



UBUHLEBEZWE MUNICIPALITY
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08
5CE or HIGHER

CSD REGISTRATION NO.: _____

BID NO: UBU-B-03/05/22

Name of Tenderer _____

Telephone Number _____

Fax Number _____

Address _____

Tender Sum _____

CIDB (CRS) No _____

THIS TENDER CLOSING AT **12H00**

AT PEACE INITIATIVE HALL, IXOPO
ON THE **01th OF JULY 2022**

NO LATE SUBMISSIONS WILL BE CONSIDERED

UBUHLEBEZWE MUNICIPALITY

P O Box 132

IXOPO

3276

Tel: (039) 834 7700

Fax: (039) 834 1168

PART A

INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF MUNICIPALITY/ MUNICIPAL ENTITY)					
BID NUMBER:	UBU-B-03/05/22	CLOSING DATE:	01 JULY 2022	CLOSING TIME:	12H00
DESCRIPTION	CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
Ubuhlebezwe Local Municipality					
29 Margaret Street					
Ixopo					
3276					
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS	TCS PIN:		OR	CSD No:	
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES, ANSWER PART B:3]	
TOTAL NUMBER OF ITEMS OFFERED			TOTAL BID PRICE	R	
SIGNATURE OF BIDDER			DATE		
CAPACITY UNDER WHICH THIS BID IS SIGNED					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			TECHNICAL INFORMATION MAY BE DIRECTED TO:		
DEPARTMENT	BTO department		CONTACT PERSON	Mr S.B. Mkhwanazi	
CONTACT PERSON	Ms S Sityata		TELEPHONE NUMBER	(039) 834 7700	
TELEPHONE NUMBER	(039) 834 7700		FACSIMILE NUMBER	(039) 834 1168	
FACSIMILE NUMBER	(039) 834 1168		E-MAIL ADDRESS	sbmkhwanazi@ubuhlebezwe.gov.za	
E-MAIL ADDRESS	ssityala@ubuhlebezwe.gov.za				

PART B

TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:										
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION. 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR ONLINE 1.3. THIS BID IS SUBJECT TO THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.										
2. TAX COMPLIANCE REQUIREMENTS										
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS. 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS. 2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA. 2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B: 3. 2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID. 2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER. 2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.										
3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS										
<table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?</td> <td style="width: 30%; text-align: right;">☐ YES ☐ NO</td> </tr> <tr> <td>3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA?</td> <td style="text-align: right;">☐ YES ☐ NO</td> </tr> <tr> <td>3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?</td> <td style="text-align: right;">☐ YES ☐ NO</td> </tr> <tr> <td>3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?</td> <td style="text-align: right;">☐ YES ☐ NO</td> </tr> <tr> <td>3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?</td> <td style="text-align: right;">☐ YES ☐ NO</td> </tr> </table> IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.	3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO	3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO	3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO	3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO	3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	☐ YES ☐ NO
3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO									
3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO									
3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO									
3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO									
3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	☐ YES ☐ NO									

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.
NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.**

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

DATE:

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

GENERAL TENDER INFORMATION

TENDER ADVERTISED	:	30 MAY 2022
CIDB CONTRACTOR GRADING	:	5CE or HIGHER
COMPULSORY CLARIFICATION MEETING	:	07 JUNE 2022
VENUE FOR CLARIFICATION MEETING	:	PEACE INITIATIVE HALL IXOPO 3276
CLOSING DATE	:	01 JULY 2022
CLOSING TIME	:	12H00
CLOSING VENUE	:	PEACE INITIATIVE HALL IXOPO 3276
INSTRUCTIONS	:	Bid submission must be submitted in a sealed envelope clearly marked “Bid name and Bid number” containing the Tender Documents (Completed in all respects including C.1.1 Form of Offer) plus any additional supporting documentation into the tender box.

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

Contents		
Number	Heading	Pages
The Tender		
Part T1: Tendering Procedures		
T1.1	Tender Notice and Invitation to Tender	4 - 5
T1.1.1	Locality plan: clarification meeting venue	6
T1.2	Tender Data	7- 40
Part T2: Tendering Documents		
T2.1	List of Returnable Documents	42
T2.2	Returnable Schedules	43-74
The Contract		
Part C1: Agreement and Contract Data		
C1.1	Form of Offer and Acceptance	76-83
C1.2	Contract Data	84 -91
C1.3	Tenderer's Direct Participation of Targeted Labour	92-94
C1.4	Tenderer's Direct Participation of Targeted Enterprises	95-97
C1.5	Pro-forma Performance Guarantee	98-101
C1.6	Occupational Health and Safety Agreement	102-104
Part C2: Pricing Data		
C2.1	Pricing Instructions	106-108
C2.2	Bill of Quantities	108-128
C3	SCOPE OF WORK	
	Table of Contents	129
C3.1	Description of Works	133
C4	PROJECT SPECIFICATION	194
C5	PARTICULAR SPECIFICATION	195
C5.1	Health and Safety	224
C5.2	Preferential Procurement Specification	224
C5.3	Environmental Management Plan	225
C6	SITE INFORMATION	
C6.1	Conditions on site	226
C6.2	Locality plan	227
C6.3	Contract notice board	228
C7	DRAWINGS	229

PART T1: TENDERING PROCEDURES

TENDER NOTICE AND INVITATION TO TENDER

29 Margaret Street
Ixopo
3276
Tel: 039 8347700
Email: mm@ubuhlebezwe.gov.za



Po Box 132
Ixopo
3276
Fax: 039 8341168
Webpage: www.ubuhlebezwe.gov.za

UBUHLEBEZWE MUNICIPALITY

INVITATION TO BID

Ubuhlebezwe Municipality invites suitable, qualified, and experienced service provider to provide services to the municipality.

PROJECT NAME	BID NUMBER	CIDB Grade	Compulsory Briefing session	AVAILABILITY OF TENDER DOCUMENTS	NON REFUNDABLE PRICE	CLOSING DATE
Construction of Xolani Vezi Sportsfield (W8)	UBU-B-03/05/22	5 CE or Higher	07 th June 2022 at 11h30 Venue: Highflats Hall	NB: Documents will be available from the 02 nd June 2022 at 10h00.	R 1 531.50 per doc. Cashier's Office,29 Margaret Street	01 st July 2022 at 12h00
Upgrade of Jolivet Sportsfield complex phase 2 outdoor gym (W7)	UBU-B-04/05/22	3 CE or Higher				
Construction of Plainhill Hall (W11)	UBU-B-05/05/22	4 GB or Higher	08 th June 2022 at 10h30 Venue: Peace Initiative Hall			
Construction of Madungeni Hall (W12)	UBU-B-06/05/22					
Construction of Nonkwenkweni Sportsfield (W3)	UBU-B-07/05/22	3 CE or Higher	09 th June 2022 at 10h30 Venue: Peace Initiative Hall			
Construction of Thubalethu Roads	UBU-B-08/05/22	4 CE or Higher	10 th June 2022 at 10h30 Venue: Peace Initiative Hall			
Supply and installation of tracker in Municipal vehicles (36 Months)(Re-advertisement)	UBU-B-03/02/22	N/A		NB: Documents will be available from the 07 th June 2022 at 10h00. Cut-off for EFT purchases:22 nd June 2022 Cut-off for purchase through our cashiers: 24 th June 2022		

The completed tender documents complying with the conditions of tender must be sealed and endorsed with **'BID DESCRIPTION AND BID NUMBER'** must be deposited in the tender box at the entrance of Peace Initiative Hall where bids will be opened in public. The name and address of the bidder must be clearly written on the sealed

envelope containing the bid.

Tender documents will also be available free of charge on www.etenders.gov.za and www.ubuhlebezwe.gov.za . Only tenderers with a complete printed tender document will be allowed to attend the briefing session. No document will be sold 30 minutes before the briefing session. No late comers will be allowed.

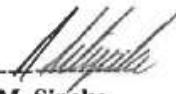
Enquiries regarding this notice may be directed as follows:

Attention: Thubalethu Roads, Jolivet Gym, Nonkwenkwana Sportsfield, Madungeni Hall, Plain Hill Hall, Xolani Vezi Sports field - Mr S B Mkhwanazi (sbmkhwanazi@ubuhlebezwe.gov.za), Tracker services – Ms P Luswazi (pluswazi@ubuhlebezwe.gov.za) and SCM related matters : Ms S Sityata(ssityata@ubuhlebezwe.gov.za)
Tel: 039 – 834 7700 Fax: 039 – 834 1168

The tender will be adjudicated via two stages of which the first stage will be functionality and the second stage will be pricing. Each bidder must score a minimum of 60% for functionality to be considered for the second stage of evaluation.

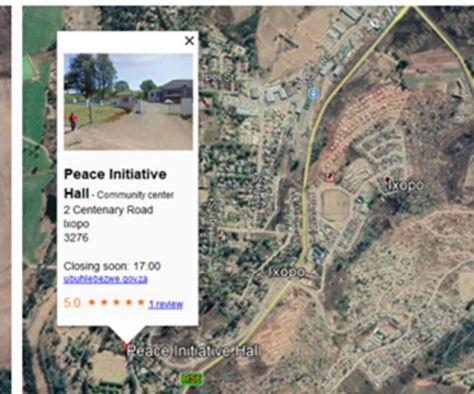
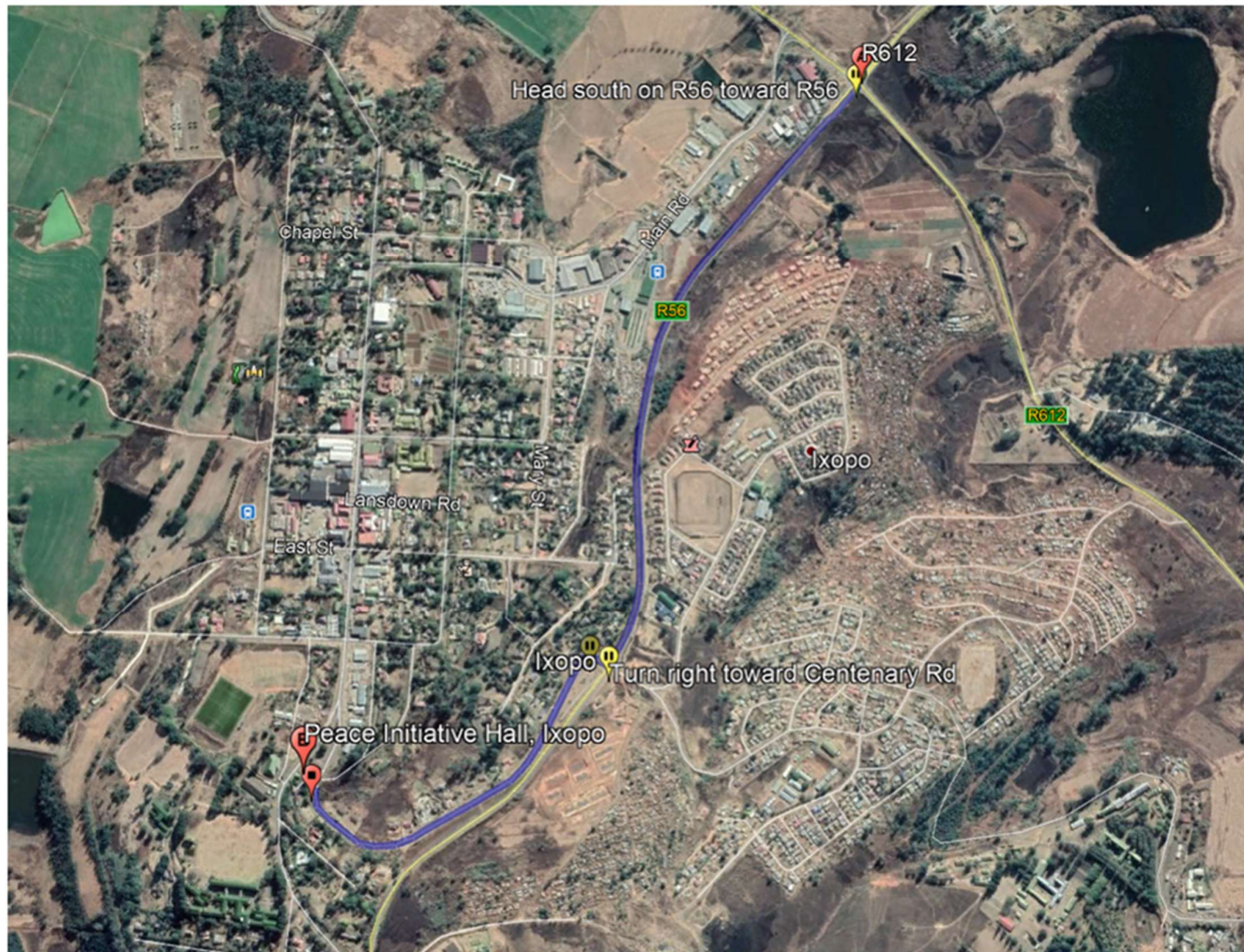
Late bids or bids received by way of post, facsimile or e-mail will, under no circumstances, be considered.

Bids shall be valid for a period of 90 days. The Ubuhlebezwe Local Municipality does not bind itself to accepting the lowest, or any bid, either wholly or in part or give any reason for such action. If the price offered by tenderer is not market related the municipality may not award the contract to that tenderer and may negotiate for market related price with the tenderer, failing which negotiate with the next preferred tenderer or the tender may be cancelled.

(PP) 
Mr. G.M. Sineke
Municipal Manager

T1.1.1 LOCALITY PLAN: CLARIFICATION MEETING VENUE

LOCALITY PLAN : Peace Initiative Hall, Ixopo.



DIRECTIONS FROM R612 –R56 intersection

A R56

1. Head **south** on **R56** toward **R56**
1.5 km
2. Turn **right** toward **Centenary Rd**
47 m
3. Continue onto **Centenary Rd**
850 m

B 2 Centenary Road

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

T1.2 TENDER DATA

T1.2.1 Standard Conditions of Tender

The conditions of tender are the Standard Conditions of Tender as contained in of Board Notice 136 of 2016 in Government Gazette No 38960 of 10 July 2016, Construction Industry Development Board (CIDB) Standard for Uniformity in Construction Procurement (see www.cidb.org.za). Annexure F and Table G1 of that notice are reproduced without amendment or alteration for the convenience of tenderers in the following pages:

F1. General

F 1.1. Actions

F 1.1.1 The employer and each Tenderer submitting a tender offer shall comply with these conditions of tender. 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, comply with all legal obligations and not engage in anticompetitive practices.

F 1.1.2 The employer and the Tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note:

- 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.
- 2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement

process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

- F 1.1.3. The employer shall not seek and a Tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

F 1.2. Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the tender data.

F 1.3 Interpretation

- F 1.3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

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

- F 1.3.3 For the purposes of these conditions of tender, the following definitions apply:

- a) conflict of interest means any situation in which :
 - i). someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;
 - ii). an individual or organisation is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
 - iii). incompatibility or contradictory interests exist between an employee and the organisation which employs that employee.
- b) comparative offer means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration.
- c) 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 in the tender process; and
- d) fraudulent practice means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to

establish prices at artificial levels

- e) organization means a company, firm, enterprise, association or other legal entity, whether incorporated or not, or a public body
- f) functionality means the totality of features and characteristics of a product or service that bear on its ability to satisfy stated or implied needs.

F 1.4 Communication and Employer's Agent

Each communication between the employer and a Tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a Tenderer. The name and contact details of the employer's agent are stated in the tender data.

F 1.5 Cancellations and Re-Invitation of Tenders

F 1.5.1 An organ of state may, prior to the award of the tender, cancel a tender if:

- a) due to changed circumstances, there is no longer a need for the services, works or goods requested; or
- b) funds are no longer available to cover the total envisaged expenditure; or
- c) no acceptable tenders are received.

F 1.5.2 The decision to cancel a tender must be published in the CIDB website and in the government Tender Bulletin for the media in which the original tender invitation was advertised.

F 1.6 Procurement Procedures

F 1.6.1 General

Unless otherwise stated in the tender data, a contract will, subject to F.3.13 be concluded with the Tenderer who in terms of F.3.11 is the highest ranked or the Tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

F 1.6.2. Competitive Negotiation Procedure

F 1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be in the first round of submissions. Notwithstanding the requirements of F.3.4, the employer shall announce only the names of the Tenderers who make a

submission. The requirements of F.3.8 relating to the material deviations or qualifications which affect the competitive position of Tenderers shall not apply.

- F 1.6.2.2 All responsive Tenderers, or not less than three responsive Tenderers that are highest ranked in terms of the evaluation method and evaluation criteria stated in the tender data, shall be invited in each round to enter into competitive negotiations, based on the principle of equal treatment and keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of F.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a Tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.
- F 1.6.2.3. At the conclusion of each round of negotiations, Tenderers shall be invited by the employer to make a fresh tender offer, based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.
- F 1.6.2.4. The contract shall be awarded in accordance with the provisions of F.3.11 and F.3.13 after Tenderers have been requested to submit their best and final offer.

F 1.6.3. Proposal Procedure Using the Two-Stage System

F 1.6.3.1. Option 1

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the Tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

F 1.6.3.2. Option 2

- F 1.6.3.2.1. Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive Tenderers to submit tender offers in the second stage, following the issuing of procurement documents.
- F 1.6.3.2.2. The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data, and award the contract in terms of these conditions of tender.

F.2 TENDERER'S OBLIGATIONS

F 2.1. Eligibility

F 2.1.1. Submit a tender offer only if the Tenderer satisfies the criteria stated in the tender data and the Tenderer, or any of his principals, is not under any restriction to do business with the employer.

F 2.1.2. Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the Tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

F 2.2. Cost of Tendering

F 2.2.1 Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

F 2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

F 2.3. Check Documents

Check the tender 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 all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

F 2.5. Reference Documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but

which are incorporated into the tender documents by reference.

F 2.6. Acknowledge Addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

F 2.7. Clarification Meeting

Attend, where required, a clarification meeting at which Tenderers may familiarise themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

F 2.8. Seek Clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five working days before the closing time stated in the tender data.

F 2.9. Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might 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 Tender Offer

F 2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except Value Added Tax (VAT), and other levies payable by the successful Tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the tender data.

F 2.10.2 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 tender data. The conditions of contract identified in the Contract Data may provide for part payment in other currencies.

F 2.11 Alterations to Documents

Do not make any alterations or additions to the tender 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.

F 2.12 Alternative Tender Offers

- F 2.12.1 Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.
- F 2.12.2 Accept that an alternative tender offer may be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.
- F 2.12.3 An alternative tender offer may only be considered in the event that the main tender offer is the winning tender.

F 2.13 Submitting a Tender Offer

- F 2.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the Contract Data and described in the Scope of Works, unless stated otherwise in the tender data.
- F 2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.
- F 2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender 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 tender data. The employer will hold all authorized signatories liable on behalf of the Tenderer. Signatories for Tenderers 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 tender offer.
- F 2.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as

well as the Tenderer's name and contact address.

- F 2.13.6 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender 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 Tenderer's name and contact address.
- F 2.13.7 Seal the original tender 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 tender data.
- F 2.13.8 Accept that the employer shall not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.
- F 2.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

F 2.14 Information and Data to be Completed in all Respects

Accept that tender 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 receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.
- F 2.15.2 Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

F 2.16 Tender Offer Validity

- F 2.16.1 Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.
- F 2.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period, with or without any conditions attached to such extension.

F 2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted.

F 2.16.4 Where a tender submission is to be substituted, submit a substitute tender in accordance with the requirements of F.2.13 with the packages clearly marked as "SUBSTITUTE".

F 2.17 Clarification of Tender Offer after Submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of Tenderers or substance of the tender offer is sought, offered, or permitted.

Note: Sub-clause F.2.17 does not preclude the negotiation of the final terms of the contract with a preferred Tenderer following a competitive selection process, should the Employer elect to do so.

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 tender offer, the Tenderer's commercial position (including notarized joint venture agreements), preference arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the Tenderer not provide the material, or a 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 tender offer as nonresponsive.

F 2.18.2 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 tender data.

F 2.20 Submit Securities, Bonds, Policies, etc.

If requested, submit for the employer's acceptance before the 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 Tender Documents

If so instructed by the employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the tender data.

F 2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the tender data.

F.3 THE EMPLOYER'S UNDERTAKINGS

F 3.1 Respond to Requests from the Tenderer

F 3.1.1 Unless otherwise stated in the Tender Data, respond to a request for clarification received up to five working days before the tender closing time stated in the Tender Data and notify all Tenderers who drew procurement documents.

F 3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to pre-qualify a Tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not pre-qualified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance or the material change would compromise the outcome of the prequalification process.

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 that tender documents are available until three days before the tender closing time stated in the Tender Data. If, as a result, a Tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who drew

documents.

F 3.3 Return Late Tender Offers

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the Tenderer concerned.

F 3.4 Opening of Tender Submissions

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

F 3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, the number of points claimed for its BBBEE status level and time for completion for the main tender 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 tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each Tenderer whose technical proposal is opened.

F 3.5.2 Evaluate the functionality of the technical proposals offered by tenderers, then advise tenderers 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 tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on BBBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

F 3.6 Non-disclosure

Not disclose to tenderers, or any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final

evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful Tenderer.

F 3.7 Grounds for Rejection and Disqualification

Determine whether there has been any effort by a Tenderer to influence the processing of tender offers and instantly disqualify a Tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

F 3.8 Test for Responsiveness

F 3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

F 3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer's or the Tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender 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, Omissions and Discrepancies

F 3.9.1 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with F.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omissions made in completing the pricing schedule or bills of quantities; or
- c) arithmetic errors in:
 - i). line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
 - ii). the summation of the prices.

F 3.9.2 The employer must correct the arithmetical errors in the following manner:

- a) Where there is a discrepancy between the amounts in words and amounts in figures, the amount in words shall govern.
- b) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
- 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 total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

Consider the rejection of a tender offer if the tenderer does not correct or accept the correction of the arithmetical error in the manner described above.

F 3.10 Clarification of a Tender Offer

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

F 3.11 Evaluation of Tender Offers

F 3.11.1 General

Appoint an evaluation panel of not less than three persons. Reduce each responsive tender offer to a comparative offer and evaluate them using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

F 3.11.2 Method 1: Price and Preference

In the case of a price and preference:

- 1) Score tender evaluation points for price

F 3.11.3 Method 2: Functionality, Price and Preference

In the case of a functionality, price and preference:

- 1) Score functionality, rejecting all tender offers that fail to achieve the minimum number of points for functionality as stated in the Tender Data.
- 2) No tender must be regarded as an acceptable tender if it fails to achieve the minimum qualifying score for functionality as indicated in the tender invitation.
- 3) Tenders that have achieved the minimum qualification score for functionality must be evaluated further in terms of price.

F 3.11.4 Scoring Functionality

Score each of the criteria and sub criteria for quality in accordance with the provisions of the Tender Data.

Calculate the total number of tender evaluation points for quality using the following formula:

$$NQ = W_2 \times S_o / M_s$$

where:

- S_o is the score for quality allocated to the submission under consideration;
- M_s is the maximum possible score for quality in respect of a submission; and
- W_2 is the maximum possible number of tender evaluation points awarded for the quality as stated in the tender data.

F 3.12 Insurance Provided by the Employer

If requested by the proposed successful Tenderer, submit for the Tenderer'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 Tender Offer

Accept the tender offer; if in the opinion of the employer, it does not present any risk and only if the Tenderer:

- a) is not under restrictions, or has principals who are under restrictions, preventing participation in the employer's procurement,
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other

- physical facilities, managerial capability, reliability , experience and reputation, expertise and the personnel, to perform the contract,
- c) has the legal capacity to enter into the contract,
- d) is not insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, 2008, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,
- e) complies with the legal requirements, if any, stated in the tender data, and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

F 3.11 Prepare Contract Documents

- F 3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents, and
- c) other revisions agreed between the employer and the successful Tenderer.

- F 3.14.2 Complete the Schedule of Deviations attached to the Form of Offer and Acceptance, if any.

F 3.15 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 3.16 Notice to Unsuccessful Tenderers

- F 3.16.1 Notify the successful Tenderer of the employer's acceptance of his tender offer by completing and returning one copy of the Form of Offer and Acceptance before the expiry of the validity period stated in the Tender Data, or agreed additional period.

- F 3.16.2 After the successful Tenderer has been notified of the employer's acceptance of the tender, notify other tenderers that their tender offers have not been accepted. The successful tenderer will be notified if no appeals are received.

F 3.17 Provide Copies of the Contracts

Provide to the successful Tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the Form of

Offer and Acceptance.

F 3.18 Provide Written Reasons for Actions Taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender, but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

F 3.19 Transparency in the procurement process

F 3.19.1 The CIDB prescripts require that tenders must be advertised and be registered on the CIDB Tender system.

F 3.19.2 The employer must adopt a transparency model that incorporates the disclosure and accountability as transparency requirements in the procurement process.

F 3.19.3 The transparency model must identify the criteria for selection of projects, project information template and the threshold value of the projects to be disclosed in the public domain at various intervals of delivery of infrastructure projects.

F 3.19.4 The client must publish the information on a quarterly basis which contains the following information:

- Procurement planning process
- Procurement method and evaluation process
- Contract type
- Contract status
- Number of firms tendering
- Cost estimate
- Contract title
- Contract firm(s)
- Contract price
- Contract scope of work
- Contract start date and duration
- Contract evaluation reports.

F 3.19.5 The employer must establish a Consultative Forum which will conduct a random audit in the implementation. of the transparency requirements in the procurement process.

F 3.19.6 Consultative Forum must be an independent structure from the bid committees.

F 3.19.7 The information must be published on the employer's website.

F 3.19.8 Records of such disclosed information must be retained for audit purposes.

Alpha-numeric associated with the Contractor Grading Designations

Table G1: Contractor grading designations and associated parameters

Contractor Grading Designation	Tender Value Range designation	Maximum Value of Contract that a Contractor is considered capable of performing (R)
1 (class of construction works)	1	500000
2 (class of construction works)	2	1 000 000
3 (class of construction works)	3	3 000 000
4 (class of construction works)	4	6 000 000
5 (class of construction works)	5	10 000 000
6 (class of construction works)	6	20 000 000
7 (class of construction works)	7	60 000 000
8 (class of construction works)	8	200 000 000
9 (class of construction works)	9	No limit

TABLE G2: CLASSES OF CONSTRUCTION WORK sets out detailed description of the various Designations (types) of construction work.

CIDB Class of Construction	
<i>CE</i>	<i>Civil Engineering</i>
<i>EB</i>	<i>Electrical Engineering Work - Building</i>
<i>EP</i>	<i>Electrical Engineering Work - Infrastructure</i>
<i>ME</i>	<i>Mechanical Engineering</i>
<i>GB</i>	<i>General Building</i>
<i>SB</i>	<i>Asphalt Works (Supply and Lay)</i>
<i>SC</i>	<i>Building Excavations, Shaft Sinking and Lateral Earth Support</i>
<i>SD</i>	<i>Corrosion Protection (Cathodic, Anodic and Electrolytic)</i>
<i>SE</i>	<i>Demolition and Blasting</i>

SF	Fire Preventions and Protection Systems
SG	Glazing, Curtain Walls and Shop Fronts
SH	Landscaping and Horticulture Works
SI	Lifts, Escalators and Travellators (installation, commissioning and maintenance)
SJ	Piling and specialized foundations for buildings and structures
SK	Road Marking and Signage
SL	Structural Steel Fabrication and Erection
SM	Timber Buildings and Structures
SN	Waterproofing of basements, roofs and walls using specialist equipment
SO	Water Supply and Drainage for buildings (wet services, plumbing)
SQ	The development, extension, installation, repair, removal, alteration, dismantling or demolition of precast concrete or steel security fencing.

T1.2.2 Variations to the Standard Conditions of Tender

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall take precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

The following variations, amendments and additions to the Standard Conditions of Tender shall apply to this tender.

Please note that the word “Client” is used in this document and referred to as “Employer” in the Standard Conditions of Tender document.

Clause Variation, Amendment or Addition No.

F.1 General

F 1.1 Actions

*Add the following to the end of **Clause F.1.1:***

The Employer is uBuhlebezwe Municipality, represented by
Mr S.B. Mkhwanazi
Email: sbmkhwanazi@ubuhlebezwe.gov.za

F 1.2 Tender Documents

*Add the following to the end of **Clause F.1.2:***

“The Tender Document for this Contract comprises the following:

Not issued to Tenderer’s, but available from the issuing bodies as applicable:

- 1) CIDB, “The Standard for Uniformity in Construction Procurement Annex F, Standard Conditions of Tender”, Board Notice 136 of 2016 of Government Gazette 38960 of 10 July 2016.
- 2) GCC 2015 “General Conditions of Contract for Construction Works”, Third Edition 2015 published by the South African Institute of Civil Engineering (SAICE)
- 3) COLTO Standard Specifications for Road and Bridge Works for State Authorities 1998 (Green Book)
- 4) The Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the Construction Regulations (2014).
- 5) SANS 1921 (2004) Construction and Management Requirements for Works Contracts: Part 6.
- 6) SANS 1914 (2002): Targeted Construction Procurement: Parts 1 – 6.
- 7)

VOLUME 1: ISSUED TO TENDERERS:

The Tender T1: Tendering Procedures

T1.1 to T1.2

T2: Returnable Documents

T2.1 to T 2.22

The Contract

C1: Agreements and Contract Data

C1.1 to C1.8

C2: Pricing Data

C2.1 to C2.2

C3: Scope of Works

C3.1 to C3.8

C4: Site and Other Information

C4.1 to C4.2

VOLUME 2: ISSUED TO TENDERERS

Book of Drawings (as listed in C4.3)

F 1.4 Communication and Employer's Agent

*Add the following to the end of **Clause F.1.4**:*

Attention is drawn to the fact that verbal information, given by the Employer's Agent during site visits/clarification meetings or at any other time prior to the award of the Contract, will not be regarded as binding on the Employer. Only information issued formally by the Employers Agent in writing to tenderers will be regarded as amending the Tender Documents.

The Employer's Agent is: **Buchule Engineer's** (represented by Mr. Sibulelo Zekevu)

Address: 29 Claribel Road
Windermere
Durban
4001
Telephone No: (031) 331 0478
Fax No.: (086) 618 9069
Email: sibu@buchule.co.za
Website: www.buchule.co.za

Tender and Technical Queries must be directed to Mr. S. Zekevu Email: sibu@buchule.co.za

F.2 TENDERER'S OBLIGATIONS

F 2.1 Eligibility

*F 2.1.1 Add the following to the end of **Clause F.2.1.1**:*

A. Construction Industry Development Board (CIDB) Registration

- 1) Only those tenderers who are registered (as "Active") with the CIDB (at time of tender closing), in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, but not less than **6CE** class of construction work, are eligible to submit a tender offer.

B. Joint Ventures are eligible to submit a tender offer provided that:

- 1) Every member of the joint venture is registered (as "Active") with the CIDB (at the time of tender closing)
- 2) The lead partner has a contractor grading designation in the CE class of construction work and has a grading designation of not lower than one level below the required grading designation;
- 3) The value of work to be undertaken by each partner must

- be within their CIDB grading limit.
- 4) The combined contractor grading designation calculated in accordance with the Construction Industry Development Board Regulations(2016) is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 6CE class of construction work or a value determined in accordance with Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations:

Designation	Deemed to satisfy joint venture arrangements
3	Three contractors registered in contractor grading designation 2
4	Three contractors registered in contractor grading designation 3
5	Two contractors registered in contractor grading designation 4, one contractor registered in contractor grading designation 4 and two registered in contractor grading designation 3
6	Two contractors registered in contractor grading designation 5, one contractor registered in contractor grading designation 5 and two registered in contractor grading designation 4
7	Two contractors registered in contractor grading designation 6, one contractor registered in contractor grading designation 6 and two registered in contractor grading designation 5
8	Three contractors registered in contractor grading designation 7
9	Three contractors registered in contractor grading designation 8

- 5) Tenders submitted by joint ventures of two or more firms must be accompanied by the document of formation of the joint venture, authenticated by a notary public or other official deputed to witness sworn statements, in which is defines precisely the conditions under which the joint venture will function, its period of duration, the persons authorized to represent and obligate it, the participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning.
- 6) The Tenderer, if a Joint Venture, must submit a signed JV Agreement with the tender specific to the tendered Contract and showing clearly the percentage contribution of each partner to the Joint Venture. The value of work to be undertaken by each partner must be within their CIDB grading limit.

C. National Treasury Central Supplier Database Registration

Only Tenderers who are eligible to be registered on the National Treasury Central Supplier (CSD) Database and have

provided proof of their registration will be eligible to submit a tender offer. Proof of registration must be in the form of the Tenderers CSD registration number. Tenderers who are not registered are not precluded from submitting bids, but must be registered prior to Contract Award.

In the case of Joint Venture partnerships this requirement will apply individually to each party to the Joint Venture.

Tenderers who wish to register as service providers on the CSD can register online at <https://secure.csd.gov.za/Account/Register>.

D. Attendance of Compulsory Site Briefing

Only Tenderers who have attended the compulsory site briefing and have form A3 “Clarification Meeting Certificate” signed by the Employers agent or his representative will be eligible to submit a tender offer.

E. Time for Completion of the Contract

The time for completion of the contract is stated in sub clause 2.6 of the Contract Data.

F. Tenderer's Tax Clearance Certificate

Tenderers shall be registered and in good standing with the South African Revenue Services (SARS) and must submit/append documentary evidence/proof in the form of a valid Tax Clearance PIN Number and/or a valid Tax Number issued by SARS. Failure to provide a valid Tax Clearance PIN number and/or Tax Number will result in the tender being rejected.

Each party to a Consortium/Joint Venture shall submit a separate Tax Clearance PIN Number and/or Tax Number.

F.2.7 Clarification Meeting

*Add the following to the end of **Clause F.2.7**:*

The arrangement for a compulsory clarification meeting is as stated in the Tender Notice and Invitation to Tender.

Tenderers should be represented at the clarification meeting by a person or persons who are suitably qualified and experienced.

F2.10.3 Pricing the Tender Offer

*Delete the contents of **Clause F.2.10.3** and replace with the*

following:

This tender is **NOT** subject to Contract Price Adjustment.

F.2.12 Alternative Tender Offers

*Delete the contents of **Clause F.2.12** and replace with the following:*

No alternative offers will be accepted. This includes offering fixed rates in lieu of Contract Price Adjustment.

F.2.13 Submitting a Tender Offer

F.2.13.2 *Delete the contents of **Clause F.2.13.2** and replace with the following:*

“Return all returnable documents to the Employer after completing them in their entirety. Notwithstanding the format in which the tender documents are issued to Tenderers, no electronic form of tender offers will be accepted.

Where additional supporting documentation is provided or required in terms of the Returnable Schedules listed in T2.1:List of Returnable Schedules, this shall be placed in a file labelled “Supporting Documentation”, and further labelled in accordance with F2.13.5 of T1.2:Tender Data. The file shall be provided with a Table of Contents matching the relevant items for T2.1 and shall be provided with labelled dividers for each of the corresponding sections wherein the supporting documentation shall be inserted. Failure to comply with these requirements may result in the tender being declared non-responsive.

Notwithstanding any statement in any of the Returnable Schedules listed in T2.1 to the effect that supporting documentation must be attached to the associated Returnable Schedule, the supporting documentation must be placed in the supporting documentation files as stipulated above.

The Schedule of Quantities must be fully and correctly filled in in by hand in black ink.”

F.2.13.3 *Add the following at the end of **Clause F.2.13.3**:*

“Number of copies required is One (1) original and one (1) complete copy.”

Telephonic, facsimile or e-mailed tender offers will not be accepted. The binding for the original volumes of the Tender Document may be dismantled, but must be submitted in the original format in which they were issued by the Employer.”

F.2.13.4 *Add the following after the first sentence of **Clause F.2.13.4**:*

“The tender shall be signed by a person duly authorized to do so.”

F.2.13.5 *Add the following after the first sentence of **Clause F.2.13.5**:*

“The Employer’s address for delivery of tender offers and identification details, to be shown on each tender offer package, are the following:

Location of tender box:	Peace Initiative Hall
Physical address:	Peace Initiative Hall, Ixopo
Identification details:	BID NO. UBU-B-03/05/22
	CONSTRUCTION OF XOLANI VEZI
	SPORT FIELD – WARD 08

F.2.13.6 *Delete the contents of **Clause F.2.13.6** and replace with the following:*

“A two-envelope Procedure as described in **Clause F.3.5** will not be followed.”

F.2.15 **Closing Time**

F.2.15.1 *Add the following to the end of **Clause F.2.15.1**:*

“The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender”

F.2.16 **Tender Offer Validity**

F.2.16.1 *Add the following to the end of **Clause F.2.16.1**:*

“The tender offer validity period is 90 days.”

F.2.16.2 *Add the following to the end of **Clause F.2.16.2**:*

“The maximum extension on the tender offer validity period is 90 days.”

F.2.17 **Clarification of Tender Offer after Submission**

*Add the following to the end of **Clause F.2.17**:*

“A tender may be rejected as non-responsive if the Tenderer fails to provide any clarification requested by the Employer, or confirmation of registration with CIDB within the time for submission stated in the Employer’s written request for such clarification or confirmation. A tender may be rejected if the unit rates or lump sums for some of the items in the bills/schedules of quantities are, in the opinion of the Employer, unreasonable or out of proportion, and the Tenderer fails, within the time stated in writing by the Employer to justify any specific rates or lump sums (i.e. to provide a financial breakdown of how such

rates or sums were obtained) or to adjust the unit rates or lump sums for such items while retaining the total of the prices unchanged.”

F 2.23 Certificates

*Add the following to the end of **Clause F.2.23**:*

“The Tenderer is required to submit the following certificates with the tender as per requirements of **Clause F.2.13.2**:

A. Certificate of Contractor Registration (CIDB)

Certificate of Contractor Registration issued by the Construction Industry Development Board. Where a tenderer satisfies CIDB contractor grading designation requirements through joint venture formation, such tenderers must submit the Certificates of Contractor Registration in respect of each partner. (Document B1 in Part T2, page 69).

B. Tax Clearance Certificate

Tenderers shall be registered and in good standing with the South African Revenue Services (SARS) and shall submit/append documentary evidence/proof in the form of an original or certified copy of valid Tax Clearance Certificate issued by SARS. Failure to provide a valid Tax Clearance Certificate will result in the tender being rejected. (Document B2 in Part T2, page 70).

Each party to a Consortium/Joint Venture shall submit a separate Tax Clearance Certificate.

C. Bargaining Council Certificates

Where applicable, a certificate of compliance issued by the relevant Bargaining Council.

Each party to a Consortium/Joint Venture shall submit separate certificates in the above regard.

F.3 THE EMPLOYER’S UNDERTAKINGS

F 3.1 Respond to Requests from the Tenderer

F 3.1.1 *Delete the contents of **Clause F 3.1.1** and replace with the following:*

“The Employer will respond to a request for clarification received up to five working days before the tender closing time stated in the Tender Data and notify all tenderers who drew tender documents.”

F 3.4 Opening of Tender Submissions

F 3.4.1 *Add the following to the end of **Clause F 3.4.1**:*

The time and location for opening of the tender offers is:

Time: 12h00

Location: Peace Initiative Hall

F 3.4.2 *Delete the following **Clause F 3.4.2**:*

F 3.5 Two-envelope system

*Delete the contents of **Clause F 3.5** and replace with the following:*

F 3.7 Grounds for rejection and disqualification

*Add the following to the end of **Clause F 3.7**:*

“Tenderers will be disqualified if any if,

- a) Any of the directors/shareholders of the Tenderer is listed on the National Treasury Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business in the public sector
- b) If the Tender has completed the Compulsory Enterprise Questionnaire and the and is considered by the Employer to have conflict of interest which may impact on the Tenderers ability to perform the proposed contract in the best interest of the Employer or potentially compromise the tender process.
- c) If the Tenderer has persons in the state who are not permitted to submit tenders or to participate in the contract”

F 3.8 The following conditions will apply on this tender:

- Price(s) quoted must be valid for at least Ninety (90) days from date of your offer.
- Price(s) quoted must be firm and must be inclusive of VAT.
- The quote must be submitted on a separate page containing the letterhead of your business.
- This quotation will be evaluated in terms of the Price and for this purpose the enclosed forms MBD 1, MBD 4, MBD 8 & MBD 9 must be scrutinized, completed and submitted together with your quotation.
- Valid Tax Clearance Certificate & Tax compliance status with verification pin
- Detailed proof of registration in the Central supplier database
- Proof of CIDB registration
- Copy of Company Registration Document
- Copies of ID for Company Directors or Members
- In case of a bidder owning a property, they must provide a municipal statement confirming status of municipal accounts not older than 3 months (Bidders must not be in arrears for more than 90 days)
- In case of a bidder leasing the property, they must attach a lease agreement & signed letter from landlord stating that rent is up to date and letter must not be older than 3 months
- In case of the bidder operating in an area that does not pay municipal services, they must attach an affidavit stating that municipal services are not paid in that area and affidavit must not be older than 3 months.
- If the bidder is staying with parents, spouse or any family relative where rates are paid an affidavit from the bidder or letter from the property owner stating that the bidder is not responsible for municipal accounts must be attached. (Affidavit or Letter must not be older than 3 months)

NB: No quotations will be considered from persons in the service of the state.

The council does not bind itself to accept the lowest or any quotation and reserves the right to accept the quotation as whole or in part, at the rates quoted.

If the price offered by tenderer is not market related, the municipality may not award the contract to that tenderer and may negotiate for market related price with the tenderer, failing which negotiate with the next highest scoring tenderer or the tender may be cancelled.

Failure to comply with these conditions may invalidate your offer.

F.3.11 Evaluation of Tender Offers

F.3.11.1 General

*Add the following to the end of **Clause F.3.11.1**:*

“The Procedure for the evaluation of responsive tenders is **Method 1: Price and Preference**. Quality (functionality) will be used as a prequalifying criteria, with tenderers required to meet a minimum quality score of 60 points in order to qualify for further evaluation.”

F.3.11.7 Scoring Price

*Add the following to the end of **Clause F.3.11.7**:*

“For details of scoring price refer to Returnable Schedule A13: Adjudication of Bids on Points Basis.”

F.3.11.8 Scoring Preferences

*Add the following to the end of **Clause F.3.11.8**:*

“For details of scoring preference see Returnable Schedule A19: Preference Points Claim Form in Terms of preferential Procurement Regulations.”

F.3.11.9 Scoring Functionality

Replace this clause with the following:

The functionality will be applied as a prequalifying criteria to determine the tenderers that qualify for further evaluation. The quality shall be scored as per the table below. Points will be allocated only where the required supporting documentation has been submitted by the tenderer.

DETAILED BREAKDOWN OF FUNCTIONALITY POINTS

Details	Total Max Points	Item Max Points
Criteria 1: Approach	20	
1.1 Preliminary Programme	20	
The Preliminary Programme to include the full scope of work described in the work specification and schedule of quantities. The Programme should highlight all the planned activities, the sequence of executing the works and the completion timeframes of the activities. Taking into account factors (i) &		

(ii) listed below the, a score will be allocated for the submitted programme as per the ranking outlined below.		
(i) logic of the sequencing of construction activities and correlation with the cash flow		
(ii) practicality of the completion timeframes of the respective activities		
The Preliminary Programme must be submitted under “Returnable Documents”, (Schedule A5, Page 53).		
Good (fully complies with requisite (i) and (ii) above)		20
Average (partly complies with requisite (i) and (ii) above)		10
Poor (does not comply with requisite (i) and (ii) above)		5
No submission		0
Criteria 2: Experience of Site Personnel	25	
2.1 Site Agent (SA)	15	
If SA has 10 years’ experience and has completed similar projects		15
If SA has 7 years’ experience and has completed similar projects		10
If SA has 5 years’ experience and has completed similar projects		5
If SA has NOT completed similar projects in last 5 years, regardless of other experience		0
Note: The CV and certified copies of Academic Qualifications of the proposed SA must be submitted under “Returnable Documents”, (Schedule A9, page 57). (The required minimum qualification for the Site Agent is a National Diploma in any of the following disciplines Civil Engineering, Quantity Survey or Project Management)		
2.2 General Foreman (GF)	10	
If GF has 10 years’ experience and has completed similar projects		10
If GF has 7 years’ experience and has completed similar projects		8
If GF has 5 years’ experience and has completed similar projects		6
If GF has NOT completed similar projects in last 3 years, regardless of other experience		0
Note: The CV and certified copies of Academic Qualifications of the proposed GF must be submitted under “Returnable Documents”, (Schedule A9, Page 57).		
Criteria 3: Experience of Company		
3.1 Relevant Experience	30	
5 points per appointment letter and completion certificate		30

Tenderer has NOT completed a similar project		0
Note: Tenderers should attach Letters of Appointment and Completion Certificates for completed projects in order to qualify for points for experience in (Schedule A7, page 55) of the Returnable Documents. Similar projects are:		
(i) Construction of Sport fields		
Criteria 5: Plant and equipment	25	
Note: Full points will be allocated for plant and equipment owned by the Tenderer and which will be available for the project should the Tenderer be successful. If the contractor does not own some or any of the plant listed below, and chooses to hire some or all of the required plant, then the points indicated above will be awarded at 50% of the stated points for any of the relevant items of plant or equipment hired. Points for hire plant will be allocated if an original letter of Intent is attached from a Plant Hire Company. Tenderers are to attach log books for plant owned or hired as proof of ownership and latest copy of licence renewal. Details of owned and hired plant and equipment are to be entered in (Schedule A10, page 58) of the Returnable Documents		
1 x Grader		6
1 x Water truck		4
4 x 10m ³ Tipper trucks		4
1 x 25 t Excavator		3
1 x Grid-roller and 4x4 or 1 x self –propelled vibrator pad-foot roller (15t)		4
1 x Loader (0.50m ³ bucket)		4
TOTAL POINTS FOR QUALITY		100
TENDERERS WITH A SCORE OF LESS THAN 60% WILL BE REJECTED AS NON-RESPONSIVE		

F.3.16 Notification to unsuccessful tenderers

Delete the contents of Clause F.3.16.2 and replace the following:

“If the Supply Chain Management Bid Adjudication Committee has resolved that a tender be accepted, the unsuccessful tenderers shall be notified in writing.

Any Tenderer wishing to exercise their right to appeal must submit their appeal in writing within 14 calendar days of receipt of notification to The Supply Chain Manager, uBuhlebezwe Municipality. The format of the appeal must:

- f) set out the reasons for the appeal
- g) state in which way the appellant’s rights have been

- affected by the decision
- h) state the remedy sought
- i) be accompanied by a copy of the notification advising the Tenderer of the decision of the Supply Chain Management Bid Adjudication Committee.

If no bona fide appeals have been received within 5 days of the notifications being sent, the successful Tenderer will be notified of uBuhlebezwe Municipality's acceptance of their bid.

The consideration of appeals and, if necessary, the invalidation of any decision made, shall be dealt with in terms of uBuhlebezwe Municipality's appeals process."

F.3.17 Provide Copies of the Contracts

Add the following to the end of Clause F.3.17:

"The number of paper copies of the signed contract to be provided by the Employer is ONE."

T1.2.3 Additional Conditions of Tender

The additional conditions of tender are:

T.1.2.3.1 Compliance with Occupational Health and Safety Act 1993 and Construction Regulations (as amended 2014)

Tenderers are to note the requirements of the Occupational Health and Safety Act No. 85 of 1993 and the latest amended Construction Regulations (2014) issued in terms of Section 43 of the Act. The Tenderer shall be deemed to have read and fully understood the requirements of the above Act and Regulations and to have allowed for all costs in compliance therewith.

In this regard the Tenderer shall submit with the tender, appended to Schedule B4: Health and Safety Plan in T2.2 Returnable Documents, a detailed Health and Safety Plan prepared in accordance with the Health and Safety Specification (given in in respect of the Works in order to demonstrate the necessary competencies and resources to perform the construction work all in accordance with the Act and Regulations).

T.1.2.3.2 Claims Arising after Submission of Tender

No claim for any extras arising out of any doubt or obscurity as to the true intent and meaning of anything shown on the Contract Drawings or contained in the Conditions of Contract, Scope of Work and Pricing Data, will be admitted by the Employer/Employer's Implementing Agent after the submission of any tender and the Tenderer shall be deemed

to have:

- 1) Inspected the Tender Drawings and read and fully understood the Conditions of Contract.
- 2) 2) Read and fully understood the whole text of the Scope of Work and Pricing Data and thoroughly acquainted himself with the nature of the works proposed and generally of all matters which may influence the Contract.
- 3) visited the site of the proposed works, carefully examined existing conditions, the means of access to the site, the conditions under which the work is to be done, and acquainted himself with any limitations or restrictions that may be imposed by the Municipal or other Authorities in regard to access and transport of materials and plant to and from the site and made the necessary provisions for any additional costs involved thereby.
- 4) requested the Employer or his duly authorised agent to make clear the actual requirements of anything shown on the Tender Drawings or anything contained in the Scope of Work and Pricing Data, the exact meaning or interpretation of which is not clearly intelligible to the Tenderer.

Before submission of any tender, the Tenderer should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing indistinct, or if the Pricing Data contain any obvious errors, the Tenderer must apply to the Employer/Employer's Implementing Agent at once to have the same rectified, as no liability will be admitted by the Employer/Employer's Implementing Agent in respect of errors in any tender due to the foregoing.

T.1.2.3.3 Imbalance in Tendered Rates

In the event of tendered rates or lump sums being declared by the Employer to be unacceptable to it because they are either excessively low or high or not in proper Balance with other rates or lump sums, the Tenderer may be required to produce evidence and advance arguments in support of the tendered rates or lump sums objected to. If, after submission of such evidence and any further evidence requested, the Employer is still not satisfied with the tendered rates or lump sums objected to, it may request the Tenderer to amend these rates and lump sums along the lines indicated by it.

The Tenderer will then have the option to alter and/or amend the rates and lump sums objected to and such other related amounts as are agreed on by the Employer, but this shall be done without altering the Contract Price.

Should the Tenderer fail to amend the Tender in a manner acceptable to the Employer, the Employer may reject the

Tender.

T.1.1.2.3.4 Community Liaison Officer

Democratically elected village members who in turn have representation on the overall Project Steering Committee (PSC) represents the residents being served by the project. The Contractor will be required to liaise through the CLO for any matters to do with the community. The CLO shall be paid an amount of R4 500 per month and an additional R300 per month airtime allowance throughout the contract.

T.1.1.2.3.5 Labour Intensive Construction / Use of Local Labour

Where unskilled workers is required, the Contractor shall employ and, where necessary, train workers from the local community to execute certain labour-intensive tasks. The Employer, through a Community Liaison Officer, shall facilitate the process of identifying possible individuals to be employed by the Contractor.

Labour intensive construction must be interpreted in the broader sense as defined in the particular specifications PC and also Guidelines for the implementation of labour-intensive infrastructure projects under the Expanded Public Works Programme (EPWP) – “Labour-intensive: refers to methods of construction involving a mix of machines and labour, where labour, utilising hand tools and light plant and equipment, is preferred to the use of heavy machines, where technically and economically feasible.”

The Contractor shall prepare a proposal with regards to the identification and execution of labour intensive tasks stating

- (a) The number of unskilled local labour to be employed,
- (b) Number of labourers to be trained, type of training and
- (c) Methods of construction. The proposal shall also indicate the names and qualifications of the individuals assigned to supervise the work. The proposal shall be submitted and approved by the Engineer prior to commencing with the relevant tasks. Once approved, the Contractor shall be expected to perform in terms of the proposed targets.

The latest gazette government labour rate for the Construction industry or the Municipality stipulated rate will to be used in the contract for remuneration of local labour. Currently the Municipality stipulated rate is R170/day. Its should be noted that this rate is subject to adjustments to take into account inflation and other factors.

All people that will be required to perform the works will have to be trained by Department of Labour prior to the commencement of the project. The target beneficiaries for NSF funded skills development Programmes are:

- Unemployed people, of whom, in aggregate, at least 85% should be black; 54% women, and 4% should be

people with disabilities

- People who have recently been the victims of natural or social disasters
- Retrenched workers
- Young people
- People engaged in micro or survivalist entrepreneurial activities and currently not registered for the skills development levy.

PART T2: RETURNABLE SCHEDULES

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

T 2.1 LIST OF RETURNABLE SCHEDULES

The tenderer must complete and return documents all returnable document as listed below as part of his/her tender submission:

SCHEDULE	DESCRIPTION	PAGE	ATTACHED
	Returnable documents required for tender evaluation purposes		YES/NO
A1	Clarification Meeting Certificate	43	
A2	Authority To Sign Documents	44	
A3	Certificate or Authority for Joint Ventures	45	
A4	JV Agreement	46	
A5	Preliminary Programme	47	
A7	Schedule of Work Experience of Tenderer	48	
A8	Tender's Current Projects and Size of Enterprise	49	
A9	Proposed Key Personnel of Enterprise	50	
A10	Schedule of Construction Plant	51	
A11	Company Registration Documents	52	
A12	ID Copies for Members	53	
A13	Alterations / Amendments by Tenderer	54	
A14	Record of Addenda to Tenderers	55	
A15	Tax Requirements (MBD 2)	56	
A16	Declaration of Interest (MBD4)	57-59	
A19	Declaration of Tenderer's Past Supply Chain Management Practices (MBD8)	60-61	
A20	Certificate of Independent Tender Determination (MBD 9)	62-64	
A21	Proof of Municipal Account	65	
A22	Form concerning fulfilment of the construction regulations 2014	66-67	
Schedule B	Additional Documents to be provided by the Tenderer and attached to his/her tender		
B1	CIDB Contractor Registration Certificate	68	
B2	Tax Clearance Certificate & Verification Pin	69	
B4	Proof of Central Supplier Database (CSD) registration	70	
B5	Letter of Good Standing	71	
Schedule C	Other Documents that will form part of The Contract		
C1.1	Form Of Offer And Acceptance	73-80	
C1.2	Contract Data	81-88	
C1.3	Tenderer's Direct Participation of Targeted Labour	89-91	
C1.4	Tenderer's Direct Participation of Targeted Enterprises	92-94	
C1.5	Proforma Performance Guarantee	95-98	
C1.6	Occupational Health And Safety Agreement	99-101	
C2.1	Pricing Instructions	106-108	
C2.2	Pricing Data and Bill of Quantities	108-128	
C3	Scope of Work	129	
C4	Project Specification	194-229	

NB: TENDERERS MUST COMPLETE THESE DOCUMENTS / DATA SHEETS / FORMS IN BLACK INK

T2.2 RETURNABLE SCHEDULES

A1. CLARIFICATION MEETING CERTIFICATE

This is to certify that I/We*

of (tenderer)

of (address)

.....

.....

Telephone number

Fax number

Email

on (date)

have examined the Site of the Works and its surroundings for which I/we* am/are* submitting this Tender and have, so far as is practicable, familiarised myself/ourselves* with all information, risks, contingencies and other circumstances which may influence or affect my/our* tender.

*Delete whichever is inapplicable

SIGNED BY/ON BEHALF OF UBUHLEBEZWE MUNICIPALITY:

NAME

SIGNATURE

DATE

SIGNED BY/ON BEHALF OF THE TENDERER:

NAME

SIGNATURE

DATE

A2. AUTHORITY TO SIGN DOCUMENTS

I/We*, the undersigned, am/are* duly authorised to sign the form of tender on behalf of

.....

by virtue of the Articles of Association/Resolution of the Board of Directors*, of which a certified copy is attached, or

.....

.....

*Delete whichever is inapplicable

1.			
	NAME	SIGNATURE	DATE

2.			
	NAME	SIGNATURE	DATE

WITNESSES:

1.			
	NAME	SIGNATURE	DATE

2.			
	NAME	SIGNATURE	DATE

A3. CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This Returnable Schedule is to be completed only if Tenderer is a joint venture.

We, the undersigned, are submitting this tender offer in joint venture and hereby authorise

Mr./Ms , authorised signatory of the company, close
corporation or partnership..... acting in the capacity of

lead partner, to sign all documents in connection with the tender offer and any contract
resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner		Signature: Name: Designation:
		Signature: Name: Designation:
		Signature: Name: Designation:
		Signature: Name: Designation:

Note: A copy of the Joint Venture Agreement showing clearly the percentage contribution of each partner to the Joint Venture shall be appended to this Schedule.

A4. JOINT VENTURE AGREEMENT

Joint Ventures are required to attach a comprehensive joint venture agreement. The agreement should reflect the following information;

- i) Company registration number for each partner
- ii) Authorised signature for each partner
- iii) % share for each partner
- iv) Address for each partner
- v) Signed by both parties

SIGNED BY ON BEHALF OF TENDERER:

NAME

SIGNATURE

DATE

A5. PRELIMINARY PROGRAMME

The tenderer must attach hereto the preliminary programme.

SIGNED BY ON BEHALF OF TENDERER:



NAME



SIGNATURE



DATE

A7. SCHEDULE OF WORK EXPERIENCE OF TENDERER

Tenderers shall insert in the Schedule hereunder details of work successfully carried out by them of a similar nature to that for which their tender is submitted. Failure to complete this Schedule will be taken to indicate that the Tenderer has no experience in this class of work. Tenderers should attach Letters of Appointment and Completion Certificates for completed projects hereto.

COMPLETED CONTRACTS				
Employer (Name, Tel, Fax, Email)	Consulting Employer's Agent (Name, Tel, Fax, Email)	Nature Of Work	Value of Work R(M)	Date Completed
Name :				
Tel :				
Fax :				
Email :				
Name :				
Tel :				
Fax :				
Email :				
Name :				
Tel :				
Fax :				
Email :				
Name :				
Tel :				
Fax :				
Email :				
Name :				
Tel :				
Fax :				
Email :				

SIGNED BY ON BEHALF OF TENDERER:

NAME

SIGNATURE

DATE

A8. TENDERER'S CURRENT PROJECTS & SIZE OF ENTERPRISE

What was your turnover in the previous financial year? R

What is the estimated turnover for your current financial year? R

Tenderers must furnish hereunder details of similar works/service, which they are currently undertaking.

CURRENT PROJECTS			
PROJECT NAME	AWARDED AMOUNT	CONTRACT START DATE	ANTICIPATED / ACTUAL COMPLETION DATE

SIGNED BY ON BEHALF OF TENDERER:

NAME

SIGNATURE

DATE

A9. PROPOSED KEY PERSONNEL

Tenderers shall set out in the Schedule hereunder details of the experience of the Site Agent & General Foreman and also attach herewith their respective CV's detailing experience in work of a similar nature to that for which this Tender is submitted as well as certified copies of their Academic Certificates.

DESIGNATION	NAME	SUMMARY OF		HDI Status	NQF 7 Certified
		QUALIFICATIONS	EXPERIENCE AND PRESENT OCCUPATION	Yes/No	Yes/No
Site Agent					
General Foreman					

SIGNED BY ON BEHALF OF TENDERER:

NAME

SIGNATURE

DATE

A10. SCHEDULE OF CONSTRUCTION PLANT

Tenderers shall state below what construction plant will be available for this Contract. The tenderer shall indicate if plant is OWNED or HIRED.

CONSTRUCTIO PLANT AVAILABLE				
Description	Size	Capacity	Number	Owned / Hired

If there is insufficient space above, the tenderer may append additional sheets.

Number of additional sheets appended by the tenderer to this Schedule(If nil, enter NIL)

SIGNED BY ON BEHALF OF TENDERER:

--

NAME

--

SIGNATURE

--

DATE

A11. COMPANY REGISTRATION DOCUMENTS

Tenderers shall attach hereto certified copies of the company registration documents.

SIGNED BY ON BEHALF OF TENDERER:



NAME



SIGNATURE



DATE

A12. ID COPIES FOR MEMBERS

Tenderers shall attach hereto certified copies of the identity documents of the company director(s).

SIGNED BY ON BEHALF OF TENDERER:



NAME



SIGNATURE



DATE

A13. ALTERATIONS / AMENDMENTS BY TENDERER

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter attached to his/her tender and reference such letter in this schedule.

The Tenderer's attention is drawn to Clause F3.8.2 on page 10 of the Standard Conditions of Tender in the Tender Data, regarding the Employer's handling of material deviations and qualifications.

If no deviations or modifications are desired, the Schedule hereunder is to be marked NIL and signed by the Tenderer.

PAGE/ITEM	CLAUSE/DESCRIPTION

If there is insufficient space above, the tenderer may append additional sheets.

Number of additional sheets appended by the tenderer to this Schedule(If nil, enter NIL)

SIGNED BY ON BEHALF OF TENDERER:

--

NAME

--

SIGNATURE

--

DATE

A14. RECORD OF ADDENDA TO TENDER DOCUMENTS

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:		
No.	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		

If there is insufficient space above, the tenderer may append additional sheets.

Number of additional sheets appended by the tenderer to this Schedule(If nil, enter NIL)

SIGNED BY ON BEHALF OF TENDERER:

--

NAME

--

SIGNATURE

--

DATE

A15. TAX REQUIREMENTS (MBD 2)

A16. DECLARATION OF INTEREST (MBD 4)

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 –

3.8.1.1 any municipal council;

3.8.1.2 any provincial legislature; or

3.8.1.3 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.

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.....

.....

3.12 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 director's trustees, managers, principle 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

SIGNED BY/ON BEHALF OF TENDERER:

POSITION

SIGNATURE

DATE

A19. DECLARATION OF TENDERER'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 ☐	No ☐
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 ☐	No ☐
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 ☐	No ☐
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 ☐	No ☐
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 ☐	No ☐
4.7.1	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

A20. CERTIFICATE OF INDEPENDENT TENDER DETERMINATION (MBD 9)

1. This Municipal Bidding Document must form part of all tenders¹ 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 TENDER 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 ofthat:
(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)

- 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

A21. PROOF OF MUNICIPAL ACCOUNT

1. In case of a bidder owning a property, they must provide a municipal statement confirming status of municipal accounts not older than 3 months (Bidders must not be in arrears for more than 90 days).
2. 2)In case of a bidder leasing the property, they must attach a lease agreement & letter from landlord stating that rent is up to date not older than 3 months.
3. In case of the bidder operating in an area (rural area) that doesn't pay rates, they must attach an affidavit stating that rates are not paid in that area. The affidavit must not be older than 3 Months.
4. If the bidder is staying with parents, spouse or any family relative in an area where rates are paid, an affidavit from bidder or a signed letter from the property owner stating that bidder is not responsible for municipal accounts must be attached (affidavit or the letter must not be older than 3 months)

SIGNED BY / ON BEHALF OF

NAME

SIGNATURE

DATE

A22. FORM CONCERNING FULFILMENT OF THE CONSTRUCTION REGULATIONS 2014

In terms of regulation 4(3) of the Construction Regulations, 2014 (hereinafter referred to as the Regulations), promulgated 07 February 2014 in terms of Section 43 of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) the Employer shall not appoint a contractor to perform construction work unless the Contractor can satisfy the Employer that his/her firm has the necessary competencies and resources to carry out the work safely and has allowed adequately in his/her tender for the due fulfilment of all the applicable requirements of the Act and the Regulations.

1. I confirm that I am fully conversant with the Regulations and that my company has (or will acquire/procure) the necessary competencies and resources to timeously, safely and successfully comply with all of the requirements of the Regulations. (Tick)

YES	
NO	

2. Proposed approach to achieve compliance with the Regulations (Tick)

Own resources, competent in terms of the Regulations (refer to 3 below)	
Own resources, still to be hired and/or trained (until competency is achieved)	
Specialist subcontract resources (competent) - specify:	
.....	
.....	
.....	
.....	
.....	
.....	

3. Provide details of proposed key persons, competent in terms of the Regulations, who will form part of the Contract team as specified in the Regulations (CVs to be attached):

.....

.....

.....

4. Provide details of proposed training (if any) that will be undergone:

.....

.....

.....

.....

5. Potential key risks identified and measures for addressing risks:

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

6. I have fully included in my tendered rates and prices (in the appropriate payment items provided in the Schedule of Quantities) for all resources, actions, training and any other costs required for the due fulfilment of the Regulations for the duration of the construction and defects repair period. (Tick)

YES	☐
NO	☐

SIGNED BY / ON BEHALF OF

NAME

SIGNATURE

DATE

B1. CIDB CONTRACTOR REGISTRATION CERTIFICATE

A Certificate of Contractor's Registration issued by the Construction Industry Development Board (CIDB) shall be attached to this page.

Where a tenderer satisfies CIDB Contractor grading designation requirements through joint venture formation, such tenderers must submit the Certificates of Contractor Registration in respect of each partner.

SIGNED BY / ON BEHALF OF

--

NAME

--

SIGNATURE

--

DATE

B2. TAX CLEARANCE CERTIFICATE & VERIFICATION PIN

The tenderer shall attach hereto a valid Tax Clearance Certificate and a valid Tax Clearance PIN Number from the South African Revenue Service (SARS).

Each party to a Consortium/Joint Venture shall submit a separate Tax Clearance Certificate, or a valid Tax Clearance PIN Number.

SIGNED BY / ON BEHALF OF

NAME

SIGNATURE

DATE

B4. PROOF OF CENTRAL SUPPLIER DATABASE REGISTRATION

The tenderer must attach hereto the Central Supplier Database (CSD) registration detailed report.

SIGNED BY / ON BEHALF OF

NAME

SIGNATURE

DATE

B5. LETTER OF GOOD STANDING

The tenderer must attach hereto the Letter of Good Standing issued by the Department of Labour.

SIGNED BY / ON BEHALF OF

NAME

SIGNATURE

DATE

PART C1: AGREEMENTS AND CONTRACT DATA

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

C1.1 FORM OF OFFER AND ACCEPTANCE

OFFER

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

BID NO: UBU-B-03/05/22 – CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

The tenderer, identified in the offer signature block below, has examined the documents listed in the tender data and addenda thereto as listed in the Returnable Schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of this Form of Offer and Acceptance, the tenderer 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.

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

.....

..... RAND (in words);

R (in figures)

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 tenderer before the end of the period of validity stated in the Tender Data, whereupon the Tenderer becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

SIGNED ON BEHALF OF/BY THE TENDERER:

--

NAME

--

SIGNATURE

--

CAPACITY

--

DATE

Name and address of Organisation:

.....

.....

.....

SIGNED BY WITNESS:

NAME

SIGNATURE

DATE

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

ACCEPTANCE

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Tenderer'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 tenderer's offer shall form an Agreement between the Employer and the Tenderer 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 Tender Data and any addenda thereto as listed in the Returnable Documents as well as any changes to the terms of the Offer agreed by the Tenderer 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 which must be duly signed by the authorised representative(s) of both parties.

The tenderer shall within two weeks of receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), or when or just after this Agreement comes into effect, 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 fulfil 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 on the date when the tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the tenderer (now Contractor) within five days of the date of such receipt 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.

SIGNED ON BEHALF OF/BY THE EMPLOYER:

--

NAME

--

SIGNATURE

--

CAPACITY

--

DATE

UBUHLEBEZWE MUNICIPALITY

29 Margaret Street, Ixopo, 3276

P.O Box 152, Ixopo, 3276

SIGNEDBY WITNESS

NAME

SIGNATURE

DATE

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

SCHEDULE OF DEVIATIONS

Notes:

1. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
2. A tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of Offer and Acceptance, the outcome of such Agreement shall be recorded here.
3. Any other matter arising from the process of Offer and Acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the Contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above Agreements and recorded here shall also be incorporated into the final draft of the Contract.

1. Subject.....

Details.....

.....

.....

.....

2. Subject.....

Details.....

.....

.....

.....

3. Subject.....

Details.....

.....

.....

.....

4. Subject.....

Details.....

.....

By the duly authorized representatives signing this Schedule of Deviations, the Employer and the Tenderer agree to and accept the foregoing Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the Returnable Documents, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer 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 tender documents and the receipt by the Tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this Agreement.

SIGNED ON BEHALF OF/BY THE TENDERER:

NAME	SIGNATURE
CAPACITY	DATE

SIGNED BY WITNESS

NAME	SIGNATURE	DATE

SIGNED ON BEHALF OF/BY UBUHLEBEZWE MUNICIPALITY:

NAME	SIGNATURE
CAPACITY	DATE

SIGNED BY WITNESS

NAME

SIGNATURE

DATE

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

CONFIRMATION OF RECEIPT

The Tenderer, (now Contractor), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations (if any) today:

the (day) of (month)(year)

at (place)

SIGNED ON BEHALF OF/BY THE CONTRACTOR:

NAME

SIGNATURE

CAPACITY

SIGNED BY WITNESS

NAME

SIGNATURE

DATE

**UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08**

C1.2 CONTRACT DATA

Part 1: Contract Data Provided by the Employer

GENERAL CONDITIONS OF CONTRACT

The following standardised General Conditions of Contract:

General Conditions of Contract for Construction Works (Third Edition) 2015

Prepared by the South African Institution of Civil Engineering (SAICE) shall apply to and from the General Conditions of Contract for this contract. Copies of these Conditions of Contract are obtainable from the South African Institution of Civil Engineering (SAICE), Private Bag X200, Halfway House 1685, Tel: (011) 805 5947, Fax: (011) 805 5971, e-mail: civilinfo@saice.org.za.

Copies of the General Conditions of Contract are available for inspection and scrutiny at the offices of the Employer's Agent.

The General Conditions of Contract make several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the general conditions of contract.

The General Conditions of Contract shall be read in conjunction with the variations, amendments and additions set out in the Contract Specific Data below. Each item of data given below is cross-referenced to the clause in the General Conditions of Contract to which it mainly applies.

The Contract Data and General Conditions of Contract shall have precedence over the Drawings, Scope of Work and Standardised Specifications in the interpretation of any ambiguity or inconsistency between these documents.

CONTRACT SPECIFIC DATA

The following contract specific data, referring to the General Conditions of Contract for Construction Works, Third Edition, 2015, are applicable to this Contract:

Clause 1.1.1.13:

The Defects Liability Period is **12** months.

Clause 1.1.1.14:

The date for achieving Practical Completion is a date **five (6) months** after the Commencement Date.

Clause 1.1.1.15

The **Employer** is Ubuhlebezwe Municipality, represented by Mr. G.M Sineke and/or such person or persons duly authorised thereto by the Employer in writing and is referred to in this Contract

Document by the terms “Employer”.

Clause 1.1.1.16

The **Employer’s Agent**, referred to in the documents, and is Buchule Engineers (Pty) Ltd acting through a Director, an Associate or an official authorised thereto in writing.

The name of the Employer’s Agent is: Buchule Engineers (Pty) Ltd or their successors duly appointed by the Employer.

Clause 1.1.1.26: Pricing Strategy

The Pricing Strategy is Re-measurement Contract.

Clause 1.1.1.28

Replace with the following:

“**Scope of Work**” means the document(s) containing the Standard Specifications, the Project Particular Specifications and the Drawings, that specify and describe the Works which are to be provided, and any other requirements and constraint relating to the manner in which the work is to be carried out.

Add the following Clause after Clause 1.1.1.34

1.1.1.35 “Drawings” means all drawings, calculations and technical information forming part of the Tender Documents (other than information contained in the Specifications) and any modifications thereof or additions thereto from time to time approved in writing by the Employer’s Agent or delivered to the Contractor by the Employer’s Agent.

Clause 1.2.1.2: Notices

The name of the Employer is	:	UBUHLEBEZWE MUNICIPALITY
The address of the Employer is	:	29 Margaret Street, Ixopo, 3276
The name of the Employer’s Agent is	:	Buchule Engineers (Pty) Ltd
The address of the Employer’s Agent is	:	29 Claribel Road Windermere Durban 4001

Clause 1.3.5: Contractor’s Copyright

Add the following to Clause 1.3.5:

No part of any document or drawings issued with this enquiry may be copied, photographed or repeated in any manner or by any process without the written consent of the Employer’s Agent. Copyright is reserved on all designs, specifications, patents and patentable designs, systems and processes contained in the documents and drawings.

The person, firm, or body to whom these documents are issued or made available shall be held jointly and severally responsible in their personal and corporate capacities for any contravention of the requirements of Clause 1.3.5. The recipients of these documents shall treat the documents as well as the details contained herein as private and confidential.

Clause 3.2.3: Employer's Approval Required

The Employer's Agent is required to obtain the specific approval of the Employer before executing any of the following functions or duties:

1. Providing consent for subcontracting part of the contract in terms of Clause 4.4.
2. The issuing of an instruction to accelerate progress in terms of Clause 5.7.3.
3. Granting permission to work during non-working times in terms of Clause 5.8.1.
4. Suspend the progress of the works in terms of Clause 5.11.2.
5. The reduction of a penalty for delay in terms of Clause 5.13.2.
6. Issuing of instructions to carry out work on a day work basis in terms of Clause 6.4.1.4.
7. The determination of additional or reduced costs arising from changes in legislation in terms of Clause 6.8.4.
8. The agreeing of the adjustment of the sums for general items in terms of Clause 6.11.
9. Authorizing the Contractor to repair and make good excepted risks in terms of Clause 8.2.2.2.

Clause 4.3: Legal Provisions

Add the following Clauses after Clause 4.3.2:

- 4.3.3 The Employer and the Contractor shall enter into an agreement to complete the work required for the construction of the works in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act (No. 85 of 1993) and the Construction Regulations promulgated thereunder, as well as any further requirements stipulated in this contract document.
- 4.3.4 The Contractor shall provide proof to the Employer, within 14 days of the Commencement Date, that he/she has paid all contributions required in terms of the Compensation for Occupational Injuries and Diseases Act (Act No. 130 of 1993).

Clause 5.3: Commencement of Works

The Contractor shall commence executing the Works within 14 days from the Commencement Date.

Notwithstanding the above, the Contractor will not be permitted to commence executing the Works before the Form of Guarantee and required insurances and other specified items have been submitted and approved.

Clause 5.4: Access to the Site

Add the following clause after Clause 5.4.3:

- 5.4.4 The Contractor shall bear all costs and charges for special and temporary rights of way required by him in connection with access to the Site. The Contractor shall also provide at his/her own cost any additional facilities outside the Site required by him/her for the purposes of the Works.

Clause 5.6.1: Programme of Works

The Contractor shall deliver the programme of work within 14 days of the Commencement Date. The programme shall clearly show the order in which the Contractor proposes to carry out the work, including the critical path, the proposed rate of progress and a linked cash flow forecast. The programme shall be updated monthly.

Clause 5.8: Non-Working Times

The special non-working days is Saturday, Sunday, the days falling in the year-end break and all gazetted public holidays falling outside the year end break.

The year-end break commences on **15 December 2022** and ends on **07 January 2022**.

Clause 5.9: Instructions

Add the following Clauses after Clause 5.9.7:

5.9.8 Tender Drawings shall be used for tender purposes only and shall not be used for construction.

The Employer's Agent shall have full power and authority to supply to the Contractor from time to time during the progress of the Works copies of such further drawings and such instructions as shall be necessary for the purpose of the proper and adequate execution and maintenance of the Works, which the Contractor shall carry out and be bound by. **Clause 5.12.2.2: Extension of Time**

Regardless of the cause of any delay an extension of time will only be considered if it can be shown that the activity delayed is on the critical path indicated on the Programme of Works (Clause 5.6.1).

No extension of time will be granted in respect of any delays attributed to normal climatic conditions. Normal Climatic Conditions shall be deemed to include normal rainfall and associated wet conditions and materials, strong winds and extremes of temperature. However, in the event that delays to critical activities exceed the number of working days listed below for each month, then abnormal climatic conditions shall be deemed to exist, and an extension of time shall be granted in accordance with the provisions of that Clause.

The number of days quoted below shall be regarded as a fair estimate of the delays to be anticipated and allowed for under normal climatic conditions where inclement weather prevents or disrupts work on the critical path.

January	7 days	May	days	September	3 days
February	6 days	June	1 day	October	6 days
March	6 days	July	1 day	November	6 days
April	3 days	August	3 days	December	7 days

Claims for delays for abnormal climatic conditions shall be accompanied by substantiating facts and evidence, which shall be submitted timeously as each day or half-day delay is experienced. Should an extension of time be granted by the Employer's Agent such extension of time will be added to the Time for Completion or set against any over-provision that may have occurred in the abovementioned schedule.

It shall be further noted that where the critical path is not affected, no extension of time for abnormal climatic conditions or for any other reason will be entertained.

Clause 5.12.3: Adjustment to General Items

Add the following to Clause 5.12.3

The cost of time related general items will be calculated on the basis of the number of days in Clause 5.8.

Clause 5.13.1: Penalty for Delay

The penalty for failing to complete the Works on time is **R 1 500.00** per calendar day.

Clause 6.2: Security

The Deed of Guarantee is to be delivered to the Employer within 14 days of the Commencement Date. The Proforma Performance Guarantee shall be worded as set out in the document included in C1.5. The liability of the guarantee shall be for 10% of the Contract Price.

Clause 6.8.2: Contract Price Adjustment

Add the following to Clause 6.8.2:

The Contract Price shall not be subject to contract price adjustment.

Clause 6.10.1.5: Interim Payments – Materials on Site

The percentage advance on materials on site but not yet built into the Permanent Works is 80% (eighty percent).

Clause 6.10.3: Retention Money

Add the following to Clause 6.10.3:

The percentage retention on the amounts due to the Contractor is 10% (ten percent). The limit of retention is 5% of the Contract Price, including allowances for contingencies and Contract Price Adjustment.

A guarantee in lieu of retention is not permitted.

Clause 6.10.5: Payment of Retention Money

In the second line, delete the words “ .. one half of the retention money shall become due and paid to the Contractor when the Employer’s Agent shall have issued a Certificate of Completion in terms of Clause 5.14.4 and the other half when the Employer’s Agent ..” and replace with the words “.. the full limit of retention money shall be held until the Employer’s Agent

.. ”

Clause 6.10.5.1

In the sixth line, delete the words “ .. of the second half ..”

Clause 8.6.1: Insurances

Clause 8.6.1.1.2

The value of the materials supplied by the Employer to be included in the insurance sum is R0.00
-Nil.

Clause 8.6.1.1.3

The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is R0.00 -Nil.

Clause 8.6.1.3

The limit of indemnity for liability insurance is R10 000 000.00 for any single claim – the number of claims to be unlimited during the construction.

Clause 8.6.1.5: Additional Insurance

Additional Insurance is required for the following:

- a) Insurance of Construction Plant and Equipment (including tools, offices and other temporary structures and contents) and all other items (except those intended for incorporation into the Works) brought onto the site for a sum sufficient to provide for their replacement.
- b) Insurance in terms of the provisions of the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993.
- c) Motor Vehicle Liability Insurance comprising (as a minimum) "Balance of Third Party" Risks including Passenger Liability Indemnity.
- d) Where the contract involves manufacturing and/or fabrication of the works or part thereof at premises other than the Site, the Contractor shall satisfy the Employer that all materials and equipment for incorporation in the works are adequately insured during manufacture and/or fabrication. In the event of the Employer having an insurable interest in such works during manufacture or fabrication then such interest shall be noted by endorsement to the Contractor's Policies of Insurance.
- e) The insurance policy held by the Contractor shall cover "wet risks" because a portion of the works will be in the confines of an existing river and stormwater channel.
- f) Professional Indemnity Insurance providing cover in an amount of not less than R10 000 000.00 in respect of each and every claim. This insurance shall remain in force after completion of this contract for a period of not less than 1 (one) year.

Clause 8.6.6: Proof of Payment

Add the following:

The contractor shall within 14 days of the Commencement Date provide the Employer/Employer's Agent the relevant policy or policies of insurance.

Clause 9.2.1: Termination by the Employer

Add the following Clauses after Clause 9.2.1.3.7:

- 9.2.1.3.8 The Contractor fails to provide the required Guarantee and insurances within the prescribed time.
- 9.2.1.3.9 The Contractor committed a corrupt or fraudulent act during the procurement process or the execution of the contract.

9.2.1.3.10 An official or other role player committed any corrupt or fraudulent act during the procurement process or in the execution of the contract that benefited the Contractor.

Clause 10.5 and 10.6: Dispute Resolution

Dispute resolution shall be by ad-hoc adjudication.

ADDITIONAL CONDITIONS OF CONTRACT

The additional Conditions of Contract are:

Clause 11: Contractor to Provide Everything Necessary

The Contractor is to provide all labour, material, workmanship, machinery and everything which is or may be necessary in and for the execution and entire completion of the Contract in accordance with the Conditions of Contract, Drawings and Scope of Work.

Clause 12: Details to be Confidential

The Contractor shall treat the details of the Works comprised in this Contract as private and confidential (save in so far as may be necessary for the purposes hereof) and shall not publish or disclose the same or any particulars thereof in any trade or technical paper elsewhere without prior written consent of the Employer's Agent.

Part 2: Data Provided by the Contractor

Clause 1.2.1: Delivery of Notices

The name of the Contractor is

The address of the Contractor is

Physical Address	Postal Address
.....	
.	.
.....	
.	.
.....	
.	.
.....	
.	.
Telephone:.....	Fax:
.	
Email:.....	

SIGNED ON BEHALF OF/BY THE TENDERER:

NAME	SIGNATURE
CAPACITY	DATE

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

C1.3. Tenderer's Direct Participation of Targeted Labour

Applicable Standard Specification

The applicable Standard Specification is SANS 1914 – Part 4 (2002): Targeted Construction Procurement: Participation of targeted enterprises and targeted labour (local resources).

1. Definitions

With reference to clause 2 of SANS 1914-4, the following definitions shall apply to this schedule:

1.1 Targeted Labour

Individuals, employed by the contractor and his / her targeted enterprise in the performance of the contract, who are defined as the target group in the contract and who permanently reside in the target area or who are recognized as being residents of the target area on the basis of identification and association with and recognition by the residents of the target area.

1.2 Target Group

For this project the contract does not specify the target group based on gender, age or disability. However, specifically excluded from the Target Group is the contractor's own staff unless such staff are also from the Target Area. The minimum duration of employment for local labour is 3 months.

1.3 Target Area

For this project, the target area is defined as **Ward 8** of the **Ubuhlebezwe Municipal Area**.

1.4 Labour Maximisation

Labour maximisation shall contribute a minimum of **10%** of the value of works (excluding the value of work carried out by any specialist subcontractors for which there are no suitable targeted enterprises available).

Labour Intensive Construction / Use of Local Labour

This project does not qualify as EPWP. The contractor is encouraged to make use of local labour in order to promote labour intensive construction, the labour intensive works to be done under the contract is as stated below:

- Topsoil preparation for grassing
- Fencing
- line markings
- Bricklaying, Plastering of Ablution facility and Change rooms
- Painting Plastering of Ablution facility and Change rooms
- Laying segmented paving
- General cleaning

The minimum labour rate as specified by the relevant government departments will be used.

All people that will be required to perform the works will have to be trained by Department of Labour prior to the commencement of the project. The target beneficiaries for NSF funded skills development programmes are:

- Unemployed people, of whom, in aggregate, at least 85% should be black; 54% women, and 4% should be people with disabilities
- People who have recently been the victims of natural or social disasters
- Retrenched workers
- Young people
- People engaged in micro or survivalist entrepreneurial activities and currently not registered for the skills development levy

2. Conditions associated with the granting of preferences

The tenderer, undertakes to:

1. Engage one or more targeted labour in accordance with the provisions of the SANS 1914-4 as varied in section 3 hereunder;
2. Maximise labour-intensive practices for targeted enterprises as per EPWP.
3. Accept the sanctions set out in Section 2 below, should such conditions be breached;
4. Complete the Targeted Labour (CPG) calculation form contained in Section 4 below; and
5. Complete the Supporting Contract Participation Goal Calculation contained in Section 6 below.

3. Variations to the targeted construction procurement specification SANS 1914-4

The variations to SANS 1914-4 are set out below. Should any requirements of the variations conflict with requirements of SANS 1914-4 the requirements of the variations shall prevail.

3.1 Clause 3.3 Contract Participation Goal Credits

Calculations of the contract participation goals shall be based as a % of labour costs of the Net Amount (N_A) and not as calculated in accordance with Methods 1 or 2 in Annexure A of SANS 1914-4.

4. Sanctions

In the event that the Tenderer fails to substantiate that any failure to achieve the Contract Participation Goal was due to quantitative under runs, the elimination of items, or any other reasons beyond the Contractor's control which may be acceptable to the Employer, it shall be liable to pay to the Employer a financial penalty calculated in the following manner:

$$P = 0,50 \times (D - D_o) \times N_A$$

Where

- D = tendered Contract Participation Goal percentage.
D_o = the Contract Participation Goal which the Employer's representative based on the credits passed, certifies as being achieved upon completion of the contract.
N_A = Net Amount (actual contract expenditure, adjusted to exclude non-applicable expenditure such as expenditure specified by the Engineer for items with no local labour content and specialist contractors excluding VAT)

P = Rand value of penalty payable

5. Tender Contract Participation Goal in respect of targeted labour

I/We hereby tender a Contract Participation Goal of % (minimum: 10%) in compliance with the Employer's Socio-Economic Requirements.

The undersigned, who warrants that he/she is duly authorized to do so on behalf of the firm or sole proprietor confirms that he/she understands the conditions under which such preferences are granted.

Signature:

Name:

Duly authorized to sign on behalf of:

Telephone:.....

Fax:.....

6. Supporting Targeted Labour (CPG) calculation

TYPE OF TARGETED LABOUR	WORKING HOURS	RATE	TOTAL WAGE COST
Permanent labour*			
Temporary labour			
SMME labour			
		Total	

*Note: A tenderer may only claim permanent staff as eligible for preference points if said staff are also from the Target Area. Permanent staff is considered to be those who have been continuously employed by the tenderer for at least three months prior to the commencement of this project.

SIGNED ON BEHALF OF/BY THE TENDERER:

NAME

SIGNATURE

CAPACITY

DATE

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

C1.4. Tenderer's Direct Participation of Targeted Enterprises

Applicable Standard Specification

The applicable Standard Specification is SANS 1914 – Part 4 (2002): Targeted Construction Procurement: Participation of targeted enterprises and targeted labour (local resources).

1. Definitions

With reference to clause 2 of SANS 1914-4, the following definitions shall apply to this schedule:

1.1 Targeted Enterprise

Targeted Enterprises are those majority Black-owned SMMEs whose primary area of operation is within the uBuhlebezwe Municipality boundary. Where there are no suitable targeted enterprises within uBuhlebezwe Municipality boundary that can be engaged to supply particular goods and services required a suitable majority Black-owned SMME whose primary area of operation is within the Harry Gwala District Municipality boundary will be accepted as a targeted enterprise.

2. Conditions associated with the Contract Participation Goals (CPG)

The tenderer undertakes to:

- 1) Appoint targeted enterprises to undertake a minimum of **20 %** of the value of works (excluding the value of work carried out by any specialist subcontractors for which there are no suitable targeted enterprises available).
- 2) Maximize labour-intensive practices for targeted enterprises as per EPWP.
- 3) Deliver to the Employer, within 5 working days of being requested in writing to do so, a targeted Enterprise Declaration Affidavit in respect of all Targeted Enterprises engaged at prime contract level to satisfy Contract Participation Goal undertakings;
- 4) Accept the sanctions set out in Section 4 below should such conditions be breached.

3. Variations to the targeted construction procurement specification SANS 1914-4

The variations to SANS 1914-4 are set out below. Should any requirements of the variations conflict with requirements of SANS1914-4 the requirements of the variations shall prevail.

Clause 3.3 Contract Participation Goal Credits

Calculations of the contract participation goals shall be based as a % of targeted enterprise costs of the Net Amount (NA) and not calculated in accordance with Methods 1 or 2 in Annexure A of SANS 1914-4.

4. Sanctions

In the event that the tenderer fails to substantiate that any failure to achieve the Contract Participation Goal was due to quantitative under runs, the elimination of items, or any other reasons beyond the Contractor's control which may be acceptable to the Employer, it shall be liable to pay to the Employer a financial penalty calculated in the following manner:

$$P = 0.50 \times (D - D_0) \times N_A$$

Where

D = Tendered Contract Participation Goal percentage.

D₀ = the contract participation goal which the employer's representative based on the credits passed, certifies as being achieved upon completion of the contract.

N_A = Net Amount (actual contract expenditure, adjusted to exclude non-applicable expenditure such as specialist subcontractors, expenditure specified by the Employer's Agent for items with no local labour content and specialist contractors excluding vat)

P = Rand value of penalty payable

5. Contract Participation Goal in respect of targeted enterprises

I/We hereby tender a Contract Participation Goal of % (minimum: **20%**).

The undersigned, who warrants that he/she is duly authorized to do so on behalf of the tenderer confirms that he/she understands the conditions under which such Contract Participation Goals are approved and confirms that the tender satisfies the conditions pertaining to Contract Participation goals for direct participation of targeted enterprises.

Signature:

Name:

Duly authorized to sign on behalf of:

.....

Telephone:.....

Fax:.....

6. Supporting contract participation goal calculation

SCHEDULE ITEM NO	NAME OF SMME/BE	ITEM DESCRIPTION/GOODS AND SERVICES TO BE PROVIDED	VALUE (RANDS)
Total			

SIGNED ON BEHALF OF/BY THE TENDERER:

NAME

SIGNATURE

CAPACITY

DATE

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

C1.5 PROFORMA PERFORMANCE GUARANTEE

GUARANTOR DETAILS AND DEFINITIONS

“Guarantor: means:.....

Physical address:

.....

“Employer” means: UBUHLEBEZWE LOCAL MUNICIPALITY

“Contractor” means:”

“Employer’s Agent” means: Buchule Engineers (Pty) Ltd

“Works” means:.....

“Site” means:.....

“Contract: means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

“Contract Sum” means: The accepted amount inclusive of tax of R

Amount in words:.....

.....

“Guaranteed Sum” means: The maximum aggregate amount of R.....

Amount in words:.....

.....

“Expiry Date” means:.....

CONTRACT DETAILS

Employer’s Agent issues: Interim Payment Certificates, Final Payment Certificate and the Certificate Completion of the Works as defined in the Contract.

PERFORMANCE GUARANTEE

1. The Guarantor’s liability shall be limited to the amount of the Guaranteed Sum.
2. The Guarantor’s period of liability shall be from and including the date of issue of this Performance Guarantee and up to and including the Expiry Date or the date of issue by the

Employer's Agent of the Certificate of Completion of the Works or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.

3 The Guarantor hereby acknowledges that:

3.1 any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship;

3.2 its obligation under this Performance Guarantee is restricted to the payment of money.

4 Subject to the Guarantor's maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3: A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer's Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2;

4.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid;

4.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 4.

5 Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:

5.1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 5; or

5.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 5; and

5.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.

6 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.

7 Where the Guarantor has made payment in terms of 5, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.

- 8 Payment by the Guarantor in terms of 4 or 5 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 9 Payment by the Guarantor in terms of 5 will only be made against the return of the original Performance Guarantee by the Employer.
- 10 The Employer shall have the absolute right to arrange his/her affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his/her release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 11 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 12 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
- 13 This Performance Guarantee, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 14 Where this Performance Guarantee is issued in the Republic of South Africa, the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

SIGNED AT:.....

GUARANTOR (1)

SIGNATURE

DATE

CAPACITY

GUARANTOR (2)

SIGNATURE

DATE

CAPACITY

WITNESS (1)

SIGNATURE

WITNESS (2)

SIGNATURE

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

C1.6 OCCUPATIONAL HEALTH AND SAFETY AGREEMENT

**AGREEMENT MADE AND ENTERED INTO BETWEEN UBUHLEBEZWE MUNICIPALITY
(HEREINAFTER CALLED THE “EMPLOYER”) AND**

(Contractor/Mandatory/Company/CC Name)

**IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, ACT
No. 85 OF 1993 AS AMENDED.**

I,.....

Representing,as
an employer in its own right, do hereby undertake to ensure, as far as is reasonably practicable,
that all work will be performed, and all equipment, machinery or plant used in such a manner as
to comply with the provisions of the Occupational Health and Safety Act (OHSA) and the
Regulations promulgated thereunder.

I furthermore confirm that I am/we are registered with the Compensation Commissioner and that
all registration and assessment monies due to the Compensation Commissioner have been fully
paid or that I/We are insured with an approved licensed compensation insurer.

COID ACT Registration Number:.....

OR Compensation Insurer: Policy No.:.....

I undertake to appoint, where required, suitable competent persons, in writing, in terms of the
requirements of OHSA and the Regulations and to charge him/them with the duty of ensuring that
the provisions of OHSA and Regulations as well as the Council’s Special Conditions of Contract,
Way Leave, Lock-Out and Work Permit Procedures are adhered to as far as reasonably
practicable.

I further undertake to ensure that any subcontractors employed by me will enter into an
Occupational Health and Safety Agreement separately, and that such subcontractors comply with
the conditions set.

I hereby declare that I have read and understand the appended Occupational Health and Safety
Conditions and undertake to comply therewith at all times.

I hereby also undertake to comply with the Occupational Health and Safety Specification and
Plan.

Signed at on the day of 20.....

SIGNED BY/ON BEHALF OF CONTRACTOR - MANDATORY

NAME

SIGNATURE

DATE

SIGNED BY WITNESS:

NAME

SIGNATURE

DATE

Occupational Health and Safety Conditions

1. The Chief Executive Officer of the Contractor shall assume the responsibility in terms of Section 16(1) of the Occupational Health and Safety Act (as amended). Should the Contractor assign any duty in terms of Section 16(2), a copy of such assignment shall immediately be provided to the representative of the Employer as defined in the Contract.
2. All work performed on the Employer's premises shall be performed under the supervision of the construction supervisor who understand the hazards associated with any work that the Contractor performs on the site in terms of Construction Regulations 2014.
3. The Contractor shall appoint a Competent Person who shall be trained on any occupational health and safety aspect pertaining to them or to the work that is to be performed.
4. The Contractor shall ensure that he familiarizes himself with the requirements of the Occupational Health and Safety Act and that he/she, his/her employees, and any sub-contractors, comply with them.
5. Discipline in the interests of occupational health and safety shall be strictly enforced.
6. Personal protective equipment shall be issued by the Contractor as required and shall be worn at all times where necessary.
7. Written safe work procedures and appropriate precautionary measures shall be available and enforced, and all employees shall be made conversant with the contents of these practices.
8. No substandard equipment/machinery/articles or substances shall be used on the site.
9. All incidents referred to in terms of Section 24 of the Occupational Health and Safety Act shall be reported by the Contractor to the Department of Labour and the Employer.
10. The Employer hereby obtains an interest in the issue of any formal inquiry conducted in terms of Section 32 of the Occupational Health and Safety Act and into any incident involving a Contractor and/or his/her employees and/or his/her sub-contractor/s.
11. No use shall be made of any of the Employer's machinery/plant/equipment/substance/personal protective equipment or any other article without prior arrangement and written approval.
12. No alcohol or any other intoxicating substance shall be allowed on the site. Any person suspected of being under the influence of alcohol or any other intoxicating substance shall not be permitted access to, or allowed to remain on the site.
13. Prior to commencement of any work, verified copies of all documents mentioned in the agreement, must be presented to the Employer.

PART C2: PRICING DATA

UBUHLEBEZWE MUNICIPALITY
BID NO: UBU-B-03/05/22
CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08

C2.1 PRICING INSTRUCTIONS

1. Measurement and payment shall be in accordance with the relevant provisions of the COLTO Standard Specifications (1998 edition).
2. The units of measurement described in the Bill of Quantities are metric units. Abbreviations used in the Bill of Quantities are as follows:

Abbreviations used in these Bills of Quantities are as follows:

%	=	per cent	m ² .pass	=	square metre-pass
h	=	hour	m ³	=	cubic metre
ha	=	hectare	m ³ .km	=	cubic metre-kilometre
kg	=	kilogram	MN	=	meganewton
kℓ	=	kilolitre	MN.m	=	meganewton-metre
km	=	kilometre	MPa	=	megapascal
km-pass	=	kilometre-pass	No.	=	number
kPa	=	kilopascal	Prov sum	=	Provisional sum
kW	=	kilowatt	P C sum	=	Prime Cost sum
ℓ	=	litre	sum	=	lump sum
m	=	metre	t	=	ton (1 000 kg)
mm	=	millimetre	W/day	=	Work day
m ²	=	square metre			

3. Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance is made for waste.
4. The prices and rates to be inserted in the Bill of Quantities are to be the full inclusive prices for the work described under the items. Such prices and rates shall cover all costs and expenses that may be required in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices shall be used as a basis for assessment of payment for additional work that may have to be carried out.
5. It will be assumed that prices included in the Bill 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.sabs.co.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 amount tendered for 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 Bills of Quantities.
9. Reasonable compensation will be received where no pay item appears in respect of work required in the Bills of Quantities in terms of the Contract and which is not covered in any other pay item.
10. 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.
11. Descriptions in the Bill of Quantities are abbreviated and comply generally with those in the SANS 1200 Standardized Specifications.

C2.2 BILL OF QUANTITIES

Important Note

- This bill must be completed in black ink.
- Items not completed will be considered to be included in other items of this bill

SUMMARY OF SCHEDULES		
Section No.	Description	Amount (R)
1	Preliminary and General	
2	Site Clearance	
3	Earthworks	
4	Soccer Field	
5	Combi Court	
6	Change Rooms	
7	Ablution Facility	
8	Parking	
9	Fencing	
10	Sewer, water	
11	Stormwater Diversion & Irrigation system	
	Sub-Total A	
	Provisional Allowance for Contingencies (10% of Sub-Total B)	
	Total Construction Cost (excl VAT)	
	Value Added Tax at 15%	
	Total Construction Cost	

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SABS 1200 A PSA	<u>SECTION 1: PRELIMINARY AND GENERAL</u>				
1.1	8,3	<u>FIXED-CHARGE ITEMS</u>				
1.1.1	8.3.1	Contractual Requirements	Sum	1		
1.1.2	8.3.2	Establish Facilities on the Site:	Sum	1		
1.1.3		Facilities for the Engineer	Sum	1		
1.1.4		One contract name board	Sum	1		
1.1.5		Engineer's Office and Toilet	Sum	1		
		Facilities for Contractor as well as compliance with the requirements of the Environmental Specification				
1.1.6		Office, storage, workshops, laboratories	Sum	1		
1.1.7		Living Accommodation & toilet facilities	Sum	1		
1.1.8		Water, Electricity & Communication	Sum	1		
1.1.9		Tools & small equipment	Sum	1		
1.1.10		Dealing with Water	Sum	1		
1.1.11		Access	Sum	1		
1.1.12		Plant	Sum	1		
1.1.13	8.3.3	Other fixed-charge obligations	Sum	1		
1.1.14	8.3.4	Remove Contractor's Site Establishment on completion	Sum	1		
		The cost of Health & Safety measures in terms of the Construction Regulations (2003) of the Occupational Health & Safety Act including protective clothing	Sum	1		
1.2	8,4	<u>TIME-RELATED ITEMS</u>				
1.2.1	8.4.1	Contractual requirements	Month	6		
1.2.2	8.4.2	Operate and maintain facilities on the Site: Operate and maintain facilities on site for the Engineer				
CARRIED FORWARD TO NEXT PAGE						

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD FROM PREVIOUS PAGE						
1.2.3	8.4.2.1	Telephone	Month	6		
1.2.4		Facilities for Contractor for duration of construction, except where otherwise stated:				
1.2.4.1		Office, storage, workshops, laboratories	Month	6		
1.2.4.2		Living Accommodation & toilet facilities	Month	6		
1.2.4.3		Water, Electricity & Communication	Month	6		
1.2.4.4		Tools & small equipment	Month	6		
1.2.4.5		Dealing with Water	Month	6		
1.2.4.6		Access	Month	6		
1.2.4.7		Plant	Month	6		
1.2.5	8.4.3	Supervision for duration of the Contract	Month	6		
1.2.6	8.4.4	Company and Head Office over-head costs	Month	6		
1.2.7	8.4.5	Other time-related obligations	Month	6		
1.2.8	PC11	Community Liaison Officer	Month	6		
1.2.9	PS 12	Maintenance of Health & Safety Plan, including Risk Analysis, Safe Working Procedures and working methods.	Month	6		
1.2.10		Maintenance as well as compliance with the requirements of the Environmental Management Specification.	Month	6		
1.2.11	PSA 8.5.1	Provision for payment of CLO (R4800/Month)	Prov Sum	1	28 800,00	R 28 800,00
1.2.12		Provision for payment of Inservice Training Student (R5000/Month)	Prov Sum	1	30 000,00	R 30 000,00
CARRIED FORWARD TO NEXT PAGE						

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD FROM PREVIOUS PAGE						
1.2.13	PSA	Provisional Amount For the Relocation of Electricity	Prov Sum	1	200 000,00	R 200 000,00
1.2.13.1	8.5.3.1	Handling cost and profit on item 1.2.13	%	200 000		
1.3	8,7	<u>DAYWORKS</u>				
1.3.1		Labour	Prov Sum	1	20 000,00	R 20 000,00
1.3.2		Percentage adjustment to Labour above	%			
1.3.3		Materials	Sum	1		
1.3.4		Percentage adjustment to Materials above	%			
1.3.5		Plant	Sum	1		
1.3.6		Percentage adjustment to Plant above	%			
TOTAL OF SCHEDULE 1 CARRIED FORWARD TO SUMMARY						

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,0	SABS 1200 C	<u>Section 2: Site Clearance</u>				
2,1	8.2.1	Clear and Grub	ha	1,09		-
2,2	8.2.2	Remove and grub large trees and tree				
2.2.1		a) over 1 m and up to and including 2 m	No.	1,00		-
2.2.2		b) over 2 m and up to and including 3 m	No.	1,00		-
2,3	8.2.4	Reclear surfaces(only on instruction of the Engineer)	ha	1,50		-
Carried Forward to Summary						-

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3		SECTION 3: Earthworks				
3,1	8,3	Remove topsoil and grasses to a depth not exceeding 200mm. Remove the upper most 50mm from site & stockpile only 150mm remaining top soil as indicated by the engineer-in-charge	m ³	1629,08		
3,2		Bulk Excavation Excavate in all material and use for embankment or backfill or dispose as	m ³	3258,17		
3,3		Extra-over for:				
3.3.1		1) Intermediate excavation	m ³	814,54		
3.3.2		2) hard rock excavation	m ³	325,82		
3.3.4		3) boulder excavation, class A	m ²	100,00		
3.3.5		4) boulder excavation, class B	m ³	100,00		
CARRIED FORWARD TO SUMMARY						

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4,0		SECTION 4: SOCCER FIELD				
4,1		<u>CLEARING, EXCAVATION, LEVELLING, DRESSING, COMPACTION & EXTRAS</u>				
		TOPSOIL PREPARATION FOR GRASSING				
4.1.1		Topsoil: place, ex stockpile, selected soil 150mm thick, or as directed, no compaction	m ³	960		-
4.1.2		Extra-over for importation of materials from borrow-pits	m ³	300		-
4.1.3		Level surface to "turtle Back" shape using laser or other approved equipment	m ²	8250		-
4,2		FERTILIZER				
4,3		Supply, store and maintain				
4.3.1		2:3:2 fertilize	t	4		-
						-
4.3.2		Add and mix into topsoil layer Superphosphate at a rate of 50 g/m ²	m ²	8250		-
4,4		GRASSING				-
4.4.1		Plant an approved , instant lawn type Kikuyu grass (Pennisetum Clandestinum) in the Soccer Sports Field on the stockpiled topsoil	m ²	8250		-
4.4.2		roller/Sandpro tyres	m ²	8250		-
						-
4,5		WATERING				-
4.5.1		seeded to obtain moist conditions to not less than 150mm deep. (including cost of water and labour)	m ²	8250		-
4.5.2		Water and maintain newly planted areas immediately after planting and as often as directed by the engineer until grass is established. (established will be regarded as general cover with bare spots of no more than 10% and no spot to be larger than 250mm in diameter. Should cover not be adequate, in the opinion of the Engineer, re-seeding, at the Contractors expense, must be undertaken).	Sum	1		-
4,6		GRAND STANDS				
4.6.1		Grand Stands				
4.6.2		(i) Prefabricated steel grand stands fully installed with reinforced concrete bases as per detailed drawing	No.	2		-
4.6.3		(ii) Extra over for galvanising	No.	2		-
CARRIED FORWARD TO NEXT PAGE						-

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD FROM PREVIOUS PAGE						-
4,7		MOWING Mowing new established grass, when directed by the Engineer, using acceptable motorised mowers including disposal of cuttings offsite (3 visits)				
4.7.1			m ²	24750		-
4,8		LINE MARKINGS Apply 100mm wide white chalk lines to soccer fields including setting out of work				
4.8.1			m	700,00		-
4,9		POSTS Supply delivery and erection of fixed type senior size soccer goals with ground posts manufactured from 75mm x 50mm x 2,5 mm structural rectangular hollow tubing, hot-dip galvanised and white painted with QD enamel. Supply delivery and erection of heavy duty polypropylene soccer netting. Mesh size 120mm x 2.5mm chord. Complete with Hot-dip galvanised steel pegs to secure net to ground.				
4.9.1			No	2,00		-
4.9.2			No	2,00		-
4,1		MISCELLANEOUS Supply and erect 2500L polyethylene or similar approved water storage tank with 15mm lockable tap. Rate to include for tank foundation and platform 400mm high, labour and materials				
4.10.1			No.	1,00		-
TOTAL OF SCHEDULE 1 CARRIED FORWARD TO SUMMARY						-

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5		SECTION 5 : COMBINATION COURT <u>REFER TO DRAWING</u>				
5,1	SABS 1200DA	Earthworks				
5.1.1	8.3.1	Remove topsoil to nominal depth of 150mm and stockpile.	m ³	89		-
5.1.2	8.3.1	Cut to spoil.The rate to include 1 km freehaul				
5.1.2.1		a) soft excavation	m ³	89		-
5.1.2.2		b) hard rock excavation	m ³	9		-
5,2		Insitu Material				
5.2.1		Preperation and compaction of insitu material to a depth of 150mm to a minimum of 90% MOD AASHTO Density. The rate shall include scarifying , watering , shaping and compacting of material	m ³	89		-
5.2.2	8.3.2	Cut and shape to falls open earth drains around the court	m ³	50		-
5,3	SABS 1200G	Concrete (structural)				
5,4	8,2	Formwork				
5.4.1	8.2.5	smooth vertical plane to edges of slab, depth 200 mm	m	102		-
5,5	8,3	Reinforcement				
5.5.1		Supply & fix the steel bars as follows:				
5.5.2	8.3.2	High tensile welded mesh:Ref no. 193 (Playing courts)	m ²	594		-
5,6	8,4	Concrete				
5.6.1	8.4.3	Supply and cast grade 25MPa/19 mm concrete for court floor slab	m ³	45		-
5,6	8.4.4	Uniform Surface Finish				
5.6.1	8.4.4(b)	Steel floated finish - Heavy steel trowelling	m ²	594		-
5.6.2	8.4.4(d)	Very light brushing with hairbroom after casting of playing courts	m ²	594		-
CARRIED FORWARD TO NEXT PAGE						

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD FROM PREVIOUS PAGE						
5,7	8,5	Joints				
5.7.1		Expansion Joint to centre of court:				
5.7.2		20mm Wide gap containing a strip of closed cell expanded polyethylene	m	102		-
5.7.3		Key joint:				
5.7.4		Refer to drawing	m	102		-
5,8		Miscellaneous				
5,9		(Manufacture, Supply and Install complete, with all fastenings)				
5.9.1		Removable Netball post including basket ring and net	No.	2		-
5.9.2		Removable Volley Ball post including basket ring and net	No.	1		-
5.9.3		Removable Basket post including basket ring and net	No.	2		-
5,1		Paint				
5.10.1		Paint : 50mm wide white non-skid texture acrylic paint (2 coats)	m	500		-
5.10.2		Combi court dressing - Green waterborne emulsion coating (2 coats)	m ²	594		-
TOTAL OF SCHEDULE 1 CARRIED FORWARD TO SUMMARY						

ITEM NO	PAY	DESCRIPTION	UNIT	QTY		AMOUNT
6		SECTION 6A :BUILDING WORKS : CHANGEROOM				
6,1	<i>SANS 1200 D</i>	Refer to drawing UBLM/21-XV-A003 EARTHWORKS				
6,2		RESTRICTED EXCAVATION				
6.2.1		Wall footings	m³	20		
6.2.2	8.3.3	Extra over item 8.3.3.1 for				
6.2.3		Intermediate excavation	m³	4		
6.2.4		Hard rock excavation	m³	2		
6,3		RESTRICTED BACKFILLING				
6.3.1	8.3.9	Extra over items 8.3.3.1 for backfill or for fill material				
6,4		Selected material compacted to 93% mod				
6.4.1		Alongside walls in foundations	m³	3,5		
6.4.2		Under floors	m³	40		
6,5	<i>SABS 1200</i>	CONCRETE (ORDINARY BUILDINGS)				
6,6		REINFORCEMENT				
6,7		High tensile welded mesh				
			m²	130		
6,8		CONCRETE				
6.8.1	8.2.5	Strenght concrete 15Mpa/19mm				
6.8.2		Blinding	m³	8		
6.8.3		Mass concrete	m³	20		
6.8.4	8.2.5	Strenght concrete 20Mpa/19mm				
6.8.5		Surface beds & Apron	m³	20		
6.8.6	8.2.5	Strenght concrete 25Mpa/19mm				
6.8.7		Wall footings	m³	10		

ITEM NO	PAY	DESCRIPTION	UNIT	QTY	AMOUNT
BROUGHT FORWARD FROM PREVIOUS PAGE					
6,9		SURFACE FINISHES			
6.9.1		230mm Thick wall	m ²	126	
6.9.2		115mm Thick wall	m ²	83	
6,1		FACE BRICKWORK			
6.10.1	8.3.1	Extra over items 8.1.1 for face brickwork (allow R4500.00/1000 for purchasing and delivery of bricks to site excluding VAT			
6.10.2		Stretcher course bond	m ²	209	
6,11		SUNDRIES			
6.11.1	8.4.1	Brick reinforcing			
6.11.2		150mm Wide brickforce	m	217	
6,12		DAMPPROOFING			
6.12.1	8.5.1	Dampproofing			
6.12.3		375 Micron brickgrip dpc under walls	m ²	300	
6,13		LINTOLS			
6.13.1	8.6.1	Lintols			
6.13.2		75 x 110mm Prestressed concrete lintols	m	22	
6,14		PLASTER			
6.14.1		One coat 1:6 cement plaster			
6.14.2	8.8.1	Steel float finish to			
6.14.3		Walls	m ²	209	
6,14		PAINTWORK			
6.14.1		Paint Specifications: All painting shall be done in accordance with Plascon specifications.			
6.14.2		On walls.	m ²	209	
6.14.3		On Roof	m ²	30	
6,15		FLOORS			
6.15.1	8.9.4	200 x 200mm Terracota clay tiles (Allow R120.00/m ² for purchasing and delivery of tiles to site excluding VAT) fixed to screed (screed measured elsewhere) with 'approved tile adhesive and grouted with tile grout			
Carried Forward					

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY	DESCRIPTION	UNIT	QTY		AMOUNT
BROUGHT FORWARD FROM PREVIOUS PAGE						
6.15.2		Floors	m²	130		
6,17		PRESSED METAL DOORS AND FRAMES				
6.17.1		Steel door frames				
6.17.2	8.11.1	1,2mm Pressed steel door frames for				
6.17.3		Frame for door 900 x 2100mm high. wall (D1)	no	5		
6.17.4		1.2m X 1.2m ROLLER SHUTTER DOOR Main Entry	no	1		
6,18		STEEL WINDOWS				
6.18.1	8.14.1	Residential section complete with brickpattern burglar bars including chrome plated fittings				
6.18.2		Type W1 (E4H)	no	8		
6,19		ROOFING COVERING				
6.19.1		GALVANISED ROOF SHEETING AND ACCESSORIES				
6.19.2		Roof covering with pitch not exceeding 25 degrees.	m²	30		
6.19.3		Ridge capping.	m	27		
6.19.4		Narrow and broad flute closers.	m	27		
Carried Forward to Summary						

ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
6		SECTION 6A :BUILDING WORKS : ABLUTION BLOCK				
6,1	<i>SANS 1200 D</i>	Refer to drawing UBLM/21-XV-A003				
6,2		EARTHWORKS				
6,2		RESTRICTED EXCAVATION				
6.2.1		Wall footings	m ³	18		
6.2.2	8.3.3	Extra over item 8.3.3.1 for				
6.2.3		Intermediate excavation	m ³	3,6		
6.2.4		Hard rock excavation	m ³	1,8		
6,3		RESTRICTED BACKFILLING				
6.3.1	8.3.9	Extra over items 8.3.3.1 for backfill or for fill material against structures				
6,4		Selected material compacted to 93% mod				
6.4.1		Alongside walls in foundations	m ³	3		
6.4.2		Under floors	m ³	30		
6,5	<i>SABS 1200 GB</i>	CONCRETE (ORDINARY BUILDINGS)				
6,6		REINFORCEMENT				
6,7		High tensile welded mesh	m ²	127		
6,8		CONCRETE				
6.8.1	8.2.5	Strenght concrete 15Mpa/19mm				
6.8.2		Blinding	m ³	8		
6.8.3		Mass concrete	m ³	19		
6.8.4	8.2.5	Strenght concrete 20Mpa/19mm				
6.8.5		Surface beds & Apron	m ³	19		
6.8.6	8.2.5	Strenght concrete 25Mpa/19mm				
6.8.7		Wall footings	m ³	9		
6,9		SURFACE FINISHES				
6.9.1		230mm Thick wall	m ²	159		
6.9.2		115mm Thick wall	m ²	54		
Carried Forward						

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
6,1		FACE BRICKWORK				
6.10.1	8.3.1	Extra over items 8.1.1 for face brickwork (allow R4500.00/1000 for purchasing and delivery of bricks to site excluding VAT				
6.10.2		Stretcher course bond	m ²	214		
		SUNDRIES				
6.10.3	8.4.1	Brick reinforcing				
6.10.4		150mm Wide brickforce	m	213		
6,11		DAMPPROOFING				
6.11.1	8.5.1	Dampproofing				
6.11.2		375 Micron brickgrip dpc under walls	m ²	300		
6,12		SANITARY FITTINGS				
6.12.1		WH Basins:				
6.12.2		Laufen Jika Lyra wash hand basin (code:81427) size 500 x 475mm, with installation kit,waste,plug and	No	13		
6.12.3		URINALS:				
6.12.4		Laufen Jika Lyra Golem Syphonic urinal back inlet (code: 8.4306.1) with Golem trap housing for urinal	No	3		
6.12.5		Provision for Connection of all Sanitary Fittings and sanitary Plumbing including Duroplast Black toilet seat	sum	1		
6,13		LINTOLS				
6.13.1	8.6.1	Lintols				
6.13.2		75 x 110mm Prestressed concrete lintols	m	15		
6,14		PLASTER				
6.14.1		One coat 1:6 cement plaster				
6.14.2	8.8.1	Steel float finish to				
6.14.3		Walls	m ²	214		
Carried Forward						

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
6,15		PAINTWORK				
6.15.1		Paint Specifications: All painting shall be done in accor				
6.15.2		On walls. On walls.	m²	214		
6.15.3		On Roof	m²	25		
6,16		FLOORS				
6.16.1	8.9.4	200 x 200mm Terracota clay tiles (Allow R120.00/m² for purchasing and delivery of tiles to site excluding VAT) fixed to screed (screed measured elsewhere) with approved tile adhesive and grouted with tile grout				
6.16.2		Floors	m²	127		
6,17		PRESSED METAL DOORS AND FRAMES				
6.17.1		Steel door frames				
6.17.2	8.11.1	1,2mm Pressed steel door frames for				
6.17.3		Frame for door 900 x 2100mm high. wall (D1)	no	12		
6,18		STEEL WINDOWS				
6.18.1	8.14.1	Residential section complete with brickpatern burglar bars including chrome plated fittings				
6.18.2		Type W1 (W 750mm H 600)	no	11		
6.19		ROOFING COVERING				
		GALVANISED ROOF SHEETING AND ACCESSORIES				
6.19.1		Roof covering with pitch not exceeding 25 degrees.	m²	25		
6.19.2		Ridge capping.	m	27		
6.19.3		Narrow and broad flute closers.	m	27		
	1200GA	Septic tank as per detail shown Reinforced Concrete	NO	1		
		a) Floor Slab 125mm thick (25Mpa)	m3	30		
		b) Strip Footings (30Mpa)	m3	40		
		c) 1000mm wide x 125mm deep concrete apron cast in 3,2m panels to fall (25Mpa)	m3	20		
Carried Forward to Summary						

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7	1200MM	<u>SECTION 7: Ancillary Roadworks - Parkings</u>				
7.1	8,3,1	<u>Clear Site</u>				
7.1.1		a) Preparation and stripping of site/removal of topsoil to 100mm, stockpiling and maintaining	m ³	49		
7.1.2	8,3,3	Rip in-situ material to 150mm depth and recompoact to 93% MODAASHTO	m ³	74		
7.1.2	8,3,1,6	Import 150mm G7 quality material comoacted to 93% MODAASHTO	m ³	73,5		
7,2	1200MJ	<u>SEGMENTED PAVING</u>				
7.2.1	8,2,2	Supply and Lay 60mm paving blocks on 10mm sand	m ²	490		
CARRIED FORWARD TO SUMMARY						

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
8		SECTION 8: FENCING				
8.1.	SABS 1200 AH	<u>Fencing</u>				
8.1.1		Supply and install 2,4m high visibility, green, Clear view Fencing all materials and plant required for installation	m	503,00		-
8.1.2		4800mmx1800mm double swing gate vehicle and Pedestrian gate	No	2,00		-
Carried Forward to Summary						-

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
9		<u>SECTION 9: SEWER AND WATER</u>				
9.1	SABS 1200DB	<u>EARTHWORKS (PIPE TRENCHES)</u>				
9.1.1	8.3.1	<u>Site Clearance and Removal of Top soil</u> Clear vegetation and trees of girth up to 1m	m	300		
9.1.2	8.3.2 (a)	Excavate in all materials for trenches, backfill compact and dispose of surplus material for the following trench depths:				
9.2		<u>Trenches of width up to 900mm to accommodate pipes up to 315mm OD:</u>				
9.2.1		(a)Depth up to 2m	m	100		
9.3	8.3.5 (a)	<u>Existing services that intersect the trench</u>				
9.3.1		(i) Sewer mains - all diameters -provisional	No	1		
9.3		<u>SEWERS</u>				
9.3.1		Provision for a standalone sewerage system	Sum	1		
9.4		<u>WATER</u>				
9.4.1		Supply, Install water pump for borehole include all required pipe work and fittings , and connection to reticulation system	No	1		
9.4.2		Test and Drill fully functional borehole Residential Borehole (irrespective of depth) including fittings	Prov Sum	1	75 000	R 75 000,00
9.4.3		Allowance for Test and Drill fully functional borehole Residential Borehole on compensation and profit in respect of sub item 9.4.1	%	75 000		
9.4.4		Supply, Install water pump for domestic water usage tanks include all required pipe work and fittings , and connection to buildings	No	1		
9.4.4		5000l Jojo tank or similar approved for rain water haversting, complete with concrete stand. Rate to include excavations, concrete and reinforcement.	No	2		
9.4.5		5000l Jojo tank or similar approved for water borehole water storage	No	2		
9.4.6		Elevated Steel Tank Stand complete unit. Rate to include reinforced concrete bases and excavations for concrete bases .	No	2		
9.4.7		Water pump complete with a cage minium 60l/minute	No	1		
9.4.8		Supply and install standpipes, rate to include pipes, excavation and connection to water supply and concrete bases	No	2		
TOTAL OF SCHEDULE 1 CARRIED FORWARD TO SUMMARY						

Bid No: **UBU-B-03/05/22**
Construction of Xolani Vezi sport field – Ward 08

ITEM NO	PAY REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
10	1200MM	<u>SECTION 10: STORM WATER DIVERSION</u>				
10.1		<u>Supply and installation of stormwater all inclusive</u>	Prov Sum	1,00	210000,00	R 210 000,00
10.2		<u>Supply and installation of irrigation system with fittings- all inclusive</u>	Prov Sum	1,00	242500,00	R 242 500,00
10.3		Handling and Profit for ite 10,1 & 10,2	%	452500		
TOTAL OF SCHEDULE 1 CARRIED FORWARD TO SUMMARY						

C3. STANDARD SPECIFICATIONS

PAGE

C3.1 STANDARD SPECIFICATIONS

C3.2 PROJECT SPECIFICATIONS

C3.2.1 GENERAL

PS.1	PROJECT DESCRIPTION AND SCOPE OF CONTRACT
PS.1.1	Description of Works
PS.1.2	Description of Site and Access
PS.1.3	Nature of Ground and Subsoil Conditions
PS.2	PROGRAMME, METHOD OF WORK, AND ACCOMMODATION OF TRAFFIC
PS.2.1	Preliminary Programme
PS.2.2	Programme in Terms of Clause 12 of GCC 2015
PS.2.3	Requirements for Accommodation of Traffic
PS.2.3.1	General
PS.2.3.2	Basic Requirements
PS.2.3.3	Traffic Safety Officer
PS.2.3.4	Payment
PS.2.3.5	Pedestrian movement
PS.2.3.6	Temporary Reinstatement
PS.3	SERVICES
PS.3.1	Existing Services
PS.3.2	Proving Underground Services
PS.3.3	New Services and Relocation of Existing
PS.3.4	Accommodation of Services
PS.4	WATERMAINS
PS.4.1	General
PS.4.2	Water Main Valve Access
PS.4.3	Restriction on Compactive Equipment
PS.5	SEWERS
PS.5.1	Blockage of Foul Water Sewers
PS.6	STORMWATER
PS.6.1	Blockage Stormwater Sewers

C3. STANDARD SPECIFICATIONS

PS.7 ELECTRICAL PLANT

PS.8 TELKOM S.A. LIMITED PLANT

PS.9 MANAGEMENT OF THE ENVIRONMENT

PS.9.1 Natural Vegetation

PS.9.2 Fires

PS.9.3 Environmental Management Plan

PS.10 OCCUPATIONAL HEALTH AND SAFETY

PS.10.1 General statement

**PS.10.2 Health and Safety Specifications and Plans to be submitted at
tender stage C3.14**

PS.10.2.1 Employer's Health and Safety Specification

PS.10.2.2 Tenderer's Health and Safety Plan

**PS.10.3 Cost of compliance with the OHSA Construction Regulations
C3.15**

PS.11 PREFERENTIAL PROCUREMENT

C3.2.2AMENDMENTS TO THE STANDARD SPECIFICATIONS

C3.2.3ELECTRICAL AND TELKOM SERVICES

C3.2.4LANDSCAPE SPECIFICATIONS

C3.2.5CCTV SPECIFICATIONS

C3.3 PARTICULAR SPECIFICATIONS

PART C: ENVIRONMENTAL MANAGEMENT SPECIFICATION

PART D: DAYWORK

PART E: OHSA 1993 HEALTH AND SAFETY SPECIFICATION

PART F: JOINT VENTURE AGREEMENT SPECIFICATION

C3. STANDARD SPECIFICATIONS

C3.1 STANDARD SPECIFICATIONSStandard Engineering Specifications**Civil Engineering Standard Specifications**

The Standard Specifications forming part of this contract were compiled to cover all phases of work which are normally encountered in Civil Engineering Contracts. It is therefore possible that these specifications may cover work which is not applicable to this contract. The following is an indication of the standards and specifications that will have to be adhered to under this contract:

"Standardized Specifications for Civil Engineering Construction" SABS 1200.

This document is obtainable separately, and Tenderers shall obtain their own copies of the applicable sections. Although not bound in nor issued with this Document, the following Sections of the Standardized Specifications of SABS 1200 shall form part of this Contract:

SABS	A	-	1986	General
SABS	C	-	1982	Site Clearance
SABS	D	-	1990	Earthworks
SABS	DB	-	1989	Earthworks (Pipe Trenches)
SABS	DM	-	1981	Earthworks (Road, Subgrade)
SABS	GA	-	1982	Concrete (Small Works)
SABS	L	-	1983	Medium Pressure Pipelines
SABS	LB	-	1983	Bedding (Pipes)
SABS	LC	-	1981	Pipe Ducts and Cables
SABS	LD	-	1982	Sewers
SABS	LE	-	1982	Stormwater Drainage
SABS	M	-	1996	Roads (General)
SABS	ME	-	1981	Subbase
SABS	MF	-	1981	Base
SABS	MG	-	1996	Bituminous Surface Treatment
SABS	MH	-	1996	Asphalt Base and Surfacing
SABS	MK	-	1983	Kerbing and Channelling
SABS	MM	-	1984	Ancillary roadworks

The following SANS specifications are also referred to in this document and the Contractor is advised to obtain them from Standards South Africa (a division of SABS) in Pretoria.

SANS 1921 – 1 (2004): Construction and Management Requirements for Works Contracts

Part 1: General Engineering and Construction Works and where accommodation of traffic is involved:

SANS 1921-2 (2004): Construction and Management Requirements for Works Contracts; and

Part 2: Accommodation of Traffic on Public Roads Occupied by the Contractor.

C3. STANDARD SPECIFICATIONS

C3.2: PROJECT SPECIFICATIONS

The Project Specifications, consisting of two parts, form an integral part of the Contract and supplement the Standard Specifications.

Part A contains a general description of the Works, the Site and the requirements to be met.

Part B contains variations, amendments and additions to the Standard Specifications and, if applicable, the Particular Specifications.

In the event of any discrepancy between a part or parts of the Standard or Particular Specifications and the Project Specifications, the Project Specifications shall take precedence. In the event of a discrepancy between the Specifications (including the Project Specifications) and the drawings and / or the Schedule of Quantities, the discrepancy shall be resolved by the Engineer before the execution of the work under the relevant item.

The Standard Specifications, which form part of this contract, have been written to cover all phases of work normally required for road contracts, and they may therefore cover items not applicable to this particular contract.

C3. STANDARD SPECIFICATIONS

C3.2: PROJECT SPECIFICATIONS

PART A: GENERAL

1. DESCRIPTION OF THE WORKS

1.1 Employer's Objectives

The objective of the uBuhlebezwe Local Municipality is to construct a Sports field as per the Department of Sports and Recreation (DSR). The sport field should include the following

main soccer field: (110m x75m) (proposed size), combination courts, change rooms and ablutions, steel grand stands, Clear view fencing with vehicle and Pedestrian gate, Sewer with Septic tank and French drain, Water supply and irrigation system from Boreholes, and Stormwater Diversion.
The Sport field is to serve the community of the Somelulwazi Area and surroundings.

The beneficiaries of this project will be the community of Ward 8 which has a total population of 758 people derived from a 2011 census (<https://census2011.adrianfrith.com/place/597034>)

And a 0.81% yearly growth rate as provided by the UBuhlebezwe Local Municipality. All age groups will benefit from this project as this will not be used only for sports but will also include other community events as it is an open area with all the convenient facilities.

1.2 Location of the Works

The project is located in Ward 08 of uBuhlebezwe Local Municipality in the community of Somelulwazi which is located approximately 35.8km in the South-easterly direction of the Ixopo CBD. Access to the proposed site from the Ixopo CBD is through R612 road. Refer to the table below for the site coordinates: **Site Coordinates (centre of site)**

Latitude: 30° 17.211'S

Longitude: 30° 19.453'E

1.3 Overview of the Works

The project will involve the Construction of 110m x75m soccer field (Soccer field to average DSR and SAFA standards complete with goalposts) with a combo court for a multi sports mixed usage, changeroom and ablution facilities, grand stand seating, installation of ClearVu Fence and borehole.

1.4 Extent of the Works

The Contractor shall carry out all work required for the construction of Xolani Vezi Sportfield, including:

- (a) Site Establishment: Establishment of offices, tools, plants etc.
- (b) General requirements for construction activities.
- (c) Site Clearance.
- (d) Strip to stockpile topsoil.
- (e) ClearVu fence.
- (f) Foundations.
- (g) Buildings.
- (h) Earthworks.
- (i) Concrete works.
- (j) Accessories.

Such other works as may be deemed by Engineer for completion of project.

C3. STANDARD SPECIFICATIONS

Continuous quality control over materials and works, and compliance with the Particular Specifications with regard to environmental management and occupational health and safety, during all the above construction activities.

Finishing off. De-establishment after all construction activities and 6 months defects liability period.

1.5 Detailed Description of the Works

The following description is a broad outline of the works and does not limit the work to be executed by the Contractor in terms of the contract. The quantities of some of the major items indicated in this section are indicative, not absolute, and are provided to define in general terms the overall scope of the project.

Approximate quantities of each type of work to be carried out in accordance with the contract documents are listed in the Schedule of Quantities in Section C2.2.

The site shall not only comprise the proclaimed road reserve but shall be extended in the broader sense to take account of all areas occupied by the Contractor, be it deliberate or unintentional, in the execution of the contract. The site includes all the land within the proclaimed limits of the road reserve along the extent of the works, borrow pits and quarry sites, stockpile areas, locations set aside for construction and supervision accommodation and any other location required for the execution of the Works.

Incidental intrusion into private or tribal property outside the road reserve shall not be permitted without the owner's written authority. Any such agreement reached with a private or tribal landowner (occupier) shall include the proviso that any material or equipment on that site shall remain the exclusive property of the Employer in terms of the contract.

1.5.1 Access to the Site

The project, namely, the "construction of Xolani Vezi sport field – ward 08" The project is located in Ward 08 of uBuhlebezwe Local Municipality in the community of Somelulwazi which is located approximately 35.8km in the South-easterly direction of the Ixopo CBD. Access to the proposed site from the Ixopo CBD is through R612 road.

There is an existing gravel access road running along R612 to the proposed sports field, thus there is no need for the construction of an access road to the site.

PS.2 PROGRAMME, METHOD OF WORK, AND ACCOMMODATION OF TRAFFIC

This Clause is to be read in conjunction with the provisions and obligations as contained in SANS 1921-1 and SANS 1921-2.

PS.2.1 Preliminary Programme

The Contractor shall include with his tender a preliminary programme on the prescribed form (see Part T2.1 : List of Returnable Documents : **A5**) to be completed by all Tenderers. The programme shall be in the form of a simplified bar chart with sufficient details to show clearly how the works will be performed within the time for completion as stated in the Contract Data.

Tenderers may submit tenders for an alternative Time for Completion in addition to a

C3. STANDARD SPECIFICATIONS

tender based on the specified Time for Completion. Each such alternative tender shall include a preliminary programme similar to the programme above for the execution of the works, and shall motivate his proposal clearly by stating all the financial implications of the alternative completion time.

The Contractor shall be deemed to have allowed fully in his tendered rates and prices as well as in his programme for all possible delays due to normal adverse weather conditions and special non-working days as specified in the Special Conditions of Contract, in the Project Specifications and in the Contract Data.

PS.2.2 Programme in Terms of Clause 5.6 of the General Conditions of Contract

It is essential that the construction programme, which shall conform in all respects to Clause 5.6 of the General Conditions of Contract, be furnished within the time stated in the Contract Data. The preliminary programme to be submitted with the tender shall be used as basis for this programme.

The Tenderer's attention is drawn to the fact that a number of factors will affect the programming of and method of carrying out the works. The more important of these are:

- (1) In general, at least two (2) weeks notice is required by all the Municipal Departmental service organisations before the respective work teams can be deployed on site.
- (2) Vehicular access to private property is to be maintained at all times unless prior written permission to close the access has been obtained, by the Contractor, from the property owner / occupier, and approved of by the Engineer..
- (3) Works may be required out of normal hours on certain accesses. The Contractor shall make allowance for this, or provide alternative methods for construction during normal working hours (eg. steel plates).
- (4) Attention must be paid to the accommodation of pedestrians and traffic during the period of the contract. Adequately safe pedestrian accommodation must be provided for the full duration of the contract.
- (5) During construction of the main stormwater line, temporary access must be allowed to residents
- (6) The Contractor shall allow for all signs, barricades, delineators, and temporary road markings under the applicable items in the Bill of Quantities.
- (7) Those known, existing services in the area of the works have been depicted on the contract drawings. It is evident, however, that the status of existing service records as far as can be ascertained might not reflect the actual situation in the field. As

C3. STANDARD SPECIFICATIONS

such, due allowance has been made in the Bill of Quantities for the proving of services where directed by the Engineer.

PS.2.3 Requirements for Accommodation of Traffic

PS.2.3.1 General

The Contractor shall make provision for accommodating all pedestrian and vehicular movement in the area of the works. Allowance shall be made in the relevant rates for any barricades and signs required. Accommodation of traffic, where applicable, shall comply with SANS 1921-2 : 2004 : Construction and Management Requirements for Works Contracts, Part 2 : Accommodation of Traffic on Public Roads occupied by the Contractor. The Contractor shall obtain this specification from Standards South Africa if accommodation of traffic will be involved on any part of the construction works.

Clause 4.10.4 of SANS 1921-2 : 2004 shall be replaced with the following :

“Road signs and markings shall comply with the requirements of SANS 1200 MM and / or The South African Road Traffic Signs Manual - Volume 2 : Roadworks Signing”.

PS.2.3.2 Basic Requirements

The travelling public shall have the right of way on public roads, and the Contractor shall make use of approved methods to control the movement of his equipment and vehicles so as not to constitute a hazard on the road.

The Contractor shall ensure that all road signs, barricades, delineators, flagmen and speed controls are effective and that courtesy is extended to the public at all times.

Failure to maintain road signs, warning signs or flicker lights, etc, in a good condition shall constitute ample reason for the Engineer to suspend the work until the road signs, etc, have been repaired to his satisfaction.

The Contractor may not commence constructional activities affecting existing roads before adequate provision has been made to accommodate traffic in accordance with the requirements of this document and the South African Road Traffic Signs Manual.

The Contractor shall construct and maintain all temporary drainage works necessary for temporary deviations. The Contractor shall ensure that the existing property accesses are maintained at all times. Where necessary the Contractor shall make allowance in the rates for completing the work required to the accesses out of normal hours.

PS.2.3.3 Traffic Safety Officer

Where warranted by traffic conditions on or near the site, the Contractor shall nominate a

C3. STANDARD SPECIFICATIONS

suitable member of his staff as traffic safety officer to be responsible for the arrangement and maintenance of all the measures for the accommodation of traffic for the duration of the project. Duties of the traffic safety officer shall be in compliance with the Occupational Health and Safety Act 1993 and the Construction Regulations 2003.

PS.2.3.4 Payment

The Contractor's tendered rates for the relevant items in the Bill of Quantities shall include full compensation for all possible additional costs which may arise from this, and no claims for extra payment due to inconvenience as a result of the modus operandi will be considered.

PS.2.3.5 Pedestrian movement

The Contractor shall make provision for accommodating all pedestrian movements in the area of the works. Allowance shall be made in the relevant rates for any barricades and signs required.

PS.2.3.6 Temporary Reinstatement

Provided always that if in the course or for the purpose of the execution of the works or any part thereof any road or way shall have been broken up, then notwithstanding anything herein contained :

- (a) if the permanent reinstatement of such road or way is to be carried out by the appropriate authority or by some person other than the contractor (or any subcontractor to him), the contractor shall at his own cost and independently of any requirement of or notice from the Engineer be responsible for the making good of any subsidence or shrinkage or other defect, imperfection or fault in the temporary reinstatement of such road or way, and for the execution of any necessary repair or amendment thereof from whatever cause the necessity arises, until the end of the period of maintenance in respect of works beneath such road or way until the authority or other person as aforesaid shall have taken possession of the site for the purpose of carrying out permanent reinstatement (whichever is the earlier), and shall indemnify and save harmless that Council against and from any damage or injury to the Council or to third parties arising out of or in consequence of any neglect or failure of the Contractor to comply with the foregoing obligations or any of them and against and from all claims, demands, proceedings, damages, costs, charges and expenses whatsoever in respect thereof or in relation thereto.
- (b) where the authority or person as aforesaid shall take possession of the site as aforesaid in sections or lengths, the responsibility of the contractor under paragraph (a) of this subclause shall cease in regard to any such section or length at the time possession thereof is so taken, but shall during the continuance of the said period of maintenance continue in regard to any length of which possession has not been

C3. STANDARD SPECIFICATIONS

taken and the indemnity given by the contractor under the said paragraph shall be construed and have effect accordingly.

PS.3 SERVICES

This Clause is to be read in conjunction with the provisions and obligations as contained in SANS 1921-1 and SANS 1921-2.

PS.3.1 Existing Services (Read with SANS 1921-1 : 2004 clause 4.17)

The Tenderer's attention is drawn to the numerous existing services in the area. Although every effort has been made to depict these services accurately the positions shown must be regarded as approximate.

PS.3.2 Proving Underground Services

This clause must be read in conjunction with SANS 1921-1 : 2004 and SANS 1921-2 , the requirements of which shall be extended to cover all earthworks operations whether for trenching or bulk earthworks, in the vicinity of underground services.

It is stressed that all services in a particular area must be proven before commencing work in that area.

Insofar as bulk earthworks are concerned, where services are indicated on the drawings or where from site observations can reasonably be expected that such services are likely to exist where excavations are to take place, the Contractor shall without instructions from the Engineer carefully excavate by hand to expose and prove their positions.

The cost of the proving trenches is to be included in the work.

When a service is not located in its expected position the Contractor shall immediately report such circumstances to the Engineer who will decide what further searching or other necessary action is to be carried out and shall instruct the Contractor accordingly. The cost of this additional searching shall be to the Council's cost and shall be paid for under - Proving Existing Services.

Should any service be damaged by the Contractor in carrying out the works and should it be found that the procedure laid down in this clause has not been followed then all costs in connection with the repair of the service will be to the Contractor's account.

It should be noted that 33 000 Volt and 132 000 Volt cables may only be exposed by the Electricity Service Unit's personnel. The cables are usually protected by concrete covering slabs, and therefore if the slabs are inadvertently exposed, excavation work must stop, and the Electricity Service Unit shall be contacted immediately on the above telephone numbers.

C3. STANDARD SPECIFICATIONS

The requirements of this clause do not relieve the Contractor of any obligations as detailed under Clause 4.17 of SANS 1921-1.

PS 4 CONSTRUCTION AND MANAGEMENT REQUIREMENTS

PS 4.1 General

The Contractor is referred to SANS 1921: 2004 parts 1, 2, 3 and 5: Construction and Management Requirements for Works Contracts. These specifications shall be applicable to the contract under consideration and the Contractor shall comply with all requirements relevant to the project. Certain aspects however require further attention as described hereafter.

PS 4.2 Quality Assurance (QA) (Read with SANS 1921 – 1: 2004 clause 4.4)

The Contractor will be solely responsible for the production of work that complies with the Specifications to the satisfaction of the Engineer. To this end it will be the full responsibility of the Contractor to institute an appropriate Quality Assurance (QA) system on site. The Engineer will audit the Contractor's quality assurance (QA) system on a regular basis to verify that adequate independent checks and tests are being carried out and to ensure that the Contractor's own control is sufficient to identify any possible quality problems which could cause a delay or failure. The Contractor shall ensure that efficient supervisory staff, the required transport, instruments, equipment and tools are available to control the quality of his own workmanship in accordance with his QA-system. His attention is drawn to the fact that it is not the duty of the Engineer or the Engineer's representative to act as foreman or surveyor.

PS 4.3 Management and Disposal of Water (Read with SANS 1921 - 1 : 2004 clause 4.6)

The Contractor shall pay special attention to the management and disposal of water and stormwater on the site. It is essential that all completed works or parts thereof are kept dry and properly drained. Claims for delay and for repair of damage caused to the works as a result of the Contractor's failure to properly manage rain and surface water, will not be considered.

PS 4.4 Disposal of Spoil or Surplus Material (Read with SANS 1921 - 1 : 2004 clause 4.10)

The Contractor shall dispose all surplus and unsuitable material in legal spoil areas of his own choice. He shall be responsible for all arrangements necessary to obtain such spoil sites.

PS 4.5 Survey Beacons (Read with SANS 1921 - 1 : 2004 clause 4.15)

The Contractor shall take special precautions to protect all permanent survey beacons or pegs such as bench-marks, stand boundary pegs and trigonometrical beacons, regardless whether such beacons or pegs were placed before or during the execution of the Contract. If any such beacons or pegs have been disturbed by the Contractor or his employees, the

C3. STANDARD SPECIFICATIONS

Contractor shall have them replaced by a registered land surveyor at his own cost.

PS 4.6 Existing Services (Read with SANS 1921 - 1 : 2004 clause 4.17)

All known services are shown in the drawings however there may be other unknown services alongside the roadway. Work areas are to be proved for services prior to excavating for the works. Provision for proving of services is included in the Bill of Quantities.

The Contractor shall make himself acquainted with the position of all existing services before any excavation or other work likely to affect the existing services is commenced.

The Contractor will be held responsible for any damage to known existing services caused by or arising out of his operations and any damage shall be made good at his own expense. Damage to unknown services shall be repaired as soon as possible and liability shall be determined on site when such damage should occur.

PS 4.7 Management of the Environment (Read with SANS 1921 - 1 : 2004 clause 4.19)

The Contractor shall pay special attention to the following:

(a) Natural Vegetation

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.

(b) Fires

The Contractor shall comply with the statutory and local fire regulations. He shall also take all necessary precautions to prevent any fires. In the event of fire the Contractor shall take active steps to limit and extinguish the fire and shall accept full responsibility for damages and claims resulting from such fires which may have been caused by him or his employees.

PS 4.8 Overhaul

No payment will be made for overhaul on this contract.

PS 4.9 Security

The Contractor shall provide security watchmen for the contract as he deems fit at no extra cost to the Employer. The Contractor must ensure that all his employees as well as the employees of his subcontractors are able to identify themselves as members of the construction team.

C3. STANDARD SPECIFICATIONS

PS 5 CONSTRUCTION PROGRAMME

PS 5.1 Preliminary Programme

The Contractor shall include with his tender a preliminary programme on the prescribed form to be completed by all Tenderers. The programme shall be in the form of a simplified bar chart with sufficient details to show clearly how the works will be performed within the time for completion as stated in the Contract Data.

The Contractor shall be deemed to have allowed fully in his tendered rates and prices as well as in his programme for all possible delays due to normal adverse weather conditions and special non-working days as specified in the Special Conditions of Contract, in the Project Specifications and in the Contract Data.

PS 5.2 Programme in terms of Clause 5.6 of the General Conditions of Contract (3rd Edition, 2015)

It is essential that the construction programme, which shall conform in all respects to Clause 5.6 of the General Conditions of Contract (3rd Edition, 2015), be furnished within the time stated in the Contract Data. The preliminary programme to be submitted with the tender shall be used as basis for this programme. The Contractor's attention is also drawn to clause 5.7.1 of the General Conditions of Contract 3rd Edition, 2015).

PS 6 SITE FACILITIES AVAILABLE

PS 6.1 Contractor's camp site and depot(Read with SANS 1921 - 1 : 2004 clause 4.14)

The Contractor is responsible to provide a suitable site for his camp and to provide accommodation for his personnel and labourers whilst on site.

PS 6.2 Accommodations of Employees

No employees except for security guards will be allowed to sleep or be accommodated on the site. No housing is provided under this contract for the Contractor's employees and the Contractor shall make his own arrangements to house his employees and to transport them to site. No informal housing or squatting will be allowed on site

The Contractor shall provide the necessary ablution facilities at his camp site and the site of the works for the use of his employees.

PS 6.3 Power supply, water and other services

The Contractor shall make his own arrangements concerning the supply of electrical power, water and all other services. No direct payment will be made for the provision of

C3. STANDARD SPECIFICATIONS

electricity, water and other services.

The cost thereof shall be deemed to be included in the rates and amounts tendered for the various items of work for which these services are required, or in the Contractor's preliminary and general items as the case may be.

PS 7 SITE FACILITIES REQUIRED

PS 7.1 Sanitary Facilities

No sanitation facilities are provided at the camp site under this contract and the contractor will have to supply his own facilities. The facilities must comply with all applicable health standards and must be approved by the relevant health and environmental authorities.

PS 7.2 Telephone Facilities

The contractor will have to make his own arrangements for communication facilities which will enable the Engineer to make contact with him during normal office hours. All costs in this regard are for the contractors account and are not recoverable. If and when required, the contractor must make the telephone facilities available to the Engineer or his Representative for use on this contract.

PS 7.3 Facilities for Engineer

Facilities are required for the Engineer, other consultants, and Employer for meetings and other on site issues. Facilities should include air-conditioned boardroom with table and chairs to accommodate at least eight people.

PS 8 REQUIREMENTS FOR ACCOMMODATION OF TRAFFIC

PS 8.1 General

The Contractor will be responsible for the safe and easy passage of pedestrian and vehicle traffic past and on sections of roads of which he has occupation or where work has to be done near traffic.

PS 8.2 Basic Requirements

The travelling public shall have the right of way on public roads, and the Contractor shall make use of approved methods to control the movement of his equipment and vehicles so as not to constitute a hazard on the road.

The Contractor shall ensure that all road signs, barricades, delineators, flagmen and speed controls are effective and that courtesy is extended to the public at all times.

C3. STANDARD SPECIFICATIONS

Failure to maintain road signs, warning signs or flicker lights, etc, in a good condition shall constitute ample reason for the Engineer to suspend the work until the road signs, etc, have been repaired to his satisfaction.

The Contractor may not commence constructional activities affecting existing roads before adequate provision has been made to accommodate traffic in accordance with the requirements of this document and the South African Road Traffic Signs Manual.

The Contractor shall construct and maintain all temporary drainage works necessary for temporary deviations at his own cost.

The Contractor shall provide and grant access to persons whose properties fall within or adjoin the area in which he is working.

PS 8.3 Payment

The Contractor's tendered rates for the relevant items in the Bill of Quantities shall include full compensation for all possible additional costs which may arise from this, and no claims for extra payment due to inconvenience as a result of the modus operandi will be considered.

PS 9 OCCUPATIONAL HEALTH AND SAFETY (Read with SANS 1921 - 1: 2004 clause 4.14)

PS 9.1 General Statement

It is a requirement of this contract that the Contractor shall provide a safe and healthy working environment and to direct all his activities in such a manner that his employees and any other persons, who may be directly affected by his activities, are not exposed to hazards to their health and safety. To this end the Contractor shall assume full responsibility to conform to all the provisions of the Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the OHS Act 1993 Construction Regulations 2003 issued on 18 July 2003 by the Department of Labour.

For the purpose of this contract the Contractor is required to confirm his status as mandatory and employer in his own right for the execution of the contract by entering into an agreement with the Employer in terms of the Occupational Health and Safety Act in the form provided under Contract Data i.e. Forms to be Completed by Successful Tenderer.

C3. STANDARD SPECIFICATIONS

PS 9.2 Health and Safety Specifications and Plans to be submitted at Tender Stage

(a) Employer's Health and Safety Specification_

The Employer's Health and Safety Specification will be included in the tender documents as part of the Project Specifications.

(b) Tenderer's Health and Safety Plan_

The Tenderer shall submit with his tender his own documented Health and Safety Plan he proposes to implement for the execution of the work under the contract. His Health and Safety Plan must at least cover the following:

- (i) a proper risk assessment of the works, risk items, work methods and procedures in terms of Regulations 7 to 28;
- (ii) pro-active identification of potential hazards and unsafe working conditions;
- (iii) provision of a safe working environment and equipment;
- (iv) statements of methods to ensure the health and safety of subcontractors, employees and visitors to the site, including safety training in hazards and risk areas (Regulation 5);
- (v) monitoring health and safety on the site of works on a regular basis, and keeping of records and registers as provided for in the Construction Regulations;
- (vi) details of the Construction Supervisor, the Construction Safety Officers and other competent persons he intends to appoint for the construction works in terms of Regulation 6 and other applicable regulations; and
- (vii) details of methods to ensure that his Health and Safety Plan is carried out effectively in accordance with the Construction Regulations 2003.

The Contractor's Health and Safety Plan will be subject to approval by the Employer, or amendment if necessary, before commencement of construction work. The Contractor will not be allowed to commence work, or his work will be suspended if he had already commenced work, before he has obtained the Employer's written approval of his Health and Safety Plan.

Time lost due to delayed commencement or suspension of the work as a result of the Contractor's failure to obtain approval for his safety plan, shall not be used as a reason to claim for extension of time or standing time and related costs.

C3. STANDARD SPECIFICATIONS

PS 9.3 Cost of Compliance with the OHS Act Construction Regulations

The rates and prices tendered by the Contractor shall be deemed to include all costs for conforming to the requirements of the Act, the Construction Regulations and the Employer's Health and Safety Specification as applicable to this contract. Should the Contractor fail to comply with the provisions of the Construction Regulations, he will be liable for penalties as provided in the Construction Regulations and in the Employer's Health and Safety Specification.

Items that may qualify for remuneration will be specified in the Safety Specifications included or in the Project specifications.

4.1.3 AMENDMENTS TO THE STANDARD AND PARTICULAR SPECIFICATIONS

INTRODUCTION

In certain clauses the standard, standardized and particular specifications allow a choice to be specified in the project specifications between alternative materials or methods of construction and for additional requirements to be specified to suit a particular contract. Details of such alternative or additional requirements applicable to this contract are contained in this part of the project specifications. It also contains additional specifications required for this particular contract.

The number of each clause and each payment item in this part of the project specifications consists of the prefix PS followed by a number corresponding to the number of the relevant clause or payment item in the standard specifications. The number of a new clause or payment item, which does not form part of a clause or a payment item in the standard specifications and which is included here, is also prefixed by PS, but followed by a new number which follows on the last clause or item number used in the relevant section of the standard specifications.

PSA GENERAL (SABS 1200A)

PSA 3 MATERIALS

PSA 3.1 QUALITY

Where there is a standardization mark programme for any material, all such material supplied shall bear the official standardization mark.

Alternative materials or equipment proposed by the Contractor shall be tested. The test, as well as the materials or equipment, shall be approved by the Engineer prior to any such materials or equipment being built into the works and all costs involved in testing shall be deemed to be included in the rates tendered. All materials used on this contract shall comply with the requirements of the applicable SABS standards.

C3. STANDARD SPECIFICATIONS

PSA 3.3 Applicable Standards for Cement

The standard cement specifications SABS 471, SABS 626, SABS 831 and SABS 1466 have been withdrawn and are replaced by the new SANS 5197-1 and -2: Common cements, and SANS 50413-1 and -2: Masonry cement. These specifications will be applicable to this contract, and descriptions and types of cements specified, will be based on the designations as defined in these specifications.

PSA 3.4 ORDERING OF MATERIAL

The quantities set out in the Schedule of Quantities have been carefully determined from calculations based on data available at the time and should therefore be considered to be only approximate quantities. The contractor shall, before ordering material of any kind, check with the Engineer whether or not the scope of work for which the materials are required, is likely to change substantially. No liability or responsibility whatsoever shall be attached to the Employer for materials ordered by the Contractor except when ordered in accordance with the confirmation issued by the Engineer.

PSA 4 PLANT

PSA 4.2 CONTRACTOR'S OFFICE, STORES AND SERVICES

The Contractor's camp shall be kept neat and clean at all times and all surplus or rejected material shall be removed from the site. The Contractor shall make provision for the site office to be large enough to accommodate up to 8 persons and shall be accordingly furnished, and is also to include an air conditioner.

- Add the following additional Subclause :

PSA 4.2.1 Site Diary

A site diary in triplicate format, which will be supplied by Contractor, must be filled in on a daily basis and submitted to the Engineer on a weekly basis. No claims will be considered without the site diary schedules properly completed (on a daily basis) and submitted.

PSA 5 CONSTRUCTION

PSA 5.1 SURVEY

PSA 5.1.1 Setting out of the Works

For any new work the Contractor shall establish his own reference lines and points from which the work shall be set out. The Contractor is to provide and maintain his own survey equipment as required.

C3. STANDARD SPECIFICATIONS

PSA 5.5 DEALING WITH WATER ON WORKS

- **Add the following Subclause :**

PSA 5.5.1 In the event of the Works being flooded, it shall be noted that any claims for additional compensation for damage to the works due flooding, (not withstanding the magnitude thereof) will not be considered, as the additional insurance, resources or costs that may be required or incurred.

PSA 5.7 SAFETY

- Add the following Subclause :

PSA 5.7.1. The Contractor will refer to Particular Specifications, for the OHSA 1993 Safety Specification.

PSA 5.8 GROUND AND ACCESS TO WORKS

- **Add the following Subclause :**

Where necessary the contractor will make provision for temporary gates, ramps and roads to obtain access to the site. Where it involves these activities, the contractor will obtain the necessary approvals from the land owners to do so.

☐ On completion of operations the Contractor shall restore the ground surface, wherever it may have been disturbed, to its original condition by filling in all ruts with material similar to the material within the rut and leveling the ground and, where necessary, planting grass and shrubs as may be required. Any boundary fences which have been removed or damaged by his operations and activities shall be repaired and/or reinstated at the Contractor's expense.

A comprehensive photographic record of the existing site must be submitted to the engineer prior to commencement of any work in a particular area.

PSA 5.9 ACCOMMODATION OF TRAFFIC (Additional Clause)

Where construction work has to be carried out on or near public roads, the Contractor shall deal with traffic as specified in SANS 1921-2 (2004): Construction and Management Requirements for Works Contracts, Part 2: Accommodation of Traffic on Public Roads occupied by the Contractor. The Contractor is also referred to Project Specification PS 9.

C3. STANDARD SPECIFICATIONS

PSA 7 TESTING

PSA 7.2 APPROVED LABORATORIES

The Contractor is not required to provide a laboratory. All testing of materials be carried out by an approved/recognised laboratory selected by the Contractor and approved by the Engineer. All test results and relevant information shall be made available to the Engineer. The costs of normal process controlling tests shall be deemed to be included in the tendered rates.

PSA 8 MEASUREMENT AND PAYMENT

PSA 8.3 SCHEDULED FIXED CHARGE AND VALUE RELATED ITEMS

- **Add the following Subclause :**

PSA 8.3.3 The Contractor shall provide the Engineer with the initial pre-construction survey in a Modelmaker format and the costs associated to this initial survey shall be included in the tendered price under Fixed Charge items.

The Contractor shall provide to the Engineer, a marked up plan at an appropriate scale, as approved by the Engineer, of the completed bulk earthworks and finished levels. This is to include a list of coordinates, storm water drainage pipes, invert levels of stormwater inlets, outlets and manholes, sub-soil drains, earth and concrete drains, any cable ducts installed and the levels thereof.

Any services not shown on the drawings which the Contractor encounters when proving services shall also be shown regardless of whether it has been relocated or not. The tendered price for carrying out the abovementioned work or any similar work shall be inclusive of all costs, be it direct or indirect costs to the Contractor.

PSA 8.4 SCHEDULED TIME RELATED ITEMS

- PSA 8.4.5**
- a) The above mentioned as-built survey (Ref. PSA 8.3.3) shall be carried out immediately upon completion of any particular portion of the works. The as-built information shall be provided by the Contractor in a Modelmaker format and appropriate version of AutoCAD and shall be certified by the Contractor as a true reflection of the completed works. The tendered price for carrying out the abovementioned work or any similar work shall be inclusive of all costs, be it direct or indirect costs to the Contractor. A Certificate of Completion of Works will not be issued to the Contractor until such time that the Contractor provides the Engineer with the as-built information requested
 - b) This item shall be paid to the Contractor monthly pro-rata for his compliance with safety requirements as per this contract document.

C3. STANDARD SPECIFICATIONS

PSA 8.5 SUMS STATED PROVISIONALLY BY THE ENGINEER

PSA 8.5.1 (c) Payment to Authorities and Sub-Contractors

The amount allowed for payment to various authorities and nominated subcontractors for relocation of services or graves and the like shall be based on actual invoices or contracted costs approved by the Engineer. The Contractor will be required to make arrangements for the removal of the services and/or attend to subcontractors in accordance with his construction programme and then make the necessary payments. These additional costs shall be covered in the percentage allowed for attendance, overheads etc.

- a) Allowance for testing of materials eg. soils test in conjunction with PSA 7.2
- b) Allowance for the relocation of existing services
- c) Allowance for a community liaison officer (CLO)
- d) Allowance for the provision of a "Technical Support on site / Construction monitoring " to assist the Contractor.

B13.01 (d) Provisional sum for the provision of a "Technical Support on site / Construction monitoring " to assist the Contractor. Provisional Sum

B13.01 (e) Management Support Costs and profit in respect of subitem
B13.01(d) Percentage (%)

Expenditure under this item shall be made in accordance with Expenditure under this item shall be made in accordance with Clause 6.6 of the General Conditions of Contract 2015.

The tendered percentage is the percentage of the amount of expenditure approved by the Engineer under sub-item B13.01 (d), and shall include full compensation for the handling costs of the Contractor and the profit in connection with the management duties.

PSA 8.5.2 Relocation and Reinstatement of Services

The amount allowed for payment to various authorities and nominated subcontractors for relocation and reinstatement of services and payment shall be based on actual invoices or contracted costs approved by the Engineer. The Contractor will be required to make arrangements for the removal of the services and/or attend to subcontractors in accordance with his construction programme and then make the necessary payments. These additional costs shall be covered in the percentage allowed for attendance, overheads etc.

C3. STANDARD SPECIFICATIONS

PSA 8.5.3 CONNECTIONS (SABS 1921-1)

PSA 8.5.3.1 Payment for Connection to Municipal Electrical Network / Supply Authority

- a) A provisional sum of R 200 000.00 has been allowed for payment to the supply authority for the connection of electricity supply to the sportsfield site and completed electrical installation.
- b) The Contractor will be required to make payment to the supply authority and attend to any additional costs arising. These additional costs shall be covered in the percentage allowed for attendance, overheads etc.

PSA 8.5.3.2 Payment for Water Connection to Municipal Network / Supply Authority

- a) A provisional sum of R 100 000 has been allowed for payment to the water supply authority for the water connection to the sportsfield site.
- b) The Contractor will be required to make payment to the supply authority and attend to any additional costs arising. These additional costs shall be covered in the percentage allowed for attendance, overheads etc.

PSA 8.8.1 Main Access Road to Works

The tendered amount for this item shall be for the construction and maintenance of the main access road to the works and shall include for dealing with traffic including signposting, construction detours and general accommodation of vehicle and pedestrian traffic.

PSA 8.11 Specifications – New Combination Court:

Base

- Supply and lay concrete kerbing to court surrounds.
- Supply and lay plastic sheeting. This acts as a slip joint between platform and sub base to minimise movement, therefore assisting in the prevention of cracks on the playing surface.
- Our crusher run base goes in at 90mm thick and gets compacted to 80mm with 9.5 mm chip and spray

layers.

- Supply and lay filler coat.
- Compact Tene-Mesh into filler coat.
- Supply and lay 3 All Weather Surface, Final colour “Tenecon Green”; finishing 2 mm above the concrete kerb level.
- Paint lines in accordance with Netball and Volleyball and Basketball specifications.
- The court will have a fall across from corner to corner 1% to assist in the runoff of

C3. STANDARD SPECIFICATIONS

surface water.

Fencing

- Fencing height – 3.6-m (perimeter and division)
- Supply and install 2,4m high visibility, green, Clear view Fencing all materials and plant required for installation
- Access Gates (2)
- Fencing posts: All are hot dipped galvanised.
- Corner Posts: 76 mm x 2mm.
- Intermediate Posts: 48 mm x 2 mm.
- Top Rail: 32 mm x 2 mm
- Joiners: 27 mm x 2 mm

Accessories & Equipment

- Supply and install 4 sets of Netball rings and Nets.
- Supply and install 4 Volleyball nets.
- Supply and install 4 sets of Basketball backboards and slam dunk rings

PSA 9(D1000) DAYWORK (8.7)

Add the following:

"No work will be measured under dayworks unless

(a) it is agreed by the Engineer to be outside the specified scope of a measurement item in the Contract; and

(b) it is carried out in response to a written instruction by the Engineer; and

(c) the records of plant and labour are submitted daily for the consideration of the Engineer, and duly approved.

PSAB ENGINEER'S OFFICE

PSAB 3 MATERIALS

PSAB 3.1 NAMEBOARD

The Nameboard shall be to SABS 0120 Section AB and the names of the Employer, Engineer and Contractor shall be painted on the boards as ordered or as shown on **Page C6.3**

The Name board for this contract shall include the following: -

Client: UBUHLEBEZWE LOCAL MUNICIPALITY

Consulting Engineers: BUCHULE ENGINEERS (PTY) LTD

Contractor: NAME OF FIRM

C3. STANDARD SPECIFICATIONS

PSDM EARTHWORKS

PSDM 3 MATERIALS

PSDM 3.1 CLASSIFICATION FOR EXCAVATION PURPOSES

PSDM 3.1.2 Classes of excavation

The classes of excavation in clause 3.1.2 shall in general apply to all excavations where use is made of conventional methods and plant and equipment.

PSDM 3.3 SELECTION

PSDM 3.3.1 General

- **Add the following :**

Excavated material ordered by the Engineer to be temporarily stockpiled for later re-use, shall be stockpiled selectively in such a way that materials suitable for bedding or other special purpose, shall be kept separately from unsuitable material. The rates tendered for the supply and laying of pipes shall be inclusive of selecting bedding from bulk excavations. Payment for material required from borrow or commercial sources will only be if the Engineer has agreed in writing that he is satisfied that there is no suitable material available from normal and bulk excavations on site.

PSD 5 CONSTRUCTION

PSD 5.1 PRECAUTIONS

PSD 5.1.1 Safety

PSD 5.1.1.2 Safeguarding of excavations

- **Add the following subparagraph:**

(g) The Contractor or his agent or his representative shall not require or allow any person to work under unsupported overhanging material or in an excavation which is more than 1,5 m deep, and any excavation which has not been adequately supported or braced if there is a danger of the overhanging material or the sides of the excavation collapsing. The support, shoring or bracing to be designed and constructed by the Contractor, shall be strong and sturdy enough to support the sides of the excavation in question.

PSD 5.1.5 Trench Excavations (Additional Subclause)

The precautions for excavations as specified in Clause 5.1.1 of Section 1200 D, 1200 DA, and the relevant clauses in PSD, shall also apply to all trench excavations.

C3. STANDARD SPECIFICATIONS

The Contractor shall take all the steps necessary to ensure that no person is required or allowed to work in a trench or any other unsupported overhanging excavation which is more than 1,5 m deep, and any excavation which has not been adequately supported, shored or braced if there is any danger whatsoever of the sides of the excavation collapsing. The support, shoring or bracing to be designed and constructed by the Contractor, shall be strong and sturdy enough to support the sides of the excavation in question.

PSD 5.1.6 Explosives

Where blasting is required and the Contractor intends to use explosives, the Contractor shall inform the Engineer of his intention to use explosives at least 24 hours before the intended time of use. Should blasting be necessary, the Contractor shall take every precaution to protect the Works and persons, animals and property in the vicinity of the site as applicable in Subclause 5.1.1.3 of SABS 1200D.

PSD 5.2.2.1 Excavations for general earthworks and for structures

- **Add the following additional subparagraph:**

(f) The Contractor shall so plan his cut-to-fill operations that all excavated material is used in the manner that is most appropriate.

The Contractor shall conserve all suitable surplus material and he shall not borrow, spoil or waste any material unnecessarily. If excavated material designated for a particular purpose become contaminated, is incorrectly used or becomes unavailable through injudicious planning of excavation operations, the Contractor shall replace the contaminated material and make good any shortfall with material of quality at least equal to that of the said selected material.

Where selection of excavated material is required, the method of excavation shall be so arranged as to avoid double handling. Wherever possible, excavated material shall be placed in its final position without being stockpiled. If stockpiling is unavoidable, materials intended for different uses shall be stockpiled separately

PSD 5.2.2.3 Disposal

All excess excavated material not used for back filling shall be disposed of at a site to be found by the contractor and approved by the Engineer. The spoil site shall be finished off at the completion of the work s to the satisfaction of the Engineer.

C3. STANDARD SPECIFICATIONS

PSD 5.2.5 Transport of works

PSD 5.2.5.1 Freehaul

- **Add the following :**

For this contract all haul will be regarded as free haul and the cost of transportation of all materials will be deemed to be included in the rates and prices tendered in the Schedule of Quantities.

PSD 5.2.5.2 Overhaul

Overhaul will not be payable on this contract.

PSDB EARTHWORKS (PIPE TRENCHES)

PSDB 5.3 SITE CLEARANCE

- **Add the following :**

The scope of works for this item shall be deemed to be included in SABS 1200C and no separate payment for this item will be made.

C3. STANDARD SPECIFICATIONS

PSDK GABIONS AND PITCHING

PSDK 3.2 PITCHING

PSDK 3.2.1.2 Size

The pitching to be constructed shall have a minimum dimension of 110mm and mass 11kg.

PSDK 3.2.2 Grouted Pitching

All pitching in this contract shall be grouted pitching. The stone shall initially be embedded in "soft" concrete and then all voids shall be grout filled.

PSDM EARTHWORKS (ROADS, SUBGRADE)

PSDM 3 MATERIALS

PSDM 3.1 CLASSIFICATION FOR EXCAVATION PURPOSES

Material excavated other than hard rock and boulders will not be classified separately for purposes of measurement and payment. The unit rate for excavation shall cover excavation in soft and intermediate material. Boulders in excess of 0,25m³ only will be classified as hard rock for payment purposes.

PSDM 3.3 SELECTION

PSDM 3.3.1 General

Material which is suitable for selected layers from borrow shall be proposed by the Contractor for approval by the Engineer. The quality of such materials shall be proved before they are passed for use in selected layers.

C3. STANDARD SPECIFICATIONS

PSDM 5 CONSTRUCTION

PSDM 5.2 METHODS AND PROCEDURES

PSDM 5.2.3 Treatment of Soccer Field /Road-bed

PSDM 5.2.3.3 Treatment of Soccer Field /Road-bed

a) Preparation and Compaction of Road-bed

Where in-situ material in cut is suitable for selected layers, the selected layer shall be omitted and "road bed preparation" paid instead,

No selected fill or other foundation layers may be placed on the in-situ material until the Engineer has inspected the road-bed and given written instructions on the necessity or otherwise of road-bed preparation and compaction. No payment will be made for "roadbed preparation" unless instructed by the Engineer in writing.

- **Add the following :**

c) Platform preparation

The sportsfield platform shall be graded at 1% fall or otherwise instructed by the Engineer. The rate for road bed preparation and treatment, for the parking area, the building platforms for the change rooms and ablution facilities shall be included in this item and in payment items 8.3.3

a) and 8.3.3 b) respectively.

PSDM 5.2.4 Fill

PSDM 5.2.4.2 Placing and Compaction

- **Add the following to 5.2.4.2.f) 2) :**

"Imported coarse river sand from commercial sources for drainage layer shall be compacted to 100% MOD AASHTO"

PSDM 5.2.4.3 Finishing

- **Add the following to 5.2.4.3.e) :**

"The sportsfield topsoil shall be treated with inorganic super phosphates and organic

C3. STANDARD SPECIFICATIONS

compost (fertilizers), the rate of application being 50g/m² of sportsfield

- **Add the following to 5.2.4.3.f) :**

“The sportsfield shall be grassed/turfed with a heavy thick sod of instant “Cynodon Dactylon”. The sports field shall be continuously rolled, watered and fed with a top dressing of inorganic fertilizers for a period of one week. A daily maintenance program is to be implemented for a period of one week and shall included rolling, cutting, fertilizing, watering and re-leveling where required. The Contractor is to provide the Engineer with a detailed maintenance programme for approval.”

PSDM 5.2.8 Transport

PSDM 5.2.8.1 Freehaul

- **Add the following :**

For this contract all haul will be regarded as free haul and the cost of transportation of all materials will be deemed to be included in the rates and prices tendered in the Schedule of Quantities.

PSDM 5.2.8.2 Overhaul

Overhaul will not be payable under this contract.

C3. STANDARD SPECIFICATIONS

PSDM 8 MEASUREMENT AND PAYMENT

PSDM 8.2 COMPUTATION OF QUANTITIES

PSDM 8.2.4 Cut and Borrow to Fill and Cut to Spoil

a) Cut and Borrow to Fill

All fill materials will be measured to neat dimensions as calculated in fill. Borrow, cut to spoil and cut to fill shall be proportioned and arithmetic calculations made to compute the final borrow quantity. No payment will be made for wastage such as material spoiled from fills as unsuitable or for overfilling unless approved by the Engineer in writing. Royalties paid for borrow shall be paid by the Contractor for the actual quantity borrowed including wastage and not for the borrow as calculated above from arithmetic calculations. "As built" approved cross-sections will be used for reconciling quantities.

b) Cut to Spoil

The unit of measurement for material excavated below the surface of the natural ground under embankments or beneath the grade in cuts and classified as unstable or unsuitable will be cubic metre in cut to the neat dimensions ordered by the Engineer. All undercuts below structural layers shall be considered to be cut at the rate tendered.

The rate tendered shall include for excavation, handling and placing of material to spoil. The rate shall also include for haulage of excavated material with 2km and for trimming and shaping the slopes and surfaces of spoil dumps. Any negotiations with landowners etc, required for prior approval and final consent of spoil areas shall be deemed to be paid for in the rates submitted.

PSDM 8.3.13 SURFACE FINISHES

a) Topsoiling

- i) The rate shall cover the transport and spreading of the removed topsoil on verges and banks from the designated stockpile area on site. There will no separate payment for the transport of topsoil to site should the Contractor elect to stockpile the removed topsoil offsite.
- ii) The rate shall cover the transport, spreading and treatment of the topsoil from the designated stockpile area on site including ploughing, grading and initial levelling. The sportsfield topsoil shall be treated with inorganic super phosphates and organic compost (fertilizers), the rate of application being 50g/m² of sportsfield unless otherwise specified by the

C3. STANDARD SPECIFICATIONS

Engineer. The tendered rate for “topsoiling” under this payment item shall be inclusive of the rates for the fertilizer materials and processing thereof, and top dressing after grassing, and application thereof. There will no separate payment for the transport of topsoil to site should the Contractor elect to stockpile the removed topsoil offsite. (Also see PS 1.1.2)

- iii) The rate shall cover the transport, spreading and treatment of topsoil imported from approved commercial sources including ploughing, grading and initial levelling. The topsoil shall be treated with inorganic super phosphates and organic compost (fertilizers), the rate of application being 50g/m² of sportsfield unless otherwise specified by the Engineer. The tendered rate for “topsoiling” under this payment item shall be inclusive of the rates for the fertilizer materials and processing thereof, and top dressing with inorganic fertilizers after grassing, and application thereof. There will no separate payment for the transport of topsoil to site from the supplier. (Also see PS 1.1.2)

b) Grassing

The rate shall cover the grassing of the sportsfield with a heavy thick sod of instant cynodon-dactylon from approved commercial sources. The rate shall include the for the cynodon-dactylon sods, transport to site, the process of grassing to the suppliers specifications or by other methods specified by the Engineer, maintenance thereof and levelling as required. The sports field shall be continuously rolled, watered and fed with a top dressing of inorganic fertilisers (rate included under PSDM 8.3.13 a) for a period of one week.

C3. STANDARD SPECIFICATIONS

PSG CONCRETE (STRUCTURAL)

PSGA CONCRETE (SMALL WORKS)

PSG/PSGA-3 MATERIALS

PSG/PSGA-3.2 Cement

PSG/PSGA-3.2.1 Applicable specifications

The standard cement specifications SABS 471, SABS 626, SABS 831, SABS 1466 and SABS 1491, have been withdrawn and are replaced by SANS 50197-1: Common cements, and SANS 50413-1: Masonry cement. These specifications will be applicable to this contract and the descriptions and types of cements specified will be based on the designations as defined in these specifications.

PSG/PSGA 8 MEASUREMENT AND PAYMENT

PSG/PSGA 8.1 Measurement and rates

PSG/PSGA 8.1.2 Reinforcement

- Replace subclause 8.1.2.2 with the following:

PSGA 8.1.2.2 Mild steel and high tensile steel will be measured by mass for the diameters or range of diameters as scheduled.

Welded mesh will be scheduled separately for each type and mass per square metre of mesh."

- Replace subclause 8.1.2.3 with the following:

PSGA 8.1.2.3 The unit rate for steel bars shall cover the cost of supply, cutting, bending, placing in position, and fixing of the reinforcing and supporting steel scheduled. The rate shall also include the provision of all spacer devices and binding wire, as well as the cost of tests in terms of SANS 920.

The unit rate for welded mesh shall cover the supply, cutting and placing of mesh, as well as the cost of all waste due to laps.

C3. STANDARD SPECIFICATIONS

PSLE STORMWATER DRAINAGE

PSLE 8 MEASUREMENT AND PAYMENT

PSLE 8.2.1 a) The rate shall include the placement of Class C bedding and all associated works up to backfilling and re-instating layerworks where applicable or as ordered by the Engineer. The Contractor shall verify invert levels and satisfy himself that the pipes are laid to the correct design levels or otherwise specified by the Engineer. All concrete pipes shall be Class 75 Spigot and Socket pipes with interlocking joints and shall comply with SABS 677 requirements. The pipes shall be joined with rubber seal rings as per SABS 974.

Perimeter collector pipes (to subsoil drainage pipes) shall be 300mm diam. Class 34 Duraflow uPVC pipe on flexible bedding complete to Detail X on Dwg. 1000318-CIVIL-03. The rate shall cover the supply and laying of the pipes to the relevant details.

PSLE 8.2.1 b) SUBSOIL DRAINS

This item covers the drainage of the sportsfield with a sub-surface drainage system. This item is measured separately from 8.2.1 a) as follows :

- a) Construct subsoil drain complete incl. excavation and disposal of material. The unit of measurement for this sub-item is linear meter.
- b) Construct outlet headwalls to subsoil drain complete The unit of measurement for this sub-item is linear "No. of headwalls".
- c) Construct rodding eye. The unit of measurement for this sub-item is "No. of rodding eyes".
- d) Connect subsoil drains to catchpit or culvert headwall The unit of measurement for this sub-item is "No. of connections".

The rate shall include the construction of sub-items a), b), c) and d) complete as per the Details and the Contractor shall obtain the Engineer's approval prior to construction of these items.

C3. STANDARD SPECIFICATIONS

PSMK 8 MEASUREMENT AND PAYMENT

PSMK 8.2 SCHEDULED ITEMS

PSMK 8.2.1 : Kerbing and Channeling

Cast in-situ channeling will be paid per metre of channel constructed and the tendered rate shall include all plant and equipment and all associated work required for the construction of the in-situ channels.

PSMK 8.2.5 : Chutes

Measurement and payment for mite chutes shall be made in metres of chute constructed.

PSMK.8.2.8 Cast in-situ channels and Side Drains

- a) Measurement and payment will be made in metres of channel and drain constructed. The tendered rate shall include for all excavation, trimming, consolidation and soaking of the foundation, supply, placing and finishing and testing of the concrete, formwork and construction of expansion joints.

C3. STANDARD SPECIFICATIONS

PARTICULAR SPECIFICATIONS

4.1.4.1 ANCILLARY SPORTSFIELD WORKS AND OTHER ITEMS

4.1.4.1 a) GOAL POSTS

Goal posts shall be "in ground" goal posts made of steel tubing or aluminium painted white with QD enamel, complete with square mesh nets and foundation. The rate shall cover the supply of the goal posts, transport to site from supplier, complete installation and all associated materials and plant required to facilitate and complete the installation to the Engineers approval.

4.1.4.1 b) FIELD MARKING

The rate shall cover the setting out and marking of the sportsfield with an approved paint and shall include the for the provision of a marking machine which shall be handed over to the Employer in working condition after completion. Setting out marking of the sportsfield shall be carried out as follows :

- a) Primary lines - Field Marking Paint diluted 1:3 with water by brush or marking machine.
- b) Secondary lines - Field Marking Paint diluted 1:6 with water to previously marked lines by brush or marking machine.

4.1.4.1 c) IRRIGATION

The Contractor shall design a complete dragline irrigation system with associated pipes, pumps, sprinklers, tripods and other relevant fittings and allow for a 15Amp socket point. The design shall be approved by the Engineer prior to installation. The rate for this item shall be inclusive of the design of the system, all associated fittings and components of the irrigation system, the installation and testing of the system. The Contractor shall provide upon practical completion 2 No. operations and maintenance manuals to the Engineer which will be handed over to the Employer upon completion.

C3. STANDARD SPECIFICATIONS

PS.5 SEWERS

The contractor shall supply, lay and commission all sewer reticulation and manholes as per SANS DB and LD. Payment shall be with reference to Part PG and PH

PS.5.1 Blockage of Foul Water Sewers

The Contractor shall be responsible for ensuring that cementitious sludge, sand and rubble from the works do not enter the foul water reticulation system. The Contractor shall be liable for any costs incurred by the Council or others as a result of blockages in the reticulation system attributed to failure to comply with the above requirement.

PS.6 STORMWATER

SANS The contractor shall ensure that the stormwater system is constructed in accordance with LE and with reference the Standard Engineering Specifications.

PS.6.1 Blockage Stormwater Sewers

The Contractor shall be responsible for ensuring that cementitious sludge, sand and rubble from the works do not enter the stormwater reticulation system. The Contractor shall be liable for any costs incurred by the Council or others as a result of blockages in the reticulation system attributed to failure to comply with the above requirement.

PS.7 ELECTRICAL PLANT

Tenderers are to read this clause in conjunction with Clauses PS.2 and PS.5.

PS.7.1 General

Various types of electrical cables including high voltage, low voltage , street lighting and domestic connection cables are affected by the contract. The laying, relocation and jointing of all cables will be carried out by Ubuhlebezwe Electricity's work gangs, or agents appointed by them, whilst the excavation and backfilling forms part of this contract. Close liaison will therefore be necessary with Ubuhlebezwe Electricity throughout the contract.

PS.7.1 Street Lighting

The existing lighting will be removed in stages and replaced in the centre median / intersection corners. Relocation will take place during this contract and be executed by Metro Electricity or their agents. It is a requirement that the street lighting be operational at all times.

C3. STANDARD SPECIFICATIONS

PS.7.2 MV / LV Cables

Certain M.V, L.V. cables is to be replaced within the contract area (see drg 1800800000A0). The actual cable work associated with this relocation and / or replacement of these cables will be carried out by Municipality and it is stressed that the two week period referred to in Clause PS.2 is the minimum period required to enable Municipality Electricity to be on site timeously.

PS.7.3 Relocation of Existing Services

Should it be necessary to adjust the line, level and / or position of any service not catered for in the contract to enable the construction to proceed the Contractor shall on no account effect such adjustment himself but shall notify the Engineer who will arrange for the work to be carried out at no cost to the Contractor.

PS.8 TELKOM S.A. LIMITED PLANT

Tenderers attention is drawn to the fact that Telkom copper cables and fibre optic cables are existing in the contract area and reference is to made to "ELECTRICAL AND TELKOM SERVICES" – C3.2.3.

PS.9 MANAGEMENT OF THE ENVIRONMENT

The Contractor shall pay special attention to the following :

PS.9.1 Natural Vegetation

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.

PS.9.2 Fires

The Contractor shall comply with the statutory and local fire regulations. He shall also take all necessary precautions to prevent any fires. In the event of fire the Contractor shall take active steps to limit and extinguish the fire and shall accept full responsibility for damages and claims resulting from such fires which may have been caused by him or his employees.

PS.9.3 Environmental Management Plan

C3. STANDARD SPECIFICATIONS

In addition to the above, all requirements according to the Environmental Management Plan as detailed in C3.3, Particular Specifications, will be adhered to.

PS.10 OCCUPATIONAL HEALTH AND SAFETY

PS.10.1 General statement

When considering the safety on site the Contractor's attention is drawn to the following :

- (1) The area is bounded by residential properties.
- (2) The works will require machinery and plant of varying size.
- (3) The disposal of hazardous asbestos material.
- (4) The raw asphalt used will be delivered to site at a high temperature, which, after processing, remains hot for some time.
- (5) Deep excavations require protection of labour

It is a requirement of this contract that the Contractor shall provide a safe and healthy working environment and to direct all his activities in such a manner that his employees and any other persons, who may be directly affected by his activities, are not exposed to hazards to their health and safety. To this end the Contractor shall assume full responsibility to conform to all the provisions of the Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the OHSA 1993 Construction Regulations 2003 issued on 18 July 2003 by the Department of Labour.

For the purpose of this contract the Contractor is required to confirm his status as mandatary and employer in his own right for the execution of the contract by entering into an agreement with the Employer in terms of the Occupational Health and Safety Act in the form as included in Part T2.1 : List of Returnable Documents : Form K.

PS.10.2 Health and Safety Specifications and Plans to be submitted at tender stage

PS.10.2.1 Employer's Health and Safety Specification

The Employer's Health and Safety Specification is included in Part C.3 : Particular Specifications.

C3. STANDARD SPECIFICATIONS

PS.10.2.2 Tenderer's Health and Safety Plan

At tender stage only a brief overview of the tenderers perception on the safety requirements for this contract will be adequate. This will be attached to Part T2.1 : List of Returnable

Documents : Form K.

Only the successful Tenderer shall submit a separate Health and Safety Plan as required in terms of Regulation 5 of the Occupational Health and Safety Act 1993 Construction Regulations 2003, and referred to in Form K and in T2.1]

The detailed safety plan will take into consideration the site specific risks as mentioned under PS.10.1 and must cover at least the following :

- (i) a proper risk assessment of the works, risk items, work methods and procedures in terms of Regulations 7 to 28;
- (ii) pro-active identification of potential hazards and unsafe working conditions;
- (iii) provision of a safe working environment and equipment;
- (iv) statements of methods to ensure the health and safety of subcontractors, employees and visitors to the site, including safety training in hazards and risk areas (*Regulation 5*);
- (v) monitoring health and safety on the site of works on a regular basis, and keeping of records and registers as provided for in the Construction Regulations;
- (vi) details of the Construction Supervisor, the Construction Safety Officers and other competent persons he intends to appoint for the construction works in terms of Regulation 6 and other applicable regulations; and
- (vii) details of methods to ensure that his Health and Safety Plan is carried out effectively in accordance with the Construction Regulations 2003.

The Contractor's Health and Safety Plan will be subject to approval by the Employer, or amendment if necessary, before commencement of construction work. The Contractor will not be allowed to commence work, or his work will be suspended if he had already commenced work, before he has obtained the Employer's written approval of his Health and Safety Plan.

Time lost due to delayed commencement or suspension of the work as a result of the Contractor's failure to obtain approval for his safety plan, shall not be used as a reason to claim for extension of time or standing time and related costs

A generic plan will not be acceptable.

C3. STANDARD SPECIFICATIONS

PS.10.3 Cost of compliance with the OHSA Construction Regulations

The rates and prices tendered by the Contractor shall be deemed to include all costs for conforming to the requirements of the Act, the Construction Regulations and the Employer's Health and Safety Specification as applicable to this contract. Should the Contractor fail to comply with the provisions of the Construction Regulations, he will be liable for penalties as provided in the Construction Regulations and in the Employer's Health and Safety Specification.

Items that may qualify for remuneration will be specified in the Employer's Health and Safety Specification.

PS.11 PREFERENTIAL PROCUREMENT

For the purpose of this contract the Contractor shall comply with the preferential procurement statement provided in Part T1.2.3.14 of the Tender Data and the employers document contained in Section C3.3 : Particular Specifications.

C3.2.2 : AMENDMENTS TO THE STANDARD SPECIFICATIONS

INTRODUCTION

In certain clauses the standard, standardized and particular specifications allow a choice to be specified in the project specifications between alternative materials or methods of construction and for additional requirements to be specified to suit a particular contract. Details of such alternative or additional requirements applicable to this contract are contained in this part of the project specifications. It also contains additional specifications required for this particular contract.

The number of each clause and each payment item in this part of the project specifications consists of the prefix PS followed by a number corresponding to the number of the relevant clause or payment item in the standard specifications. The number of a new clause or payment item, which does not form part of a clause or a payment item in the standard specifications and which is included here, is also prefixed by PS, but followed by a new number which follows on the last clause or item number used in the relevant section of the standard specifications.

C3. STANDARD SPECIFICATIONS

PS.A GENERAL SPECIFICATION**INDEX****PAGE**

PS.A.1	SITE FACILITIES.....	C.92
PS.A.1.1	Temporary Offices for Engineer and Staff.....	C.92
PS.A.1.2	Contractor's Camp Site and Depot.....	C.92
PS.A.1.3	Accommodation of Employees.....	C.93
PS.A.1.4	Power Supply, Water and other Services.....	C.93
PS.A.2	SERVICES CONNECTION FEE.....	C.93
PS.A.3	TELEPHONE.....	C.94
PS.A.4	ROAD DEVIATIONS AND TRAFFIC CONTROL.....	C.94
PS.A.5	PROGRESS PHOTOGRAPHS.....	C.94
PS.A.6	NOTICE BOARD.....	C.95

C3. STANDARD SPECIFICATIONS

PS.A.1 SITE FACILITIES

PS.A.1.1 Temporary Offices for Engineer and Staff

Temporary offices for Engineer and staff is not required for this project and the offices of Rocpoint will be utilised for contract meeting which will be held every two weeks on Tuesday mornings, dates to be confirmed. The contractor shall however shall provide within the contractors camp a table or drawing desk free of other material for discussion perposes.

PS.A.1.2 Contractor's Camp Site and Depot

The Contractor is responsible to provide a suitable site for his camp and to provide accommodation for his personnel and labourers. If the Employer can make any specific site available to the Contractor, such site will be pointed out to the Contractor. The proposed site is site 5.13 of the Durban Point Waterfront Development.

(a) Contractor's Camp Site / Store Yard

The recommended position of the camp site/store yard will be pointed out by the Engineer. However the Contractor may, if he prefers to have a camp site at another location of the work, site it elsewhere provided that he first obtains the written permission of the landowner, and subsequently the Engineer, to do so.

Any clearing of the site that is necessary and the making good after de-establishment will be the responsibility of the Contractor.

In addition to the requirements of SABS 1200A Clause 8.3.2.2 the following conditions shall also apply :

- (i) None of the existing roads shall be damaged in any way.
- (ii) No waterborne sewerage facilities or potable water connection are available on the site. The Contractor shall make his own arrangements in this regard.
- (iii) No electrical facilities exist on site.
- (iv) It shall be the responsibility of the Contractor to make good any damage caused to the camp site area or any improvements on it, including services, and for reinstating it to its former condition when vacated. The standard of reinstatement must be to the satisfaction of the Engineer; Director : Real Estate and/or Director of Parks, Recreation and Beaches Department; or other owner. Particular attention should be directed to these requirements and written clearances from the relevant Departments or other owners will be required.

C3. STANDARD SPECIFICATIONS

PS.A.1.3 Accommodation of Employees

No employees except for security guards will be allowed to sleep or be accommodated on the site in urban areas.

No housing is available for the Contractor's employees and the Contractor shall make his own arrangements to house his employees and to transport them to site.

No informal housing or squatting will be allowed.

The Contractor shall provide the necessary ablution facilities at his camp site and the site of the works for the use of his employees. Chemical toilets only will be allowed where temporary facilities have to be provided.

PS.A.1.3 Power Supply, Water and other Services

The Contractor shall make his own arrangements concerning the supply of electrical power, water and all other services. No direct payment will be made for the provision of electricity, water and other services. The cost thereof shall be deemed to be included in the rates and amounts tendered for the various items of work for which these services are required, or in the Contractor's preliminary and general items as the case may be.

(a) Water for Works

The Contractor shall allow in his Establishment rates for the securing of a suitable water supply, the payment of any connection fee and for any water charges for the duration of the contract.

(b) Power Supply for Works

The power supply authority is Ubuhlebezwe Electricity Service Unit. The Contractor will be responsible for arranging for whatever temporary supplies may be required and he will be required to bear all costs involved and to pay the ruling tariffs applicable to such supplies.

PS.A.2 SERVICES CONNECTION FEE

Further to Clause AB.2.3 a prime cost item has been included in Part 1.A1.1.1 in the Bill of Quantities. This item covers the connection fee for the following services to the camp site area for the Engineer's office :

- | | | | |
|-------|---------------------|---|---|
| (i) | Electricity | : | Connection of one single phase 220 volt 60 amps electrical supply to the site distribution box. |
| (ii) | Telephone/facsimile | : | 3 No. lines - one with fax facility. |
| (iii) | Water | : | 25 mm Diameter connection. |

C3. STANDARD SPECIFICATIONS

Should the Contractor require either additional connection or an increased power supply any additional costs shall be to the Contractor's account.

PS.A.3 TELEPHONE

The contractor shall not be required to provide a site telephone.

PS.A.4 ROAD DEVIATIONS AND TRAFFIC CONTROL

- (a) Allowance has been made in the Bill of Quantities for those deviations listed below only. Costs of any additional deviations required by the Contractor shall be included in the rates tendered.

It shall be assumed that if no deviations are listed then no deviations will be measured as part of this contract.

DEVIATION DESCRIPTION	CLASS
Across the corner of site 5.13	100mm G5 graded and maintained

- (b) Deviations required by the Contractor shall comply with the requirements of Clause AB.7. Details shall be submitted to the Engineer for approval at least two weeks in advance of date on which it is anticipated that work on the deviation will commence.
- (c) On deviations provided in terms of (b) above the Contractor shall ensure at all times and during all weather conditions that all temporary surfaces that are intended to carry traffic are in fact trafficable with regard to reasonable standards of safety and comfort. No additional payment shall be made to the Contractor for compliance with this clause.
- (d) Unless indicated otherwise over the entire length and for the duration of the contract, traffic is required to be accommodated in both directions at all times.

The Contractor shall ensure that the full width of the road is available for traffic during the peak traffic periods (i.e. 07:00 - 08:30 and 16:00 to 17:30).

- (e) At all times signposting shall be detailed in the part of this document : "Safety in Road Construction".

PS.A.5 PROGRESS PHOTOGRAPHS

A provisional sum has been included for the photographs to be taken at the discretion of the Engineer

C3. STANDARD SPECIFICATIONS

PS.A.6 NOTICE BOARD

The typical notice board layout is given in Part C6.3. The following requirements shall apply with regards to the notice board.

PS.D.2 GEOTECHNICAL INFORMATION

There is no geotechnical report available at the moment.

C3. STANDARD SPECIFICATIONS

PS.DB EARTHWORKS FOR PIPE TRENCHES**INDEX****PAGE**

PS.DB.1	BEDDING AND BACKFILL MATERIALS	C.97
PS.DB.1.1	General	C.97
PS.DB.1.1	Watermains.....	C.97
PS.DB.1.2	Sewer Pipes.....	C.97
PS.DB.1.3	Stormwater Pipes	C.97
PS.DB.1.4	Telkom Ducts.....	C.98
PS.DB.2	EXCAVATION AND BACKFILLING - EXISTING SERVICES	C.98
PS.DB.3	EXCAVATION, BACKFILLING AND REINSTATEMENT OF TRENCHES.....	C.98
PS.DB.4	SHORING OF TRENCHES TO EXCAVATIONS	C.99

C3. STANDARD SPECIFICATIONS

PS.DB.1 BEDDING AND BACKFILL MATERIALS

PS.DB.1.1 General

- 1) The measurement for bedding shall be the total through length along the centre of the pipeline measured HORIZONTALLY with deductions made for line valve chambers.
- 2) Bedding material required for the backfill of bell holes will be paid for by the Council.
- 3) The unit of measurement for bedding shall be the Linear Metre (m), and the rate shall include for the placing and compacting of the bedding material up to the underside of the backfill for the various pipe diameters.
- 4) Separate items have been included in the Bill of Quantities for the provision of bedding material from a Contractor's commercial source.

PS.DB.1.1 Watermains

- 1) "Earthworks for Pipe Trenches", only a clean sand containing no particles of diameter exceeding 10mm, having a Plasticity Index (P.I.) not exceeding 10 and free from vegetation and lumps shall be used for the bedding cradle and selected fill blanket. It is anticipated that most of the bedding material will have to be provided from an off-site source. Bedding shall be constructed to the dimensions required for Class 'C' bedding.
- 2) Contractors are advised that the choice, placement and compaction of bedding and backfill materials are critical to the satisfactory performance of steel pipes. Therefore strict adherence to all specifications in this regard will be enforced.

PS.DB.1.2 Sewer Pipes

- 1) Bedding for the sewers shall be class "C" for rigid pipe or "flexible" for flexible pipes. Where the sewer pipe offered is classified in accordance with SABS 0102 part 1 1987 as a rigid pipe, the bedding shall be class "B" and for flexible / semi-flexible pipes, the bedding shall be as for flexible pipes as detailed in the Standard Engineering Specification Part DB, Earthworks for pipe trenches. However in the case of flexible / semi-flexible pipes the material to be used in the selected fill blanket and selected fill bedding cradle shall be selected granular material.

PS.DB.1.3 Stormwater Pipes

- 1) All bedding to stormwater pipes on this Contractor shall be either Type "B" or Type "C"

C3. STANDARD SPECIFICATIONS

PS.DB.1.4 Telkom Ducts

- 1) "Earthworks for Pipe Trenches", only a clean sand containing no particles of diameter exceeding 10 mm, having a Plasticity Index (P.I.) not exceeding 10 and free from vegetation and lumps shall be used for the bedding cradle and selected fill blanket. It is anticipated that most of the bedding material will have to be provided from an off-site source. Bedding shall be constructed to the dimensions as is detailed on drawing 38589 : "Telkom Cable Ducts and Junction Box Details".

PS.DB.2 EXCAVATION AND BACKFILLING - EXISTING SERVICES

The Tenderer's attention is drawn to the presence of existing services in the area. The Contractor may find it impractical to use mechanical plant for excavation on some portions of the works due to conditions caused by the presence of these services.

The Tenderer's attention is further drawn to the fact that his rates for excavation and backfilling must include for all costs associated with working around these existing services and their protection and accommodation, as no claim for extra payment will be accepted for increased working space or for the inability to use plant in any circumstances.

PS.DB.3 EXCAVATION, BACKFILLING AND REINSTATEMENT OF TRENCHES

- 1) It is considered that portion of the excavated material will not comply with the specification for material suitable for backfilling. It will be the Contractor's responsibility to use selective methods of excavation to ensure that this unsuitable material does not contaminate other materials suitable for reuse.
- 2) It is anticipated that a significant portion of the material excavated for trenches in existing natural ground is likely to be classified as "Rock" in terms of Part DB and that blasting methods will be employed to facilitate excavation. Tenderers are to note that the unit of measurement shall be the linear metre (m), and that the rate tendered shall be inclusive of all work or operations necessary to drill, blast, excavate, backfill, spoil or stockpile the material.
- 3) It is considered that portion of the excavated material will not comply with the specification for material suitable for backfilling in areas subject to traffic loading. An item has been included in the Bill of Quantities for the disposal of unsuitable material to tip and the Contractors tendered rate for this item shall include for stockpiling if deemed necessary.
- 4) Where the Contractor chooses to trench by open excavation e.g. battering sides of

C3. STANDARD SPECIFICATIONS

the trenches, this over-excavation shall not be backfilled with unsuitable excavated material but shall be backfilled with the same imported material as used for the pay-width of the trench. Payment for the imported backfill shall be limited to the pay-width of the trench only and the Contractor shall allow in his rates for any extra backfill material that may be required as a result of over-excavating

- 5) Notwithstanding the method of trench excavation adopted by the Contractor, the restriction on the maximum trench width must be strictly adhered to. Should the Contractor over-excavate the trench then he will be responsible for increasing the pipe strength and / or bedding class to be used, all to his cost.

The measurements for excavation shall be the total through-length along the centre-line of a pipeline measured HORIZONTALLY with deductions for manholes. In addition, trench depth will be measured vertically on the centre-line of the pipeline from the existing ground level to the invert level.

PS.DB.4 SHORING OF TRENCHES TO EXCAVATIONS

The Contractor shall be responsible for the design and installation of all shoring where applicable, which must not only comply with all of the relevant safety regulations pertaining to the provision of safe working conditions in earthwork excavations but also will provide sufficient lateral support to minimise any damage to adjacent structures, services or road surfaces.

In addition to the above all excavations in road reserves and adjacent to structures and where excavations are in excess of 1,5 m in depth shall be supported with close shoring and no open or intermittent shoring of any description will be permitted.

The minimum requirements for shoring of these trench excavations shall be as follows :

- 1) Either ribbed steel trench sheeting of suitable thickness with an edged return for interlocking or suitably sized timber poling boards or runners are to be used. Adequate sized walings at suitable intervals are to be provided. Struts shall consist of either adjustable tubular steel jacks or timber suitably sized for the load application.
- 2) The shoring for the excavations shall be progressively installed as the excavation proceeds. Care being taken to ensure the soil is not removed within a minimum 300 mm of the toe of the runners.
- 3) Installation of shoring after the trench has been excavated to a depth in excess of 1,5 m is not acceptable.
- 4) Details of the proposed shoring must be supplied to the Engineer at least two weeks

C3. STANDARD SPECIFICATIONS

before the operation commences. During the backfilling, the sides of the trench including the road layers above any over-excavated sections are to be cut back to a point behind the over excavation.

- 5) No separate item has been allowed for in the Bill of Quantities and the Contractor shall allow in his excavation rates for shoring as necessary.

The cutting back of the trench sides shall be to the Contractor's account.

C3. STANDARD SPECIFICATIONS

PS.PF PRESSURE PIPELINES - OTHER THAN STEEL WATERMAINS**INDEX****PAGE**

PS.PF.1	COVER TO WATERMAIN.....	C.101
PS.PF.2	A.C. mPVC AND POLYPROPYLENE PIPES AND FITTINGS	C.101
PS.PF.3	HYDRANT ASSEMBLIES	C.102
PS.PF.4	WATER CONNECTION PIPEWORK.....	C.102
PS.PF.5	WATER FOR TESTING	C.103
PS.PF.6	TESTING OF PIPELINE.....	C.103
PS.PF.7	STERILISATION OF PIPELINE	C.104
PS.PF.8	VALVE COVERS AND MARKER POSTS	C.104
PS.PF.9	TIE-IN TO EXISTING PIPEWORK.....	C.104
PS.PF.8	AIR VALVE ASSEMBLIES	C.104

C3. STANDARD SPECIFICATIONS

PS.PF.1 COVER TO WATERMAIN

Cover to the top of the asbestos cement pipe is to be in the range 0,9m to 1,1m over the entire site. At the road crossings, no watermain is to be laid until the roadworks are far enough advanced to provide a minimum of 800mm cover to top of pipe. Under no circumstances may heavy road compaction equipment be employed above the watermain unless this condition has been met. The Contractor is to take cognisance of this fact insofar as his water main programme is concerned and is to make allowance for such in his rates. Cover to the water connection pipework and all 50mm diameter pipework shall be in the range of 0,5m to 0,6m.

PS.PF.2 A.C. mPVC AND POLYPROPYLENE PIPES AND FITTINGS

All mPVC pipe and fittings shall be manufactured in accordance with the current ASWIC Specification R55:1993 and shall be **Class 12 and 16** pipe.

All A.C. pipe and fittings shall comply with the requirements of Clause PF.3.3.

75mm diameter pipe shall be spigot and socket end mPVC pipe with outside diameter (O.D.) = 75mm.

100mm and 150mm diameter pipe may be either :

- i) Spigot and socket end mPVC pipe with outside diameter (O.D.) = 122 or 177mm respectively, or
- ii) Class 'D' COD A.C. pipe in 4m lengths.

200 and 300mm diameter pipe shall be Class 'D' COD A.C. pipe in 4m lengths.

Notwithstanding Clause PF.3.3.5 of Part PF : Pressure Pipelines : Other than Steel. The use of polypropylene fittings will be accepted provided that :

- a) The fittings shall be fabricated from pipes with a working pressure rating of 1600 kPa or higher i.e. Class 16 or higher pipe;
- b) The fittings shall be capable of withstanding a test pressure of 1800 kPa for a minimum period of 2 hours without showing evidence of leaks, deformation, sweating or other modes of failure; and
- c) The fittings have the same O.D. as asbestos cement pipes and may be joined to asbestos cement pipes using conventional A.C. couplings or cast iron clips. Prior to approving the use of polypropylene pipe fittings, the Engineer will require that the Contractor submits written confirmation from his proposed supplier that such materials conform with the above requirements.

C3. STANDARD SPECIFICATIONS

All 15mm, 22mm, 28mm, 54mm diameter plastic pipe and 100mm diameter polypropylene pipe shall be supplied by the Council. Notwithstanding the requirements of Clauses DB.6.2 and DB.8.3.3, all 15mm, 22mm, 28mm and 54mm diameter pipes shall be laid in trenches 300mm wide and 600mm deep measured from finished road or verge levels, whichever is applicable. Pipe bedding shall be Class C.

PS.PF.3 HYDRANT ASSEMBLIES

The position of all hydrant assemblies are shown on the drawing. The hydrant assembly details are shown on drawing 44606.sh4.

Separate items have been included in the Bill of Quantities for the collection from Springfield Water Store of materials and the installation thereof.

The hydrant assembly will include the hydrant valve, (supplied by the Council) but not the hydrant tee which will be measured separately. Payment for the collection from Springfield Water Store of the hydrant assembly materials shall include the following:

- i) Collection of all components as follows: valve, duckfoot bends, standard hydrants, flanged clips, clamps, triangular hydrant valve sheath, etc., Number 5 water valve cover and concrete spacer rings above the valve spindle. (Note: nuts, bolts washers and gaskets are excluded).
- ii) Delivery to site and storage as necessary.

Payment for the installation of each hydrant assembly shall include the following:

- a) Excavation, selecting or importing of backfill material, backfilling and compacting including additional compaction within road reserves;
- b) Preparation of trench bottom, supply, placing and compacting of bedding materials;
- c) Laying and jointing of all hydrants to final verge level, valves, specials and fittings necessary to make the hydrant assembly complete including anchor blocks behind the duckfoot bend as detailed;
- d) Application of Corrosion Protection to all cast iron fittings in accordance with Part PF;
- e) Installation of precast concrete spacer rings and No. 5 water valve cover over hydrant valve;
- f) Painting of standard hydrant and No. 5 cover with primer and two coats of an approved yellow enamel paint;
- g) Stencilling in black paint on the hydrant on the face opposite the hydrant valve and in characters not smaller than 80mm in height, the distance of the valve from the hydrant;
- h) Supply and installation of "Klinger" ring gaskets to hydrant points.

The testing of the hydrant assemblies shall be conducted concurrent with the testing of the

C3. STANDARD SPECIFICATIONS

pipeline and the cost for testing the hydrant assemblies should therefore be included under the relevant item for testing of the pipeline.

PS.PF.4 WATER CONNECTION PIPEWORK

All connections to existing water meters shall be positioned directly opposite the meter.

PS.PF.5 WATER FOR TESTING

Water for testing shall be made available free of charge in the first instance but for the subsequent tests shall be charged to the Contractor's account.

A water connection will be provided by Authorities of Water for filling the pipeline for testing purposes.

The Contractor shall, at his own cost, provide a suitable means of conveying water from this connection to the mains to be tested, as well as a connection on the new pipeline in order that it may be filled.

This connection shall be capped or removed to the satisfaction of the Engineer upon completion of the hydraulic test. Payment of this shall be allowed for under the rates for the hydraulic testing of the pipeline.

PS.PF.6 TESTING OF PIPELINE

All A.C. /mPVC pipe shall be tested in accordance with Clause PF.7. All reticulation pipework laid shall be tested simultaneously. The Engineer's approval shall be obtained prior to the commencement of acceptance testing of any length of pipework.

Although the Contractor may elect to test shorter sections of the pipework for his own benefit, no such intermediate tests will replace the final acceptance test of the pipework, and all costs associated with such intermediate tests will be to the Contractor's account.

Connections from the new reticulation to existing shall be facilitated by end caps or spade-pieces at valves, as detailed on the construction drawings. When all roadworks and earthworks are complete, the temporary water connection shall be disconnected and the new reticulation shall be pressure tested for hand-over. The successful passing of this final test will indicate acceptance of the new pipework. The new reticulation will then be tied into the existing by the Council.

The test pressure shall be 1200 kPa measured at the lowest point in the pipeline. Hydrant

C3. STANDARD SPECIFICATIONS

and water connection valves are to be left in the open position so that the hydrant and water connection assemblies are pressurised to the test pressure at the same time. (N.B. The cost of testing all hydrants and water connection pipework shall be included in the rate for hydraulic testing of pipeline and for payment purposes measurement will be based on the length of water reticulation pipework only, i.e. the lengths of the water connection pipework and hydrant will not be measured). The minimum duration of the test shall be 1 hour. During this time the pressure may be allowed to fall to a minimum of 1000 kPa, whereupon it must be immediately increased to 1200 kPa. A record is to be kept of the volume of water pumped into the pipeline in each instance.

The Contractor shall ensure that the test takes place during normal working hours i.e. from 07:30 to 17:00.

It will be necessary for the Contractor to install a cast iron saddle and ferrule at all high points in the watermain to facilitate the bleeding of air from the pipeline during filling. The ferrule is to be removed upon the successful completion of the hydraulic test and shall be replaced with a brass cap which can be screwed into the saddle.

An item has been included in the Bill of Quantities for this work.

PS.PF.7 STERILISATION OF PIPELINE

Notwithstanding the requirements of Clause PE.5.8, the sterilisation of the pipeline with Calcium Hypochlorite does not form part of this contract. However, the pipeline is still to be flushed in accordance with Clause PF.5.8.

PS.PF.8 VALVE COVERS AND MARKER POSTS

All valve covers shall be orientated so that they open in the direction of flow as shown on the standard drawing, and shall be painted yellow. A valve marker post shall be installed in the verge adjacent to each isolating valve in such a way that:

- a) it will not obstruct pedestrian traffic; and
- b) it will be clearly visible from the road.

Each marker post shall be primed and painted with 3 coats of an approved yellow enamel paint. On the surface of the marker post facing the gate valve the Contractor shall stencil the letter "V" and the distance in metres between the valve and the marker post. All markings shall be in black characters 80 mm high.

An item has been included in the Bill of Quantities for the supply, installation and painting of the valve marker posts.

PS.PF.9 TIE-IN TO EXISTING PIPEWORK

C3. STANDARD SPECIFICATIONS

As per Clause PS.S.X.

PS.PF.8 AIR VALVE ASSEMBLIES

Payment for the installation of the air valve assemblies shall be made as follows:

1. Type A2 (See Drawing No. 42008 sh 2)
 - a) The following points are noted:
 - i) All ball valves and wafer type butterfly and air valves will be supplied by the Council. The rate tendered shall include for collection of these items at the Springfield Municipal Stores and for installation thereof.
 - ii) Except as provided for above, all materials shall be supplied by the Contractor and included in the tendered rates.
 - iii) The rate tendered shall include for all welding, jointing, cutting of fittings to suit and for the full reinstatement of all linings and coatings as specified.
 - b) Separate items have been allowed in the Bill of Quantities for:
 - i) Fabrication of pipework items as detailed, including application of corrosion protection as specified
 - ii) Installation of the valves. The rate tendered is to include for:
 - a) Collection from the Council's Springfield stores and installation of all jointing materials
 - b) Collection from the Council's Springfield stores and installation of the valve.
 - c) Application of corrosion protection as specified.

C3. STANDARD SPECIFICATIONS

PARTICULAR SPECIFICATION

4.1.4.2 BUILDING WORK SPECIFICATION

GENERAL

The specification for the building work is to be read in conjunction with the relevant structural drawings and other drawings issued during construction.

4.1.4.2.1 Application of Clauses (Clause A.2)

The following clauses in the Model Preambles for Trades (2008 Edition) which document shall be considered as applying to the performance of the contract, are hereby varied or, extended. Where discrepancies occur between the abovementioned document and this particular specification, the particular specification shall take precedence.

4.1.4.2.2 Trade Names

Tenderers are advised that prices for articles describe by trade names or catalogues references must be based on the type and manufacture specified on the drawing or in particular specification. Where articles other than that of the manufacture specified are proposed or where articles are not specified by trade names, Tenderers must submit samples of all such articles for approval prior to submission of tenders. Failure to comply with this requirement will not relieve the Contractor of his responsibility to use material acceptable to the Project coordinator.

4.1.4.2.3 Quality of Materials

All material shall be submitted for approval before being brought on to site. Wherever the South African Bureau of Standards has prepared specifications for materials or products, such materials or products, whether so specified herein or not, are to be made and supplied to the Bureau.s specification, and further, where material or products are manufactured by Permit Holders of the SABS, such material or products must be supplied stamped with the SABS mark.

Should the Contractor wish to use materials or products of a person or firm who is a Permit Holder, when there are Permit holders for the particular material or products, the Contractor, at this own cost, must arrange with the SABS to do Acceptance Testing, and produce proof that he has done so, and no material or products will be accepted by the Project coordinator unless they have been passed by the SABS.

4.1.5 PRECAST CONCRETE (CLAUSE E)

4.1.5.1 Winblok

Provide precast concrete 600 x 600mm Winblok with aluminium opening sections, natural anodised, 25 micron.

C3. STANDARD SPECIFICATIONS

4.1.6 MASONRY (CLAUSE F)

4.1.6.1 Cement Bricks (Clause F.4)

All internal walls, sections of external walls and brick piers to be constructed using cement commons bricks in horizontal stretcher bond with all joints struck flush with the face of the brick. All exposed wall surfaces to be plastered and painted (specified elsewhere). Exterior walls to be red satin face brick.

4.1.6.2 Brick Force (Clause F.7)

All walls to have a continuous layer of galvanised brick force in every 4th course of brick work.

4.1.7 CARPENTRY AND JOINERY (CLAUSE I).

4.1.7.1 Doors (Clause I.10)

Internal doors are to be hollow core flush 44mm thick, size 813 x 2032mm high and panels with hardwood concealed edge strips and finished both sides with Masonite or similar approved mounted on meranti frame and painted white.

4.1.8 IRONMONGERY (CLAUSE L)

4.1.8.1 Materials (Clause L.1)

.Union. two lever mortice lock set with latch, two handles, fixing screws and keys in satin chrome finish.

4.1.9 PLASTERING (CLAUSE O)

4.1.9.1 Screeds (Clause O.4)

Screeds shall be composed of one part cement and four parts sand.

4.1.9.2 Thickness of Plaster (Clause O.9)

All plaster, other than skim plaster, shall be not less than 10mm and not more than 20mm thick.

4.1.9.3 Plaster (Clause O.10)

Internal and external plastering shall be one coat 5:1 cement plaster finished with a wood float for exterior walls and steel trowel for internal walls. All corners to have a rounded angle.

4.1.10 PLUMBING AND DRAINAGE (CLAUSE Q)

4.1.10.1 Sanitary Fittings (Clause Q.20)

4.1.10.2 Christy Single Skin hand basin by Atlas Plastics (Product Code 945AP) or similar approved with one tap hole.

4.1.10.3 Gemini P-Trap Pan complete with 9 litre cistern and seat by Atlas Plastics (Product Code 571AP) or similar approved.

C3. STANDARD SPECIFICATIONS

4.1.10.4 Bowl urinal by Atlas Plastics (Product Code 507AP) or similar approved.

4.1.10.5 Cobra Watertech 32 mm Chromium plated unslotted basin waste union plug and chain or similar approved.

4.1.10.6 Telescopic shower (1200mm x 1200mm) including side panel, toughened non-clear glass door (to Engineers approval), satin finish frame and floor tray installed complete with soap tray and associated plumbing.

4.1.10.7 Cobra Pillar Tap (Product Code 211-15) or similar approved.

4.1.10.8 Fire Hose Reels (Clause Q.22)

Fire hose reels shall be fitted with a 30m long hose of internal diameter not less than 19mm with a 4,8mm internal diameter chromium plated brass nozzle.

4.1.10.9 Fire Extinguishers (Clause Q.23)

All fire extinguishers shall be fully charged.

4.1.10.10 Tests (Clause Q.24)

Sewerage pipe lines, sanitary plumbing including fittings and hot and cold water supply and fires services shall be tested to the approval of the Principal Agent and Local Authority. The contractor shall provide all testing apparatus, material and labour required for the tests and inspections.

4.1.11 GLAZING (CLAUSE R)

4.1.11.1 Materials (Clause R.1)

All windows are to be glazed with 4 mm float glass unless otherwise stated.

4.1.11.2 Putty Etc (Clause R.2)

Putty shall be Type II for steel sashes. Back putty shall not exceed 3mm thick. Putty shall not be painted until it has formed a surface crust, and if the putty does not form a surface crust it shall be replaced.

4.1.12 PAINTWORK (Clause S)

4.1.12.1 Materials (Clause S.1)

External walls will be red satin facebrick. Internal walls to be painted with .Dekade Plaster Primer. and 2 coats of .Plascon Mozzel. or similar approved.

C3. STANDARD SPECIFICATIONS

4.1.13 ELECTRICAL INSTALLATION FOR THE PROPOSED NEW ABLUTION FACILITIES

PROJECT SPECIFICATION

1.1 GENERAL

- 1.1.1 The project specification must be read together with the drawing.
- 1.1.2 The work **covers** the complete supply, delivery, installation, testing and commissioning.
- 1.1.3 The Contractor shall provide all materials, equipment, labour and services necessary for the complete and efficient operation of the electrical installations in accordance with the intent of the specification.
- 1.1.4 The work shall be carried out strictly in accordance with:
 - a) The Occupational Health and Safety Act and Regulations (Act no. 85 of 1993, as amended);
 - b) The SANS code of Practice for Wiring of Premises, SANS 10142-1:2001 as amended;
 - c) Any Municipal by-laws and regulations;

1.2 SCOPE OF WORK

- 1.2.1 The electrical subcontractor will be responsible for the supply, delivery, installation, testing, commissioning and handing over in proper working condition of the complete new electrical installation, as specified in the documents.
- 1.2.2 The electrical work includes, but is not restricted to the following:
 - a) Supply, delivery, installation, connection and commissioning of all power, lighting and distribution cabling and conductors;
 - b) Supply, delivery, installation and connection of all circuit wiring, cables and conductors;
 - c) Supply and installation of distribution board;
 - d) Testing, commissioning, handing over and submit compliance certificate for the complete reticulation network;
 - e) The submission for approval to the Engineer, of a Safety and Health Management Plan as prescribed by the OSH Act 85 of 1993 as amended in 2003 and the implementation and maintenance of the Plan for the duration of the Contract.
- 1.2.2.1 LV Cables

The main LV reticulation cable shall be SANS approved PVC SWA ECC PVC Cu cables.

C3. STANDARD SPECIFICATIONS

1.2.2.2 LV Distribution Board

The new distribution board shall be located as indicated on the respective drawing. The LV busbars in the distribution board shall be rated to withstand the minimum fault level prescribed in the SANS specifications.

The Electrical contractor shall be responsible for the supply and installation of the LV Distribution Board and the associated equipment and switchgear.

All switchgear and copper in the LV distribution boards shall be treated internally with a silicone spray after all installations, testing and certification activities have been completed.

1.2.2.3 Cable Route

Cable route shall be determined on site and approved by the contractor.

1.3 POINT OF DELIVERY

The point of delivery shall be taken as the site and the Electrical Contractor shall arrange for storage in a safe place on the site. In every case the Electrical Contractor shall provide proof to the Engineer that the point and method of storage will satisfy his insurance. No claim for materials on site will be considered unless the materials can be positively identified, secured, and insured as being material and/or equipment belonging to the contract described in these documents.

1.4 "AS-BUILT" DRAWINGS

The purpose of these drawings is to update all information indicated thereon as and when any variations to the originals should occur. All updating of these drawings shall be done in red ink and shall be perfectly legible.

All relevant information regarding the installation will be clearly shown on these drawings.

1.5 SUPERVISORY STAFF AND IDENTIFICATION

All work done on site shall at all times be under the direct and full time supervision of a contracts manager who shall be a qualified installation electrician who will sign the certificate of compliance.

1.6 SETTING OUT OF WORKS

The Electrical Contractor shall be responsible for marking out and setting out of all equipment and plant.

The position of items of electrical equipment and plant indicated on the drawing are to be taken as approximate. The exact position for fixing shall be obtained by site measurements.

1.7 ARRANGEMENT OF CIRCUITS

C3. STANDARD SPECIFICATIONS

The arrangement of the various circuits is indicated on the drawing, together with the required protection (switchgear), control and the type and number of wiring (conductor or cable) of each circuit.

All protection shall be done with moulded case circuit breakers.

No mixing of different types, ratings and manufacture of switchgear shall be allowed.

The Electrical Contractor shall check and make sure that the conductors as given for the various circuits comply with the requirements of SANS 10142-1:2001.

The Electrical Contractor shall ensure that all circuits are connected such that the load is equally balanced over all three phases.

1.8 ISOLATORS, CIRCUIT BREAKERS AND EARTH LEAKAGE RELAYS

Isolating switches, circuit breakers and earth leakage relays shall comply with the relevant requirements and shall be of the CBI manufacture, or as may be specified elsewhere in these documents or shown on the drawings.

The let through current of isolating switches and the rupturing capacity of circuit breakers shall be not less than that specified on the respective distribution board diagrams.

1.9 TESTING OF INSTALLATION

All tests of insulation resistance, earth continuity, earth loop impedance, and earth electrode resistance shall be made in accordance with the requirements of the SANS 10142-1:2001 and the OHS Act Electrical Installation Regulations, as amended. A Certificate of Compliance by an accredited person shall be issued for each area/distribution board.

1.10 LOW VOLTAGE CABLE

1.10.1 General

Low voltage type and manufacture of the cable shall comply with the requirements of SANS 150 in all respects.

1.10.2 Earth Conductors

Where required and specified, separate bare stranded copper earth conductor shall be supplied, installed and connected together with each cable. Earthing shall comply with the requirements of SANS 10142-1:2001, as amended.

1.10.3 Cable Route

The cable route shall be determined on site by the contractor before installation commences.

1.11 DISTRIBUTION BOARDS AND METER PANELS

1.11.1 General

Distribution boards shall comply with the requirements of this specification or as shown on the drawing.

C3. STANDARD SPECIFICATIONS

1.11.2 Installation of Distribution Boards

The Distribution board shall be installed in the position as shown on the drawing. The Contractor shall ensure that the distribution board with the necessary conduits, sleeves, and channels as required are placed in position and mounted when required, and he shall ensure that all equipment is installed in the correct positions.

The mounting height of the distribution board, measured to the top of the edge of the board shall be 2 000 mm above finished floor level. The Contractor shall ensure that cable sleeves and provision for the entry of cables to the distribution board as shown on drawings are done properly and neatly.

1.11.3 Earthing

Earth system neutral and all non-current carrying metal parts of electrical equipment, conduit, cable racks, etc must be earthed as specified.

Earth metal parts of distribution boards, switch boxes, conduit, wash-hand basins, working surfaces, cable armouring and electrical equipment must be earthed as specified.

The above mentioned work shall be conducted by a specialist in this field and which are SANS approved to conduct this type of work. It is the responsibility of the specialist to prepare design drawings and to submit this to the Engineer prior commencing with the earthing installation.

1.11.4 Labels

All distribution and meter boards shall be marked as follows:

- a) Name of distribution board, ex. "DISTRIBUTION BOARD DB-A";
- b) Origin of supply and size of all cables, ex. "Supply from main DB - 50 mm² x 4 c PVC SWA PVC and 70 mm² ECC";
- c) All circuit breakers shall have its current rating clearly indicated on the handle, or on the panel adjacent to the switchgear;
- d) All circuit breakers shall be properly labelled as to its service, as indicated on the drawings.

All other labelling requirements of the latest edition of the SANS 10142-1 including cascading labels shall be adhered to.

1.12 EARTHING SYSTEM

All luminaires shall be earthed to an earth conductor.

A specialist lightning and earthing protection contractor will be appointed by the electrical contractor.

1.13 CONDUIT AND FITTINGS

1.13.1 Flush in Walls, Floors and Concealed In Roof Spaces

C3. STANDARD SPECIFICATIONS

Conduit shall be non-metallic conduit and accessories. The ends of the spare conduits shall be properly closed with suitable and acceptable closing plugs. No paper, timber or similar plugs will be accepted.

All conduit shall be concealed by laying in concrete, chasing in walls or running in ceiling/roof spaces. All chase work and making good thereof shall form part of this contract.

1.14 SWITCHED SOCKET OUTLETS

Switched socket outlets shall be 16A 3 round pin in the positions as shown on the drawing and will be of the Crabtree range or approved equivalent, 300mm AFFL.

1.15 LIGHT SWITCHES

Switches shall comply with the requirements of this document and shall have a rating of not less than 16 A and shall be suitable to break the load which is typical of fluorescent tube luminaires. Light switches shall be of the Crabtree range or approved equivalent, 1400mm AFFL and 1000mm AFFL in the paraplegic toilet.

1.16 POWER POINTS

1.16.1 Hot Water Cylinders and Geysers

The connection shall terminate in a suitably rated double pole isolator, mounted within 1m from the heater terminals in an approved isolator box. The isolator box shall be flush for wall mounted water heaters and surface mounted for roof space mounted water heaters.

All final connections shall comply with SANS 10142-1 and SANS 168.

The final HWC position shall be determined on site by the builder.

The electrical supply shall be provided via a flush wall-mounted combination 20A double pole isolator and chord outlet unit adjacent to the HWC, with 4mm² PVC insulated copper conductors to the HWC element terminals complete with all poly-glands, etc.

1.17 LUMINAIRES

1.17.1 General

Luminaires which comply with the requirements shall be supplied and installed in accordance with this document and/or drawing. The tender rates shall be for the type specified and if alternatives are offered it shall be under a covering letter submitted separately with the tender documents.

1.17.2 Lamps

All luminaires shall be supplied complete with lamps and shall bear the SANS mark.

1.17.3 SANS Specification

Luminaires shall comply with the relevant SANS specification where such specification exists and shall carry the SANS mark of approval

C3. STANDARD SPECIFICATIONS

1.17.4 Photo-Electric Daylight Sensitive Switch

All external lighting shall be controlled by a photo-electric cell and be positioned so that the extraneous light shall not affect its operation.

A unit shall comprise of a photocell, thermal actuator and change-over switch, rated at not less than 10A. The cover shall have good weatherproofing properties, shall be ultra violet resistant and shall not deteriorate when exposed to sunlight for prolonged periods. Switch contacts shall be silver-plated and shall be capable of breaking the load associated with fluorescent lamp luminaires. Contact rating shall be not less than 10A.

1.18 TESTING AND OPERATIONAL INSPECTION PROCEDURE

The Contractor shall have the complete installation tested and approved by the Local Authorities where applicable.

C3. STANDARD SPECIFICATIONS

C5: PARTICULAR SPECIFICATION: PES -ENVIRONMENTAL SPECIFICATION

PS EMP1 ENVIRONMENTAL MANAGEMENT PLAN

The Environmental Specification and extracts from the Environmental Management Plan compiled by the Environmental Assessment Practitioner follows in this section. The contractor will be required to adhere to this Specification in all respects. Bill items have been included in the schedule of quantities for compliance with environmental requiremen

C5.2 HEALTH AND SAFETY SPECIFICATION

[illegible]

PREPARED BY	REVIEWED BY	APPROVED BY	CLIENT REPRESENTATIVE
	SITE AGENT	CONTRACTS MANAGER	PROJECT ENGINEER

C5. PARTICULAR SPECIFICATION

SUMMARY OF CONTENTS	
Section	Title
1	Introduction
2	Reference Documents
3	Definitions
4	Responsibilities
5	Objectives and Targets
6	Planning and procedures
7	Implementation of the Occupational Health and Safety Specification
8	Application of the Health and Safety Specification
8.1	Compensation for Occupational Injury and Diseases
8.2	Occupational Health and Safety Policy
8.3	Hazard identification and Risk Assessment
8.4	Health and Safety Committee
8.5	Health and Safety Training
8.6	General Record Keeping
8.7	Incentives
8.8	Penalties
8.9	Emergency procedures
8.10	Hazards and Potentially Hazardous Situations
8.11	Personal Protective Equipment and Clothing
8.12	Safety Signage
8.13	Permits
8.14	Contractors and Suppliers
9	Health and Safety in Practice
9.1	Excavations
9.2	Demolition
9.3	Explosives and Blasting
9.4	Stacking of materials and housekeeping
9.5	Hazardous Chemical Substances
9.6	Asbestos
9.7	Plant and Machinery
ANNEXURES	
A	Health and Safety Policy
B	Hazardous Task Identification
C	Risk Assessment
D	Induction
E	Toolbox talk
F	Audit Schedule

C5. PARTICULAR SPECIFICATION

1 Introduction

Purpose and Scope

This document describes the procedure upon which the COMPANY shall comply with the requirements set out in the client's Health and Safety Specification.

This document defines the Management System that is implemented by the COMPANY for the management of Health and Safety on the project, which includes ensuring subcontractor compliance with the same standards.

The aim of this document is to present the safety aspects that will be controlled and managed on the project.

2 Reference Documents

- Occupational Health and Safety Act, (Act No. 85 of 1993)
- Compensation for Occupational Injury and Diseases Act.
- Client Health and Safety Specification.
- Construction Regulations 2003.
- The Construction Kit. (CD)

3 Definitions

The following definitions will apply to the Safety Management Plan, acronyms given hereunder shall apply:

Construction / Building Work (as defined by the Occupational Health and Safety Act: Construction Regulations 2003):

Means any work in connection with –

- a) The erection, maintenance, alteration, renovation, repair, demolition or dismantling of or an addition to a building or any similar structure;
- b) The installation, erection, dismantling or maintenance of a fixed plant where such work includes the risk of a person falling;
- c) The construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or
- d) The moving of earth, clearing of land or making of an excavation or work on any similar type of work.

Hazard Identification and Risk Assessment and Risk Control (HRA)

Means a documented plan, which identifies hazards, assesses the risks and detailing the control measures and safe working procedures, which are to be used to mitigate and control the occurrence of hazards and risks during construction or operation phases.

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 and/or client.

C5. PARTICULAR SPECIFICATION

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. **(OHSA)**

Hazard

Means a source of or exposure to danger (source which may cause injury or damage to persons, or property)

Risk

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

Contractor's Responsible Person / s

Means any person appointed in writing by the Contractor to supervise construction or building work. The appointment shall be as required by the OHSA which shall stipulate health and safety responsibilities, area of responsibility and the proposed duration of the project.

Hazardous Chemical Substance (HCS)

Means any toxic, harmful, corrosive, irritant or asphyxiant substance, or a mixture or substances for which an occupational exposure limit is prescribed, or an occupational exposure limit is not prescribed, but which creates a hazard to health.

Construction Plant (TEM)

Encompasses all types of plant including but not limiting to, cranes, piling frames, boring machines, excavators, dewatering equipment and road vehicles with or without lifting equipment.

Contractor

Means "subcontractor".

Health and Safety Program

Encompasses The COMPANY safety planning spreadsheet.

Health and Safety Plan (HSP)

The content of this document which will be made available on site for inspection by an inspector, Technical Officer, Agent, subcontractor, employee, registered employee organisation, health and safety representative, or member of the health and safety committee.

Health and Safety File

Describes the safety file holding all records on health and safety for the project, which shall be available at all, times for evaluation, and copy of which will be forwarded to the client upon completion of the project.

C5. PARTICULAR SPECIFICATION

4 Responsibilities

4.1 Notification of Intention to Commence Construction Work

The Provincial Director of the Department of Labour shall be notified by the appointed safety consultant to the COMPANY, immediately upon receipt of the Letter of Acceptance of project commencement in accordance with the following requirements:

- The demolition of a structure exceeding a height of 3 meters; or
- The use of explosives to perform construction work; or
- The dismantling of fixed plant at a height greater than 3 meters; or
- The work exceeds 30 days or will involve more than 300 person days of construction work; and
- Includes excavation work deeper than 1 meter; or
- Includes working at a height greater than 3 meters above ground or a landing.

A copy of the notification letter to the Provincial Director shall be forwarded to client for their records and shall be made available to an Inspector, Project Engineer or employee.

4.2 Assignment of Contractor's Responsible Persons to Supervise Health and Safety on Site

The Contracts Manager and Site Agent shall ensure copies of all the appointment letters of the responsible persons appointed on site will be made available to the client and that all legal appointments shall be conducted in accordance with the requirements set out in the OHSA and Client specifications.

The above shall also be imposed upon all subcontractors.

4.3 Safety Officer Appointment

A part-time Health and Safety consultant shall be appointed upon commencement of the project.

The safety officers shall be tasked with monthly inspections of the site, the results of which shall be forwarded to the client or his appointed representative.

4.4 Risk Assessment Competent Person

The Project Manager shall appoint a competent person in writing at commencement of the project to control the risk assessment process on site. A copy of the risk assessment appointment is attached with duties and responsibilities defined.

(Annexure E)

4.5 Competency for Contractor's Responsible Persons

The Project Manager acknowledges that all management personnel (responsible for health and safety) shall undergo a half-day Health and Safety Management Course, which is to be arranged and conducted by the appointed safety consultant prior to commencement of activities on site.

C5. PARTICULAR SPECIFICATION

4.6 Health and Safety Representatives

At least one (1) Health and Safety Representative shall be nominated, elected and trained to carry out his / her functions in his / her area of responsibility. This will include areas where less than fifty (50) employees are engaged in activity. Employees elected shall be designated in writing for a specific area and period of time.

The designated persons shall conduct monthly inspections within their area of responsibility, the records shall be kept for auditing and that deviations recorded are reported to the responsible supervisor within the designated persons area so that appropriate action can be taken.

The designated person/s shall be permitted to participate in the Health and Safety Committee Meetings.

5 Objectives and targets

- Compliance with the COMPANY Health and Safety Policy.
- Everyone is responsible for organising accident prevention at his or her own level on site.
- Safety training is important.
- Prevention.
- Working safely ensures your job.
- The COMPANY management commits itself to the objectives and targets.
- Disabling Injury Frequency Rate (DIFR) of 2.0 or less.
- 90% compliance on monthly Health and Safety Audits.
- Compliance with the legal requirements set out in the Occupational Health and Safety Act, Act 85 of 1993, (OHSA) and Regulations.
- Compliance with the Client's Safety Specification for Construction.

6 Planning and Procedures

The procedures to be used for the project are to be in accordance with the Safety Manual in use in the COMPANY under the guidance of the appointed safety consultant.

The sub-headings covered under the Safety Manual are as follows:

- Administration
- Appointments
- Safety Committees
- Registers, checklists and permits
- Incident Management
- Emergency Planning
- Contractors
- Risk Assessments
- Audits
- Hazardous substance control
- Training
- Mining Requirements
- Roads Requirements
- Planning

7 Implementation of the Occupational Health and Safety Specification

The COMPANY is committed to implementing client specific safety specification on the project and is committed see that this forms an integral part of the project. It is our intention to make this specification part of other Contractors and Suppliers operating procedures.

C5. PARTICULAR SPECIFICATION

8 Application of the Health and Safety Specification

8.1 Compensation of Occupational Injuries and Diseases Act, Act No. 130 of 1993 (COIDA)

The letter of good standing will be available on site for reference purposes as proof of good standing.

The COMPANY shall ensure all Contractors also comply with the above requirements defined in the COIDA.

8.2 Occupational Health and Safety Policy

The COMPANY Health and Safety Policy is attached for reference purposes. (**Annexure A**)

8.3 Hazard Identification Risk Assessment

The Contract Manager shall ensure the Site Agent shall prior to the commencement of any construction work perform Hazard Identification, and the assessed risks shall form part of the health and safety plan applied on site.

A copy of the HRA shall be made available for viewing to the client.

The Site Agent shall ensure that all HRA's conducted will be conveyed to all personnel and contractors through the site training program and that these training sessions will be presented by the competent person regarding the hazard and related work procedures before any work commences.

The HRA Team that will be established will comprise members as follows:

- Health and Safety Representative(s),
- Health and Safety Committee Member(s)
- Management Representative / Site Agent

Attached in the form of **Annexure C and D**, the Hazardous Task Identification and (HTI) and format of the Risk Assessment (RA) is included.

Method statements form part of the Risk Process and will conducted in accordance with the Risk Process described above.

Based on the activities carried out on all projects Hazard Investigation and Risk Assessments (HRA's) will be done. Examples of which are:

- Site Establishment
- Demolition works
- Excavation
- Concrete works
- Lifting operations
- Hand held tools
- Motorised Equipment

8.4 Health and Safety Committee

The Project shall convene a health and safety committee meeting monthly. All members required to be in attendance shall be notified of such meeting by means of a formal agenda.

C5. PARTICULAR SPECIFICATION

The Site Agent shall ensure an attendance register and minutes are kept for auditing purposes, and that a copy of the minutes be circulated to all members in attendance well before convening the next meeting and within 7 days, a copy of the minutes will be forwarded to the project engineer.

Members of the committee shall include the following and are not limited to:

- Safety Consultant. (When available)
- Contractor's site representative. (Supervisory level)
- Contractor's site representatives. (Operating level)
- Project Engineer nominated representative. (Co-opted status)

8.5 Health and Safety Training

Training of personnel is a legal requirement and a necessity and is acknowledged as such. The Training Planning Matrix shall be provided upon request.

8.5.1 Induction Training

Induction training shall be attended with the Client as well as The COMPANY Induction program requirements and records of attendance kept to prove the same.

The COMPANY Induction format is attached for reference purposes.
(Annexure E)

8.5.2 Awareness Training

Weekly awareness training shall be conducted using the COMPANY Toolbox Talk documents, which shall be conducted by the site supervisors. **(Annexure F)**

8.5.3 Competency

Training identified through the Risk Assessment Process and conducted through this process shall be kept on file as proof of competency and training. (This may include operators)

8.5.4 First Aid and Health & Safety Representative Training

All safety representatives elected and designated, including first aiders, shall be trained should they not already be in possession of a valid certificate of training proving competence.

8.6 General Record Keeping

The Site Agent shall ensure that all the Health and Safety records, required by both the Occupational Health and Safety Act, 85 of 1993 and Regulations are kept for reference purposes and auditing.

Further to the requirements set out above, the Site Agent will also maintain records that may be defined through the risk assessment process, for auditing purposes.

In accordance with the requirements set out in the Construction Regulations 2003 and the requirement set out in Client Specification the Site Agent shall ensure that a copy of all Health and Safety records generated during the course of construction, be handed over to the Project Engineer upon completion of construction.

C5. PARTICULAR SPECIFICATION

8.6.1 Statistics

The Site Agent shall ensure injury and incident records (Near Hits, First Aid, Medical cases, **Disabling Lost Time Incidents**), **training etc. referred to above are kept on site**. All documents shall be made available to the client for inspection including the Department of Labour's Inspectors as required by the Occupational Health and Safety Act, 85 of 1993.

The statistics formula as listed below shall be adhered to.

DIFR (Disabling Injury Frequency Rate) $\frac{DI's \times 1\,000\,000}{\text{Man-hours}}$

DISR (Disabling Injury Severity Rate) $\frac{\text{Days Lost} \times 1\,000}{\text{Man-hours}}$

8.6.2 General Inspection, Monitoring and Reporting

The COMPANY shall comply with the requirements set out by the client. We have attached a safety management plan upon which the dates of inspections and training and awareness will be entered, conducted and monitored.

The COMPANY shall keep all records of inspections and investigations undertaken during the contract for the specified legal period as defined in the OHS Act and Regulations.

8.6.3 Internal Audits

Internal audits shall be conducted a minimum once per month by the project engineer, as well as the appointed safety consultant.

The Results shall be tabled and discussed at the Health and Safety Committee meetings.

The Audits to be conducted by the appointed safety consultant, shall be conducted on the audit schedule attached as per **Annexure G**.

Records of the audits shall be forwarded to the Project Engineer and shall be filed on site for reference purposes.

8.7 Incentives

No incentive scheme is being identified unless required by the client.

8.8 Penalties

Non-compliance with the client safety specifications can result in work stoppages and possible expulsion from site until the problem has been remedied including costs.

8.9 Emergency Procedures

The Site Agent shall make available to the Project Engineer a detailed Emergency Plan to tie into the evacuation plan already in place on the client's premises.

8.9.1 First Aid Box and Contents

The Site Agent shall ensure that all working areas are adequately provided with first aid

C5. PARTICULAR SPECIFICATION

attendants whether there are fifty (50) employees or less engaged on the contract. The First Aid attendant shall be trained in accordance with the requirements set out in the OHSA with recognised and accredited service providers as defined above.

Proof of training attended (certificate) shall be attached to the written acceptance of appointment. It will be the first aid attendant's responsibility to ensure the contents of the first aid boxes are monitored and inspections recorded on the contents of the first aid box register.

The first aid box shall be adequately stocked by The COMPANY at all times and will be accessible to all.

Accident and Incident Reporting and Investigation

Should accident investigation need to be conducted, the Project Manager shall appoint a competent person in writing to conduct the said investigation. The procedure to be followed will be in accordance with the OHSA requirement on the Annexure 1 – Recording and Investigation of Incident form.

The Site Agent shall ensure that the results of all investigations are communicated to the employees engaged through incident recall and prescribed meetings. The Site Agent shall ensure that the investigations are kept for record purposes in accordance with the prescribed requirements set out in the OHSA and the company specific procedures.

Should there be an incident, the Project Engineer shall be notified within 48-hours if required by the client, of the occurrence. It is acknowledged that the client reserves the right to participate in all investigations into accidents or incidents.

8.10 Hazards and Potentially Hazardous Situations

The Site Agent shall ensure that all other contractors or contractors are warned of hazardous or potentially hazardous situations, which may prevent them from effectively performing their duties, which includes the placement of adequate warning signs.

8.11 Personal Protective Equipment and Clothing

The COMPANY shall comply with OHSA requirements to provide PPE.

The Site Agent shall through the Risk Assessment process identify the specific PPE needs per activity and then issue the PPE accordingly. (Reference to the OHSA General Safety Regulation 2 – Employer to provide Personal Protective Equipment)

Should PPE be lost or stolen, then the employee will be issued with a new set of PPE.

Should PPE be worn out or damaged, the user shall return the worn or damaged PPE and will be issued with a replacement set. Training in the use of this shall be provided. Overalls and hardhats shall be identifiable. (Principal Contractor different from the contractors)

PPE shall be provided to visitors as well.

8.12 Safety Signage

The Site Agent in conjunction with the appointed safety consultant shall assess the Health and Safety Signage requirement in conjunction with the Risk Assessments conducted and will place the signage at strategic positions on the site works.

The COMPANY shall also maintain the signage to ensure its effectiveness at all times and under all conditions. Signage, which cannot be repaired, shall be replaced.

8.13 Permits

C5. PARTICULAR SPECIFICATION

- The COMPANY shall ensure that access to site works is restricted to construction personnel.
- All attempts will be made to restrict spectator access.
- Access to the site shall be by the Project Engineers (Clients) authorisation on the prescribed form. (Permits and ID cards shall be issued by the client)
- Special permits for hot work and isolation permits shall be applied for to the Project Engineer prior to commencing with the activity.

8.14 Contractors and Suppliers

The Site Agent shall enter into an Agreement with Mandatary in terms of Section 37(2) of the Occupational Health and Safety Act, 85 of 1993, with all contractors appointed by The COMPANY is entered into.

The Contracts Manager will ensure the contractors are issued with the Client Safety Specification where reasonably practicable including any the COMPANY contractor pack for the project, should they not be contained in the Client Safety Specification.

The COMPANY shall assist and ensure the contractors engaged comply with all of these requirements and adhere to the requirements set out in the OHSA.

Contractors will be stopped from working in the event of unsafe conditions and activities being observed.

All contractors shall be covered by the COMPANY Safety Plan and will be issued the same.

9 Health and Safety in Practice

9.1 Excavations

The Site Agent shall ensure that all activities involving excavations, shoring, dewatering or drainage, a safe working procedure is submitted to the project engineer for approval prior to work commencing. Excavation work exceeding the specified depth as stipulated in the OHSA regulations, shall comply with the following requirements:

- (a) The excavations are inspected before the shift starts, after heavy rain (inclement weather) and after any major condition which may effect the excavations stability and the findings are to be recorded and kept;
- (b) All excavations regardless of the depth shall be adequately barricaded to prevent persons falling into the excavation;
- (c) The safe working procedure shall be communicated to all employees who may be effected by the work; and
- (d) The safe working procedures shall be enforced and maintained by the appointed excavation supervisor at all times.
- (e) For high-risk activities, all personnel working in the excavation shall be attached by means of a lifeline.
- (f) Material excavated shall be removed from the point of excavation.
- (g) Ensure stability of adjoining structures.

9.2 Demolition

No demolition work is being envisaged on this project.

9.3 Explosives and Blasting

No blasting activities are envisaged on this project.

9.4 Stacking of Materials and Housekeeping

The Site Agent shall ensure that all stacking will be supervised by a person competent to

C5. PARTICULAR SPECIFICATION

supervise over the activities, and that clearly defined and allocated storage areas are provided for and identified, and that materials being stored within this area are stacked in accordance with sound stacking principles of sort-by-sort, access to be maintained, level surface, and the height will not exceed three times the base width.

Housekeeping shall be maintained in accordance with the client requirements at all times.

Hazardous Chemical Substances

The Site Agent shall ensure the necessary training and information regarding the use and storage of HCS is provided, and that the use and storage of HCS is carried out as prescribed by the HCS Regulations.

Furthermore, the Site Agent shall ensure that all chemicals brought to site have a Material Safety Data Sheet (MSDS) and the users are made aware of the Occupational hazards and precautions that need to be taken when using the chemical.

The First Aider shall be made aware of the MSDS and how to treat HCS incidents appropriately. Access to all HCS records shall be afforded to the project engineer at all times.

9.4.1 Fuel / Diesel

- Bulk storage areas shall be demarcated, secured and sign posted with the relevant warning pictograms.
- Bulk storage areas shall be bunded.
- Re-fuelling shall be conducted in designated re-fuelling areas only.
- Spill-kits shall be available at all times in these designated areas.
- The surface of the bunded areas and walls shall be of impermeable material.
- The bunded area shall be sloped towards a collection pit.

9.5 Asbestos

No asbestos is to be used on this Project.

9.6 Plant and Machinery

9.6.1 Construction Plant

- All plant shall comply with the OHS Act requirements in relation to operation and maintenance thereof.
- Service and maintenance of the vehicles shall be of a high standard at all times.
- All plant shall subject to design be fitted with back-up alarms and audible indicating devices.
- The COMPANY shall ensure that all construction plants moving parts are adequately protected.
- Pre-start inspections shall be conducted on all motorised equipment daily, deviations of such inspections shall be recorded.
- Construction plant identified for use shall be operated by a trained and authorised operator.
- All construction plant shall be operated under the direct supervision of a person competent to identify potential hazards in the work he is conducting.
- Work involving the use of construction plant shall be conducted in accordance with an approved Risk Assessment.
- The Site Agent shall ensure all operators are equipped with the necessary PPE namely; safety shoes, overall, safety glasses, and gloves.
- Plant shall be fitted with an extinguisher where practicable.
- Washing shall be conducted in the designated washing areas.

C5. PARTICULAR SPECIFICATION

The COMPANY shall ensure the all equipment moving to and from site is adequately secured, and that all contractors abide by this requirement.

Transport of Personnel

- Safe vehicular transport shall be provided for personnel working on the project to the workplace, which shall include proper seating, side restraints and cover.
- No personnel shall be permitted to travel on any plant or equipment on the site works.
- Road safety principles shall be adhered to on and off site.

9.6.2 Vessels under Pressure (VuP) or Gas Bottles

The COMPANY shall ensure they comply at all times with the requirements of Vessels under Pressure Regulations, with specific reference to the following:

- Ensuring all Equipment owned and hired-in Vessels under pressure, comply with the 36-month pressure vessel inspection, and a certificate of testing is available on site.
- Ensuring that all personnel who shall use this equipment are competent and trained.
- Ensuring the users of this equipment are issued with the required PPE.
- Ensuring the area is adequately identified as a noise area and warnings are posted.
- Ensuring daily pre-start inspections are carried out on all the equipment and the findings recorded.
- Ensuring the correct fire prevention and fighting equipment is available at all times.
- Noise levels where possible shall be kept within reasonable operating norms.

9.6.3 Fire Equipment

The Site Agent shall ensure the following all fire equipment to be used on site comply with the following:

- Extinguishers shall be placed in positions to ensure fast and easy access is maintained at all times.
- Placement of all extinguishers shall be depicted with the required pictograms.
- Extinguishers shall be serviced once annually, and after discharge or visible signs of depressurisation.
- The Site Agent shall ensure all employees are adequately trained in the safe use of the extinguishers.
- The Site Agent shall ensure a person is appointed to inspect the extinguishers on a monthly basis and the results of which are to be entered into a register designed for that purpose.

9.6.4 Hired Plant and Machinery

The Site Agent shall ensure the following criteria is adhered to when considering hired plant and machinery:

- Only approved hire companies shall supply equipment to the site.
- Hired plant shall be checked for safety compliance prior to being accepted for use on site.
- Should hired equipment be accompanied by an operator, The COMPANY shall ensure that the operators competency be verified and the operator undergo an induction training session.
- The Site Agent shall ensure the operators of hired plant attend weekly toolbox talks in conjunction with The COMPANY site personnel.
- The Site Agent shall ensure that all operators are equipped with the required PPE before commencing work on site.

C5. PARTICULAR SPECIFICATION

9.6.5 Scaffolding / Working at heights / Fall Protection

Work involving scaffolding and work at heights shall comply with the requirements set out in the Construction regulations 2003 pertaining to these activities with reference to the SABS 085 code of practice.

Fall protection planning shall be done in conjunction with the risk assessment process.

All scaffolds shall be erected under the control of a person trained and appointed to conduct such scaffold erection.

9.6.6 Falsework / Formwork for Structures

Work involving scaffolding and work at heights shall comply with the requirements set out in the Construction regulations 2003 pertaining to these activities with reference to the SABS 085 code of practice.

9.6.7 Lifting Machinery and Tackle

The Site Agent shall ensure that the use of Lifting Machinery and Tackle is done in accordance with the requirements of the Regulations, which include but is not limited to the following:

- Lifting machinery and tackle to be used on site shall be marked with the Maximum Mass Load (MML), which is the safe limit in which the equipment may be used.
- Inspections on Lifting Machines and Lifting Tackle shall be inspected once per month on the register provided and the findings recorded.
- Daily pre-start checks shall also be conducted on all Lifting Machinery and Tackle.
- Records shall be kept of all lifting machinery and tackle inspections and Load Tests.
- Load tests shall be conducted a minimum of once per annum, and a certificate of compliance shall be kept on record.
- A valid logbook shall be maintained for all lifting machinery, which will comply with a minimum six-monthly service and maintenance.
- Lifting machinery shall be operated under supervision at all times with a trained banksman who shall inspect all tackle before each lift.
- All lifting equipment operators shall be trained once every two years and a copy of such training shall be attached to the appointment, which is to be made on site.
- The Operators shall be tested for medical fitness.

9.6.8 Ladders and Ladder Work

The following requirements shall be complied with regarding Ladders and Ladder work:

- Ladders shall be clearly numbered, and inspected on the register provided.
- A competent person shall be identified and appointed as the ladder inspector.
- Where aluminium ladders cannot be used, then wooden ladders shall be straight grained, unpainted to allow for proper inspection of the grain for cracking.
- Ladders shall be secured at the top and chocked at the base to prevent slipping.
- Where chocking of the base is not possible, then the user shall ensure that the ladder is held in position by another employee when ascending the ladder.
- Ladders shall be inspected a minimum once per month by the person appointed as the ladder inspector.
- Proper storage shall be provided for all ladders when not in use.

9.6.9 General Machinery

C5. PARTICULAR SPECIFICATION

In accordance with General Machinery Regulation 2(1), The COMPANY shall:

- Ensure a competent person be appointed as defined in the above clause from the Occupational Health and Safety Act, 85 of 1993 and Regulations, to service and maintain all machinery in use on site.
- The COMPANY shall appoint additional competent persons to assist the competent person mentioned above in accordance with General Machinery Regulation 2(7)(a), as and when required.
- The COMPANY shall ensure that records are maintained of all services conducted.

9.6.10 Lighting and Power

The Site Agent shall ensure lighting circuits and power circuits are fitted with suitable earth leakage systems in accordance with the client, which will include the following activities:

- Earth leakage system will be tested monthly.
- Malfunctions shall be repaired immediately or replaced.
- Lighting shall be so positioned as not to interfere with construction activities.

9.6.11 Portable Electrical Tools / Explosive Power Tools

The Site Agent shall ensure the following procedure is adhered to regarding Portable Electrical Tools and Explosive Powered tools:

- Minimum compliance with legislation.
- Only competent persons shall be permitted to conduct routine and monthly inspections on the equipment.
- Persons competent to inspect the equipment shall be appointed in writing.
- Persons who are trained to operate such equipment shall be appointed and shall be the only authorised person to operate the equipment.
- The Site Agent shall ensure operation of the equipment is in accordance with the approved Risk Assessment and Safe Working Procedure set out.
- All users shall undergo regular awareness training to ensure compliance.
- The Site Agent shall ensure the required PPE and clothing is provided and maintained.

9.6.12 Public Health and Safety

In the interests of public safety, The COMPANY shall ensure that all persons who may be affected by the work being conducted on site are informed and kept aware of the dangers, which may arise from the work being conducted on site.

This awareness shall be in the form of posters and inductions for visitors to site and warning signs.

9.6.13 Night Work

Night work shall only be conducted upon approval of the project engineer, with the same safety standard being applied for these activities as with day work activities.

9.6.14 Facilities for Safe Keeping / eating areas

The COMPANY shall ensure that adequate facility is provided for the personnel on site. The area shall be provide the following:

C5. PARTICULAR SPECIFICATION

- Sufficient seating;
- Seating under cover;
- Protected change room;
- Toilets.
- Hand wash facility.
- Potable water.

No food preparation shall be conducted on site and designated eating areas will be made to allow adequate seating.

Waste bins shall be strategically placed and cleared regularly.

C5. PARTICULAR SPECIFICATION

MEASUREMENT AND PAYMENT

Payment for the Contractor's obligations in respect of the Occupational Health and Safety Act and Construction Regulations shall be made through two payment items described below. The two payment items together shall include full compensation for all personnel (including a dedicated full time Construction Safety Officer), costs and incidentals in respect of compliance with and enforcement of the Health and Safety specifications, which shall include for the compilation, presentation, implementation and maintenance of the site Health and Safety Plan as contemplated in Regulation 5 of the Construction Regulations.

In Bidding rates for the three items the Contractor shall ensure that the sum of the amounts for the two items shall not be less than one percent (1%) of the Bid Amount.

<u>Item</u>		<u>Unit</u>
AH.14.1	Prepare of risk assessment, safe work procedures, the project H & S file, plan, the provision of PPE and protection clothing and any other H & s matters that the contractor deems necessary	Lump Sum

The full amount will be paid in one instalment 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 Contractors Health and Safety plan
- (d) The Contractor has set up his/her Health and Safety file

<u>Item</u>		<u>Unit</u>
AH.14.2	Full compliance with all H & S matters during the construction of the works under the contract	Lump Sum

Payment shall be effected as follows only after payment for Item AH.14.1 has been made.

Payment of incremental amounts (calculated by the division of the remainder of the Tendered sum by the number of months remaining for completion of the works will be authorised in each of the subsequent progress certificates until the Tendered sum has been paid.

C5. PARTICULAR SPECIFICATION

SCHEDULE A

NOTIFICATION OF CONSTRUCTION WORK
Regulation 4 of the Construction Regulations, 2014

1. (a) Name and postal address of principal Contractor:

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

- (b) Name and telephone number of principal Contractor's contact person:

.....
.....

2. Principal Contractor's compensation registration number:

.....

3. (a) Name and postal address of Client:

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

- (b) Name and telephone number of Client's contact person or agent:

.....
.....

4. (a) Name and postal address of designer(s) for the project:

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

- (b) Name and telephone number of designer's contact person:

.....
.....

C5. PARTICULAR SPECIFICATION

5. Name and telephone number of principal Contractor's construction supervisor on site appointed in terms of regulations 8 (1):

.....
.....

6. Name/s of principal Contractor's sub-ordinate supervisors on site appointed in terms of regulation 8 (2):

.....

7. Exact physical address of the construction site or site office:

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

8. Nature of the construction work:

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

9. Expected commencement date:

.....

10. Expected completion date:

.....

11. Estimated maximum number of persons on the construction site:

Total: Male: Female:

12. Planned number of Contractors on the construction site accountable to principal Contractor:

.....

13. Name(s) of Contractors already selected:

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

C5. PARTICULAR SPECIFICATION

.....
Principal Contractor

.....
Date

.....
Client's Agent (where applicable)

.....
Date

.....
Client

.....
Date

- *This document is to be forwarded to the Office of the Department of Labour **prior to commencement of work** on site.*

C5. PARTICULAR SPECIFICATION

SCHEDULE B

FORM OHS1: OCCUPATIONAL HEALTH AND SAFETY

1. HEALTH AND SAFETY POLICY

- (a) Can a copy of current health and safety policy including procedures for risk assessment be supplied. Yes ☐ No ☐
- (b) Please give full reasons, on a separate sheet, if the health and safety policy cannot be provided

2. HEALTH AND SAFETY ADVICE

Do you

- (a) Employ a full time health and safety advisor? Yes ☐ No ☐
- (b) Use the services of a health and safety consultant? Yes ☐ No ☐
- (c) Have access to the services of a health and safety group? Yes ☐ No ☐

3. ACCIDENT AND INCIDENT STATISTICS

- (a) Have any dangerous occurrences been reported within the last three years? Yes ☐ No ☐

If Yes, please give brief details:

- (b) Has any employee or persons under your control been fatally injured at work within the last three years? Yes ☐ No ☐

If Yes, please give brief details:

BIDDER:

C5. PARTICULAR SPECIFICATION

SCHEDULE C

**FORM OHS2: OCCUPATIONAL HEALTH AND SAFETY :
STATEMENT BY CONTRACTOR**

I, duly authorised to represent

.....
(company name)

in my capacity as
hereby confirm that I accept full and exclusive responsibility for compliance by myself and all persons
who perform work for me with the provisions of the Occupational Health and Safety Act, No. 85 of 1993
(as amended) and all regulations promulgated from time to time, whilst performing work on
.....

.....

.....

.....

I confirm that all employees who perform work on the site shall be properly trained to do this in a manner
which is safe and without risk to health and safety to themselves and others in the vicinity and undertake
to have our activities adequately supervised in the interest of health and safety.

BIDDER:

C5. PARTICULAR SPECIFICATION

SCHEDULE D
RECORDS TO BE KEPT ON SITE

ITEM	CR	RECORD TO BE KEPT	RESPONSIBLE PERSON
1	3(3)	Notification to Provincial Director – Schedule A Available on site	Principal Contractor
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. OHS & 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. OHS & 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

C5: PARTICULAR SPECIFICATIONS

SCHEDULE E

OCCUPATIONAL HEALTH AND SAFETY: AUDIT SYSTEM

1. ADMINISTRATIVE & LEGAL REQUIREMENTS

Section/ Regulation	Subject	Requirements	1.1.1.2 Yes/No
Construction. Regulation 3	Notice of carrying out Construction work	Department of Labour notified Copy of Notice available on Site	
General Admin. Regulation 3	Copy of OH&S Act (Act 85 of 1993)	Updated copy of Act & Regulations on site Readily available for perusal by employees	
COID Act Section 80	Registration with Compens. Insurer	Written proof of registration / Letter of good standing available on Site	
Construction. Regulation 4 & 5(1)	OH&S Specification & Plan	H&S Specification received from Client OH&S plan developed: Updated regularly	
Section 8(2)(d) and Construction. Regulation 6	Hazard Identification & Risk Assessment	Hazard Identification carried out/Recorded Risk Assessment and Plan drawn up/Updated Risk Assessment Plan available on Site Employees/Subcontractors informed/trained	
Section 16(2)	Assigned duties (Managers)	Responsibility of complying with the OH&S Act assigned to other person/s by CEO.	
Construction. Regulation 5(2)	Designation of Person Responsible on Site	Competent person appointed in writing as Construction Supervisor	
Construction. Regulation 5(5)(a)	Designation of Subordinate Person	Competent person appointed in writing as Sub-ordinate Construction Supervisor	
Section 17 & 18	Designation of Occupational Health & Safety Representatives	More than 20 employees - one OH&S Representative, one additional OH&S Rep. for each 50 employees or part thereof. Designation in writing, period and area of responsibility specified. Meaningful OH&S Rep. reports. Reports actioned by Management.	
Section 19 & 20	Occupational Health & Safety Committee/s	OH&S Committee/s established. Members appointed in writing. Meetings held monthly. Minutes kept. Actioned by Management.	
Section 37	Agreement with Mandatories (Subcontractors)	Written agreement with Subcontractors. List of Subcontractors displayed. Proof of Registration with Compensation Insurer/Letter of Good Standing Construction Work Supervisor designated Written arrangements concerning OH&S Reps & OH&S Committee Written arrangements regarding First Aid	
Construction. Regulation 7	Fall Prevention & Protection	Competent person appointed to draw up and supervise the Fall Protection Plan Proof of appointees competence available on Site Risk Assessment carried out for work at heights Fall Protection Plan drawn up/updated Available on Site	

C5: PARTICULAR SPECIFICATIONS

Section/ Regulation	Subject	Requirements	1.1.1.2 Yes/No
Construction. Regulation 8	Roof work	Competent person appointed to plan & supervise Roof work. Proof of appointees competence available on Site Risk Assessment carried out Roof work Plan drawn up/updated Roof work inspect before each shift. Inspection register kept Employees medically examined for physical & psychological fitness. Written proof available	
Construction. Regulation 9	Structures	Information re. the structure being erected received from the Designer including: - geo-science technical report where relevant - the design loading of the structure - the methods & sequence of construction - anticipated dangers / hazards / special Measures to construct safely Risk Assessment carried out Method statement drawn up All above available on Site Structures inspected before each shift. Inspections register kept	
Construction. Regulation 10	Formwork & Support work	Competent person appointed in writing to supervise erection, maintenance, use and dismantling of Support & Formwork Design drawings available on site Risk Assessment carried out Support & Formwork inspected: - before use/inspection - before pouring of concrete - weekly whilst in place - before stripping/dismantling. Inspection register kept	
Construction. Regulation 11	Scaffolding	Competent persons appointed in writing to: - erect scaffolding (Scaffold Erector/s) - act as Scaffold Team Leaders - inspect Scaffolding weekly and after inclement weather (Scaffold Inspector/s) Written Proof of Competence of above appointees available on Site Copy of SABS 085 available on Site Risk Assessment carried out Inspected weekly/after bad weather. Inspection register/s kept	
Construction. Regulation 12	Suspended Scaffolding	Competent persons appointed in writing to: - erect Susp.scaffolding (Scaffold Erector/s) - act as Susp.Scaffold Team Leaders - inspect Susp.Scaffolding weekly and after inclement weather (Scaffold Inspector/s) Risk Assessment conducted Certificate of Authorization issued by a registered professional Engineer available on Site/copy forwarded to the Department of Labour The following inspections of the whole installation carried out by a competent person - after erection and before use	

C5: PARTICULAR SPECIFICATIONS

Section/ Regulation	Subject	Requirements	1.1.1.2 Yes/No
		- daily prior to use. Inspection register kept - The following tests to be conducted by a competent person: - load test of whole installation and working parts every 12 months - hoisting ropes/hooks/load attaching devices quarterly. Tests log book kept - Employees working on Susp.Scaffold medically examined for physical & psychological fitness. - Written proof available	
Construction. Regulation 13	Excavations	Competent person/s appointed in writing to supervise and inspect excavation work Written Proof of Competence of above appointee/s available on Site Risk Assessment carried out Inspected: - before every shift - after any blasting - after an unexpected fall of ground - after any substantial damage to the shoring - after rain. Inspections register kept Method statement developed where explosives will be/ are used	
Construction. Regulation 14	Demolition Work	Competent person/s appointed in writing to supervise and control Demolition work Written Proof of Competence of above appointee/s available on Site Risk Assessment carried out Engineering survey and Method Statement available on Site Inspections to prevent premature collapse-e carried out by competent person before each shift. Inspection register kept	
Construction. Regulation 16	Materials Hoist	Competent person appointed in writing to inspect the Material Hoist Written Proof of Competence of above appointee available on Site. Materials Hoist to be inspected weekly by a competent person. Inspections register kept.	
Construction. Regulation 17	Caissons & Cofferdams	Competent person appointed in writing to supervise, control & inspect the construction, installation/dismantling of caissons/coffer dams Written Proof of Competence of above appointee available on Site Risk Assessment carried out To be inspected daily by a competent person. Inspections register kept	
Construction. Regulation 18	Explosive Powered Tools	Competent person appointed to control the issue of the Explosive Powered Tools & cartridges and the service, maintenance and cleaning. Register kept of above Empty cartridge cases/nails/fixing bolts returns recorded Cleaned daily after use	

C5: PARTICULAR SPECIFICATIONS

Section/ Regulation	Subject	Requirements	1.1.1.2 Yes/No
Construction. Regulation 19	Batch Plants	Competent person appointed to control the operation of the Batch Plant and the service, maintenance and cleaning. Register kept of above Risk Assessment carried out Batch Plant to be inspected weekly by a competent person. Inspections register kept	
Construction. Regulation 20/ Mine Health & Safety Act (29 of 1996)	Tunnelling	Complying with Mines Health & Safety Act (29 of 1996) Risk Assessment carried out	
Construction. Regulation 21/ Driven Machinery Regulations 18 & 19	Cranes & Lifting Machines Equipment	Competent person appointed in writing to inspect Cranes, Lifting Machines & Equipment Written Proof of Competence of above appointee available on Site. Cranes & Lifting tackle identified/numbered Register kept for Lifting Tackle Log Book kept for each individual Crane Inspection: - All cranes - daily by operator - Tower Crane/s - after erection/6monthly - Other cranes - annually by comp. person - Lifting tackle(slings/ropes/chain slings etc.) - 3 monthly Risk Assessment carried out	
Construction. Regulation 22/Electrical Machinery Regulations 9 & 10/Electrical Installation Regulations	Inspection & Maintenance of Electrical Installation & Equipment (including portable electrical tools)	Competent person appointed in writing to inspect/test the installation and equipment. Written Proof of Competence of above appointee available on Site. Inspections: - Electrical Installation & equipment inspected after installation, after alterations and quarterly. Inspection Registers kept Portable electric tools and -lights and extension leads identified/numbered. Monthly visual inspection by User/Issuer/Store man. Register kept.	
Construction. Regulation 2 Diving Regulations	Water Environments	Competent person appointed in writing to supervise diving operations and ensure maintenance, statutory inspection and testing by an Approved Inspection Authority of equipment used Written Proof of Competence of above appointee available on Site Proof of registration of all divers present on site available Risk Assessment carried out Diving Manual produced. Available on Site Record of Voice Communications kept Diving Operations record kept Each Diver keeps- a personal logbook. Entries countersigned by the Diving Supervisor Decompression tables available on Site Records of any Decompression illness kept Certificate of Manufacture of any Compression Chamber or Diving Bell in use available on Site	

C5: PARTICULAR SPECIFICATIONS

Section/ Regulation	Subject	Requirements	1.1.1.2 Yes/No
Construction. Regulation 30/ General Safety Regulation 8(1)(a)	Designation of Stacking & Storage Supervisor.	Competent Person/s with specific knowledge and experience designated to supervise all Stacking & Storage Written Proof of Competence of above appointee available on Site	
Construction. Regulation 31/ Environmental Regulation 9	Designation of a Person to Co-ordinate Emergency Planning And Fire Protection	Person/s with specific knowledge and experience designated to co-ordinate emergency contingency planning and execution and fire prevention measures Emergency Evacuation Plan developed: - Drilled/Practised - Plan & Records of Drills/Practices available on Site Fire Risk Assessment carried out All Fire Extinguishing Equipment identified and on <i>register</i> . Inspected weekly. Inspection Register kept Serviced annually	
Construction. Regulation 32/ General Safety Regulation 3	First Aid	Every workplace provided with sufficient number of First Aid boxes. (Required where 5 persons or more are employed) First Aid freely available Equipment as per the list in the OH&S Act. One qualified First Aider appointed for every 50 employees. (Required where more than 10 persons are employed) List of First Aiders and Certificates Name of person/s in charge of First Aid box/es displayed. Location of F/Aid box/es clearly indicated. Signs instructing employees to report all Injuries/illness including first aid injuries	
Construction. Regulation 33/ General Safety Regulation 2	Personal Safety Equipment (PS-E)	PS-E Risk Assessment carried out Items of PS-E prescribed/use enforced Records of Issue kept Undertaking by Employee to use/wear PS-E	
Construction. Regulation 34/ General Safety Regulation 9	*Inspection & Use of Welding/Flame Cutting Equipment	Competent Person/s with specific knowledge and experience designated to Inspect Electric Arc, Gas Welding and Flame Cutting Equipment Written Proof of Competence of above appointee available on Site Equipment identified/numbered and entered into a register Equipment inspected monthly. Inspection Register kept	
Construction. Regulation 35/ Hazardous Chemical Substances (HCS)	*Control of Storage & Usage of HCS	Competent Person/s with specific knowledge and experience designated to Control the Storage & Usage of HCS Written Proof of Competence of above appointee available on Site Risk Assessment carried out Register of HCS kept/used on Site	

C5: PARTICULAR SPECIFICATIONS

Section/ Regulation	Subject	Requirements	1.1.1.2 Yes/No
Construction. Regulation 36/Vessels under Pressure Regulations	Vessels under Pressure (VUP)	Competent Person/s with specific knowledge and experience designated to supervise the use, storage, maintenance, statutory inspections & testing of VUP's Written Proof of Competence of above appointee available on Site Risk Assessment carried out Certificates of Manufacture available on Site Register of VUP's on Site Inspections & Testing by Approved Inspection Authority (AIA): - after installation/re-erection or repairs - every 36 months. - Register/Log kept of inspections, tests. Modifications & repair	
Construction. Regulation 37	Construction Vehicles & Earth Moving Equipment	Operators/Drivers appointed to: - Carry out a daily inspection prior to use - Drive the vehicle/plant that he/she is competent to operate/drive Written Proof of Competence of above appointee available on Site Record of Daily inspections kept	
Construction. Regulation 38/ General Safety Regulation 13D	Inspection of Ladders	Competent person appointed in writing to inspect Ladders Ladders inspected at arrival on site and monthly there after. Inspections register kept	
Construction. Regulation 39/ General Safety Regulation 13B	Ramps-	Competent person appointed in writing to Supervise the erection & inspection of Ramps-. Inspection register kept	

C5: PARTICULAR SPECIFICATIONS

C5. 3 PREFERENTIAL PROCUREMENT SPECIFICATION

**PARTICIPATION AND CONDITIONS PERTAINING TO TARGETED PROCUREMENT AND
BLACK ECONOMIC EMPOWERMENT**

The UBUHLEBEZWE Local Municipality has committed itself to the following with respect to all procurement dealings:

The UBUHLEBEZWE LOCAL MUNICIPALITY's Supply Chain Management Policy in terms of section 111 of the Local Government Municipality Finance Management Act (Act No. 56 of 2003)

C5: PARTICULAR SPECIFICATIONS

C.5.4 ENVIRONMENTAL MANAGEMENT PLAN

[This document is available at the Engineer's office upon request]

C6: SITE INFORMATION

C6: SITE INFORMATION

C6.1: CONDITIONS ON SITE

C6.1 Nature of Ground

The Bidder will be permitted to excavate trial holes in the area of the works at his own expense provided that they are properly safeguarded and reinstated. Should the Bidder wish to excavate his own trial holes; he shall first ascertain, in conjunction with the Engineer, the position of any underground services, which may exist in the area. The Bidder shall indemnify the Municipality against the cost of repairing any underground services damaged by the Bidder or his agents, while carrying out such excavations.

C6.2 Spoil Material

No indiscriminate spoiling of material will be allowed. All unsuitable or surplus material shall be spoiled off site to a spoil site/municipal dump, chosen by the Contractor.

C6.3 Finishing – off the Site

The site shall be finished-off in accordance with the specifications as well as to the requirements of all applicable environmental standards.

C6.4 Existing Services

Although every effort has been made to depict existing services (water mains, electric cables, telephone cables etc.), as accurately as possible on the contract drawings, insofar as they are known, variations do arise and the Contractor shall exercise extreme care when working in the area. Items have been allowed in the Schedule of Quantities for dealing with and protecting services.

The Contractor shall take whatever precautions are required to protect these services from damage during the period of the Contract.

C6.5 Proving of Underground Services

It is stressed that all services in a particular area must be proven before commencing work in that area. Insofar as bulk earthworks are concerned, where services are indicated on the drawings or where from site observations can reasonably be expected that such services are likely to exist where excavations are to take place, the Contractor shall without instructions from the Engineer carefully excavate by hand to expose and prove their positions.

When a service is not located in its expected position the Contractor shall immediately report such circumstances to the Engineer who will decide what further searching or other necessary action is to be carried out and shall instruct the Contractor accordingly.

Should any service be damaged by the Contractor in carrying out the works, and should it be found that the procedure laid down in this clause has not been followed than all costs in connection with the repair of service will be to the Contractors account.

Proving of services shall be completed at least two weeks in advance of the actual programmed date for commencing work in the area. The position of these services located must be co-ordinated and levelled by the Contractor, and the information given in writing to the Engineer's representative.

The requirements of this clause do not relieve the Contractor of any obligations as detailed under the General Conditions of Contract or the Special Conditions of Contract.

C6: SITE INFORMATION

C6.2 LOCALITY PLAN

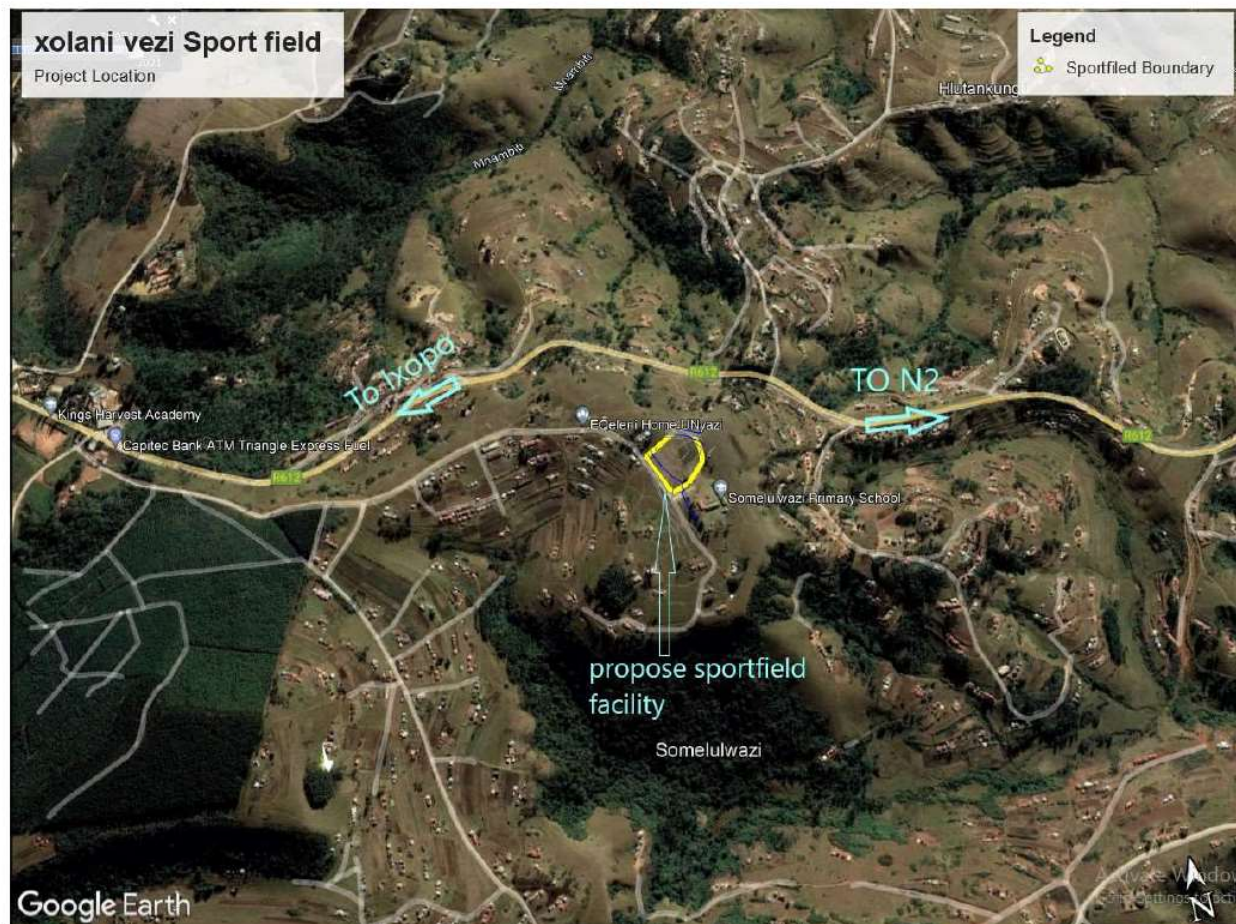
Refer to Plan A image below attached hereto.

Site Coordinates (centre of site)

Latitude: 30° 17.211'S

Longitude: 30° 19.453'E

LOCALITY PLAN



C6: SITE INFORMATION

C6.3 CONTRACT NOTICE BOARD



NOTE:

The exact wording must be approved by the Engineer before ordering the contract name board

SPECIFICATION

1. The board must comply with the diagram above
2. The board must be made of minimum 0,6mm thick diameter chromadeck sheet (or similar approved)
3. The board must be mounted on a steel frame and must be cross braced at the back to prevent it from deforming
4. The board must be erected with atleast two firmly planted poles
5. The board must be erected with a minimum ground level clearance of 1800mm

APPROVAL STATUS

NAME CAPACITY SIGNATURE DATE

C7: ANNEXURES

C7 ANNEXURES

C7.1 DRAWINGS

The drawings issued to Bids as part of the Bid documents must be regarded as provisional and preliminary for the Bidder's benefit to generally assess the scope of work. The drawings may be issued as a separate book of drawings or else bound in as part of this document.

The work shall be carried out in accordance with the latest available revision of the drawings approved for construction (AFC)

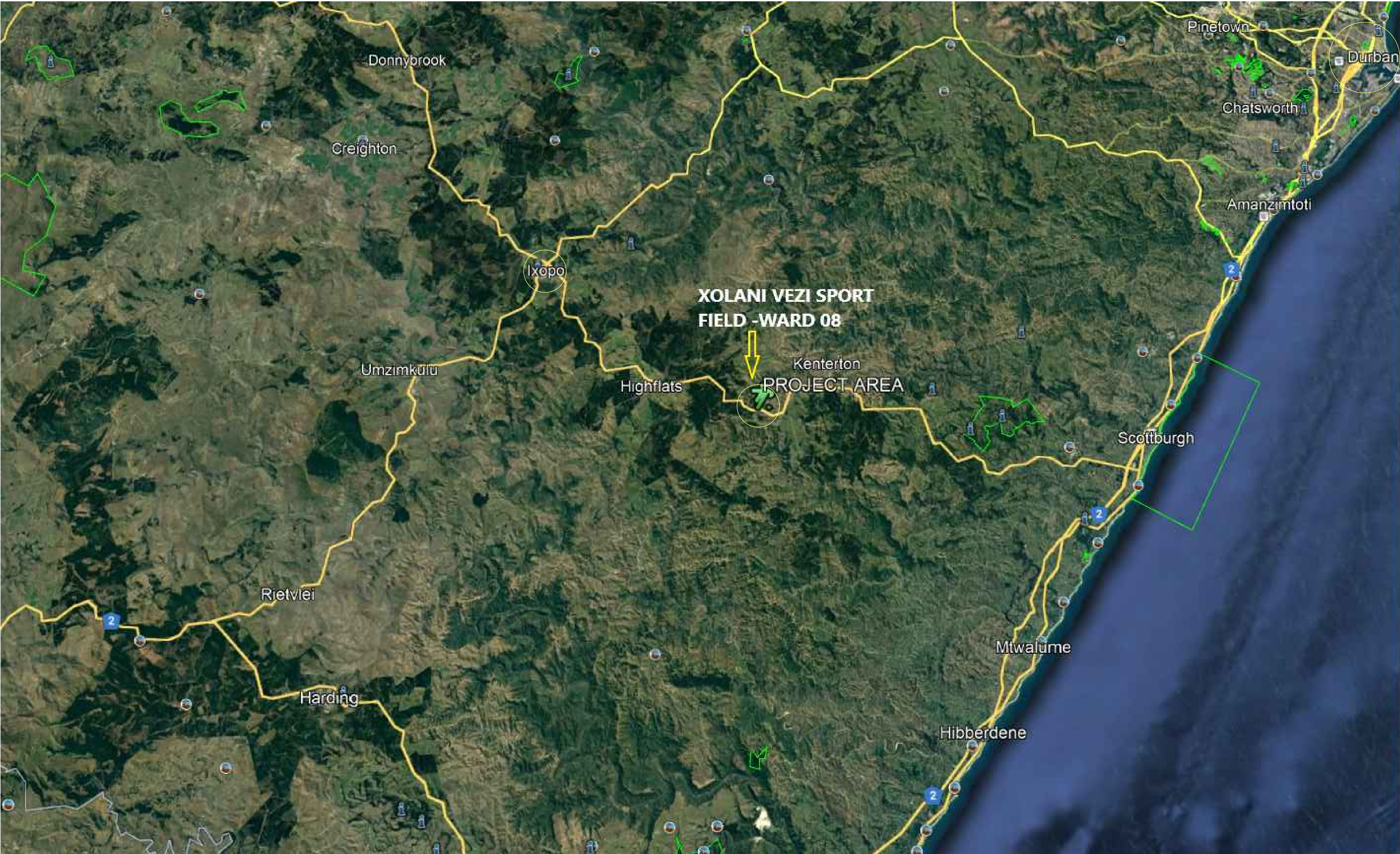
At commencement of the contract, the Engineer shall deliver to the Contractor copies of the AFC drawings and any instructions required for the commencement of the works. From time to time thereafter during the progress of the works, the Engineer may issue further drawings for construction purposes as may be necessary for adequate construction, completion and defects correction of the works.

Drawings issued separately are listed in the Book of Drawings.

All drawings and specifications and copies thereof remain the property of the Employer, and the Contractor shall return all drawings and copies thereof to the Employer at the completion of the contract.

LIST OF DRAWINGS:

CONSTRUCTION OF XOLANI VEZI SPORT FIELD – WARD 08 TENDER DRAWINGS		
DRAWING NO.	DRAWING TITLE	DRAWING REV
UBLM/21-XV-A001	LOCALITY PLAN	REV 0
UBLM/21-XV-A002	OVERALL LAYOUT PLAN	REV 0
UBLM/21-XV-A003	CHANGEROOMS & ABLUTION DETAIL ,SPORTFIELD LAYOUT AS PER DSR AND TYPICAL SEPTIC TANK DETAIL	REV 0
UBLM/21-XV-A004	COMBINED COURT LAYOUT	REV 0
UBLM/21-XV-A004-01	MAIN SOCCER PITCH DETAILS	REV 0
UBLM/21-XV-A005	SPORTFIELD-STRUCTURAL STEEL GRAND STAND LAYOUT AND DETAILS	REV 0
UBLM/21-XV-A006	SEPTIC TANK	REV 0



THE COPYRIGHT IN THIS DRAWING, INCLUDING THE DESIGN AND DETAILS SHOWN HEREON, IS RESERVED BY THE ENGINEER

0	S.M	06/22	FOR TENDER
A	S.M	11/21	PRELIMINARY DESIGN

Rev.	By	Date	Revision Details
DESIGNED	S.MBAMBO	NOV 2021	
CHECKED	T. TAURIA	NOV 2021	
DRAWN	S.MBAMBO	NOV 2021	
CHECKED	S.ZEKEVU	NOV 2021	

CLIENT



CLIENT APPROVED

DATE

 **BUCHULE ENGINEERS**
29 CLARABEL ROAD
WINDERMERE
DURBAN
4001
TEL: (031) 331 0478
FAX: (086) 618 9069
EMAIL: info@buchule.co.za
WEB: www.buchule.co.za

CONSULTANTS SIGNATURE

DATE

Pr No.

CLIENTS SIGNATURE

DATE

PROJECT TITLE

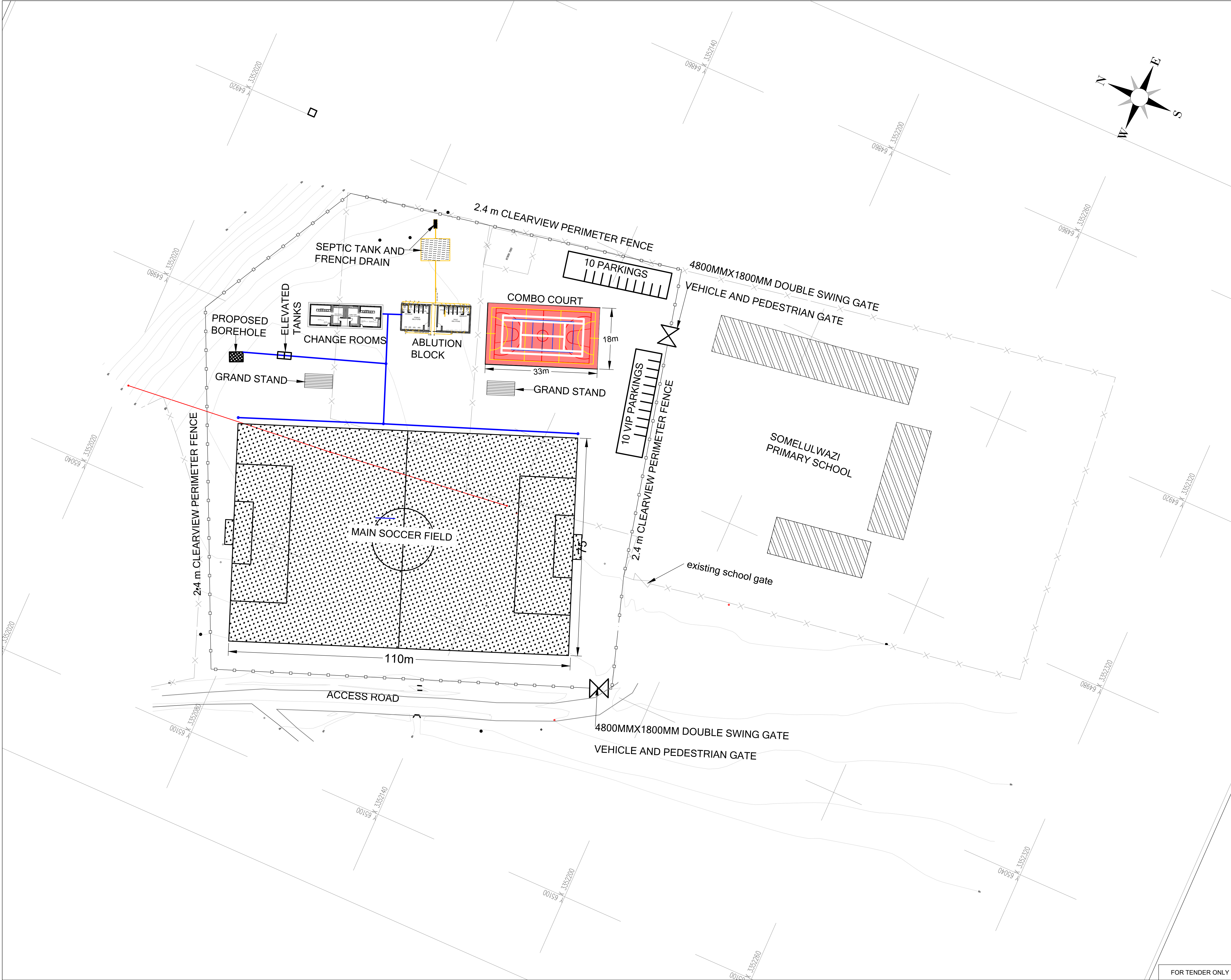
CONSTRUCTION OF XOLANI VEZI
SPORT FIELD

DRAWING TITLE

LOCALITY PLAN

FOR TENDER ONLY

DRAWING No.	UBLM/21-XV-A001	REV.	0
-------------	-----------------	------	---



THE COPYRIGHT IN THIS DRAWING, INCLUDING THE DESIGN AND DETAILS SHOWN HEREON, IS RESERVED BY THE ENGINEER

General Notes/Legend

NOTES

1. GALVANISED M12 BOLT WITH NUT AND 2 WASHES
2. SUPPORTS TO BE CROSOATED POLES WITH MINIMUM DIAMETER OF 125mm

LEGEND

- NEW CLEAR VIEW FENCE
- EXISTING SCHOOL FENCE
- EXISTING ELECTRIC LINE
- ELECTRIC POLE
- SEWER PIPES
- WATER SUPPLY

0	S.M	06/22	FOR TENDER
B	S.M	03/22	PRELIMINARY DESIGN
A	S.M	11/21	PRELIMINARY DESIGN

Rev.	By	Date	Revision Details
DESIGNED	S.MBAMBO	NOV 2021	
CHECKED	T. TAURIA	NOV 2021	
DRAWN	S.MBAMBO	NOV 2021	
CHECKED	S.ZEKEVU	NOV 2021	



CLIENT APPROVED _____ DATE _____

BUCHULE ENGINEERS
BUCHULE ENGINEERS (PTY) LTD
29 CLARABEL ROAD
WINDERMERE
DURBAN
4001
TEL: (031) 331 0478
FAX: (086) 618 9069
EMAIL: info@buchule.co.za
WEB: www.buchule.co.za

CONSULTANTS SIGNATURE _____	DATE _____
Pr No. _____	
CLIENTS SIGNATURE _____	DATE _____

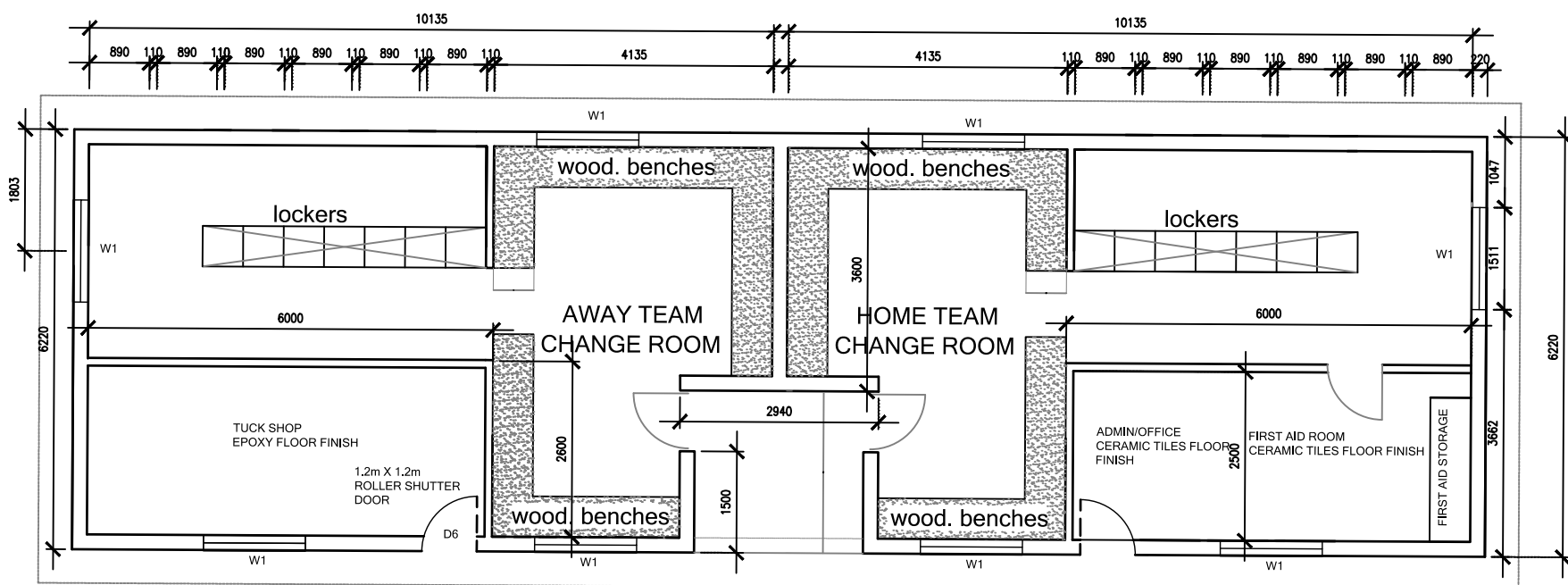
PROJECT TITLE
CONSTRUCTION OF XOLANI VEZI
SPORT FIELD

DRAWING TITLE
OVERALL LAYOUT PLAN

SCALE : 1:500

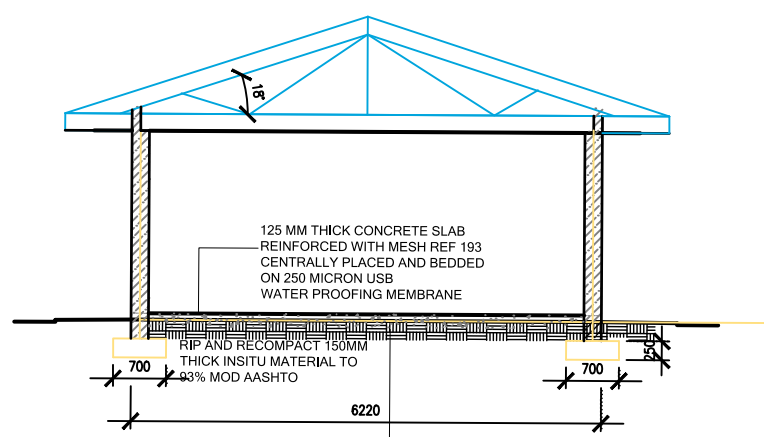
DRAWING No. UBLM/21-XV-A002 REV. 0

FOR TENDER ONLY



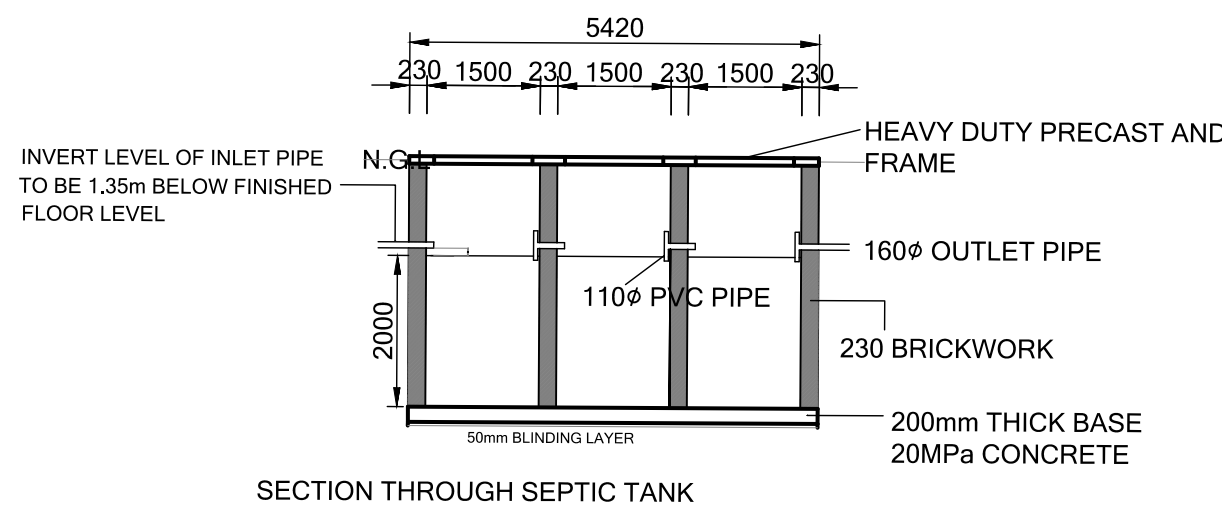
CHANGE ROOM LAYOUT

Scale 1:100

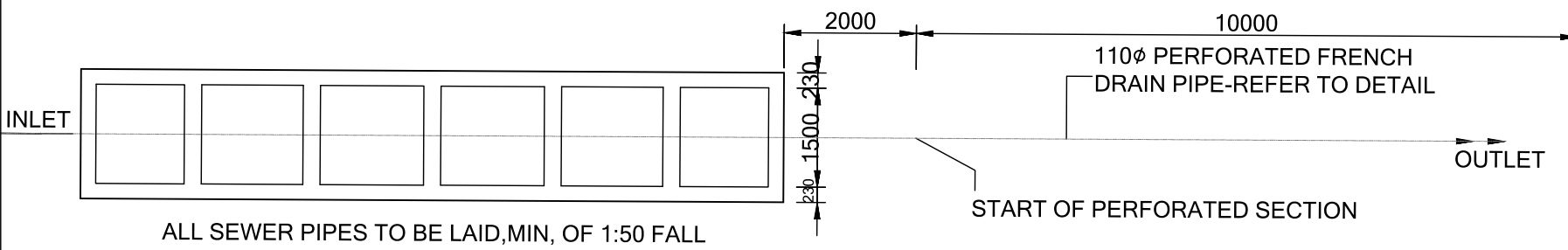


SECTIONAL VIEW

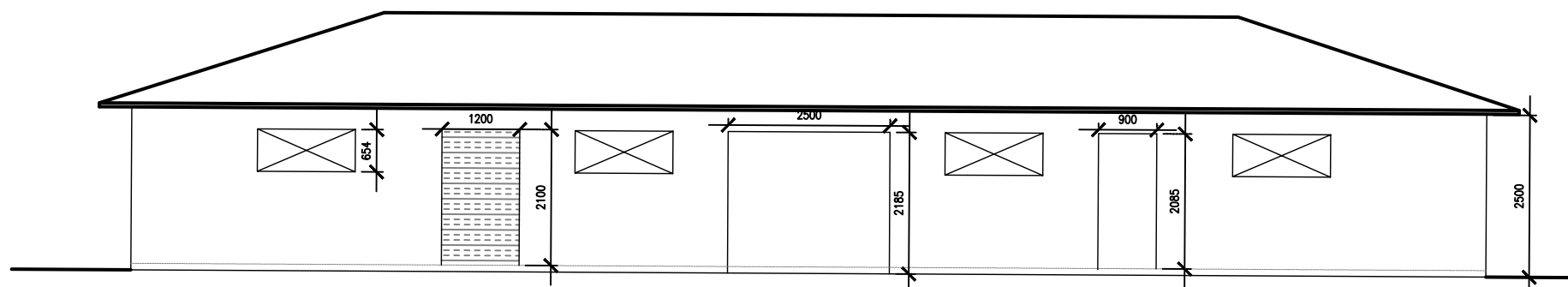
Scale 1:100



SECTION THROUGH SEPTIC TANK

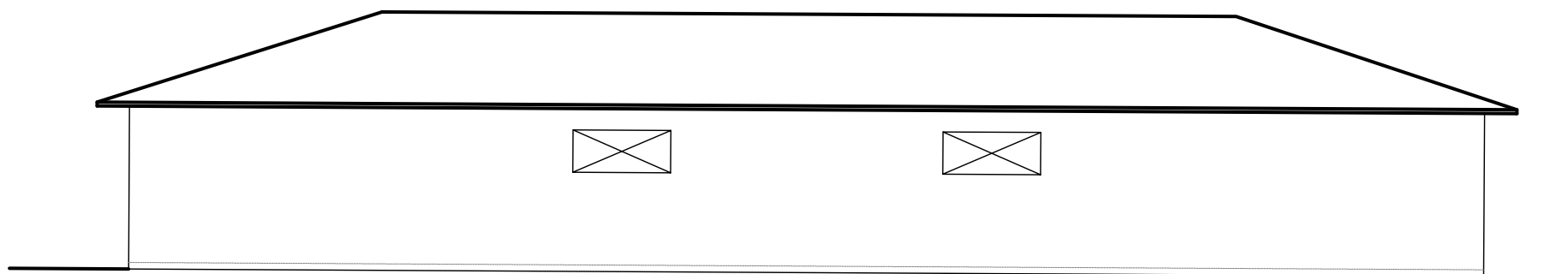


TYPICAL PLAN OF SEPTIC TANK-
SEE DWG UBLM/21-XV-A003



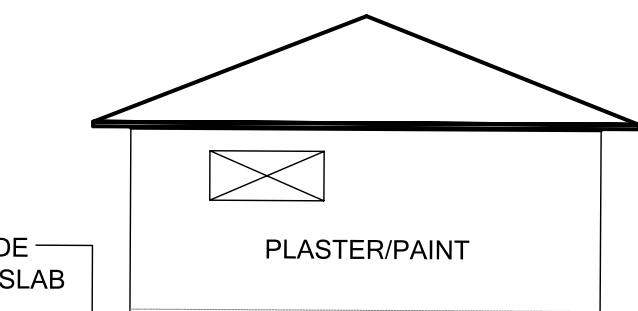
FRONT ELEVATION

Scale 1:100



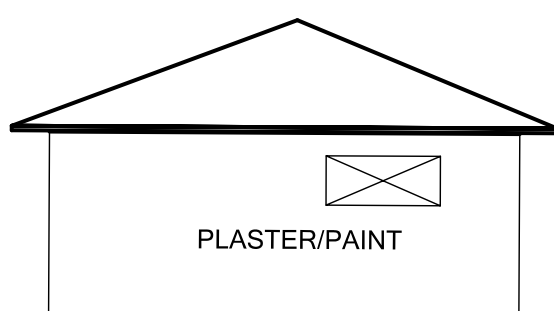
REAR ELEVATION

Scale 1:100



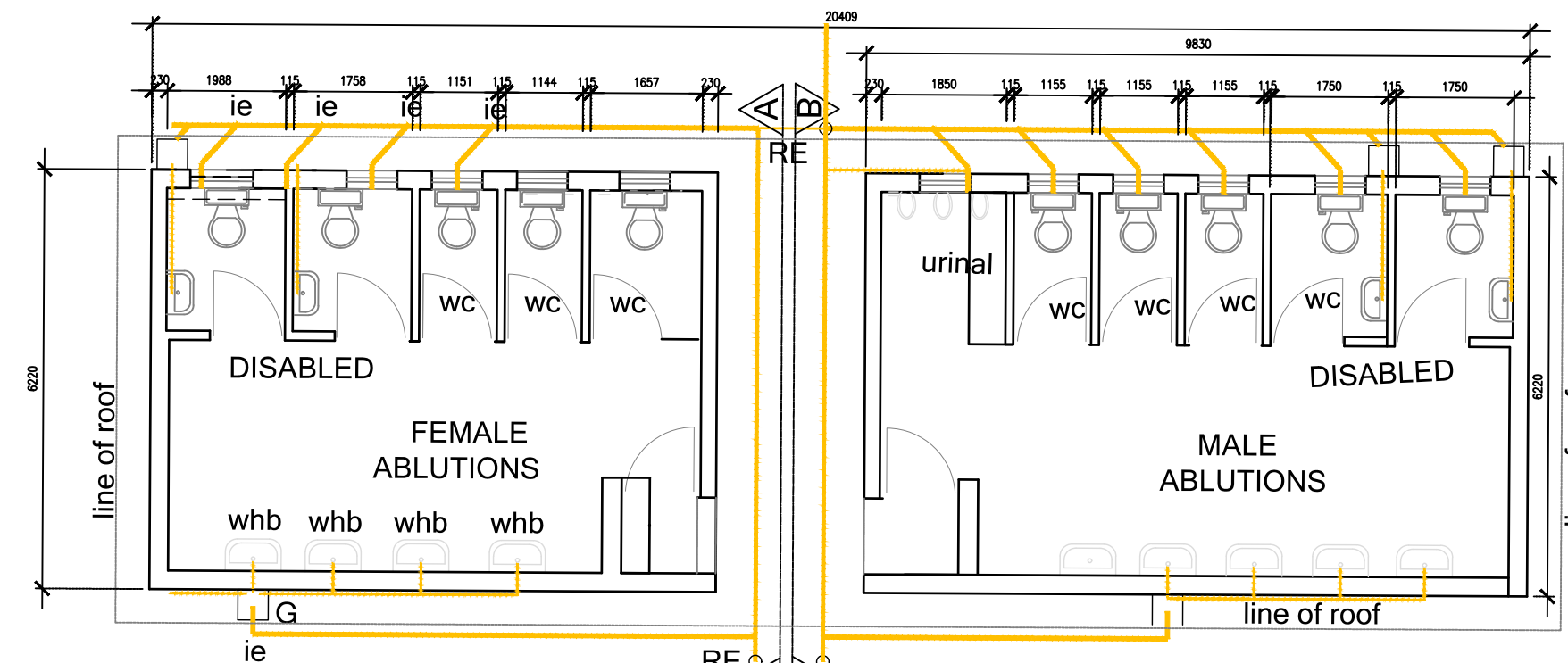
EAST SIDE ELEVATION

Scale 1:100



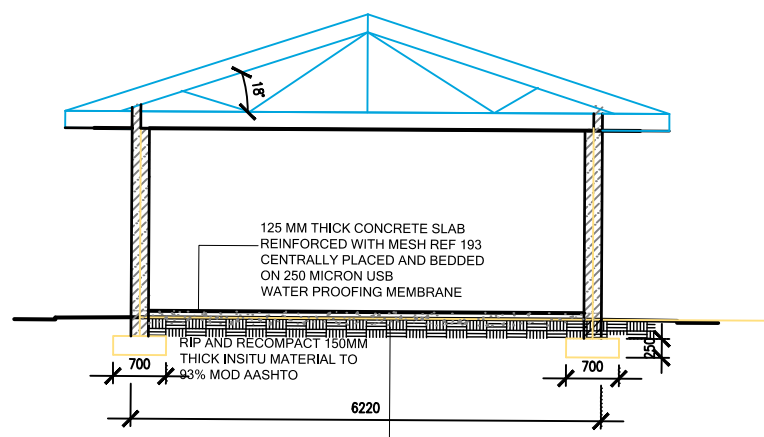
WEST SIDE ELEVATION

Scale 1:100



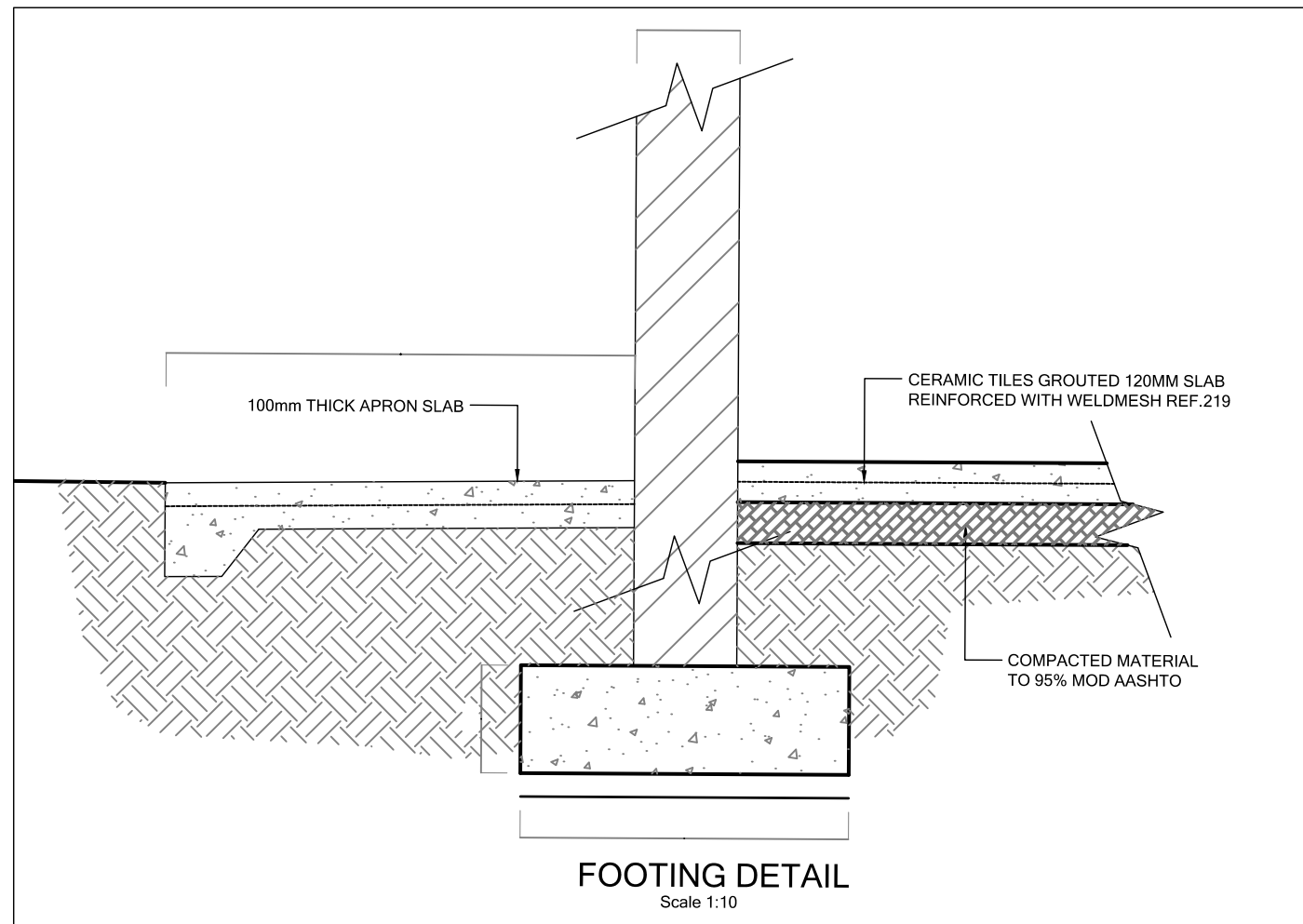
FEMALE AND MALE ABLUTION BLOCK LAYOUT

Scale 1:100



SECTIONAL VIEW

Scale 1:100



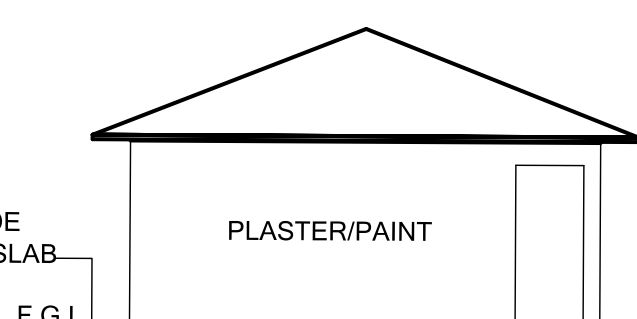
FOOTING DETAIL

Scale 1:10



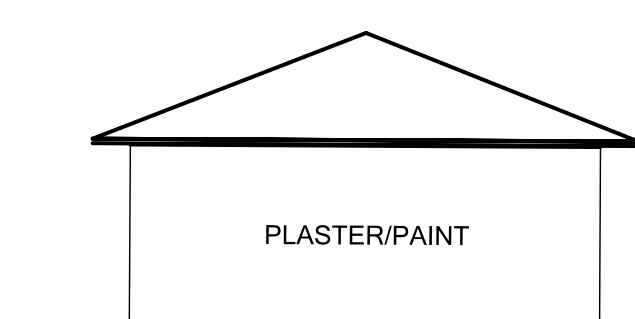
FRONT ELEVATION

Scale 1:100



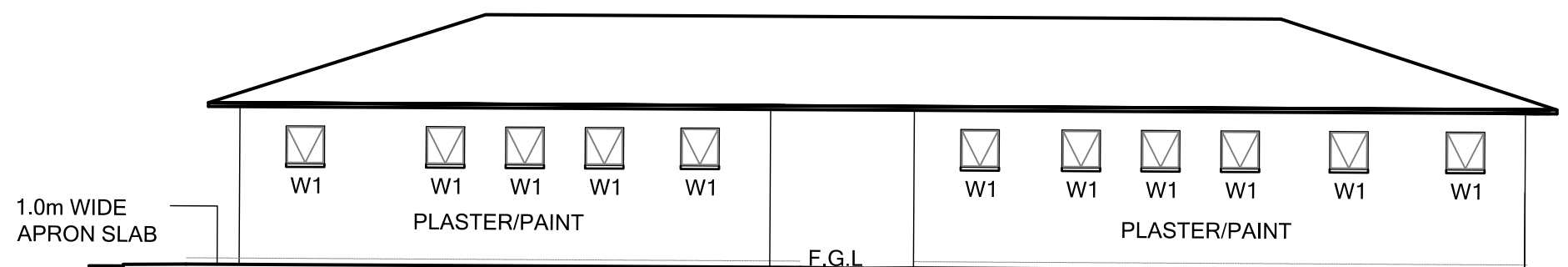
SIDE A-A : ELEVATION

Scale 1:100



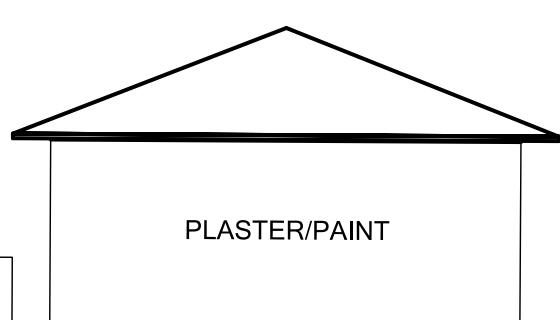
SIDE ELEVATION

Scale 1:100



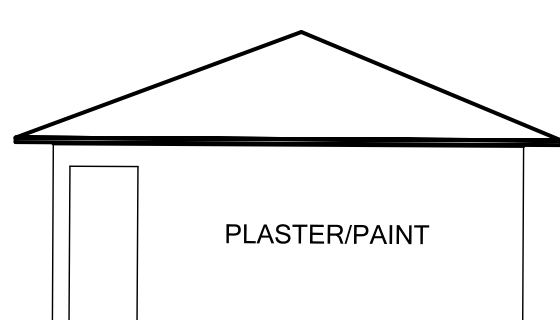
REAR ELEVATION

Scale 1:100



SIDE B-B ELEVATION

Scale 1:100



SIDE ELEVATION

Scale 1:100

THE COPYRIGHT IN THIS DRAWING, INCLUDING THE DESIGN AND DETAILS SHOWN HEREON, IS RESERVED BY THE ENGINEER

General Notes/Legend

NOTES

1. GALVANISED M12 BOLT WITH NUT AND 2 WASHES
2. SUPPORTS TO BE CREOSOTED POLES WITH MINIMUM DIAMETER OF 125mm

LEGEND

0	S.M	06/22	FOR TENDER
B	S.M	03/22	PRELIMINARY DESIGN
A	S.M	11/21	PRELIMINARY DESIGN
Rev.	By	Date	Revision Details
DESIGNED	S.MBAMBO	NOV 2021	
CHECKED	T. TAURIA	NOV 2021	
DRAWN	S.MBAMBO	NOV 2021	
CHECKED	S.ZEKEVU	NOV 2021	

CLIENT



CLIENT APPROVED _____ DATE _____

 **BUCHULE ENGINEERS**
29 CLARABEL ROAD
WINDERMERE
DURBAN
4001
TEL: (031) 331 0478
FAX: (086) 618 9069
EMAIL: info@buchule.co.za
WEB: www.buchule.co.za

CONSULTANTS SIGNATURE _____ DATE _____

Pr No. _____

CLIENTS SIGNATURE _____ DATE _____

PROJECT TITLE

CONSTRUCTION OF XOLANI VEZI SPORT FIELD

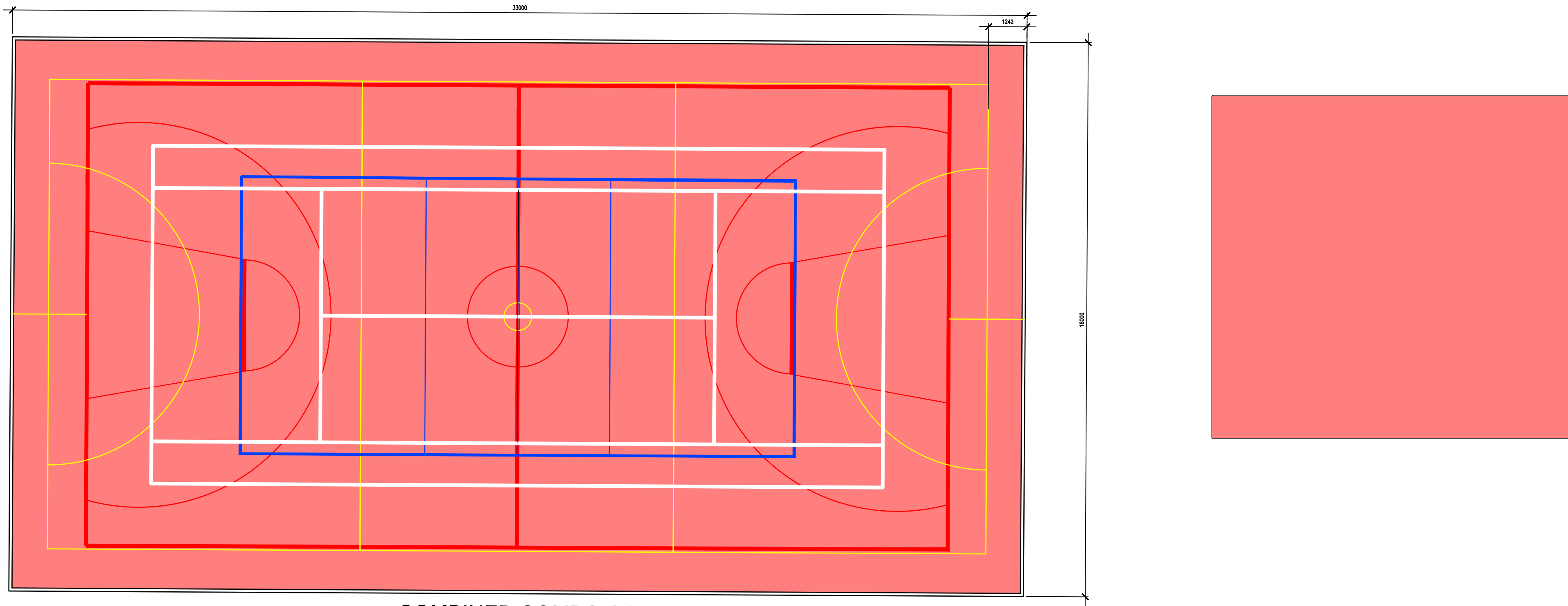
DRAWING TITLE

CHANGEROOMS & ABLUTION DETAIL
SPORTFIELD LAYOUT AS PER DSR
AND TYPICAL SEPTIC TANK DETAIL

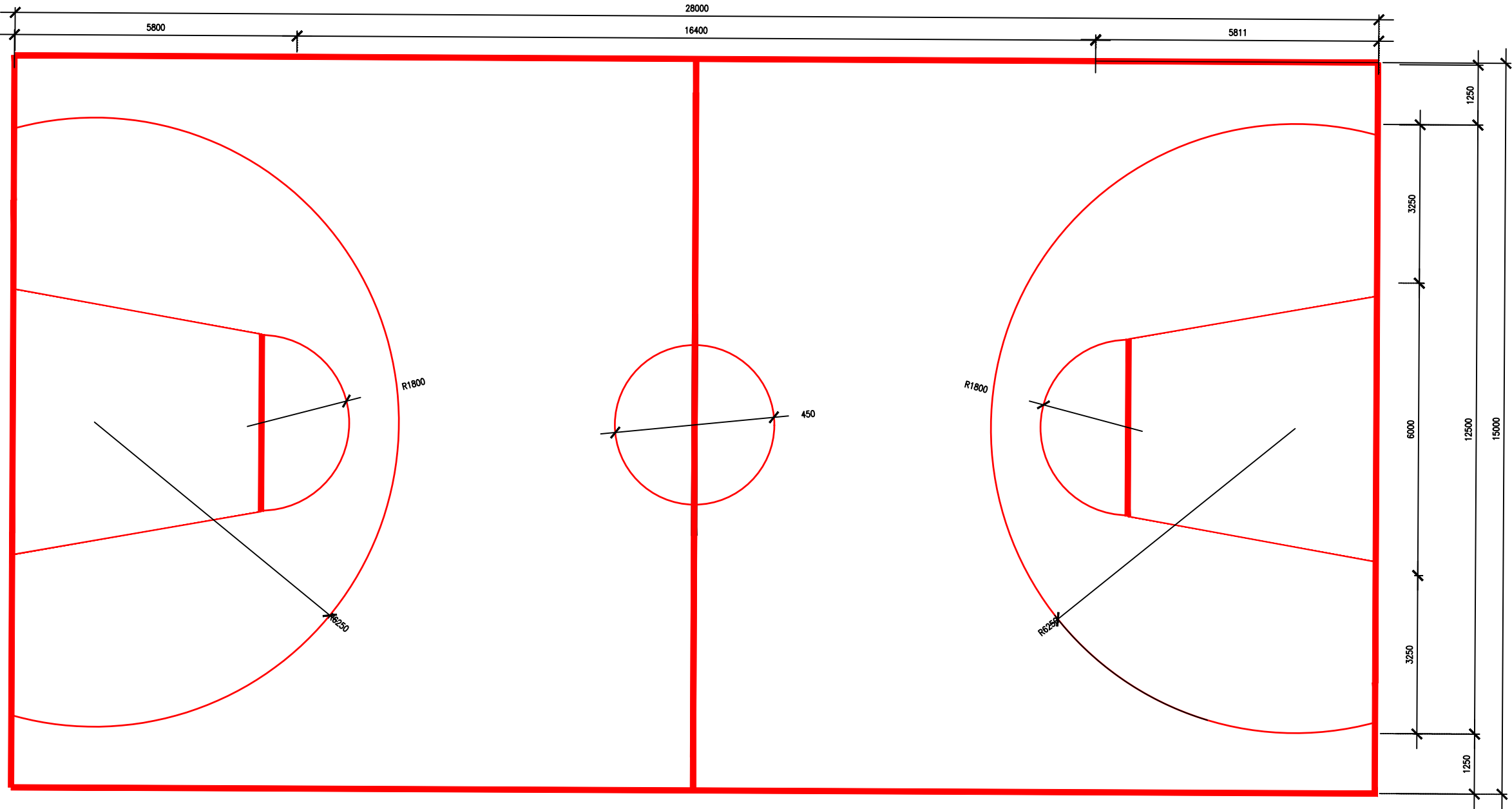
SCALE : AS SHOWN

DRAWING No. UBLM/21-XV-A003 REV. 0

FOR TENDER ONLY

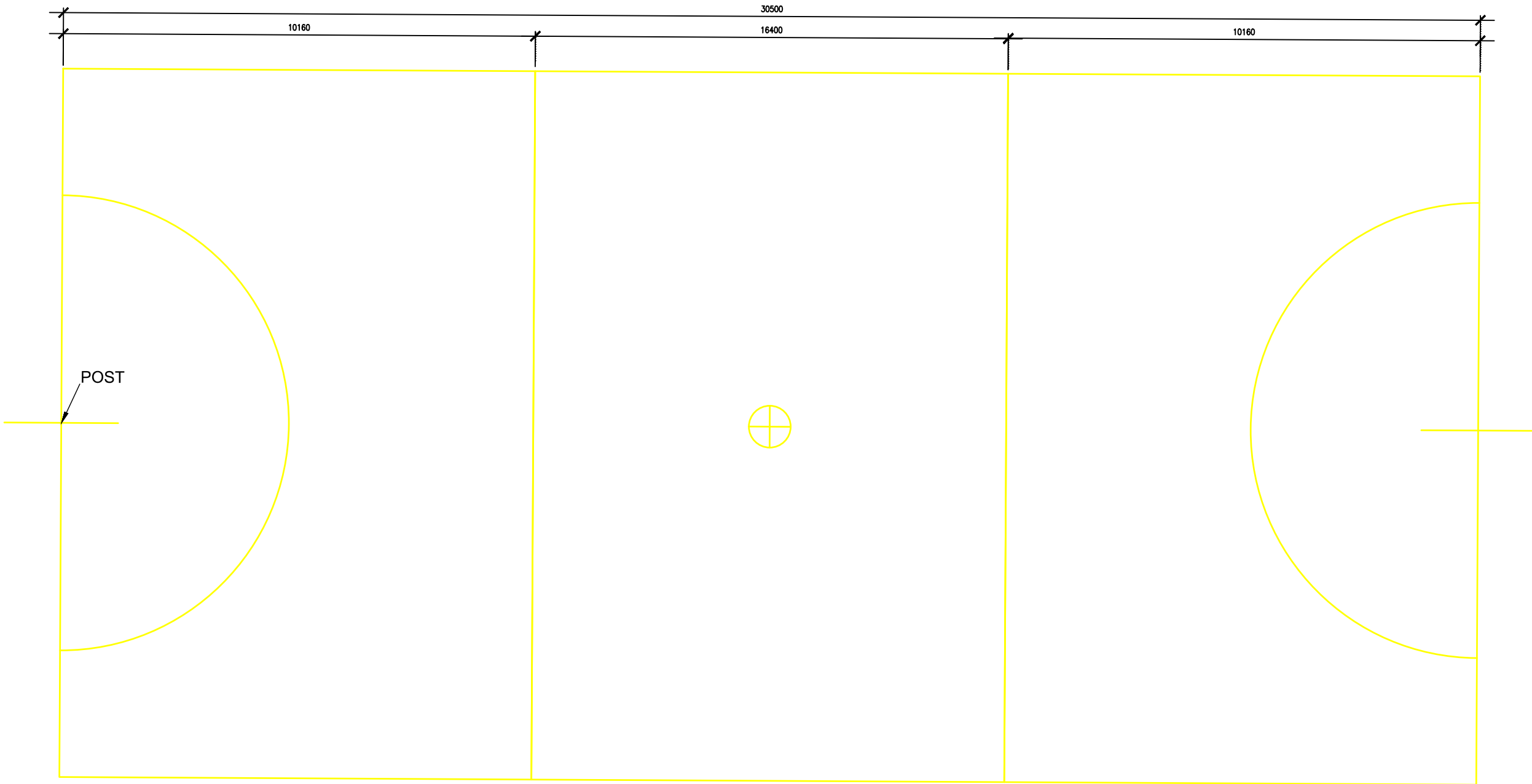


COMBINED COMBO COURT LAYOUT



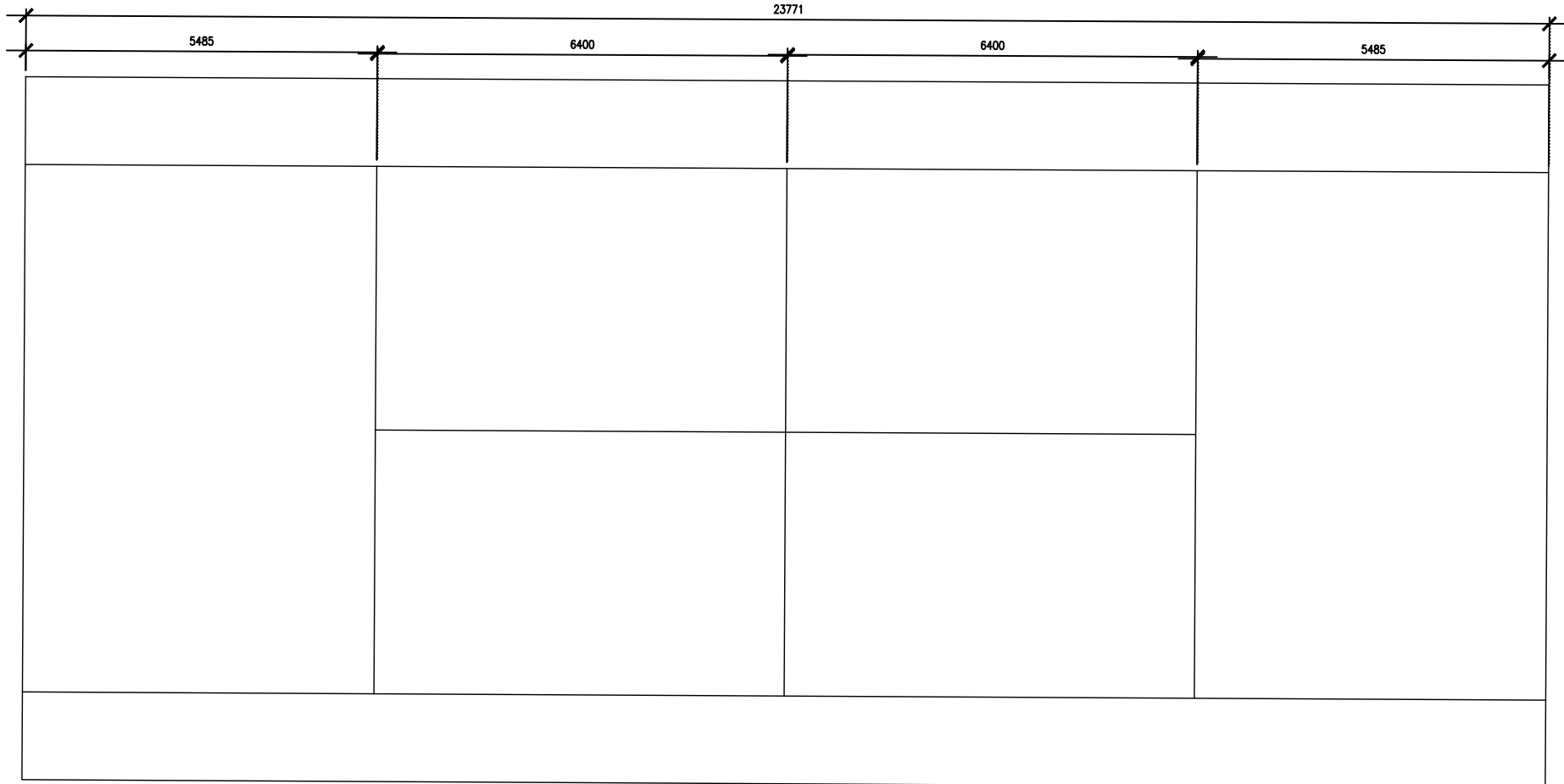
BASKETBALL COURT LAYOUT

Scale 1:100



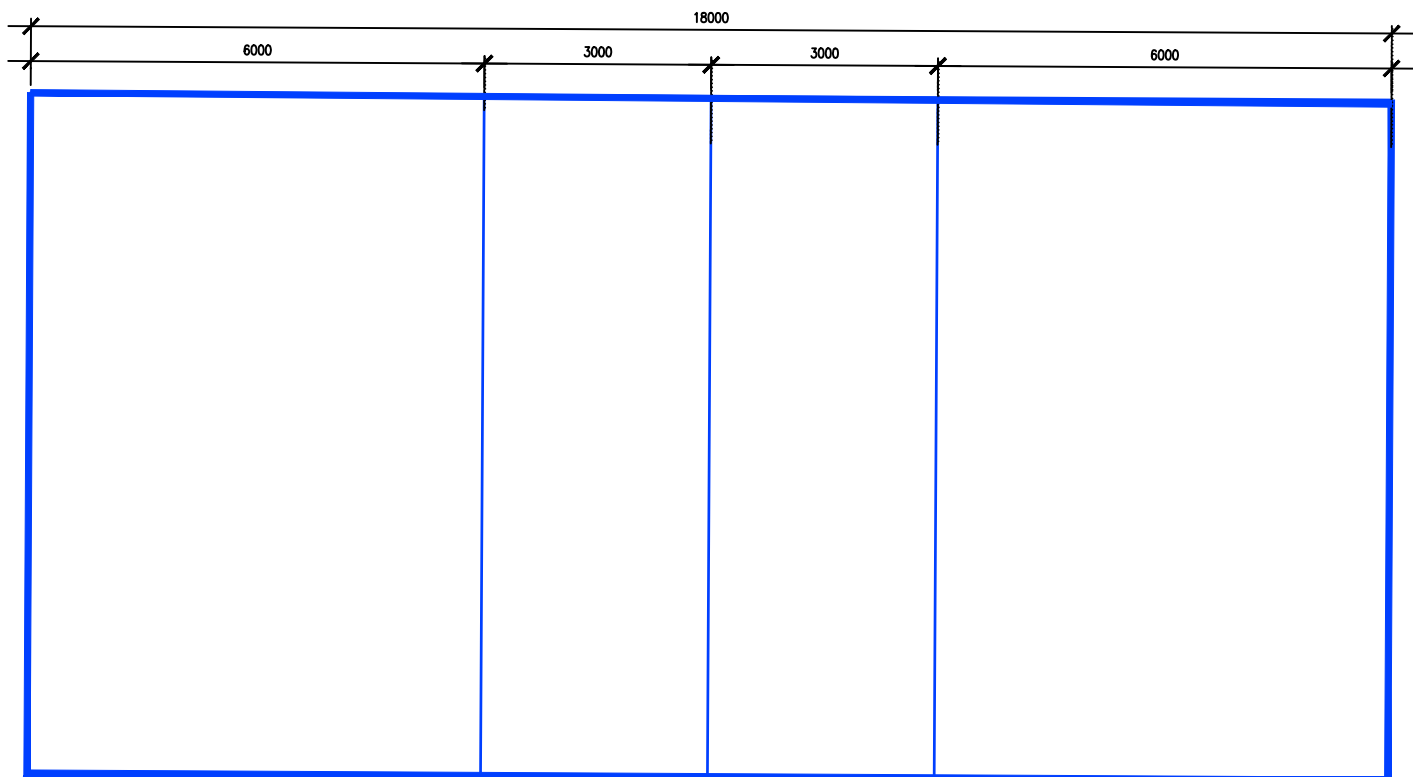
NETBALL COURT LAYOUT

Scale 1:100



TENNIS COURT LAYOUT

Scale 1:100



VOLLEY BALL COURT LAYOUT

Scale 1:100

THE COPYRIGHT IN THIS DRAWING, INCLUDING THE DESIGN AND DETAILS SHOWN HEREON, IS RESERVED BY THE ENGINEER

General Notes/Legend

NOTES

1. GALVANISED M12 BOLT WITH NUT AND 2 WASHES
2. SUPPORTS TO BE CREOSOTED POLES WITH MINIMUM DIAMETER OF 125mm

0	S.M	06/22	FOR TENDER
A	S.M	11/21	PRELIMINARY DESIGN

Rev.	By	Date	Revision Details
DESIGNED	S.MBAMBO	NOV 2021	
CHECKED	T. TAURIA	NOV 2021	
DRAWN	S.MBAMBO	NOV 2021	
CHECKED	S.ZEKEVU	NOV 2021	



CLIENT APPROVED	DATE
-----------------	------

BUCHULE ENGINEERS
29 CLARABEL ROAD
WINDERMERE
DURBAN
4001
TEL: (031) 331 0478
FAX: (086) 618 9069
EMAIL: info@buchule.co.za
WEB: www.buchule.co.za

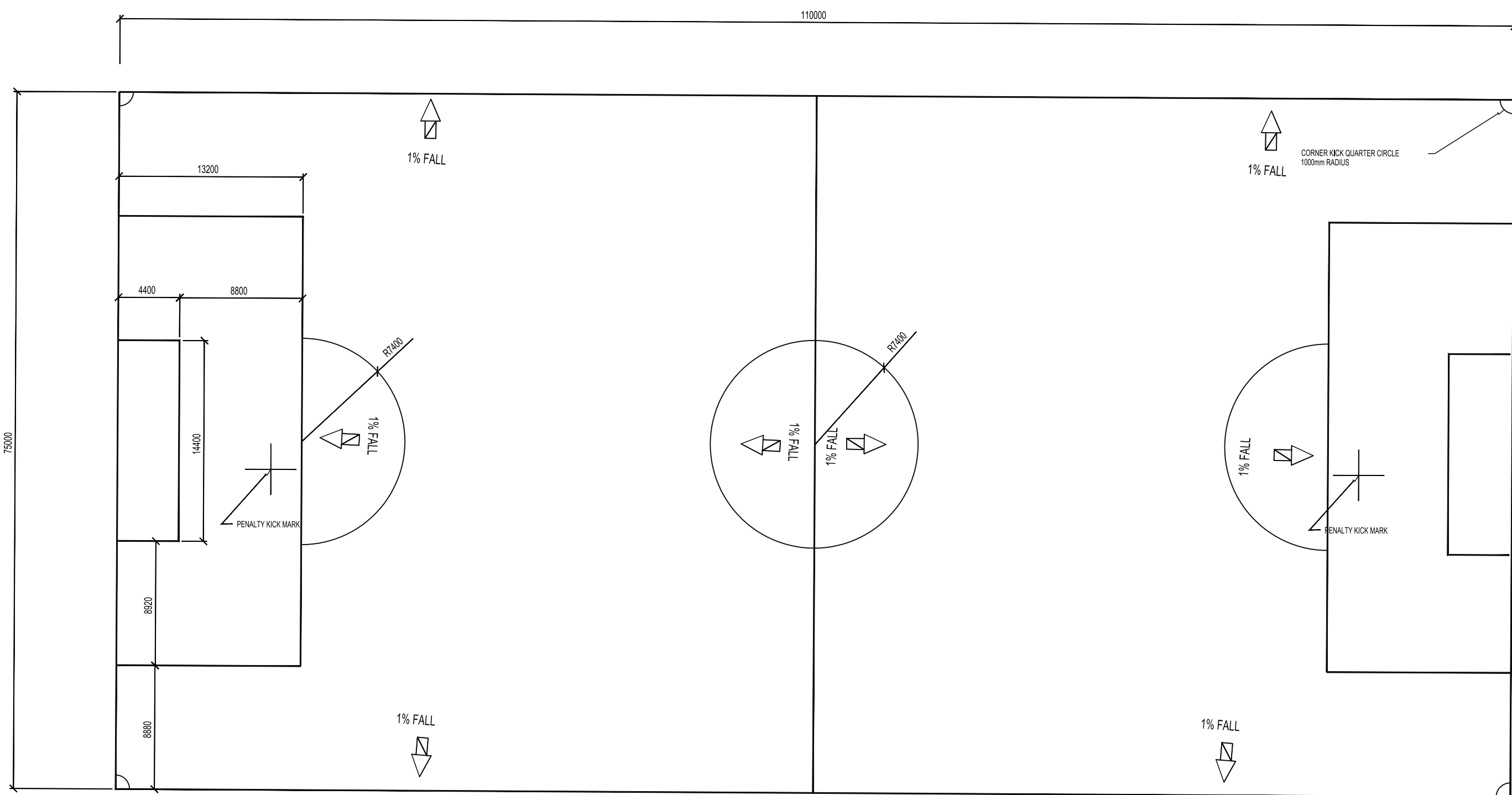
CONSULTANTS SIGNATURE	DATE
Pr No.	
CLIENTS SIGNATURE	DATE

PROJECT TITLE
CONSTRUCTION OF XOLANI VEZI
SPORT FIELD

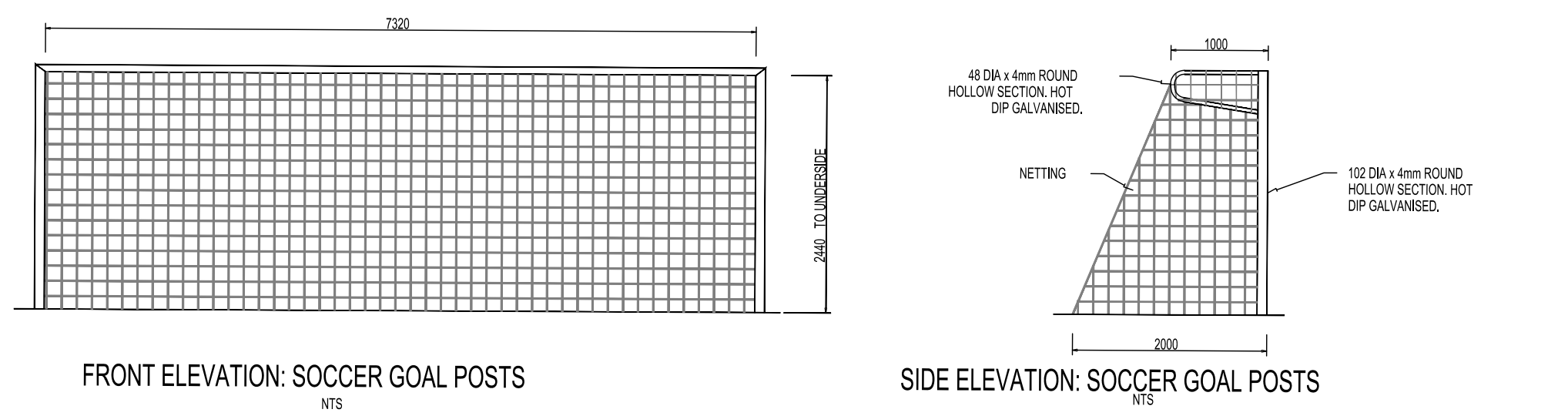
DRAWING TITLE
COMBINED COURT LAYOUT

SCALE : AS SHOWN	REV.
DRAWING No. UBLM/21-XV-A004	0

FOR TENDER ONLY

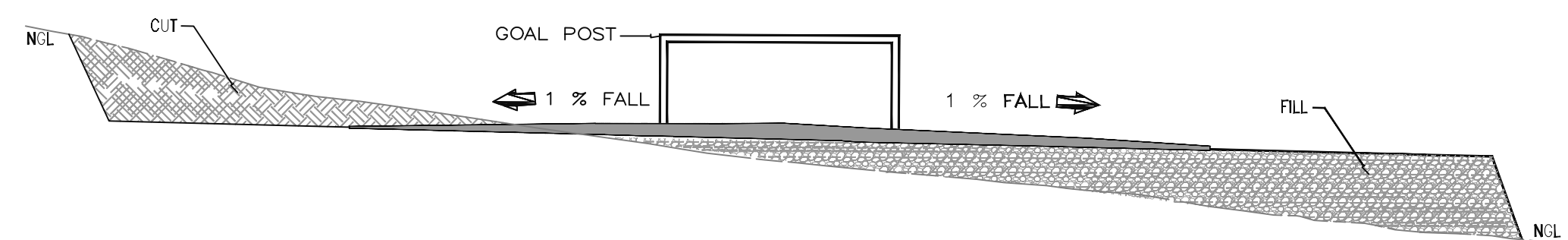


MAIN SOCCER FIELD LAYOUT
NTS

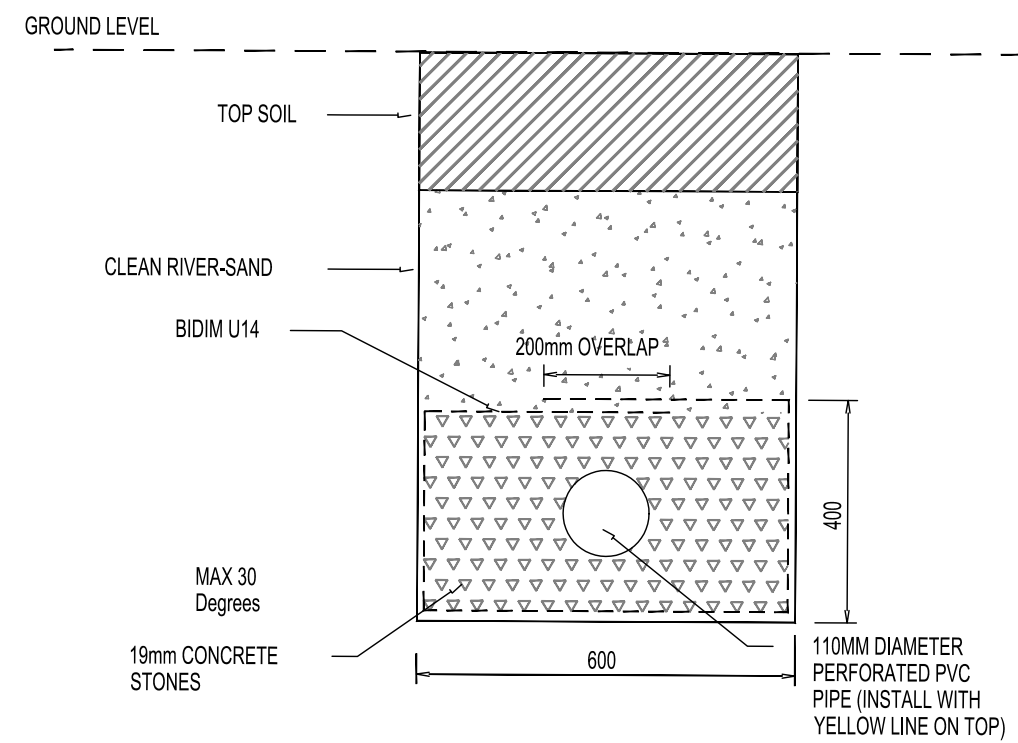


FRONT ELEVATION: SOCCER GOAL POSTS
NTS

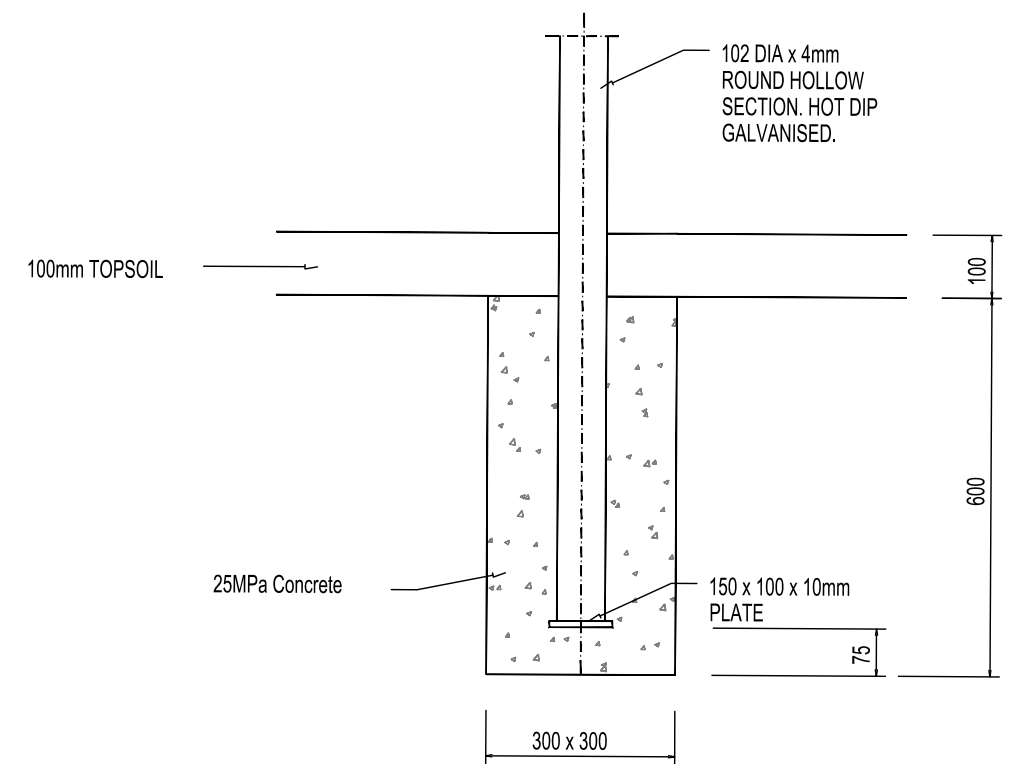
SIDE ELEVATION: SOCCER GOAL POSTS
NTS



SOCCER FIELD CROSS SECTION
NTS



SUBSOIL DRAIN DETAILS
NTS



SECTION: SOCCER GOAL POST BASE
NTS

THE COPYRIGHT IN THIS DRAWING, INCLUDING THE DESIGN AND DETAILS SHOWN HEREON, IS RESERVED BY THE ENGINEER

General Notes/Legend

NOTES

1. GALVANISED M12 BOLT WITH NUT AND 2 WASHES
2. SUPPORTS TO BE CREOSOTED POLES WITH MINIMUM DIAMETER OF 125mm

0	S.M	06/22	FOR TENDER
A	S.M	04/22	DRAFT TENDER

Rev.	By	Date	Revision Details
DESIGNED	S.MBAMBO	NOV 2021	
CHECKED	T. TAURIA	NOV 2021	
DRAWN	S.MBAMBO	NOV 2021	
CHECKED	S.ZEKEVU	NOV 2021	



CLIENT APPROVED	DATE
-----------------	------

BUCHULE ENGINEERS
DEVELOPMENT & CONSTRUCTION ENGINEERS
BUCHULE ENGINEERS (PTY) LTD
29 CLARABEL ROAD
WINDERMERE
DURBAN
4001
TEL: (031) 331 0478
FAX: (086) 618 9069
EMAIL: info@buchule.co.za
WEB: www.buchule.co.za

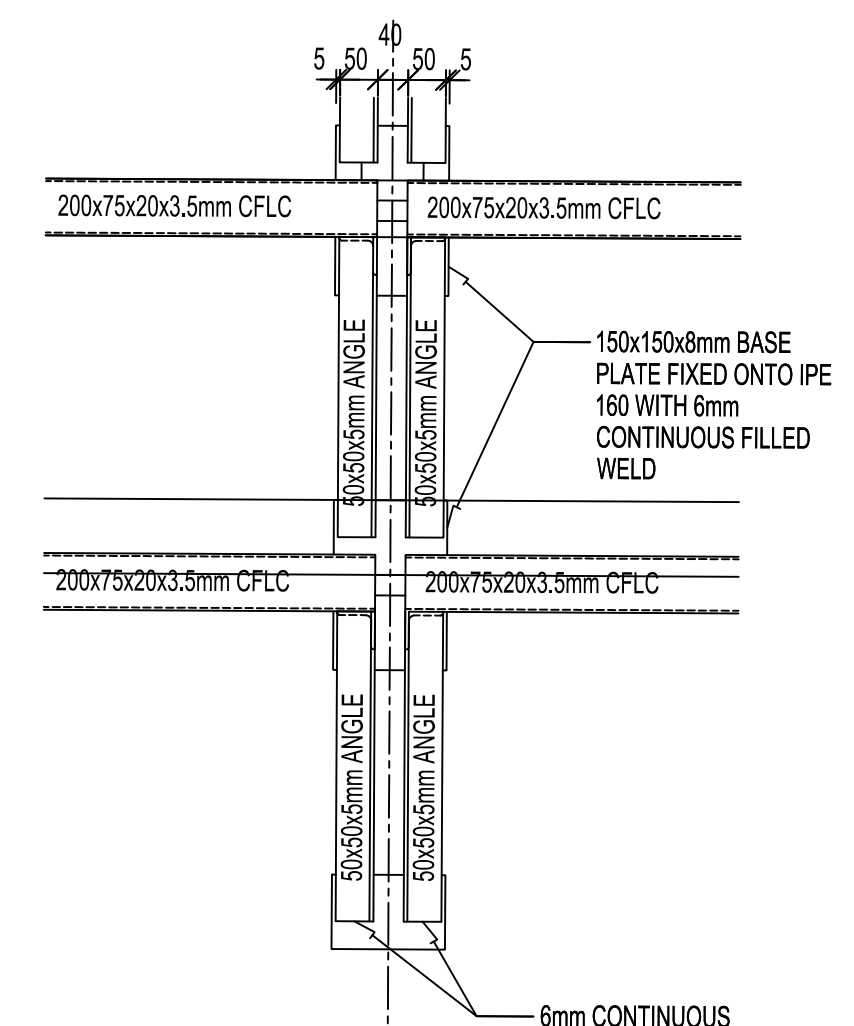
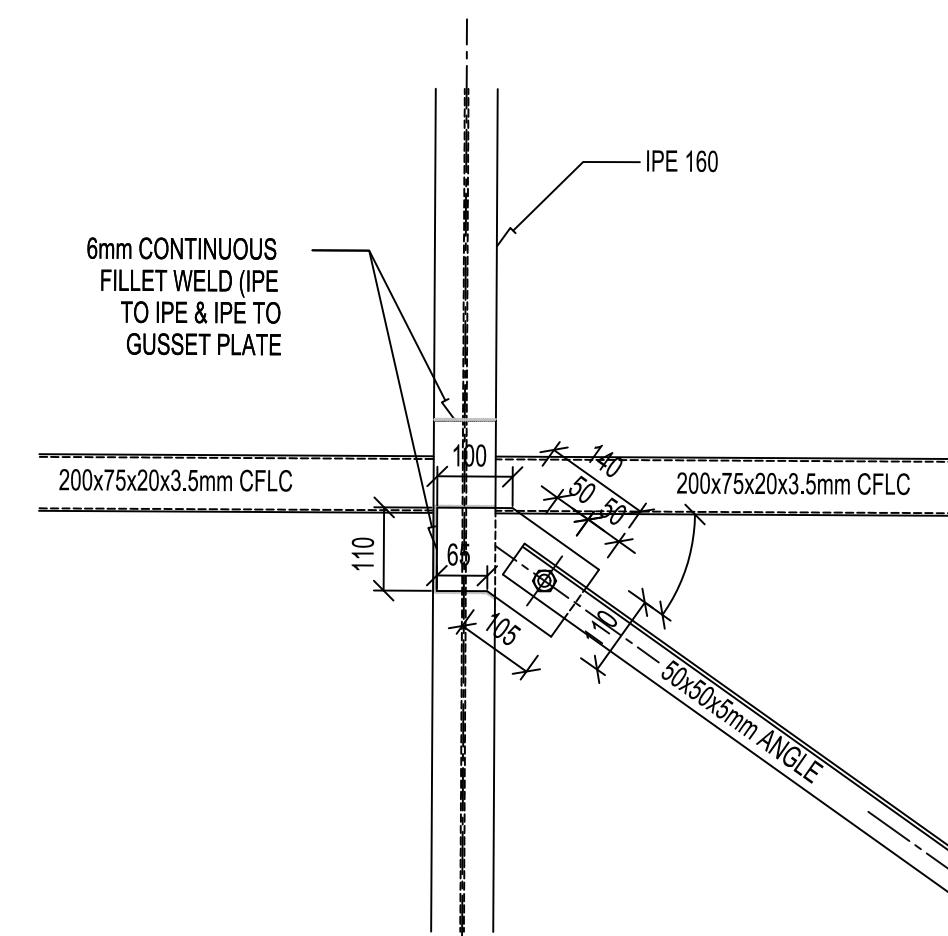
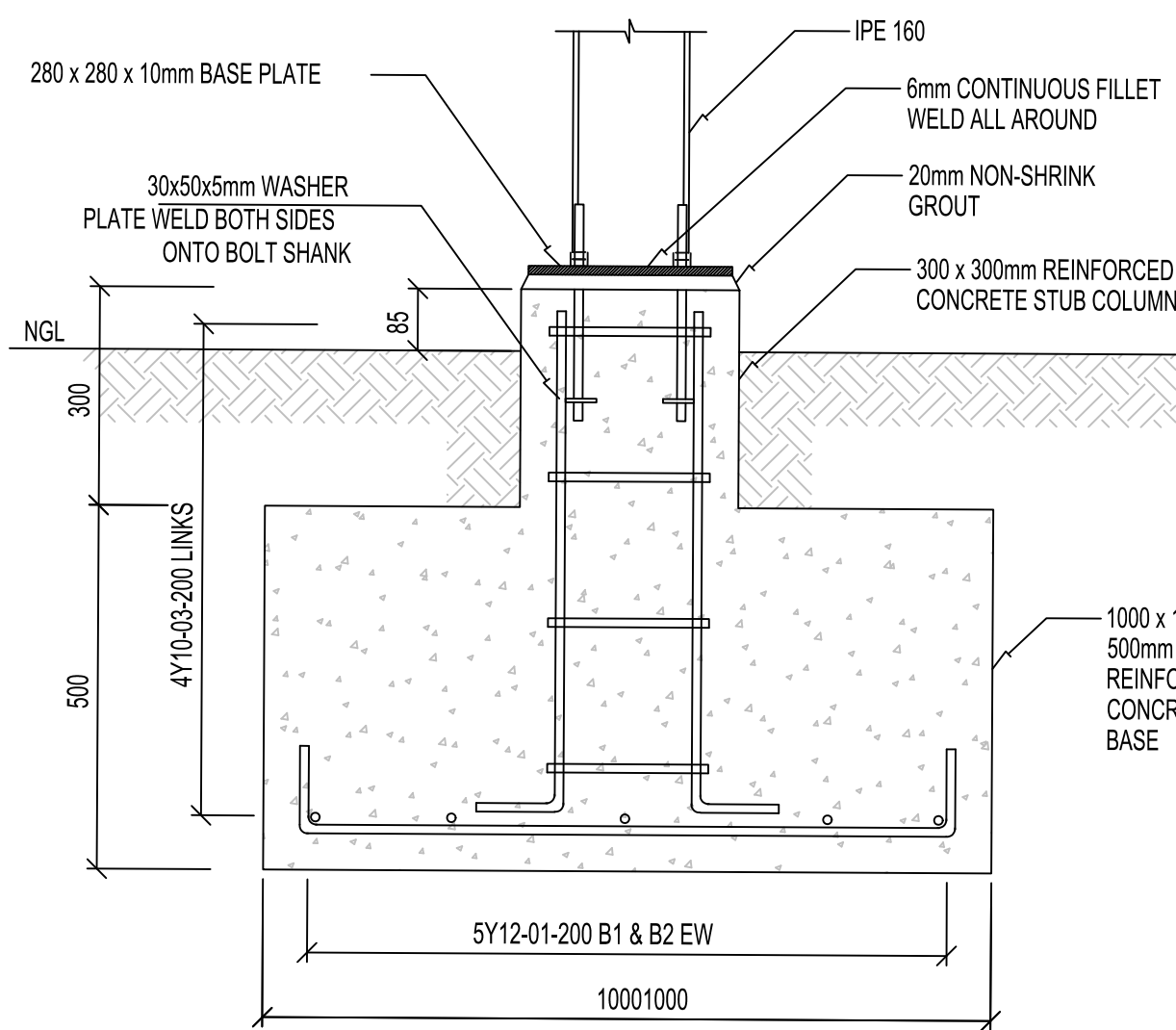
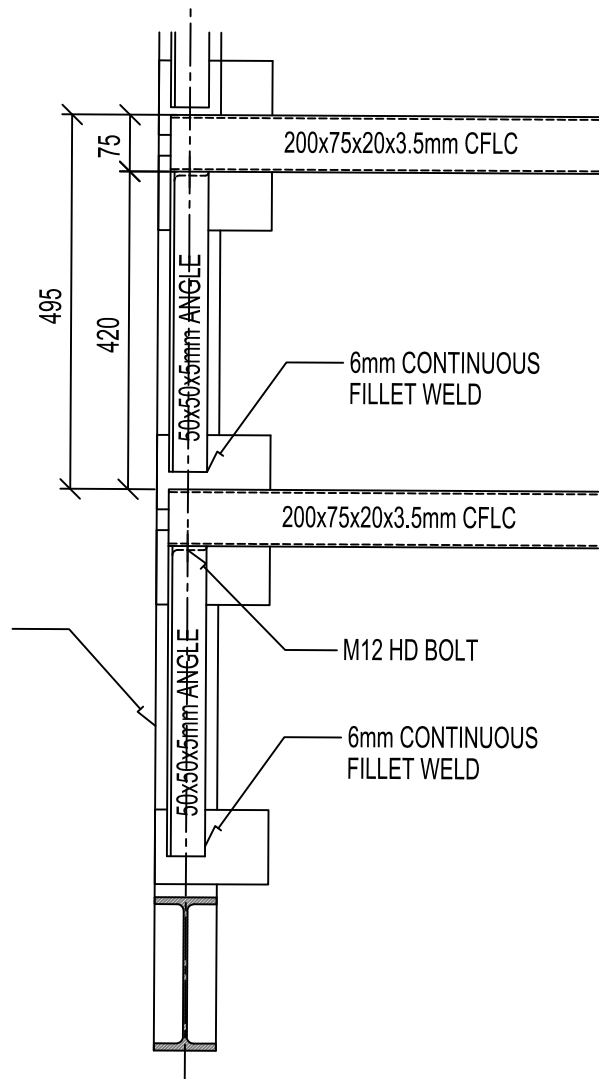
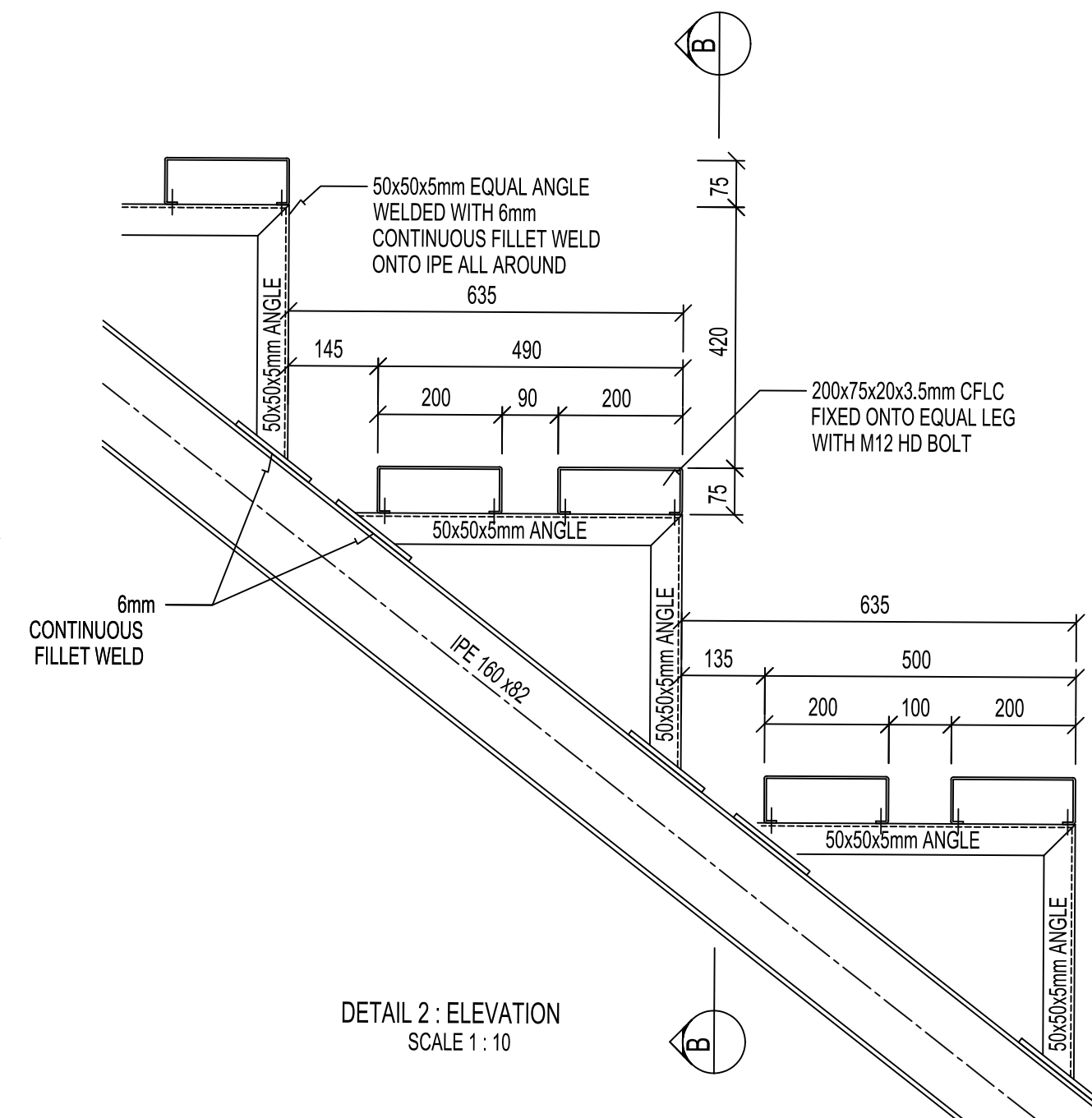
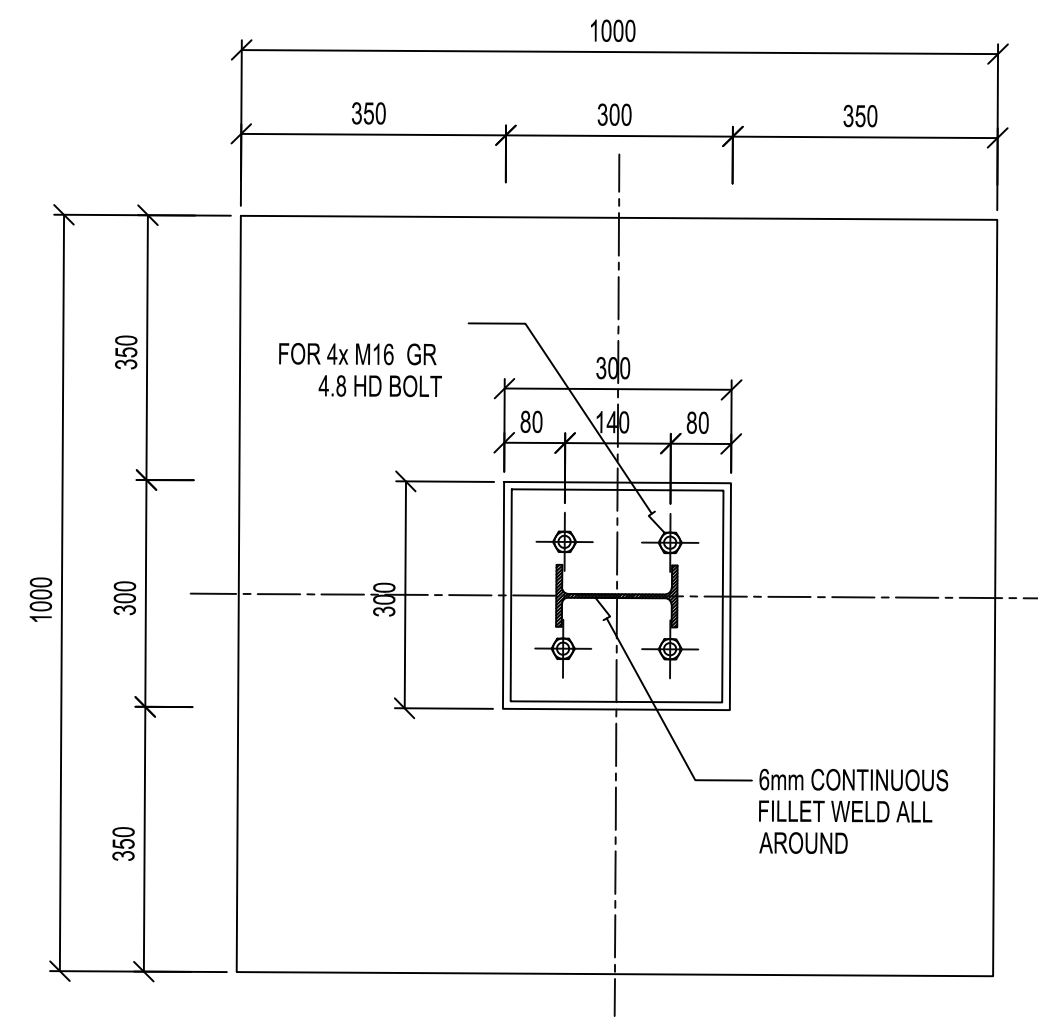
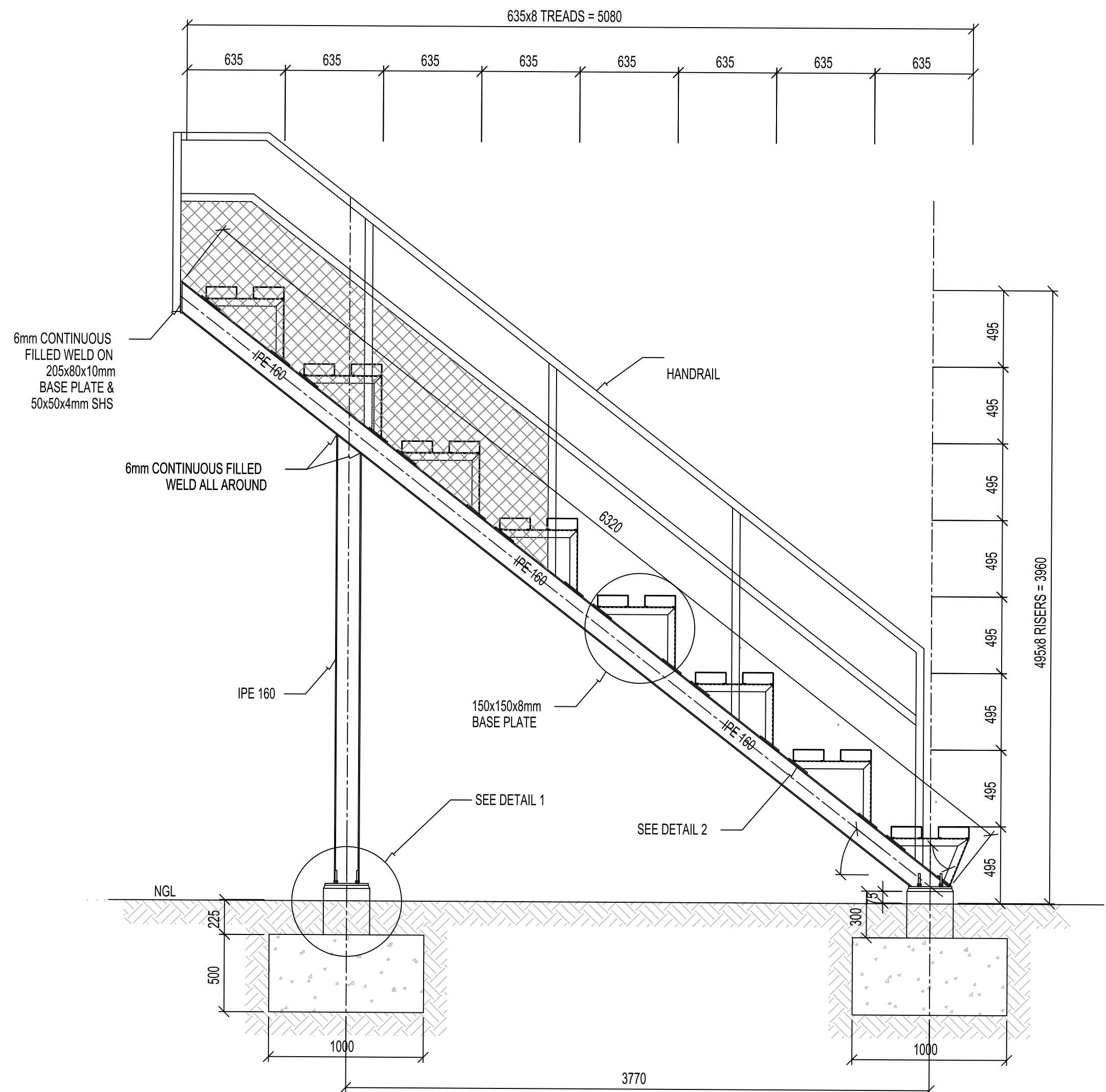
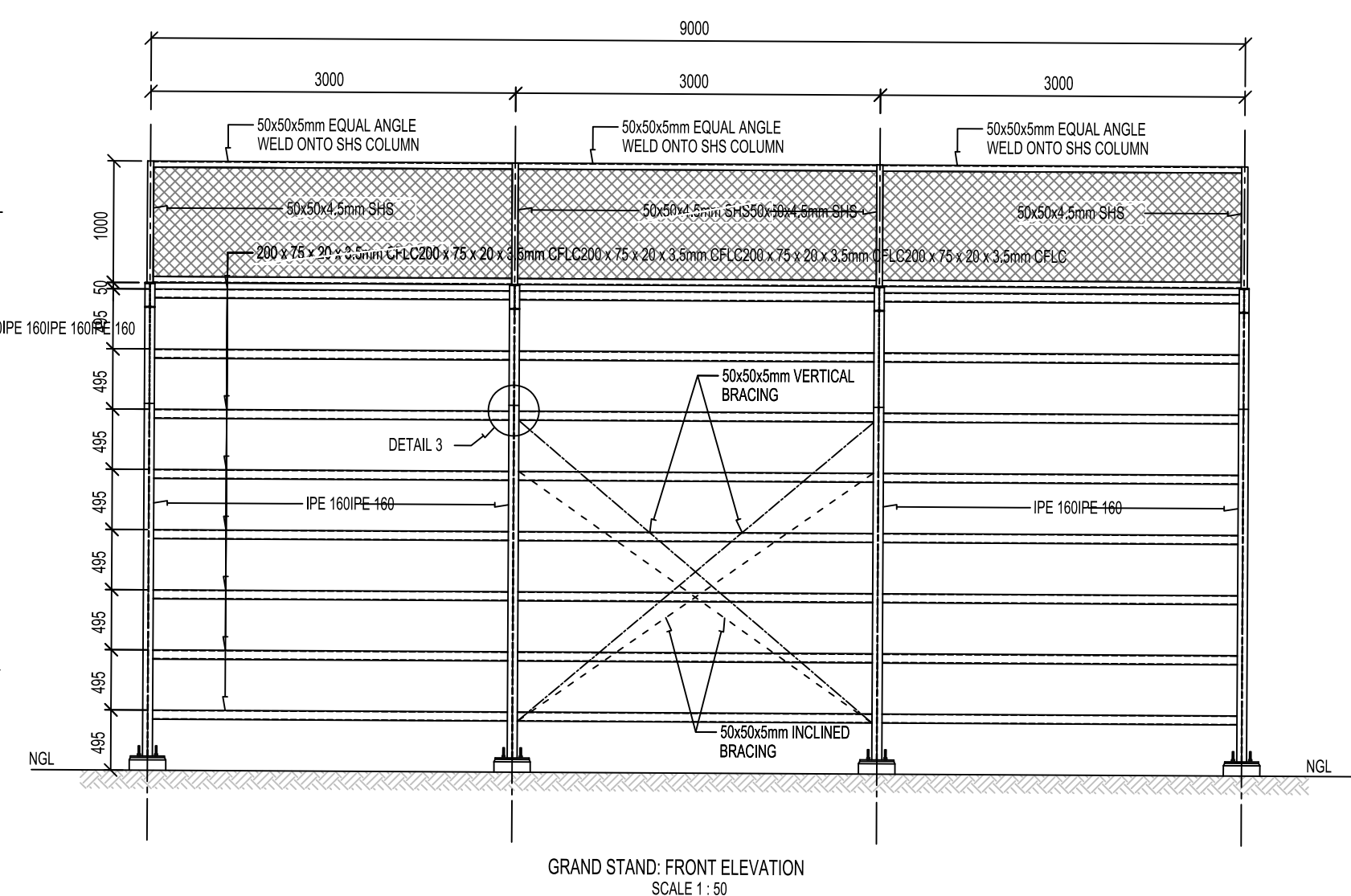
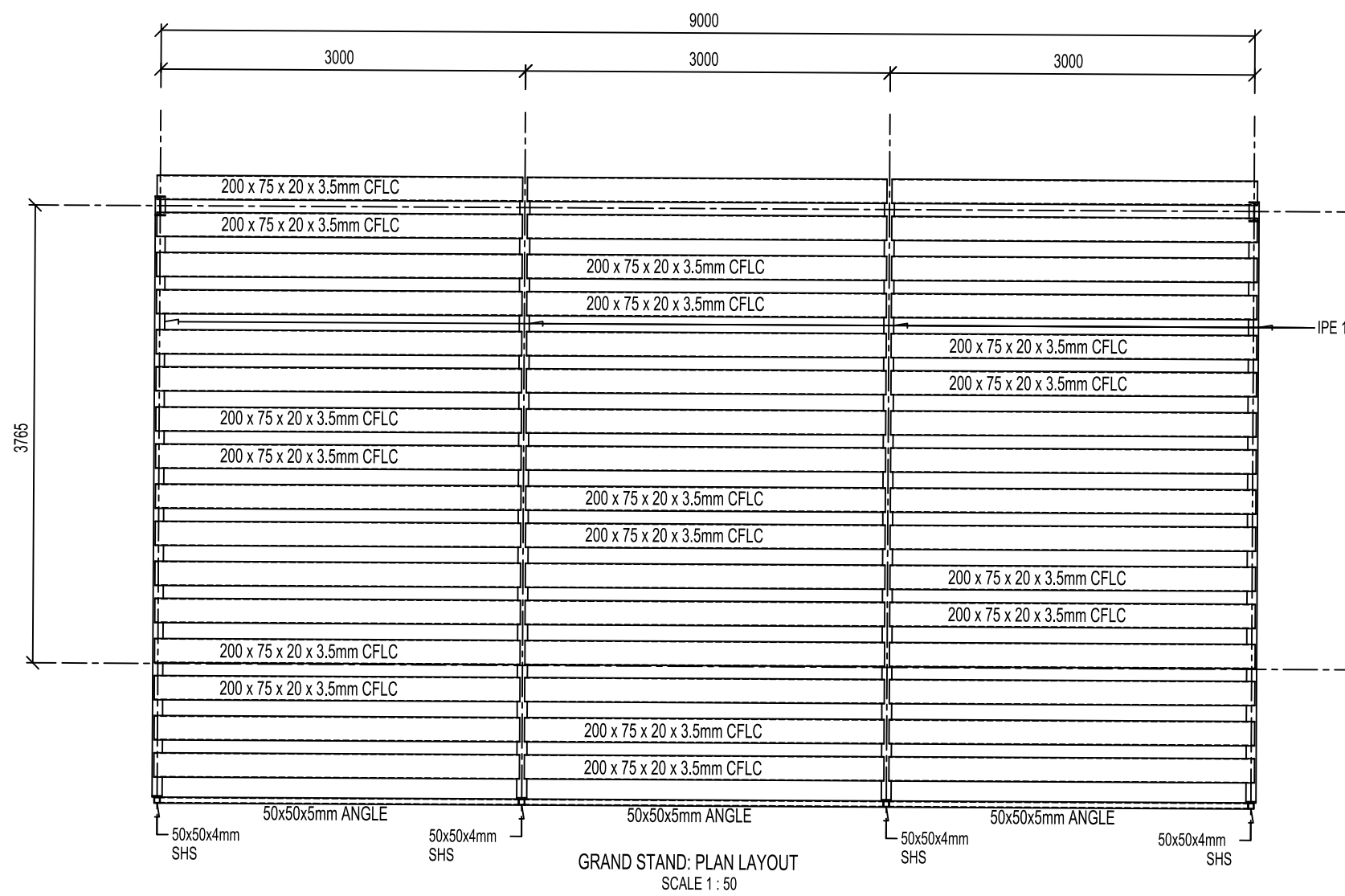
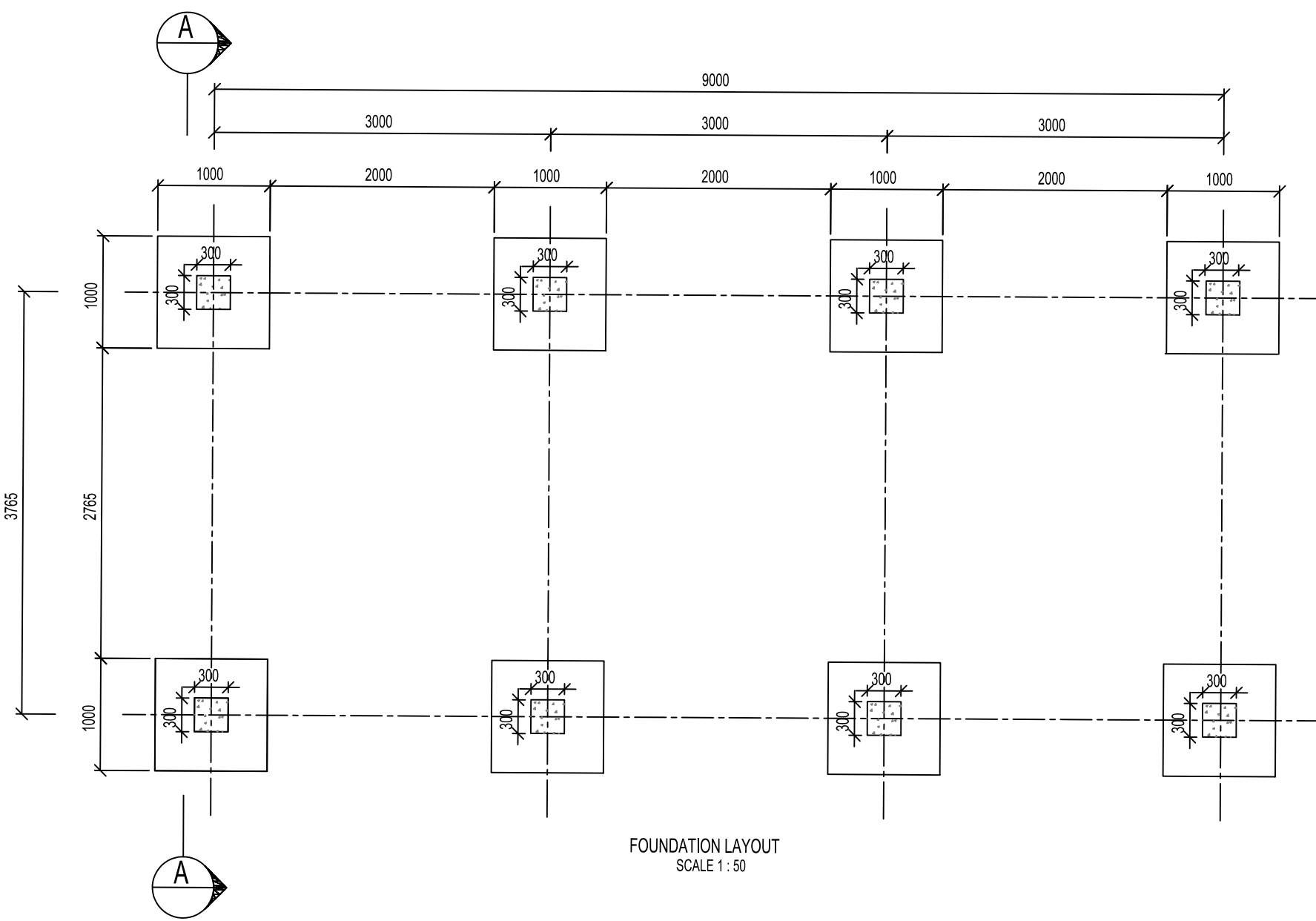
CONSULTANT'S SIGNATURE	DATE
Pr No.	
CLIENT'S SIGNATURE	DATE

PROJECT TITLE
CONSTRUCTION OF XOLANI VEZI
SPORT FIELD

DRAWING TITLE
MAIN SOCCER PITCH DETAILS

SCALE : NTS	
DRAWING No.	UBLM/21-XV-A004-01
REV.	0

FOR TENDER ONLY



GRAND STAND ELEVATION : SECTION A-A
SCALE 1:25

DETAIL 1: SECTION
SCALE 1:10

DETAIL 3: ELEVATION
SCALE 1:10

DETAIL 2: SECTION B2-B2
SCALE 1:10

DESCRIPTION	QUANTITY	WIDTH (mm)
SEATS	122	500
aisle walkways	2	1000

THE COPYRIGHT IN THIS DRAWING, INCLUDING THE DESIGN AND DETAILS SHOWN HEREON, IS RESERVED BY THE ENGINEER

General Notes/Legend

NOTES

1. GALVANISED M12 BOLT WITH NUT AND 2 WASHES
2. SUPPORTS TO BE CRESOTED POLES WITH MINIMUM DIAMETER OF 125mm
- NOTES 2:
1. ALL DIMENSIONS AND LEVELS TO BE CHECKED IN SITE BEFORE ANY CONSTRUCTION COMMENCE. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER.
2. DRAWINGS NOT TO BE SCALED.
3. ALL STEEL TO BE HOT DIPPED GALVANISED.
4. NO WELDING TO BE DONE ON SITE.
5. THE CONTRACTOR TO SUPPLY WORKSHOP DRAWINGS A WEEK PRIOR TO CONSTRUCTION FOR APPROVAL.
6. ALL CONCRETE TO BE 25MPa/19MM

LEGEND

0	S.M	06/22	FOR TENDER
0	S.M	11/21	PRELIMINARY DESIGN
Rev.	By	Date	Revision Details
DESIGNED	S.MBAMBO	NOV 2021	
CHECKED	T. TAURIA	NOV 2021	
DRAWN	S.MBAMBO	NOV 2021	
CHECKED	S.ZEKEVU	NOV 2021	



CLIENT APPROVED DATE

BUCHULE ENGINEERS
ENGINEERING & CONSULTANCY SERVICES
29 CLARABEL ROAD
WINDERMERE
DURBAN
4001
TEL: (031) 331 0478
FAX: (086) 618 9069
EMAIL: info@buchule.co.za
WEB: www.buchule.co.za

CONSULTANTS SIGNATURE	DATE
Pr No.	
CLIENTS SIGNATURE	DATE
.....	

PROJECT TITLE
CONSTRUCTION OF XOLANI VEZI
SPORT FIELD

DRAWING TITLE
SPORTFIELD - STRUCTURAL
STEEL GRAND STAND
LAYOUT AND DETAILS

SCALE : NTS

DRAWING No. UBLM/21-XV-A005 REV. 0

FOR TENDER ONLY

General Notes/Legend

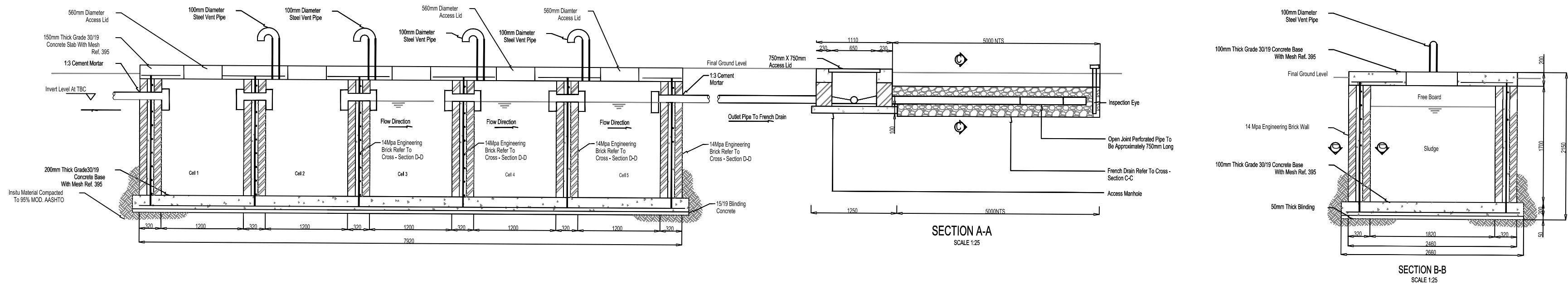
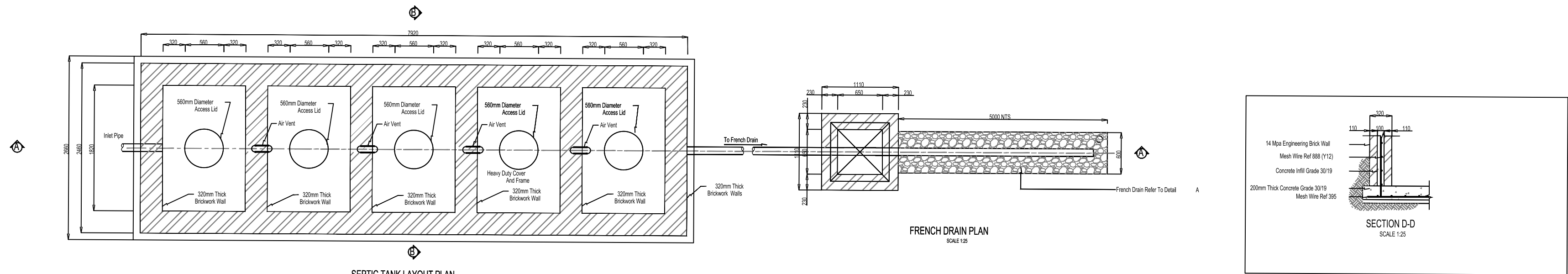
NOTES

1. GALVANISED M12 BOLT WITH NUT AND 2 WASHES
2. SUPPORTS TO BE CREOSOTED POLES WITH MINIMUM DIAMETER OF 125mm

NOTES 2:

1. ALL DIMENSIONS AND LEVELS TO BE CHECKED IN SITE BEFORE ANY CONSTRUCTION COMMENCE. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER.
2. DRAWINGS NOT TO BE SCALED.
3. ALL STEEL TO BE HOT DIPPED GALVANISED.
4. NO WELDING TO BE DONE ON SITE.
5. THE CONTRACTOR TO SUPPLY WORKSHOP DRAWINGS A WEEK PRIOR TO CONSTRUCTION FOR APPROVAL.
6. ALL CONCRETE TO BE 25MPa/19MM

LEGEND



0 S.M 06/22 FOR TENDER

Rev.	By	Date	Revision Details
DESIGNED	S.MBAMBO	NOV 2021	
CHECKED	T. TAURIA	NOV 2021	
DRAWN	S.MBAMBO	NOV 2021	
CHECKED	S.ZEKEVU	NOV 2021	

CLIENT



CLIENT APPROVED _____ DATE _____

 **BUCHULE ENGINEERS**
DEVELOPMENT & CONSULTING ENGINEERS
29 CLARABEL ROAD
WINDERMERE
DURBAN
4001
TEL: (031) 331 0478
FAX: (086) 618 9069
EMAIL: info@buchule.co.za
WEB: www.buchule.co.za

CONSULTANTS SIGNATURE _____	DATE _____
Pr No. _____	
CLIENTS SIGNATURE _____	DATE _____

PROJECT TITLE

CONSTRUCTION OF XOLANI VEZI
SPORT FIELD

DRAWING TITLE

SEPTIC TANK

SCALE : NTS

DRAWING No. UBLM/21-XV-A006 REV. 0