SOP & Y - X BEACON CO - ORDINATES SYSTEM WGS 84 Lo 19°				
POINT	Y	X	HEIGHT	DESCRIPTION
SOP	52 445.89	3 727 305.25		
Y	52 332.96	3 727 256.83		
Y1	52 535.91	3 727 343.85		
X	52 550.85	3 727 060.21		

NOTE
CO-ORDINATES ARE PROVISIONAL AND FIXED CO-ORDINATES AND DESCRIPTION TO FOLLOW WHEN BEACONS HAVE BEEN CONSTRUCTED TO DETAIL 0.34/390 SHT 534

TERRACE CO-ORDINATES SYSTEM WGS 84 Lo 19°		
POINT	Y	X
A	52 604.31	3 727 149.49
B	52 463.40	3 727 089.16
C	52 259.08	3 727 472.42
D	52 439.69	3 727 532.71

EARTHWORK VOLUMES

STRIP 200mm TOPSOIL - 13 488m³

CUT TO SPOIL - 95m³

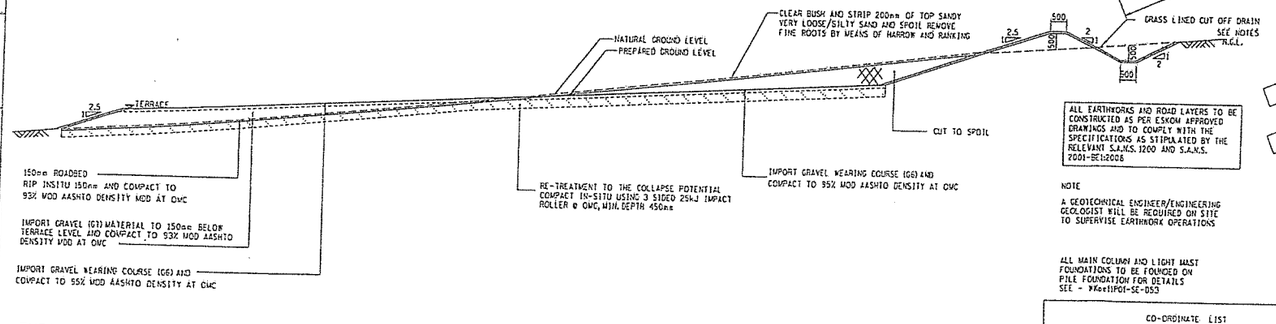
FILL - 183 355m³

OVER EXCAVATE 2m BELOW TERRACE LEVEL AND SPOIL - 202 320m³

BACKFILL OVER EXCAVATION TO 150mm BELOW TERRACE LEVEL WITH IMPORTED GT MATERIAL - 192 205m³

IMPORT 150mm GRAVEL WEARING COURSE (G6) - 10 115m³

LAYOUT
SCALE 1 : 1000



TYPICAL TERRACE SECTION
N.T.S.

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-BE1:2006

NOTE

A GEOTECHNICAL ENGINEER/ENGINEERING GEOLOGIST WILL BE REQUIRED ON SITE TO SUPERVISE EARTHWORK OPERATIONS

ALL MAIN COLUMN AND LIGHT MAST FOUNDATIONS TO BE FOUNDED ON PILE FOUNDATION FOR DETAILS SEE - WKoe11P01-SE-053

CO-ORDINATE LIST			
STATION	METRIC	KG15	
	Y	X	Z
KB1	52761.26	3727178.54	15.149
KB2	52243.70	3727852.56	15.279
KB3	52780.11	3727209.30	15.322
KB4	53093.20	3727292.14	7.131
KB5	52818.65	3726771.50	17.015

LEGEND

TAP TAP/BREATHER	SPRINKLER	WATER	BUSH/SHRUBS	STANDARD FENCE
BH BOREHOLE	FLAG POLE	WIND PUMP	TREE	RETAINING WALL
FH FIRE HYDRANT	GRAVE	IRON STANDARD	REEDS	WALL
SM SQUARE MANHOLE	MONUMENT	KERB INLET	GUARD HOUSE	SUBSTATION
RM ROUND MANHOLE	GATE	LAMP POLE	GRASS	CONCRETE
WM WATER METER	SIGNPOST	POLE	SIGN BOARD	ELECTRIC POWER BOX
ES ELECTRIC BOX	TRAFFIC SIGNAL	HILLOCK	HEDGE	GRID DRAIN

NOTES

1. CO-ORDINATES & LEVELS INDICATED ARE PROVISIONAL & MUST BE VERIFIED ON SITE PRIOR TO ANY COMMENCEMENT OF EARTHWORKS
2. ALL GRASSING TO BE DONE WITH GRASS/GEL MIXTURE
   SEED MIX (DIGITARIA ERIANTHA (SMUTS FINGER) - 8kg/ha
   CHLORIS GYANA (RODES GRASS) - 8kg/ha
   CYNODON DACTYLON - 8kg/ha
3. GRASSED AREAS TO BE COVERED WITH TERRASAFE 500 MATERIAL GEOTEXTILE, INSTALLATION AS PER SUPPLIERS SPECIFICATIONS
4. ALL GRASSED AREAS SHALL BE ADEQUATELY WATERED AT REGULARY AND FREQUENT INTERVALS TO ENSURE PROPER GERMINATION OF SEEDS AND GROWTH OF GRASS
5. M.D.D. - MAXIMUM DRY DENSITY kg/m³ (MOD AASHTO)
6. O.M.C. - +2% TO -2% OF OPTIMUM MOISTURE CONTENT
7. OVER EXCAVATION IF NEEDED.
   MAIN COLUMN
   EQUIPMENT FOUNDATION

NOT FOR CONSTRUCTION

REV	REVISION DESCRIPTION	DRAWN	CHKD	AUTH	DATE	REFERENCE DRAWINGS
1	TERRACE DESIGN CHANGES AND REVISED	PHC	A.C.J.V.R		9/7/2014	
0	FIRST ISSUE					

DRAWN BY: S.J.Z.R.M.M.L. DATE: 29-07-2013
CHECKED BY: P.H.C.H.S.O.N. DATE: 29-07-2013
DRAWN BY: D.J.L.E.E.N.E. DATE: JUNE 2013

Eskom Holdings SOC Ltd
Reg No 2002/015527/30

WESKUSFLUER
400/132 kV GIS STATION
TERRACE LAYOUT AND DETAILS

SCALE AS SHOWN

WKoe11P01-SE-D41

SHEET NUMBER 0 | REVISION 1

SIZE ANSI A0L