KGOLAKALELEME SECONDARY SCHOOL Latitude: -23°36'51.82" Longitude: 30°0'44.33"
Regolakaleleme High School
KGOLAKALELEME SECONDARY SCHOOL

					Norms and	d standards for Se	condary School (ANNEXURE G)					
ENROLMENT RANGE	ENROLMENT RANGE PER GENDER	GIRLS TOILETS	GIRLS BASINS	BOYS TOILETS	BOYS URINALS	BOYS BASINS	UNISEX DISABLED TOILETS & BASINS	FEMALE STAFF TOILETS	FEMALE STAFF BASINS	MALE STAFF TOILET	MALE STAFF URINALS	MALE STAFF BASINS	TOTAL TOILETS
800 - 1000	401 - 501	18	8	8	9	4	4	4	2	2	5	1	36

1						
	NEW B	UILDING				
	Name	Area m²				
	FD8	47.94				
	F10	48.55				
	SD4	31.41				
	SD2	31.90				
	MD4	40.70				
	M4	31.41				
	TOTAL M	2 004 04				

AREA

1.7 ha

42m²

508.1m²

231.91m²

Z-Coord

0.00m 2

Total building area 782.01m²

SCHEDULE INDICATING DEMOLITION AREAS

1 Existing 15 pit toilet, female learners

BENCHMARKS

BM A1 | 100 688.59 | +2 612 085.14 | 820.00 BM B1 +100 709.35 +2 612 058.46 819.79

2 Existing 12 pit toilet, male learners.

Name Y-Coord X-Coord

NEW BUILDING							
Area m²							
47.94							
48.55							
31.41							
31.90							
40.70							
31.41							
² 231.91							
	Area m² 47.94 48.55 31.41 31.90 40.70 31.41						

	Norms and standards for Secondary School (ANNEXURE G)												
ENROLMENT RANGE	ENROLMENT RANGE PER GENDER	GIRLS TOILETS	GIRLS BASINS	BOYS TOILETS	BOYS URINALS	BOYS BASINS	UNISEX DISABLED TOILETS & BASINS	FEMALE STAFF TOILETS	FEMALE STAFF BASINS	MALE STAFF TOILET	MALE STAFF URINALS	MALE STAFF BASINS	TOTAL TOILETS
800 - 1000	401 - 501	18	8	8	9	4	4	4	2	2	5	1	36
EW BUILDIN						15 bear 15 bea	, b	800					
me Area m					A POPO O			00					

Key:	
	Drinking fountain
	New water pipes
	RWHT - Rain water harvesting tank
	Existing tree(s)
	Elevated water tank

Existing building

New building

New walkway

 All pit lining / foundation brickwork to be solid NFP clay brick.
 All internal surface of pit lining to be painted with two coats black expoxy paint installing Enviro—Loo units. All external walls / partitions to be of clay face brick to SABS quality.
 All cubicle partition walls to be 3 courses above door height. Existing paved walkway or Apron slab 3. All brickwork above door openings should have brickforce on every course at least 3

be used above all window openings.

ROOF SHEETING 1. 0.6mm kliplock chromadek roof sheeting.

4. All concrete aprons to be 1000mm wide..

Mixed proportions to be: 1 cement : 3 sand (i.e.1 bag cement : 3 wheelbarrows (37 litres) sand)

NOTES AND SPECIFICATIONS:

5. All pits to face North.

COMPACTION OF SURFACES

BRICKWORK Sub-structure

ROOF TIMBER / CEILING 1. All roof timbers to be machined SABS treated wood with three coats of approved wood preservative.
2. Timber connections (Hurricane Clips) are required all intercessions between timber

4. Air bricks: Standard 230X152mm terra—colts vermin proofed lourved air grating to

All work to comply with SANS, PW371 and SABS.
 All dimensions, levels and positions to be verified on site prior to construction.
 All concrete work to be as per Engineer's details and specifications.

5. All brickwork have brickforce at every 2nd course in pit lining and 3rd course in

All ground surfaces receiving concrete floors / slab should be compacted to 150mm layers 93% ModAASHTO density before casting concrete.

2. All pit lining to be inspected by EnviroLoo Services before slab casting.

All concrete to be as per Engineer's details and specifications.
 2. 25 MPa strength concrete to be used throughout construction:

Concrete Strenght at 28 Days 25Mpa: 1: 2: 2 (mix proportion by volume) 1 bag cement: 0.08m3 Sand: 0.09m3 Stone (Volume/Bag) 385 kg cement: 820 kg sand: 960 kg stone (Mass/m3)

3. Pre-cast concrete lintols to be used as support under top slab of pit.

1. All stages of pit excavation to be inspected and approved by Engineer and signed off

3. Sisalation is to be applied interval under all roof surfaces.

1. All metalwork should be primed before installation. 2. All steel window should have 6x20mm flat bar burglar proofing.

All wash troughs should be connected to the school's water supply system and the waste water should be piped to a soakaway.
 The soakaway should be as per Engineer's detail and position to be determined on site.

Only 20mm and galvanised pipework should be used as connection from wall to the discharge points.

1. 6.28mm obscure safety glass 2. Stainless steel mirrors size 350x450mm high.

1. All paintwork to comply with SABS and PW371 specification.

2. All steel window and door frames including doors and fascia / barge boards to be

ENROLLMENT Male Female TOTAL **LEARNERS** 352 391 743 **EDUCATORS** 23 12 11 SUPPORT STAFF 2 4

ABLUTION QUANTITIES

- 1						
			Req.	Existing	New	TOTAI
	Female	Toilets	18	0	18	18
	Learners	Basins	8	0	6	6
		Toilets	8	0	8	8
	Male Learners	Urinals	9	0	9	9
		Basins	3	0	3	3
	Unisex	Toilets	0	0	0	0
	Grade R	Basins	0	0	0	0
	Unsex Dis	abled	4	0	4	4
	Female	Toilets	4	2	4	6
	Educators	Basins	2	0	2	2
		Toilets	2	2	2	4
	Male Educators	Urinals	5	0	5	5
		Basins	1	0	1	1

COORDINATES OF NEW BUILDINGS

Y-Coord

a | 100 805.85 | +2 612 435.18

c | 100 801.45 | +2 612 584.41 d 100 805.85 +2 612 584.41 e 100 816.35 +2 612 435.18 100 808.23 +2 612 435.18 100 808.23 +2 612 584.41

100 816.35 +2 612 584.41 100 821.05 +2 612 435.18

100 822.20 +2 612 435.18 100 822.20 +2 612 584.41

m | 100 821.05 | +2 612 584.41

n | 100 805.85 | +2 612 415.55

p | 100 801.95 | +2 612 415.55

q | 100 801.95 | +2 612 417.55

s | 100 818.75 | +2 612 415.55

100 805.85 +2 612 417.55

100 808.23 +2 612 415.55

100 808.23 +2 612 417.55

v | 100 818.75 | +2 612 417.55 w 100 865.15 +2 612 415.55

x | 100 821.05 | +2 612 415.55 y 100 821.05 +2 612 417.55

z 100 865.15 +2 612 417.55

X-Coord

MAXIMUM ENROLMENT FOR HIGH SCHOOL=1001, TOTAL FOR KGOLAKALELEME HIGH SCHOOL = 743 TOTAL ABLUTION SEATS PROVIDED= 40 INCLUDING THE EXISTING SANITATION. b | 100 801.45 | +2 612 435.18 | ADEQUATE SANITATION.

FUTURE ABLUTION BLOCKS

AREA SCHEDULE

DESCRIPTION

Existing classroom blocks

Existing ablution blocks

New ablution blocks

Future ablution blocks

Site area

ABLUTION SEATS REQUIRED = 34 AND CURRENT ENROLMENT THEREFORE NO FUTURE ABLUTIONS REQUIRED SCHOOL HAS

CONSULTANTS



	SIGNATURE	DATE	A1
DESIGNED	MR FANIKIE MASHABANE	14-01-2020	SCALE
DRAWN	MR FANIKIE MASHABANE	14-01-2020	
VERIFIED	MR ANSELMO MUNGUAMBE	15-01-2020	STATUS LEGEND
VALIDATED	MR ANSELMO MUNGUAMBE	15-01-2020	T =TENDER C = CONSTRUCTION AB= AS BUILT
	-		

IMPLEMENTED BY



THE MVULA TRUST
9A LANDROS MARE STREET
POLOKWANE

0699 TEL: 015 291 2405 FAX: 015 291 1270 **SPONSOR**



DEPARTMENT OF **EDUCATION**

PROJECT NUMBER

TMT-LPDE-2019/20- LPCL14C

LDPE 2019/20 SCHOOL WATER AND SANITATION PROGRAMME KGOLAKALELEME SECONDARY SCHOOL

PROVINCE: LIMPOPO

DRAWING TITLE

SITE DEVELOPMENT PLAN FOR KGOLAKALELEME SECONDARY SCHOOL

EMIS NUMBER	DISCIPLINE	DRAWING No.	STATUS	REVISION
0901340449	CIVIL ENGINEERING	SDP	I	0



