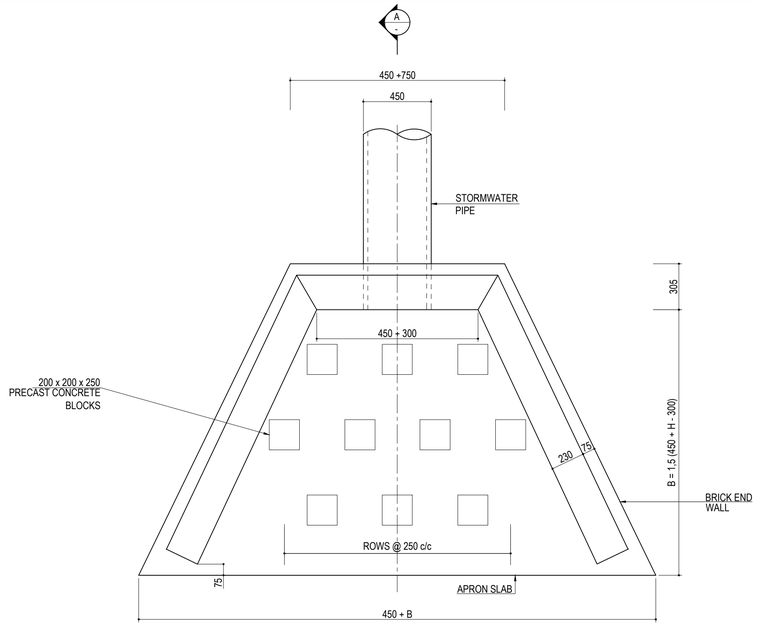
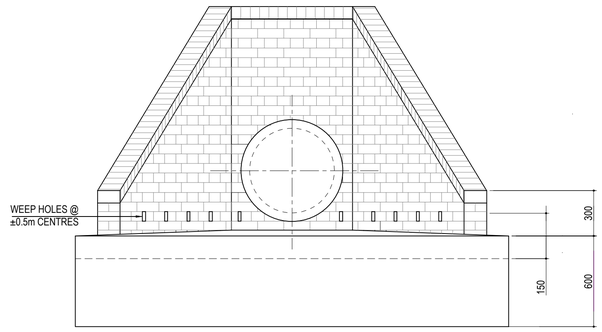
NOTES

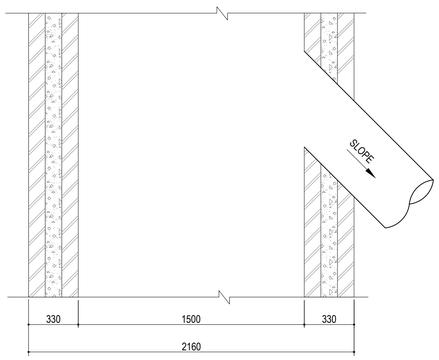
1. THE MATERIAL FOR A DEPTH OF 150mm UNDER THE APRON SLAB MUST BE COMPACTED TO A MINIMUM DENSITY OF 90 % OF THE MOD. AASHTO DENSITY.
2. ALL CONCRETE TO BE CLASS 20/19.
3. ENERGY BREAKERS MUST BE PROVIDED WHEN REQUIRED BY THE ENGINEER.
4. THIS OUTLET STRUCTURE ONLY TO BE USED WHEN PIPE SIZE IS LESS THAN 600 mm Ø.
5. ALL BRICKS TO BE OF QUALITY FBSE30 TO SANS 227-2007 WITH WATER ABSORPTION <14% AND EFFLORESCENCE <10.
6. ALL BRICKWORK TO BE IN ENGLISH BOND.
7. NO PLASTERING OF BRICKWORK WILL BE ALLOWED.
8. THE LOWER PORTION OF ANY BRICKWORK GREATER THAN 1m IN HEIGHT SHALL BE INCREASED TO 345mm TO A MAX. OVERALL HEIGHT OF 1.75m.
9. BRICK SAMPLES SHALL BE SUBMITTED FOR TESTING.
10. IN TERMS OF THE NATIONAL WATER ACT, 36 OF 1998, A RATE OF DISCHARGE FROM AN OUTLET STRUCTURE SHALL NOT EXCEED 1m/SEC AND SHALL NOT BE GREATER THAN 100mm IN DEPTH. IF DESIGN INDICATIONS ARE THAT THESE FIGURES WILL BE EXCEEDED, ADDITIONAL ENERGY DISSIPATION MEASURES WILL BE REQUIRED.
11. REFER TO DWGS JRA-SD-SW-081 & 082 FOR FURTHER INFORMATION.



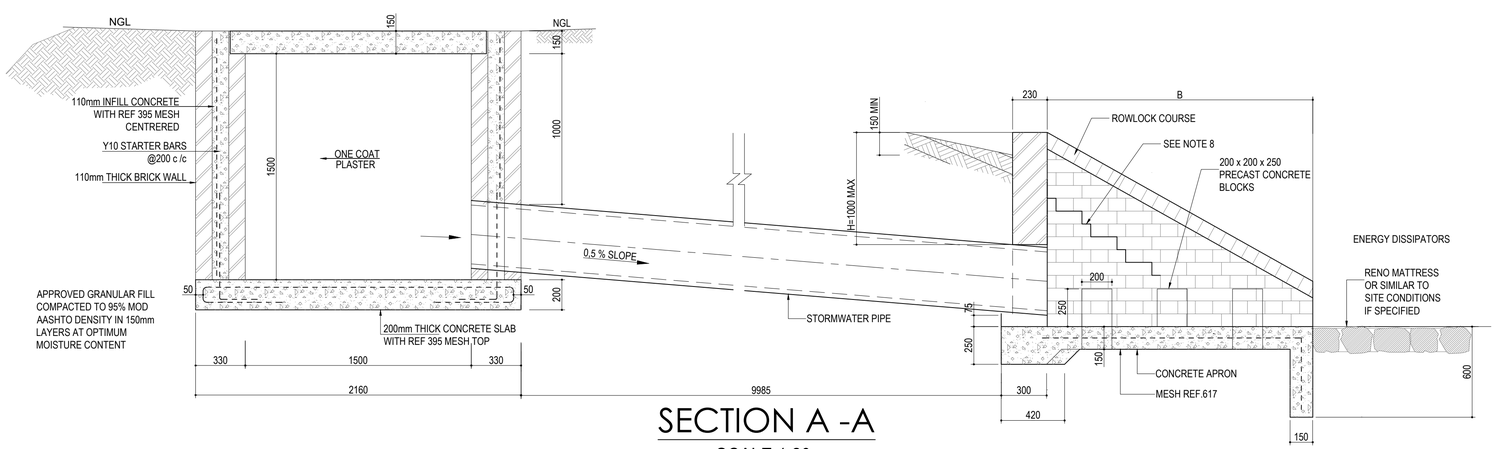
OUTLET PLAN
SCALE 1:20



FRONT ELEVATION
SCALE 1:20



PLANS (COVER NOT SHOWN)
SCALE 1:20



SECTION A -A
SCALE 1:20

ISSUED FOR APPROVAL

LEGEND

D	PIPE OUTSIDE DIAMETER
H	HEIGHT OF HEADWALL ABOVE PIPE
B	LENGTH OF APRON SLAB

CURRENT DRAWING ISSUED TO:
CLIENT

CLIENT:
Northern Cape Department of Education

Pvt Bag X5049,
Kimberly, 8301,
South Africa

IK Nkoane Education House
156 Barkly Road
Homestead, Kimberly
8301

REV	DATE	BY	DESCRIPTION	CHK	APD
00	04-06-2026	L.M	ISSUED FOR TENDER	W.K	N.Z

DRAWING STATUS:
DETAILED DESIGN

Kairos engineers & infrastructure developers

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ARCHITECT:
R.Kakono PrArch 48791029

PROJECT:
PROJECT: Rehabilitation and Construction of Additional Block Classrooms at Hoerskool Adamantia High School, in Kimberly Northern Cape

TITLE:
ATTENUATION CHANNEL DETAIL

STAND/ERF No.: ERF ...

SCALE @ A1:	CHECKED:	APPROVED:
1:50	W.K	W.K
DRAWN:	DESIGNED:	DATE:
L.M	N.Z	04/06/2026

PROJECT No:	DRAWING No:	REV:
K250022	K250022-CIV-006	00

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