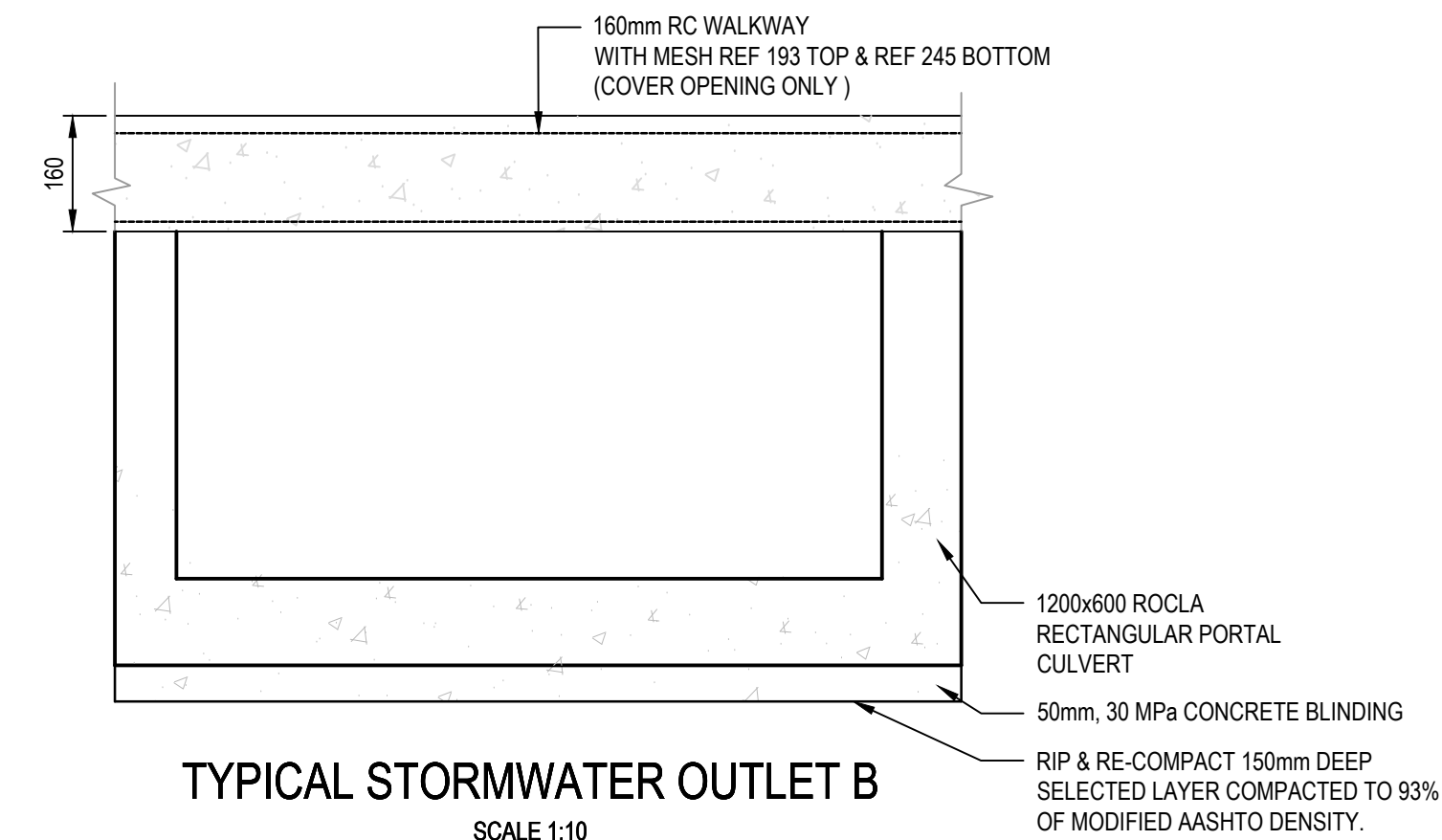
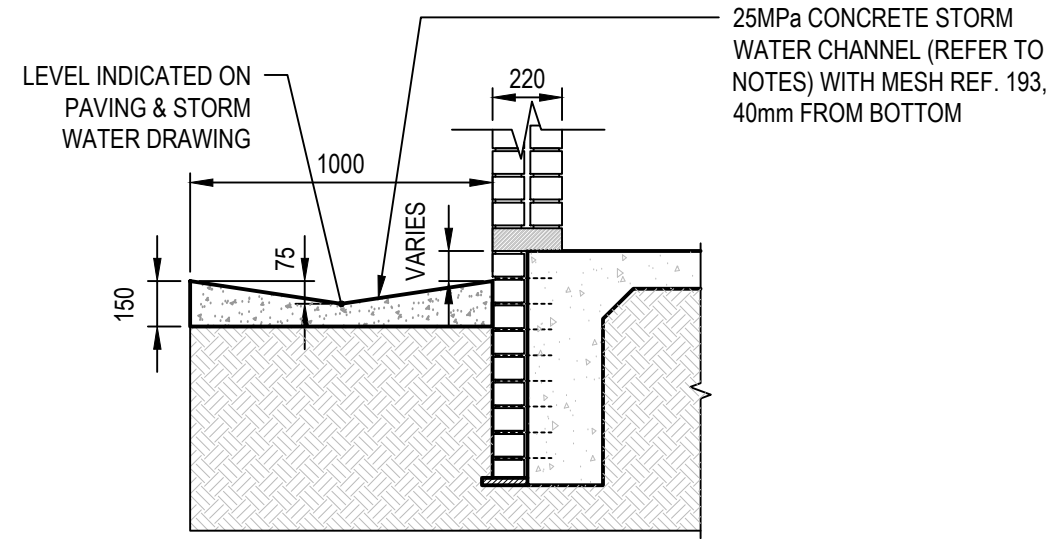


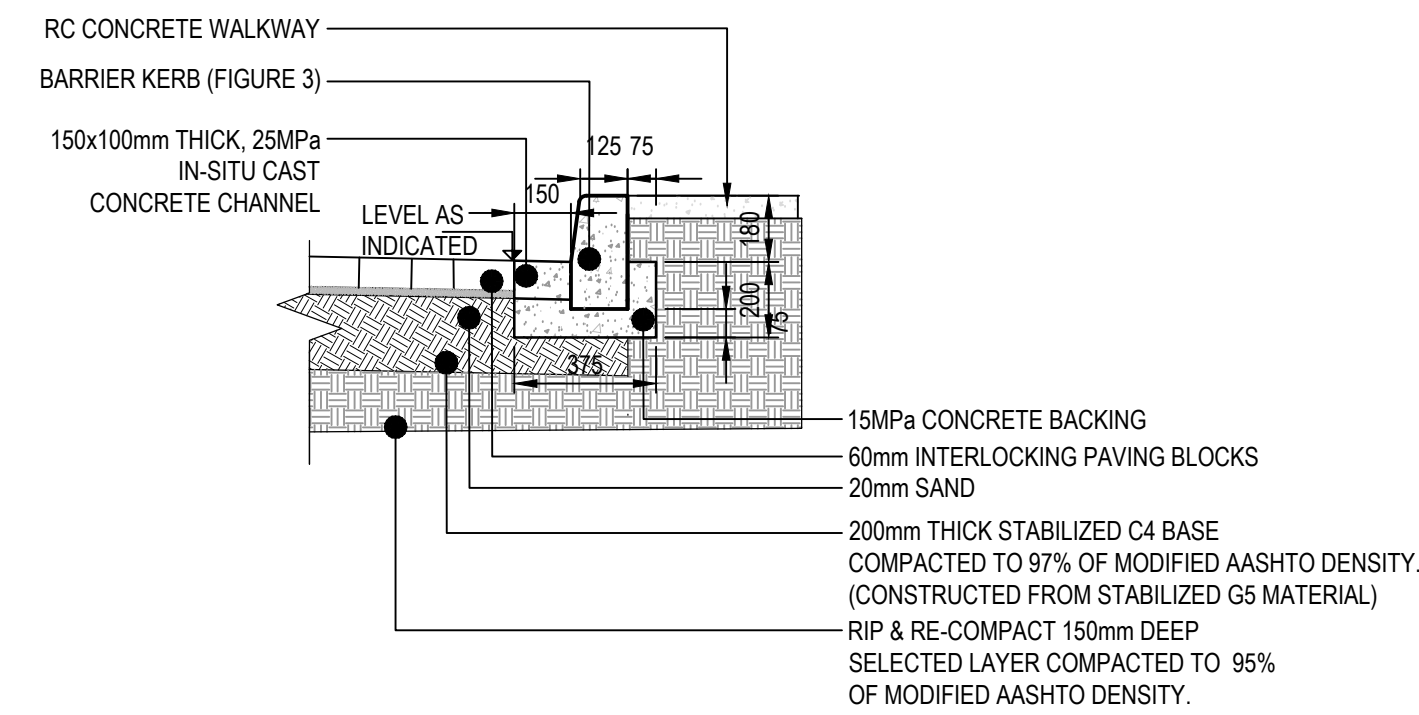
TYPICAL STORMWATER OUTLET A
SCALE 1:10



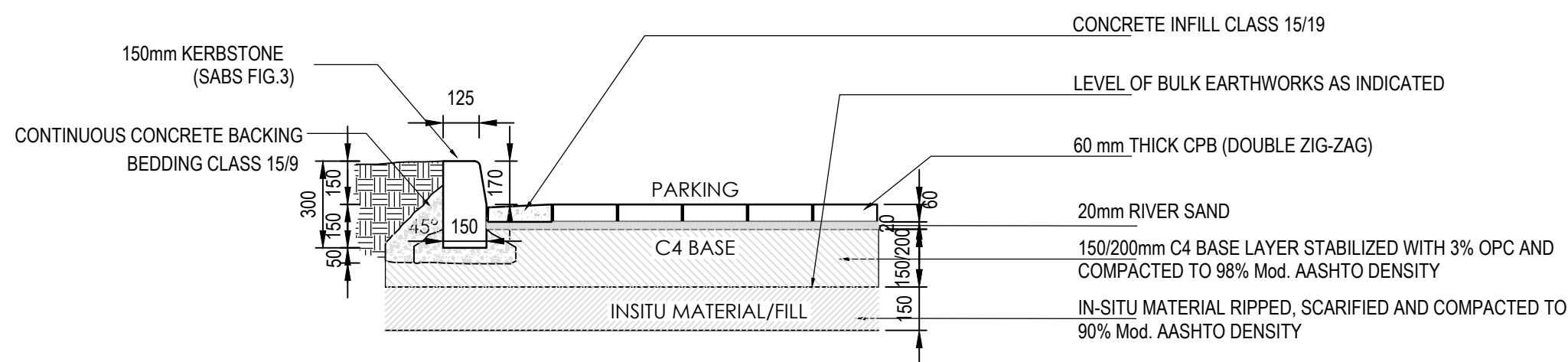
TYPICAL STORMWATER OUTLET B
SCALE 1:10



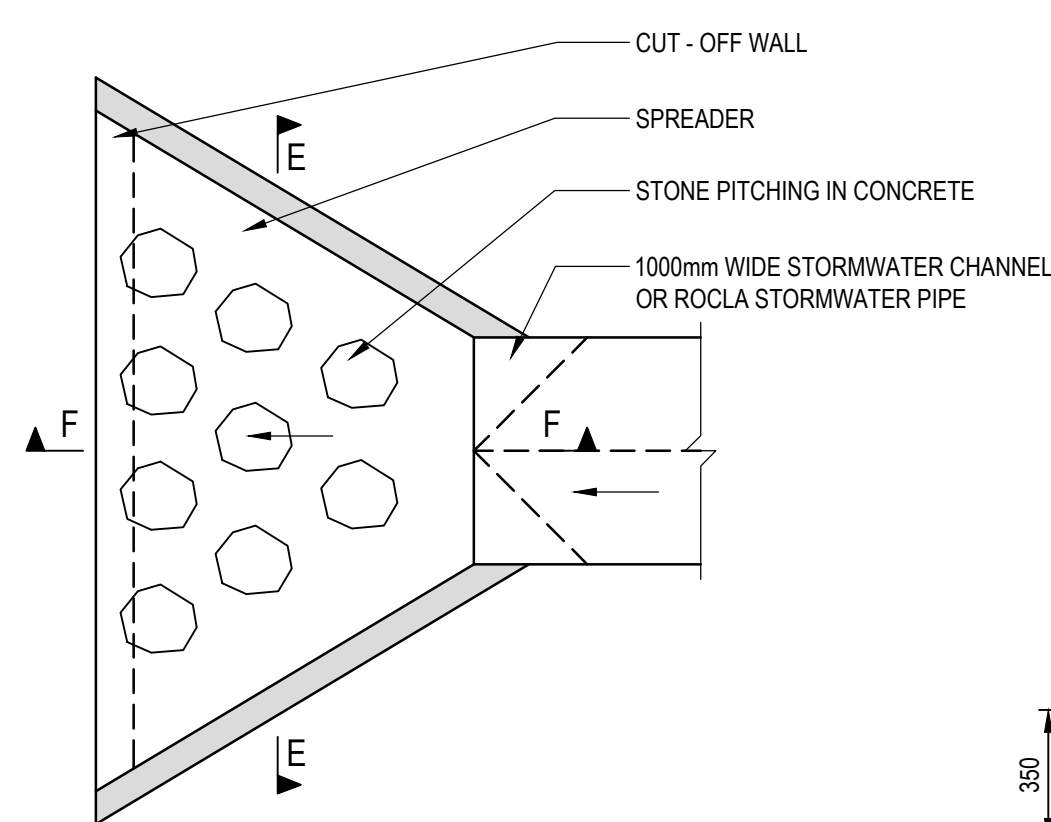
TYPICAL SECTION THROUGH RAFT & STORM WATER CHANNEL
SCALE 1:25



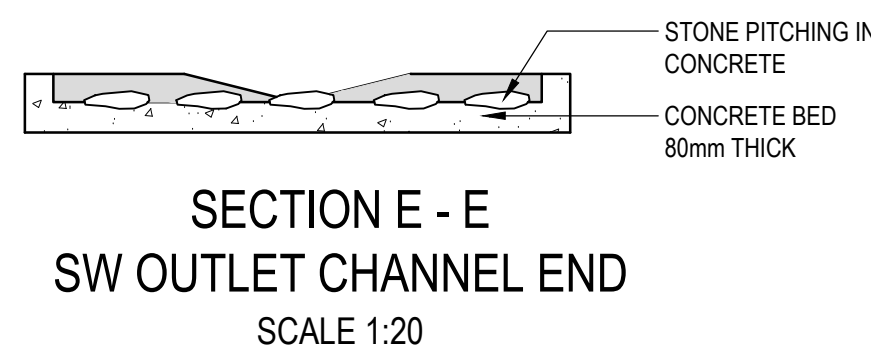
TYPICAL BARRIER KERB (FIG. 3) & PARKING CROSS SECTION
SCALE 1:20



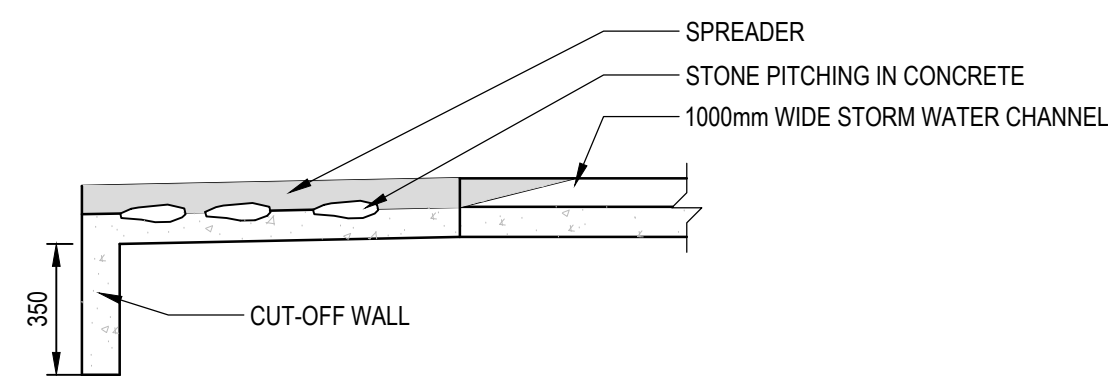
TYPICAL SECTION OF PAVED AREAS
SCALE 1:20



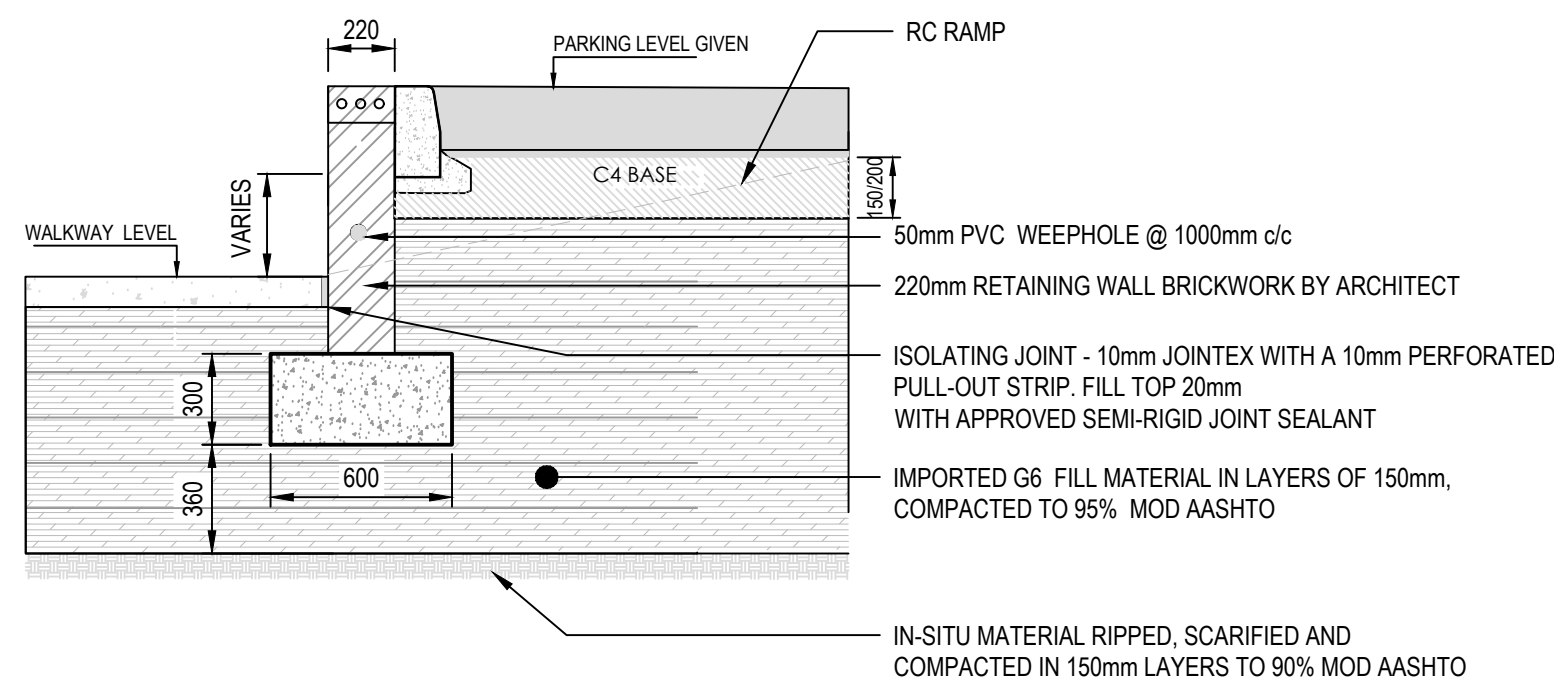
DETAILS OF STORM WATER OUTLET AT CHANNEL ENDS
SCALE 1:20



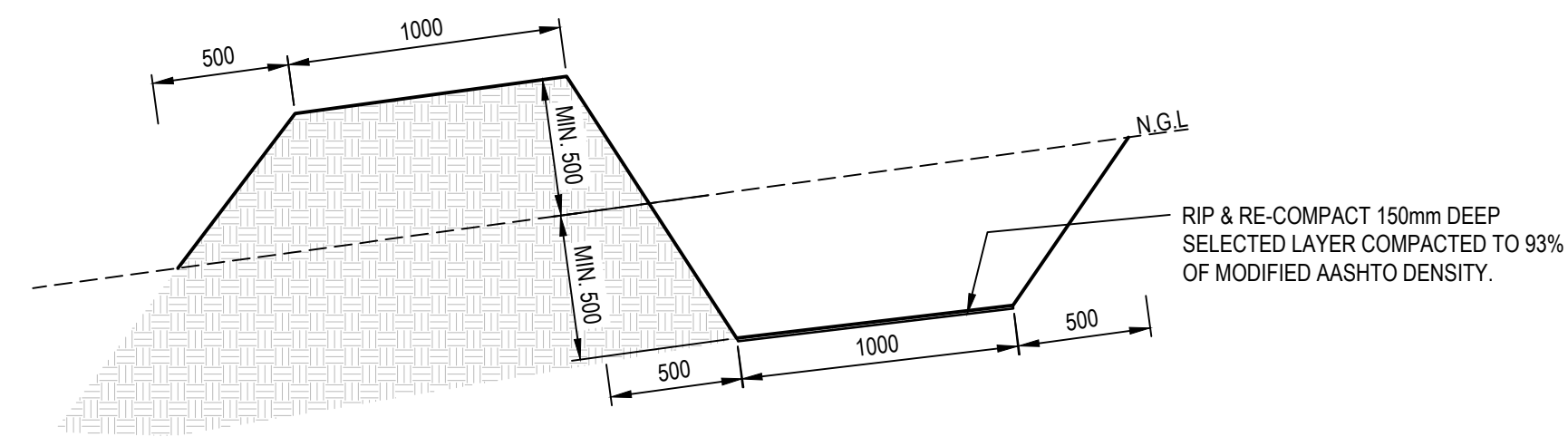
SECTION E - E SW OUTLET CHANNEL END
SCALE 1:20



SECTION F - F SW OUTLET CHANNEL END
SCALE 1:20



SECTION A-A
SCALE 1:25



BARRIER BERM SECTION AND DETAIL
SCALE 1:25

NB : - ALL LEVELS TO BE CONFIRMED ON SITE BEFORE CONSTRUCTION
- ALL DISTANCES TO BE CONFIRMED ON SITE BEFORE CONSTRUCTION
- REFER TO ARCHITECT'S SITE LAYOUT FOR PARKING RADIIUSES

GENERAL NOTES

- 1) C4: G6 NATURAL GRAVEL STABILIZED WITH 3% OPC AND COMPACTED TO 97% MOD AASHTO.
- 2) ALL LEVELS INDICATE TOP OF CONCRETE LEVELS OR TOP OF PAVING.
- 3) ALL DIMENSIONS OF BUILDINGS PER RELEVANT TYPICAL DRAWINGS. INDICATED WALKWAY F.F.L IS AT HIGHEST POINT WITH 1% SLOPE TOWARDS CHANNELS.
- 4) ALL KERBS TO BE FIG. 3

STORMWATER CHANNELS:

- 1) 1000mm WIDE CONCRETE VEE-CHANNELS AS PER DETAILS. (CONCRETE CLASS 25/19).
- 2) LENGTH OF CHANNELS NOT EXCEEDING 3.0m AND CAST ALTERNATELY WITH MOVEMENT JOINTS BETWEEN PANELS.
- 3) ALL OULETS TO STORMWATER CHANNELS SHOULD BE DAYLIGHTED, WHERE APPLICABLE.
- 4) SIDE SLOPES TO BE SHAPED ACCORDINGLY.
- 5) MIN. SLOPE = 0.8% AND MAXIMUM OF 3%

PAVING BLOCKS

- 1) GREY 60mm INTERLOCKING CONCRETE PAVING BLOCKS SHALL BE USED.
- 2) JOINT WIDTHS SHALL BE AS UNIFORM AS POSSIBLE AND AVERAGE 3mm OVER 20 PAVERS.
- 3) A 1:6 DRY CEMENT/SAND MIX SHALL BE SPREAD OVER THE PAVING BLOCKS, BRUSHED AND THEN VIBRATED FOR JOINTING AND MOISTURE CONTROL.
- 4) ANY SPACE, OF WHICH THE SIZE IS LESS THAN 25% OF THE SIZE OF AN UNBROKEN BLOCK OR BRICK, SHALL BE FILLED WITH 35MPa CONCRETE.
- 5) THE CONTRACTOR SHALL ARRANGE FOR THE TESTING OF PAVING BLOCK UNITS AS SPECIFIED BY THE ENGINEER AT AN APPROVED LABORATORY.

FOR TENDER



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Department:
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CLIENT

DATE

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ARCHITECT

DATE

REFERENCE DRAWINGS		No.
DRG. No.	DESCRIPTION	

REVISIONS		DATE
DRG. No.	DESCRIPTION	

DRG. SIZE	SCALE	DATE DRAWN
A1	AS SHOWN	2021/05/19
DESIGNED	CHECKED	
V NAIDOO	S MARAIS	
DRAWN	CHECKED	
V NAIDOO	S MARAIS	

PROJECT

FSDoE
3 x BLOEMFONTEIN SCHOOLS

DRAWING DISCRPTION

STORMWATER
TYPICAL DETAILS
SHEET 1 of 2

PROJECT NO.	PHASE	DISCIPLINE	STAGE
B S 0 3 3	A	C E	P

DOC TYPE	DRAWING NUMBER				REVISION
DRG	TYPE	LEVEL	NUMBER	L/O	
	B	S	4	0	1
	A				
					A