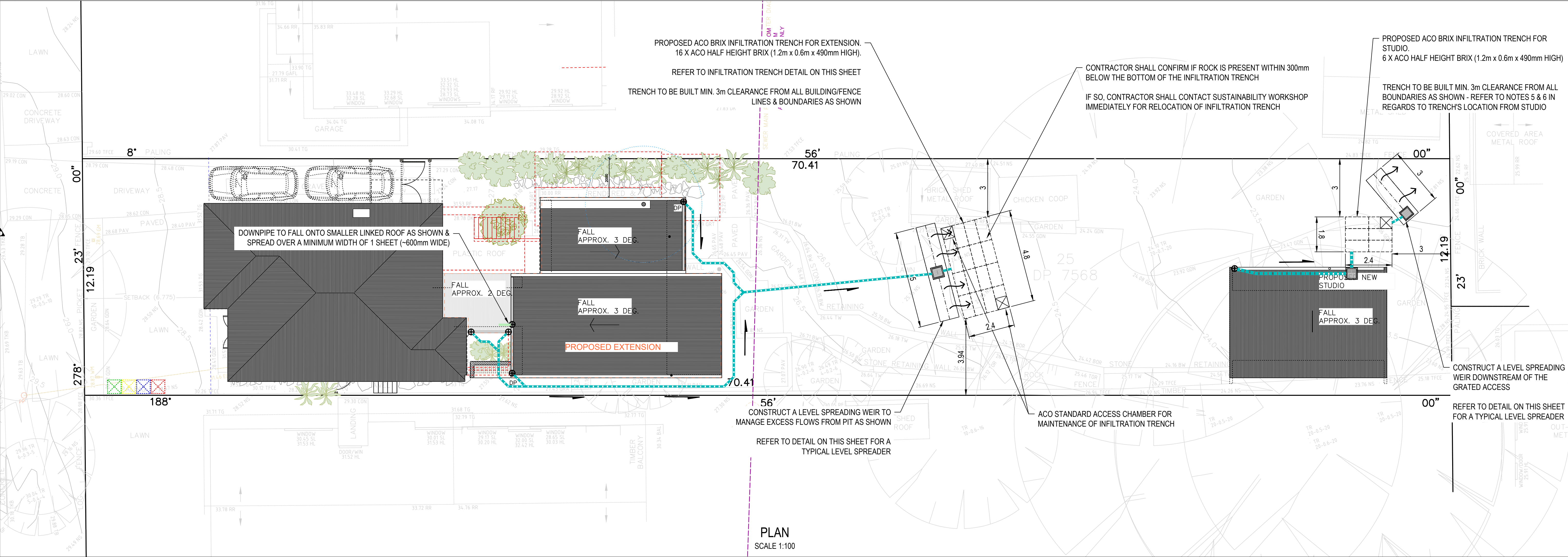


# 38 KING STREET, MANLY VALE

## PROPOSED STORMWATER MANAGEMENT PLAN

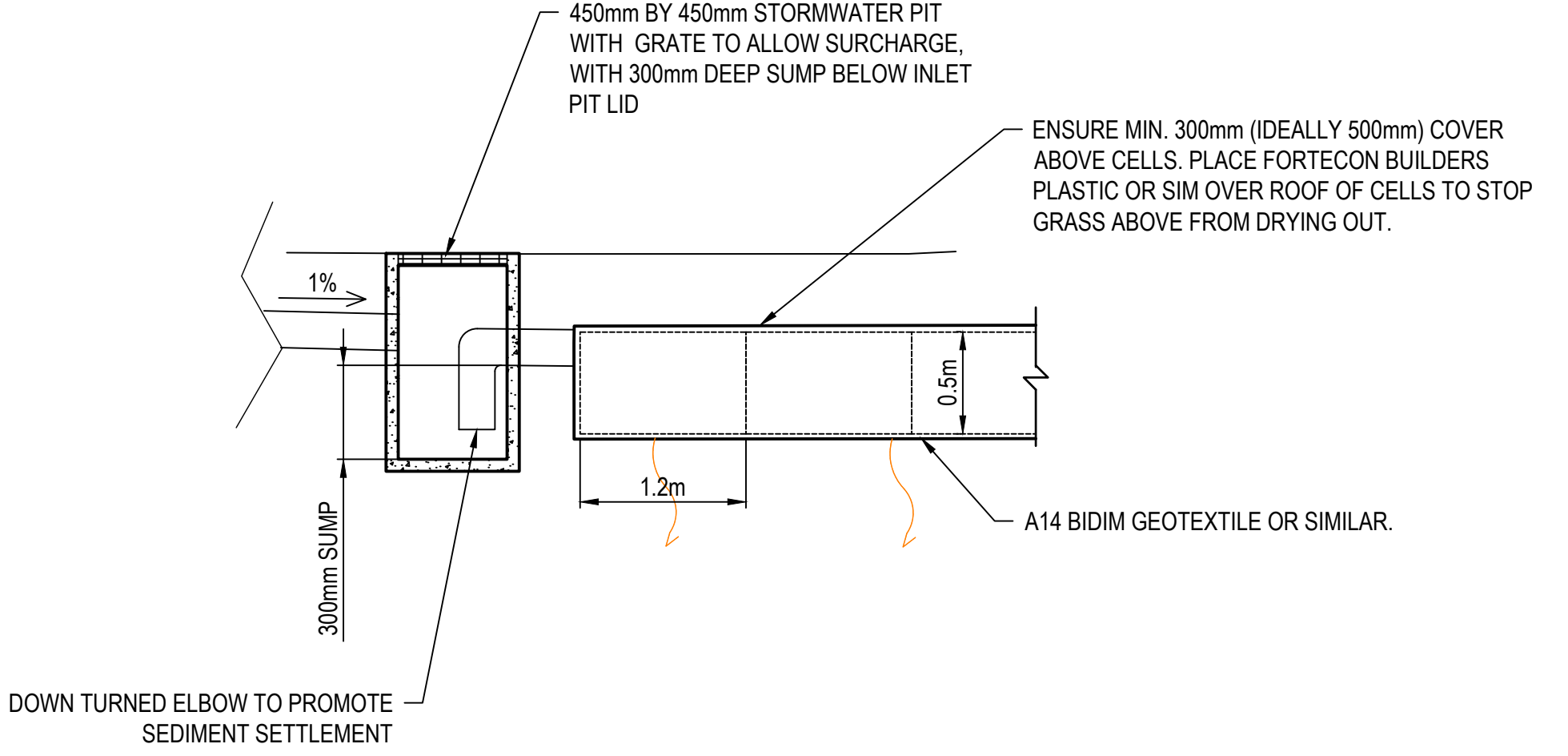
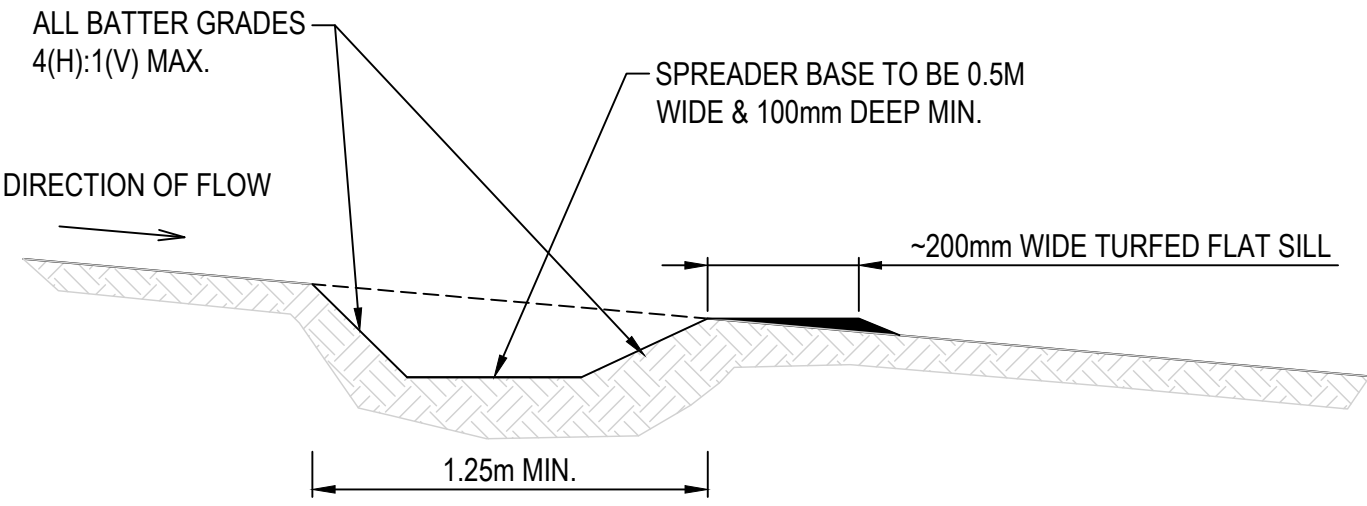


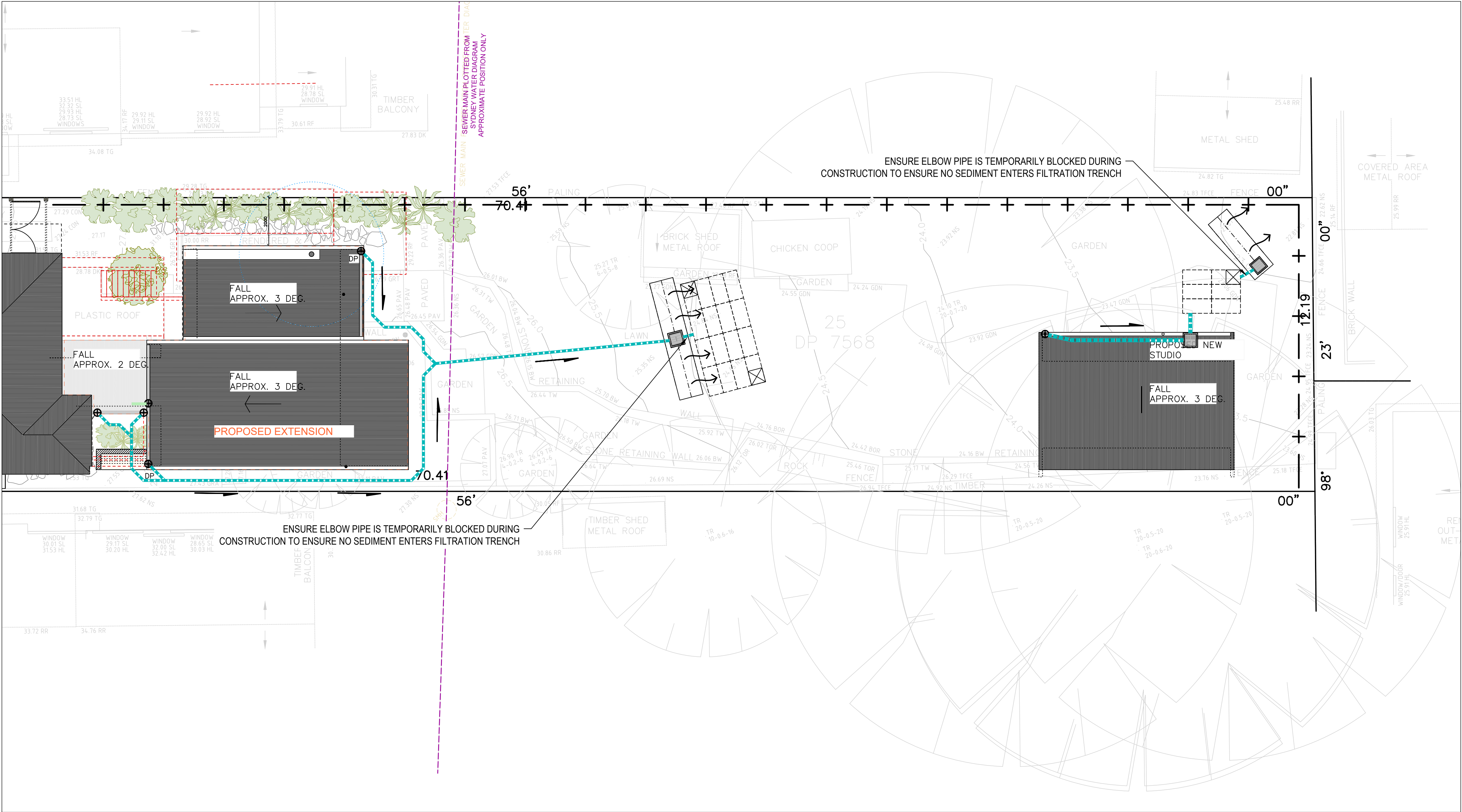
### LEGEND

- PROPOSED Ø100mm DWV (MIN. SN8) STORMWATER PIPE (EXTENSION)
- PROPOSED Ø150mm DWV (MIN. SN8) STORMWATER PIPE (STUDIO)
- 450mm X 450mm INLET GRATE
- PIPE FLOW DIRECTION (ALL GRAVITY PIPES ARE TO BE GRADED AT MIN. 1% WITH MIN. 300mm COVER)
- PROPOSED DOWNPIPE

### NOTES:

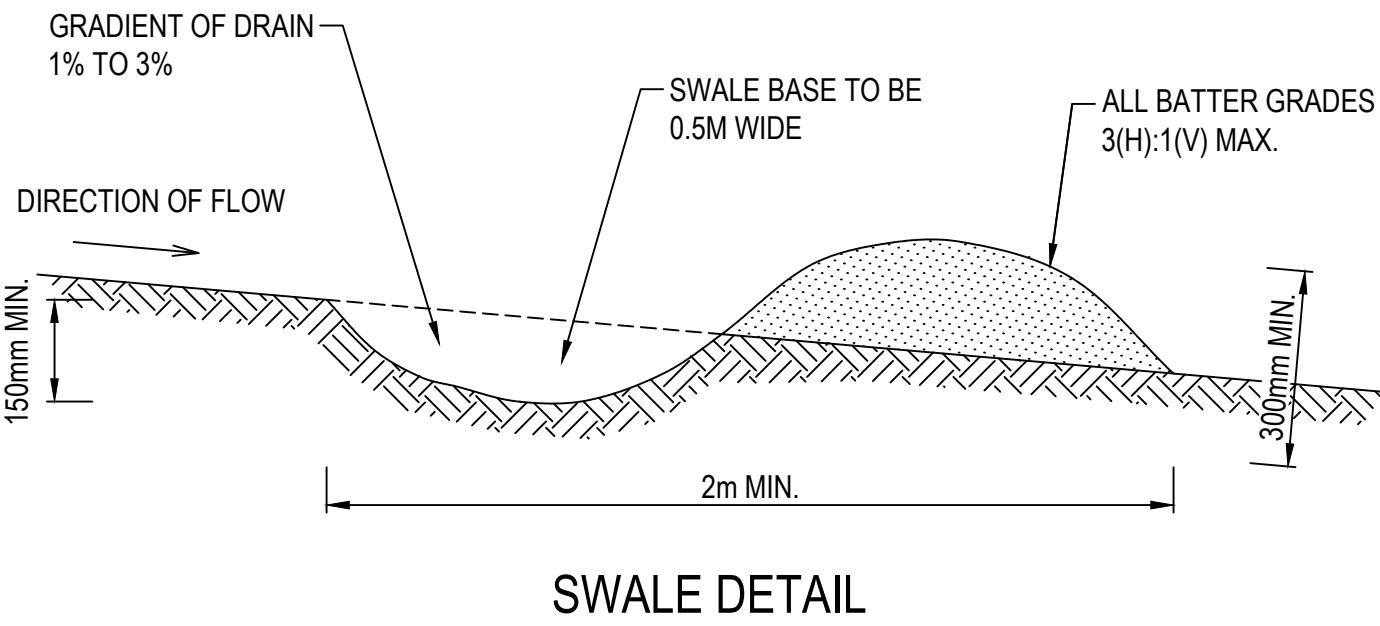
- ALL STORMWATER DRAINAGE SHALL BE UNDERTAKEN IN ACCORDANCE WITH AS3500 & MANUFACTURERS RECOMMENDATIONS
- IN THE ABSENCE OF SPECIFIC PIPE INVERT LEVELS & GRADES ALL PIPES SHALL BE LAID AT MIN. 1% & 300mm COVER
- EXISTING ROOF DRAINAGE SYSTEM TO BE INVESTIGATED DURING CONSTRUCTION. CONTRACTOR TO REPLACE ANY EXISTING ABSORPTION SYSTEM LIKE FOR LIKE.
- CONTRACTOR TO ENSURE THAT ACO STORMBRIX ARE PROTECTED FROM SEDIMENT DEPOSITS DURING CONSTRUCTION. CONNECT STORMBRIX ONLY FOLLOWING PRACTICAL COMPLETION AND SEALING OF THE SITE. DURING CONSTRUCTION RELY ON BUBBLER PIT AND SPREADER TO MANAGE STORM FLOWS.
- STRUCTURAL ENGINEER TO DESIGN STUDIO TO ENSURE THAT INFILTRATION ADJACENT TO THE STRUCTURE WILL NOT RESULT IN CRACKING OR DAMAGE TO THE STUDIO.
- THE FLOOR LEVEL OF THE STUDIO SHALL BE RAISED OFF THE GROUND BY 300mm MIN. TO ALLOW FOR THE FREE PASSAGE OF FLOW UNDER THE STUDIO.





LEGEND

- SEDIMENT FENCE
- WIRE MESH AND GRAVEL SEDIMENT FILTER
- INTERCEPTION SWALE TO DIVERT FLOWS AWAY FROM HOUSE

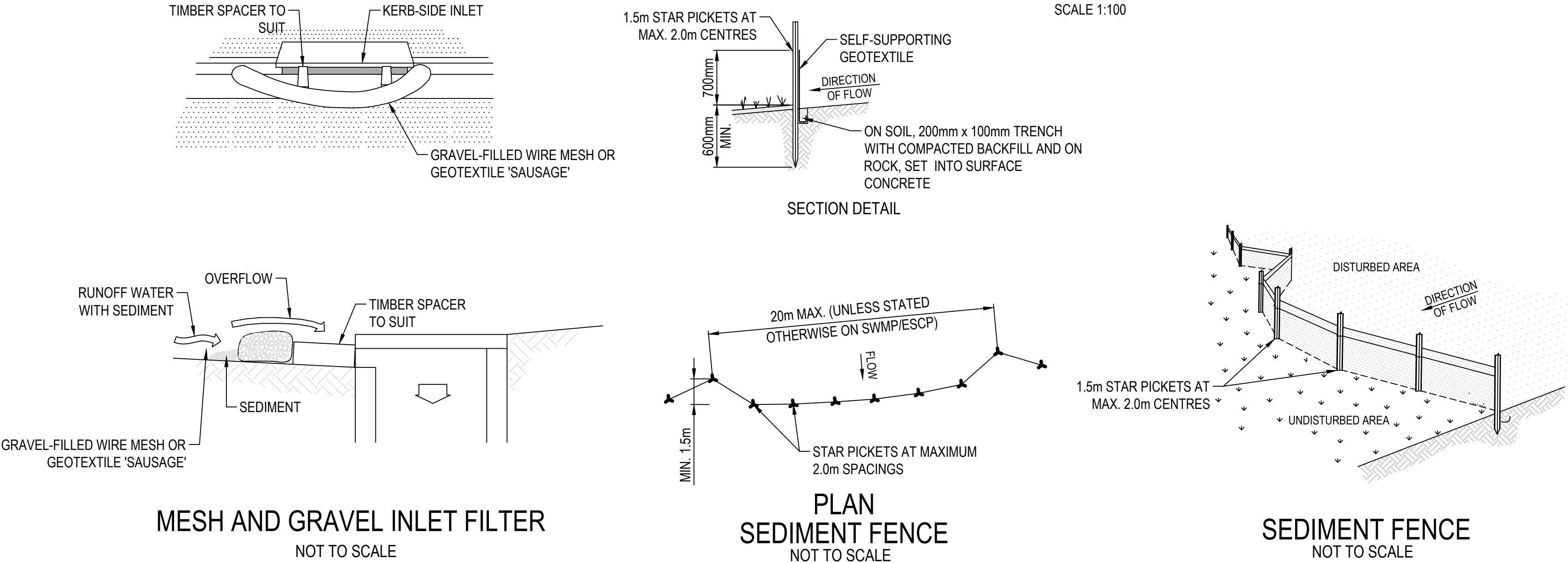


NOTES:

- BUILD WITH GRADIENTS BETWEEN 1% AND 3%.
- AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.
- ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
- BUILD THE DRAINS WITH TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.
- ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
- STABILISE WITH TURF AND TURF REINFORCING MATT WITHIN 10 DAYS OF CONSTRUCTION.

SOIL & EROSION SEDIMENT PLAN

SCALE 1:100

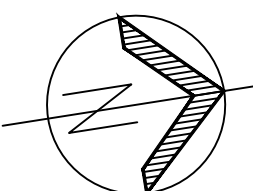
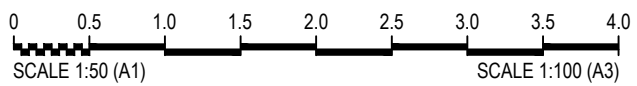


NOTES:

- 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 50L/s IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
- CUT A 200mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- DRIVE 1.5m LONG STAR PICKETS INTO GROUND AT 2.0m 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 150mm OVERLAP.
- BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

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 ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.



| REV | DATE       | DESCRIPTION | BY | CHKD |
|-----|------------|-------------|----|------|
| 1   | 22/11/2024 | DA          | GA | ML   |



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|-------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|---------------------|
| PROJECT:<br>38 KING STREET, MANLY VALE<br>PROPOSED STORMWATER MANAGEMENT PLAN | DESIGNED:<br>G. ABDELAHAD                          | CHECKED:<br>M. LIEBMAN        | DATE:<br>22/11/2024 |
| CUSTOMER:<br>TOM TARENTO AND JESS MILLEN                                      | DRAWN:<br>G. ABDELAHAD                             | SHEET No:<br>2 OF 2           | SIZE:<br>A1         |
| JOB REF No:<br>400                                                            | SHEET DESCRIPTION:<br>SOIL & EROSION SEDIMENT PLAN | COORD. ORIGIN:<br>MGA ZONE 56 | DATUM:<br>AHD       |