

NOTES:

- ALL WORK IN ACCORDANCE WITH THE RELEVANT NATIONAL AND INTERNATIONAL STANDARDS, THE LOCAL AUTHORITIES OR STATUTORY BODIES.
- WHERE REFERENCE IS MADE TO THE SOUTH AFRICAN STANDARDS SPECIFICATIONS, THE CURRENT EDITION SHALL BE USED.
- REFER TO ARCHITECTS LAYOUTS FOR SETTING OUT INFORMATION.
- ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY.
- ONLY V WRITTEN DIMENSIONS AND LEVELS SHALL BE USED.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWINGS FROM THE RELEVANT DISCIPLINES, ARCHITECT, CIVIL, ELECTRICAL AND MECHANICAL.
- THE CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST 24 HOURS ADVANCE NOTICE FOR INSPECTIONS.
- ENGINEER SHALL BE NOTIFIED WITHOUT DELAY OF ANY DISCREPANCIES OR DEFICIENCIES IN THE DRAWINGS, DETAILS AND SPECIFICATIONS.
- FOUNDATION EXCAVATIONS TO BE INSPECTED AND APPROVED BY THE STRUCTURAL / GEOTECHNICAL ENGINEER BEFORE ANY BLINDING IS CAST.
- REINFORCING TO BE CHECKED AND APPROVED BY THE ENGINEER PRIOR TO CASTING CONCRETE.
- ALL DUCTS OR RECESSES TO BE APPROVED BY THE ENGINEER.
- POSITION OF CONSTRUCTION JOINTS TO BE APPROVED BY THE ENGINEER.
- CONCRETE STRENGTHS @ 28 DAYS:
FOUNDATIONS : 30 MPa
COLUMNS : 30 MPa
ROOF SLABS : 30 MPa
BEAMS : 30 MPa
- COVER TO STEEL REINFORCEMENT: U.O.N.
FOUNDATIONS : 50 mm
COLUMNS : 30 mm
BEAMS : 30 mm
- ALL SHARP EXPOSED EDGES TO BE CHAMFERED 20 x 20mm.
- ALL WATERPROOFING TO ARCHITECT'S DETAIL.
- 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 17 TO 20 HRS OF SET CONCRETE).
- ALL STEELWORK TO BE FABRICATED AND DELIVERED TO SITE IN ACCORDANCE WITH SANS 2007:2018 SANS 1921-3.
- ALL STEELWORK TO BE 316 STAINLESS STEEL, UNLESS OTHERWISE NOTED.
- A COMPLETE SET OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE FABRICATION COMMENCES.
- ALL WELDS TO BE CONTINUOUS FILLET WELDS IN ACCORDANCE WITH SANS AND AWS/AWS STANDARDS.

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21. THE WORKMAN SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.

REV	DATE	BY/APP	CHECKED	DESCRIPTION
01	2023-11-16	MD	MD	ISSUED FOR INFORMATION



PROJECT
DBSA SCHOOLS FS
KGAUHELO PRIMARY SCHOOL
FREE STATE

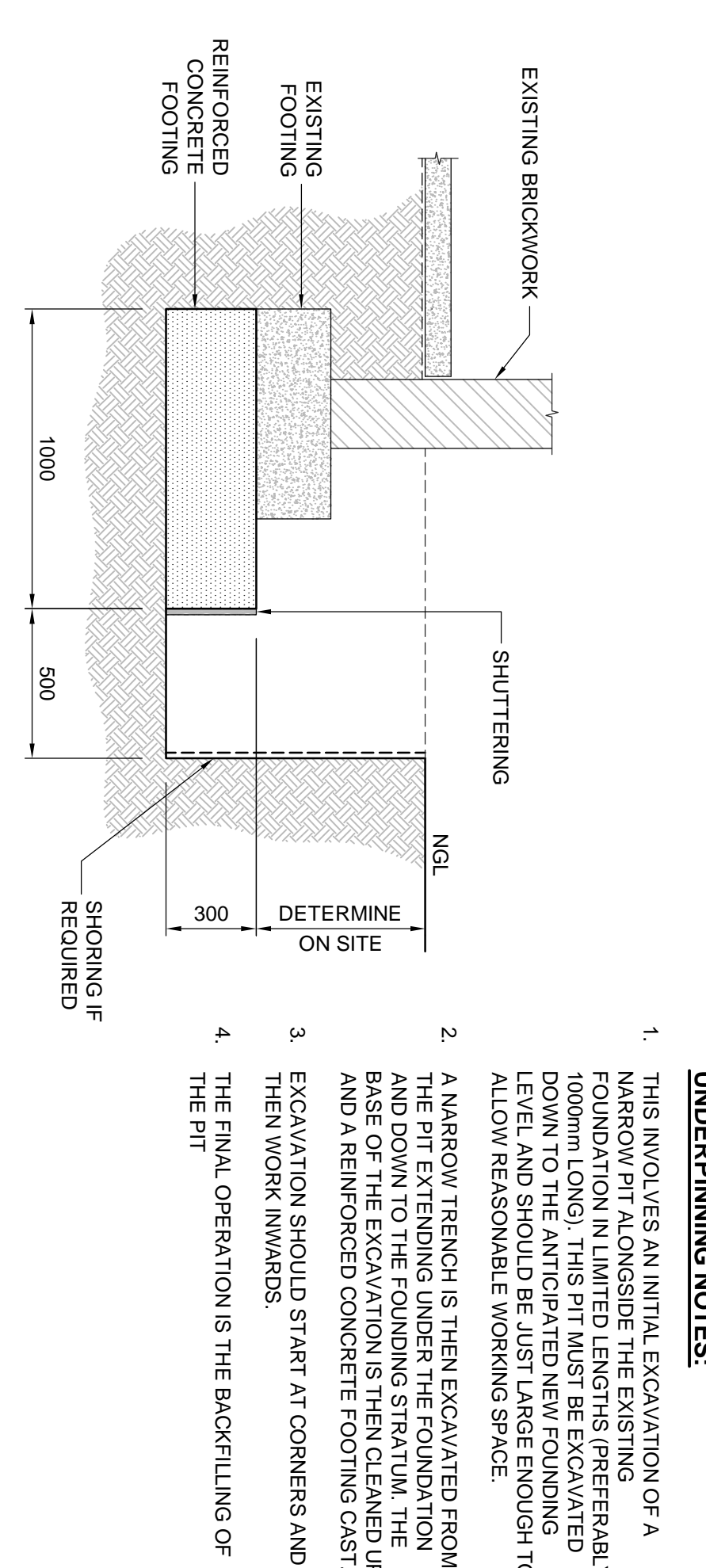
DRAWING
TYPICAL DETAILS (SHEET 1)

	RESPONSIBLE PERSON	DATE
DESIGNED	MG	2022-11-14
DRAWN	MG	2022-11-14
CHECKED	KT	2022-11-16
APPROVED	MAN (OVERSEER (PR. ENG. 2008/04))	2022-11-16
SCALE	AS SHOWN	SHEET SIZE
PROJECT NUMBER	DRAWING NUMBER	STATUS
		REVISION
		NO

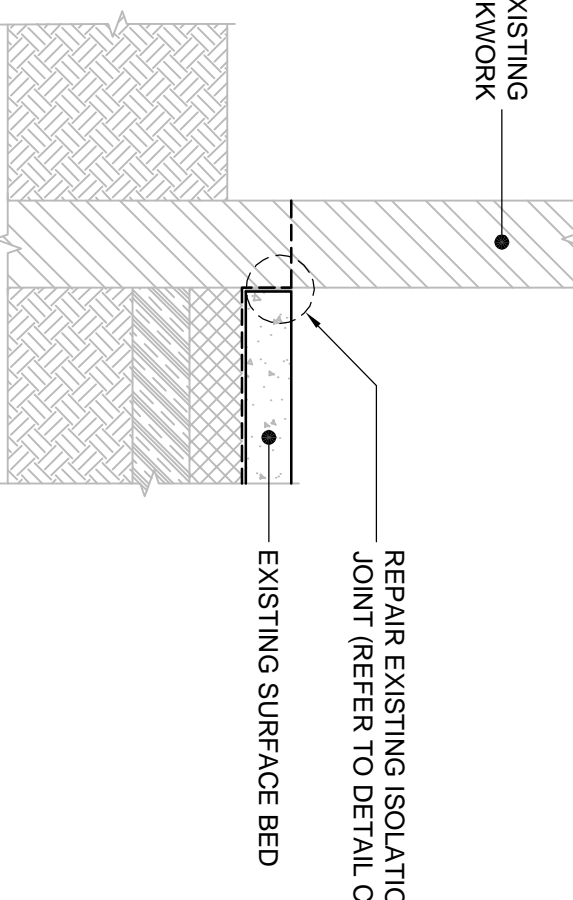
SAB1777/KPS-165-P-00

DRAWING STATUS CODES:
R - REVIEW
D - DRAFT
1 - TENDER
P - PRELIMINARY
C - COMPLETION
A - AS-BUILT

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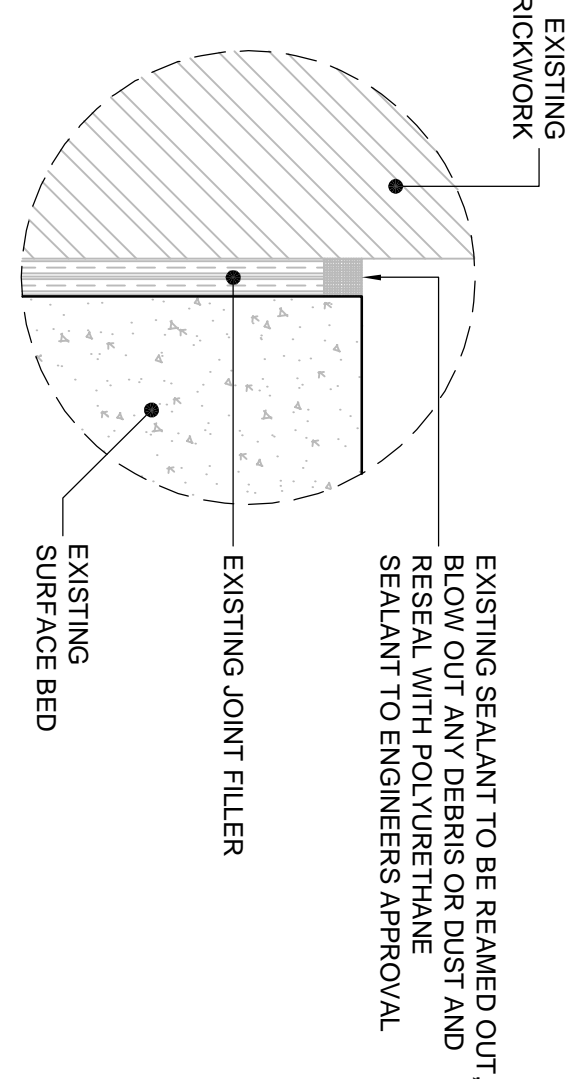


- UNDERPINNING NOTES:**
- THIS INVOLVES AN INITIAL EXCAVATION OF A NARROW PIT ALONGSIDE THE EXISTING FOUNDATION IN LIMITED LENGTHS (PREFERABLY 1.0m TO 1.5m) AND TO A MINIMUM OF 100mm BELOW THE ANTICIPATED NEW FOUNDING LEVEL, AND SHOULD BE JUST LARGE ENOUGH TO ALLOW REASONABLE WORKING SPACE.
 - A NARROW TRENCH IS THEN EXCAVATED FROM THE BASE OF THE EXISTING FOUNDATION, THE BASE OF THE EXCAVATION IS THEN CLEANED UP AND A REINFORCED CONCRETE FOOTING CAST. EXCAVATION SHOULD START AT CORNERS AND THEN WORK INWARDS.
 - THE FINAL OPERATION IS THE BACKFILLING OF THE PIT.



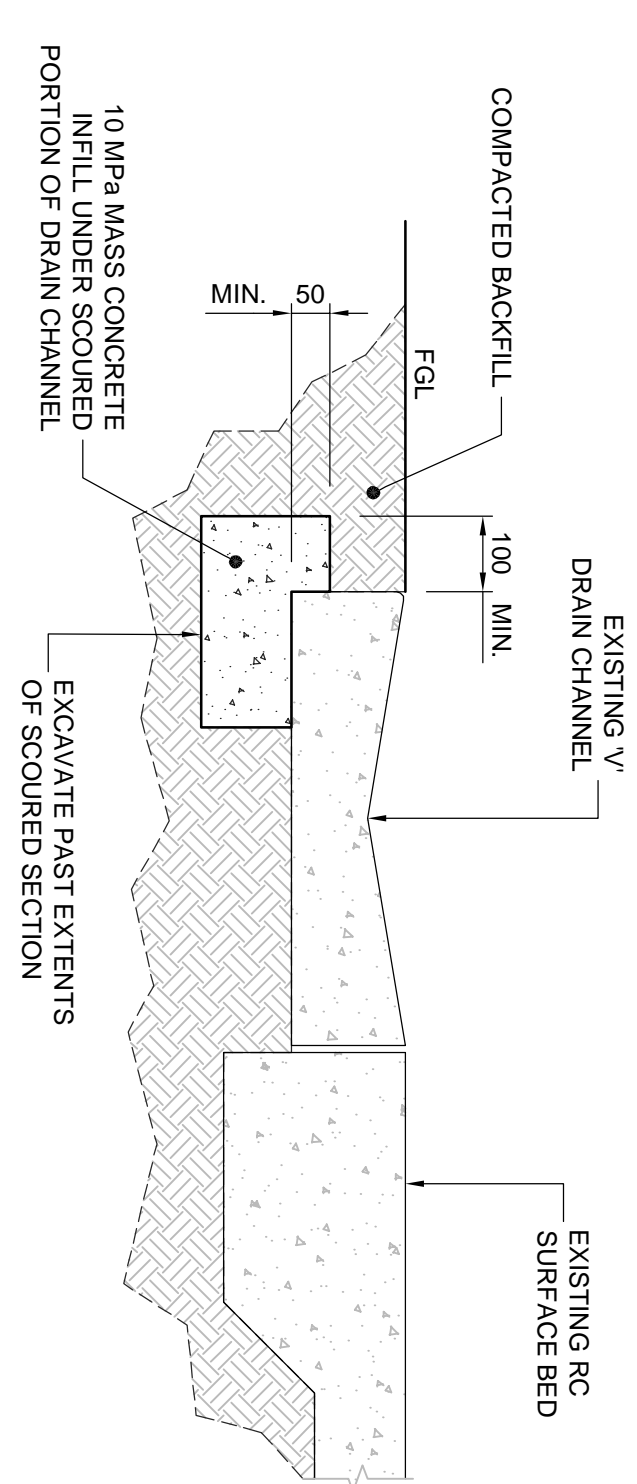
TYPICAL ISOLATION JOINT REPAIR DETAIL
SURFACE BED TO BRICKWORK

SCALE 1:20



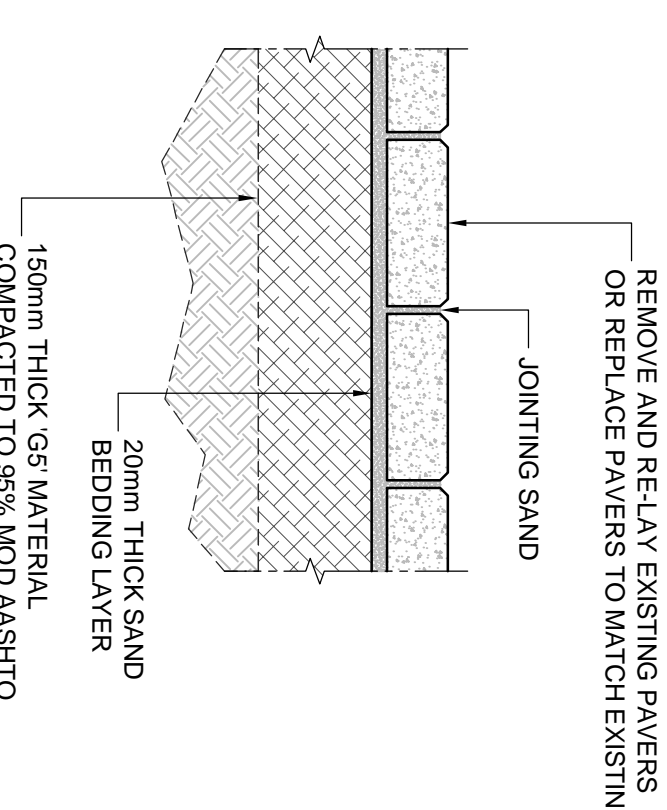
TYPICAL V DRAIN SCOUR DETAIL

SCALE 1:10



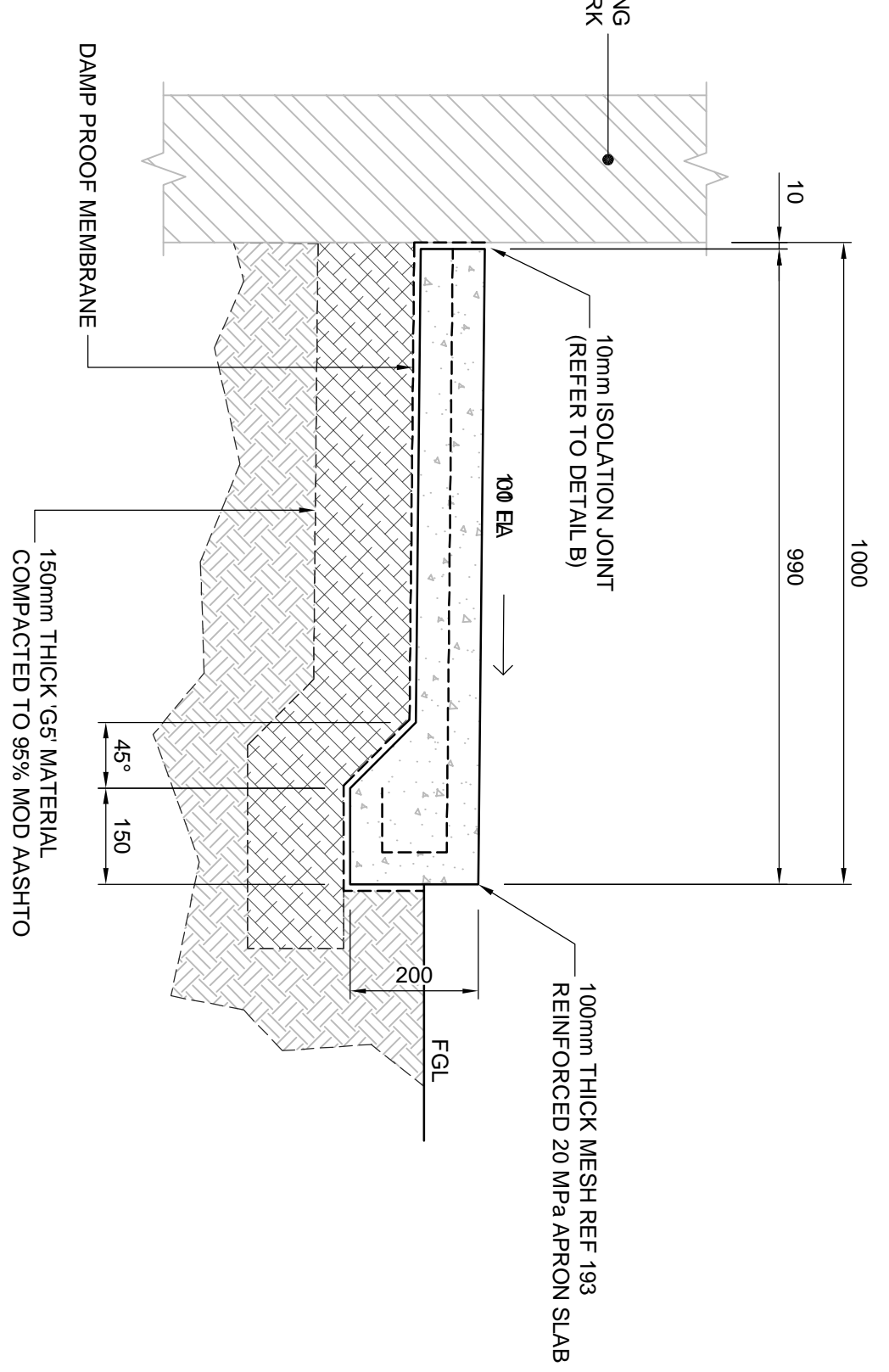
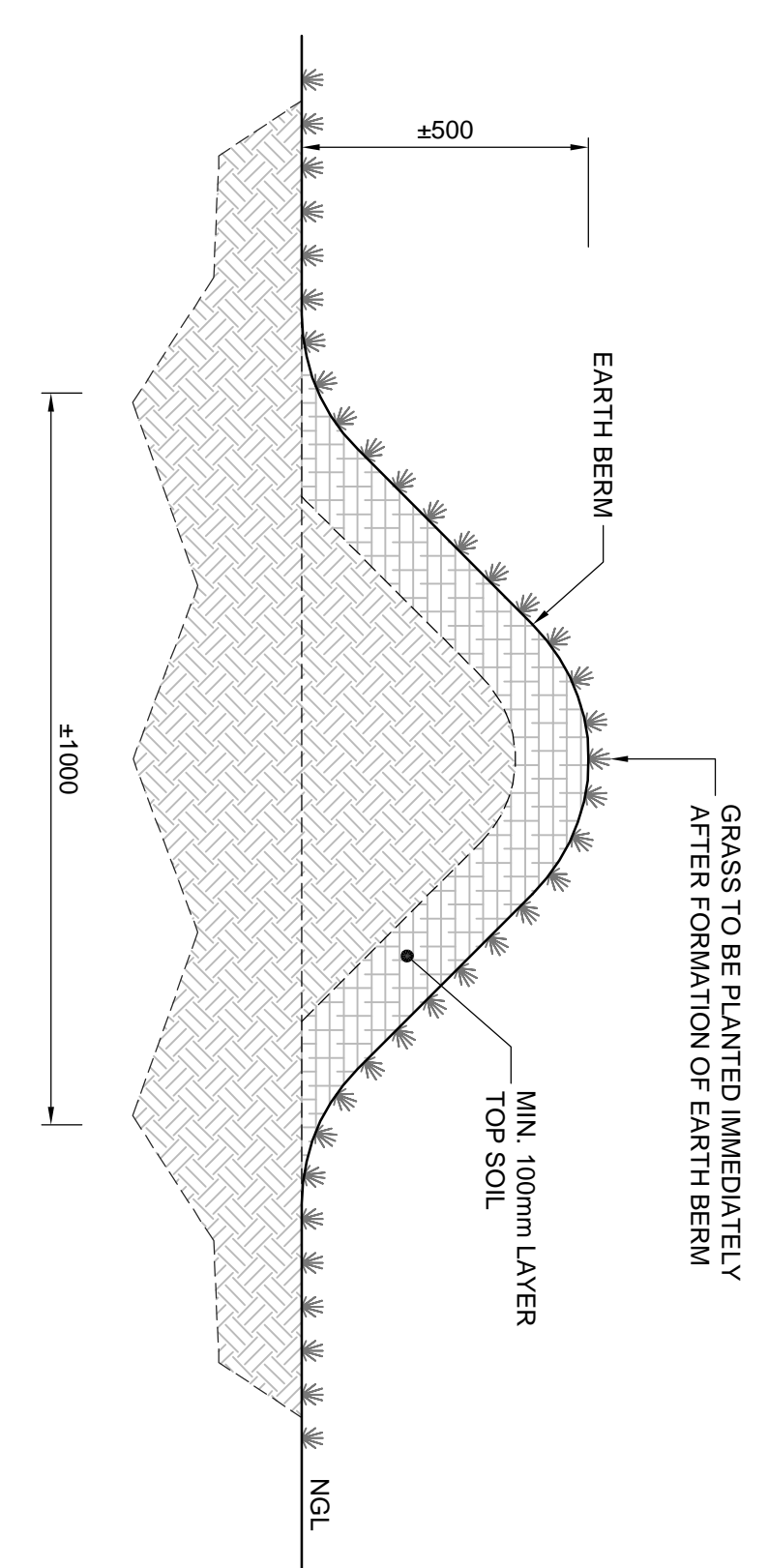
TYPICAL PAVING DETAIL

SCALE 1:10



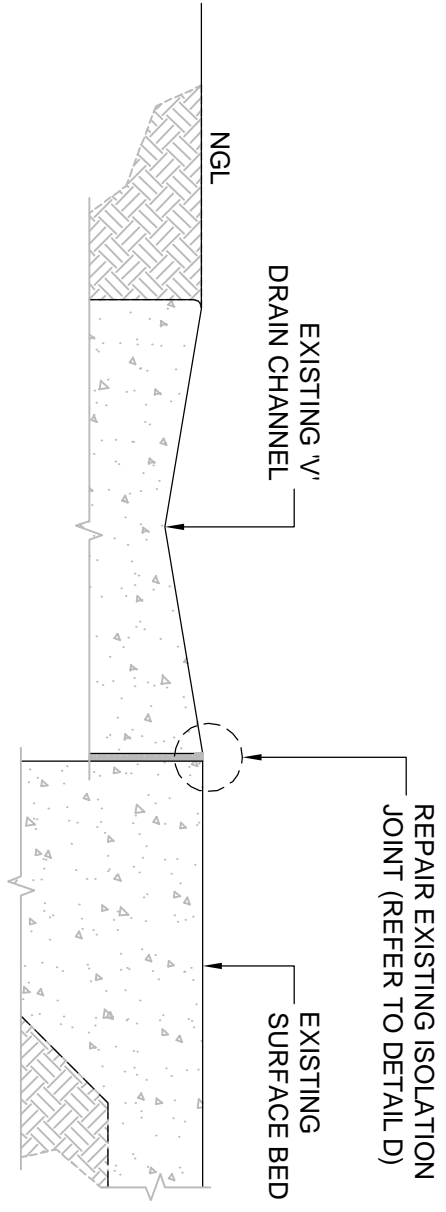
EARTH BERM DETAIL

SCALE 1:10



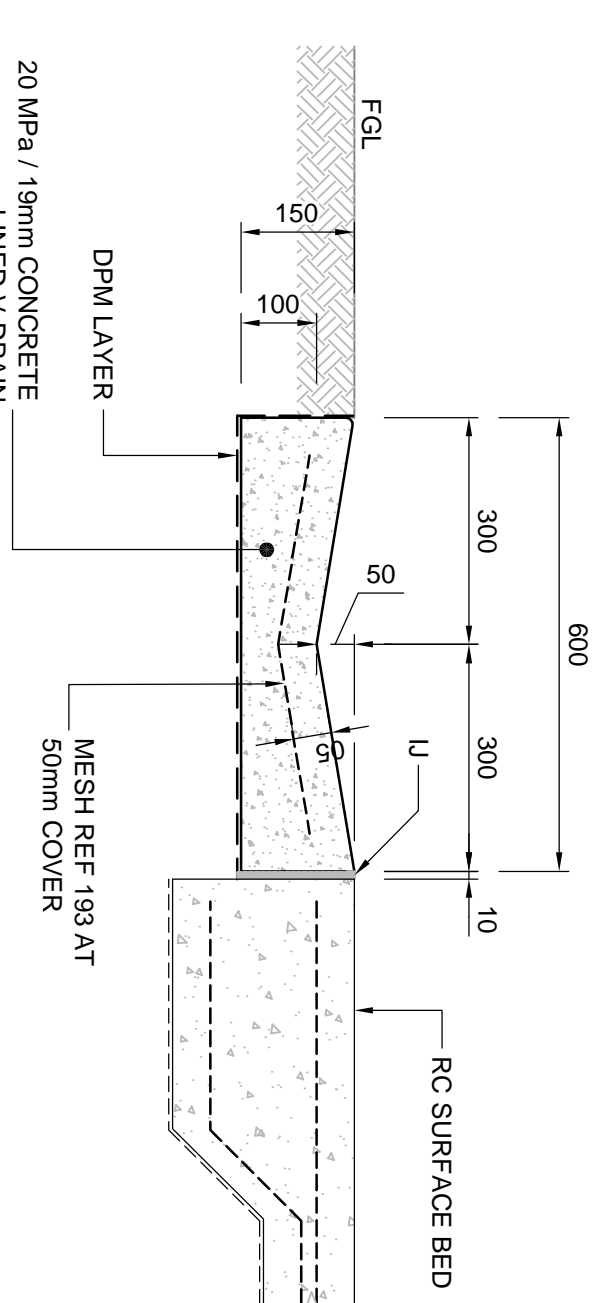
APRON SLAB DETAIL

SCALE 1:10



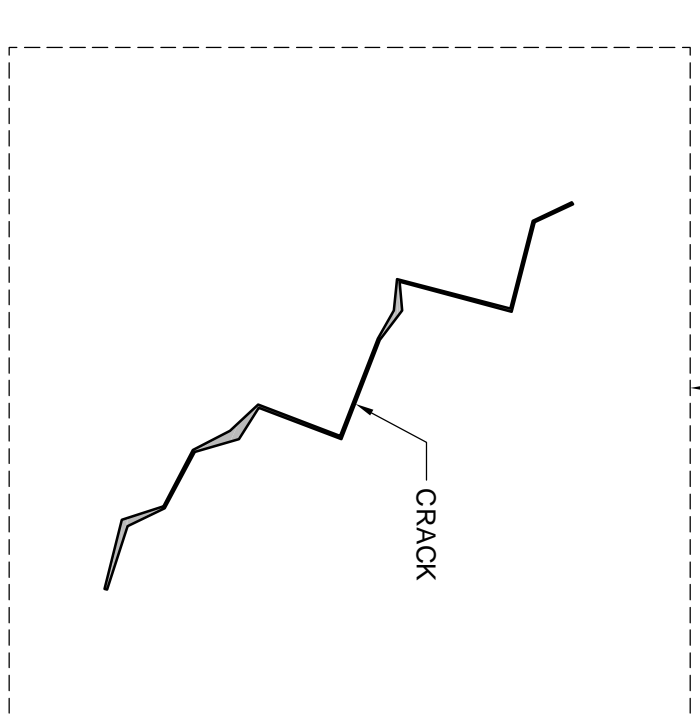
TYPICAL ISOLATION JOINT REPAIR DETAIL
SURFACE BED TO DRAINAGE CHANNEL

SCALE 1:10



600 mm V-DRAIN DETAIL

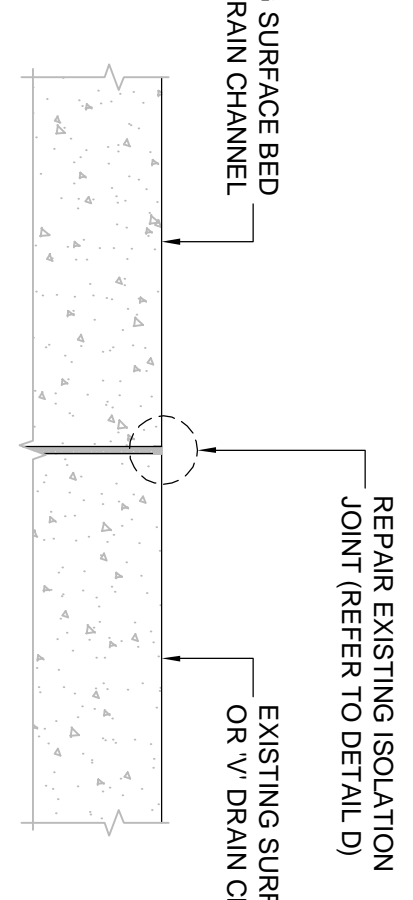
SCALE 1:10



- CRACK REPAIR NOTES:**
- CHISEL CRACK OPEN TO WIDEN BASE AND FORM A V GROOVE.
 - REMOVE ALL DEBRIS FROM CRACK USING A WIRE BRUSH OR PRESSURE WASHER AS REQUIRED.
 - CLEAN AND DRY SURFACE AROUND CRACK.
 - FILL CRACK WITH AN APPROVED NON SHRINK GROUT ENSURING THAT GROUT FILLS DEEP INTO CRACK.
 - BRUSH AND SMOOTH THE SURFACE.
 - TEXTURE OF EXISTING SURFACE.
 - LET GROUT CURE AS PER MANUFACTURERS SPECIFICATIONS AND INSTRUCTIONS.

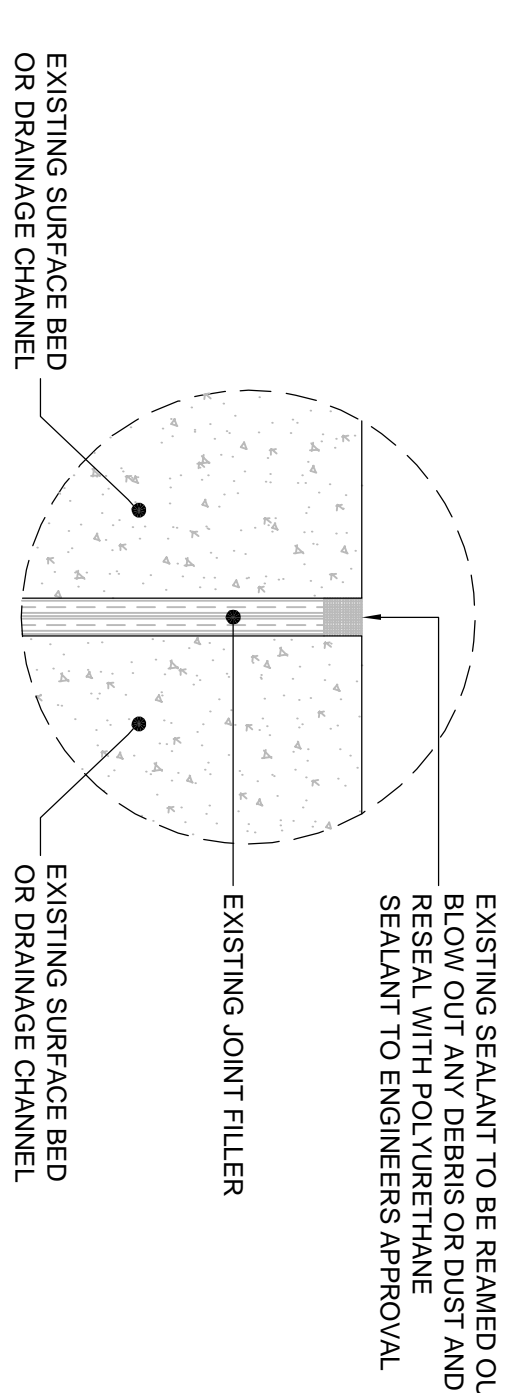
TYPICAL CRACK REPAIR DETAIL
SURFACE BED OR DRAIN CHANNEL

SCALE 1:10



TYPICAL EXPANSION JOINT REPAIR DETAIL
SURFACE BED OR DRAINAGE CHANNEL

SCALE 1:10



DETAIL D

SCALE 1:2