

- 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. 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 OF THE RELEVANT DISCIPLINES, ARCHITECT, CIVIL, ELECTRICAL AND MECHANICAL. 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 PRIOR TO CASTING CONCRETE.
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. CEMENT TO STEEL REINFORCEMENT U.O.N.

FOUNDATIONS	: 50 mm
COLUMNS	: 50 mm
BEAMS	: 50 mm
SLABS	: 30 mm
15. ALL SHARP EXPOSED EDGES TO BE CHAMFERED 20 x 20 mm.
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-C51 & SANS 1921-3.
19. ALL STEELWORK TO BE SANS 50025-S355JR UNLESS OTHERWISE NOTED.
20. A COMPLETE SET OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE WORKING BEGINS.
21. ALL WELDS TO BE IN ACCORDANCE WITH CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED AND IN STRICT ACCORDANCE WITH SANS AND AWS/AWS STANDARDS.
22. ALL BOLTS SHALL BE GRADE 8.8 UNLESS OTHERWISE NOTED.
23. ALL STEELWORK TO BE HOT DIPPED GALVANISED TO SANS 1200CH AND SANS 121 UNLESS OTHERWISE NOTED.

02	2025-12-02	JH	MG	ISSUED FOR INFORMATION
01	2025-11-02	JH	MG	ISSUED FOR INFORMATION
00	2025-09-06	ARA	MG	ISSUED FOR INFORMATION
REV	DATE	DRAWN	CHECKED	DESCRIPTION



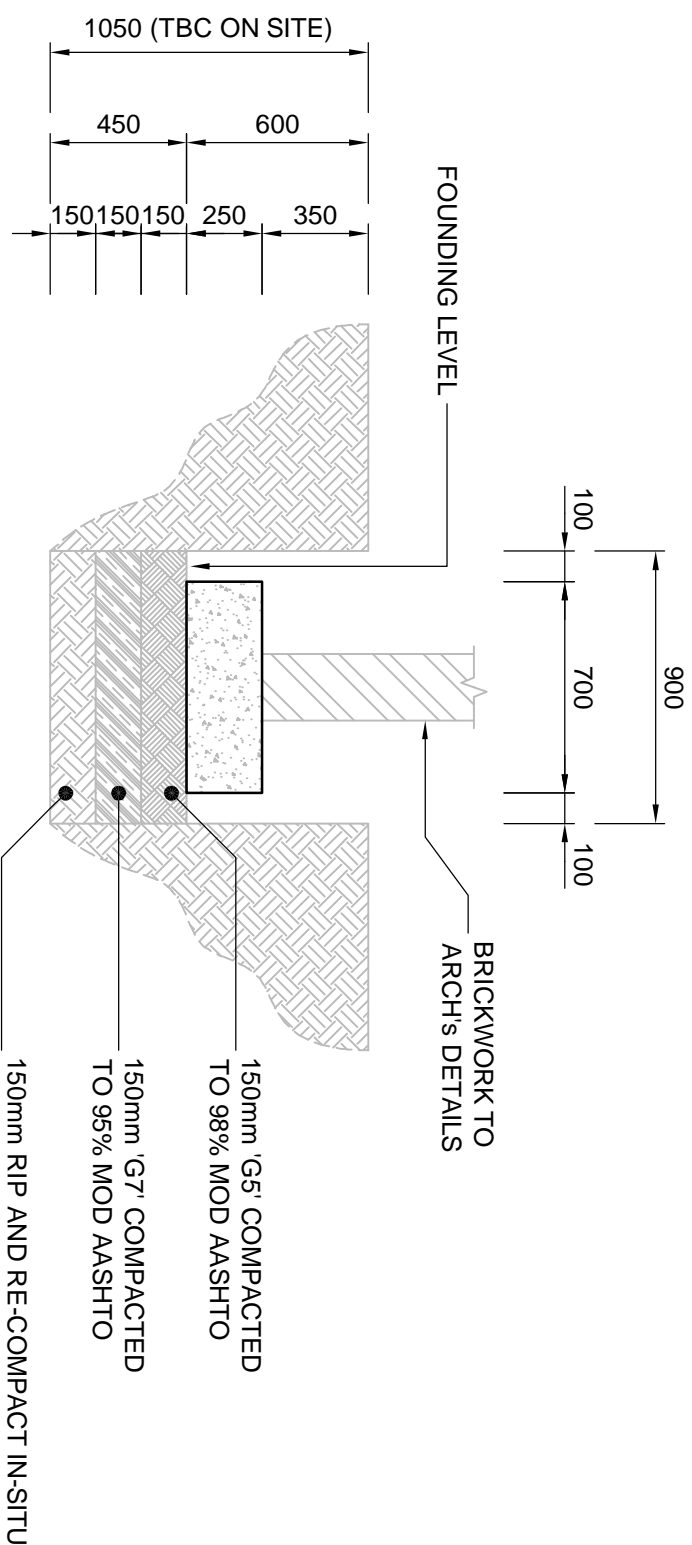
PROJECT			
DBSA SCHOOLS FS WESTERN HOLDINGS PRIMARY SCHOOL FREE STATE			
DRAWING			
FOUNDATION AND SURFACE BED DETAILS SHEET 1 OF 1			
	RESPONSIBLE PERSON	DATE	
DESIGNED	ARA	2022-09-05	
DRAWN	ARA	2022-09-05	
CHECKED	JH	2022-11-02	
APPROVED	MANI SOUVENDER (PR ENG - 20080241)	2022-11-02	
SCALE	AS SHOWN	SHEET SIZE	A1
PROJECT NUMBER	DRAWING NUMBER	STATUS	REVISION

R = REPORT  
D = DRAFT

T = TENDER  
P = PRELIMINARY

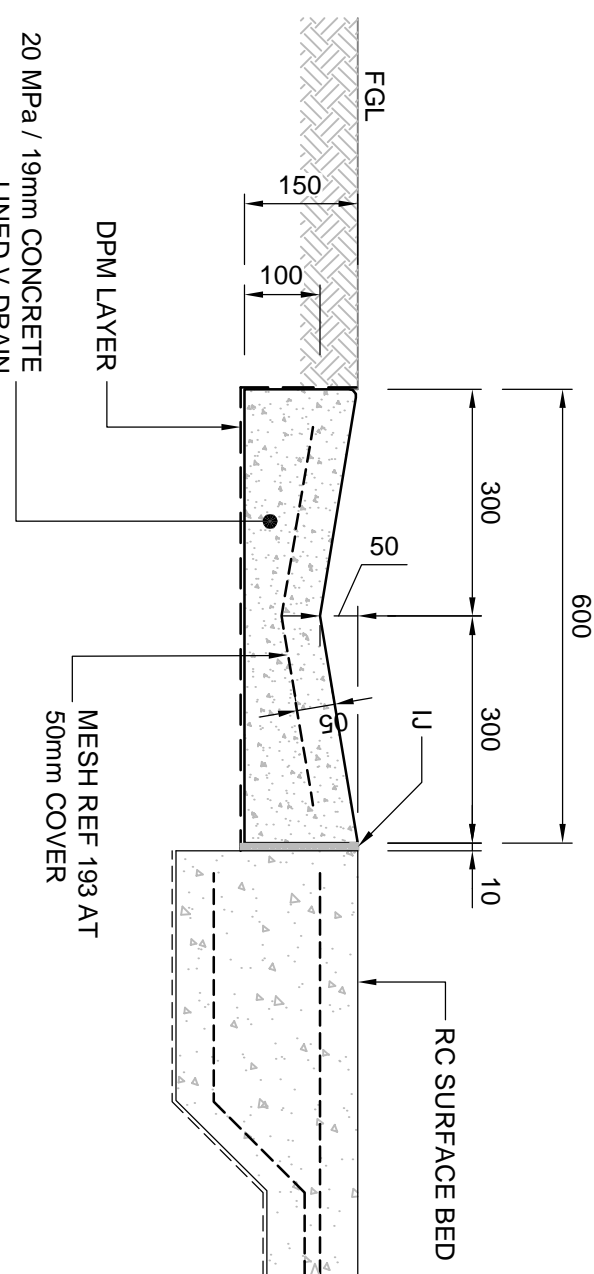
C = CONSTRUCTION  
A = AS BUILT

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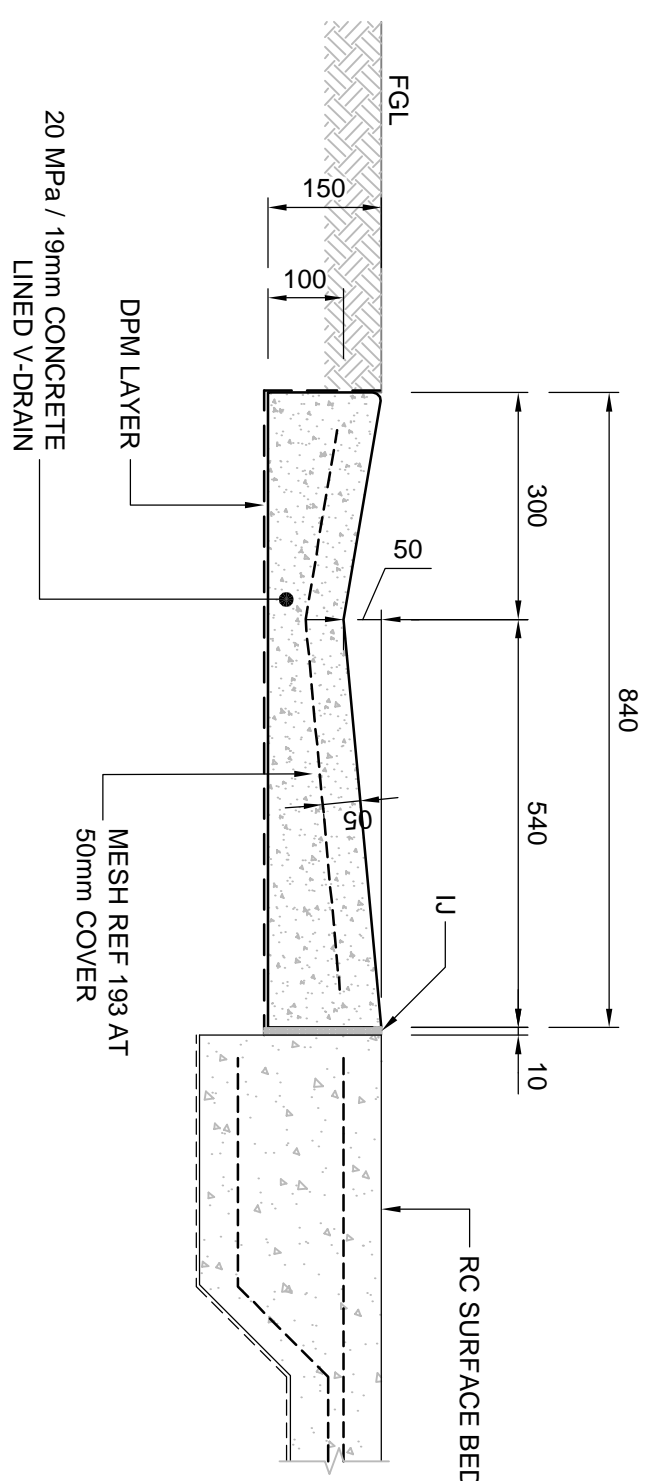
## FOUNDATION LAYERWORKS

SCALE 1:25



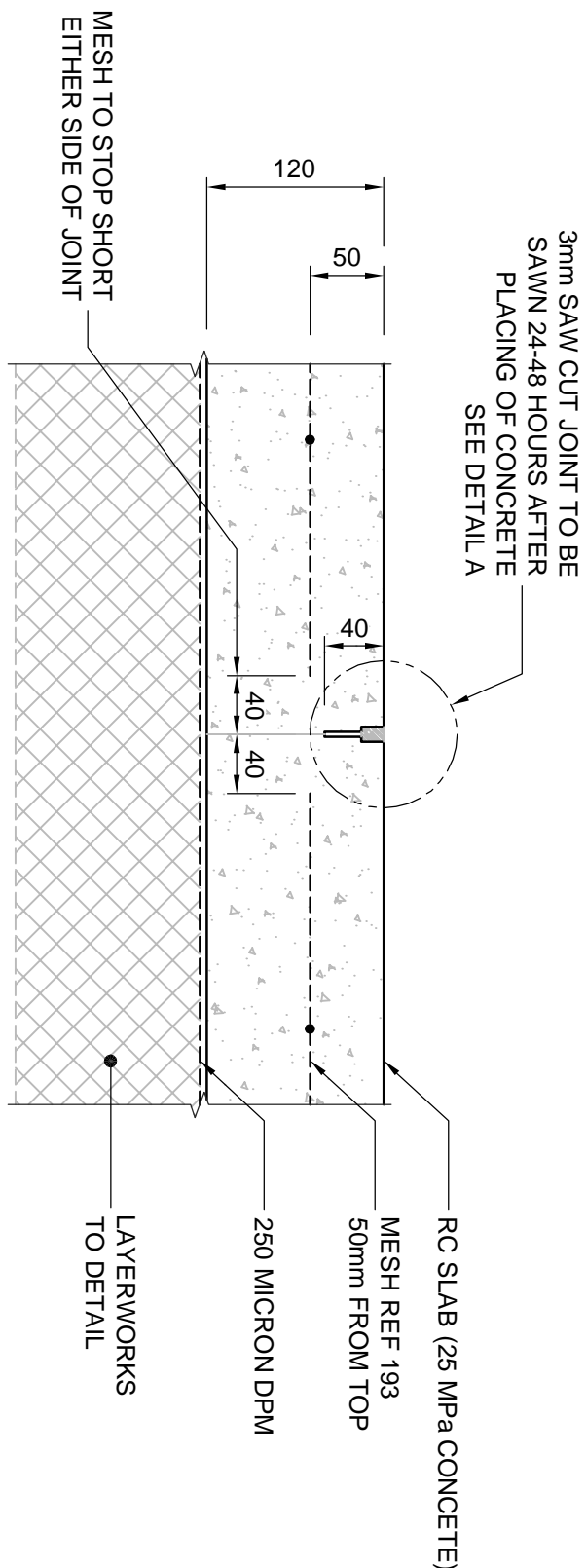
## 600 mm V-DRAIN DETAIL

**SCALE 1:10**



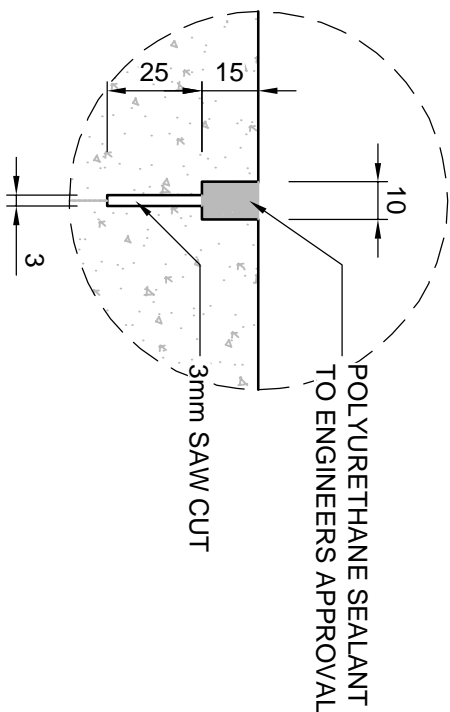
## 840 mm V-DRAIN DETAIL

**SCALE 1:10**



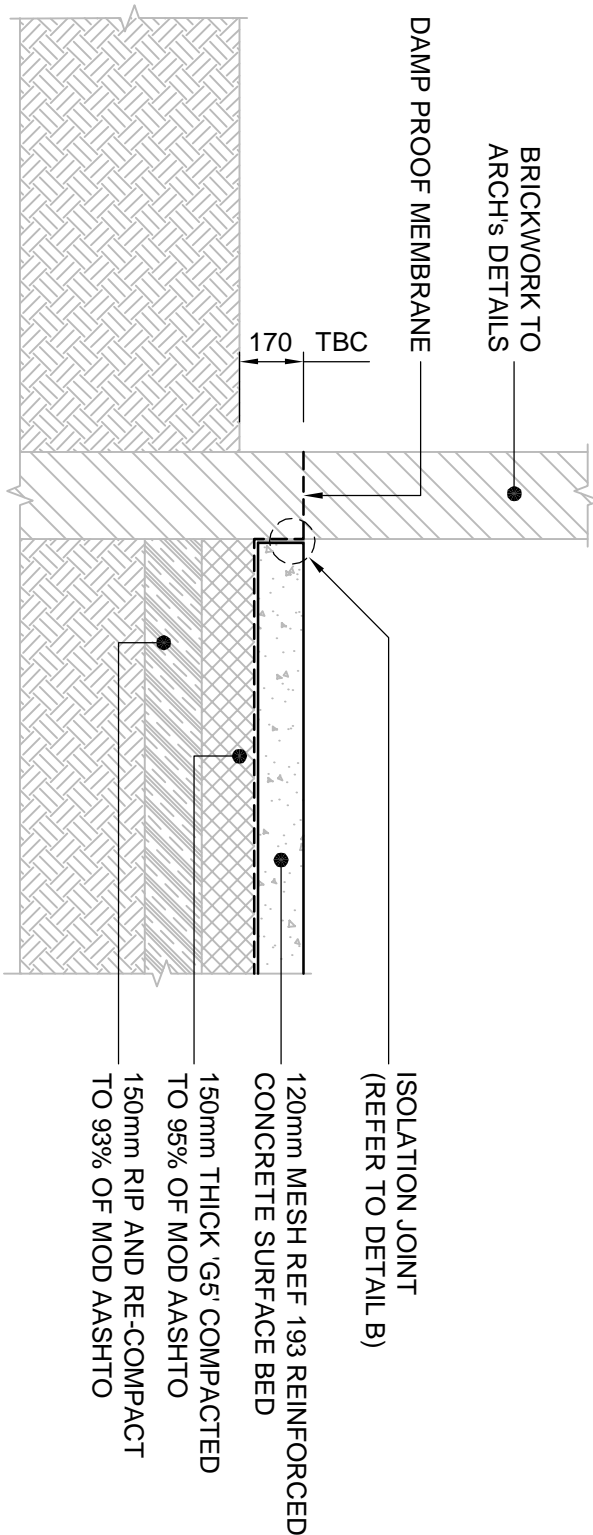
### SAW CUT JOINT DETAIL (SCJ)

**SCALE 1:5**



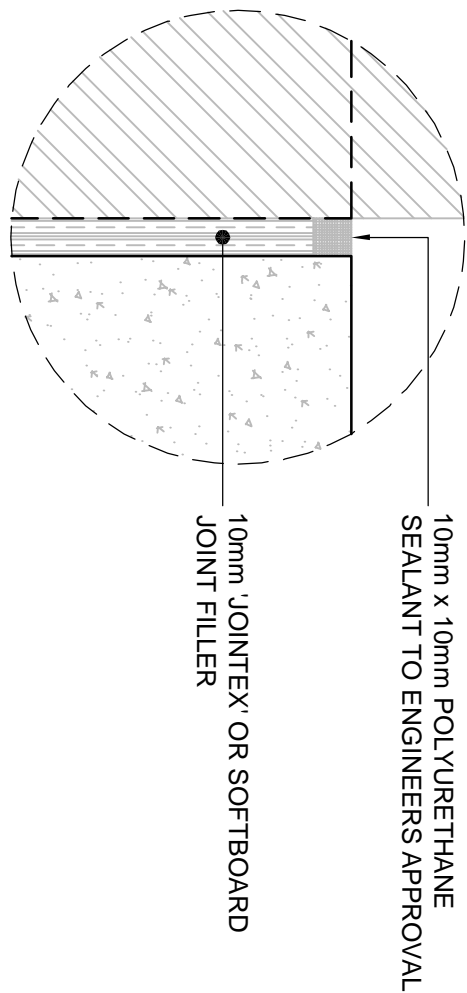
## DETAIL A

**SCALE 1:2**



**TYPICAL ISOLATION JOINT DETAIL (1J)**

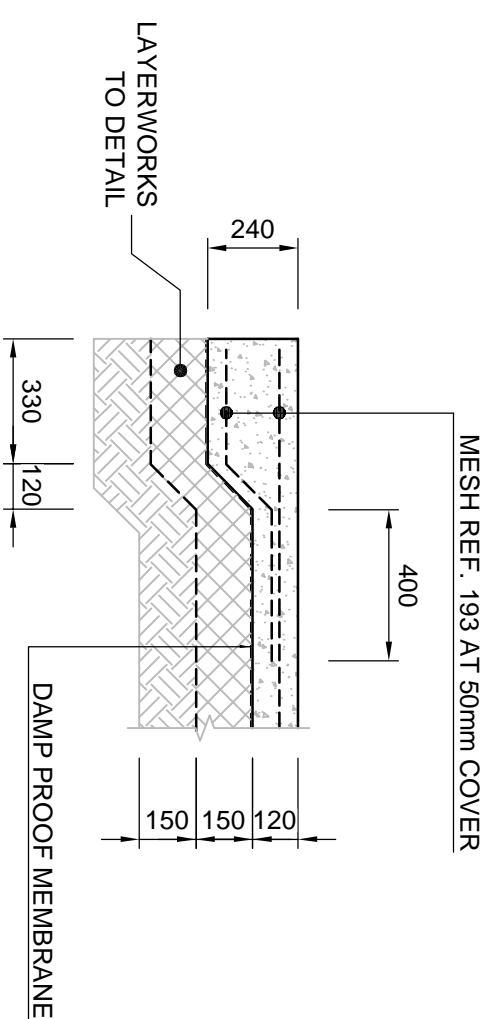
**SCALE 1:20**



## DETAIL B

**SCALE 1:2**

- 120mm THICK SURFACE BED
- 250 MILLISECOND DAMP PROOF MEMBRANE BELOW SURFACE BED
- MESH REE : 193 AT 50mm COVER
- THICKENED SURFACE BEDS ON ALL INTERNAL WALLS WITHOUT FOUNDATIONS
- THICKENED SURFACE BED EDGE FOR WALKWAYS & COLUMNS
- 150mm THICK G3 MATERIAL COMPACTED TO 95% MOD. ASHTO
- RIP AND RE-COMPACT 150mm IN-SITU MATERIAL TO 93% MOD. ASHTO



## SURFACE BED SLAB THICKENING INTERNAL WALLS

SCALE 1:20

