

NOTES:

TRANSPORT WORKSHOP & PARKING

The transport workshop will be used for routine maintenance and external washing of FFS vehicles only. No commercial activity will be undertaken. A total of 12 heavy vehicles will be parked on the site after hours.

BUILDING AREAS /MAX HEIGHT

Security/Abolition	203 m ² /4.1m
Laboratory/Services	270 m ² /3.6m
Decanter Shed	200 m ² /3.2m
Boiler House	235 m ² /2.7m
Vehicle Workshop	450 m ² /7.6m
Mechanical Workshop/Store	325 m ² /7.6m
Office Block	162 m ² /7.6m

Total Building Area	1845 m ²
Site Area	22 990 m ²

WALL/ROOF SPECIFICATIONS

Brick Buildings

Security/Abolition
Laboratory/Services
Office Block

To be constructed from clay brick, min 230 thick, plastered and painted on both sides. Roofs to be corrugated Zincalume sheathing on timber trusses with polystyrene insulation.

Steel Frame Buildings

Decanter Shed
Boiler House
Vehicle Workshop
Mechanical Workshop/Store

To be constructed from structural steel portal frame structures with IFR profile Zincalume cladding.

DRAWING CROSS REFERENCE

Elevations	4162
Earthworks and Boundary wall	4065
Security/Abolition	3891
Laboratory/Services	3990
Decanter Shed	4171 / 4044
Boiler House	4007
Vehicle Workshop	4061
Mechanical Workshop/Store	4063
Office Block	4013

BUND SPECIFICATION & CROSS REFERENCE

All bund and loading/unloading areas to be constructed from 25 MPa concrete, either steel or fibre reinforced as specified. Floors to be min 100 mm thick, underlaid with PVC sheet. Bunds to have steel reinforced concrete walls a minimum of 1250 mm high. Bunds are drained by shaped gutters through the centres leading to 500x500x500 mm sumps.

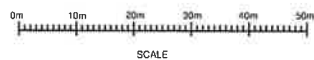
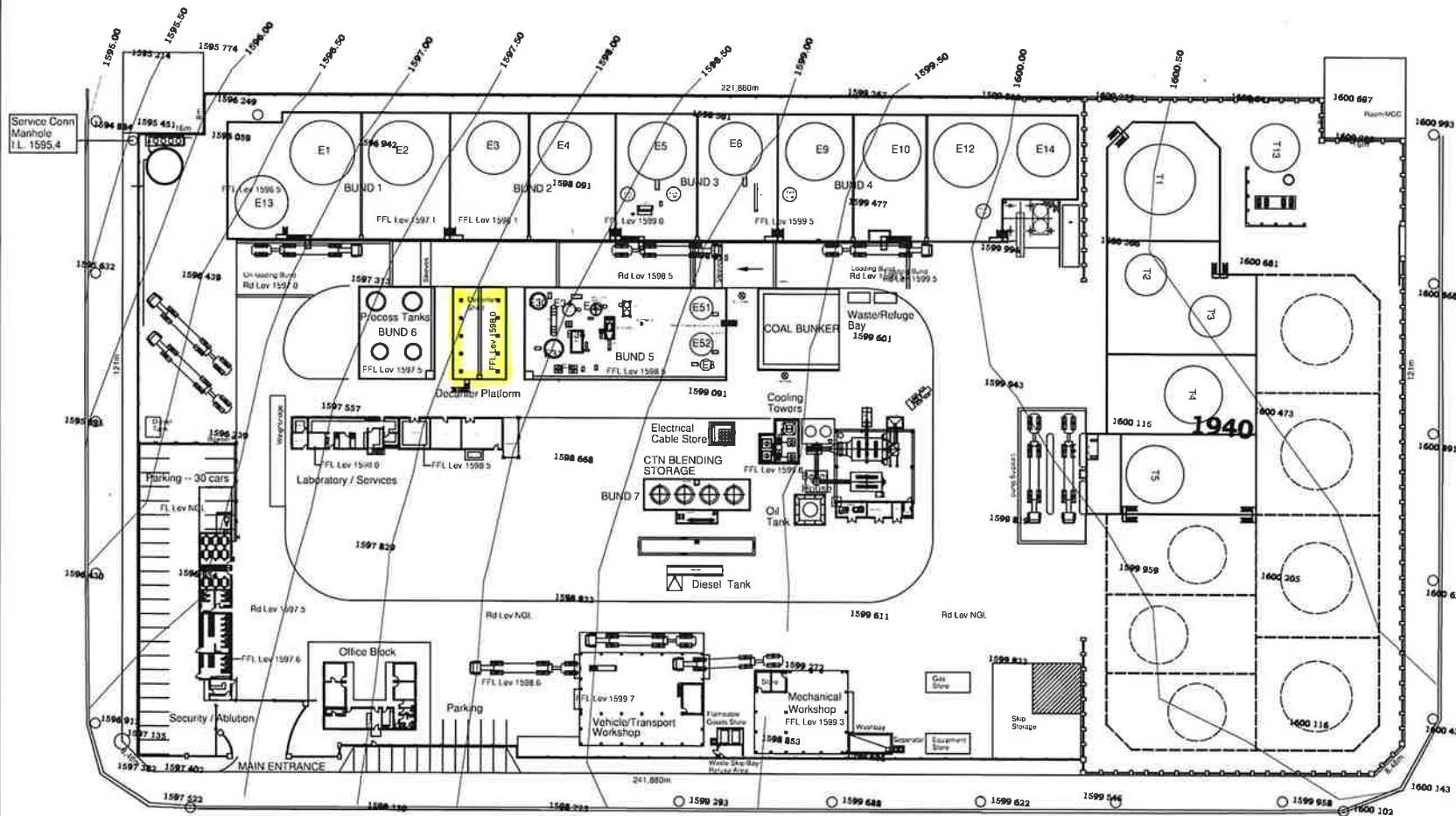
Bund 1 rel drawing	4048
Bund 2 rel drawing	4166
Bund 3 rel drawing	4049
Bund 4 rel drawing	4050
Bund 5 rel drawing	4051
Bund 6 rel drawing	4052
Bund 7 rel drawing	4849

EFFLUENT TREATMENT AND DRAINAGE

Site Services Layout	4190
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BOILER INSTALLATION

The boiler installation to comprise 1x20 t/h coal fired and 1x4 t/h oil fired unit. Stack emissions to comply with APPA requirements.



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Revisions:

- 02/08/2005 BOUNDARY LENGTHS ADDED
- 25/08/2005 NOTES ADDED
- 15/11/2005 NOTES RE BUNDS, TANK VENT, BUND DRAINS
- Positions of tanks 9, 10, 11, 13 and 14 revised
- Service cann added
- Office, Vehicle W/shop, Washbay and Mechanical W/shop positions revised
- Effluent plant and associated bund deleted
- Layout updated to as constructed, Tank no's updated
- Boiler house lean to and wash bay added
- Drawing updated, reference drawings corrected
- CTN blending added
- Coal bunker added
- As Built



104 Umhlatuzana Road, Sea View, Durban (Tel: 031-485-3103)

Project: **EVANDER TAR PLANT**

Description: **NEW TAR PLANT**

Date: 08/06/2004 By: SGN Scale: NTS

Drawing Number: 3277 Revision: 13