

NQUTHU LOCAL MUNICIPALITY
DEPARTMENT OF TECHNICAL SERVICES

**CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL
IN WARD 4**

BID NO: NQULM016/2023-2024

BID DOCUMENT

AUGUST 2023

NAME OF BIDDER:

BID AMOUNT:

TEL NUMBER:

FAX NUMBER:

CIDB REGISTRATION NO:

PREPARED FOR:

NQUTHU LOCAL MUNICIPALITY
Directorate: Technical Services
Private Bag x 5521
NQUTHU
3135

Tel: (034) 271 6100

Fax: (034) 271 6111

PREPARED BY:

REFLECTIVE THINKINGS TRADING (PTY) LTD
66 Wren Way
YELLOWWOOD PARK
4011

Tel: (031) 462 6358

Fax: (031) 462 7915



EXPANDED PUBLIC WORKS PROGRAMME



NQUTHU LOCAL MUNICIPALITY

DEPARTMENT OF TECHNICAL SERVICES

CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL IN WARD 4

NQULM016/2023-2024

SECTION 1

SUMMARY INFORMATION



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CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL IN WARD 4
CONTRACT NO: NQULM016/2023-2024

1.1. BID SUMMARY

Name of Bidder : _____

Bid Price : _____

Time for Completion (Calendar Weeks) : _____

Has any alterations been made : Yes / No *

Has an alternative bid been submitted : Yes / No *

Did the Bidder attend official site inspection : Yes / No *

* Delete whichever is not applicable.

In the event of any conflict between the data given above and the data given in the Bid Form, Contract Data and other relevant portions of the Procurement Document, the data given in the Bid Form, Contract Data and other relevant portions of Procurement Document shall apply.

Signature of Bidder : _____

Date : _____

CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL IN WARD 4

CONTRACT NO: NQULM016/2023-2024

1.2. BID ADVERTISEMENT

INVITATION OF BID

Invitation to tenders for the upgrading of:

Tender Name	Tender No.	CIDB Grading	Date of Site Meeting	Tender Closure
CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL IN WARD 4	NQULM016/2023-2024	4GB or Higher	Tuesday, 29 August 2023 At 12h00	Monday, 04 September 2023 At 12h00

Preferences are offered to tenderers who complete the preference schedule and who are found to be eligible for the preference claimed.

Tender documents may be collected during office hours (08h00 to 15h30 Mon – Thurs, Friday at 08h00 - 14h30 at Nquthu Municipal offices, 83 / 11 Mdlalose Street, Nquthu, Cashiers office from Monday, 21 August 2023. Each document will be issued upon payment of non-refundable amount of **R632.00**.

No tender documents will be sold on the day of the site inspection and closing date. Each document will be issued upon payment of non-refundable amount, please refer to the table above. The Municipality does not accept cheques and Electronic Funds Transfer payments.

Specific Goals

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system)	Verification Documents
Specific goal 1: Ownership (Max Points =10)		
Business owned more than 50% by black person	10	ID copy of Directors and CSD
Business owned less than 50% by black person	5	ID copy of Directors and CSD
Specific goal 2: RDP (Max Points =10)		
Promotion of enterprises located within: Nquthu municipal area	10	CSD and proof of municipal accounts/affidavit
UMzinyathi District Municipality	6	CSD and proof of municipal accounts/affidavit/proof of residence signed by ward Councillor
Province of KwaZulu Natal	4	CSD and proof of municipal accounts/affidavit/proof of residence signed by ward Councillor

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

Queries relating to the issue of this document may be addressed to:

Contact Person	Tel No	Fax No	Email
Mr. S Memela – Nquthu Municipality	034 271 6100	034 271 6111	sikhumbuzom@nquthu.gov.za
Mr. N Mkhize – Reflective Thinkings	078 984 2898	031 462 7915	info@reflectivethinkings.co.za

Compulsory clarification meetings with representatives of the Employer will take place at the venue:

Nquthu Municipal Offices, 83/10 Mdlalose Street, Nquthu.

The above said date (see "date of site meeting"). After the site clarification meeting, representatives of the client will take prospective tenderers to the project site.

Tenders may only be submitted on the tender document that was issued. Requirements for sealing, addressing, delivery, openings and assessment are stated in the tender data. Nquthu Municipality request all service providers to register in their database and CSD.

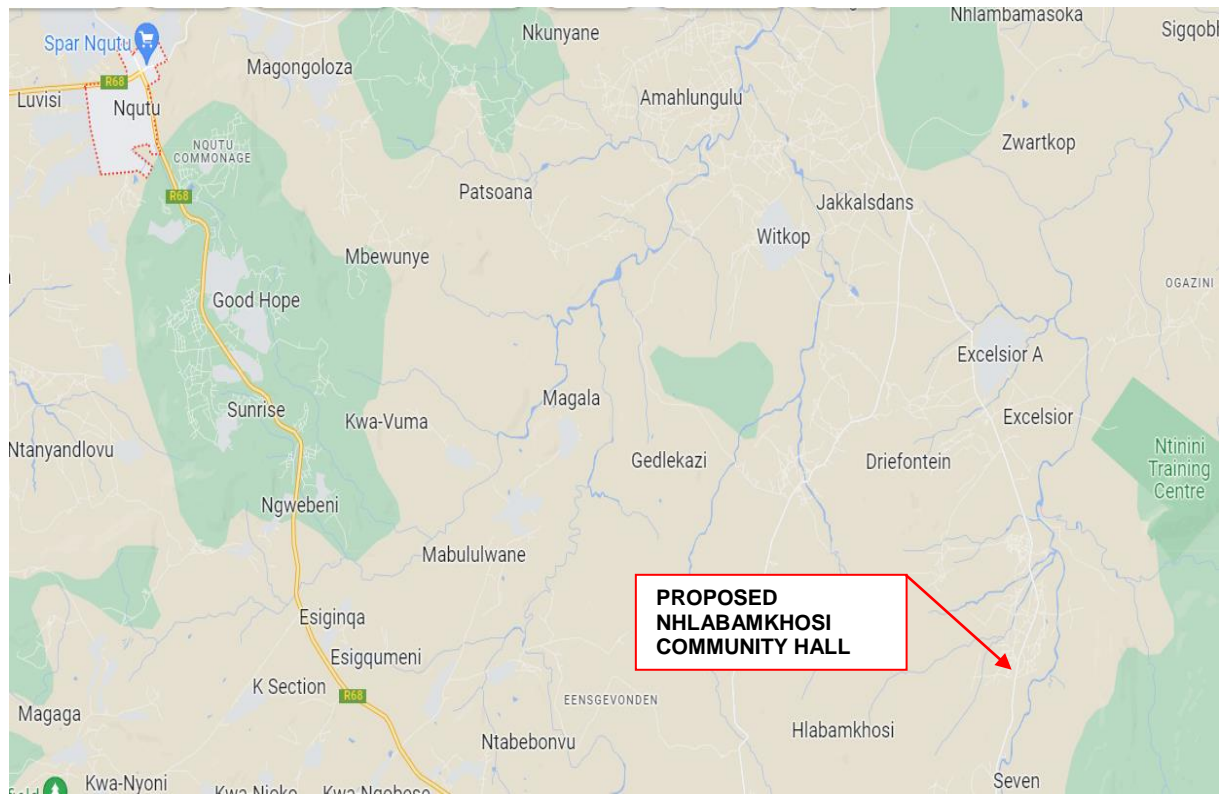
The municipality is not obliged to accept the lowest or any bidder. Bidder will be adjudicated in terms of the Council's Supply Chain Management Policy on the 80/20 Preferential Point System, it is therefore essential that the official tender document must be used.

CLOSING DATE AND SUBMISSION OF TENDERS:

As per above table (see "tender closure"), at the offices of Nquthu Municipality at 12:00. No late tenders will be accepted. Tenders should be clearly marked on their envelopes with the name of tender and tender number.

Mr. MB Jiyane
Municipal Manager

1.3. LOCALITY MAP



1.4. LIST OF CONTRACT DOCUMENTS

The following documents form part of this contract:

- (i) **Volume 1** : General Conditions of Contract for Construction Works, 2015, third edition, (GCC 2015) published by the South African Institute of Civil Engineering (SAICE) and endorsed by the Institute of Municipal Engineering of South Africa (IMESA), the South African Association of Consulting Engineers (SAACE), and the South African Federation of Civil Engineering Contractors (SAFCEC). This document satisfies the Construction Industry Development Board requirements for a standard form of contract and is suitable for use in procurement documents that are prepared in accordance with the provisions of SANS 10403, Formatting and Compilation of Construction Procurement Documents. This publication is available from any of the above-mentioned bodies and tenderers must obtain copies at their own cost.
- (ii) **Volume 2** : South African Bureau of Standards, SABS 1200 Series (or know described as SANS 1200 Series), as amended, published by the Standards South Africa (STANSA), a division of South African Bureau of Standards and endorsed by South African Institute of Civil Engineering (SAICE), the South African Association of Consulting Engineers (SAACE), and the South African Federation of Civil Engineering Contractors (SAFCEC). These publications are available from any of the above-mentioned bodies and tenderers must obtain their own copies.
- (iii) **Volume 3** : The project document in which the following are bound:
- (a) **Summary Information**
 - (b) **The Bid**
 - T1 Bid Procedures
 - T1.1 Notice and Invitation to Bid
 - T1.2 Bid Data
 - T2 Returnable Documents
 - T2.1 List of Returnable Documents
 - T2.2 Returnable Schedules
 - (c) **The Contract**
 - C1 Agreement and Contract Data
 - C1.1 Form of Offer and Acceptance
 - C1.2 Contract Data
 - C1.3 Form of Guarantee
 - C2 Pricing Data
 - C2.1 Pricing Instructions
 - C2.2 Bill of Quantities
 - C3 Scope of Work
 - C3.1 Description of the Works
 - C3.2 Engineering
 - C3.3 Procurement
 - C3.4 Construction
 - C3.5 Portion 1: Works Specifications
 - C3.6 Portion 2: Amendment to Standardised Specifications
 - C3.7 Portion 3: Health and Safety Specifications
 - C3.8 Portion 4: Generic Labour Intensive Specifications
 - C3.9 Portion 5: Provision of Temporary Workforce

White

Pink

White

Green

Yellow

Blue

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- C3.10 Portion 6: Provision of Structured Training
- C3.11 Portion 7: Certification
- C3.12 Portion 8: Facilities and Requirements
- C3.13 Management
- C3.14 Annexes

- C4 Site Information
 - C4.1 Site Information
 - C4.2 Drawings

Green

- (iv) The Employer's letter of acceptance, the guarantee and all addenda issued during the period of the bid.

Please note that in submission of Bid, only **Volume 3** is to be submitted.



NQUTHU LOCAL MUNICIPALITY
DEPARTMENT OF TECHNICAL SERVICES

**CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL
IN WARD 4**

NQULM016/2023-2024

PART T1

BIDDING PROCEDURES



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T1.1. BID NOTICE AND INVITATION TO BID

T1.1.1. INVITATION TO BID

The NQUTHU LOCAL MUNICIPALITY Directorate: Technical Services invites bidders for:

Project Title	: CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL IN WARD 4
Bid No	: NQULM016/2023-2024

Briefing Date	: 29/08/2023	Closing Time	: 12h00
Closing Date	: 04/09/2023	Validity Period	: 30 days

T1.1.2. REGISTRATION WITH CIBD

Bidders should have a Construction Industry Development Board (CIDB) contractor grading of **4GB or Higher**.

T1.1.3. JOINT VENTURES

Bids by Joint Ventures will be required to be accompanied by the Document of Formation of the joint venture duly registered and authenticated by a Notary Public or other official deputed to witness sworn statements in which is defined precisely the conditions under which the joint venture will function, its period of duration, the persons authorised to represent and obligate it, the address of correspondence, the participation of several firms forming the joint venture and any information necessary to permit a full appraisal of its functioning including a clause to the effect that the members of the joint venture are jointly and severally bound.

T1.1.4. ELIGIBILITY WITH RESPECT TO BIDDING

Potentially Emerging (PE) enterprises who satisfy criteria stated in the Bid Data may submit bid offers.

Only bidders who are responsive to the following responsiveness criteria are eligible to submit bids:

<input checked="" type="checkbox"/>	<p><i>Copy of CIDB Registration certificate.</i></p> <p>Only those bidders who are registered with the CIDB in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum bided for a 4GB or Higher class of construction work, are eligible to submit bids.</p>
<input checked="" type="checkbox"/>	<p>Joint ventures are eligible to submit bids provided that:</p> <ol style="list-style-type: none">every member of the joint venture is registered, or have applied for registration, or is capable of being so registered prior to submission with the CIDB;the lead partner has a contractor grading designation in the 4GB or Higher class for construction work; andthe combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum bided for a 4GB class of construction work as stipulated above.the Joint Venture Agreement must also be submitted with this bid.
<input checked="" type="checkbox"/>	<p>Bid offer must be properly received on the bid closing date and time specified on the invitation, fully completed and signed in black ink (All as per Standard Conditions of Bid).</p>

<input checked="" type="checkbox"/>	Certificate of Attendance at Site visit and/ or Clarification Meeting (see returnable schedule)
<input checked="" type="checkbox"/>	Specific goals verification documents (Utility, proof of residential address and CSD registration document)
<input checked="" type="checkbox"/>	The current Copy Tax Clearance Certificate issued by the South African Revenue Services (see returnable schedule)
<input checked="" type="checkbox"/>	VAT Registration Certificate issued by the South African Revenue Services (see returnable schedule)
<input checked="" type="checkbox"/>	30% of the work will have to be sub – contracted to local service providers (CIDB Registered and complaint contractors) on Council's Database.
<input checked="" type="checkbox"/>	The Bidder must be registered on the Nquthu Local Municipality Database.
<input checked="" type="checkbox"/>	Copy of Cancelled Cheque from the Bank.
<input checked="" type="checkbox"/>	Company registration Document and Certified copies of IDs of the members of the organization.
<input checked="" type="checkbox"/>	Form of intent by bank or Insurance company to provide surety.
<input checked="" type="checkbox"/>	Proof of Purchase of Bid Document
<input checked="" type="checkbox"/>	Submission of Declaration of Interest as per Part T2
<input checked="" type="checkbox"/>	Submission of other compulsory returnable schedules or documents as per Part T2

T1.1.5. EVALUATION CRITERIA

This bid will be evaluated according to the preferential procurement model in the Preferential Procurement Policy Framework Act (PPPFA), Act 5 of 2000:

<input checked="" type="checkbox"/> 80/20 Preference point scoring system	<input type="checkbox"/> 90/10 Preference point scoring system
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Preference point scoring system will be scored as per submitted specific goals verification documents.

T1.1.6. BID DOCUMENT COLLECTION

Tender documents may be collected during office hours (08h00 to 14h30 Mon – Thurs, Friday at 08h00 - 14h30 at Nquthu Municipal offices, 83 / 11 Mdlalose Street, Nquthu, Cashiers office from **Monday, 23 August 2023**. Each document will be issued upon payment of non-refundable amount of **R632.00**. The Municipality does not accept cheques and Electronic Funds Transfer payments

T1.1.7. BID BRIEFING SESSION

Will be held on **Tuesday, 29 August 2023 at 12h00** at the Nquthu Municipal Offices (Council Chamber), 83/10 Mdlalose Street, Nquthu.

T1.1.8. QUERIES

Any queries regarding the bid document or any related matter prior to submission of bids must be directed to:

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

REFLECTIVE THINKINGS TRADING (PTY) LTD

Mr. N Mkhize

Cell No : 078 984 2898

Fax No : 031 462 7915

E-mail : info@reflectivethinkings.co.za

T1.1.9. SUBMISSION OF BID

Bids, in sealed envelopes clearly endorsed with the respective project name are to be placed in the bid box at the Nquthu Municipality's offices, 83/10 Mdlalose Street, Nquthu – on or before 12h00 noon **on Monday, 04 September 2023**. Bids delivered by courier services will not be accepted.

The complete bids in duly sealed envelopes and clearly marked:

CONTRACT NO: NQULM016/2023-2024

**CONSTRUCTION OF NHLABAMKHOSI
COMMUNITY HALL IN WARD 4**

CLOSING DATE :

04 September 2023

The complete bid documents shall be deposited into:

Bid Box at:

**(Nquthu Local Municipality, 83/10 Mdlalose
Street, NQUTHU)**

T1.1.10. OPENING OF BIDS

The location for opening of the valid bid offers, immediately after the closing time thereof shall be at the offices of the Nquthu Local Municipality.

T1.1.11. MANDATORY OBJECTION PERIOD

All administrative actions and decisions taken by the Municipality through its officials may become subject to an appeal process. As such, in terms of Section 49 of the Municipal Supply Chain Management Regulations No 27636 of 2005, a period of fourteen (14) days will be set aside to allow for the submission of appeals against the award/ process of making the award to a particular bidder by any interested party. Except in scenarios where the decision of a duly appointed appeal panel sets aside the appointment of the successful bidder as the service provider for this contract, the appointment will then be confirmed by the municipality in writing.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

T1.2. BID DATA

The Standard Conditions of Bid make several references to the Bid Data for details that apply specifically to this bid. The Bid Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Bid.

Each item of data given below is cross-referenced to the clause in the Standard Conditions of Bid to which it mainly applies.

Heading	Clause	Data
T1.2.1. ACTIONS	F.1.1	The employer is the NQUTHU LOCAL MUNICIPALITY in its DEPARTMENT OF TECHNICAL SERVICES.
T1.2.2. BID DOCUMENTS	F.1.2	<p>The bid documents issued by the employer comprise:</p> <p>Part T1: Bidding Procedures</p> <p>T1.1 Bid notice and invitation to bid (White)</p> <p>T1.2 Standard and Special Conditions of Bid (Pink)</p> <p>T1.3 Bid Data (Pink)</p> <p>Part T2: Returnable Schedules</p> <p>T2.1 List of returnable documents (White)</p> <p>T2.2 Bid schedules (White)</p> <p>Part C1: Agreements and Contract Data</p> <p>C1.1 Form of offer and acceptance (Green)</p> <p>C1.2 Contract Data (Green)</p> <p>C1.3 Other contract forms (Green)</p> <p>Part C2: Pricing data</p> <p>C2.1 Pricing instructions (Yellow)</p> <p>C2.2 Pricing Schedules / Bills of Quantities (Yellow)</p> <p>Part C3: Scope of work</p> <p>C3 Scope of work (Blue)</p> <p>Part C4: Site Information</p> <p>C4 Site Information (Green)</p> <p>Note : This bid document has been formatted and compiled under the headings for a single volume approach as contained in Table 7 of the CIDB's "Standard for Uniformity in Construction Procurement."</p>
T1.2.3. COMMUNICATION AND EMPLOYER'S AGENT	F.1.4	<p>The employer's agent is:</p> <p>Name : REFLECTIVE THINKINGS TRADING (PTY) LTD</p> <p>Capacity : Engineer</p> <p>Address : 66 Wren Way Yellowwood Park, 4011</p> <p>Tel : 031 462 6358</p> <p>Fax : 031 462 7915</p> <p>e-mail : info@reflectivethinkings.co.za</p>
T1.2.4. ELIGIBILITY	F.2.1	Only those bidders who satisfy the criteria stated in the bid data and the bidder, or any of it's principals, is not under any restrictions to do business with the employer.
T1.2.5. CLARIFICATION MEETING	F.2.7	Details of the clarification meeting are as stated in the Bid Notice and Invitation to Bid
T1.2.6. ALTERNATIVE	F.2.12	If bidder wishes to submit an alternative bid offer, the only criteria

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

Heading	Clause	Data
BID OFFERS		<p>permitted for such alternative tender offer is that it demonstrably satisfies the Employer's standards and requirements, the details of which may be obtained from the Employer's Agent.</p> <p>Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.</p> <p>Acceptance of an alternative tender offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements.</p> <p>The modified Pricing Data must include an amount equal to 5% of the amount tendered for the alternative offer to cover the Employer's costs of confirming the acceptability of the detailed design before it is constructed.</p>
T1.2.7. SUBMITTING A BID OFFER	F.2.13.3	Parts of each bid offer communicated on paper shall be submitted as an original, with no additional copies.
	F.2.13.5	The details for delivery of Bid Documents are as stated in the Bid Notice and Invitation to Bid.
	F.2.13.5 F.3.5	A two-envelope procedure will not be followed.
T1.2.8. CLOSING TIME	F.2.15	The closing time is as stated in the Bid Notice and Invitation to Bid.
T1.2.9. BID OFFER VALIDITY	F.2.16	The bid validity period is as stated in the Bid Notice and Invitation to Bid.
T1.2.10. PROVIDE OTHER MATERIAL	F.2.18	The bidder shall, when requested by the Employer to do so, submit the names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility criteria.
T1.2.11. INSPECTIONS, TESTS AND ANALYSIS	F.2.19	Access shall be provided for inspections, tests and analysis as may be required by the Employer.
T1.2.12. CERTIFICATES	F.2.23	<p>The bidder is required to submit with his bid:</p> <ul style="list-style-type: none"> a) A valid original SARS Tax Clearance Certificate for the bid or in the case of a Joint Venture the Bidders to submit for each of the JV partners issued by the South African Revenue Services and specific goals verification document. b) The bidder's CIDB Registration Certificate or the JV's CIDB Registration Certificates with an indication of the lead partner. c) Specific goals verification documents of each joint venture partner. d) VAT registration certificate issued by SARS. e) Workman's Compensation Registration Certificate (or proof of payment of contributions in terms of the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993).

Heading	Clause	Data																		
T1.2.13. OPENING OF BID SUBMISSIONS	F.3.4	f) Company/CC/Trust/Partnership Registration Certificate The opening of valid bids is as stated in the Bid Notice and Invitation to Bid.																		
T1.2.14. ARITHMETICAL ERRORS	F.3.9	Replace bullet items with: a) Where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern, b) If a bill of quantities (or schedule of rates) apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the unit rate shall be corrected and the line item total shall govern, and c) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the selected item prices (and their rates if a bill of quantities applies) shall be revised and the total of the prices shall govern to achieve the same tendered total of the prices.																		
T1.2.15. EVALUATION OF BID OFFERS	F.3.11.1	The procedure for the evaluation of responsive bids is: Evaluation Method 2 (Functionality, Financial Offer and Preferences)																		
	F.3.11.2	<p>Bids will be evaluated in two stages in accordance with the standard bid evaluation Method 2: Functionality, Financial Offer and Preferences (<i>Standard for uniformity in construction procurement, July 2015</i>) as follows:</p> <p>Tenders will be evaluated on a two (2) stage basis as follows: -</p> <p>STAGE 1: FUNCTIONALITY</p> <table><tr><th>Key aspect of criterion</th><th>Evaluation criterion</th><th>Remarks</th><th>Points</th><th>Awarded points</th></tr><tr><td rowspan="3">Site Agent or Foreman CV</td><td>Site Agent or Foreman has more than 5 years' experience in the field relevant to the project. (Attach CV)</td><td>Good</td><td>30</td><td></td></tr><tr><td>Site Agent or Foreman has more than 2 years' experience in the field relevant to the project. (Attach CV)</td><td>Fair</td><td>20</td><td></td></tr><tr><td>Site Agent or Foreman has no experience in the field relevant to the project. (Attach CV)</td><td>Poor</td><td>10</td><td></td></tr></table>	Key aspect of criterion	Evaluation criterion	Remarks	Points	Awarded points	Site Agent or Foreman CV	Site Agent or Foreman has more than 5 years' experience in the field relevant to the project. (Attach CV)	Good	30		Site Agent or Foreman has more than 2 years' experience in the field relevant to the project. (Attach CV)	Fair	20		Site Agent or Foreman has no experience in the field relevant to the project. (Attach CV)	Poor	10	
Key aspect of criterion	Evaluation criterion	Remarks	Points	Awarded points																
Site Agent or Foreman CV	Site Agent or Foreman has more than 5 years' experience in the field relevant to the project. (Attach CV)	Good	30																	
	Site Agent or Foreman has more than 2 years' experience in the field relevant to the project. (Attach CV)	Fair	20																	
	Site Agent or Foreman has no experience in the field relevant to the project. (Attach CV)	Poor	10																	

Heading	Clause	Data		
Traceable project experience		Provided five traceable projects of similar nature in the past 10 years (Attach letters of appointments and completion certificates)	Good	30
		Provided three traceable projects of similar nature in the past 10 years. (Attach letters of appointments and completion certificates)	Fair	20
		Provided no traceable similar projects	Poor	10
Proposed Work Programme		The Programme is presented in such a way that one is able to get the flow of tasks. (Attach programme)		10
		The Programme is acceptable but lacks proper linkages of tasks. (Attach programme)		5
		The Programme does not address the project needs. (Attach programme)		0
NQF in Labour Intensive Programme (Attach certificates accredited by SETA)		7 5		10 5
			Total	80

NOTE: SERVICE PROVIDER THAT SCORES LESS THAN 70% ON FUNCTIONALITY WILL BE ELIMINATED.

STAGE 2: FINANCIAL OFFER AND PREFERENCES

All the bids that meet the Stage 1 criteria for responsiveness will be scored for price and specific goals then ranked according to their respective total scores.

F.3.11.2 Procurement Preferences

The preference evaluation will be conducted in terms of the Preferential Procurement Regulations 2022. Preference evaluation will be undertaken on the 80/20 basis. The bidder is required to submit verification documents as set out on the able in order for the appropriate points for specific goals to be awarded in the evaluation process;

Specific Goals

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system)	Verification Documents
Specific goal 1: Ownership (Max Points =10)		
Business owned more than 50% by black person	10	ID copy of Directors and CSD
Business owned less than 50% by black person	5	ID copy of Directors and CSD
Specific goal 2: RDP (Max Points =10)		
Promotion of enterprises located within: Nquthu municipal area	10	CSD and proof of municipal accounts/affidavit
Umzinyathi District Municipality	6	CSD and proof of municipal accounts/affidavit/proof of residence signed by ward Councilor
Province of KwaZulu Natal	4	CSD and proof of municipal accounts/affidavit/proof of residence signed by ward Councilor

F.3.11.3 Scoring Quality

80/20 preference point system will be used to allocate points for bids in this category.

F.3.13.1 Acceptance of Bid Offer

Bid offers will only be accepted if:

- the bidder has in his or her possession an original valid Tax Clearance Certificate issued by the South African Revenue Services;
- the bidder is registered with the Construction Industry Development Board in an appropriate contractor grading designation;
- the bidder or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; and

T1.2.16. **PROVIDE
COPIES OF
CONTRACTS**

F.3.18

- d) the bidder has not:
 - i) abused the Employer's Supply Chain Management System; or
 - ii) failed to perform on any previous contract and has been given a written notice to this effect
- f) Has completed the Compulsory Enterprise Questionnaire and that there are no conflicts of interest which may impact on the bidder's ability to perform the contract in the best interests of the employer or potentially compromise the bid process.

Provide copies of the Contract

The Employer will provide the successful bidder, now the Contractor, with one copy of the complete, signed contract document.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

T1.3. CONDITIONS OF BID

F.1 General

F.1.1 Actions

The Employer and each bidder submitting a bid offer shall comply with these conditions of bid. In their dealings with each other, they shall discharge their duties and obligations as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently.

F.1.2 Bid Documents

The documents issued by the Employer for the purpose of a bid offer are listed in the Bid Data.

F.1.3 Interpretation

F.1.3.1 The Bid Data and additional requirements contained in the bid schedules that are included in the returnable documents are deemed to be part of these conditions of bid.

F.1.3.2 These conditions of bid, the Bid Data and bid schedules which are only required for bid evaluation purposes, shall not form part of any contract arising from the invitation to bid.

F.1.3.3 For the purposes of these conditions for the calling for expressions of interest, the following definitions apply:

- a) **comparative offer** means the bidder's financial offer after the factors of non-firm prices, all unconditional discounts and any other bided parameters that will affect the value of the financial offer have been taken into consideration.
- b) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the Employer or his staff or agents, *or any official in the public service or in the employ of an organ of state, in any bid process; and*
- c) **fraudulent practice** means there is representation of the facts in order to influence the bid process or the award of a contract arising from a tender offer to the detriment of the Employer *or any public entity or organ of state*, including collusive practices intended to establish prices at artificial levels.
- d) **quality ((functionality))** means the totality of features and characteristics of a product or service that bear on its ability to satisfy stated or implied needs.
- e) **these conditions of bid** mean the *Standard Conditions of Bid (as published and amended from time to time by the Construction Industry Development Board) and the Employer's Special Conditions of Bid, the latter of which are demonstrated by appearing in italics.*
- f) **bidder** means any employee, partner, shareholder or director of a commercial entity that responds to the Bid Notice by collecting bid documents.

F.1.4 Communication and Employer's agent

Each communication between the Employer and a bidder shall be to or from the Employer's agent only, and in a form that can be read, copied and recorded. Writing shall be in the English language. The Employer shall not take any responsibility for non-receipt of communications from or by a bidder. The name and contact details of the Employer's agent are stated in the Bid Data.

F.1.5 The Employer's right to accept or reject any bid offer

F.1.5.1 The Employer does *not bind itself to accept the highest scoring bid or any other bid, and may in addition* accept or reject any variation, deviation, bid offer, or alternative bid offer, and may cancel the bid process and reject all bid offers at any time before the formation of a contract. The Employer shall not accept or incur any liability to a bidder for such cancellation and rejection, but will give reasons for such action upon written request to do so.

F.1.5.2 The Employer may not subsequent to the cancellation or abandonment of a bid process or the rejection of all bid offers re-issue a bid covering substantially the same scope of work within a period of six months unless only one bid was received and such bid was returned unopened to the bidder.

F.1.6 Jurisdiction

Unless stated otherwise in the Bid Data, each Bidder and the Employer undertake to accept the jurisdiction of the courts of law of the Republic of South Africa.

F.2 Bidder's rights and obligations

F.2.1 Eligibility

Submit a bid offer only if the bidder complies with the criteria stated in the Bid Data and bidder or any of his principals, is not under any restriction to do business with the Employer.

F.2.2 Cost of bidding

Accept that the Employer will not compensate the bidder for any costs incurred in the preparation and submission of a bid offer, including the costs of *attending, the site visit and / or clarification meeting(s)* and any costs of testing necessary to demonstrate that aspects of the offer satisfy requirements.

F.2.3 Check documents

Check the bid documents on receipt for completeness and notify the Employer of any discrepancy or omission.

F.2.4 Confidentiality and copyright of documents

Treat as confidential, *regardless whether or not a bid offer is submitted*, all matters arising in connection with the bid. Use and copy the documents issued by the Employer only for the purpose of preparing and submitting a bid offer in response to the invitation.

F.2.5 Reference documents

Obtain, as necessary for submitting a bid offer, copies of the latest version of standards, specifications, Conditions of Contract and other publications, which are not attached but which are incorporated into the bid documents by reference.

F.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the bid documents, which the Employer may issue, and if necessary apply for an extension to the closing time stated in the Bid Data, in order to take the addenda into account.

F.2.7 Site visit and clarification meetings

Attend in person or designate a suitably qualified and experienced person in the direct employ of the bidder to attend the site visit and / or clarification meeting(s) at which bidders shall familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the Bid Data. (Not Applicable)

F.2.8 Seek clarification

Request clarification of the bid documents, if necessary, by notifying the Employer at least five working days before the closing time stated in the Bid Data. *Any variation or deviation based on a point for which clarity should have been requested may render a bidder's offer unresponsive in terms of Standard Condition F.3.8.*

F.2.9 Insurance

Be aware that the extent of insurance to be provided by the Employer (if any) may not be for the full cover required in terms of the Conditions of Contract identified in the Contract Data. The tenderer is advised to seek qualified advice regarding insurance.

F.2.10 Pricing the bid offer

F.2.10.1 Include in the rates, prices, and the bided total of the prices (if any) all *costs prescribed as being applicable to the specified pay items as well as all* duties, taxes (except Value Added Tax (VAT), and other levies payable by the successful bidder, such duties, taxes and levies being those applicable 14 days before the closing time stated in the Bid Data.

F2.10.2 Show VAT payable by the Employer separately as an addition to the tendered total of the prices.

F.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the Conditions of Contract identified in the Contract Data.

F.2.10.4 State the rates and prices in Rand unless instructed otherwise in the Bid Data. The Conditions of Contract identified in the Contract Data may provide for part payment in other currencies.

F.2.11 Alterations to documents

Not make any alterations or additions to the bid documents, except to comply with instructions issued by the Employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations. Erasures and the use of masking fluid are prohibited.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

F.2.12 Alternative bid offers (including variations and deviations)

- F.2.12.1** Submit alternative bid offers only if a main bid offer, strictly in accordance with all the requirements of the bid documents, is also submitted. The alternative bid offer is to be submitted with the main bid offer together with a schedule that compares the requirements of the bid documents with the alternative requirements the tenderer proposes. *Alternative bid offers shall not alter any contingency pay items provided in the bid documents, or offer fixed prices (except where such are provided in the postulated pricing schedule) or a fixed price contract.*
- F.2.12.2** Accept that an alternative bid offer may be based only on the criteria stated in the Bid Data or criteria otherwise acceptable to the Employer.
- F.2.12.3** *Bidders may qualify a bid offer (except that no qualification shall be in conflict with Special Condition to Bid F.2.8) but undertake to do so by submitting such qualification in terms of conditions F2.12.1 and F.2.12.2.*

F.2.13 Submitting a bid offer

- F.2.13.1** Submit a bid offer to provide the whole of the works, services or supply identified in the Contract Data, unless stated otherwise in the Bid Data.
- F.2.13.2** Return all returnable documents to the Employer *as stated in the Bid Data.*
- F.2.13.3** Submit the parts of the bid offer communicated on paper as an original plus the number of copies stated in the Bid Data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the Employer.
- F.2.13.4** Sign the original and all copies of the tender offer where required in terms of the Bid Data. The Employer will hold all authorized signatories liable on behalf of the bidder. *Authorized signatories for bidders proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the Employer shall hold liable for the purpose of the bid offer.*
- F.2.13.5** Seal the original of the bid offer as a separate package marking the packages *as stated in the Bid Data.*
- F.2.13.6** Where a two-envelope system is required in terms of the Bid Data, place and seal the returnable documents listed in the bid data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the Employer's address and identification details stated in the tender data, as well as the bidder's name and contact address.
- F.2.13.7** Seal the original bid offer and copy packages together in an outer package that states on the outside only the Employer's address and identification details as stated in the bid data.
- F.2.13.8** Accept that the Employer shall not assume any responsibility for the misplacement or premature opening of the bid offer if the outer package is not sealed and marked as stated.
- F.2.13.9** *May modify, correct or withdraw his bid offer after submission of the bid offer but before the closing time stated in the bid date; provided that the authorized signatory notifies the Employer in writing.*

F.2.14 Information and data to be completed in all respects

Accept that bid offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the Employer as non-responsive.

F.2.15 Closing time

F.2.15.1 Ensure that the Employer received the bid offer at the address specified in the Bid Data not later than the closing time stated in the Bid Data. Proof of posting shall not be accepted as proof of delivery. The Employer shall **not** accept bid offers submitted by telegraph, *telephone*, telex, facsimile or e-mail, unless stated otherwise in the Bid Data.

F.2.15.2 Accept that, if the Employer extends the closing time stated in the Bid Data for any reason, the requirements of these Conditions of Bid apply equally to the extended deadline.

F.2.16 Bid offer validity

F.2.16.1 Hold the bid offer(s) valid for acceptance by the Employer at any time during the validity period stated in the Bid Data after the closing time stated in the Bid Data.

F.2.16.2 If requested by the Employer, consider extending the validity period stated in the Bid Data for an agreed period of time.

F.2.17 Clarification, *modification or withdrawal* of bid offer after submission

F.2.17.1 Provide clarification of a tender offer in response to a request to do so from the Employer during the evaluation of bid offers. This may include providing a breakdown of rates or prices and correction of *imbalanced rates* or arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the total of the prices or substance of the bid offer is sought, offered, or permitted. The total of the prices stated by the bidder shall be binding upon the bidder.

F.2.17.2 *Accept that the Employer may, at its sole discretion, accept a less favourable bid from those already received or invite fresh bids if a bidder, at any time after the opening of his bid offer but prior to the signing of a contract based on his bid offer:-*

- *withdraws his bid; or*
- *gives notice of his inability to execute the contract in terms of his bid; or*
- *fails to sign a contract or furnish the performance security within the period fixed in the letter of award or any extended period fixed by the Employer; or*
- *fails to comply with a request made in terms of standard condition F.2.18.1.*

F.2.17.3 *Pay the difference between a less favourable bid offer and his own bid offer in the event that a bidder acts as described in Special Condition F.2.17.2 and/or pay the Employer's wasted and additional costs incurred in inviting fresh bids; provided that the Employer may fully or partly exempt a bidder from the provisions of this special condition if he is of the opinion that the circumstances justify the exemption.*

F.2.18 Provide other material

F.2.18.1 Provide, on request by the Employer, any other material that has a bearing on the bid offer, the bidder's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the Employer for the purpose of a full and fair risk assessment. Should the bidder not provide the material, or satisfactory reason as to why it cannot be provided, by the time for submission stated in the Employer's request, the Employer may regard the bid offer as non-responsive *and may invoke the same remedy for potential additional costs as provided for under special condition F.2.17.3.*

F.2.18.2 *Accept the Employer's right, at his sole discretion, to appoint suitably qualified persons to report on the financial resources, standing with the South African Revenue Services regarding all taxes, management structure and ownership details of any tenderer and/or to verify the correctness of any information furnished to the Employer in terms of condition F.2.17.1. Comply with the Employer's request within the time stated in the request. Failure on the part of the tenderer to cooperate with such an inquiry shall entitle the Employer to declare such tender offer as non-responsive.*

F.2.18.3 Dispose of samples of materials provided for evaluation by the Employer, where required.

F.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the Bid Data.

F.2.20 Submit securities, bonds, policies, etc.

If requested, submit for the Employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the Conditions of Contract identified in the Contract Data.

F.2.21 Check final draft

Check the final draft of the contract provided by the Employer within the time available for the Employer to issue the contract.

F.2.22 Return of other bid documents

If so instructed by the Employer, return all retained bid documents within 28 days after the expiry of the validity period stated in the Bid Data.

F.2.23 Certificates

Include in the tender submission or provide the Employer with any certificates as stated in the Bid Data.

F.3 The Employer's undertakings

F.3.1 Respond to clarification

Respond to a request for clarification received up to five working days prior to the bid closing time stated in the Bid Data and notify all bidders who drew *bid* documents.

F.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date of the Bid Notice until seven days before the tender closing time stated in the Bid Data. If, as a result a bidder applies for an extension to the closing time stated in the Bid Data, the Employer may grant such extension and, will then notify it to all bidders who drew bid documents.

F.3.3 Return of bid offers

Return bid offers *withdrawn in terms of F.2.13.9* or received after the closing time stated in the Bid Data, unopened, (unless it is necessary to open a bid submission to obtain a forwarding address), to the bidder concerned.

F.3.4 Opening of bid submissions

F.3.4.1 Unless the two-envelope system is to be followed, open valid bid submissions in the presence of bidders' agents who choose to attend at the time and place stated in the Bid Data. Bid submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

F.3.4.2 Announce at the opening held immediately after the opening of bid submissions, at a venue indicated in the Bid Data, the name of each bidder whose bid offer is opened, the total of his prices, preferences claimed and time for completion, if any, for the main bid offer only.

F.3.4.3 Make available the record outlined in F.3.4.2 to all interested persons upon request.

F.3.5 Two-envelope system

F.3.5.1 Where stated in the Bid Data that a two-envelope system is to be followed, open only the technical proposal of valid bids in the presence of bidders' agents who choose to attend at the time and place stated in the Bid Data and announce the name of each bidder whose technical proposal is opened.

F.3.5.2 Evaluate the quality of the technical proposals offered by bidders, then advise bidders who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of bidders, who score in the quality evaluation more than the minimum number of points for quality stated in the Bid Data, and announce the total price and any preferences claimed. Return unopened financial proposals to bidders whose technical proposals failed to achieve the minimum number of points for quality.

F.3.6 Non-disclosure

Not disclose to bidders, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of bid offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful bidder.

F.3.7 Grounds for rejection and disqualification

F.3.7.1 Determine whether there has been any effort by a bidder to influence the processing of bid offers and instantly disqualify a bidder (and his bid offer) if it is established that he engaged in corrupt or fraudulent practices. *In addition, any such disqualification shall entitle the Employer, at its sole discretion, to impose a specified period during which bid offers will not be accepted from the offending bidder.*

F.3.7.2 *Communicate to other state bid boards, provincial bid boards or parastatal bid boards any bidder disqualified in terms of special condition F.3.7.1.*

F.3.7.3 *Consider rejecting any bid offers received from bidders who are involved in any form of litigation or legal proceedings by or against the Employer.*

F.3.8 Test for responsiveness

Determine, on opening and before detailed evaluation, whether each bid offer properly received:

- a) meets the requirements of these Conditions of Bid,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the bid documents.

A responsive bidder is one that conforms to all the terms, conditions and specifications of the bid documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- change the Employer's or the bidder's risks and responsibilities under the contract, or
- affect the competitive position of other bidders presenting responsive bids, if it were to be rectified.

Reject a non-responsive bid offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

F.3.9 Arithmetical errors and imbalanced unit rates

Check responsive tender offers for arithmetical errors, correcting them in the following manner:

- Where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern.
- If a pricing schedule (or schedule of quantities or schedule of rates) applies and there is an error in the line item total resulting from the product of the unit rate and the quantity, the *unit rate* shall govern and the *line item* shall be corrected. *However, where there is an obviously gross misplacement of the decimal point in the unit rate, the unit rate will be corrected.*
- Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the bidder's addition of prices, the total of the prices shall *be corrected*.

Check responsive bid offers for imbalanced unit rates and request bidders to consider amending and adjusting any rates declared imbalanced by the Employer while retaining the total of the prices derived after any correction made in terms of this condition to bid.

Consider the rejection of a bid offer if the bidder does not correct or accept the correction of his arithmetical errors *or amend/adjust an imbalanced unit rate* in the manner described above.

F.3.10 Clarification of a bid offer

Obtain clarification from a bidder on any matter that could give rise to ambiguity in a contract arising from the bid offer.

F.3.11 Evaluation of bid offers

F3.11.1 General

Appoint an evaluation panel of not less than three *duly qualified* persons. Reduce each responsive bid offer to a comparative offer and evaluate it using the bid evaluation method that is indicated in the Bid Data and described below.

Method 1: Price and preference	<ol style="list-style-type: none"> 1) Score bid evaluation points for financial offer. 2) Confirm that bids are eligible for the preferences claimed and if so, score bid evaluation points for preferencing. 3) Calculate total bid evaluation points. 4) Rank bid offers from the highest number of bid evaluation points to the lowest. 5) Recommend bidder with the highest number of bid evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
Method 2: Functionality, Price and Preference	<ol style="list-style-type: none"> 1) Score quality, rejecting all bids offers that fail to score the minimum number of points for quality stated in the Bid Data. 2) Score bid evaluation points for financial offer. 3) Confirm that bidders are eligible for the preferences claimed, and if so, score bid evaluation points for preferencing. 4) Calculate total bid evaluation points. 5) Rank bid offers from the highest number of bid evaluation points to the lowest. 6) Recommend bidder with the highest number of bid evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.

Score financial offers, preferences and quality, as relevant, to two decimal places.

F.3.11.2 Scoring Financial Offers

Score the financial offers of remaining responsive bid offers using the following formula:

N_{FO} = $W_1 \times A$ where:
 N_{FO} = the number of bid evaluation points awarded for the financial offer.
 W_1 = the maximum possible number of tender evaluation points awarded for the financial offer as stated in the Bid Data.
 A = a number calculated using either formulas 1 or 2 below as stated in the Bid Data.

Formula	Comparison aimed at achieving	Option 1	Option 2
1.	Highest price or discount	$A = (1 + \frac{(P - P_m)}{P_m})$	$A = P/P_m$
2.	Lowest price or percentage commission/fee	$A = (1 - \frac{(P - P_m)}{P_m})$	$A = P_m/P$

Where:

P_m = the comparative offer of the most favourable bid offer.
 P = the comparative offer of bid offer under consideration.

F.3.11.3 Scoring quality (functionality)

Score quality in each of the categories stated in the Bid Data and calculate total score for quality.

Key aspect of criterion	Evaluation criterion	Remarks	Points	Awarded points
Site Agent or Foreman CV	Site Agent or Foreman has more than 5 years' experience in the field relevant to the project. (Attach CV)	Good	30	
	Site Agent or Foreman has more than 2 years' experience in the field relevant to the project. (Attach CV)	Fair	20	
	Site Agent or Foreman has no experience in the field relevant to the project. (Attach CV)	Poor	10	
Traceable project experience	Provided five traceable projects of similar nature in the past 10 years (Attach letters of appointments and completion certificates)	Good	30	
	Provided three traceable projects of similar nature in the past 10 years. (Attach letters of appointments and completion certificates)	Fair	20	
	Provided no traceable similar projects	Poor	10	
Proposed Work Programme	The Programme is presented in such a way that one is able to get the flow of tasks. (Attach programme)		10	
	The Programme is acceptable but lacks proper linkages of tasks. (Attach programme)		5	
	The Programme does not address the project needs. (Attach programme)		0	
NQF in Labour Intensive Programme (Attach certificates accredited by SETA)	7 5		10 5	
		Total	80	

NOTE: SERVICE PROVIDER THAT SCORES LESS THAN 70% ON FUNCTIONALITY WILL BE ELIMINATED.

F.3.11.4 Scoring preference

Score preferences claimed in the responsive bids offered according to the method stated in the Bid Data.

F.3.11.5 Scoring total quality, financial and preference offers

Score total of the quality, financial and preference offers in accordance with Method 2 of clause F.3.11.1.

F.3.12 Insurance provided by the Employer

If requested by the proposed successful bidder, submit for the bidder's information the policies and / or certificates of insurance which the Conditions of Contract identified in the Contract Data, require the Employer to provide.

F.3.13 Acceptance of bid offer

F.3.13.1 Accept bid offer only if the bidder satisfies the requirements stated in the Bid Data, *including the legal requirements*

F.3.13.2 Notify the successful bidder of the Employer's acceptance of his bid offer by completing and returning one copy of the form of offer and acceptance before the expiry of the validity period stated in the Bid Data, or agreed additional period. Providing the form of offer and acceptance does not contain any qualifying statement, it will constitute the formation of a contract between the Employer and the successful bidder as described in the form of offer and acceptance.

F.3.14 Notice to unsuccessful bidders

After the successful bidder has acknowledged the Employer's notice of acceptance, notify other bidders that their bid offers have not been accepted.

F.3.15 Prepare contract documents

If necessary, revise documents that shall form part of the contract and that were issued by the Employer as part of the bid documents to take account of:

- a) addenda issued during the bid period,
- b) inclusion of some of the returnable documents,
- c) other revisions agreed between the Employer and the successful bidder, and
- d) the schedule of deviations attached to the form of offer and acceptance, if any.

F.3.16 Issue final contract

Prepare and issue the final draft of contract documents to the successful bidder for acceptance as soon as possible after the date of the Employer's signing of the form of offer and acceptance (including the schedule of deviations, if any). Only those documents that the Conditions of Bid require the bidder to submit, after acceptance by the Employer, shall be included.

F.3.17 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

F.3.18 Provide copies of the contracts

Provide to the successful bidder the number of copies stated in the Bid Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

F.3.19 *Delegation of authority*

The Employer may delegate any power vested in him by virtue of these Conditions of Bid to an officer or employee of the Employer, provided that such delegation shall be in writing setting out the general or specific powers delegated.



NQUTHU LOCAL MUNICIPALITY
DEPARTMENT OF TECHNICAL SERVICES

CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL IN WARD 4

NQULM016/2023-2024

PART T2

RETURNABLE SCHEDULES



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T2.1. LIST OF RETURNABLE DOCUMENTS

The bidder must complete the following returnable documents:

T2.1.1. COMPULSORY ENTERPRISE QUESTIONNAIRE

THE FOLLOWING PARTICULARS MUST BE FURNISHED
(FAILURE TO DO SO MAY RESULT IN YOUR BID BEING DISQUALIFIED)

Name of Bidder: _____

Postal Address: _____

Street Address: _____

Telephone Number

Code: _____ Number: _____

Cellphone Number: _____

Facsimile Number Code: _____ Number: _____

Contact Person: _____

E-mail Address _____

Company / Enterprise Income Tax

Reference Number: _____

Has an original Tax Clearance Certificate been attached (MBD2) NO / YES

Vat Registration Number: _____

Company Registration No: _____

Is the Firm registered or does it have a Business Licence(s): (Tick one box)

YES

NO

If YES, give details and quote relevant Reference numbers and dates

Are you the accredited Representative in South Africa for the

Goods / services offered by you?

YES/NO (If YES enclose proof)

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

AN COPY TAX CLEARANCE CERTIFICATE MUST BE ATTACHED TO YOUR BID.

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the firm, affirms that the information furnished is true and correct.

Signature: _____

Date: _____

Duly authorised to sign on behalf of: _____

Address: _____

Telephone Number: _____

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

T2.1.2. CERTIFICATE OF AUTHORITY

This Returnable Schedule is to be completed by companies and close corporations.

Indicate the status of the bidder by ticking the appropriate box hereunder. The bidder must complete the certificate set out below for the relevant category.

A Company	C Joint Venture	E Close Corporation

A. Certificate for company

I,, Managing Director on behalf of the board of directors of, hereby confirm that by resolution of the board taken on 20., Mr/Ms, has been duly authorized to sign all documents in connection with this bid and any contract resulting from it on behalf of the company.

As witnesses:-

1.
Managing Director
2.
Date

B. Certificate for Joint Venture

We, the undersigned, are submitting this bid offer in Joint Venture and hereby authorize Mr/Ms, authorized signatory of the company, acting in the capacity of lead partner, to sign all documents in connection with the bid offer and any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	AUTHORIZING SIGNATURE, NAME & CAPACITY
Lead partner		

C. Certificate for Close Corporation

We, the undersigned, being the key members in the business trading as
.....hereby
authorize Mr/Ms , to sign all
documents in connection with the bid and any contract resulting from it on our behalf.

NAME	ADDRESS	SIGNATURE	DATE

NOTE: This certificate is to be completed and signed by all of the key members upon whom rests the direction of the affairs of the Close Corporation as a whole.

T2.1.3. RECORD OF ADDENDA TO BID DOCUMENTS

We confirm that the following communications received from the Employer before the submission of this bid offer, amending the bid documents, have been taken into account in this bid offer:

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

Attach additional pages if more space is required.

Signed _____ Date _____

Name _____ Position _____

Bidder _____

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

T2.1.4. COMPULSORY ENTERPRISE QUESTIONNAIRE

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number:

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners.

Section 5: Particulars of companies and close corporations

Company registration number

Close corporation number

Tax reference number

Section 6: Record of service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- | | |
|--|---|
| <input type="checkbox"/> a member of any municipal council | <input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Province | <input type="checkbox"/> an employee of Parliament or a provincial legislature |
| <input type="checkbox"/> a member of the board of directors of any municipal entity | |
| <input type="checkbox"/> an official of any municipality or municipal entity | |

If any of the above boxes are marked, disclose the following:

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

* Insert separate page if necessary.

Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

- | | |
|--|---|
| <input type="checkbox"/> a member of any municipal council | <input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Province | <input type="checkbox"/> An employee of Parliament or a provincial legislature |
| <input type="checkbox"/> a member of the board of directors of any municipal entity | |
| <input type="checkbox"/> an official of any municipality or municipal entity | |

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

* Insert separate page if necessary

The undersigned, who warrants that he/she is duly authorized to do so on behalf of the enterprise:

- i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- ii) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;
- iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed _____ Date _____

Name _____ Position _____

Enterprise
name _____

T2.1.5. DECLARATION OF INTEREST (MBD 4)

DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state¹.
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.
- 3 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

3.1 Full Name of bidder or his or her representative:.....

3.2 Identity Number:

3.3 Position occupied in the Company (director, trustee, shareholder²):.....

3.4 Company Registration Number:

3.5 Tax Reference Number:.....

3.6 VAT Registration Number:

3.7 The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.

3.8 Are you presently in the service of the state? **YES / NO**

3.8.1 If yes, furnish particulars.....

.....

¹MSCM Regulations: "in the service of the state" means to be –

(a) a member of –

- (i) any municipal council;
- (ii) any provincial legislature; or
- (iii) the national Assembly or the national Council of provinces;

(b) a member of the board of directors of any municipal entity;

(c) an official of any municipality or municipal entity;

(d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);

(e) a member of the accounting authority of any national or provincial public entity; or

(f) an employee of Parliament or a provincial legislature.

² Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

3.9 Have you been in the service of the state for the past twelve months?**YES / NO**

3.9.1 If yes, furnish particulars.....

.....
3.10 Do you have any relationship (family, friend, other) with persons
in the service of the state and who may be involved with
the evaluation and or adjudication of this bid?.....**YES / NO**

3.10.1 If yes, furnish particulars.

.....
3.11 Are you, aware of any relationship (family, friend, other) between
any other bidder and any persons in the service of the state who
may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.11.1 If yes, furnish particulars

.....
3.

3.12 Are any of the company's directors, trustees, managers,
Principle shareholders or stakeholders in service of the state? **YES / NO**

3.12.1 If yes, furnish particulars.

.....
3.13 Are any spouse, child or parent of the company's directors
trustees, managers, principal shareholders or stakeholders
in service of the state? **YES / NO**

3.13.1 If yes, furnish particulars.

.....
3.14 Do you or any of the directors, trustees, managers,
principle shareholders, or stakeholders of this company
have any interest in any other related companies or
business whether or not they are bidding for this contract. **YES / NO**

3.14.1 If yes, furnish particulars:

4. Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	State Employee Number

.....
Signature

.....
Date

.....
Capacity Name of Bidder

.....

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

T2.1.6. PREFERENTIAL PROCUREMENT (MBD 6.1)

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 To be completed by the organ of state

(delete whichever is not applicable for this tender).

- a) The applicable preference point system for this tender is the 90/10 preference point system.
- b) The applicable preference point system for this tender is the 80/20 preference point system.
- c) Either the 90/10 or 80/20 preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	
SPECIFIC GOALS	
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

preference points for specific goals are not claimed.

- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \mathbf{Ps} = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) & \text{or} & \mathbf{Ps} = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) \end{array}$$

Where

- Ps = Points scored for price of tender under consideration
- Pt = Price of tender under consideration
- Pmin = Price of lowest acceptable tender

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

3.2. **FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT**

3.2.1. **POINTS AWARDED FOR PRICE**

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc} 80/20 & \text{or} & 90/10 \\ P_s = 80 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right) & \text{or} & P_s = 90 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right) \end{array}$$

Where

P_s = Points scored for price of tender under consideration
 P_t = Price of tender under consideration
 P_{max} = Price of highest acceptable tender

4. **POINTS AWARDED FOR SPECIFIC GOALS**

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,
- then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Specific Goal 1: Ownership (Max points=10)				
Specific Goal 2 RDP (Max Points = 10)				

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

other remedy it may have –

- (a) disqualify the person from the tendering process;
- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution, if deemed necessary.

<p>.....</p> <p>SIGNATURE(S) OF TENDERER(S)</p>	
SURNAME AND NAME:
DATE:
ADDRESS:

T2.1.7. DECLARATION OF COMPETENCY ON HEALTH AND SAFETY REQUIREMENTS

Bidder to provide a declaration on his competencies in establishing and maintaining a Health and Safety plan as required in terms of the Construction Regulations of 2003 and the Occupational Health and Safety Act (85 of 1993).

In order to demonstrate these competencies, the Bidder is to provide with his bid (and attached to this page as a separate document) brief statements as to a safety plan and how the safety management systems will work and what control procedures they plan on using to ensure safety on the construction site.

The following generic aspects should be covered in the safety plan:

- What administrative procedures the Contractor envisage to use in the implementation and maintenance of the safety plan with reference to the construction site.
- How continuous assessment of the safety plan will be assessed and implemented with respect to construction site.
- What control systems the Contractor envisage to implement on site to support his safety program.
- How the Contractor will ensure that he adheres to the construction regulations in respect of competent persons for appointments.
- What external resources the Contractor envisage on using to ensure successful implementation and sustainability of the safety plan.
- What training to employees the Contractor envisage and how he would go about to execute it.
- The Contractor should indicate which competent persons he currently has in his employ or he plans on employing and attach abbreviated Curriculum Vita's of these persons.
- The Contractor should provide proof for the following:
 - Operator's competency certificates
 - Operator's drivers licenses
 - Operator's medical fitness certificates
 - Plant and vehicles roadworthy certificates

DECLARATION BY BIDDER

It is confirmed that an outline of the Health and Safety plan is attached hereto. We further declare that we have the competence and necessary resources to carry out work safely in compliance with the Construction Regulations 2003.

Signed _____ Date _____

Name _____ Position _____

Enterprise
name

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

DECLARATION

I, THE UNDERSIGNED (NAME).....

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2.1 TO 2.3.1 ABOVE IS CORRECT, AND THAT THE SIGNATORY TO THIS DOCUMENT IS DULY AUTHORISED.

I ACCEPT THAT THE MUNICIPALITY MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Name (print)

.....
Signature

.....
Date

“In the service of the state” means:

- a member of –
 - (a) any municipal council;
 - (b) any provincial legislature; or
 - (c) the National Assembly or the National Council of Provinces;
- a member of the board of directors of any municipal entity;
- an official of any municipality or municipal entity;
- an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- a member of the accounting authority of any national or provincial or public entity; or an employee of Parliament or provincial legislature.

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

T2.1.8. DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES (MBD 8)

- 1 This Municipal Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be rejected if that bidder, or any of its directors have:
 - a. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
 - b. been convicted for fraud or corruption during the past five years;
 - c. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
 - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's database as a company or person prohibited from doing business with the public sector? (Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the <i>audi alteram partem</i> rule was applied).	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? (To access this Register enter the National Treasury's website, www.treasury.gov.za , click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445).	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		

4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
Item	Question	Yes	No
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.5.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME)

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

T2.1.9. **CERTIFICATE OF INDEPENDENT BID DETERMINATION (MBD 9)**

- 1 This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
- 4 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Municipality / Municipal Entity)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

T2.2. DOCUMENTS FOR BID EVALUATION

T2.2.1. SITE INSPECTION CERTIFICATE

As required by the General Conditions of Contract, I/we visited the site of works on the date specified below.

I/We carefully examined the site, plans and contract documents, and have made myself/ourselves fully conversant with all the circumstances likely to influence the construction and cost of the works.

I/We further certify that I am / we are satisfied with the description of the works and the explanation given by or on behalf of the Engineer representative at the inspection, and that I/We understand perfectly the work to be done, as specified and implied, in the execution of the contract.

SIGNATURE BIDDER:

This will certify that(Names)

Representing (Firm)

Visited the site of the Works for this contract on (Date)

Signed: (for Engineer/Client)

Stamped by Client:



**ATTACH
COPIES OF COMPANY REGISTRATION
DOCUMENTS

AND

CERTIFIED COPIES OF ID's OF THE MEMBERS
UNDER THIS PAGE**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**ATTACH COPY OF TAX CLEARANCE
CERTIFICATE, TAX COMPLIANCE STATUS
AND SARS PIN UNDER THIS PAGE**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**ATTACH LETTER OF GOOD STANDING
UNDER THIS PAGE**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**ATTACH FORM OF INTENT BY BANK OR
INSURER TO PROVIDE SURETY UNDER THIS
PAGE**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

T2.2.6. **CONTRACTOR CIDB CERTIFICATE**

Attach a copy of valid Certificate of Contractor Registration issued by the Construction Industry Development Board to this page.

Alternatively the CIDB registration number can be provided as follows:

ENTITY NAME			
CIDB REGISTRATION NO.			
CLASS		CATEGORY	

**ATTACH COPY OF CIDB REGISTRATION
CERTIFICATE UNDER THIS PAGE**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

T2.2.7. UTILITY, PROOF OF ADDRESS AND CSD

**ATTACH COPY OF UTILITY BILL, PROOF OF
RESIDENCE AND CSD UNDER THIS PAGE**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

ATTACH SUB-CONTRACTORS COMPANY DETAILS UNDER THIS PAGE

- 1. COMPANY REGISTRATION DOCUMENTS**
- 2. CERTIFIED ID OF THE DIRECTORS OR MEMBERS**
- 3. VALID COPY TAX CLEARANCE CERTIFICATE**
- 4. NQUTHU MUNICIPALITY DATABASE NUMBER**

T2.2.9. SCHEDULE OF PLANT, TOOLS AND EQUIPMENT

Bidders to furnish with their bids a complete list of the major items of tools, plant and equipment which they propose to use in the work. After his bid has been accepted, the Contractor must satisfy the Project Manager at all times that such plant and equipment, or its equivalent, is available for use.

TYPE OF PLANT	MAKE & DESCRIPTION	NUMBER
CATEGORY 1 – PLANT		
CATEGORY 2 – TOOLS		
CATEGORY 3 – EQUIPMENT		

Signed Date

Name Position

Enterprise
name

SCHEDULE OF THE BIDDER'S RELEVANT EXPERIENCE

The bidder is to provide the following information regarding the five largest relevant projects of similar nature (building construction) completed by the bidder during the last five years, in order of contract price. Only experience by the bidding entity, and not by staff members, shall be taken into account.

PROJECT NAME	
EMPLOYER: Contact Person and Telephone number	
CONSULTING ENGINEER: Contact Person and Telephone number	
NATURE OF WORK	
VALUE OF WORK (Including VAT)	
DATE COMPLETED	

PROJECT NAME	
EMPLOYER: Contact Person and Telephone number	
CONSULTING ENGINEER: Contact Person and Telephone number	
NATURE OF WORK	
VALUE OF WORK (Including VAT)	
DATE COMPLETED	

PROJECT NAME	
EMPLOYER: Contact Person and Telephone number	
CONSULTING ENGINEER: Contact Person and Telephone number	
NATURE OF WORK	
VALUE OF WORK (Including VAT)	
DATE COMPLETED	

 Contractor

 Witness 1

 Witness 2

 Employer

 Witness 1

 Witness 2

PROJECT NAME	
EMPLOYER: Contact Person and Telephone number	
CONSULTING ENGINEER: Contact Person and Telephone number	
NATURE OF WORK	
VALUE OF WORK (Including VAT)	
DATE COMPLETED	

PROJECT NAME	
EMPLOYER: Contact Person and Telephone number	
CONSULTING ENGINEER: Contact Person and Telephone number	
NATURE OF WORK	
VALUE OF WORK (Including VAT)	
DATE COMPLETED	

PROJECT NAME	
EMPLOYER: Contact Person and Telephone number	
CONSULTING ENGINEER: Contact Person and Telephone number	
NATURE OF WORK	
VALUE OF WORK (Including VAT)	
DATE COMPLETED	

Signed _____ Date _____

Name _____ Position _____

Enterprise name _____

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

T2.2.11. **PERSONNEL SCHEDULE**

In terms of the Project Specification and the Conditions of Bid, unskilled workers may only be brought in from outside the local community if such personnel are not available locally.

The bidder shall list below the personnel which he intends to utilize on the Works, including key personnel which may have to be brought in from outside if not available locally.

Category of Employee	Number of Persons			
	Personnel, Part of the Contractor's Organisation		Personnel to be contracted if not available within the employ of the company	
Site Agent				
Site technicians, (Quality Control and Safety officers included)				
Foremen				
Technicians, Surveyors, etc				
Artisans and other Skilled workers				
Plant Operators				
Unskilled Workers				
Others:				

Signed _____ Date _____

Name _____ Position _____

Enterprise name _____

SCHEDULE OF PROPOSED SUBCONTRACTORS

We notify you that it is our intention to employ the following Subcontractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of proposed Subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

	Name and address of proposed Subcontractor	Nature and extent of work	Previous experience with Subcontractor
1.			
2.			
3.			
4.			
5.			

Signed _____ Date _____

Name _____ Position _____

Bidder _____

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

T2.2.13. **PROPOSED AMENDMENTS AND QUALIFICATIONS**

The bidder should record any deviations or qualifications he may wish to make to the bid documents in this Returnable Schedule. Alternatively, a bidder may state such deviations and qualifications in a covering letter to his bid and reference such letter in this schedule.

The Bidder's attention is drawn to clause F.3.3 of the Standard Conditions of Bid referenced in the Bid Data regarding the Employer's handling of material deviations and qualifications.

These amendments and qualifications, if accepted by the Employer, will be incorporated in the Acceptance Form as Deviations.

Page	Clause or item	Proposal

Signed Date

Name Position

Enterprise
name

T2.2.14. NON COLLUSIVE TENDERING CERTIFICATE

WE CERTIFY THAT:

- 1 The Tender submitted herewith is a bona fide Tender that is intended to be competitive.
- 2 We have not fixed or adjusted the amount of the Tender under or in accordance with any agreement or arrangement with any other person.
- 3 We have not done and we undertake that we will not do at any time before the hour specified for the return of the Tender any of the following acts:
 - 3.1 communicate to a person other than the person calling for this Tender the amount or approximate amount of the proposed Tender (except where the disclosure, in confidence, of the approximate amount of the Tender was essential to obtain insurance premium quotations required for the preparation of the Tender);
 - 3.2 enter into any agreement with any person that they shall refrain from tendering or as to the amount of any Tender to be submitted and;
 - 3.3 offer to pay or give any sum of money or valuable consideration directly or indirectly to any person for doing or having done or causing or having caused to be done in relation to any other Tender any act or thing of the sort described above.

IN THIS CERTIFICATE

- 4 'Person' includes any person or anybody or association corporate or incorporate.
- 5 'Any agreement or arrangement' includes any transaction of the sort described above, formal or informal and whether legally binding or not.

Name	
Signature	
In the capacity of	Director / secretary / member / sole proprietor / a partner
Duly authorized to sign tenders for and on behalf of:-	
Name of company (for unincorporated business / firm / partnership) Insert business / trading name	
Registration number	
Address (registered office for limited company (principal place of business for a firm / partnership / sole trader)	
Telephone Number	
Date	

- Note:
- (a) All the particulars above must be completed.
 - (b) Strike out alternatives that are not applicable.
 - (c) For partnership, give full names of all partners here or attach a schedule listing all partners

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

T2.1.10. CONTRACTORS HEALTH AND SAFETY DECLARATION

In terms of the Clause 4(4) of the Construction Regulations of 2003, a Contractor may only be appointed to perform construction work if the Employer is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the Occupational Health and Safety Act No 85 of 1993 and the Construction Regulations 2003.

To that effect a person duly authorized by the bidder must complete and sign the declaration hereafter in detail.

Declaration by the bidder

- I, the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act No 85 of 1993 and the Construction Regulations 2003.
- I hereby declare that my company has the competent and the necessary resources to safely carry out the construction work under this contract in compliance with the Construction Regulations and the Employer's Health and Safety Specifications.
- I propose to achieve compliance with the Regulations by one of the following:
 - From my own competent resources YES / NO
 - From my own resources still to be appointed YES / NO
 - From outside sources by appointment of
Competent specialist YES / NO

DECLARATION BY BIDDER

It is confirmed that an outline of the Health and Safety plan is attached hereto. We further declare that we have the competence and necessary resources to carry out work safely in compliance with the Construction Regulations 2003.

Signed Date

Name Position

Enterprise
name

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2



Compulsory Returnable schedules

Item	Description	Check Box (Yes/No)
1.	Original Tax Clearance certificate or SARS pin	
2.	Company Registration certificates (CK)	
3.	Proof of resident/statement of Municipal account/landlord agreement	
4.	Certified ID Copies (dated not older than 03 months)	
5.	Proof of registration on CSD	
6.	Letter of good standing – Compensation Fund from Department of Labour.	
7.	All MBDs (1-9)	
8.	Form of offer	
9.	Bidders financial standing (letter of intent from the bank confirming funding)	
10.	Performance guarantee and public liability insurances	
11.	CIDB grading as per advert	
12.	Signed Certificate of attendance at Tender site meeting	
13.	Schedule of Plant and Equipment - ownership/Hire	

N/B: Failure to submit the above mentioned compulsory returnable documents will lead to your tender being disqualified.



NQUTHU LOCAL MUNICIPALITY
DEPARTMENT OF TECHNICAL SERVICES

**CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL
IN WARD 4**

BID NO: NQULM016/2023-2024

PART C1

AGREEMENTS AND CONTRACT DATA



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**CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL
IN WARD 4**

NQULM016/2023-2024

C1.1. FORM OF OFFER AND ACCEPTANCE

C1.1.1. OFFER

The Employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL IN WARD 4

The Bidder, identified in the offer signature block, has examined the documents listed in the bid data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of bid.

By the representative of the Bidder, deemed to be duly authorized, signing this part of this form of offer and acceptance, the Bidder offers to perform all of the obligations and liabilities of the Contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

Offer to be valid for 90 (ninety) days from the closing date of bid.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

R (number)

.....

.....

..... (in words)

This offer may be accepted by the Employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the bidder before the end of the period of validity stated in the Bid Data, whereupon the bidder becomes the party named as the contractor in the Conditions of Contract identified in the Contract Data.

Signature Date

Name Capacity

for the bidder

.....

(Name and address of organization)

Witness:
Name Signature Date

C1.1.2. ACCEPTANCE

By signing this part of this form of offer and acceptance, the Employer identified below accepts the Bidder's offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the Bidder's offer shall form an agreement between the Employer and the Bidder upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

Part C1 Agreement and contract data, (which includes this agreement)
Part C2 Pricing data
Part C3 Scope of work
Part C4 Site information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4 above.

Deviations from and amendments to the documents listed in the bid data and any addenda thereto as listed in the bid schedules as well as any changes to the terms of the offer agreed by the Bidder and the Employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The Bidder shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the Employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfill any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect, if delivered by hand on the day of delivery, or if delivered by courier within two working days after submission by the Employer to the courier services for a door-to-door delivery to the Bidder, provided that the Employer notifies the Tenderer of the tracking number within 24 hours of such submission. Unless the Bidder (now Contractor) within seven working days of the date of such submission notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

Signature Date

Name Capacity

for the Employer

.....
(Name and address of organization)

Witness:
Name Signature Date

C1.1.3. SCHEDULE OF DEVIATIONS

a)	Subject	
	Details	

b)	Subject	
	Details	

c)	Subject	
	Details	

By the duly authorized representatives signing this agreement, the Employer and the Bidder agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the bid data and addenda thereto as listed in the bid schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Bidder and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the bid documents and the receipt by the Bidder of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

BIDDER:

Signature:

Name:

Date:

Witness:

Signature:

Name:

Date:

EMPLOYER:

Signature:

Name:

Date:

Witness:

Signature:

Name:

Date:

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

C1.2. CONTRACT DATA

C1.2.1. GENERAL CONDITIONS OF CONTRACT (GCC 2015 AND JBCC CONTRACT 6.1 EDITION)

The General Conditions of Contract for Construction Works (2015) and JBCC Contract 6.1 published by the South African Institution of Civil Technical, First Edition, Fourth Print, is applicable to this contract.

Copies of these General Conditions of Contract may be obtained from the South African Institution of Civil Technical:

Block 19, Thornhill Office Park,
Bekker Street, Vorna Valley,
Midrand.
Private Bag X200,
Halfway House. 1685

Tel: 011-805 5947
Fax: 011-805 5971

C1.2.2. AMENDMENTS TO THE GENERAL CONDITIONS OF CONTRACT AND JBCC CONTRACT

GUARANTEE IN LIEU OF RETENTION

Amend clause 6.10.3 through:

No guarantee will be accepted in lieu of retention.

C1.2.3. CONTRACT DATA PROVIDED BY THE EMPLOYER

REFERENCE TO:	CLAUSE	DESCRIPTION
PART 1- DATA PROVIDED BY EMPLOYER		
Employer	1.1.1.15 1.2.1.21	Nquthu Local Municipality Physical Address: 83/10 Mdlalose Street, Nquthu,3135 Postal Address: Private Bag x 5521, Nquthu, 3135 Tel No: (034) 271 6100 Fax No: (034) 271 6111
Engineer	1.1.1.16 1.2.1.2	Reflective Thinkings Trading (Pty) Ltd. Physical Address: 66 Wren Way Yellowwood Park, 4011 Postal Address: 66 Wren Way Yellowwood Park, 4011 Tel No: (031) 462 6358 Fax No: (031) 462 7915 E-mail: info@reflectivethinkings.co.za
Year-end break	1.1.1.12	Commences 16 December 2023 and ends 3 January 2024
Time to provide guarantee	6.2	Within 14 days of commencement date
Value of guarantees	6.2	10% of bid sum (excluding VAT)
Time for commencement of work	5.3.1	Within 28 days of commencement date
Time for submission of programme for works	5.6.1	Within 14 days of commencement date
Works insurance	8.6.1.1	Required
Limit of Liability Insurance	8.6.1.3	R 5 million per claim, number of claim unlimited
Special non-working days	5.8.1	All promulgated South African Public Holidays
Time for completion	5.12.1	6 months from commencement date
Penalty for delay	5.13.1	0.05 % of the total bid offer per calendar day
Contract Price Adjustment	6.8.2	Not applicable
Percentage advance on materials	6.10.1.5	80%
Retention monies	6.10.3	10%
Limit of retention	6.10.2	10% of contract value.
Retention guarantee	6.10.3	Not permitted
Defects Liability period	1.1.1.13	12 months
REFERENCE TO:	CLAUSE	DESCRIPTION
PART 2- DATA PROVIDED BY CONTRACTOR		
Contractor	1.1.1.6 1.2.1.2	Name of Contractor: Physical Address: Postal Address: Tel No: Fax No: E-mail:

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

C1.2.4. SPECIAL CONDITIONS OF CONTRACT

SC1: PREAMBLE

The Special Conditions of Contract contains clauses hereinafter defined and forms an integral part of the Conditions of Contract. In the case of any discrepancy or conflict with any part of the General Conditions of Contract, the Special Conditions of Contract shall take precedence and shall govern.

SC2: APPROVALS GRANTED BY CLIENT

Add to clause 3.1.3

The Engineer is, in terms of his appointment by the Employer for the design and administration of the Works, required to obtain the specific approval from the Employer for the execution of the following duties:

- 2.3.1 The issuing of an order to suspend the progress of the Works, the extra cost resulting from such order which is to be borne by the Employer in terms of Clause 5.11 or the effect of which is liable to give rise to a claim by the Contractor for an extension of time under Clause 6.6 of these conditions.

SC3: OCCUPATIONAL HEALTH AND SAFETY ACT

Add to clause 4.3

Contractor's liability as mandatory

Notwithstanding any actions which the Employer may take, the Contractor accepts sole liability for due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures imposed by the Occupational Health and Safety Act, 1993 (Act 85 of 1993), and all its regulations, including the Construction Regulations, 2003, for which he is liable as mandatory. By entering into this Contract it shall be deemed that the parties have agreed in writing to the above provisions in terms of Section 37 (2) of the Act. The Contractor shall also ensure that any sub-contractor employed by him shall comply with the Act and the Regulations.

Contractor to notify Employer

The Employer retains an interest in all inquiries conducted under this Contract in terms of Section 31 and/or 32 of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and its Regulations following any incident involving the Contractor and/or Sub-Contractor and/or their employees. The Contractor shall notify the Employer in writing of all investigations, complaints or criminal charges which may arise pursuant to work performed under this Contract in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and Regulations

SC4: CONTRACTOR'S RESPONSIBILITY FOR SETTING OUT

Add to Clause 5.9.1

The Contractor shall take special precautions to protect all permanent survey beacons, bench-marks, stand boundary pens and trigonometrical beacons regardless whether such pegs or beacons were placed before or during the execution of the contract. If any such beacons or pegs which would not otherwise have been affected by construction of the works, have been disturbed by the Contractor or his employees, the Contractor shall have them replaced by a registered land surveyor at his own cost.

SC5: NATURAL VEGETATION (ADDITIONAL SUB CLAUSE)

Add new Clause 8.2

"The Contractor shall confine his operation to as small an area of the site as may be practical for the purpose of constructing the works.

Only those trees and shrubs directly affected by the works and such others as the Engineer may direct in writing shall be cut down and stumped. The natural vegetation, grassing and other plants shall not be disturbed other than in areas where it is essential for the execution of the work or where directed by the Engineer".

SC6: DELAY THROUGH OPPORTUNITIES AFFORDED TO OTHER PERSONS

Add to Clause 4.8

"Whenever the Contractor considers that he is suffering a delay in the smooth running of his work as the result of the execution of any work on the Site by other persons he shall report to the Engineer in writing within twenty-four (24) hours of the occurrence thereof the circumstances and extent of such delay. The Engineer shall take such steps to resolve the problem as he considers necessary. Failure on the part of the Contractor to report to the Engineer such delay at the time of its occurrence shall invalidate any claim to any extension of time in terms of Clause 6.6".

SC7: ENGAGEMENT OF EMPLOYEES

Add to Clause 4.1

"The Contractor shall at all times exercise strict control over his employees to prevent, as far as possible, any unruly or unlawful behaviour by or amongst the labourers and other employed by him.

The Contractor shall not engage or otherwise employ on the Works any person who, at the time of signing the contract, was employed by the Employer or its Consulting Engineers engaged upon the Works, unless the Contractor obtains the written consent of the Engineer in respect of the employment of such person".

SC8: SOURCE OF MATERIALS

Add to Clause 7.2

"The source of supply of all materials including all stone, sand, gravel or soil or any other natural material required in the execution of the works shall be located by the contractor. No material shall be used until it has been approved by the engineer".

SC9: EXTENSION OF TIME DUE TO INCLEMENT WEATHER

Add the following to sub-clause 5.12.2.2

(b) Abnormal climatic conditions.

No extensions of the time for completion shall be granted on the grounds of normal rainfall conditions, but extension of time in terms of clause 6.6.2 of the General Conditions of contract on the grounds of abnormal rainfall or wet conditions shall be calculated separately for each calendar month or part thereof, according to the following formula. It shall be calculated as follows for the time for completion, including any extension thereof:

$$V = (Nw - Nn) + \frac{(Rw - Rn)}{X}$$

V = Extension of time for calendar days of the calendar month concerned.
If the value of V is negative and the absolute value thereof is greater than Nn, V is taken as negative Nn.

Nw = Actual number of days during calendar month on which a rainfall of Y mm or more is recorded.

Nn = Average number of days in the calendar month concerned on which a rainfall of Y mm or more is recorded in terms of existing rainfall data

Rw = Actual rainfall for the calendar month concerned in mm

Rn = Average rainfall for the calendar month in mm deduced from existing rainfall data.

For the purposes of the contract Nn, Rn, X and Y shall have the values as stipulated below.

The total extension of time is the algebraic sum of the monthly totals for the period concerned, extension of time for parts of a month shall be calculated by using pro rata values of Nn and Rn. If the algebraic sum of the monthly totals is negative, no reduction of the time for completion as a result of rainfall shall be applicable.

This formula does not take any delays as a result of flood damage, which may cause further or simultaneous delays, into consideration and flood damage shall be treated separately for purposes of extension of time for completion.

The factor (Nw – Nn) is considered as a fair allowance for deviation from the normal for the number of days on which the rainfall exceeds Y mm. The factor (Rw – Rn)/X is considered as a fair allowance for deviation from the normal for the number of days on which the rainfall does not exceed Y mm, but on which wet conditions will hamper or disrupt work.

The Contractor shall keep daily rainfall records and submit it to the Engineer at every site meeting. No additional payment shall be made for the supply and installation of the rain gauge or for the keeping of the rainfall records and all costs must be included in the scheduled items.

SC10: EXTENSION OF TIME DUE TO DISRUPTION OF LABOUR

Add the following to Sub Clause 5.12.2.4

"Labour disruptions on a regional or national level due to political unrest, organised mass action or related incidents will be considered to be beyond the Contractor's control.

Any strike within the confines of the Contractor's company and/or this project only, will be deemed to be within the Contractor's control".

SC11: VALUATION OF MATERIAL BROUGHT ONTO SITE

Add the following to Sub-Clause 6.10.2

"Payment for materials on site will only be considered for those materials which are physically on site. Any statement in which a claim for materials on site is included, shall have attached a declaration that the materials listed in the statement are owned by the Contractor, accompanied by proof of ownership. The ownership of materials shall be transferred to the Employer in accordance with the pro forma "Transfer of Rights" bound in as an annexure to these Special Conditions of Contract".

**CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL
IN WARD 4**

CONTRACT NO: NQULM016/2023-2024

C1.3. FORM OF GUARANTEE

CONTRACT NO: NQULM016/2023-2024

WHEREAS **NQUTHU LOCAL MUNICIPALITY** (hereinafter referred to as the Employer") entered into, a Contract with:

.....

(hereinafter called "the Contactor") on the day of 20 for the

CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL IN WARD 4

AND WHEREAS it is provided by such Contract that the Contractor shall provide the Employer with security by way of a guarantee for the due and faithful fulfillment of such Contract by the Contractor;

AND WHEREAS has / have at the request of the Contractor, agreed to give such guarantee;

NOW THEREFORE WE do hereby guarantee and bind ourselves jointly and severally as Guarantor and Co-principal Debtors to the Employer under renunciation of the benefits of division and exclusion for the due and faithful performance by the Contractor of all the terms and conditions of the said Contract, subject to the following conditions:

1. The Employer shall, without reference and / or notice to us, have complete liberty of action to act in any manner authorized and/or contemplated by the terms of the said Contract, and/or to agree to any modifications, variations, alterations, directions or extensions of the completion date of the works under the said Contract, and that its rights under this guarantee shall in no way be prejudiced nor our liability hereunder be affected by reason of any steps which the Employer may take under such Contract, or of any modification, variation, alterations of the completion date which the Employer may make, give, concede or agree to under the said Contract.
2. This guarantee shall be limited to the payment of a sum of money.
3. The Employer shall be entitled, without reference to us, to release any guarantee held by it, and to give time to or compound or make any other arrangement with the Contractor.
4. This guarantee shall remain in full force and effect until the issue of the Certificate of Completion in terms of the Contract, unless we are advised in writing by the Employer before the issue of the said Certificate of his intention to institute claims, and the particulars thereof, in which event this guarantee shall remain in full force and effect until all such claims have been paid or liquidated.
5. Our total liability hereunder shall not exceed the Guaranteed Sum of
..... Rand (in words);
R..... (in figures)
6. The Guarantor reserves the right to withdraw from this guarantee by depositing the Guaranteed Sum with the beneficiary, whereupon our liability hereunder shall cease.

.....
Contractor

.....
Witness 1

.....
Witness 2

.....
Employer

.....
Witness 1

.....
Witness 2

7. We hereby choose our address for the serving of all notices for all purposes arising here from as:

.....
.....
.....
.....

IN WITNESS WHEREOF this guarantee has been executed by us at
on this day 20

Signature

Duly authorized to sign on behalf of

Address
.....
.....

As witnesses:

1

2

C1.4. CESSION AGREEMENT

WHEREAS the Contractor referred to as “Cedent” intends to cede payment to the Sub-Contractor referred to as “Cessionary” that the Sub-Contractor must be in the municipal database prior to any payments to the Cessionary bank account. No payments will be effective if the Cessionary is not on the municipal database and the municipality will not responsible for such. It is the responsibility of the Contractor to ensure that the Sub-Contractor is registered on the database to effect payments.



NQUTHU LOCAL MUNICIPALITY
DEPARTMENT OF TECHNICAL SERVICES

**CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL
IN WARD 4**

NQULM016/2023-2024

PART C2

THE BILL OF QUANTITIES

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

C2.1. PRICING INSTRUCTIONS

1. The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work (as amended) published and issued by the Association of South African Quantity Surveyors (Sixth Edition (Revised)), 1999. Where applicable the:
 - a) civil engineering work has been drawn up in accordance with the provisions of the latest edition of SANS 1200 Standardized Specifications for Civil Engineering Works.
 - b) mechanical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Refrigeration, Air-Conditioning and Ventilation Installations, published by the South African Association of Quantity Surveyors, (July 1990).
 - c) electrical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).
2. The units of measurement described in the Bill of Quantities are metric units. Abbreviations used in the Bill of Quantities are as follows:

%	=	percent
h	=	hour
ha	=	hectare
kg	=	kilogram
kl	=	kilolitre
km	=	kilometre
km-pass	=	kilometre-pass
kPa	=	kilopascal
kW	=	kilowatt
l	=	litre
m	=	metre
mm	=	millimetre
m ²	=	square metre
m ² -pass	=	square metre-pass
m ³	=	cubic metre
m ³ -km	=	cubic metre-kilometre
MN	=	meganewton
MN.m	=	meganewton-metre
MPa	=	megapascal
No.	=	number
Prov sum	=	Provisional sum
PC sum	=	Prime Cost sum
R/only	=	Rate only
sum	=	lump sum
t	=	ton (1000 kg)
W/day	=	Work day

3. For the purpose of the Bill of Quantities, the following words shall have the meanings hereby assigned to them:
- Unit: The unit of measurement for each item of work.
Quantity: The number of units of work for each item.
Rate: The agreed payment per unit of measurement.
Amount: The product of the quantity and the agreed rate for an item.
Lump sum: An agreed amount for an item, the extent of which is described in the Bill of Quantities but the quantity of work of which is not measured in any units.
4. Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance is made for waste.
5. It will be assumed that prices included in these Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards.
6. Where the Scope of Work requires detailed drawings and designs or other information to be provided, all costs associated therewith are deemed to have been provided for and included in the unit rates and sum amounts tendered under such items.
7. An item against which no price is entered will be considered to be covered by the other prices or rates in the Bill of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.
8. The quantities set out in the Bill of Quantities are approximate and do not necessarily represent the actual amount of work to be done. The quantities of work accepted and certified for payment will be used for determining payments due and not the quantities given in the Bill of Quantities.
9. The short descriptions of the items of payment given in the Bill of Quantities are only for the purposes of identifying the items. More details regarding the extent of the work entailed under each item appear in the Scope of Work.
10. The item numbers appearing in the Bill of Quantities refer to the corresponding item numbers in the Specification.
11. Those parts of the contract to be constructed using labour-intensive methods have been marked in the Bill of Quantities with the letters LI in a separate column filled in against every item so designated. The works, or parts of the Works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such Works, other than plant specifically provided for in the Scope of Work, is a variation to the contract.
12. Payment for items, which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works), will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.
13. The contractor must make allowance in his rates for the security of all material delivered and accepted on his project. The client will entertain no claims for loss of material, and replacement thereof will be solely for the contractor's own account.

C2.2. BILL OF QUANTITIES

Item	Payment Ref.	Description	Unit	Quantity	Rate	Amount
1	SABS 1200 A	PRELIMINARY & GENERAL				
1,1	8,3	<u>SCHEDULED FIXED-CHARGE ITEMS</u>				
1.1.1	8.3.1	Contractual Requirements	Sum	1		
1.1.2	8.3.2	Establish Facilities on Site				
1.1.2.1	8.3.2.1	Facilities for the Engineer				
		b) Telephone	Sum	1		
		c) Nameboard	No.	1		
1.1.2.2	8.3.2.2	Facilities for the Contractor				
		a) Office and storage sheds	Sum	1		
		b) Ablution and latrine facilities	Sum	1		
1.1.3	8.3.3	Other Fixed-Charge Obligations (Tenderer should specify)				
		a) Plant & Equipment	Sum	1		
		b) Electricity and Water	Sum	1		
		c) Security	Sum	1		
1.1.4	8.3.4	Removal of Site Establishment	Sum	1		
1.2	8,4	<u>SCHEDULED TIME-RELATED ITEMS</u>				
1.2.1	8.4.1	Contractual Requirements	Sum	1		
1.2.2	8.4.2	Operation and maintenance of the facilities on site for the duration of the contract, except where otherwise stated				
		b) Telephone	Sum	1		
		c) Nameboard	No.	1		
1.2.3	8.4.2.2	Facilities for the Contractor				
		a) Office and storage sheds	Sum	1		
		b) Ablution and latrine facilities	Sum	1		
1.2.4	8.4.3	Supervision for Duration of Construction	Sum	1		
Total Carried Forward						

Total Brought Forward						
1.2.5	8.4.4	Company and Head Office Overhead Costs	Sum	1		
1.2.6	8.4.5	Other Time-Related Obligations (Tenderer should specify)				
		a) Plant & Equipment	Sum	1		
		b) Security	Sum	1		
		c) Electricity and water	Sum	1		
1.2.7		Full compliance with all Health & Safety Matters for the duration of the contract	Sum	1		
		<i>(This should include the provision of a full time safety officer, PPE, and any other items related to the project for the duration of the contract)</i>				
1.2.8		As built records (Sub-Clause PSPA 7)	Sum	1		
1.3	8,5	<u>SUMS STATED PROVISIONALLY BY ENGINEER</u>				
1.3.1		a) Instructions by the Employer's Agent	P.Sum	1	R 200 000,00	
		b) Overhead and profit on 1.3.1 (a) above	%	R 200 000,00		
1.3.2		a) Inspection of materials by inspectors appointed by the Engineer	P.Sum	1	R 5 000,00	
		b) Overhead and profit on 1.3.2 (a) above	%	R 5 000,00		
1.3.3		a) Community Liaison Officer	P.Sum	6	R 4 500,00	
		b) Overhead and profit on 1.3.3 (a) above	%	R 27 000,00		
1.3.4		a) Inservice Trainig for Student	P.Sum	1	R 6 000,00	
		b) Overhead and profit on 1.3.3 (a) above	%	R 6 000,00		
1,4	8,7	<u>DAYWORK</u>				
		a) Labour	P.Sum	1	R 2 000,00	
		b) Materials	P.Sum	1	R 2 000,00	
		c) Plant	P.Sum	1	R 2 000,00	
1,5	8,8	<u>TEMPORARY WORKS</u>				
		a) Setting out of the works	Sum	1		
		b) Construct and maintain 100m access road to works	Sum	1		
						R -

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	EARTHWORKS (PROVISIONAL)				
	EXCAVATIONS				
	Site clearance				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush,etc	m ²	501		
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m ²	482		
	REMOVAL OF TREES ETC				
	Taking out and removing, grubbing up roots and filling in holes				
3	Tree stump exceeding 200mm and not exceeding 500mm girth	No	2		
4	Tree stump exceeding 500mm and not exceeding 1000mm girth	No	1		
	EXCAVATION, FILLING, ETC				
	Excavation in earth not exceeding 2m deep				
5	Platforms cut to fill	m ³	200		
6	Platforms cut to spoil	m ³	300		
7	Trenches	m ³	540		
8	Pit	m ³	150		
	WORKING SPACE EXCAVATIONS				
	Back excavation of vertical sides of excavation in earth not exceeding 500mm deep for working space, including backfilling compacted to 95% Mod AASHTO density				
1	For placing and removing formwork to walls etc 200mm away from excavated face exceeding 1.5m and not exceeding 3m deep	m ²	115		
	EXCAVATIONS IN STRATA OF A MORE DIFFICULT CHARACTER				
	Extra over trench and hole excavations in earth for excavation in				
2	Soft rock	m ³	250		
3	Hard rock	m ³	850		
	Extra over all excavations for carting away				
	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor				
4		m ³	54		
	Risk of collapse of excavations				
5	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	85		
	Keeping excavations free of water				
6	Keeping excavations free of all water other than subterranean water	Item	1		
	FILLING ETC				
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density				
7	Under floors, steps, pavings, etc	m ³	115		
8	Backfilling to trenches, holes, etc	m ³	185		
	Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density (G6)				
9	Under floors, steps, pavings, etc	m ³	385		
	Coarse river sand filling compacted to a density of at least 95% Mod. AASHTO density				
1	Under floors etc	m ³	85		
	Prescribed density tests on filling:				
2	Modified AASHTO Density test	No	9		
	Field Density test, including "Optimum Moisture Content" (four readings per test)				
3		No	1		
	SOIL POISONING				
	Soil insecticide				
	Soil Poisoning: Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling infurrows and ramming				
4		m ²	464		
5	To bottoms and sides of trenches etc	m ²	311		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	FORMWORK				
	CONCRETE, FORMWORK AND REINFORCEMENT				
	FORMWORK				
	CONCRETE, FORMWORK AND REINFORCEMENT				
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	10MPa/20mm concrete				
1	Surface blinding under footings and bases (Provisional)	m³	7		
	20Mpa/19mm concrete				
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
2	25 Mpa: 700x300mm Strip footings	m³	31		
3	150mm Thick reinforced concrete to slab	m³	75		
4	125mm Surface bed Slab	m³	35		
	REINFORCED CONCRETE				
	25MPa/19mm concrete				
5	Ramps	m³	1		
6	Stair Case	m³	2		
7	500x530mm Concrete bases	m³	8		
8	Concrete aprons cast in panels, laid to fall in 1:200, with control joints filled with polysulphide sealant, every 3000mm centres.	m³	9		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete to a Class U2 wood float finish				
9	Surface beds, slabs, etc to falls	m²	590		
	FORMWORK				
	FORMWORK CLASS F1 (ORDINARY FINISH)				
1	Soffit of slabs	m²	39		
2	Edges, risers, ends, reveals,etc. not exceeding 300mm high or wide	m	16		
	Movement joints				
	Movement joint not exceeding 300mm high formed of 20mm bitumen impregnated softboard placed vertically in position between concrete surfaces	m	137		
	SMOOTH FORMWORK (DEGREE OF ACCURACY 1)				
	Rough formwork to soffits				
4	Ramps with sloping soffits propped up not exceeding 1.5m high	m²	109		
	REINFORCEMENT (PROVISIONAL)				
	Mild / High tensile steel reinforcement:				
5	Reinforcement bars of all diameters	t	2,5		
	Fabric reinforcement				
6	Type 193 fabric reinforcement in aprons	kg	10		
7	Type 245 fabric reinforcement in concrete surface beds	kg	950		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	MASONRY				
	FOUNDATIONS (Provisional)				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar including galvanised crimp wire wall ties (7 per m2 laid staggered)				
1	One brick walls	m ²	385		
2	Brick Pier	m ³	51		
	SUPERSTRUCTURE				
1	150mm Blockwall in partitioning	m ²	56		
2	190mm Blockwork to walls	m ²	510		
3	190mm Blockwork Gable Ends	m ³	35		
4	190mm Blockwork to Beam filling	m ³	35		
5	One brick wall NFX bricks	m ²	154		
	Blockwork reinforcement				
6	150mm Wide reinforcement built in horizontally	m	2356		
	Galvanised hoop iron cramps, ties, etc: 30 x 1.6mm Roof tie 1,5m long with one end built 6 courses into brickwork and other end wrapped around and spiked to timber rafters.				
7		m	175		
	Prestressed fabricated lintels				
8	150 x 75mm Lintels in lengths not exceeding 3m	m	25		
	Turning pieces				
9	230mm Wide turning piece to lintels etc	m	46		
	Air bricks etc				
10	229 x 152mm Terra-cotta vermin proof air brick Brick-on-edge header course copings, sills, etc., of "Corobrik Firelight Travertine FBX" face bricks pointed with recessed joints on all exposed faces	No	25		
11	220mm wide window sill set sloping and slightly projecting (refer architect's specification)	m	28		
	FACE BRICKWORK				
	Corobrik FBA "PC 7500 for face) face bricks pointed with recessed horizontal and vertical joints				
12	Extra over brickwork for face brickwork Brick-on-edge header course copings, sills, etc., of "Corobrik Firelight Travertine FBX" face bricks pointedwith recessed joints on all exposed faces	m ²	246		
13	220mm wide window sill set sloping and slightly projecting (refer architect's specification)	m	153		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	WATERPROOFING				
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course				
1	In walls One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"	m ²	165		0,00
2	Under surface beds	m ²	339		0,00
	JOINT SEALANTS ETC				
	Silicone sealing compound including backing cord, bond breaker, primer, etc				
3	In joints between window or door frames and concrete or brickwork	m	36		0,00
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	ROOF COVERINGS ETC				
	ROOF SHEETING AND ACCESSORIES				
	0.8mm thick Chromadeck ISOQ230, Z275 roof sheeting screw fixed to purlins as per specialist detail.				
	Roof covering with pitch not exceeding 27 degree, in transportable lengths not exceeding 20m. The description includes all related items.				
1		m ²	650		
2	Ridge capping 450mm girth	m	29		
3	Narrow and broad flute closers	m	29		
	0.27mm Custom formed aluminium edge flashing(girth 120mm) with colour bond finish to both sides				
4		m	29		
5	Edge Flashing	m	60		
	Ridge Closers				
	SONDOR' corrugated pattern Polyclosers under ridge capping etc				
6		m	29		
	ROOF AND WALL INSULATION				
	Sisalation 420 or equal and approved heavy industrialgrade aluminium foil based insulation				
	Insulation laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires				
7		m ²	650		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	CARPENTRY AND JOINERY				
	ROOFS, ETC				
	Sawn softwood				
1	38 x 114mm Wall plates	m	130		
2	50 x 76mm Purlins not exceeding 6.6 m in length, to manufacturer's specification	m	367		
3	Rafters	m	53		
	Sundries				
4	Two coats ABE Provinite on wrought timbers	m²	75		
5	Teco two way hurricane clips secured to purlins and trusses at every intersection externally and internally galvanised wire is to be used	No	240		
	DOORS, ETC				
	Saligna 'BLACO' framed, ledged, braced & battened door with 110 x 40mm styles & top rail, 150 x 20mm middle ledge, 225 x 20mm bottom ledge, 110 x 20mm braces & min. x 20 T.G. & V jointed battens, hung to steel frame. Including aluminium doors as per specification.				
6	(D4) Double Door Size 1447 x 2098mm high, as per Architect's Specification.	No	4		
7	(D2) and (D3) aluminium door size to be specified, As per architect details.	No	8		
	Solid flush panel doors				
8	(D1) Door Size 813 x 2032mm high SEMI SOLID CORE door with marine plywood veneer on both sides, as per Architect's Specification.	No	2		
	SKIRTINGS				
	Wrought meranti				
10	19 x 75mm Skirtings including 19mm quadrant bead plugged	m	84		
11.	<u>FURNITURE</u>				
11.1	400 Plastic Chairs	No	1		
11.2	12 Tables	No	1		
11.3	400 litres Fridge	No	1		
11.4	Electrical 4plates Stove	No	1		
11.5	Built in kitchen with double sink	No	1		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	CEILINGS, PARTITIONS AND ACCESS FLOORING				
	Suspended ceiling with suspended light fitting on grid system				
1	GyprocRhinoCell Prestige J flush jointed ceiling 9,5mm thick tapered edge.	m²	374		
2	Extra over ceiling for 600x600mm trap door.	No	4		
	Brits Insulation				
3	Isotherm 100mm thick polyester thermal ceiling insulation laid on ceilings (measured nett)	m²	374		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	FLOOR COVERINGS, PLASTIC LININGS, ETC FLOOR COVERINGS High traffic epoxy floor paint 2.5 to 3mm thick as per specialists specifications 35mm Granolithic screed				
1	On floors	m ²	312,4		
	Timber Floor Tiling				
2	On Stage	m ²	40,7		
	Floor Tilling				
3	Porcelain Tile 600mm x 600mm	m ²	312		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	IRONMONGERY				
	HINGES, BOLTS, ETC				
1	Union 100mm Heavy Duty hinges welded in position as per architect's specification	No	41		
	EN-SUITE LOCKS				
2	Union Four lever mortice lockset (2247-7855) with CP on brass Gower Lever handles CB862-05h	No	13		
3	Three lever mortice lockset (2247-7855) with CP on brass Gower Lever handles CB862-05h	No	5		
	LETTERS, NAMEPLATES, ETC				
	4mm Perspex signs painted white on back with letters and numerals reverse engraved and painted black				
4	OFFICE 1	No	1		
5	kitchen	No	1		
6	Male sign	No	1		
7	Female sign	No	1		
8	PARAPLEGIC Sign	No	2		
9	Adjustable blinds with vertical fabric louvre blades set in natural anodised aluminium top track and bottom guide with mechanism permitting sliding and rotating blades from fully open to fully closed, with top track and bottom guide plugged to wall	SUM	1		
	SUNDRIES				
10	Solid Door stop (CZ8731CH) fixed with counter sunk-sunk bolt into anchor bolt	No	13		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	METALWORK				
	HOT DIPPED GALVANIZED STEEL WINDOWS, DOORS, ETC				
1	Galvinised steel door frame, size 14477x2098mm high including door frame.	No	8		
2	Galvanised security gate as per detail specification	No	2		
	Natural anodized aluminium frame window, Combination Residential Window: Combine window 'Winblocks' (WB66)				
3	Window (W1) Size 1176 x 1125mm high - as per Architect's schedule	No	6		
4	Window (W2) Size 1997 x 11125mm high - as per Architect's schedule	No	8		
	DOOR FRAMES				
5	Standard 1.2mm thick single rebated pressed mild steel frame	No	9		
6	Double rebated door frame size 1600x2100mm Hot dippedgalvanised mild steel and apply one coat red oxide or zinc chromate primer before delivery	No	4		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	PLASTERING				
	Internal Plaster				
1	On Walls	m ²	985,6		
2	On narrow widths	m ²	45		
	External Plaster				
3	On Walls	m ²	580		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	PLUMBING AND DRAINAGE				
	RAINWATER DISPOSAL				
	Seamless Aluminium				
1	125 x 100mm Ogee eaves gutters with baked enamel finishfixed with concealed brackets (all to supplies spec).	m	56		
2	Extra over eaves gutter for outlet for 100 x 75mm rectangular down pipe	No	8		
3	Extra for stopped end	No	8		
4	Extra for angle	No	16		
5	Extra over rainwater pipe for bend	No	6		
6	Extra over rainwater pipe for shoe	No	6		
7	100 x 75mm rectangular rainwater pipes with 20 x .6mm brackets to wall	m	24		
	SANITARY FITTINGS, SUNDRIES, PLUMBING, ETC				
	Allow a provisional amount of for sanitary fittings as per architect's detail		1		
	FIRE SERVICE				
	TESTING				
8	Provide all necessary apparatus, water, etc. for and test thewhole of the Sanitary Plumbing, Water Supply and Fire Service installations to the satisfaction of the Representative/Agent and the Local Authority, rectify all defective work free of charge and leave in perfect order	Item	1		
	FIRE APPLIANCES ETC				
	Chubb				
9	Everyway hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	1		
10	9kg dry chemical portable fire extinguisher	No	2		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	GLAZING GLAZING TO STEEL WITH PUTTY 4mm Toughened Frosted Glass Panes exceeding 0,5m2 and not exceeding 2m2	m²	37		
1	TOPS, SHELVES, DOORS, MIRRORS, ETC 6mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete Mirror 450 x 600mm high with four screws	No	6		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	PAINTWORK PAINTWORK, ETC TO NEW WORK ON Prepare and apply one coat primer to SABS 1416 "Plascon Plaster Primer(UC56) and two Double velvet. Code "Y5-E2-3 unless otherwise staed on indicated parttioning plan. Please refer to Architects specification(WF1)				
1	Internal Walls	m²	649		
2	External Walls	m²	831,6		
	PLASTER BOARD SURFACES WITH PLASCON VIP One coat primer to SABS 1416 and two coats "double velvet range" paint to SABS Grade 1 semi gloss				
2	Ceilings and Cornices	m²	415		
	METAL SURFACES WITH				
3	Windows	m²	19		
	One coat calcium plumbate primer to SABS 912, one undercoat toSABS 681 Type II and two coats gloss alkyd enamel paint to SABS 630 Type 1 on galvanised steel				
4	On Burglar Bars	m²	18		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	PLUMBING AND DRAINAGE EXCAVATIONS FOR SEWER, WATER, SUB SOIL DRAINAGE Excavations				
1	Excavate not exceeding 2m deep for drain trenches	m ³	14		
2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m ³	1		
3	Under floors etc	m ²	15		
4	To bottoms and sides of trenches etc	m ²	10		
	Class 34 uPVC pipes				
5	b) 110mm dia. Extra over items 5.1, 5.2 and 5.3 for uPVC fittings	m	136		
	(a) Channel Junctions				
6	160 x 110 mm dia. Y junction	No	8		
	Extra over for benching within manholes:				
7	160 x 110 mm dia. channel junction	No	2		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SEPTIC TANK				
	EARTHWORKS (PROVISIONAL)				
	Site clearance				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m ²	18		
	EXCAVATIONS				
	Excavation in earth not exceeding 2m:				
2	Holes	m ³	43		
	Excavation in earth exceeding 2m but not exceeding 4m deep				
3	Holes	m ³	11		
	Extra over all excavations for carting away				
4	Surplus material from excavations and/or stock piles on site to a dumping site	m ²	54		
	Risk of collapse of excavations				
5	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	54		
	Keeping excavations free of water				
6	Keeping excavations free of all water other than subterranean water	Item	1		
	WORKING SPACE EXCAVATIONS				
	Back excavation of vertical sides of excavation in earth exceeding 500mm and not exceeding 1,5m deep for working space, including backfilling compacted to 95% Mod AASHTO density				
1		m ³	36		
	For placing and removing formwork to walls etc 200mm away from excavated face, exceeding 500mm and not exceeding 1500mm deep. Coarse river sand filling compacted to a density of at least 95% Mod. AASHTO density				
2	Under floors etc	m ³	2		
	Compaction of surfaces				
	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density				
3		m ²	12		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
1	Surface bed	m ³	2		
2	Slab roof slab	m ³	3		
	TEST BLOCKS				
3	Making and testing of three 150 x 150 x 150mm concrete strength test cubes	SUM	1		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete to a Class U2 wood float finish				
4	Surface beds, slabs, etc	m ²	18		
	ROUGH FORMWORK (CPAP Work Group 111)				
	FORMWORK CLASS F1 (ORDINARY FINISH)				
	Rough formwork to sides				
	pit slabs propped up exceeding 1,5m and not exceeding 3.5m high, including removal from confined area.				
5		m ²	18		
6	16mm Diameter bars	t	1,2		
	Inspection Covers				
7	450 x 600 cover for conservancy tank	No	2		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	FENCING				
	Security fencing, gates, etc including two coats aluminium paint on metal stays, framing, etc				
1	Security fencing 1800mm high formed of "Weldmesh" 76x50mm diameter galvanised tie tightly stretched and secured to, and including four 4mm diameter galvanised tie wires spaced at 125mm centres to the top and bottom straining wires and at 300mm centres to the intermediate straining wires, and with 720mm high protection above fencing comprising three strands of 1,6mm galvanised double strand wire tightly stretched and secured to post with 600mm diameter flat wrap barbed wire vertical loops fixed to same and to bottom of "Weldmesh" fencing with 1,6mm galvanised tying wire, with and including intermediate posts at not exceeding 3000mm centres, and including clearing fence line of all vegetation for 2000mm width and roughly reducing or making up levels as necessary not exceeding 300mm deep	m	350		
2	Extra for gate or end post with one stay	No	9		
3	Extra for straining or corner post with two stays	No	7		
1	Double Gate size 6000x1800mm high, formed of 50mm diameter x 2,8mm thick tubular frame mitred and flush welded at angles with one 50mm diameter x 2,8mm thick brace scribed, mitred and welded into corners, the gate covered with 50x50x2,5mm diameter "Weldmesh" securely bound to frame with 2mm diameter galvanised binding wire, the extensions each three times holed for and including three strands of galvanised and twisted double strands of barbed wire vertical loops fixed to same and to bottom of "Weldmesh" fencing with 1,6mm galvanised tying wire, the gate fitted with two 20mm diameter adjustable hinges each 300mm girth with one end threaded for and fitted with nut, locknut and washers and other end forged around stile and with 10mm diameter galvanised mild steel collar forged around around and welded to stile above hinge, 10mm diameter galvanised mild steel semi-circular lock surround 450mm girth, with each end welded to stile, fit gate with galvanised mild steel locking device formed of two 10mm plates each size 295x100mm high either side of gate and drilled for 40mm diameter chain hole, with 10x50x100mm flat bar welded between locking plates and with 10mm diameter pivot 100mm long welded on between locking plates including holing one side and 10x30mm stop 130mm long welded to gate post and weld to opening stile 20mm diameter x 300mm long galvanised mild steel drop bolt, together with two 25mm diameter galvanised mild steel pipe ferrules each 1500mm long with ends embedded in and including concrete blocks in ground	No	1		
2	Single pedestrian gate formed of 50mm diameter x 2,8mm galvanised mild steel tubular frame all round with one 50mm diameter x 2,8mm diagonal brace filled in with thirteen strands of horizontal barbed wire as for fencing and with three rolls of "Flatwrap" security coil 700mm deep, the gate hung on pair of approved hinges as detailed with mild steel padbolt including holing frame and gate post. Size 1500 x 1750mm high	No	1		
3	Union 3122/63 padlock with two keys	No	2		
	TOTAL CARRIED TO SUMMARY				R -

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SITEWORKS				
	ROADWAY				
	Soft Excavation				
1	To reduce levels not exceeding 2,0m deep	m ³	450		
	Earth filling supplied by the contractor, spread and levelled in layers not exceeding 300mm deep and cpmacted too 100% Mod AASHTO				
	Gravel filling (G5) supplied bt the contractor compacted to 98% Mod AASHTO density				
2	Backfilling under paving	m ³	42		
	Compaction of Surfaces				
3	Compact earth under foundations to 95% Mod AASHTO density	m ²	416		
	Compaction of surfaces				
	Extra over all excavations for carting away:				
4	Surplus material from excavations and / or stock piles on site to a dumping site to be located by the contractor	m ³	42		
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	BUDGETARY ALLOWANCE NOTES: 1. Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances 2. All budgetary amounts cover the supply of material and equipment and of installation where applicable by firms of specialists. The firms of specialist must be operating their businesses within the jurisdiction of Nquthu Local Municipality, and if no specialist within Nquthu, then must be within UMzinyathi District Municipality. Budgetary amounts are not and do not include for builder's discount, but the tenderer may allow under the item for "Profit" any profit he considers necessary. The tenderer is referred to item B7.1 and B7.2 in Section 1 ("Preliminaries") for the definitions and adjustment of "Attendance". 3. Under no circumstances may any Prime Cost or Budgetary allowance etc be extended at an amount lower than the amount given in this Bill Budgetary amounts may be omitted or reduced at the Employer's or Principal Agent's sole discretion and the contractor shall not be entitled to claim for any loss by way of reductions or omissions of any discount, or percentage relating to Budgetary allowance or P.C. Amounts or any loss of profit related thereto. 4. The following budgetary amounts are for work to be executed (supplied, erected, installed and commissioned) by selected sub-contractors. SELECTED SUB-CONTRACTORS Borehole Installation Provide a provisional sum of R350 000 (three hundred and fifty thousand only) for Drilling of borehole, encase and equipping complete with suitable pump, filtration system and 2 No. 5000kL water storage tanks on elevated tank stand on reinforced concrete footing 2 Provide a provisional sum of R300 000 (three hundred thousand only) for septic tank, soak away, sewer pipes and aprons Skills Development on Site Contractor in conforming to the object of EPWP that its participants need to be capacitated with skills that will render them employable in the future. It is then the responsibility of the contractor that mandatory life skills are provided to 100% of workforce on site and on the job training to labourers from whom the potential for further development has been identified. The latter is not mandatory to all as it covers technical skills. Contractor should also make provision for the possibility that there might be local youth that will need to be placed on the project with an intention to be provided support towards improving their level of competency and productivity. Contractor shall also provide all necessary on-the-job training to targeted labour to enable such labour to master and advance on techniques required to undertake the work in accordance with requirements of the contract in a manner that does not compromise workers health and safety. 3 Electrical installation Provide the amount of R280 000.00 (Three Hundred and Eighty Thousand Rands) for electrical works as directed by the Principal Agent 4 PREFABRICATED TIMBER ROOF TRUSSES, ETC Provide the amount of for design and supply of plate nailed timber roof trusses and elements 5				
1		P.Sum	1	350 000,00	
2		P. Sum	1	300 000,00	
3		P.Sum	1	185 000,00	
4		P.Sum	1	280 000,00	
5		P.Sum	1	200 000,00	

**NQUTHU LOCAL MUNICIPALITY
CONSTRUCTION NHLABAMKHOSI HALL**

FINAL SUMMARY

SECTION	DESCRIPTION	AMOUNT
Section No.1 - Bill No.1	PRELIMINARIES	
Section No.2 - Bill No.1	EARTHWORKS (PROVISIONAL)	
Section No.2 - Bill No.2	FORMWORK	
Section No.2 - Bill No.3	MASONRY	
Section No.2 - Bill No.4	WATERPROOFING	
Section No.2 - Bill No.5	ROOF COVERINGS ETC	
Section No.2 - Bill No.6	CARPENTRY AND JOINERY	
Section No.2 - Bill No.7	CELINGS, PARTITIONS AND ACCESS FLOORING	
Section No.2 - Bill No.8	FLOOR COVERINGS, PLASTIC LININGS, ETC	
Section No.2 - Bill No.9	IRONMONGERY	
Section No.2 - Bill No.10	METALWORK	
Section No.2 - Bill No.11	PLASTERING	
Section No.2 - Bill No.12	PLUMBING AND DRAINANGE	
Section No.2 - Bill No.13	GLAZING	
Section No.2 - Bill No.14	PAINTWORK	
Section No.3 - Bill No.1	PLUMBING AND DRAINANGE	
Section No.3 - Bill No.2	SEPTIC TANK	
Section No.3 - Bill No.3	FENCING	
Section No.3 - Bill No.4	SITEWORKS	
Section No.4 - Bill No.1	BUDGETARY ALLOWANCE	
TOTAL SUMMARY OF SCHEDULES		
Add 10% Contingencies		
SUB TOTAL		
ADD 15% VAT		
TOTAL CARRIED FORWARD TO FORM OF OFFER (TENDER SUM)		



NQUTHU LOCAL MUNICIPALITY
DEPARTMENT OF TECHNICAL SERVICES

**CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL
IN WARD 4**

NQULM016/2023-2024

PART C3

SCOPE OF WORK



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C3.1. DESCRIPTION OF THE WORKS

C3.1.1. EMPLOYER'S OBJECTIVES

The employer's objectives are to deliver adequate public infrastructure to communities residing within its boundaries.

The work consists of the **CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL IN WARD 4** at Nhlabamkhosi within Nguthu Local Municipality. The community hall will cater for the needs of the surrounding villages where no similar facility exists. It is anticipated that the proposed facility will primarily benefit the community of Ward 4.

C3.1.2. OVERVIEW OF THE WORKS

The Nhlabamkhosi Community Hall will be constructed on predominantly virgin land. The proposed site is within close proximity to existing graves and electrical powerlines.

The extent of the works will comprise of the following major activities:

- a) Main hall building with stage and basic furniture (Foundation to roof)
- b) Concrete aprons and concrete drains
- c) Geohydrological survey, borehole drilling, equipping and commissioning complete with elevated 2No. 5000kL water storage tanks
- d) Waterborne Ablution facilities (if borehole drilling is unsuccessful this will change to VIP)
- e) Internal plumbing, septic tanks and soak away
- f) 280m Perimeter Clearview fence complete with 1x pedestrian and 1x vehicular gates
- g) Gravel access, parking and stormwater control
- h) Electrification
- i) Rain water harvesting tanks complete with stand and booster pump

C3.1.3. EXTENT OF THE WORKS

The works consist of the construction of Nhlabamkhosi Community Hall complete with supporting facilities all confined within the perimeter fence save for the gravel access linking to the existing access road. The proposed site will be 0.2ha.

It must however be noted that the scope of works can be adjusted in order to accommodate the available budget if it is deemed necessary.

C3.1.4. TECHNICAL SPECIFICATIONS

The Bidder is to construct the Nhlabamkhosi Community Hall in Ward 4, complete as per the following and attached drawings:

- 1) Main hall building with stage and basic furniture (Foundation to roof)
- 2) Concrete aprons and concrete drains
- 3) Geohydrological survey, borehole drilling, equipping and commissioning complete with elevated 2No. 5000kL water storage tanks
- 4) Waterborne Ablution facilities (if borehole drilling is unsuccessful this will change to VIP)
- 5) Internal plumbing, septic tanks and soak away
- 6) 280m Perimeter Clearview fence complete with 1x pedestrian and 1x vehicular gates
- 7) Gravel access, parking and stormwater control
- 8) Electrification

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

- 9) Rain water harvesting tanks complete with stand and booster pump

C3.1.5. LOCATION OF THE WORKS

The project is located in the KwaZulu Natal Province under the Nquthu Local Municipality in the village of Nhlabamkhosi in WARD 4. The project site is located within a radius of approximately 30 km from Nquthu Central Business District. The proposed site is on vacant land with electrical powerlines in close proximity to the site. The project coordinates are **28 ° 19' 34.80" S, 30 ° 54' 22.77" E.**

C3.1.6. TEMPORARY WORKS

There are no major temporary works on the contract.

C3.2. TECHNICAL

C3.2.1. DESIGN SERVICES AND ACTIVITY MATRIX

Responsibilities for the design and activity matrix can briefly be classified as follows:

- Final design for fixed works : Employer
- Setting out the Works : Contractor
- Preparation of as-built drawings : Contractor

C3.2.2. EMPLOYER'S DESIGN

The employer's design is depicted on the tender drawings, and provides the design of all of the fixed works. The construction drawings will be issued upon the award of the contract.

C3.2.3. DESIGN BRIEF

The Contractor must note that works will be executed on an open veld near a public facility and road. Hence, there are risks of safety to motorists, community and livestock. Such risk(s) must be incorporation into the Contractor's pricing.

The Contractor is to satisfy the Engineer as to the methodology to be followed and will not proceed until this has officially been approved. Approval thereof will however not transfer the responsibility for safe working practice from the Contractor, who will remain responsible therefore.

C3.2.4. DRAWINGS

C3.2.4.1. Drawings Prepared for the Contractor

The following drawings are bound into the bid document and comprise the tender drawings:

DRAWING NUMBER	REV	DRAWING DESCRIPTION	SIZE
NMCH-ARCH-000	1	Site Development Plan	A1
NMCH-ARCH-1300	1	General Notes	A1
NMCH-ARCH-1400	1	Fence & Gate Details	A1
NMCH-ARCH-100	1	Hall Floor Plan	A1
NMCH-ARCH-200	1	Ablutions	A1
NMCH-ARCH-300	1	Elevations	A1
NMCH-ARCH-400	1	Section & Details	A1

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

NMCH-ARCH-500	1	Window & Doors Schedule	A1
NMCH-ARCH-600	1	Calvet Details	A1
NMCH-ARCH-700	1	Sign Board	A1
NMCH-ARCH-800	1	Ablutions Block Slab Detail	A1
NMCH-ARCH-900	1	Main Hall slab Detail	A1
NMCH-ARCH-1000	1	Wall Plate Plan	A1
NMCH-ARCH-1100	1	Hall Foundation Layout	A1
NMCH-ARCH-1200	1	Hall Foundation Details	A1

C3.2.5. **AS-BUILT DRAWINGS AND INFORMATION**

All information in possession of the contractor that is required by the engineer's Representative in order to complete the as-built drawings and to prepare a completion report for the employer must be submitted to the engineer's representative before a Certificate of Practical Completion will be issued for the works.

C3.3. **PROCUREMENT**

C3.3.1. **SUB-CONTRACTING**

As required by Clause 8 - 4 of the Conditions of Contract, the contractor shall be responsible for all work carried out by sub-contractors (whether nominated by the employer or selected by the contractor) on his behalf. The engineer will not liaise directly with any sub-contractor, nor will he become involved in any problems and / or disputes related to payments, programming, workmanship etc, unless provided for in the Conditions of Contract. Such problems and / or disputes shall remain the sole concern of the contractor and his sub-contractors.

C3.4. **CONSTRUCTION**

C3.4.1. **STANDARD SPECIFICATIONS**

Although not bound in, nor issued with this document, the following standardized specifications shall form part of the contract document and, notwithstanding the provisions of Sub-clause 2.2 of SANS Clause 8, the additions specified below shall apply.

SANS 1200 Series, and in particular:

SABS 1200 A	:	General
SABS 1200 AA	:	General (small works)
SABS 1200 AB	:	Engineer's Office
SABS 1200 C	:	Site Clearance
SABS 1200 D	:	Earthworks
SABS 1200 DA	:	Earthworks (small works)
SABS 1200 DB	:	Earthworks (pipe trenches)
SABS 1200 DM	:	Earthworks (roads, subgrade)
SABS 1200 G	:	Concrete (Structural)
SABS 1200 LB	:	Bedding (pipes)

Model Preambles of Trades - 1999 Edition

All building works shall be in accordance with the "Standard Preambles of Trades". The abovementioned documents may be viewed at the offices of the Engineer and is available from:

South African Bureau of Standards
Private Bag X 191
PRETORIA
0001

and

South African Quantity Surveyors Association
P. O. Box 3527
HALFWAY HOUSE
1685

C3.4.2. ITEMS NOT COVERED IN THE SPECIFICATIONS

Some of the items in the Schedule of Quantities may not be covered by the Standard Specifications. These items are detailed on the drawings or described in the Schedule of Quantities. The rates tendered must include all labour material etc. No additional payments will be considered.

C3.5. HEALTH AND SAFETY SPECIFICATIONS

C3.5.1. CLIENT RESPONSIBILITIES

The health and safety specifications are prepared to discharge the client's responsibilities in terms of the Occupational Health and Safety Act, Act No. 85 of 1993 (OSHACT) and the attendant regulations. The most noteworthy of these regulations are the Construction Regulations (GNR 1010 of 18 July 2003), the General Administrative Regulations (GNR 929 of 25 June 2003) and the General Safety Regulations (GNR 1031 of 30 May 1986 and subsequent amendments).

A health and safety specification is a documentation of all the health and safety requirements pertaining to the construction works so as to ensure health and safety of affected persons.

In terms of the Construction Regulations attached to the OSHACT the client is responsible for:

- Preparing a documented health and safety specification for the construction work, and provide any principal contractor who is making a bid or appointed to perform construction work for the client with the same;
- promptly providing the principal contractor and his or her agent with any information which might affect the health and safety of any person at work carrying out construction work;
- appointing each principal contractor in writing for the project or part thereof on a construction site;
- taking reasonable steps to ensure that each principal contractor's health and safety plan is implemented and maintained on the construction site: Provided that the steps taken shall include periodic audits at intervals mutually agreed upon between the client and principal contractor, but at least once every month;
- stopping any contractor from executing construction work which is not in accordance with the principal contractor's health and safety plan for the site or which poses to be a threat to the health and safety of persons;
- ensuring that where changes are brought about, sufficient health and safety information and appropriate resources are made available to the principal contractor to execute the work safely;

- ensuring that every principal contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer prior to work commencing on site; and
- ensuring that potential principal contractors submitting tenders, have made provision for the cost of health and safety measures during the construction process.

A client shall discuss and negotiate with the principal contractor the contents of the health and safety plan and thereafter finally approve the health and safety plan for implementation.

A client shall ensure that a copy of the principal contractor's health and safety plan is available on request to an employee, inspector or contractor.

No client shall appoint a principal contractor to perform construction work, unless the client is reasonably satisfied that the principal contractor that he or she intends to appoint has the necessary competencies and resources to carry out the work safely.

A client may appoint an agent in writing to act as his or her representative and where such an appointment is made, the responsibilities as are imposed by these regulations upon a client, shall as far as reasonably practicable apply to the person so appointed.

No client shall appoint any person as his agent, unless the client is reasonably satisfied that the person, he or she intends to appoint has the necessary competencies and resources to perform the duties imposed on a client by these regulations.

C3.5.2. OCCUPATIONAL HEALTH AND SAFETY SPECIFICATIONS

C3.5.2.1. The purpose of the Occupational Health and Safety Specification

The purpose of the Occupational Health and Safety Specification (OHSS) is to assist contractors to achieve compliance with the Occupational Health and Safety law, in order to reduce incidents and injuries. The OHSS will be implemented during the construction of this project or any construction activity that the Employer has control over.

The OHSS is a performance specification to ensure that the Employer and any bodies that enter into formal agreements with the Employer viz. Agents, Consultants, Principal Contractors and Sub-Contractors achieve an acceptable level of OHS performance. No advice, approval of any document required by the OHSS such as hazard identification and risk assessment action plan or any other form of communication from the Employer shall be construed as an acceptance by the Employer of any obligation that absolves the Contractor from achieving the required level of performance and compliance with legal requirements. Further, there is no acceptance of liability by the Employer which may result from the Contractor failing to comply with the OHSS, i.e. the Contractor remains responsible for achieving the required performance levels.

C3.5.2.2. Implementation of the Occupational Health and Safety Specification

This OHSS forms an integral part of the Contract, and Contractors are required to make it an integral part of their Contracts with Sub-Contractors and Suppliers. It will be disseminated by the Employer to persons responsible for the design of the infrastructure works, who will ensure that it is included in the Tender Document(s) issued to prospective Contractors. The prospective Contractors shall incorporate the requirements of the OHSS in their submission of tenders to the Employer. Some of the requirements of the OHSS are detailed in Annexure A.

This specification must be read in conjunction with the Occupational Health and Safety Act, Act No 85 of 1993 (as amended), the Regulations as published in Government Notice No R 1010 of 18 July 2003, the General Administrative Regulations as published in Government Notice No R 929 of 25 June 2003, as well as the General Safety Regulations published in

Government Notice No. R 1031 of 30 May 1986, as amended. If blasting is to be conducted on site the Explosives Regulations published in Government Notice No. R 109 of 17 January 2003, would become applicable. It is noted that blasting, at the time of tender, will not be required.

These documents are obtainable as one publication entitled "Occupational Health and Safety Act and Regulations, 85 of 1993 (Full Version) Third Edition" published by Lexis Nexis Butterworths, 215 North Ridge Road, Morningside, 4001, Durban, KwaZulu-Natal.

3.5.2.2 Scope

This OHSS covers the requirements for eliminating and mitigating incidents and injuries in all Employer controlled projects.

The scope also addresses legal compliance, hazard identification and risk control, promoting a health and safety culture amongst those working on the project and those affected by the activities taking place in and around them.

3.5.2.3 Interpretations

3.5.2.3.1 Application

Compliance to the requirements of the OHSA, Construction regulations and General Safety Regulations is in addition to the requirements of the OHSS and is part of the Contractor's responsibility. The Employer will through the Agents, as appointed, monitor that the Contractor complies with the requirements of the OHSA and will not prescribe to the Contractor how such compliance is achieved.

3.5.2.3.2 Definitions

The definitions used will be those set out in the Construction Regulations, GNR 1010 of 18 July 2003 with the following additions:

Engineer:

Means a competent person appointed by the employer to design, supervise and monitor construction on their behalf.

Induction Training:

Means once off introductory training on general health and safety issues given to all employees before commencement of work on site.

Risk:

Means the probability or likelihood that a hazard can result in injury or damage.

Site:

Means the area in the possession of the Contractor for the construction of the works. Where there is no demarcated boundary it will include all adjacent areas, which are reasonably required for the activities for the Contractor, and approved for such use by the Engineer.

The Act:

Means, unless the context indicates otherwise, the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and Regulations promulgated there under.

3.5.2.4 Requirements At Tender Stage

The Contractor shall make available the following with his completed tender:

An outline of a Health and Safety Plan as described in Regulation 5 of the Construction Regulations. The Safety Plan must be based on the Construction Regulations 2003 and this specification and will be subject to approval by the Employer. This will include a Hazard Identification and Risk Assessment Analysis appropriate to the project.

A declaration to the effect that he has the competence and necessary resources to carry out the work safely in compliance with the Construction Regulations 2003.

Failure to submit the foregoing with his tender or during tender evaluation, will lead to the conclusion that the Contractor is not be able to carry out the work under the contract safely in accordance with the Construction Regulations and may result in the tender being disqualified.

3.5.2.5 Notification Of Commencement Of Construction Work

After award of the contract, but before commencement of construction work, the Contractor shall, in terms of Regulation 3 of the Construction Regulations, notify the Provincial Director of the Department of Labour in writing if the following work is involved:

- The demolition of structures and dismantling of fixed plant of height of 3,0 m or more;
- the use of explosives;
- construction work that will exceed 30 days or 300 person-days;
- excavation work deeper than 1,0 m; or
- working at a height greater than 3,0 m above ground or landings.

The notification must be done in the form of the pro forma included as Annexure A to the Construction Regulations, 2003.

The address details of the provincial director are as follows:

The Provincial Director: KwaZulu-Natal
Department of Labour
P.O. Box 940
DURBAN
4000

A copy of the notification form must be kept on site, available for inspection by inspectors, Employer, Engineer, employees and persons on site.

3.5.2.6 Guidelines For The Development Of A Health & Safety Plan

3.5.2.6.1 Background

In terms of the Construction Regulations [Regulation 4 (1) (a)] of the Occupational Health and Safety Act, No 85 of 1993, the Client is required to compile an Occupational Health and Safety specification for each of its projects and the Contractor, appointed by the Client in terms of Regulation 4 (1) (c), is required to prepare an Occupational Health and Safety Plan. This plan has to be prepared in terms of Regulation 5 (1) as well as the Client's Occupational Health & Safety Specification. In terms of Regulation 4 (2), the Client and the Contractor are required to agree on the Occupational Health and Safety Plan before any work may commence.

3.5.2.6.2 Framework for an Occupational Health and Safety Plan

Introduction

The Contractor has to demonstrate to the Client that he has a suitable and sufficiently documented Occupational Health and Safety Plan as well as the necessary competencies, experience and resources to perform the construction work safely. The Contractor is required to submit at, or before, the site handover meeting, the following documentation for perusal and verification by the Client or the Client's Agent:

- Management Structure including an organogram
- Quality Plan
- "Letter of good standing" from the Compensation Commissioner or licensed compensation insurer.
- Proof of induction and other training of employees

Contents of an Occupational Health and Safety Plan

The Occupational Health and Safety Plan shall include the following:

Occupational Health and Safety Management Programme

- A risk assessment carried out in terms of Regulation 7 of the Construction Regulations;
- Management of occupational health and safety risks;
- Occupational health and safety structures and appointments; and
- Programme of occupational health and safety inspections.

Statement Regarding the Communication and Management of the Work

- Management structure and responsibilities;
- Occupational Health and Safety objectives for the project and arrangements for monitoring and review of Occupational Health and Safety performance;
- Arrangements for:
 - o Regular liaison between parties on site;
 - o Creating and maintaining the health and safety file;
 - o Consultation with the workforce;
 - o The exchange of design information between the Client, Engineer, supervisors and subcontractors on site;
 - o Handling design changes during the project;
 - o Selection and control of subcontractors;
 - o The exchange of Occupational Health and Safety information between all subcontractors;
 - o Security;
 - o Site induction and on site training;
 - o Facilities and first-aid;
 - o The reporting and investigation of accidents and incidents;
 - o The production and approval of method statements;
 - o Site Occupational Health and Safety rules;
 - o Fire and emergency procedures;
 - o Reporting to the Client i.e. results of Occupational Health and Safety inspections;
 - o Incident investigations and committee meetings; and
 - o Reporting of incidents to the Department of Labour and Compensation Commissioner where appropriate.

3.5.2.7 Appointment of Safety Personnel

3.5.2.7.1 Construction Supervisor

In terms of Section 16 of the Act, the Chief Executive officer of the Contractor may delegate, in writing, part or all of his powers to a suitable person on the site. The Contractor shall appoint a full-time Construction Supervisor, in writing, in terms of Section 6.1 of the Regulations with the duty of supervising the performance of the construction work.

He may also have to appoint one or more competent employees to assist the construction supervisor where justified by the scope and complexity of the works.

3.5.2.7.2 Construction safety officer

In terms of Section 6 of the Regulations the Contractor shall appoint in writing a full-time or part-time Construction Safety Officer. The Safety Officer shall have the necessary competence and resources to perform his duties diligently.

Provision has been made in the schedule of quantities to cover the cost of the construction safety officer.

3.5.2.7.3 Health and safety representatives

In terms of Sections 17 and 18 of the Act the Contractor shall appoint, in writing, a health and safety representative whenever he has more than 20 employees in his employ on the works. The health and safety representative must be selected from employees who are employed in a full-time capacity at a specific workplace.

The number of health and safety representatives for a workplace shall be at least one for every 50 employees.

The function of the health and safety representative(s) will be to review the effectiveness of health and safety measures, to identify potential hazards and major incidents, to examine causes of incidents (in collaboration with his employer, the Contractor), to investigate complaints by employees relating to health and safety at work, to make representations to the employer (Contractor) or inspector on general matters affecting the health and safety of employees, to inspect the workplace, plant, machinery etc. on a regular base, to participate in consultations with inspectors and to attend meetings of the health and safety committee.

3.5.2.7.4 Health and safety committee

In terms of Sections 17, 18 and 19 of the Act the Contractor (as employer), shall establish one or more health and safety committee(s) where there are two or more health and safety representatives at a workplace. The persons selected by the Contractor to serve on the committee shall be designated in writing.

The function of the health and safety committee shall be to hold meetings at regular intervals, but at least once every three months, to review the health and safety measures on the contract, to discuss incidents related to health and safety with the Contractor's representative and any Department of Labour inspector, and to make recommendations regarding health and safety to the Contractor and to keep record of meetings, recommendations and reports made by the committee.

3.5.2.7.5 Competent persons

In accordance with the Construction Regulations the Contractor shall appoint, in writing, competent persons responsible for supervising construction work for the following work situations that may be expected on the site of the works, as applicable to the project.

- Risk assessment (Regulation 7);
- Fall protection (Regulation 8);
- Formwork and support work (Regulation 10);
- Excavation work (Regulation 11);
- Scaffolding work (Regulation 14);
- Suspended platform operations (Regulation 15);
- Material Hoists (Regulation 17);
- Batch plant operations (Regulation 18) if this required on site;
- Construction vehicle and mobile plant (Regulation 21(1));
- Use and temporary storage of flammable liquids on construction site (Regulation 23);
- Stacking and storage on construction sites (Regulation 26); and
- Fire precautions on construction sites (Regulation 27).

Such competent persons, who are not mentioned in the list above, but who become necessary during the course of the construction, should also be appointed in writing when it becomes necessary.

A competent person may be appointed for more than one part of the construction work with the understanding that the person must be suitably qualified and able to supervise at the same time the construction work on all the work situations for which he has been appointed. The appointment of competent persons to supervise parts of the construction work does not relieve the Contractor from any of his responsibilities to comply with all requirements of the Construction Regulations.

3.5.2.8 Project / Site Specific Requirements

A description of the works to be constructed can be found in Portion 1 of the Project Specifications, Clause PS4 Details of Contract.

3.5.2.8.1 List of Activities

A list of activities has been identified for the project and the construction site and for which Risk Assessments, Standard Working Procedures (SWP), management and control measures and Method Statements (where necessary) have to be developed by the Principal Contractor is provided below. This list is not to be considered as exhaustive and other items must be added as required. The list is based upon the client's estimation of the risks faced during construction and should be added to (or reduced) by the contractor as he deems necessary.

Main task	Sub task
Concrete work	Operation of small mixers
	Placing concrete with ready mix trucks/dumpers
	Placing concrete manually
	Finishing of concrete surfaces
Excavations and Earthworks	By manual labour
	By excavating equipment (compactors, excavators and tippers)
	Operations inside excavations/trenches
	In narrow trench
	Placing and compacting fill
	The sequence of opening and closing trenches and the protections around open trenches
	Dealing with the public/trespassers
Elevated working	Scaffolding and support work
	Ladders
	Risk of falling
Electrical	Temporary installations

Main task	Sub task
	Working near power lines
Fire	Use and placement of fire extinguishers
	Fire fighting
Shuttering and formwork	Off loading and handling/Erection and removal
	Storage
Miscellaneous	Site establishment
	Housekeeping and General storage
	Movement of equipment
	Use of personal transport
Hazardous materials	Fuels and Lubricants
	Cement and cement bags
Stormwater Pipe laying	Handling and fixing of pipes
	Transport and storage of pipes

In addition, the following health risks should be taken into account. It may become necessary to include others according to the requirements of the project.

3.5.2.8.2 Health Risks

- Health risks arising from neighbouring as well as own activities and from the environment e.g. threats by dogs, bees, snakes, lightning etc.
- Exposure to noise
- Exposure to vibration
- Protection against dehydration and heat exhaustion
- Protection from wet & cold conditions
- Exposure to hazardous substances and chemicals used on site.

3.5.2.8.3 Emergency Procedures

The Principal Contractor shall submit a detailed Emergency Procedure for approval by the Client prior to commencement on site. The procedure shall detail the response plan including the following key elements:

- List of key competent personnel;
- Details of emergency services;
- Actions or steps to be taken in the event of the specific types of emergencies;
- Information on hazardous material/situations.

Emergency procedure(s) shall include, but shall not be limited to, fire, spills, accidents to employees, use of hazardous substances, bomb threats, major incidents/accidents, etc. The Principal Contractor shall advise the Client, Agent, Engineer and all relevant authorities forthwith, of any emergencies, together with a record of action taken. This shall be confirmed in writing as soon as possible after the incident. A contact list of all service providers (Fire Department, Ambulance, Police, Medical and Hospital, etc) must be maintained and available to site personnel. These procedures shall form part of the Health and Safety Plan.

3.5.2.8.4 First Aid Boxes and First Aid Equipment

The Principal Contractor and all Contractors shall appoint in writing First Aider(s). If not already accredited, the appointed First Aider(s) are to be sent for accredited First Aid training. Valid certificates are to be kept on site. The Principal Contractor shall provide an on-site First Aid Station with first aid facilities, including first aid boxes containing, at least, the requirements of the Annexure to Section 3 of the General Safety Regulations. All Contractors with more than 5 employees shall supply their own first aid box. Contractors with more than 10 employees shall have a trained and certified First Aider on site at all times.

3.5.2.8.5 Personal Protective Equipment (PPE) and Clothing

The Principal Contractor shall ensure that all workers are issued with and shall wear hard hats, protective footwear and overalls as well as any other necessary PPE as set out in Section 2.3 of the General Safety Regulations. Contractors are encouraged to provide reflective vests for all their staff. The Principal Contractor and all Contractors shall make provision and keep adequate quantities of SABS approved PPE on site at all times. This shall include necessary safety gear for visitors. The Principal Contractor shall clearly outline procedures to be taken when PPE or Clothing is:

- Lost or stolen;
- Worn out or damaged; and
- Issued to temporary labour or staff.

The above procedure applies to Contractors and their Sub-contractors, as they are all Employers in their own right.

3.5.2.8.6 Occupational Health and Safety Signage

The Contractor shall provide adequate on-site OHS signage. This should include but is not limited to: "no unauthorized entry", "report to site office", "site office", "beware of overhead work". Signage shall be posted up at all entrances to site as well as on site in strategic locations e.g. access routes, entrances to structures and buildings, scaffolding, and other potential risk areas/operations. These signs shall be in accordance with the requirements of the General Safety Regulations as amended.

3.5.2.9 Health and Safety File

The Contractor shall in terms of Construction Regulation 5(7) maintain a Health and Safety File on site at all times. The Health and Safety File is a file or other permanent record containing information on aspects of the construction project - which will be necessary to ensure the health and safety of any person who may be affected by the construction work.

The Contractor shall appoint a suitably qualified person to prepare the Health and Safety File and to keep it up to date for the duration of the contract. The Health and Safety file shall include at least the following information:

- All Documents as required by the Act and Regulations
- All reports of inspections and audits
- All non-conformity reports
- All working drawings, calculations and design where applicable
- Detailed list of sub-contractors with contact details
- List of all hazardous materials used and stored on site with Data Sheets and Materials Hazard Data sheets
- All Hazard Identification and Risk Assessments carried out for the project.
- All Health and Safety Plans for the project.
- All method statements
- Minutes of all relevant meetings
- Incident records, including investigations and results
- Record of all appointments under the Regulations

The attached Annexure A is a list of the records to be kept on site. This is provided as a guideline to contractors and may not be complete.

The Health & Safety File shall be handed over to the Client on completion of the contract. It must contain all the documentation as set out above, or as instructed, as well as any handed to the Principle Contractor by any subcontractors together with a record of all drawings, designs, materials used and other similar information concerning the completed project.

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

3.5.2.10 Risk Assessment

Before commencement of any construction work during the construction period, the Contractor shall have a risk assessment performed and recorded in writing by a competent person. (Refer Regulation 7 of the Construction Regulations 2003).

Risk is a measure of the likelihood that the harm from a particular hazard will be realized, taking into account the possible severity of the harm. Harm to people includes death, injury (permanent or temporary), physical or mental health or any combination thereof. Risk management in health and safety includes the identification of hazards, assessing risks, taking action to eliminate or reduce the risk, monitoring the effectiveness and performing regular reviews of the entire process. The Contractor shall compile method statements to address or handle the following:

- Hazards particular to the contract
- Identify what could go wrong and how
- Identify the likelihood of this happening
- Identify the persons at risk
- Identify the extent of possible harm
- Eliminating or reducing this risk
- A monitoring plan
- A review plan

Contractors must ensure that all subcontractors conduct risk assessments for their scope of work as well.

The risk assessment shall identify and evaluate the risks and hazards that may be expected during the execution of the work under the contract, and it shall include a documented plan of safe work procedures to mitigate, reduce or control the risks and hazards identified.

The risk assessment shall be available on site for inspection by inspectors, Employer, Engineer, subcontractors, employees, trade unions and health and safety committee members, and must be monitored and reviewed periodically by the Contractor.

3.5.2.11 Arrangements For Monitoring And Review

The Client will conduct a Monthly Audit to audit compliance with Construction Regulation 4 (1) (d) to ensure that the Contractor has implemented and is maintaining the agreed and approved OH&S Plan.

The Client reserves the right to conduct other ad hoc audits and inspections as deemed necessary.

A representative of the Contractor must accompany the Client on all audits and inspections and may conduct his own audit/inspection at the same time. Each party will, however, take responsibility for the results of his own audit/inspection results.

3.5.2.12 Measurement And Payment

The following items are included in the Schedule of Quantities to ensure that the Contractor provides adequate occupational health and safety standards on site.

Item 1.6- Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations

The full amount will be paid in one installment only once:-

- (a) The Contractor has notified the Provincial Director of the Department of Labour in writing of the project.

- (b) The Contractor has made the required initial Appointments of Employees and Sub-Contractors.
- (c) The Client has approved the Contractor's Health and Safety Plan.
- (d) The Contractor has set up his Health and Safety File.

Item 1.7- Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations

The tendered lump sum shall represent full compensation for that part of the contractor's general obligations in terms of the Occupational Health and Safety Act and applicable regulations which are mainly a function of time. The sum will be paid monthly only after payment for Item 1.15A has been made.

Item 1.8- Provision of a part time / full time (delete as applicable) Construction Safety Officer

The tendered sum shall include for the cost of a construction safety officer on a full or part time basis (as the contractor deems necessary), his overheads, transport and all others items necessary for the proper carrying out of his duties. Contractor to indicate if his submission is for a part time or a full time construction Safety Officer.

Item 1.9- Submission of the Health and Safety File

Expenditure under this item shall be made in accordance with the general conditions of contract.

This amount will be paid only once the Contractor has met all his obligations in respect of the Occupational Health and Safety Act and the Construction Regulations and has submitted his Health and Safety File complete as envisaged on this specification to the Client's satisfaction. This must be done prior to the issue of a Certificate of Completion.

ANNEXURE A
RECORDS TO BE KEPT ON SITE

ITEM	CR	RECORD TO BE KEPT	RESPONSIBLE PERSON
2.	4(3)	Copy of Principal Contractor's Health & Safety Plan Available on request	Client (Consultant)
3.	5(6)	Copy of Principal Contractor's Health & Safety Plan As well as each Contractor's Health & Safety Plan Available on request	Principal Contractor
4.	5(7)	Health & Safety File opened and kept on site (including all documentation-required i.t.o. OHSA & Regulations Available on request	Contractor
5.	5(8)	Consolidated Health & Safety File handed to Client on completion of Construction work. To include all documentation required i.t.o. OHSA & Regulations and records of all drawings, designs, materials used and similar information on the structure.	Principal Contractor
6.	5(9)	Comprehensive and Updated List of all Contractors on site, the agreements between the parties and the work being done Included in Health & Safety file and available on request	Principal Contractor
7.	6(7)	Keep record on the Health & safety File of the input by Construction Safety Officer [CR 6 (6)] at design stage or on the Health & Safety Plan	Contractor
8.	7(2)	Risk Assessment Available on site for inspection	Contractor
9.	7(9)	Proof of Health & Safety Induction Training	Every Employee on site
10.	8(3)	Construction Supervisor [CR 6 (1)] has latest updated version of Fall Protection Plan [CR 8 (1)]	Contractor
11.	9(2)(b)	Inform Contractor in writing of dangers and hazards relating to construction work	Designer of Structure
12.	9(3)	All drawings pertaining to the design of structure On site available for inspection	Contractor
13.	9(4)	Record of inspection of the structure [First 2 years – once every 6 months, thereafter yearly]	Owner of Structure
14.	9(5)	Maintenance records – safety of structure Available on request	Owner of Structure
15.	10(1)(d)	Drawings pertaining to the design of formwork/support work structure Kept on site, available on request	Contractor
16.	11(3)(h)	Record of excavation inspection On site available on request	Contractor
17.	15(11)	Suspended Platform inspection and performance test records Kept on site available on request	Contractor
18.	17(8)(c)	Material Hoist daily inspection entered and signed in record book kept on the premises	Contractor
19.	17(8)(d)	Maintenance records for Material Hoist Available on site	Contractor
20.	18(9)	Records of Batch Plant maintenance and repairs On site available for inspection	Contractor
21.	19(2)(g)(ii)	Issuing and collection of cartridges and nails or studs (Explosive Powered Tools) recorded in register – recipient signed for receipt as well as return	Contractor
22.	21(1)(d)	Findings of daily inspections (prior to use) of Construction Vehicles and Mobile Plant	Contractor
23.	22(d)	Record of temporary electrical installation inspections [once a week] and electrical machinery [daily before use] in a register and kept on site	Contractor
24.		Copies of all appointments made in regard to safety supervisors and inspectors	

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

C3.6 ENVIRONMENTAL MANAGEMENT PLAN FOR THE CONSTRUCTION PHASE

3.6.1 Construction Phase Management Programme

The management criteria, objectives and actions are organized in this document according to generic groups of activities that are similar in nature. In reality, some of these may vary with different activities and environmental aspects.

3.6.1.1 Site Establishment and Method Statements

The Engineers Representative and Contractor shall discuss, and plan the site layout and establishment in detail, including the production of a sketch plan showing the construction site layout designed to avoid the impacts discussed further on. This plan must be approved by the Engineers Representative prior to construction commencing. Thereafter, the Contractor shall provide all method statements detailing the construction programme, methods and associated plant. These details must be approved before construction commences. Any changes to a proposed method that could have significant environmental consequences shall be agreed upon with the Engineers Representative first, before proceeding with the change.

The boundaries of each individual active construction areas are to be determined and pegged at the initial site meeting. Since portions of construction will occur in a populated rural area, it is important to ensure that the active construction areas are fenced/barrier taped to prevent unauthorized access to the construction site. Local residents must be informed of the proposed development and the potential dangers associated with the construction i.e. open excavations, wet cement, construction materials. Similarly, construction personnel are to be informed that encroachments into surrounding lands will carry severe penalties.

3.6.1.2 Transport of Materials, Equipment and Staff to Site

This section of the EMP covers the issues associated with the transport of construction material, equipment and staff to and from the site. The aim of this component of the EMP is to ensure that the transport activities associated with the project do not impact significantly on the environment and the surrounding residents.

- Access to the construction sites will be via existing roads. The contractor will monitor the condition of the road in the vicinity of the construction areas and should the road be damaged due to construction activities, the road will be repaired within two days of detection/complaint/notification.
- Equipment lay-down areas and material storage areas must be discussed and agreed to with the neighboring landowners and specified in the Site Establishment Plan for each individual construction site.
- Lay-down and material storage areas must be located away from the banks of rivers to avoid any contaminated stormwater runoff from entering the rivers. In addition, stormwater diversion berms or cut-off trenches must be constructed around the lay down areas.
- All potentially hazardous materials i.e. fuels, oils and chemicals, will be stored in an acceptable manner. In addition, all hazardous material storage areas will be bunded, with a minimum of sand bags.
- In the event of a spill of construction material, either hazardous or non-hazardous, the material must be contained in an area as small as possible. The spill material must then be removed and disposed of in a legally acceptable manner. In the event of hazardous material spillage and cleanup, a safe disposal certificate will be required. In the event of a spill the Engineer must be notified immediately. Drivers will reduce speed

and exercise caution due to pedestrians and other road users, especially in the vicinity of the construction site.

- The majority of the construction will take place adjacent to existing roads and, as such are utilized on a regular basis, throughout the day and night, by local residents. The contractor must ensure that the roads adjacent to construction areas are kept clear at all times and not blocked by construction vehicles or equipment. Should a road closure be required during the contract this must be discussed with the Department of Transport and the local community.

3.6.1.3 Excavation and Storage

This section of the EMP deals with the earthworks to be undertaken during the construction period. The aim of this component of the EMP is to ensure that the area of impact due to construction is minimized and all material excavated during construction is stockpiled in an appropriate manner.

- The area of disturbance for the laying of pipes should be limited to 3m. Where possible woody vegetation must be trimmed back instead of removed and the pipelines must be diverted around large trees. The area of disturbance for construction of the reservoir is to be limited to the minimum extent necessary.
 - The topsoil (top 30mm of the soil) must be excavated and stockpiled separately
 - The subsoil excavated and stockpiled adjacent to the trench.
- The stockpiles must be positioned away from the banks of rivers and streams to prevent soil-laden run-off from draining directly into the watercourses. Long-term stockpiles must be stabilized to at least a 1:4 slope that are not longer than 20m.
- Any blasting or jackhammer operation will be limited to times when air movement is minimal and site operating hours (at present no blasting is anticipated, however it may be necessary in areas with rocky substrates).
- The flow of water in any river must not be stopped during construction. Any activity requiring a temporary stoppage in the flow of water must be discussed in detail at the preliminary site meeting and a detailed method statement provided. Under normal construction conditions the water must be diverted around the construction site.
- Material that is excavated may either be used in final site rehabilitation or must be disposed at a suitable spoil area. The Contractor, in consultation with the Site Engineer, will identify a suitable spoil area.

3.6.1.4 Construction

This section of the EMP deals with the construction and associated activities on the site. The aim of this component of the EMP to manage all possible impacts that may arise during the construction of the trash trap.

- All activities for construction e.g. concrete production will be located away from river banks with cut-off trenches or stormwater diversion berms constructed to ensure that any contaminated run-off does not drain directly into rivers.
- Water required for construction activities may be obtained from the river, however no water for domestic use may be abstracted from the river due to the risk of cholera in the area.
- All waste i.e. construction and general, generated by activities on the site will be disposed of in a waste disposal area to be designated in the Site Establishment Plan. The area is to be equipped with suitable containers i.e. skips or bins, of sufficient

capacity. The contents of the skips/bins will be disposed of at a permitted waste disposal facility when they have reached capacity.

- No fires will be allowed on site. All cooking undertaken on the site must be done on gas equipment.
- The Contractor will provide temporary ablution facilities i.e. chemical toilets, for construction workers for the duration of the contract. These toilets must be located away from the river. Workers must be warned that severe penalties will be imposed if they do not utilize the facilities provided.
- The construction site is to be kept neat and tidy i.e. good housekeeping practices to be implemented.

3.6.1.5 Site Rehabilitation and Re-vegetation

This section of the EMP deals with the site rehabilitation and re-vegetation after construction is complete.

- On completion of construction, all unused material and waste must be removed from the site.
- All erosion protection and prevention measures must be implemented as per the design requirements.
- All excavated material not utilized during the rehabilitation process must be disposed of at an appropriate spoil site.
- Disturbed area where construction or related activities have occurred will be re-vegetated, where appropriate. These areas will be ripped and scarified before rehabilitation commences. The following grassing specification must be used during the re-vegetation of the site:
 - fertilizer
 - Standard 2:3:3 (N:P:K) fertilizer shall be used on the site
 - Rate of Application – 200kg/hectare
 - grass seed mix
 - Eragrostis tef (Teff) (5kg/ha)
 - Eragrostis curvula (Weeping lovegrass) (10kg/ha)
 - Chloris gayana (Rhodes grass) (10kg/ha)
 - Digitaria pruriens (Smuts fingergrass) (5kg/ha)
 - irrigation
 - 25mm of irrigation per day until 60% ground cover achieved
- The seeding method recommended for re-vegetation is hand broadcasting, due to the small area to be re-vegetated. No trees or shrubs will be replaced during the re-vegetation process.
- All alien invasive plant species in the vicinity of the site must be removed prior to reinstatement and re-vegetation of the site. This will assist in the establishment of the new vegetation.
- The progress of the re-vegetation must be monitored on a regular (monthly) basis until at least 85% cover is achieved with no areas in excess of 0.04m² remaining un-vegetated.

3.6.1.6 Working Hours

Portions of the construction site is located within populated rural areas, therefore all activities in the areas will be limited to between 07h00 and 17h00 during weekdays. Any work to be undertaken on weekends will be subject to the standard conditions a laid down in the contract document. These working hours will be strictly enforced and no loitering of Contractor's staff will be allowed after hours, except any security personnel appointed by the Contractor.

Due to the remote location of the site accommodation may be provided. The method for the hiring of labour, if required, will be confirmed during the facilitation process.

3.6.1.7 Complaints

A procedure for lodging of complaints must be established and this must be communicated to the surrounding residents.

- *Within 24 hours* the Contractor will report to the Project Manager the occurrence or detection of any incident at the site, or incidental to the operation of the site which has the potential to cause, or has caused water pollution of the environment, health risks or nuisance conditions or which is a contravention of the authorization conditions.
- *Within 7 working days* (or a shorter period of time) from the occurrence or detection of any incident, an action plan will be submitted, with a detailed time schedule giving measures taken to:
 - Correct the impacts of the incident;
 - Prevent the incident from causing any further impacts; and
 - Prevent a recurrence of a similar incident.

An incident report and complaints register is to be kept and made available to the site engineer.

3.6.1.8 Compliance with Environmental Specification

The contractor is deemed not to have complied with the Environmental Specifications if:

- Within the boundaries of the site, site extensions and access roads there is evidence of contravention of clauses;
- Environmental damage occurs due to negligence;
- The contractor fails to comply with corrective or other instructions issued by the Project Manager or Clerk of Works within a specified time period;
- The contractor fails to respond adequately to complaints from the public.

Application of a penalty clause will apply for incidents of non- compliance. The penalty imposed will be per incident. Unless otherwise stated in the project specification, the penalties imposed per incident or violation will be as follows:

Incident/ Violation	Penalty
Failure to stockpile material correctly	R 1 000
Pollution of water bodies	R 3 000
Failure to control stormwater runoff	R 1 500
Failure to provide adequate sanitation	R 3 000
Unauthorized removal / clearing of vegetation	R 10 000
Failure to provide adequate waste disposal facilities and services	R 5 000
Failure to reinstate disturbed areas within specified time period	R 3 000
Failure to rehabilitate disturbed areas within 3 months of completion	R 5 000
Any other contravention of the environmental specification	R 1 000



NQUTHU LOCAL MUNICIPALITY
DEPARTMENT OF TECHNICAL SERVICES

**CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL
IN WARD 4**

NQULM016/2023-2024

PART C4

SITE INFORMATION



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C4.1. SITE INFORMATION

C4.1.1. PHYSICAL CONDITIONS

The description of the works is in general terms and is not necessarily complete and shall not limit this Contract.

C4.1.2. GEOLOGY OF SITE

A geotechnical investigation of the site has been concluded and all pertinent geological characteristics are captured on the attached Geotechnical Report under C4.6.

C4.1.3. SOIL TEST RESULTS

Soil test results were not available at the time of preparation of this document. These will be incorporated into the final Geotechnical Report as soon as they become available.

C4.1.4. INFORMATION ON SERVICES

The works will be carried out where there are no existing services anticipated within the working area.

C4.1.5. INFORMATION ON BUILDINGS AND STRUCTURES

No existing building and structure will be impacted upon by the works.

C4.2. SITE AND ACCESS

The project is located in the KwaZulu Natal Province under the Nquthu Local Municipality in the village of Nhlabamkhosi in WARD 4. The project site is located within a radius of approximately 30 km from Nquthu Central Business District. The proposed site is on vacant land with electrical powerlines in close proximity to the site. The project coordinates are 28° 19' 34.80" S, 30° 54' 22.77" E.

C4.3. SITE FACILITIES AVAILABLE

C4.3.1. WATER

The Contractor shall make his own arrangements to obtain water.

C4.3.2. POWER

There is no power available on site. However, the extent of the site has electricity and the Contractor shall make his own arrangements to obtain power during construction. The contractor has to make arrangements with municipality to apply for the electrical connection to the facility.

C4.4 SITE FACILITIES REQUIRED

C4.4.1 OFFICES

A site office for the exclusive use of the Engineer is not required. However, an equipped office with a table, eight chairs and plan table must however be made available for the Engineer and his representative, in the event that this is required, normally for site meetings. One set of drawings must be kept on site at all times.

C4.4.2 TEMPORARY LATRINES

The Contractor shall provide adequate chemical toilet facilities for the use of the various workmen in accordance with the Regulations of the Department of Public Health and/or other authority and pay all charges in connection therewith; maintain same in a thoroughly clean and orderly condition; allow for moving the chemical toilets to new locations as necessary during the course of the Contract and finally remove such chemical toilets at completion and make good.

C4.4.3 PERSONNEL

One assistant must be made available to the Engineer, his Representative or the Clerk of Works, if so required.

C4.4.4 SURVEY INSTRUMENTS

Survey instruments including a Dumpy level, staff and 100m steel tape must be available to the Clerk of Works at all times.

C4.4.5 TELEPHONE / TELEFAX

The Contractor shall provide his own telephone and/or fax facilities.

C4.4.6 LABORATORY FACILITIES

Facilities for the testing of concrete test cubes and backfilling layers must be provided on site or alternatively through an approved commercial laboratory.

C4.5 FEATURES REQUIRING SPECIAL ATTENTION

C4.5.1 EXISTING SERVICES

The Contractor shall make his own arrangements to obtain services.

C4.5.2 SURVEYING

The Contractor must use the services of, or employ a competent engineering surveyor to set out the Works and to ensure that the specified tolerances are adhered to.

Payment for the setting out will be deemed inclusive in the rates and no additional payment will be made in that regard.

No beacons, reference pegs, corner pegs, etc. may be disturbed or removed without the prior consent of the Engineer.

C4.5.3 SOURCE OF MATERIALS

The Contractor will be responsible for locating of all materials complying with the relevant minimum requirements to be used in this contract. No separate payments shall be made for this, as all costs related thereto shall be deemed to be covered by the bid rates.

C4.5.4 ENVIRONMENTAL MANAGEMENT

The proposed project does not include any listed activities as shown in the correspondence under C4.7, however; the contractor must maintain the Environmental Management Plan attached during the construction period to ensure that the environmental impact of the activity is minimized and that all mitigating requirements are met.

No claims to maintain the Environmental Management Plan will be considered. Work required maintaining the Environmental Management Plan is considered to be included in the bid rates bid by the contractor.

C4.5.5 OCCUPATIONAL HEALTH AND SAFETY ACT

Separate allowance to be made in the Bid document for the Principal Contractor to comply with the Occupational Health and Safety Act (Construction Regulations).

The project Health and Safety Specifications is attached.

Provision therefore is to be made as specified. These items are to be included in the Bid to be submitted.

C4.5.6 USE OF LOCAL LABOUR

The funds for this project have been made available by The Municipal Infrastructure Grant Programme (MIG), the condition being that as much local labour is used where possible. For this project only the contract manager and key personnel shall be imported. All the other labour shall be from the local community. Special Conditions of Contract, which indicate the minimum requirements in terms of employment targets and reporting, must be fully complied with. The rates tendered by the contractor will be assumed to have specifically included for these terms.

The contractor will during the period allowed for site establishment directly after the introductory meeting with the community, set up a meeting with the Labour Desk, which meeting must be scheduled prior to the date of physical commencement of the works. The purpose of this meeting is to maximize the use of local labour force for any task on the project for which local expertise might be available.

To achieve this, the contractor shall at the introductory meeting, having completed his preliminary planning for the project, submit to the Chairman of the Labour Desk a list of possible people that could be utilized on the project.

At the first meeting following the introductory meeting referred to in the first paragraph, the Labour Desk will submit the names and details of labourers from the local community complying to the contractor's requirements. The contractor will during the period of site establishment and before the commencement of any physical work allow for three consecutive meetings with the Labour Desk and local people in order to interview candidates and to negotiate suitable rates. Each meeting must be minuted and an attendance register kept. The contractor must through this exercise prove that he has exhausted all means to maximize the use of local labour.

The engineer or facilitator or duly authorized representative from either the engineer or the facilitator might attend these meetings as an observer, but will not be involved in any recruitment, negotiations or sub-contract price negotiations whatsoever.

C4.5.7 COMMUNITY LIAISON OFFICER (CLO)

It may be required of the Contractor to appoint a Community Liaison Officer for the duration of the contract. This person will be a resident of the area and will be sourced in conjunction with and appointed with the approval of the local community structures, the Engineer and the Employer.

The function of the Community Liaison Officer will in brief be to keep residents and consumers fully informed of the extent, programme and duration of the contract at all times, as well as all planned interruptions to supply, whilst all complaints and enquiries by residents, consumers or the public at large are to be directly communicated to him for attendance by the Contractor. Payment will be effected as measured on a monthly basis.

C4.5.8 BID DRAWINGS

The drawings that form part of the Bid documents shall be used for Tender purposes only.

C4.5.9 "AS-BUILT" DRAWINGS

The Contractor shall provide the Engineer with "as-built" drawings at the end of the contract.

For this purpose, an additional set of drawings will be kept in the site office, for the exclusive use of keeping as-built information.

The completion certificate shall only be issued after the Engineer has received a properly completed set of "As-Built" drawings from the Contractor. No separate payment shall be made for this service, as all costs related thereto shall be deemed to be included in the related items.

C4.5.10 HOUSING FOR CONTRACTOR'S EMPLOYEES

No housing is available for the Contractor's employees, and the Contractor shall make his own arrangement for housing his employees and transporting them to and from the site. The Contractor is in all respects responsible for the housing and transporting of his employees and for the arrangement thereof, and no claim for extension of time due to any delays resulting from this, will be considered.

C4.5.11 RAIN GAUGE

An approved rain gauge properly fenced off shall be provided by the Contractor free of charge in order to enable him to claim for extensions of time.

C4.5.12 MINIMUM REPORTING

C4.5.12.1 Contractors Report

The Contractor is required to complete a Contractors Report, which is to be submitted together with the Contractors Payment Claims all as per the "Reporting Schedules" attached hereto. Payment of the contractor is conditional on the information being accurately and timeously provided.

C4.5.12.2 Attachments

Reporting Schedule 1 (Training Data)
Reporting Schedule 2 (Labour Monthly Summary Sheet)
Reporting Schedule 3 (Daily Site Attendance Register)
Reporting Schedule 4 (Payment Register)
Reporting Schedule 5 (Beneficiary List)

C4.6 GEOTECHNICAL INVESTIGATION REPORT

Draft Geotechnical Investigation Report Nhlabamkhosi Community Hall

For



By

ILZ Consulting (Pty) Ltd

Project No. ILZ_23_076


Geotechnical Investigation for m Community Hall

**Report
Version –Draft**

August 2023

iLZ_23_076

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1 INTRODUCTION

ILZ Consulting was appointed by Mr. Mkhize of Reflective Thinkings Consulting Engineers to undertake shallow geotechnical investigation for the proposed construction of Nhlabamkhosi Community Hall.

The objectives of the investigation were to complete an engineering geological investigation of the site giving: -

- The soil/rock profiles;
- The engineering properties of the near surface soils;
- Groundwater occurrence;
- NHBRC site classification;
- An assessment of the near surface soils, for their use in earthworks and layer works;
- Estimation of bearing capacity and recommendations for foundations,
- Comments on any perceived geotechnical problems which may affect on the proposed development.

This draft report presents the results of the shallow geotechnical investigation undertaken for the proposed Nhlabamkhosi Community Hall. Recommendations are given for:

- NHBRC site classification;
- Excavation classification; and
- Founding solution;

It must be noted that the recommendations and conclusions made in this report are based on field investigation and testing information obtained at specific investigation points.

The assessment of the overall geotechnical conditions for the proposed development has been inferred by professional judgement made from the interpolation and extrapolation of the point information gained from trial pits, and penetrometer tests, as well as visual assessments of surface features.

Although considered unlikely, should significant variations from the inferred conditions become apparent during construction, the advice of a geotechnical professional must be sought.

2 INFORMATION AVAILABLE

Information made available to or sourced by iLZ at the time of investigation comprised of the following: -

- Google earth image of the site.
- 1: 250 000 Scale, Geological Map
- 1:50 000 Scale, Topographical Map

3 SITE DESCRIPTION

3.1 Locality

The site for the proposed development has an extent of about 1.39 hectares. It is located about 30km north west of Babanango (see Figure below), in Hlabankosi Village, under Nquthu Local Municipality.

The site is located in an open piece of land between the homesteads. It has short grass cover.

The site is accessible via a gravel road which detours from R68 from Babanango to Nquthu.



Figure 3-1: Site locality map

3.2 Topography

Generally, the site is relatively flat. **Figure 3-1** shows topographical maps of the site extracted from **2831 AC Nquthu Topographic Maps** at scale of **1:50 000**, shows contour lines which are indicative of the topography of the site.

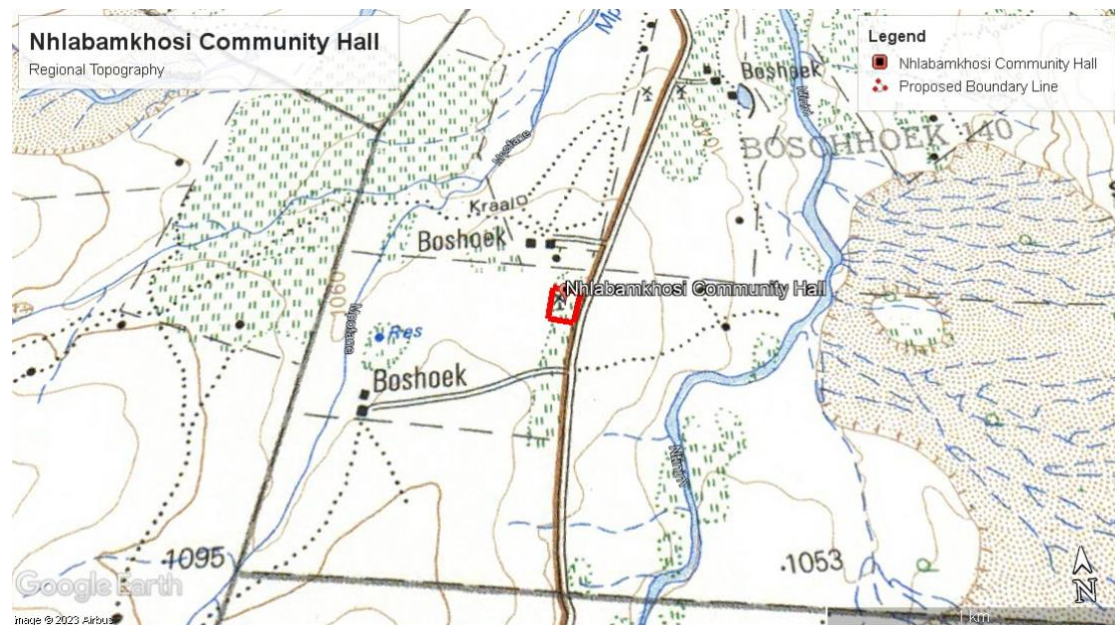


Figure 3-2: Topographical map of the site at 1:50 000

4 METHODOLOGY

Geotechnical site investigation was conducted on the 14th of August 2023 and comprised of the following: -

- Excavation and logging of trial pits
- Dynamic Probe Light (DPL) tests, and
- Material sampling for laboratory analysis.

Trial pits were excavated by hand, using pick and shovel to a final or refusal depth whichever came first. The trial pits were spread such that they are representative of the ground conditions on site.

The excavated subsoils were profiled immediately by an Engineering Geologist according to SANS 633:2012 guidelines. Each inspection pit was set out in the field using a hand-held Garmin eTrex GPS, and their positions are indicated on the site plan that appears in **Figure 4-1** below. After profiling, trial pits were loosely backfilled.

The profile descriptions are discussed under Geology and presented in **Appendix A** of this report.



Figure 4-1: Site layout map with test position pinned on Google Earth image

During field work, soil samples were taken from selected trial pits and submitted to a SANAS accredited soil testing laboratory for testing.

Penetrometer tests were conducted adjacent to each trial pits. In areas where the building will be situated, a Dynamic Probe Light (DPL) test with 12kg hammer was used to determine the soil consistency as well as to estimate the safe allowable bearing pressure of the soil (EASBP).

4.1 Trial pit

A total of 4 trial pits designated TP1 through to TP4 were excavated at selected locations across the site. They were extended to refusal depths of between 0.72 and 1.0m below existing ground level.

4.2 Dynamic Cone Penetrometer Tests

A total of 4 penetrometer tests were conducted, designated as DPL1 through to DPL4 were advanced to a depth of 2.1m below existing ground level. Refusal was encountered in DPL 1, DPL3 and DPL 4 at depths of between 0.3 and 0.9m below existing ground level.

4.3 Material Sampling

Representative disturbed samples were retrieved from the trial pits for laboratory testing. The following tests were conducted

- Hydrometer; and
- MOD-CBR

5 REGIONAL GEOLOGY

According to the 2830 Dundee, 1:250 000 Geological Series, the site is generally underlain by Granite (Zg) as shown in **Figure 5-1** below.

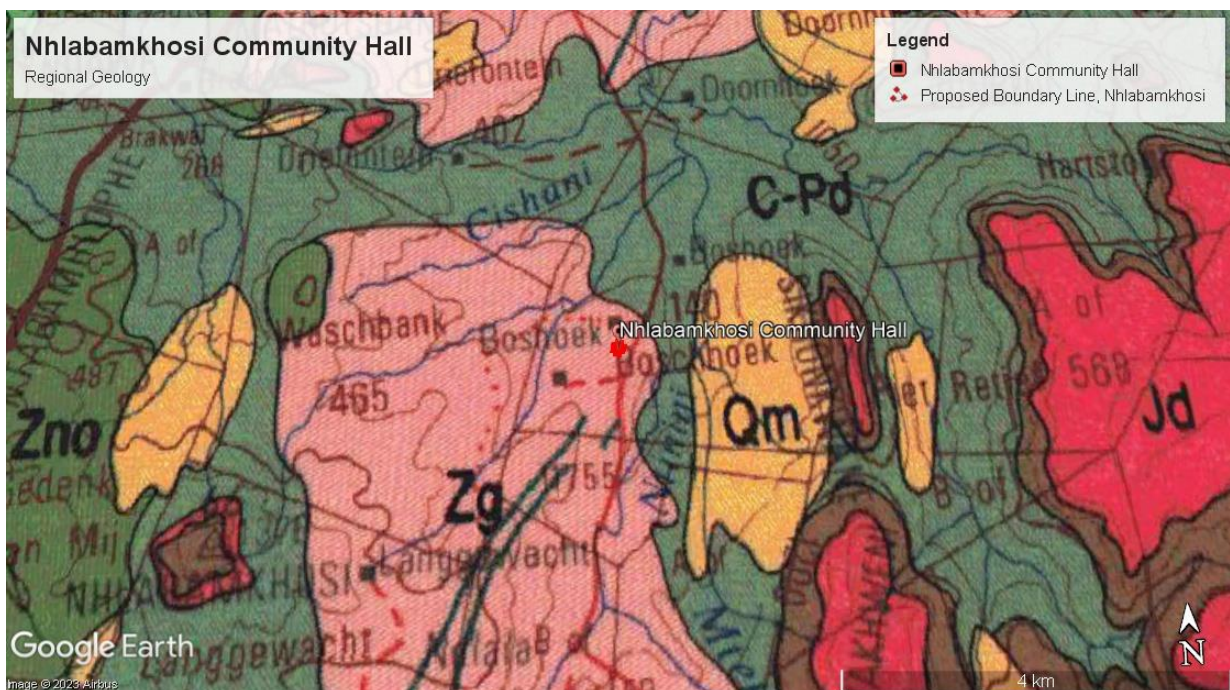


Figure 5-1: Regional geology extracted from 2830 Dundee

Field investigation showed a continuous mantle of transported soils in a form of alluvium which overlie residual granite. The residual granite was underlain by medium grained, soft to medium hard granite bedrock which was encountered at shallow depths. Each horizon is described in detailed on the soil profiles attached as **Appendix A**. Figure 5.2 below shows a typical soil profile on site.



Figure 5-2: Typical soil profile at Nhlabamkhosi Community Hall

6 GROUNDWATER OCCURRENCE

No groundwater seepage was encountered in any of the trial pits. However, during rainy season a marked increase in a perched groundwater is expected at soil/rock interface. Any cuttings that are taken below this horizon are likely to experience groundwater seepage problems during the wet summer season.

7 LABORATORY TEST RESULTS

To assess more accurately the engineering properties of the various materials encountered on site and their suitability for use for construction of road layers, the following materials classification tests were carried out on selected samples during the investigation:

- Atterberg Limit and Linear Shrinkage Determinations

- Mod AASHTO and California Bearing Ratio

The results of the laboratory tests were not yet available at the time of preparation of this draft report. The laboratory test results will be included in the report once received.

8 GEOTECHNICAL APPRAISAL

8.1 Proposed Development

The proposed development comprises of design and construction of Nhlabamkhosi Community Hall in Hlabamkhosi Village, Nquthu Local Municipality.

8.2 Site Stability

At the time of desktop and field investigation, there was no evidence of any instability of the site. Therefore, the site is considered suitable for the proposed development provided the recommendation of this report are adhered to.

8.3 Bearing Capacity

Dynamic Cone Penetration can assist in determining the estimated allowable safe bearing pressures (EASBP) of the soils. **Appendix B** shows that EASBP on the weathered granite can be anticipated to range between a minimum of 256kPa to a maximum of 491kPa.

8.4 NHBRC Classification

Based on the geology and the soil profiles encountered during investigation; the site class for Nhlabamkhosi Community Hall is R shown in **Table 8-1** below.

Table 8-1: NHBRC Site Classification after Watermeyer and Tromp (1992)

TYPICAL FOUNDING MATERIAL	CHARACTER OF FOUNDING MATERIAL	EXPECTED RANGE OF TOTAL SOIL MOVEMENTS (mm)	ASSUMED DIFFERENTIAL MOVEMENT (% OF TOTAL)	SITE CLASS
Rock (excluding mud rocks which may exhibit swelling to some depth)	STABLE	NEGLIGIBLE	-	R
Fine grained soils with moderate to very high plasticity (clays, silty clays, clayey silts and sandy clays)	EXPANSIVE SOILS	< 7,5 7,5 – 15 15 – 30 > 30	50% 50% 50% 50%	H H1 H2 H3
Silty sands, sands, sandy and gravely soils	COMPRESSIBLE AND POTENTIALLY COLLAPSABLE SOILS	<5 5-10 >10	75% 75% 75%	C C1 C2
Fine grained soils (clayey silts and clayey sands of low plasticity), sands, sandy and gravely soils	COMPRESSIBLE SOILS	<10 10-20 >20	50% 50% 50%	S S1 S2
Contaminated soils, Controlled fill, Dolomitic areas, Landslip, Landfill, Marshy areas Mine waste fill, mining subsidence Reclaimed areas, Uncontrolled fill, Very soft silts/silty clays	VARIABLE	VARIABLE		P

8.5 Foundations

Based on the prevailing site conditions, the penetrometer test results and shallow weathered bedrock, the proposed structure can be placed on weathered granite bedrock at depth greater than 0.7m using conventional strip or pad footings.

It is recommended that the foundations for all dwelling structures be designed by a competent structural engineer.

No foundations should be founded on fill unless the fill is engineered for this purpose.

If a building is located over the fill part of the platform, then the footings will need to be taken down through the fill and into the in-situ material where the above bearing pressure recommendation applies. To optimise shallow foundations, it is recommended that the buildings be positioned in areas of cut of building platforms as far as possible.

In addition to the above, the following good building practice is recommended to minimise heave and settlement beneath foundations: -

All buildings should have a concrete surround, minimum 1.2 metres, with falls away from the building to ensure drainage of stormwater away from the structure. This will prevent the ingress of water into the foundation soils.

- All roof water is to be collected via down pipes and discharged away and downslope of the building.
- No flower beds or vegetation to be planted within 3m of any structure.

8.6 Earthworks

No major earthworks are anticipated; therefore, it is recommended that all earthworks (if any) be carried out in accordance with SABS 1200 (latest version) to promote stable development of site.

8.7 Drainage

A most important factor in the promotion of a stable site is the control and removal of both surface and groundwater from the site. It is important that the design of the stormwater management system allow for the drainage of accumulated surface water. Such water should be directed towards the natural surface drainage lines. Disposal of stormwater should conform to the Local Authority's requirements.

Surface drainage of building platforms should be designed to direct water away from fill edges to prevent overtopping of the fill crest and erosion of the fill embankment slopes. It is important that grassing of fill embankments can be carried out as soon as possible after construction.

Although it is not anticipated that there will be a need for subsoil drains, this will have to be assessed on site during development. If groundwater seepage is encountered during construction, these zones will need to be controlled with subsoil drains, particularly where water is likely to gain ingress into the structural layers.

8.8 Excavatibility

Excavation conditions over much of the site should categorize as 'soft to hard mechanical excavation' to a depth of 1.0m according to SANS 1200D.

Table 8-2: SANS 1200D excavation class descriptions- restricted excavation

Excavation Class	Description
Soft	Excavation in material that can be efficiently removed by a back-acting excavator of flywheel power approximately 0.10 kW per millimetre of tined-bucket width, without the use of pneumatic tools such as paving breakers
Intermediate	Excavation in material that requires a back-acting excavator of flywheel power exceeding 0.10 kW per millimetre of tined-bucket width or the use of pneumatic tools before removal by equipment equivalent to that specified for soft excavation.
Hard	Hard rock excavation shall be excavation in material (excluding boulder excavation) that cannot be efficiently removed without blasting or wedging and splitting.
Boulder (excavation class A)	Excavation in material containing more than 40% by volume of boulders of size in the range of 0.03-20m ³ , in a matrix of soft or smaller boulders.

8.9 Subgrade Treatment for paved surfaces

No layer works were provided for the paved surfaces. However, as a general indication, subgrade treatment should comprise a simple rip and re-compact procedure. The surface should therefore be ripped to at least 300mm depth, wet and re-compacted to minimum 93% MDD where a CBR of 10 may be adopted for design.

The Civil Engineer may provide detailed layerworks for paved surfaces around the site.

9 CONCLUSION

This draft report contains the results of a geotechnical investigation carried out for the proposed development of Nhlabamkhosi Community Hall in Hlabamkhosi Village under Nquthu Local Municipality.

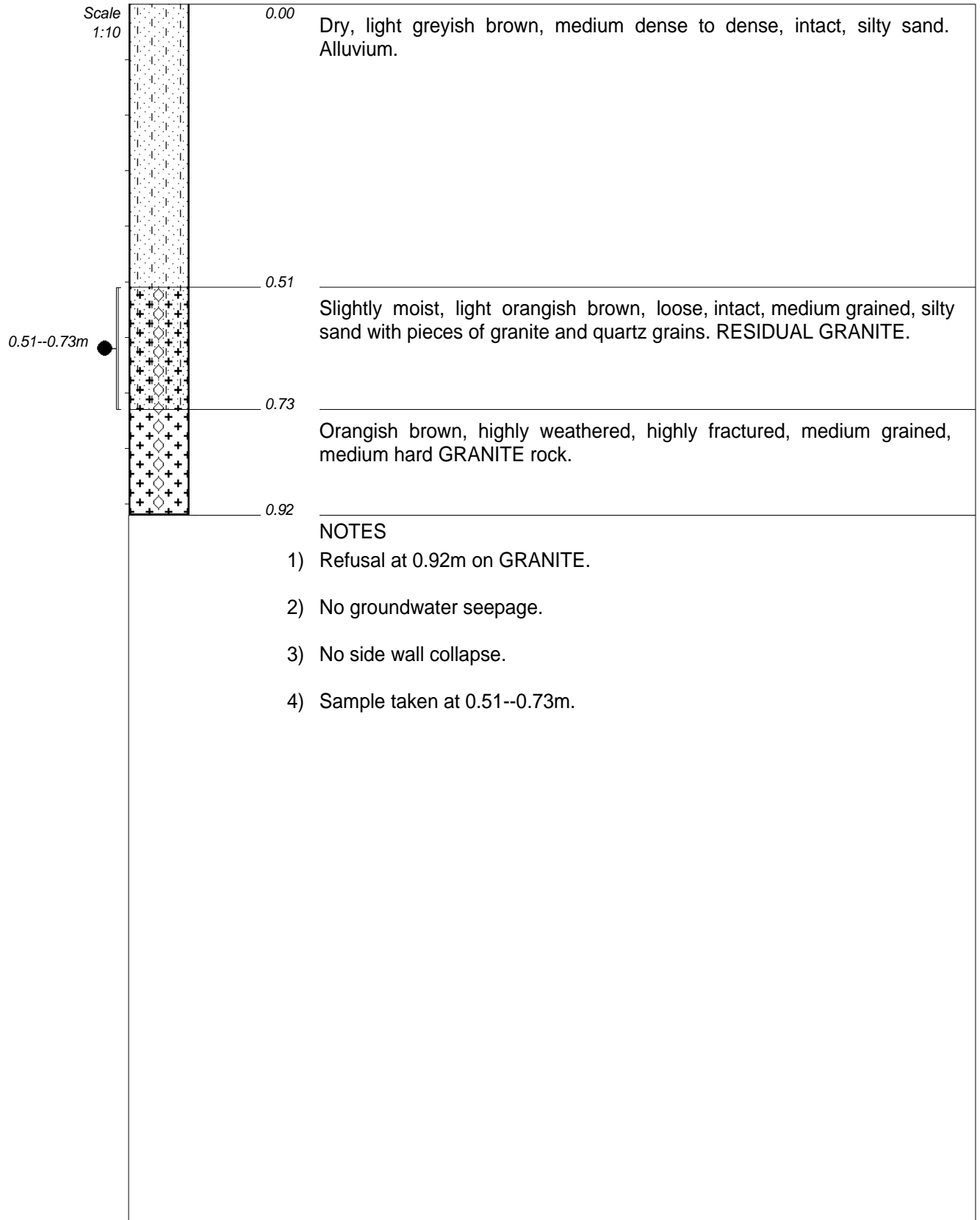
The site is considered suitable for the proposed development from a geotechnical perspective provided the recommendations given in this report are adhered to.

Finally, the ground conditions described in this draft report refer specifically to those encountered in the inspection pits and DPL test conducted on site. It is therefore quite possible that conditions at variance with those discussed above can be encountered elsewhere. It is advised that a competent person be called to advise on the way forward should conditions at variance be encountered.

10 REFERENCES

- SANS 633: Soil profiling and rotary percussion borehole logging on dolomite land in Southern Africa for engineering purposes, 2012.
- 1: 250 000 Scale Geological Map. Sheet 2830 Dundee. Published by South African Council for Geoscience.
- 1:50 000 Scale Topography Map. Sheet 2831 AC Jolivet. Published by Surveys
- Code of Practice _ the Safety of Persons Working in Small Diameter Shafts and Test Pits for Civil Engineering Purposes – Geotechnical Division of SAICE –2003.
- NHBRC 10400H (2012). The Application of the National Building Regulations – Part H: Foundations

APPENDIX A: GEOLOGICAL PROFILES

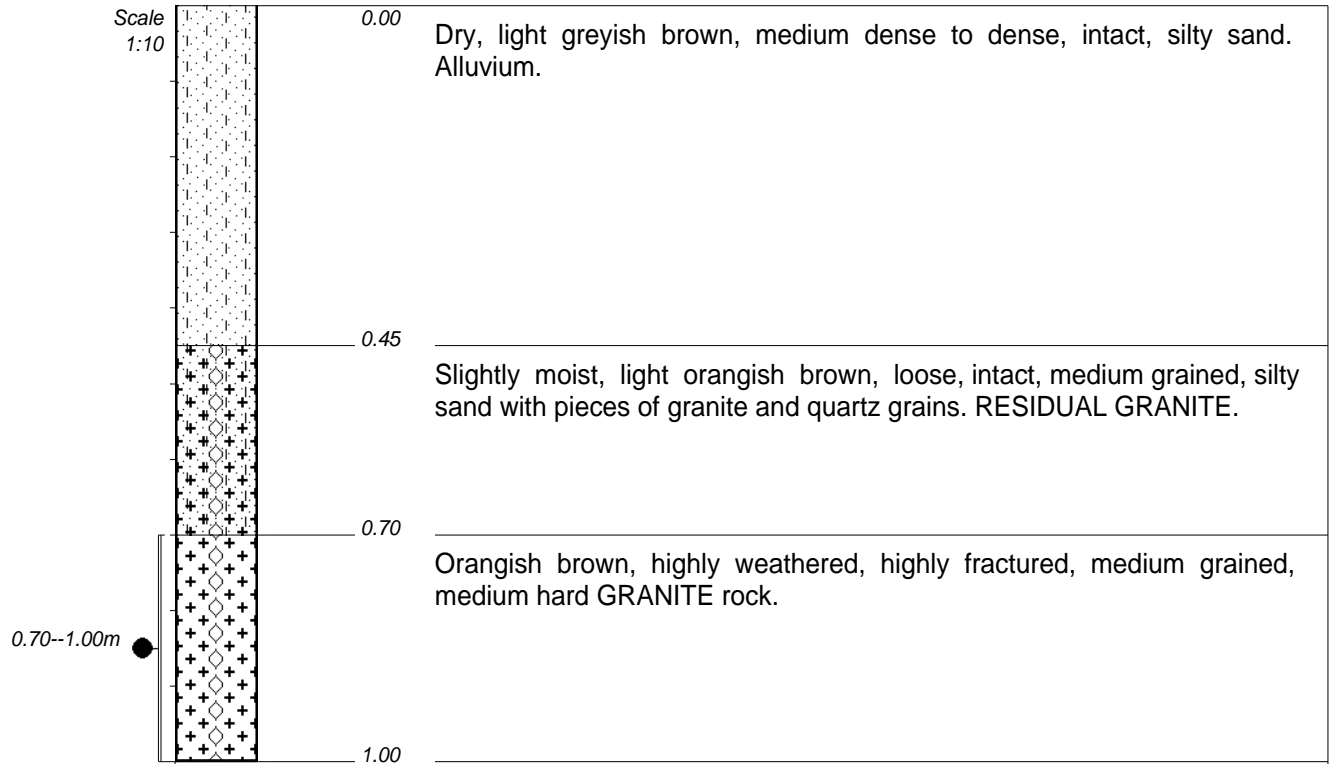


CONTRACTOR : -
MACHINE : Pick and shovel
DRILLED BY :
PROFILED BY : A Mdlalose
TYPE SET BY : A Mdlalose
SETUP FILE : STANDARD.SET

INCLINATION :
DIAM :
DATE :
DATE : 14 August 2023
DATE : 15/08/2023 22:46
TEXT : ..amkhosiCommunityHall.txt

ELEVATION :
X-COORD : 30.90686°E
Y-COORD : -28.32710°S

HOLE No: TP1



NOTES

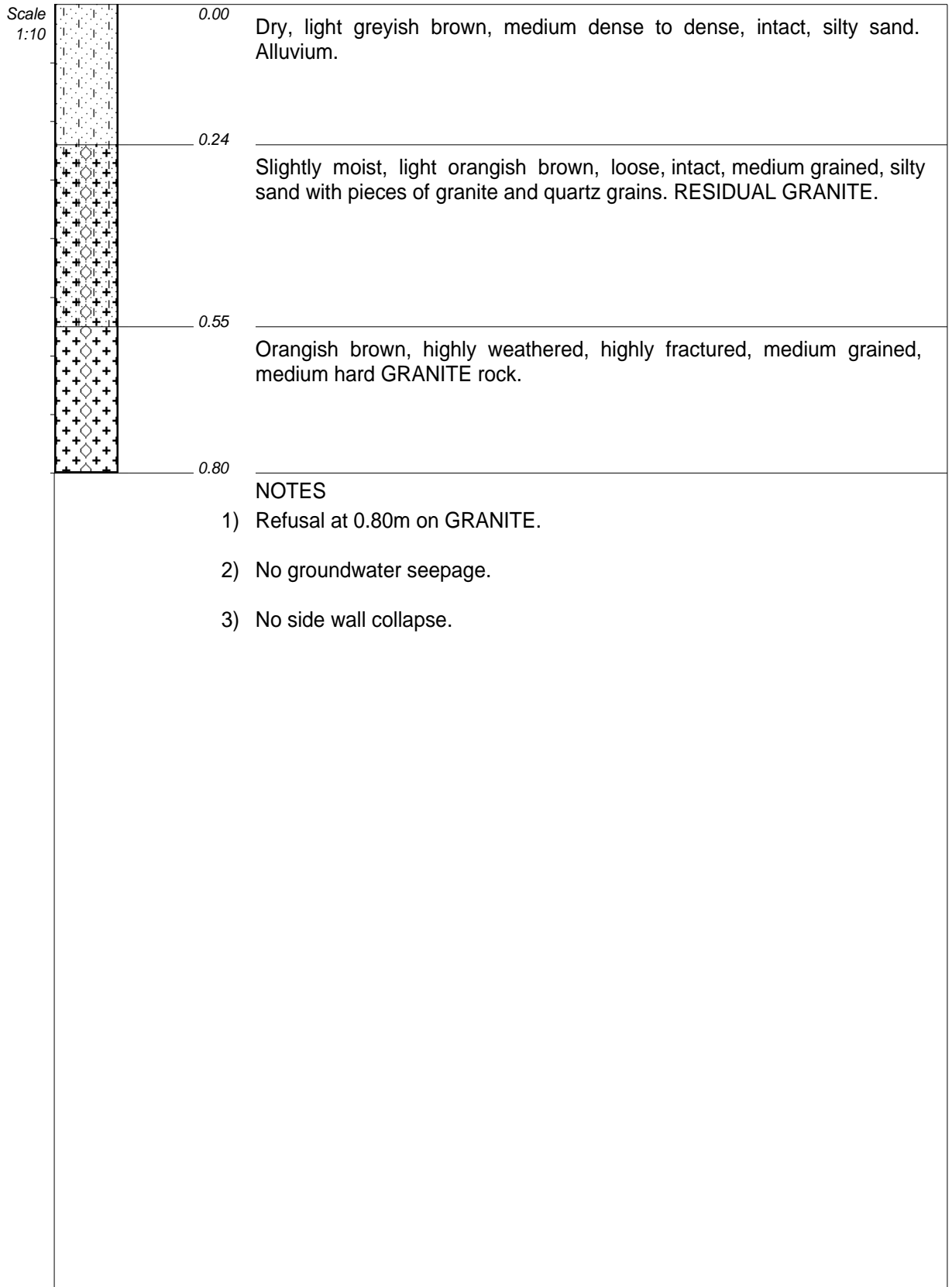
- 1) Refusal at 1.00m on GRANITE.
- 2) No groundwater seepage.
- 3) No side wall collapse.
- 4) Sample taken at 0.70--1.00m.

CONTRACTOR : -
MACHINE : Pick and shovel
DRILLED BY :
PROFILED BY : A Mdlalose
TYPE SET BY : A Mdlalose
SETUP FILE : STANDARD.SET

INCLINATION :
DIAM :
DATE :
DATE : 14 August 2023
DATE : 15/08/2023 22:46
TEXT : ..amkhosiCommunityHall.txt

ELEVATION :
X-COORD : 30.90634°E
Y-COORD : -28.32672°S

HOLE No: TP2

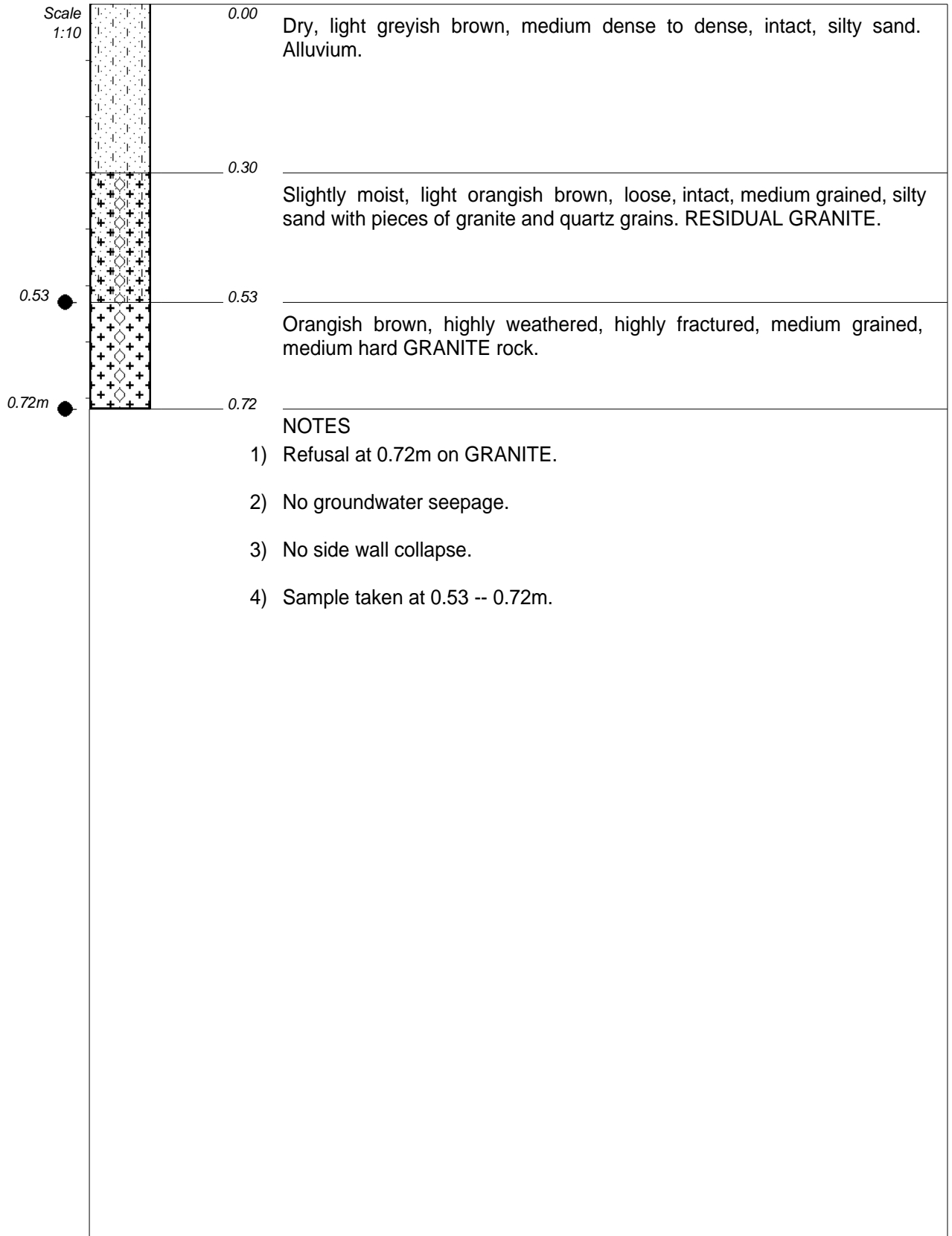


CONTRACTOR : -
 MACHINE : Pick and shovel
 DRILLED BY :
 PROFILED BY : A Mdlalose
 TYPE SET BY : A Mdlalose
 SETUP FILE : STANDARD.SET

INCLINATION :
 DIAM :
 DATE :
 DATE : 14 August 2023
 DATE : 15/08/2023 22:46
 TEXT : ..amkhosiCommunityHall.txt

ELEVATION :
 X-COORD : 30.90703°E
 Y-COORD : -28.32631°S

HOLE No: TP3







CONTRACTOR : -
MACHINE : Pick and shovel
DRILLED BY :
PROFILED BY : A Mdlalose
TYPE SET BY : A Mdlalose
SETUP FILE : STANDARD.SET

INCLINATION :
DIAM :
DATE :
DATE : 14 August 2023
DATE : 15/08/2023 22:46
TEXT : ..amkhosiCommunityHall.txt

ELEVATION :
X-COORD : 30.90638°E
Y-COORD : -28.32602°S

HOLE No: TP4

Name ●

	SAND	{SA04}
	SILTY	{SA07}
	GRANITE	{SA17}{SA44}
	DISTURBED SAMPLE	{SA38}

CONTRACTOR :
 MACHINE :
 DRILLED BY :
 PROFILED BY :

TYPE SET BY : A Mdialose
 SETUP FILE : STANDARD.SET

INCLINATION :
 DIAM :
 DATE :
 DATE :

DATE : 15/08/2023 22:46
 TEXT : ..amkhosiCommunityHall.txt

ELEVATION :
 X-COORD :
 Y-COORD :

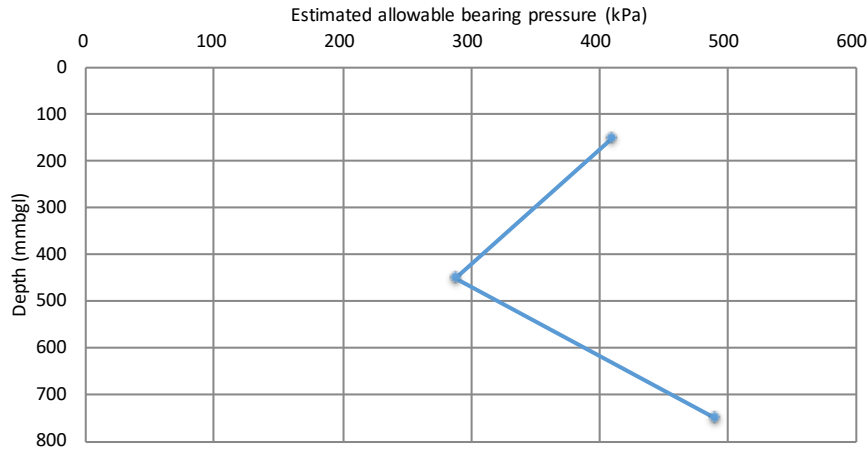
LEGEND
 SUMMARY OF SYMBOLS

APPENDIX B: IN SITU PENETROMETER TEST RESULTS

ANALYSES OF DPL TEST RESULTS

Project Name Nhlabamkhosi Community Hall
Date 14/08/2023
DPL No. 1
Note on refusal DPL bouncing with no penetration
 Depth of hole in which DCP was taken : 0 mm below NGL
 Applied Factor : 1 times Terzaghi's value

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 GEOTECHNICAL & GEOHYDROLOGICAL CONSULTANTS



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
75-100	132-210	Very Dense
30-75	78-132	Dense
10-30	25-78	Med Dense
4-10	10 25	Loose
<4	<10	Very Loose

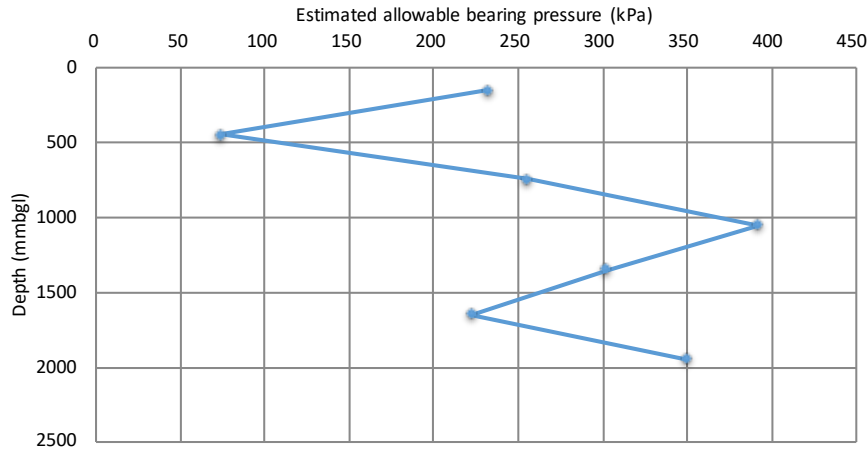
NOTE :
 Stated consistencies
 do not apply to
 cohesive materials.
 Describe using "stiff
 or firm or soft".

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	83	150	4	32	86	411
2	300	600	450	57	450	5	22	53	289
3	600	900	750	100	750	3	38	110	491

ANALYSES OF DPL TEST RESULTS

Project Name Nhlabamkhosi Community Hall
Date 14/08/2023
DPL No. 2
Note on refusal DPL bouncing with no penetration
Depth of hole in which DCP was taken : 0 mm below NGL
Applied Factor : 1 times Terzaghi's value

ilZ CONSULTING
 Ilanga Lezintaba Zolwandle Consulting
 GEOTECHNICAL & GEOHYDROLOGICAL CONSULTANTS



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
75-100	132-210	Very Dense
30-75	78-132	Dense
10-30	25-78	Med Dense
4-10	10 25	Loose
<4	<10	Very Loose

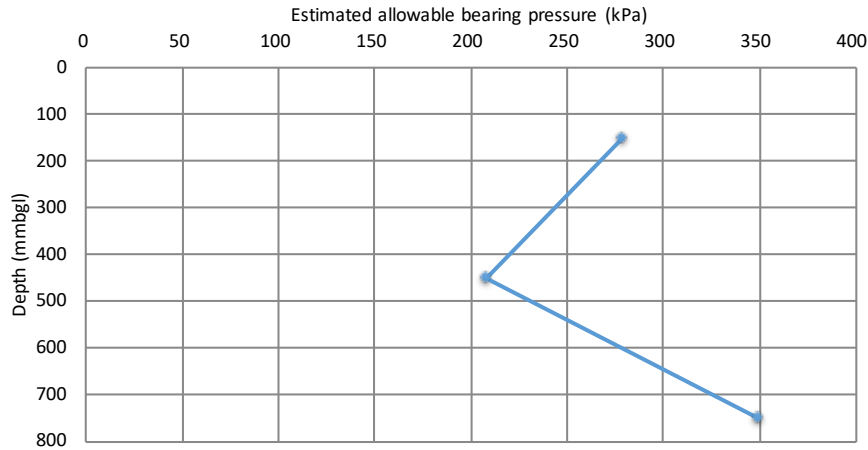
NOTE :
 Stated consistencies
 do not apply to
 cohesive materials.
 Describe using "stiff
 or firm or soft".

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	45	150	7	17	39	232
2	300	600	450	15	450	20	6	9	74
3	600	900	750	50	750	6	19	44	256
4	900	1200	1050	79	1050	4	30	81	392
5	1200	1500	1350	60	1350	5	23	56	303
6	1500	1800	1650	43	1650	7	16	36	223
7	1800	2100	1950	70	1950	4	27	69	350

ANALYSES OF DPL TEST RESULTS

Project Name Nhlabamkhosi Community Hall
Date 14/08/2023
DPL No. 3
Note on refusal DPL bouncing with no penetration
Depth of hole in which DCP was taken : 0 mm below NGL
Applied Factor : 1 times Terzaghi's value

iLZ CONSULTING
 Ilanga Lezintaba Zolwandle Consulting
 GEOTECHNICAL & GEOHYDROLOGICAL CONSULTANTS



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
75-100	132-210	Very Dense
30-75	78-132	Dense
10-30	25-78	Med Dense
4-10	10 25	Loose
<4	<10	Very Loose

NOTE :
 Stated consistencies
 do not apply to
 cohesive materials.
 Describe using "stiff
 or firm or soft".

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL penetration mm	DCP mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	55	150	5	21	50	279
2	300	600	450	40	450	8	15	33	208
3	600	900	750	70	750	4	27	69	350

ANALYSES OF DPL TEST RESULTS

Project Name Nhlabamkhosi Community Hall

Date 14/08/2023

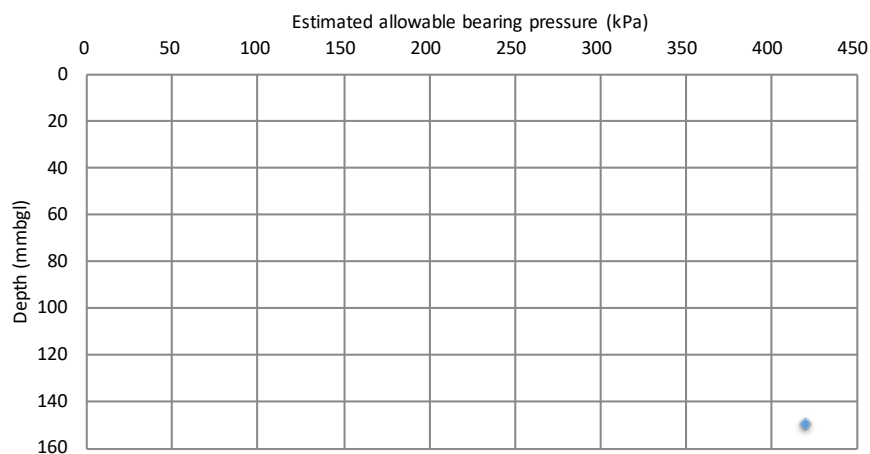
DPL No. 4

Note on refusal DPL bouncing with no penetration

Depth of hole in which DCP was taken : 0 mm below NGL

Applied Factor : 1 times Terzaghi's value

ILZ CONSULTING
Ilanga Lezintaba Zolwandle Consulting
GEOTECHNICAL & GEOHYDROLOGICAL CONSULTANTS



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
75-100	132-210	Very Dense
30-75	78-132	Dense
10-30	25-78	Med Dense
4-10	10 25	Loose
<4	<10	Very Loose

NOTE :
Stated consistencies
do not apply to
cohesive materials.
Describe using "stiff
or firm or soft".

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	85	150	4	32	89	421

C4.7 ENVIRONMENTAL APPROVAL



KWAZULU-NATAL PROVINCE

ECONOMIC DEVELOPMENT, TOURISM
AND ENVIRONMENTAL AFFAIRS
REPUBLIC OF SOUTH AFRICA

DIRECTORATE: ENVIRONMENTAL SERVICES

P O Box 125, DUNDEE, 3000
Talana Building, Block 2, 26 Beaconsfield Street, Dundee, 3000
Tel: 081 771 0502 Fax: 034 299 7904
Reference: DC24/ENQ/2023/41

Environmental Services

Enquiries: Lungile Langa
Date: 02 August 2023

Attention: Mthobisi Nkala

Nquthu Local Municipality

83 Mdlalose Street

NQUTHU

3135

Dear Sir

**EIA/unlisted activity: NHLABAMKHOSI COMMUNITY HALL WITHIN NQUTHU LOCAL MUNICIPALITY,
UMZINYATHI DISTRICT MUNICIPALITY**

1. Your EIA enquiry form dated 24/07/2023 regarding the abovementioned has reference.
2. This Department has studied the information provided in your correspondence and is of the opinion that the proposed Nhlabamkhosi Community Hall by Nquthu Local Municipality does not constitute an activity which is identified in terms of sections 24(2) and 24D of the National Environmental Management Act (Act 107 of 1998) (NEMA) and therefore does not require environmental authorization.
3. The proposed Nhlabamkhosi Community Hall will be located at INGONYAMA, Farm/Erf No.17134.
4. Please be advised that it is the developer's responsibility to continually ensure that environmental requirements are met, especially if there are changes in the project description.
5. Although no environmental authorization is required, the applicant is responsible for ensuring appropriate environmental management on site in terms of Section 28 of NEMA.

Yours faithfully

for: **Mr. N. Nkontwana**

Head of Department: KZN Department of Economic Development, Tourism and Environmental Affairs

Date: 02 August 2023

Signed by: Mr Gerald Willis-Smith

Designation: Control Environmental Officer- Grade A

EAPASA Reg No: 2021/3770

NQUTHU LOCAL MUNICIPALITY
DEPARTMENT OF TECHNICAL SERVICES

CONSTRUCTION OF NHLABAMKHOSI COMMUNITY HALL IN WARD 4

NQULM016/2023-2024

PART C5

TENDER DRAWINGS

Contractor

Witness 1

Witness 2

Employer

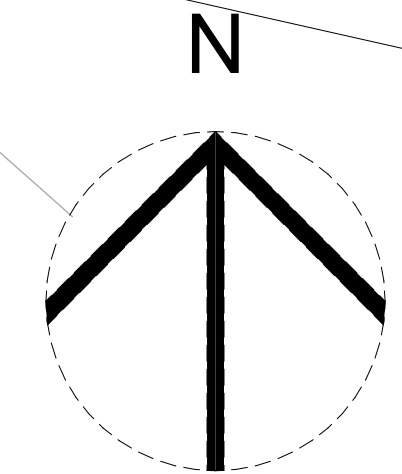
Witness 1


Witness 2



SITE DEVELOPMENT PLAN

SCAL 1:200





CLIENT

NQUTHU LOCAL MUNICIPALITY


FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



REFLECTIVE

Reflective Thinkings (Pty) Ltd

66 Wren way
Yellowwood Park
Durban
4004

Tel No.: 031 462 6358
Fax No.: 031 462 7915

DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1

PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	
APPROVAL - CONSULTANT		
NAME	MD SHANGASE	SIGNATURE
DATE	10 AUG 2023	PROFESSIONAL REG NO. PSAT 2479103
SCALE	AS SHOWN	SHEET SIZE
Drawing No.	Sheet	Rev.

CONSTRUCTION INFORMATION

MAINLAYER	
START DATE	
FINISH DATE	
WHO NUMBER	
LEVEL OF SERVICE	
SUPERVISOR NAME	
CONTACT NUMBER	
DATE SENT TO GIS	
GIS INFORMATION	
DATE RECEIVED	
NAME	

Rev. No.	Date	Description	Drawn

NOTE: No construction work to commence until land and servitude acquisitions have been completed.

Acquisitions completed:

On: _____ Engineer: _____

UNDERGROUND SERVICES CHECKED -

SERVICE	DATE	SIGNATURE
S.W DRAINS		
SEWERS		
WATERMANS		
TELKOM CABLES		
ELECTRIC CABLES		
S.A.R CABLES		
E.S.C CABLES		
OIL PIPE LINE		

NOTE: Only underground services affected by new construction are shown. Care must be taken during excavations for road foundations, trenches etc., to avoid damage to underground services such as sewers, drains, cables, water mains and connections. Wherever possible these must be located before work begins.

Contract No.

Project No. **RT 19.02**

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

Project Title

**CONSTRUCTION OF NEW
NHLAMBAMKHOSI
COMMUNITY HALL**

Drawing Title

SITE DEVELOPMENT PLAN

Drawing No.	Sheet	Rev.
NMCH-ARCH-000	0 of 12	0

CONCRETE (PLAIN & REINFORCED)

GENERAL

- ALL CONCRETE TO BE CONSTRUCTED IN ACCORDANCE WITH S.A.B.S. 1200 A, H & G.
- CONCRETE STRENGTHS AS FOLLOWS:

COLUMNS	CLASS 30/19	30MPa AT 28 DAYS
FOOTINGS	CLASS 25/19	25MPa AT 28 DAYS
STRUCTURAL SLABS/BEAMS	CLASS 30/19	30MPa AT 28 DAYS
SURFACE BED SLABS	CLASS 30/19	30MPa AT 28 DAYS
MASS CONCRETE	CLASS 15/38	15MPa AT 28 DAYS
BLINDING	CLASS 15/19	15MPa AT 28 DAYS
STAIRS	CLASS 25/19	25MPa AT 28 DAYS
- 50mm BLINDING TO ALL COLUMN FOUNDATIONS ONLY.

SUSPENDED SLABS, BEAMS AND COLUMNS

- ALL CONSTRUCTION JOINTS TO BE APPROVED BY THE ENGINEER.
- SLABS AND BEAMS TO REMAIN PROPPED FOR PERIODS STRICTLY IN ACCORDANCE WITH S.A.B.S. 1200 G CLAUSE 5.2.5.
- NO KICKERS TO COLUMNS PERMITTED.

REINFORCEMENT

- REINFORCING SHALL COMPLY WITH SANS 920 AND BENDING TO S.A.N.S. 82.
- HIGH YIELD REINFORCEMENT TO BE DEFORMED BARS TYPE 2 MINIMUM YIELD STRENGTH=460 N/mm²
- MIN. COVER TO REINFORCEMENT AS FOLLOWS:

FOUNDATIONS 75mm TO BOTTOM
50mm TO SIDES AND TOP.
SLABS AND BEAMS: 30mm OR Ø OF BAR WHICHEVER IS THE GREATER.
COLUMNS: 30mm COVER TO STIRRUPS.
- REINFORCEMENT SHALL BE INSPECTED BY THE ENGINEER ONLY AFTER IT HAS BEEN COMPLETELY FIXED IN POSITION. FORMWORK IS CLEAN AND SPACERS ARE PLACED IN POSITION.
- WELDING OF REINFORCEMENT IS NOT ALLOWED UNLESS IT HAS BEEN APPROVED BY THE ENGINEER IN WRITING.

FOUNDATIONS

- ALL CONCRETE TO BE CONSTRUCTED IN ACCORDANCE WITH S.A.B.S. 1200 A, H & G.
- CONCRETE GRADE 25/19
- 50mm BLINDING TO ALL COLUMN FOUNDATIONS ONLY
- ANT-PROOFING TO BE APPLIED TO BOTTOM AND SIDES OF ALL EXCAVATIONS ACCORDING TO MANUFACTURERS SPECIFICATIONS.
- EXCAVATIONS TO BE SOAKED WITH WATER OVER-NIGHT BEFORE POURING OF CONCRETE.
- ALL BRICKWORK TO BE CENTRALLY DISPOSED ABOUT CENTRE OF FOUNDATION (U.O.N.)
- ENGINEER TO APPROVE EXCAVATIONS BEFORE ANY POURING OF CONCRETE COMMENCES.

SURFACE BEDS

- ALL CONCRETE TO BE CONSTRUCTED IN ACCORDANCE S.A.B.S. 1200 A, H & G.
- CONCRETE GRADE 30/19.
- ANT-PROOFING TO BE APPLIED TO UNDERSIDE OF SURFACE BED ACCORDING TO MANUFACTURERS SPECIFICATIONS.
- 1 LAYER 250 micron USB GREEN PLASTIC SHEETING TO UNDERSIDE OF SURFACE BED (TYPICAL)
- CONSTRUCTION JOINTS TO BE FORMED STRICTLY IN ACCORDANCE WITH DRAWINGS. PANELS TO BE CAST IN "CHEQUER BOARD PATTERN" PANELS NOT TO EXCEED 20.0m².
- TOLERANCE OF FLATNESS AND DEVIATION OF LEVEL OF SURFACE TO BE AS GIVEN IN S.A.N.S. 1200 G CLAUSE 6.2.3.(b) DEGREE OF ACCURACY II
- CONTRACTOR TO USE APPROVED METHODS FOR THE CURING OF THE CONCRETE (MIN. 7 DAYS)

BRICKWORK

- MATERIALS, COMPONENTS AND WORKMANSHIP TO BE IN ACCORDANCE WITH S.A.N.S. 0164 PART 1 1980.
- BRICKS TO ARCHITECTS SPECIFICATION WITH MINIMUM STRENGTH OF 25MPa.
- MORTAR CLASS 2 IN ACCORDANCE WITH S.A.N.S. 0164 PART 1 1980.
- BRICKFORCE TO BE PROVIDED EVERY COURSE UP TO FINISHED FLOOR LEVEL, EVERY FOURTH COURSE THEREAFTER AND AT LEAST FOR 4 COURSES ABOVE LINTOL LEVELS TO DOOR & WINDOW OPENINGS.
BRICKFORCE:
MINIMUM DIAMETER OF BRICKFORCE = 2,8mm.
YIELD STRENGTH = 485 MPa.
LAP LENGTH = 400mm.
- D.P.C. (DAMP PROOF COURSE) MUST BE PLACED BETWEEN WET MORTAR JOINT AND HAVE ADEQUATE MORTAR ADHESION CHARACTERISTICS.
- D.P.C. LAPPED MIN. 150mm AND SEALED.
- ALL BRICKWORK TO BE SET-OUT ACCORDING TO ARCHITECTS DRAWINGS. FOOTINGS TO BE CENTRALLY DISPOSED ABOUT BRICKWORK (U.O.N.).
- PLACE 10mm SOFTBOARD ON TOP OF ALL NON-LOAD BEARING BRICKWALLS (ALL 110mm THICK WALLS).
- ALL NON-LOAD BEARING WALLS MAY BE PLACED DIRECTLY ON THE SURFACE BED UNLESS OTHERWISE NOTED OR SHOWN.
- ALL SLABS ON LOADBEARING BRICKWORK TO BE PLACED ON "KILCHER" LIMITLUSS BEARINGS TYPE "3LG-250" AVAILABLE FROM "FREYSSINET S.A PTY) LTD
TEL No: (011) 316-2174/0
FAX No (011) 316-2918

STRUCTURAL STEELWORK

NOTE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE UNTIL ALL ELEMENTS HAVE BEEN ERECTED AND FIXED IN POSITION.

- ALL STEEL TO BE GRADE 350W.
- ALL WELDS TO BE 6mm CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
- ALL COLD ROLLED STEEL TO HAVE A MINIMUM YIELD STRENGTH OF 200MPa.
- ALL GUSSET PLATES TO BE 8mm THICK (U.O.N.)
- ALL CONNECTIONS TO HAVE MIN. 2 BOLTS SIZE AS SPECIFIED ON THE DRAWINGS.
- ALL WELDING TO BE STRICTLY IN ACCORDANCE WITH SANS 044.
- ALL STEELWORK TO HAVE 1 COAT SHOP-PRIMER PRIMER TO BE TOUCHED-UP AFTER ERECTION.
- ENAMEL PAINT TO ARCHITECTS SPECIFICATIONS AND COLOUR.
- FABRICATION DRAWINGS TO BE APPROVED BY THE ENGINEER PRIOR TO ANY CONSTRUCTION.
- ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE PRIOR TO ANY STEELWORK CONSTRUCTION.
- TRUSSES TO BE SET-OUT ON CENTRE OF GRAVITY LINES OF MEMBERS.
- DIMENSIONS SHOWN ON DRAWINGS ARE OVERALL (O/A) DIMENSIONS OF STEELWORK.
- ALL TOP CHORD BRACINGS TO BE BOLTED TO THE TOP FLANGE USING 2xM20 GRADE 8.8 BOLTS.
- ON NO ACCOUNT, ARE FIXINGS FOR SERVICES, SUSPENDED CEILINGS AND THE LIKE, TO BE MADE FROM THE TOE OF COLD FORMED LIP CHANNEL PURLINS
FIXINGS ARE TO BE APPROVED BY THE ENGINEER BEFORE WORK COMMENCES ON SITE



MONTANA TRAVERTINE (FBS)

Or Similar approved To Match Existing Block



ROAN SATIN (FBX)

Or Similar approved To Match Existing Block



GOLDEN WHEAT TRAVERTINE (FBX)

Or Similar approved To Match Existing Block



GOLDEN WHEAT TRAVERTINE (FBX)

Or Similar approved To Match Existing Block

SANITARY DRAINAGE INSTALLATION

THE STANDARDIZED SPECIFICATIONS FOR CIVIL ENGINEERING CONSTRUCTION OF THE SOUTH AFRICAN BUREAU OF STANDARDS SHALL APPLY THROUGHOUT IN RESPECT OF THIS CONTRACT.

PROJECT SPECIFICATION

- APPLICABLE STANDARDIZED SPECIFICATION SABS 1200 DB EARTHWORKS (PIPE TRENCHES) SABS 1200 LB BEDDING (PIPES) SABS 1200 LD SEWERS SABS 0400 P DRAINAGE
- ALL EXISTING SERVICES TO BE LOCATED AND OPENED BEFORE THE PROPOSED DRAINAGE WORK IS COMMENCED.
- EXISTING DRAINAGE INVERT LEVELS & POSITIONS ARE TO BE CHECKED AGAINST INVERT LEVELS SHOWN ON THE DRAWINGS AND ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- MANHOLES IN TRAFFICABLE AREAS SHALL BE PROVIDED WITH A HEAVY-DUTY COVER & FRAME (TYPE 1A). ALL COVER FRAMES TO BE CAST INTO CONCRETE COVER SLABS.
- ALL PIPE BEDDINGS TO BE INSPECTED AND APPROVED BEFORE PIPE LAYING AND BACKFILLING MAY COMMENCE AFTER APPROVAL OF THE LAYED PIPE.
- THE MAXIMUM BEND ON ANY SINGLE FITTING SHALL BE 45° WITH THE EXCEPTION OF VENTILATION PIPES WHERE UP TO 90° MAY BE USED.
- CE's TO BE PROVIDED TO ALL BENDS, JUNCTIONS AND ON STRAIGHT PIPE RUNS EVERY 25m.
- ALL RODDING EYE'S TO BE MARKED AT FINISHED GROUND OR PAVING WITH APPROVED MARKER AND ACCESS TO DRAINS TO BE AT EVERY CHANGE OF DIRECTION, GRADIENT AND JUNCTIONS WITH OTHER DRAINS.
- ALL DRAINAGE PIPES UNDER BUILDINGS TO BE CAST-IRON PIPES TO SANS 746. ALL OTHER DRAINAGE PIPES TO BE PVC UNLESS NOTED OTHERWISE.
- WHERE DRAINS RUN THROUGH WALLS, BRICKWORK TO BE BRIDGED WITH R.C. LINTOL/BEAM TO ENGINEERS APPROVAL.
- PIPES AND FITTINGS BELOW CONCRETE SLABS AND ALONG WALLS OR COLUMNS TO BE SUSPENDED BY MEANS OF APPROVED HANGERS HOLDERBATS etc. AT APPROPRIATE INTERVALS. DETAILS TO BE APPROVED BY THE ENGINEER.
- ALL WASTE AND DRAINAGE JUNCTIONS TO BE EASILY ACCESSIBLE FOR CLEANING AND REPAIR.
- ALL VENT PIPES TO EXTEND APPROX. 500mm ABOVE ROOF AND BE FINISHED OFF WITH A SUITABLE DURABLE GRATING.
- ALL WASTE FITTINGS TO HAVE "DEEP RESEAL" TYPE TRAPS (75mm SEAL) AS WELL AS ALL FLOOR DRAINS AND GULLIES.
- SEWER PIPES WITH A SLOPE STEEPER THAN 1:5 SHALL BE ENCASED IN CONCRETE.
- ALL SINGLE WASH-HAND BASINS SHALL BE CONNECTED TO A 40mm INTERNAL DIAMETER WASTE PIPE.
- ALL GROUPS OF WASH-HAND BASINS AND SINKS SHALL BE CONNECTED TO A 50mm INTERNAL DIAMETER WASTE PIPE.
- SEWERS OUTSIDE THE BOUNDARY OF THE BUILDING COMPLEX SHALL BE CONSTRUCTED STRICTLY ACCORDING TO THE DETAILS AND SPECIFICATIONS OF THE LOCAL AUTHORITIES.
- DURING CONSTRUCTION, CARE SHALL BE TAKEN TO PREVENT THE INGRESS OF RUBBLE OR DIRT INTO THE SYSTEM.
- ALL PIPES TO BE PRESSURE TESTED AFTER LAYING AND BEFORE BACKFILLING. CONTRACTOR TO SEAL ALL JUNCTIONS FOR PRESSURE TESTING. TESTING TO BE CARRIED-OUT IN THE PRESENCE AND TO THE SATISFACTION OF THE ENGINEER (SEE NOTES AND TABLE FOR THE NBR1 AIR TEST)
- THE COMPLETED SYSTEM SHALL BE PROPERLY CLEANED OF ALL RUBBLE AND DIRT, BEFORE HANDOVER CAN TAKE PLACE.
- AFTER COMPLETION, PRINTS OF DRAWINGS SHALL BE UPDATED AND MARKED UP WITH INFORMATION BY THE CONTRACTOR AND HANDED TO THE ENGINEER, TO BE ABLE TO DRAW UP THE "AS BUILT" DRAWINGS.

THE N.B.R.I. AIR TEST FOR SEWERS & DRAINS

METHOD OF AIR TESTING

All completed sections of the pipe installation shall be filled with water after all branches have been plugged. All openings in the pipeline are plugged by means of sewer testing plugs. The sewer plug at the lowest end of the pipeline is connected to an air supply hose which is attached to a mechanically driven air blower, compressor or hand pump. Air is pumped into the pipeline at a pressure of approximately 375mm water gauge. The pressure is held at this level for a period of 2 minutes to allow the air temperature to become constant. Subsequently the air supply is closed off and the time recorded for the air pressure to drop from 250 to 125mm water gauge. If the recorded time is less than the value given in Table 1 below means that the pipeline leaks and does not comply with the required standards of tightness.

Pipe diameter (mm)	Minimum time (min - sec.)	Critical length of pipeline (m) (58m ² internal surface area)	Minimum time (s) for longer length (L) of pipeline
100	1 - 58	184.6	0,640 L
150	2 - 57	123.1	1,439 L
200	3 - 56	92.3	2,559 L
225	4 - 26	82.1	3,239 L
250	4 - 55	73.8	3,998 L
300	5 - 54	61.5	5,757 L
375	7 - 23	49.2	8,996 L
450	8 - 51	41.0	12,954 L
525	10 - 20	35.2	17,632 L
600	11 - 49	30.8	23,030 L

MINIMUM TIMES FOR PRESSURE DROP OF 250mm TO 125mm WATERGAUGE

WATER INSTALLATION

ALL WORK TO BE DONE STRICTLY IN ACCORDANCE WITH SABS 1200

MATERIAL SPECIFICATION

IN GROUND: HIGH DENSITY POLYETHYLENE (HDPE) TYPE IV CLASS 16 TO SANS 533.
INSIDE BUILDING: NORMALIZED MEDIUM GAUGE GALVANISED MILD STEEL TO SANS 62 WITH MALLABLE IRON FITTINGS TO SANS 509.
INSIDE BUILDING: HARD DRAWN COPPER PIPES TYPE "O" WITH CAPILLARY TYPE FITTINGS

HDPE PIPES

- ALL HDPE PIPES SHALL CONFORM TO SANS 533 TYPE IV CLASS 16, UNLESS OTHERWISE SPECIFIED (Ø _ 50mm)
- ALL FITTINGS SHALL BE "PLASSON" COMPRESSION TYPE, CONFORM TO ISO/DIS 3458.
- ALL PIPES SHALL BE LAID ON A 100mm SAND BEDDING CRIBLE AND COVERED WITH 300mm OF FINE GRAINED NON-COHESIVE MATERIAL.
- ALL BACKFILLING SHALL BE TO ENGINEERS SPECIFICATION AND APPROVAL. MAIN FILL SHALL BE COMPACTED TO:
a/ MIN. 93% MOD. AASHTO DENSITY UNDER ROADS OR THE DENSITY OF THE APPROPRIATE ROAD LAYERS IN THAT POSITION.
b/ 90% MOD. AASHTO DENSITY IN OTHER AREAS.
- ALL THRUST BLOCKS TO BE CAST BETWEEN THE PIPE AND THE UNDISTURBED TRENCH MATERIAL.
- NO CONCRETE SHALL COME INTO DIRECT CONTACT WITH THE HDPE PIPE. AT THE THRUST BLOCK THE FITTING SHALL BE WRAPPED WITH A "DENSOPOL 80 HT TAPE" OR SIMILAR APPROVED.
- ALL PIPES SHALL BE LAID WITH AT LEAST 1000mm COVER TO THE TOP OF THE PIPE.
- MARKER BLOCKS TO BE INSTALLED AT ALL TEES OR CHANGES OF DIRECTION.

GALVANISED PIPES

- IN PIPE DUCTS AND ELSEWHERE, PIPES SHALL BE FIXED ONTO WALLS AND CEILINGS WITH APPROVED TYPE PIPE SUPPORT, HOLDERBATS, CLAMPS ect.
- PIPES SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT AIR LOCKS.
- VALVES SHALL BE INSTALLED ON ALL BRANCH PIPES LONGER THAN 3m.
- A VALVE OR "BALL-O-STOP" SHALL BE INSTALLED TO ISOLATE ALL INDIVIDUAL FITTINGS.
- PIPES SHALL BE INSTALLED FLUSH UNLESS OTHERWISE INSTRUCTED BT THE ENGINEER.
- ALLOWANCE SHALL BE MADE FOR PIPES TO MOVE AT ALL EXPANSION JOINTS.
- THE TYPE OF PIPE JOINT MATERIAL SHALL BE APPROVED BY THE ENGINEER.
- ALL SURFACE MOUNTED HOT WATER PIPES SHALL BE LAGGED WITH APPROVED TYPE PIPE LAGGING MATERIAL.
- PIPES SHALL BE SUPPORTED AT THE FOLLOWING MAXIMUM INTERVALS:

TUBE SIZE	INTERVAL FOR VERTICAL RUNS (m)	INTERVAL FOR HORIZONTAL RUNS (m)
15 to 20	1,800m	1,200m
25 to 40	2,450m	1,800m
50 to 150	3,000m	2,450m

COPPER PIPES

- COPPER PIPES SHALL BE OF THE HARD DRAWN TYPE CLASS "O" TO SABS 460 AND SHALL BE JOINED BY MEANS OF CAPILLARY SOLDERED TYPE FITTINGS.
- IMMEDIATELY AFTER SETTING OF SOLDER THE JOINT SHALL BE WIPED CLEAN WITH A WET CLOTH. PIPES TO BE WASHED OUT AS SOON AS POSSIBLE AFTER JOINTING.
- ALL BRONZE OR BRASS EQUIPMENT AND FITTINGS TO BE OF THE DEZINCIFIED TYPE.
- COPPER PIPES AND FITTINGS SHALL BE INSTALLED STRICTLY TO MANUFACTURERS SPECIFICATIONS INCLUDING:
a/ NO LABOUR BENDS
b/ PROVISION FOR THERMAL CONTRACTION AND EXPANSION OF PIPES.
c/ PIPE BRACKETS TO BE INSTALLED AT APPROPRIATE POSITIONS WHERE PIPES ARE INSTALLED ON SURFACE BED.
d/ WRAPPING OF PIPES WHERE PIPES ARE CHASED OR BUILT INTO WALLS OR FLOORS.
- EQUIPMENT FIXED TO COPPER PIPES WHERE PIPES ARE SURFACE MOUNTED OR BUILT INTO WALLS SHALL BE DONE BY MEANS OF COPPER WALL PLATE FITTINGS
- PIPE HANGERS AND BRACKETS SHALL BE OF COPPER OR BRASS, UNDER NO CIRCUMSTANCES SHALL THE COPPER PIPE OR FITTINGS TOUCH ANY OTHER CONDUCTIVE MATERIAL A PVC, RUBBER OR SUITABLE ISOLATOR SHALL BE USED.
- A PRESSURE TEST SHALL BE PERFORMED WITH ALL JOINTS UNCOVERED ON THE COMPLETE LINE, WITNESSED BY THE ENGINEER.
- ALL HOT WATER PIPES INSTALLED ON SURFACE SHALL BE INSULATED WITH "THERMAFLEX" WITH MITERED JOINTS. ALL JOINTS TO BE TAPED WITH TAPE AS SPECIFIED BY THE MANUFACTURER.
- PIPES SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT AIR-LOCKS. A MINIMUM RISE OF 1:250 SHALL BE MAINTAINED TO HIGH POINTS WHICH SHALL BE FITTED WITH SUITABLE AIR-RELEASE VALVES.
- VALVES SHALL BE INSTALLED AT CONVENIENT LOCATIONS ON ALL BRANCH PIPES AND BALL-O-STOP VALVES SHALL BE INSTALLED ON ALL CONNECTORS TO BASIN PILLAR COCKS, MIXERS, SINKS, AND CISTERN TYPE WC's.
- AFTER COMPLETION, PRINTS OF DRAWINGS TO BE UPDATED AND MARKED-UP BY THE CONTRACTOR AND HANDED TO THE ENGINEER, TO BE ABLE TO DRAW-UP THE "AS BUILT" DRAWINGS.
- THE MAXIMUM GEYSER TEMPERATURE SHALL BE 60°C.
- ALL DROPPERS SHALL BE 20mm DIAMETER AND PIPES TO BE INSTALLED FLUSH UNLESS OTHERWISE NOTED OR INSTRUCTED BY THE ENGINEER.

LAGGING OF HOT WATER PIPES

THERMAFLEX THICKNESS TABLE

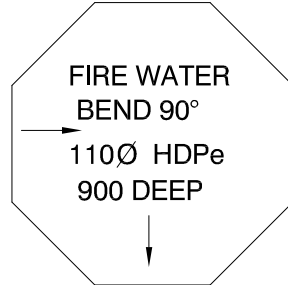
PIPE THICKNESS	THERMAFLEX THICKNESS
50mmØ	20mm
40mmØ	20mm
32mmØ	15mm
25mmØ	15mm
20mmØ	15mm
15mmØ	15mm

MARKER BLOCK SPECIFICATIONS

NOTES

- 20MPa CONCRETE BLOCK SIZE 300x303x150mm DEEP WITH SMOOTH STEEL TROWEL FINISH AND CHAMFERED EDGES AROUND THE TOP.
- GRADE 304L STAINLESS STEEL MARKER PLATE SIZE 200x200x1,6mm WITH CORNERS BENT 90° AND EMBEDDED IN THE CONCRETE.
- MARKER BLOCKS TO BE PLACED ON TOP OF OR NEXT TO UNDERGROUND HYDRANTS, VALVES, VALVE BOXES, BENDS OR OTHER DIRECTIONAL CHANGES AND OTHER FITTINGS OF SERVICES AND MARKED AS IN NOTE 5.
- WELL PREPARED BASE COMPACTED TO MIN. 90% MOD. AASHTO.
- THE FOLLOWING INFORMATION SHALL BE NEATLY PUNCHED OR ENGRAVED ON THE PLATE, WITH A MINIMUM OF 4mm HIGH CHARACTERS:-
a/ SERVICE: e.g DOMESTIC WATER
FIRE WATER
STORM WATER
SANITARY DRAINAGE
COMPRESSED AIR
b/ FITTING: e.g VALVE
HYDRANT
CLEANING EYE
BEND
T-PIECE
c/ SIZE OF MAIN SERVICE: 100
150 Ø
d/ DEPTH: e.g 1 METER 900mm (TO TOP OF SERVICE)
e/ DIRECTIONS OF INCOMING AND OUTGOING SERVICES WITH ARROWS OF MIN. LENGTH OF 25mm LONG.

SAMPLE



CLIENT



NQUTHU LOCAL MUNICIPALITY

FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



Reflective Thinkings (Pty) Ltd

**66 Wren way
Yellowwood Park
Durban
4004**

**Tel No.: 031 462 6358
Fax No.: 031 462 7915**

DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1 PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	
APPROVAL - CONSULTANT		
NAME [MD SHANGASE] SIGNATURE		
DATE [10 AUG 2023] PROFESSIONAL REG NO. [PSAT 2479110]		
SCALE AS SHOWN	SHEET SIZE A1	
Drawing No.	Sheet	Rev.
CONSTRUCTION INFORMATION		
MAINLAYER		
START DATE		
FINISH DATE		
WFO NUMBER		
LEVEL OF SERVICE		
SUPERVISOR NAME		
CONTACT NUMBER		
DATE SENT TO GIS		
GIS INFORMATION		
DATE RECEIVED		
NAME		

Rev. No. Date Description Drawn

NOTE: No construction work to commence until land and servitude acquisitions have been completed

Acquisitions completed:

Drawn	Engineer
UNDERGROUND SERVICES CHECKED -	
SERVICE	DATE SIGNATURE
S.W DRAINS	
SEWERS	
WATERMANS	
TELECOM CABLES	
ELECTRIC CABLES	
S.A.R CABLES	
E.S.C CABLES	
OIL PIPE LINE	
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Contract No.

Project No. **RT 19.02**

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

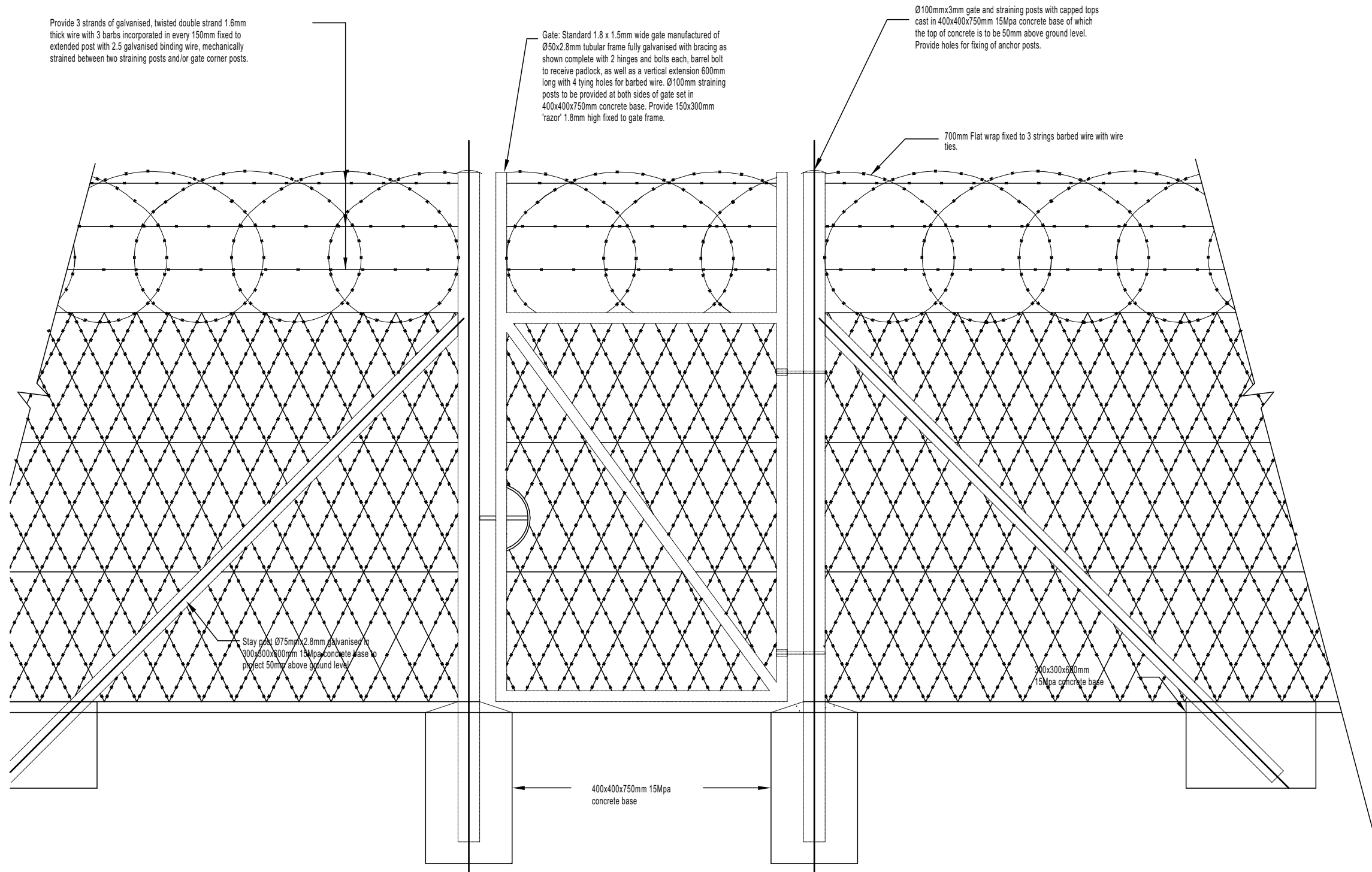
Project Title

CONSTRUCTION OF NEW NHLAMBAMKHOSI COMMUNITY HALL

Drawing Title

GENERAL NOTES

Drawing No. NMCH-ARCH-1300	Sheet 13 of 14	Rev. 0
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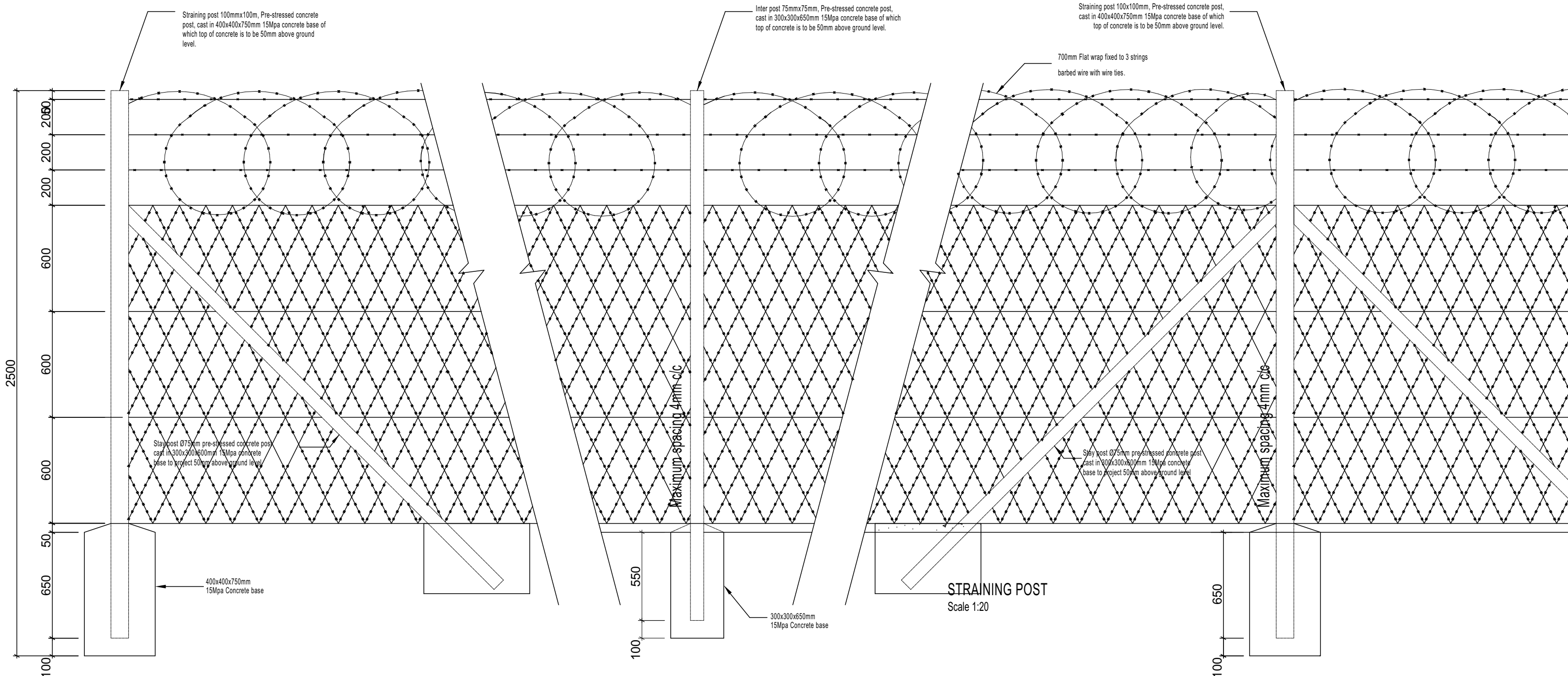
GALVANISED PEDESTRIAN GATE IN SECURITY FENCE

Scale 1:25

FRONT ELEVATION

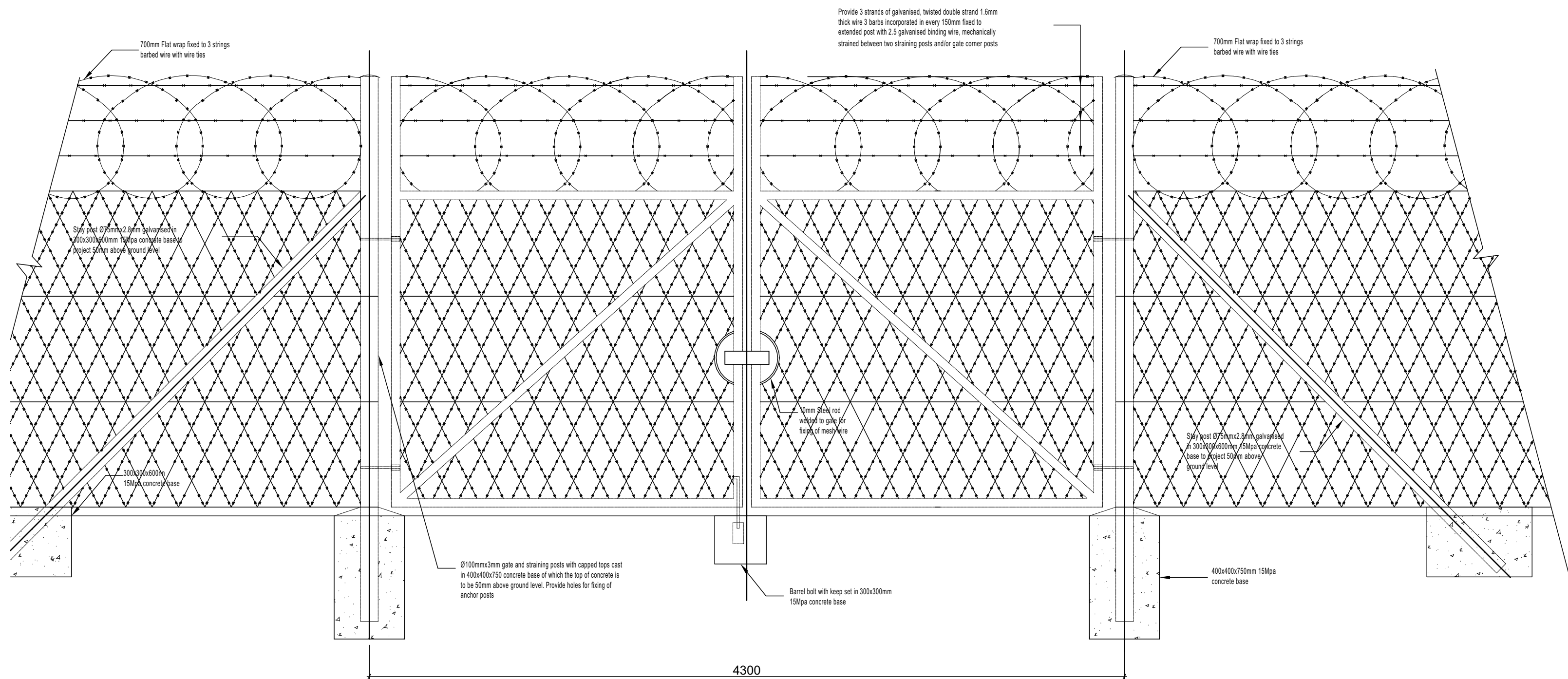
LOCK DETAILS

AS SHOWN



INTER & CORNER POST DETAIL

Scale 1:25



GALVANISED VEHICLE GATE

Scale 1:25

CLIENT



NQUTHU LOCAL MUNICIPALITY

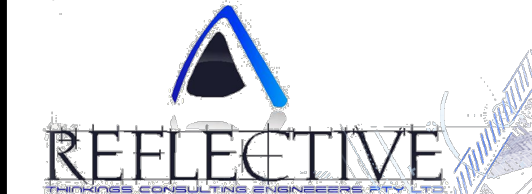
FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



Reflective Thinkings (Pty) Ltd

66 Wren way
Yellowwood Park
Durban
4004

Tel No.: 031 462 6358
Fax No.: 031 462 7915

DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1 PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	
APPROVAL - CONSULTANT		
NAME	MD SHANGASE	SIGNATURE
DATE	10 AUG 2023	PROFESSIONAL REG NO. PSAT 24781103

SCALE	SHEET SIZE
AS SHOWN	A1
Drawing No.	Sheet
	Rev.

CONSTRUCTION INFORMATION

MAINLAYER	
START DATE	
FINISH DATE	
WFO NUMBER	
LEVEL OF SERVICE	
SUPERVISOR NAME	
CONTACT NUMBER	
DATE SENT TO GIS	
DATE RECEIVED	
NAME	

Rev. No.	Date	Description	Drawn
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NOTE: No construction work to commence until land and servitude acquisitions have been completed.

Acquisitions completed.

Date: _____ Engineer: _____

UNDERGROUND SERVICES CHECKED -	DATE	SIGNATURE
SERVICE		
S.W DRAINS		
SEWERS		
WATERMANS		
TELKOM CABLES		
ELECTRIC CABLES		
S.A.R CABLES		
E.S.C CABLES		
OIL PIPE LINE		

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Contract No.

Project No. **RT 19.02**

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

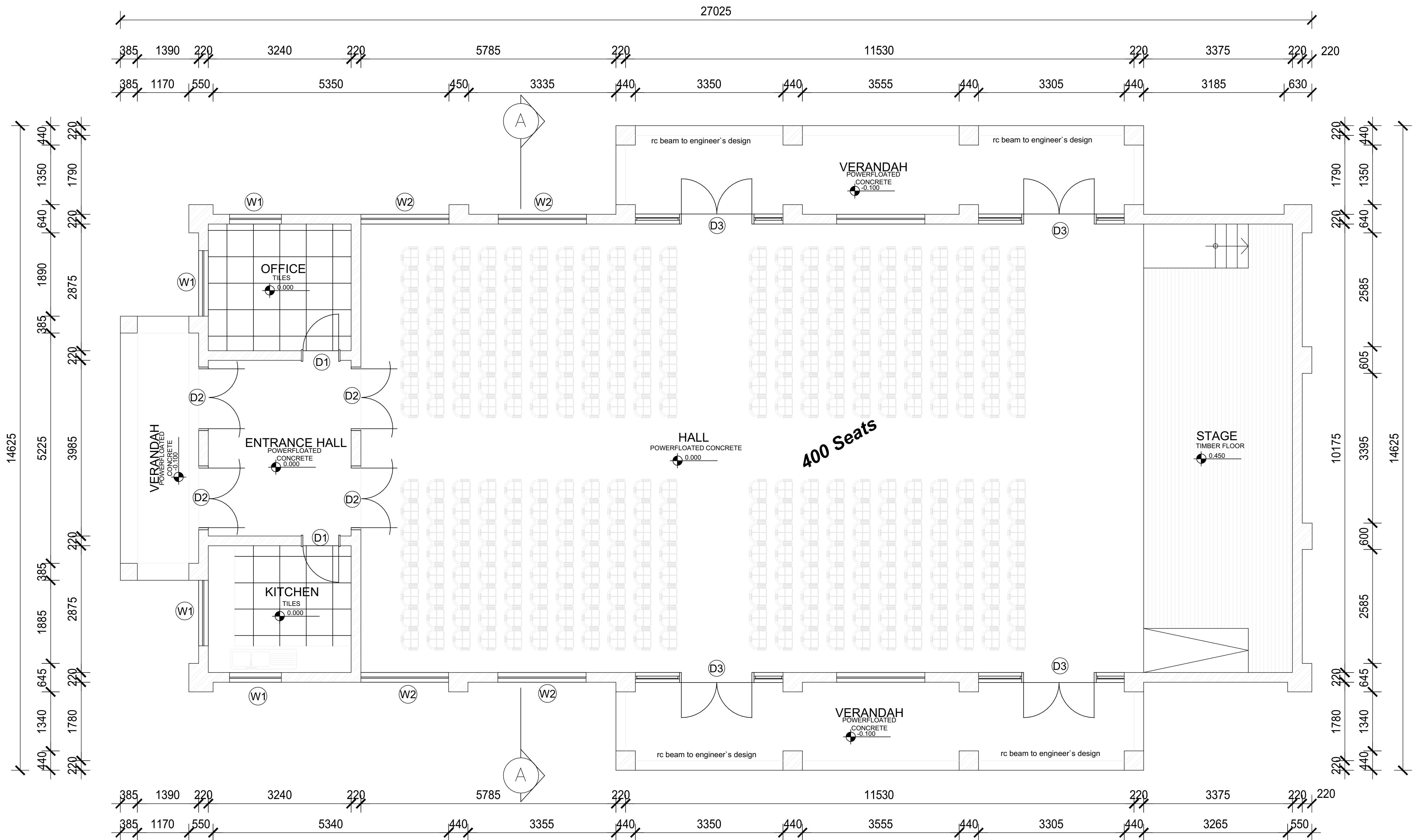
Project Title

**CONSTRUCTION OF NEW
NHLAMBAMKHOSI
COMMUNITY HALL**

Drawing Title

FENCE & GATE DETAILS

Drawing No.	Sheet	Rev.
NMCH-ARCH-1400	14 of 14	0



PLAN

Scale 1:50

NOTES

GENERAL

- o Dimensions are to be used in preference to scaling.
- o All building works must comply with SABS 0400 minimum Standards.
- o All dimensions are to be checked on site prior to commencement of work.
- o All specifications are applicable for standard conditions, if any abnormal conditions are prevalent, they must be reported to the Engineer for the required changes to specifications.

SPECIFICATIONS

- Standard I.B.R Ridge Capping complete with matching closure peace with 'Chromadek - SKY BLUE' finishing and fixed to manufacturers specification.
- 0.6mm I.B.R metal roof sheets with Chromadek - SKY BLUE' finishing fixed on 75 x 50mm SA pine purlins, at 1040mm c/c with drive screws and everseal washer according to manufacturer's specifications.
- Triangular Louver manufactured to details and fixed to truss with drive screws.
- 200 x 80mm Socketless barge boards by 'Everite' fixed on gable ends, with drive screws and everseal washer according to manufacturer's specifications. Finishing to barge boards to be one coat undercoat / sealer and two coats acrylic PVA paint. Colour: White.
- 75 x 50mm SA pine purlins at max. 1040mm c/c fixed with 'Hurricane clips' on PAR SA pine 'Gangnail' roof trusses at ±1150mm c/c according to Truss manufacturer's specifications. All exposed trusses to be painted with two coats 'Carbolineum'.
- 4mm allocation/Buble foil FR(Fire Resistant) - white poly thylene coated single aluminum foil insulation code 2906 as supplied by allocation.
- 75 x 50 SA pine purlins at max. 1040mm c/c fixed with 'Hurricane clips' on 152 x 50mm SA pine rafters at 1050mm c/c to be treated with 'Carbolineum'.
- 225 x 15mm Tempered fibre cement fascia by 'Everite' fixed to truss ends with galvanised drive screws. Finishing to barge boards to be one coat undercoat / sealer and two coats acrylic PVA paint. Colour: White.
- 114 x 38mm SA pine wall plates fixed to iron hoops at max. 1000 mm c/c cast into ring beam.
- 4mm Nutec ceiling boards by 'Everite', fixed to 38 x 38mm SA pine brandering at max. 400mm c/c, with H profile joining strips and 75mm gypsum cornice. Nail heads to be prepared and primed with Universal undercoat. Paint one coat Acrylic undercoat and two coats General Purpose Acrylic PVA. Colour : White.
- 300mm Diameter 'Whirly Bird' extractor fixed to ridge cap according to manufactures specification.
- Pre-stressed concrete lintels on end, 2 x 75 x 140mm, tied together with wire ties and finished with plastering.
- 'Winblocks' (WB66), 190mm width complete with galvanised opening section (WVS66 T) as

- 'Winblocks' (WB66), 190mm width complete with galvanised opening section (WVS66 T) as indicated with 4.0 mm glazing. No finishing to 'Winblock' but the preglazed steel frame must be hot dipped galvanised.
- Plaster and paint internal walls to hall area with one coat acrylic undercoat ant two (2) coats super general purpose acrylic PVA. Colour: Oatmeal.
- All internal walls to Ladies & Gents toilets, kitchen, office and entrance / hall area to be plastered with 12 mm steel trowel plaster to a smooth and even finish, painted with one coat Acrylic undercoat and two coats Super General purpose acrylic PVA. Colour: Oatmeal.
- 'Seal-o-flex' waterproofing to be applied by an approved applicator and according to manufacturer's specifications. Waterproofing to be applied prior to paintwork.
- External beams and piers to be finished with 12mm steel trowel finish plastering with two (2) coats 'Plasson' Wall and All paint. Colour: Pinotage Velvet.
- External infill panels to be finished with 12mm steel trowel finish plastering with two (2) coats 'Plasson' Wall and All paint. Colour: Oatmeal. Pattern paintwork as shown in colour : WAA8 - Caramel.
- 700 x 300mm concrete strip foundations. Subject to change due to soil conditions.
- Entrance door type DDA built into walls and finished with 4.0 mm glazing and painted with one coat Universal undercoat and two coats Polyurethane enamel. Colour: White.
- 80mm thick, 20MPa/19mm surface beds with reinforcing mesh ref. 245, laid on 'Gunplas' 250µ waterproofing membrane on ant poisoned granular fill, compacted to 93% Mod. AASHTO. Slab to receive steel trowel finished.
- 80mm thick Stage concrete slab in sloping panels, 20MPa/19mm stone with reinforcing mesh ref. 245, laid on 'Gunplas' 250µ waterproofing membrane on ant poisoned granular fill, compacted to 93% Mod. AASHTO compacted fill. With steel trowel finish.
- 'Teco' truss hangers fixed to wall with M10 rawl bolts. Rafters to be nailed to hangers according to Mitec specifications.
- 190 x 190 x 390mm concrete building blocks for beam filling. Laid on 'Wall Crete' mortar beds in stretcher bond on 200mm gauge.
- Foundation Wall: Concrete brickwork with polished joints Super Structure: 190 x 190 x 390mm concrete building blocks. Laid on 'Wall Crete' mortar beds in stretcher bond on 200mm gauge.
- Galvanised hoop iron roof ties.
- Brick force to be applied in every course.
- 80 x 1000mm Wide sloping apron with toe, around hall.
- 190 x 90 x 390mm concrete building blocks. Laid in 'Wall Crete' mortar beds in stretcher bond on 200mm gauge.
- 76 x 76mm Pine batten, planed as shown to form tilter batten.
- 400 x 200mm, 25MPa Concrete ring beam, with 110mm bricks as permanent shuttering and 4 x Y12 reinforcing bars with 260-R8-04 @250 stirrups.

CLIENT



NQUTHU LOCAL MUNICIPALITY

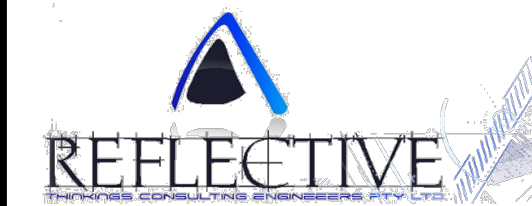
FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



Reflective Thinkings (Pty) Ltd

66 Wren way
Yellowwood Park
Durban
4004

Tel No.: 031 462 6358
Fax No.: 031 462 7915

DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1
PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	
APPROVAL - CONSULTANT		
NAME	MD SHANGASE	SIGNATURE
DATE	10 AUG 2023	PROFESSIONAL REG No. (PSAT 2479110)
SCALE	AS SHOWN	SHEET SIZE
Drawing No.	Sheet	Rev.

CONSTRUCTION INFORMATION

MAINLAYER	
START DATE	
FINISH DATE	
WFO NUMBER	
LEVEL OF SERVICE	
SUPERVISOR NAME	
CONTACT NUMBER	
DATE SENT TO GIS	
GIS INFORMATION	
DATE RECEIVED	
NAME	

Rev.	No.	Date	Description	Drawn

NOTE: No construction work to commence until land and servitude acquisitions have been completed
Acquisitions completed:

Date:	Engineer:
UNDERGROUND SERVICES CHECKED -	
SERVICE	DATE SIGNATURE
S.W DRAINS	
SEWERS	
WATERMANS	
TELECOM CABLES	
ELECTRIC CABLES	
S.A.R CABLES	
S.E.C CABLES	
OIL PIPE LINE	

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Contract No.

Project No. RT 19.02

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

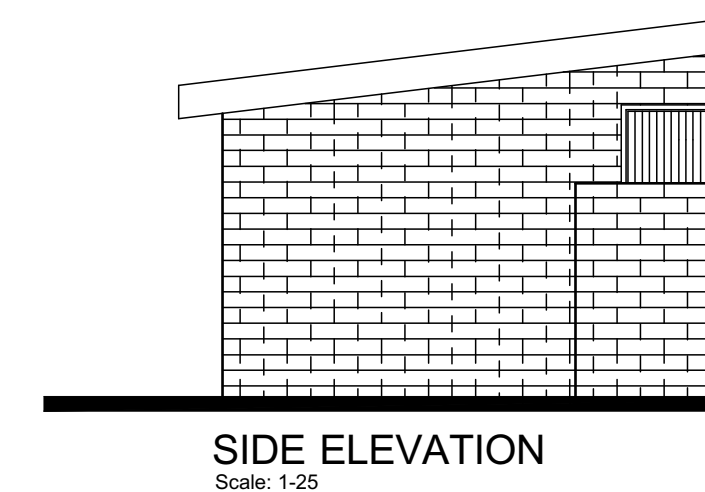
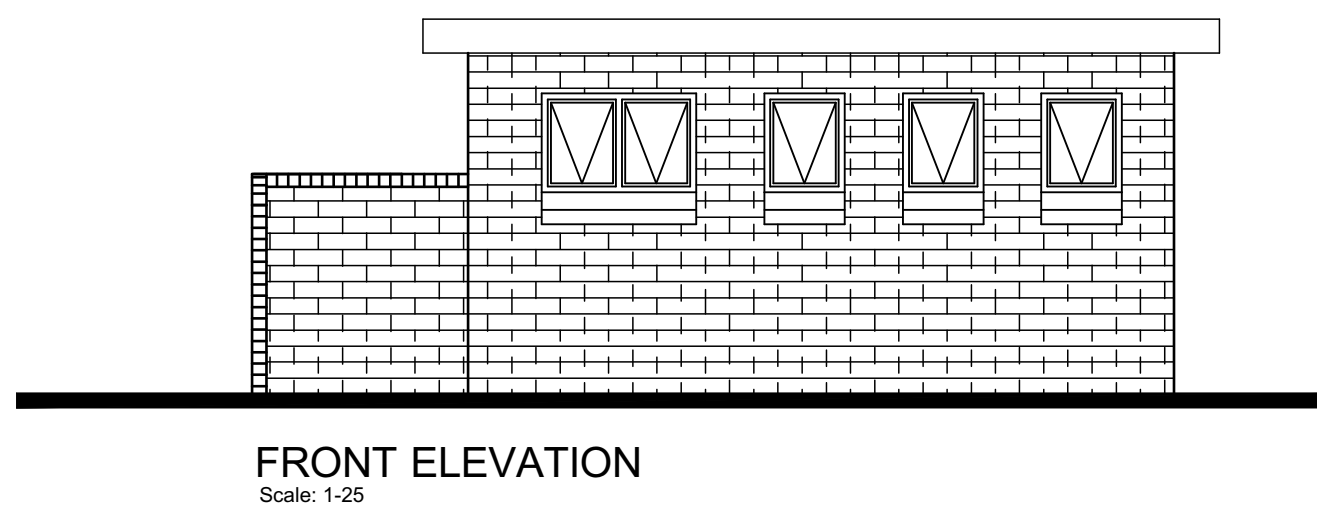
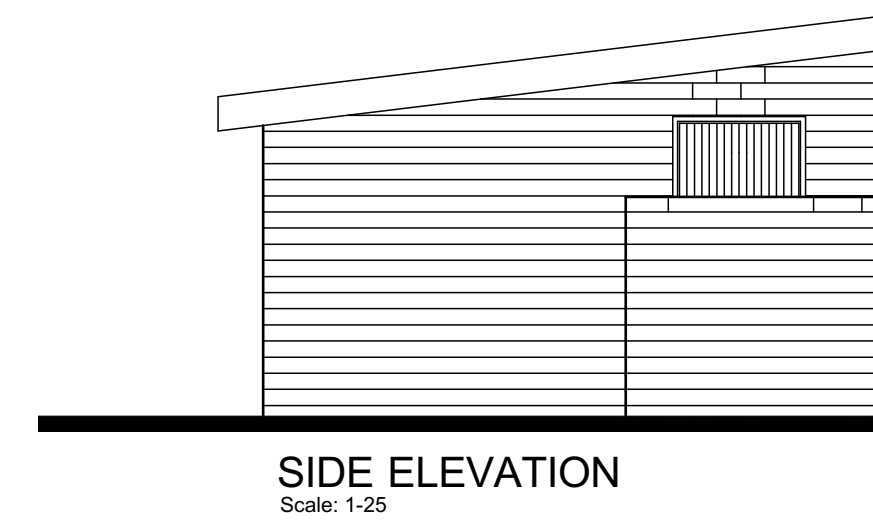
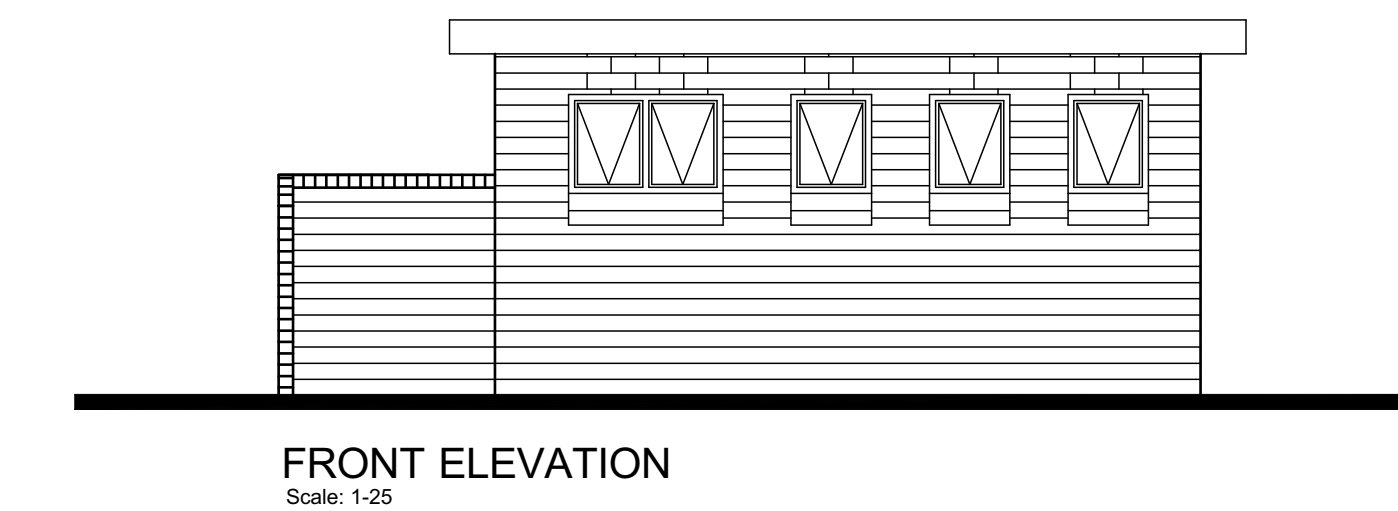
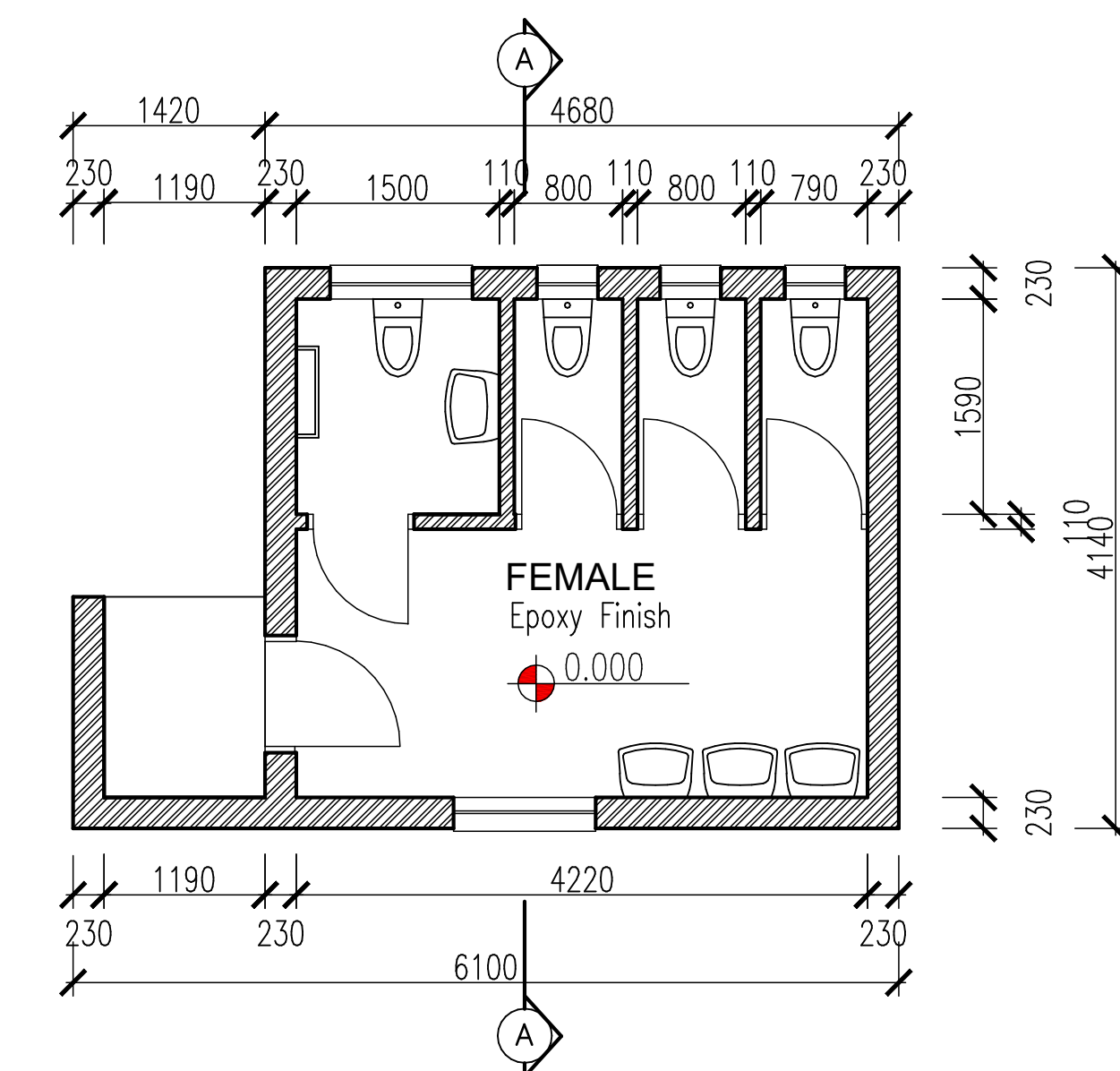
Project Title



CONSTRUCTION OF NEW
NHLAMBAMKHOSI
COMMUNITY HALL

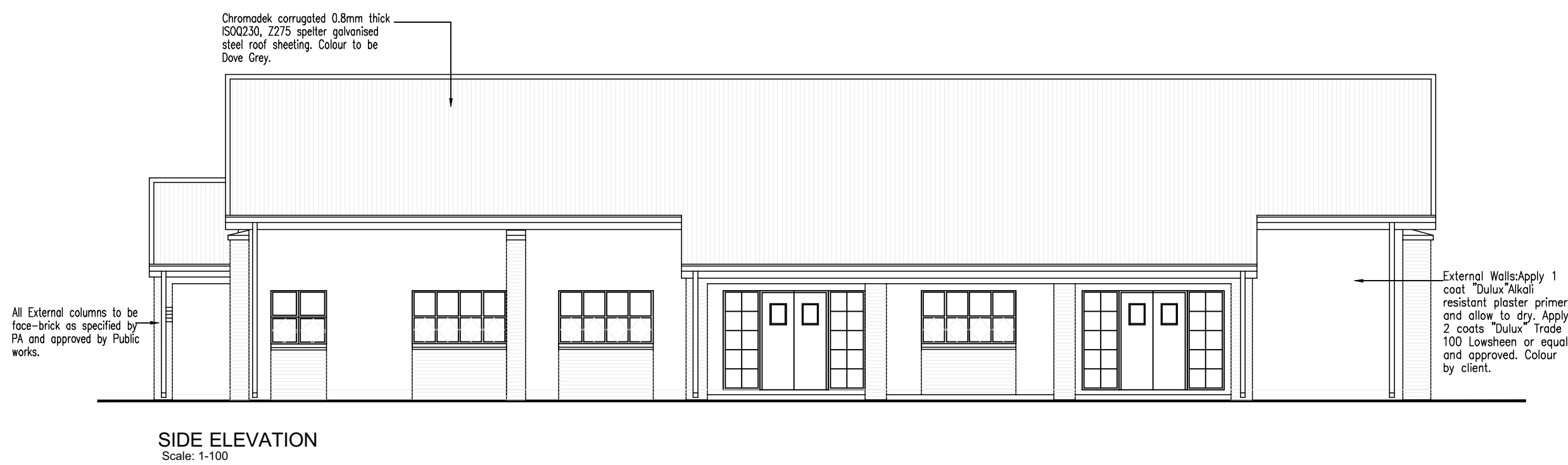
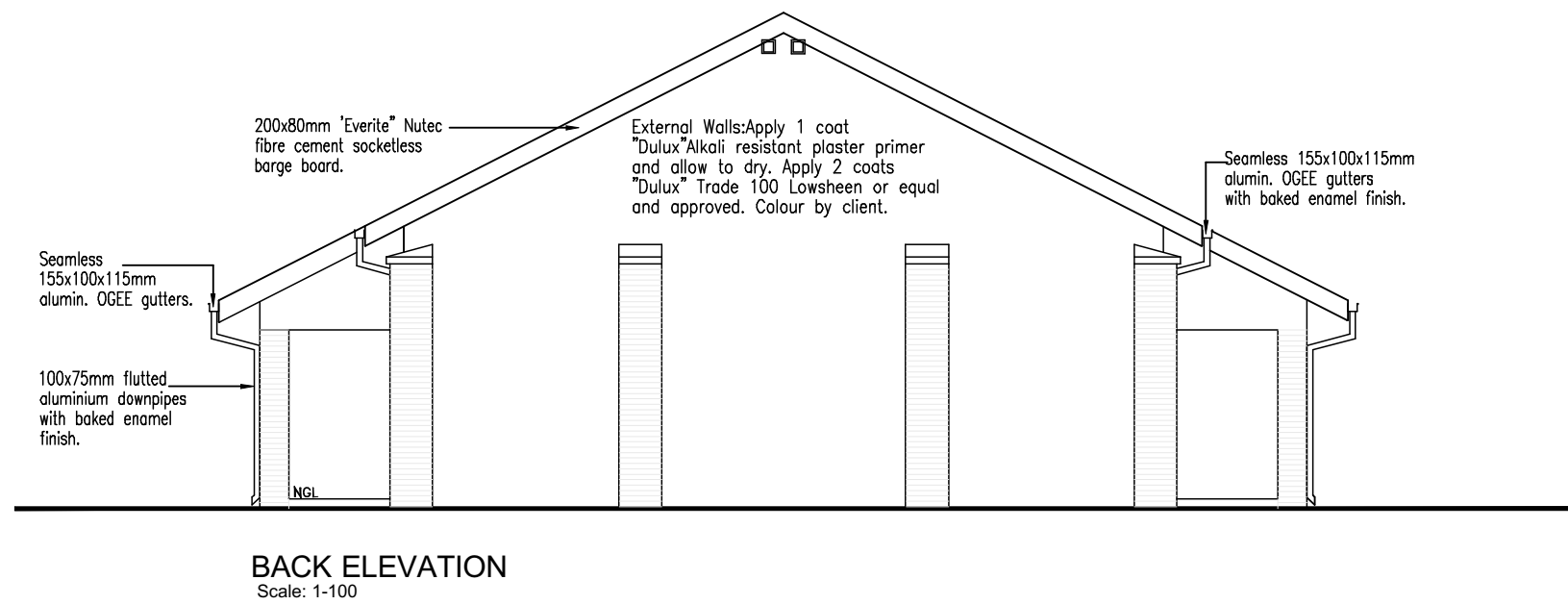
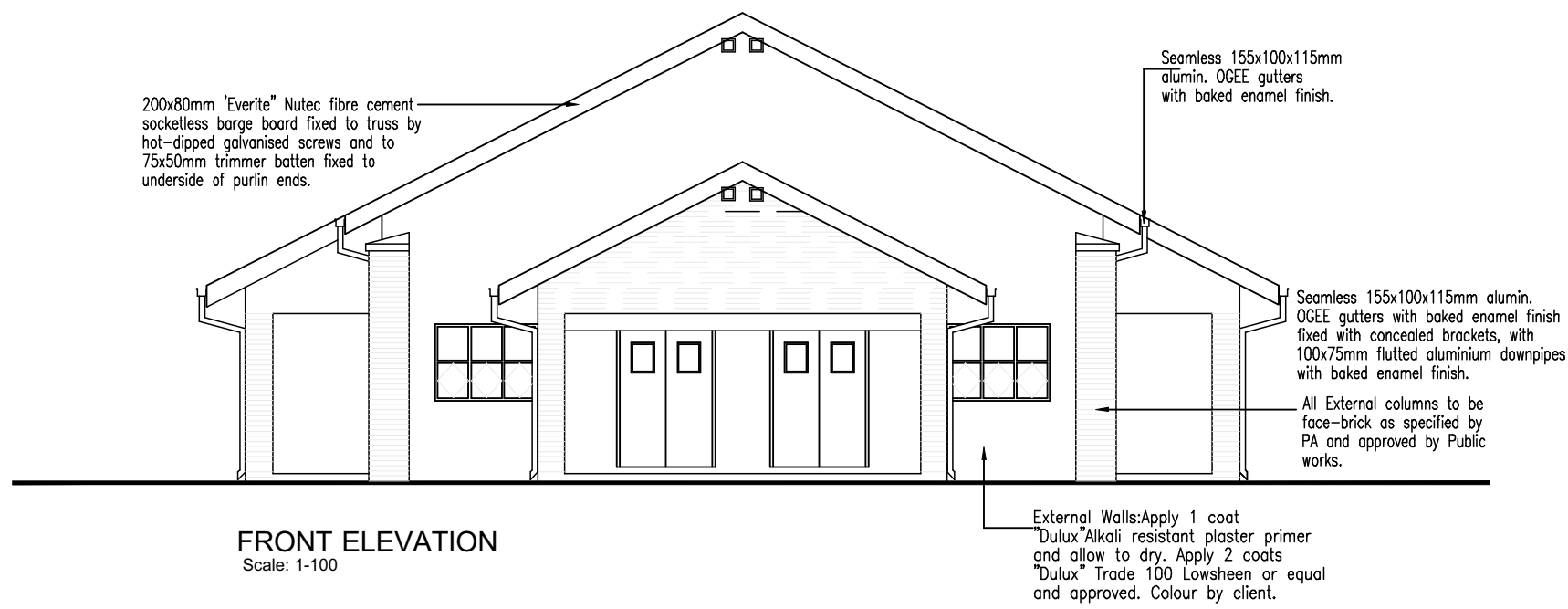
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HALL FLOOR PLAN

Drawing No.	Sheet	Rev.
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NQUTHU LOCAL MUNICIPALITY		
FOR TENDER		
AREA SCHEDULE		
SITE AREA		
PARKING AREA		
PERIMETER FENCE		
HALL BUILDING		
VIP ABLUTIONS		
PROPOSED CONCEPT DESIGN OPTION		
DESIGN CONSULTANT		
		
Reflective Thinkings (Pty) Ltd 66 Wren way Yellowwood Park Durban 4004 Tel No.: 031 462 6358 Fax No.: 031 462 7915		
DRAWING ISSUED FOR : APPROVAL		
NBR OCCUPANCY CLASS : A1		
PLACE OF ASSEMBLY		
FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGANE	
DRAWN BY	MD SHANGANE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	
APPROVAL - CONSULTANT		
NAME MD SHANGANE SIGNATURE _____		DATE 10 / AUG / 2023 PROFESSIONAL REG NO. 18047 2475/10/03
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Drawing No.	Sheet	Rev.
CONSTRUCTION INFORMATION		
MAIN-LAYER		
START DATE		
FINISH DATE		
W/O NUMBER		
LEVEL OF SERVICE		
SUPERVISOR NAME		
CONTACT NUMBER		
DATE SENT TO GIS		
GIS INFORMATION		
DATE RECEIVED		
NAME		
Rev.	No	Description
NOTE: No construction work to commence until land and servitude acquisitions have been completed		
Acquisitions completed:		
Date	Engineer	
UNDERGROUND SERVICES CHECKED -		
SERVICE	DATE	SIGNATURE
S/W DRAINS		
SEWERS		
WATERMAINS		
TILCOX CABLES		
ELECTRIC CABLES		
S.A.R CABLES		
E.S.C CABLES		
CABLE LINE		
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Contract No.		
Project No. RT 19.02		
Planning Unit		
ARCHITECTURAL		
WARD No.		
WARD 4		
Project Title		
CONSTRUCTION OF NEW NHLAMBAMKHOSI COMMUNITY HALL		
Drawing Title		
ABLUTIONS		
Drawing No. NNCH-ARCH-200	Sheet 2 of 12	Rev. 0



CLIENT



NQUTHU LOCAL MUNICIPALITY

FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



Reflective Thinkings (Pty) Ltd

66 Wren way
Yellowwood Park
Durban
4004

Tel No.: 031 462 6358
Fax No.: 031 462 7915

DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1

PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	
APPROVAL - CONSULTANT		
NAME	MD SHANGASE	SIGNATURE

SCALE	DATE	10 AUG 2023	PROFESSIONAL REG No.	PSAT 24781103
AS SHOWN	SHEET SIZE	A1		
Drawing No.	Sheet	Rev.		

CONSTRUCTION INFORMATION

MAINLAYER	
START DATE	
FINISH DATE	
WFO NUMBER	
LEVEL OF SERVICE	
SUPERVISOR NAME	
CONTACT NUMBER	
DATE SENT TO GIS	
GIS INFORMATION	
DATE RECEIVED	
NAME	

Rev. No.	Date	Description	Drawn

NOTE: No construction work to commence until land and servitude acquisitions have been completed.

Acquisitions completed:

Date: _____ Engineer: _____

UNDERGROUND SERVICES CHECKED -

SERVICE	DATE	SIGNATURE
S.W DRAINS		
SEWERS		
WATERMANS		
TELEKOM CABLES		
ELECTRIC CABLES		
S.A.R CABLES		
E.S.C CABLES		
OIL PIPE LINE		

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Contract No.

Project No. **RT 19.02**

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

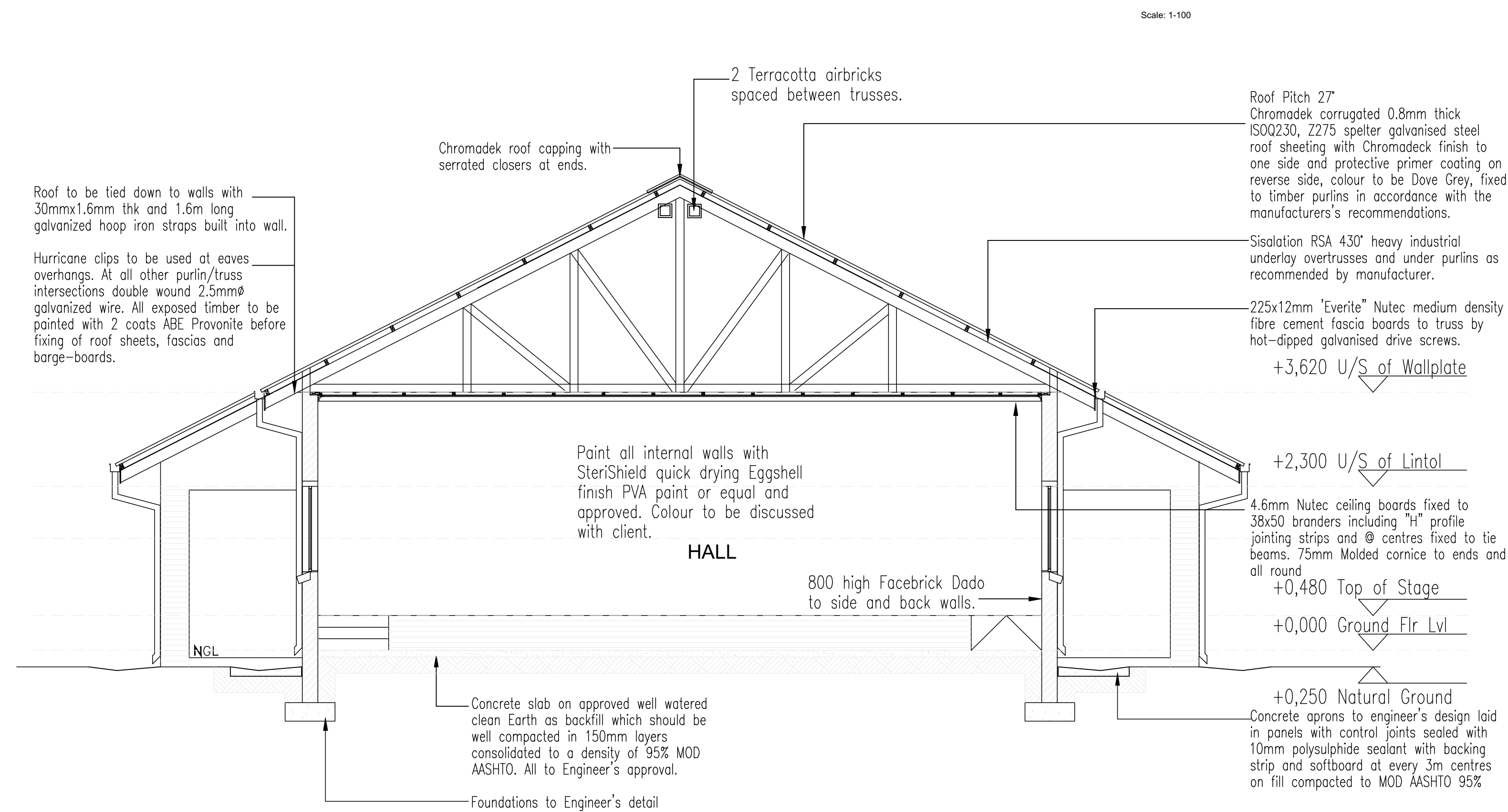
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CONSTRUCTION OF NEW NHLAMBAMKHOSI COMMUNITY HALL

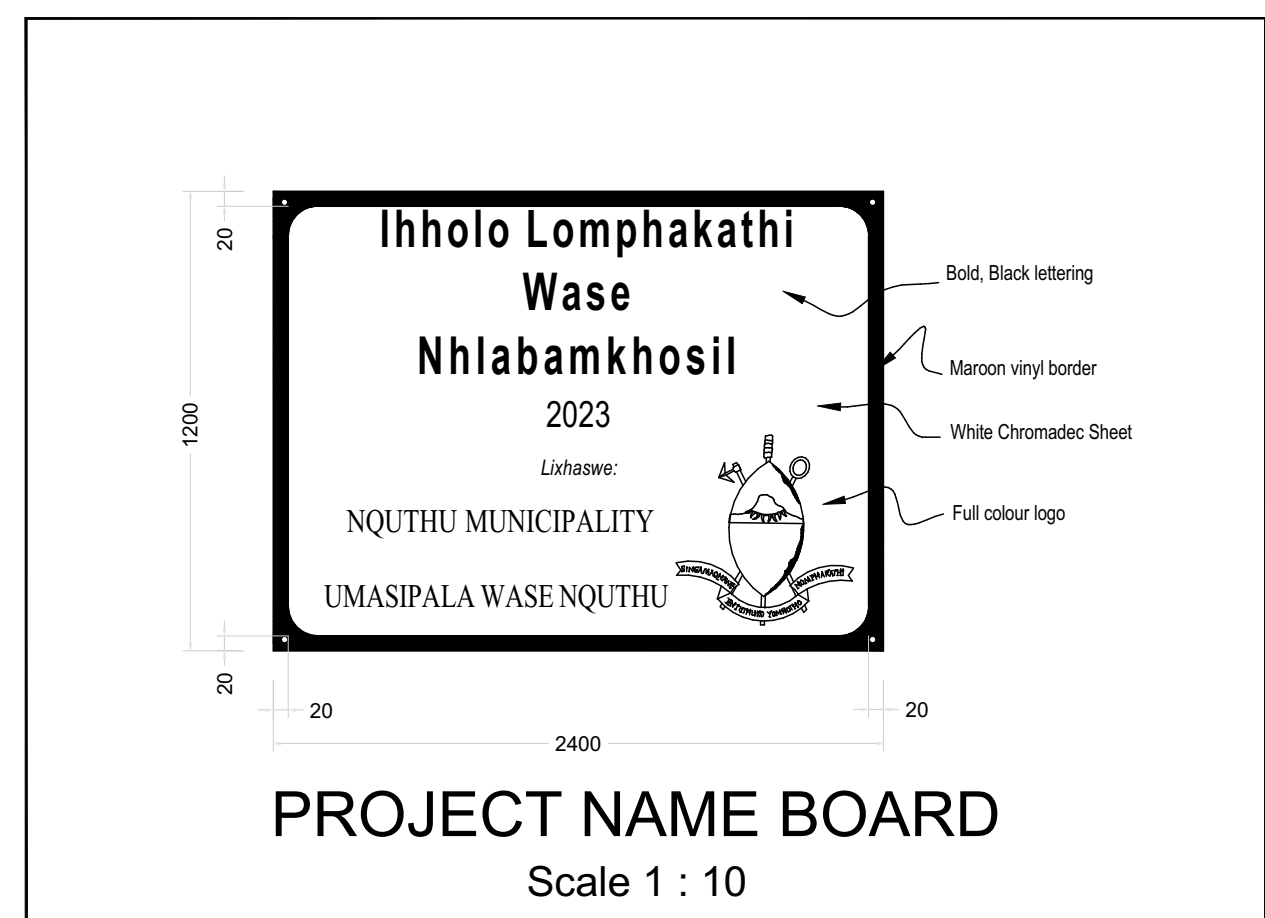
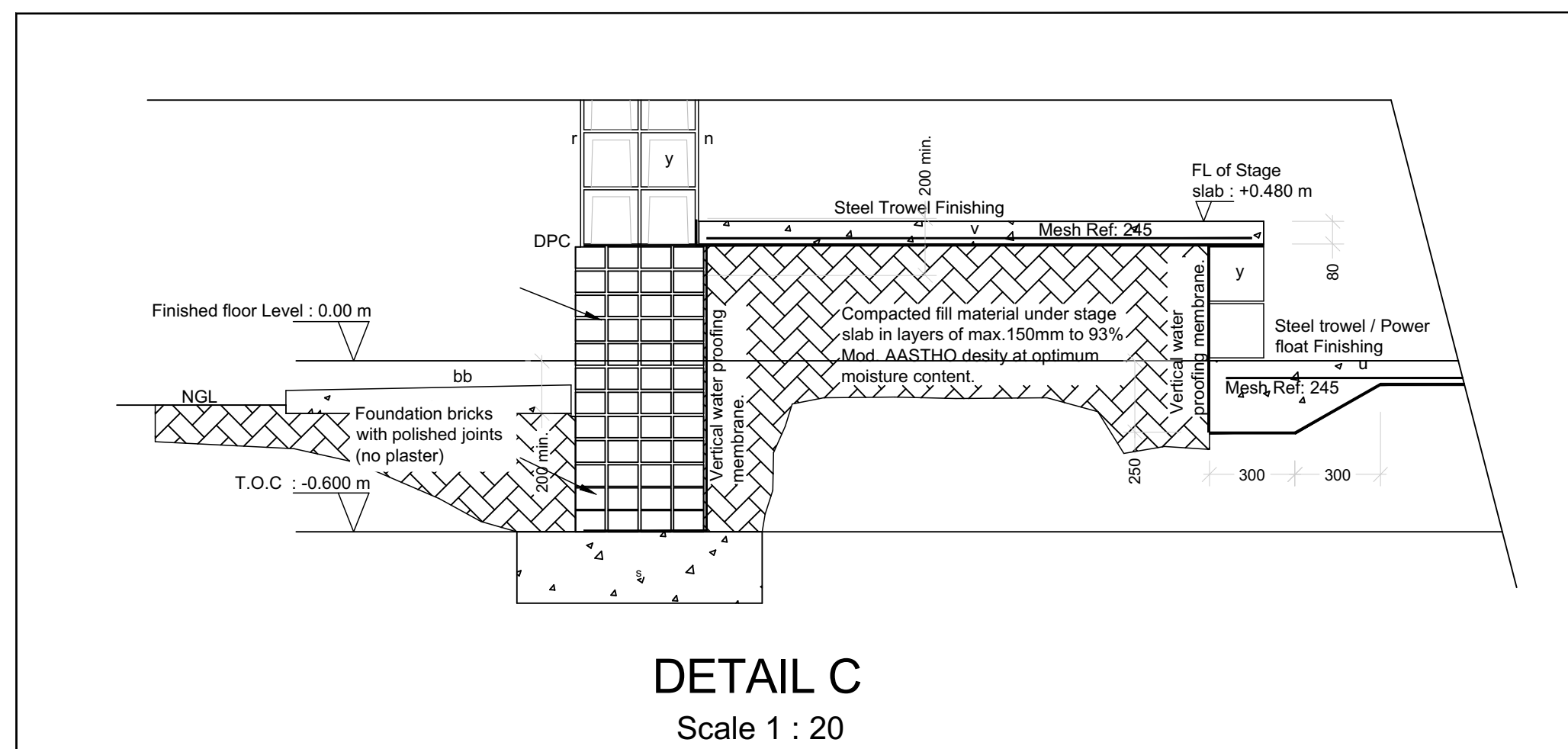
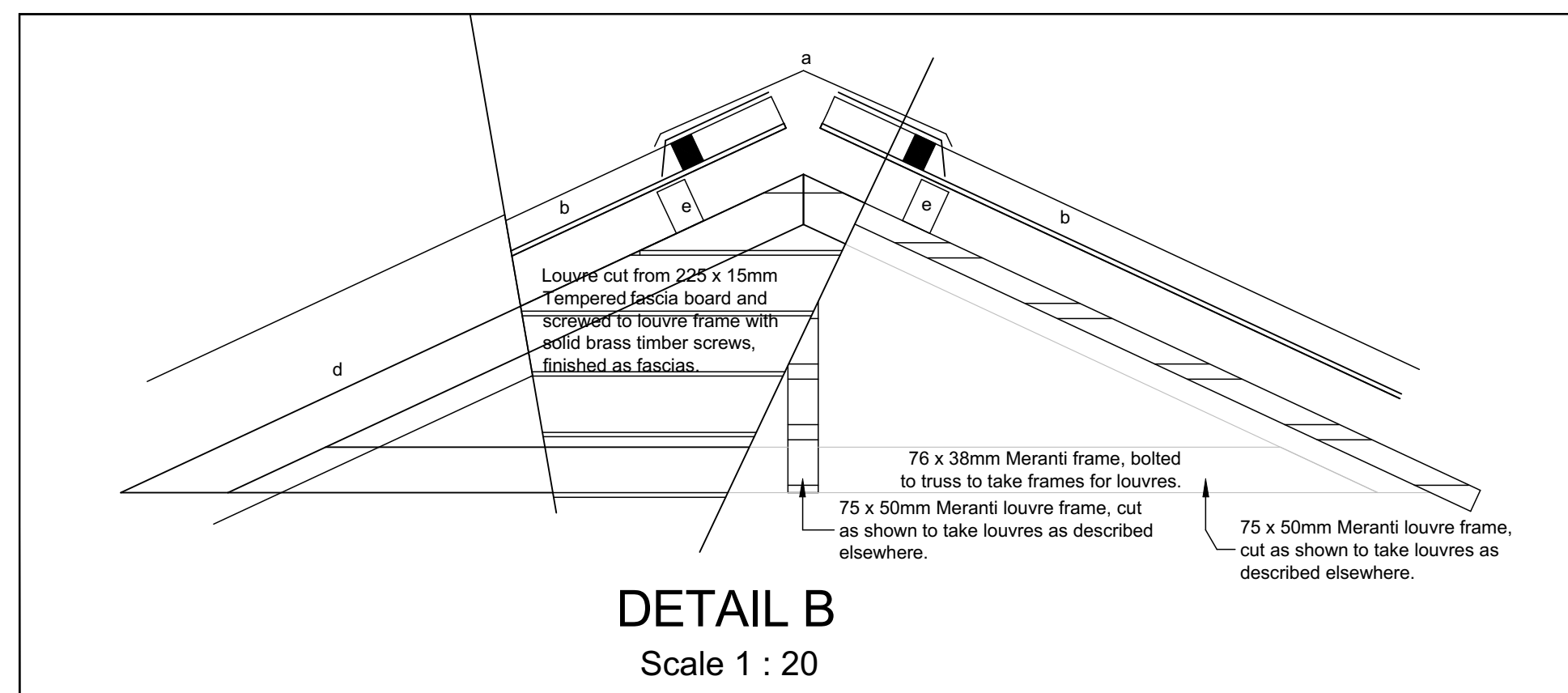
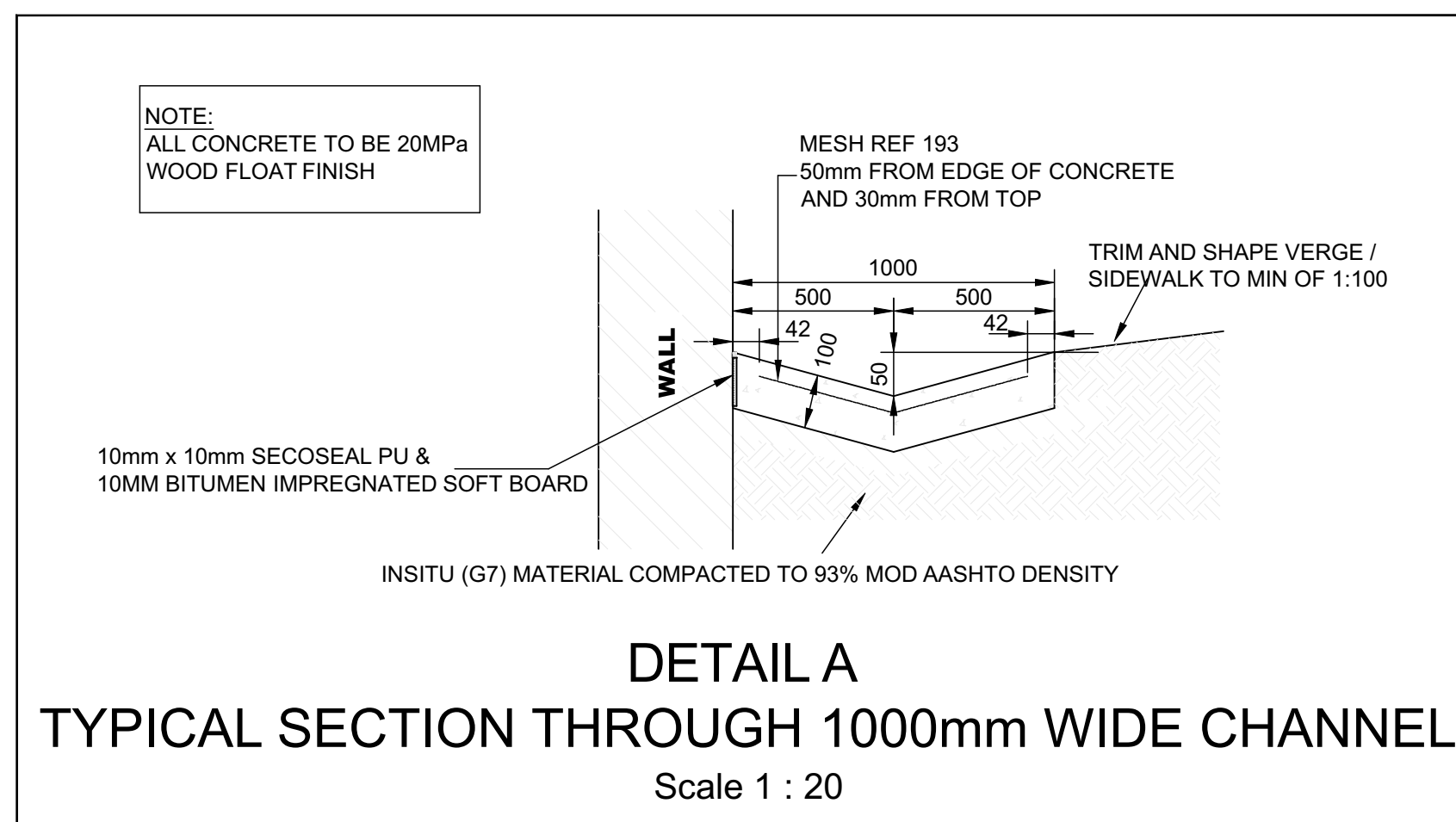
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ELEVATIONS

Drawing No.	Sheet	Rev.
NMCH-ARCH-300	3 of 12	0



SECTION AA
Scale: 1-50



CLIENT



NQUTHU LOCAL MUNICIPALITY

FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



Reflective Thinkings (Pty) Ltd

66 Wren way
Yellowwood Park
Durban
4004

Tel No.: 031 462 6358
Fax No.: 031 462 7915

DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1
PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	
APPROVAL - CONSULTANT		
NAME	MD SHANGASE	SIGNATURE
DATE	10 AUG 2023	PROFESSIONAL REG No.: PSAT 24791103

SCALE	AS SHOWN	SHEET SIZE	A1
Drawing No.		Sheet	Rev.

CONSTRUCTION INFORMATION

MAINLAYER	
START DATE	
FINISH DATE	
WFO NUMBER	
LEVEL OF SERVICE	
SUPERVISOR NAME	
CONTACT NUMBER	
DATE SENT TO GIS	
GIS INFORMATION	
DATE RECEIVED	
NAME	

Rev. No. Date Description Drawn

NOTE: No construction work to commence until land and servitude acquisitions have been completed.

Acquisitions completed:

DATE	ENGINEER
UNDERGROUND SERVICES CHECKED -	
SERVICE	DATE SIGNATURE
S.W DRAINS	
SEWERS	
WATERMANS	
TELECOM CABLES	
ELECTRIC CABLES	
S.A.R CABLES	
E.S.C CABLES	
OIL PIPE LINE	

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Contract No.

Project No. **RT 19.02**

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

Project Title

CONSTRUCTION OF NEW NHLAMBAMKHOSI COMMUNITY HALL

Drawing Title

SECTIONS & DETAILS

Drawing No.	Sheet	Rev.
NMCH-ARCH-400	4 of 12	0

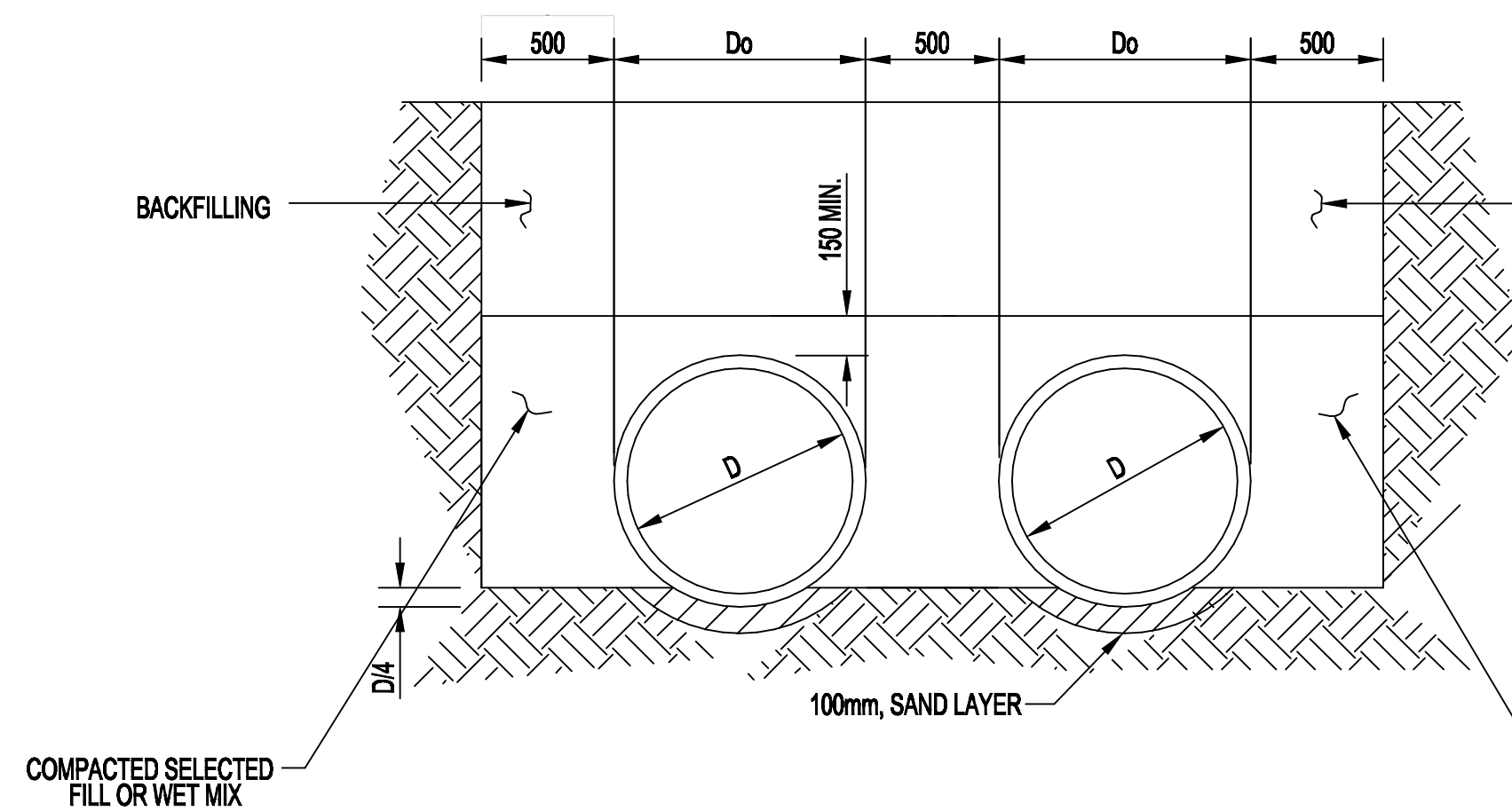
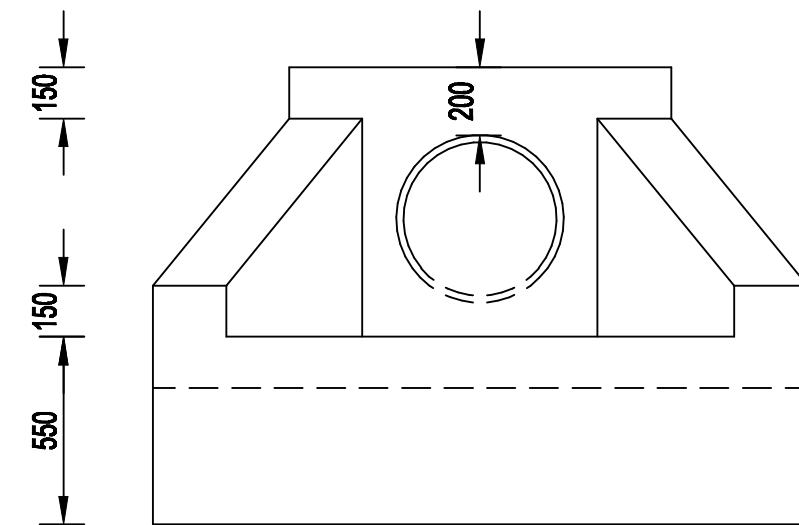
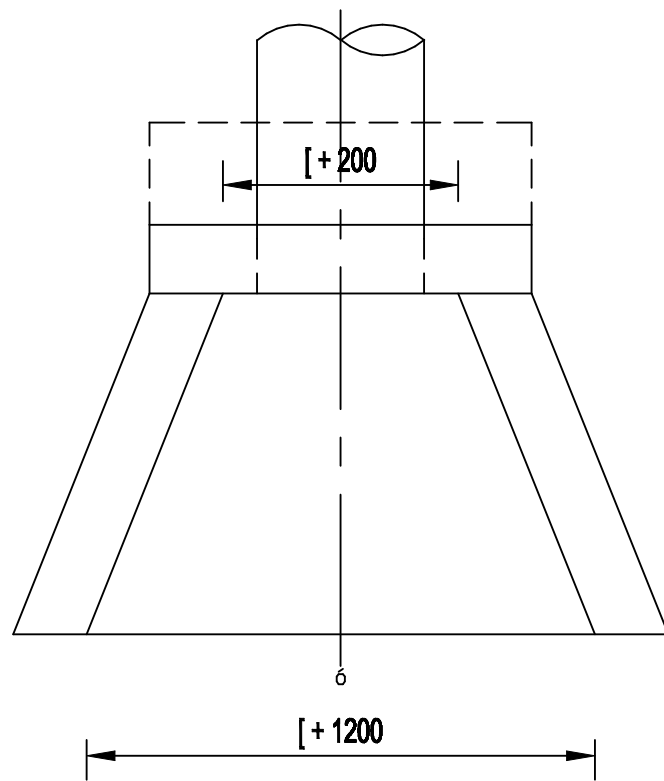
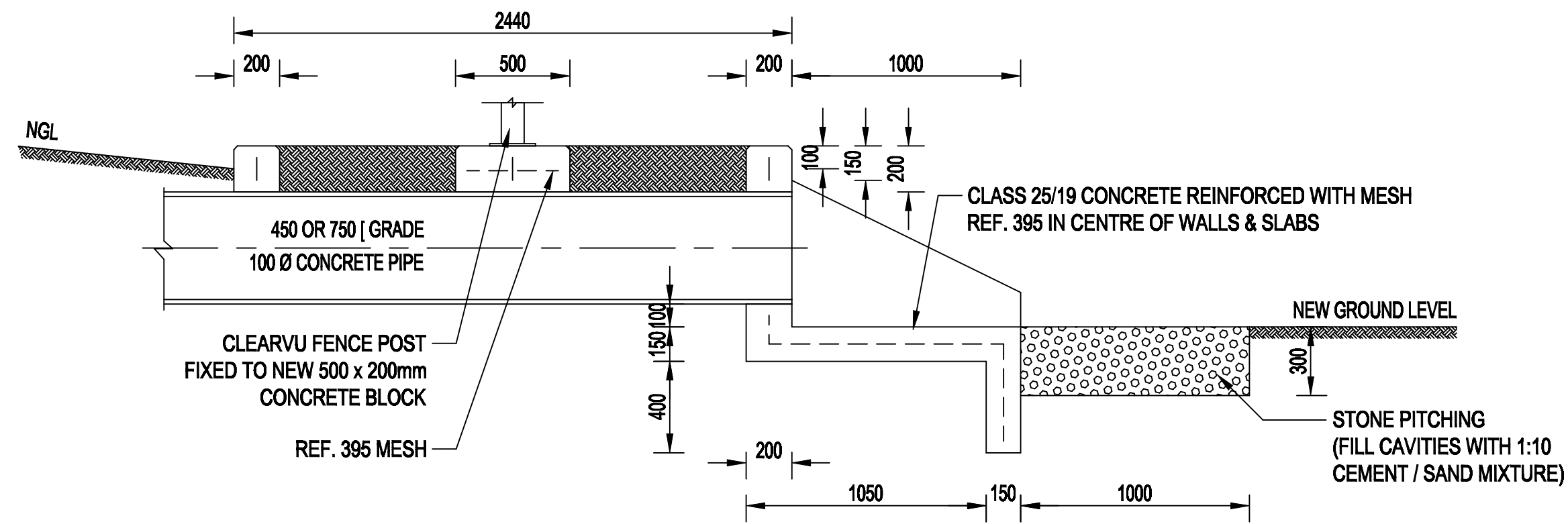
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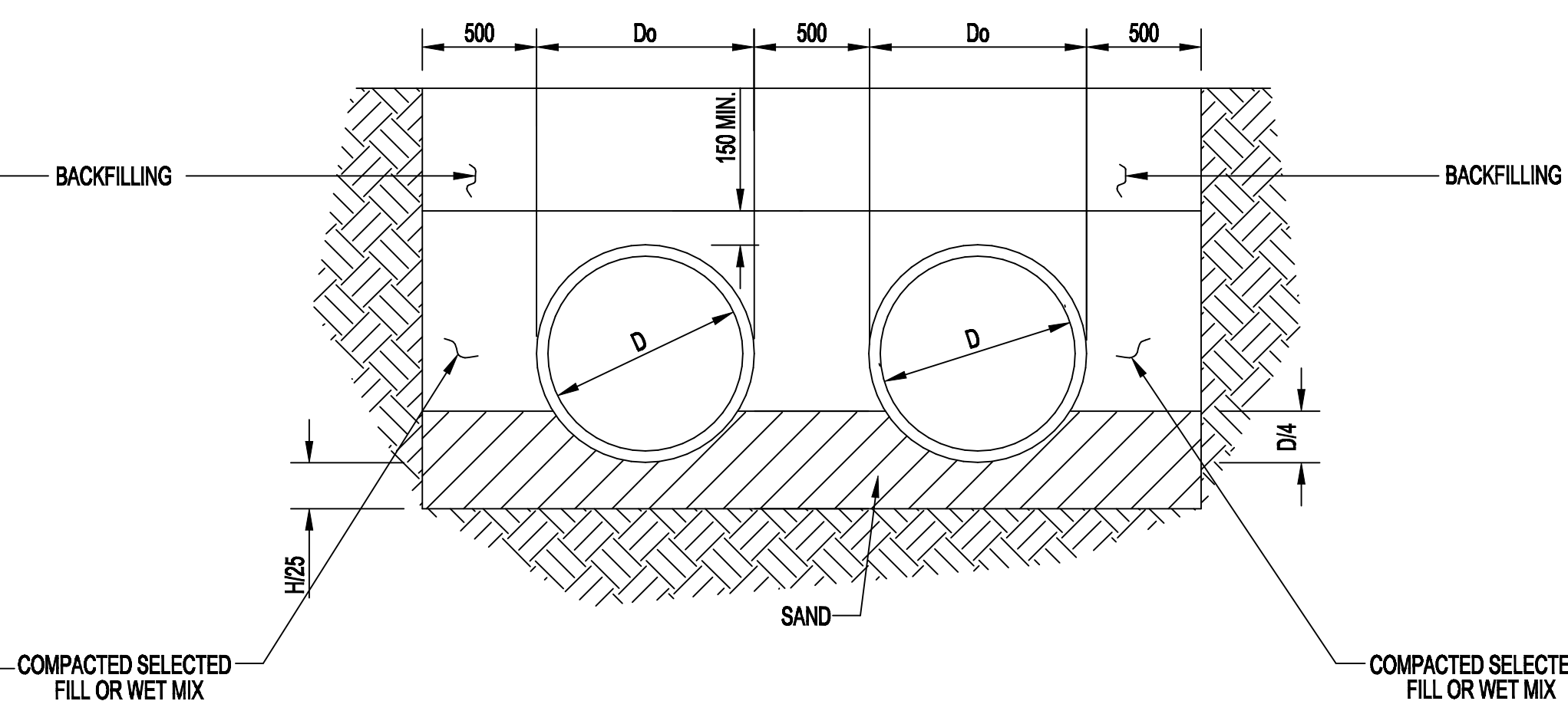
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Scale 1 : 50

Drawing No. NMCH-ARCH-500	Sheet 5 of 12	Rev. 0
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CLASS B BEDDING
ON SOFT MATERIAL
NTS.



CLASS B BEDDING
ON ROCK
NTS.

STORMWATER PIPE BEDDING DETAILS

CLIENT



NQUTHU LOCAL MUNICIPALITY

FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



Reflective Thinkings (Pty) Ltd

66 Wren way
Yellowwood Park
Durban
4004

Tel No.: 031 462 6358
Fax No.: 031 462 7915

DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1

PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	
APPROVAL - CONSULTANT		
NAME	MD SHANGASE	SIGNATURE
DATE	10 AUG 2023	PROFESSIONAL REG No. PSAT 24791103

SCALE	AS SHOWN	SHEET SIZE	A1
Drawing No.		Sheet	Rev.

CONSTRUCTION INFORMATION			
MAINLAYER			
START DATE			
FINISH DATE			
WFO NUMBER			
LEVEL OF SERVICE			
SUPERVISOR NAME			
CONTACT NUMBER			
DATE SENT TO GIS			
GIS INFORMATION			
DATE RECEIVED			
NAME			

Rev. No.	Date	Description	Drawn

NOTE: No construction work to commence until land and service acquisitions have been completed.

One	Engineer
UNDERGROUND SERVICES CHECKED -	
SERVICE	SIGNATURE
S.W DRAINS	
SEWERS	
WATERMANS	
TELECOM CABLES	
ELECTRIC CABLES	
S.A.R CABLES	
S.S.C CABLES	
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Contract No.

Project No. RT 19.02

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

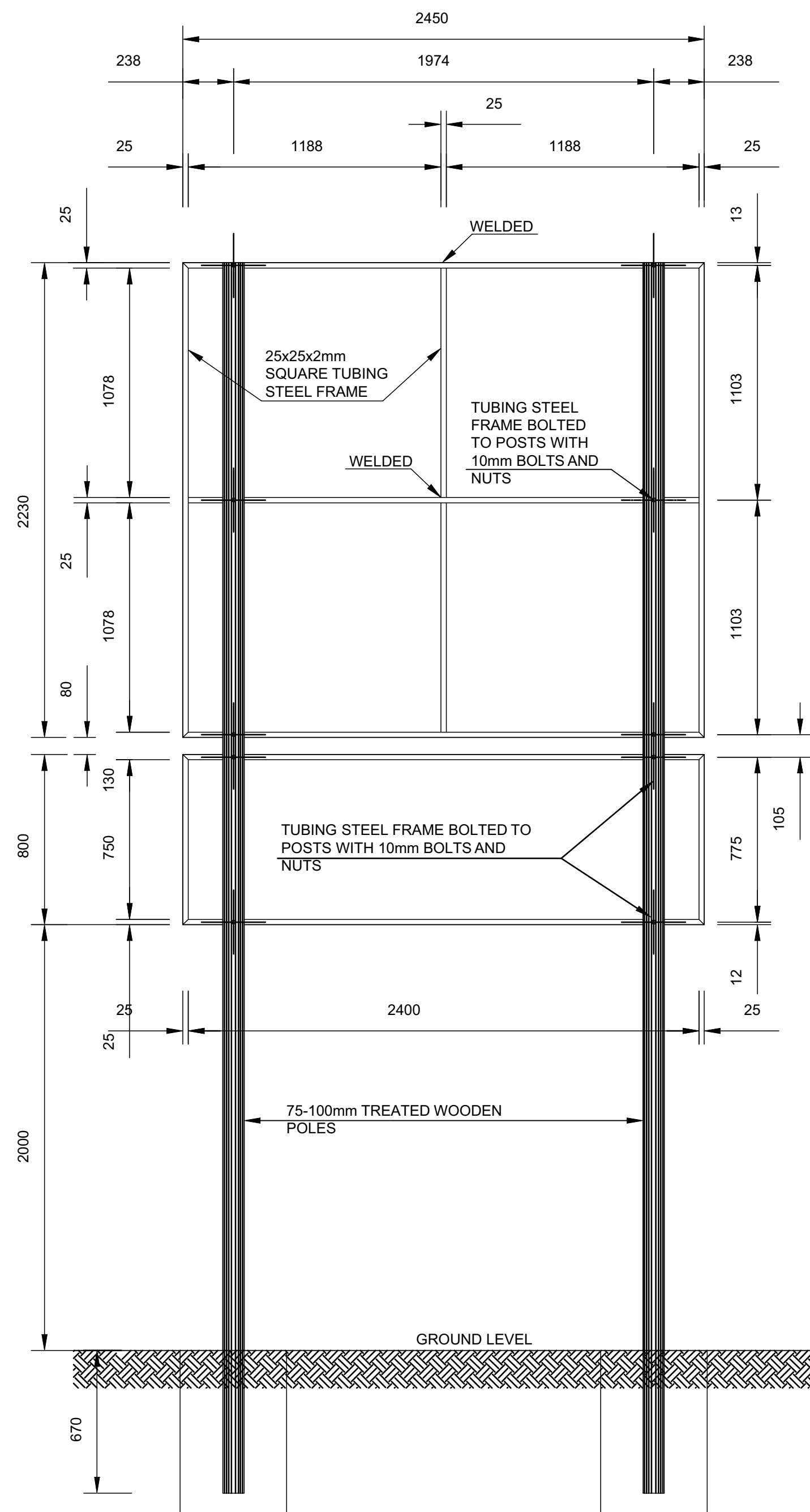
Project Title

CONSTRUCTION OF NEW
NHLAMBAMKHOSI
COMMUNITY HALL

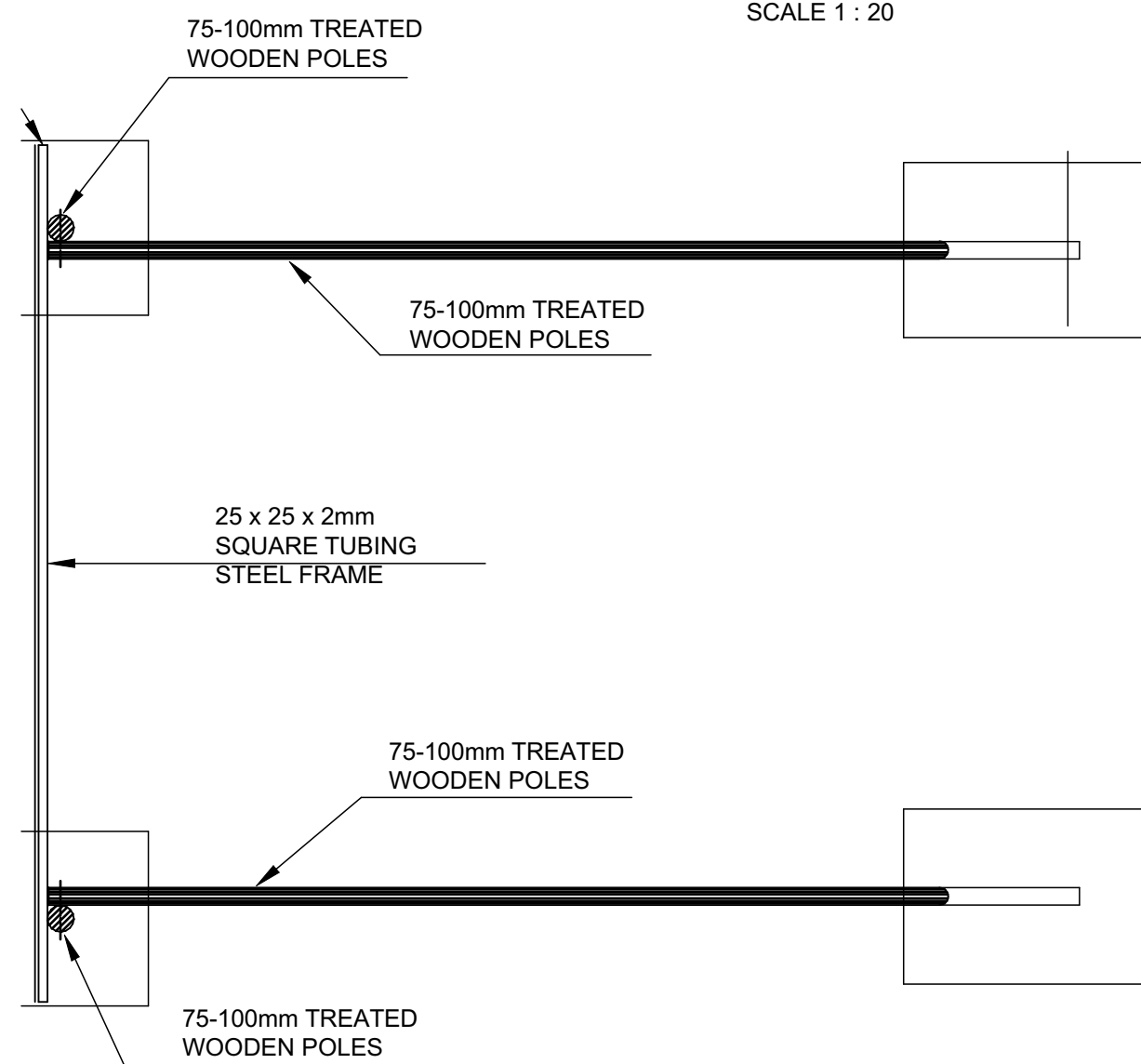
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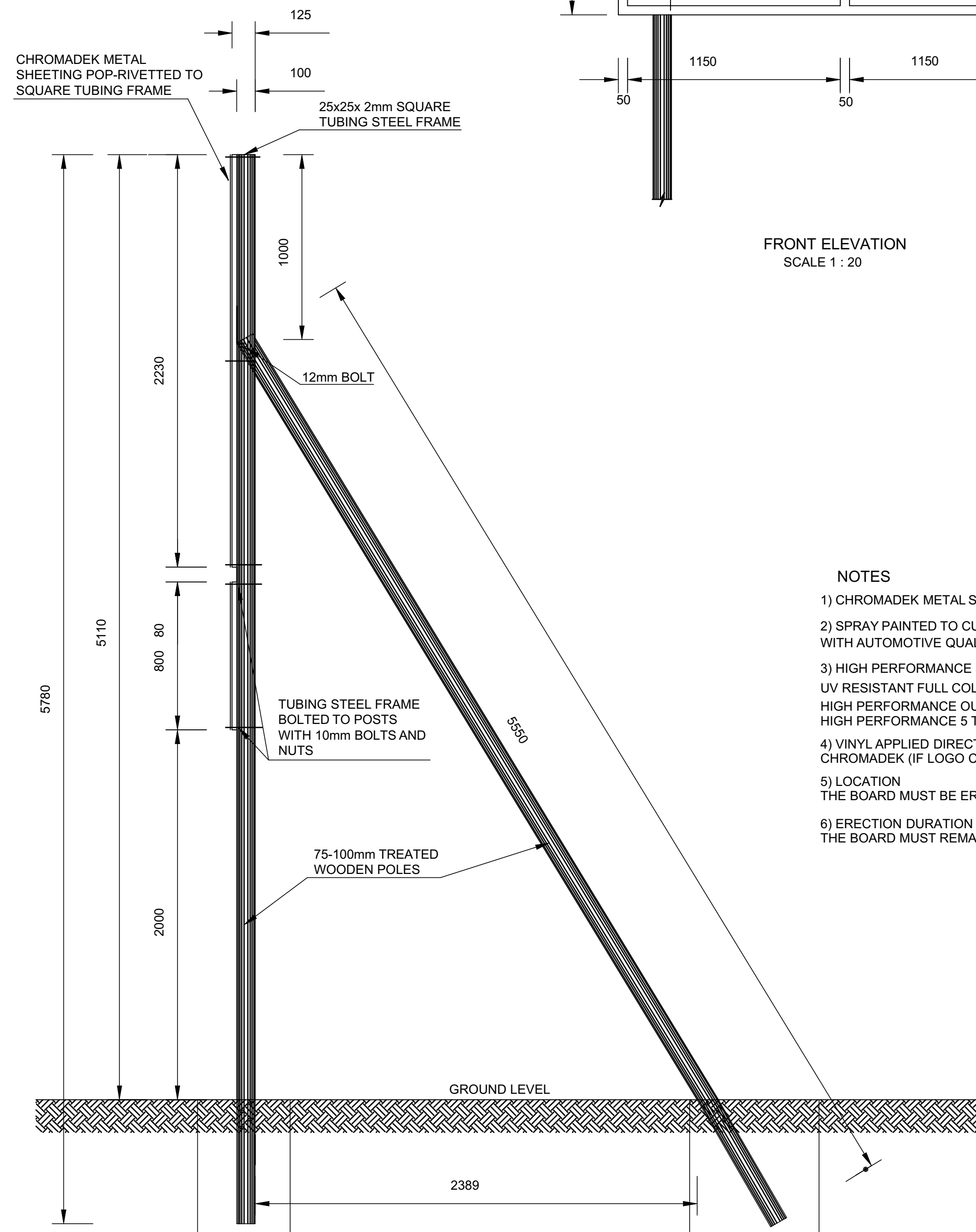
Drawing No.	Sheet	Rev.
NMCH-ARCH-600	6 of 12	0



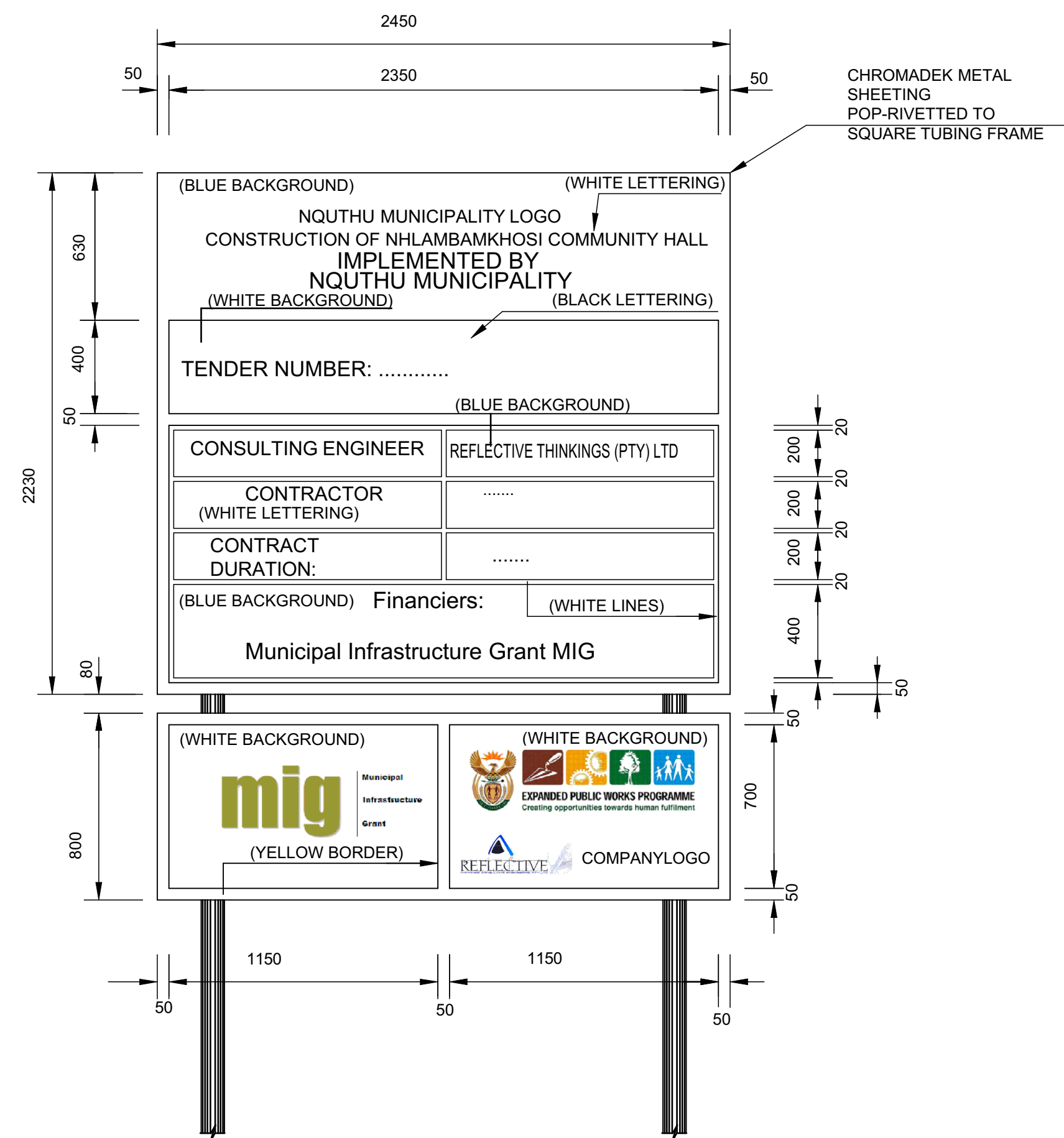
BACK ELEVATION
SCALE 1 : 20



PLAN
SCALE 1 : 20



SIDE ELEVATION
SCALE 1 : 20



FRONT ELEVATION
SCALE 1 : 20

NOTES

- 1) CHROMADEK METAL SHEETING (RUST RESISTANT METAL)
- 2) SPRAY PAINTED TO CUSTOMER'S SPECIFICATIONS WITH AUTOMOTIVE QUALITY DUCO PAINT WORDING
- 3) HIGH PERFORMANCE 5 TO 7 YEAR OUTDOOR QUALITY VINYL LOGOS UV RESISTANT FULL COLOUR THERMAL PRINT ONTO A HIGH PERFORMANCE OUTDOOR GRADE VINYL SUBSTRATE OR HIGH PERFORMANCE 5 TO 7 YEAR OUTDOOR QUALITY
- 4) VINYL APPLIED DIRECTLY TO THE PREPARED CHROMADEK (IF LOGO CONSISTS OF FLAT COLOURS)
- 5) LOCATION THE BOARD MUST BE ERECTED AT THE ENTRANCE TO THE CONSTRUCTION SITE
- 6) ERECTION DURATION THE BOARD MUST REMAIN UNTIL THE END OF THE DEFECTS LIABILITY PERIOD

CLIENT



NQUTHU LOCAL MUNICIPALITY

FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



Reflective Thinkings (Pty) Ltd

66 Wren way
Yellowwood Park
Durban
4004

Tel No.: 031 462 6358
Fax No.: 031 462 7915

DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1

PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	
APPROVAL - CONSULTANT		
NAME	MD SHANGASE	SIGNATURE
DATE	10 AUG 2023	PROFESSIONAL REG No.: PSAT 24791103

SCALE	AS SHOWN	SHEET SIZE	A1
Drawing No.		Sheet	Rev.

CONSTRUCTION INFORMATION			
MAINLAYER			
START DATE			
FINISH DATE			
WFO NUMBER			
LEVEL OF SERVICE			
SUPERVISOR NAME			
CONTACT NUMBER			
DATE SENT TO GIS			
GIS INFORMATION			
DATE RECEIVED			
NAME			

Rev. No.	Date	Description	Drawn
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NOTE: No construction work to commence until land and servitude acquisitions have been completed.

Date :		Engineer :	
UNDERGROUND SERVICES CHECKED -			
SERVICE	DATE	SIGNATURE	
S.W DRAINS		}	
SEWERS			
WATERMANS			
TELKOM CABLES		}	
ELECTRIC CABLES			
S.A.R CABLES			
E.S.C CABLES			
OIL PIPE LINE			

NOTE: Only underground services affected by new construction are shown. Care must be taken during excavations for road foundations, trenches etc., to avoid damage to underground services such as sewers, drains, cables, water mains and connections. Wherever possible these must be located before work begins.

Contract No.

Project No. RT 19.02

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

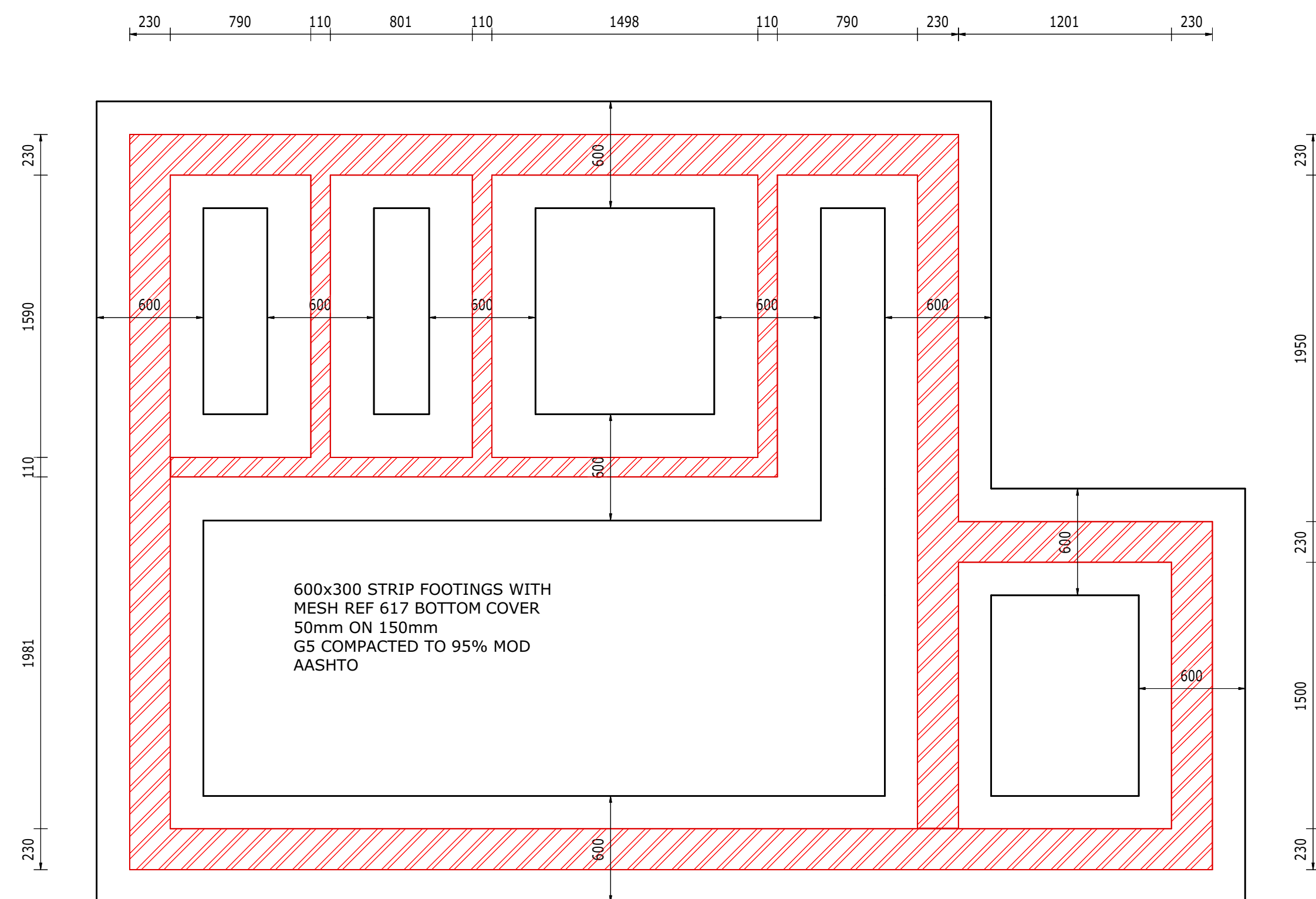
Project Title

CONSTRUCTION OF NEW
NHLAMBAMKHOSI
COMMUNITY HALL

Drawing Title

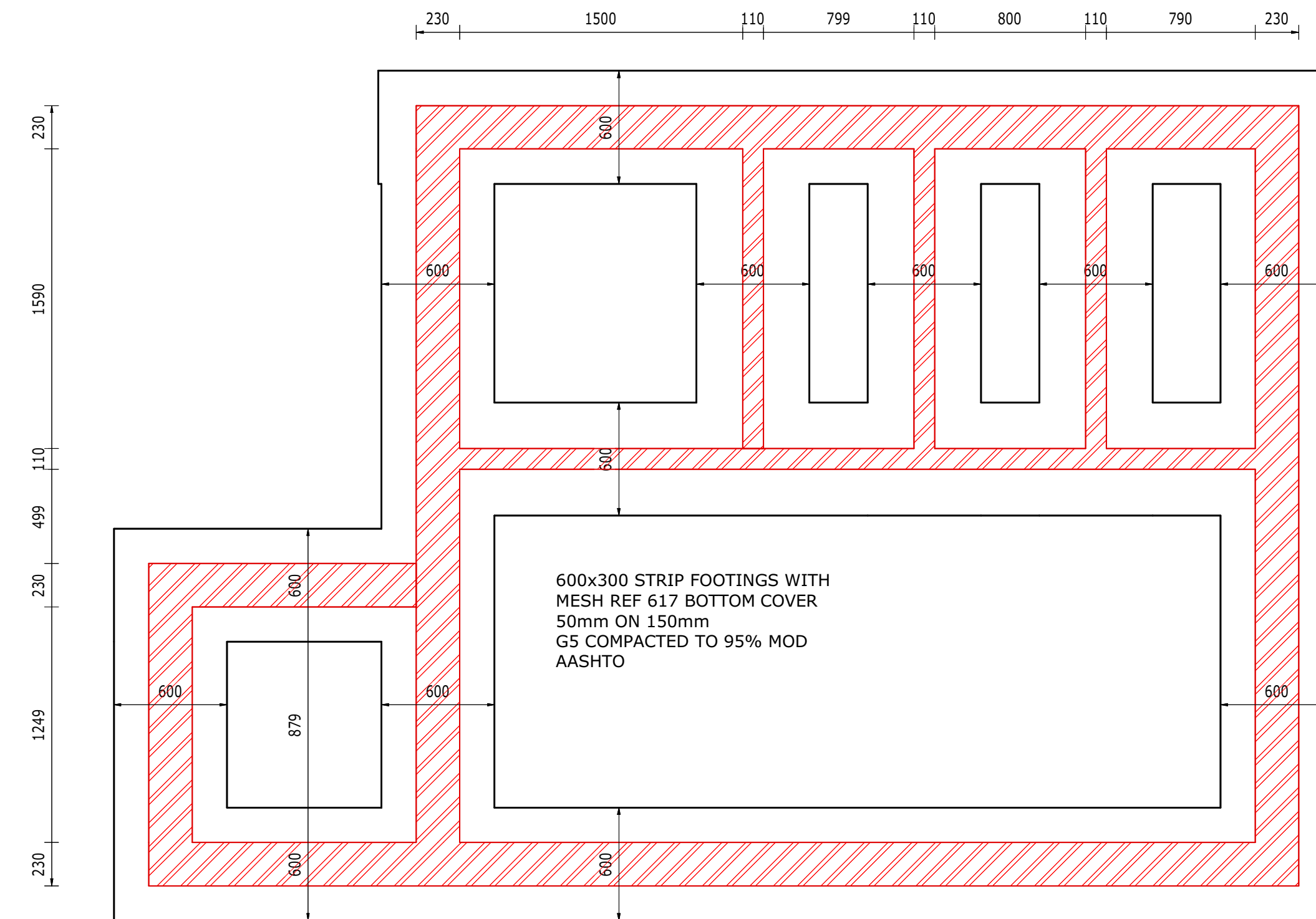
SIGN BOARD

Drawing No.	Sheet	Rev.
NMCH-ARCH-700	7 of 12	0



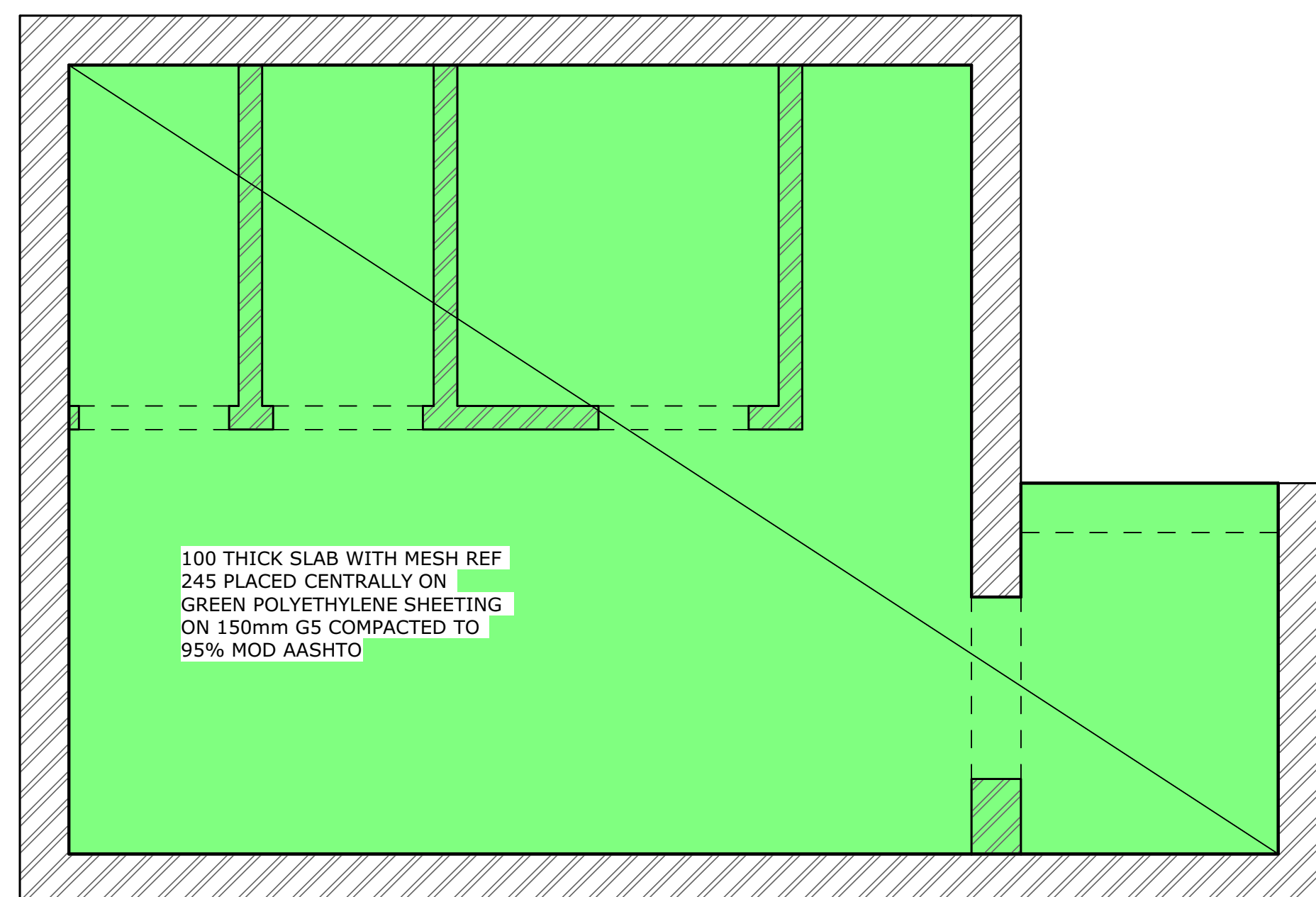
1 MALE ABLUTIONS FOUNDATIONS

1 : 25



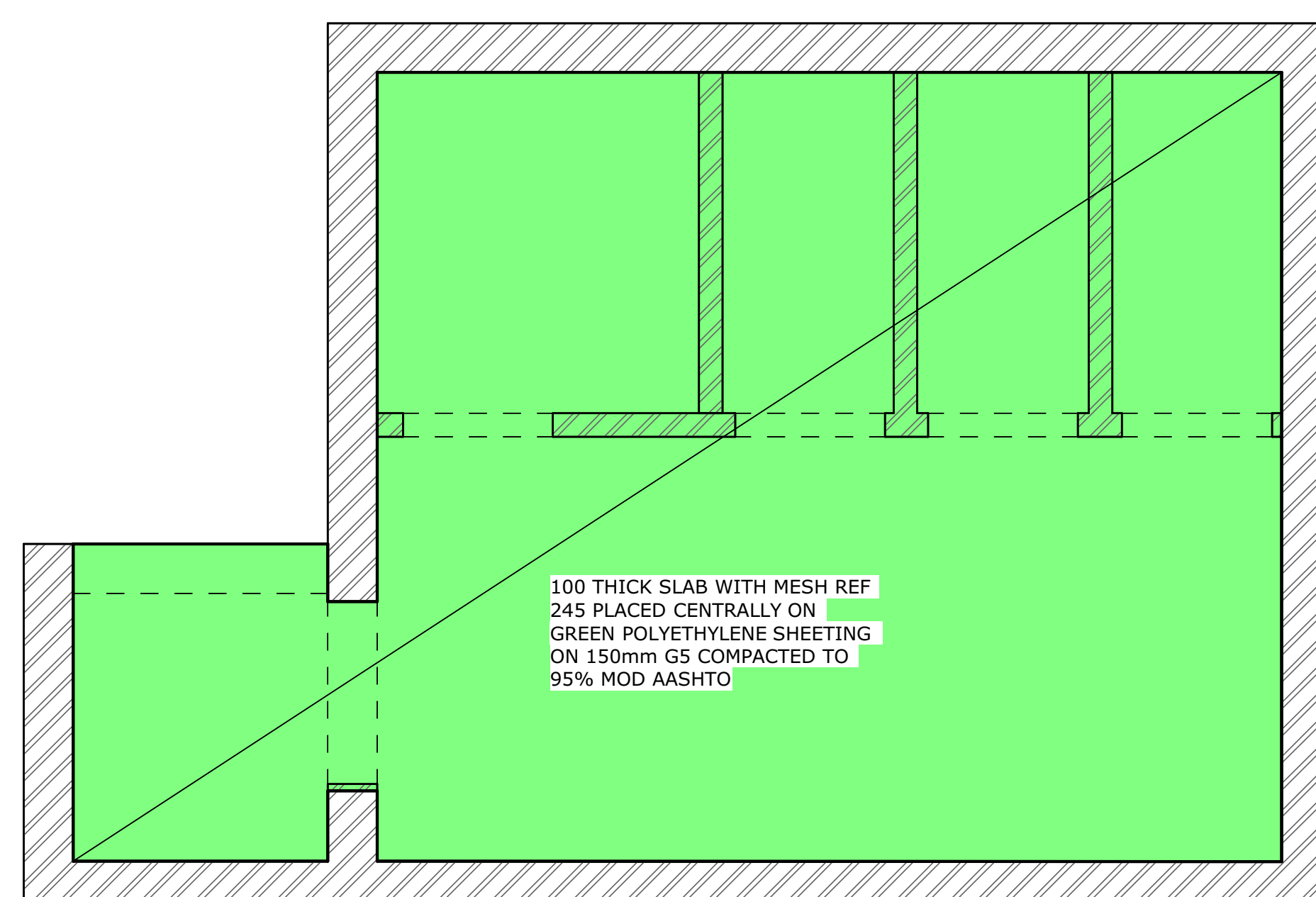
2 FEMALE ABLUTIONS FOUNDATIONS

1 : 25



3 MALE ABLUTIONS GROUND FLOOR

1 : 25



4 FEMALE ABLUTIONS GROUND FLOOR

1 : 25

CLIENT



NQUTHU LOCAL MUNICIPALITY

FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



Reflective Thinkings (Pty) Ltd

66 Wren way
Yellowwood Park
Durban
4004

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Fax No.: 031 462 7915

DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1

PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	
APPROVAL - CONSULTANT		
NAME	MD SHANGASE	SIGNATURE
DATE	10 AUG 2023	PROFESSIONAL REG No.: PSAT 24791103

SCALE	SHEET SIZE
AS SHOWN	A1
Drawing No.	Sheet
	Rev.

CONSTRUCTION INFORMATION			
MAINLAYER			
START DATE			
FINISH DATE			
WFO NUMBER			
LEVEL OF SERVICE			
SUPERVISOR NAME			
CONTACT NUMBER			
DATE SENT TO GIS			
GIS INFORMATION			
DATE RECEIVED			
NAME			

Rev. No.	Date	Description	Drawn
----------	------	-------------	-------

NOTE: No construction work to commence until land and servitude acquisitions have been completed.

Acquisitions completed:

Date: _____ Engineer: _____

UNDERGROUND SERVICES CHECKED -			
SERVICE	DATE	SIGNATURE	
S.W DRAINS			
SEWERS			
WATERMANS			
TELECOM CABLES			
ELECTRIC CABLES			
S.A.R CABLES			
S.S.C CABLES			
OIL PIPE LINE			

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Contract No.

Project No. **RT 19.02**

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

Project Title

CONSTRUCTION OF NEW

NHLAMBAMKHOSI

COMMUNITY HALL

Drawing Title

ABLUTION BLOCK SLAB

DETAIL

Drawing No.

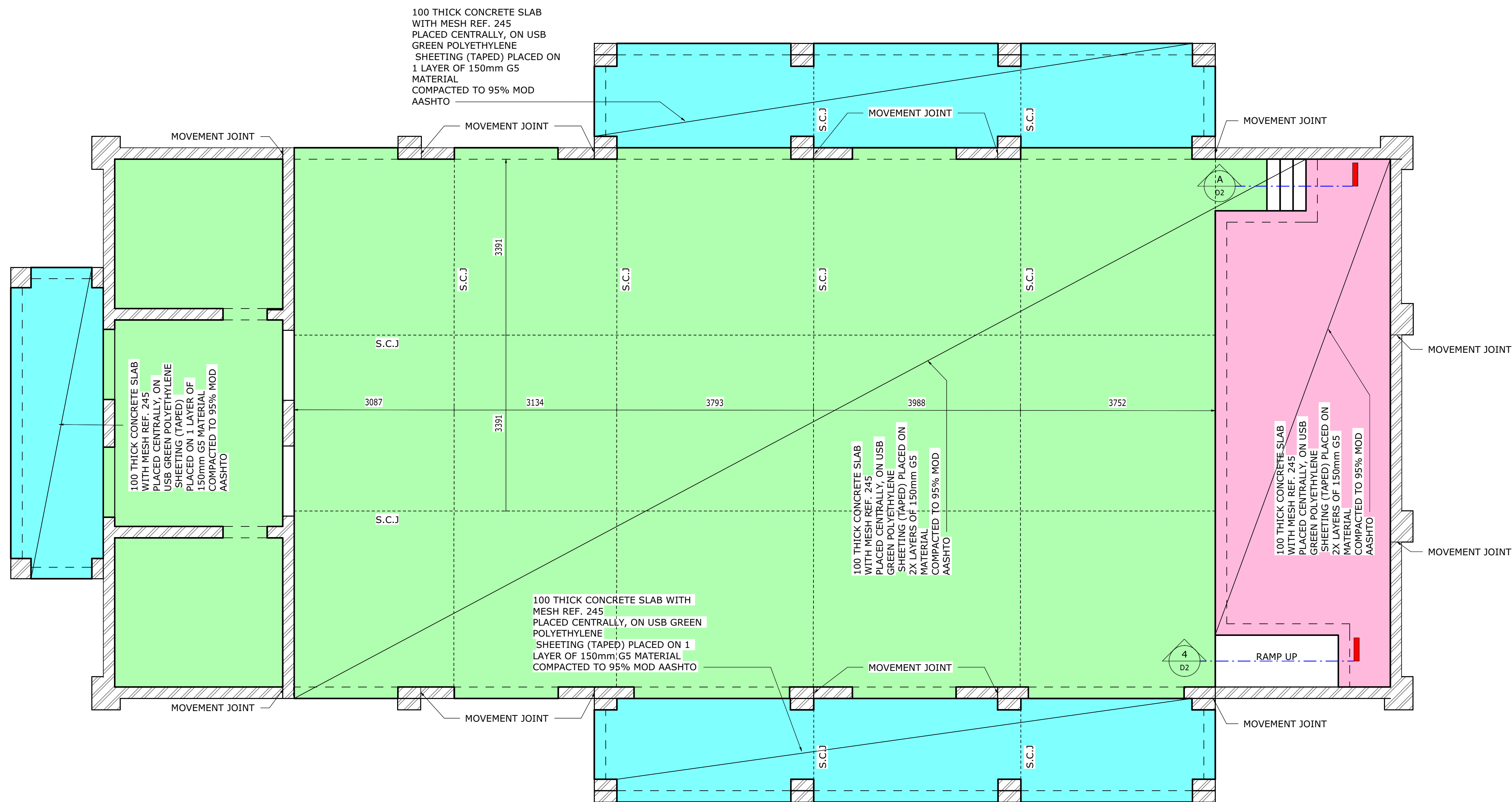
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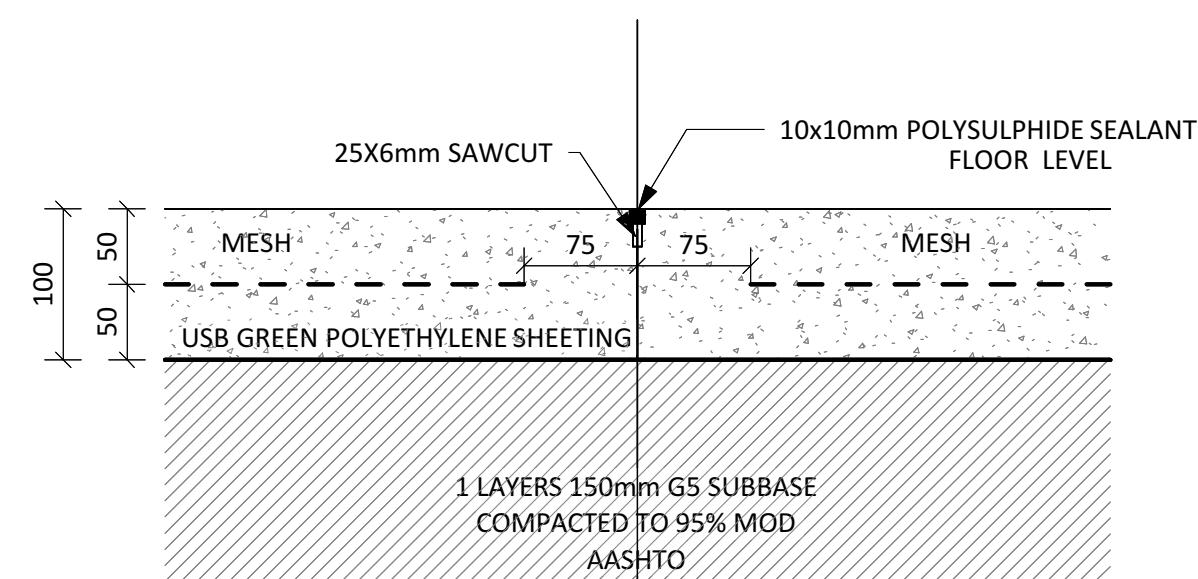
8 of 12

Rev.

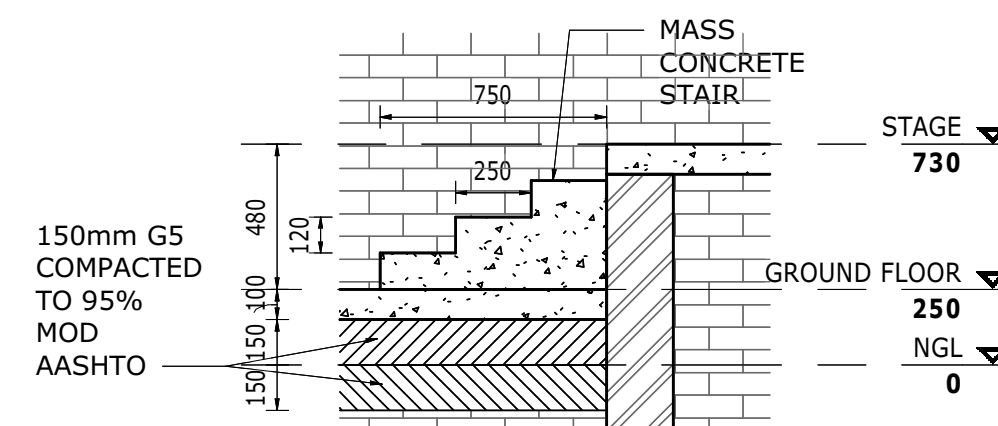
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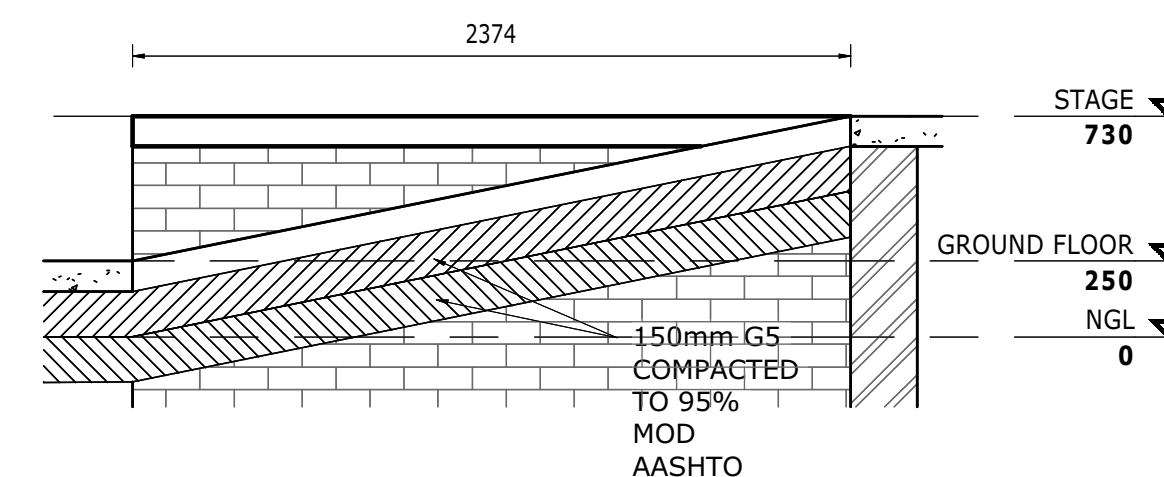
1 GROUND FLOOR
1 : 50



2 SAW CUT JOINT DETAIL
1 : 5




A SECTION A - STAIR
1 : 25



4 SECTION B - RAMP
1 : 25

CLIENT



NQUTHU LOCAL MUNICIPALITY


FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



Reflective Thinkings (Pty) Ltd

66 Wren way
Yellowwood Park
Durban
4004

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Fax No.: 031 462 7915


DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1

PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	

APPROVAL - CONSULTANT

NAME: MD SHANGASE SIGNATURE: 

DATE: 10 AUG 2023 PROFESSIONAL REG NO.: PSAT 24791103

SCALE: AS SHOWN SHEET SIZE: A1

Drawing No.	Sheet	Rev.

CONSTRUCTION INFORMATION

MAINLAYER

START DATE

FINISH DATE

W/O NUMBER

LEVEL OF SERVICE

SUPERVISOR NAME

CONTACT NUMBER

DATE SENT TO GIS

GIS INFORMATION

DATE RECEIVED

NAME

Rev. No. Date Description Drawn

NOTE: No construction work to commence until land and servitude acquisitions have been completed.

Acquisitions completed:

Date: _____ Engineer: _____

UNDERGROUND SERVICES CHECKED -

SERVICE	DATE	SIGNATURE
S.W DRAINS		
SEWERS		
WATERMANS		
TELKOM CABLES		
ELECTRIC CABLES		
S.A.R CABLES		
E.S.C CABLES		
OIL PIPE LINE		

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Contract No.

Project No. **RT 19.02**

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

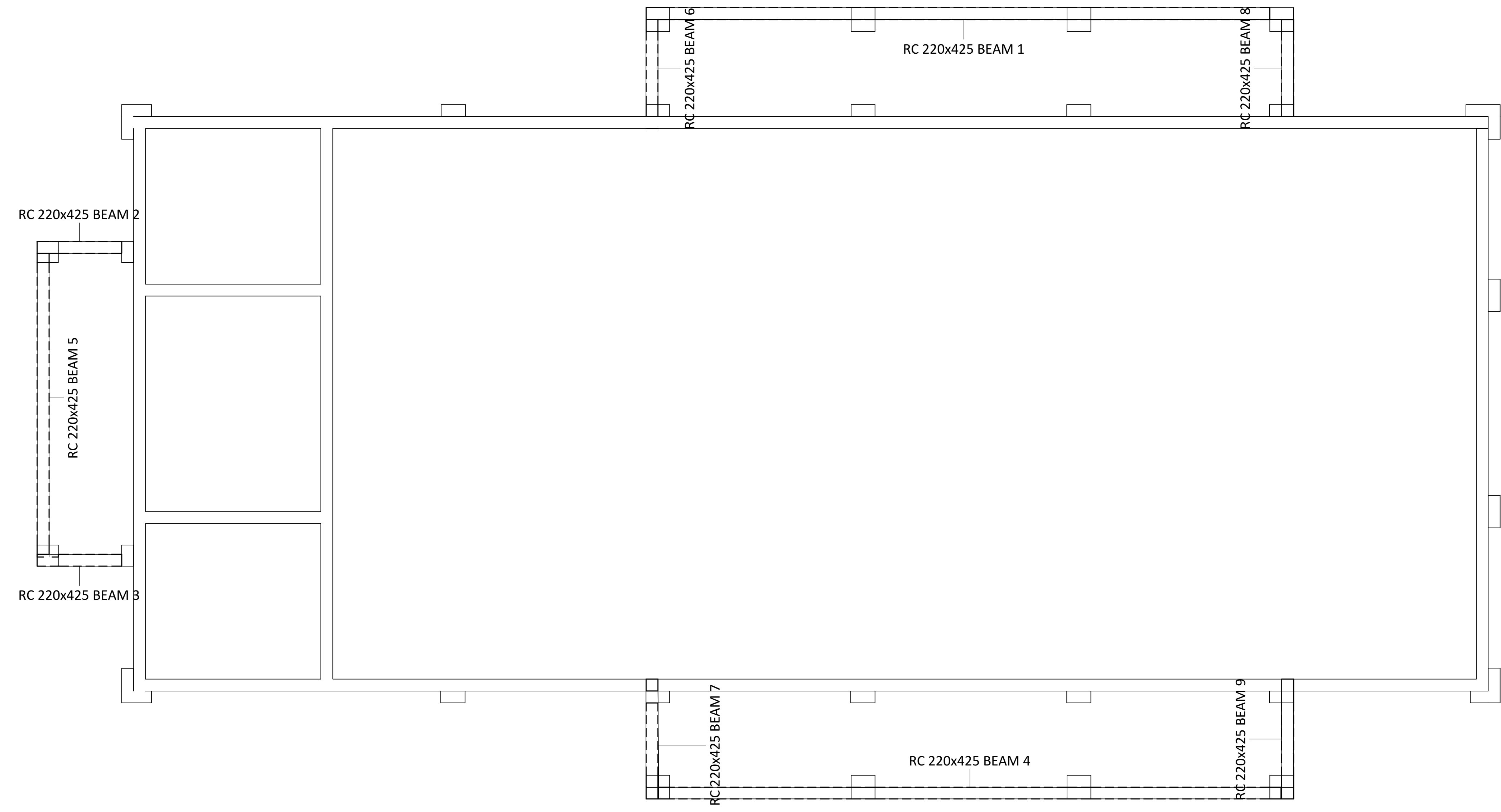
Project Title

CONSTRUCTION OF NEW NHLAMBAMKHOSI COMMUNITY HALL

Drawing Title


MAIN HALL SLAB DETAIL

Drawing No.	Sheet	Rev.
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1 WALLPLATE
1 : 50

CLIENT



NQUTHU LOCAL MUNICIPALITY

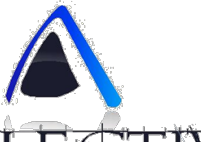
FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

DESIGN CONSULTANT



REFLECTIVE

Reflective Thinkings (Pty) Ltd

66 Wren way
Yellowwood Park
Durban
4004

Tel No.: 031 462 6358
Fax No.: 031 462 7915


DRAWING ISSUED FOR : APPROVAL

NBR OCCUPANCY CLASS : A1

PLACE OF ASSEMBLY

FUNCTION	NAME	SIGNATURE
DESIGNED BY	MD SHANGASE	
DRAWN BY	MD SHANGASE	
DESIGN CHECKED BY	SB MANYONI	
DRAWING CHECKED BY	N MKHIZE	

APPROVAL - CONSULTANT

NAME MD SHANGASE SIGNATURE 

DATE 10 AUG 2023 PROFESSIONAL REG No. PSAT 2479110

SCALE	SHEET SIZE	
AS SHOWN	A1	
Drawing No.	Sheet	Rev.

CONSTRUCTION INFORMATION

MAINLAYER	
START DATE	
FINISH DATE	
WFO NUMBER	
LEVEL OF SERVICE	
SUPERVISOR NAME	
CONTACT NUMBER	
DATE SENT TO GIS	
GIS INFORMATION	
DATE RECEIVED	
NAME	

Rev. No.	Date	Description	Drawn

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UNDERGROUND SERVICES CHECKED -		
SERVICE	DATE	SIGNATURE
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SEWERS		
WATERMANS		
TELEKOM CABLES		
ELECTRIC CABLES		
S.A.R CABLES		
E.S.C CABLES		
OIL PIPE LINE		

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Contract No.

Project No. RT 19.02

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

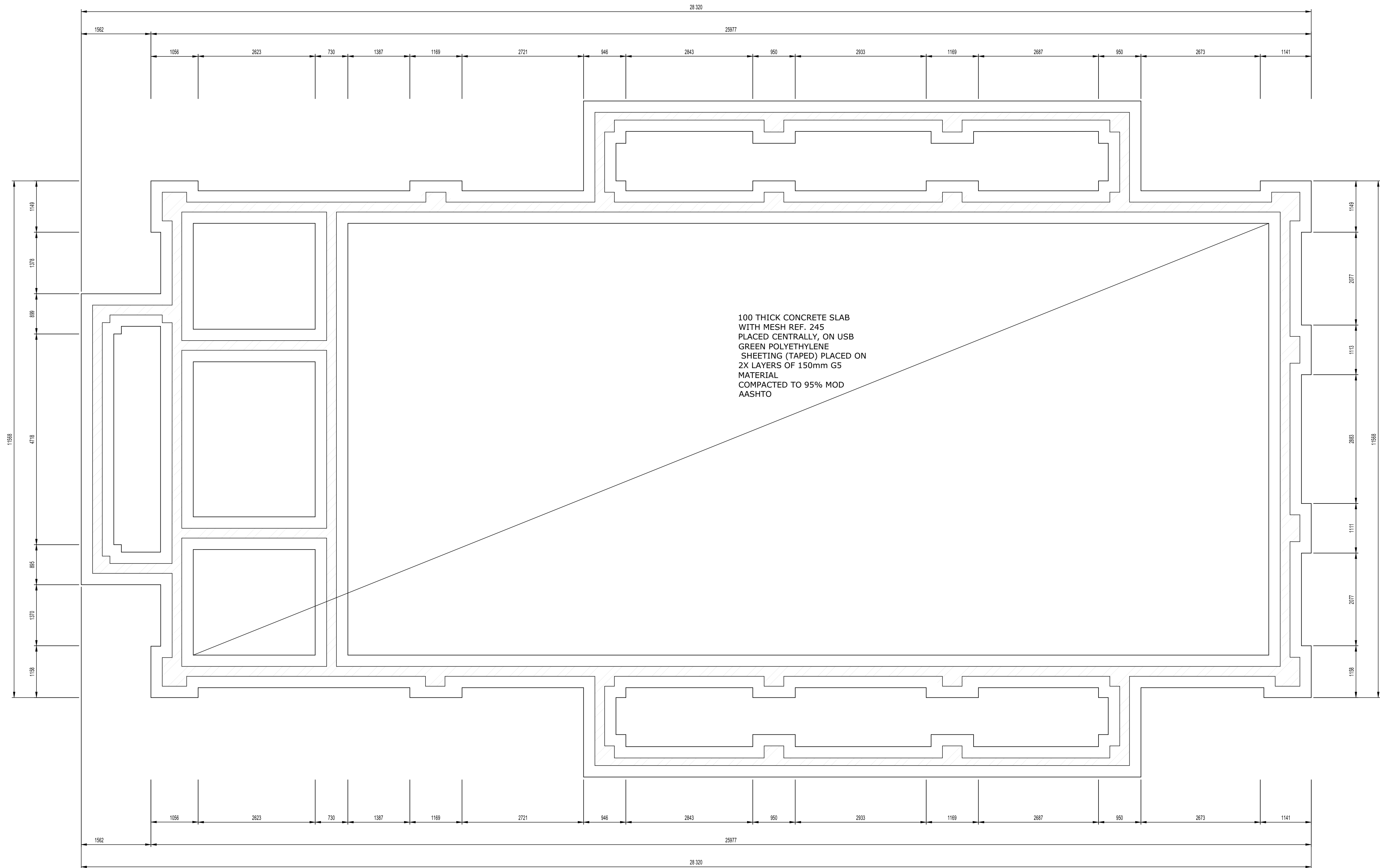
Project Title

CONSTRUCTION OF NEW
NHLAMBAMKHOSI
COMMUNITY HALL

Drawing Title

WALL PLATE PLAN

Drawing No.	Sheet	Rev.
NMCH-ARCH-1000	10 of 12	0



FOUNDATION LAYOUT
SCALE 1:50

CLIENT



NQUTHU LOCAL MUNICIPALITY

FOR TENDER

AREA SCHEDULE

SITE AREA	
PARKING AREA	
PERIMETER FENCE	
HALL BUILDING	
VIP ABLUTIONS	

PROPOSED CONCEPT DESIGN OPTION

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APPROVAL - CONSULTANT		
NAME	MD SHANGASE	SIGNATURE

SCALE	DATE	10	AUG	2023	PROFESSIONAL REG No.	PSAT 2479110
AS SHOWN	SHEET SIZE	A1				
Drawing No.	Sheet	Rev.				

CONSTRUCTION INFORMATION

MAINLAYER	
START DATE	
FINISH DATE	
W/O NUMBER	
LEVEL OF SERVICE	
SUPERVISOR NAME	
CONTACT NUMBER	
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DATE RECEIVED	
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Rev. No.	Date	Description	Drawn

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Acquisitions completed.

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UNDERGROUND SERVICES CHECKED -		
SERVICE	DATE	SIGNATURE
S.W DRAINS		
SEWERS		
WATERMANS		
TELKOM CABLES		
ELECTRIC CABLES		
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Contract No.

Project No. **RT 19.02**

Planning Unit

ARCHITECTURAL

Ward No.

WARD 4

Project Title

**CONSTRUCTION OF NEW
NHLAMBAMKHOSI
COMMUNITY HALL**

Drawing Title

HALL FOUNDATION LAYOUT

Drawing No.	Sheet	Rev.
NMCH-ARCH-1100	11 of 12	0

