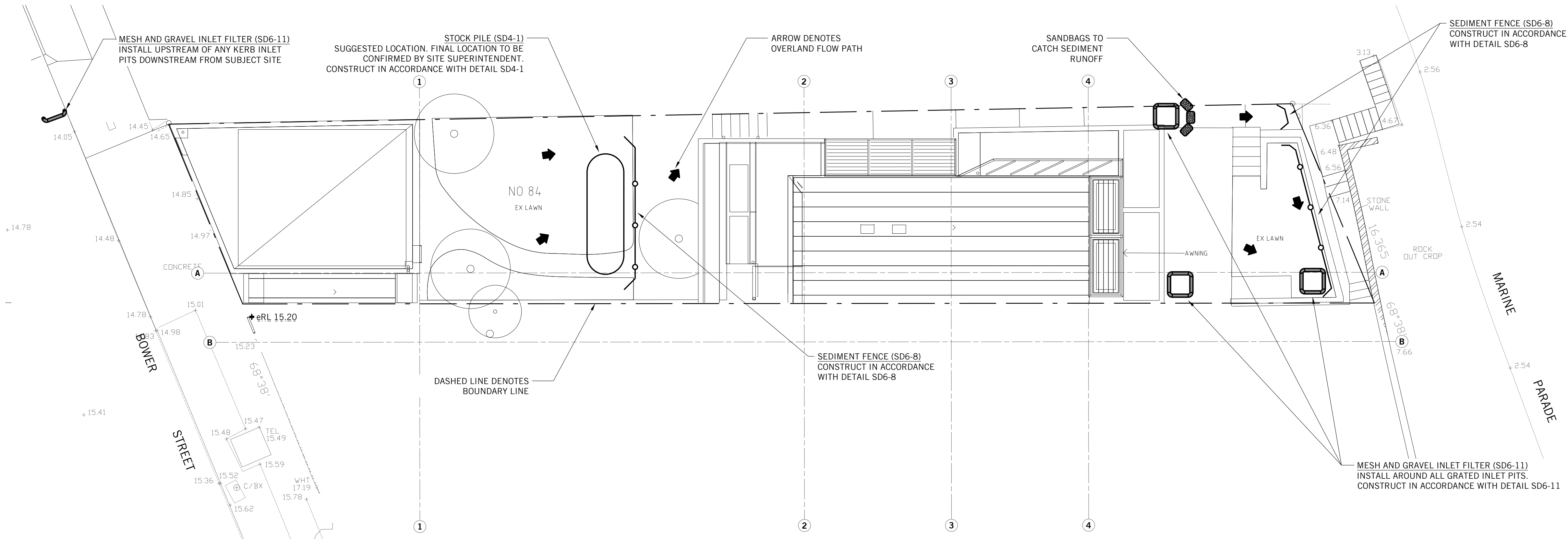




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REFER TO DRAWING NO. SWCC 1.1 FOR CONSTRUCTION NOTES

SERVICES ON THIS DRAWING ARE SHOWN BELOW SLAB U.N.O

2

Stabilise stockpile surface

Sediment fence

Earth bank

Flow

2:1 slope (max.)

2:1 slope (max.)

Construction Notes

- Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated water flow, roads and hazard areas.
- Construct on the contour as low, flat, elongated mounds.
- Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
- Where they are to be in place for more than 10 days, stabilise following the approved ESCP or SWMP to reduce the C-factor to less than 0.10.
- Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

STOCKPILES **SD 4-1**

1.5m star pickets at max. 2.5m centres

Self supporting geotextile

500 mm to 600 mm

600 mm min

Direction of flow

On soil, 150 mm x 100 mm trench with compacted backfill and on rock, set into surface concrete

Disturbed area

Direction of flow

1.5 m star pickets at max. 2.5 m centres

Undisturbed area

20 m max. (unless stated otherwise on SWMP/ESCP)

Flow

Min. 1.5 m

Star pickets at maximum 2.5 m spacings

SECTION DETAIL

PLAN

Construction Notes

- 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.
- Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
- Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope edge of the trench. Ensure any star pickets are fitted with safety caps.
- 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.
- Join sections of fabric at a support post with a 150-mm overlap.
- Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

SEDIMENT FENCE **SD 6-8**

Timber spacer to suit

Kerb-side inlet

Gravel-filled wire mesh or geotextile 'sausage'

Overflow

Timber spacer to suit

Runoff water with sediment

Sediment

Gravel-filled wire mesh or geotextile 'sausage'

Filtered water

NOTE: This practice only to be used where specified in an approved SWMP/ESCP.

Construction Notes

- Install filters to kerb inlets only at sag points.
- Fabricate a sleeve made from geotextile or wire mesh longer than the length of the inlet pit and fill it with 25 mm to 50 mm gravel.
- Form an elliptical cross-section about 150 mm high x 400 mm wide.
- Place the filter at the opening leaving at least a 100-mm space between it and the kerb inlet. Maintain the opening with spacer blocks.
- Form a seal with the kerb to prevent sediment bypassing the filter.
- Sandbags filled with gravel can substitute for the mesh or geotextile providing they are placed so that they firmly abut each other and sediment-laden waters cannot pass between.

MESH AND GRAVEL INLET FILTER **SD 6-11**

EROSION AND SEDIMENT CONTROL PLAN

- MEASURES PROVIDED WILL BE TO THE SATISFACTION OF THE PRINCIPAL'S REPRESENTATIVE IN ACCORDANCE WITH THE LOCAL AND STATUTORY REQUIREMENTS UNLESS NOTED OTHERWISE. ALL WORKS SHALL BE ERECTED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE 'BLUE BOOK'- MANAGING URBAN STORMWATER (MUS); SOILS AND CONSTRUCTION, LANDCOM (VOL 1) AND DECCW (VOL 2) AND NORTHERN BEACHES COUNCIL'S DEVELOPMENT CONTROL PLAN (DCP).
- ALL EXCAVATION WORKS ARE TO BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, IF AVAILABLE, AND THE STRUCTURAL ENGINEER'S DRAWINGS.
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.
- MESH AND GRAVEL INLET FILTERS (SD 6-11) TO BE INSTALLED UPSTREAM OF PROPOSED STORMWATER PITS AS WELL AS EXISTING STORMWATER PITS DOWNSTREAM OF DISTURBED AREAS.
- TOP SOIL WILL BE STRIPPED AND STOCKPILED (SD 4-1) FOR LATER USE IN LANDSCAPING.
- ALL STOCKPILES TO BE CLEAR FROM DRAINS, GUTTERS AND FOOTPATHS.
- TOP SOIL WILL BE RE SPREAD AND ALL DISTURBED AREAS WILL BE REHABILITATED WITHIN 20 WORKING DAYS OF THE COMPLETION OF WORKS.
- ALL SEDIMENT TO BE STORED AND COLLECTED BY A LIQUID WASTE COMPANY FOR DISPOSAL AT A LICENSED TREATMENT FACILITY.
- ROADS AND FOOTWAYS TO BE SWEEPED AT THE END OF THE DAY.
- ALL EROSION AND SEDIMENT CONTROLS WILL BE CHECKED AT LEAST WEEKLY AND AFTER RAINFALL EVENTS TO MAKE SURE THEY ARE MAINTAINED TO A FULLY FUNCTIONAL CONDITION.

A	CONSTRUCTION ISSUE	JZ	GB	23.05.19
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Rev.	Issue / Amendment	By	App.	Date

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Project
**ALTERATIONS AND ADDITIONS
84 BOWER STREET
MANLY**

Title
**STORMWATER DRAINAGE SERVICES
EROSION & SEDIMENT CONTROL
PLAN AND DETAILS**

ELECTRONIC SIGNATURE: THIS DRAWING HAS BEEN ASSIGNED AN ELECTRONIC SIGNATURE CODE. THE PRESENCE OF THIS CODE CONFIRMS THAT THIS IS THE CERTIFIED DRAWING ISSUED FOR CONSTRUCTION.

DO NOT SCALE DRAWINGS USE FIGURED DIMENSIONS

Electronic Code	Signature Date	Designed
.		G.B
Scale at A1	Date	Drawn
1:100	MARCH 2019	S.D
Job No.	Drawing No.	Revision
2019H0011 SWCC 1.7		A

CONSTRUCTION CERTIFICATE