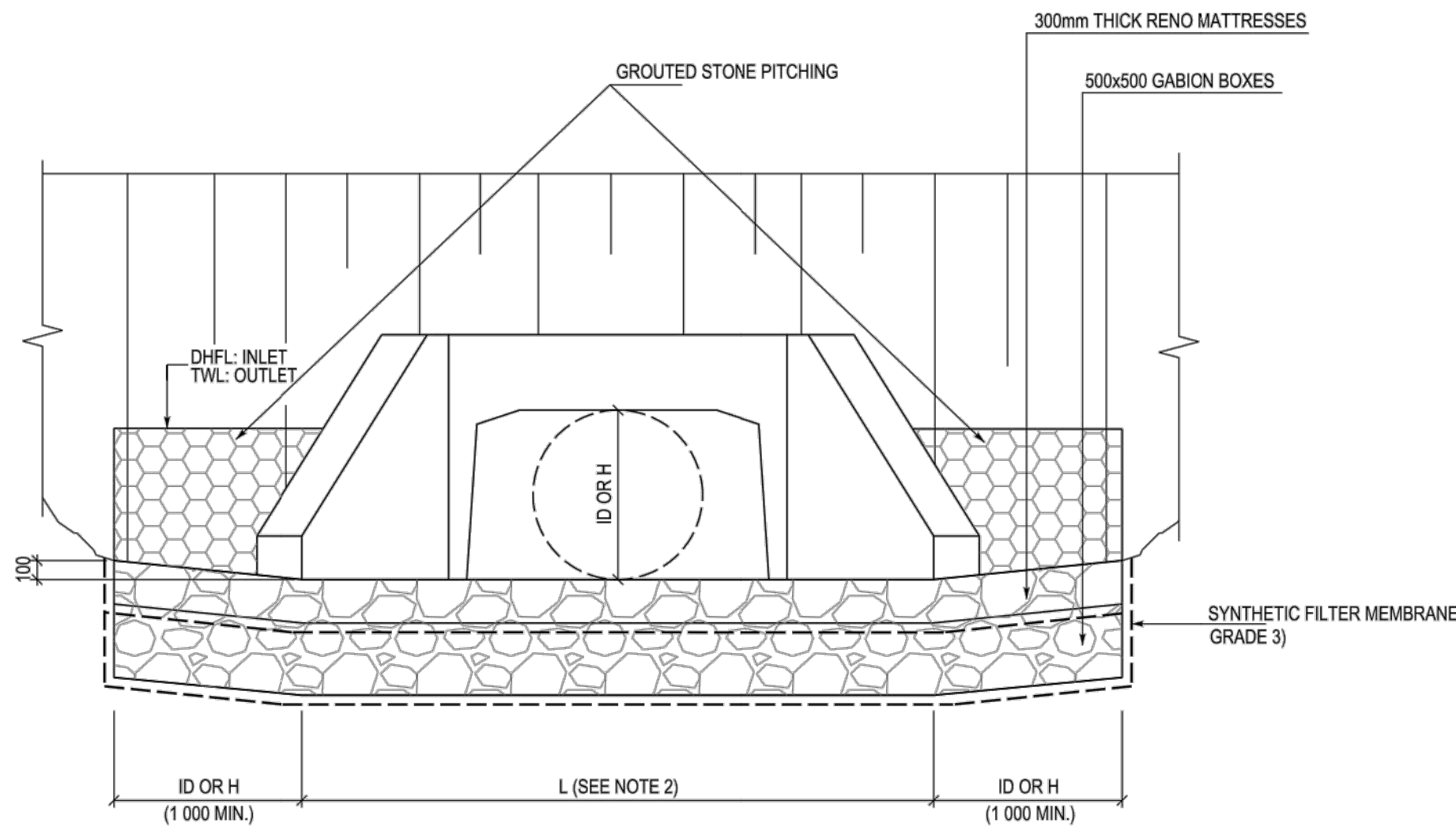
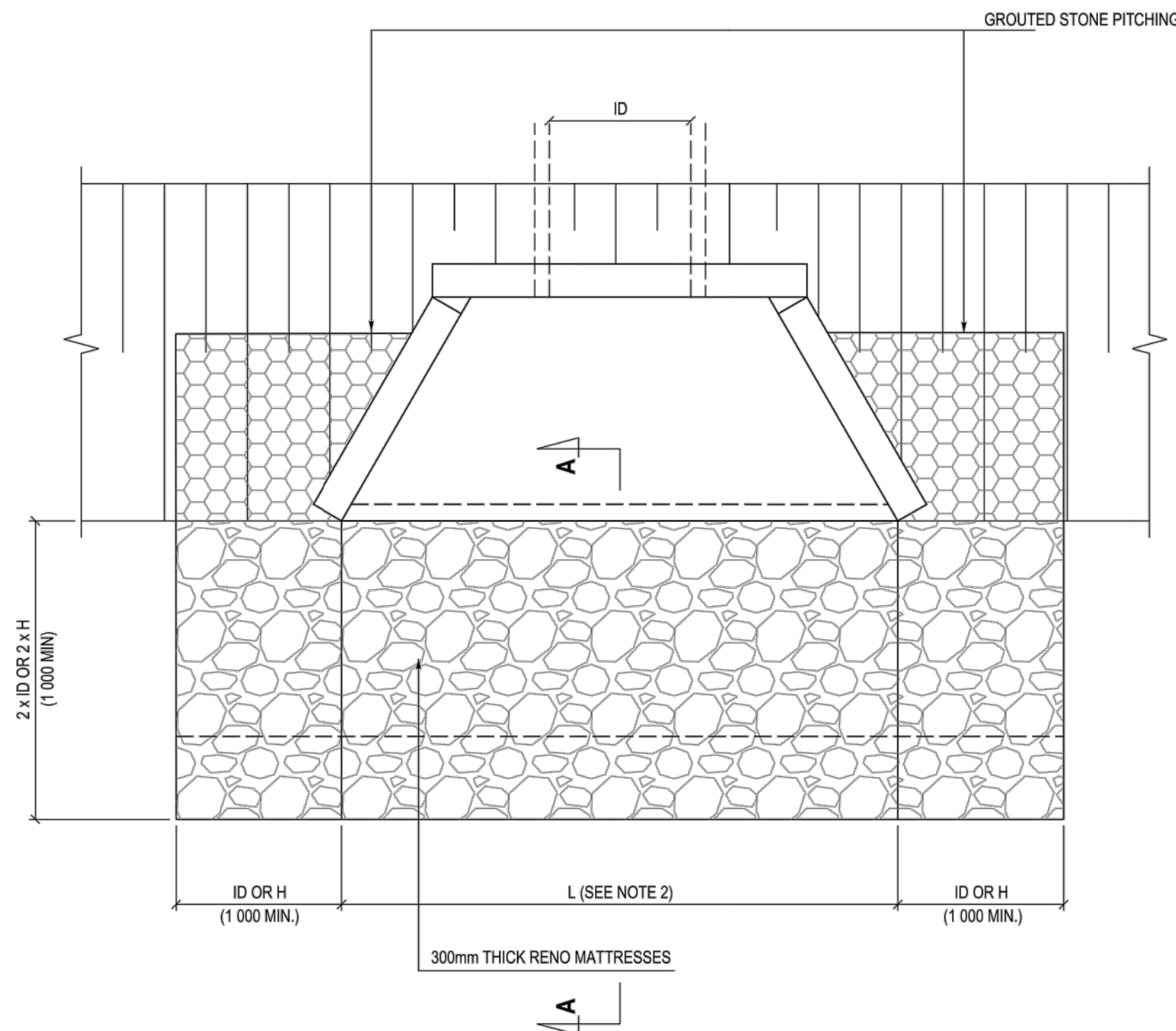


SECTION A-A



FRONT VIEW



PLAN

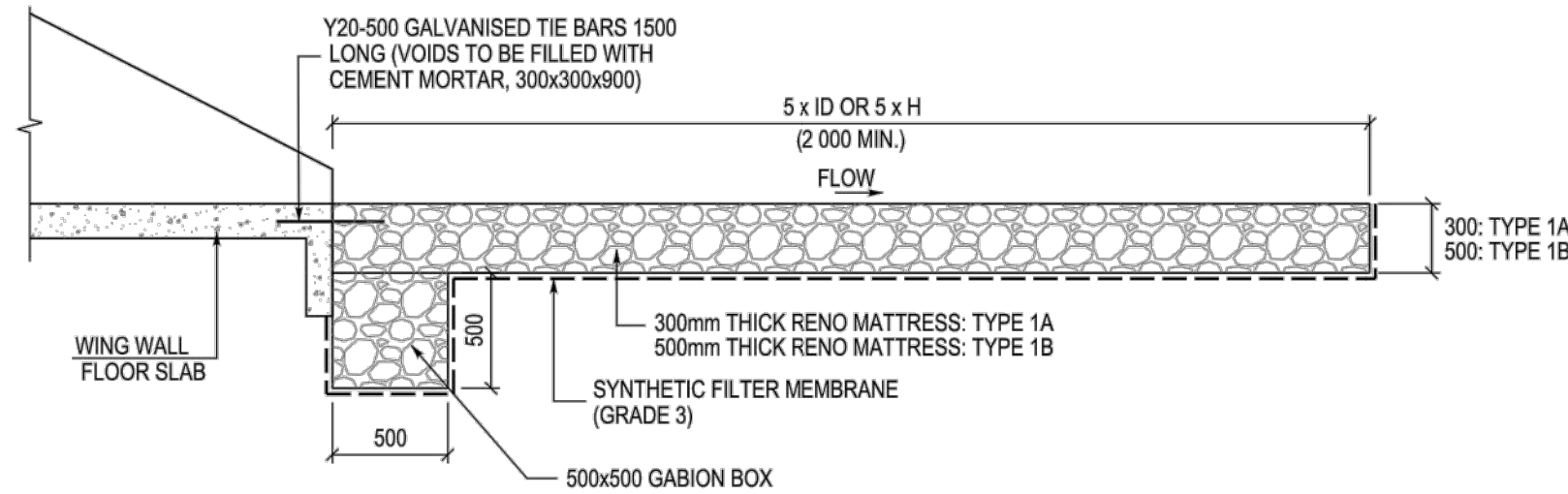
TYPE 1 INLET AND - OUTLET

SCALE 1:25

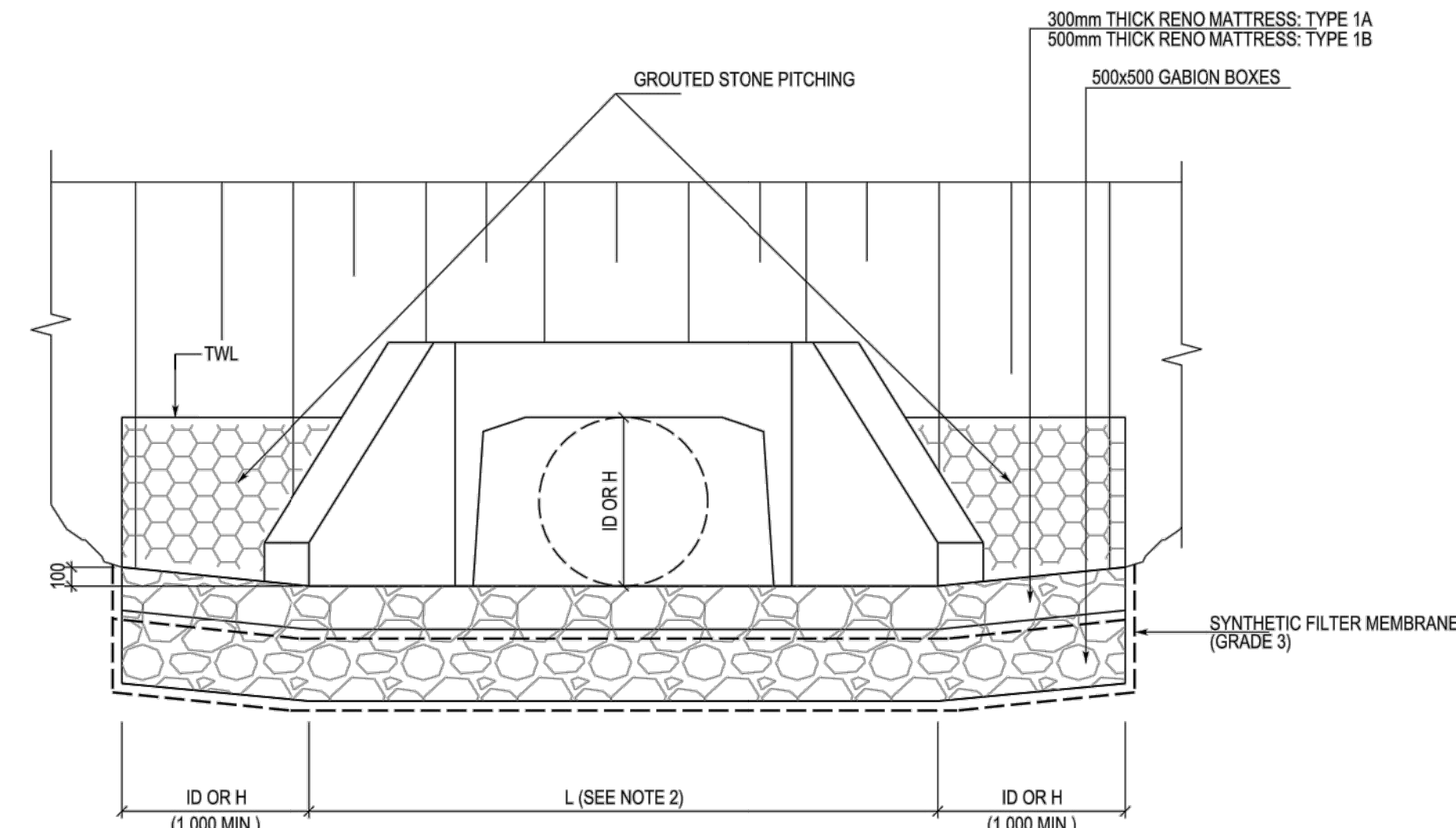
LEGEND	
ID	: INSIDE DIAMETER OF PIPE CULVERT.
H	: HEIGHT OF PORTAL CULVERT.
DHFL	: DESIGN HIGH FLOOD LEVEL.
TWL	: SOFFIT LEVEL (ID OR H)

EROSION PROTECTION AT CULVERT OUTLETS		
OUTLET FLOW VELOCITY (m/s)	PROTECTION MEASURE	OUTLET TYPE
1.5 < V < 3.5	GABION MATTRESS (300mm)	1
3.5 < V < 6.5	GABION MATTRESS (300mm)	1A
6.5 < V < 8	GABION MATTRESS (500mm)	1B

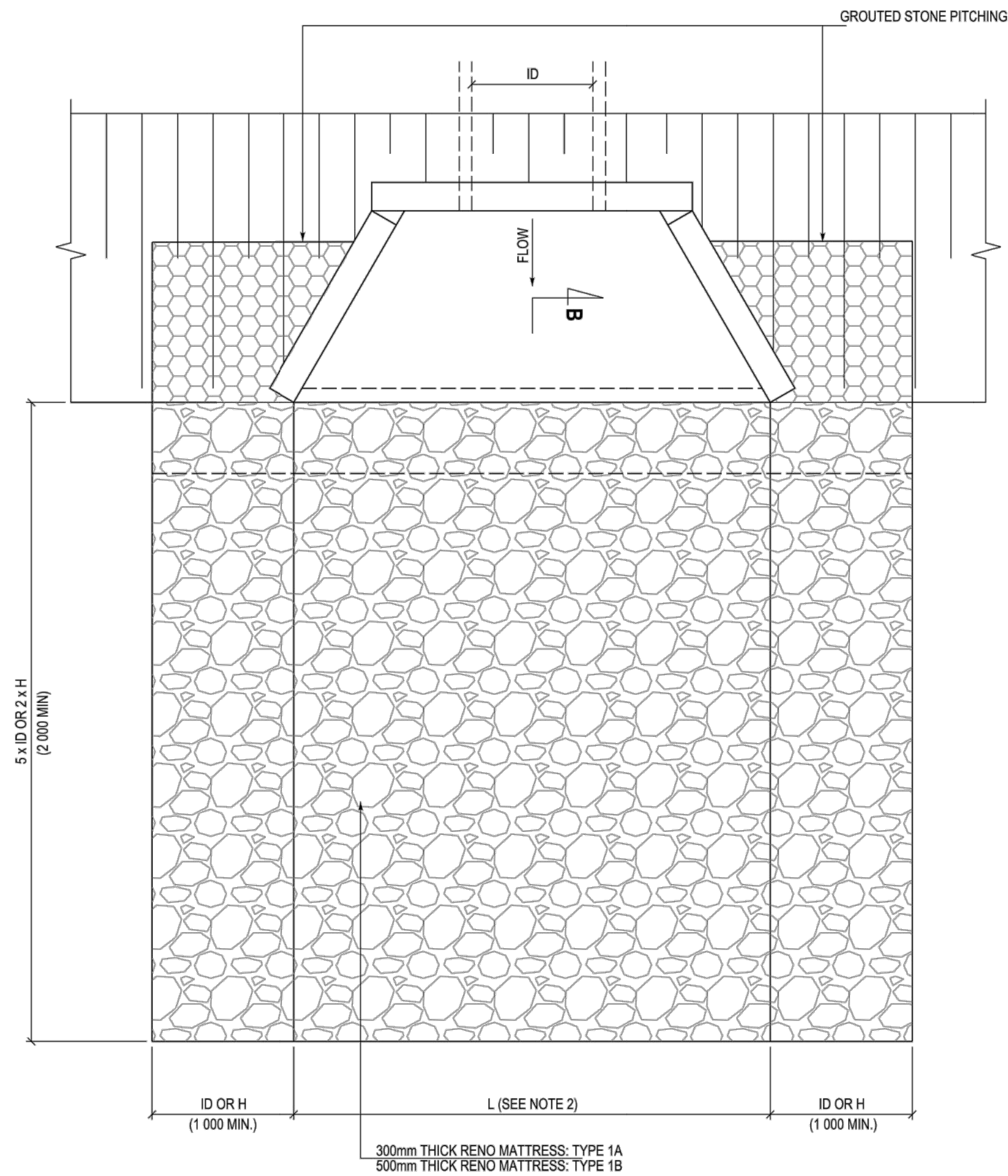
- NOTE**
- GABION BOXES AND RENO MATTRESSES (MACCAFERRI SA OR SIMILAR APPROVED) DIMENSIONS, SPECIFICATIONS AND ASSEMBLY DETAILS AS PER MANUFACTURERS REQUIREMENTS.
  - FOR DIMENSION "L" REFER TO TYPICAL DRAWING: TYPE 1 INLET AND - OUTLET DIMENSIONS (SHEET 1 OF 2)
  - CONVENTIONAL BERM TO BE PROVIDED DOWNSTREAM OF CULVERT INLET.



SECTION B-B



FRONT VIEW



PLAN

TYPE 1A AND 1B OUTLETS

SCALE 1:25

FOR TENDER

CLIENT:



54 Relief Street  
Mokopane  
0801

TEL: (015) 491 9600  
FAX: (015) 491 9038

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 \_\_\_\_\_

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

REVISIONS

DRAWN: ML. MATHEGA	CHECKED: S. SITHOLE	DESIGNED: A. JUBA
SCALES: AS SHOWN	DATE: SEPTEMBER 2020	
DRAWING TITLE: MOLEKANE VILLAGE; STANDARD DETAILS, SHEET 6 OF 7		
SIZE: A0	PROJECT No.	
REV No. A	DRAWING No. ROMH-042-07-06-06	

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