N

BERRY ROAD

HOLDSWORTH AVENUE

35 SEC 2 DP 7259

34 SEC 2 DP 7259

29 SEC 2 DP 7259

15 SEC 2 P 7259

INSTALL AND MAINTAIN SANDBAG SEDIMENT FILTERS ACROSS ALL PAVEMENT INTERFACES (TYP)

INDICATIVE LOCATION OF STABILIESED SITE ACCESS (FINAL LOCATION TO BE DETERMINED ON SITE BY SUPERINTENDENT)

INSTALL AND MAINTAIN SECURITY FENCE AROUND SITE. INSTALL DUST CONTROL HESSIAN ALONG SECURITY FENCE.

LOT BOUNDARY

INDICATIVE LOCATION OF SITE STOCKPILE (FINAL LOCATION TO BE DETERMINED ON SITE BY SUPERINTENDENT). INSTALL SEDIMENT FENCE TO DOWNSTREAM SIDE OF STOCKPILE. COVER STOCKPILE WHEN NOT IN USE.

BASEMENT EXTENT

INSTALL AND MAINTAIN SEDIMENT FENCE ALONG DOWNSTREAM SIDE IF SITE (TYP).

INSTALL AND MAINTAIN WIRE MESH AND GRAVEL SEDIMENT FILTERS TO ALL KERB INLET PITS (TYP).

PLAN
SCALE 1:200

## LEGEND

- SITE BOUNDARY
- LOT BOUNDARY
- PROPOSED GRATED INLET PIT
- GEOTEXTILE INLET FILTER
- STABILISED SITE ACCESS
- SEDIMENT FENCE
- SECURITY FENCE
- SUGGESTED TEMPORARY STOCKPILE LOCATION
- MESH & GRAVEL INLET FILTER

## EXISTING SERVICES

- E — EXISTING ELECTRICITY
- OH — EXISTING ELECTRICITY OVERHEAD
- UG — EXISTING ELECTRICITY UNDERGROUND
- S — EXISTING SEWER
- COMM — EXISTING COMMS
- W — EXISTING WATER
- G — EXISTING GAS
- SW — EXISTING STORMWATER
- X — EXISTING SERVICE TO BE REMOVED

## NOTES

1. REFER DRAWING CI-0710 FOR EROSION AND SEDIMENT CONTROL DETAILS.
2. CONTRACTOR TO ENSURE SITE DRAINAGE IS NOT ADVERSELY IMPACTED DURING CONSTRUCTION.
3. CONTRACTOR TO PROVIDE 'SANDBAG SEDIMENT TRAP' TO ALL PAVED / ROAD AREAS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
4. CONTRACTOR TO PROVIDE 'GEOTEXTILE INLET FILTER TRAPS' TO ALL STORMWATER DRAINAGE INLETS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
5. INSTALL AND MAINTAIN SANDBAG FILTERS ACROSS ALL PAVEMENT INTERFACES.

0 2 4 6 8 10 12m
SCALE 1:200 AT A1 SIZE

| REV | DATE | DESCRIPTION | RVD |
|---|---|---|---|
| B | 14.06.22 | ISSUED FOR DEVELOPMENT APPROVAL | SH |
| A | 09.06.22 | ISSUED FOR DEVELOPMENT APPROVAL | SH |

REVISIONS

CLIENT: AQUALAND

ARCHITECT: SILVESTERFULLER

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

PROJECT: 12-20 BERRY ROAD & 11-19 HOLDWORTH AVENUE
ST LEONARDS SOUTH NEW 2065
AUSTRALIA

STATUS: ISSUED FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

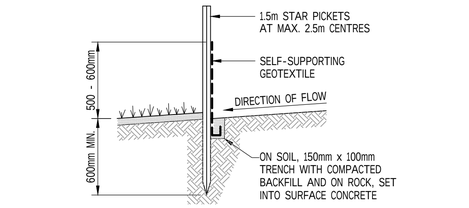
| DRAWN | DESIGNED | CHECKED | APPROVED |
|---|---|---|---|
| FM | AM | SH | |

| DATUM | GRID | SCALE | |
|---|---|---|---|
| AHD | GDA2020 MGA-56 | 1:200 | AT A1 SIZE |

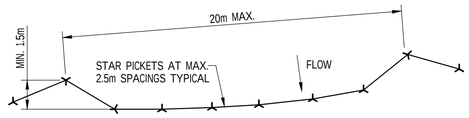
TITLE: EROSION AND SEDIMENT CONTROL PLAN

| PROJECT No. | DRAWING No. | REV. |
|---|---|---|
| S21268 | CI-0700 | B |

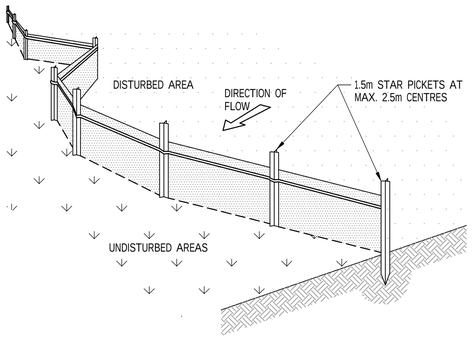
P:\BGE\SYD\S21268\100 DRAW\100.2 CIVIL\AUTOCAD\S21268-DRG-CI-0700.DWG
14/06/2022 11:40:03 AM




SECTION DETAIL




PLAN

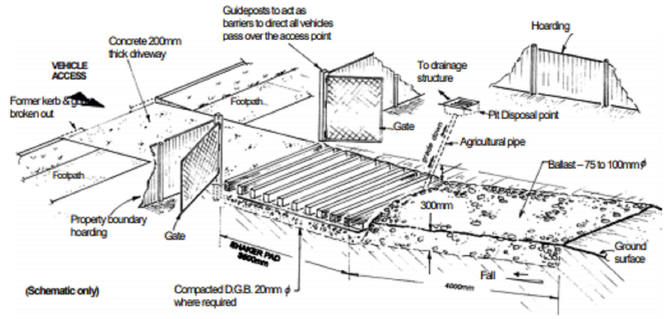


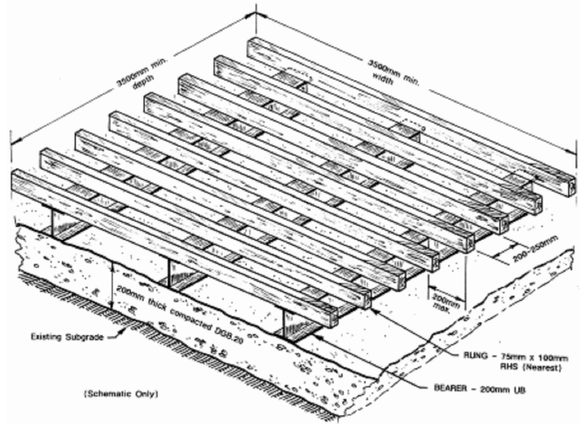

## SEDIMENT FENCE CONSTRUCTION NOTES:

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

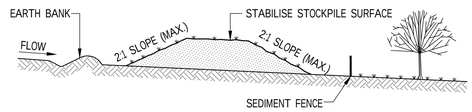
SCALE N.T.S




# STABILISED SITE ACCESS - SHAKER GRID

SCALE N.T.S.

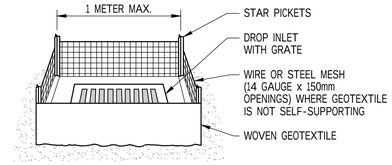


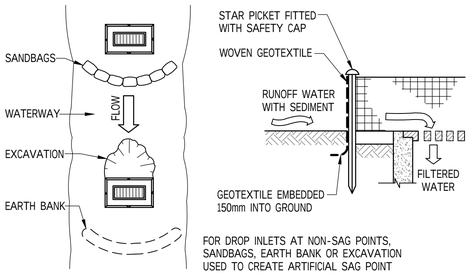

## STOCKPILE CONSTRUCTION NOTES:

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



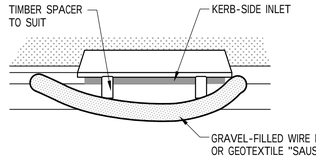

FOR DROP INLETS AT NON-SAG POINTS, SANDBAGS, EARTH BANK OR EXCAVATION USED TO CREATE ARTIFICIAL SAG POINT

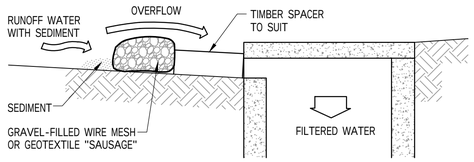
## GEOTEXTILE INLET FILTER CONSTRUCTION NOTES:

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

| REV | DATE | DESCRIPTION | RVD |
|---|---|---|---|
| A | 05.04.22 | ISSUED FOR COORDINATION | SH |

REVISIONS

| REV | DATE | DESCRIPTION | RVD |
|---|---|---|---|

REVISIONS

CLIENT

ARCHITECT

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

PROJECT

BERRY RD
ST LEONARDS, NSW 2075

STATUS: 90% TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

| DRAWN | DESIGNED | CHECKED | APPROVED |
|---|---|---|---|
| HA | AM | SH | |

| DATUM | GRID | SCALE | |
|---|---|---|---|
| AHD | GDA2020 MGA-56 | NOT TO SCALE | AT A1 SIZE |

TITLE: EROSION AND SEDIMENT CONTROL DETAILS

| PROJECT No. | DRAWING No. | REV. |
|---|---|---|
| S21268 | CI-0710 | A |

P:\BGE\S\YD\S21268\L00 DRAWI\00.2 CIVIL\AUTOCAD\S21268-DRG-CI-0710.DWG
5/04/2022 2:39:02 PM