

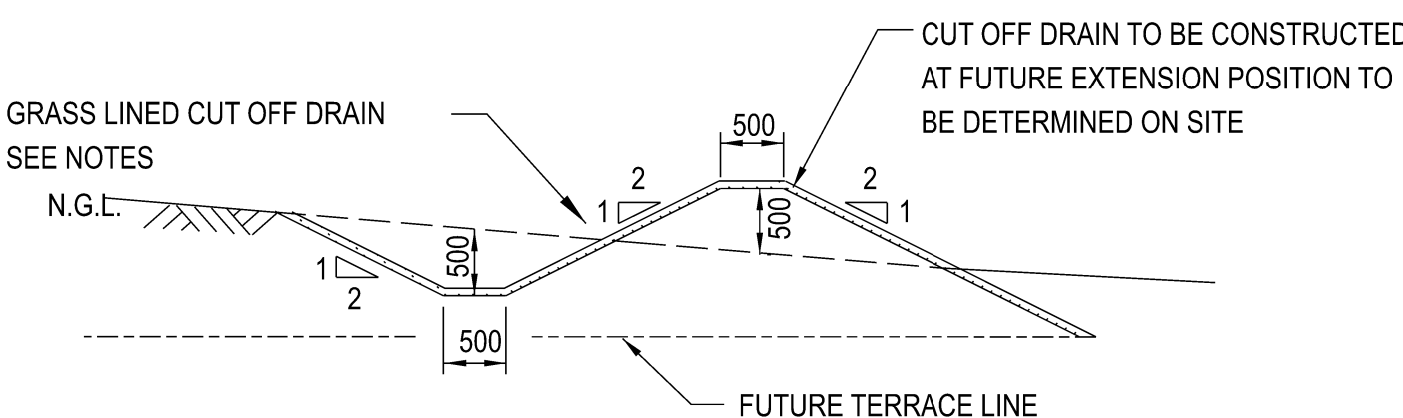
PROPERTY CO-ORDINATES		SYSTEM WGS 21[
POINT	Y	X	
NCR	-13 556.14	3 158 385.26	
SCR	-14 197.83	3 159 179.37	
NCL	-12 768.67	3 159 049.96	
SCL	-13 410.13	3 159 828.33	

SOP & Y - X BEACON CO-ORDINATES SYSTEM WGS 21[
POINT	Y	X	HEIGHT	DESCRIPTION
SOP	-13 501.542	3 158 879.695	827.454	2.5mm DRILL HOLE ON TOP OF 20mm IRON PEG
SOP A	-13 432.638	3 158 797.581	828.068	
YA	-13374.912	3 158 728.784	828.158	2.5mm DRILL HOLE ON BRASS PLATE. THE NIPPLE ON BRASS PLATE IS THE LEVEL
YB	-13 612.741	3 159 012.218	827.659	
X	-13 601.322	3 158 795.965	826.338	
X1	-13 247.015	3 159 093.260	832.372	
X2	-13 532.408	3 158 713.848	826.736	
X3	-13 178.103	3 159 011.135	832.351	

PHASE 2 TERRACE CO-ORDINATES SYSTEM WGS 21[
POINT	Y	X
P2 A	-13 436.21	3 158 965.19
P3 B	-13 513.62	3 159 965.74
P2 C	-13 471.65	3 159 091.44
P2 D	-13 395.84	3 158 999.89

CUT/FILL LINE CO-ORDINATES SYSTEM WGS 21[
POINT	Y	X
CF 1	-13 418.62	3 158 979.95
CF 2	-13 433.05	3 158 991.41
CF 3	-13 432.85	3 158 023.41

PHASE 2 EARTHWORK VOLUMES
STRIP 150mm TOPSOIL - 740m³
OVER EXCAVATE AEOLIAN SANDS
TRANSPORTED GRAVEL AND CALCRETE - 7 200m³
BACKFILL OVER EXCAVATION TO 150mm BELOW PLATFORM LEVEL - 7 775m³
CUT - 50m³ FILL 1 275m³
150mm WEARING COURSE (G6) - 720m³
ALLOW TO IMPORT G7 GRAVEL MATERIAL FROM FUTURE TERRACE EXTENSION - 3 500m³
ALLOW TO IMPORT G7 GRAVEL MATERIAL FROM COMMERCIAL SOURCE - 1 000m³



CUT OFF DRAIN
N.T.S.

LAYOUT
SCALE 1:1000

ALL EARTHWORKS AND ROAD LAYERS TO BE CONSTRUCTED AS PER ESKOM APPROVED DRAWINGS AND TO COMPLY WITH THE SPECIFICATIONS AS STIPULATED BY THE RELEVANT S.A.N.S. 1200 AND S.A.N.S. 2001-BE1:2008

EXCAVATE AEOLIAN SANDS AND TRANSPORTED GRAVEL AND RESIDUAL GRANITE AND STOCKPILE FOR BLENDING AND USE FOR FILL

OVER EXCAVATE CALCRETE AND GRANITE HARD ROCK STOCKPILE FOR BLENDING AND USE FOR FILL (1.5m BELOW TERRACE LEVEL) BY MEANS OF RIPPING OR BLASTING

BACKFILL OVER EXCAVATION WITH BLENDED MATERIAL FROM STOCKPILE AND FUTURE TERRACE EXTENSION GRAVEL (G7) TO 150mm BELOW TERRACE LEVEL IN 150mm LAYERS TO 95% MOD AASHTO DENSITY MDD AT 2% OMC. TEST MATERIALS TO ENSURE THAT THE MATERIAL MEETS MINIMUM G7 MATERIAL CLASSIFICATION

NOTE
ASSUME 20% BOULDERS AND HARD EXCAVATION AND 80% SOFT EXCAVATION IN CUT AREA
A CRUSHER PLANT TO BE ERRECTED IF REQUIRED TO MANUFACTURE FILL MATERIAL (MAX SIZE 50mm) FORM OVER EXCAVATED LARGE ROCK FRAGMENTS AND STOCKPILED FOR LATER USE
CRUSH CALCRETE AND GRANITE BEDROCK AND BLEND WITH TRANSPORTED AND RESIDUAL SOILS
BLENDED MATERIALS TO BE TESTED TO ENSURE THEY MEET THE REQUIRED G7 MATERIAL FOR BACKFILL AND G6 MATERIAL FOR WEARING COURSE

FOUNDATION NOTE FOR RESIDUAL GRANITE
WHERE RESIDUAL GRANITE IS ENCOUNTERED REMOVE APPROX 0.5m BELOW FOUNDATION LEVEL AND REPLACE WITH BLENDED G7 MATERIAL WITH 150mm LAYERS COMPACTED TO 93% MOD AASHTO DENSITY MDD AT OMC

FILL FROM BLENDED/FUTURE TERRACE EXTENSION G7 MATERIAL TO 150mm BELOW TERRACE LEVEL IN 150mm LAYERS COMPACTED TO 95% MOD AASHTO DENSITY MDD AT 2% OMC

IMPORT 150mm GRAVEL WEARING COURSE (G6) AND COMPACT TO 95% MOD AASHTO DENSITY MDD AT 2% OMC

ROADBED PREPARATION - RIP INSITU 300mm AND RE-COMPACT TO 95% MOD AASHTO DENSITY MDD AT 2% OMC

FINAL DESIGN FOR CONSTRUCTION

ORIGINAL DWG #: 0.12/7772 REV 0
DETAIL DWG #: N/A

NOTES

- CO-ORDINATES & LEVELS INDICATED ARE PROVISIONAL & MUST BE VERIFIED ON SITE PRIOR TO ANY COMMENCEMENT OF EARTHWORKS
- ALL GRASSING TO BE DONE WITH GRASS/GEL MIXTURE
SEED MIX : DIGITARIA ERIANTHA (SMITHS VINGER) - 8kg/ha
CHLORIS GYANHA (RODES GRASS) - 8kg/ha
CYNODON DACTYLON - 8kg/ha
- GRASSED AREAS TO BE COVERED WITH TERRASAFE 500' NATURAL GEOTEXTILE. INSTALLATION AS PER SUPPLIERS SPECIFICATIONS
- ALL GRASSED AREAS SHALL BE ADEQUATELY WATERED AT REGULAR AND FREQUENT INTERVALS TO ENSURE PROPER GERMINATION OF SEEDS AND GROWTH OF GRASS
- M.D.D. - MAXIMUM DRY DENSITY kg/m (MOD AASHTO)
- O.M.C. - +2% TO -2% OF OPTIMUM MOISTURE CONTENT

FIRST ISSUE		03-10-2023		REFERENCE DRAWINGS	
REV	REVISION DESCRIPTION	DRAWN	CHECK	DATE	REVISION
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