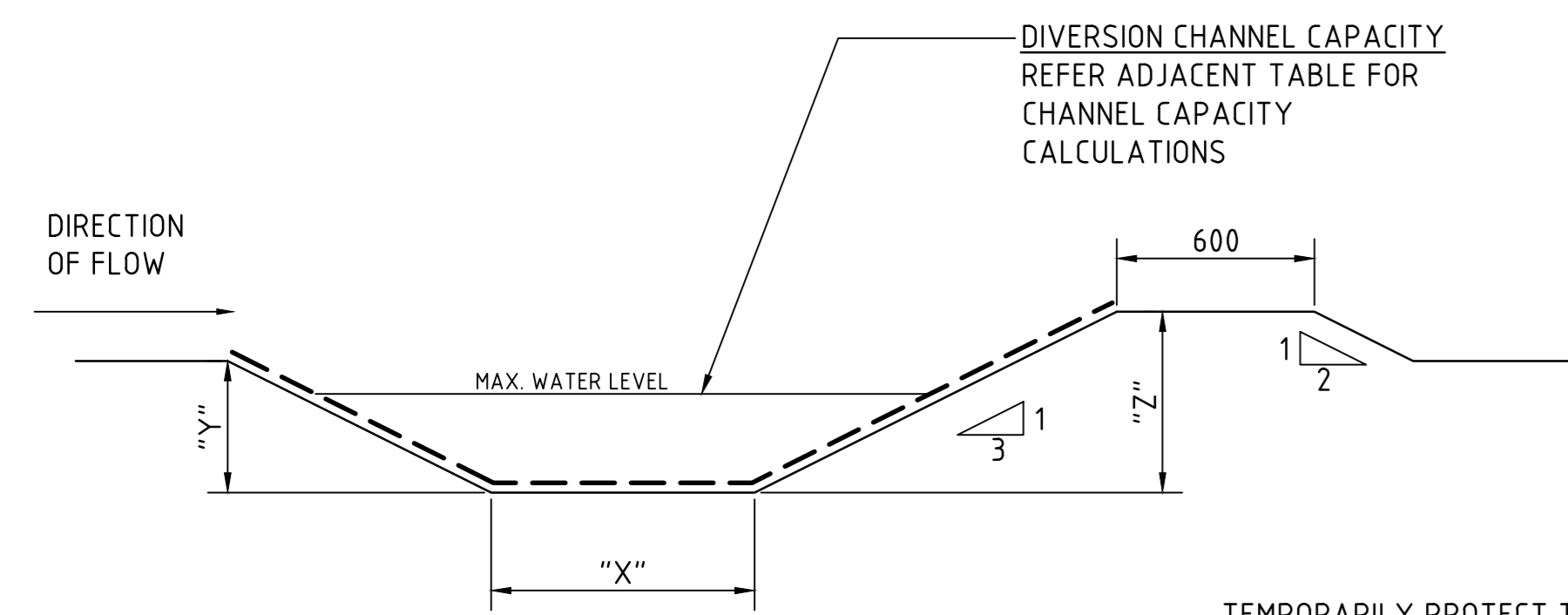


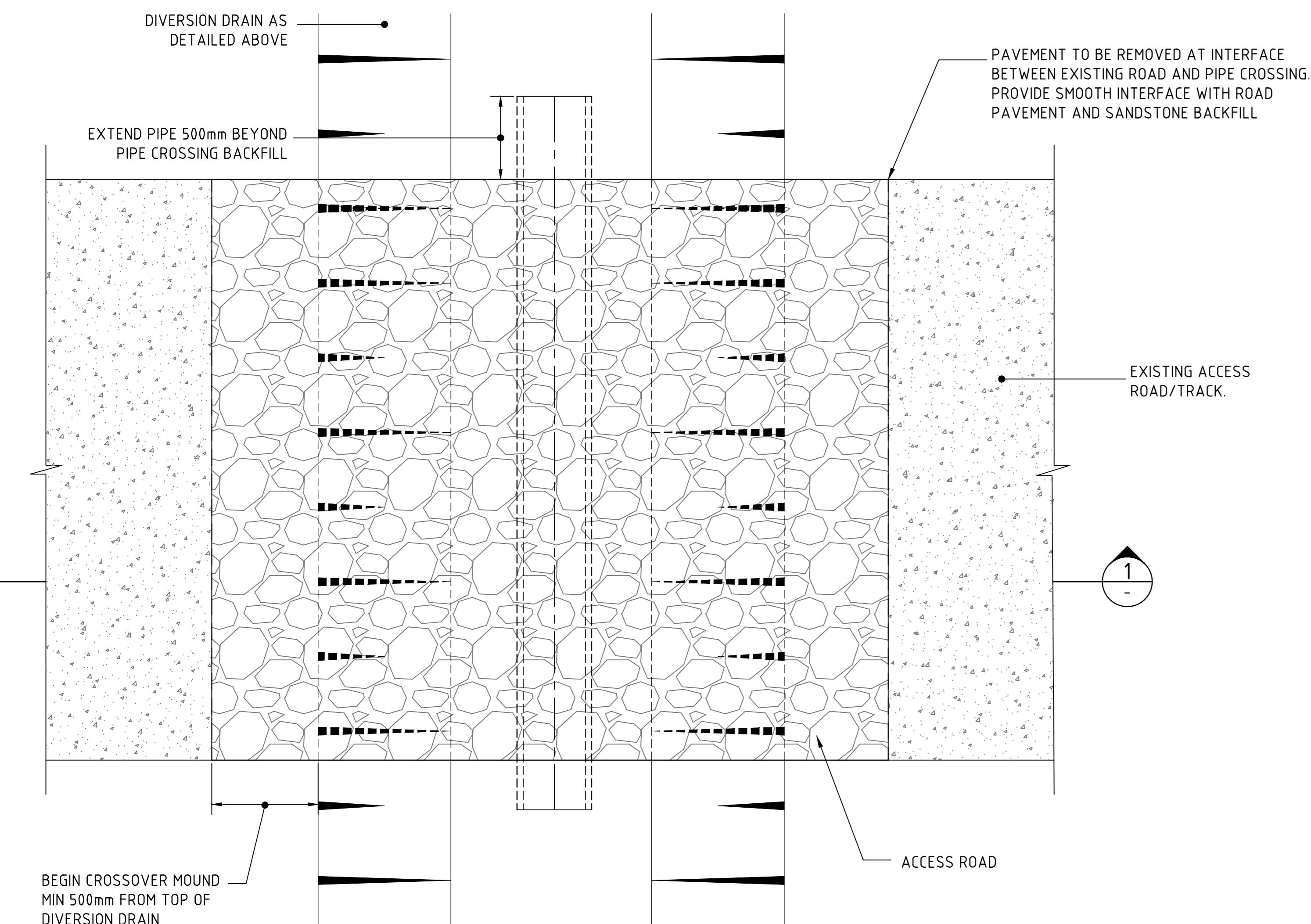
DIVERSION CHANNEL CAPACITY  
 $Q_0 = XXX \text{ l/s (A=XX Ha MAX.)}$   
 MANNINGS  $n=XXX$ , MIN. SLOPE = 0.5%  
 CHANNEL CAPACITY (d=250mm) =  $XXX \text{ l/s} + 20\% \text{ FREEBOARD}$   
 VELOCITY =  $XXX \text{ m/s}$  THEREFORE SCOUR PROTECTION REQ'D.



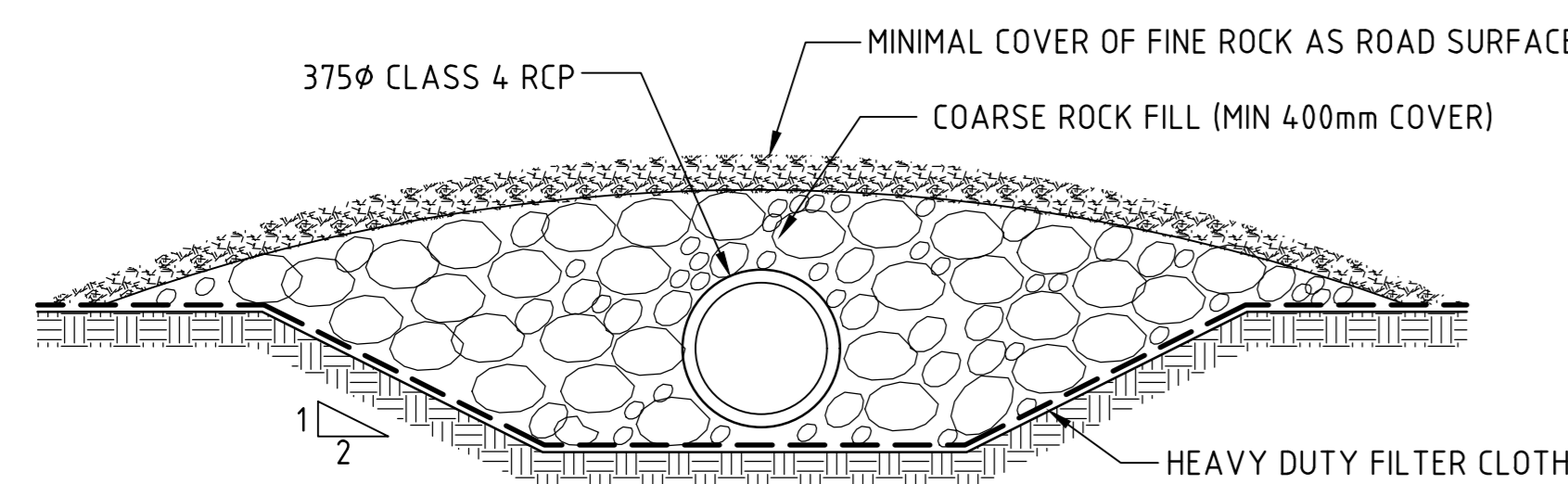
**DIVERSION DRAIN SECTION**  
 SCALE 1:20

TEMPORARILY PROTECT THE SWALE FROM EROSION DURING CONSTRUCTION.

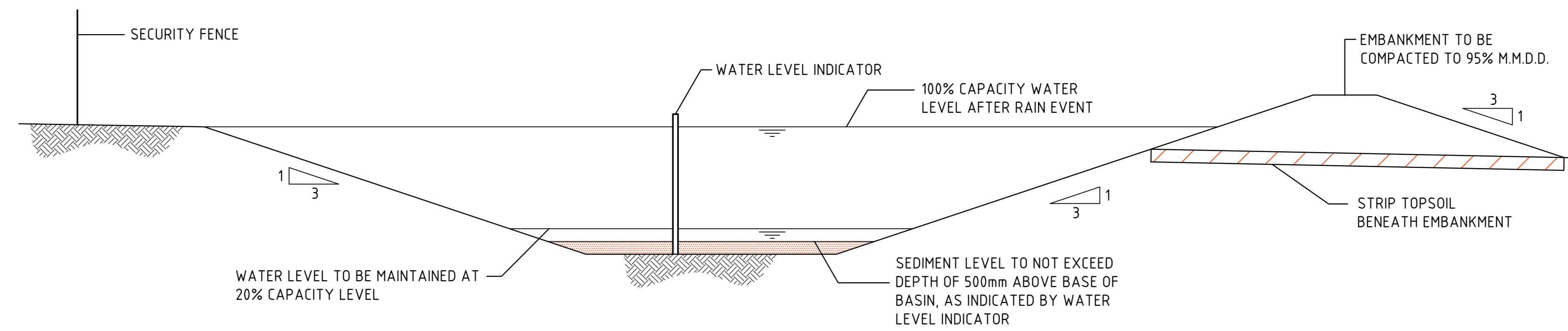
- TEMPORARY DIVERSION DRAINS SHALL BE STABILISED BY A 3000mm WIDE SECTION OF BIODEGRADABLE JUTE OPEN WEAVE MESH. JUTE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION
- EARTHEN CLEAN WATER DIVERSION DRAINS SHALL BE STABILISED BY:
  - TURF REINFORCEMENT, OR
  - GEOTEXTILE LINER, OR
  - POLYMER HYDRAULIC SOIL STABILISER. DOSAGE TO BE TO MANUFACTURER'S SPECIFICATION FOR FLOW RATES NOMINATED. DOSAGE SHALL BE SUCH THAT  $C=0.05$ .



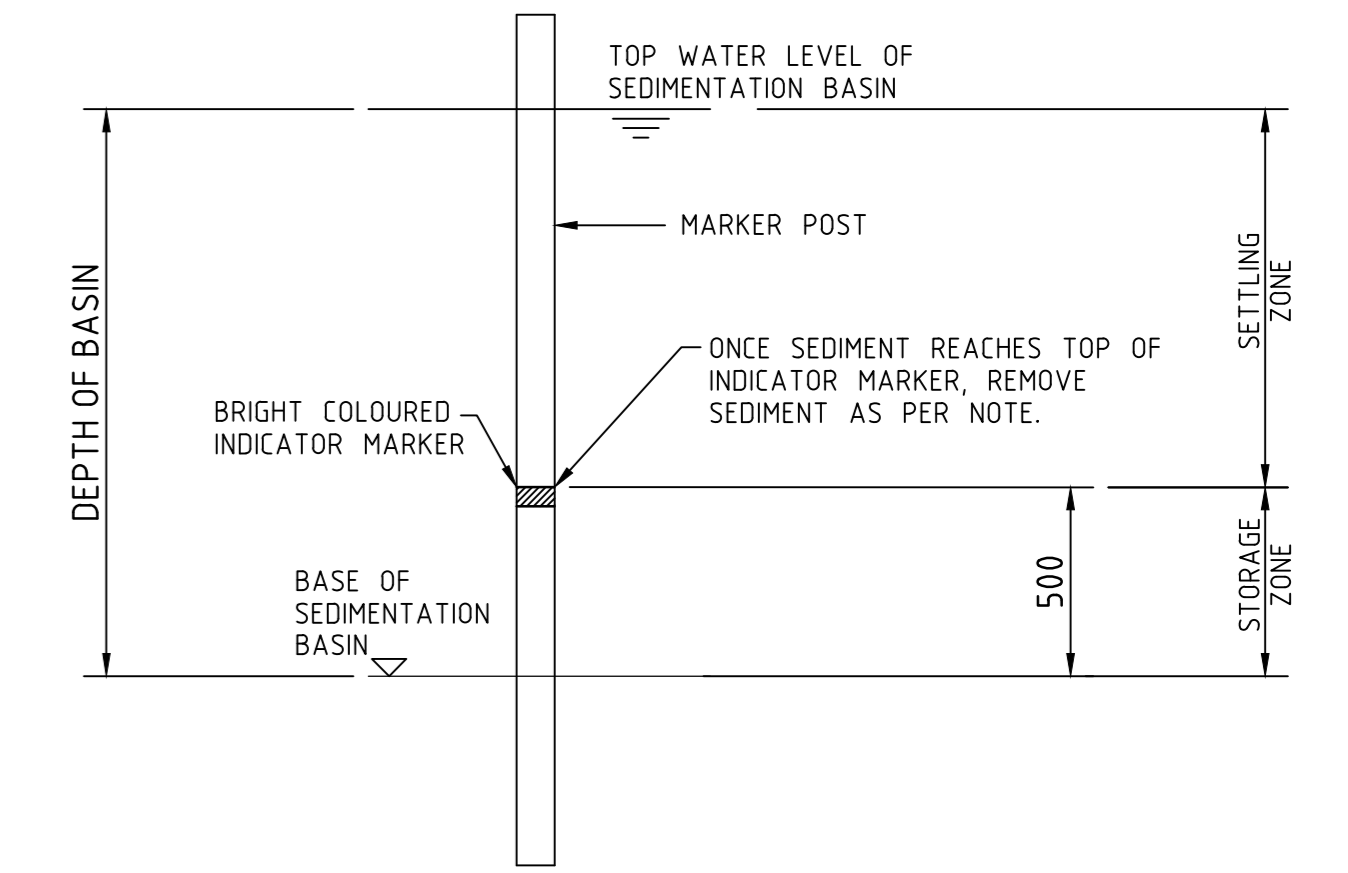
**TYPICAL CROSSING OVER DIVERSION CHANNEL - PLAN**  
 SCALE 1:20



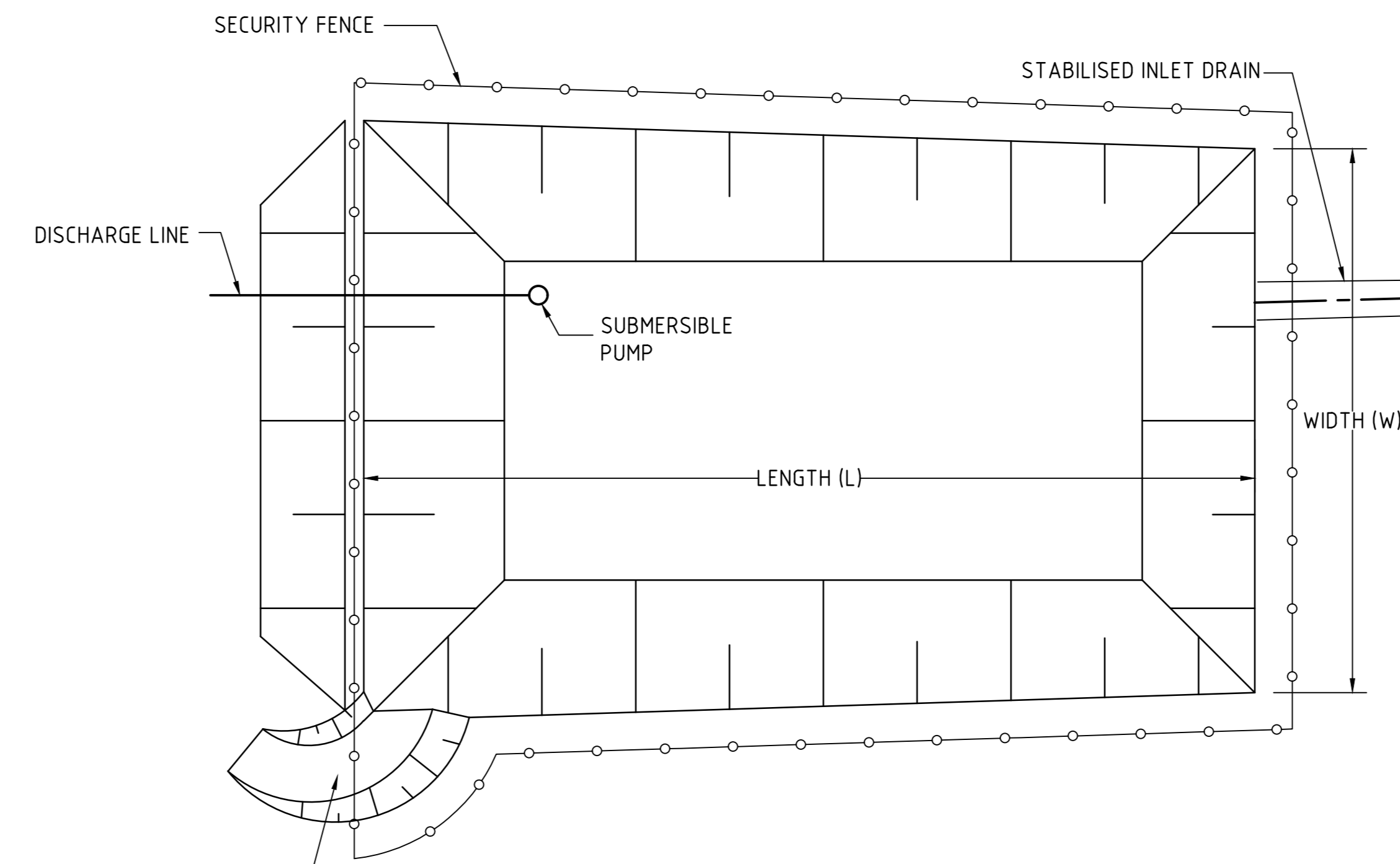
**SECTION 1:20**  
 TYPICAL CROSSING OVER DIVERSION CHANNEL



**TYPICAL SEDIMENT CONTROL BASIN SECTION**  
 SCALE 1:50

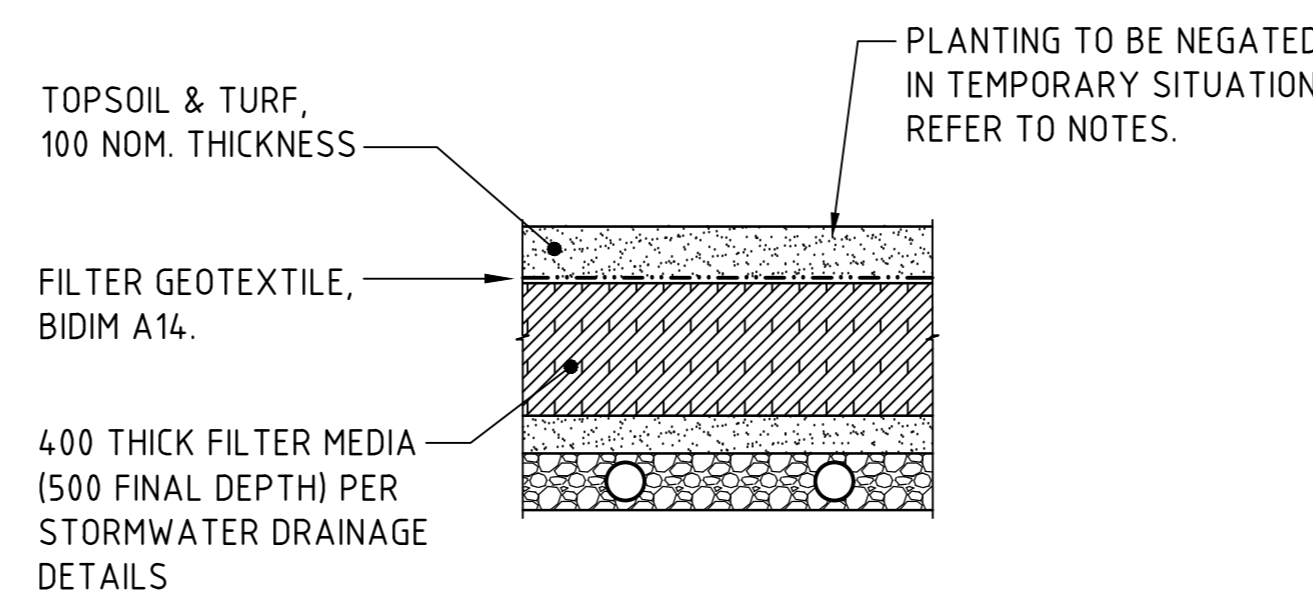


**SEDIMENT STORAGE MARKER**  
 SCALE 1:20



SPILLWAY TO CATER FOR  $Q_0$  ARI FLOW FOR 6-12 MONTHS. REFER TO PLAN FOR SPILLWAY WIDTH. SPILLWAY TO BE STABILISED WITH SANDSTONE BOULDERS

**TYPICAL SEDIMENT CONTROL POND PLAN**  
 SCALE 1:250



**TEMPORARY BIO-RETENTION PROTECTION DETAIL**  
 SCALE 1:20

TEMPORARY CONSTRUCTION REQUIREMENT DETAIL - PROVIDE 100mm TOPSOIL AND TEMPORARY EROSION PROTECTION (JUTEMASTER OR EQUIV) TO SWALE BATTER SLOPES AND ADJACENT LANDSCAPED AREAS. NOTE THAT NO TOPSOIL IS TO BE PLACED OVER FILTRATION MEDIA. PROVIDE SILT FENCE TO TOP OF BANK UNTIL SUCH TIME AS THIS STABILISING AND VEGETATION HAS BEEN COMPLETED.

BIO-RETENTION TO BE PARTIALLY INSTALLED, FOLLOWING COMPLETION OF ROADWORKS, WITH THE TOP 75-100mm OF FILTER MEDIA REPLACED WITH A FINE TO COARSE SAND UNDERLAIN WITH A GEOTEXTILE LAYER (PER ABOVE DETAIL). FOLLOWING COMPLETION OF THE UPSTREAM DEVELOPMENT AND SITE STABILISATION, THE SAND IS TO BE REMOVED, REPLACED WITH FILTER MATERIAL AND PLANTED OUT. REFER TO BIO-RETENTION NOTES ON DRAWING LPWPIW-COS-CV-DWG-0453

**TEMPORARY BIO-RETENTION BASIN PROTECTION DETAILS**

**NOTES:**  
 ALL EROSION & SEDIMENT CONTROL MEASURES TO BE INSPECTED & MAINTAINED DAILY BY SITE MANAGER.  
 MINIMISE DISTURBED AREAS.  
 ROADS & FOOTPATHS TO BE SWEEP DAILY.  
 1.2m TURF TO BE PLACED BEHIND KERBS.  
 DUST MINIMISATION CONTROL BY WATERING TO BE IMPLEMENTED BY SITE MANAGER AS REQUIRED OR AS DIRECTED BY THE EPA.

**EROSION & SEDIMENT CONTROL NOTES:**  
 REFER TO DRAWING 0200 FOR EROSION & SEDIMENT CONTROL NOTES

2m 0 5 10 15 20 25m  
 SCALE 1:250 AT A0 SHEET SIZE

500mm 0 1 2 3 4 5m  
 SCALE 1:50 AT A0 SHEET SIZE

200mm 0 500 1000 1500 2000mm  
 SCALE 1:20 AT A0 SHEET SIZE

**FOR CONSTRUCTION**

Costin Roe Consulting

DRAWING TITLE  
**EROSION & SEDIMENT CONTROL  
 DETAILS - SHEET 2**

ISSUED FOR CONSTRUCTION	20.08.20	0	AMENDMENTS	DATE	ISSUE
AMENDMENTS					

DEVELOPER

ARCHITECT

PROJECT MANAGER

PROJECT

**PRECINCT INFRASTRUCTURE  
 WORKS WEST**  
 MOOREBANK AVENUE, MOOREBANK

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PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING No. LPWPIW-COS-CV-DWG-0251 ISSUE 0