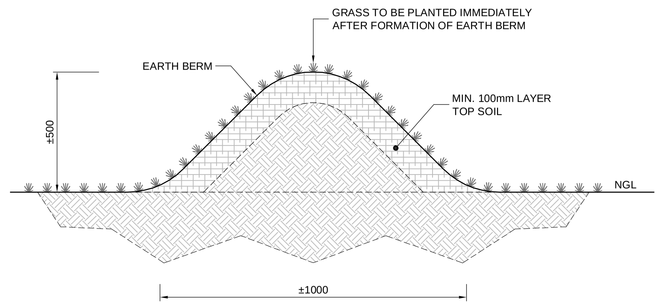
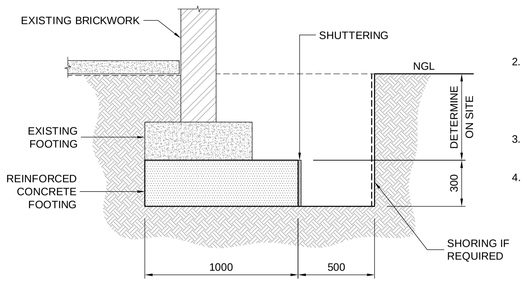


EARTH BERM DETAIL

SCALE 1:10

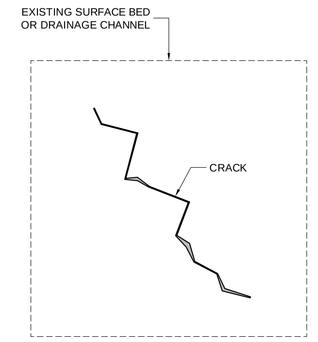


TYPICAL UNDERPINNING DETAIL

SCALE 1:20

UNDERPINNING NOTES:

1. THIS INVOLVES AN INITIAL EXCAVATION OF A NARROW PIT ALONGSIDE THE EXISTING FOUNDATION IN LIMITED LENGTHS (PREFERABLY 1000mm LONG). THIS PIT MUST BE EXCAVATED DOWN TO THE ANTICIPATED NEW FOUNDING LEVEL AND SHOULD BE JUST LARGE ENOUGH TO ALLOW REASONABLE WORKING SPACE.
2. A NARROW TRENCH IS THEN EXCAVATED FROM THE PIT EXTENDING UNDER THE FOUNDATION AND DOWN TO THE FOUNDING STRATUM. THE BASE OF THE EXCAVATION IS THEN CLEANED UP AND A REINFORCED CONCRETE FOOTING CAST.
3. EXCAVATION SHOULD START AT CORNERS AND THEN WORK INWARDS.
4. THE FINAL OPERATION IS THE BACKFILLING OF THE PIT

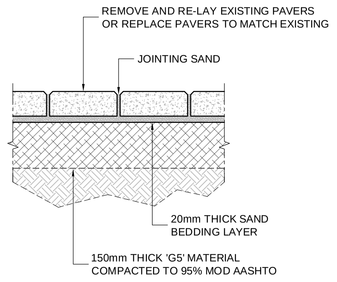


CRACK REPAIR NOTES:

1. CHISEL CRACK OPEN TO WIDEN BASE AND FORM A 'V' GROOVE.
2. REMOVE ALL DEBRIS FROM CRACK USING A WIRE BRUSH OR PRESSURE WASHER AS REQUIRED.
3. CLEAN AND DRY SURFACE AROUND CRACK.
4. FILL CRACK WITH AN APPROVED NON SHRINK GROUT ENSURING THAT GROUT FILLS DEEP INTO CRACK.
5. BRUSH AND SMOOTH THE SURFACE TO MATCH TEXTURE OF EXISTING SURFACE.
6. LET GROUT CURE AS PER MANUFACTURERS SPECIFICATIONS AND INSTRUCTIONS.

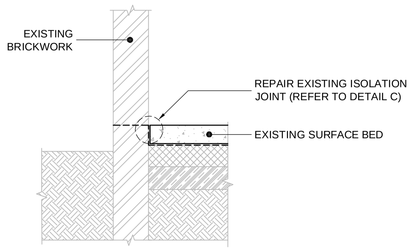
TYPICAL CRACK REPAIR DETAIL SURFACE BED OR DRAIN CHANNEL

SCALE 1:10



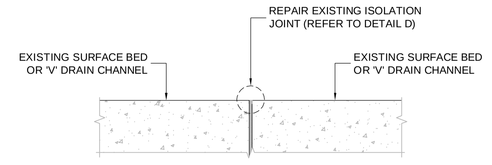
TYPICAL PAVING DETAIL

SCALE 1:10



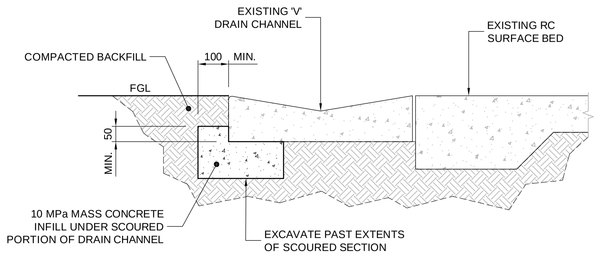
TYPICAL ISOLATION JOINT REPAIR DETAIL SURFACE BED TO BRICKWORK

SCALE 1:20



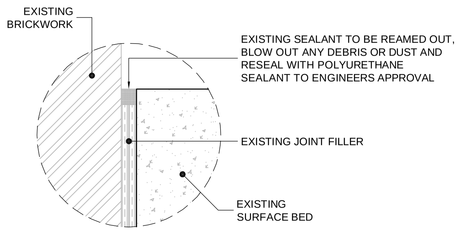
TYPICAL EXPANSION JOINT REPAIR DETAIL SURFACE BED OR DRAINAGE CHANNEL

SCALE 1:10



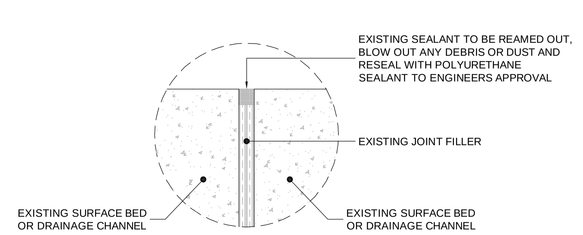
TYPICAL 'V' DRAIN SCOUR DETAIL

SCALE 1:10



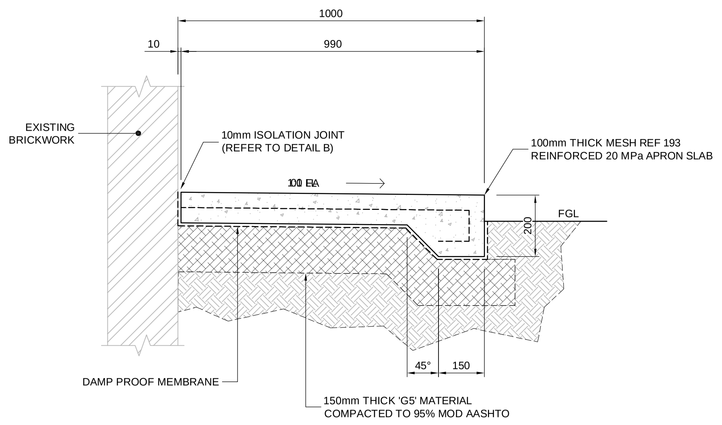
DETAIL C

SCALE 1:2



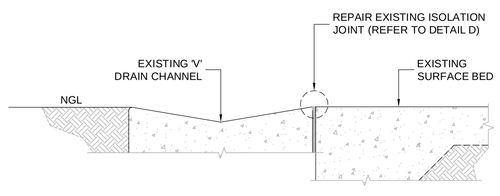
DETAIL D

SCALE 1:2



APRON SLAB DETAIL

SCALE 1:10



TYPICAL ISOLATION JOINT REPAIR DETAIL SURFACE BED TO DRAINAGE CHANNEL

SCALE 1:10

THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTS LAYOUTS.

NOTES:

1. ALL WORK IN ACCORDANCE WITH THE RELEVANT SECTIONS OF SANS 1200 AND AS REQUIRED BY THE LOCAL AUTHORITIES OR STATUTORY BODIES.
2. WHERE REFERENCE IS MADE TO THE SOUTH AFRICAN STANDARD SPECIFICATIONS, THE CURRENT EDITION SHALL BE USED.
3. REFER TO ARCHITECTS LAYOUTS FOR SETTING OUT INFORMATION.
4. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. ONLY WRITTEN DIMENSIONS AND LEVELS SHALL BE USED.
6. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWINGS FROM THE RELEVANT DISCIPLINES, ARCHITECT, CIVIL, ELECTRICAL AND MECHANICAL.
7. THE CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST 24 HOURS ADVANCE NOTICE FOR INSPECTIONS.
8. THE ENGINEER SHALL BE NOTIFIED WITHOUT DELAY SHOULD THERE BE ANY DISCREPANCIES BETWEEN DRAWINGS, DETAILS AND SPECIFICATIONS.
9. FOUNDATION EXCAVATIONS TO BE INSPECTED AND APPROVED BY THE STRUCTURAL / GEOTECHNICAL ENGINEER BEFORE ANY BLINDING IS CAST.
10. REINFORCING TO BE CHECKED AND APPROVED BY THE ENGINEER PRIOR TO CASTING CONCRETE.
11. ALL DUCTS OR RECESSES TO BE APPROVED BY THE ENGINEER.
12. POSITION OF CONSTRUCTION JOINTS TO BE APPROVED BY THE ENGINEER.
13. CONCRETE STRENGTHS @ 28 DAYS:

BLINDING	:	15 MPa
FOUNDATIONS	:	25 MPa
COLUMNS	:	30 MPa
SURFACE BEDS	:	25 MPa
ROOF SLABS	:	30 MPa
BEAMS	:	30 MPa

14. COVER TO STEEL REINFORCEMENT: U.O.N.

FOUNDATIONS	:	50 mm
SLABS	:	30 mm
BEAMS	:	30 mm
COLUMNS	:	30 mm

15. ALL SHARP EXPOSED EDGES TO BE CHAMFERED 20 x 20mm.
16. ALL WATERPROOFING TO ARCHITECTS DETAIL.
17. SAW CUTS ARE TO BE MADE AS SOON AS THE CONCRETE IS FIRM ENOUGH NOT TO BE TORN OR DAMAGED BY THE CUTTING BLADE (USUALLY BETWEEN 24 TO 48 HOURS AFTER CASTING).
18. ALL STEELWORK TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH 'SANS 2001-CS1 & SANS 1921-3'.
19. ALL STEELWORK TO BE '316 STAINLESS STEEL' UNLESS OTHERWISE NOTED.
20. A COMPLETE SET OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE FABRICATION COMMENCES.
21. ALL WELDS TO BE CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED AND IN STRICT ACCORDANCE WITH SANS AND ANSI/AWS STANDARDS.

REV	DATE	DRAWN	CHECKED	DESCRIPTION
00	2023-02-17	LM	KT	ISSUED FOR INFORMATION

PROJECT

DBSA SCHOOLS FS
RESEAMOHETSE PRIMARY SCHOOL
FREE STATE

DRAWING

TYPICAL DETAILS (SHEET 2)

	RESPONSIBLE PERSON	DATE
DESIGNED	MG	2023-02-16
DRAWN	LM	2023-02-16
CHECKED	KT	2023-02-17
APPROVED	MANI GOVENDER [PR ENG - 20080241]	2023-02-17
SCALE	AS SHOWN	SHEET SIZE: A0

PROJECT NUMBER	DRAWING NUMBER	STATUS	REVISION
SAB1777	RPS-184-P	00	

DRAWING STATUS CODES :

R = REPORT
D = DRAFT
T = TENDER
P = PRELIMINARY
C = CONSTRUCTION
A = AS BUILT

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