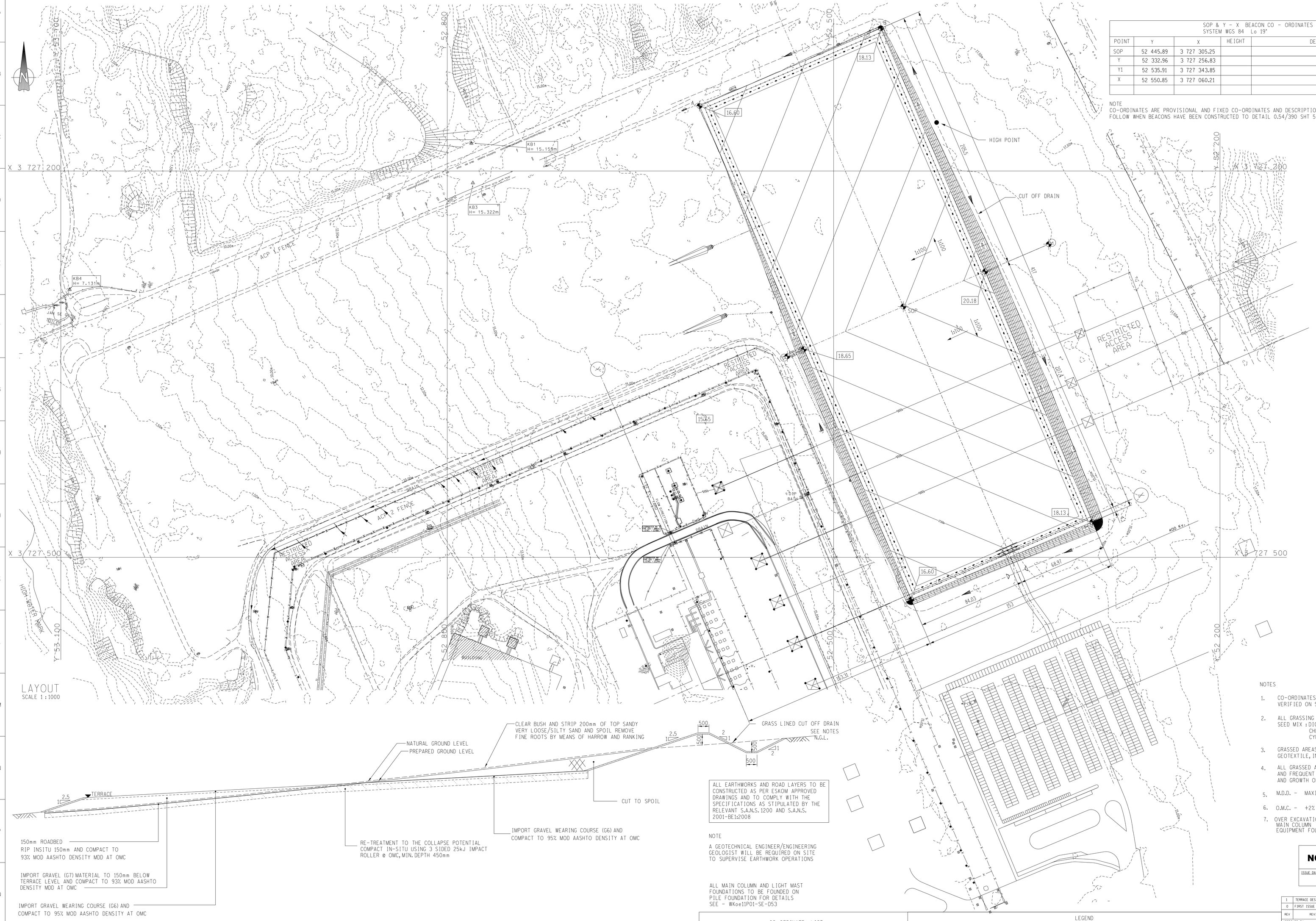

LAYOUT
SCALE 1 : 1000

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 0.54/390 SHT 53A

TERRACE CO-ORDINATES SYSTEM WGS 84 Lo 19°		
POINT	Y	X
A	52 604.11	3 727 149.49
B	52 463.40	3 727 089.16
C	52 299.08	3 727 472.42
D	52 439.69	3 727 532.71

EARTHWORK VOLUMES
STRIP 200mm TOPSOIL - 13 488m³

CUT TO SPOIL - 95m ³

FILL - 183 355m³

OVER EXCAVATE 3m BELOW TERRACE LEVEL AND SPOIL - 202 320m³

BACKFILL OVER EXCAVATION TO 150mm BELOW TERRACE LEVEL WITH IMPORTED G7 MATERIAL - 192 205m³

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

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-BE1:2008

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-D53

CO-ORDINATE LIST			
STATION	METRIC WG19		
	Y	X	Z
KB1	52781.28	3727178.56	15.159
KB2	52243.70	3727652.56	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	
MH SQUARE MANHOLE	MONUMENT	KERB INLET	GH GUARD HOUSE	SUBSTN SUBSTATION	
RM ROUND MANHOLE	GATE	LAMP POLE	GRASS	CONCRETE	
WM WATER METER	SIGNPOST	POLE	SIGN BOARD	EPB ELECTRIC POWER BOX	
EB ELECTRIC BOX	TS TRAFFIC SIGNAL	ROCK	HEDGE	TRANSFORMER 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 (SMITS VINGER) - 8kg/ha
   CHLORIS GYANHA (RODES GRASS) - 8kg/ha
   CYNODON DACTYLON - 8kg/ha
3. GRASSED AREAS TO BE COVERED WITH TERRASAFE '500' NATURAL 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

ISSUE DATE:

REV	REVISION DESCRIPTION	DRAWN	CHKD	AUTH	DATE	REFERENCE DRAWINGS
1	TERRACE DESIGN CHANGED AND REVISED	PHO	DJC.S	AM	1/1/2017	
0	FIRST ISSUE					

APPROVED BY: DJ.C.GENEKAL — DATE: 19-01-2017
CHECKED BY: PJMONTSHIOA — DATE: 19-01-2017
DRAWN BY: DJJANGOVE — DATE: JAN 2017
SCALE AS SHOWN

Eskom
Eskom Holdings SOC Ltd
Reg No 2002/015527/30

WESKUSFLUER
400/132 kV GIS STATION
TERRACE LAYOUT AND DETAILS

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WKoe11P01-SE-D41 | SHEET NUMBER 0 | REVISION 1

SIZE: A0 | GRIDDTM