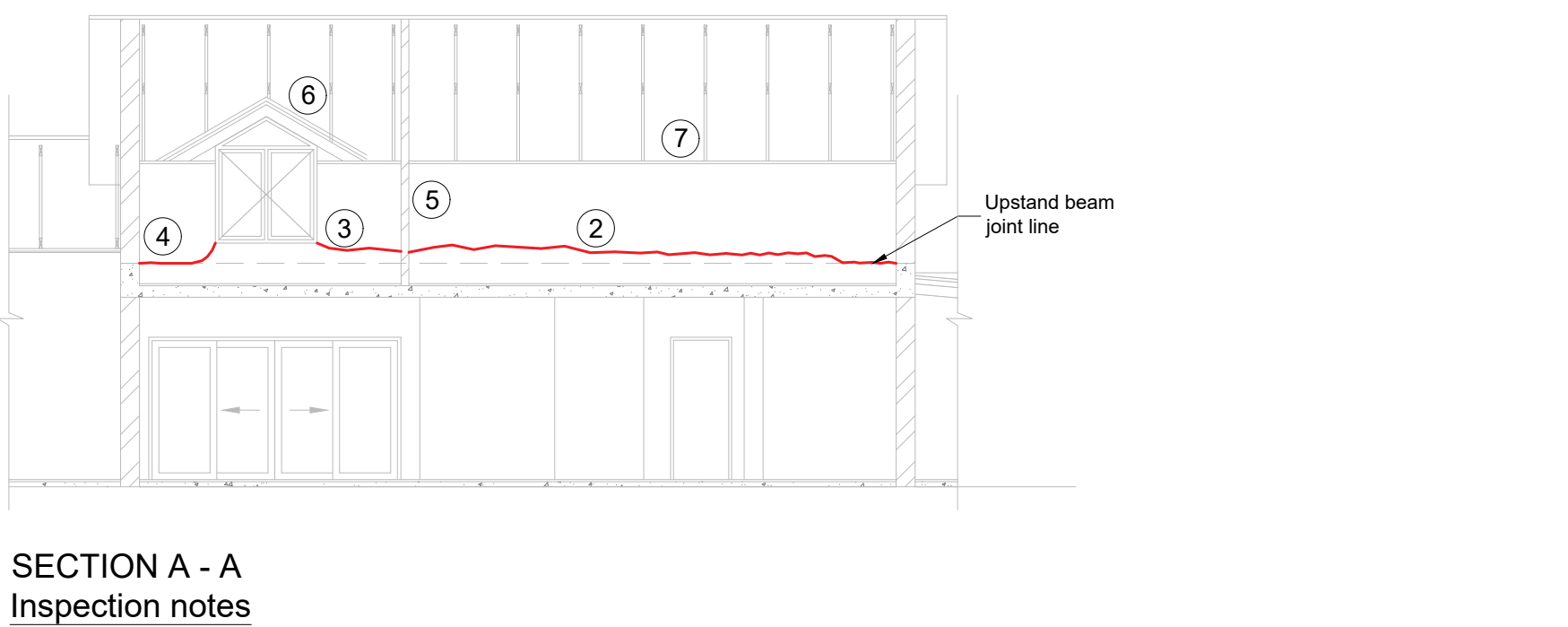
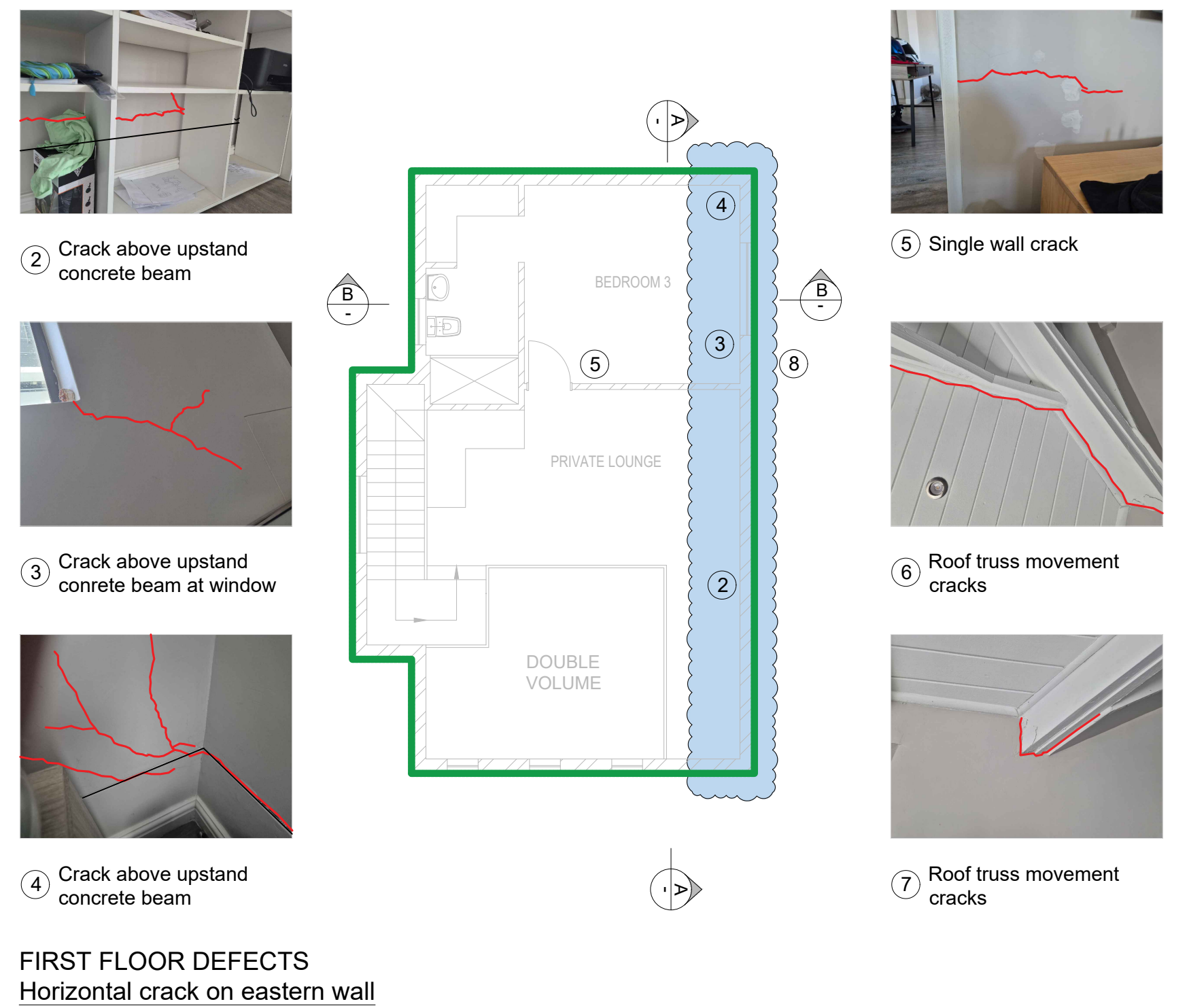
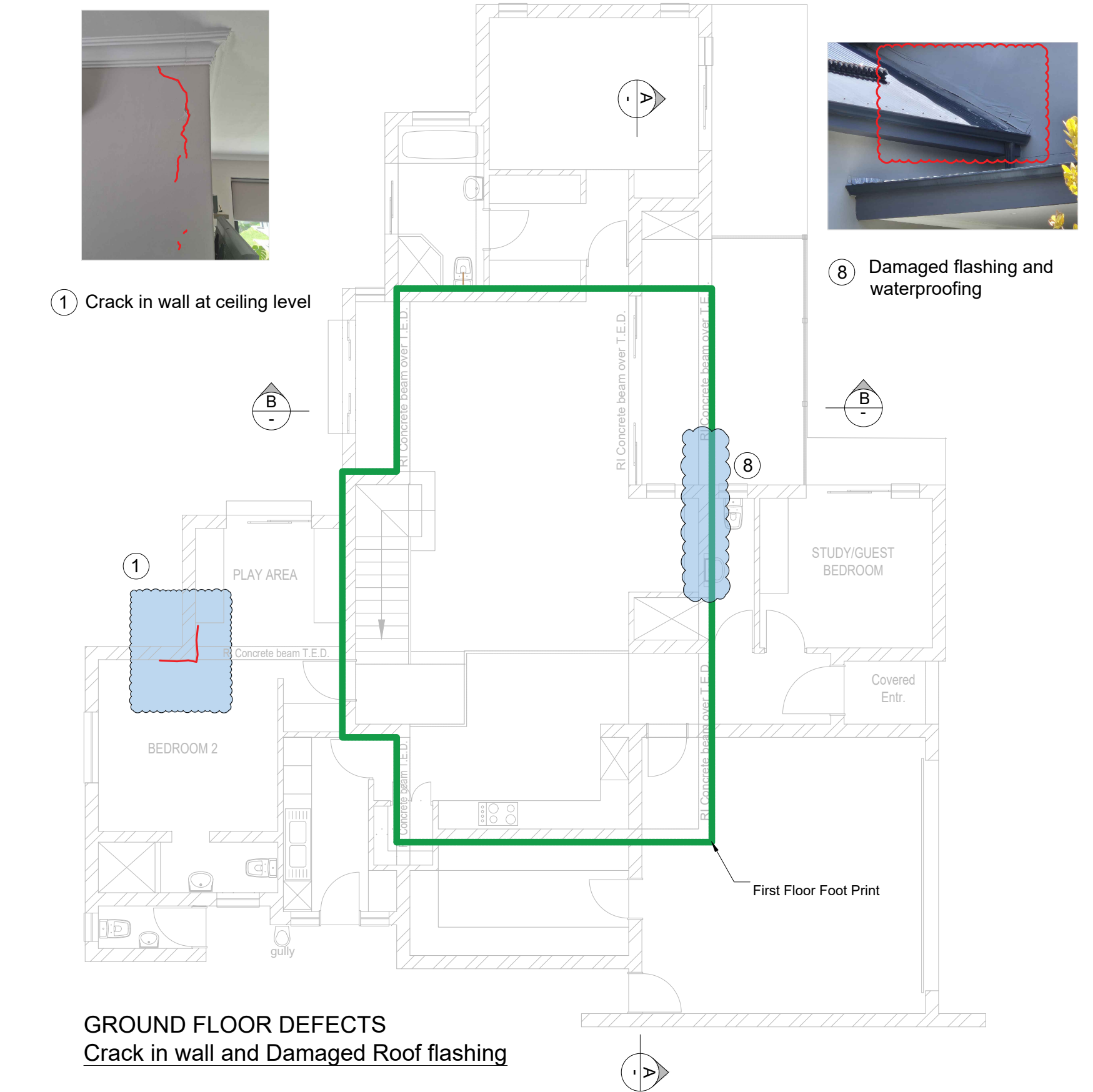


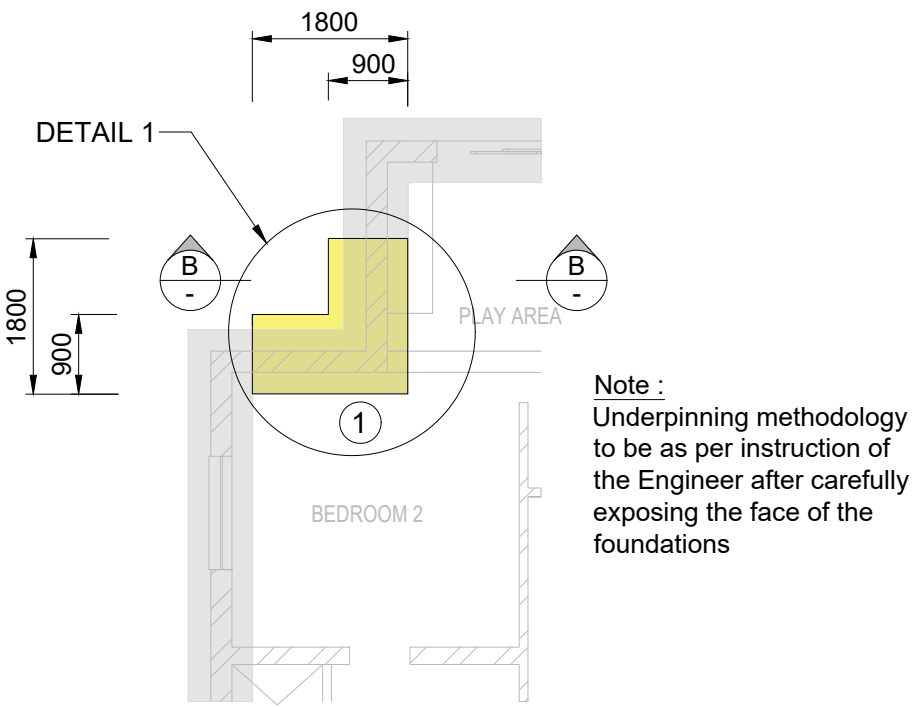
PROJECT SCOPE, INVESTIGATIVE NOTES and POSSIBLE ROOT CAUSE OF DEFECTS



PROPOSED REMEDIAL CONCEPTS

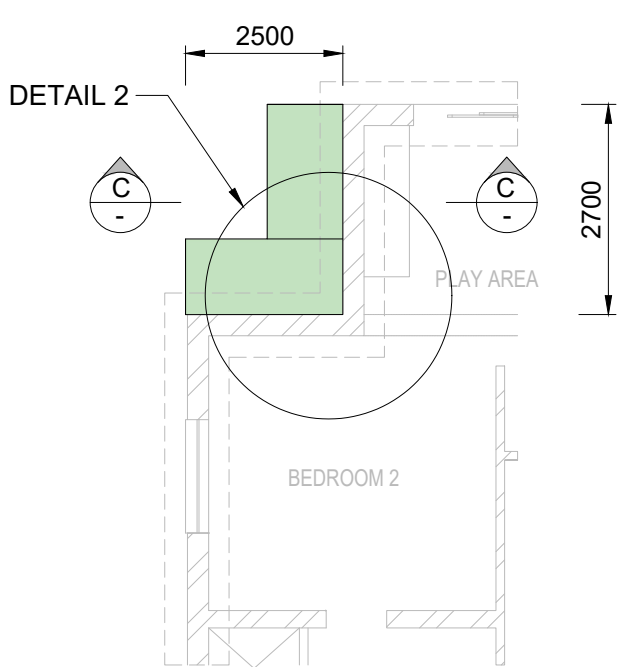
ACTIVITY 1 : UNDERPINNING AND STORMWATER MANAGEMENT

CONCEPT A : Underpinning of concrete footing

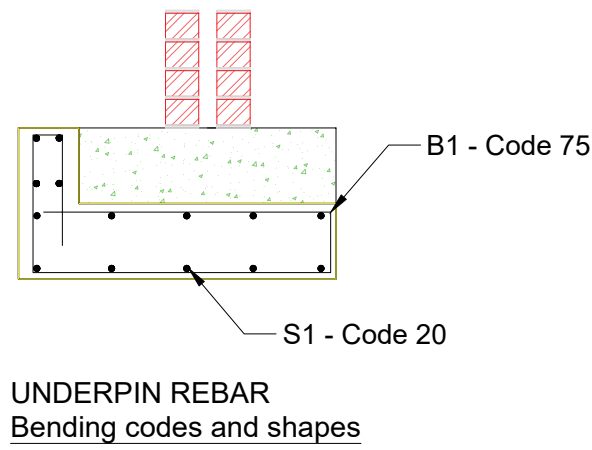
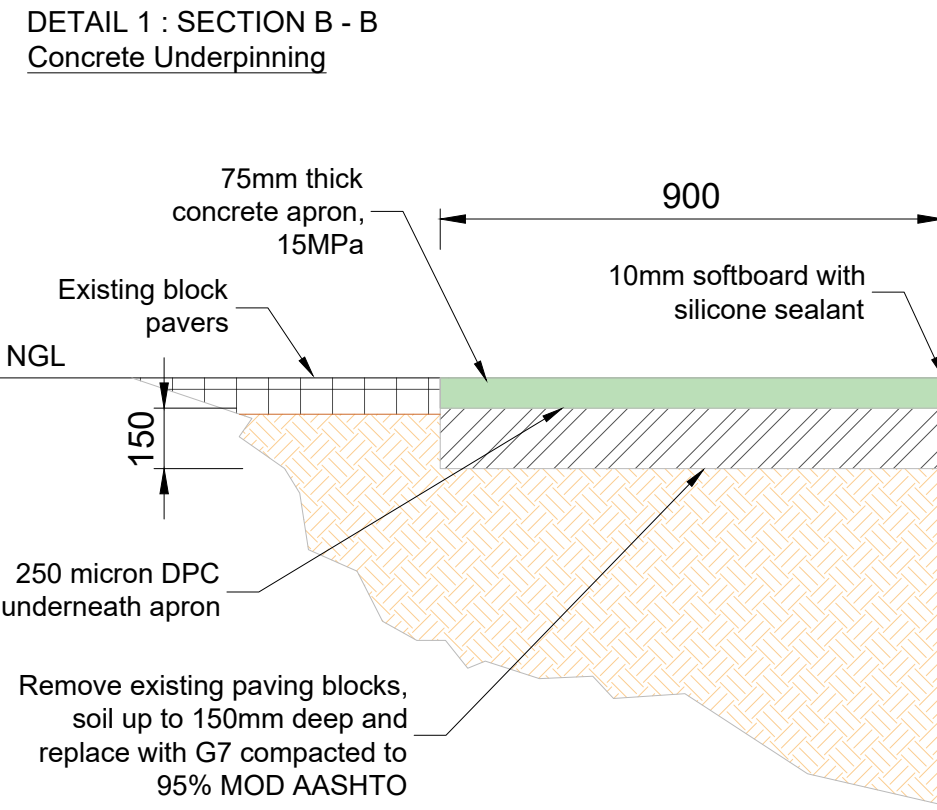
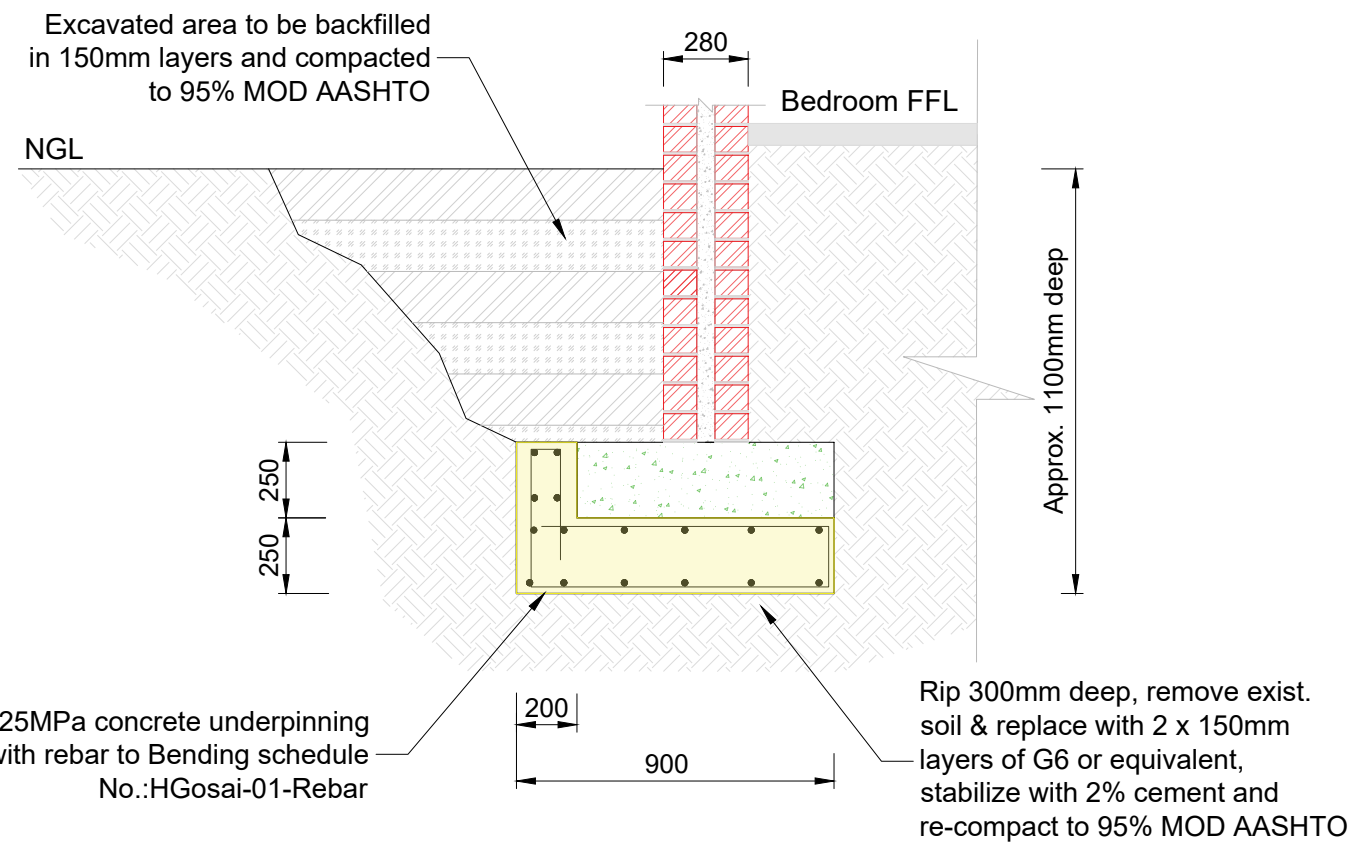
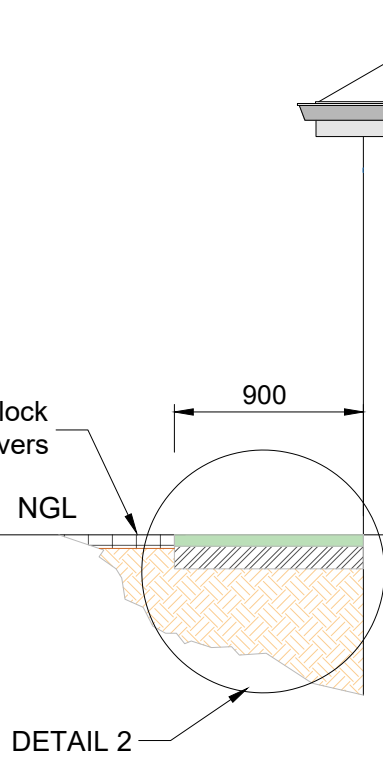


FOUNDATION UNDERPINNING  
Plan view

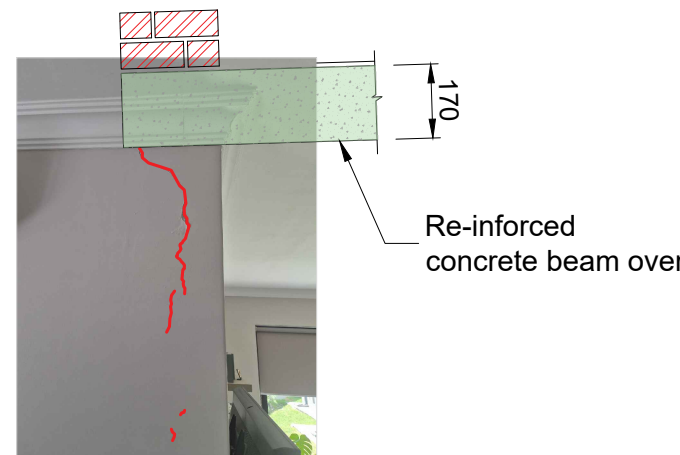
CONCEPT B : Concrete apron



STORMWATER DRAINAGE  
Plan view - Concrete apron



CONCEPT C : Crack repairs



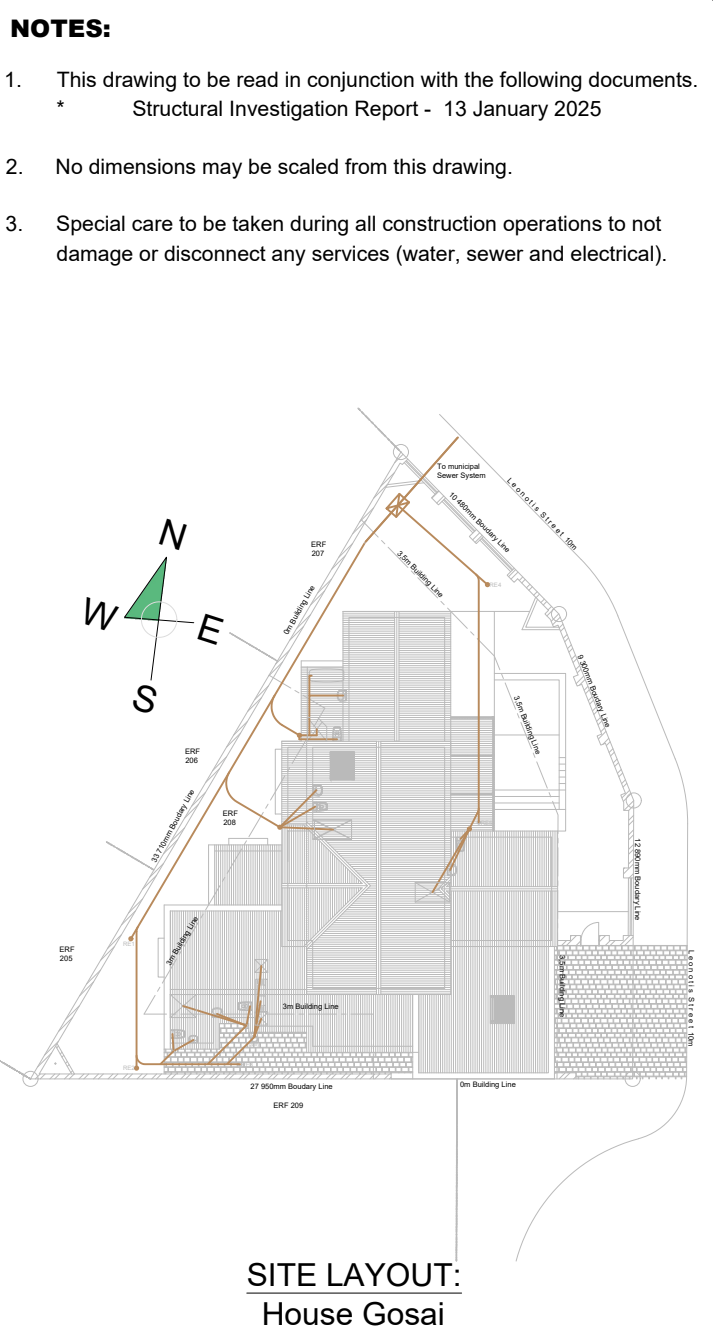
CRACK REPAIR :

OPTION 1 - EXPANDED METAL LATH

1. See crack repair methodology

OPTION 2 - NEW BRICKS & PLASTER  
Procedures

1. After opening up the crack with chisel an inspe must done to see if the brick work are damaged.
2. Take out broken bricks and replace with new bric
3. Plaster and paint to match existing.



CLIENT  
NATIONAL HOME BUILDERS  
**NHBRC**  
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Milnerton  
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Cell: (083) 475 3546  
e-mail: daltsom@nhbrc.org.za

PROJECT TITLE  
Structural Engineering Investigation Services for  
Erf 208, Sagewood, Parklands North  
(House Gosai)

DRAWING TITLE  
Investigation Notes and Concept Proposed  
Remedial Detail

Revisions		
Date	No.	Description

Reference Drawings	
Dwg Number	Description

Drawing Issued for:

☒ Information ☐ Design

☐ Construction ☐ As-built

**TechQ Development**  
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Fax: (086) 474 1937  
e-mail: techq.development@outlook.com

NEW DEVELOPMENT		MAINTENANCE		YES
DATE	DRAWN	SCALE	AS-SHOWN	CHECKED
Jan_2025	SOD			MJB
NHBRC SITE CLASSIFICATION:	NA	BEARING CAPACITY		NA

Stand Nr. and locality:  
ERF 208, Sagewood, Parklands North

ENGINEERING DESIGNS - Structural & Civil services		
Designed by:	Drawn:	Checked:
M.J. Badenhorst	SOD	MJB
Competent Person: M.J. Badenhorst (Pr.Tech.Eng)(Pr.CPM) ECSA # 200270009 NHBRC Code # 601551		
Cell: 066 105 1226 meltbadenhorst@outlook.com	Signature: 	
Drawing number: HGosai - Struct 01	Drawing size: A1	Rev. 00
Client Approval:		
Signature:		