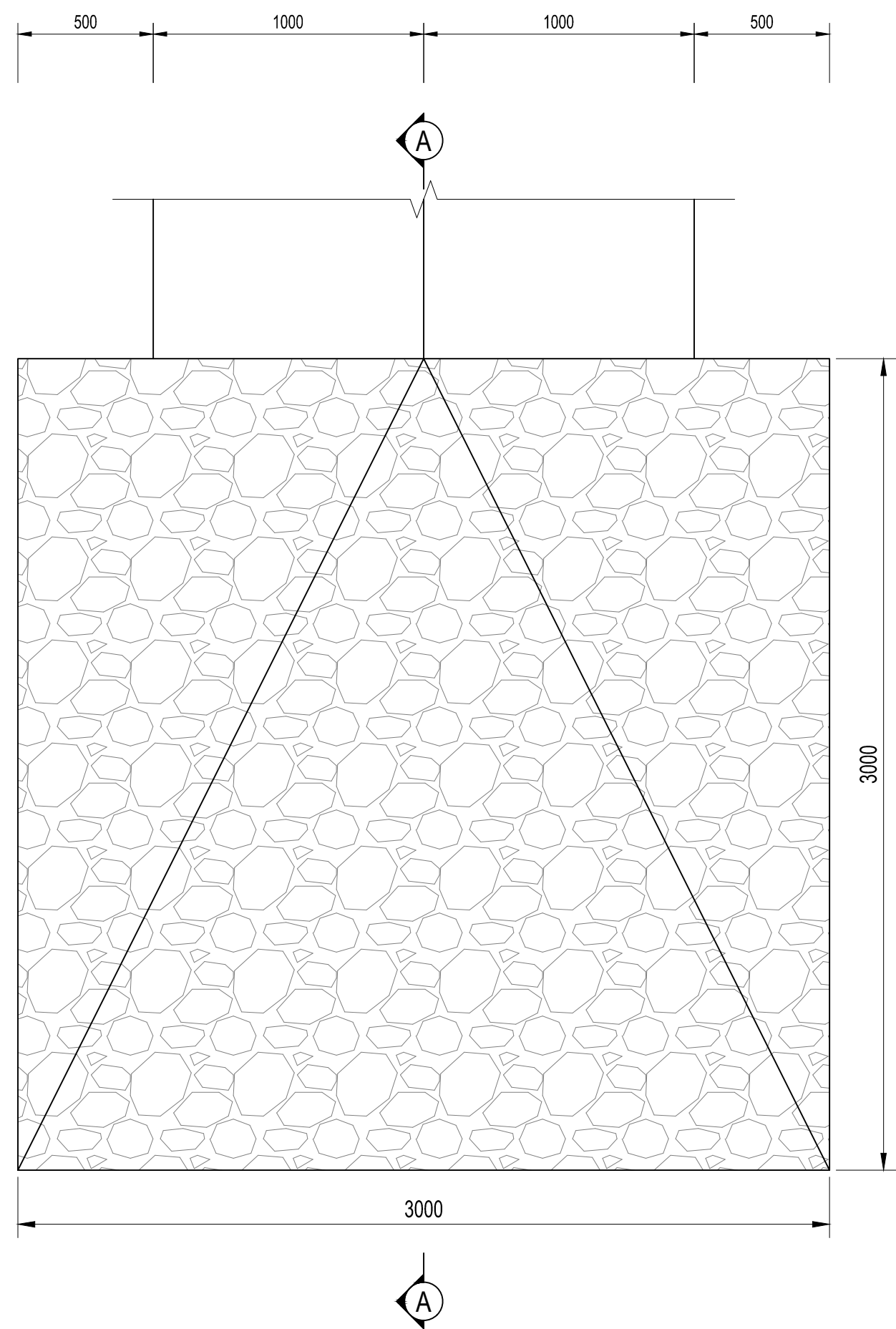
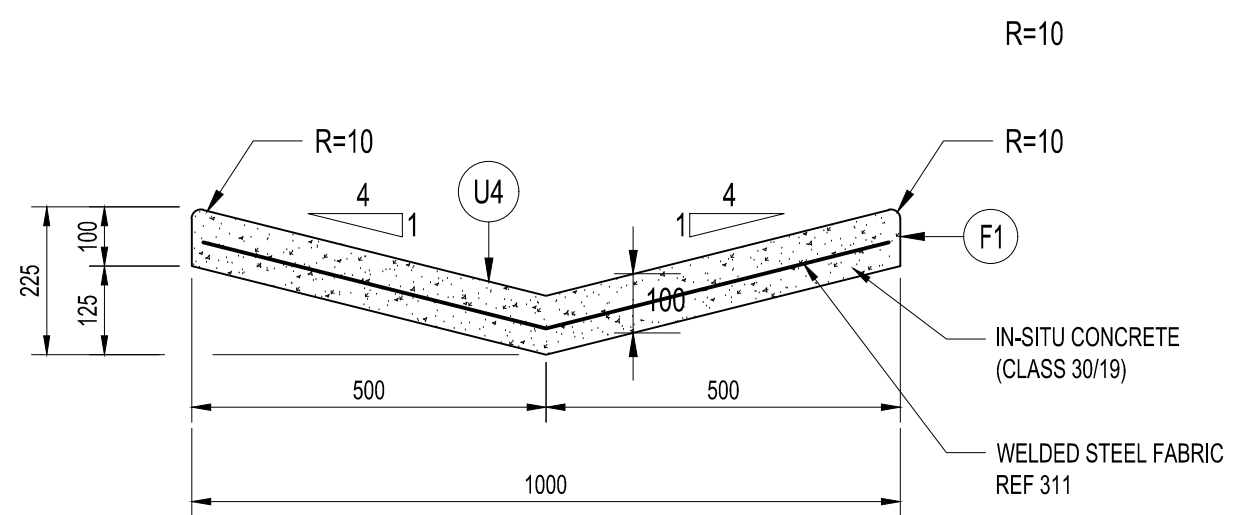


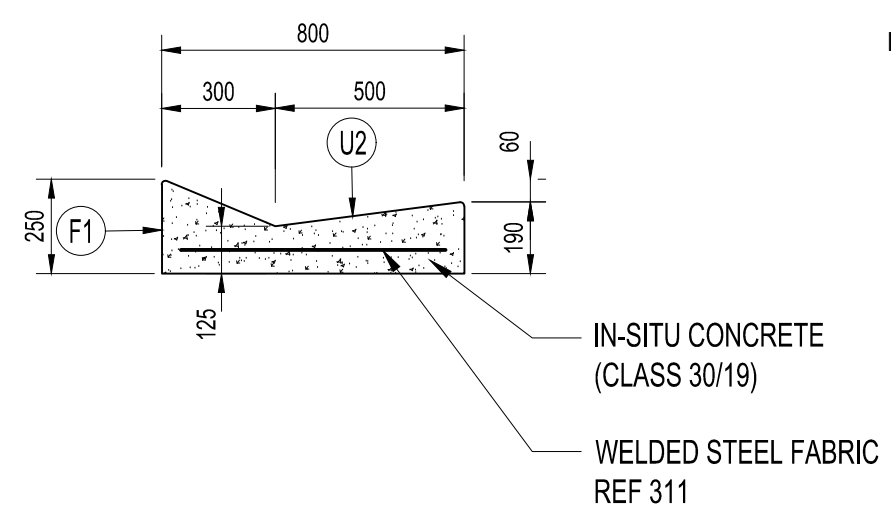
SECTION A-A
SCALE 1:20



PLAN
CONCRETE SIDE DRAIN - TYPE E: GABION MATTRESS OUTLET
SCALE 1:20

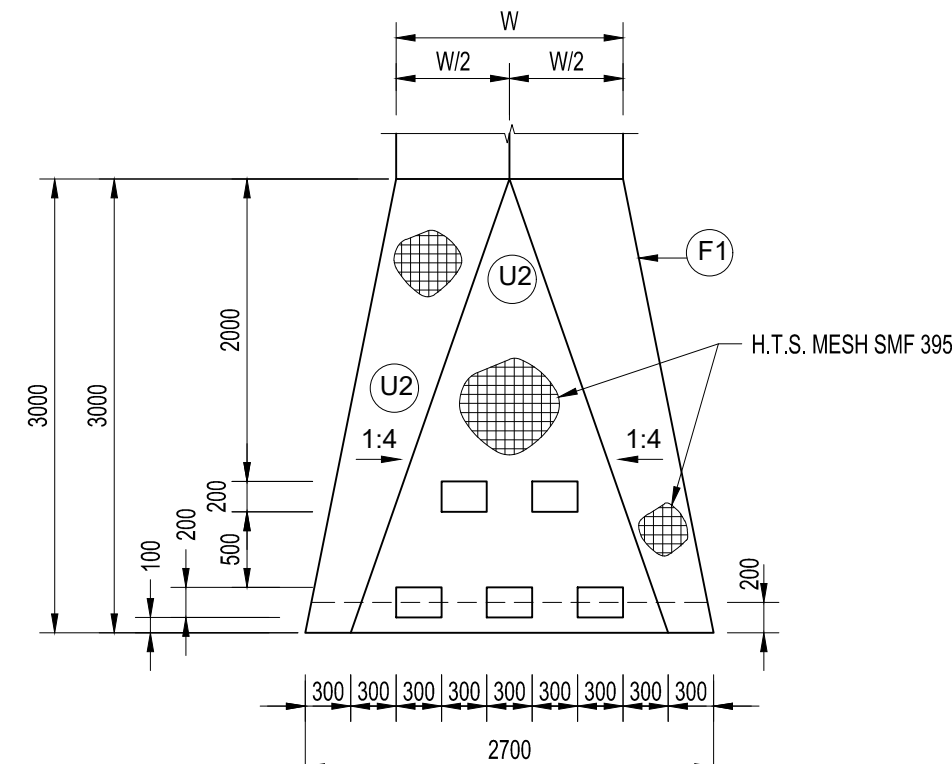


CROSS SECTION OF TYPE "E"
CONCRETE CHANNEL
SCALE 1:20

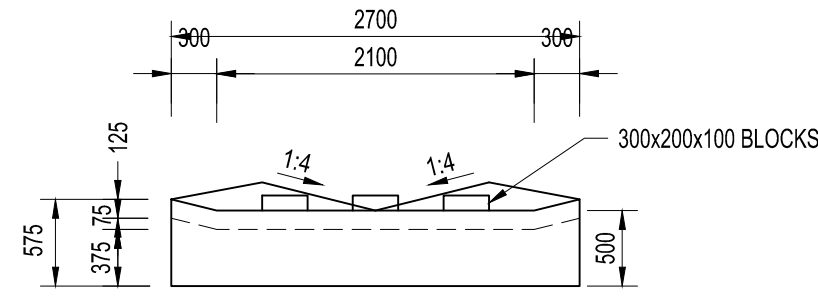


CROSS SECTION A-A OF TYPE "A"
CONCRETE SIDE DRAIN
SCALE 1:20

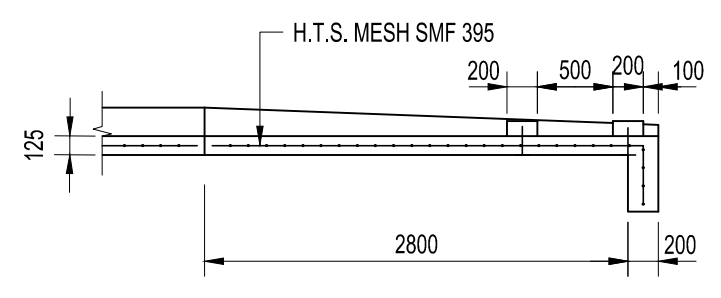
- NOTES :
1. ALL CONCRETE CHANNELS AND OTHER DRAINAGE STRUCTURES ON THIS PLAN TO BE CAST USING CLASS 30/19 CONCRETE.
 2. TYPES 'F' AND 'F' CONCRETE MUST BE CAST IN ALTERNATIVE LENGTHS OF 2.0m MAXIMUM WITH EXPANSION JOINTS EVERY 5th PANEL (10 m)
 3. ALL EXPOSED CORNERS MUST BE ROUNDED OF TO A MINIMUM RADIUS OF 10mm.
 4. THE TYPE OF SURFACE FINISH IS INDICATED AS F1 & U2.
 5. F - FORMED SURFACES
U - UNFORMED SURFACES
PRECAST KERBING FIG. 5 & FIG. 7 REFER SANS. 927



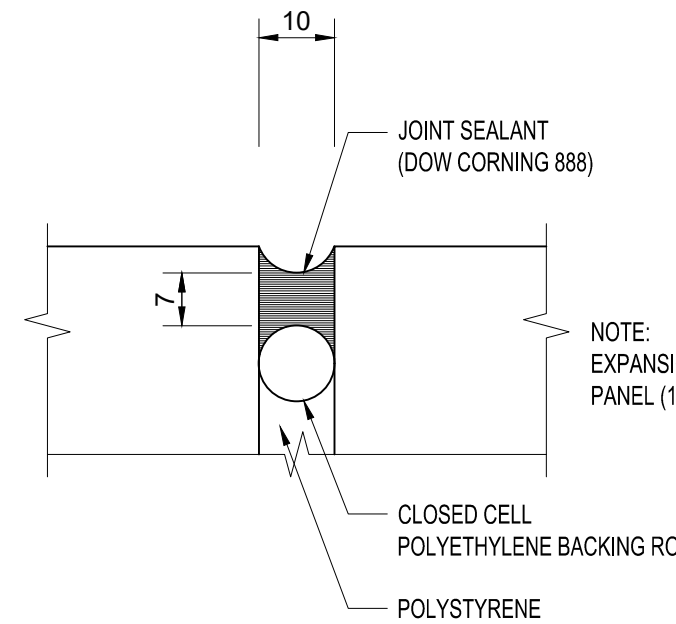
PLAN
ENERGY BREAKER
SCALE 1:50



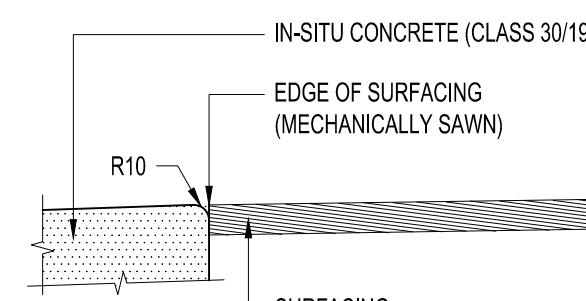
ELEVATION
SCALE 1:50



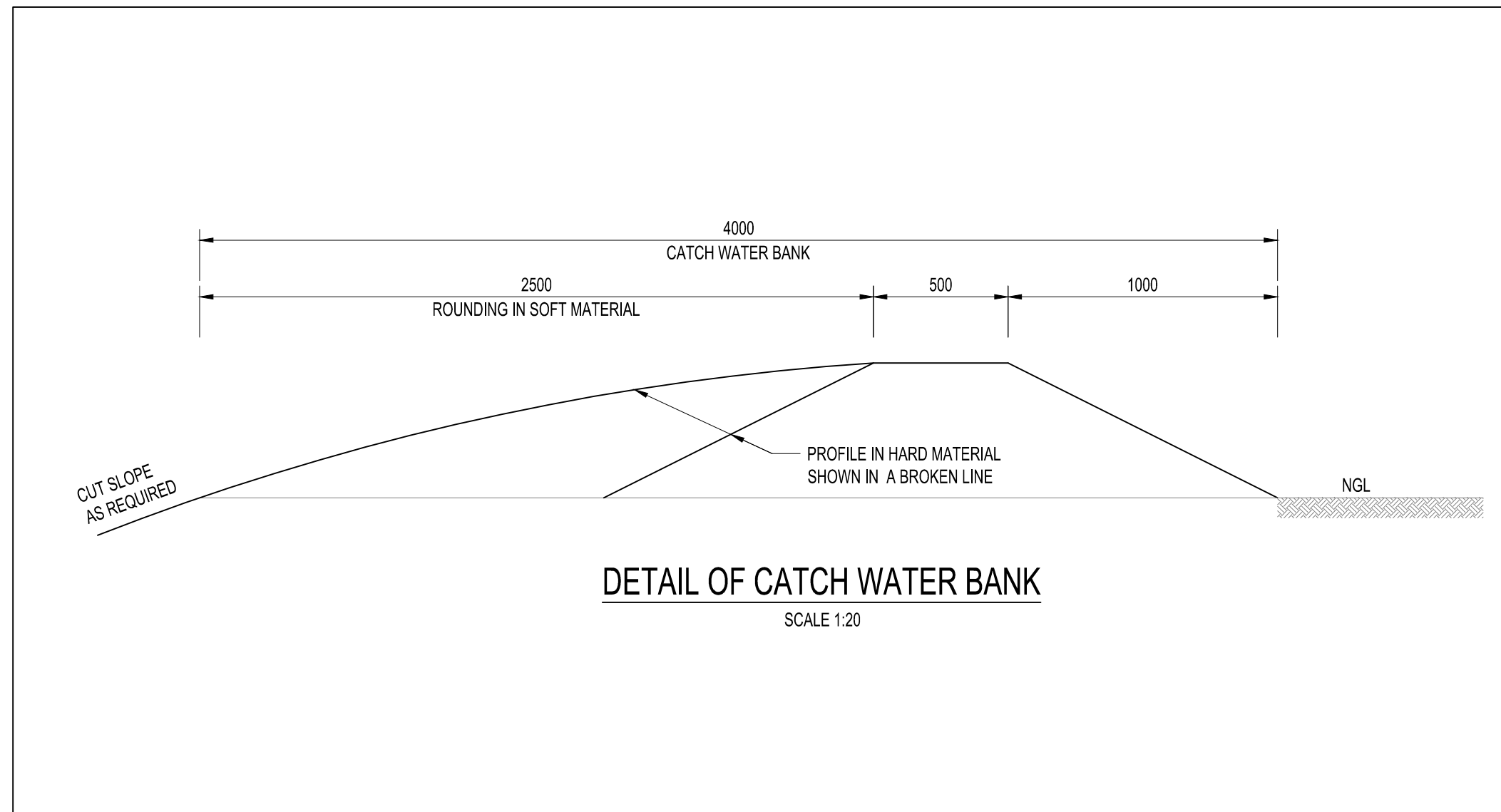
SIDE ELEVATION
SCALE 1:50



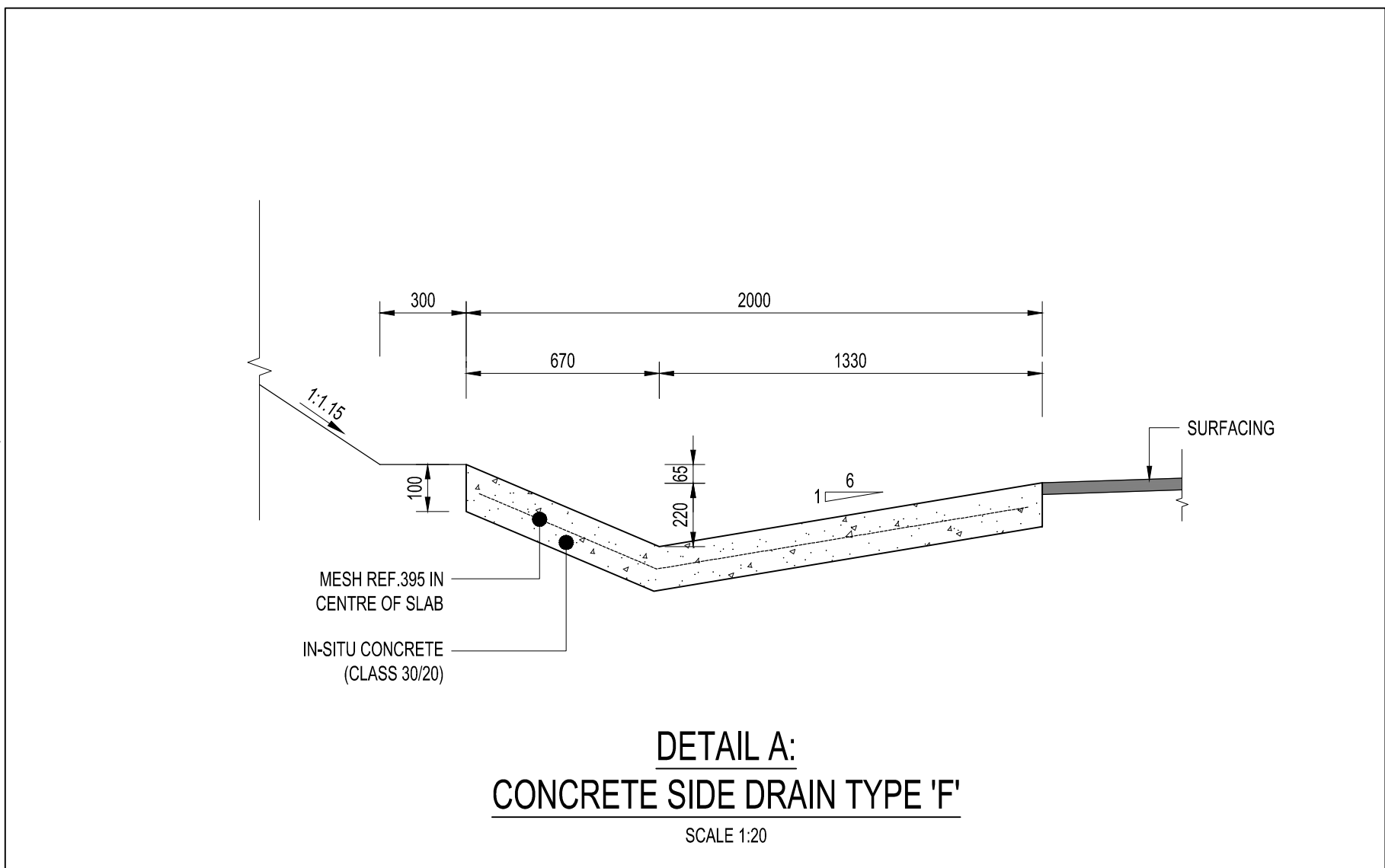
EXPANSION JOINT
SCALE 1:1



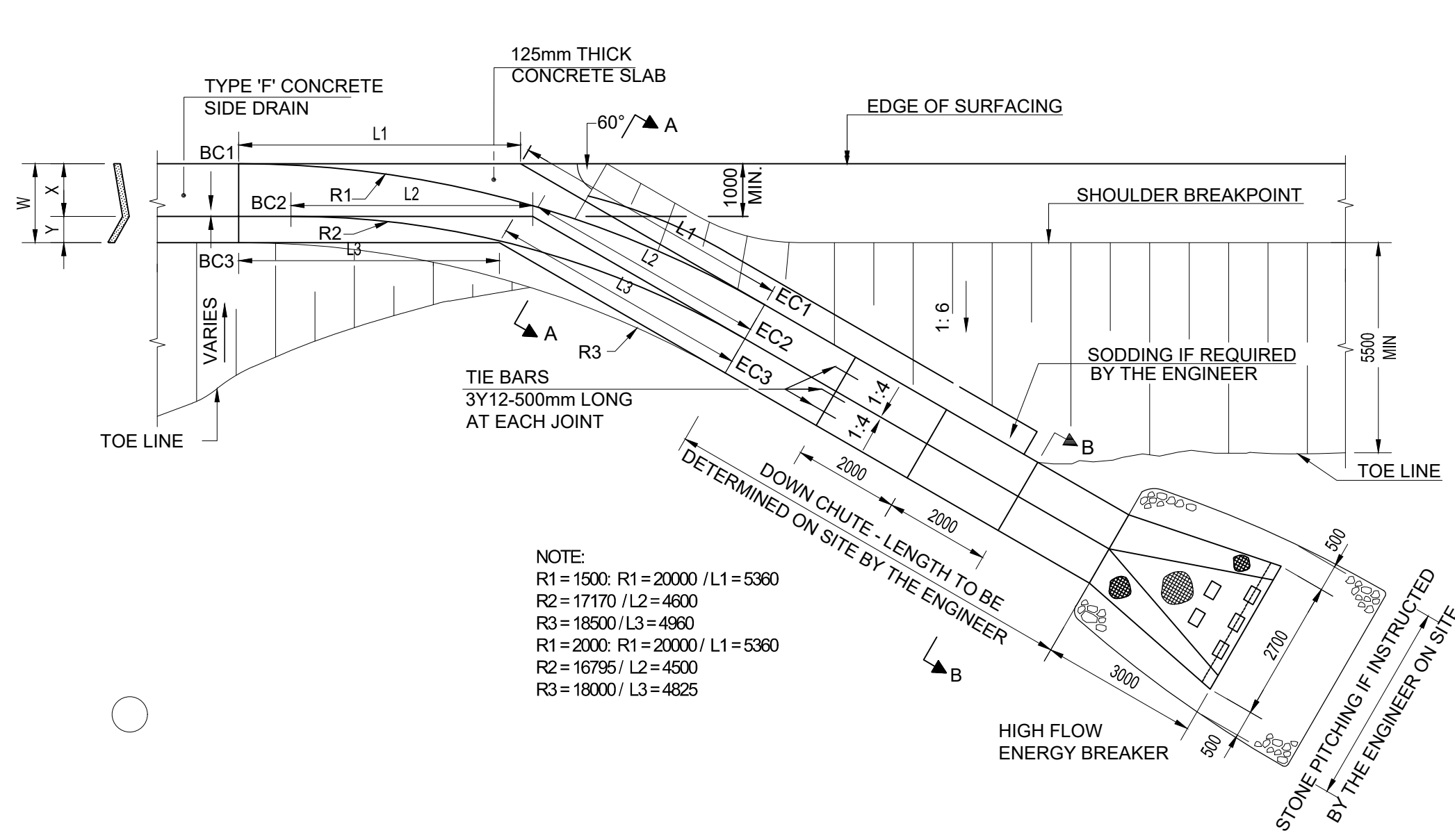
DETAIL X
SCALE 1:1



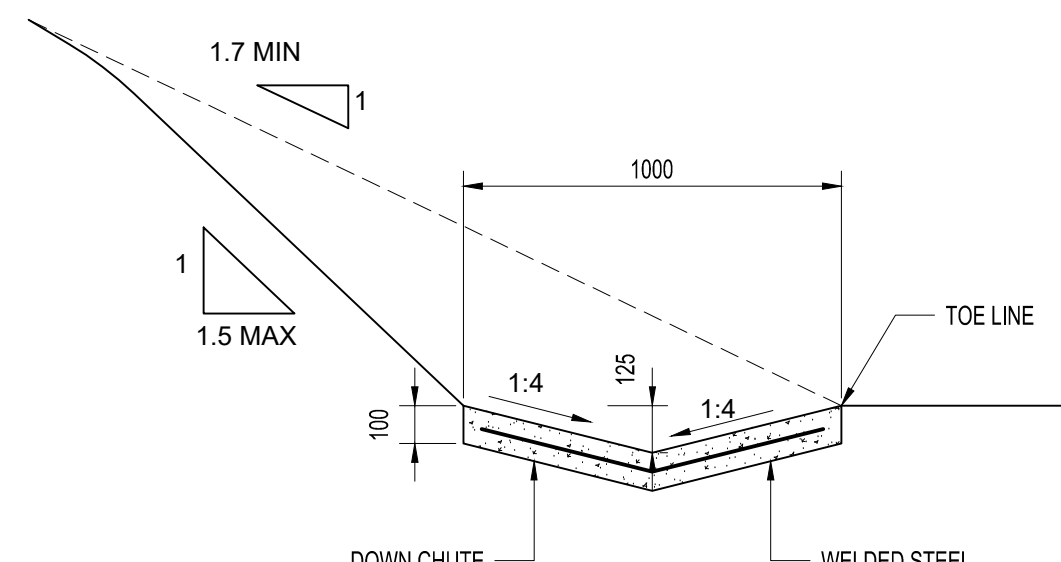
DETAIL OF CATCH WATER BANK
SCALE 1:20



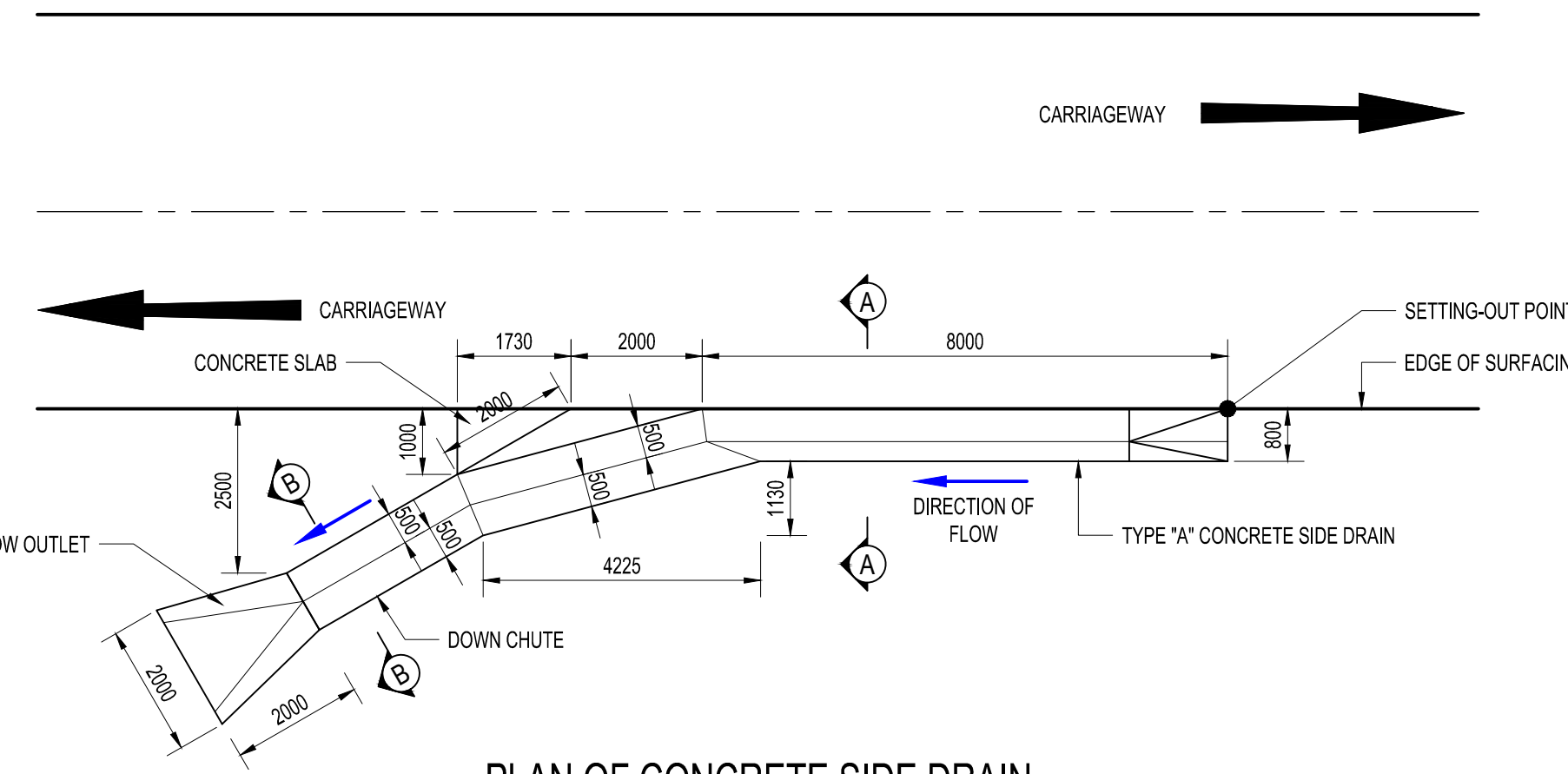
DETAIL A:
CONCRETE SIDE DRAIN TYPE "F"
SCALE 1:20



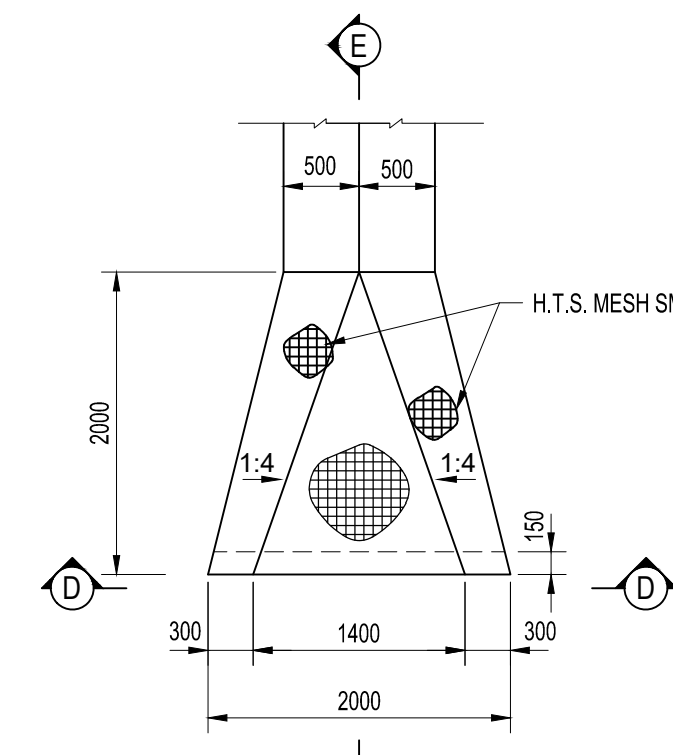
TRANSITION AND DOWN CHUTE FOR TYPE "F"
CONCRETE SIDE DRAIN
SCALE 1:100



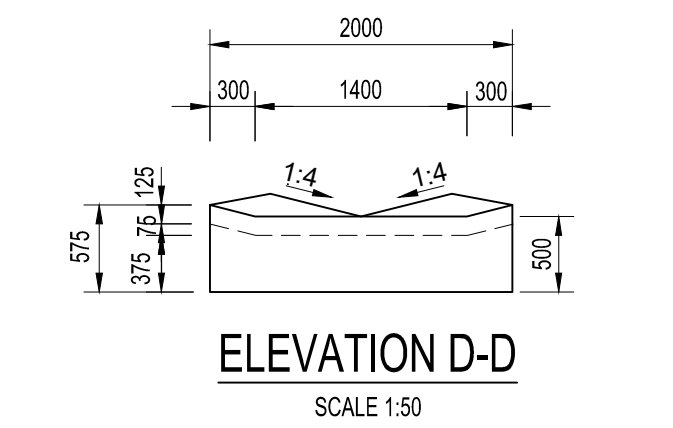
SECTION B-B
SCALE 1:20



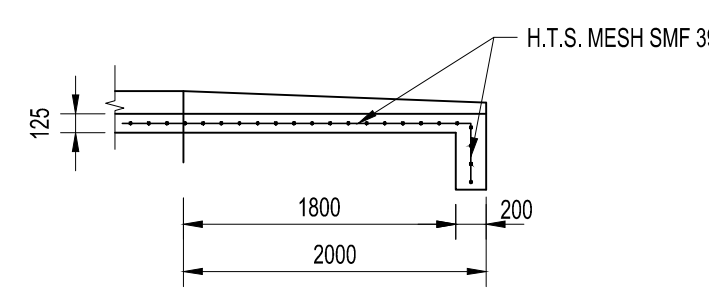
PLAN OF CONCRETE SIDE DRAIN
AT SHALLOW FILL
SCALE 1:100



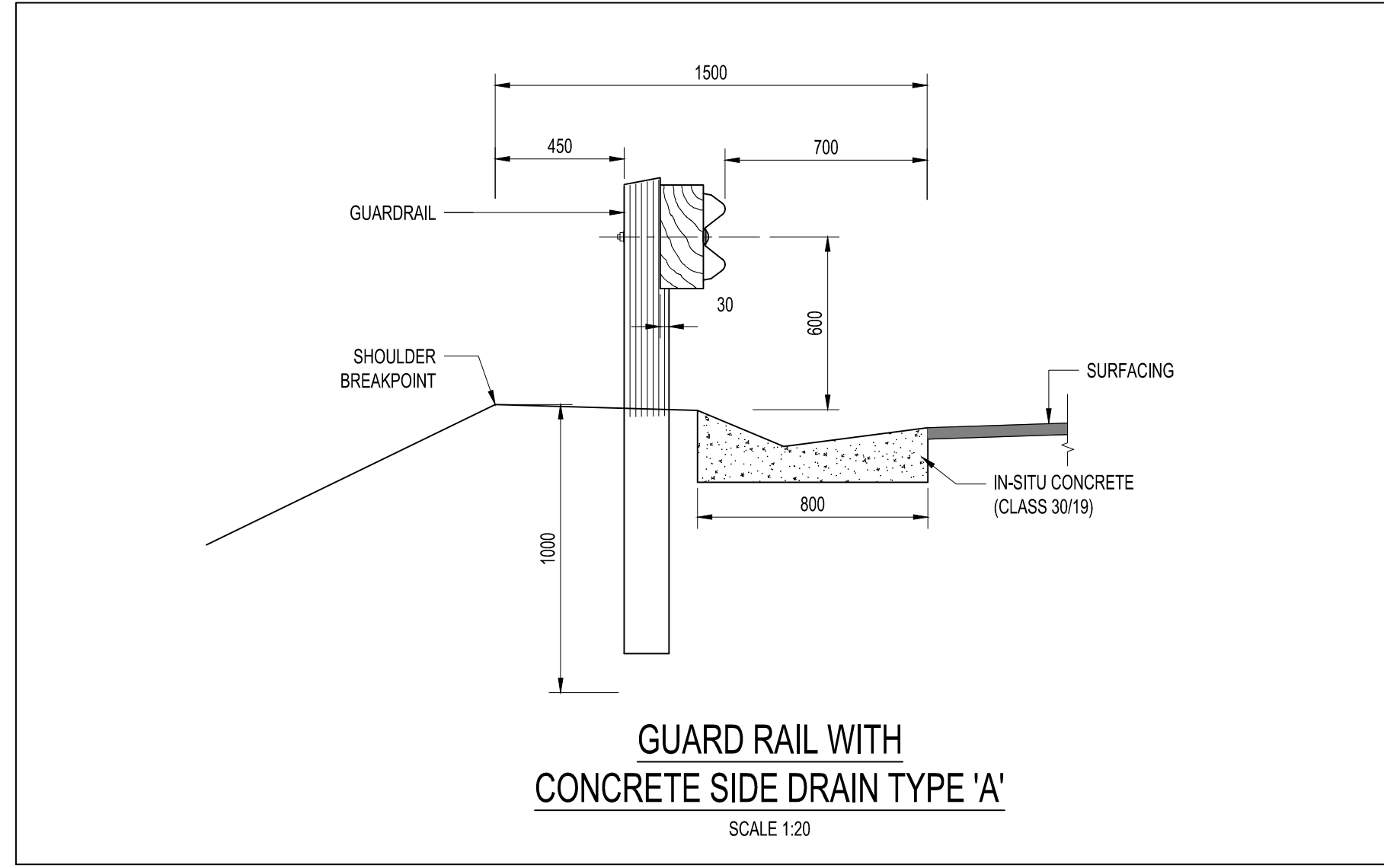
PLAN
LOW FLOW DETAIL
SCALE 1:50



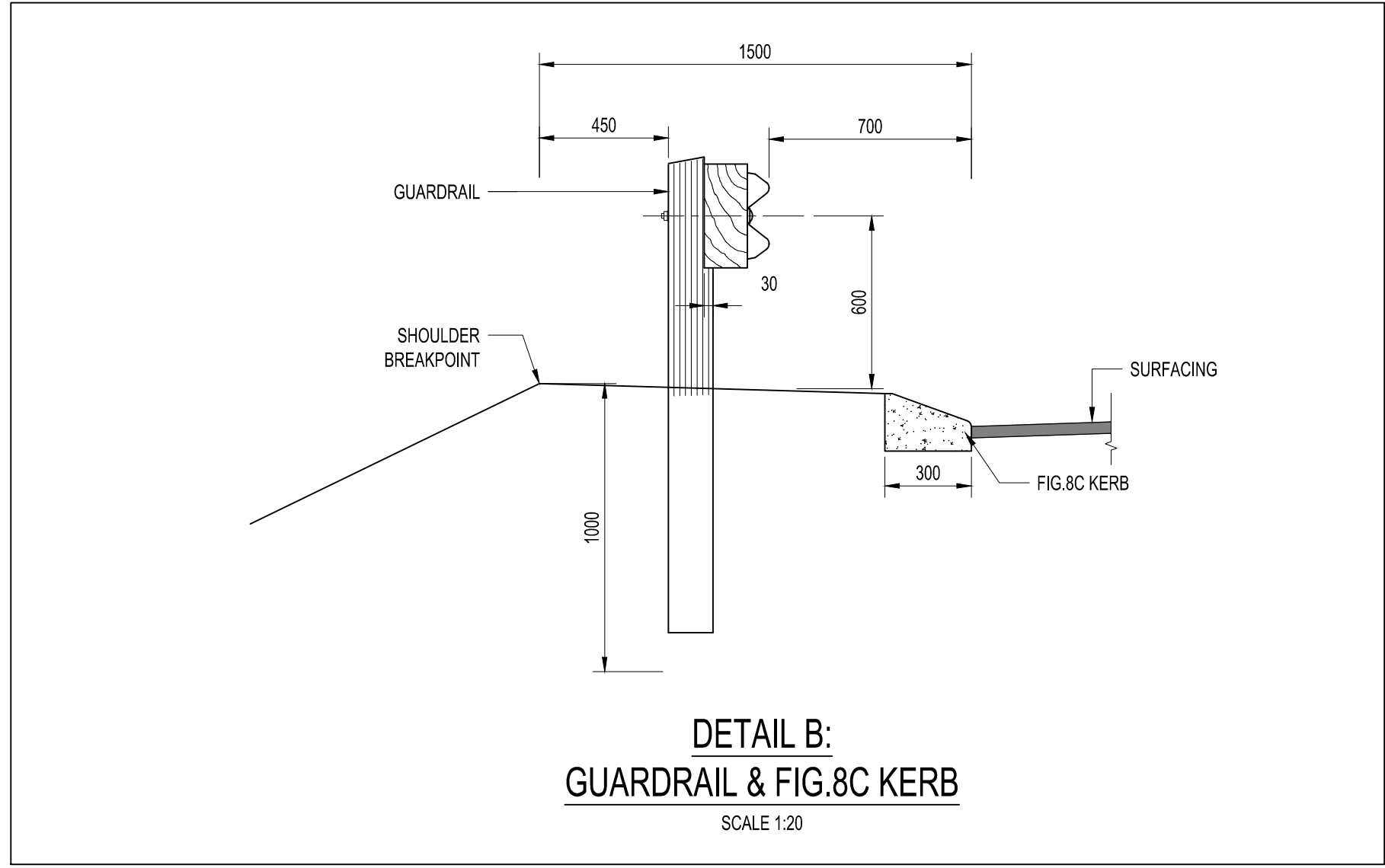
ELEVATION D-D
SCALE 1:50



SECTION E-E
SCALE 1:50



GUARD RAIL WITH
CONCRETE SIDE DRAIN TYPE "A"
SCALE 1:20



DETAIL B:
GUARDRAIL & FIG.8C KERB
SCALE 1:20

NOTES :

1. ALL CONCRETE CHANNELS AND OTHER DRAINAGE STRUCTURES ON THIS PLAN TO BE CAST USING CLASS 30/19 CONCRETE.
2. ALL CONCRETE CHANNELS MUST BE CAST IN ALTERNATIVE LENGTHS OF 2.0m MAXIMUM WITH EXPANSION JOINTS EVERY 5th PANEL (10 m)
3. ALL EXPOSED CORNERS MUST BE ROUNDED OF TO A MINIMUM RADIUS OF 10mm OR BE CHAMFERED 25mm x 25mm.
4. THE TYPE OF SURFACE FINISH IS INDICATED AS F1, F2 & U2.
F - FORMED SURFACES
U - UNFORMED SURFACES
5. MINIMUM CONCRETE COVER TO MAIN REINFORCEMENT IS 50mm.
6. ALL EXPOSED CORNERS MUST BE ROUNDED OF TO A MINIMUM RADIUS OF 10mm OR BE CHAMFERED 25mm x 25mm.
7. REFER GENERAL NOTES REGARDING CONCRETE DRAINS ON SHEET 1 OF 7 (8.1.1)
8. DETAILS OF EXPANSION JOINTS IN CONCRETE DRAINS AND FINISHING OF SURFACING EDGE NEXT TO CONCRETE DRAINS SHOWN AS "DETAIL X" ON SHEET 1 OF 7 (8.1.1) APPLY TO ALL RELATED TYPICAL DRAWINGS.

CLIENT:



MOGALAKWENA MUNICIPALITY

54 Relief Street
Mokopane
0801

PROJECT:

CONTRACT No. :
UPGRADING OF GRAVEL ROADS AND STORMWATER IN
MOORDKOPPIE CLUSTER MOLEKANE VILLAGE

DESIGN COORDINATOR APPROVAL:

SIGNATURE _____ DATE _____

PROJECT MANAGER APPROVAL:

SIGNATURE _____ DATE _____

CLIENT APPROVAL:

SIGNATURE _____ DATE _____

REV	DATE	DESCRIPTION	DRAWN
A	JUL. 2020	ISSUED FOR TENDER PURPOSE ONLY	MLM
REVISIONS			

DRAWN: ML. MATHEGA	CHECKED: S. SITHOLE	DESIGNED: A. JUBA
SCALES: AS SHOWN	DATE: SEPTEMBER 2020	
DRAWING TITLE:	MOLEKANE VILLAGE: STANDARD DETAILS, SHEET 1 OF 7	
SIZE: A0	PROJECT No.	
REV No. A	DRAWING No.	ROMH-042-07-05-01

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FOR TENDER