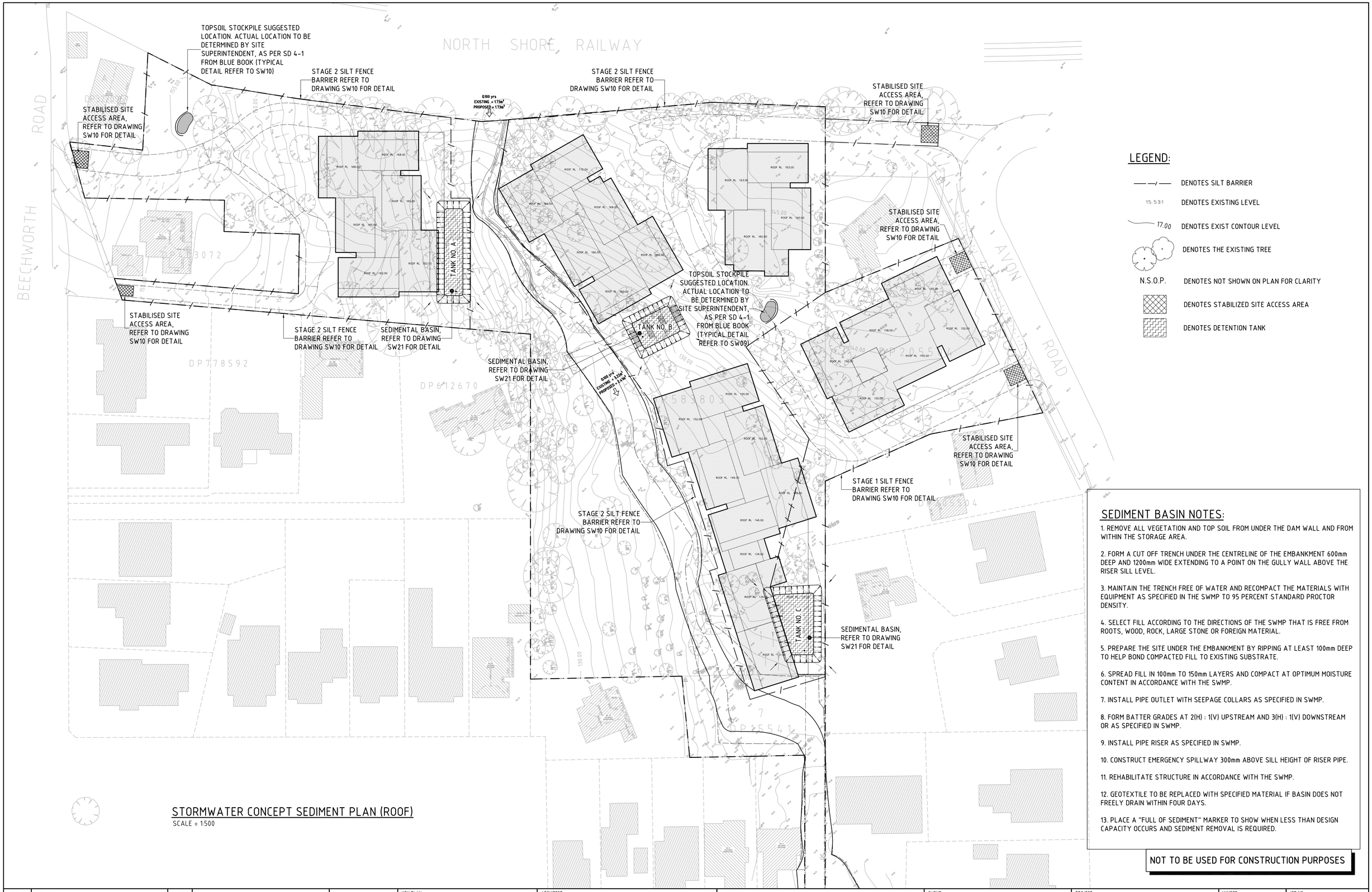

LEGEND:

- DENOTES SILT BARRIER
- 15.531 DENOTES EXISTING LEVEL
- 17.00 DENOTES EXIST CONTOUR LEVEL
- DENOTES THE EXISTING TREE
- N.S.O.P. DENOTES NOT SHOWN ON PLAN FOR CLARITY
- DENOTES STABILIZED SITE ACCESS AREA
- DENOTES DETENTION TANK

SEDIMENT BASIN NOTES:

1. REMOVE ALL VEGETATION AND TOP SOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.

2. FORM A CUT OFF TRENCH UNDER THE CENTRELINE OF THE EMBANKMENT 600mm DEEP AND 1200mm WIDE EXTENDING TO A POINT ON THE GULLY WALL ABOVE THE RISER SILL LEVEL.

3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95 PERCENT STANDARD PROCTOR DENSITY.

4. SELECT FILL ACCORDING TO THE DIRECTIONS OF THE SWMP THAT IS FREE FROM ROOTS, WOOD, ROCK, LARGE STONE OR FOREIGN MATERIAL.

5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING AT LEAST 100mm DEEP TO HELP BOND COMPACTED FILL TO EXISTING SUBSTRATE.

6. SPREAD FILL IN 100mm TO 150mm LAYERS AND COMPACT AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH THE SWMP.

7. INSTALL PIPE OUTLET WITH SEEPAGE COLLARS AS SPECIFIED IN SWMP.

8. FORM BATTER GRADES AT 2(H) : 1(V) UPSTREAM AND 3(H) : 1(V) DOWNSTREAM OR AS SPECIFIED IN SWMP.

9. INSTALL PIPE RISER AS SPECIFIED IN SWMP.

10. CONSTRUCT EMERGENCY SPILLWAY 300mm ABOVE SILL HEIGHT OF RISER PIPE.

11. REHABILITATE STRUCTURE IN ACCORDANCE WITH THE SWMP.

12. GEOTEXTILE TO BE REPLACED WITH SPECIFIED MATERIAL IF BASIN DOES NOT FREELY DRAIN WITHIN FOUR DAYS.

13. PLACE A "FULL OF SEDIMENT" MARKER TO SHOW WHEN LESS THAN DESIGN CAPACITY OCCURS AND SEDIMENT REMOVAL IS REQUIRED.

NOT TO BE USED FOR CONSTRUCTION PURPOSES

STORMWATER CONCEPT SEDIMENT PLAN (ROOF)

SCALE = 1:500

ISSUE	NOTES	DATE
01	PRELIMINARY ISSUE.	11/11/09
02	ENVIRONMENTAL ASSESSMENT.	16/12/09

SCALES 1:1

10 20 30 40 50 60 70 80 1:2

20 40 60 80 100 120 140 160 1:5

100 200 300 400

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PROJECT

RESIDENCE DEVELOPMENT AVON ROAD

PYMBLE

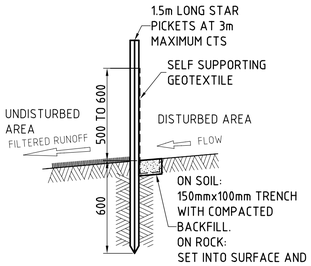
DRAWING TITLE

STORMWATER CONCEPT SEDIMENT PLAN (ROOF)

NUMBER IN SET	JOB NO P1544
SCALE AS NOTED	SHEET NUMBER SW-09
DESIGN L.M.	CHECK: D.D. REV.: 02
DRAWN V.C.	DATE 16/12/09

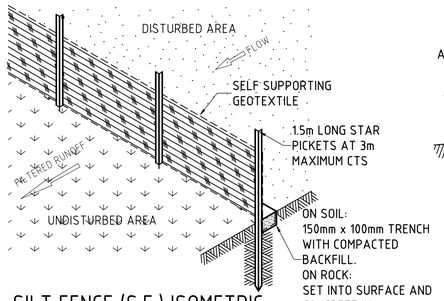
DUE TO LIMITS OF PRINTING EQUIPMENT
DO NOT SCALE OFF DRAWINGS
FIGURED DIMENSIONS TO BE USED, ALL DIMENSIONS TO BE CHECKED ON SITE

A1 DWG SHEET



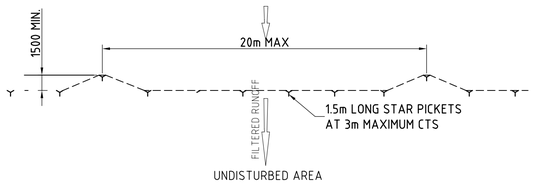
SILT FENCE (S.F.) SECTION

NOT TO SCALE



SILT FENCE (S.F.) ISOMETRIC

NOT TO SCALE



SILT FENCE (S.F.) PLAN

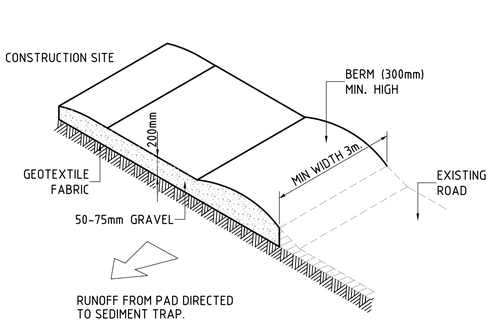
NOT TO SCALE

SILT FENCE CONSTRUCTION NOTES

1. CONSTRUCT SILT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE
2. DRIVE 1.5m LONG STAR PICKETS INTO THE GROUND AT 3m MAX CTS
3. DIG A 150mm x 100mm TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED
4. BACKFILL TRENCH OVER THE BASE OF THE FABRIC
5. FIX SELF SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POST WITH WIRE TIES OR AS RECOMMENDED BY THE GEOTEXTILE MANUFACTURER
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP

CONSTRUCTION SEQUENCE

1. WHERE POSSIBLE ALL SILT FENCES, PERIMETER BANKS, SEDIMENT BASINS AND OTHER SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE INSTALLED AS A FIRST STEP IN THE CONSTRUCTION SEQUENCE
2. CARRY OUT CLEARING WITHIN SCOPE OF WORKS AND BULK EARTHWORKS TAKING CARE TO MINIMIZE THE EXTENT OF DISTURBANCE DURING CONSTRUCTION
3. CARRY OUT BULK EARTHWORKS IN ACCORDANCE WITH THE ENVIRONMENTAL MANAGEMENT PLAN AND TAKING CARE TO MINIMIZE THE EXTENT OF DISTURBANCE
4. ALL DISTURBED AREAS ARE TO BE HYDROSEEDED AND STRAW MULCHED UPON COMPLETION OF THE BULK EARTHWORKS. SEEDED AREAS SHALL BE WATERED DURING AND AFTER CONSTRUCTION UNTIL A UNIFORMLY DISTRIBUTED DENSE VEGETATION COVERAGE IS ESTABLISHED
5. WHILE ANY AREAS REMAIN DISTURBED (ie BEFORE AND DURING RE-VEGETATION) ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE RETAINED
6. AREAS WHERE DEVICES ARE REMOVED ON COMPLETION OF WORKS SHALL BE RE-INSTATED TO PRE-CONSTRUCTION CONDITIONS

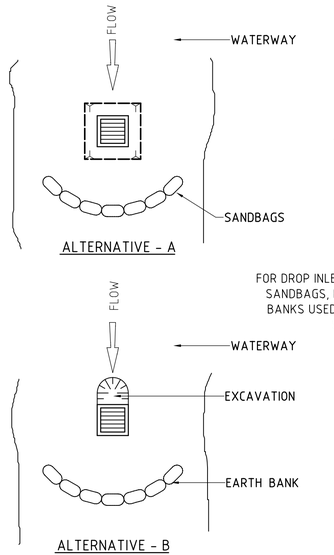


STABILIZED SITE ACCESS

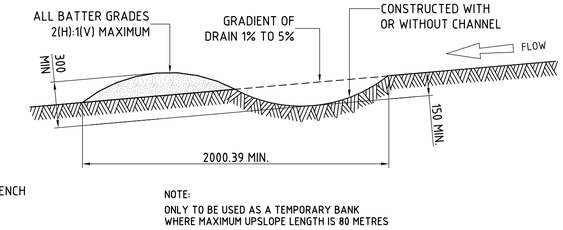
NOT TO SCALE

STABILIZED SITE ACCESS CONSTRUCTION NOTES

1. STRIP TOP-SOIL AND LEVEL SITE
2. COMPACT SUB-GRADE
3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE
4. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING ROADBASE OR 30mm AGGREGATE. MINIMUM LENGTH SHALL BE 15 METRES OR TO THE BUILDING ALIGNMENT. MINIMUM WIDTH SHALL BE 3 METRES
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR SEDIMENT TRAP



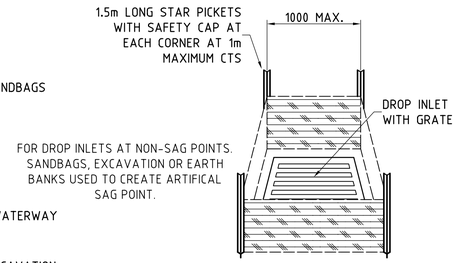
DROP INLET PLAN



NOTE:
ONLY TO BE USED AS A TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES

EARTH BANK (LOW FLOW) SECTION

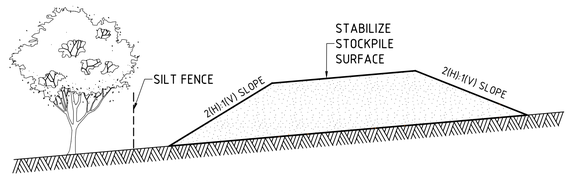
SCALE = 1:20



DROP INLET ISOMETRIC

DROP INLET GEOTEXTILE FILTER

N.T.S

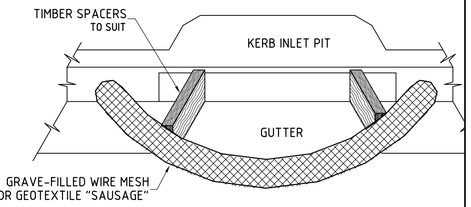


STOCKPILE

SCALE = 1:20

STOCKPILE CONSTRUCTION NOTES

1. LOCATE STOCKPILE AT LEAST 5 METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS
2. CONSTRUCT ON THE CONTOUR AS A LOW, FAT, ELONGATED MOUND
3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP
4. CONSTRUCT EARTH BANK ON THE UPSLOPE SIDE TO DIVERT RUNOFF AROUND THE STOCKPILE
5. AND A SILT FENCE 1 TO 2 METRES DOWNSLOPE OF THE STOCKPILE
6. COVER STOCKPILE WITH IMPERVIOUS MEMBRANE TO REDUCE WATER + WIND EROSION

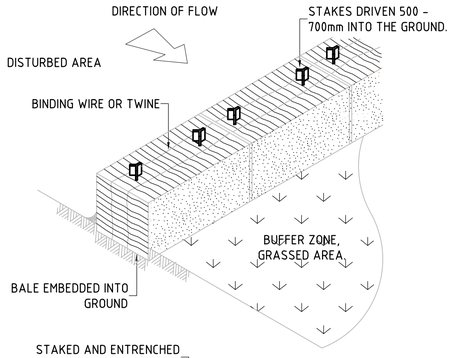


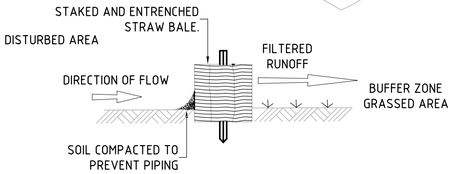
MESH AND GRAVEL INLET FILTER

N.T.S

MESH AND GRAVEL INLET FILTER CONSTRUCTION NOTES

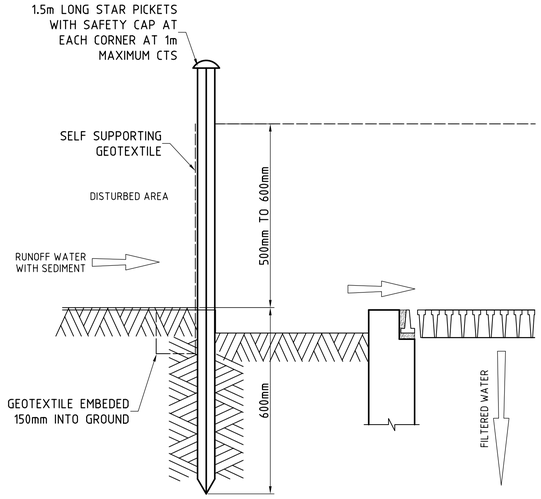
1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT
2. FILL THE SLEEVE WITH 25mm TO 50mm GRAVEL
3. FORM AN ELIPTICAL CROSS SECTION ABOUT 150mm HIGH x 400mm WIDE
4. PLACE THE FILTER AT THE OPENING OF THE INLET PIT LEAVING A 150mm GAP AT THE TOP TO ACT AS AN EMERGENCY SPILLWAY
5. MAINTAIN THE OPENING WITH TIMBER SPACER BLOCKS
6. FORM A SEAL WITH THE KERBING AND PREVENT SEDIMENT BYPASSING THE FILTER
7. FIT TO ALL KERB INLETS AT SAG POINTS





HAY BALE EROSION CONTROL BARRIER DETAIL

NOT TO SCALE



DROP INLET SECTION

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CLIENT
JIM NEALE

PROJECT
RESIDENCE DEVELOPMENT AVON ROAD
PYMBLE

DRAWING TITLE
STORMWATER DETAILS

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