

WATER LAYOUT
SCALE 1:1000

PRESSURE PIPE TABLE (HDPE PE100 PN12.5)			
PIPE NAME	LENGTH	DIAMETER	
P1	22.374	63mm	
P2	130.591	63mm	
P3	37.391	63mm	
P4	39.233	63mm	
P5	61.029	63mm	
P6	97.002	63mm	
P7	207.014	63mm	
P8	103.743	63mm	
P9	214.627	63mm	
P10	6.300	63mm	
P11	20.716	63mm	
P12	1.899	63mm	
P13	6.333	63mm	
P14	1.732	63mm	
P15	5.649	63mm	
P16	15.455	63mm	
P17	2.440	63mm	
P18	9.041	63mm	
P19	2.439	63mm	
P20	5.030	63mm	
P21	15.750	63mm	
P22	15.260	63mm	
P23	3.363	63mm	
P24	1.778	63mm	
P25	2.249	63mm	
P26	2.809	63mm	

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 DMS.
- 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.

WATER NOTES:

- ALL PIPES TO BE HDPE PE100 PN12.5 UNLESS OTHERWISE SPECIFIED.
- ALL FITTINGS TO BE CLASS 16 PRESSURE RATED.
- CONCRETE THRUST BLOCKS TO BE PROVIDED AT ALL BENDS AND TEES AS PER THE GENERAL DETAILS.
- ALL WATER PIPES TO BE INSTALLED 800-1000mm DEEP.
- ALL VALVES AND TEES MUST BE FLANGED, ALL OTHER BENDS CAN BE SOCKETED.
- ALL STAINLESS STEEL COUPLINGS MUST BE BITUMEN PASTE AND DENZO TAPED AFTER INSTALLATION AND FASTENING COATING TO STEEL COUPLINGS TO INCLUDE CARBOLINE 891, PLASCOAT, NYLON OR HELSON.
- VALVE ADAPTORS TO BE 'COPCON' COATED, BOLTED ONES TO BE FILLED WITH BITUMEN PASTE AND BITUMEN TAPED.
- ALL NUTS AND BOLTS TO BE BITUMEN PASTED (ALL S/S 316 BOLTS AND NUTS TO BE COVERED WITH NICKEL ANTI SEIZE PASTE), WRAPPED IN 3 LAYERS OF BITUMEN TAPE.
- NO GALVANIZED FITTINGS OR SPECIALS ALLOWED, ONLY CL PLASCOAT DUCTILE IRON OR S/S 316 ALLOWED. (ALL S/S THREADS TO BE TREATED WITH NICKEL ANTI SEIZE COMPOUND).
- NO 'VOSA' TYPE VALVES WILL BE ALLOWED. ALL VALVES MUST BE LH CLOSING AND FITTED WITH A SPINDLE CAPTOP FITTED WITH A S/S BOLT AND NUT.
- COVERS ON ALL VALVE CHAMBERS MUST BE WHITE, DUCTILE IRON COVERS TO BE PAINTED WITH AT LEAST TWO COATS OF ENAMEL PAINT, A CORRESPONDING 100mm STRIPE IS TO BE PAINTED ON THE KERB ADJACENT TO THE VALVE.
- USE S/S OR COPPER (CLASS 3) PIPE FOR ANY EXTENSION PIECE.
- USE ONLY STAINLESS STEEL BODY W/ W/ANT VENT-O-MAT, AIR OR BERMAD VACUUM AND AIR RELEASE VALVES.
- HOLES MUST BE PROVIDED IN THE AIR E COVERS TO PROVIDE AIR EXCHANGE.
- ALL FLANGES TO BE DRILLED TO BS 10 TABLE 'D'.

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

EKCON
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CLIENT



**SOUTH AFRICAN NATIONAL
SPACE AGENCY**

PROJECT TITLE

SANSA MATJIESFONTEIN

DRAWING TITLE

**WATER LAYOUT &
LONGITUDINAL SECTIONS:
(SHEET 1 OF 1)**

SCALE AS SHOWN	SIZE A0	APPROVED SHR BUCKLE
DESIGNED S. NDINISA		
CHECKED SHR BUCKLE		



DRAWING STATUS

FOR TENDER

DRAWING NUMBER P3589-C-W-001	REV B
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