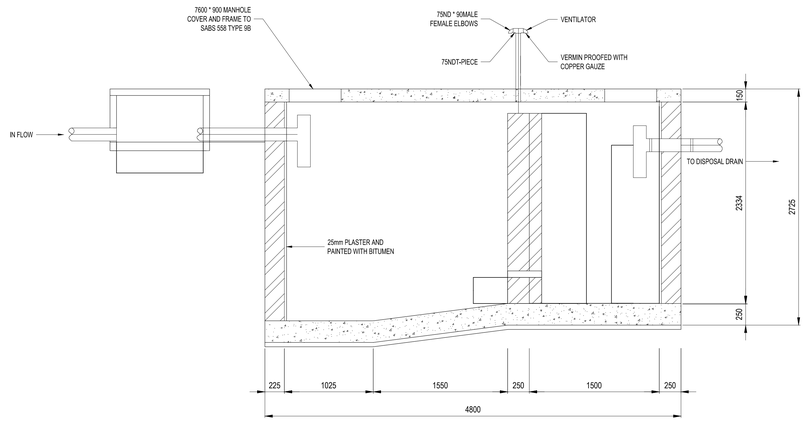
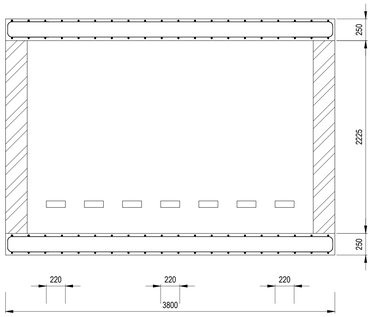


SECTION A-A
SCALE 1:25

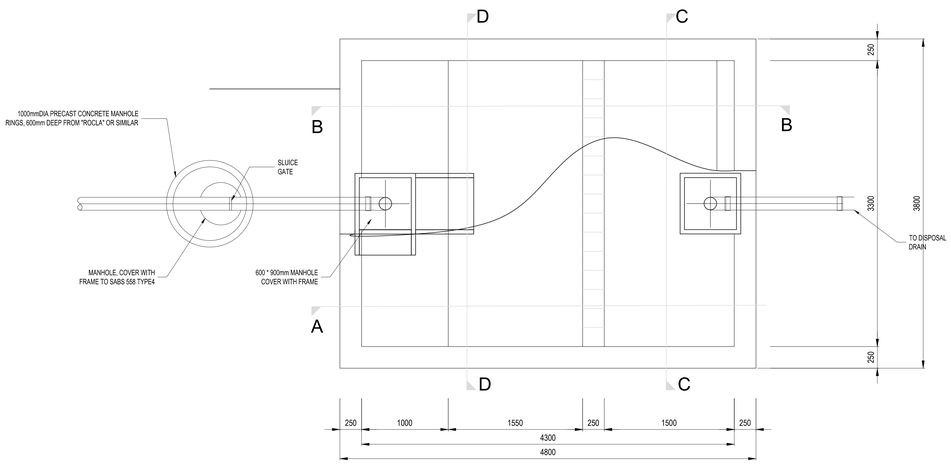


SECTION D-D
SCALE 1:25

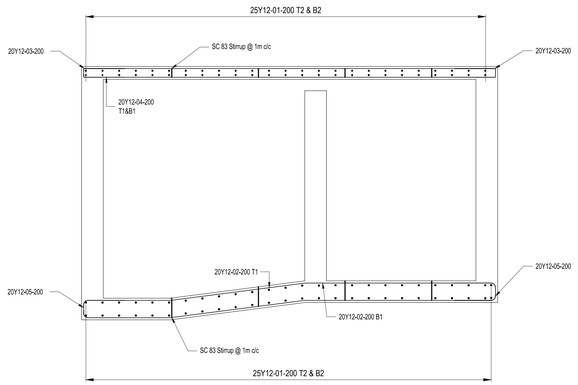
NOTES:

SCHEDULE OF MATERIAL & FITTING

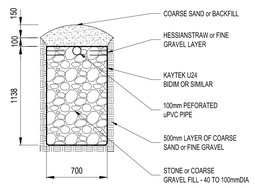
A. 3mm THICK PVC SLUICE GATES
B. GUIDES MADE OF uPVC STRIPS 2-40 * 3mm 1-22 * 5mm
C 600 * 900 M/D CAST IRON MANHOLE COVER AND FRAME - TO SABS 558 TYPE 9B
D. BENCHING
E. 110mm DIA PREFORATED uPVC PIPE TO FALL AT 1:136.
F. 45 DEG * 110mm DIA uPVC PIPE ELBOW WITH INSPECTION EYE
G. 110mm DIA uPVC PIPE
H. 110mm DIA uPVC T-PIECE
I. 110mm DIA UPVC PIPE
J. 110mm DIA UPVC PIPE
K. 90 DEG * 110mm DIA uPVC PIPE BEND WITH INSPECTION EYE
L. 60 DEG * 110mm DIA uPVC ACCESS JUNTION
M. ALL SEWER LINES TO FALL AT 1:60.
N. CONCRETE COVER TO BE 50mm.



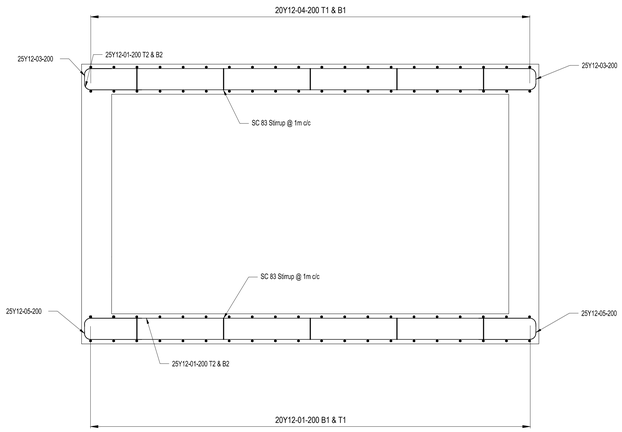
SEPTIC TANK: PLAN
SCALE 1:25



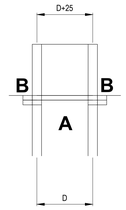
SECTION B-B
SCALE 1:25



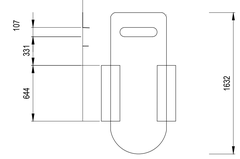
TYPICA DISPOSAL DRAIN CROSS SECTION
SCALE 1:25



SECTION C-C
SCALE 1:25

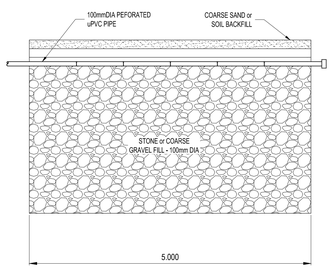


PLAN



ELEVATION

SLUICE GATE



TYPICAL DISPOSAL DRAIN LONGITUDINAL SECTION
SCALE 1:25

GENERAL NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWING.

ALL DIMENSIONS, LEVELS, ETC ARE TO BE CHECKED BEFORE ANY WORK IS COMMENCED AND ANY DICREPANCIES NOTED TO BE BROUGHT TO THE ARCHITECT'S ATTENTION.

ONLY FIGURED DIMENSIONS TO BE USED, SCALING OF DRAWINGS IS NOT ADVISABLE.

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GEOTECH INFORMATION

SOIL TYPE: CLAYEY SILT; RESIDUAL ANDESTE
ASSUMED SOIL BEARING CAPACITY: EASBP = 150 kPa
RECOMMENDED FOUNDATION TYPE: CONCRETE RAFT
RECOMMENDED FOUNDATION DEPTH: 600MM

REV. NO.	DATE	DESCRIPTION

DBSA APPROVAL
NAME:.....
SIGNATURE:.....DATE:.....

DBSA APPROVAL
NAME:.....
SIGNATURE:.....DATE:.....

DEPARTMENT OF EDUCATION APPROVAL
NAME:.....
SIGNATURE:.....DATE:.....

DEPARTMENT OF EDUCATION APPROVAL
NAME:.....
SIGNATURE:.....DATE:.....

DEPARTMENT OF EDUCATION APPROVAL
NAME:.....
SIGNATURE:.....DATE:.....

MUNICIPAL APPROVAL
NAME:.....
SIGNATURE:.....DATE:.....

CLIENT
DBSA

PRINCIPAL AGENT
KUMA CONSULTING ENGINEERS (NW) (PTY) LTD

COMPETENT CONTACT PERSON:	CONT. No: 0126650614, 078 879 2332
KUDA NYABADZA	FIRM REG No: 2015/200682/07

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NORTH-WEST DEPARTMENT OF BASIC EDUCATION

DISCIPLINE
ARCHITECTURAL

PROJECT NAME
LETLAMORENG DAM RESORT

PROJECT STATUS

STAGE 1-3		STAGE 4		STAGE 5-6	
CONCEPT		TENDER	X	CONSTRUCTION	

DESCRIPTION
LETLAMORENG DAM: SEWER, SEPTIC TANK DETAILS

SCALE:

DRAWN:
CHECKED:

NAME OF COMPETENT PERSON:
Gabriel K Bushe
Stephen Tshuma

NAME OF COMPETENT PERSON:

REG No: PAT 34983284

SIGNATURE

SIGNATURE

PROJECT NUMBER

DATE:
03 November 2021

DWG No:
KUMA-LTL-SEW-DET-02

OCCUPANCY CLASSIFICATION
A3

REV No: 0

SANS 10400 & XA COMPLIANCE

	Rational Des.		Standard Cal	
CONDUTANCE	Y	N	Y	N
SOLAR HEAT GAIN	Y	N	Y	N
GEOGRAPHICAL ZONE				

NBRs COMPLIANCE

	Yes	No
SITE PLAN	X	
OTHER DRAWINGS	X	

OTHER APPROVALS

	Mark with X Yes	No	N/A
Enviromental Impact Assesment (EIA)		X	
South African Heritage Resources Agency (SAHRA)		X	
Department of Water and Sanitation (DWS)		X	
South African National Roads Agency (SANRAL)		X	
Other			

WATER SUPPLIER

	Yes	No	
MUNICIPALITY		X	MARULENG
BOREHOLE	X		WATER USE LISENCE
PRESSURE			BARS
TANKS	Number Total Capacity		LITERS
OTHER STORE	Yes	No	Specify below

SANITATION/ SEWER

	Yes	No	
MUNICIPALITY		X	MARULENG
SEPTIC TANKS	X		CAPACITY M3
PIT LATRINES			Yes X No
OTHER	Yes	No	SPECIFY:

SITE INFORMATION

ERF No.	
COVERAGE	***
VILLAGE NAME	HOEDSPRUIT
DISTRICT	MOPANI
COORDINATES	26°18'26.7" S
	25°08'11.9 "E

STAGES

SIPDM	SACAP	Mark with X
0		
1		
2		
3	1	X
4	2	
5	3	
6	4	
7	5	
8		
9	6	

PROJECT TEAM

	COMPETENT CONTACT PERSON	CONTACT No.	REGISTRATION No.	COMPANY NAME
ARCHITECT	GABRIEL K BUSHE	071 059 1714	PAT 34983284	KUMA CONSULTING
Q. SURVEYOR	SIYABULELA LIWANI	078 662 6830	SACQSP 3285	KUMA CONSULTING
STRUCT. ENG	KUDA NYABADZA	078 879 2332	ECSA 201770127	KUMA CONSULTING
CIVIL ENG	BUSISO NYONI	073 470 8728	ECSA	KUMA CONSULTING
MECH. ENG	MICHAEL TSAHA	071 896 4674	ECSA 20140130	KUMA CONSULTING
ELECT. ENG	MICHAEL TSAHA	071 896 4674	ECSA 20140130	KUMA CONSULTING
OHS	RANGARIRAI MUSWERE	083 733 7689	SACPCMP CHSA/ 192/2020	KUMA CONSULTING
CONTRACTOR				