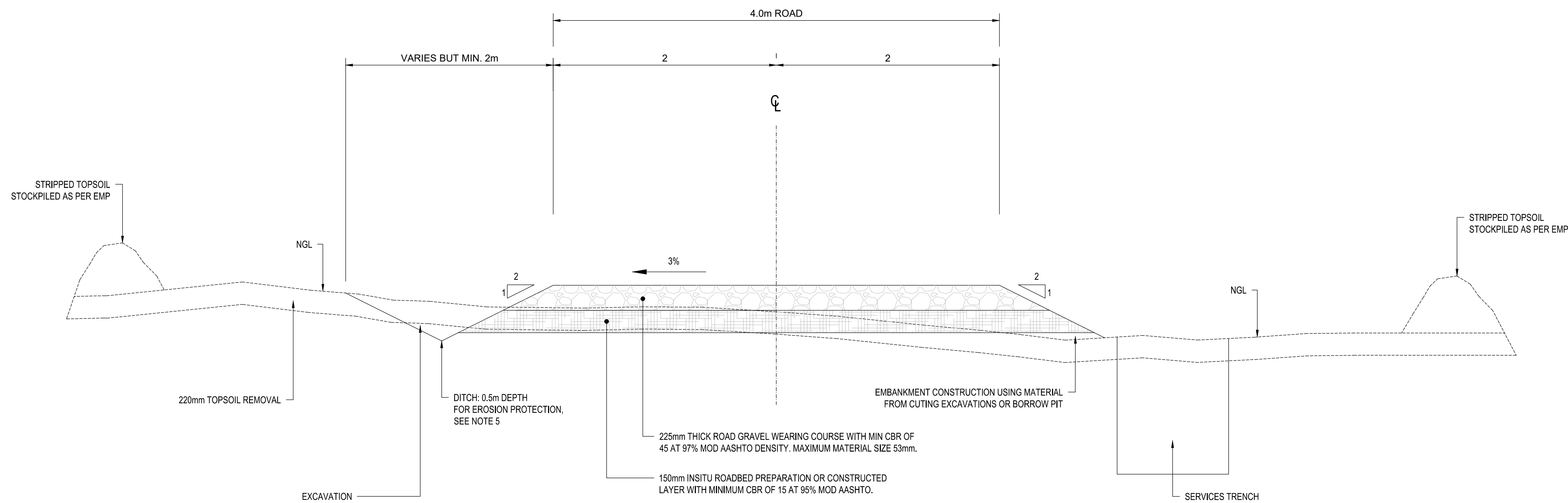


TYPICAL ACCESS ROAD CROSS SECTION - 4,0m WIDTH



TYPICAL INTERNAL ROAD CROSS SECTION - 4,0m WIDTH

NOTES:

1. ALL WORK SHALL BE CARRIED OUT AND TESTED IN ACCORDANCE WITH SANS 1200.
2. ALL CUT AND FILL EMBANKMENTS TO BE SLOPED 1 (VERTICAL) : 2 HORIZONTAL AND TO BE CONSTRUCTED IN ACCORDANCE WITH TRH9.
3. TOPSOIL STRIPPING TO BE MINIMUM OF 220mm AND STOCKPILED IN ACCORDANCE WITH EMP.
4. SIDE DRAINS TO BE PROVIDED WHERE FINAL ROAD LEVELS ARE LESS THAN 500mm ABOVE THE NATURAL GROUND LEVEL (AFTER TOPSOIL STRIPPING), AND WHEREVER THE ROAD IS IN CUT.
5. EROSION PROTECTION AS DETERMINED BY SLOPE:
 - >12% - GROUTED STONE PITCHING WITH ENERGY DISSIPATION AS REQUIRED TO BE DETERMINED AND AGREED ON-SITE IN LIAISON WITH THE ECO.
 - 7-12% - 100mm TOPSOIL AND UNGROUTED STONE PITCHING WITH ENERGY DISSIPATION AS REQUIRED TO BE DETERMINED AND AGREED ON-SITE IN LIAISON WITH THE ECO.
 - 3-7% - 100mm TOPSOIL ENERGY DISSIPATION BY MEANS OF STONE OR SIMILAR CHECK WEIRS INSTALLED AT INTERVALS TO BE DETERMINED AND AGREED ON-SITE. MITRE DRAINS AS PER TABLE IN ROAD DESIGN REPORT
 - 1-3% - 100mm TOPSOIL AND MITRE DRAINS

NOTES:

1. THIS DRAWING IS BASED ON THE LO-21 WGS84 COORDINATE SYSTEM.
2. 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.
3. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH SANS 1200.
4. ALL WORK SHALL BE TESTED AS PER THE REQUIREMENTS OF SANS 1200 OR AS PER THE APPROVED QMS.
5. THE CONTRACTOR IS TO REMAIN CLEAR OF - AND NO WORK TO BE DONE WITHIN - ENVIRONMENTALLY SENSITIVE AREAS WITHOUT PRIOR CONSENT FROM THE ECO.
6. 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.
7. ALL EXISTING STORMWATER AND ROAD INFRASTRUCTURE TO BE PRESERVED AND MAINTAINED DURING CONSTRUCTION.

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

EKCON
Consulting Engineers

UITZICHT BUILDING, TYGERBERG OFFICE PARK
163 UYS KRIGE DRIVE, PLATTEKLOOF, CAPE TOWN, 7500
EMAIL: EKCON@EKCON.CO.ZA
TEL: 021 930 9360

CLIENT

**SOUTH AFRICAN NATIONAL
SPACE AGENCY**

PROJECT TITLE

SANSA MATJIESFONTEIN

DRAWING TITLE

**TYPICAL ROAD CROSS SECTION
(Sheet 1 of 1)**

SCALE	SIZE	APPROVED
1:25	A0	SHR BUCKLE
DESIGNED		
S. RAMCWANA		ECSA PR ENG 200400065
CHECKED		
SHR BUCKLE		

DRAWING STATUS

FOR TENDER

DRAWING NUMBER	REV
P3589-C-TD- 001	C