



FREE STATE AFTERCARE CENTRE

PROGRESS REPORT

Abstract

The CiviLab@CUT has been approached by Doxa Deo (Church) to be part of the upgrading of the Free State Aftercare Centre's facilities

Compiled: 21/03/2023

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1 INTRODUCTION

1.1 Purpose of the Report

The Civilab@CUT has been approached by Doxa Deo (Church) to be part of upgrading the Free State Aftercare Centre's facilities, and they required the expertise of a reputable and experienced engineering and materials testing company which in turn made the Civilab@CUT their natural selection.

1.2 Scope of Report

The planned upgrades for the Free State Aftercare Centre's facilities encompass a range of improvements such as extending the main stage, converting the tuckshop into a coffee shop, removing an internal wall to create a new reception area, upgrading the bathrooms, installing a new outdoor fireplace, demolishing the boundary wall in front of the children's ministry area, and constructing a new walkway to connect to Lettie Fouché school located adjacent to the site.

1.3 Background and Context

Doxa Deo (Church) signed a three-year contract with the Free state aftercare centre to host church services on the aftercare's premises, this project will provide a more pleasant and accessible space for the community to come together, enhancing community building and promoting social interactions. This, in turn, can have a positive impact on the overall well-being of the community by fostering a sense of belonging, increasing social cohesion, and promoting community development. Both Doxa Deo and Civilab@CUT share a commitment to community enhancement and social responsibility, this became a huge factor in their collaboration. Both organizations have demonstrated a commitment to improving the lives of people in the community. Their partnership and this project were driven by a shared desire to positively impact the community by enhancing the facilities at the Free State Aftercare Centre.

2 METHODOLOGY

2.1 Site Surveying (Data Collection)

Students and members of the Civilab@CUT team were tasked to survey the existing buildings and surrounds. On the 3rd of February 2023, one group of volunteers along with Mr. de Villiers took all the existing dimensions/measurements of the main hallway, bathrooms, tuckshop, and entrance. A second group of students and Mr. Steenkamp took measurements of the children's ministry and outside perimeter. The existing buildings were drawn on plans by the volunteers (CUT students) and Mr. de Villiers on Autodesk AutoCAD. Plans had to be redrawn since there were no official building plans at the municipal authorities. Drone images and footage/videos of the premises and facilities were also captured by Mr. Waters for advertisement/marketing purposes for Doxa Deo.



Figure 1: Mr Steenkamp and Civilab students taking measurements of the building

2.2 Drafting of Plans

The second step entailed drawings of the proposed changes to be made at the facilities. Proposed plans were drawn up by Mr. de Villiers. The proposed plans indicate all the proposed changes and amendments, to the premises, required by the client (Doxa Deo). 3D renderings of the proposed changes were also drafted on Autodesk Revit with the assistance of Mr. Pretorius (external partner).

3 OVERVIEW OF THE IMPACT OF THE PROJECT ON THE COMMUNITY

- Firstly, the extension of the main stage and the transformation of the tuckshop into a coffee shop will provide a better space for events and gatherings, such as church services, conferences, and community events. This will enhance the overall experience for attendees, making the events more enjoyable and comfortable.
- Secondly, the new reception area, upgraded bathrooms, and the new outdoor fireplace will make the facilities more welcoming and comfortable for visitors, creating a positive impression of the centre and promoting a sense of community.
- Thirdly, the demolition of the boundary wall and the construction of the new walkway connecting to Lettie Fouché school will provide easier and safer access to the facilities, making it more accessible for the community members, especially children.

4 CONCLUSION

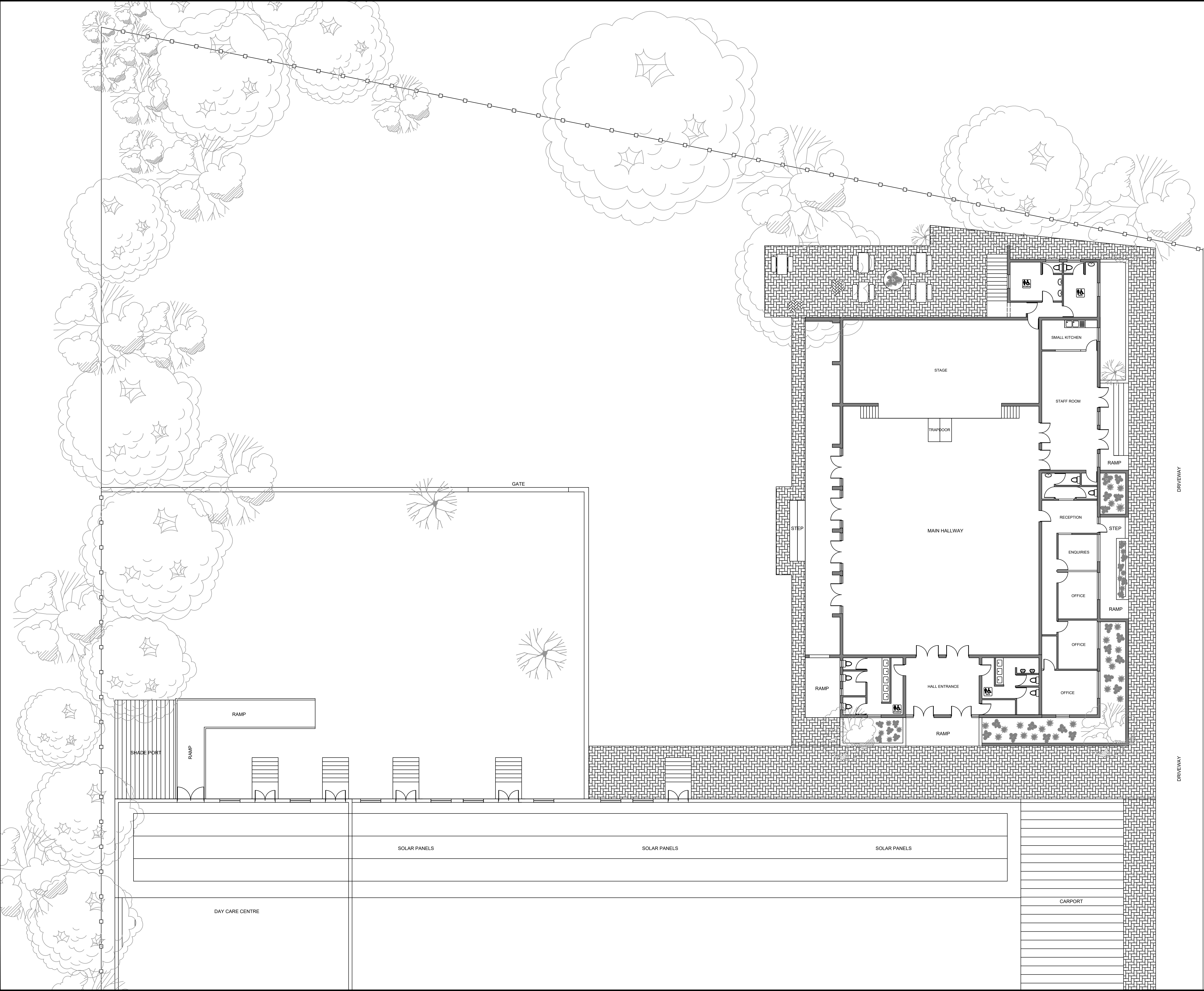
The project/collaboration was successful. Students got the necessary exposure to basic surveying and got exposure to Autodesk software. The client could use the plans to submit them to a contractor for renovation work. Renovation and demolition work has already started on the 2nd of March. The Civilab@CUT is proud to be a contributing partner to this specific community project.

5 LOCATION OF SITE



Figure 2: Google Earth Image of Site Location

6 APPENDICES FOR EXISTING AND PROPOSED UPGRADES



Notes:

CLIENT:

Doxa Deo North
46 Bloemendal St
Rayton
Bloemfontein
9301

CONSULTANT

CivilLab@CUT
6 Suid St.
Bloemfontein Central
Bloemfontein
9301



DRAWING DESCRIPTION

NEW PROPOSED UPGRADES:

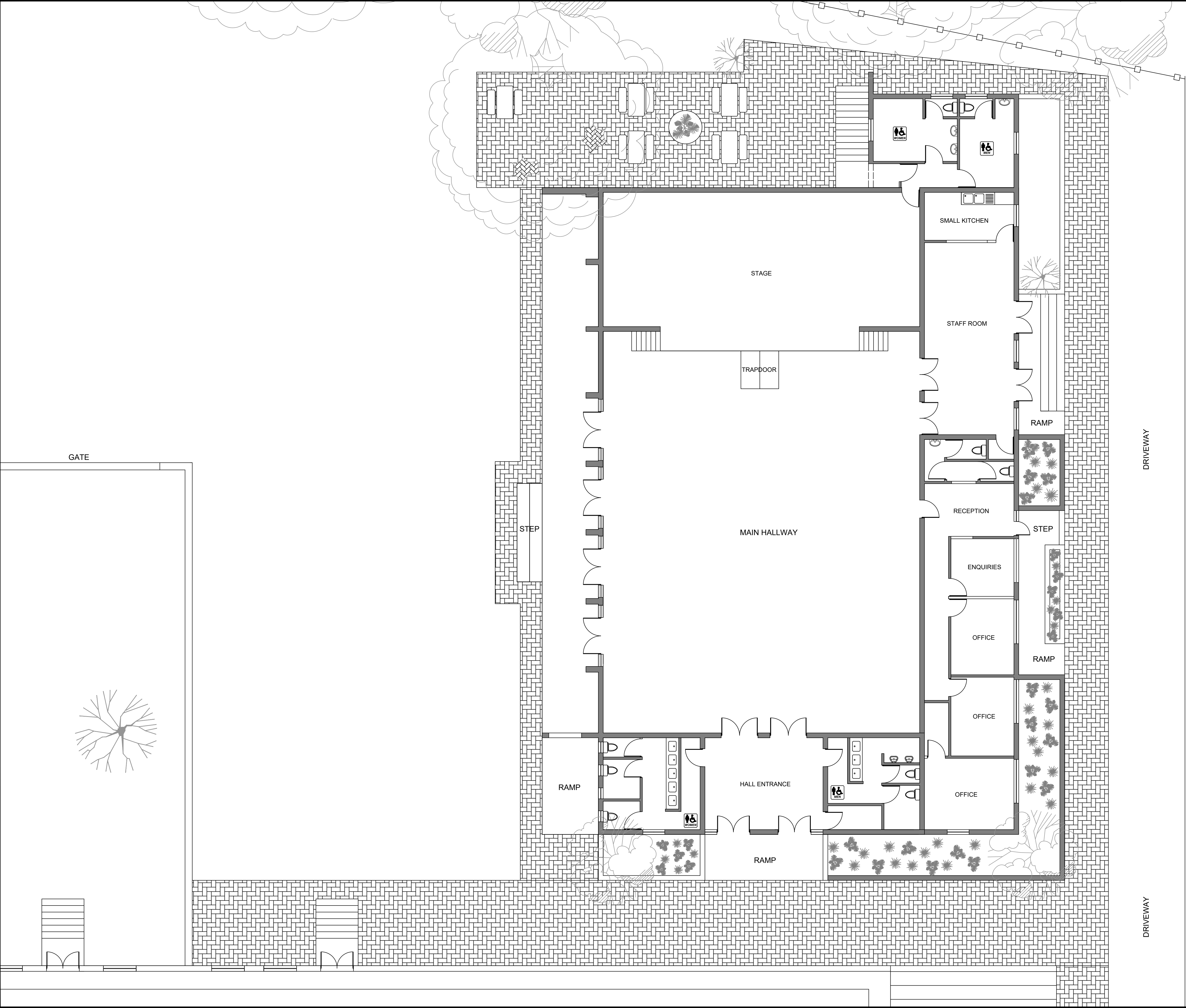
VRYSTAAT
NASORGSENTRUM

EXISTING SITE PLAN

DRAWN BY
CivilLab@CUT

SIGNATURE

SCALE	SHEET SIZE	REVISION	DATE
NTS	A3	R0	15/02/2023



Notes:

CLIENT:

Doxa Deo North
46 Bloemendal St
Rayton
Bloemfontein
9301

CONSULTANT

CiviLab@CUT
6 Suid St.
Bloemfontein Central
Bloemfontein
9301



DRAWING DESCRIPTION

NEW PROPOSED UPGRADES:

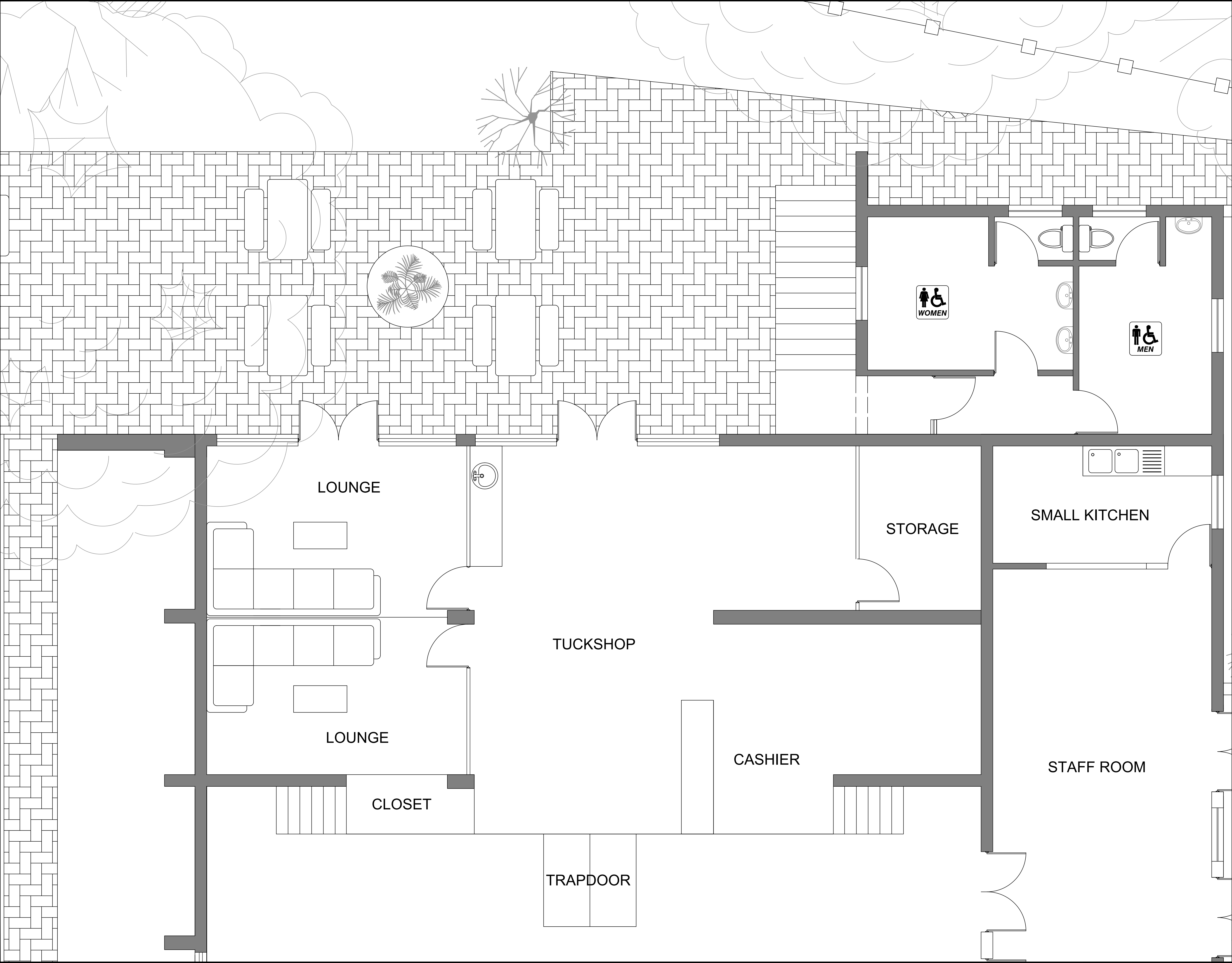
VRYSTAAT
NASORGSENTRUM

EXISTING HALL PLAN

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NTS	A3	R0	15/02/2023



Notes:

CLIENT:

Doxa Deo North
46 Bloemendal St
Rayton
Bloemfontein
9301

CONSULTANT

CivilLab@CUT
6 Suid St.
Bloemfontein Central
Bloemfontein
9301



DRAWING DESCRIPTION

NEW PROPOSED UPGRADES:

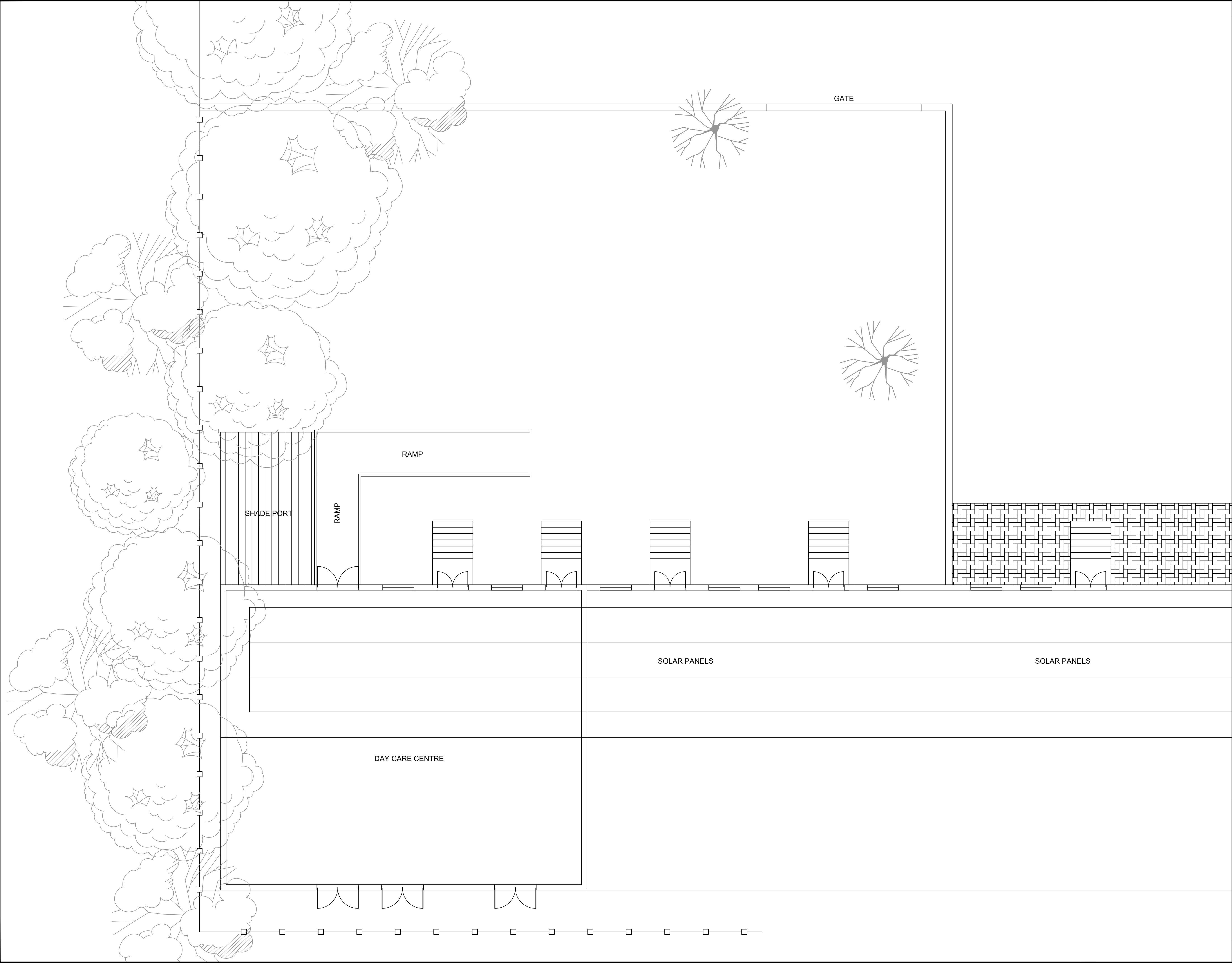
VRYSTAAT
NASORGSENTRUM

EXISTING TUCK SHOP PLAN

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Notes:

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Doxa Deo North
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Rayton
Bloemfontein
9301

CONSULTANT

CiviLab@CUT
6 Suid St.
Bloemfontein Central
Bloemfontein
9301



DRAWING DESCRIPTION

NEW PROPOSED UPGRADES:

VRYSTAAT
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EXISTING DAYCARE PLAN

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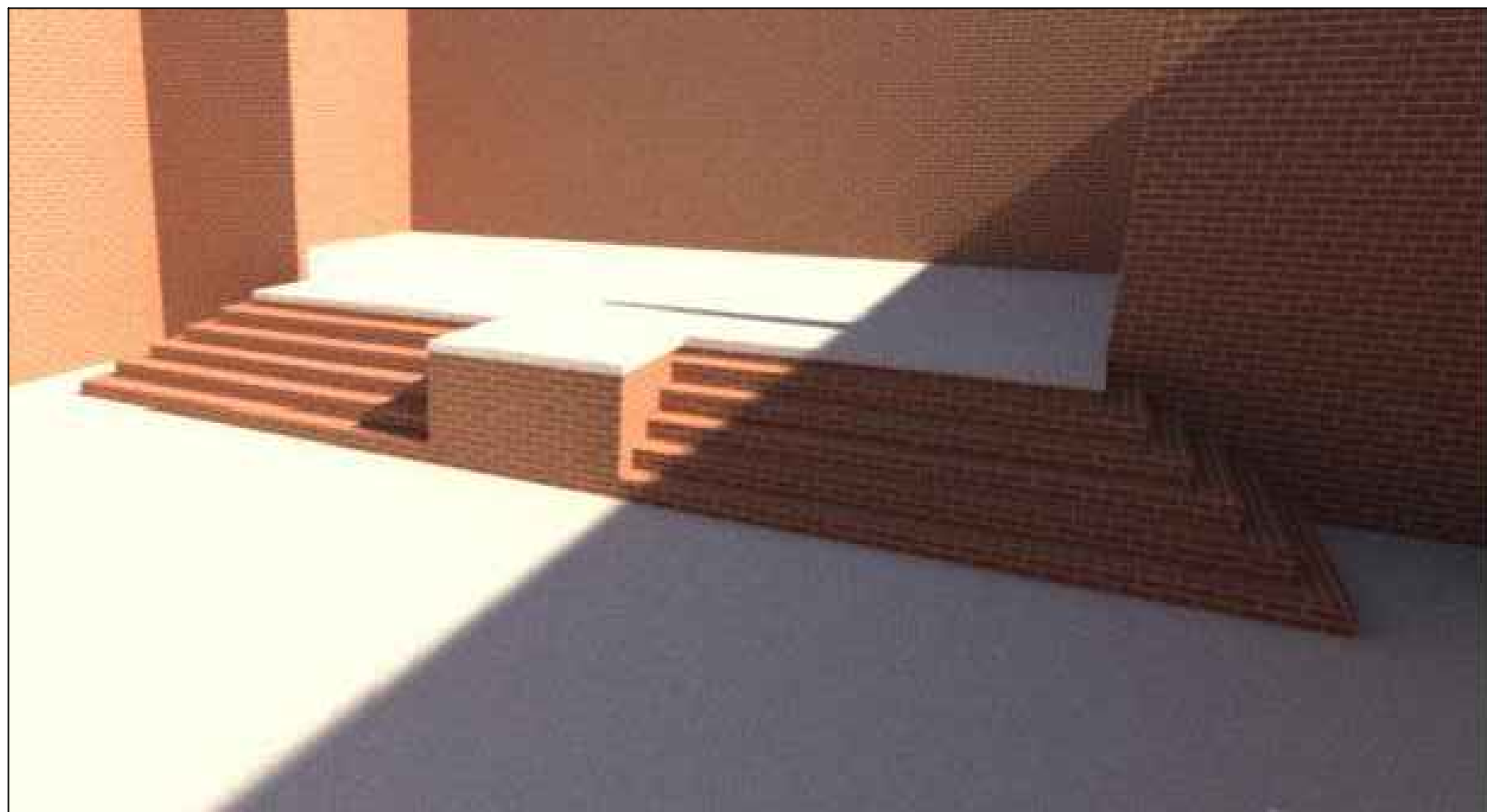
SCALE	SHEET SIZE	REVISION	DATE
NTS	A3	R0	15/02/2023

Notes:

PROPOSED STAIRWAY CONNECTING
PLATFORM TO COFFEE SHOP AREA



PROPOSED OUTSIDE WALL OPENING



PROPOSED STAGE EXTENSION



PROPOSED OPENING OF WALL BETWEEN
HALL & RECEPTION AREA

CLIENT:

Doxa Deo North
46 Bloemendal St
Rayton
Bloemfontein
9301

CONSULTANT

Civilab@CUT
6 Suid St.
Bloemfontein Central
Bloemfontein
9301



DRAWING DESCRIPTION

NEW PROPOSED UPGRADES:

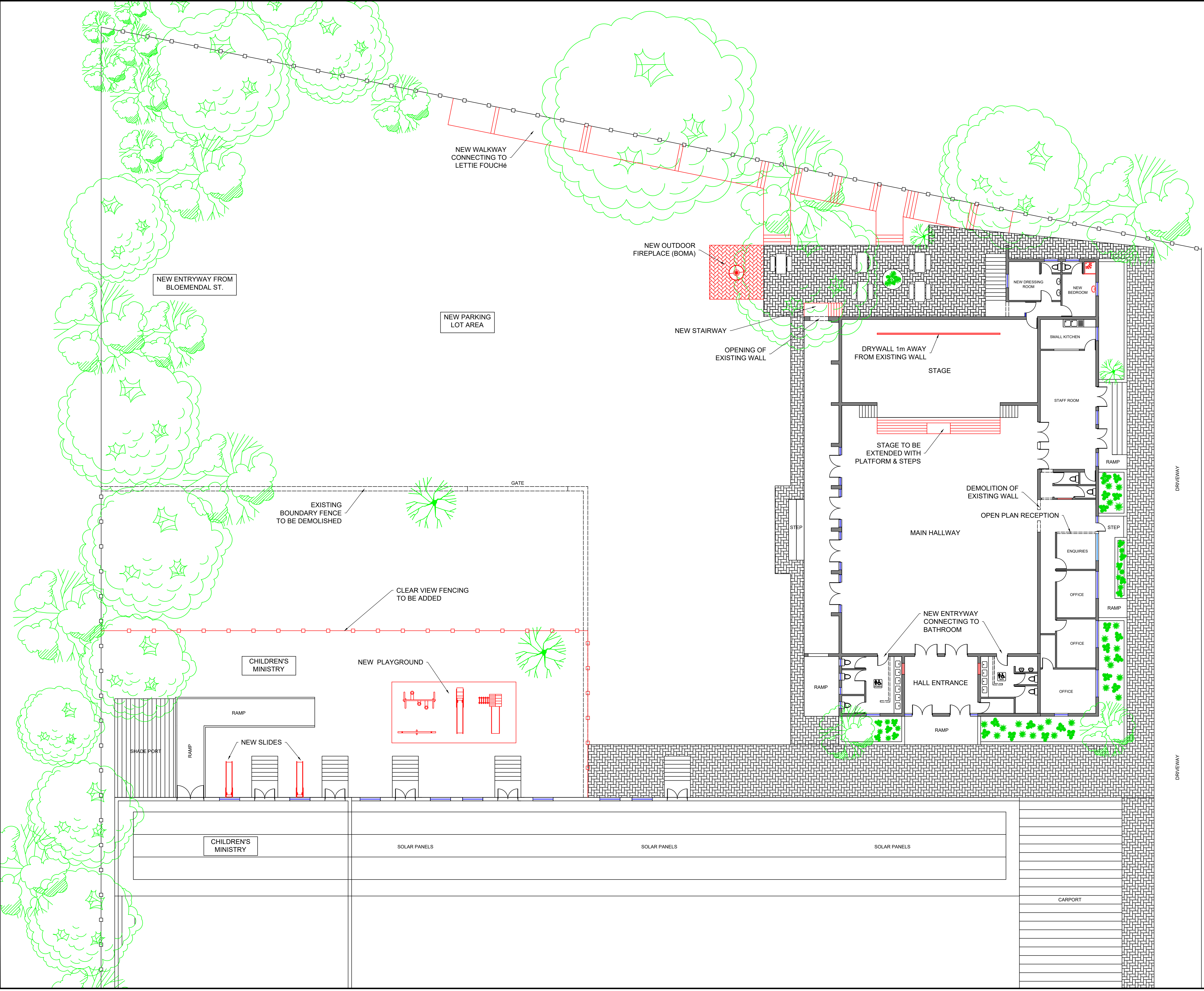
VRYSTAAT
NASORGSENTRUM

CONCEPTUAL DESIGNS

DRAWN BY
Civilab@CUT

SIGNATURE

SCALE NTS	SHEET SIZE A3	REVISION R0	DATE 19/02/2023
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Notes:

CLIENT:

Doxa Deo North
46 Bloemendal St
Rayton
Bloemfontein
9301

CONSULTANT
CiviLab@CUT
6 Suid St.
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Bloemfontein
9301

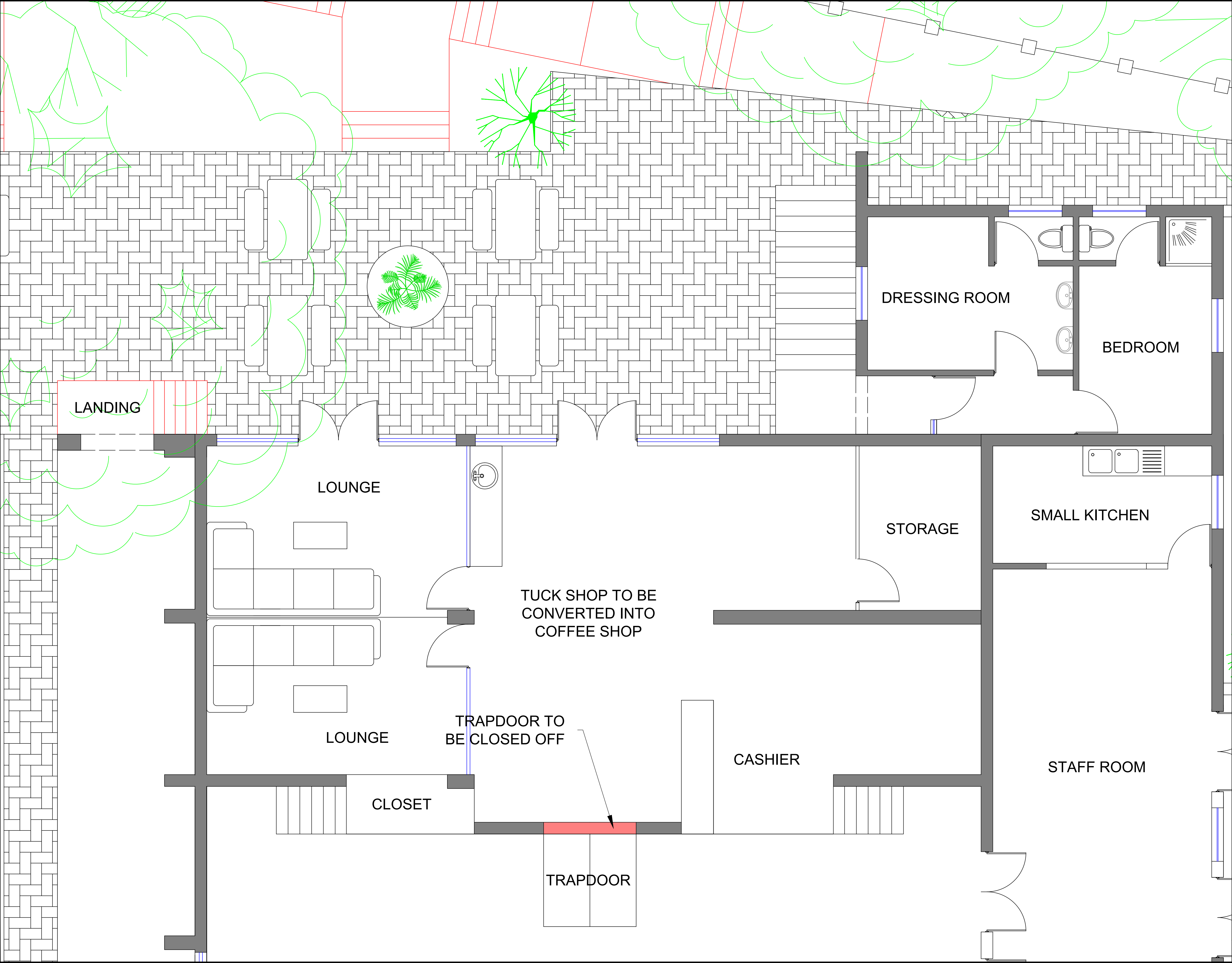


DRAWING DESCRIPTION
NEW PROPOSED UPGRADES:

**VRYSTAAT
NASORGSENTRUM**

PROPOSED SITE PLAN

DRAWN BY CiviLab@CUT			SIGNATURE
SCALE NTS	SHEET SIZE A3	REVISION R0	DATE 17/02/2023



Notes:

CLIENT:

Doxa Deo North
46 Bloemendal St
Rayton
Bloemfontein
9301

CONSULTANT

Civilab@CUT
6 Suid St.
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9301



DRAWING DESCRIPTION

NEW PROPOSED UPGRADES:

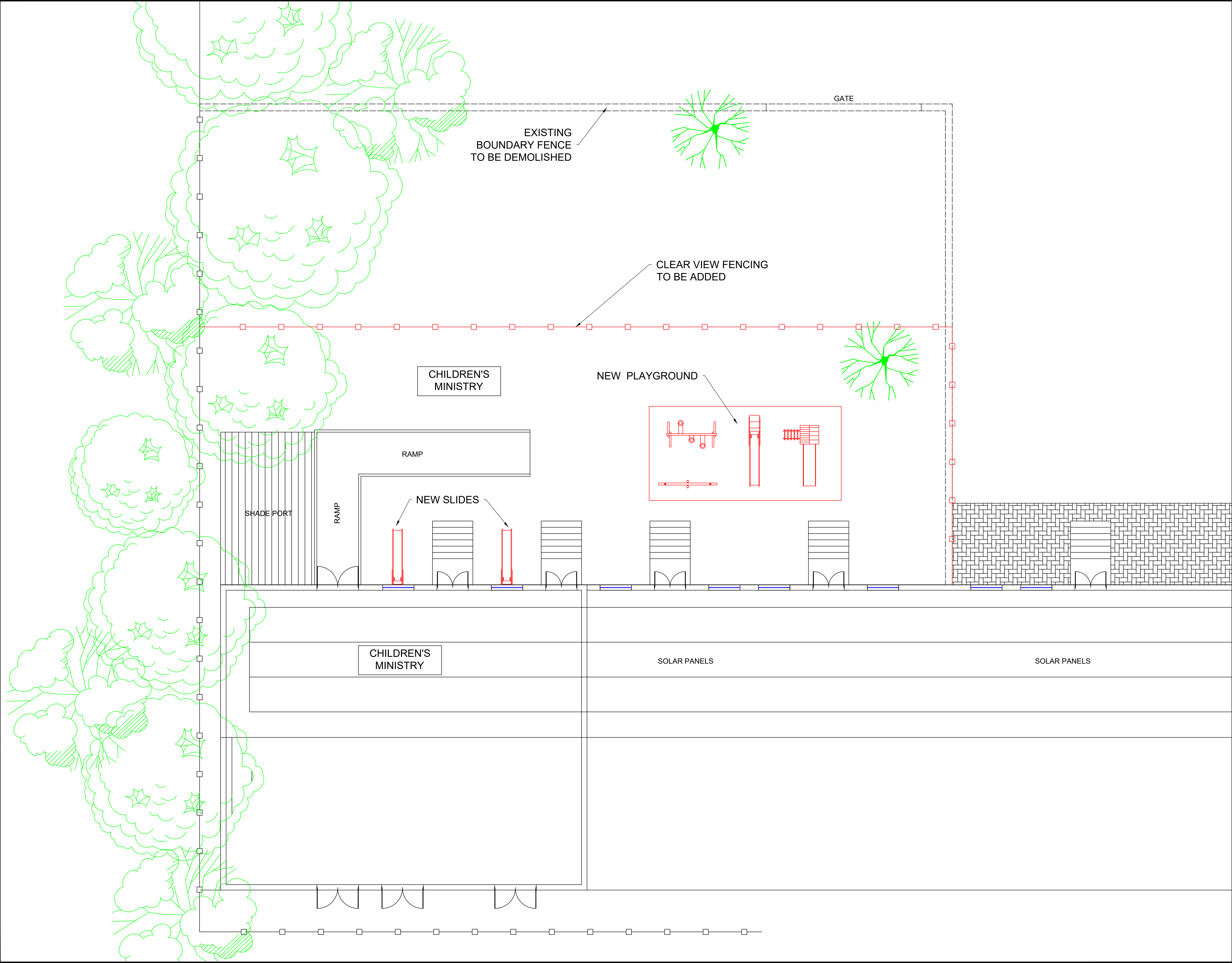
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NASORGSENTRUM

PROPOSED COFFEE SHOP

DRAWN BY
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Doxa Deo North 46 Bloemendal St Rayton Bloemfontein 9301			
CONSULTANT			
CiviLab@CUT 6 Suid St. Bloemfontein Central Bloemfontein 9301			
DRAWING DESCRIPTION			
NEW PROPOSED UPGRADES:			
VRYSTAAT NASORGSENTRUM			
PROPOSED CHILDREN'S MINISTRY			
DRAWN BY CiviLab@CUT			SIGNATURE
SCALE NTS	SHEET SIZE A3	REVISION R0	DATE 17/02/2023