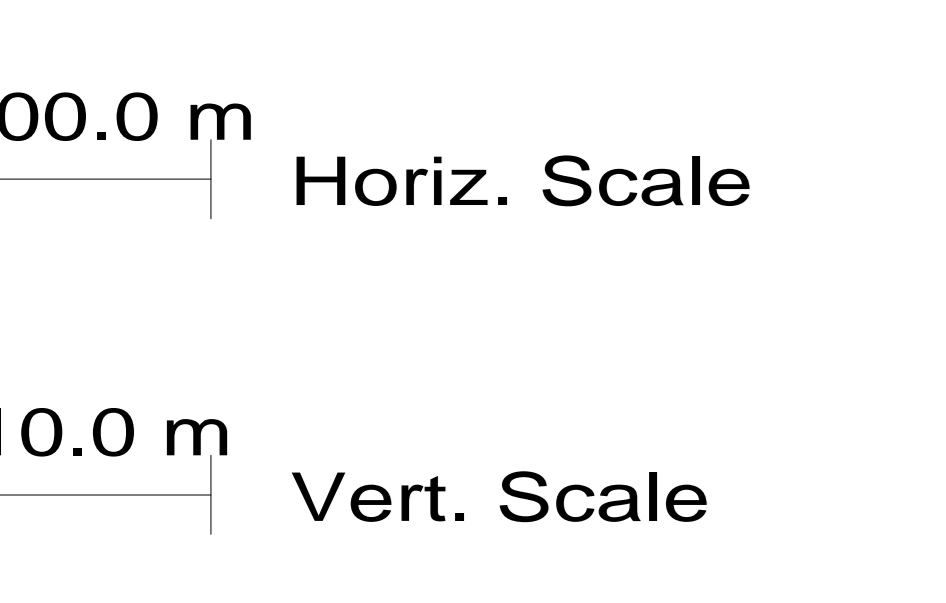
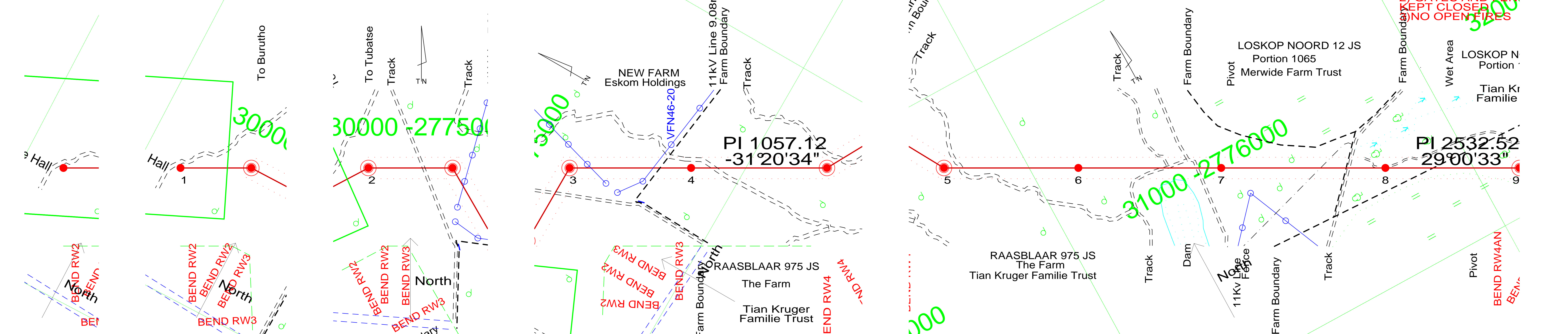
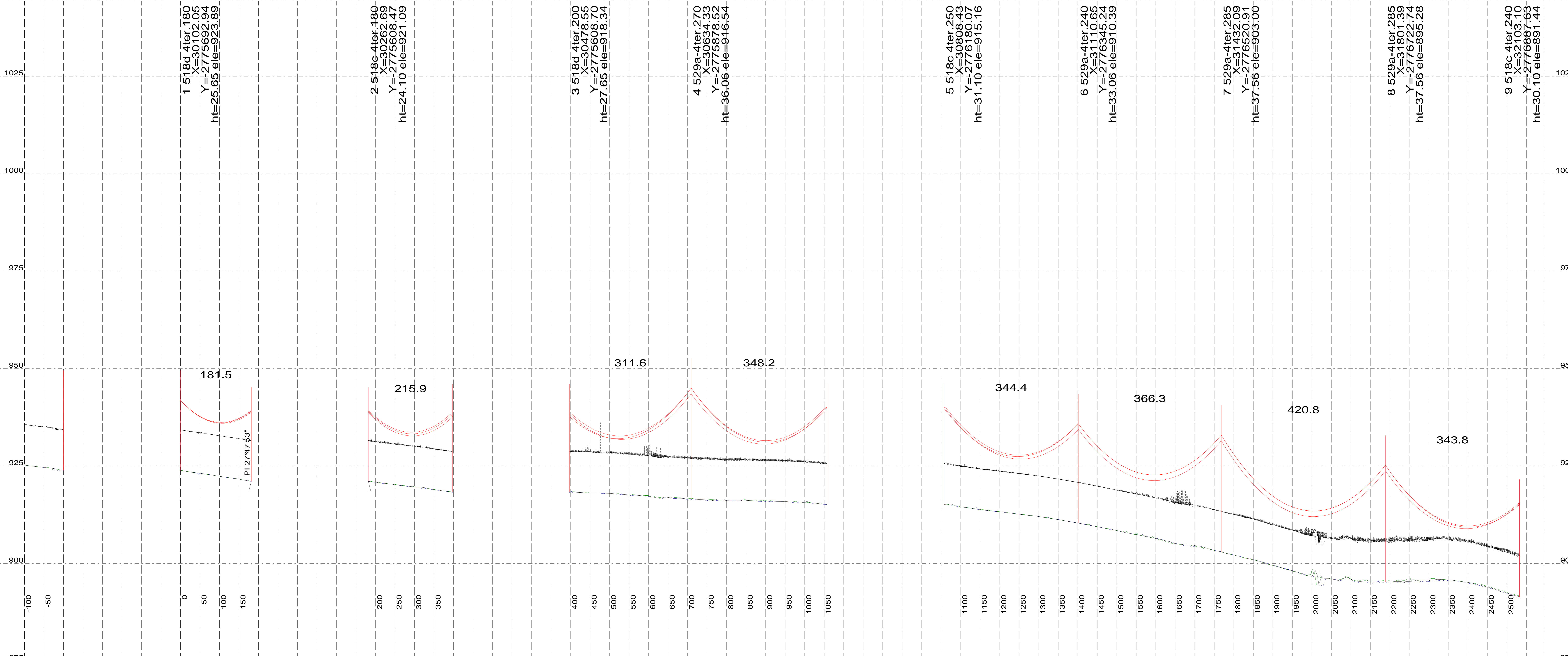


## **Appendix 5: Layout Designs**

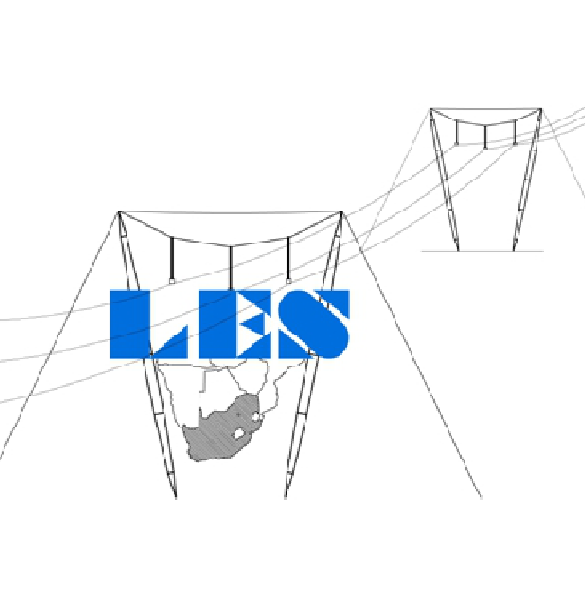


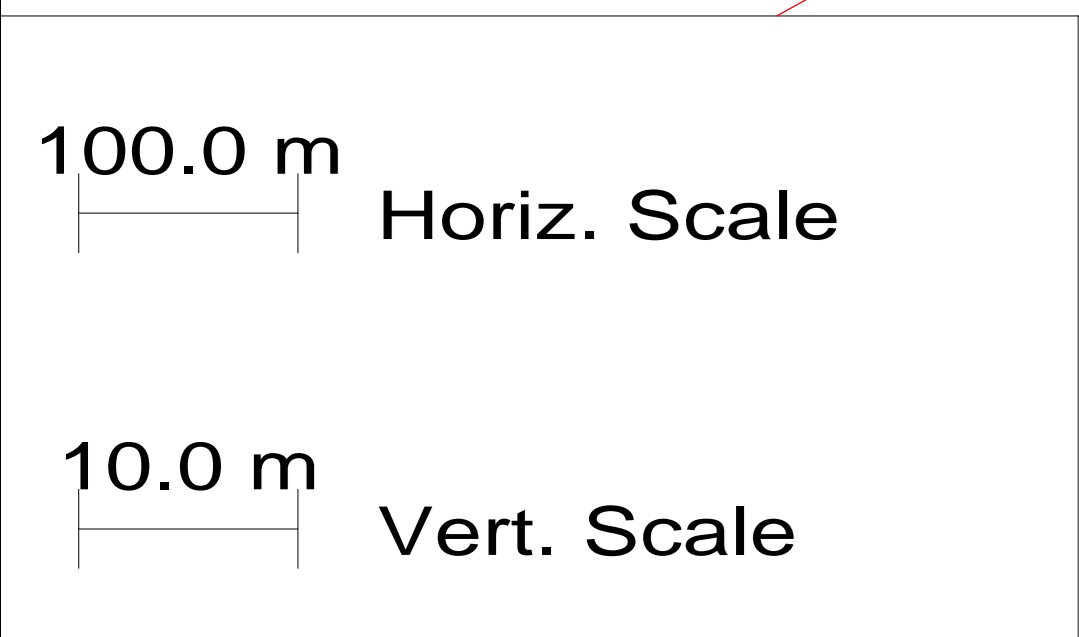
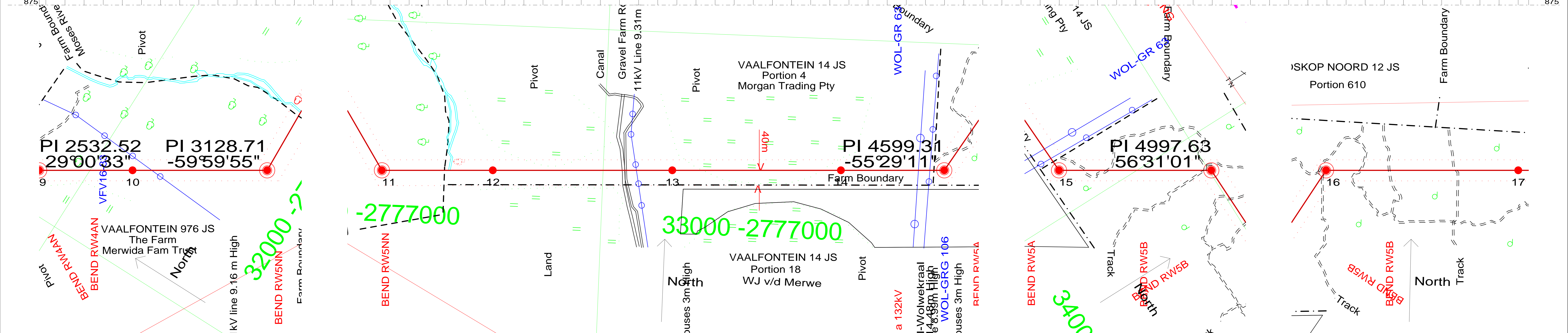
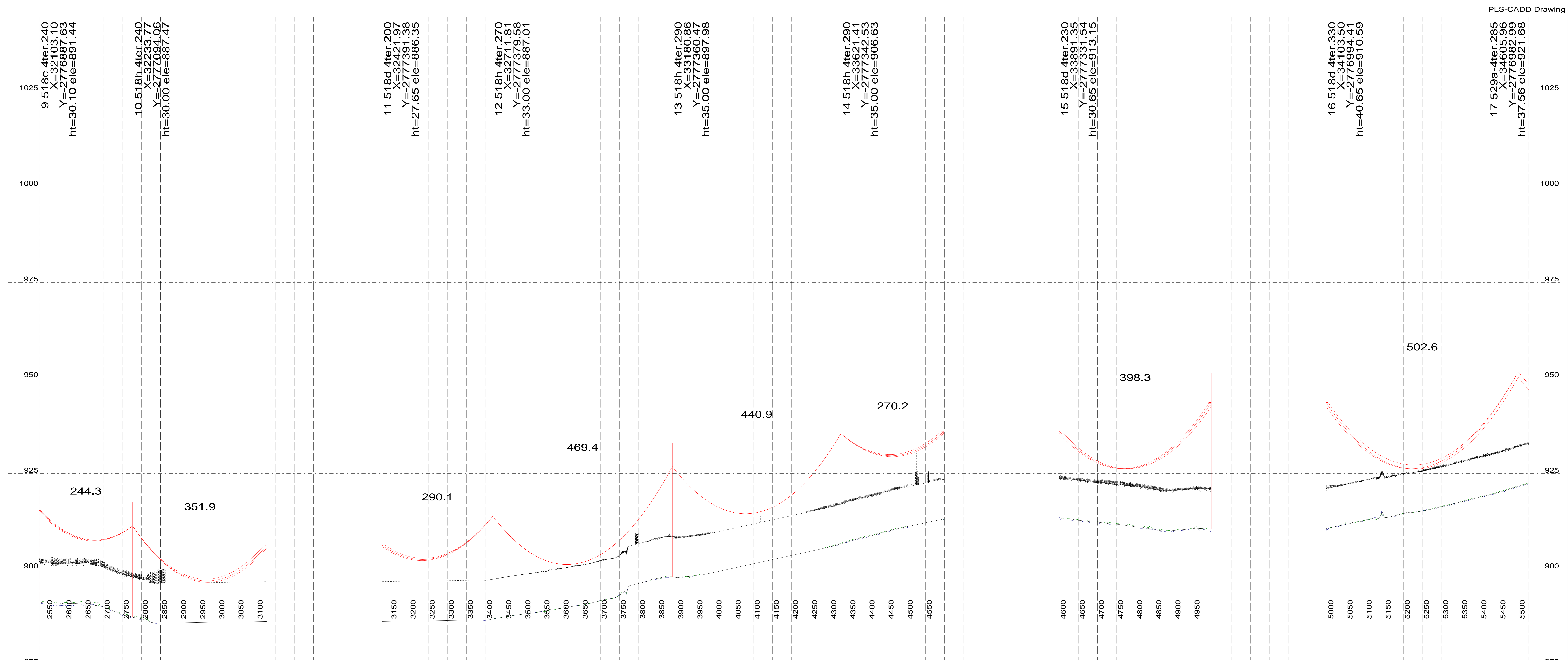
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Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
Sheet 1/35

Engineer Line Design: B Ntshutsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



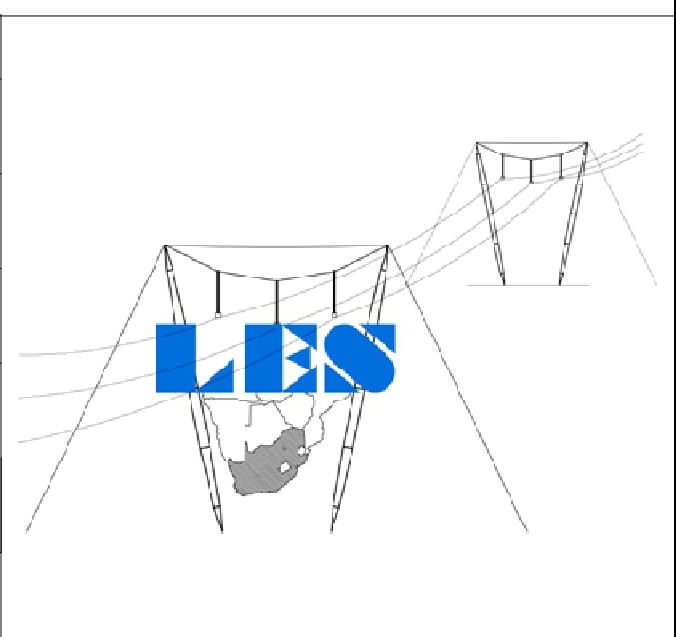


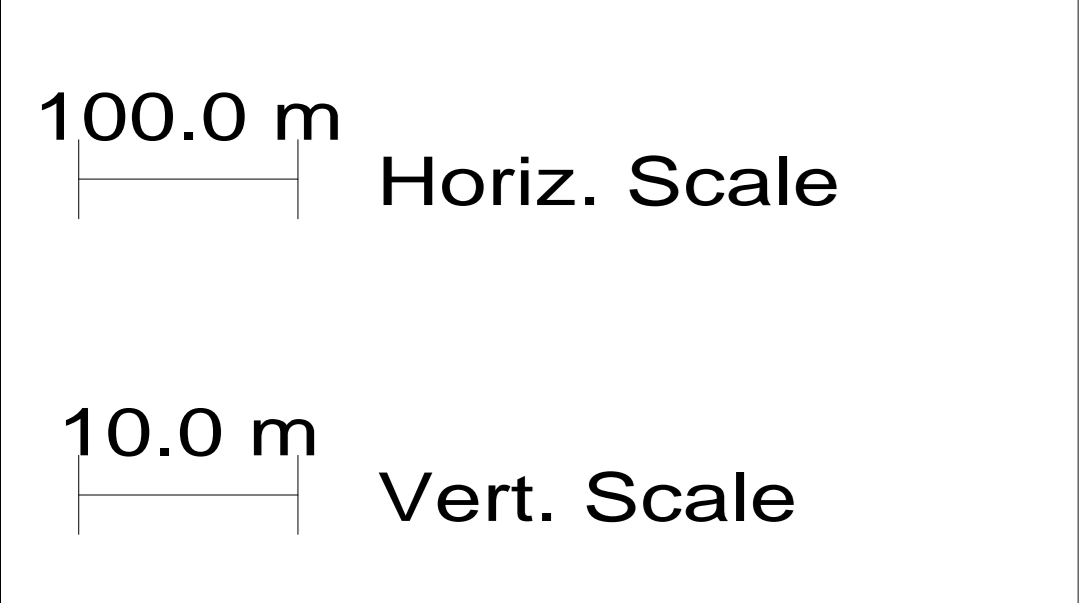
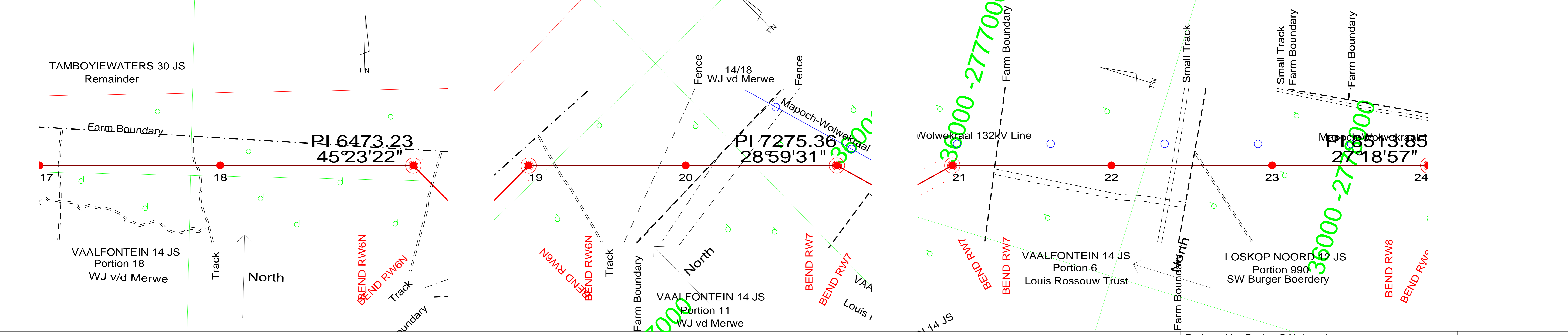
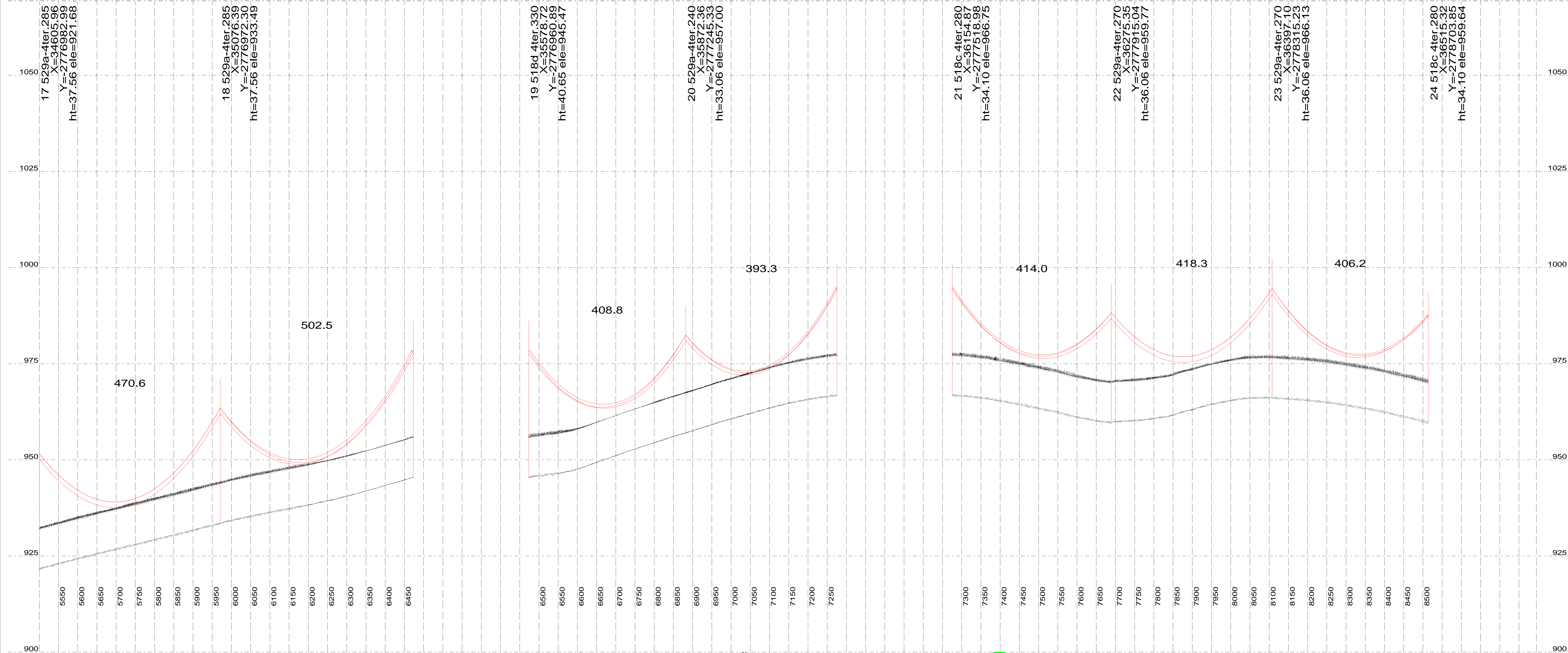
**Drawing No: PRELIM PROFILES**  
 Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templatng Tempreature: 60 Degrees

DATE:  
 26 Sep 2013  
 Sheet 2/35

Engineer Line Design: B Ntshunsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo



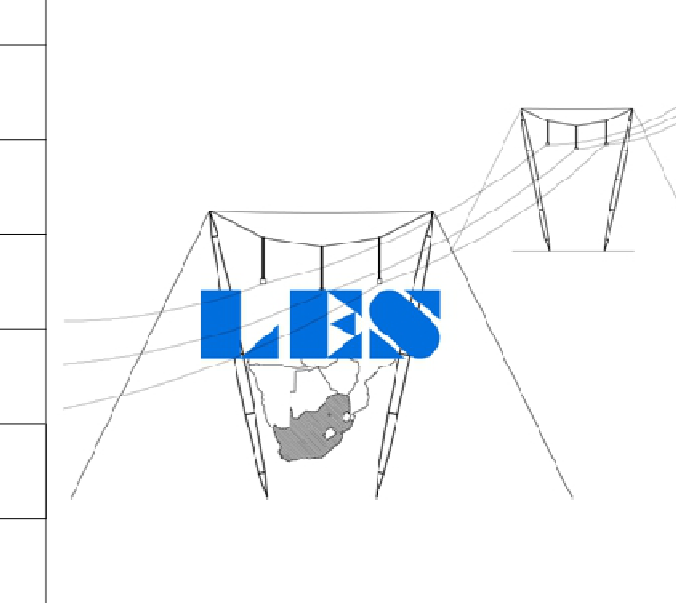


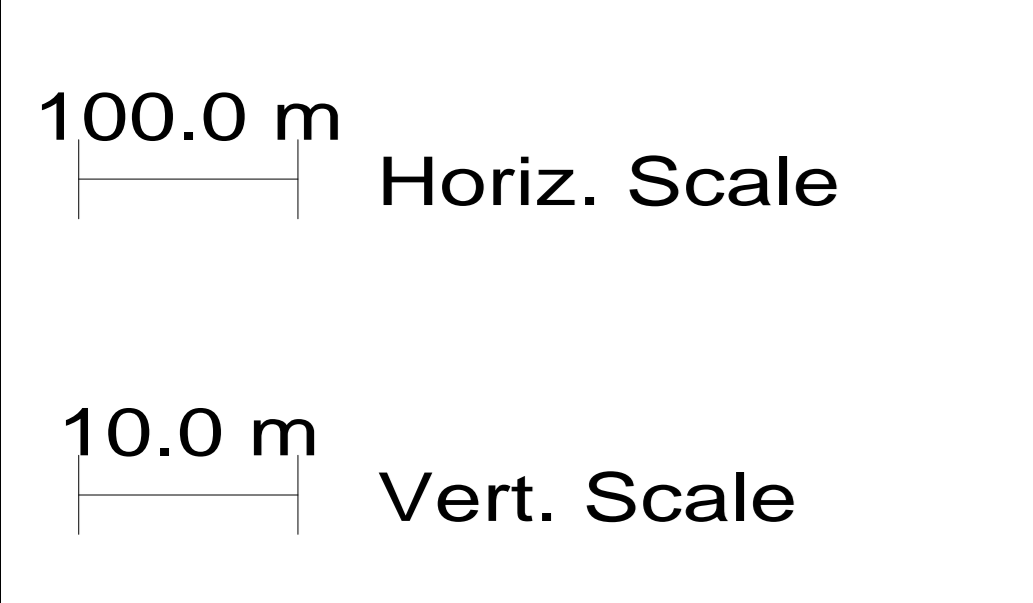
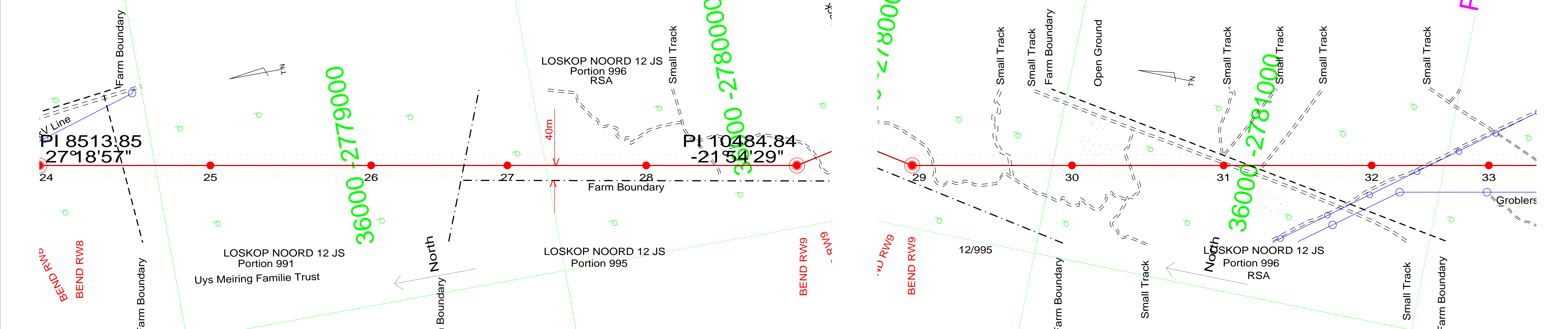
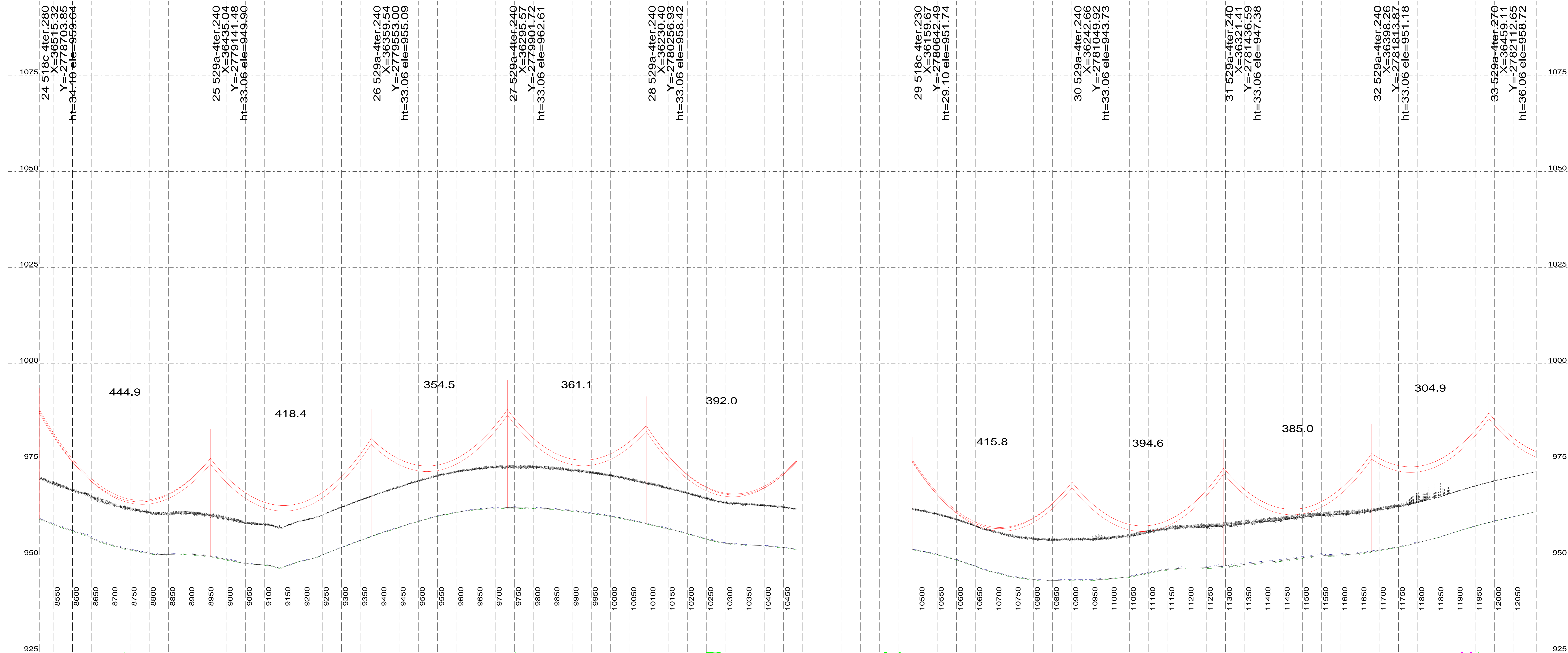
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Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
Sheet 3/35

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo





**Drawing No: PRELIM PROFILES**

Revision Information: 0

**Marblehall Rockdale B 400kV Line**

Structure Family: 529A and 518 SERIES

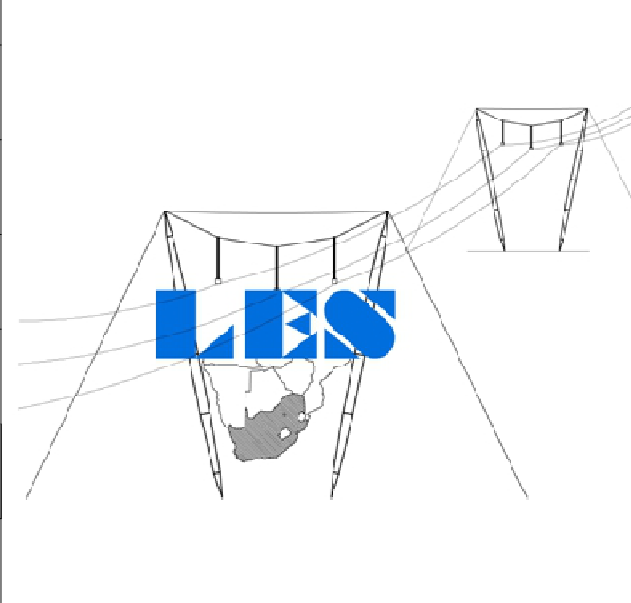
Conductor: 3 x IEC 560

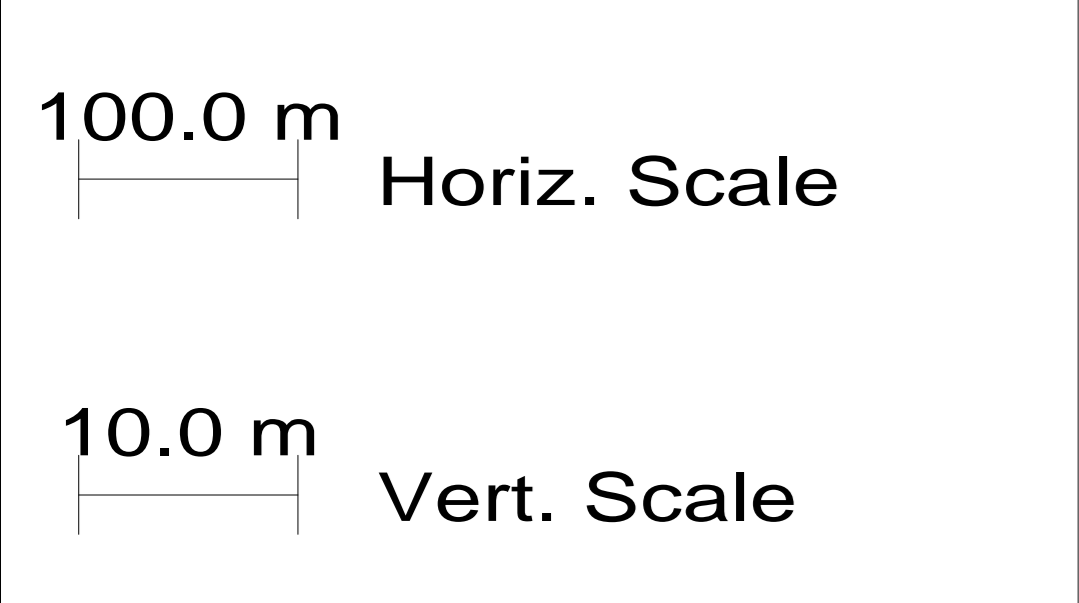
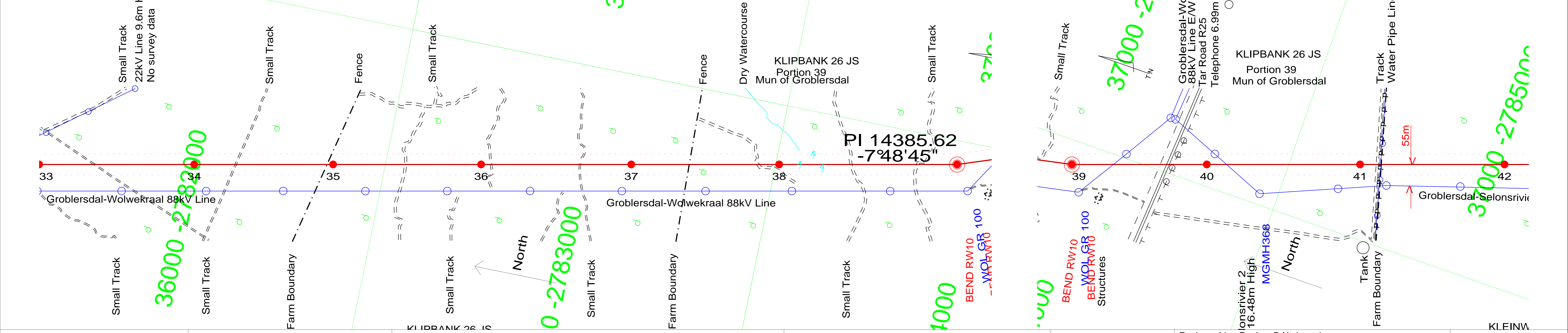
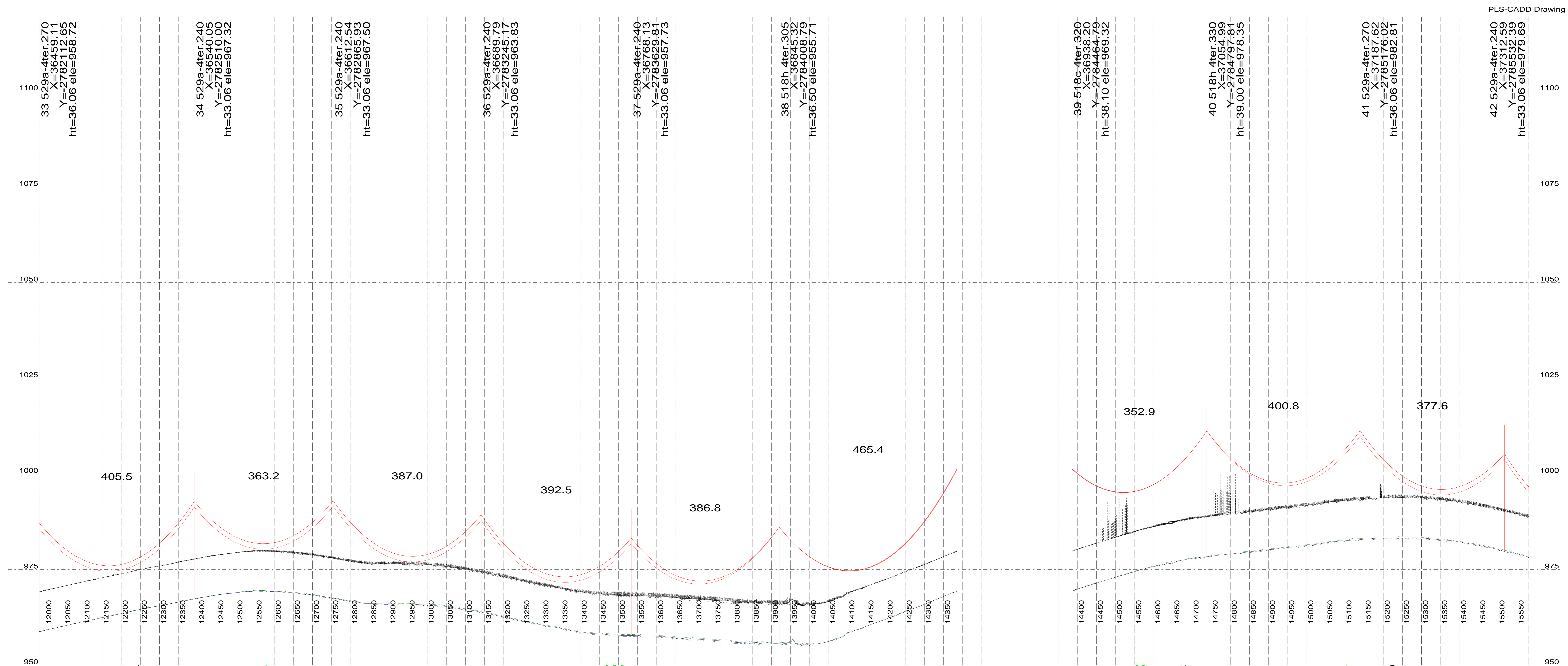
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013

Sheet 4/35

Engineer Line Design: B Ntshunsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo



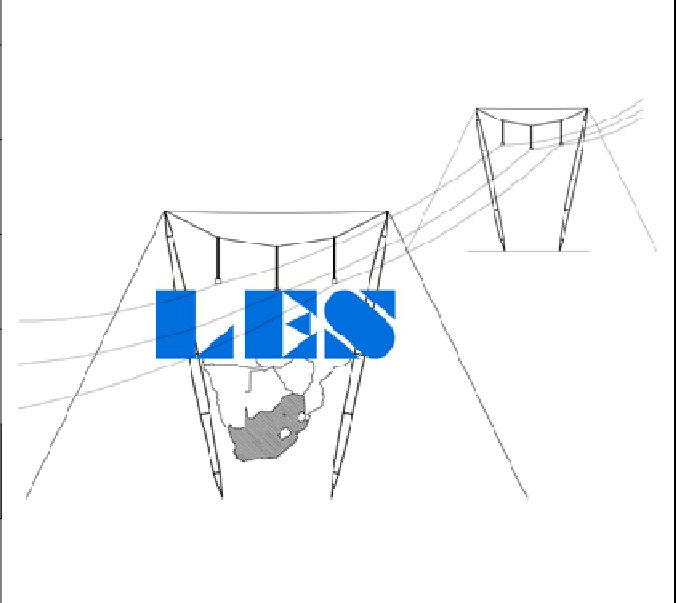


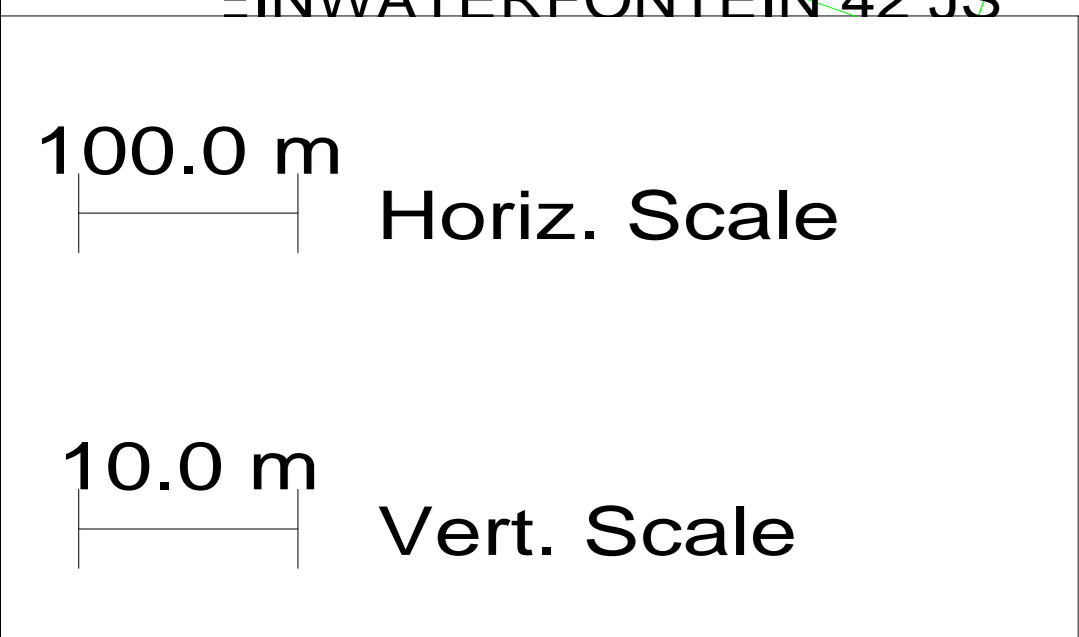
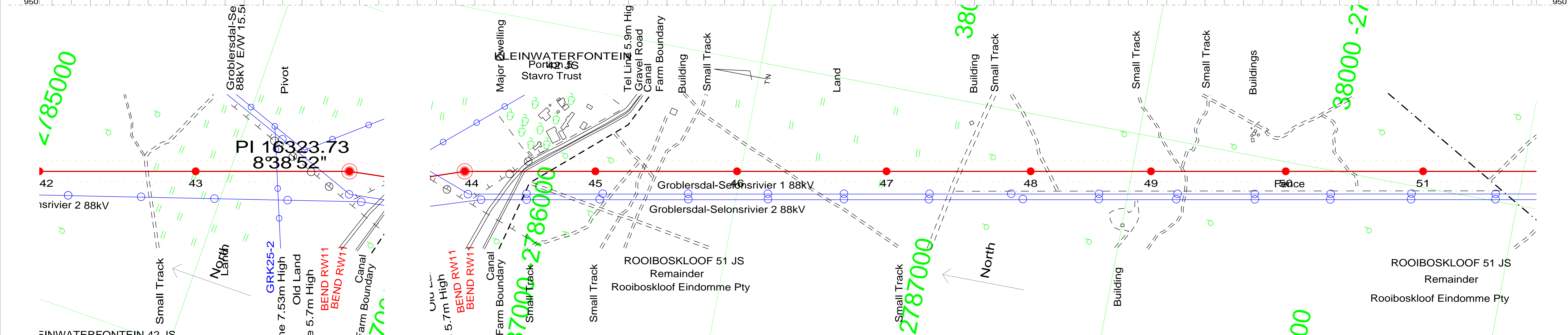
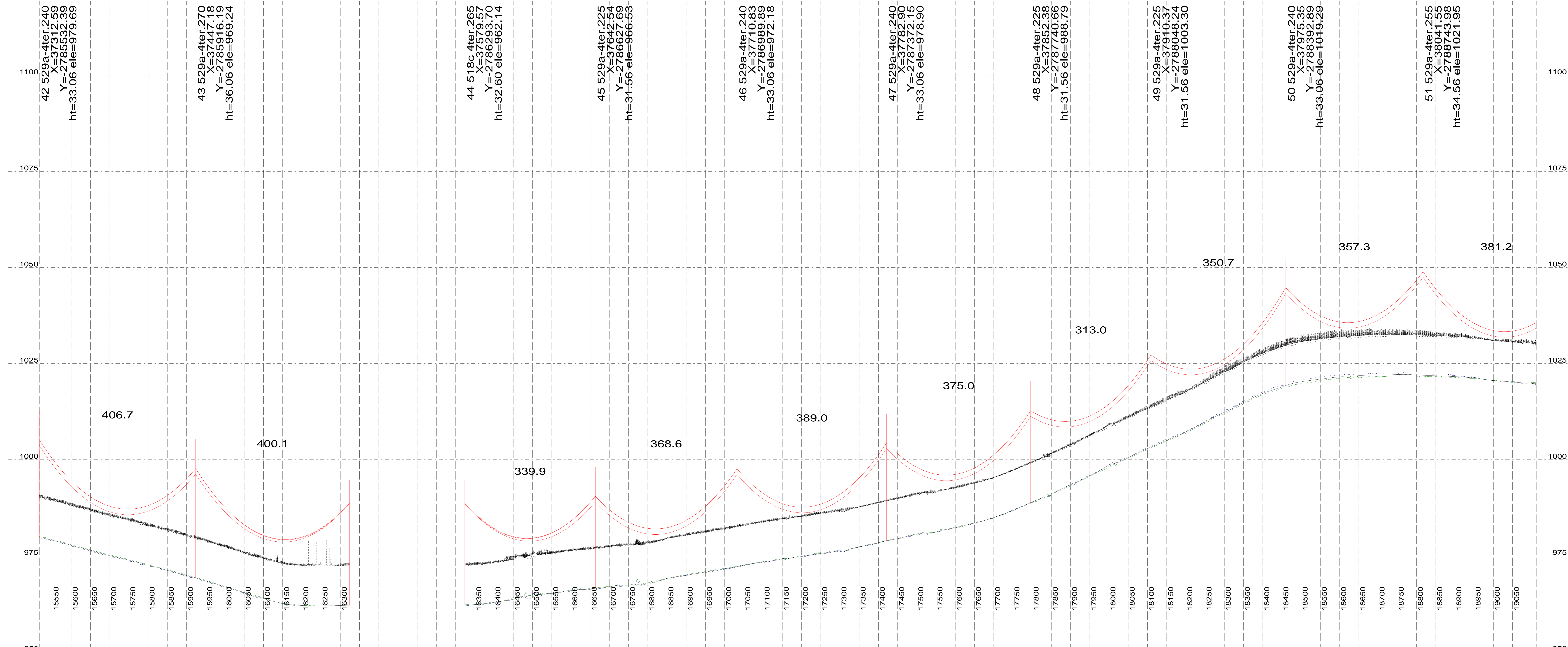
**Drawing No: PRELIM PROFILES**  
 Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE:  
 26 Sep 2013  
 Sheet 5/35

Engineer Line Design: B Ntshutsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo



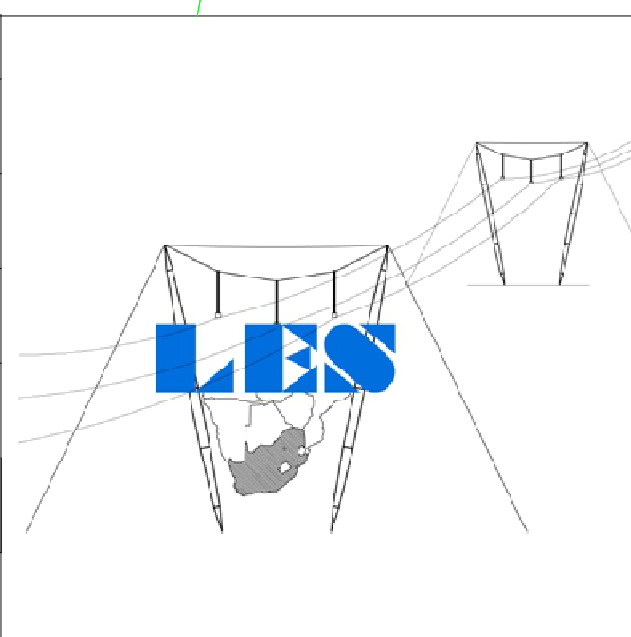


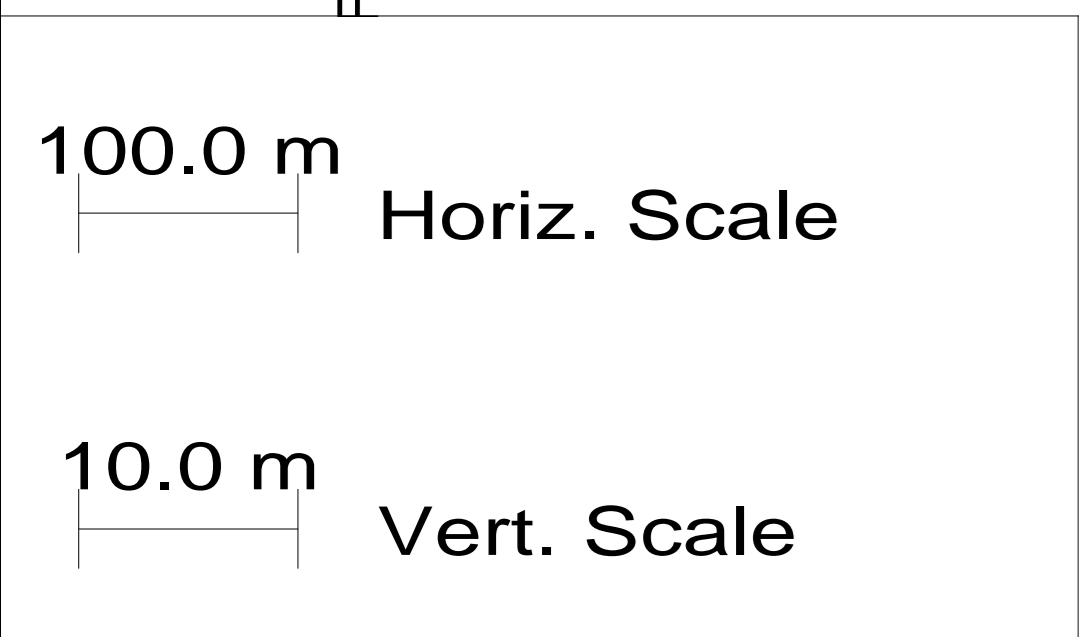
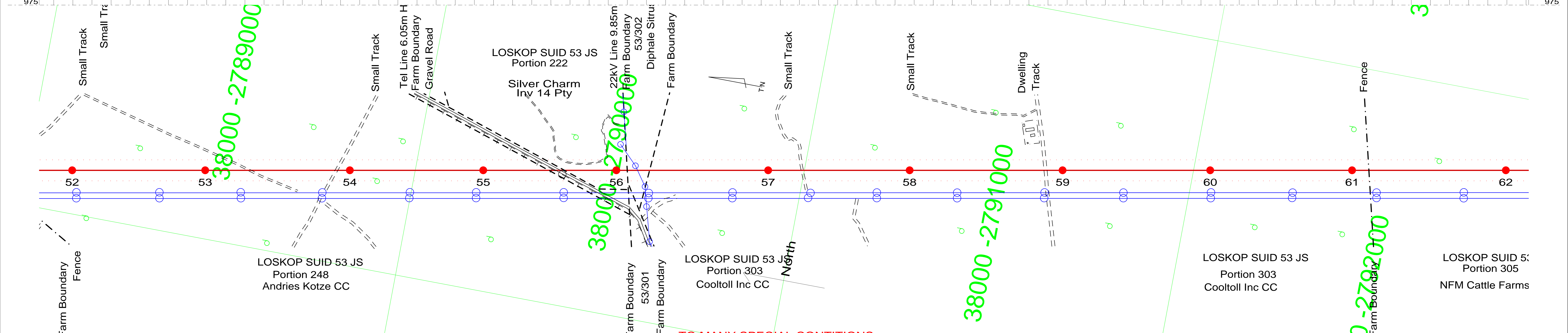
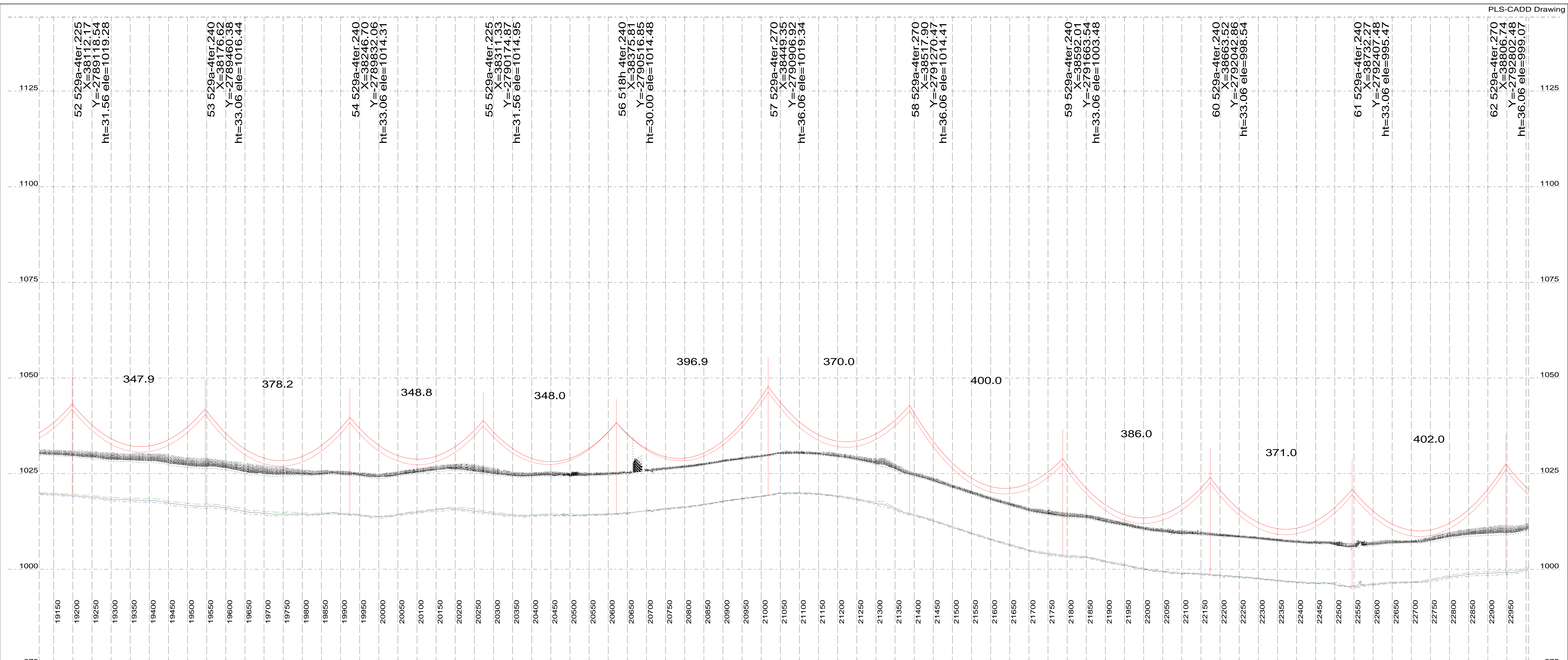
**Drawing No: PRELIM PROFILES**  
Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
Sheet 6/35

Engineer Line Design: B Nishuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



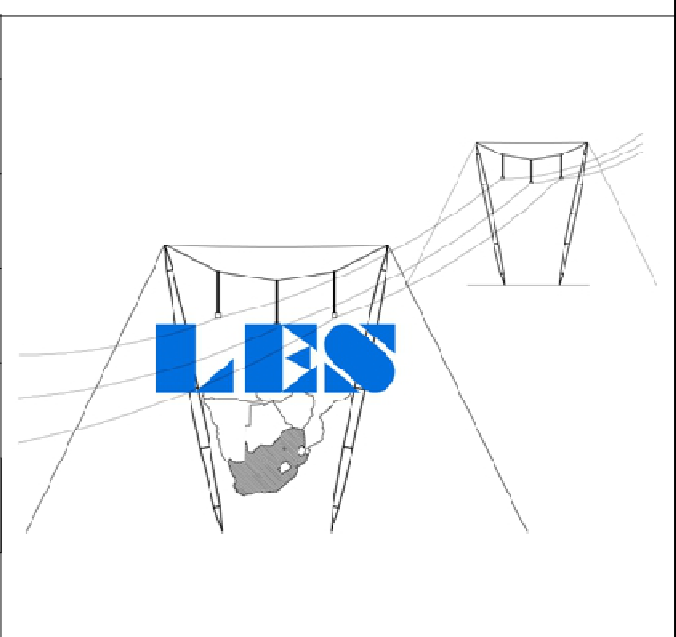


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 Revision Information: 0

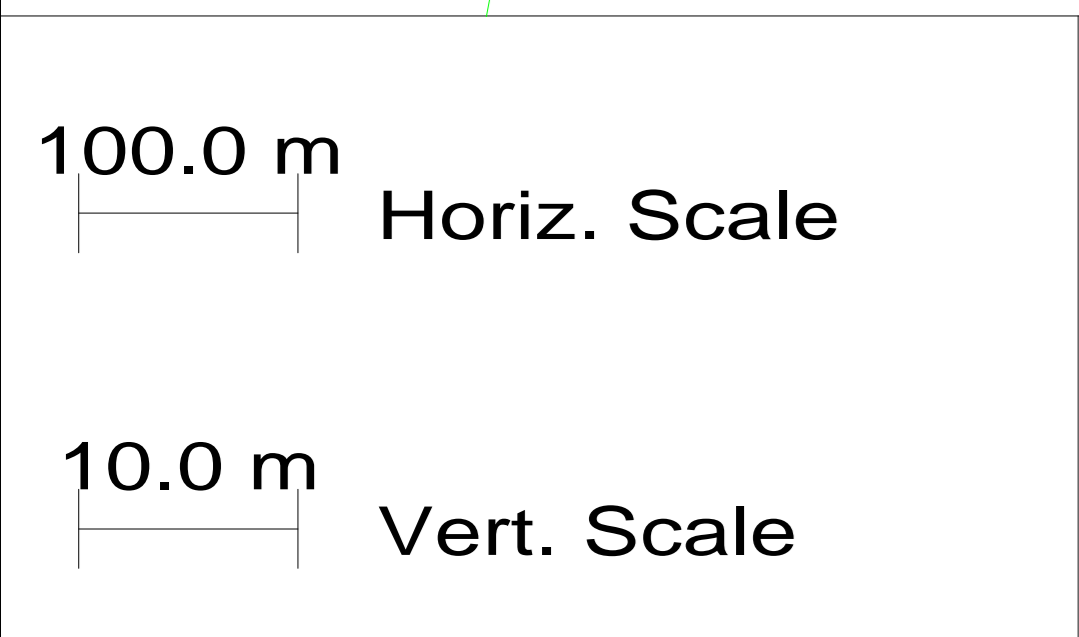
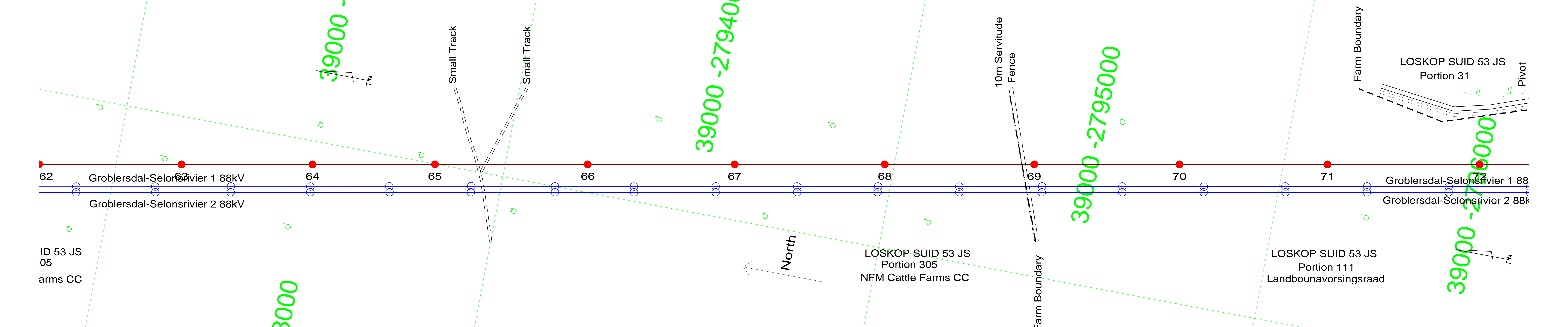
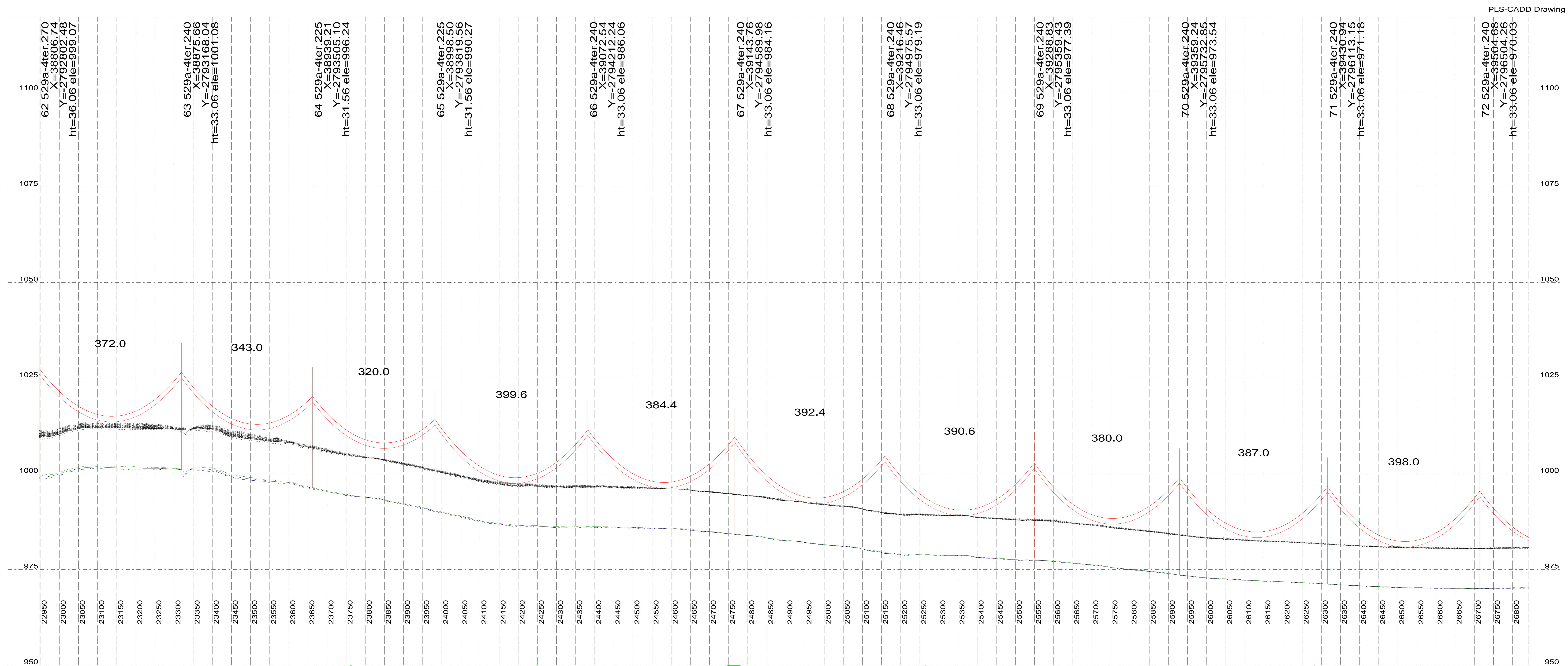
**Marblehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE:  
26 Sep 2013  
  
**Sheet 7/35**

Engineer Line Design: B Nishuntsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo





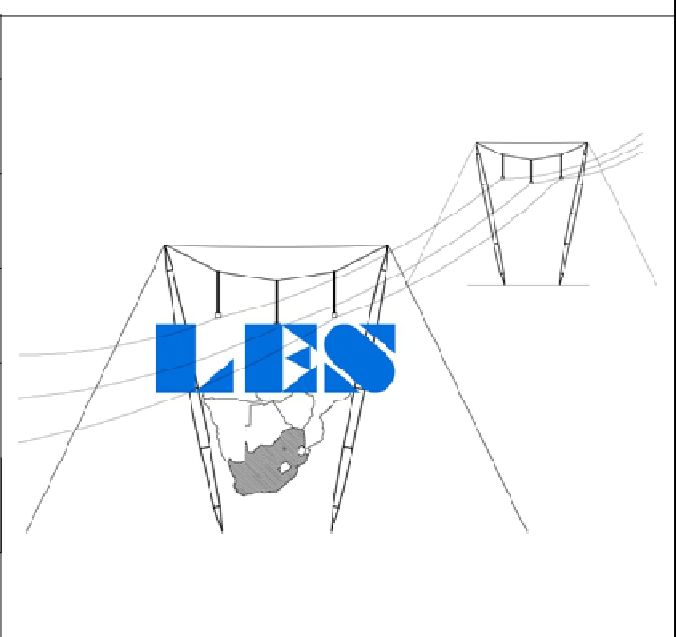


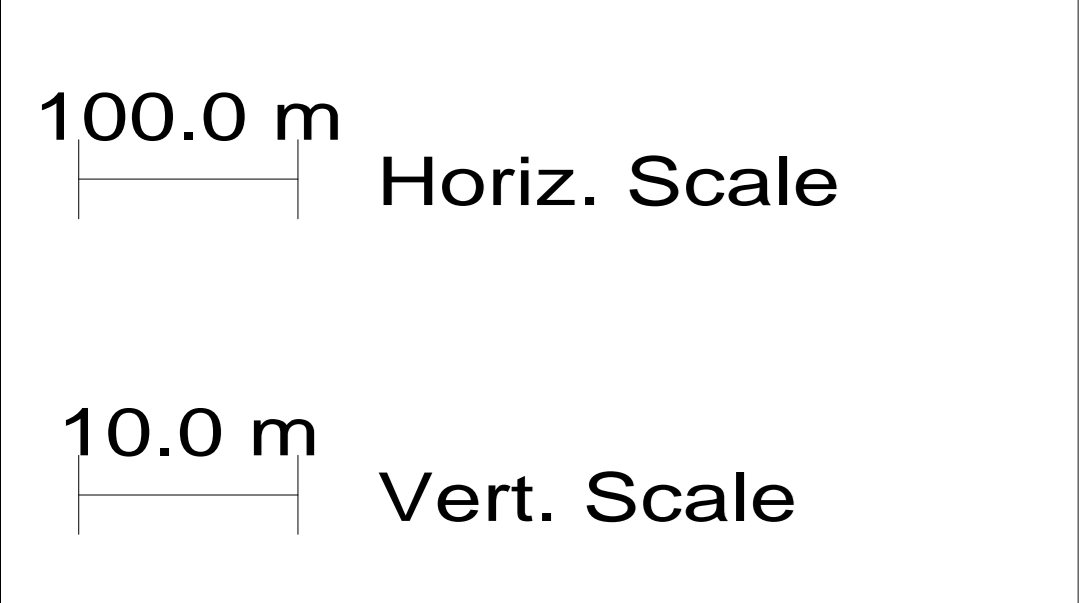
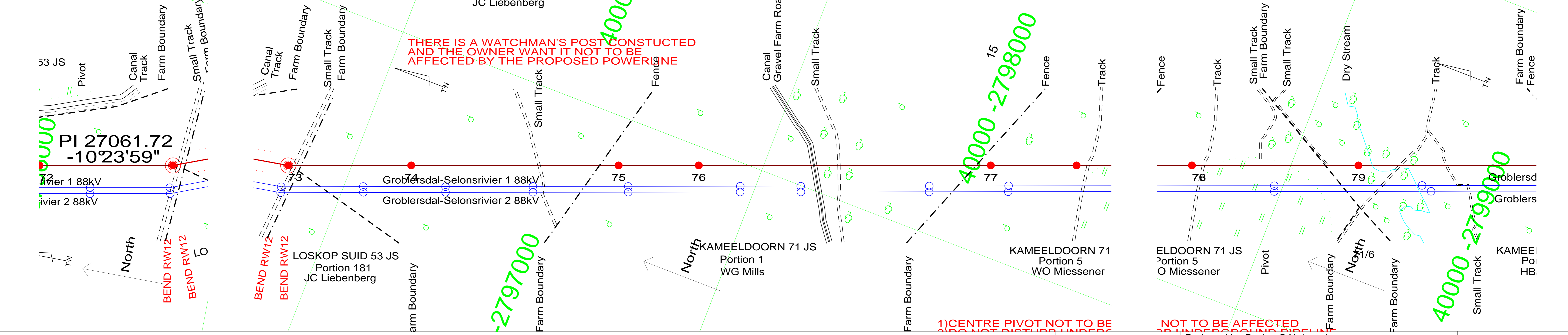
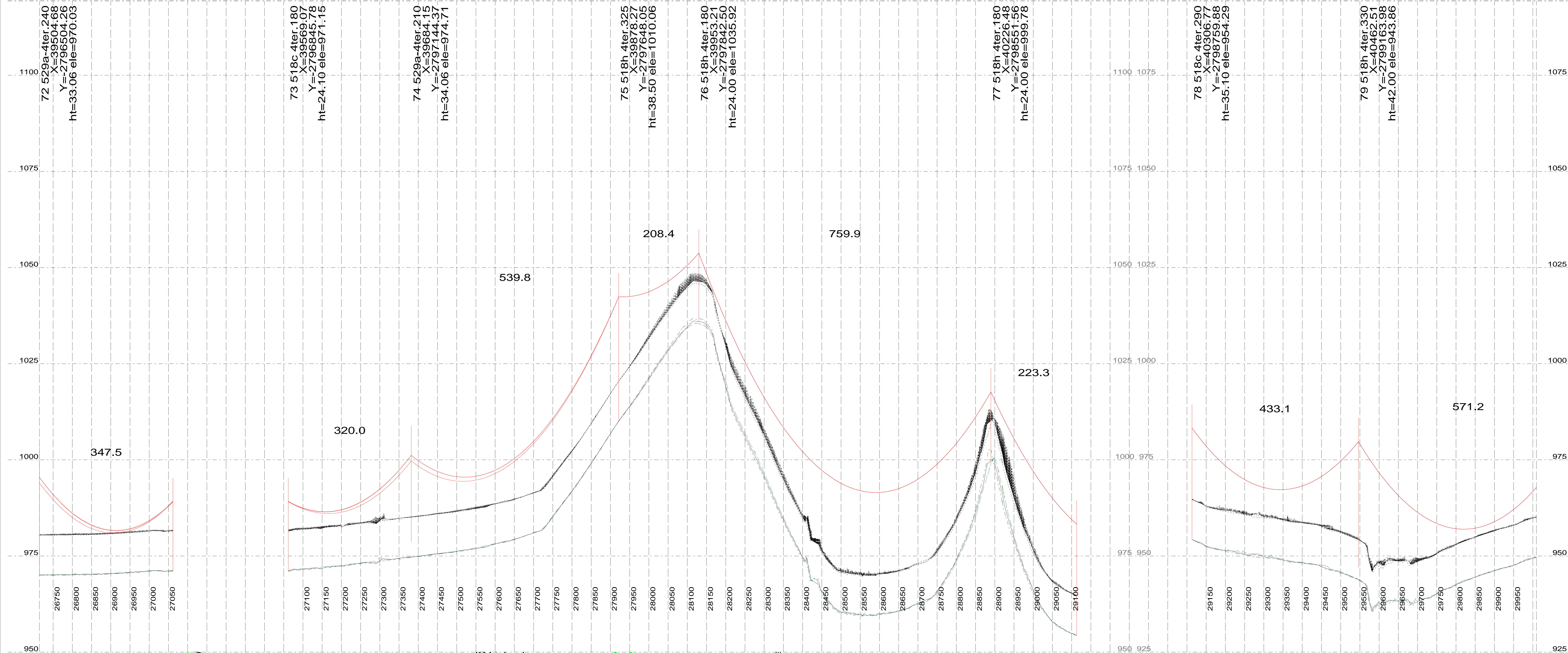
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Revision Information: 0

Marblehall Rockdale B 400kV Line  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE:  
26 Sep 2013  
Sheet 8/35

Engineer Line Design: B Ntshunsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



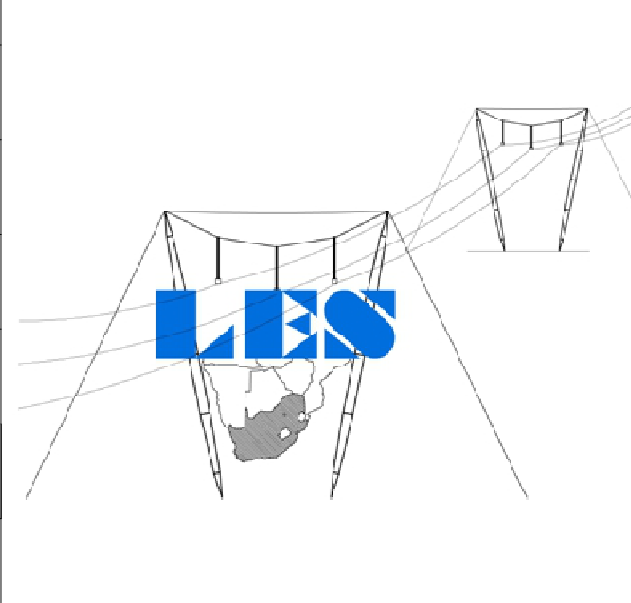


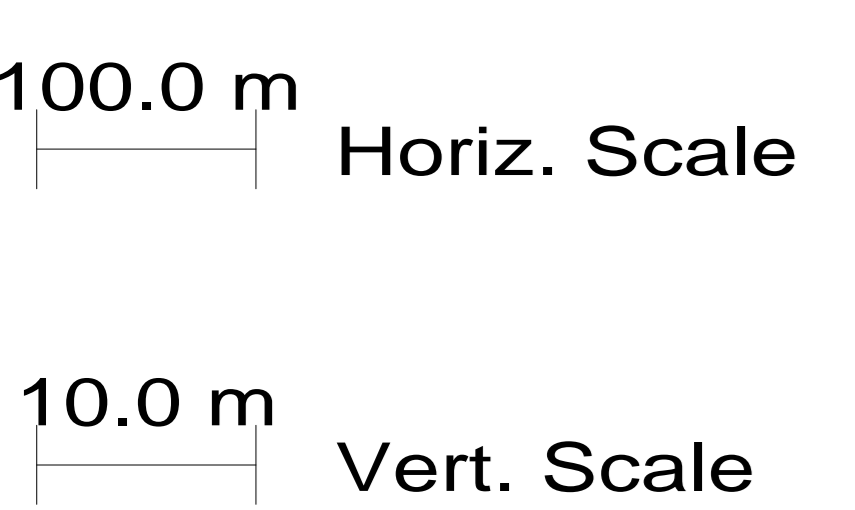
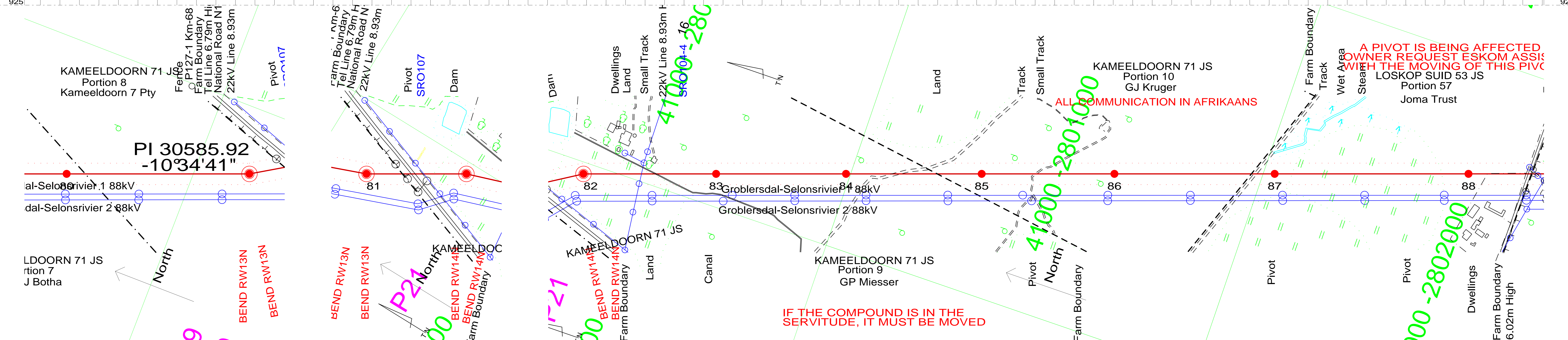
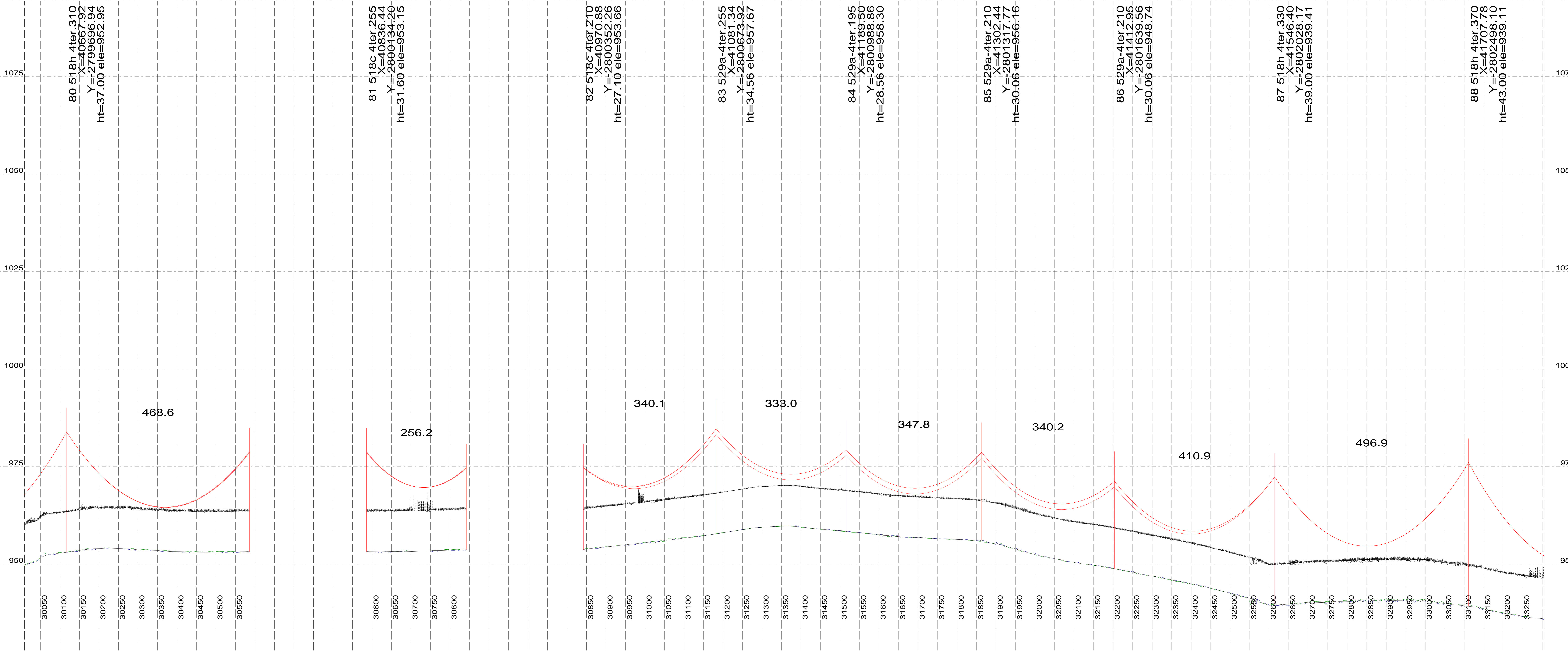
**Drawing No: PRELIM PROFILES**  
 Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
 Sheet 9/35

Engineer Line Design: B Ntshunsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo



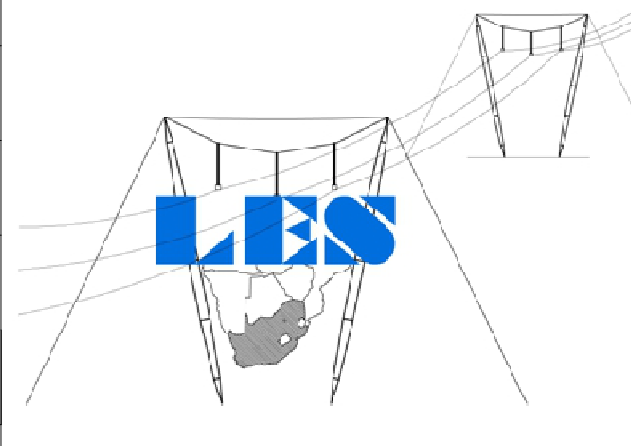


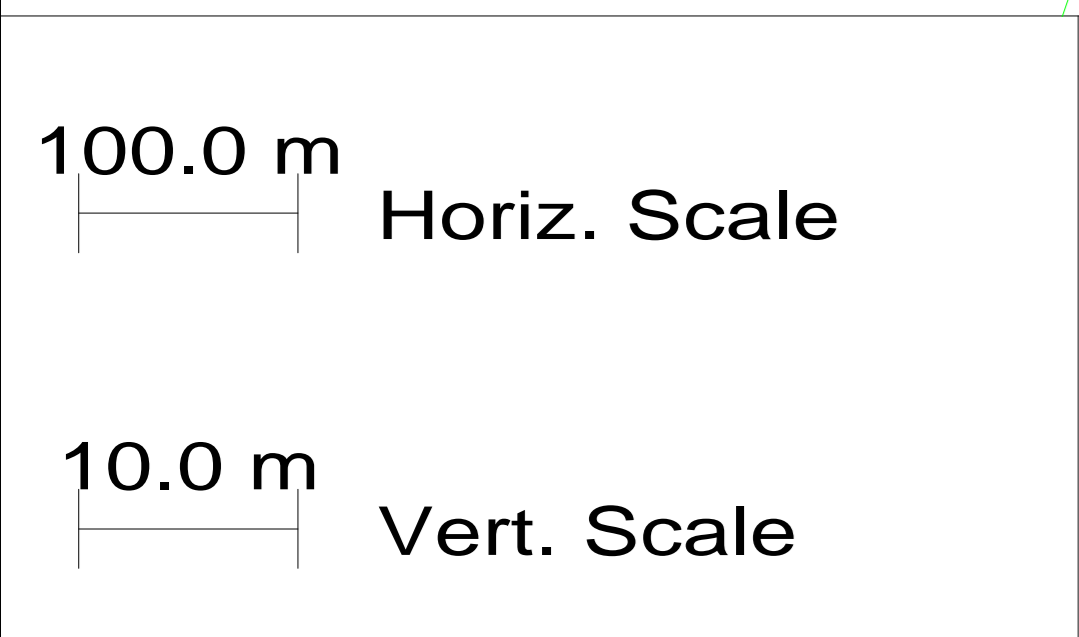
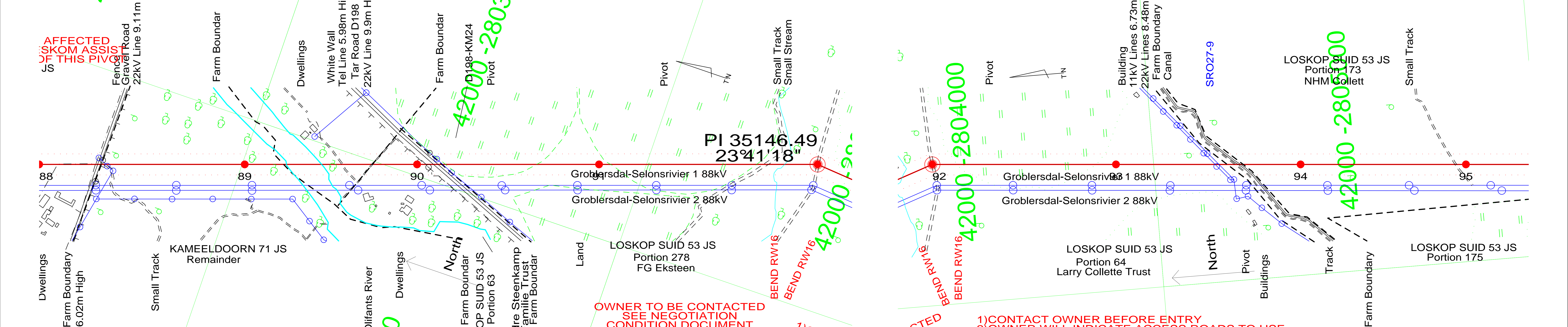
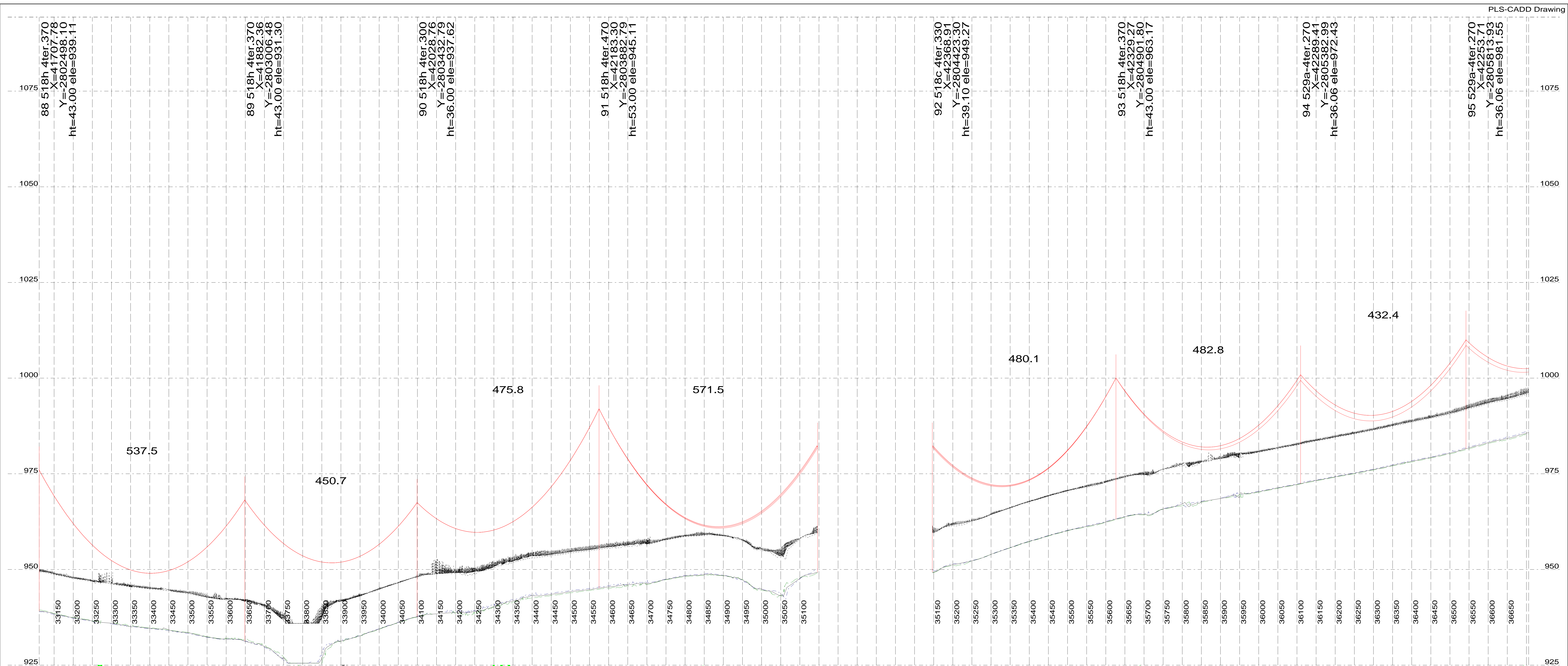
Drawing No: PRELIM PROFILES  
Revision Information: 0

Marblehall Rockdale B 400kV Line  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
Sheet 10/35

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



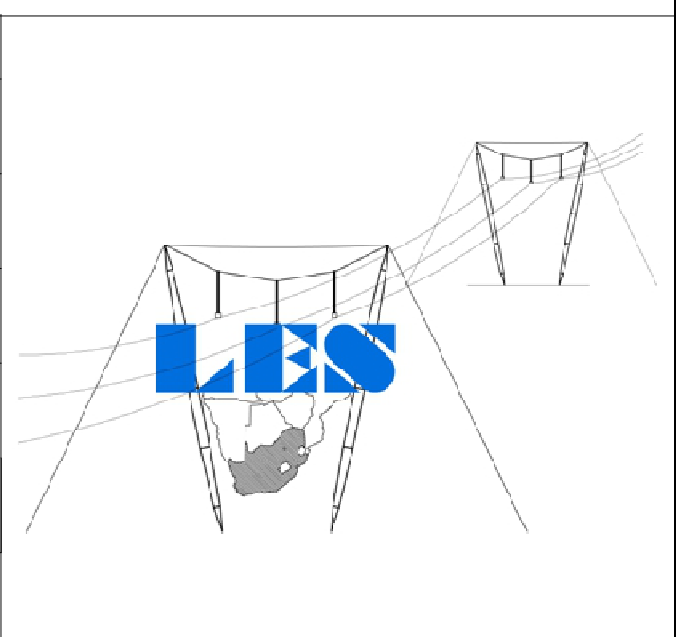


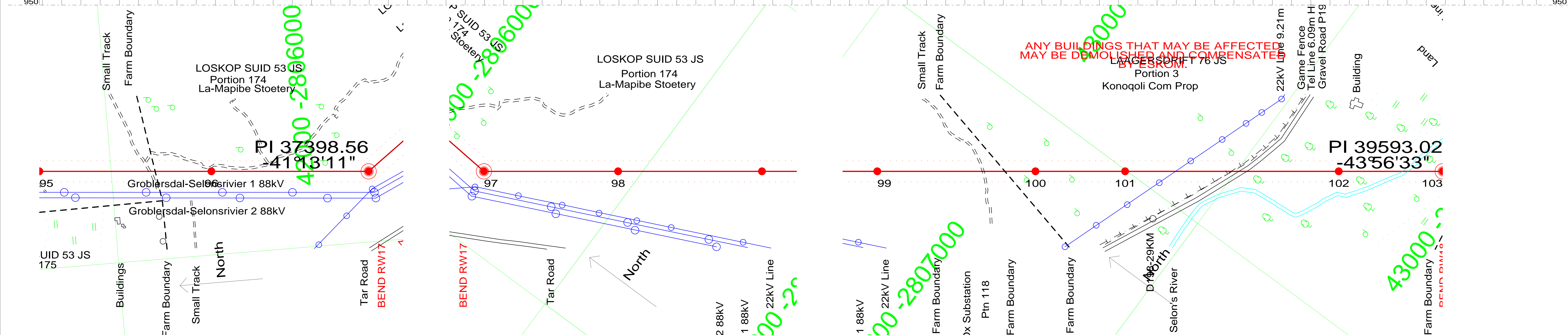
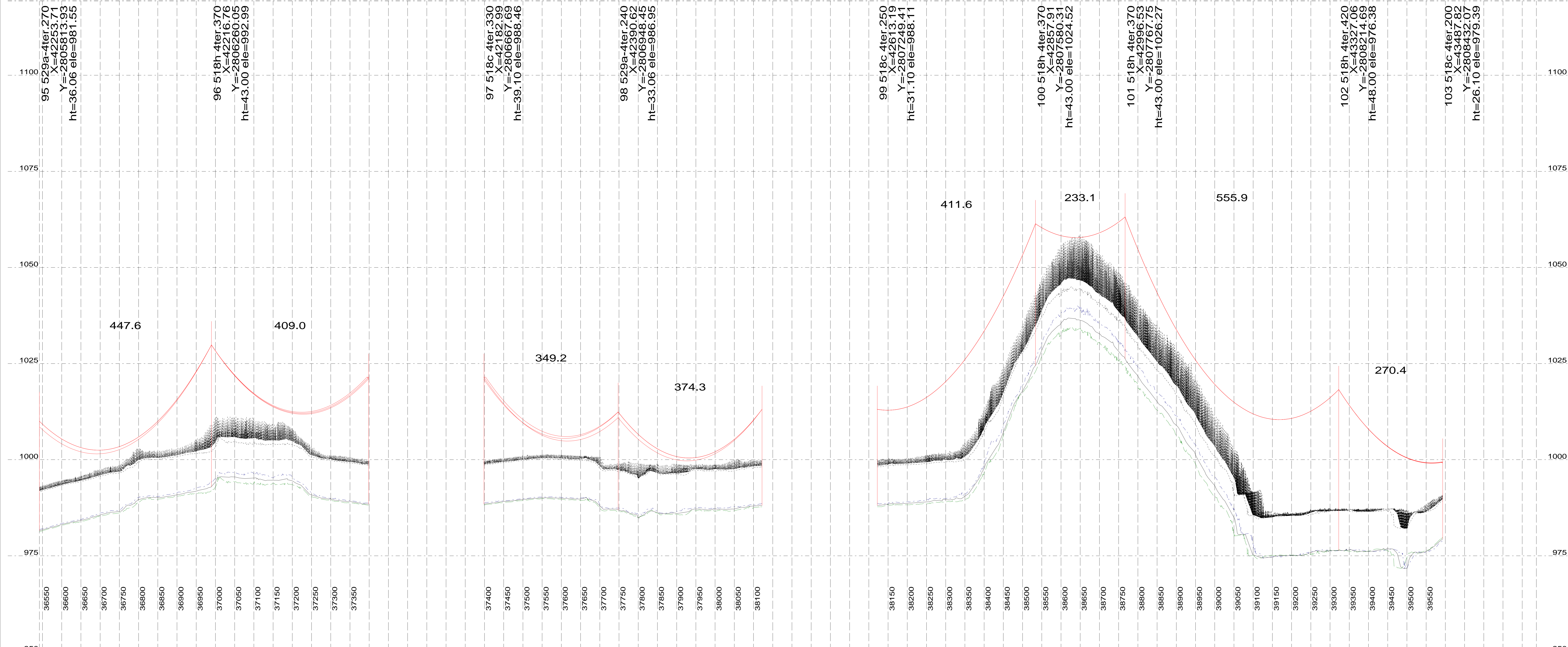
**Drawing No: PRELIM PROFILES**  
Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
Sheet 11/35

Engineer Line Design: B Ntshunsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo





100.0 m Horiz. Scale  
 10.0 m Vert. Scale

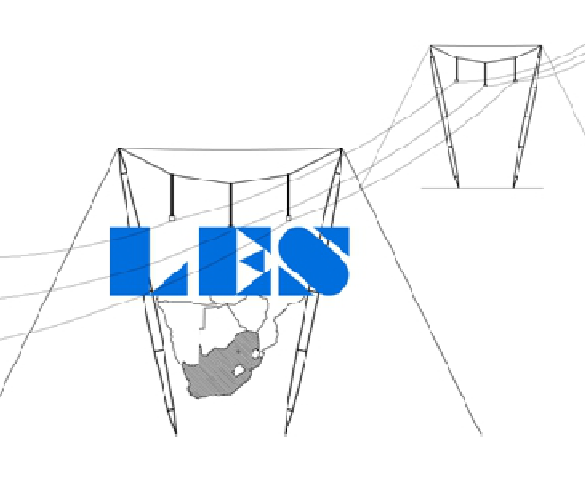


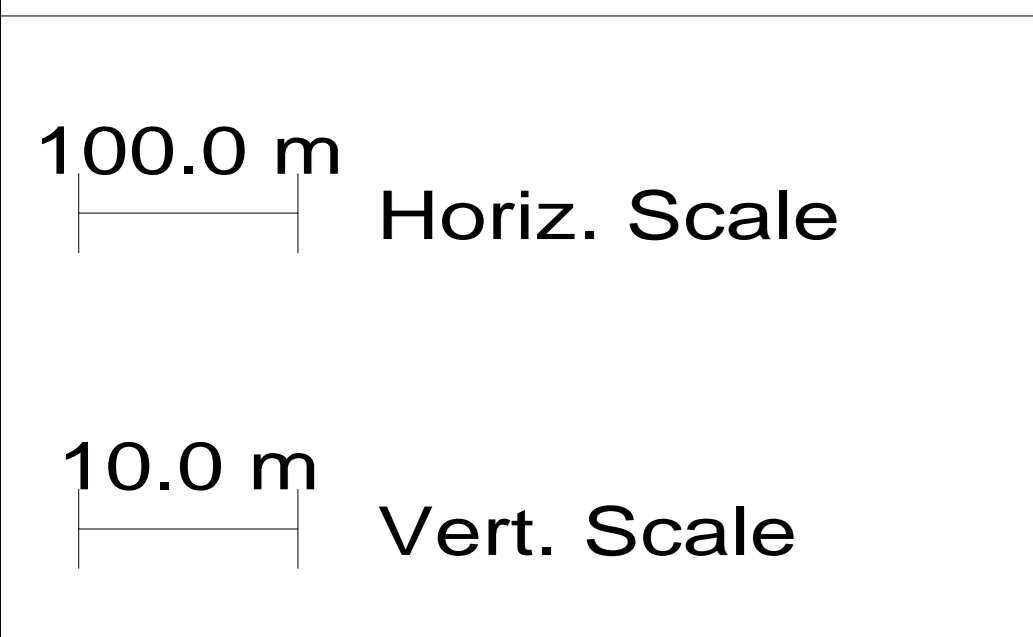
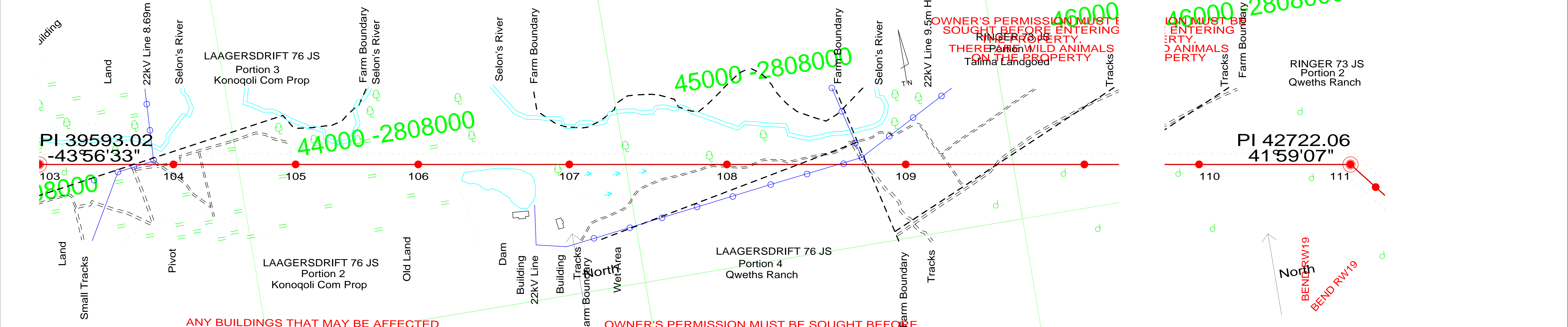
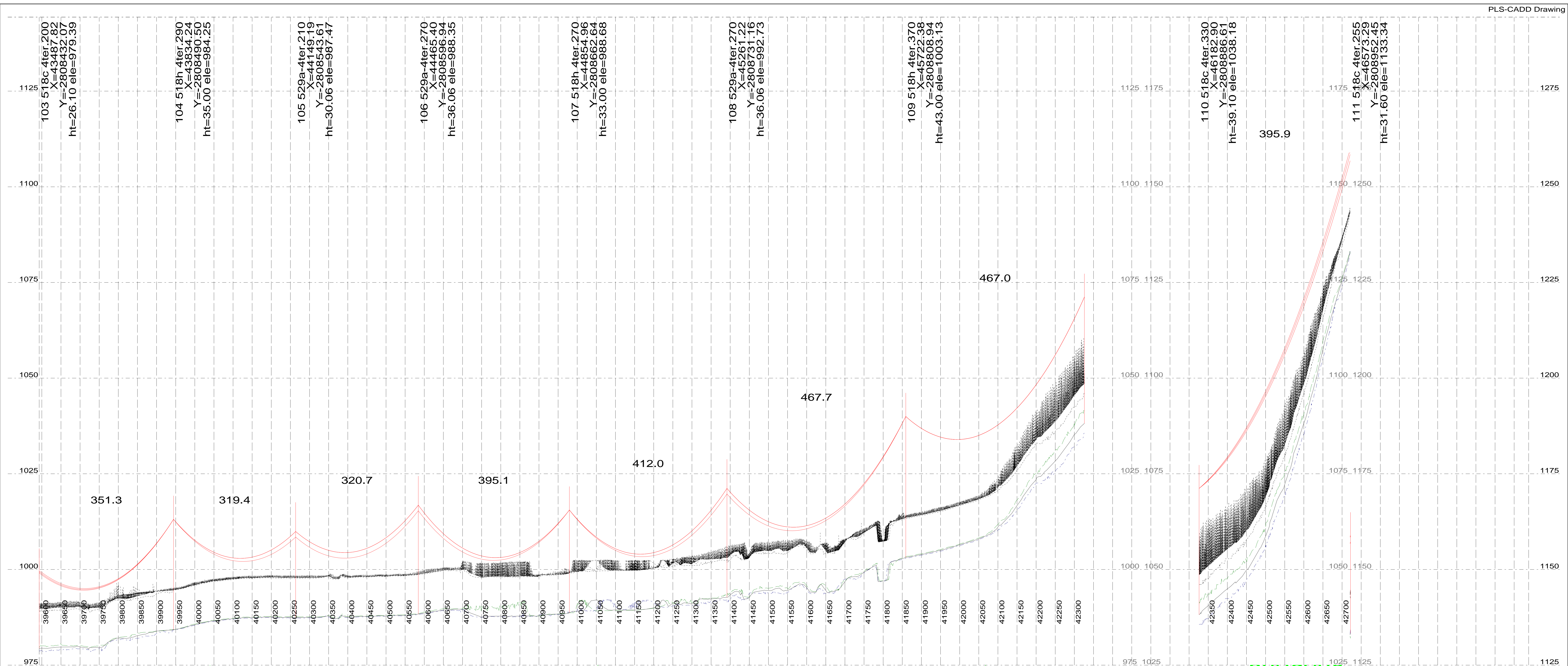
**Drawing No: PRELIM PROFILES**  
 Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE:  
 26 Sep 2013  
**Sheet 12/35**

Engineer Line Design: B Ntshuntsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo



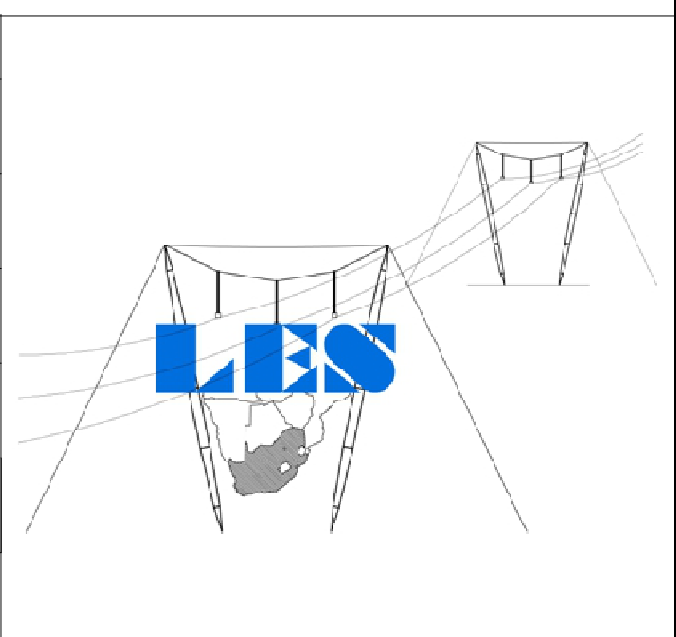


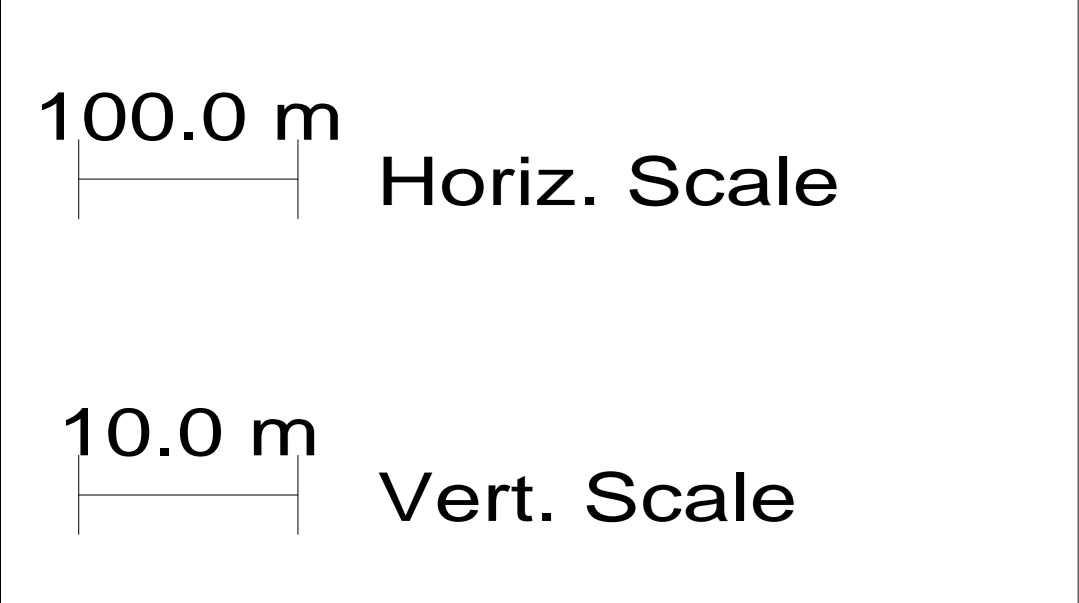
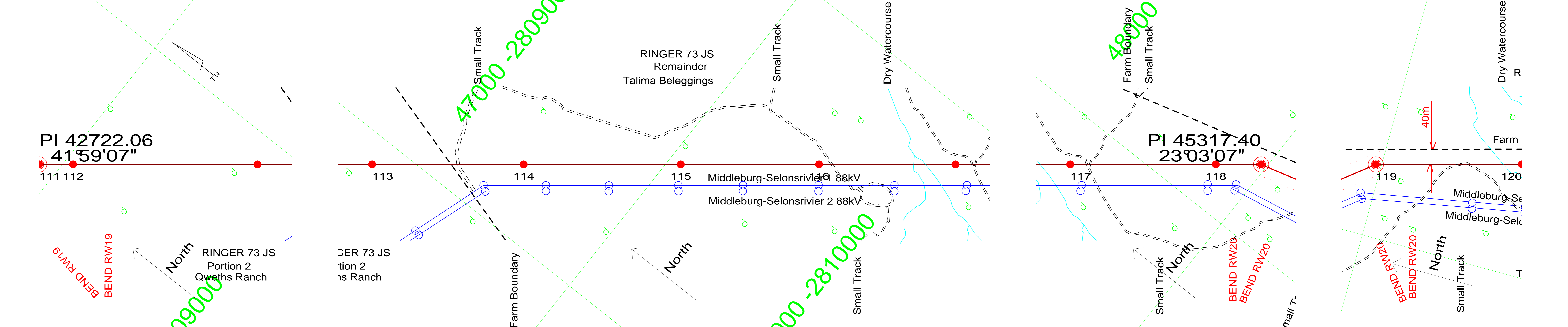
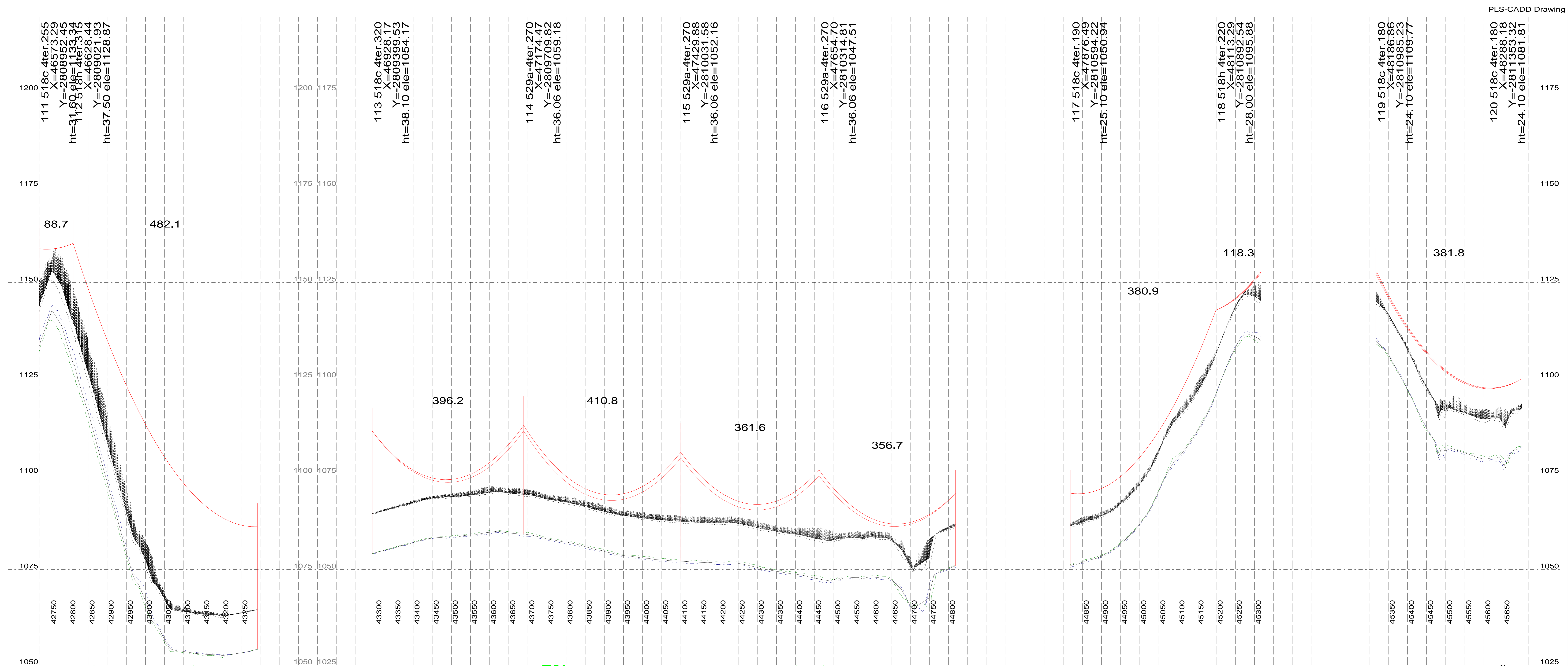
**Drawing No: PRELIM PROFILES**  
 Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE:  
 26 Sep 2013  
 Sheet 13/35

Engineer Line Design: B Ntshunsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo



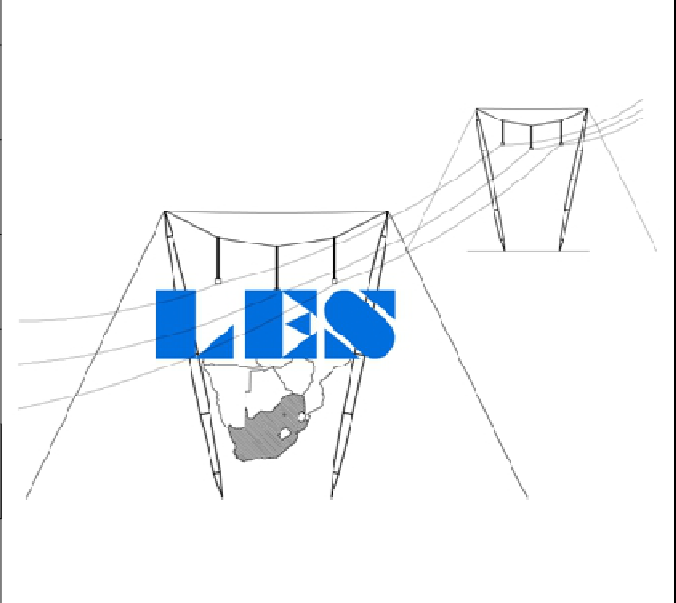


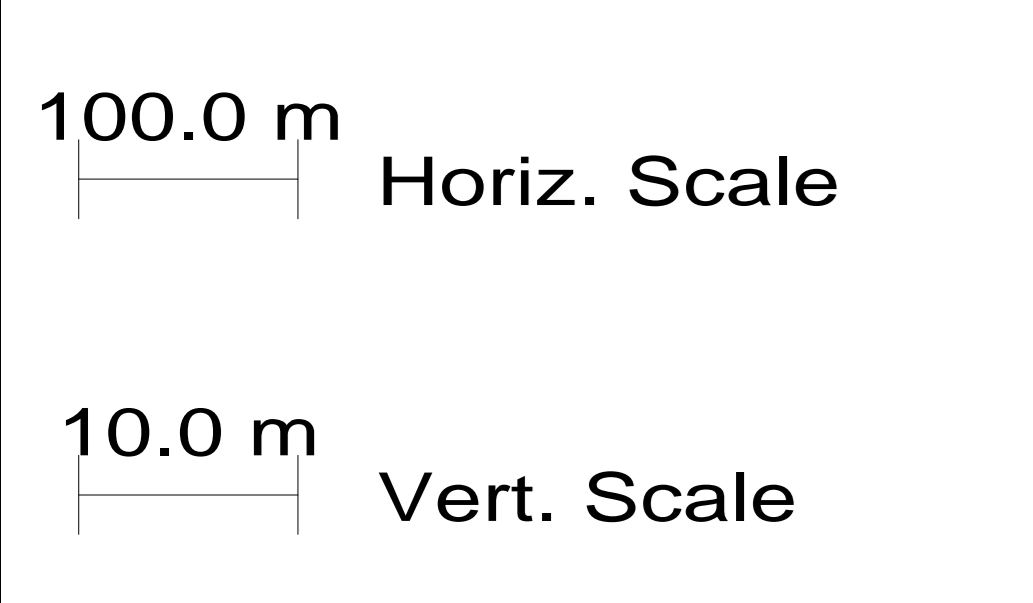
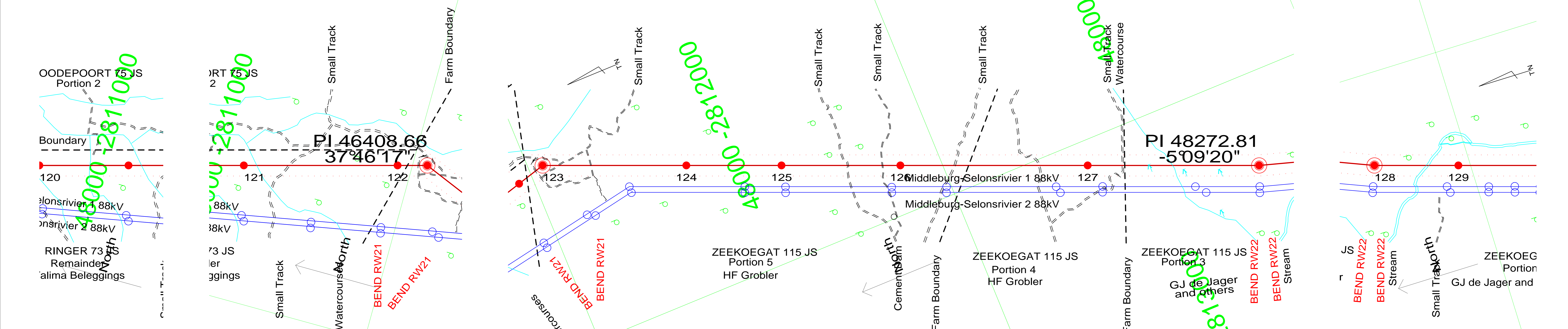
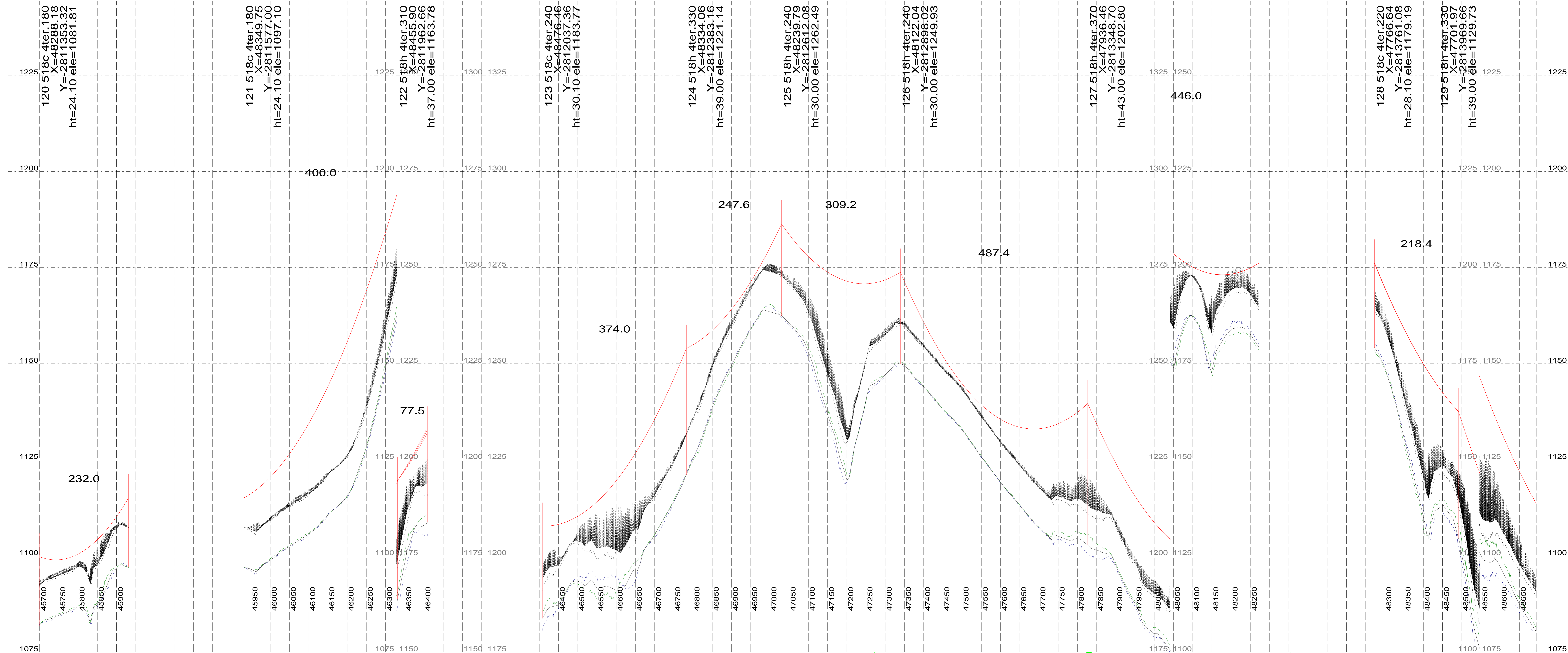
**Drawing No: PRELIM PROFILES**  
 Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE:  
 26 Sep 2013  
 Sheet 14/35

Engineer Line Design: B Ntshutsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo



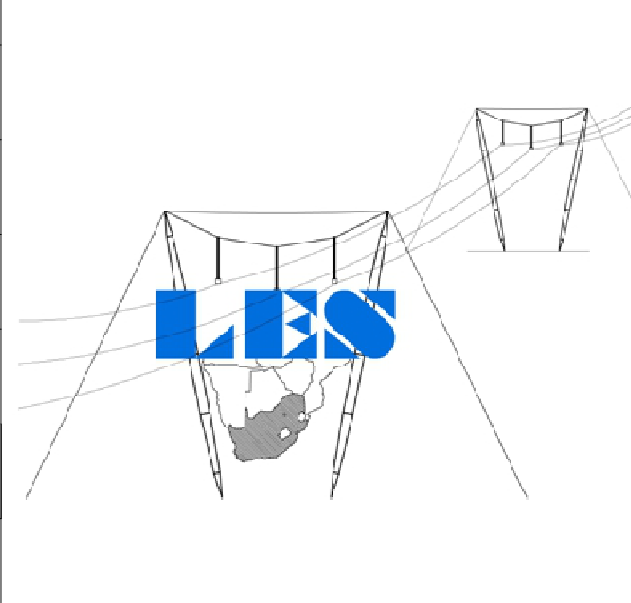


**Drawing No: PRELIM PROFILES**  
 Revision Information: 0

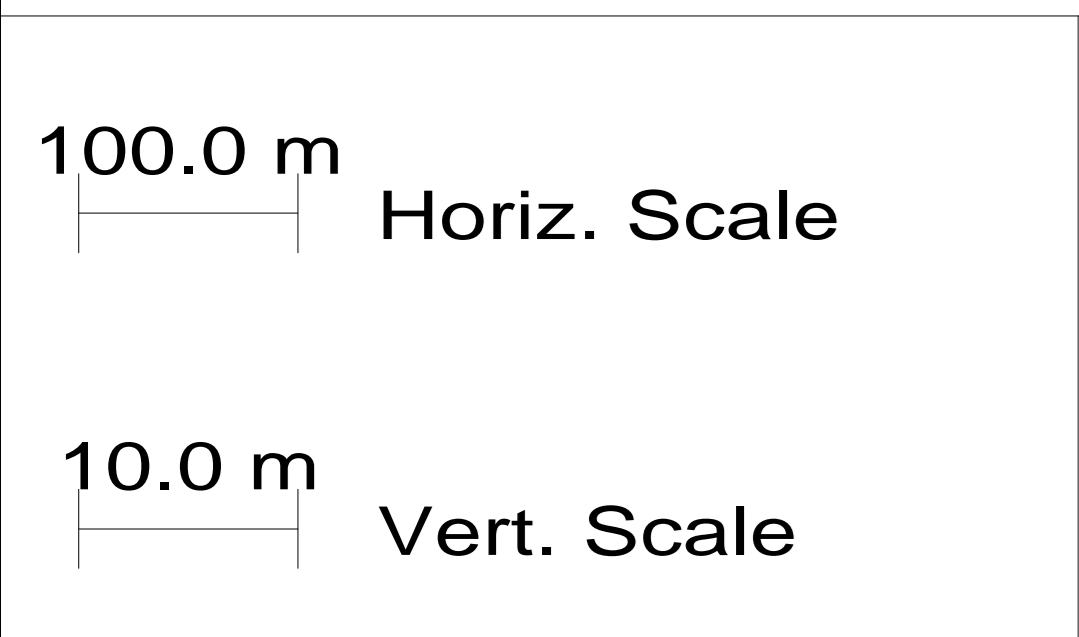
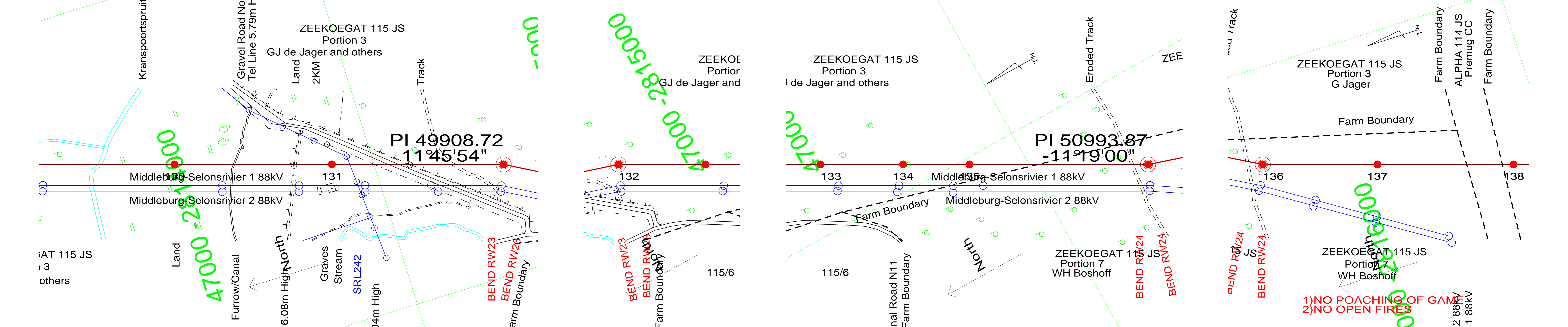
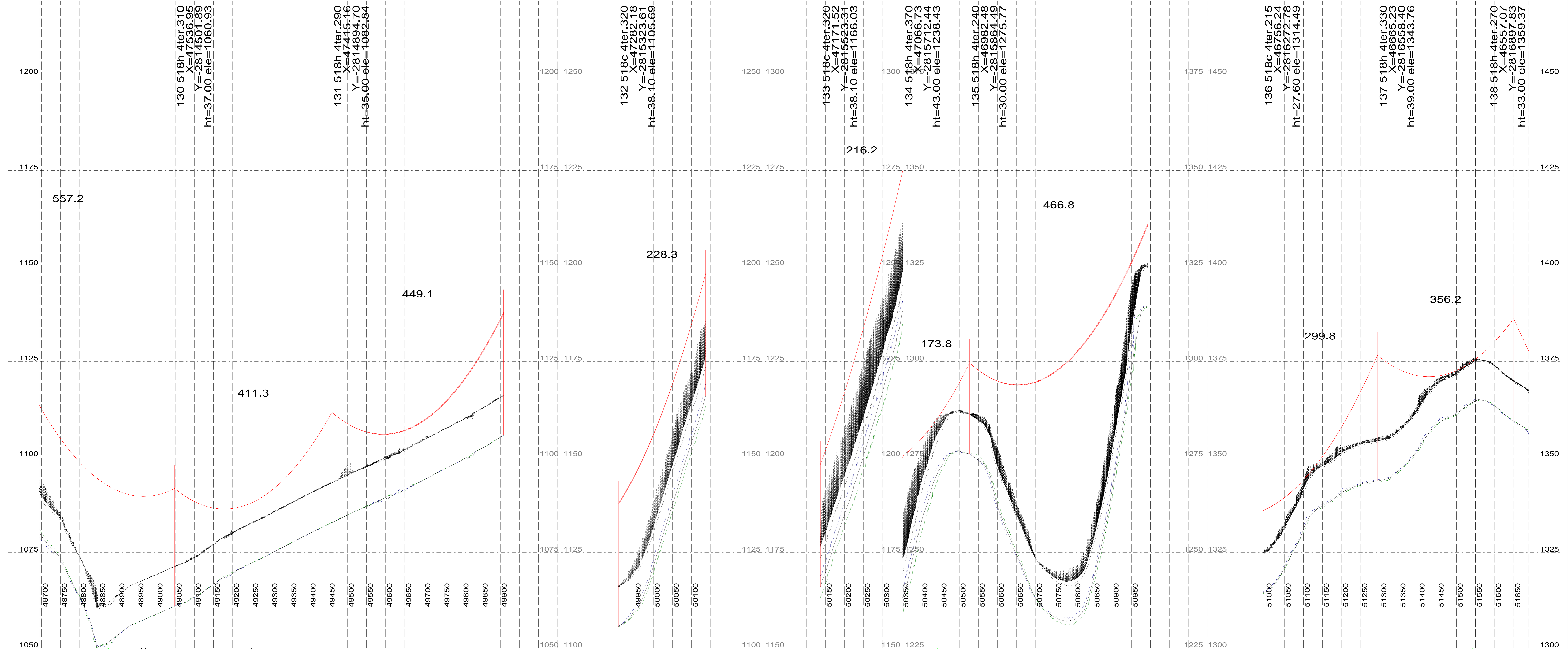
**Marblehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
 Sheet 15/35

Engineer Line Design: B Ntshuntsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo





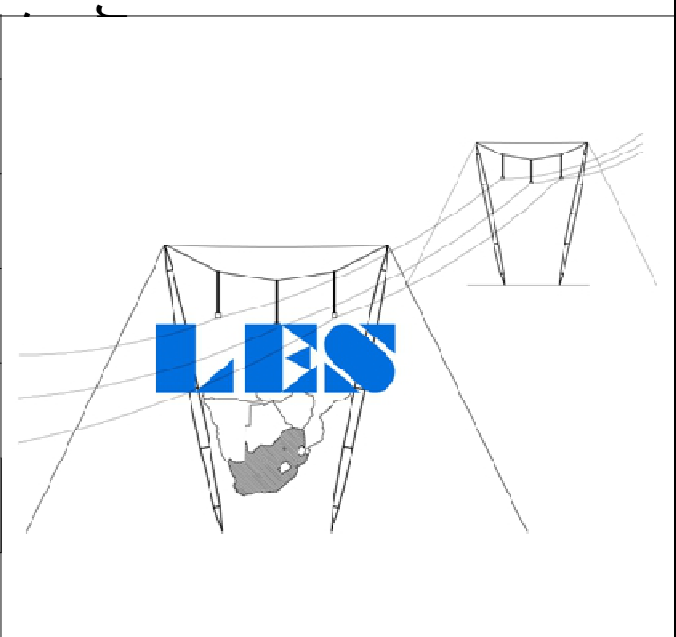


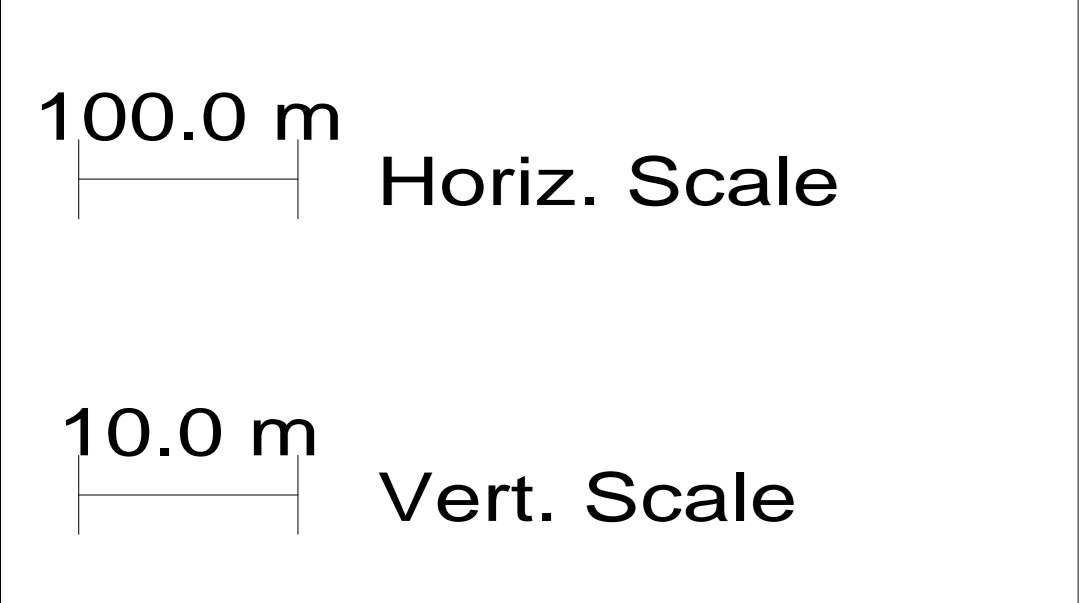
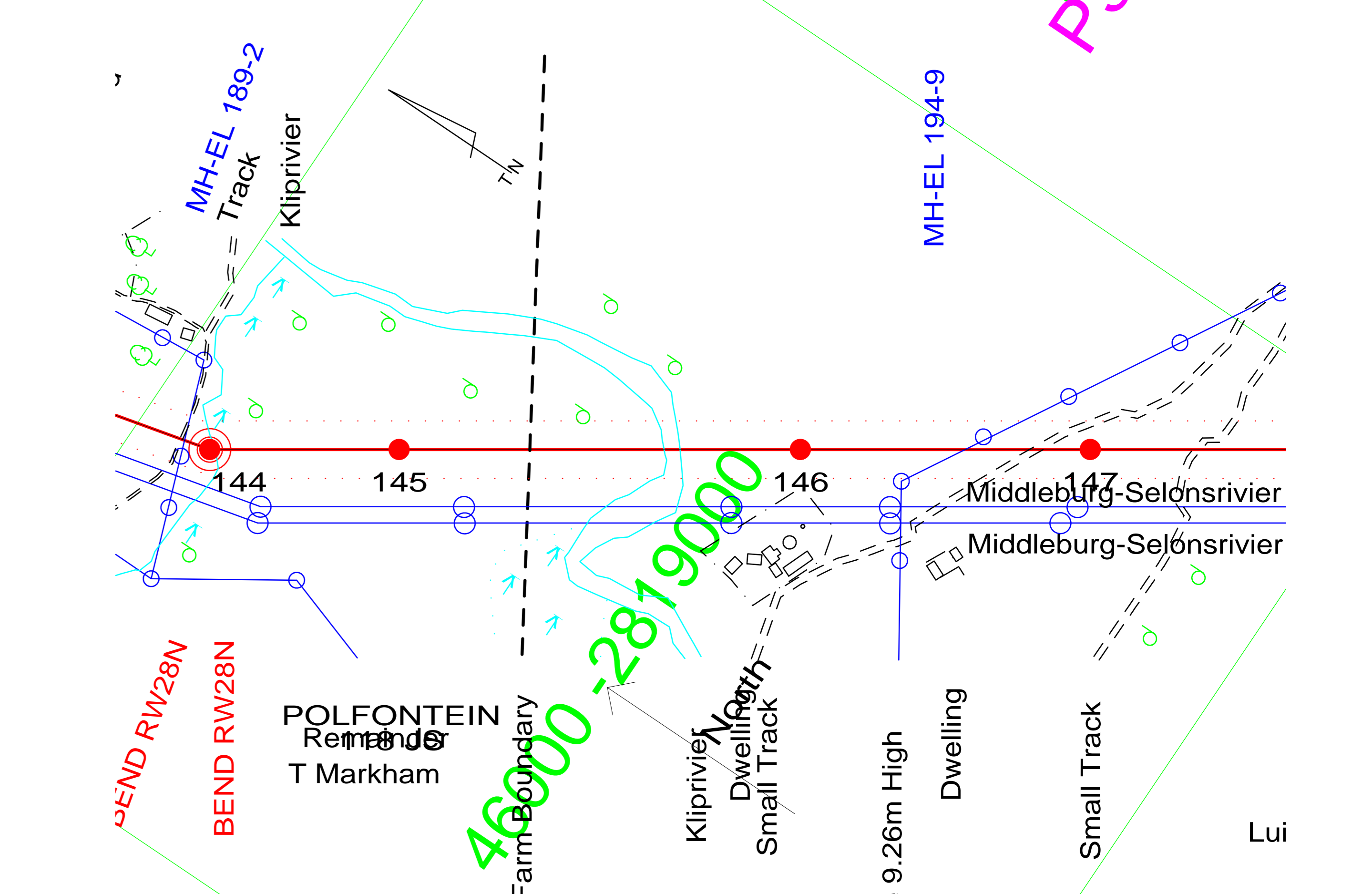
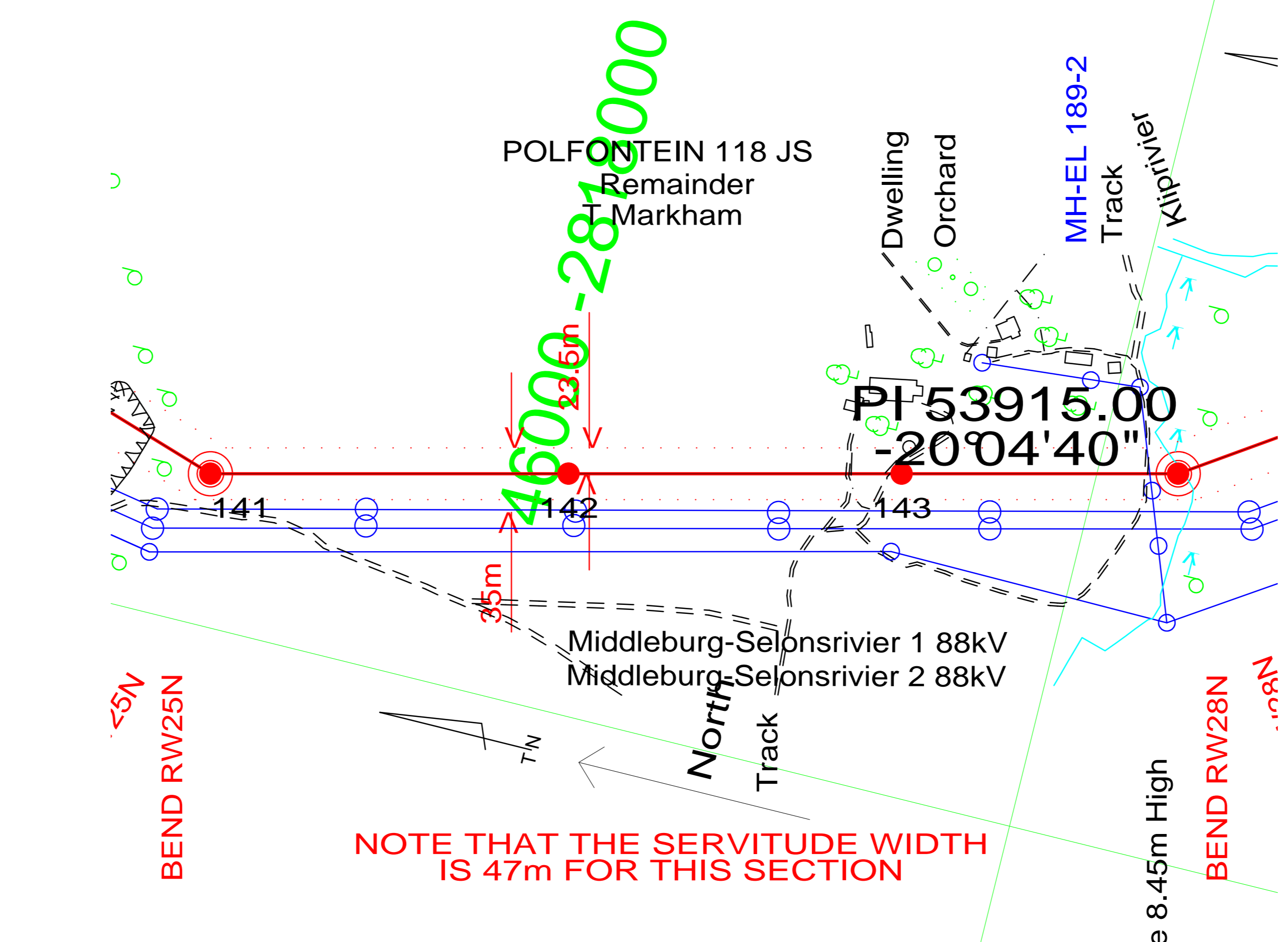
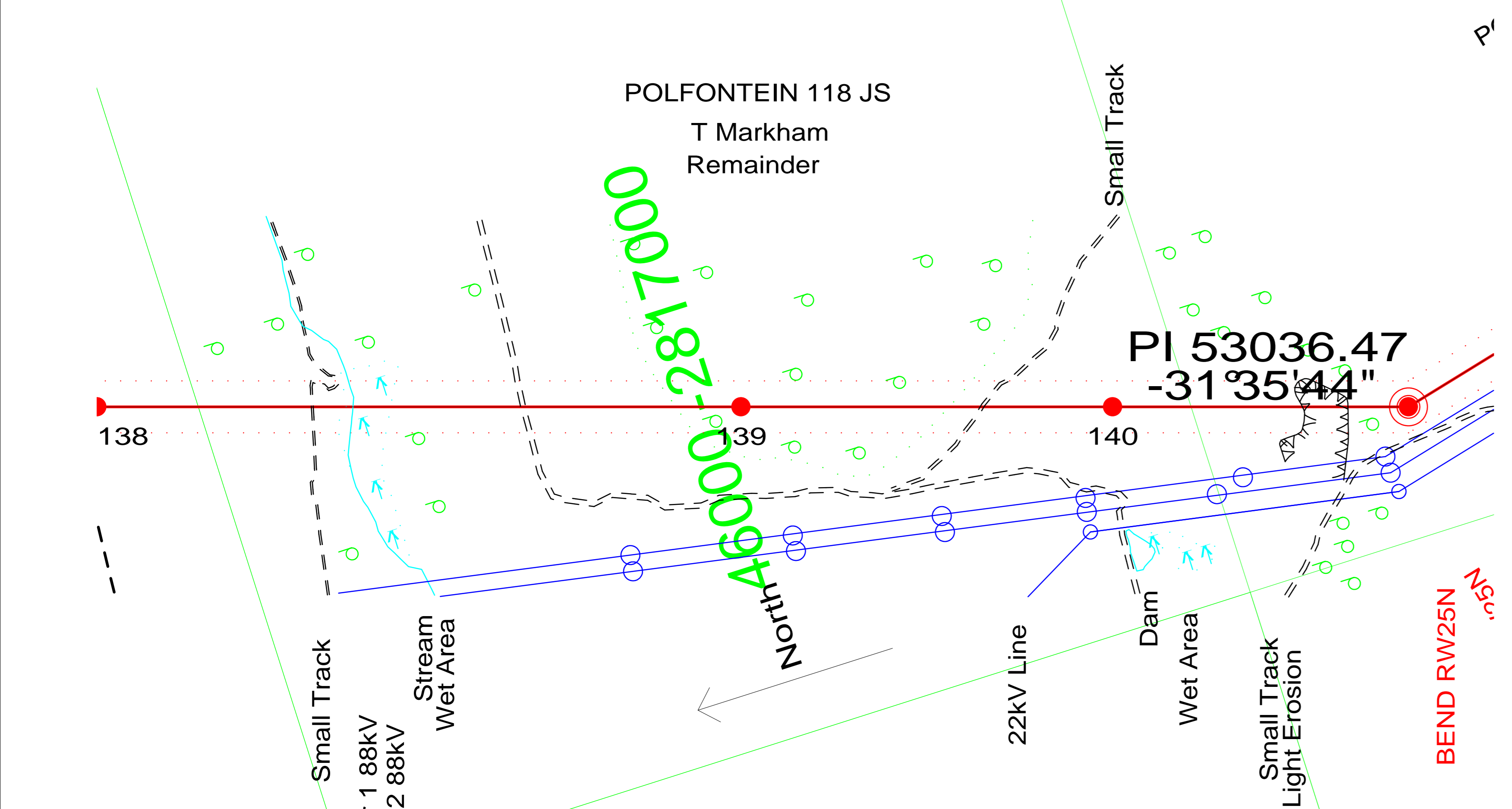
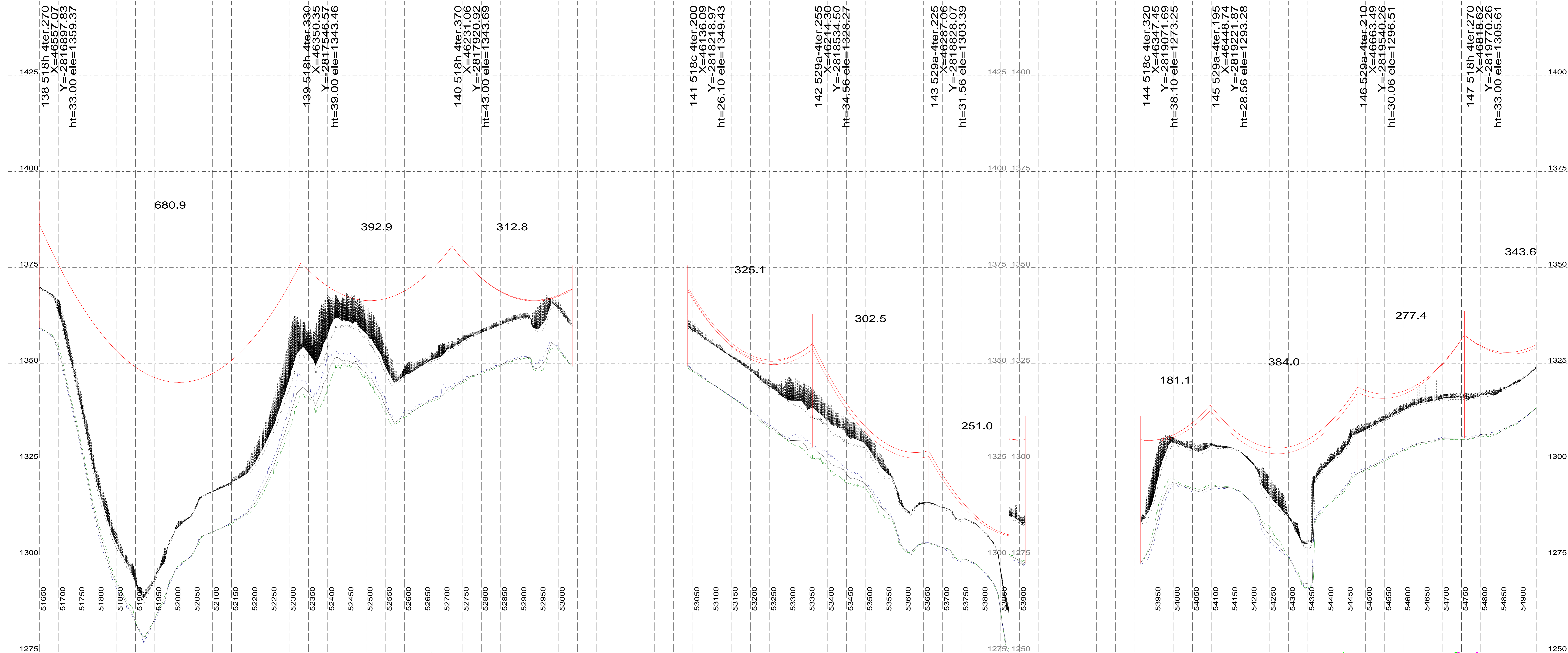
**Drawing No: PRELIM PROFILES**  
Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
Sheet 16/35

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



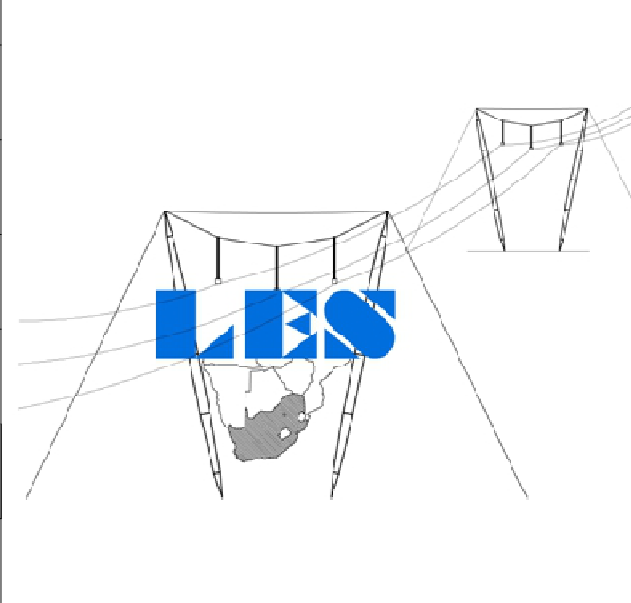


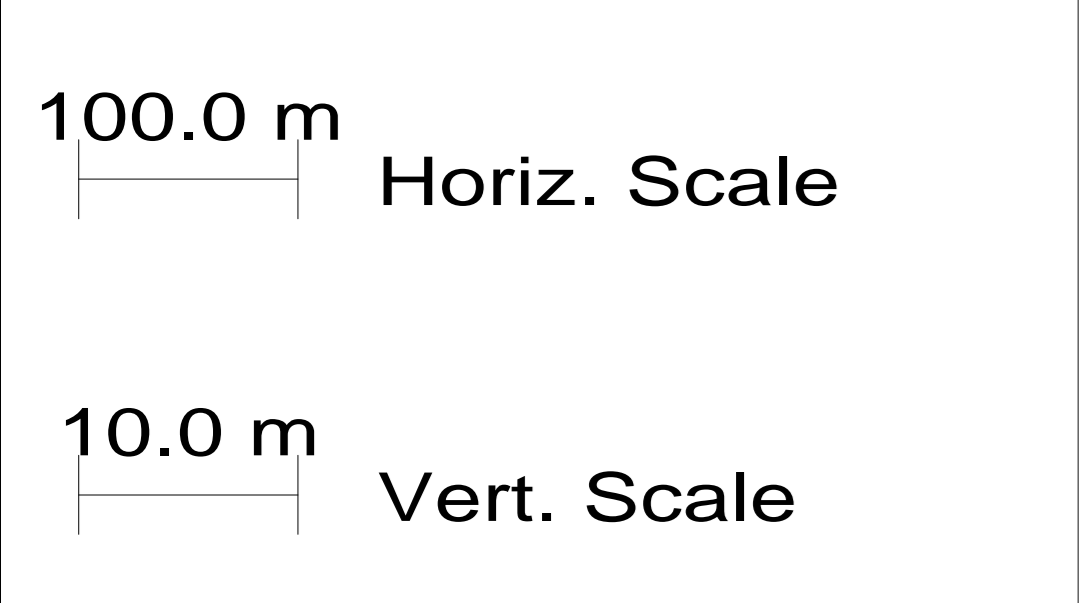
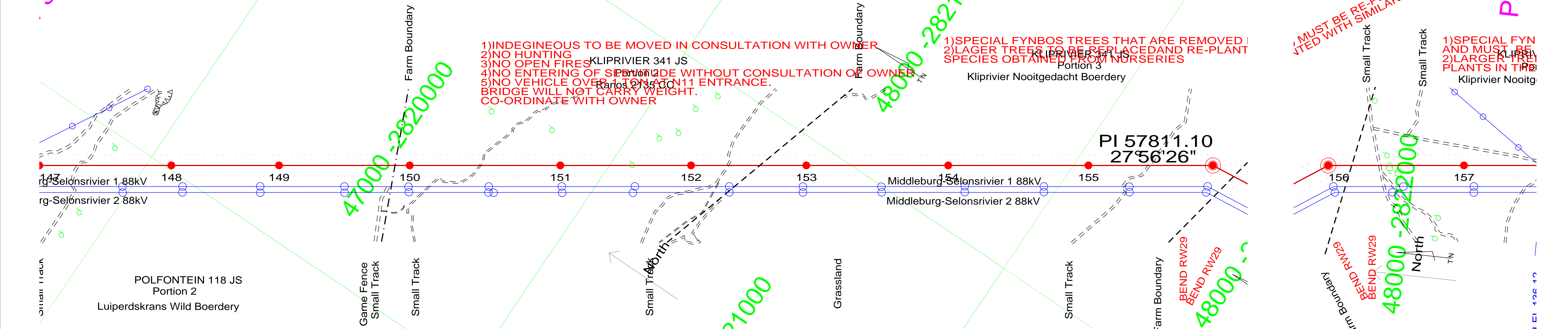
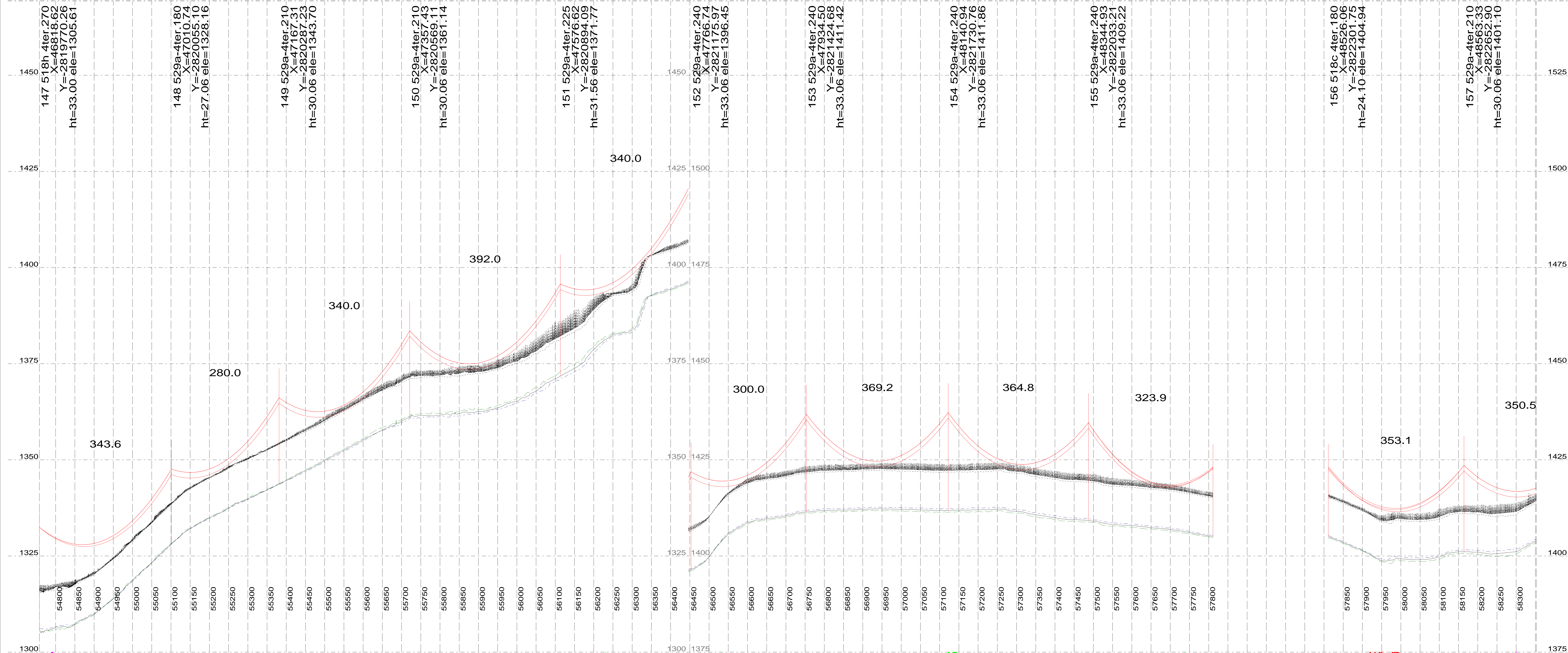
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 Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE:  
 26 Sep 2013  
 Sheet 17/35

Engineer Line Design: B Ntshuntsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo





**Drawing No: PRELIM PROFILES**  
 Revision Information: 0

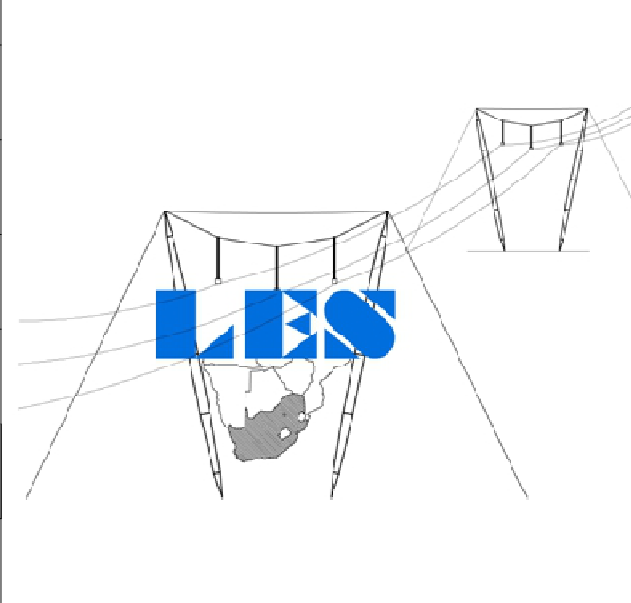
**Marblehall Rockdale B 400kV Line**

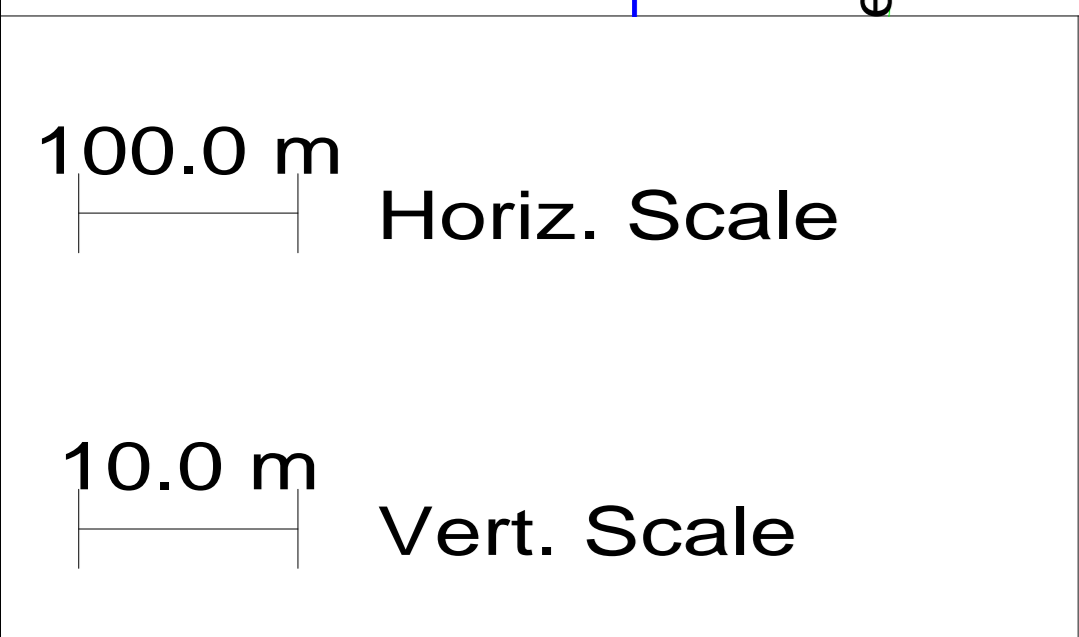
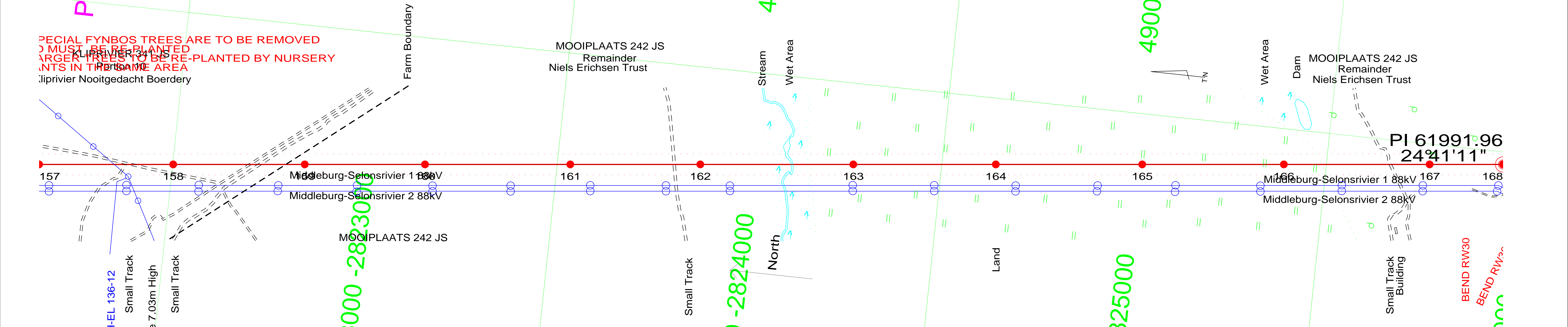
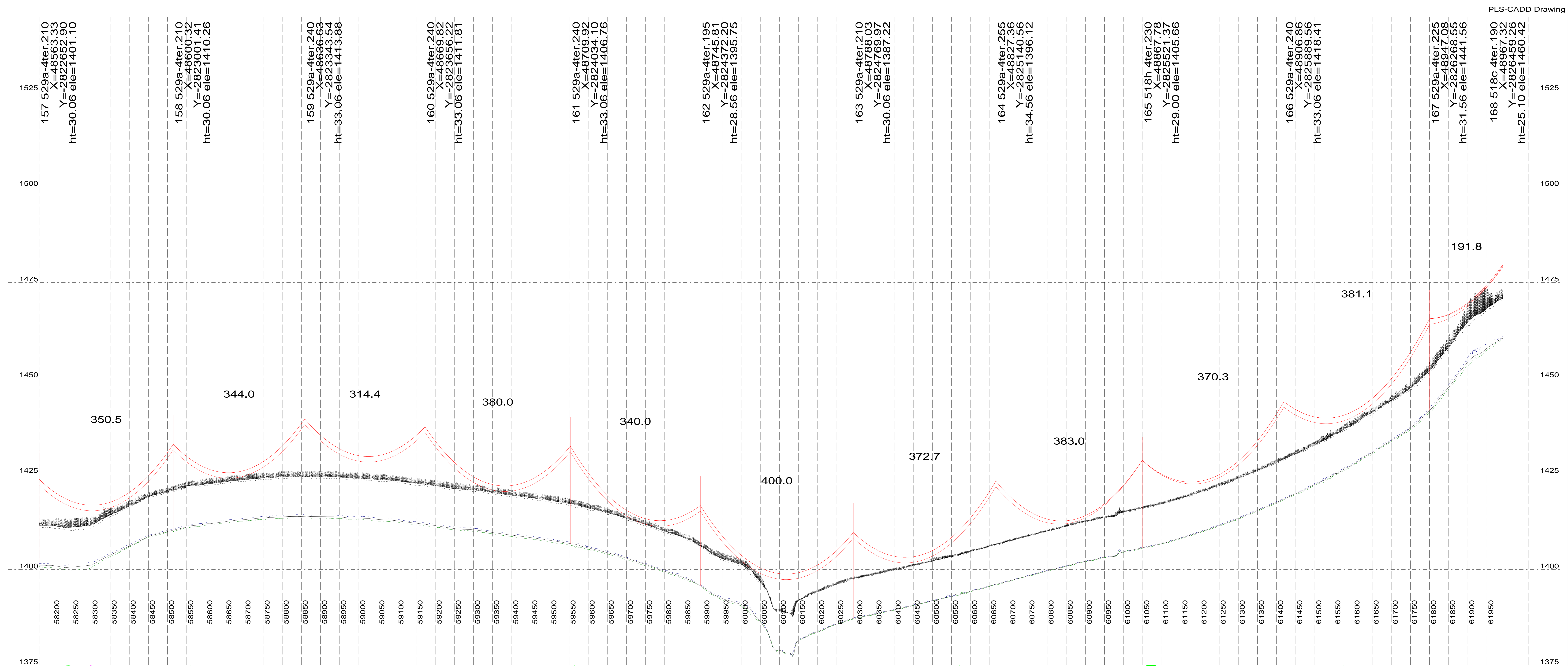
Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE:  
 26 Sep 2013

Sheet 18/35

Engineer Line Design: B Ntshuntsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo





**Drawing No: PRELIM PROFILES**

Revision Information: 0

**Marblehall Rockdale B 400kV Line**

Structure Family: 529A and 518 SERIES

Conductor: 3 x IEC 560

Templating Temperature: 60 Degrees

DATE: 26 Sep 2013

Sheet 19/35

Engineer Line Design: B Ntshunsha

Senior Environmental Advisor:

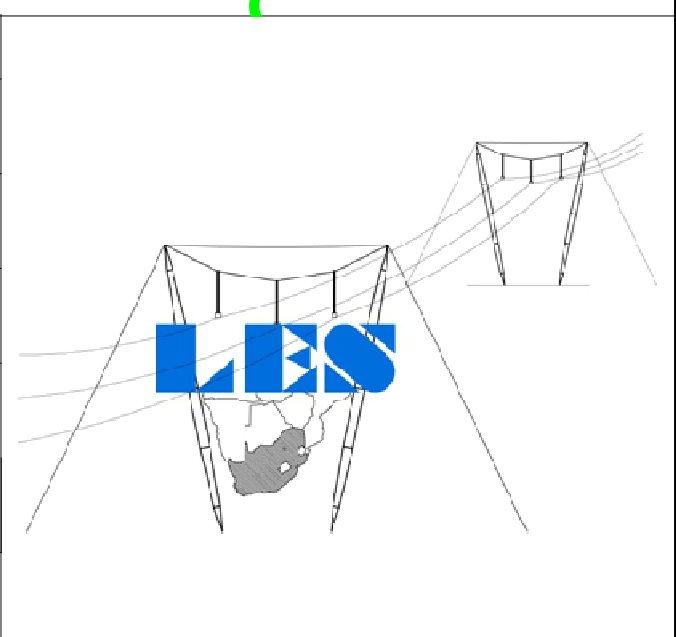
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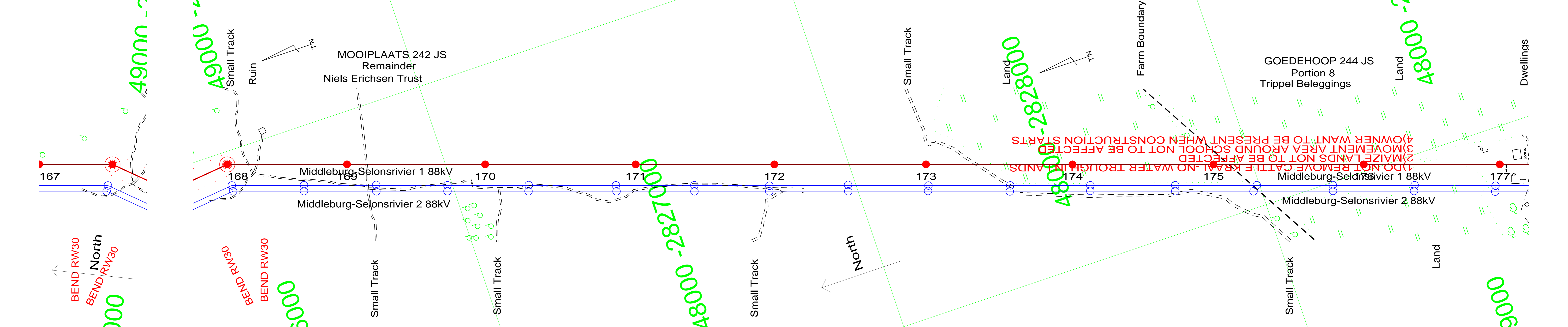
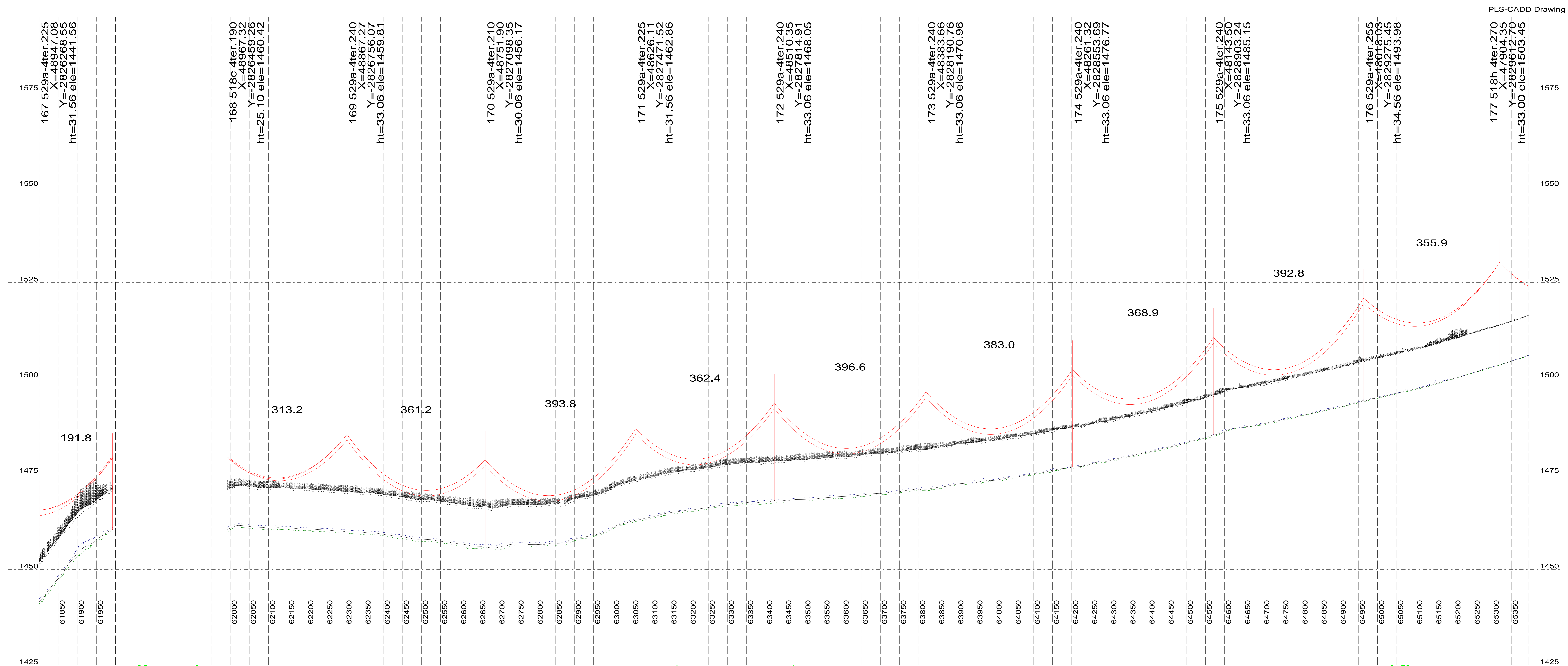
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Survey:

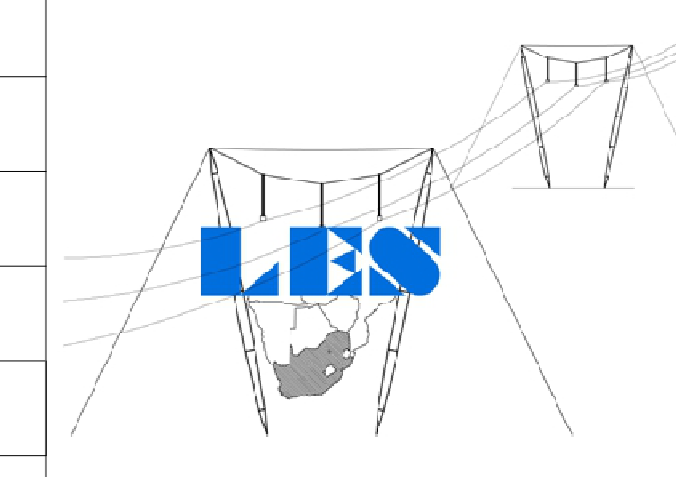
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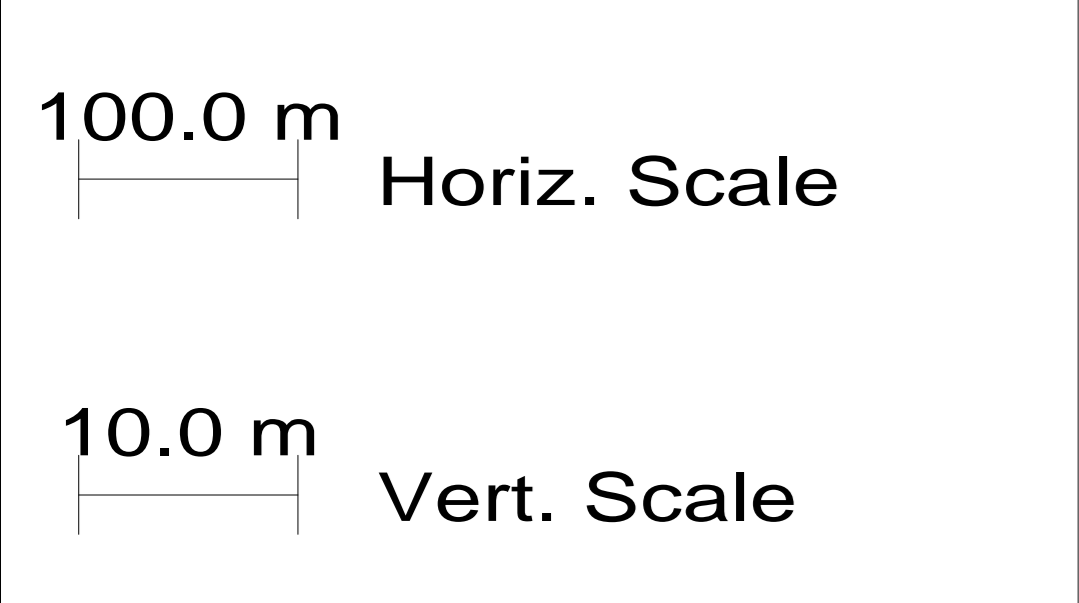
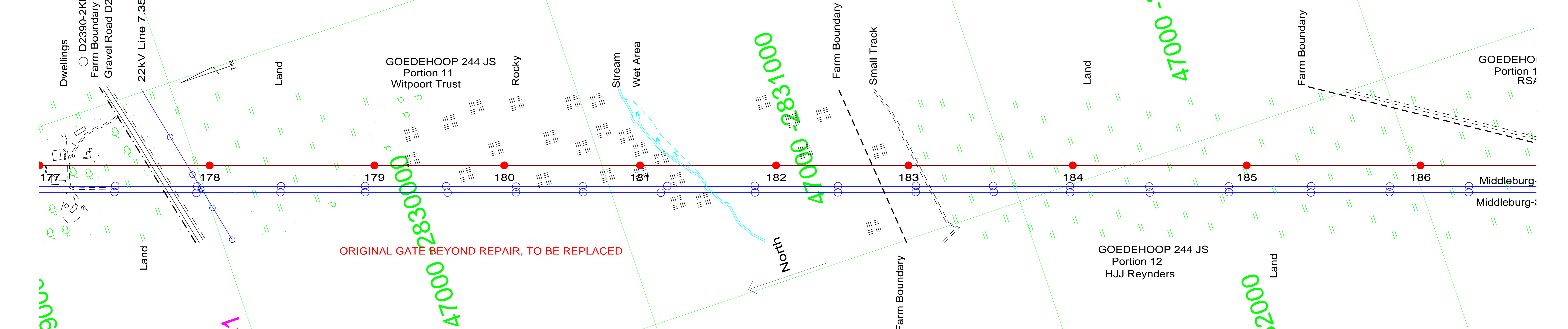
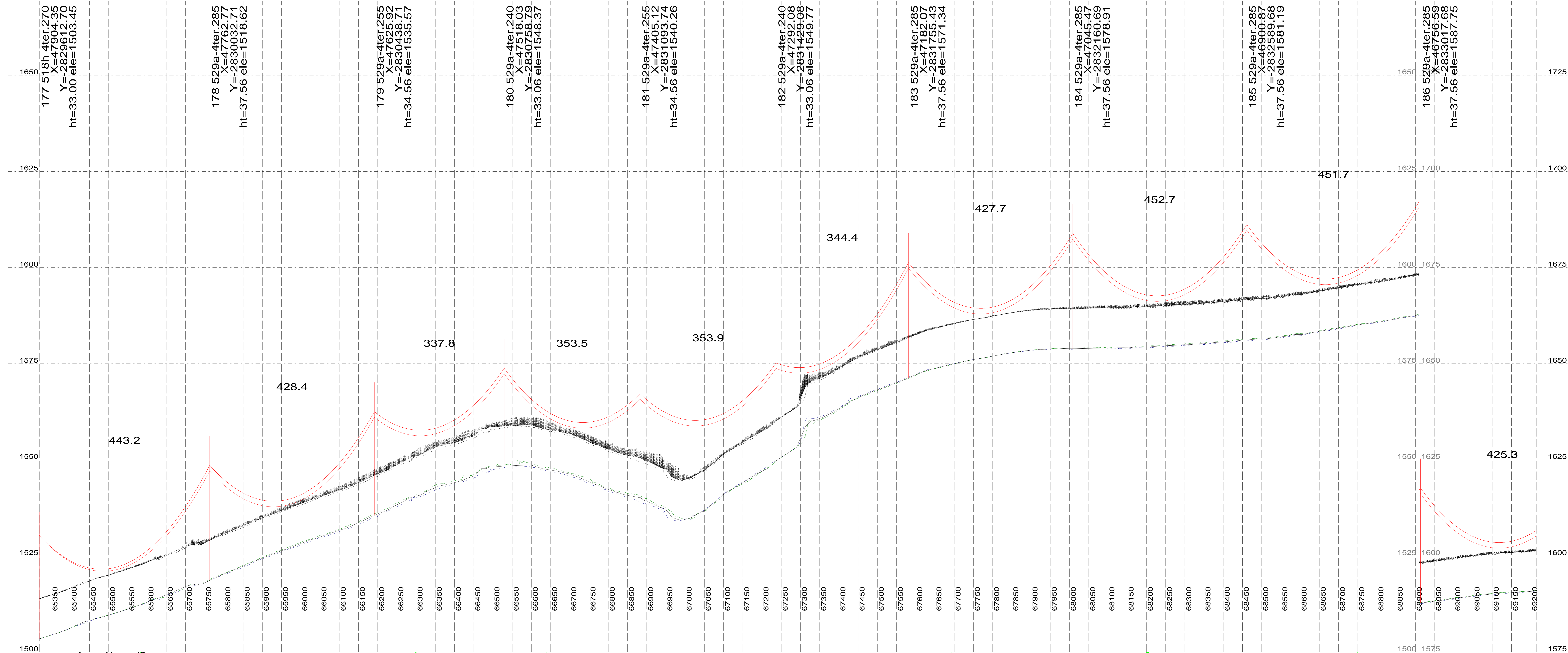
Profiles Approved: Viven Naidoo





<p>100.0 m Horiz. Scale</p> <p>10.0 m Vert. Scale</p>		<p><b>Drawing No: PRELIM PROFILES</b></p> <p>Revision Information: 0</p>	<p><b>Marlehall Rockdale B 400kV Line</b></p> <p>DATE: 26 Sep 2013</p> <p>Structure Family: 529A and 518 SERIES          Conductor: 3 x IEC 560          Templating Temperature: 60 Degrees</p>	<p>DATE: 26 Sep 2013</p> <p><b>Sheet 20/35</b></p>	<p>Engineer Line Design: B Ntshuntsha          Senior Environmental Advisor:          Field Environmental Data:          Negotiator:          Survey:          Mapping:          Profiles Approved: Viven Naidoo</p>
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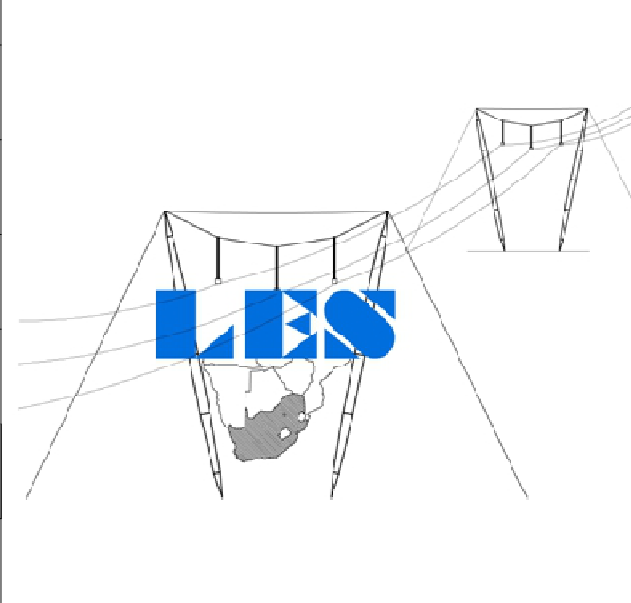


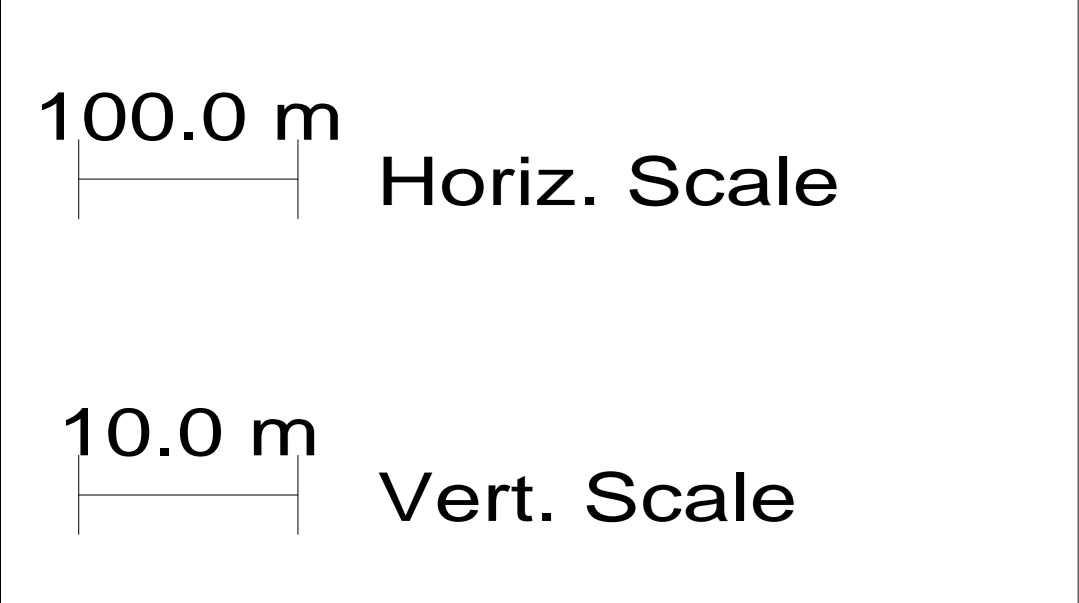
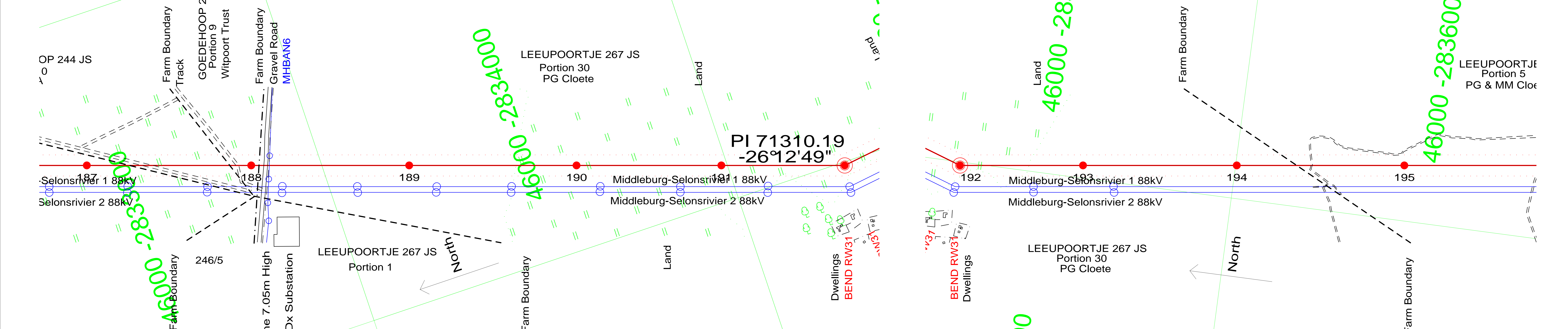
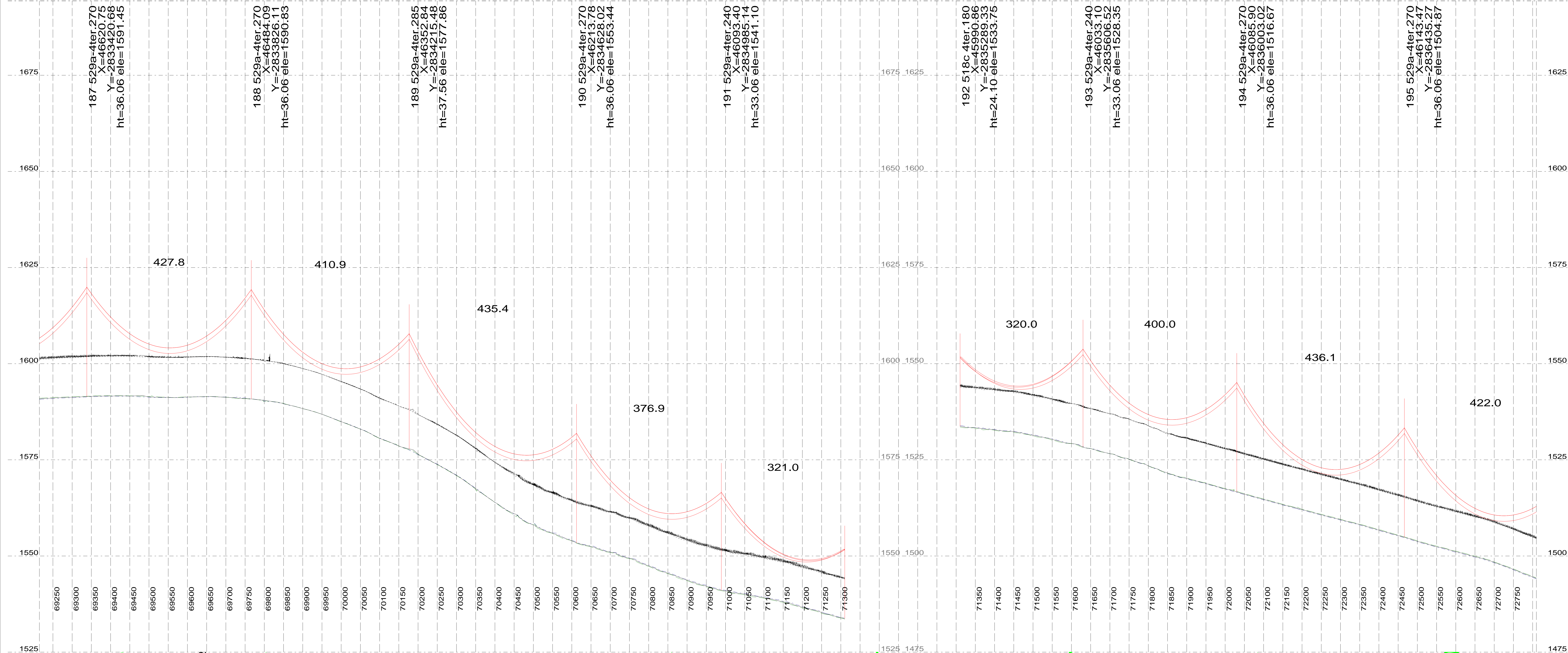
**Drawing No: PRELIM PROFILES**  
 Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE:  
 26 Sep 2013  
**Sheet 21/35**

Engineer Line Design: B Ntshuntsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo



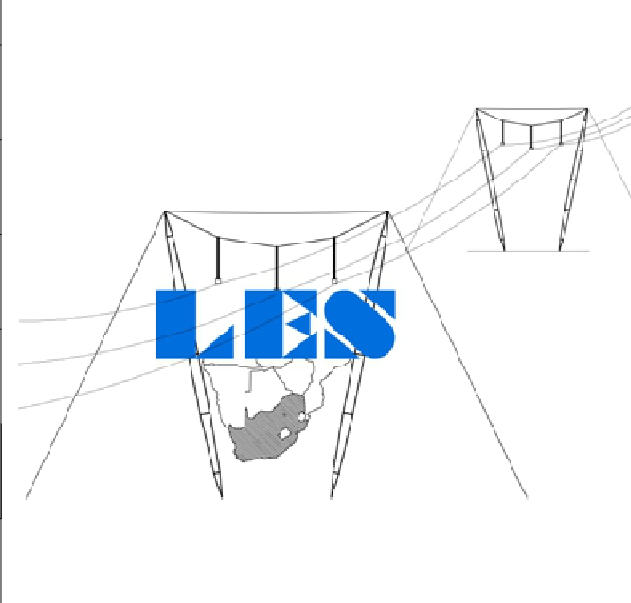


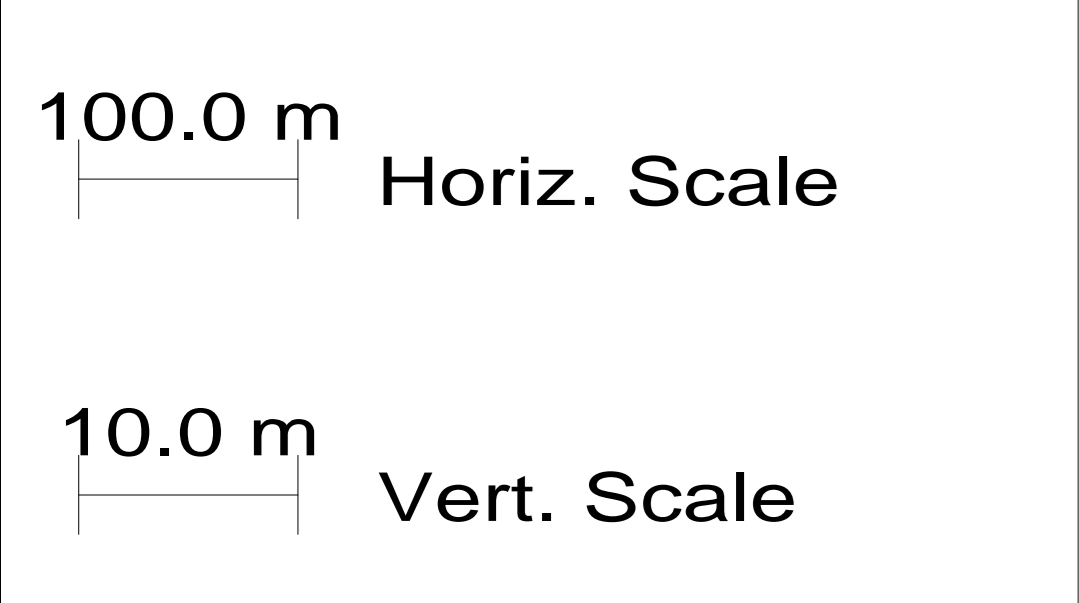
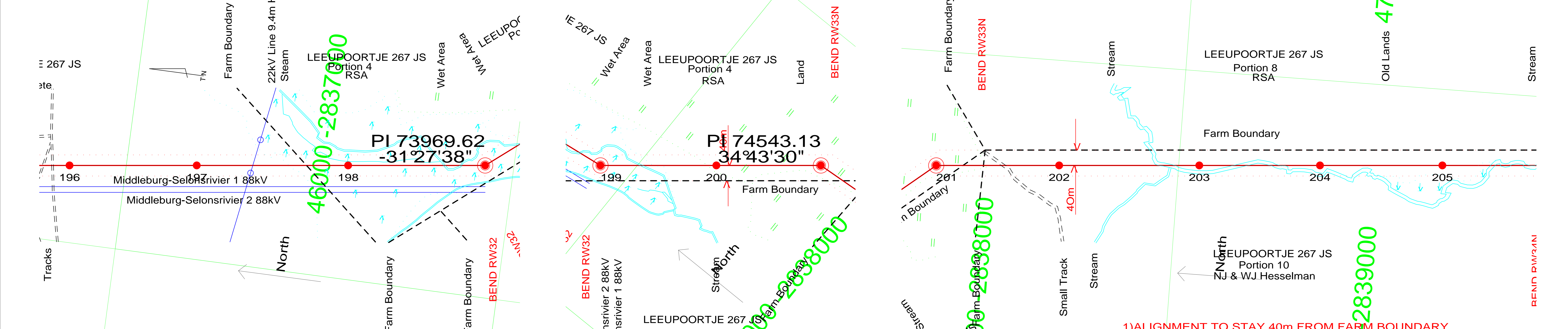
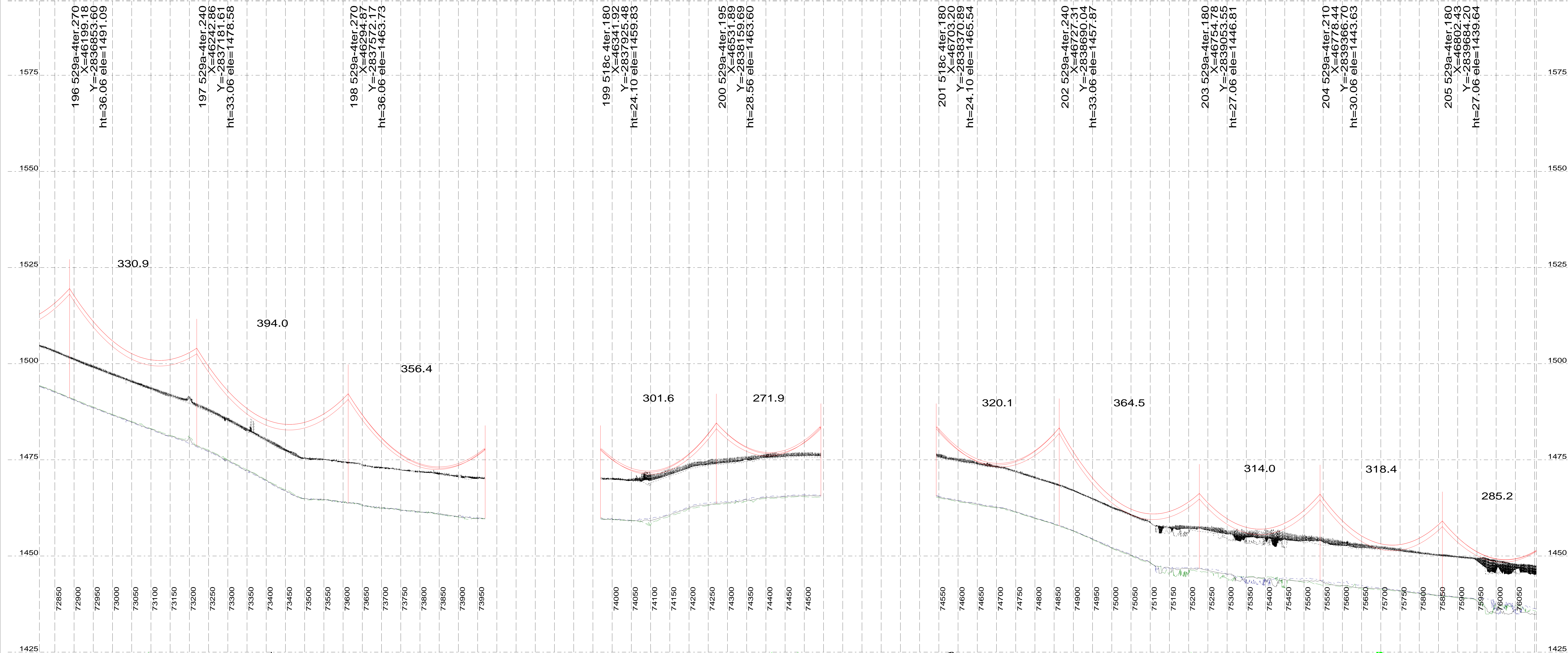
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Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
**Sheet 22/35**

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo





**Drawing No: PRELIM PROFILES**

Revision Information: 0

**Marblehall Rockdale B 400kV Line**

Structure Family: 529A and 518 SERIES

Conductor: 3 x IEC 560

Templating Temperature: 60 Degrees

DATE: 26 Sep 2013

Sheet 23/35

Engineer Line Design: B Ntshunsha

Senior Environmental Advisor:

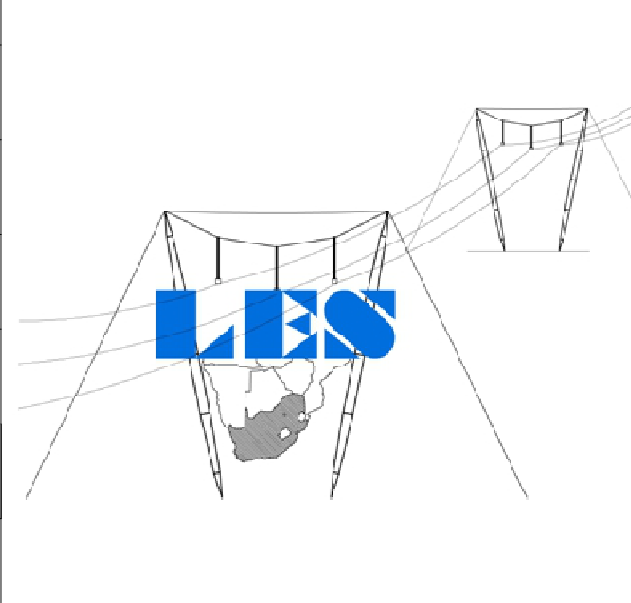
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Negotiator:

Survey:

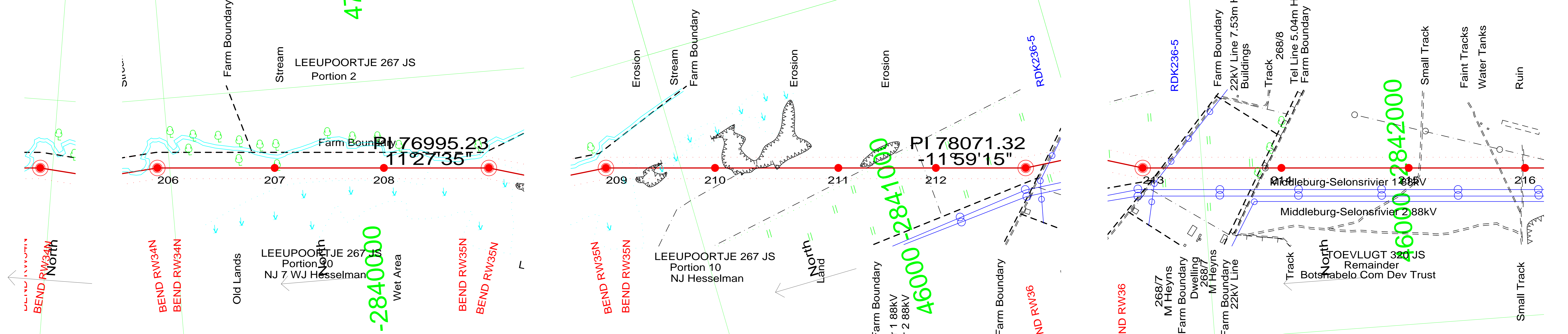
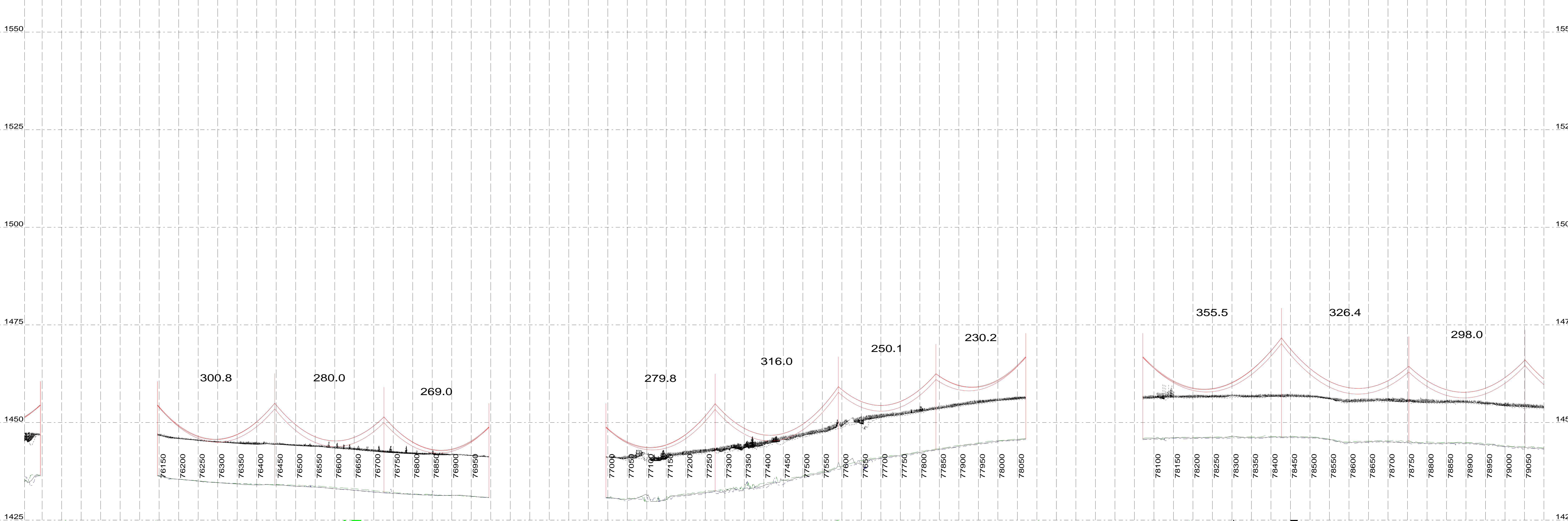
Mapping:

Profiles Approved: Viven Naidoo





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100.0 m Horiz. Scale  
10.0 m Vert. Scale

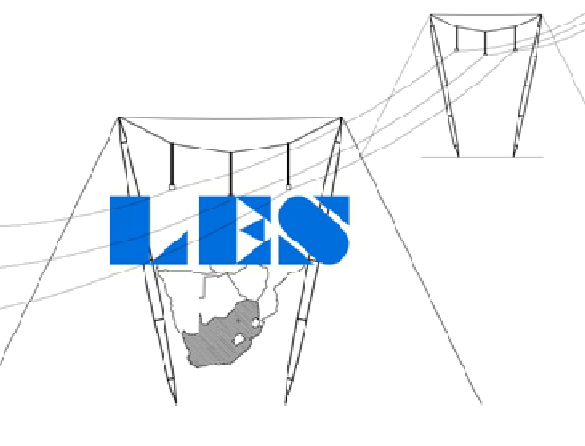


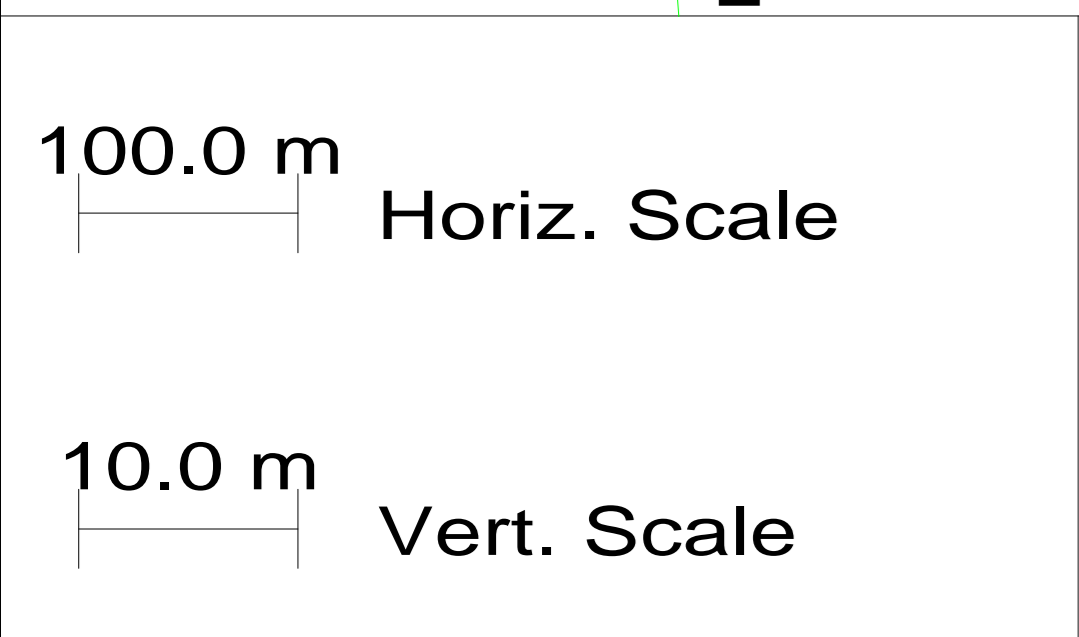
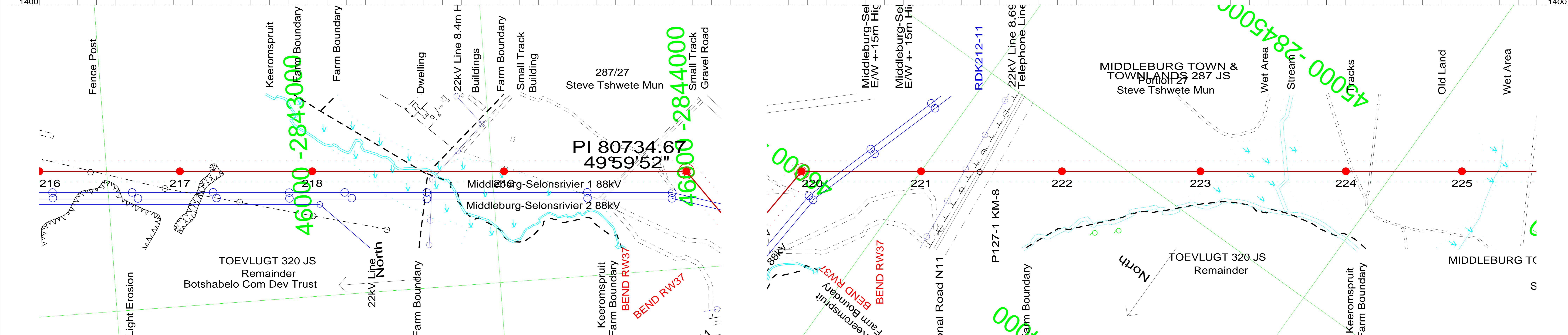
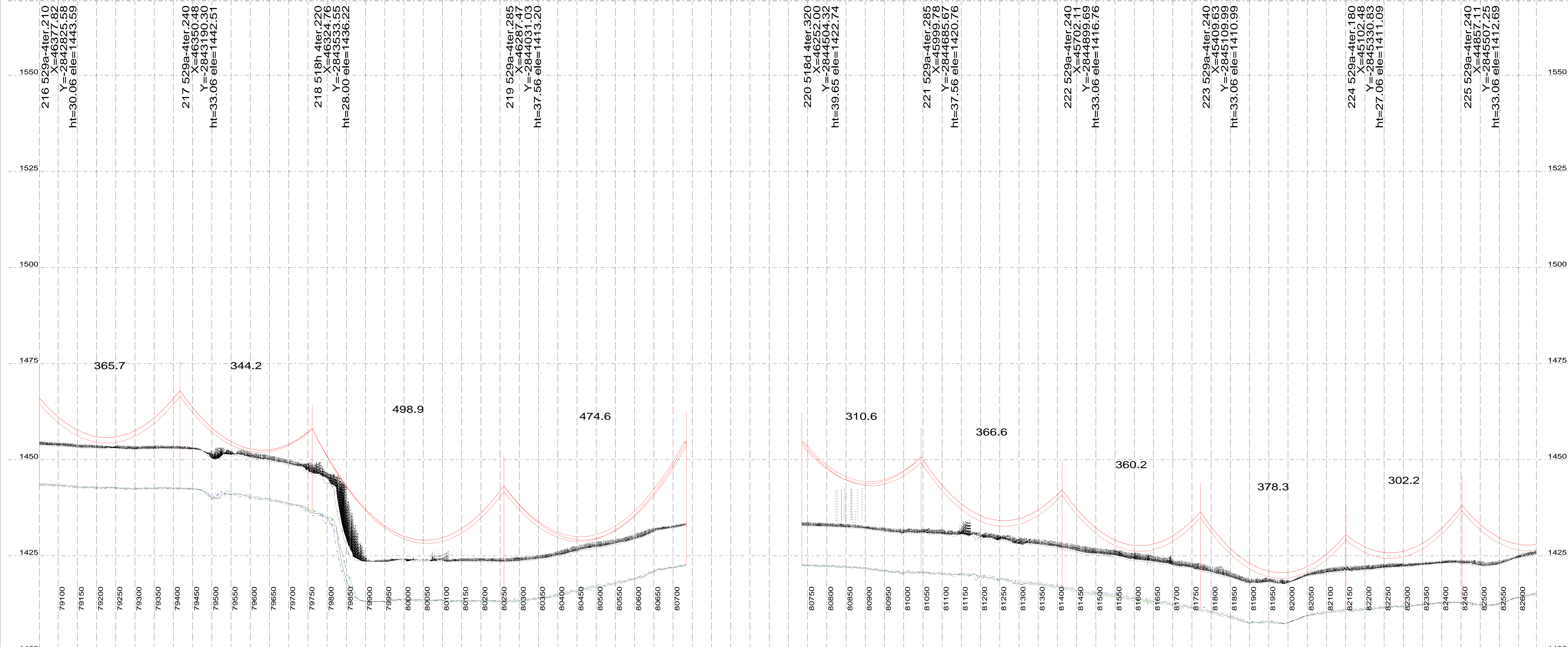
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Revision Information: 0

Marblehall Rockdale B 400kV Line  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
Sheet 24/35

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



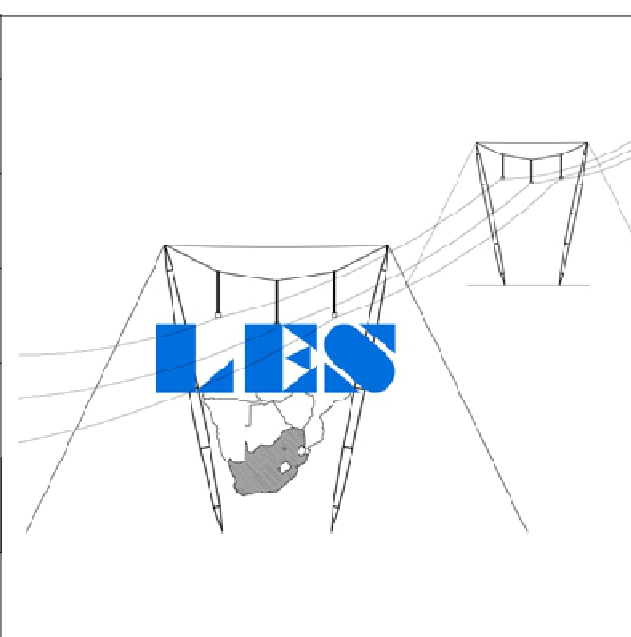


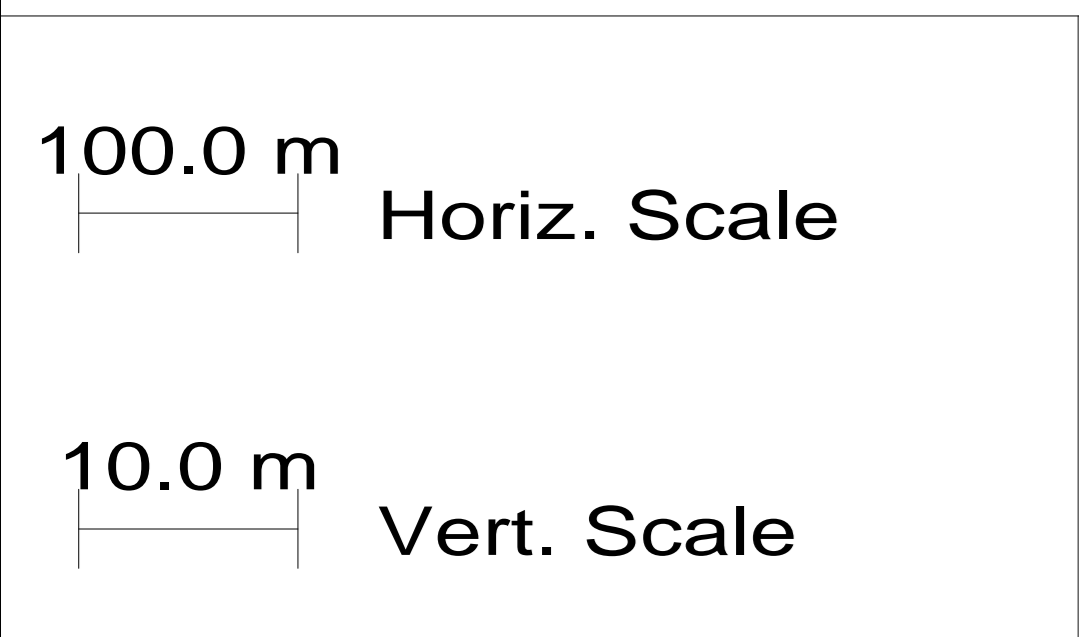
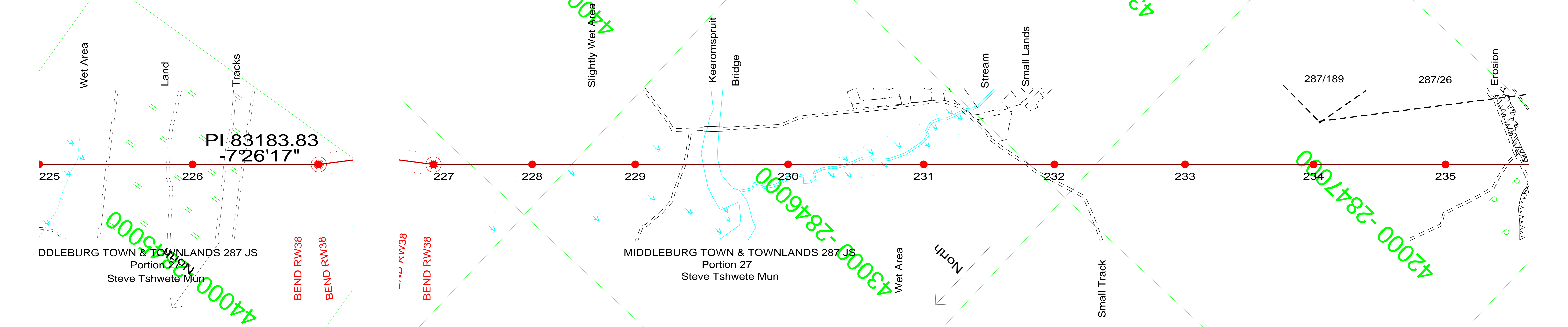
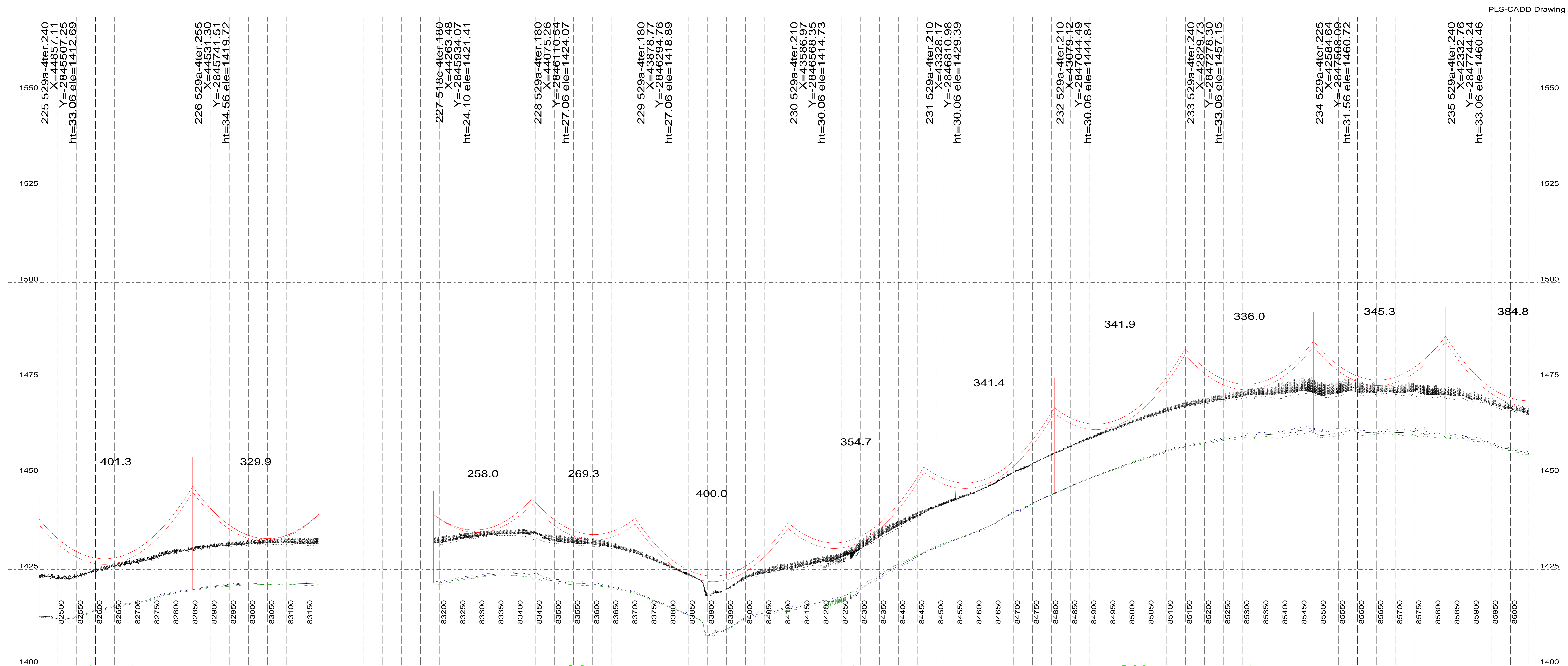
**Drawing No: PRELIM PROFILES**  
Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
**Sheet 25/35**

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



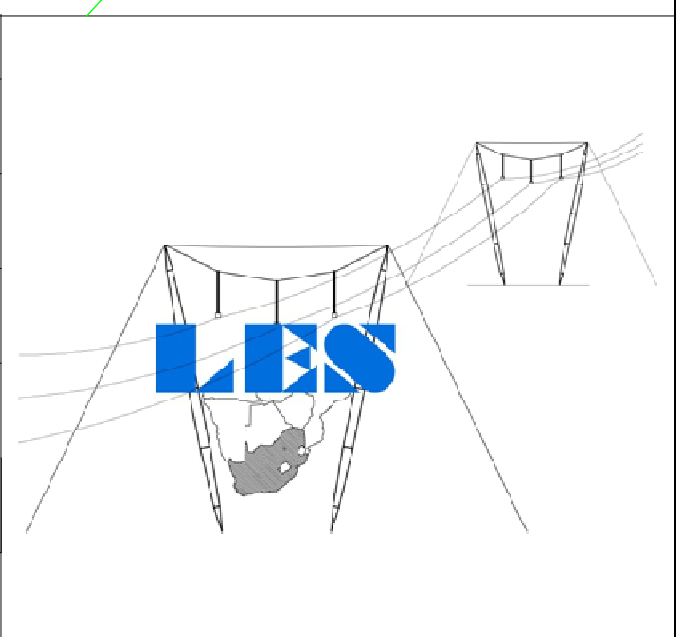


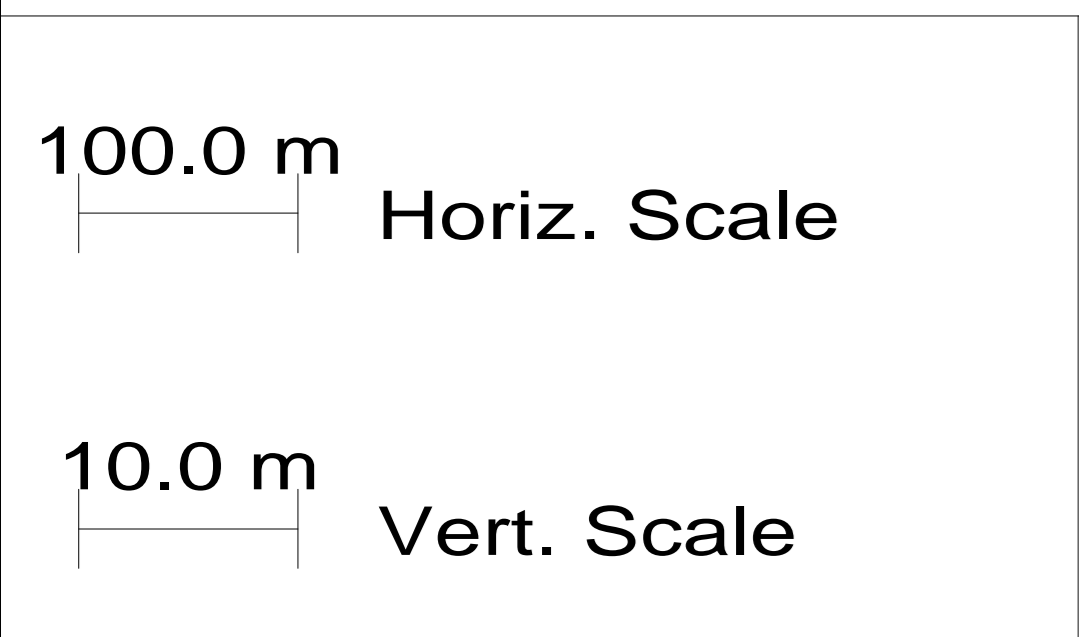
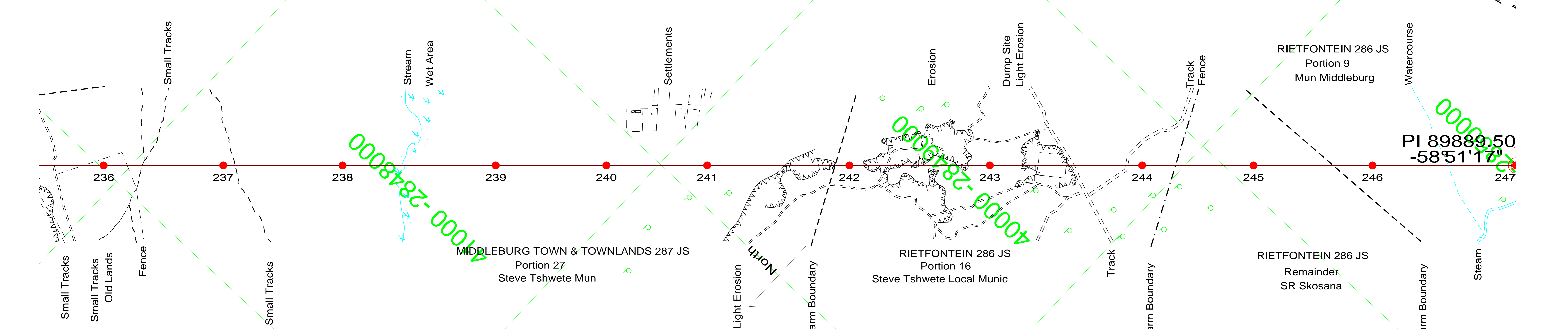
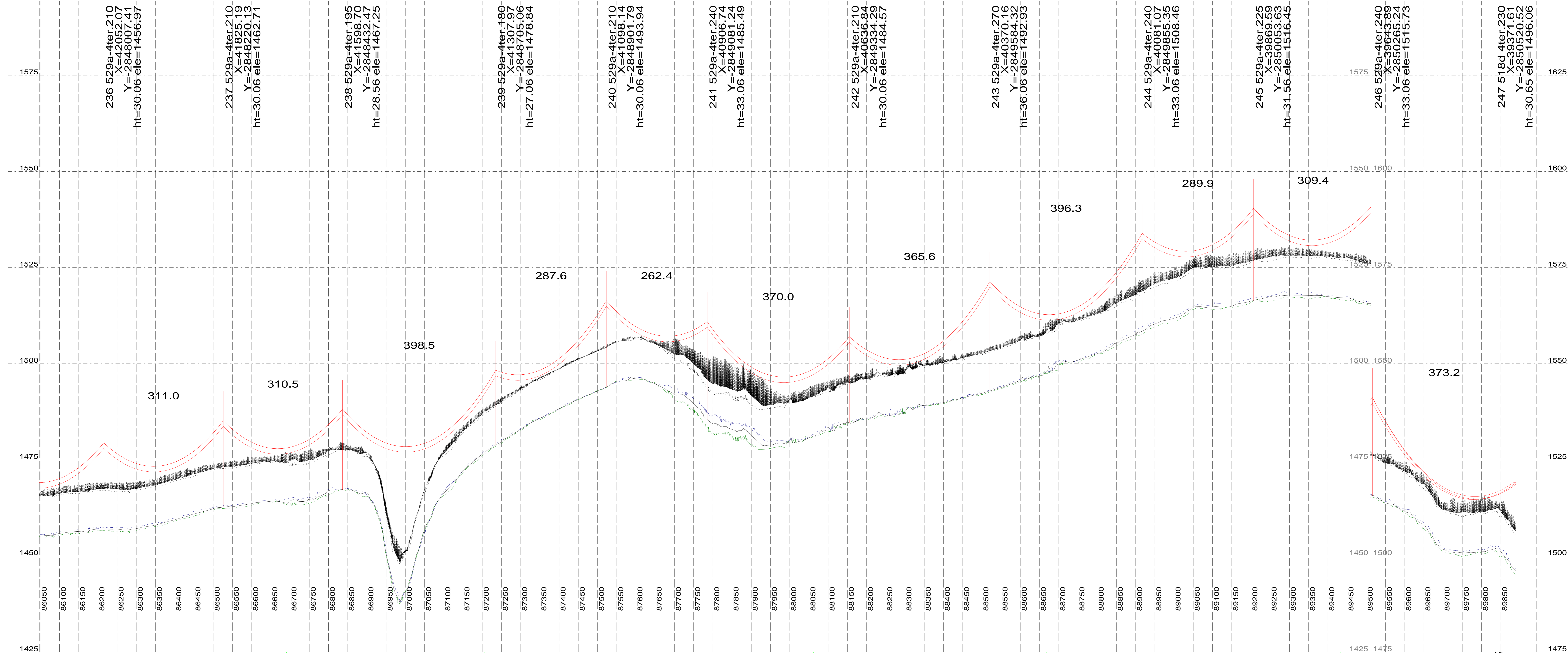
**Drawing No: PRELIM PROFILES**  
Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE:  
26 Sep 2013  
**Sheet 26/35**

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



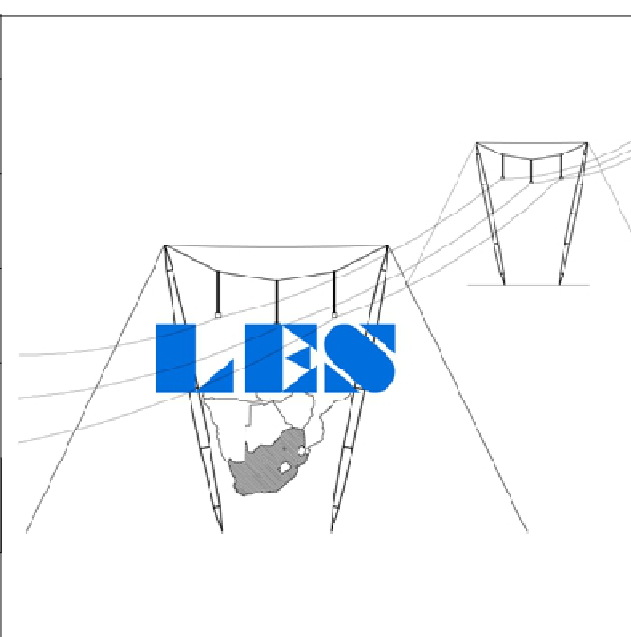


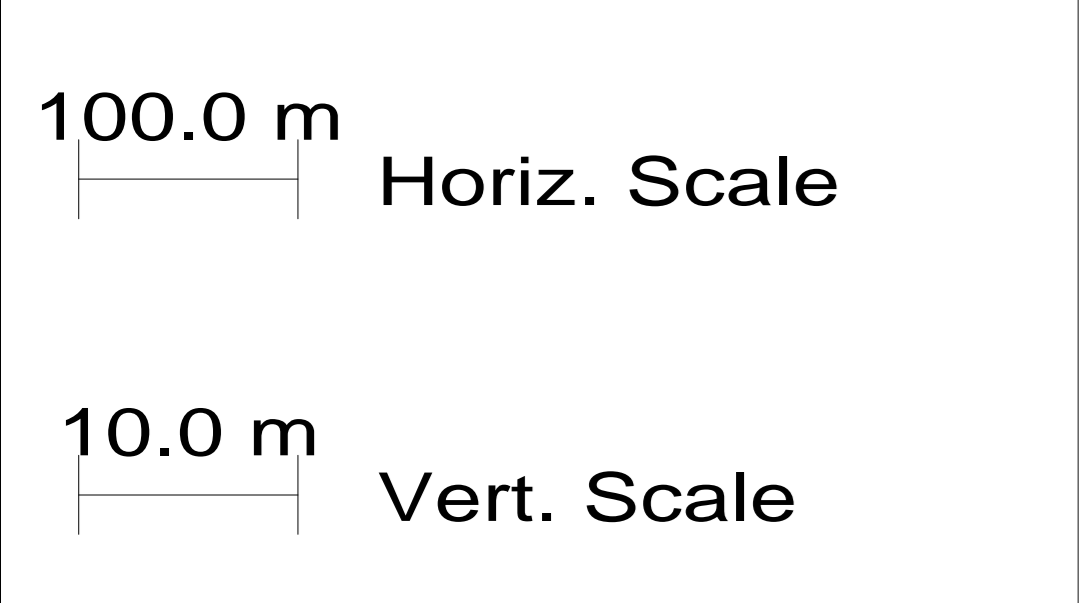
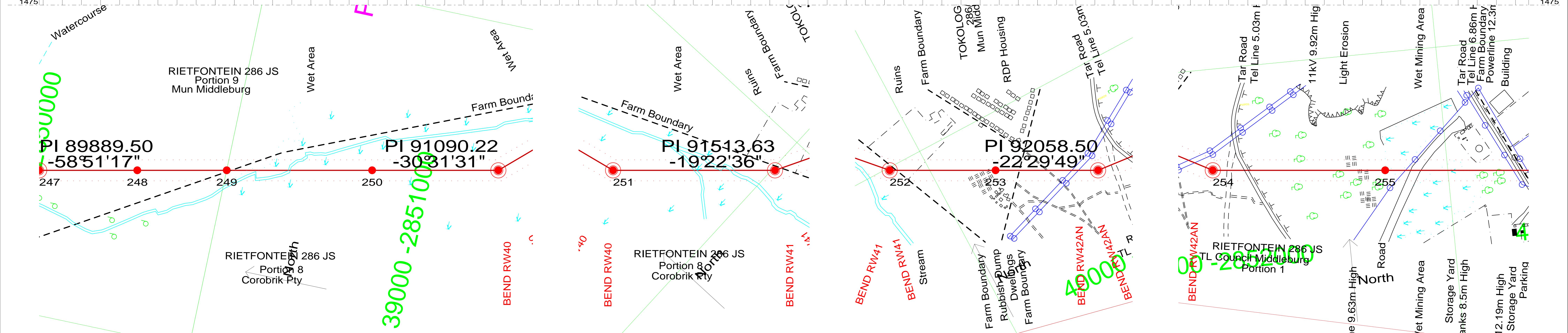
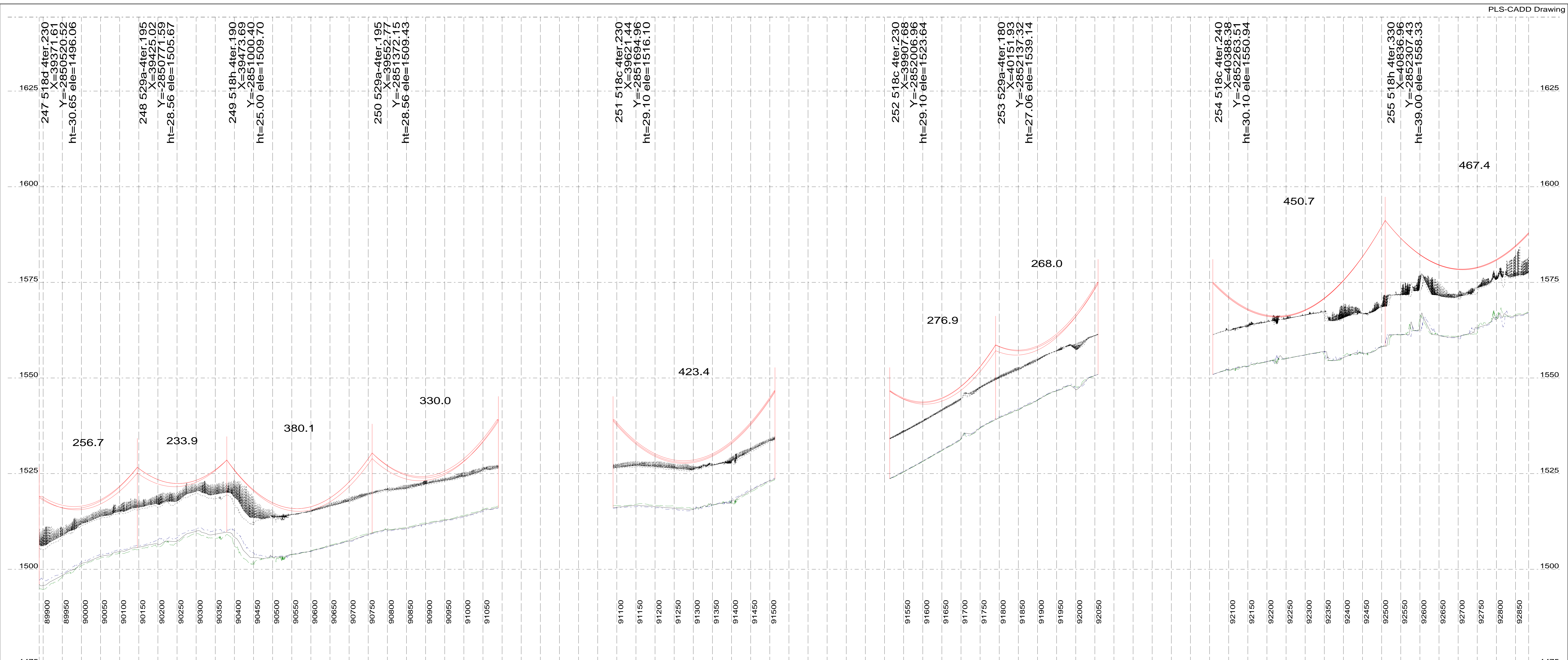
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Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
**Sheet 27/35**

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



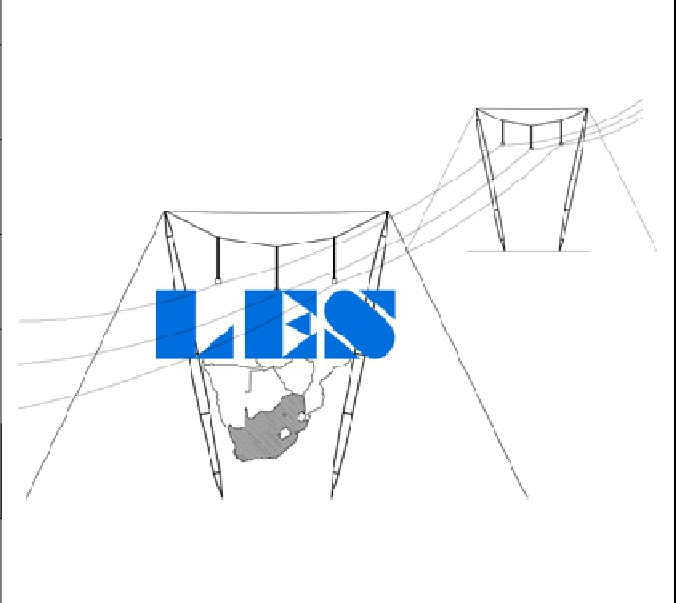


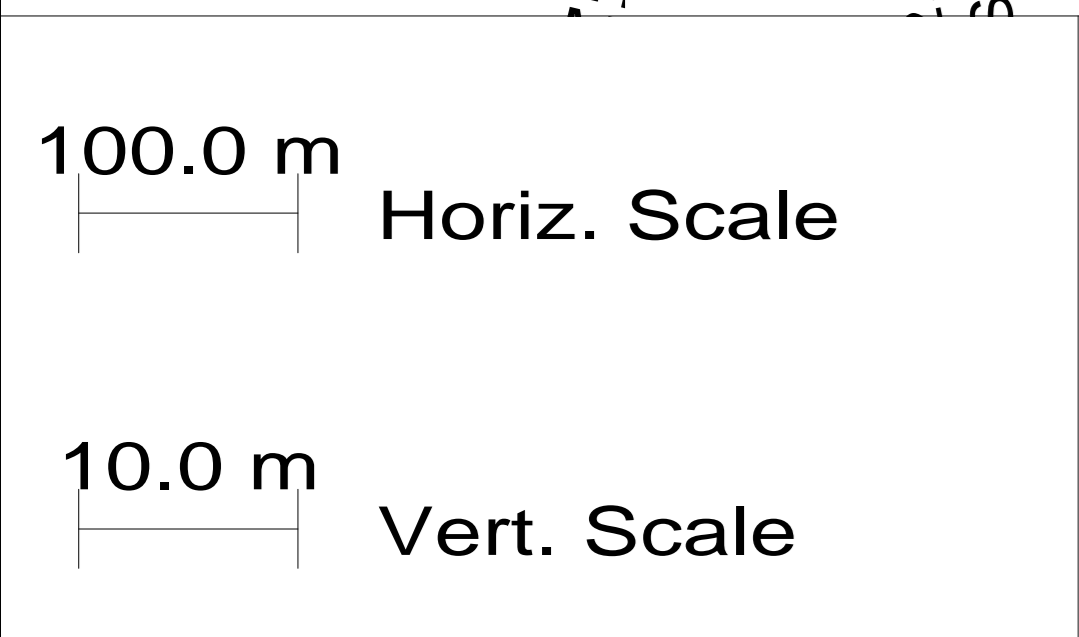
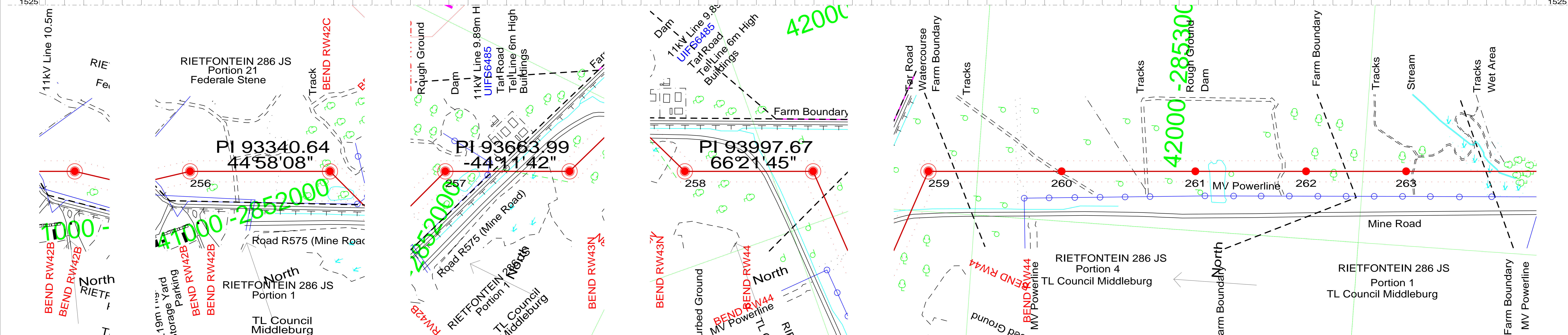
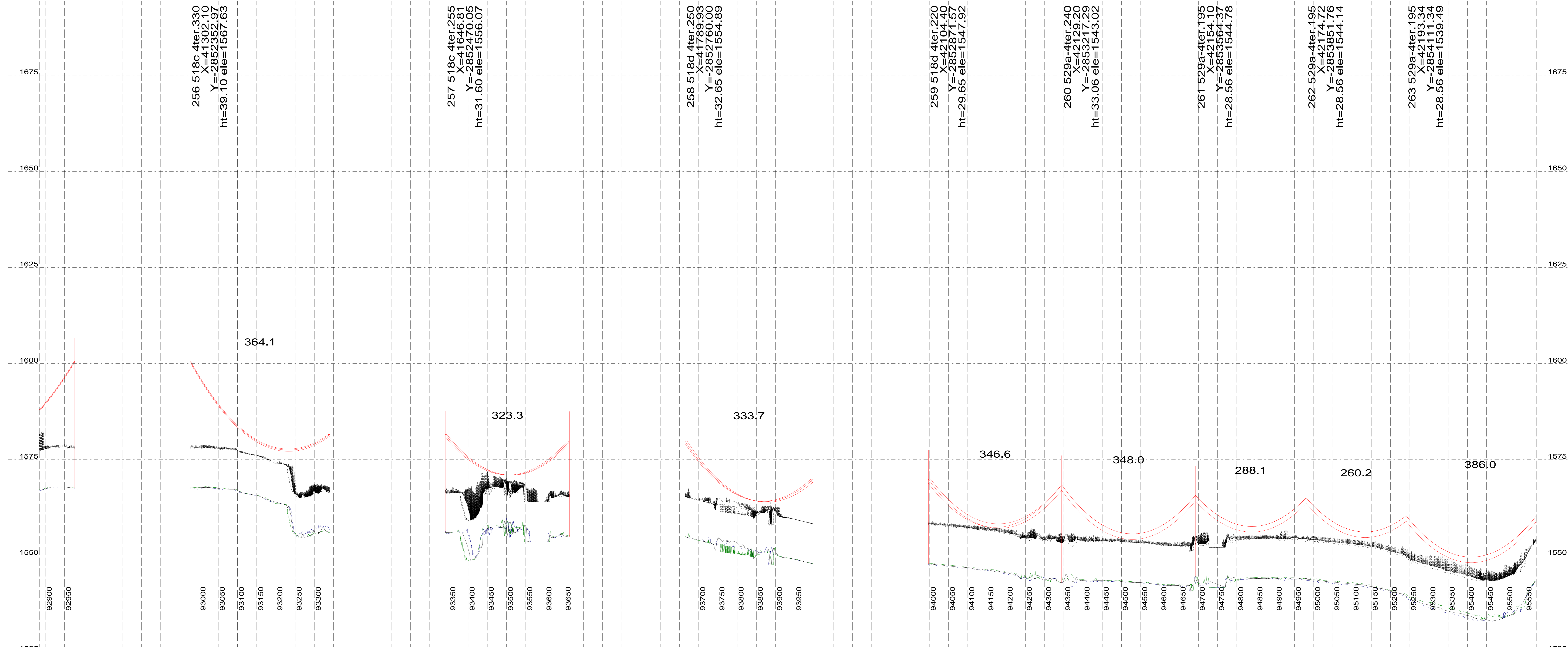
**Drawing No: PRELIM PROFILES**  
Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
**Sheet 28/35**

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



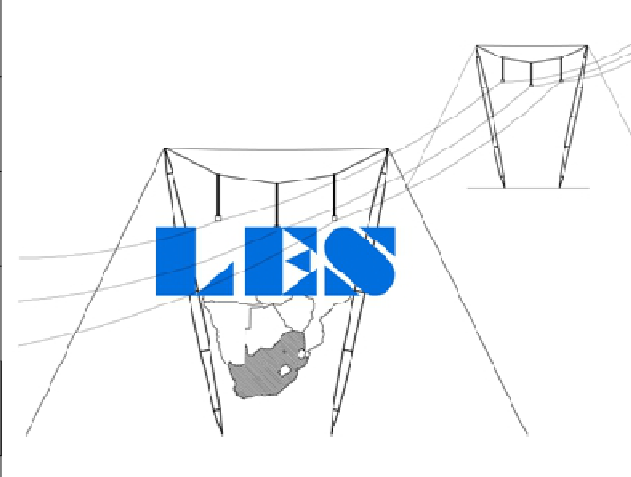


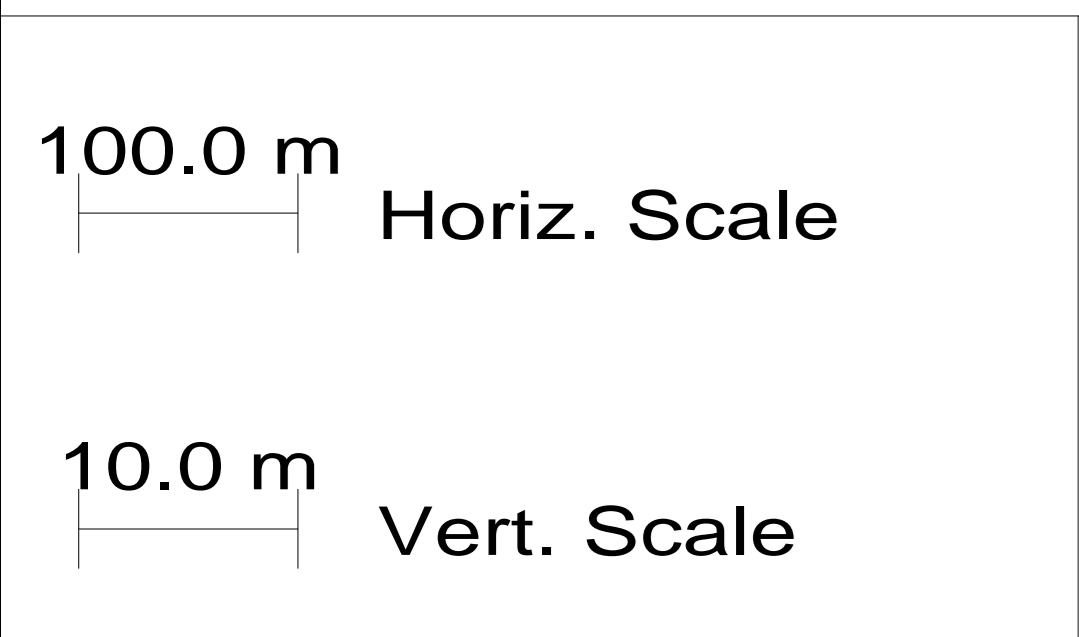
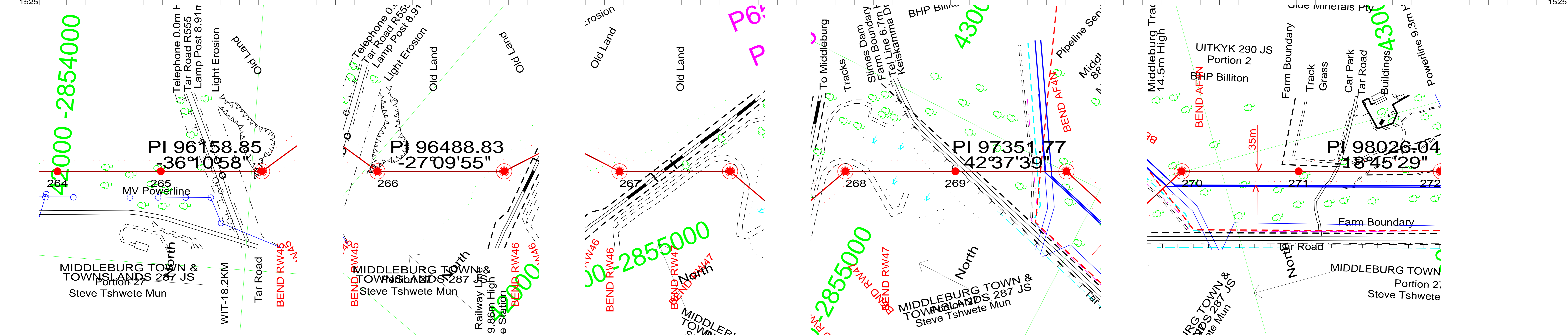
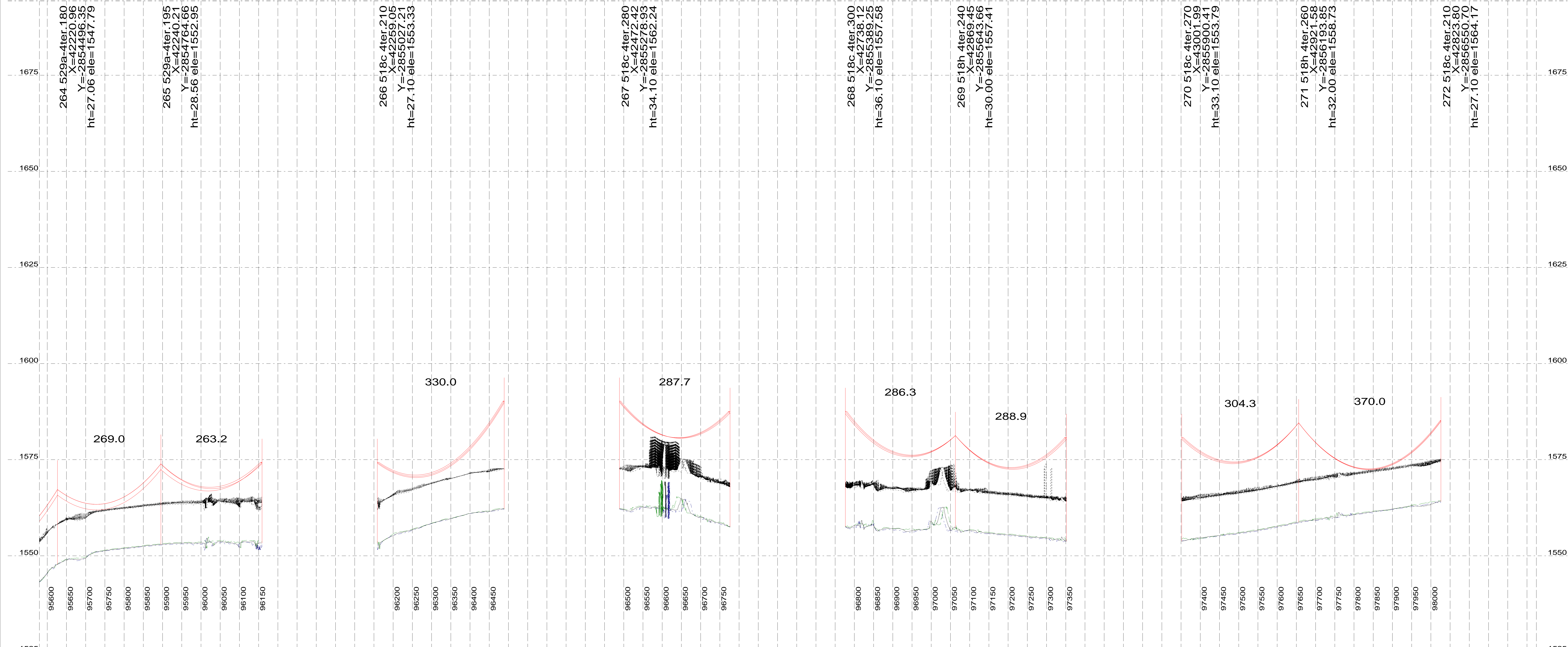
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Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
Sheet 29/35

Engineer Line Design: B Ntshutsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo





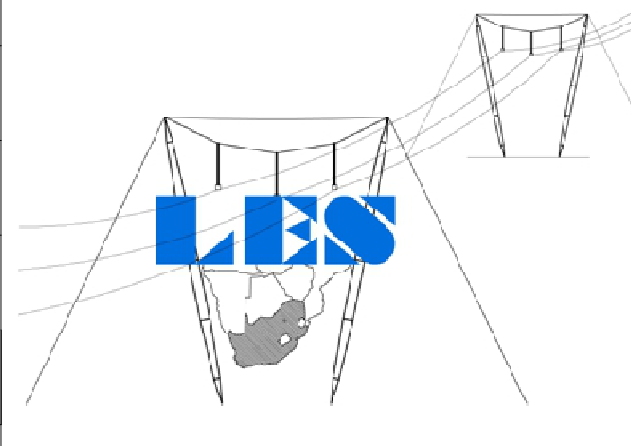
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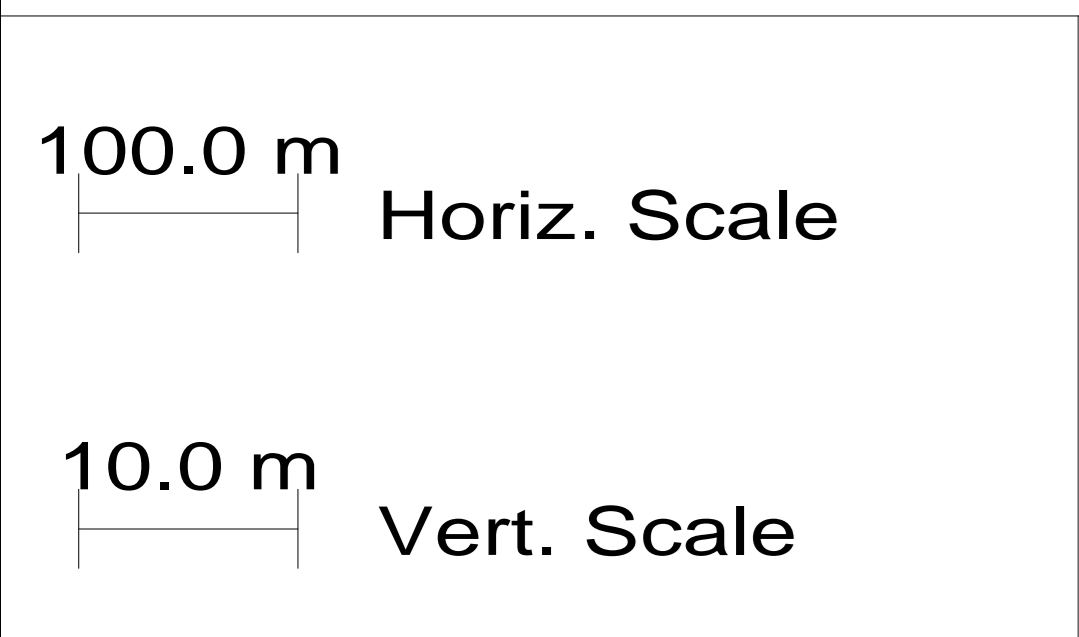
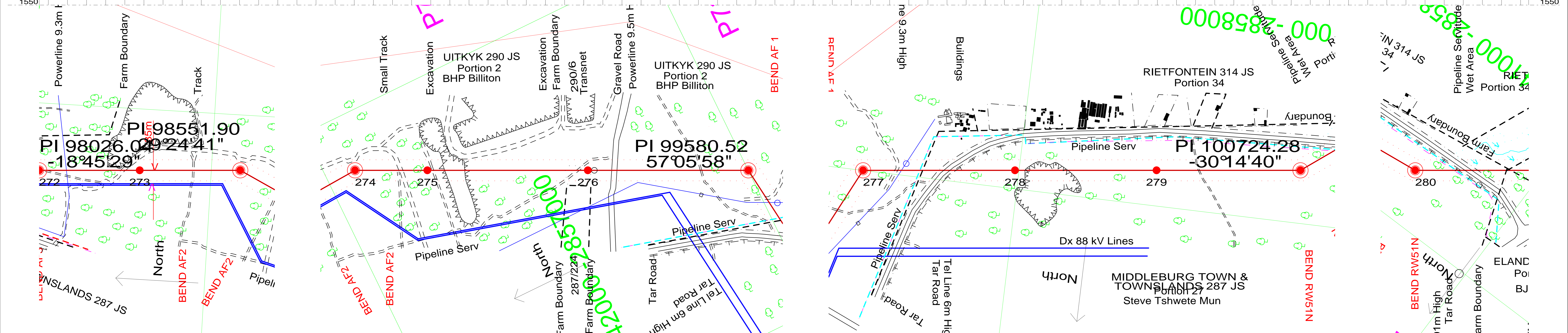
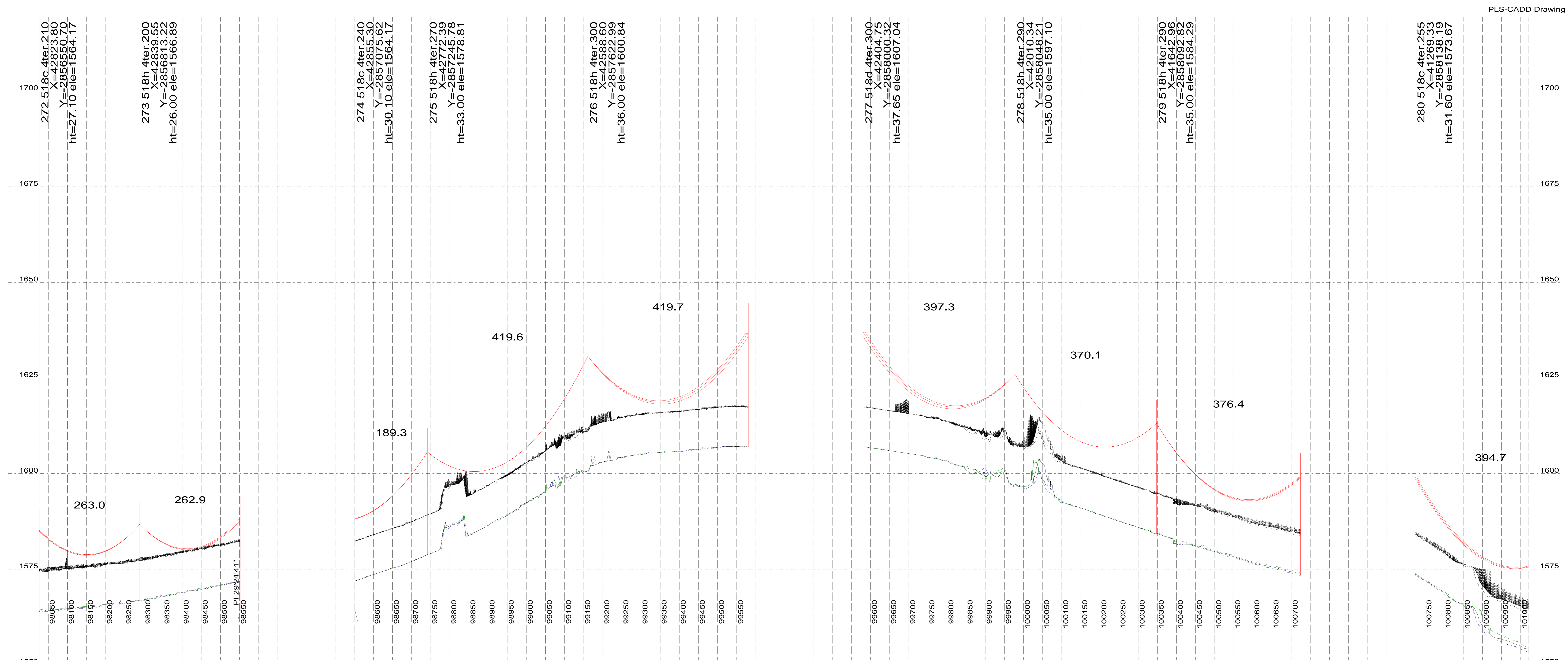
Marblehall Rockdale B 400kV Line  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE:  
26 Sep 2013

Sheet 30/35

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



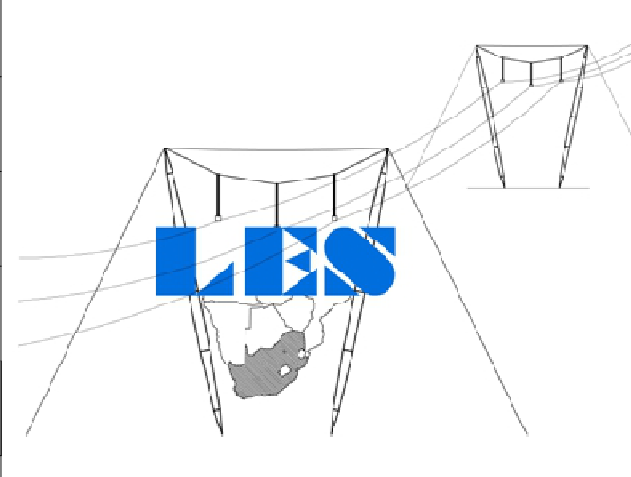


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Revision Information: 0

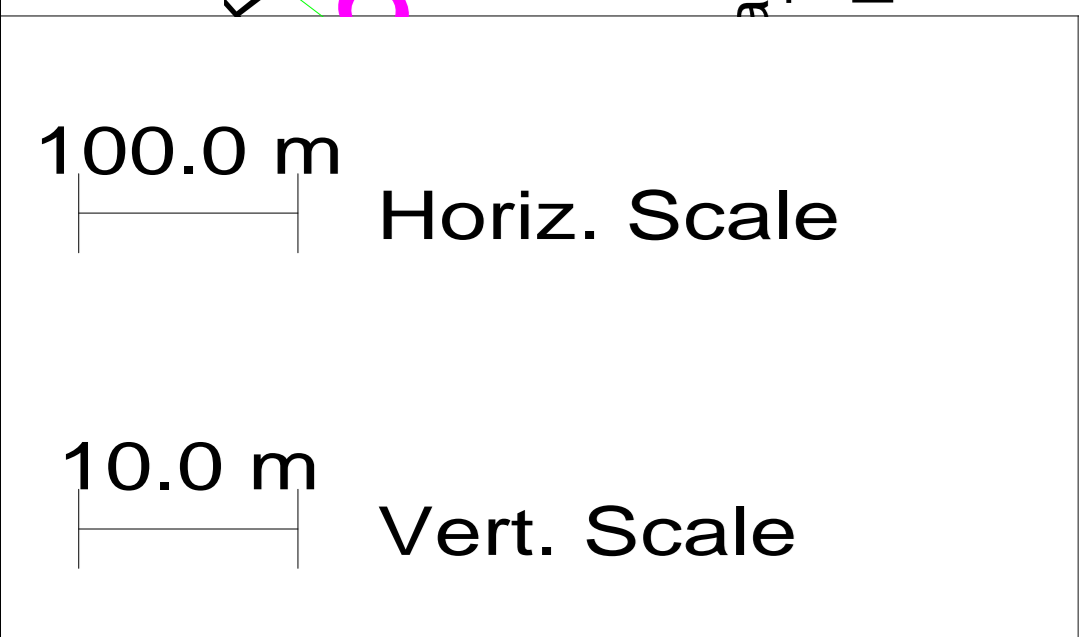
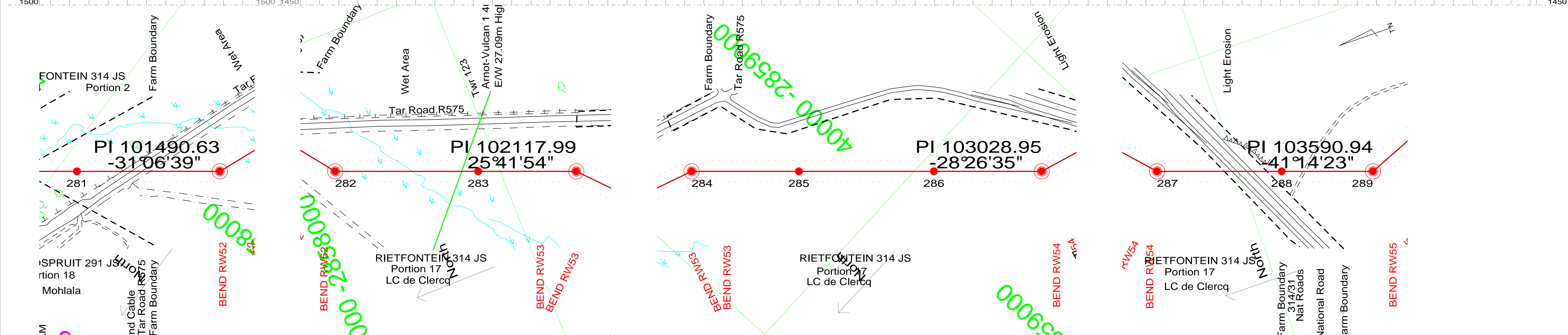
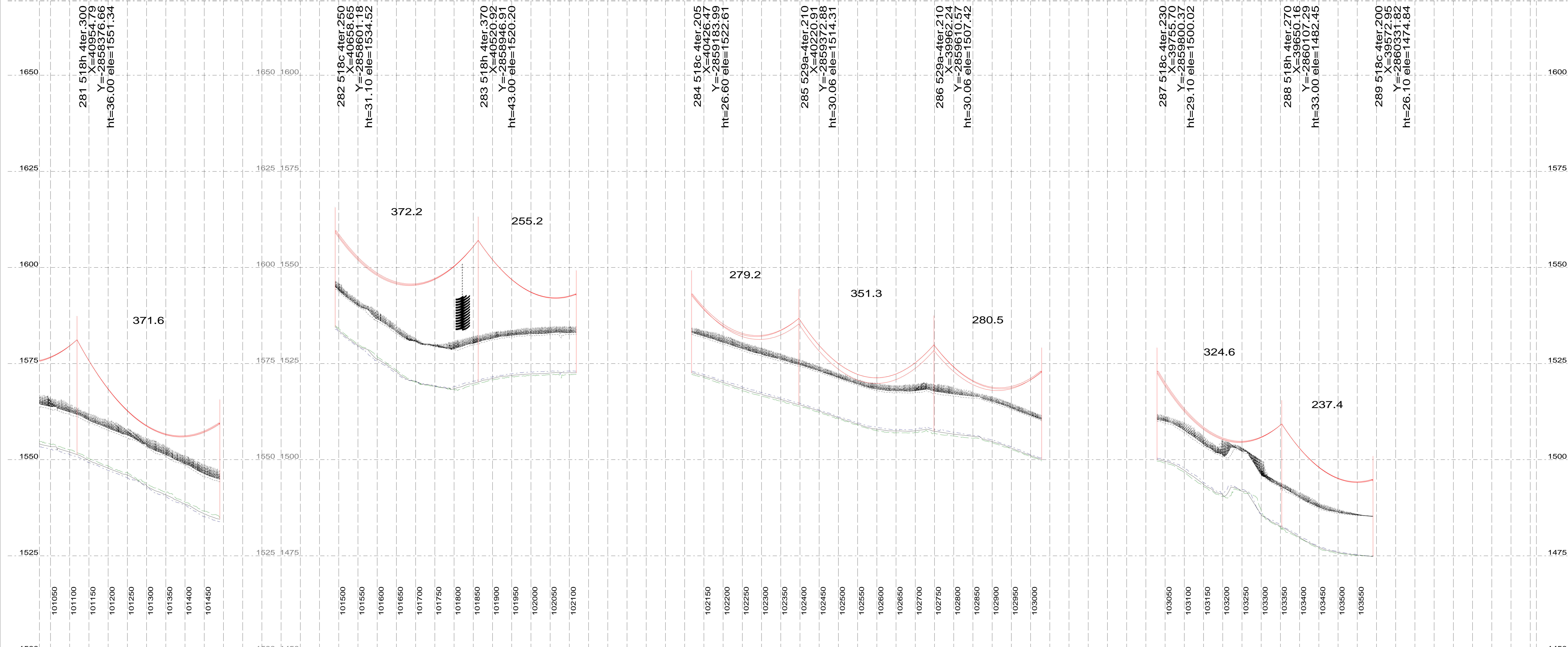
**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE: 26 Sep 2013  
Sheet 31/35

Engineer Line Design: B Ntshuntsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo





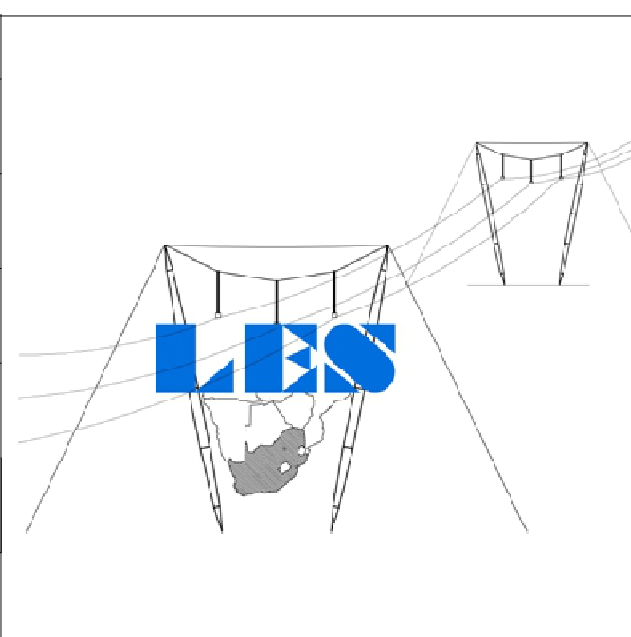


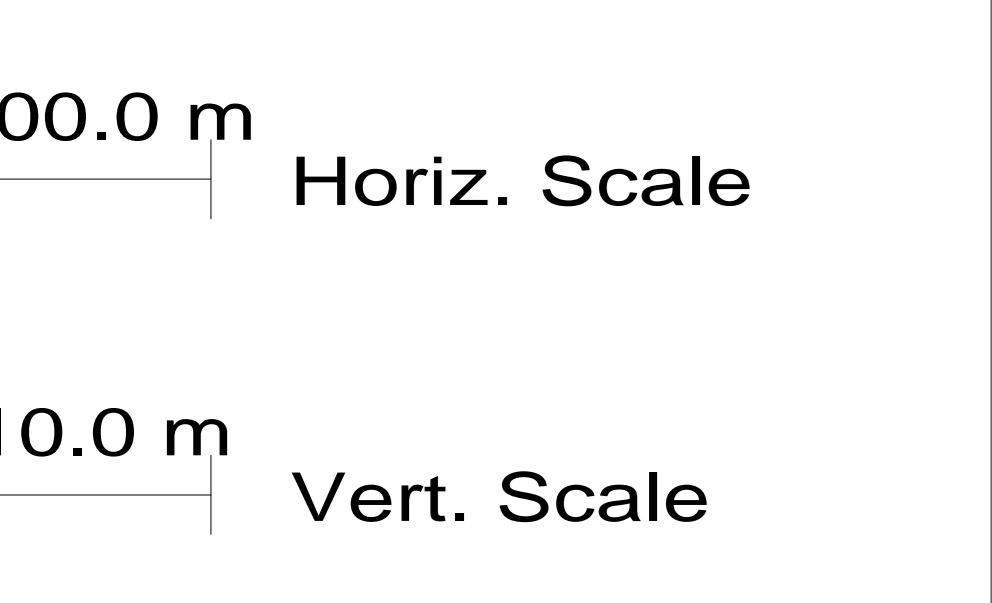
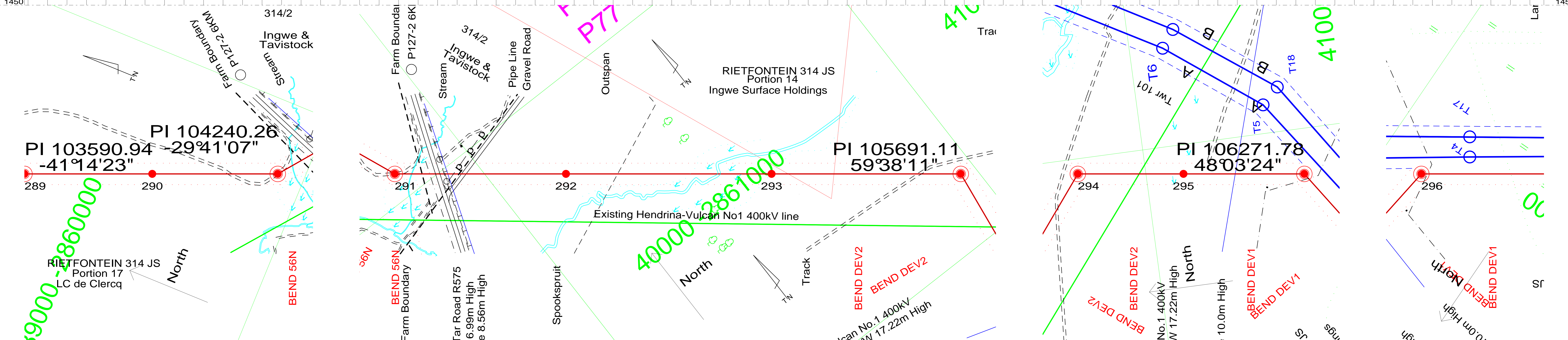
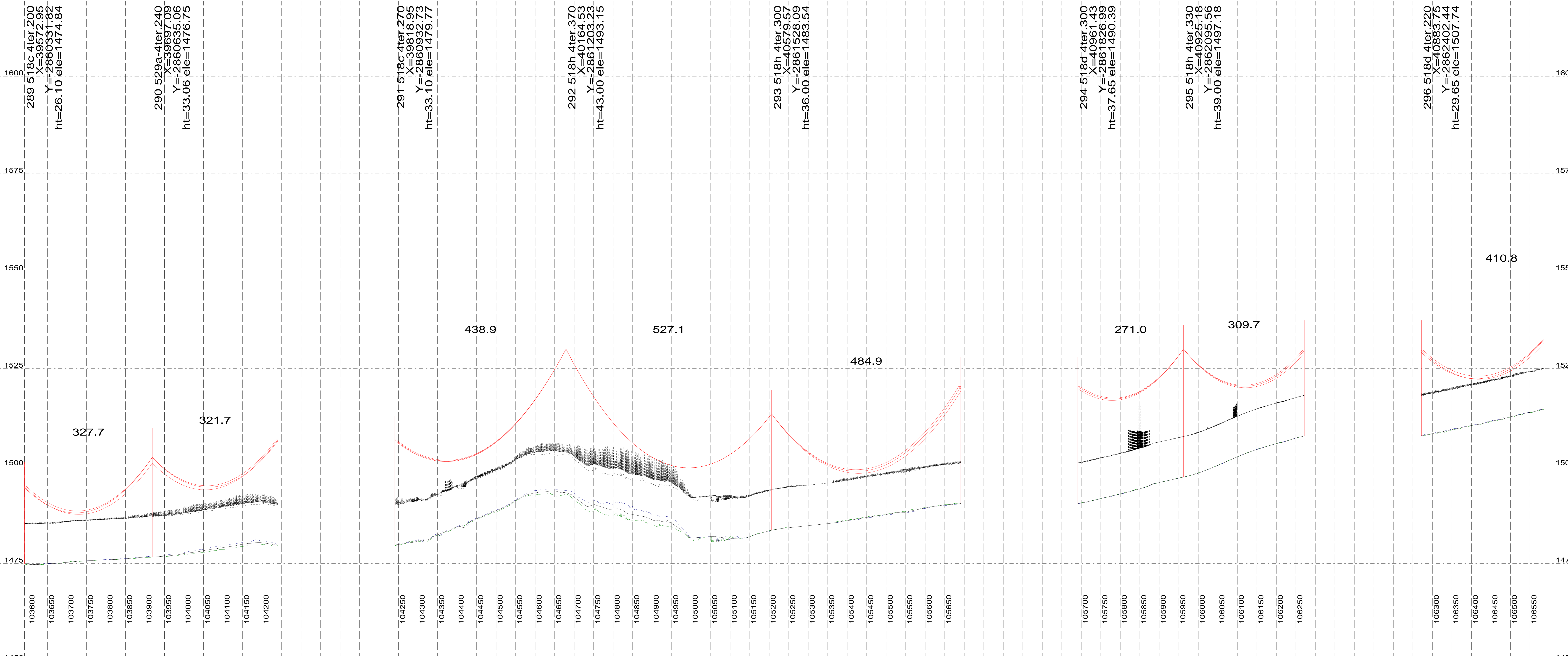
**Drawing No: PRELIM PROFILES**  
Revision Information: 0

**Marblehall Rockdale B 400kV Line**  
Structure Family: 529A and 518 SERIES  
Conductor: 3 x IEC 560  
Templating Temperature: 60 Degrees

DATE:  
26 Sep 2013  
**Sheet 32/35**

Engineer Line Design: B Ntshunsha  
Senior Environmental Advisor:  
Field Environmental Data:  
Negotiator:  
Survey:  
Mapping:  
Profiles Approved: Viven Naidoo



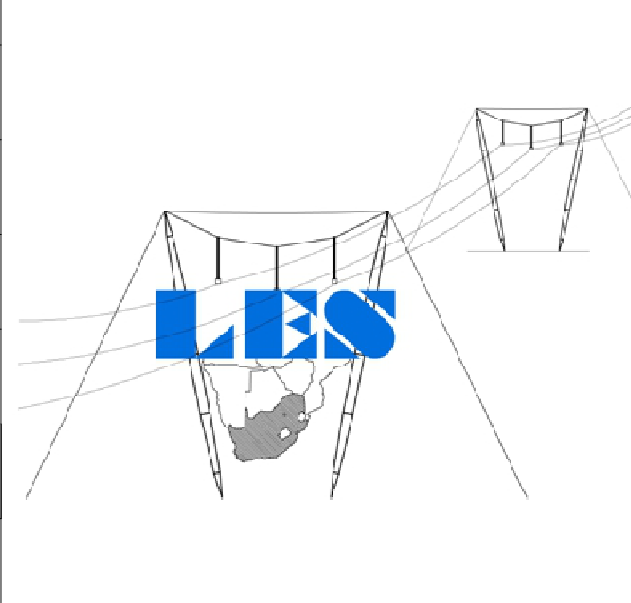


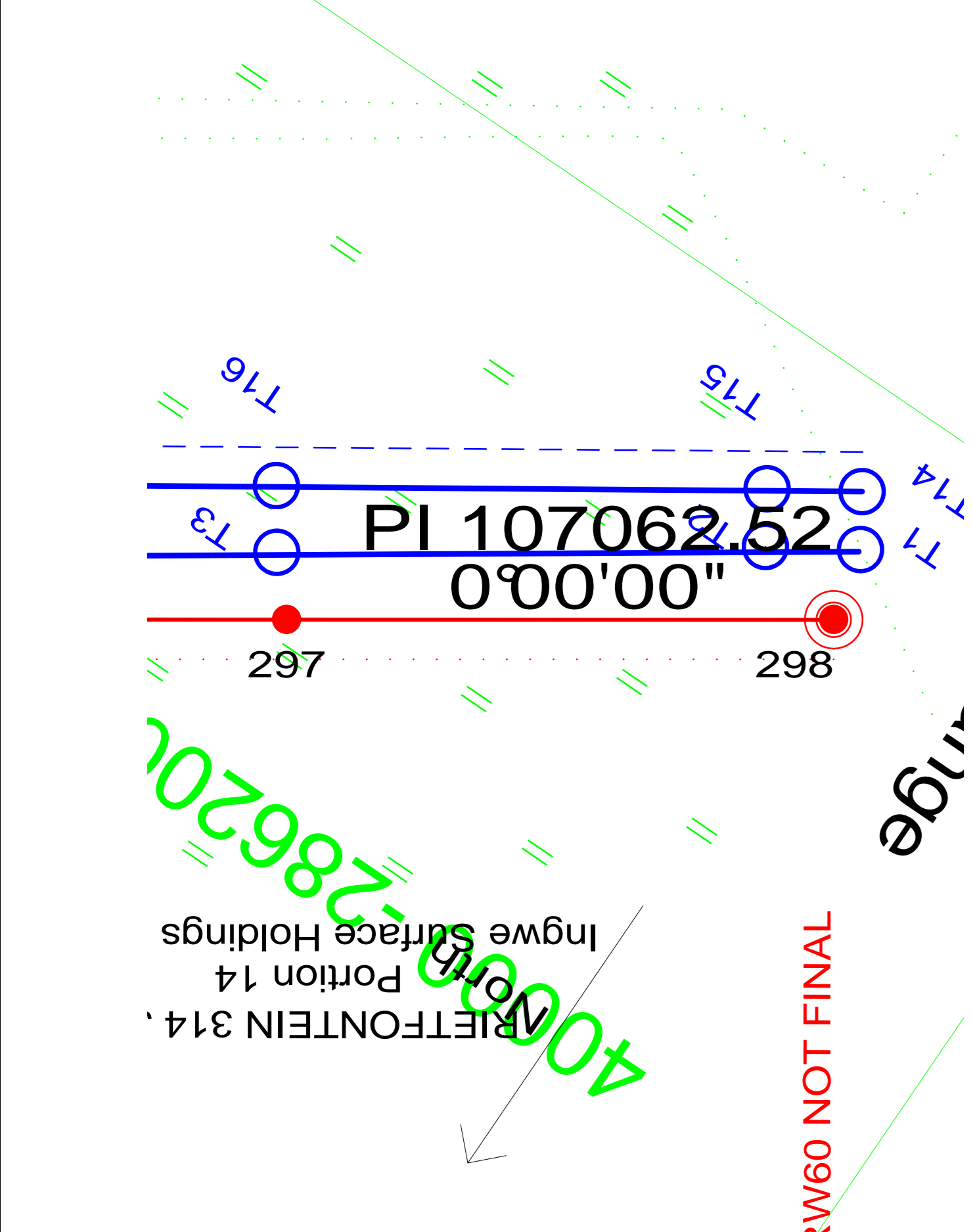
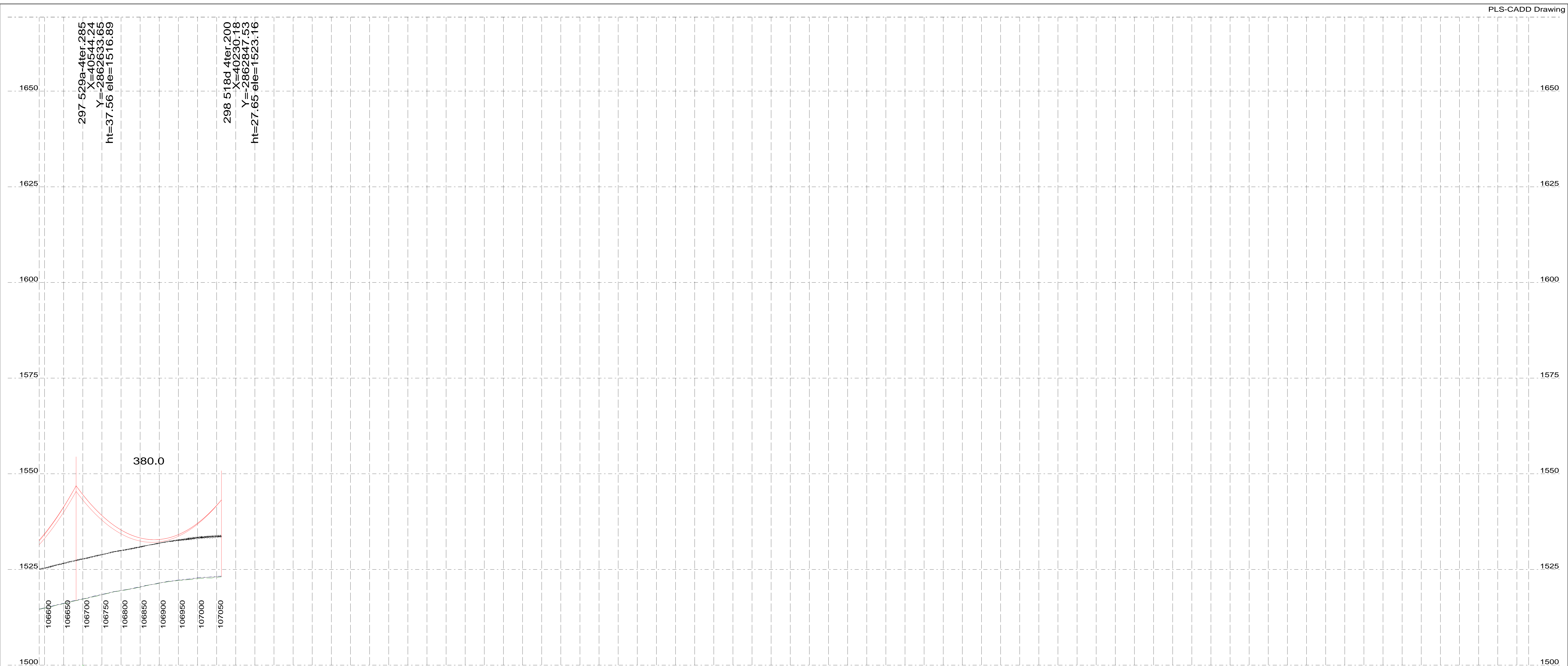
**Drawing No: PRELIM PROFILES**  
 Revision Information: 0

**Marlehall Rockdale B 400kV Line**  
 Structure Family: 529A and 518 SERIES  
 Conductor: 3 x IEC 560  
 Templating Temperature: 60 Degrees

DATE:  
 26 Sep 2013  
**Sheet 33/35**

Engineer Line Design: B Ntshuntsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo





100.0 m  
Horiz. Scale

10.0 m  
Vert. Scale



Drawing No: **PRELIM PROFILES**

Revision Information: 0

Marblehall Rockdale B 400kV Line

Structure Family: 529A and 518 SERIES

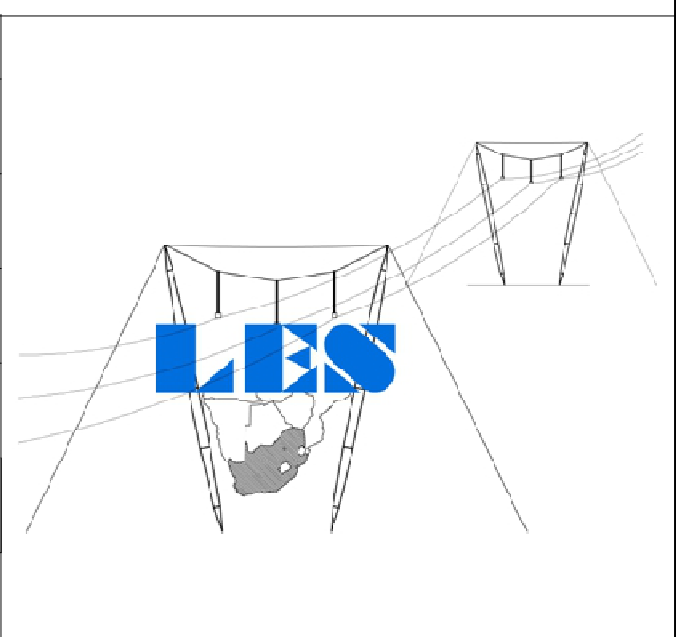
Conductor: 3 x IEC 560

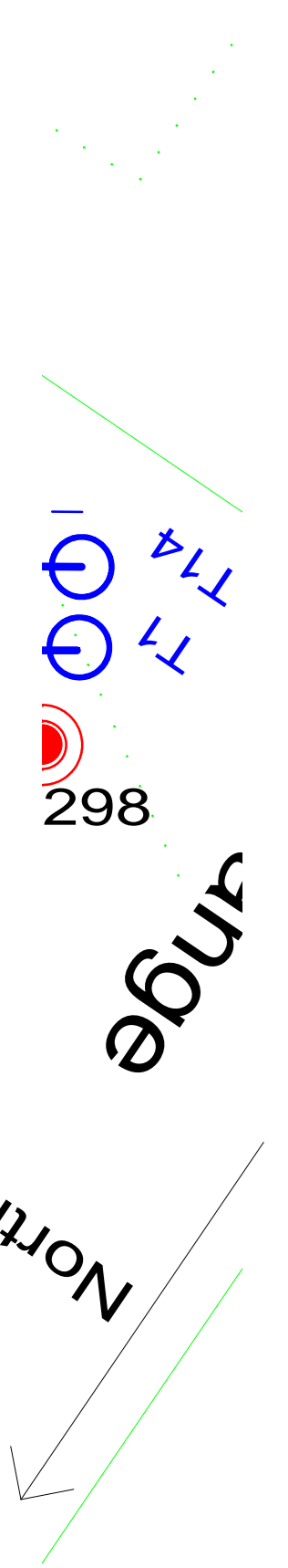
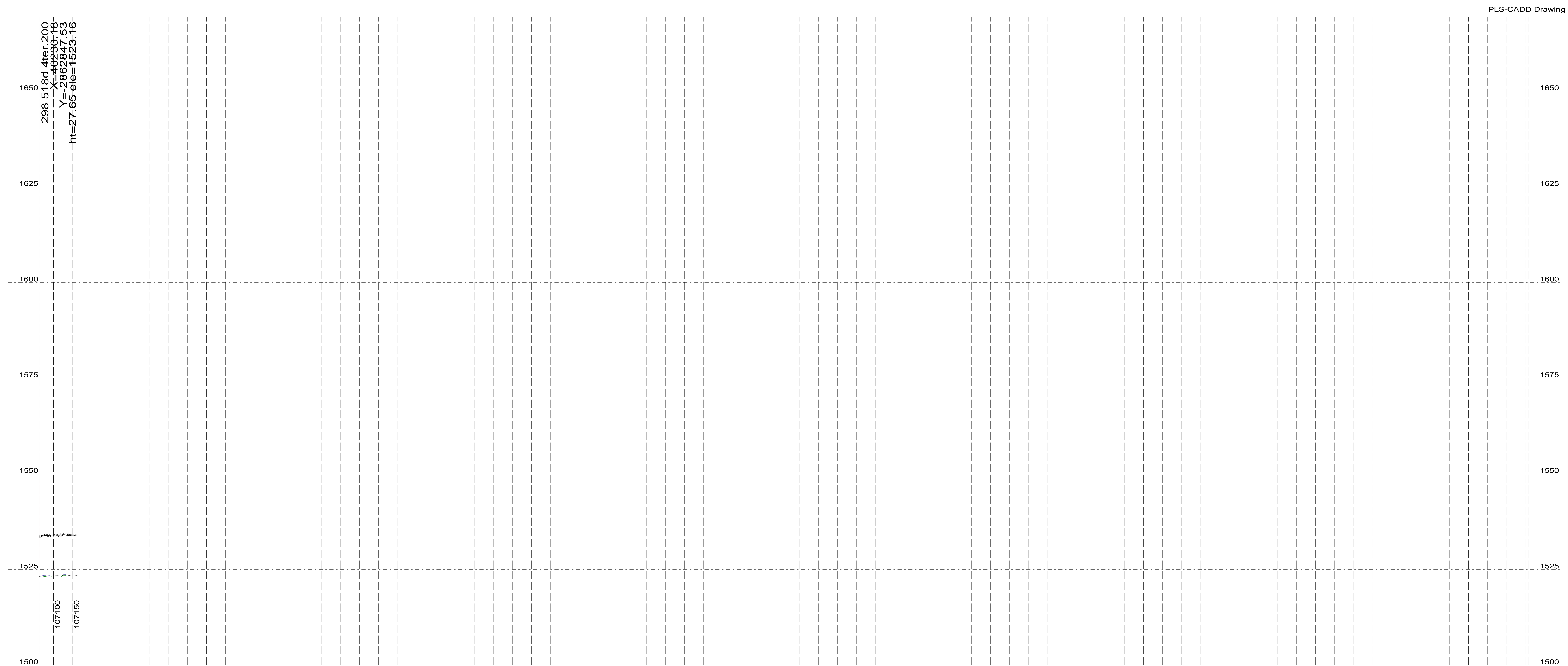
Templating Temperature: 60 Degrees

DATE:  
26 Sep 2013

Sheet 34/35

Engineer Line Design: B Ntshuntsha
Senior Environmental Advisor:
Field Environmental Data:
Negotiator:
Survey:
Mapping:
Profiles Approved: Viven Naidoo





100.0 m  
Horiz. Scale

10.0 m  
Vert. Scale



**Drawing No: PRELIM PROFILES**

Revision Information: 0

**Marblehall Rockdale B 400kV Line**

Structure Family: 529A and 518 SERIES

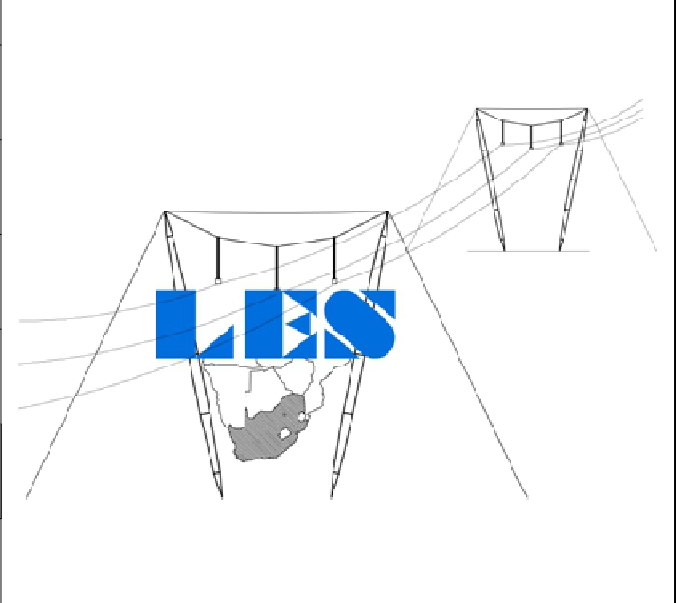
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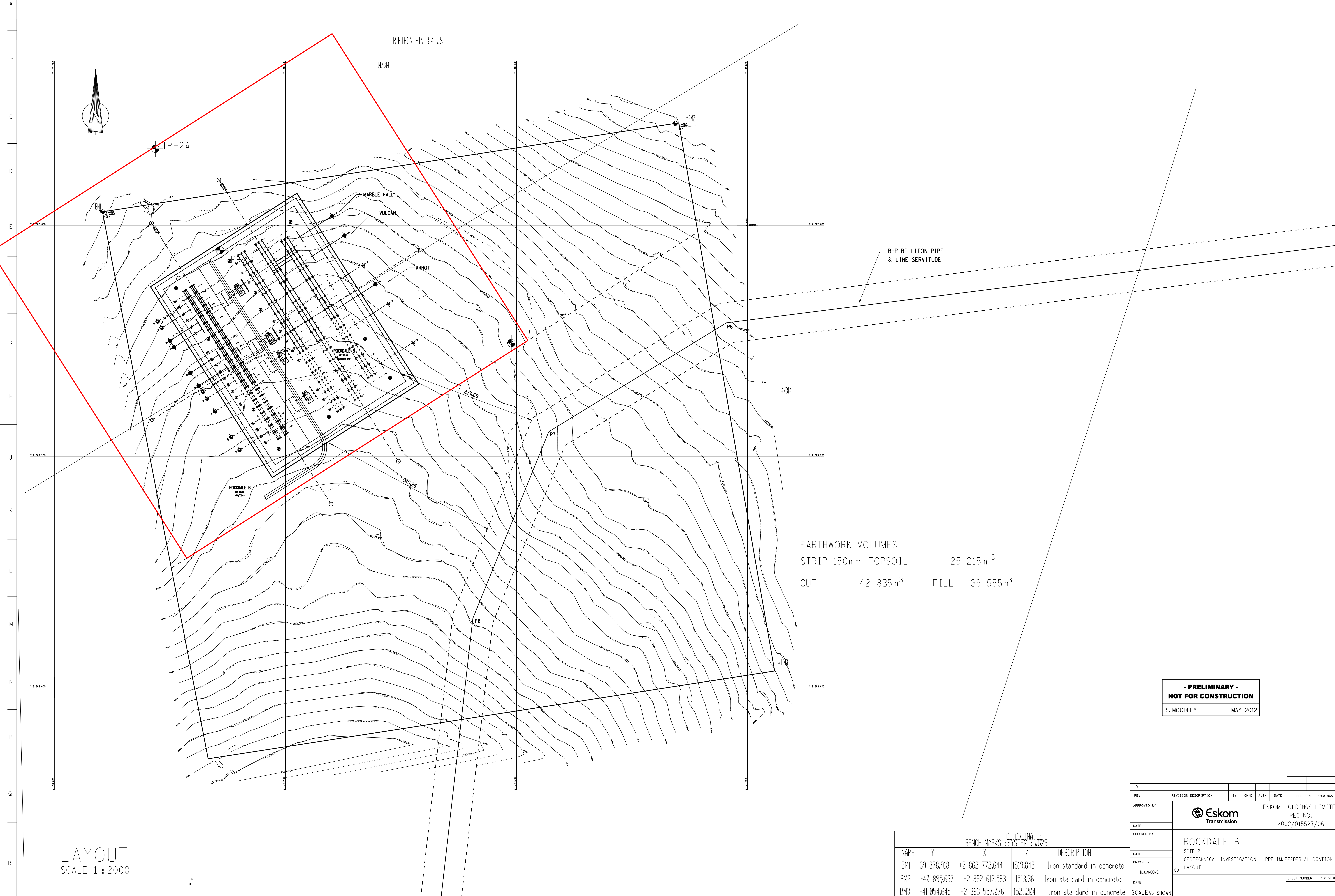
Templating Temperature: 60 Degrees

DATE:  
26 Sep 2013

**Sheet 35/35**

Engineer Line Design: B Ntshuntsha  
 Senior Environmental Advisor:  
 Field Environmental Data:  
 Negotiator:  
 Survey:  
 Mapping:  
 Profiles Approved: Viven Naidoo





EARTHWORK VOLUMES  
 STRIP 150mm TOPSOIL - 25 215m<sup>3</sup>  
 CUT - 42 835m<sup>3</sup> FILL 39 555m<sup>3</sup>

**- PRELIMINARY -**  
**NOT FOR CONSTRUCTION**  
 S. MOODLEY MAY 2012

LAYOUT  
 SCALE 1 : 2000

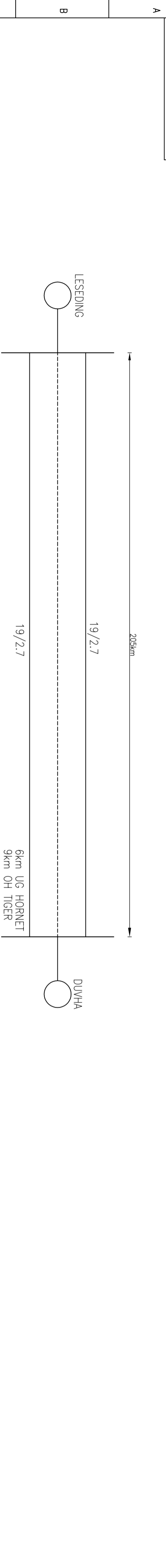
CO-ORDINATES				
BENCH MARKS : SYSTEM : WGS 84				
NAME	Y	X	Z	DESCRIPTION
BM1	-39 878.918	+2 862 772.644	1519.848	Iron standard in concrete
BM2	-40 895.637	+2 862 612.583	1513.361	Iron standard in concrete
BM3	-41 054.645	+2 863 557.076	1521.204	Iron standard in concrete

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REFERENCE DRAWINGS
0						

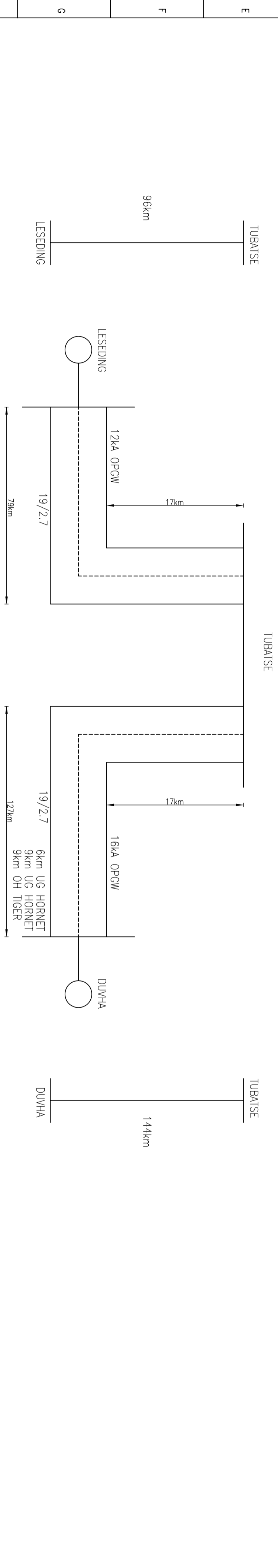
  

APPROVED BY		ESKOM HOLDINGS LIMITED REG NO. 2002/015527/06
DATE		
CHECKED BY	ROCKDALE B SITE 2 GEOTECHNICAL INVESTIGATION - PRELIM. FEEDER ALLOCATION LAYOUT	SHEET NUMBER    REVISION
DATE		
DRAWN BY D.JANOVE		
SCALE AS SHOWN		

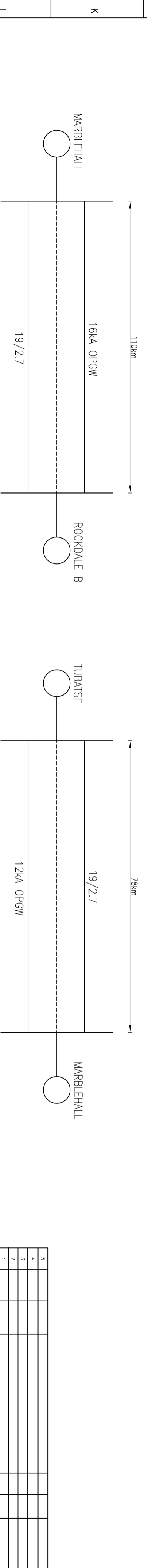
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EXISTING  
515  
528  
529  
3 TERN



PROPOSED  
515  
529  
3 TERN



PROPOSED  
518  
529  
3 IEC560

PROPOSED  
517  
529  
3 TERN

REV	DATE	BY	CHKD
5			
4			
3			
2			
1			
0			

CLIENT:	ESKOM
TITLE:	STEELPOORT INTERGRATION GROUNDWIRE STUDY
DRAWN: K.G.SA	DATE: 11/10/13
CHECKED:	
APPROVED:	
DRAWING No:	ST-001
SHEET	REV
0	0
SIZE: A1	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

M L K J H G F E D C B A