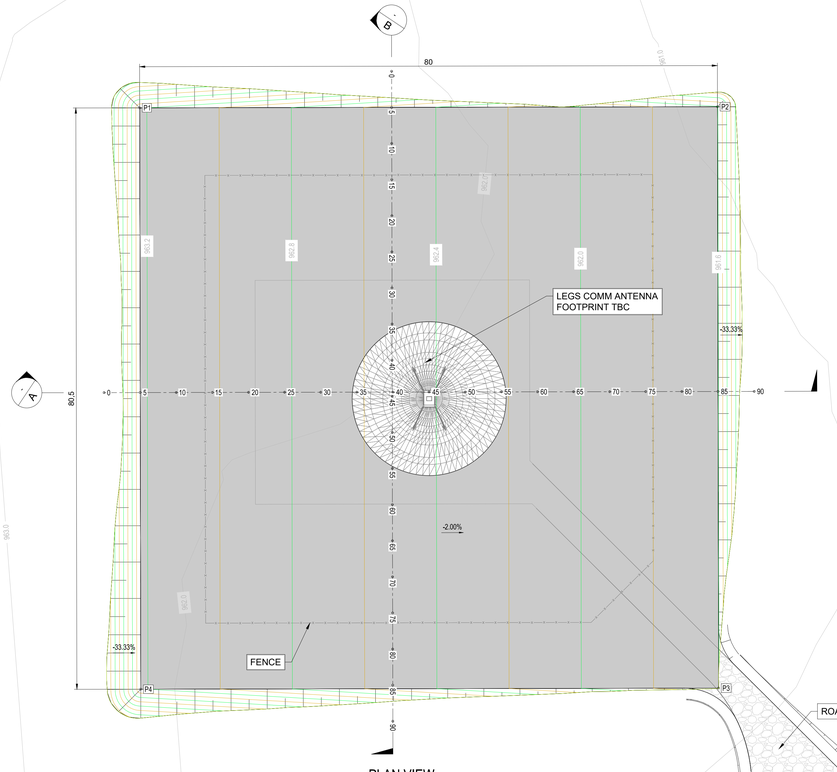


PLAN VIEW
SCALE 1:300

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.

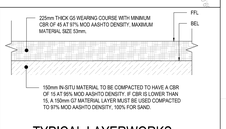
LEGEND

- DRIFT
- STORMWATER CROSSING - TYPE 1
- STORMWATER CROSSING - TYPE 2
- ROAD SIDE DRAIN
- MITRE DRAIN
- CUT-OFF DRAIN
- GUARDRAIL
- EXISTING FENCELINE
- DESIGN CONTOURS (0.2m INTERVAL) (962)
- PROPOSED FENCELINE
- NEW GATE
- PROPERTY BOUNDARY

KEY PLAN
SCALE 1:50 000

PLATFORM EARTHWORKS

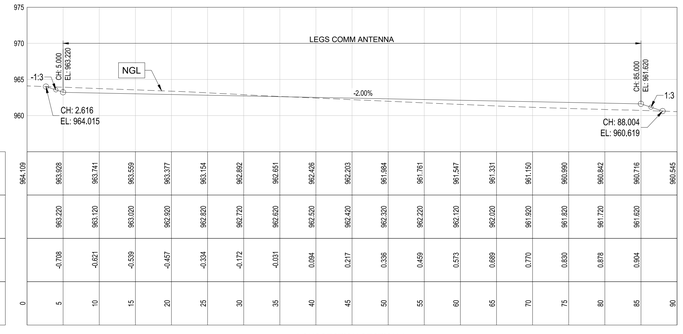
Vol (m³)	1952.114	CUT
Vol (m³)	1286.406	FILL
Vol Net (m³)	665.708	Cut



TYPICAL LAYERWORKS
ANTENNA PLATFORM

SCALES:
Horizontal 1:300
Vertical 1:300

DATUM 955.000

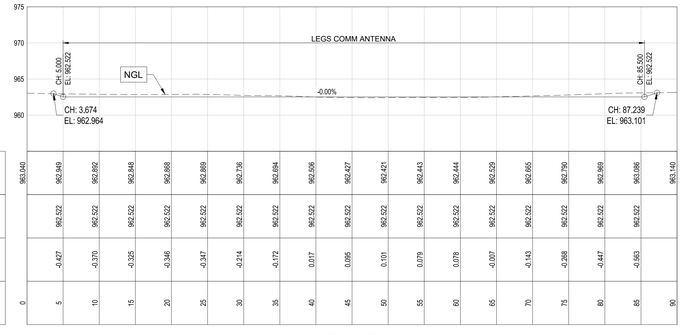


GROUND LEVELS ON CL	964.109	963.928	963.741	963.559	963.377	963.194	962.992	962.851	962.426	962.203	961.984	961.761	961.547	961.331	961.150	960.990	960.842	960.716	960.645	
FINAL LEVELS ON CL		963.220	963.120	963.020	962.920	962.820	962.720	962.620	962.520	962.420	962.320	962.220	962.120	962.020	961.920	961.820	961.720	961.620		
CUT / FILL		-0.708	-0.821	-0.539	-0.457	-0.394	-0.172	-0.031	0.094	0.217	0.336	0.459	0.573	0.689	0.770	0.830	0.878	0.904		
DISTANCE (m)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	

LONGSECTION SECTION A
FROM 0.000 TO 90.000

SCALES:
Horizontal 1:300
Vertical 1:300

DATUM 955.000



GROUND LEVELS ON CL	963.040	962.949	962.892	962.848	962.868	962.869	962.726	962.694	962.506	962.427	962.421	962.443	962.444	962.529	962.665	962.790	962.969	963.066	963.140	
FINAL LEVELS ON CL		962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	962.522	
CUT / FILL		-0.427	-0.370	-0.325	-0.346	-0.347	-0.214	-0.172	0.017	0.095	0.101	0.079	0.078	-0.007	-0.143	-0.268	-0.447	-0.583		
DISTANCE (m)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	

LONGSECTION SECTION B
FROM 0.000 TO 90.000

BULK EARTH WORKS SETTING OUT DATA
(WGS84 Lo21)

POINT	X	Y	Z
P1	42307.585	3679554.481	963.220
P2	42227.585	3679554.481	961.620
P3	42227.585	3679634.981	961.620
P4	42307.585	3679634.981	963.220

REV	DATE	DESCRIPTION
B	2025-02-11	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
BULK EARTHWORKS PLAN & PROFILE LEGS COMM ANTENNA (SHEET 1 of 1)

SCALE	SIZE	APPROVED
1:300	A0	SHR BUCKLE

DESIGNED: S. RAMNCWANA
CHECKED: R. BUCKLE
ECSA PR ENG 202402865

DRAWING STATUS
FOR TENDER

DRAWING NUMBER: P3589-C-BE-005
REV: B

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192.168.0.246\PROJECTS\EKCON\3589 SANSA - MATJIESFONTEIN\DRAWINGS\04 DRAWINGS\PSD\04-C-BE-005 BULK EARTHWORKS PLAN & PROFILE - LEGS COMM ANTENNA.DWG