

ROOF PLAN

RAINWATER TANK DETAILS

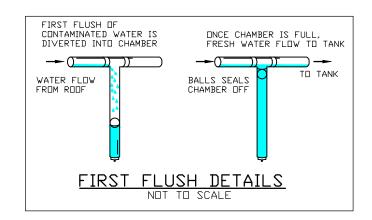
# RAIN WATER TANK NOTES:

- RWT MUST COLLECT RAINWATER RUNOFF FROM AT LEAST 87.6 SQ MTS OF ROOF • MINIMUM OF 450 MM CLEARANCE AREA AS PER BASIX REPORT
- RWT MUST CONNECT TO TAP LOCATED WITHIN 10 METRES OF THE EDGE OF THE • RWT TO BE INSTALLED AND
- A FIRST FLUSH DIVERSION TO BE PROVIDED TO REMOVE ROOF
- ADEQUATE SCREENING TO BE PROVIDED TO PREVENT MOSQUITO BREEDING AND ENTRY OF ANIMALS OR FOREIGN MATTER
- TANKS TO BE PUMPED TO TOP-UP FROM THE POTABLE WATER SUPPLY DURING DRY PERIODS WHEN THE TANKS ARE 80% EMPTY
- NO DIRECT CROSS CONNECTION WITH THE SYDNEY WATER POTABLE WATER SUPPLY AND\_AN AIR GAP MAINTAINED ABOVE THE OVERFLOW IN THE TANK.
- A SIGN TO BE INSTALLED STATING "NOT FOR HUMAN CONSUMPTION"
- OVERFLOW FROM THE TANK SHALL BE

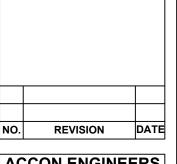
CONNECTED TO THE STORMWATER PIPF

FROM SIDE BOUNDARY MUST BE MAINTAINED.

MAINTAINED TO MANUFACTURERS SPECIFICATION AND TO COMPLY WITH ALL AS 3500, SYDNEY WATER GUIDELINES, BASIX REPORT AND LOCAL COUNCIL GUIDELINES







# **ACCON ENGINEERS**

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### PROJECT

Proposed Extensions & Alterations at 173 Seaforth Avenue, Seaforth

# CLIENT

Mr Titus Theseira

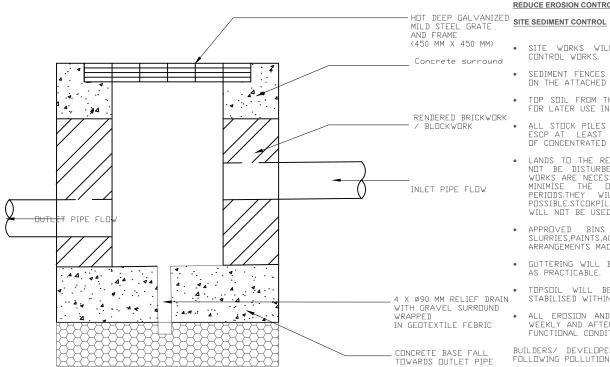
Rainwater Tank Details/Roof Plan

**DESIGNED BY** 

APPROVED BY

DAT	TE 14/02/2019	SWD886
SCALE		SHEET
NTS		2 of 3

### REDUCE EROSION CONTROL SEDIMENT ON A BUILDING OR CONSTRUCTION SITE



-HDT DEEP GALVANIZED MILD STEEL GRATE AND FRAME

-7///---

4×100mm DIA. -SEEPAGE HOLES FILLED WITH AGGREGATES

- CONCRETE SURROUND

100 MM DIA INLETS PIPE FLOW IL 24.97

TYPICAL PIT 1 & 2 DETAIL NUL TU SCALE

REPLACEABLE — GEOTEXTILE FILTER FABRIC

GEDTEXTILE FILTER FABRIC SURROUNDING

14mm AGGREGATES

STANDARD SILT ARRESTOR PIT 4 DETAIL

NOT TO SCALE

SILT TRAP (MAXI-MESH)

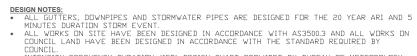
# SITE WORKS WILL NOT START UNTIL THE EROSION AND SEDIMENT

- CONTROL WORKS. • SEDIMENT FENCES AND BARRIER FENCES WILL BE INSTALLED AS SHOWN ON THE ATTACHED DRAWING.
- TOP SOIL FROM THE WORK'S AREA WILL BE STRIPPED AND STOCKPILED FOR LATER USE IN LANDSCAPING THE SITE.
- ALL STOCK PILES WILL BE REPLACED IN THE LOCATION SHOWN ON THE ESCP AT LEAST 2 METRES CLEAR OF ALL AREAS OF POSSIBLE AREAS OF CONCENTRATED WATER FLOW, INCLUDING DRIVEWAYS.
- LANDS TO THE REAR OF THE ALLOTMENT AND ON THE FOOTPATH WILL NOT BE DISTURBED DURING WORKS EXCEPT WHERE ESSENTIAL.WHERE WORKS ARE NECESSARY, THEY WILL BE UNDERTAKEN IN SUCH A WAY TO MINIMISE THE OCCURRENCE OF SOIL EROSION, EVEN FOR SHORT PERIODS.THEY WILL BE REHABILITATED (GRASSED) AS SOIN AS POSSIBLE.STCOKPILES WILL NOT BE PLACED ON THESE LANDS AND THEY WILL NOT BE USED AS VEHICLE PARKING AREAS.
- APPROVED BINS FOR BUILDING WASTE,CONCRETE AND MORTAR SLURRIES,PAINTS,ACID WASHING AND LITTER WILL BE PROVIDED AND ARRANGEMENTS MADE FOR REGULAR COLLECTION AND DISPOSAL.
- GUTTERING WILL BE CONNECTED TO THE STORMWATER SYSTEM AS SOON AS PRACTICABLE.
- TOPSDIL WILL BE RESPREAD AND ALL DISTURBED AREAS WILL BE 4 X 090 MM RELIEF DRAIN STABILISED WITHIN 20 WORKING DAYS OF THE COMPLETION OF WORKS.
  - ALL EROSION AND SEDIMENT CONTROLS WILL BE CHECKED AT LEAST WEEKLY AND AFTER RAIN TO ENSURE THEY ARE MAINTAINED IN A FULLY FUNCTIONAL CONDITION.

BUILDERS/ DEVELOPERS HAVE THE RESPONSIBILITY TO MANAGE THE FOLLOWING POLLUTION SOURCES:

- AIR POLLUTION, INCLUDING DUST
  NOISE THAT MIGHT INTERFERE WITH NEIGHBOURING PROPERTIES
  WASTE DISCHARGES INCLUDING EROSION LEAKAGE OR SPILLS OF
  CONSTRUCTION MATERIALS, SOIL, SAND,GRAVEL SLURRIES AND CONCRETE
  TRADE AND DOMESTIC RUBBISH, INCLUDING LITTER PACKAGING OFF-CUTS
  AND SPOILED MATERIALS
  - FUELS.

TOXIC CHEMICLAS, INCLUDING PAINTS, SDLVENTS, SEALANTS, ADHESIVES' LUBRICANTS AND ADHESIVES.



COUNCIL.
INTENSITY FREQUENCY DURATION (IFD) DESIGN CHART PROVIDED BY BUREAU OF METEOROLOGY
HAS BEEN USED TO DESIGN DOWNPIPES AND STORMWATER PIPES

- DRAINAGE NOTES:

  STORMWATER PIPES ARE TO BE U.P.V.C. SEWER GRADE AND SHALL BE INSTALLED IN ACCORDANCE WITH AS 3500.3

  ALL DOWNFIPES ARE TO BE SEALED AND GLUED JOINTS

  STORMWATER PIPES TO BE LAID AT A MINIMUM GRADE OF 1% UNLESS NOTED OTHERWISE

  GENERAL LAYOUT ONLY, BUILDER TO CONFIRM LAYOUT AND LEVELS BEFORE CONSTRUCTION

  BUILDER TO CONFIRM EXISTING STORMWATER PIPE SIZE AND SERVICEABILITY, IF FOUND INSUFFICIENT CAPACITY REPLACE WITH NEW PIPE

  LOCATION OF DOWNPIPES AND STORMWATER PIPES ARE INDICATIVE ONLY, BUILDER TO CONFIRM AT SITE DURING CONSTRUCTION

  HYDRAULIC ENGINEER IS TO BE CONTACTED TO UNDERTAKE AN INSPECTION OF THE INTERNAL DRAINAGE LINES PRIOR TO BACKFILLING AND AT COMPLETION OF WORKS IN ORDER TO PROVIDE CERTIFICATION

  ALL LEVELS ARE IN M AHD

  CONNECTION AT EXISTING EASEMENT PIPE SHOULD BE DONE AS PER COUNCIL STANDARD

  PROVIDE SUBSURFACE DRAINAGE AS NECESSARY TO COLLECT SEEPAGE WATER

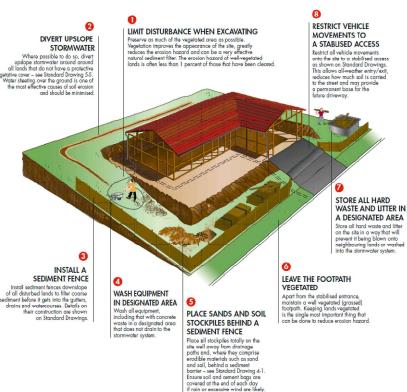
  DIAL BEFORE YOU DIG SHALL BE CONTACTED

- CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20 MPA AT 28 DAYS.
- ALL PITS GREATER THAN 1200 MM DEPTH (FROM GREAT TO INVERT) ARE TO PROVIDE STEP IRONS STRUCTURAL ENGINEERS DESIGN CERTIFICATE IS REQUIRED FOR PITS WHERE DEPTHS ARE GREATER THAN 900 MM. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN
- ALL PITS SHALL BE MAINTAINED REGULARLY

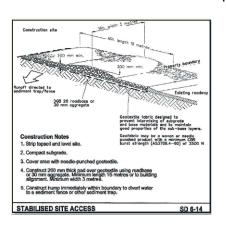


SEDIMENT BARRIER ARDUND PIT NOT TO SCALE

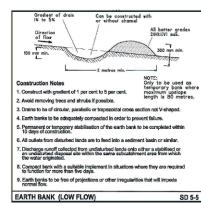
## **EARTH BANK (LOW FLOW)** NOT TO SCALE



# SITE SEDIMENT CONTROL



### **STABILISED SITE ACCESS** NOT TO SCALE



## SEDIMENT FENCE **NOT TO SCALE**

SEDIMENT FENCE

. Construct sediment fence as close as possible to parallel to the contours of the site.

. Drive 1.5 metre long star pickets into ground, 2.5 metres apart (max.) Dig a 150 mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.

Fix self-supporting geotextile to upslope side of posts with wire ties or as recommended by geotextile manufacturer.

i. Join sections of fabric at a support post with a 150 mm overlap

Backfill the tranchover the base of the fabric and compact it thoroughly over the geotextile

2. Construct on the contour as a low, flat, elongated mound. Where there is sufficient area topsoil stockpiles shall be less than 2 metro in height.

Direction of

Construct earth bank (Standard Drawing 5-5) on the upslope side to diver run off around the stockpile and a sediment fence (Standard Drawing 6-8) 1 to 2 metres downslope of stockpile.

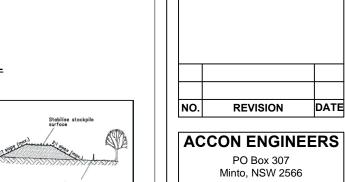
TOPSOIL STOCKPILE

NOT TO SCALE

1.5 m stor plokets

Rehabilitate in accordance with the SWMP/ESCP.

TOPSOIL STOCKPILE



PROJECT

Proposed Extensions & Alterations at 173 Seaforth Avenue, Seaforth

Ph. 02 8712 1487

Email: info@acconengineers.com.au

ENGINEERS

## CLIENT

SD 4-1

— 1.5 m star pickets

SD 6-8

Self-supporting geotextile

On soft, 150 mm x 100 s trench with compacted backfill and on rock, sel

Mr Titus Theseira

**Sediment Control Plan** 

**DESIGNED BY** 

APPROVED BY

DATE 14/02/2019 **SWD886** SCALE SHEET NTS 3 of 3