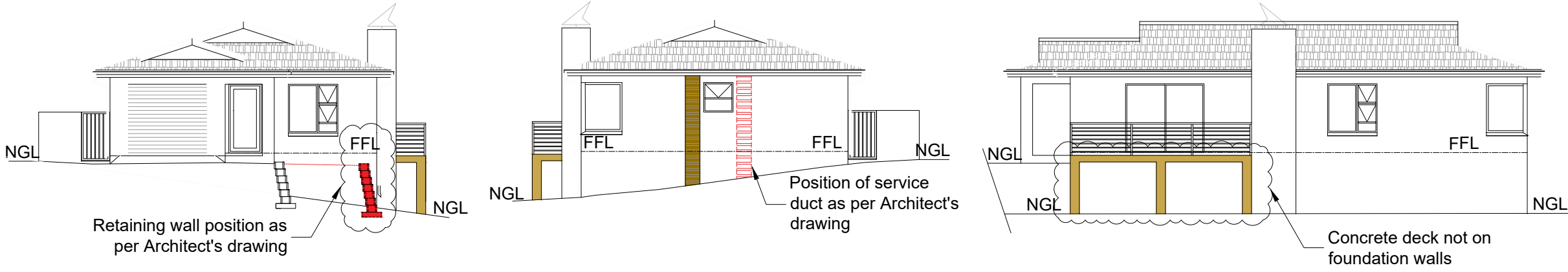


PROJECT SCOPE and INVESTIGATIVE NOTES

EXTERIOR VIEWS



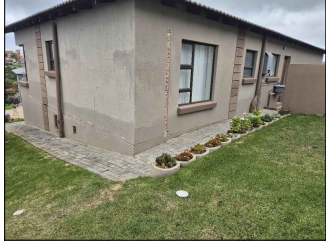
SOUTH WEST ELEVATION

NORTH EAST ELEVATION

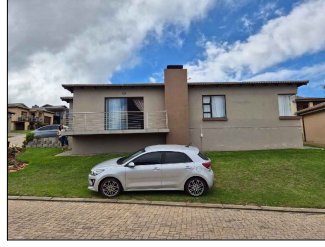
SOUTH EAST ELEVATION



Elevation - Retaining wall position



Service Duct Position - Asbuilt

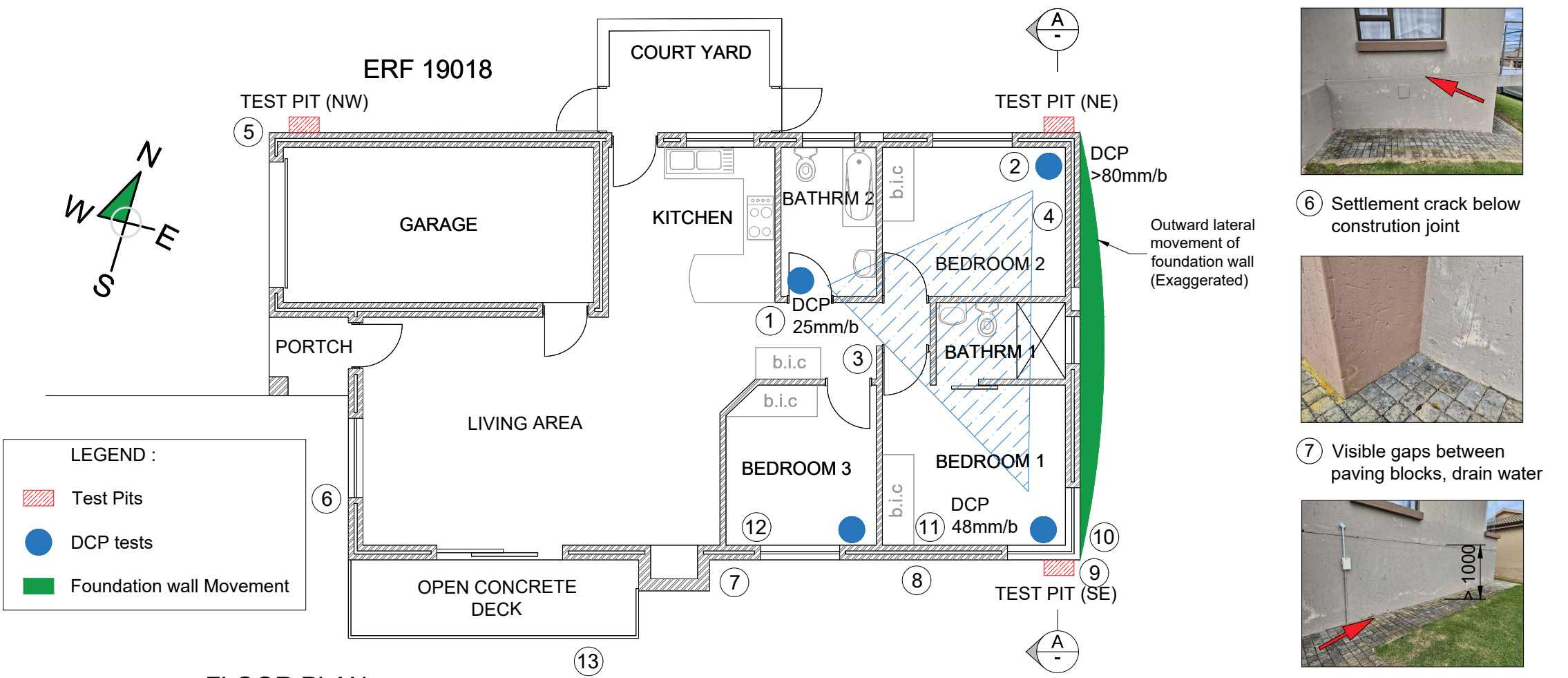


Elevation - No support to concrete deck

INVESTIGATION NOTES



1 Settlement crack in internal wall 2 Differential crack above window 3 diagonal crack in internal dividing wall 4 Settlement of surface bed 5 Paving level same as garage FFL 6 Settlement crack below construction joint 7 Visible gaps between paving blocks, drain water 8 Foundation wall >1000mm with 1 x weep hole opening 9 Outer movement of foundation wall (undersailing) 10 Crack in foundation wall 11 Detached ceiling cornice - wall settlement 12 Separation crack in foundation wall 13 Cantilever concrete deck with cracks underneath

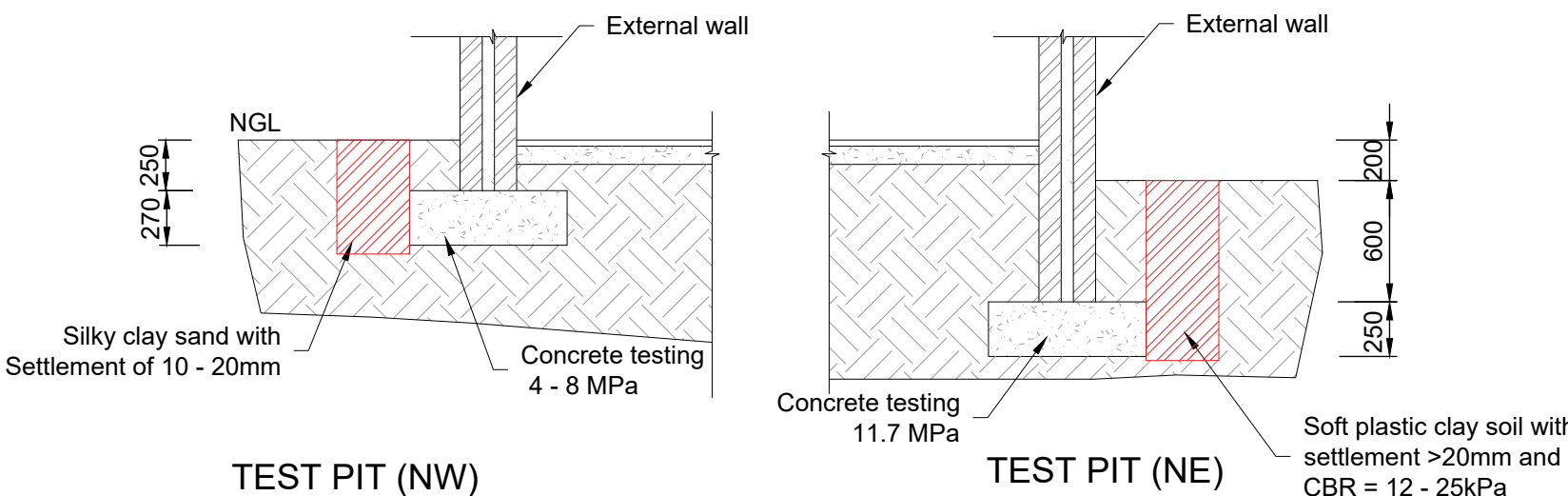


FLOOR PLAN Scale 1 : 100

GEOTECHNICAL INVESTIGATIONS



Picture 14 - Open section in wall indicating concrete filled 280 foundation wall

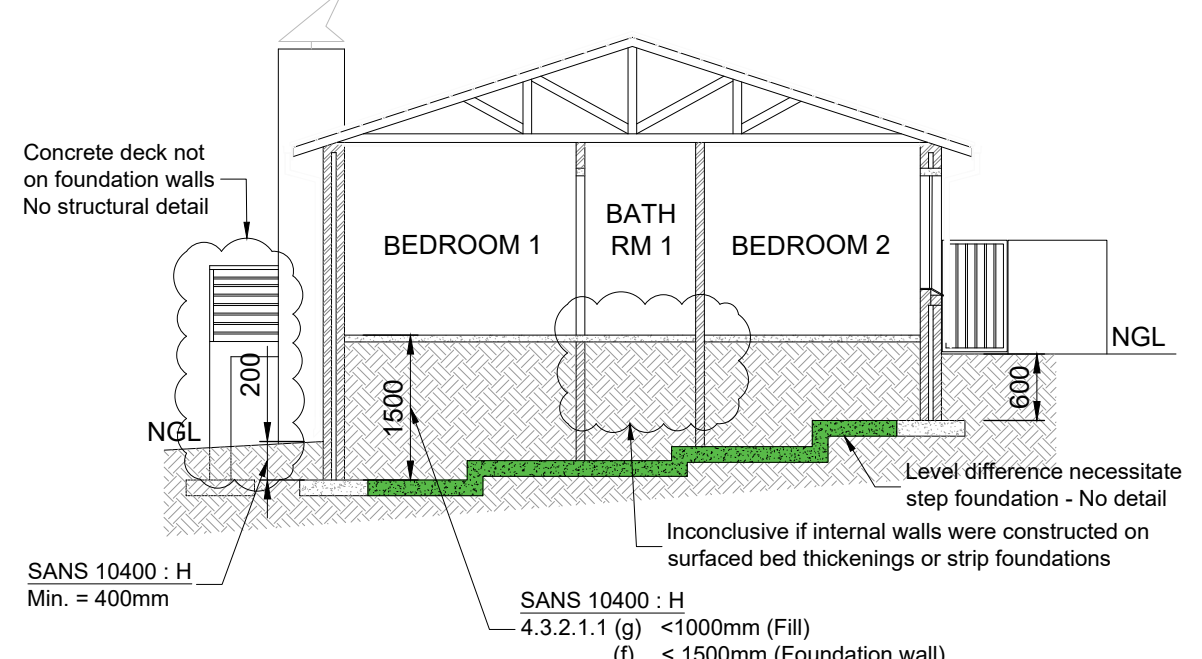


TEST PIT (NW)

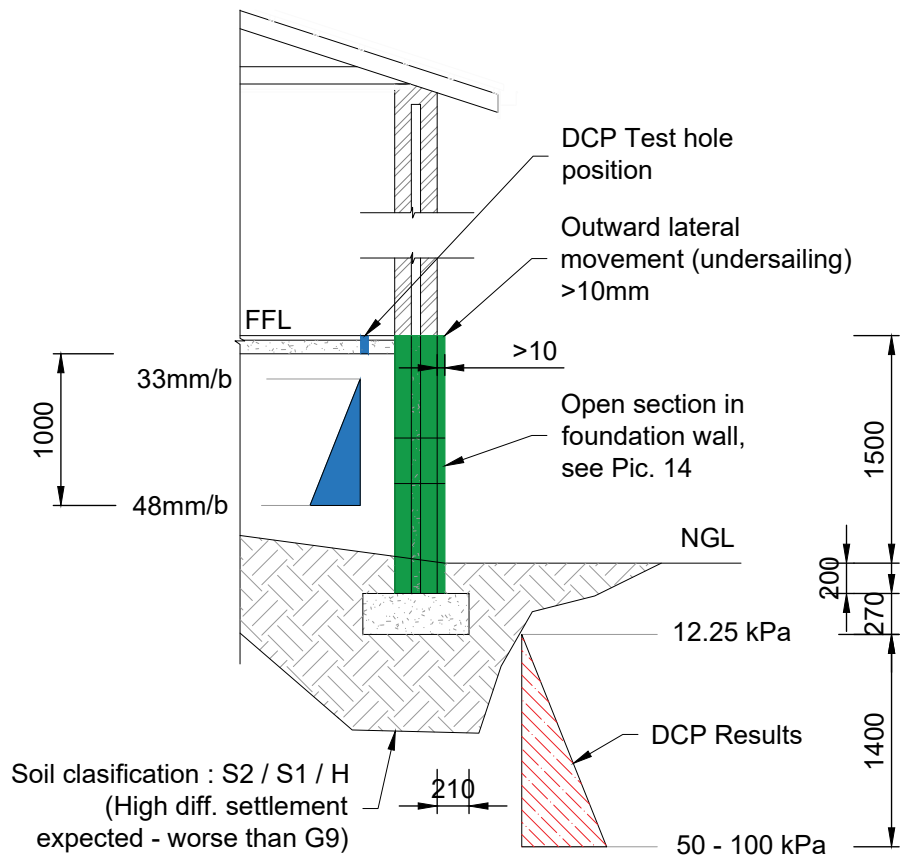
TEST PIT (NE)

LABORATORY TESTS

Soil classification and concrete strength



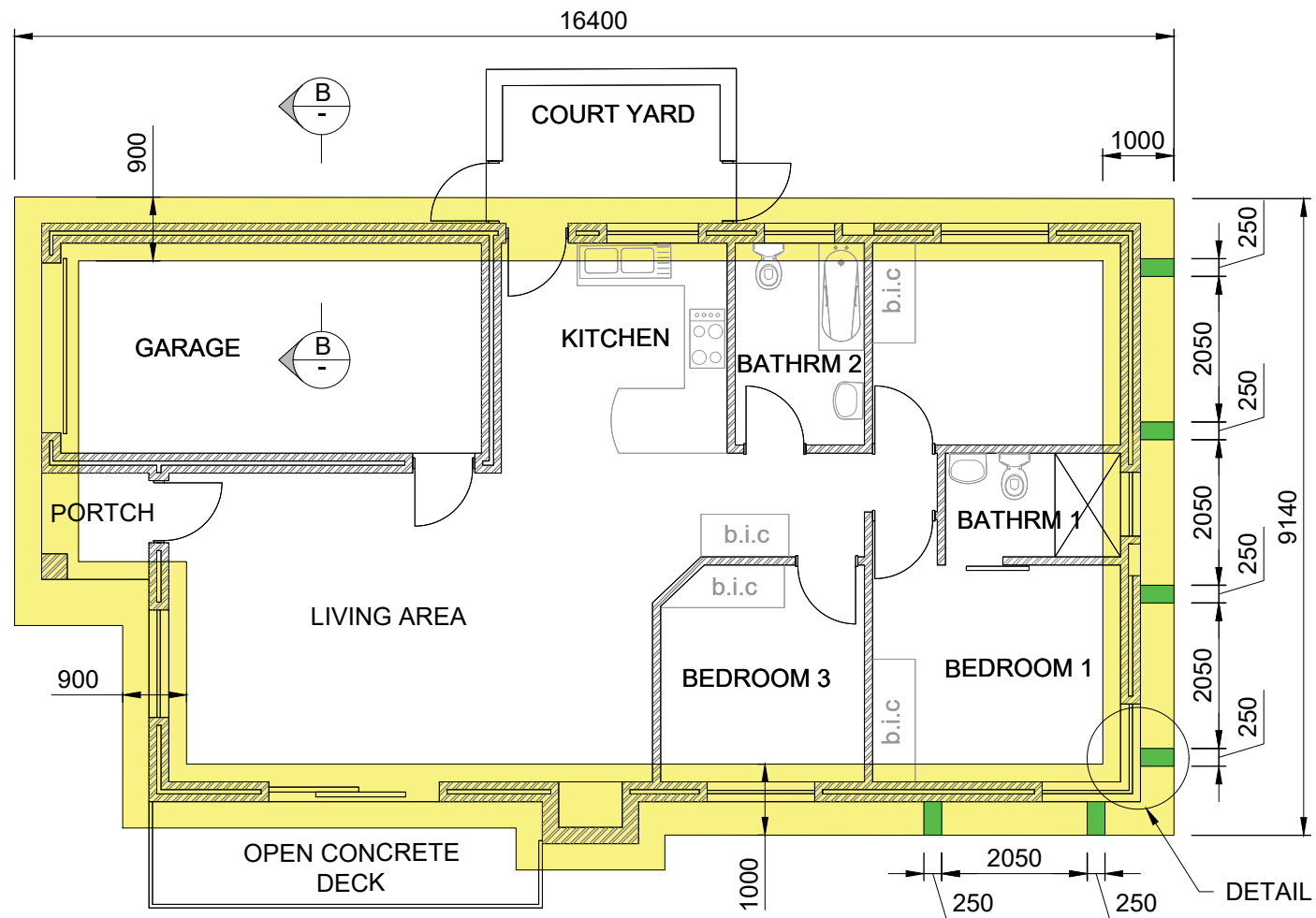
SECTION A - A Anticipated stepped strip foundation (to be confirmed)



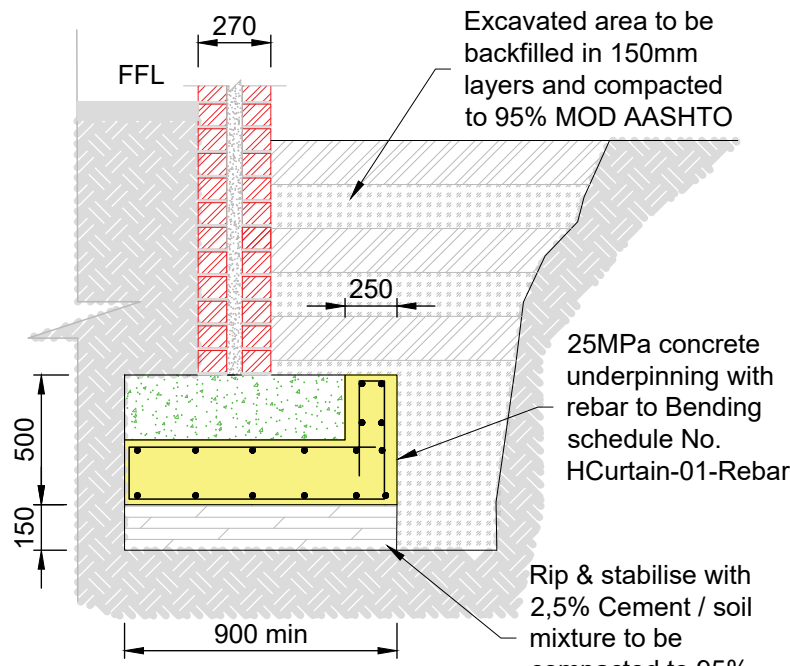
SECTION A - A : SOUTH EAST CORNER Position of DCP and Geotech Test Pit

CONCEPT PROPOSAL : REMEDIAL CONCEPTS

OPTION 1
ACTIVITY 1 : UNDERPINNING

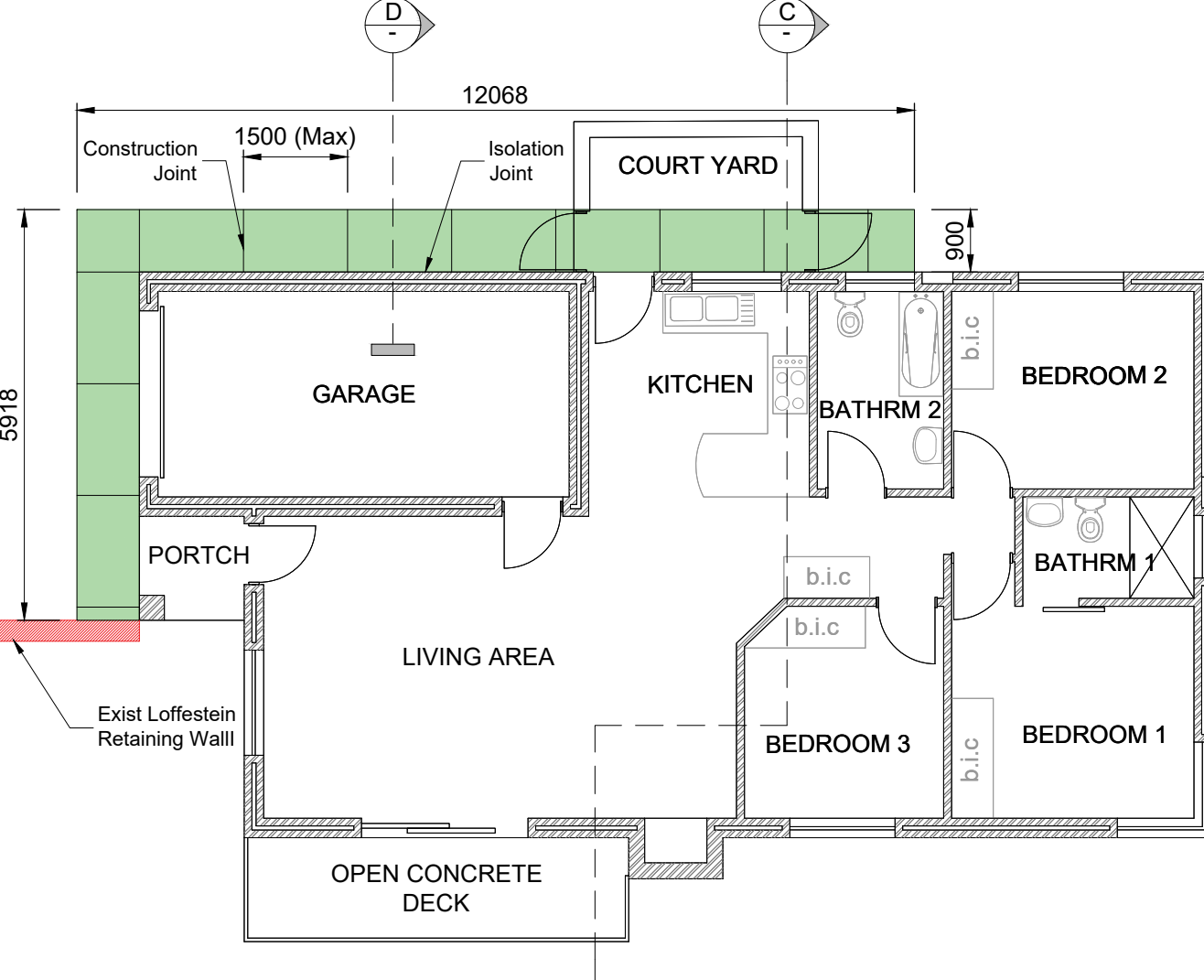


FOUNDATION STRENGTHENING
Concrete underpinning

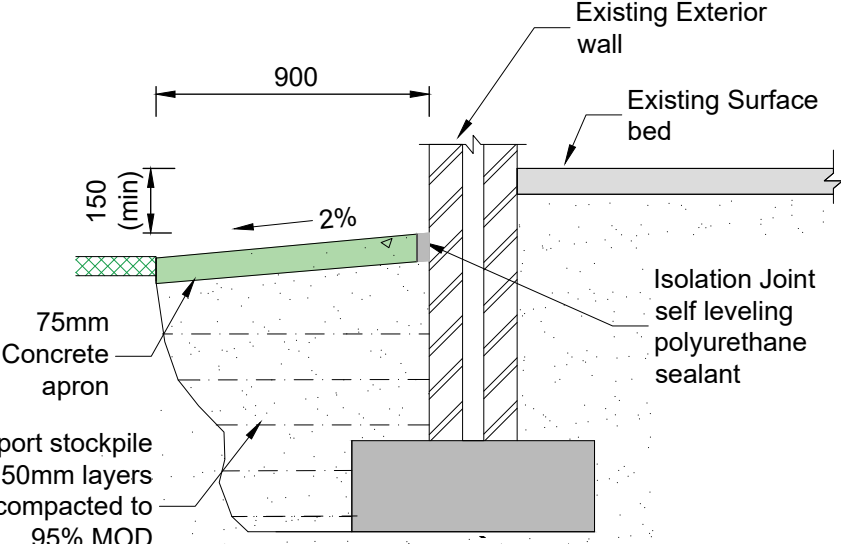


SECTION B - B Concrete Underpinning

ACTIVITY 3 : APRONS

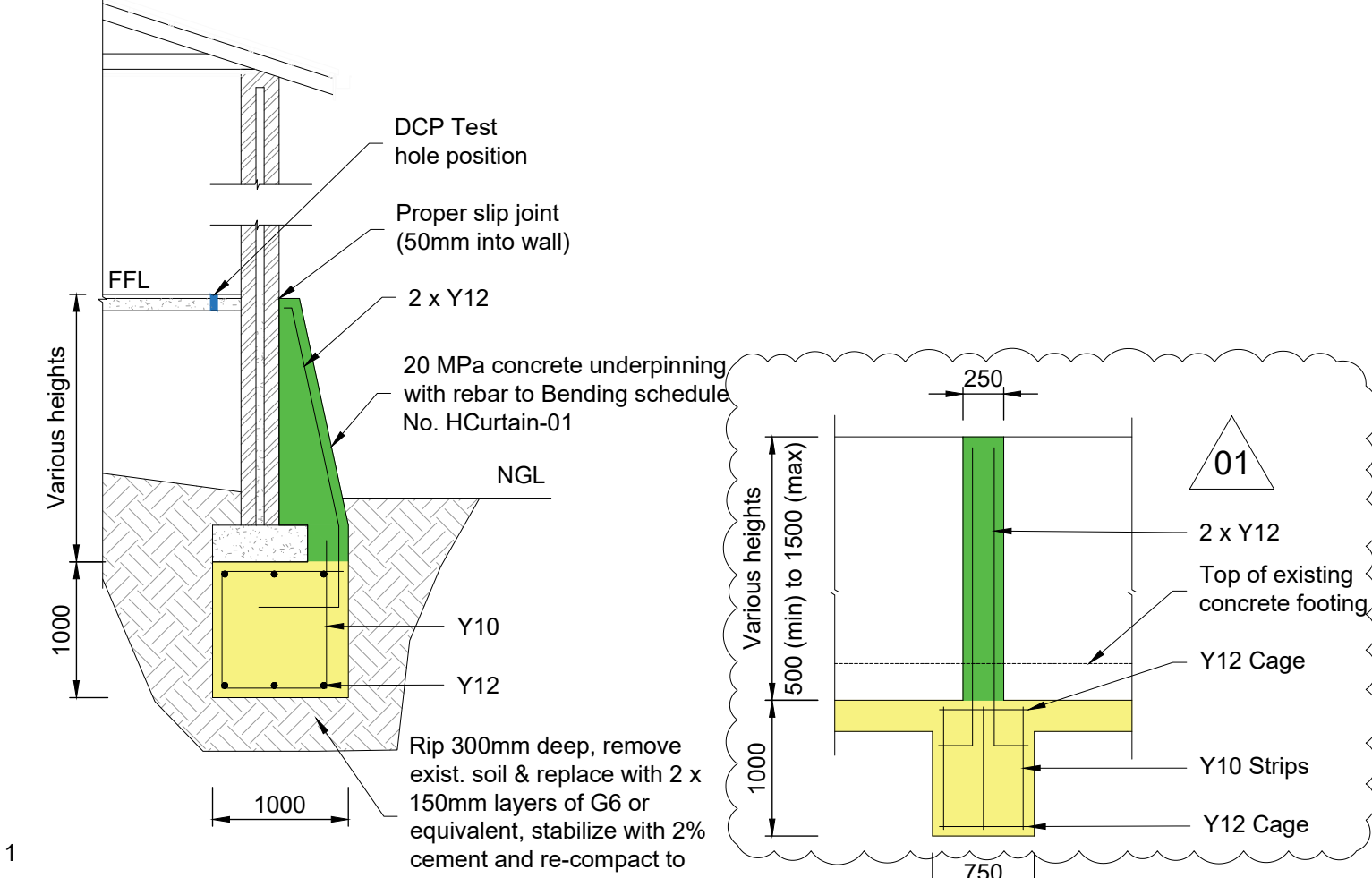


STORMWATER MANAGEMENT - Aprons



SECTION D - D Concrete apron

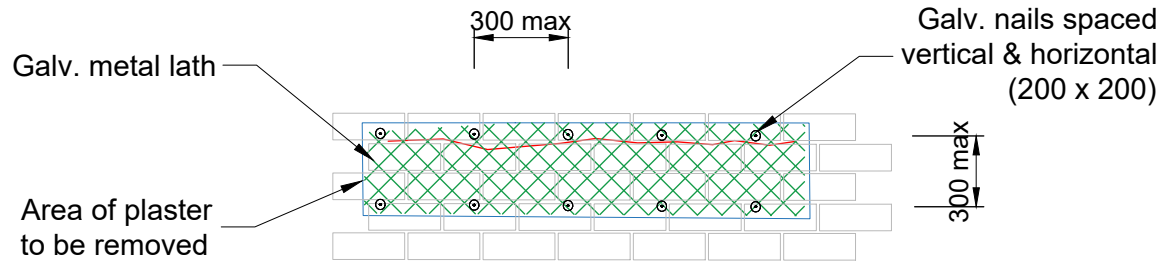
ACTIVITY 2 : STRENGTHENING OF WALLS



DETAIL 1 - SECTION Underpinning & Strengthening of wall

DETAIL 1 - ELEVATION Wall Strengthening

ACTIVITY 4 : CRACK REPAIR



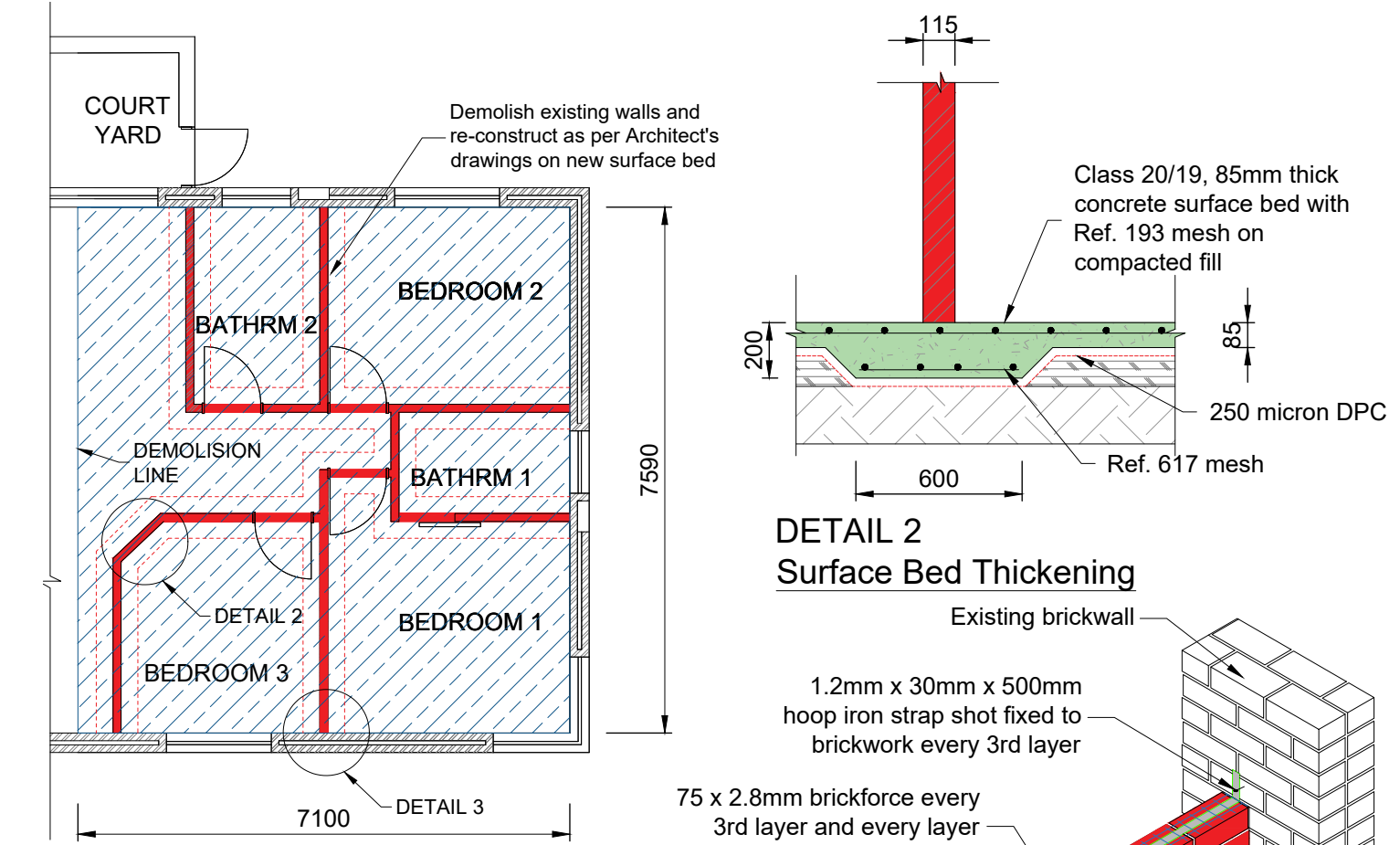
DETAIL 4 Crack repair : expanded metal lath

Procedures

1. Verify affected areas with the Engineer and remove plaster with light hand tools.
2. Light chisel opening - 5mm deep of apparent crack.
3. Fix galvanise lath mesh to area with galv. nails, 300mm max centers.
4. Lath metal tightly stretched to reduce waviness.
5. Plaster forced through openings of mesh so the lath is completely encased in the plaster (1:5 mix).
6. Repaint to match existing.

OPTION 2

ACTIVITY 4 : DEMOLISH & RE-CONSTRUCT SURFACE BEDS and WALLS



SURFACE BED DEMOLITION
255mm Thick Concrete Slab

DETAIL 2 Surface Bed Thickening

Existing brickwall

1.2mm x 30mm x 500mm hoop iron strap shot fixed to brickwork every 3rd layer

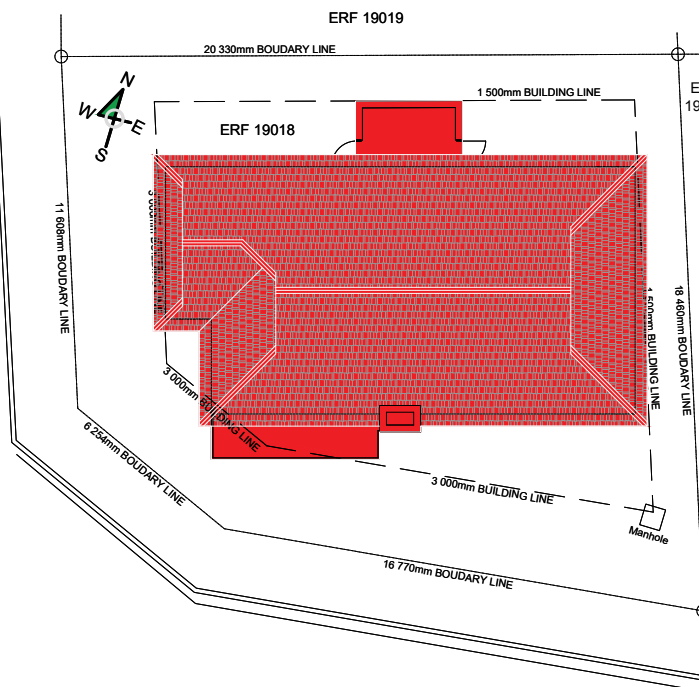
75 x 2.8mm brickforce every 3rd layer and every layer above door and windows

DETAIL 3 - 3D 115 mm Wall : Fixing To Brick wall

SECTION C - C Bulk Earthworks and Import

NOTES:

1. This drawing to be read in conjunction with the following documents.
 - Structural Investigation Report - 31 March 2025
2. No dimensions may be scaled from this drawing.
3. This drawing may not be used for construction purposes
4. Special care to be taken during all construction operations to not damage or disconnect any services (water, sewer and electrical).



SITE LAYOUT: ERF 19018 House Curtain - 21 Wassenaar Street, Seemeepark, Mosselbay

CLIENT

NATIONAL HOME BUILDERS

NHBRC

REGISTRATION COUNCIL

Centennial Place

East Block

Century City Boulevard

Milnerton

Tel: (021) 913 9210

Cell: (083) 475 3546

e-mail: dailis@nhbrc.org.za

PROJECT TITLE

Structural Engineering Investigation Services for

ERF 19018, 21 Gull Height, Wassenaar Street,

Seemeepark, Mosselbay - House Curtain

DRAWING TITLE

Investigation Notes

Revisions

Date No. Description

28 05 25 01 Option 1 & 2 defined & revised detail

Reference Drawings

Dwg Number Description

Drawing Issued for:

Information Construction

Design As-built

TechQ Development

Consulting Engineers, Project and Construction Managers

Office Corner, Block C

184 Lancaster Road

Gordon's Bay

7140

Tel: (066) 105 1226

Fax: (066) 474 1937

e-mail: techq.development@outlook.com

NEW DEVELOPMENT

DATE

DRAWN

SCALE

AS-SHOWN

CHECKED

MJB

NHBRC SITE CLASSIFICATION: S2/S1/H

BEARING CAPACITY

Various

Stand Nr. and locality:

ERF 19018, 21 Gull Height, Wassenaar Street,

Seemeepark, Mosselbay

ENGINEERING DESIGNS - Structural & Civil services

Competent Person:

MJ Bodendorst (Pr.Tech.Eng)(Pr.CPM)

ECSA # 200270009

NHBRC Code # 601551

Cell: 066 105 1226

mjbodendorst@outlook.com

Drawing number: HCurtain - Struct 01

Client Approval:

Drawing size: A1

Rev. 01

Signature: