



LOCALITY PLAN.
SCALE 1:2000

ISOTAINER BUND CAPACITY:
REQUIRED CAPACITY:
• 35 000L + 10% = 38 500L = 38,5m³
• BUND WALL HEIGHT: 0,40m
• ISOTAINER VOLUME INSIDE BUND AREA:
6,0m X 2,4m X 14,4m X 0,40m (BUND WALL HEIGHT)
= 5,76m³
• TOTAL BUNDED AREA:
17,8m X 15,609m X 0,4m = 109,263m³
• TOTAL BUNDED AREA minus 7x ISOTAINER
VOLUMES INSIDE BUNDED AREA:
= 109,263m³ - 40,32m³
= 68,943m³ = 68 943L

- IMPORTANT NOTE:**
THIS DRAWING DOES NOT CONSTITUTE ANY BUILDING DRAWINGS, AND BUILDINGS TO BE ACCORDING TO ENGINEER'S SPECIFICATIONS AND ARCHITECTS DRAWINGS.
THIS DRAWING TO ILLUSTRATE THE UNCOVERED OUTDOOR STORAGE AREA, THE RELEVANT SAFETY DISTANCES AND FIRE PROTECTION REQUIREMENTS.

NOTES ON THE UNCOVERED OUTDOOR STORAGE AREA:

- NO GOODS SHALL BE STORED UNTIL A PERMIT IS ISSUED BY THE RELEVANT AUTHORITIES.
- THE UNCOVERED OUTDOOR STORAGE AREA TO COMPLY WITH SANS 10263-0 AT ALL TIMES.
- THE STORAGE AREA MUST BE SUITABLE FOR ITS INTENDED PURPOSE.
- A COMPETENT, TRAINED STORAGE AREA CONTROLLER TO BE ON SITE, WITH ACCESS AND KNOWLEDGE OF:
 - THE DETAILS OF THE GOODS STORED.
 - MATERIAL SAFETY DATA SHEETS.
 - RECOMMENDATIONS FOR SAFE HANDLING.
 - INSTRUCTIONS TO BE FOLLOWED IN THE EVENT OF A SPILL OR LEAK.
 - FIRST AID INSTRUCTIONS.
 - 24-hr CONTACT DETAILS OF SPECIALIST ADVICE.
- A SAFETY, FIRE PROTECTION AND EMERGENCY ARRANGEMENT PLAN IS IN PLACE.
- THE SURFACE OF THE STORAGE AREA TO BE IMPERVIUS, AS INDICATED.
- THE DRAIN VALVE TO BE IN THE NORMALLY CLOSED POSITION AT ALL TIMES.
- NO ELECTRICAL EQUIPMENT IN A RADIUS OF 5m AROUND STORAGE AREA, UNLESS IT COMPLIES WITH SANS 10108.
- FIRE FIGHTING EQUIPMENT TO BE INSPECTED AND PLACED IN THE INDICATED AREAS.
- NO COMBUSTIBLE MATERIAL TO BE STORED IN A RADIUS OF 3m AROUND THE STORAGE AREA.
- ONLY PRODUCTS INTENDED TO BE STORED INSIDE THE STORAGE AREA TO BE STORED IN THE UNCOVERED OUTDOOR AREA.



ISSUED FOR INFORMATION



PHYSICAL ADDRESS:
SHIELD
STAND 266 & 265,
APEX EXT. A.

PROJECT DESCRIPTION:
PROPOSED NEW PLANT FOR SHIELD:

1. COVERED STORAGE AREA- TOTAL QTY. 40 000L.
2. 8x 35 000L ISOTAINERS- TOTAL QTY. 280 000L.

- SITE PLAN.

NAME	REV.	DESCRIPTION	DATE
AN	A	DRAFT	13/12/2021
AN	B	REVISION	07/03/2022
AN	C	REVISION	26/05/2022
AN	D	REVISION	26/05/2023
AN	E	INFORMATION	01/08/2023

IMPORTANT NOTE:
THE COVERED OUTDOOR STORAGE AREA SHALL COMPLY WITH THE EKURHULENI BY-LAWS AT ALL TIMES.

- The Contractor is responsible for the correct setting out of the buildings and all external and internal walls with particular reference to boundaries, building lines and setting out points.
- The Contractor is to verify all levels, heights and dimensions on site and to check these against the drawing before putting any work in hand. All documentation must be compared with the actual building and discrepancies pointed out to the Architects before materials are ordered or work put in hand.
- The Contractor is to locate and identify existing services on the site and to protect these from damage throughout the duration of the contract.
- The Contractor is referred to the specifications and allowed tolerances as per SANS that form part of this document as required standards for workmanship and materials. This document is to be used in conjunction with this drawing.
- Any errors, discrepancies or omissions are to be reported to the CONSULTANT immediately.
- Any queries arising from all the above must be reported to the CONSULTANT for clarification before any work is put in hand.
- Do not scale this drawing; refer to figured dimensions only.

NOTES ON THE ISOTAINER TANKS (see sheet 102):

- THIS INSTALLATION SHALL BE REGISTERED WITH THE LOCAL AUTHORITY BEFORE BEING COMMISSIONED AND RECEIVING PRODUCT TO OPERATE.
- THIS INSTALLATION TO COMPLY WITH SANS 10131 AS WELL AS THE LOCAL EMERGENCY SERVICES BY-LAWS AT ALL TIMES.
- THE INSTALLATION TO BE HOUSED IN A BUNDED AREA OF A MINIMUM HEIGHT OF 350mm AS PER SANS 10131 SECTION 5.2.3.2.
- ALL SIGNAGE AND DANGER NOTICES MUST COMPLY WITH SANS 1198.
- ALL SAFETY DISTANCES MUST COMPLY WITH SANS 10131.
- NO STORAGE OF COMBUSTIBLE MATERIALS SHALL BE PERMITTED IN ANY BUNDED AREA.
- ACCESS TO AND AROUND THE INSTALLATION SHOULD BE PROVIDED FOR FIRE FIGHTING AND SHOULD BE KEPT CLEAR AT ALL TIMES.
- THERE SHOULD BE A SUFFICIENT, ACCEPTABLE NUMBER OF PORTABLE FIRE FIGHTING EQUIPMENT ON THE PREMISES.
- PORTABLE FIRE FIGHTING EQUIPMENT SHALL COMPLY WITH SANS 810, SANS 889 OR SANS 1151 AND SHALL BE INSTALLED IN ACCORDANCE WITH SANS 10105-1.
- AN ELEVATED TANK SHALL BE SO DESIGNED THAT IT IS SUPPORTED ON A NON-COMBUSTIBLE STRUCTURE OF DESIGNED STRENGTH AND A 4H FIRE RATING.
- FIRE WALLS MUST HAVE A 4H RATING. THE WALLS WILL BE CONSTRUCTED TO BE SELF-SUPPORTING AND REST ON ADEQUATE FOUNDATIONS IN ACCORDANCE WITH SANS 10400.

SITE PLAN LAYOUT
SCALE 1:150

Antwerp Str (20.00m)

APEX X
APEX X4



DRAWN BY: ANDRE NEL
DATE: 13-12-2021
PROJECT #: 0377

CONTACT NUMBER: 083-280-5606
SCALE: 1:150
SHEET SIZE: A1
DRAWING #: 010
REVISION #: E