



CONCRETE PAVEMENT LAYERWORKS		
THICKNESS		DESCRIPTION
225mm		<b>35MPa concrete</b> with Multi Armour 100 or 120 as specified (or equal approved) topping inc curing compound, application in accordance with the manufacturer's recommendations. Generally a rough powerfloat finish. Generally unreinforced but Ref 617 mesh in slabs that are odd-shaped or have mismatched joints or slabs containing openings.
150mm	Subbase	<b>Subbase.</b> G5 quality gravel / crushed rock compacted to 98% Mod AASHTO density <b>or</b> G5 quality gravel / crushed rock stabilised with a nominal; 4% by mass of cement and compacted to 95% Mod AASHTO density.
150mm	Subgrade	In situ material, generally minimum G7 quality in situ soil or fill compacted to 93% Mod AASHTO density.

**NOTES :**

**SAFETY WARNING:** The Contractor will be working on the landfill so attention is drawn to the flammable, explosive and asphyxiative nature of landfill gas resulting from the decomposition of waste. Landfill gas can migrate through ground and the Contractor shall take all necessary precautions to ensure the safety of his/her personnel and all third parties from the dangers of landfill gas. Landfill gas is particularly dangerous in enclosed spaces (manholes etc.) The Contractor's personnel shall not enter the operational areas and contact with refuse and leachate should be kept to a minimum. No scavenging of refuse is allowed. Workmen are to be provided with the appropriate safety clothing and equipment.

The lighting of fires is strictly prohibited, due to the possible presence of landfill gas, and smoking on site will also be prohibited. The use of naked flames must only take place under safe conditions. Smoking shall only be allowed in designated safe areas.

The Contractor's attention is also drawn to the possible hazards to health of waste and contaminated water, and adequate health and safety precautions shall be taken.

The Contractor shall make all Sub-Contractors, visitors, third parties and agents aware of the hazards of landfill gas on the site, and shall ensure that they take the necessary precautions.

The Contractor shall take adequate Health and Safety precautions when working in and adjacent to waste. The wastes placed in the in-filled areas are reported to have been predominantly municipal wastes (domestic, commercial, industrial and inert). However, the Contractor should also make provision for the fact that any landfill may contain small quantities of hazardous substances other than those permitted under a site licence. No guarantee can be given that small quantities of other substances, including hazardous industrial waste, have not been concealed within other wastes and disposed without knowledge of the site operator.

THE EXTENT, LIMITS AND LOCATION OF THE WORKS SHOWN ARE APPROXIMATE ONLY AND MAY BE VARIED BY THE ENGINEER DEPENDENT UPON THE BUDGET AND CONDITIONS PREVAILING AT THE TIME OF CONSTRUCTION.

POSITION OF ALL THE CELL BOUNDARIES SHOWN IS TO BE VERIFIED & THE EXTENT OF THE WORKS CONFIRMED BY THE ENGINEER.

SURFACE & SUBSOIL DRAINAGE TO INTERCEPT FUTURE LEACHATE AND EXISTING GROUNDWATER FLOWS WILL BE POSITIONED AS REQUIRED DURING THE CONTRACT.

THERE ARE A NUMBER OF EXISTING LEACHATE PIPELINES WITHIN THE AREA OF THE WORKS AND THESE NEED TO BE LOCATED AND PROTECTED BEFORE ANY WORK IS STARTED.

ANY DAMAGE TO THE EXISTING LINER CAUSED BY THE CONTRACTOR IS TO BE REPAIRED TO THE ENGINEERS APPROVAL AT THE CONTRACTORS EXPENSE.

THE METHOD OF CONSTRUCTION IS TO BE SELECTED BY, AND REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. DETAILS SHALL BE PROVIDED TO THE ENGINEER.

ALL HDPE PIPING IS TO BE PE 100 SDR 17 PN 10 UNLESS OTHERWISE INDICATED.

THE EDGE OF THE EXISTING LINING NEEDS TO BE DETERMINED BY INVESTIGATION ON SITE WITHOUT DAMAGING IT. THE SETTING OUT POINTS ARE INDICATIVE ONLY.

LEVELS RELATED TO THE LINER REFER TO THE TOP OF THE PROTECTION LAYER UNLESS OTHERWISE STATED

CONTOURS DEPICT WASTE AS AT SEPTEMBER 2022 FOR THE LANDFILL SITE.

SCALE ON REDUCED DRAWING

100mm ON ORIGINAL DRAWING

DRAWING SCHEDULE		
6W-34703-01	OVERALL PLAN SHOWING CELL 7 & ANCILLARY WORKS	
6W-34703-02	PLAN & DETAILS CELL 7: EARTHWORKS & DRAINAGE	
6W-34703-03	CELL 7: LINING PLAN & DETAILS	
6W-34703-04	CELL 7: CONSTRUCTION DETAILS	
6W-34703-05	CELL 7: CONCRETE DETAILS & ACCESS ROADS DETAILS	
6W-34703-06	CELL 7: SEWER SOAK AWAY DETAILS	

REVISIONS		
AA	JAN 2026	FOR TENDER PURPOSES
No.	DATE	REVISION DESCRIPTION

DESIGN ENGINEER / EMPLOYER'S AGENT:

**WILSON & PASS Inc**  
email: jay.pass@wilsonandpass.co.za  
contact: +27 82 463 1127  
PO Box 6900 Kirklington, Hillcrest 3625  
Durban South Africa

EMPLOYER:

☐ eThekweni Municipality  
**CLEANSING & SOLID WASTE**  
**DSW**

MANAGER PLANT & DISPOSAL:

HEAD CLEANSING & SOLID WASTE:

PROJECT:

**LOUVI LANDFILL: CONSTRUCTION OF CELL 7 AND ANCILLARY WORKS**

DOC TITLE:

**CONCRETE DETAILS & ACCESS ROAD DETAILS**

DOC PURPOSE:

**FOR TENDER**

DESIGN:

J. PASS PrEng 890126  
for Wilson & Pass Inc

SIGN:

DATE:

29/01/2026

DESIGN:

J. PASS PrEng

ENCLOSURE CONTRACT No:

**6W-34703**

ORIGINAL SCALE:

AS SHOWN

DATE:

JANUARY 2026

DWG No.:

6W-34703 - 05

REV No.:

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