



GATE HOUSE POTABLE WATER PIPE SCHEDULE		
STEEL PIPES TO BE HOT DIP GALVANISED & COPON COATED. FLANGES TO BE T1600/3 UNLESS STATED OTHERWISE		
ITEM	QTY	DESCRIPTION
1		63mm HDPE PE100 PN12.5 PIPE
2	4	COMPRESSION FLANGE ADAPTOR
3	1	DN65 GATE VALVE, FLANGE, PN16
4	1	DN65-DN80 REDUCER, FLANGED BONTN ENDS
5	2	DN80 90° BEND, FLANGED BOTH ENDS
6	1	DN80 STEEL PIPE, FLANGED ONE END L=150
7	2	DN80 FLOAT VALVE, FLANGE, PN16
8	1	DN150 90° BEND, FLANGED BOTH ENDS
9	3	DN150 STEEL PIPE, FLANGED BOTH ENDS L=850
10	1	DN65 STEEL PIPE, FLANGED ONE END L=150
11	1	DN65 90° BEND, FLANGED BOTH ENDS
12	2	DN65 90° BEND, FLANGED BOTH ENDS
13	1	DN60 STEEL PIPE, FLANGED ONE END L=680
14	2	DN150 STEEL PIPE, FLANGED ONE END L=150
15	1	DN150 STEEL PIPE, FLANGED BOTH ENDS L=550
16	1	DN150 GATE VALVE HANDWHEEL, FLANGE, PN16
17	2	DN65 NON-RETURN VALV, FLANGE, PN16
18	1	DOMESTIC WATER PUMP, AS PER MECHANICAL ENGINEER SPECIFICATION

LEGEND - WATER	
	63mm HDPE PE100 PN12.5 WATER PIPE
	ISOLATION VALVE
	ISOLATION VALVE (HANDWHEEL)
	NON-RETURN VALVE
	DOMESTIC WATER PUMP
	FIRE WATER PIPE
SECTIONAL TANK TO BE SUPPLIED WITH ROOF ACCESS MANHOLE LOCKABLE HINGED LID ACCESS LADDER LEVEL INDICATOR EQUILIBRIUM FLOAT VALVE & ALL NECESSARY PIPES INCLUDING FITTINGS FOR FUNCTIONAL TANK.	

**STEEL PIPEWORK**  
ALL PIPEWORK TO BE FLANGED AND GALVANISED AS INDICATED.  
PIPE LENGTH ARE APPROXIMATE.  
ALL PIPEWORK TO BE MEASURED ON SITE FOR EXACT LENGTHS.

**SECTIONAL STEEL TANK**  
SHOP DRAWINGS TO BE ISSUED TO THE ENGINEER FOR APPROVAL BEFORE ORDERING AND MANUFACTURING THEREOF.

**REBAR ALLOWANCE**  
200mm RC SLAB = 80 kg/m<sup>3</sup>  
200mm RC PLINTH = 100 kg/m<sup>3</sup>

GENERATOR BUILDING POTABLE WATER TANK PIPE SCHEDULE		
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- NOTES:
- THIS DRAWING IS BASED ON THE LO-21 WGS84 COORDINATE SYSTEM.
  - ALL SETTING OUT DATA MUST BE CONFIRMED WITH THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK AND ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER FOR VERIFICATION.
  - ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH SANS 1200.
  - ALL WORK SHALL BE TESTED AS PER THE REQUIREMENTS OF SANS 1200 OR AS PER THE APPROVED QMS.
  - THE CONTRACTOR IS TO REMAIN CLEAR OF - AND NO WORK TO BE DONE WITHIN - ENVIRONMENTALLY SENSITIVE AREAS WITHOUT PRIOR CONSENT FROM THE ECO.
  - TOPSOIL STRIPPING TO BE DONE TO A MINIMUM DEPTH OF 150mm AND ALL ORGANIC MATERIAL TO BE REMOVED. TOPSOIL IS TO BE BLADED INTO WINDROWS ON EITHER SIDE OUTSIDE OF THE CONSTRUCTION AREA.
  - ALL EXISTING STORMWATER AND ROAD INFRASTRUCTURE TO BE PRESERVED AND MAINTAINED DURING CONSTRUCTION.

C	2025-02-12	FOR TENDER
B	2024-12-12	FOR TENDER
A	2024-11-11	FOR TENDER
REV	DATE	DESCRIPTION

**EKCON**  
Consulting Engineers

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CLIENT  
**SOUTH AFRICAN NATIONAL  
SPACE AGENCY**

PROJECT TITLE  
**SANSA MATJIESFONTEIN**

DRAWING TITLE  
**GENERAL DETAILS  
Roads, Sewer, Water,  
Stormwater & Sleeves  
(SHEET 2 of 4)**

SCALE	SIZE	APPROVED
As Shown	A0	SHR BUCKLE
DESIGNED		
S. RAMCRAWA		ECSA PR ENG 2000006
CHECKED		
SHR BUCKLE		

DRAWING STATUS  
**FOR TENDER**

DRAWING NUMBER  
**P3589-C-TD-003**

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