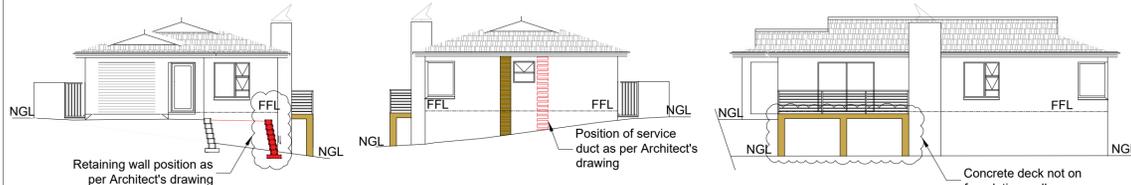


PROJECT SCOPE and INVESTIGATIVE NOTES

EXTERIOR VIEWS



SOUTH WEST ELEVATION

NORTH EAST ELEVATION

SOUTH EAST ELEVATION



Elevation - Retaining wall position



Service Duct Position - Asbuilt

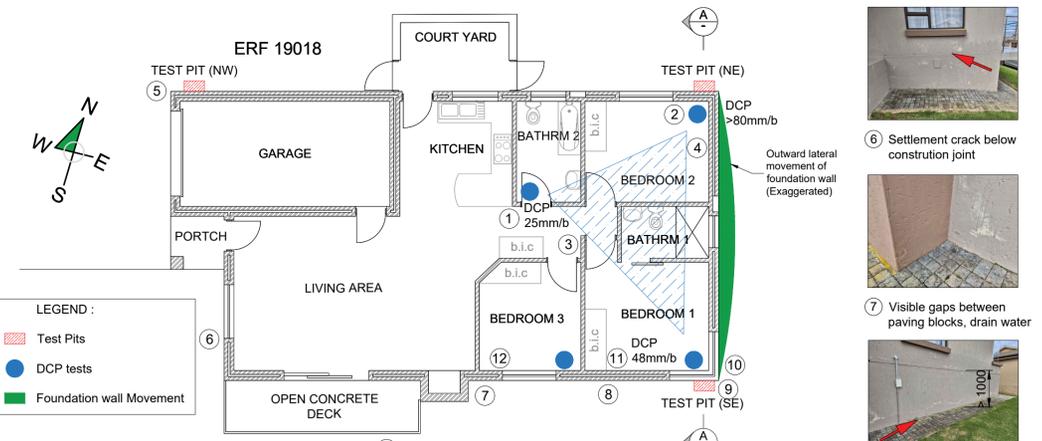


Elevation - No support to concrete deck

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



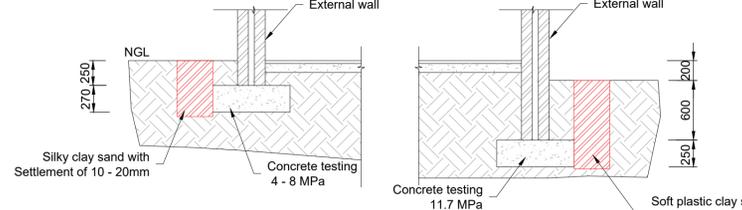
FLOOR PLAN
Scale 1 : 100



GEOTECHNICAL INVESTIGATIONS



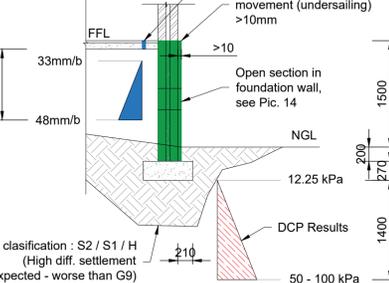
Picture 14 - Open section in wall indicating concrete filled 280 foundation wall



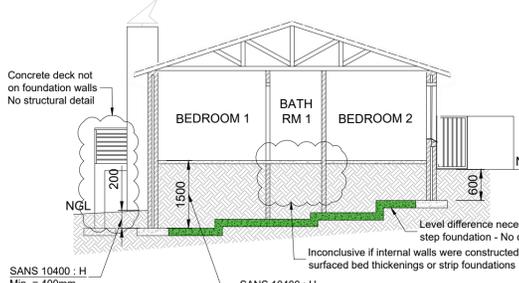
TEST PIT (NW)

TEST PIT (NE)

LABORATORY TESTS
Soil classification and concrete strength

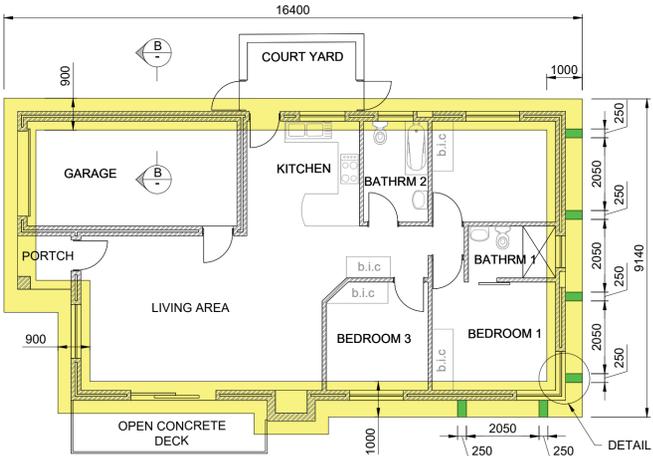


SECTION A - A : SOUTH EAST CORNER
Position of DCP and Geotech Test Pit

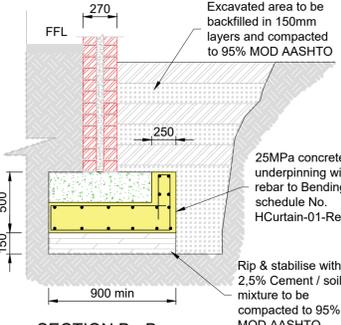


SECTION A - A
Anticipated stepped strip foundation (to be confirmed)

OPTION 1
ACTIVITY 1 : UNDERPINNING

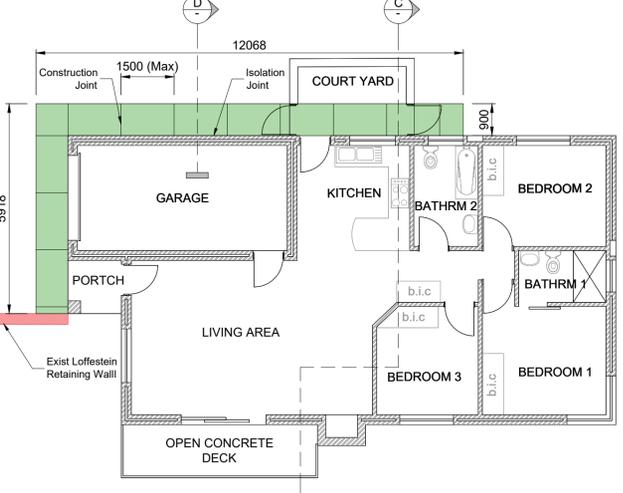


FOUNDATION STRENGTHENING
Concrete underpinning

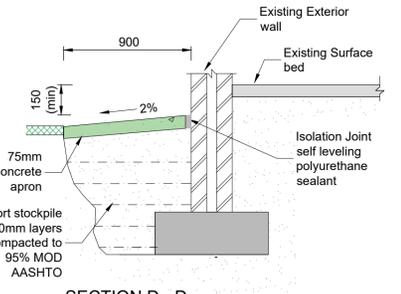


SECTION B - B
Concrete Underpinning

ACTIVITY 3 : APRONS



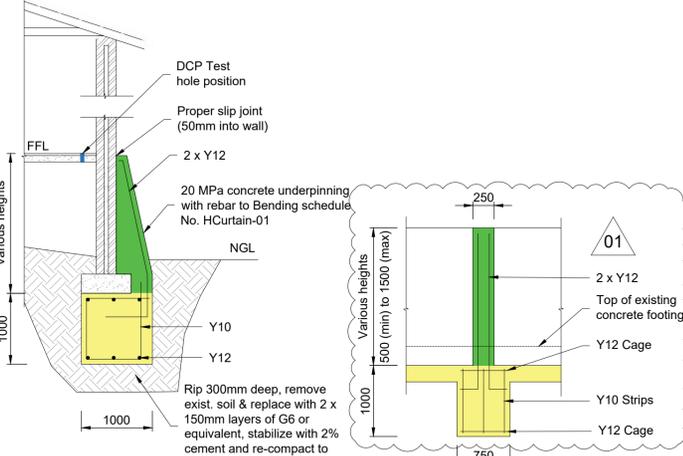
STORMWATER MANAGEMENT - Aprons



SECTION D - D
Concrete apron

CONCEPT PROPOSAL : REMEDIAL CONCEPTS

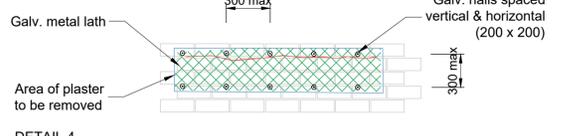
ACTIVITY 2 : STRENGTHENING OF WALLS



DETAIL 1 - SECTION
Underpinning & Strengthening of wall

DETAIL 1 - ELEVATION
Wall Strengthening

ACTIVITY 4 : CRACK REPAIR

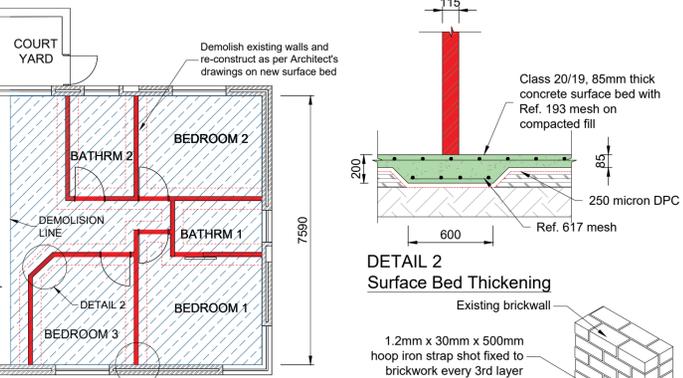


DETAIL 4
Crack repair : expanded metal lath

- 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

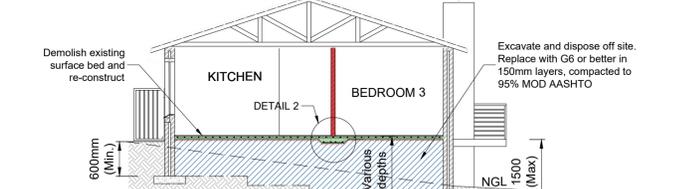
ACTIVITY 4 : DEMOLISH & RE-CONSTRUCT SURFACE BEDS and WALLS



SURFACE BED DEMOLITION
255mm Thick Concrete Slab

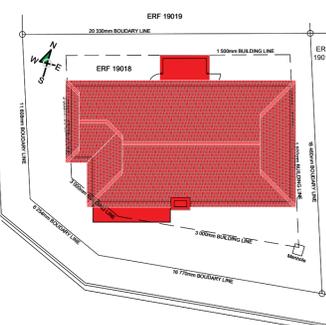
DETAIL 2
Surface Bed Thickening

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 1908
House Curtain - 21 Wassenaar Street, Seemeepark, Mosselbay

CLIENT
NATIONAL HOME BUILDERS
NHBC
REGISTRATION COUNCIL
Centennial Place
East Block
Century City Boulevard
Milnerfontein
Tel: (021) 913 9210
Cell: (083) 475 3546
e-mail: dsl@nhbc.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
 Design
 Construction
 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

| DATE | DRAWN | SCALE | CHECKED | MAINTENANCE | YES |
|----------|-------|----------|---------|-------------|-----|
| May 2025 | SOD | AS-SHOWN | MJB | | |

ERF 19018, 21 Gull Height, Wassenaar Street, Seemeepark, Mosselbay

ENGINEERING DESIGNS - Structural & Civil services

Competent Person:
M.J. Badenhorst (Pr.Tech.Eng)(Pr.CPM)
ECSA # 200270009
NHBC Code # 601551
Cell: 066 105 1226
m.jbadenhorst1@outlook.com
Signature: *M.J. Badenhorst*

Drawing number: HCurtain - Struct 01
Drawing size: A1
Rev: 01

Client Approval: