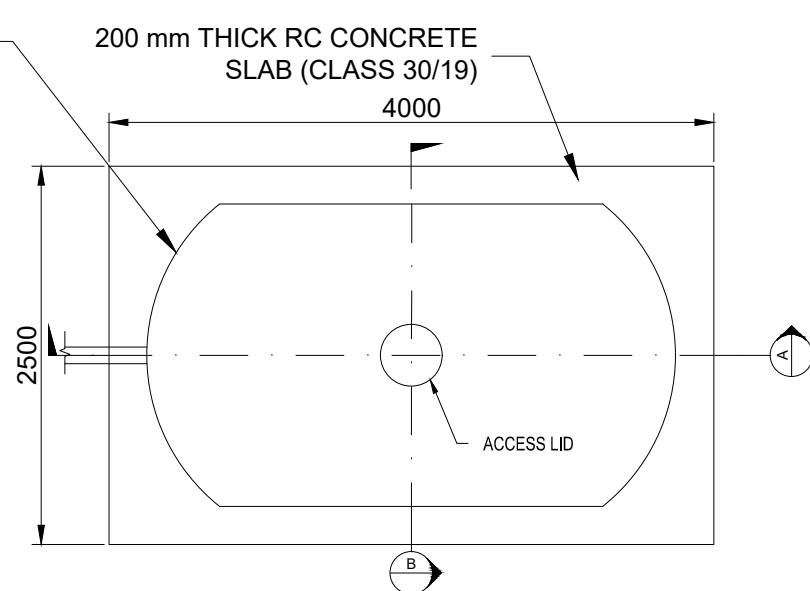
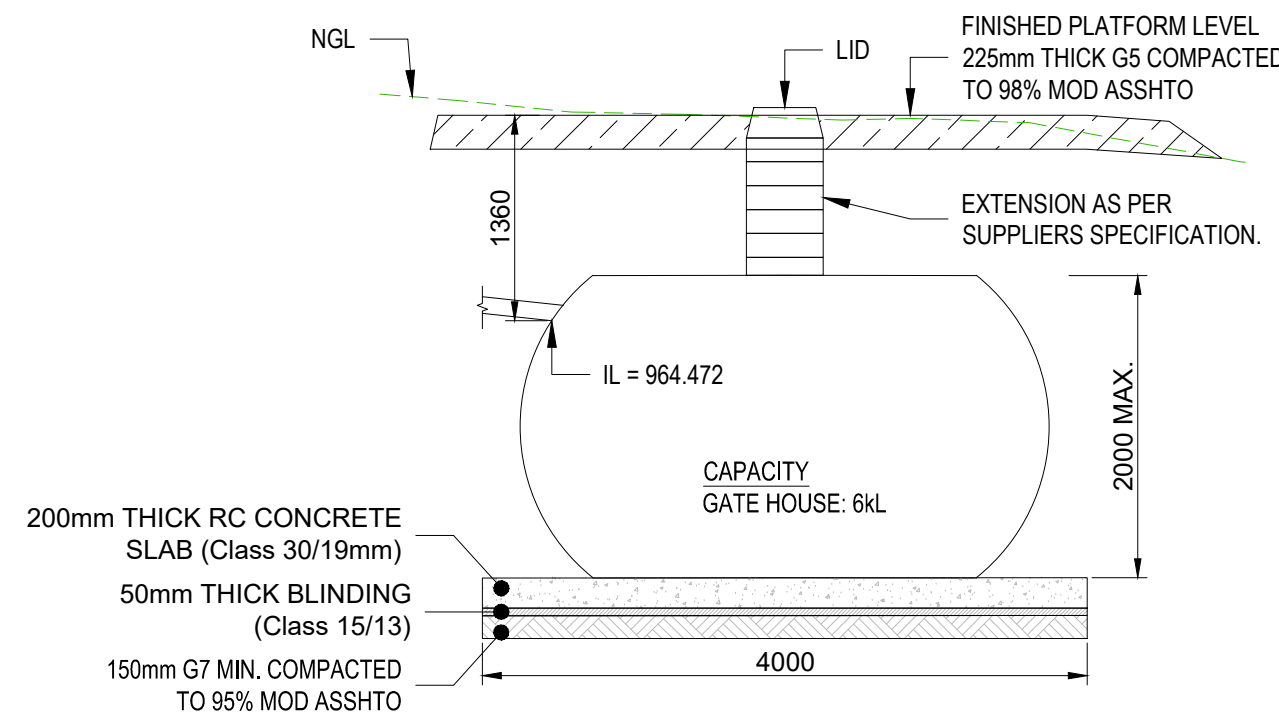


GATEHOUSE
SCALE 1:75

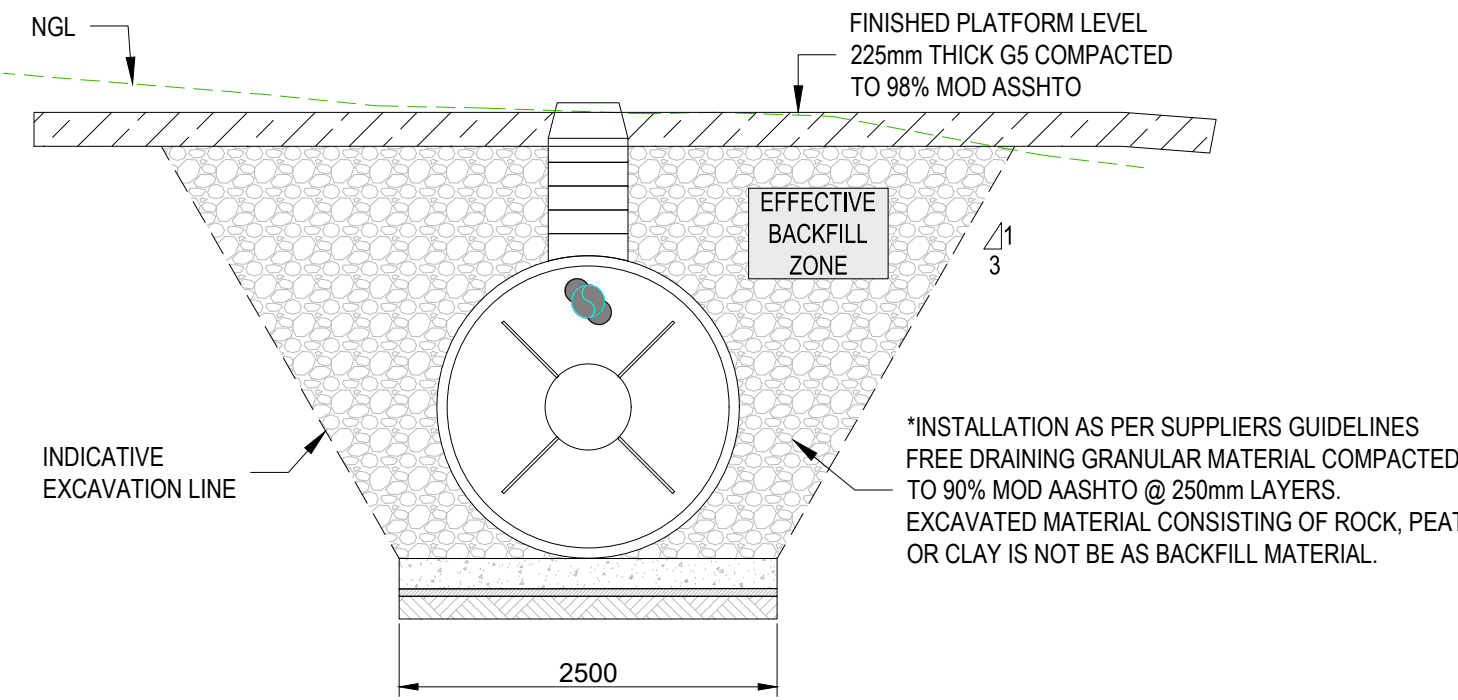
6kL CONSERVANCY TANK
TO BE APPROVED BY ENGINEER AND
INSTALLED AS PER MANUFACTURE'S
SPECIFICATION



PLAN VIEW:
6kL CONSERVANCY TANK LAYOUT
SCALE 1:50



TYPICAL SECTION A
SCALE 1:50



TYPICAL SECTION B
SCALE 1:50

NOTE:
FOR PIPE TRENCH DETAIL
REFER TO DRAWING
P3589-C-TD-002

SCALES:
Horizontal 1:200
Vertical 1:200

DATUM 940.000

PART REFERENCE	1	2	3
DISTANCE (m)	0.228	15.685	23.590
STRUCTURE COVER LEVEL	777	777	777
PIPE INVERT LEVEL	946.623	946.580	946.472
STRUCTURE DEPTH	0.833	1.004	2.157
SLOPE / LENGTH	1.33% 1:75 15.34m	1.35% 1:74 8.01m	

SEWER - GATEHOUSE LONGSECTION
0.000 TO 24.713

SEWER - GATEHOUSE FOUL SEWER SETTING OUT:					
STRUCTURE NAME	Y	X	MH COVER	MH IL MH DEPTH	PIPE IL
MH 1 (225mm Dia Manhole)	41 085.877	3 479 025.190	947.284	946.580 0.004	R 80 946.619 (P1) R 400 946.580 (P2)
R61 (600mm Dia)	41 087.341	3 479 026.190	947.453	946.453 0.003	R 400 946.453 (P1) R 80 946.472 (P2)
Tank 1 (Conservancy Tank)	41 087.164	3 479 027.027	946.829	946.453 2.157	R 80 946.472 (P2)

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 OMS.
- 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.

SEWER NOTES:

- BEFORE ANY TRENCH EXCAVATION IS STARTED THE CONTRACTOR MUST CHECK AND CONFIRM THE POSITION AND INVERT LEVEL OF THE EXISTING SERVICES WITH THE EMPLOYER'S AGENT.
- ALL PIPE TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH THE REQUIREMENTS OF SANS 1200 AND COMPACTED TO A MINIMUM DENSITY OF 98% MOD. AASHTO.
- ALL SERVICES SHALL BE LAID ON BEDDING CLASS C.
- ALL PIPE TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH THE REQUIREMENTS OF SANS 1200 AND COMPACTED TO A MINIMUM DENSITY OF 98% MOD. AASHTO.
- ALL MANHOLE AND CATCHPIIT COVER LEVELS ARE GIVEN AS APPROXIMATE VALUES (CL - # # #). FINAL FINISHED COVER LEVELS FOR MANHOLES TO BE FLUSH WITH THE FINISHED ROAD SURFACE WHEN MANHOLE IS SITUATED IN ROADS OR PARKING AREAS. OTHERWISE, 50mm ABOVE THE FINISHED GROUND LEVEL IF SITUATED IN LANDSCAPED OR OPEN AREAS, UNLESS OTHERWISE SPECIFIED OR INSTRUCTED.
- ALL UNDERGROUND BURIED UPVC SEWER PIPES SHALL COMPLY WITH SANS 1001 - TYPE WITH A HOOP STIFFNESS OF 400 kPa AND SMOOTH INNER AND OUTER WALLS, COMPLETE WITH INTERNAL SOCKETS, JOINTS AND RUBBER SEAL RINGS.
- ALL ANY FOUL SEWER SHALL LOWER THAN 400mm BELOW FRL TO BE CAST IN CONCRETE 150mm ALL ROUND.
- ALL UNDERGROUND BURIED UPVC SEWER FITTINGS SHALL COMPLY WITH SANS 101 WITH SMOOTH INNER AND OUTER WALLS.
- WHERE A NEW SEWER CONNECTION IS MADE ON THE MUNICIPAL MAIN SEWER LINE, THE NEW INCOMING SEWER PIPE SHALL TIE IN ABOVE THE EXISTING SEWER BENCHING.
- ALL MANHOLES TO BE AS PER THE STANDARD DETAIL.

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

CLIENT

**SOUTH AFRICAN NATIONAL
SPACE AGENCY**

PROJECT TITLE

SANSA MATJIESFONTEIN

DRAWING TITLE

**SEWER LAYOUT &
LONGITUDINAL SECTIONS:
GATE HOUSE
(SHEET 1 OF 1)**

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

DRAWING STATUS

FOR TENDER

DRAWING NUMBER

P3589-C-FS-001

REV

B

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