

Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01097 Number: IVB-D97

Site type: Borehole

Distr./Farm No.:

Site Name/Desc.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D97

Y Coord. [m]: -78942.041

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 41.00

X Coord. [m]: 2948616.77

Alt. No. 2: PL-10D

Site status: in use

Collar h. [m]: 0.56

Altitude [m]: 1483.20

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 165

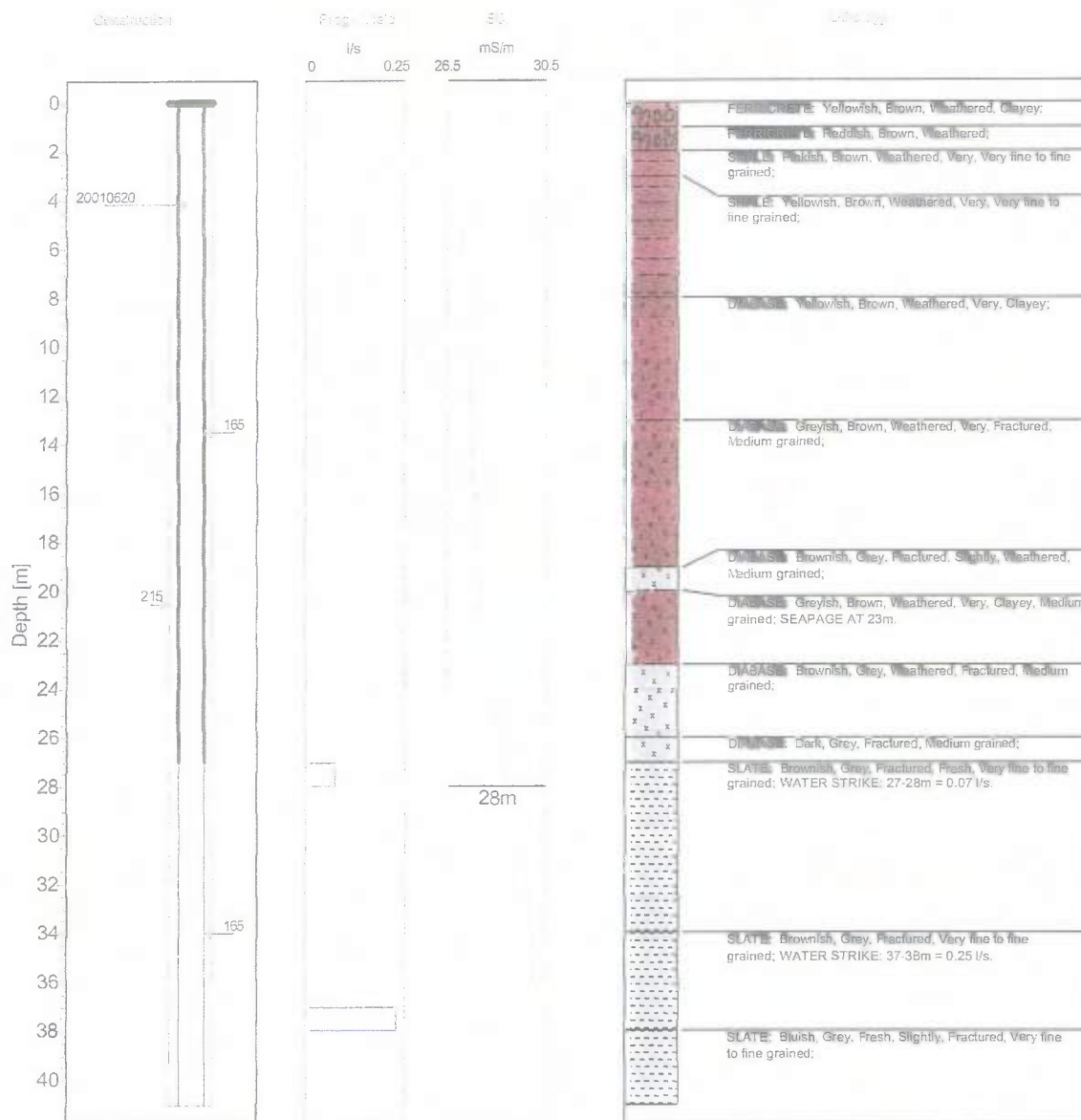
Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

Construction and Geotechnical Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01098 Number: IVB-D98 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D98

Region Type:

Region Descr.: STEELVALLY / WESTERN BOUNDARY / DAM

Y Coord. [m]: -79577.749

Reg./BB.:

Topo-set.: Flat surface, plain

Depth [m]: 31.00

X Coord. [m]: 2947999.548

G-Nr.:

Site status: In use

Col. ht. [m]: 0.63

Altitude [m]: 1490.23

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const. Contractor

Constr. meth.

Type finish

Development Method

Special treatment

Constr. cost

20010614 EDMS

Air percussion

Open bottom

Pumped with air

0 Pumped with

0.00

HOLE DIAMETER:

Rep. Inst.

Depth to Top [m]

Depth to Bottom [m]

Diameter [mm]

Date const.

Comment

JMA

0.00

26.00

215

20010614

ROTARY PERC.

JMA

26.00

31.00

165

20010614

ROTARY PERC.

CASING DETAILS:

Date inst.

Dep. to top [m]

Bot. [m]

Diam. [mm]

Material

Thickn. [mm]

Opening Type

Length

Width

Hori. dist.

Vert. dist.

20010614

0.00

19.00

165

Steel

3

Plain casing

0

0

0

0

20010614

19.00

26.00

165

Steel

3

Perforated or slotted

150

4

178

385

AQUIFER:

Rep. Inst.

Depth to Top [m]

Bot. [m]

Yield [l/s]

Method meas.

Aquifer type

Info source

Comment

JMA

21.00

22.00

0.01

Estimated

Fractured

Geologist, technician,

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

Colour Primary

Secondary

Texture

Feature Primary

Secondary

0.00

1.00

SOIL

Brown

Dark

Sandy

1.00

3.00

FERRICRETE

Brown

Reddish

Clayey

Gravel-bearing

3.00

6.00

FERRICRETE

Brown

Reddish

Clayey

6.00

8.00

SHALE

Brown

Pinkish

Very fine to fine

Weathered

Clayey

8.00

10.00

SHALE

Brown

Dark

Very fine to fine

Weathered

Clayey

10.00

13.00

DIABASE

Brown

Yellowish

Weathered

Clayey

13.00

16.00

DIABASE

Brown

Greyish

Medium

Weathered

Clayey

16.00

18.00

DIABASE

Brown

Dark

Medium

Weathered

Clayey

18.00

24.00

DIABASE

Brown

Greyish

Medium

Weathered

Fractured

24.00

26.00

DIABASE

Grey

Dark

Medium

Fresh

Fractured

26.00

31.00

DIABASE

Grey

Dark

Medium

Fresh

WATER LEVEL:

Meth. meas.

Level status

Piez. Info source

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Geologist,

20010620

1000

0.00

4.21

SLUG TEST

Electrical contact

Static

0

Field checked

20010828

0800

0.00

4.71

TESTING DETAILS:

Description

Date started

Durat. [s]

Depth to intk. [m]

Disch. rate [l/s]

Drawd. [m]

Recovery: [m] %

[min]

Trans. [m³/d]

Perm. [mld]

Storat.

Comment

SLUGTEST

20010706

1800

0

0

0

0

0

0

0

0

0

0

0.049

0

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01098 Number: IVB-D98

Site type: Borehole

Distr./Farm No.:

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D98

Y Coord. [m]: -79577.749

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 31.00

X Coord. [m]: 2947999.55

Alt. No. 2: PL-9D

Site status: In use

Collar h. [m]: 0.63

Altitude [m]: 1490.23

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

Construction and Geology Log



COMMENT:

Page 1

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01099 Number: IVB-D99 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D99

Region Type:

Region Descr.: STEELVALLY / WESTERN BOUNDARY

Y Coord. [m]: -80079.557	Reg. IBB.:	Topo-set.: Flat surface, plain	Depth [m]: 31.00
X Coord. [m]: 2947011.927	G-Nr.:	Site status: In use	Col. ht. [m]: 0.59
Altitude [m]: 1485.06		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special treatment	Constr. cost
20010615	EDMS	Air percussion	Open bottom	Pumped with air	0 Pumped with	0.00

HOLE DIAMETER:

Rep. inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	27.00	215	20010615	ROTARY PERC.
JMA	27.00	31.00	165	20010615	ROTARY PERC.

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010615	0.00	20.00	165	Steel	3	Plain casing	0	0	0	0
20010615	20.00	27.00	165	Steel	3	Perforated or slotted	150	4	178	385

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	20.00	21.00	0.02	Estimated	Fractured	Geologist, technician,	
JMA	25.00	26.00	0.88	Estimated	Fractured	Geologist, technician,	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	0.50	SOIL	Brown	Dark			
0.50	2.00	FERRICRETE	Brown	Yellowish		Gravel-bearing	Clayey
2.00	3.00	SHALE	Brown	Greyish	Very fine to fine	Weathered	
3.00	8.00	SHALE	Brown	Yellowish	Very fine to fine	Weathered	
8.00	9.00	SHALE	Brown	Dark	Very fine to fine	Weathered	
9.00	10.00	SLATE	Brown	Greyish	Very fine to fine	Weathered	
10.00	14.00	SLATE	Brown	Dark	Very fine to fine	Weathered	
14.00	17.00	SLATE	Brown	Greyish	Very fine to fine	Weathered	Clayey
17.00	19.00	SLATE	Brown	Greyish	Very fine to fine	Weathered	Fractured
19.00	26.00	SLATE	Brown	Dark	Very fine to fine	Weathered	Fractured
26.00	27.00	SLATE	Grey	Bluish	Very fine to fine	Fresh	Carbonaceous
27.00	31.00	SLATE	Grey	Bluish	Very fine to fine	Fresh	Hard

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Geologist,	20010620	1030	0.00	3.96	SLUG TEST
Electrical contact	Static	0	Field checked	20010828	1150	0.00	4.18	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	%	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010706	1500	0	0	0	0	0	0	0.388	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

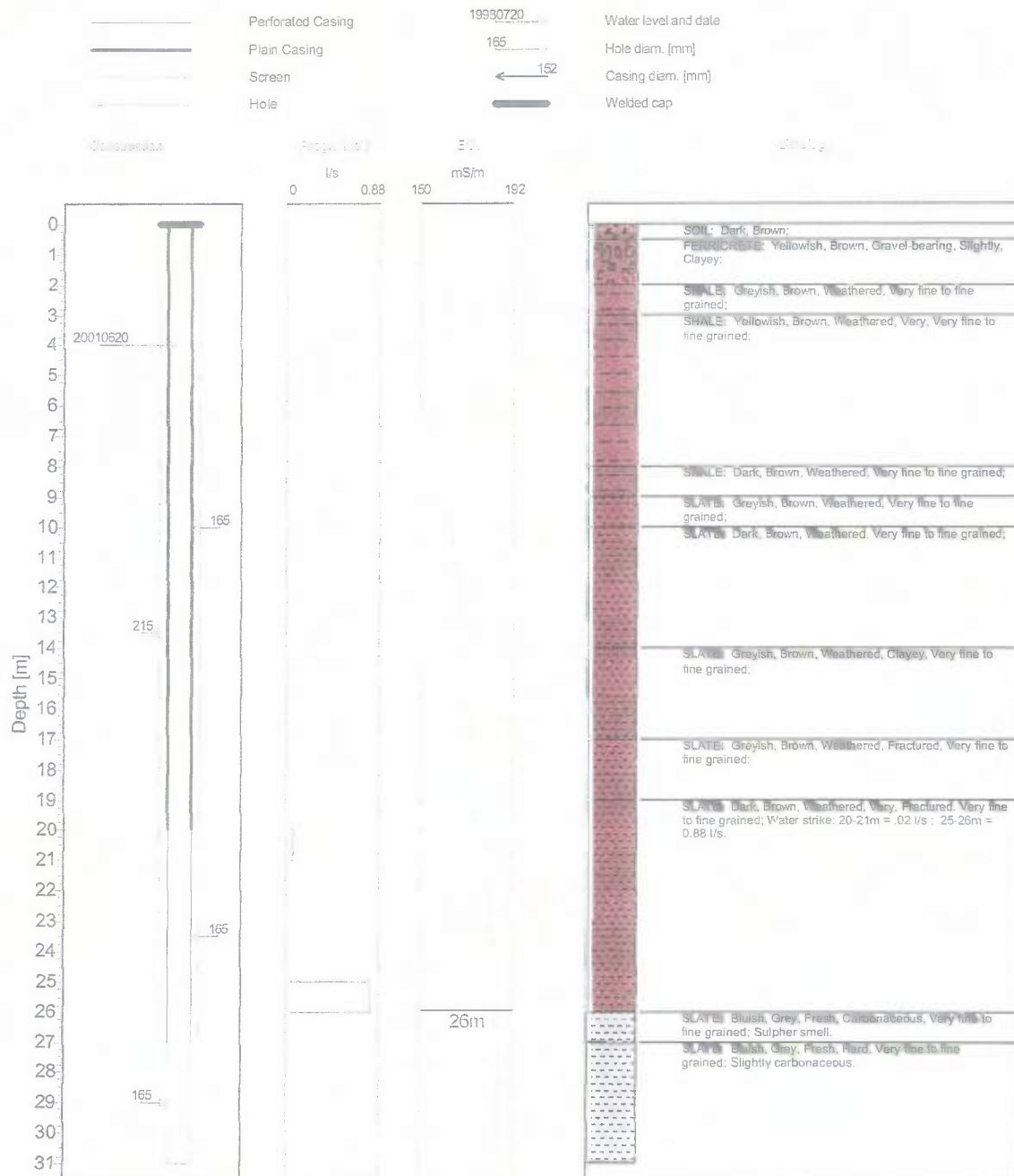
Date compiled: 11/6/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01099 Number: IVB-D99 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D99

Y Coord. [m]: -80079.557	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 31.00
X Coord. [m]: 2947011.93	Alt. No. 2: PL-6D	Site status: In use	Collar h. [m]: 0.59
Altitude [m]: 1485.06		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrology Legend



COMMENT:

Page 1

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01100 Number: IVB-D100 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D10

Region Type:

Region Descr.: NORTH WORKS OPEN AREAS

Y Coord. [m]: -84803.509	Reg./BB.: CS18	Topo-set.: Flat surface, plain	Depth [m]: 35.00
X Coord. [m]: 2948701.742	G-Nr.:	Site status: In use	Col. ht. [m]: 0.45
Altitude [m]: 1492.04		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 130
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special Durat. treatment	Constr. cost
20010617	EDMS	Air percussion	Open bottom	Pumped with air	0 Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	21.00	215	20010617	ROTARY PERC
JMA	21.00	35.00	165	20010617	ROTARY PERC

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010617	0.00	23.00	130	Steel	3	Plain casing				
	20010617	0.00	25.00	165	Steel	3	Plain casing	0	0	0	0
	20010617	23.00	35.00	130	Steel	3	Perforated or slotted	25	2	25	10

AQUIFER:	Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
	JMA	23.00	24.00	2.00	Estimated	Fractured	Geologist, technician,	
	JMA	28.00	29.00	0.50	Notch (V- or U-notch)		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	FERRICRETE	Brown	Dark			
	2.00	7.00	SOIL	Brown	Dark			
	7.00	18.00	CLAY	Brown	Light			
	18.00	23.00	DIABASE	Brown			Weathered	
	23.00	25.00	DIABASE	Grey	Brownish	Medium	Fractured	
	25.00	28.00	DIABASE	Brown	Greyish		Broken	
	28.00	31.00	SHALE	Grey	Brownish		Broken	
	31.00	35.00	SHALE	Grey			Solid	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Geologist,	20010629	1300	0.00	5.70	SLUGTEST
	Electrical contact	Static	0	Geologist,	20011005	0735	0.00	1.68	
	Electrical contact	Static	0	Geologist,	20011008	1535	0.00	1.73	
	Electrical contact	Static	0	Geologist,	20011011	1030	0.00	1.76	SLUGTEST

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010706	800	0	0	0	0	0	0	0.016	0	
SLUGTEST	20011011	1500	0						0.323		

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

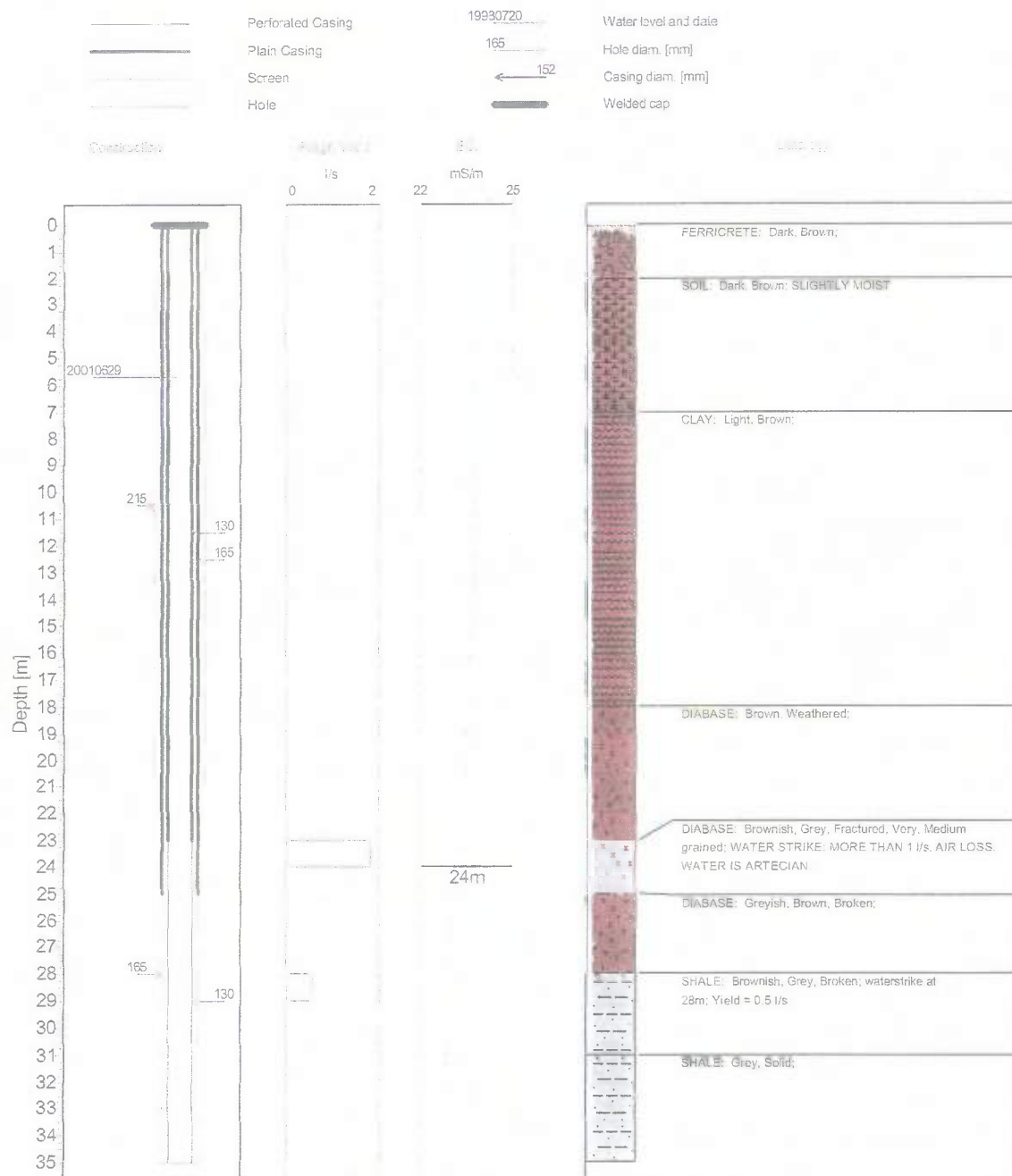
Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01100 Number: IVB-D100 Site type: Borehole

Distr./Farm No.: Site Name/Dscr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D10

Y Coord. [m]: -84803.509	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 35.00
X Coord. [m]: 2948701.74	Alt. No. 2: P22D	Site status: In use	Collar h. [m]: 0.45
Altitude [m]: 1492.04		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 130
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geology Log



COMMENT:

Page 1

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01101 Number: IVB-D101 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D101

Region Type:

Region Descr.: EVAPORATION DAMS 1-4

Y Coord. [m]:	-81368.372	Reg.IBB.: CS07	Topo-set.:	Flat surface, plain	Depth [m]:	35.00
X Coord. [m]:	2945706.63	G-Nr.:	Site status:	In use	Col. ht. [m]:	0.47
Altitude [m]:	1488.81		Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 1 unit		Use applic.:	Industrial - industrial	Diam. [mm]:	165
Coord. meth.:	Global Positioning System		Equipment:	No equipment	Rep. inst.:	JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010620	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	18.00	215	20010620	ROTARY PERC
JMA	18.00	35.00	165	20010620	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010620	0.00	13.00	165	Steel	3	Plain casing	0	0	0	0
20010620	13.00	18.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	16.00	17.00	1.30	Estimated	Fractured	Geologist, technician,	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Black				
1.00	4.00	SHALE	Brown	Light		Weathered	
4.00	7.00	SHALE	Purple	Light	Very fine to fine	Weathered	
7.00	12.00	DIABASE	Brown	Yellowish	Medium	Weathered	
12.00	21.00	DIABASE	Brown	Greyish	Medium	Fractured	
21.00	35.00	DIABASE	Grey	Dark	Medium	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010815	1133	0.00	2.07	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010724	30	0	0	0	0	0	0	5.504	0

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/6/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01101 Number: IVB-D101

Site type: Borehole

Distr./Farm No.:

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D101

Y Coord. [m]: -81368.372

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 35.00

X Coord. [m]: 2945706.63

Alt. No. 2: PL-5D

Site status: In use

Collar h. [m]: 0.47

Altitude [m]: 1488.81

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

Construction and Geological Legend



Perforated Casing

Plain Casing

Screen

Hole

19980720

165

152

Water level and date

Hole diam. [mm]

Casing diam. [mm]

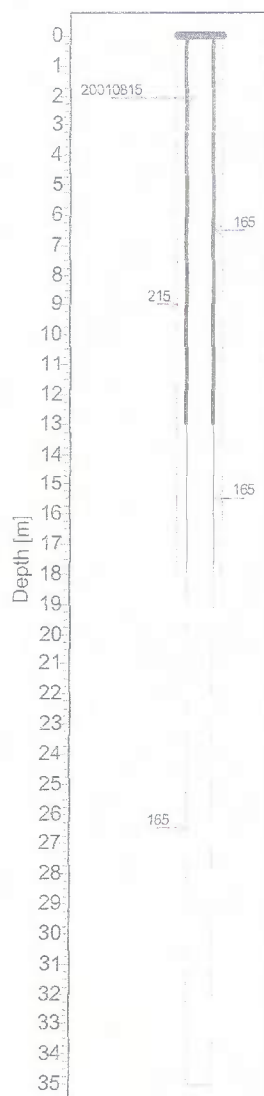
Welded cap

Construction

Depth [m]

Flow

Log



0 1.3 33.8 36.2

l/s

mS/m

17m

SOIL: Black;
SHALE: Light, Brown, Weathered, Very;
SHALE: Light, Purple, Weathered, Very fine to fine grained;
DIABASE: Yellowish, Brown, Weathered, Medium grained;
DIABASE: Greyish, Brown, Fractured, Medium grained; Water strike: 16 - 17m = 1.3 l/s.
DIABASE: Dark, Grey, Fresh, Medium grained;

COMMENT:

Page 1



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01102 Number: IVB-D102 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D102

Region Type:

Region Desc.: STEELVALLY / WESTERN BOUNDARY

Y Coord. [m]: -78841.03	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 35.00
X Coord. [m]: 2947062.264	G-Nr.:	Site status: In use	Col. ht. [m]: 0.49
Altitude [m]: 1483.27		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010621	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	18.00	215	20010621	ROTARY PERC
JMA	18.00	35.00	165	20010621	ROTARY PERC

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010621	0.00	18.00	165	Steel	3	Plain casing	0	0	0	0

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	19.00	20.00	0.20	Estimated	Fractured	Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown	Dark			
	2.00	3.00	BOULDERS	Brown				
	3.00	11.00	SHALE	Brown	Yellowish		Weathered	
	11.00	14.00	SHALE	Brown	Light	Very fine to fine	Weathered	
	14.00	16.00	DIABASE	Brown		Medium	Weathered	
	16.00	17.00	DIABASE	Brown	Greyish	Medium	Weathered	
	17.00	22.00	DIABASE	Grey	Brownish	Medium	Fractured	
	22.00	35.00	DIABASE	Grey	Dark	Medium	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010828	1310	0.00	7.34	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010724	1200	0	0	0	0	0	0.156	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

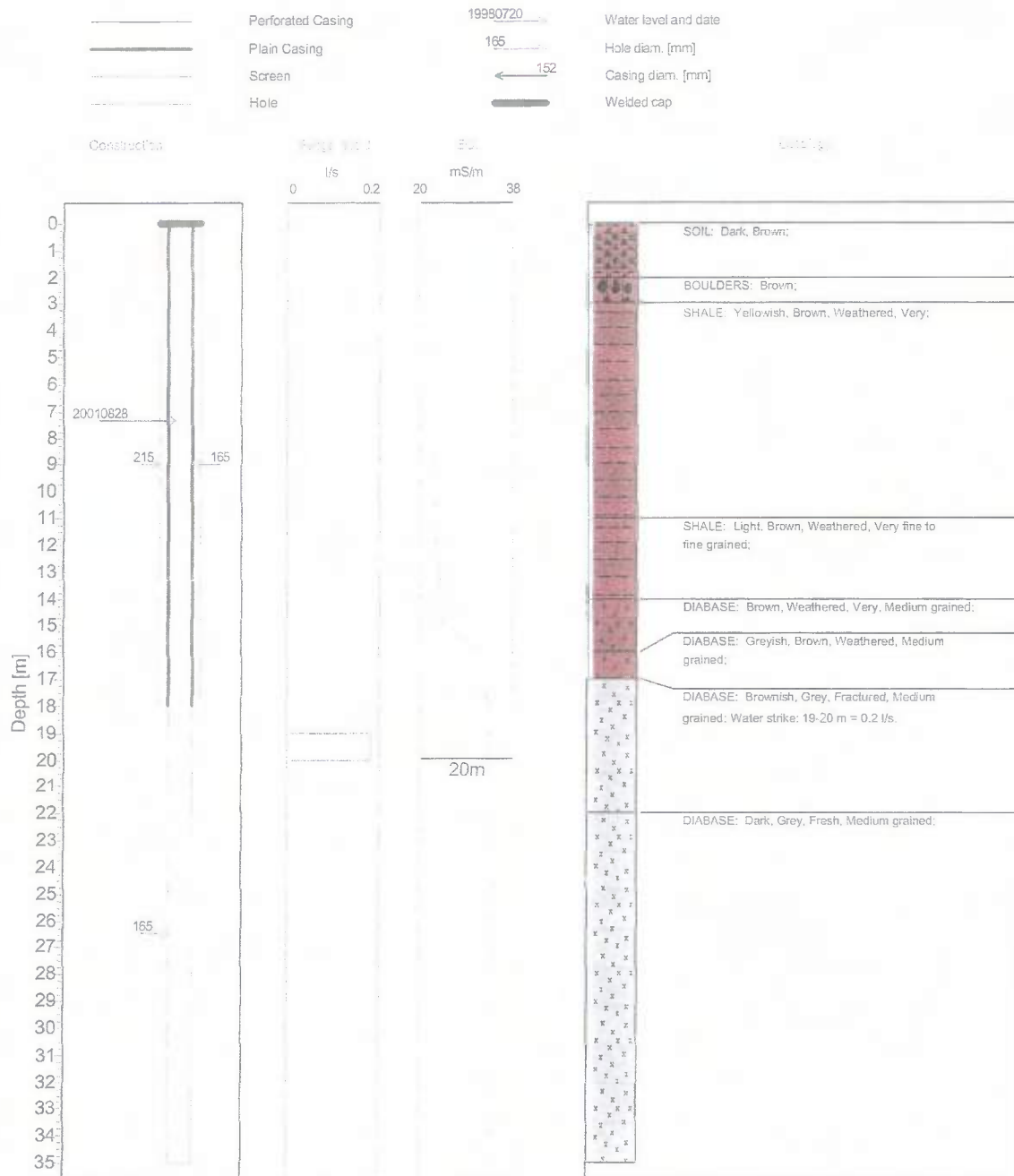
Date compiled: 11/6/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01102 Number: IVB-D102 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D102

Y Coord. [m]: -78841.030	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 35.00
X Coord. [m]: 2947062.26	Alt. No. 2: PL-8D	Site status: In use	Collar h. [m]: 0.49
Altitude [m]: 1483.27		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

Page 1

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01103 Number: IVB-D103 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D103

Region Type:

Region Desc.: STEELVALLY / WESTERN BOUNDARY

Y Coord. [m]: -79198.923	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 28.00
X Coord. [m]: 2946927.869	G-Nr.:	Site status: In use	Col. ht. [m]: 0.39
Altitude [m]: 1482.91		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special treatment	Constr. cost
20010621	EDMS	Air percussion	Open bottom	Pumped with air	0 Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	12.00	215	20010621	ROTARY PERC
JMA	12.00	28.00	165	20010621	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010621	0.00	12.00	165	Steel	3	Plain casing	0	0	0	0
20010621	0.00	7.00	130	Steel	3	Perforated or slotted	250	2	43	250

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Brown			Gravel-bearing	
1.00	5.00	DIABASE	Brown	Light		Weathered	
5.00	8.00	DIABASE	Grey	Light	Medium	Weathered	
8.00	18.00	DIABASE	Grey	Dark	Medium	Fractured	
18.00	28.00	DIABASE	Grey	Dark	Medium	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010829	0730	0.00	7.27	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: %	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010724	1500	0	0	0	0 0 0	0	0.011	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

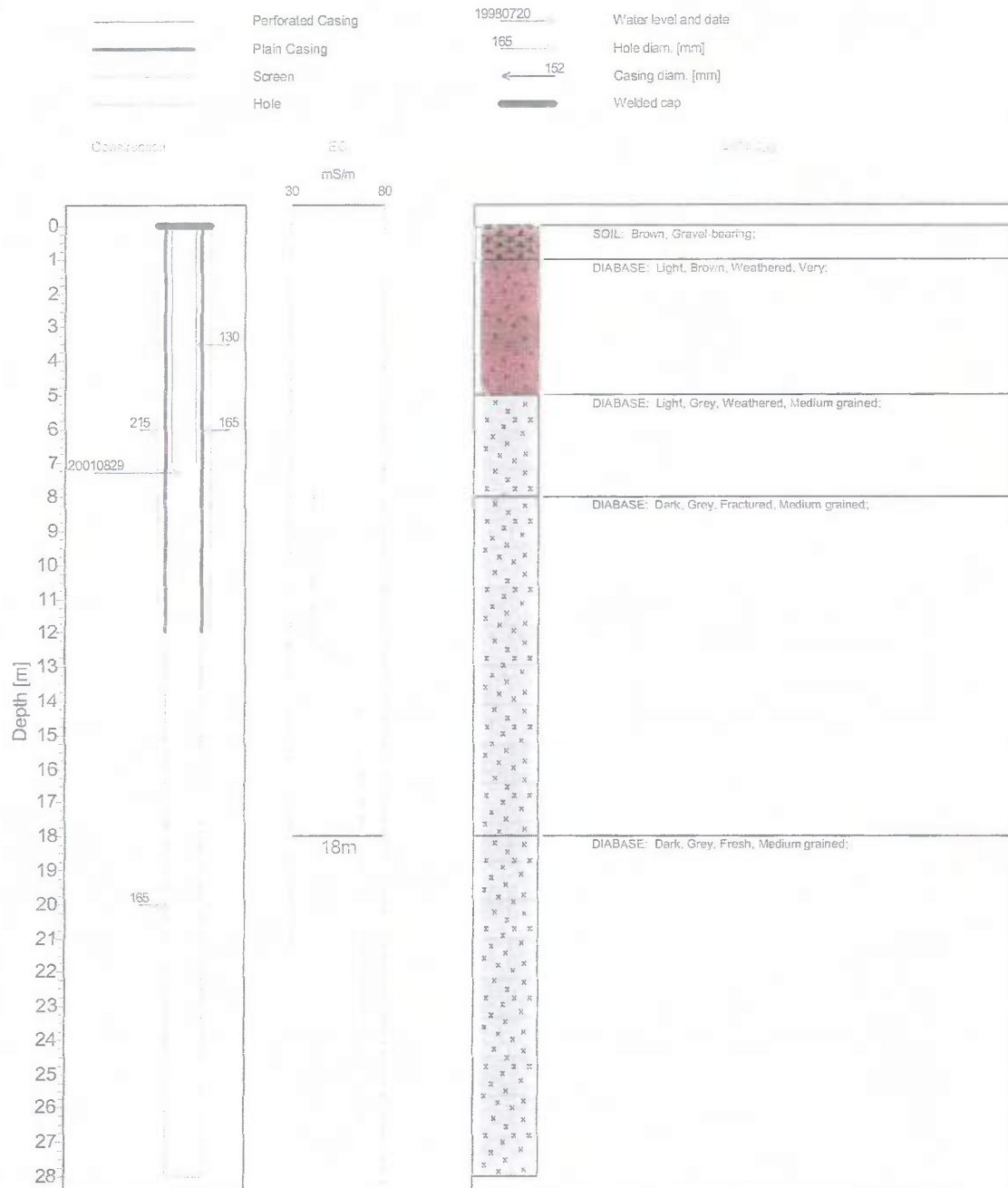
Date compiled: 11/6/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01103 Number: IVB-D103 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D103

Y Coord. [m]: -79198.923	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 28.00
X Coord. [m]: 2946927.87	Alt. No. 2: PL-7D	Site status: In use	Collar h. [m]: 0.39
Altitude [m]: 1482.91		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applc.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geology Log



COMMENT:

Page 1

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01104 Number: IVB-D104 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D10

Region Type:

Region Descr.: SLAG DUMP

Y Coord. [m]: -81312.762	Reg./BB.: CS07	Topo-set.: Flat surface, plain	Depth [m]: 31.00
X Coord. [m]: 2946813.49	G-Nr.:	Site status: In use	Col. ht. [m]: 0.28
Altitude [m]: 1490.98		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special treatment	Constr. cost
20010622	EDMS	Air percussion	Open bottom	Pumped with air	0 Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	18.00	215	20010622	ROTARY PERC
JMA	18.00	31.00	165	20010622	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010622	0.00	18.00	165	Steel	3	Plain casing	0	0	0	0

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	20.00	21.00	0.40	Estimated	Fractured	Geologist, technician,	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	2.00	SOIL	Black				
2.00	5.00	SOIL	Brown	Dark			
5.00	13.00	CLAY	Brown	Yellowish			
13.00	16.00	SHALE	Brown			Weathered	
16.00	18.00	SHALE	Brown			Weathered	
18.00	22.00	SHALE	Grey	Brownish	Very fine to fine	Fractured	
22.00	31.00	SHALE	Grey	Light	Very fine to fine	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010815	1315	0.00	3.48	
Electrical contact	Static	0	Field checked	20011011	1345	0.00	3.42	SLUGTEST

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	%	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010724	600	0	0	0	0	0	0	0.689	0	
SLUGTEST	20011011	900	0						0.354		

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

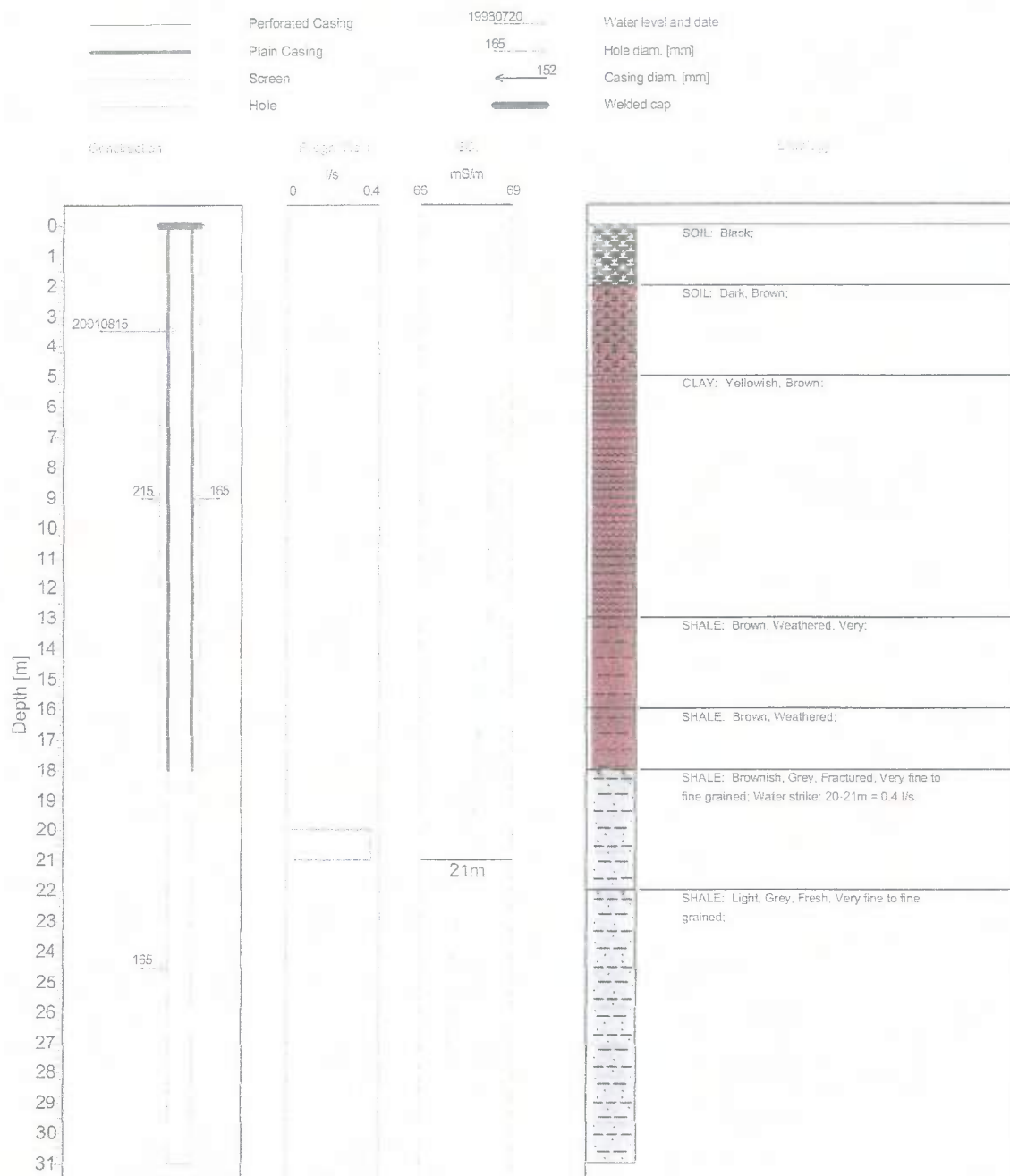
Borehole Construction and Geological Log

Date compiled: 11/6/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01104 Number: IVB-D104 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D10

Y Coord. [m]: -81312.762	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 31.00
X Coord. [m]: 2946813.49	Alt. No. 2: P7D	Site status: In use	Collar h. [m]: 0.28
Altitude [m]: 1490.98		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geology Log



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01105 Number: IVB-D105 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D105

Region Type:

Region Descr.: ELECTRO SLAG AREA / SECONDARY INDUS

Y Coord. [m]: -79808.054	Reg. IBB.:	Topo-set.: Flat surface, plain	Depth [m]: 35.00
X Coord. [m]: 2952125.537	G-Nr.:	Site status: In use	Col. ht. [m]: 0.23
Altitude [m]: 1492.89		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special treatment	Constr. cost
20010622	EDMS	Air percussion	Open bottom	Pumped with air	0 Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	35.00	215	20010622	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010622	0.00	19.50	165	Steel	3	Plain casing	0	0	0	0
20010622	19.50	35.00	165	Steel	3	Perforated or slotted	250	2	43	250

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Brown	Dark			
1.00	3.00	CLAY	Brown	Light			
3.00	12.00	CLAY	Brown	Yellowish			
12.00	19.00	CLAY	Brown	Reddish			
19.00	23.00	SHALE	Brown			Weathered	
23.00	35.00	SHALE	Black		Very fine to fine	Fresh	Carbonaceous

WATER LEVEL:

Meth. meas.	Level status	Piez. Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0 Field checked	20011005	1155	0.00	4.13	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010724	1500	0	0	0	0 0 0	0	0.005	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01105 Number: IVB-D105

Site type: Borehole

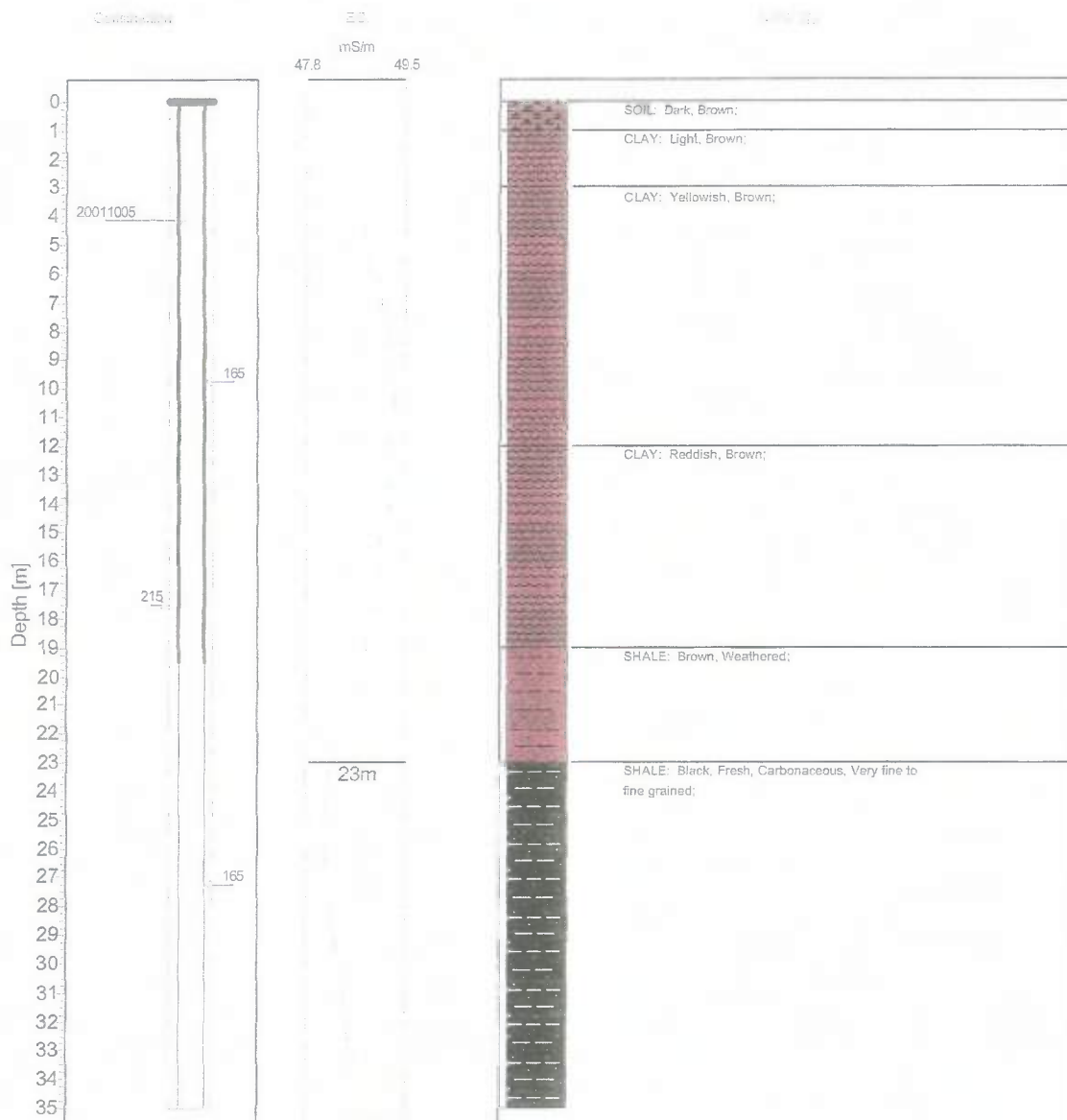
Distr./Farm No.:

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D105

Y Coord. [m]: -79808.054	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 35.00
X Coord. [m]: 2952125.54	Alt. No. 2: PL-13D	Site status: In use	Collar h. [m]: 0.23
Altitude [m]: 1492.89		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geotechnical Legend

	Perforated Casing	19990720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01106 Number: IVB-D106 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D106

Region Type:

Region Descr.: HECKETTS AREA / BOFSLAG / SCRAP MET

Y Coord. [m]:	-81829.15	Reg.IBB.:	Topo-set.:	Flat surface, plain	Depth [m]:	35.00
X Coord. [m]:	2951890.59	G-Nr.:	Site status:	In use	Col. ht. [m]:	0.42
Altitude [m]:	1505.81		Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 10 units		Use applic.:	Industrial - industrial	Diam. [mm]:	165
Coord. meth.:			Equipment:	No equipment	Rep. inst.:	JMA

HOLE DIAMETER:

Rep. inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	35.00	215	20010713	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010713	0.00	24.00	165	Steel	3	Plain casing	0	0	0	0
20010713	24.00	30.00	165	Steel	3	Perforated or slotted	250	2	43	250

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	2.00	SOIL	Red	Dark			
2.00	5.00	SOIL	Brown				
5.00	23.00	CLAY	Brown				
23.00	25.00	CLAY	Yellow	Brownish			
25.00	30.00	DIABASE	Brown	Greyish		Weathered	
30.00	35.00	DIABASE	Grey			Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010903	1430	0.00	5.78	
Electrical contact	Static	0	Field checked	20011105	0853	0.00	5.62	SLUGTEST

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20011105	1500	0					0.039		

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01106 Number: IVB-D106

Site type: Borehole

Distr./Farm No.:

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D106

Y Coord. [m]: -81829.150

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 35.00

X Coord. [m]: 2951890.59

Alt. No. 2: PL-15D

Site status: In use

Collar h. [m]: 0.42

Altitude [m]: 1505.81

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

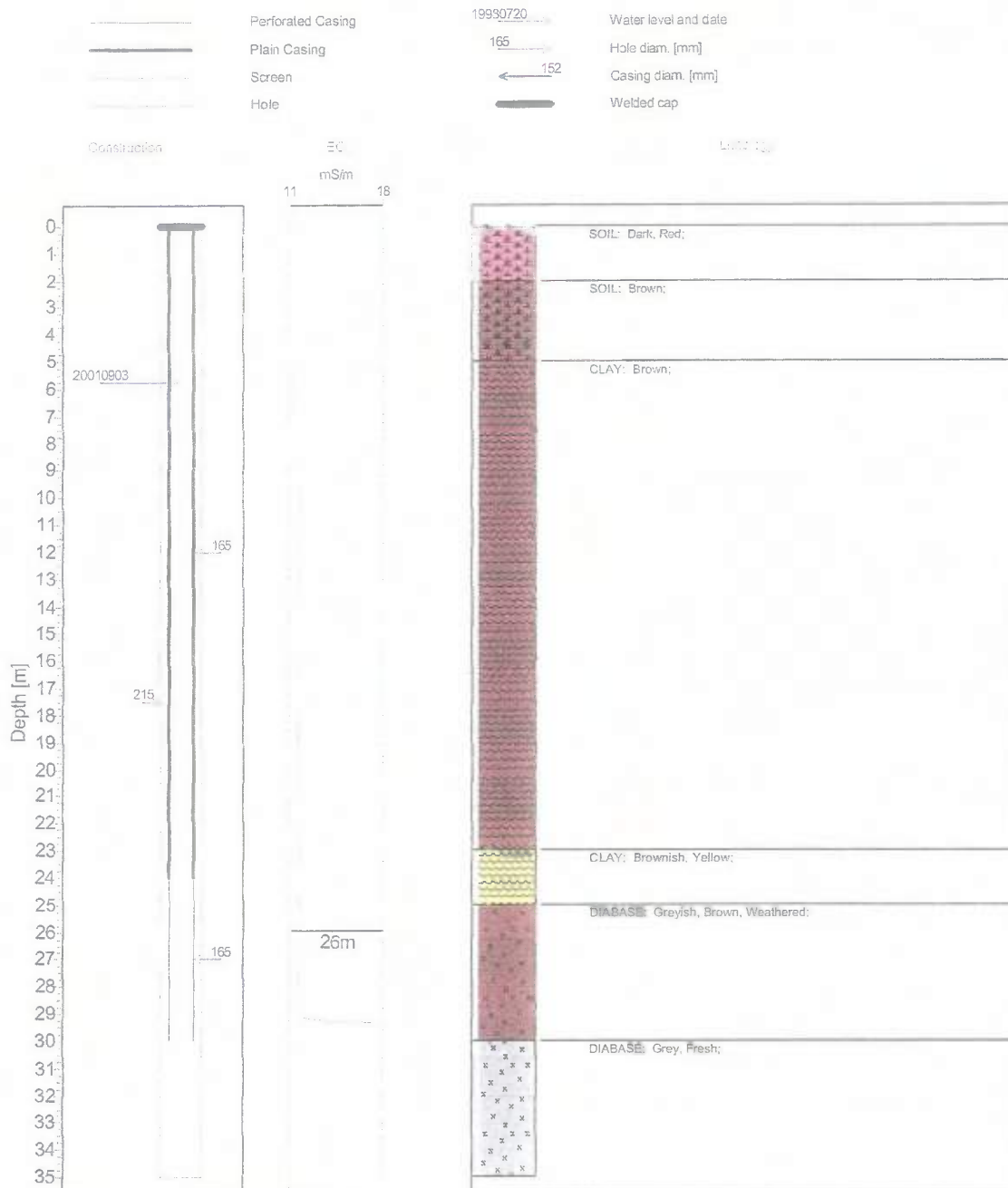
Diam. [mm]: 165

Coord. meth.:

Equipment: No equipment

Rep. inst.: JMA

Construction and Geotechnical Log



COMMENT:



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01107 Number: IVB-D107 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Region Type:

Region Descr.: LINKHOLM / DYKE / SOLID WASTE DUMP

Y Coord. [m]: -80401.491	Reg. IBB.:	Topo-set.: Flat surface, plain	Depth [m]: 33.00
X Coord. [m]: 2946491.885	G-Nr.:	Site status: In use	Col. ht. [m]: 0.54
Altitude [m]: 1484.31		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat. treatment	Special	Constr. cost
20010628	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	16.00	215	20010628	ROTARY PERC
JMA	16.00	33.00	165	20010628	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010628	0.00	16.00	165	Steel	3	Plain casing	0	0	0	0

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.50	SOIL	Grey	Dark			
1.50	4.00	CLAY	Grey	Light		Calcareous	
4.00	10.50	CLAY	Brown	Yellowish			
10.50	12.00	DOLERITE	Brown	Dark		Weathered	
12.00	14.00	DOLERITE	Grey	Brownish	Fine to medium	Fractured	
14.00	17.00	DOLERITE	Grey	Brownish	Fine to medium	Fractured	Fresh
17.00	33.00	DOLERITE	Grey		Fine to medium	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010817	1120	0.00	5.64	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: %	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010724	1500	0	0	0	0	0	0.023	0	

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Jasper Müller Associates cc.
 P O Box 883
 Delmas
 2210
 Tel: (013)665 1788
 E-mail: webmaster@jma-cc.co.za

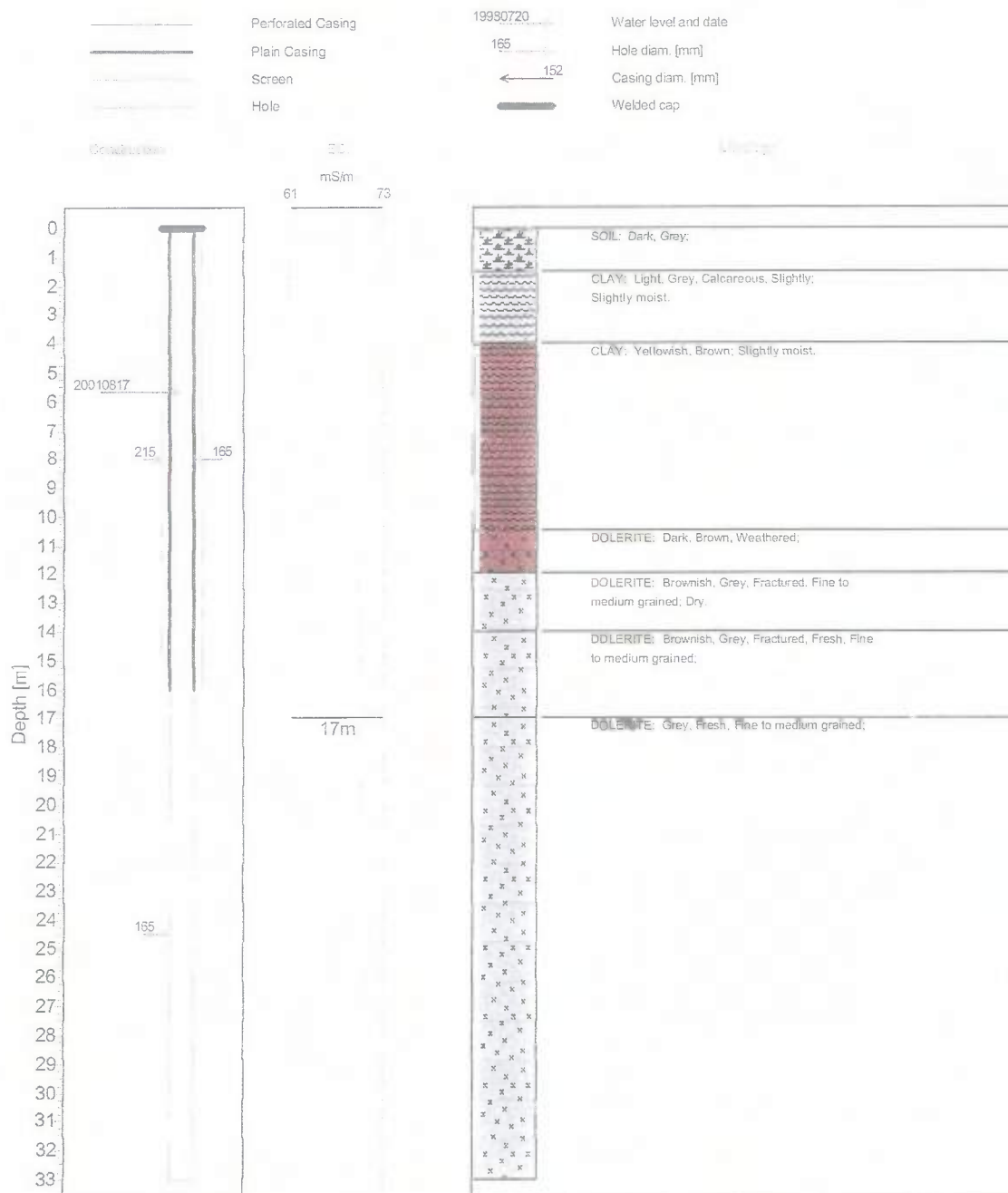
Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01107 Number: IVB-D107 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Y Coord. [m]: -80401.491	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 33.00
X Coord. [m]: 2946491.88	Alt. No. 2: GEO4D	Site status: In use	Collar h. [m]: 0.54
Altitude [m]: 1484.31		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geological Log Legend



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01108 Number: IVB-D108 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Region Type:

Region Descr.: LINKHOLM / DYKE / SOLID WASTE DUMP

Y Coord. [m]: -79476.336	Reg.IBB.:	Topo-set.: Flat surface, plain	Depth [m]: 33.00
X Coord. [m]: 2946392.216	G-Nr.:	Site status: In use	Col. ht. [m]: 0.44
Altitude [m]: 1479.51		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special treatment	Constr. cost
20010629	EDMS	Air percussion	Gravel pack with	Pumped with air	0 Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	19.00	215	20010629	AUGER
JMA	19.00	33.00	165	20010629	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010629	0.00	19.00	165	Steel	3	Plain casing	0	0	0	0
20010704	0.00	20.00	125	Steel	2	Plain casing	0	0	0	0
20010704	20.00	31.00	125	Steel	2	Perforated or slotted	300	4	150	300

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	17.00	19.00	0.30	Estimated	Fractured	Geologist, technician,	
JMA	25.00	28.00	6.00	Estimated	Fractured	Geologist, technician,	DYKE CONTACT

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.50	SOIL	Black	Greyish		Clayey	
1.50	4.00	CLAY	Grey	Light		Calcareous	
4.00	5.00	CLAY	Brown	Greyish			
5.00	8.00	CLAY	Brown	Yellowish		Pebbly	
8.00	9.00	SHALE	Brown			Weathered	
9.00	10.00	SHALE	Brown	Light		Weathered	
10.00	15.00	SHALE	Brown	Yellowish		Weathered	
15.00	17.00	SHALE	Brown	Olive		Weathered	
17.00	19.00	SHALE	Brown	Dark		Weathered	Fractured
19.00	25.00	SLATE	Brown	Dark	Very fine to fine	Weathered	Fractured
25.00	26.00	SLATE	Brown	Dark	Very fine to fine	Fractured	
26.00	28.00	DOLERITE	Grey	Dark	Fine to medium	Fractured	Fresh
28.00	31.00	DOLERITE	Grey	Dark	Fine to medium	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010817	1208	0.00	7.20	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: %	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010724	180	0	0	0	0 0 0	0	1.041	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Date compiled: 11/7/01

Site type: Borehole

Site Name/Desc.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Depth [m]: 33.00

Collar h. [ml]: 0.44

Drain. reg.: C220

Diam. [mm]: 125

Rep. inst.: JMA



SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01109 Number: IVB-D109 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Region Type:

Region Desc.: LINKHOLM / DYKE / SOLID WASTE DUMP

Y Coord. [m]: -78247.214	Reg. IBB.:	Topo-set.: Flat surface, plain	Depth [m]: 36.00
X Coord. [m]: 2946172.852	G-Nr.:	Site status: In use	Col. ht. [m]: 0.52
Altitude [m]: 1471.84		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special Durat. treatment	Constr. cost
20010705	EDMS	Air percussion	Gravel pack with	Pumped with air	0 Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	19.00	215	20010702	ROTARY PERC
JMA	19.00	36.00	165	20010702	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010702	0.00	19.00	165	Steel	3	Plain casing	0	0	0	0
20010705	0.00	22.00	125	Steel	2	Plain casing	0	0	0	0
20010705	22.00	33.00	125	Steel	2	Perforated or slotted	150	4	200	150

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	23.00	26.00	1.50	Estimated	Fractured		

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Grey	Dark		Clayey	
1.00	2.00	CLAY	Grey				
2.00	3.00	CLAY	Grey	Light		Calcareous	
3.00	4.00	CLAY	Brown	Greyish			
4.00	5.00	CLAY	Brown	Yellowish			
5.00	7.00	GRAVEL AND CLAY	Brown	Dark			
7.00	9.00	CLAY	Brown	Yellowish		Gravel-bearing	
9.00	16.00	CLAY	Brown	Yellowish			
16.00	20.00	DOLERITE	Brown	Yellowish		Weathered	Clayey
20.00	23.00	DOLERITE	Brown			Weathered	
23.00	26.00	DOLERITE	Brown	Greyish	Fine to medium	Fractured	Weathered
26.00	29.00	DOLERITE	Brown	Greyish	Fine to medium	Fractured	
29.00	32.00	DOLERITE	Grey	Brownish	Fine to medium	Fresh	Fractured
32.00	36.00	DOLERITE	Grey		Fine to medium	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010829	0930	0.00	6.66	
Electrical contact	Static	0	Field checked	20011011	1415	0.00	6.19	SLUGTEST

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m³/d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20011011	900	0					0.257		

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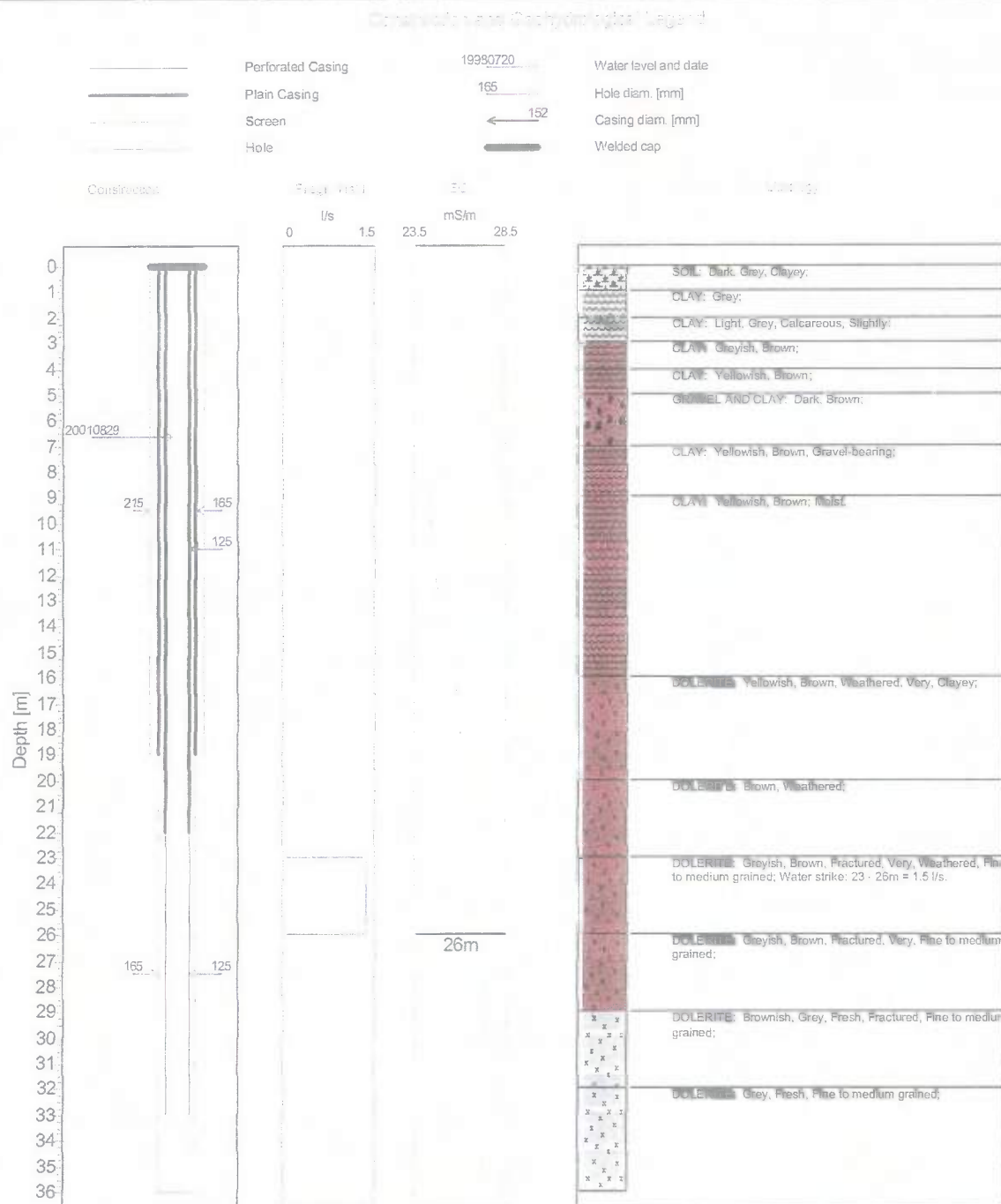
Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01109 Number: IVB-D109 Site type: Borehole
Dist./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Y Coord. [m]: -78247.214	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 36.00
X Coord. [m]: 2946172.85	Alt. No. 2: GEO6D	Site status: In use	Collar h. [m]: 0.52
Altitude [m]: 1471.84		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA



COMMENT:

Page 1

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01110 Number: IVB-D110 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D11

Region Type:

Region Desc.: TETP PLANT AREA

Y Coord. [m]: -79462.509	Reg./BB.: CS05	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2950411.417	G-Nr.:	Site status: in use	Col. ht. [m]: 0.23
Altitude [m]: 1482.62		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010627	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	13.00	215	20010627	ROTARY PERC
JMA	13.00	30.00	165	20010627	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010627	0.00	11.00	165	Steel	3	Plain casing	0	0	0	0
20010627	11.00	13.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	12.00	13.00	1.00	Estimated	Fractured	Geologist, technician,	
JMA	25.00	26.00	0.20	Estimated	Fractured	Geologist, technician,	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Brown	Dark			
1.00	2.00	CLAY	Black				
2.00	5.00	CLAY	Brown	Light			
5.00	7.00	CLAY	Brown	Yellowish			
7.00	9.00	DIABASE	Brown	Yellowish		Weathered	
9.00	11.00	DIABASE	Brown	Greyish	Medium	Weathered	
11.00	16.00	DIABASE	Grey	Light	Medium	Fractured	
16.00	25.00	DIABASE	Grey		Medium	Fresh	
25.00	30.00	SHALE	Grey	Bluish	Very fine to fine	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010829	1300	0.00	1.24	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010724	300	0	0	0	0	0	0	0	1.124	0

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

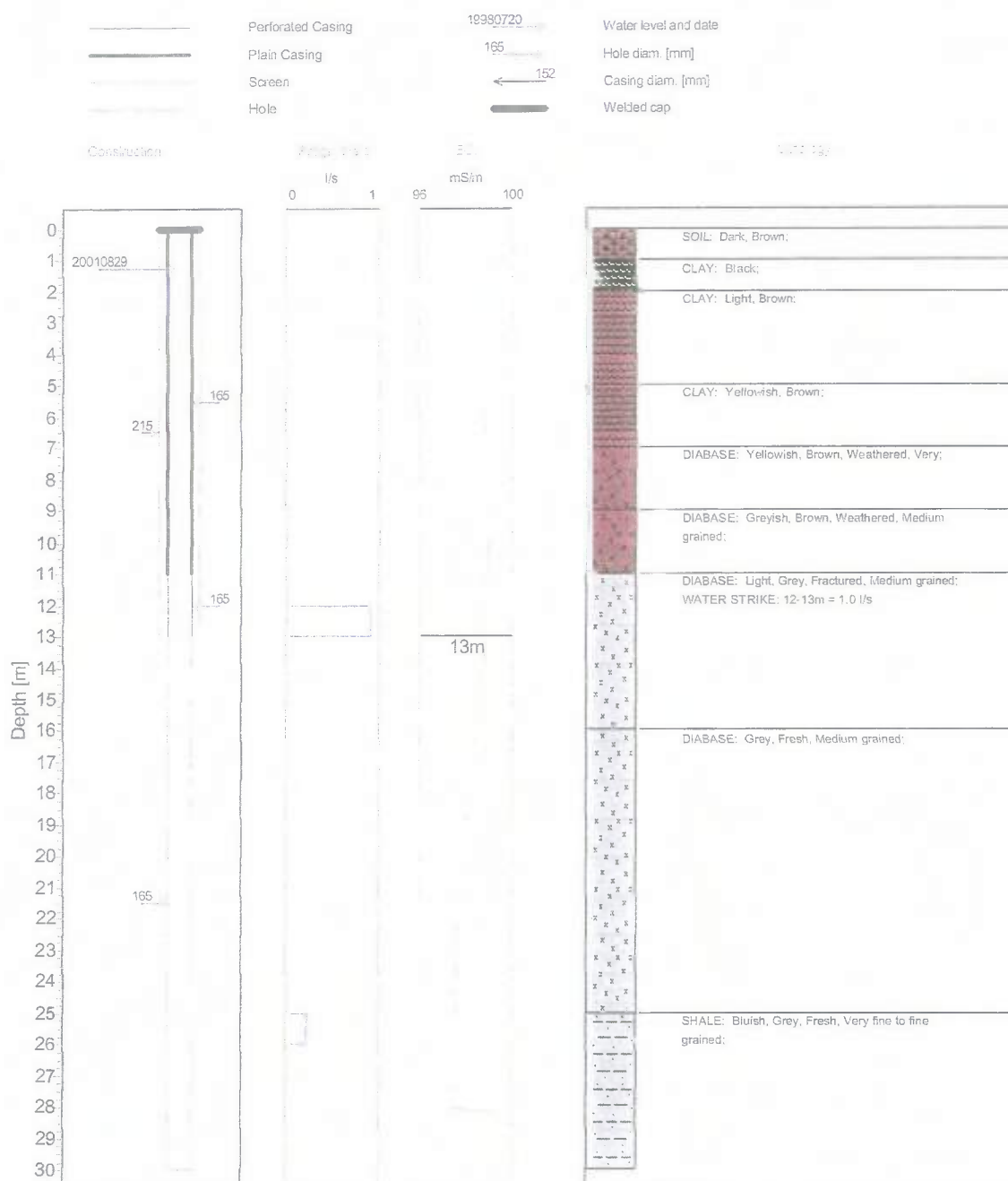
Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01110 Number: IVB-D110 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D11

Y Coord. [m]: -79462.509	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2950411.42	Alt. No. 2: P11D	Site status: In use	Collar h. [m]: 0.23
Altitude [m]: 1482.62		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geo-hydrological Legend



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01111 Number: IVB-D111 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D11

Region Type:

Region Descr.: TETP PLANT AREA

Y Coord. [m]: -79627.156	Reg./BB.: CS05	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2950019.012	G-Nr.:	Site status: In use	Col. ht. [m]: 0.27
Altitude [m]: 1481.76		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010628	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	19.00	215	20010628	ROTARY PERC
JMA	19.00	30.00	165	20010628	ROTARY PERC

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010628	0.00	13.00	165	Steel	3	Plain casing	0	0	0	0
	20010628	13.00	19.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	14.00	15.00	1.00	Estimated	Fractured	Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SOIL	Brown				
	1.00	3.00	CLAY	Brown				
	3.00	6.00	SOIL	Brown	Yellowish			
	6.00	8.00	SHALE	Brown	Greyish		Weathered	
	8.00	16.00	SHALE	Grey		Very fine to fine	Weathered	
	16.00	19.00	SHALE	Grey		Very fine to fine	Fractured	
	19.00	30.00	SHALE	Black	Greyish	Very fine to fine	Fresh	Carbonaceous

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20010830	0900	0.00	4.44	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m³/d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010724	60	0	0	0	0	0	0	7.06	0	

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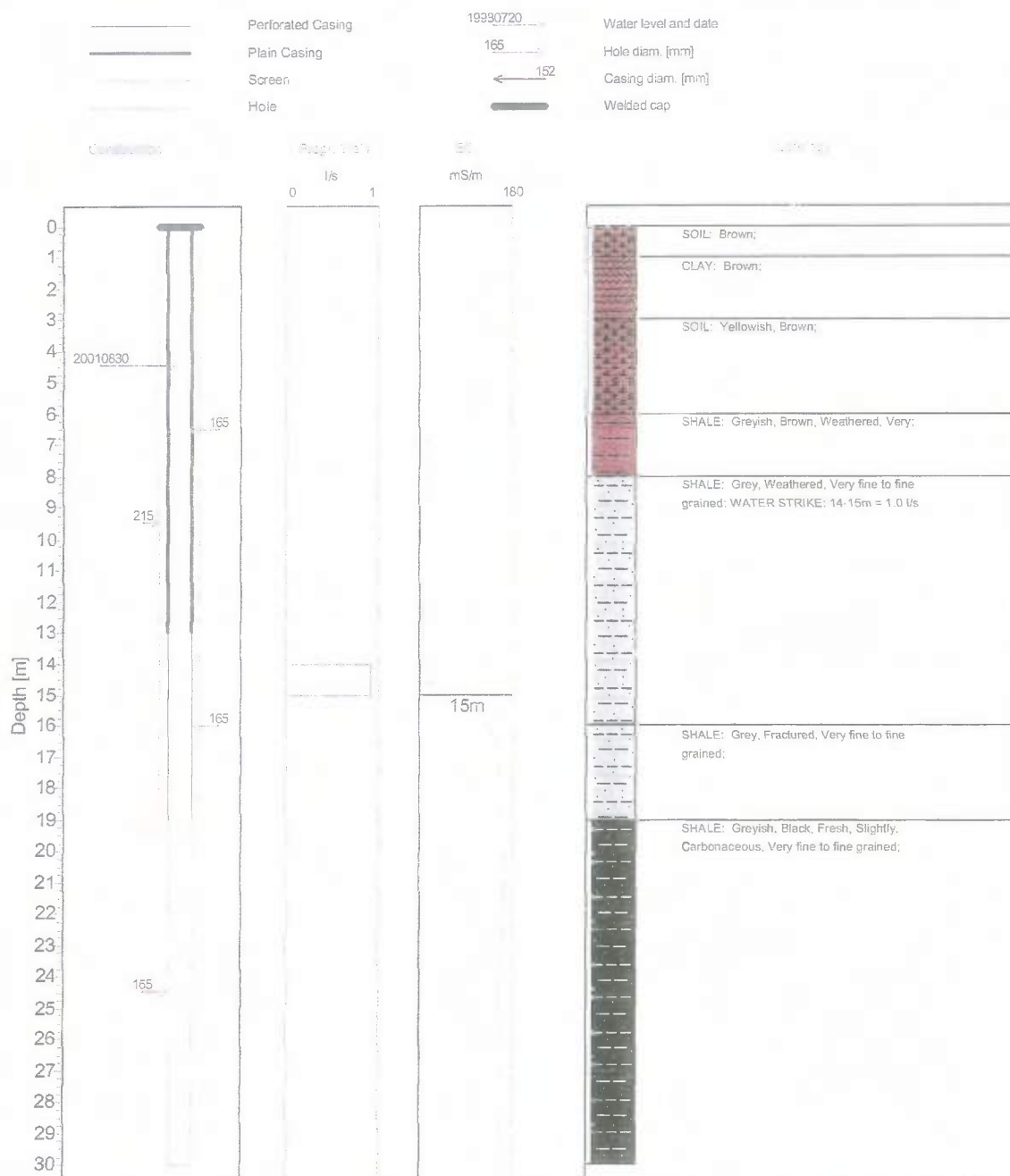
Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

BASIC SITE INFORMATION: Site Identifier: 2627DB01111 Number: IVB-D111 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D11

Y Coord. [m]:	-79627.156	Alt. No. 1:		Topo-set.:	Flat surface, plain	Depth [m]:	30.00
X Coord. [m]:	2950019.01	Alt. No. 2:	P10D	Site status:	In use	Collar h. [m]:	0.27
Altitude [m]:	1481.76			Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 1 unit			Use applic.:	Industrial - industrial	Diam. [mm]:	165
Coord. meth.:	Global Positioning System			Equipment:	No equipment	Rep. inst.:	JMA

Construction and Geological Legend



COMMENT:

Page 1

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01112 Number: IVB-D112 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D112

Region Type:

Region Descr.: TETP PLANT AREA

Y Coord. [m]: -79839.438	Reg./BB.: CS05	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2949920.763	G-Nr.:	Site status: In use	Col. ht. [m]: 0.16
Altitude [m]: 1484.34		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special Durat. treatment	Constr. cost
20010628	EDMS	Air percussion	Open bottom	Pumped with air	0 Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	13.00	215	20010628	ROTARY PERC
JMA	13.00	30.00	165	20010628	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010628	0.00	13.00	165	Steel	3	Plain casing	0	0	0	0

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Brown				
1.00	4.00	CLAY	Brown	Dark			
4.00	10.00	SHALE	Brown			Weathered	
10.00	14.00	SHALE	Brown	Greyish		Weathered	Weathered
14.00	18.00	SHALE	Grey	Dark		Fractured	
18.00	24.00	SHALE	Grey	Dark		Fresh	
24.00	25.00	DIABASE	Grey			Fractured	
25.00	30.00	DIABASE	Grey	Dark		Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010829	1430	0.00	2.12	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010724	1500	0	0	0	0 0 0	0	0.014	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

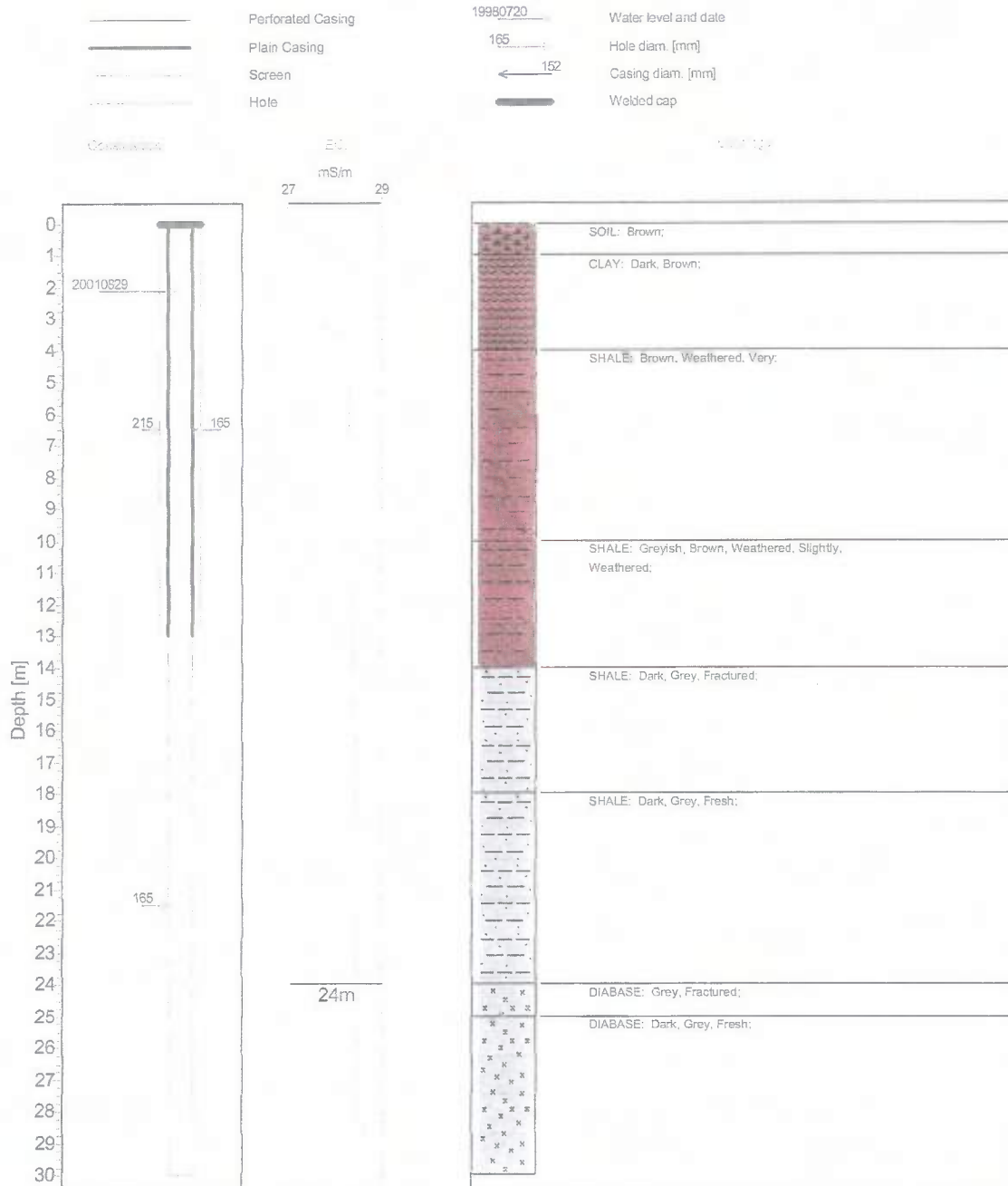
Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01112 Number: IVB-D112 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D112

Y Coord. [m]: -79839.438	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2949920.76	Alt. No. 2: G45D	Site status: In use	Collar h. [m]: 0.16
Altitude [m]: 1484.34		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01113 Number: IVB-D113 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D113

Region Type:

Region Descr.: TETP PLANT AREA

Y Coord. [m]: -79994.941	Reg./BB.: CS05	Topo-set.: Flat surface, plain	Depth [m]: 26.00
X Coord. [m]: 2950228.071	G-Nr.:	Site status: In use	Col. ht. [m]: 0.18
Altitude [m]: 1485.74		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat. Special treatment	Constr. cost
20010702	EDMS	Air percussion	Open bottom	Pumped with air	0 Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	12.00	215	20010702	ROTARY PERC
JMA	12.00	26.00	165	20010702	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010702	0.00	12.00	165	Steel	3	Plain casing	0	0	0	0

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	3.00	OVERBURDEN	Brown				
3.00	4.00	SOIL	Brown				
4.00	7.00	DIABASE	Brown			Weathered	
7.00	11.00	DIABASE	Brown			Weathered	
11.00	14.00	DIABASE	Brown	Greyish	Medium	Fractured	
14.00	26.00	DIABASE	Grey		Medium	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez. Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0 Field checked	20010830	1115	0.00	3.23	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010724	1500	0	0	0	0 0 0	0	0.046	0	

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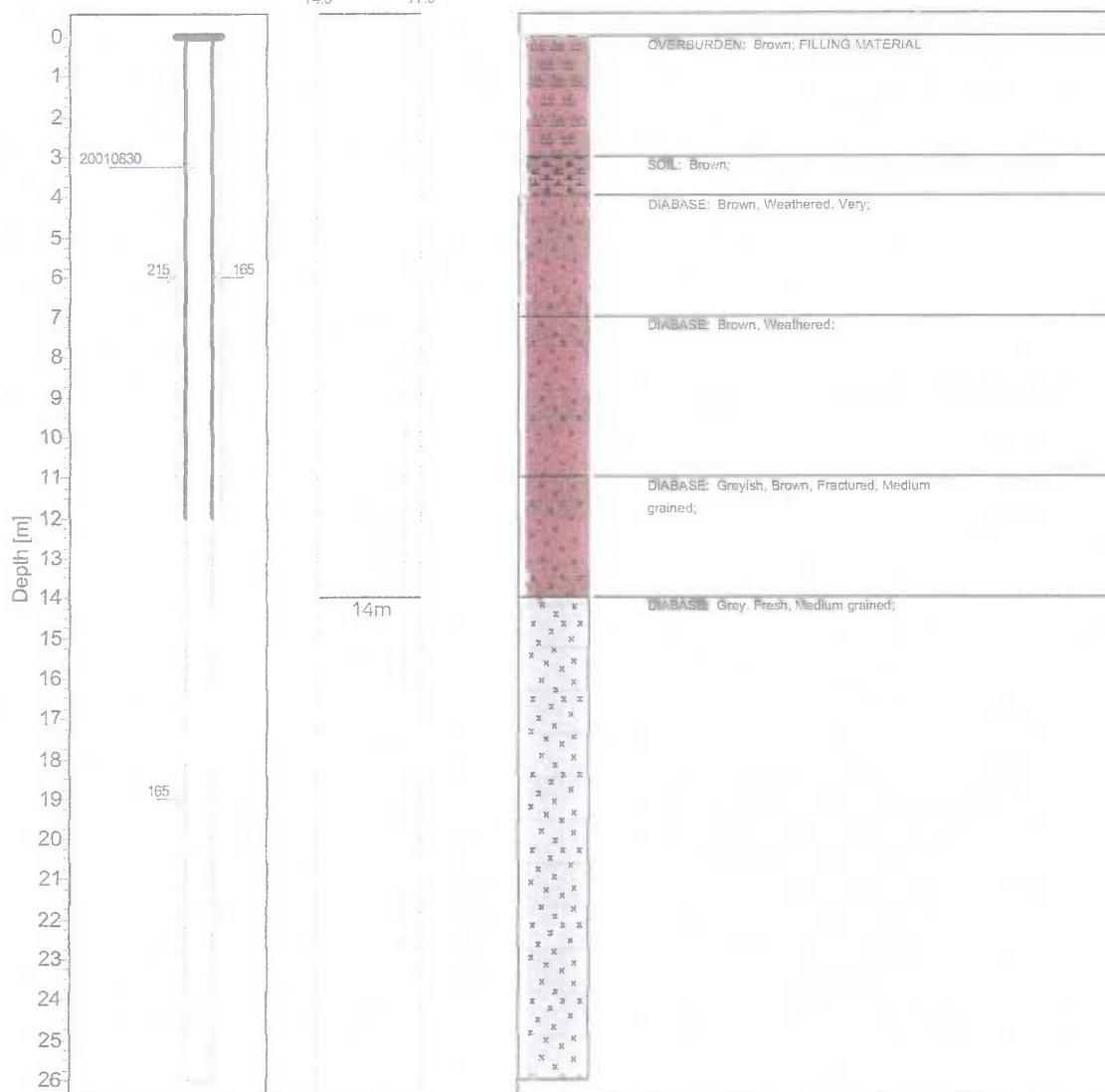
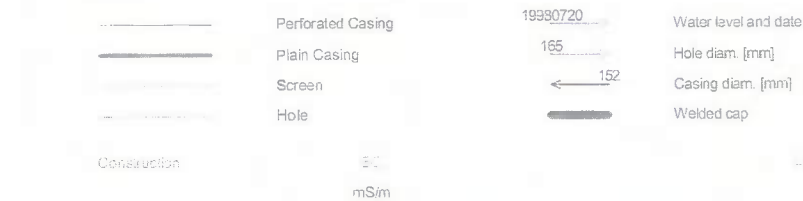


Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

BASIC SITE INFORMATION: Site Identifier: 2627DB01113 Number: IVB-D113 Site type: Borehole
 Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D113

Y Coord. [m]: -79994.941	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 26.00
X Coord. [m]: 2950228.07	Alt. No. 2: G44D	Site status: In use	Collar h. [m]: 0.18
Altitude [m]: 1485.74		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

Page 1

Jasper Müller Associates cc.
 P O Box 883
 Delmas
 2210
 Tel: (013)665 1788
 E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01114 Number: IVB-D114 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D114

Region Type:

Region Descr.: DIRECT REDUCTION PLANT

Y Coord. [m]: -80063.742	Reg./BB.: CS05	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2949571.52	G-Nr.:	Site status: In use	Col. ht. [m]: 0.40
Altitude [m]: 1486.73		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010702	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	19.50	215	20010702	ROTARY PERC
JMA	19.50	30.00	165	20010702	ROTARY PERC

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010702	0.00	17.50	165	Steel	3	Plain casing	0	0	0	0
20010702	17.50	19.50	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	19.00	20.00	1.00	Estimated	Fractured	Geologist, technician,	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Black				
1.00	4.00	CLAY	Black				
4.00	7.00	SHALE	Brown			Weathered	
7.00	11.00	SHALE	Brown			Weathered	
11.00	19.00	SHALE	Brown	Greyish		Fractured	
19.00	22.00	DIABASE	Grey	Brownish	Medium	Fractured	
22.00	30.00	DIABASE	Grey		Medium	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010830	1230	0.00	1.94	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010724	60	0	0	0	0 0	0	0	8.241	0

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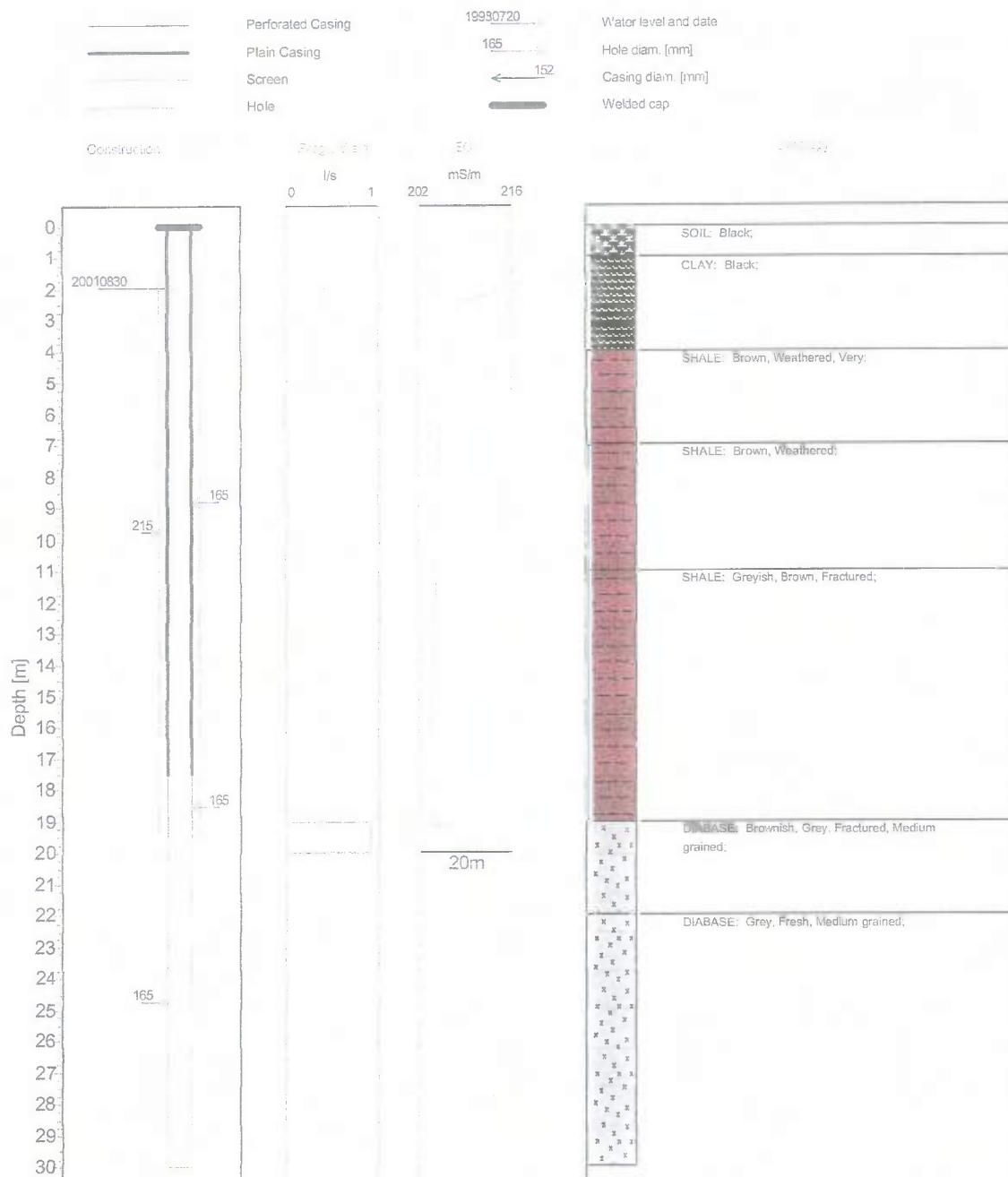


Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

BASIC SITE INFORMATION: Site Identifier: 2627DB01114 Number: IVB-D114 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D114

Y Coord. [m]: -80063.742	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2949571.52	Alt. No. 2: G46D	Site status: In use	Collar h. [m]: 0.40
Altitude [m]: 1486.73		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Geological and Geohydrological Legend



COMMENT:

Page 1

JMA
Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01115 Number: IVB-D115 Site type: Borehole

Distr./Farm No.: 551 IQ

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D115

Region Type:

Region Descr.: FARM LAND - WESTERN BOUNDARY

Y Coord. [m]: -79494.14	Reg./BB.: FARM	Topo-set.: Hillside (slope)	Depth [m]: 31.00
X Coord. [m]: 2949580.78	G-Nr.:	Site status: In use	Col. ht. [m]: 1.20
Altitude [m]: 1480.64		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	31.00	165	19961010	

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19961010	0.00	10.00	125	PVC	3					
	19961010	10.00	30.00	125	PVC	3	Perforated or slotted	25	2	25	10

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SAND	Brown	Greyish		Loose	
	1.00	4.00	SILT	Brown	Yellowish		Clayey	
	4.00	10.00	SILT	Yellow			Clayey	Jointed
	10.00	14.00	DIABASE	Yellow	Greyish		Fractured	Weathered
	14.00	23.00	DIABASE	Grey	Bluish		Jointed	Fresh
	22.00	23.00	DIABASE	Grey	Bluish		Jointed	Fractured
	23.00	26.00	DIABASE	Grey	Bluish		Jointed	Fresh
	26.00	31.00	DIABASE	Grey	Bluish		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20000731	0906	0.00	6.65	
	Electrical contact	Static	0	Field checked	20000927	1050	0.00	6.91	
	Electrical contact	Static	0	Field checked	20011012	0735	0.00	7.68	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

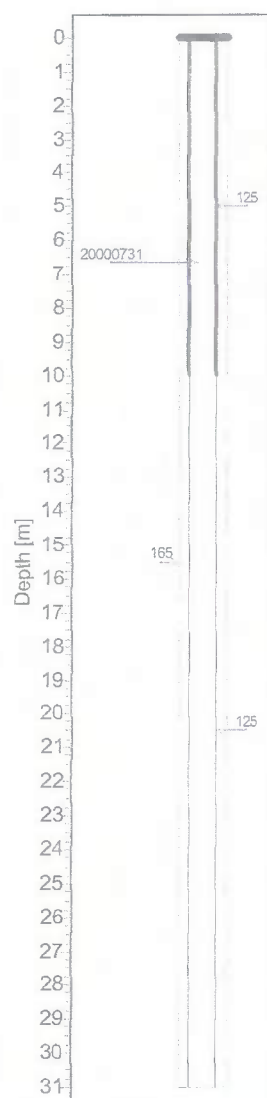
Date compiled: 6/5/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01115 Number: IVB-D115 Site type: Borehole
Distr./Farm No.: 551 IQ Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D115

Y Coord. [m]: -79494.140	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 31.00
X Coord. [m]: 2949580.78	Alt. No. 2: RT-1	Site status: In use	Collar h. [m]: 1.20
Altitude [m]: 1480.64		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Log

Perforated Casing	19980720	Water level and date
Plain Casing	165	Hole diam. [mm]
Screen	152	Casing diam. [mm]
Hole		Welded cap



SAND: Greyish, Brown, Loose; Topsoil.
SILT: Yellowish, Brown, Clayey.
SILT: Yellow, Clayey, Jointed;
DIABASE: Greyish, Yellow, Fractured, Very, Weathered; Highly weathered rock at base.
DIABASE: Bluish, Grey, Jointed, Fresh;
DIABASE: Bluish, Grey, Jointed, Slightly Fractured;
DIABASE: Bluish, Grey, Jointed, Fresh;
DIABASE: Bluish, Grey, Fresh;

COMMENT:

Page 1



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01116 Number: IVB-D116 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D116

Region Type:

Region Descr.: FARM LAND - WESTERN BOUNDARY

Y Coord. [m]: -79626.95	Reg.IBB.: FARM	Topo-set.: Hillside (slope)	Depth [m]: 37.00
X Coord. [m]: 2949127.47	G-Nr.:	Site status: In use	Col. ht. [m]: 0.44
Altitude [m]: 1483.47		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	37.00	210	19961010	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19961010	0.00	13.00	125	PVC	3					
19961010	13.00	33.00	125	PVC	6	Perforated or slotted	25	2	25	10
19961010	33.00	37.00	125	PVC	3					

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	10.00	17.00	0.30	Estimated	Weathered basin	Report or file	
JMA	17.00	26.00	0.30	Estimated		Report or file	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	2.00	SAND	Brown	Yellowish		Clayey	
2.00	6.00	SILT	Yellow	Light		Clayey	Jointed
6.00	10.00	DIABASE	Yellow			Jointed	Weathered
10.00	17.00	DIABASE	Yellow	Greenish		Fractured	Weathered
17.00	21.00	DIABASE	Brown	Greenish		Weathered	Fractured
21.00	28.00	DIABASE	Grey	Greenish		Fractured	Jointed
28.00	33.00	DIABASE	Grey	Greenish		Fresh	Fractured
33.00	37.00	DIABASE	Grey	Greenish		Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000202	1439	0.00	5.52	
Electrical contact	Static	0	Field checked	20000507	1550	0.00	3.90	
Electrical contact	Static	0	Field checked	20000614	1557	0.00	4.14	
Electrical contact	Static	0		20000731	0907	0.00	4.83	
Electrical contact	Static	0	Field checked	20000905	1545	0.00	5.28	
Electrical contact	Static	0	Field checked	20010117	1425		4.00	
Electrical contact	Static	0	Field checked	20010302	1431	0.00	4.61	
Electrical contact	Static	0	Field checked	20010821	0930	0.00	6.63	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010222	150	0	0	0	0 0 0	0	0.628	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

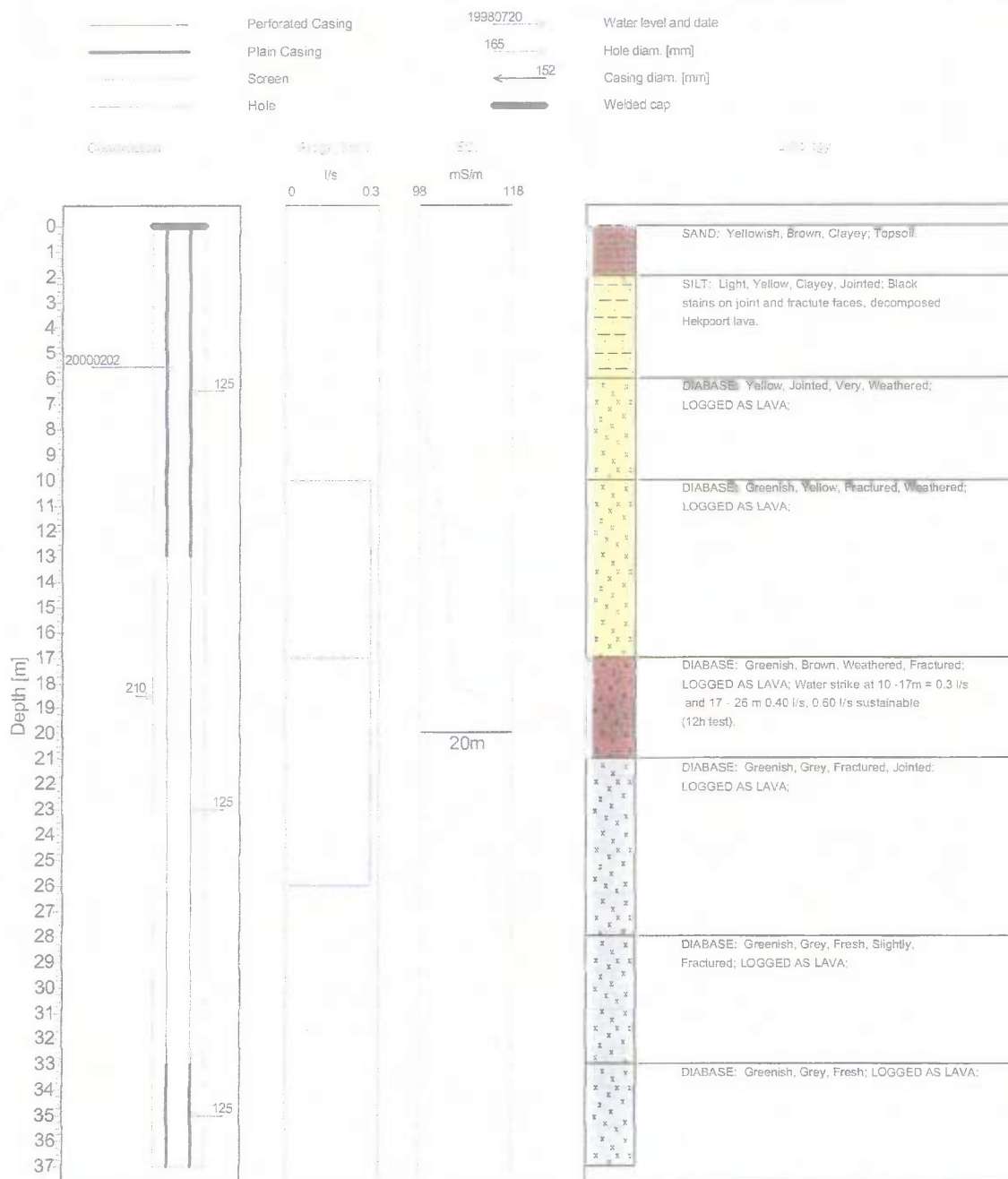
Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01116 Number: IVB-D116 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D116

Y Coord. [m]: -79626.950	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 37.00
X Coord. [m]: 2949127.47	Alt. No. 2: RT-3	Site status: In use	Collar h. [m]: 0.44
Altitude [m]: 1483.47		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Correlation and Geological Log



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01117 Number: IVB-D117 Site type: Borehole

Distr./Farm No.: 551 IQ

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D117

Region Type:

Region Desc.: FARM LAND (DU PLESSIS WORKERS HOUSES)

Y Coord. [m]: -79454.18	Reg.IBB.: FARM	Topo-set.: Hillside (slope)	Depth [m]: 98.80
X Coord. [m]: 2948779.01	G-Nr.:	Site status: In use	Col. ht. [m]: 0.51
Altitude [m]: 1484.29		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 80
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	12.00	100	19990426	
JMA	12.00	98.80	75	19990426	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19990426	0.00	12.00	96	Steel	3	Plain casing				

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	8.00	CLAY	Brown	Yellowish			
8.00	19.00	DIABASE	Brown	Olive		Weathered	
19.00	24.00	DIABASE	Brown	Greyish		Weathered	Fractured
24.00	42.00	DIABASE					
42.00	48.00	QUARTZITE					
48.00	71.50	DIABASE	Grey	Dark		Fresh	
71.50	83.00	SHALE	Grey	Dark		Fresh	Laminated
83.00	89.00	BRECCIA				Cemented	
89.00	98.80	SHALE	Grey	Light		Fresh	Laminated

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20000614	1558	0.00	3.11	
Electrical contact	Static	0		20000731	0914	0.00	3.56	
Electrical contact	Static	0	Field checked	20000905	1532	0.00	3.12	
Electrical contact	Static	0	Field checked	20000927	1049	0.00	3.14	
Electrical contact	Static	0	Field checked	20010117	1336	0.00	2.45	
Electrical contact	Static	0	Field checked	20010302	1410	0.00	2.96	
Electrical contact	Static	0	Field checked	20010821	1517	0.00	4.05	
Electrical contact	Static	0	Field checked	20011011	1650	0.00	4.20	SLUGTEST

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20011011	900	0					0.363		

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Borehole Construction and Geological Log

Date compiled: 11/21/01

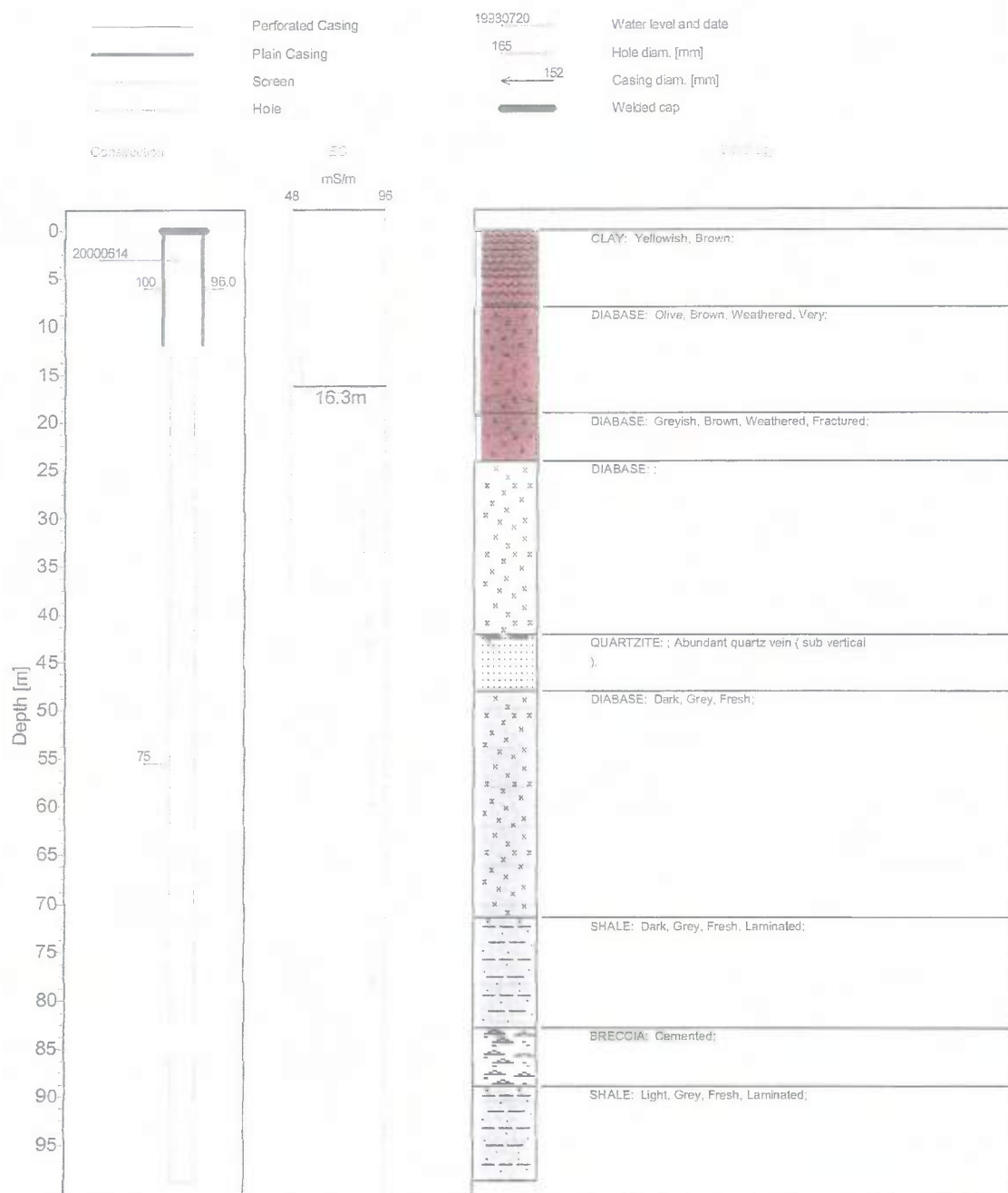
BASIC SITE INFORMATION: Site Identifier: 2627DB01117 Number: IVB-D117 Site type: Borehole

Distr./Farm No.: 551 IQ

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D117

Y Coord. [m]: -79454.180	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 98.80
X Coord. [m]: 2948779.01	Alt. No. 2: DIA 2	Site status: In use	Collar h. [m]: 0.51
Altitude [m]: 1484.29		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 80
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Borehole Construction and Geological Log



COMMENT:



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01118 Number: IVB-D118 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D118

Region Type:

Region Descr.: FARM LAND - WESTERN BOUNDARY

Y Coord. [m]: -79800.2	Reg. IBB.: FARM	Topo-set.: Hillside (slope)	Depth [m]: 36.00
X Coord. [m]: 2948294.36	G-Nr.:	Site status: In use	Col. ht. [m]: 0.60
Altitude [m]: 1489.61		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	36.00	215	19961010	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19961010	0.00	15.00	125	PVC	3					
19961010	15.00	36.00	125	PVC	6	Perforated or slotted	25	2	25	10

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SAND	Brown			Clayey	Loose
1.00	10.00	SHALE	Brown	Pinkish		Laminated	Jointed
10.00	23.00	SHALE	Grey	Pinkish		Jointed	
23.00	36.00	SHALE	Grey	Dark		Jointed	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000202	1442	0.00	3.35	
Electrical contact	Static	0	Field checked	20000507	1551	0.00	2.19	
Electrical contact	Static	0	Field checked	20000614	1557	0.00	2.27	
Electrical contact	Static	0		20000731	0912	0.00	2.64	
Electrical contact	Static	0	Field checked	20000905	1527	0.00	2.91	
Electrical contact	Static	0	Field checked	20000927	1053	0.00	2.99	
Electrical contact	Static	0	Field checked	20010117	1255		2.31	
Electrical contact	Static	0	Field checked	20010302	1515	0.00	2.88	
Electrical contact	Static	0	Field checked	20010821	1300	0.00	3.85	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	%	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010222	1800	0	0	0	0	0	0	0.007	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01118 Number: IVB-D118

Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D118

Y Coord. [m]: -79800.200

X Coord. [m]: 2948294.36

Altitude [m]: 1489.61

Coord. acc.: Accurate to within 1 unit

Coord. meth.: Levelled or surveyed

Alt. No. 1:

Alt. No. 2: RT 7

Topo-set.: Hillside (slope)

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 36.00

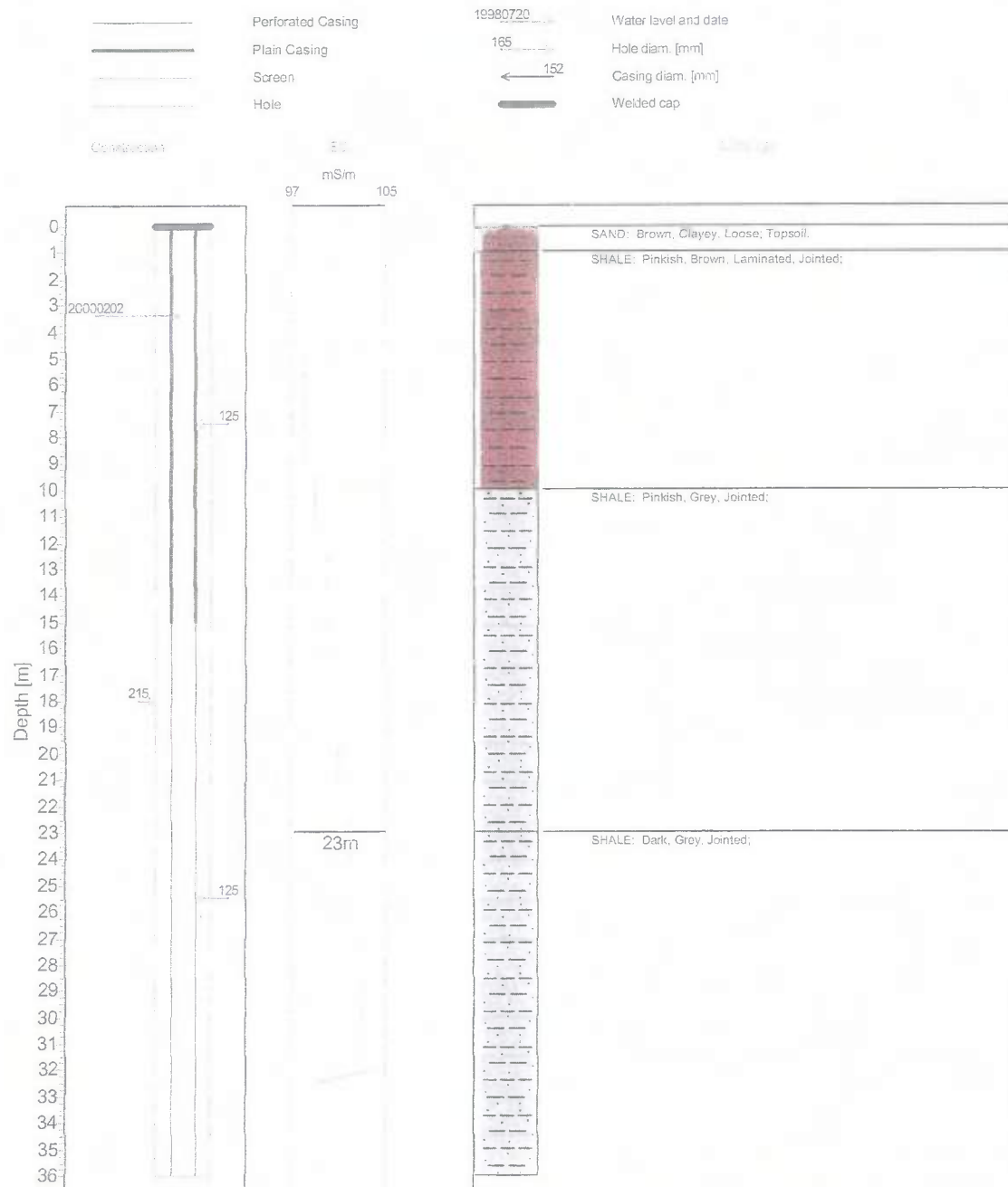
Collar h. [m]: 0.60

Drain. reg.: C220

Diam. [mm]: 125

Rep. inst.: JMA

Construction and Geological Legend



COMMENT:

Page 1



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01119 Number: IVB-D119 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D119

Region Type:

Region Descr.: FARM LAND - WESTERN BOUNDARY

Y Coord. [m]: -79682.09	Reg.IBB.: FARM	Topo-set.: Hillside (slope)	Depth [m]: 33.00
X Coord. [m]: 2948641.75	G-Nr.:	Site status: In use	Col. ht. [m]: 0.36
Altitude [m]: 1486.48		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	33.00	165	19961010	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19961010	0.00	12.00	125	PVC	3					
19961010	12.00	33.00	125	PVC	6	Perforated or slotted	25	2	25	10

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	17.00	23.00	0.90	Estimated	Weathered basin	Report or file	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	CLAY	Brown			Sandy	Loose
1.00	4.00	SAND	Brown	Yellowish		Clayey	Gravel-bearing
4.00	11.00	SILT	Brown	Yellowish		Clayey	
11.00	15.00	DIABASE	Brown	Yellowish		Fractured	Weathered
15.00	17.00	DIABASE	Brown	Yellowish		Fractured	Weathered
17.00	23.00	DIABASE	Grey	Bluish		Jointed	Fractured
23.00	25.00	DIABASE	Grey	Bluish		Weathered	Weathered
25.00	31.00	DIABASE	Grey	Bluish		Fresh	Weathered
31.00	33.00	DIABASE	Grey	Bluish		Fresh	Jointed

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000202	1440	0.00	1.31	
Electrical contact	Static	0	Field checked	20000614	1557	0.00	1.70	
Electrical contact	Static	0		20000731	0912	0.00	1.99	
Electrical contact	Static	0	Field checked	20000905	1526	0.00	2.22	
Electrical contact	Static	0	Field checked	20000927	1053	0.00	2.21	
Electrical contact	Static	0	Field checked	20010117	1312		1.77	
Electrical contact	Static	0	Field checked	20010302	1446	0.00	2.23	
Electrical contact	Static	0	Field checked	20010821	1420	0.00	3.15	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m³/d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010222	90	0	0	0	0	0	0	1.013	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01119 Number: IVB-D119

Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D119

Y Coord. [m]: -79682.090

X Coord. [m]: 2948641.75

Altitude [m]: 1486.48

Coord. acc.: Accurate to within 1 unit

Coord. meth.: Levelled or surveyed

Alt. No. 1:

Alt. No. 2: RT 5

Topo-set.: Hillside (slope)

Site status: In use

Site purp.: Observation

Use applc.: Industrial - industrial

Equipment: No equipment

Depth [m]: 33.00

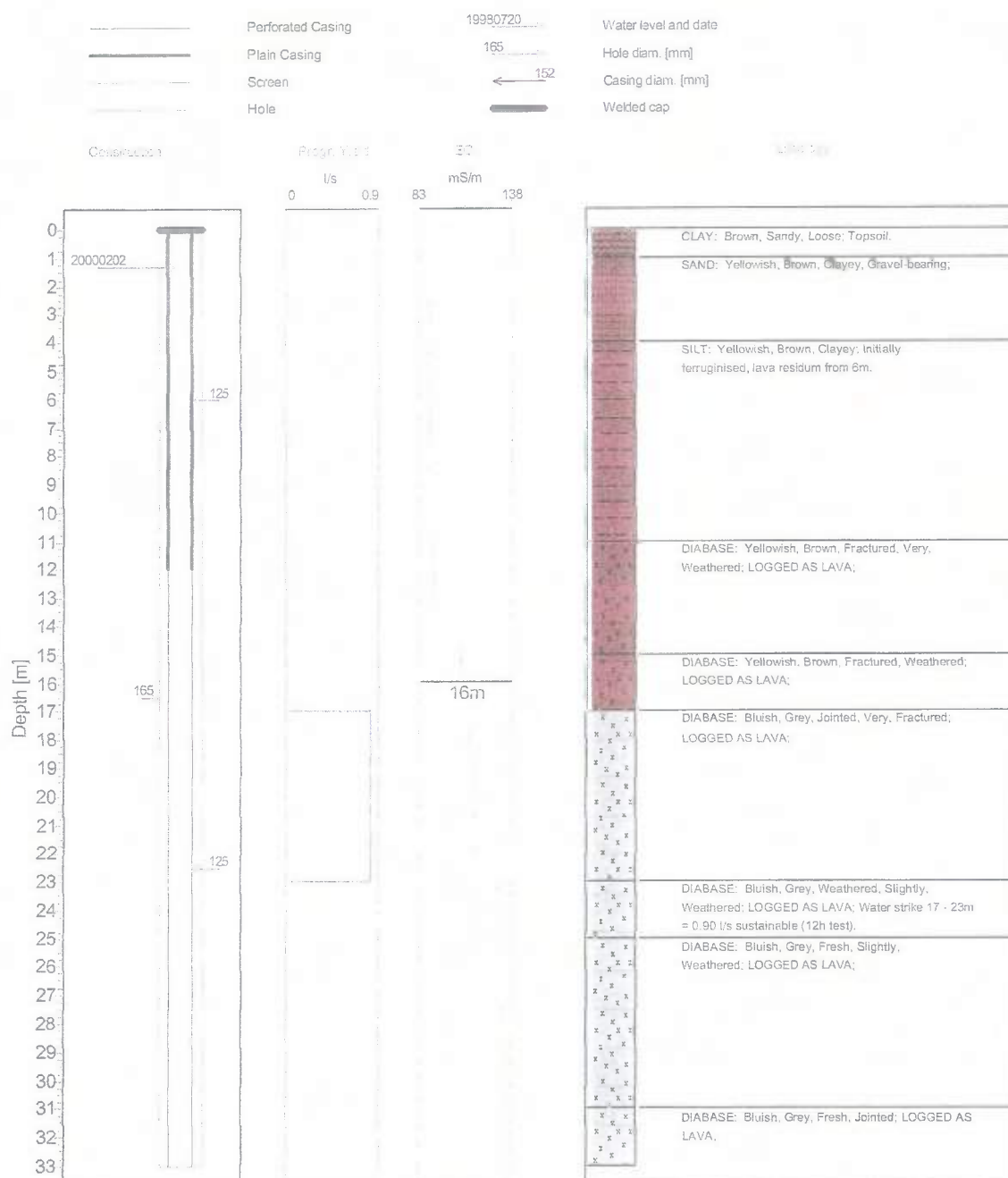
Collar h. [m]: 0.36

Drain. reg.: C220

Diam. [mm]: 125

Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

Page 1

Jasper Müller Associates cc.

P O Box 883

Delmas

2210

Tel: (013)665 1788

E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01120 Number: IVB-D120 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D120

Region Type:

Region Descr.: WESTERN BOUNDARY

Y Coord. [m]: -79930.83	Reg.IBB.: FARM	Topo-set.: Hillside (slope)	Depth [m]: 41.00
X Coord. [m]: 2948384.42	G-Nr.:	Site status: In use	Col. ht. [m]: 0.20
Altitude [m]: 1489.45		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	41.00	215	19961010	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19961010	0.00	20.00	125	PVC	3					
19961010	20.00	41.00	125	PVC	6	Perforated or slotted	25	2	25	10

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	26.00	36.00	0.20	Estimated	Weathered basin	Report or file	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	2.00	SAND	Brown			Clayey	Loose
2.00	15.00	SILT	Yellow	Light		Clayey	Jointed
15.00	23.00	DIABASE	Yellow	Greenish		Fractured	Weathered
23.00	36.00	DIABASE	Yellow	Greenish		Weathered	Fractured
36.00	41.00	DIABASE	Grey	Dark		Fresh	Jointed

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20000614	1557	0.00	0.95	
Electrical contact	Static	0		20000731	0913	0.00	1.14	
Electrical contact	Static	0	Field checked	20000905	1528	0.00	1.36	
Electrical contact	Static	0	Field checked	20000927	1053	0.00	1.38	
Electrical contact	Static	0	Field checked	20010117	1236		1.10	
Electrical contact	Static	0	Field checked	20010302	1300	0.00	1.47	
Electrical contact	Static	0	Field checked	20010828	0730	0.00	2.36	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010222	1800	0	0	0	0 0	0	0.062	0	

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Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01120 Number: IVB-D120

Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D120

Y Coord. [m]: -79930.830

X Coord. [m]: 2948384.42

Altitude [m]: 1489.45

Coord. acc.: Accurate to within 1 unit

Coord. meth.: Levelled or surveyed

Alt. No. 1:

Alt. No. 2: RT 8

Topo-set.: Hillside (slope)

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 41.00

Collar h. [m]: 0.20

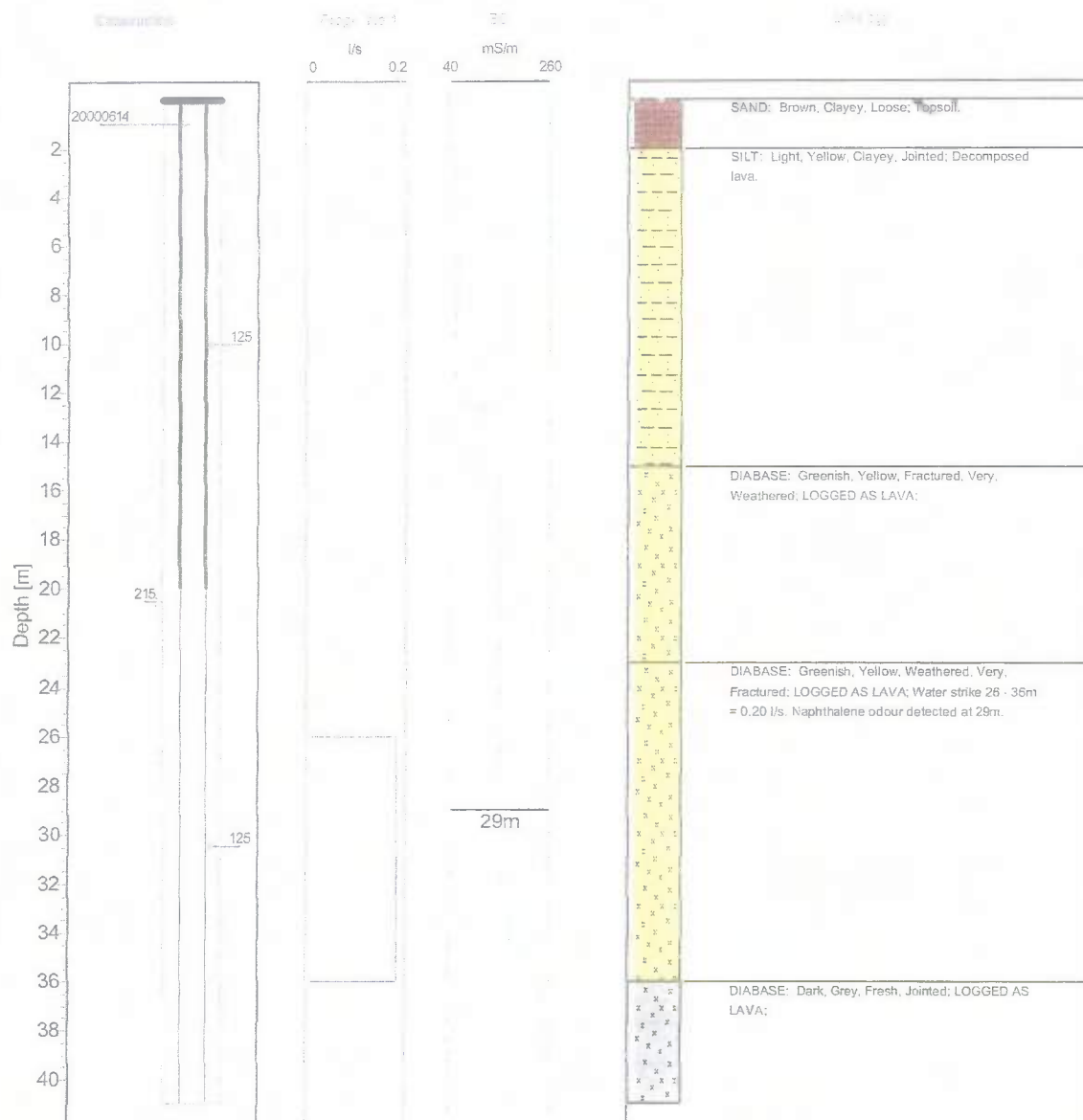
Drain. reg.: C220

Diam. [mm]: 125

Rep. inst.: JMA

Construction and Geology Log Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:

Page 1

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 10/29/01

BASIC SITE INFORMATION: Site Identifier: 2627DB00121 Number: IVB-S121 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL BOREHOLE IVB-S121

Region Type:

Region Descr.: STEELVALLEY / WESTERN BOUNDARY / D

Y Coord. [m]: -79951.343	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 5.00
X Coord. [m]: 2948450.204	G-Nr.:	Site status: In use	Col. ht. [m]: 0.40
Altitude [m]: 1489.77		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 150
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:						
Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment
20010704	EDMS	Air percussion	Gravel pack with	Pumped with air	0	Pumped with
						0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	5.00	215	20010704	ROTARY PERC

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010704	0.00	5.00	150	Steel	3	Perforated or slotted	0	0	0	0

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	0.50	SOIL	Brown	Dark			
	0.50	2.00	FERRICRETE	Brown	Yellowish		Weathered	Clayey
	2.00	3.00	BOULDERS	Brown	Dark		Clayey	
	3.00	5.00	SHALE	Brown	Pinkish		Weathered	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20010831	1020	0.00	5.40	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	%	Trans. [m ² /d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010222	1800	0	0	0	0	0	0	0.026	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

BASIC SITE INFORMATION: Site Identifier: 2627DB01121 Number: IVB-D121 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D121

Y Coord. [m]: -79947.770

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 49.00

X Coord. [m]: 2948447.63

Alt. No. 2: TOM 6

Site status: In use

Collar h. [m]: 0.38

Altitude [m]: 1489.13

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 110

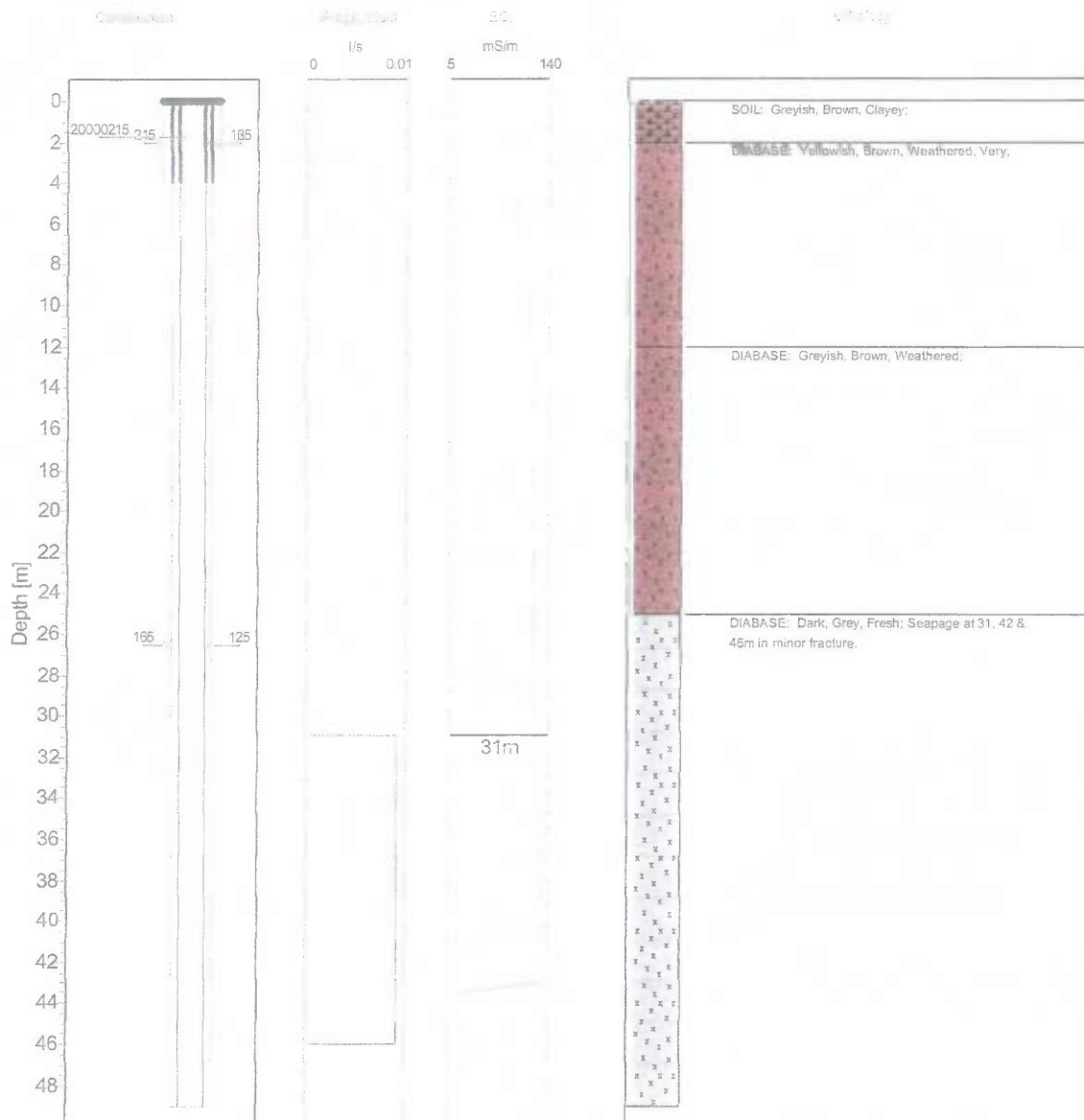
Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. inst.: JMA

Construction and Borehole Log Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:

Page 1



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 10/30/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01122 Number: IVB-D122 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D122

Region Type:

Region Descr.: SOUTH OF WATER POINT ON PLOT SV.68

Y Coord. [m]: -80000.375	Reg./BB.: FARM	Topo-set.: Hillside (slope)	Depth [m]: 100.00
X Coord. [m]: 2948632.802	G-Nr.:	Site status: In use	Col. ht. [m]: 0.65
Altitude [m]: 1488.90		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 155
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	12.00	215	19990423	
JMA	12.00	100.30	175	19990423	

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19990423	0.00	12.00	96							

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	10.90	CLAY	Brown	Olive			
	10.90	25.00	DIABASE	Grey	Brownish		Weathered	Fractured
	25.00	30.00	DIABASE	Brown	Greyish		Weathered	
	30.00	35.00	DIABASE	Grey	Dark		Fresh	
	35.00	36.00	SHALE	Grey	Dark		Fresh	
	36.00	100.00	DIABASE	Grey	Dark		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000301	1413	0.00	4.95	
	Electrical contact	Static	0	Field checked	20000614	1558	0.00	3.60	
	Electrical contact	Static	0		20000731	0913	0.00	2.85	
	Electrical contact	Static	0	Field checked	20000905	1531	0.00	3.80	
	Electrical contact	Static	0	Geologist,	20000927	1527	0.00	3.70	
	Electrical contact	Static	0	Field checked	20010117	1147	0.00	3.33	
	Electrical contact	Static	0	Field checked	20010302	1325	0.00	3.93	
	Electrical contact	Static	0	Field checked	20010822	1012	0.00	4.74	
	Electrical contact	Static	0	Field checked	20011011	1530	0.00	4.66	SLUGTEST

TESTING DETAILS:	Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: % [min]	Trans. [m ² /d]	Perm. [mld]	Storat.	Comment
	SLUGTEST	20011011	1500	0					0.002		

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01122 Number: IVB-D122

Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D122

Y Coord. [m]: -80000.375

Alt. No. 1:

Topo-set.: Hillside (slope)

Depth [m]: 100.00

X Coord. [m]: 2948632.80

Alt. No. 2: DIA 1

Site status: In use

Collar h. [m]: 0.65

Altitude [m]: 1488.90

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 155

Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. inst.: JMA

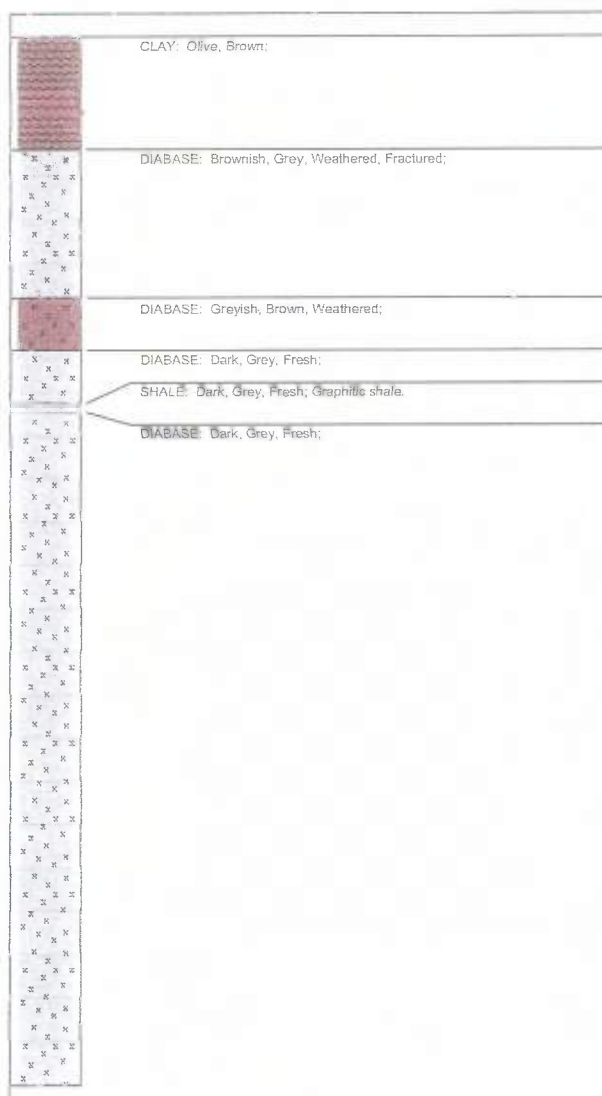
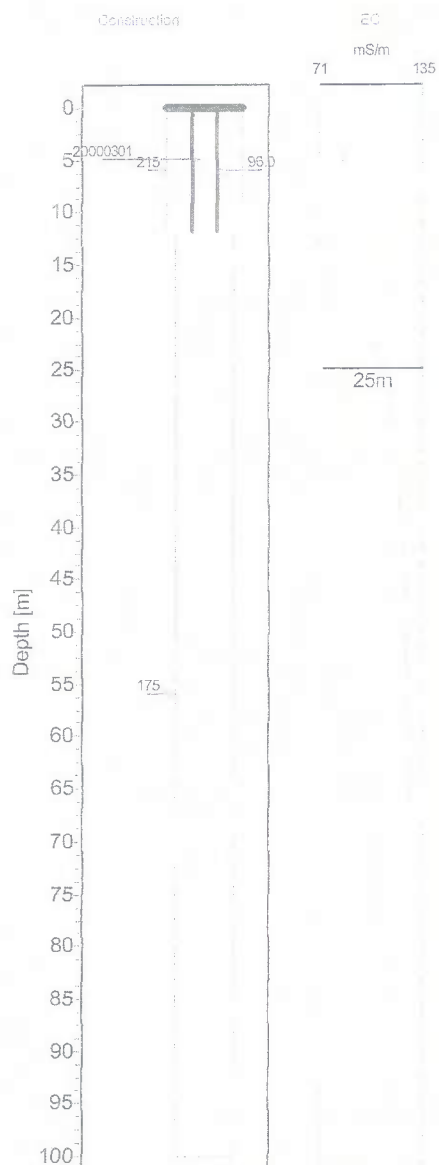
Construction and Geology Legend



Perforated Casing
Plain Casing
Screen
Hole



Water level and date
Hole diam. [mm]
Casing diam. [mm]
Welded cap



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01123 Number: IVB-D123 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D123

Region Type:

Region Desc.: FARM LANDS - BOF SLUDGE DAMS

Y Coord. [m]: -79852.4	Reg.IBB.: FARM	Topo-set.: Flat surface, plain	Depth [m]: 55.00
X Coord. [m]: 2948157.67999	G-Nr.:	Site status: In use	Col. ht. [m]: 0.41
Altitude [m]: 1989.95		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	4.00	215	19990504	
JMA	4.00	55.00	165	19990504	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19990504	0.00	4.00	155	Steel	3					
19990504	0.00	55.00	110	PVC	10	Perforated or slotted	25	2	25	10

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Brown				
1.00	6.00	DIABASE	Brown	Yellowish		Weathered	
6.00	11.00	DIABASE	Brown			Weathered	
11.00	15.00	DIABASE	Grey	Brownish		Weathered	
15.00	21.00	DIABASE	Brown	Greyish		Weathered	
21.00	42.00	DIABASE	Grey	Dark	Fine	Fresh	
42.00	43.00	NO SAMPLE					
43.00	50.00	DIABASE	Grey	Dark		Fresh	
50.00	55.00	DIABASE	Grey	Dark	Medium	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000303	1355	0.00	2.98	
Electrical contact	Static	0	Field checked	20000511	1549	0.00	2.06	
Electrical contact	Static	0	Field checked	20000905	1531	0.00	2.70	
Electrical contact	Static	0	Field checked	20000927	1047	0.00	2.80	
Electrical contact	Static	0	Field checked	20010117	1532		2.35	
Electrical contact	Static	0	Field checked	20010301	1440	0.00	2.72	
Electrical contact	Static	0	Field checked	20010822	1200	0.00	3.70	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010223	300	0	0	0	0 0 0 0	0	0.118	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Date compiled: 11/21/01

Site Identifier: 2627DB01123 Number: IVB-D123

Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D123

Y Coord. [m]: -79852.400

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 55.00

X Coord. [m]: 2948157.68

Alt. No. 2: TOM 7

Site status: In use

Collar h. [m]: 0.41

Altitude [m]: 1989.95

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

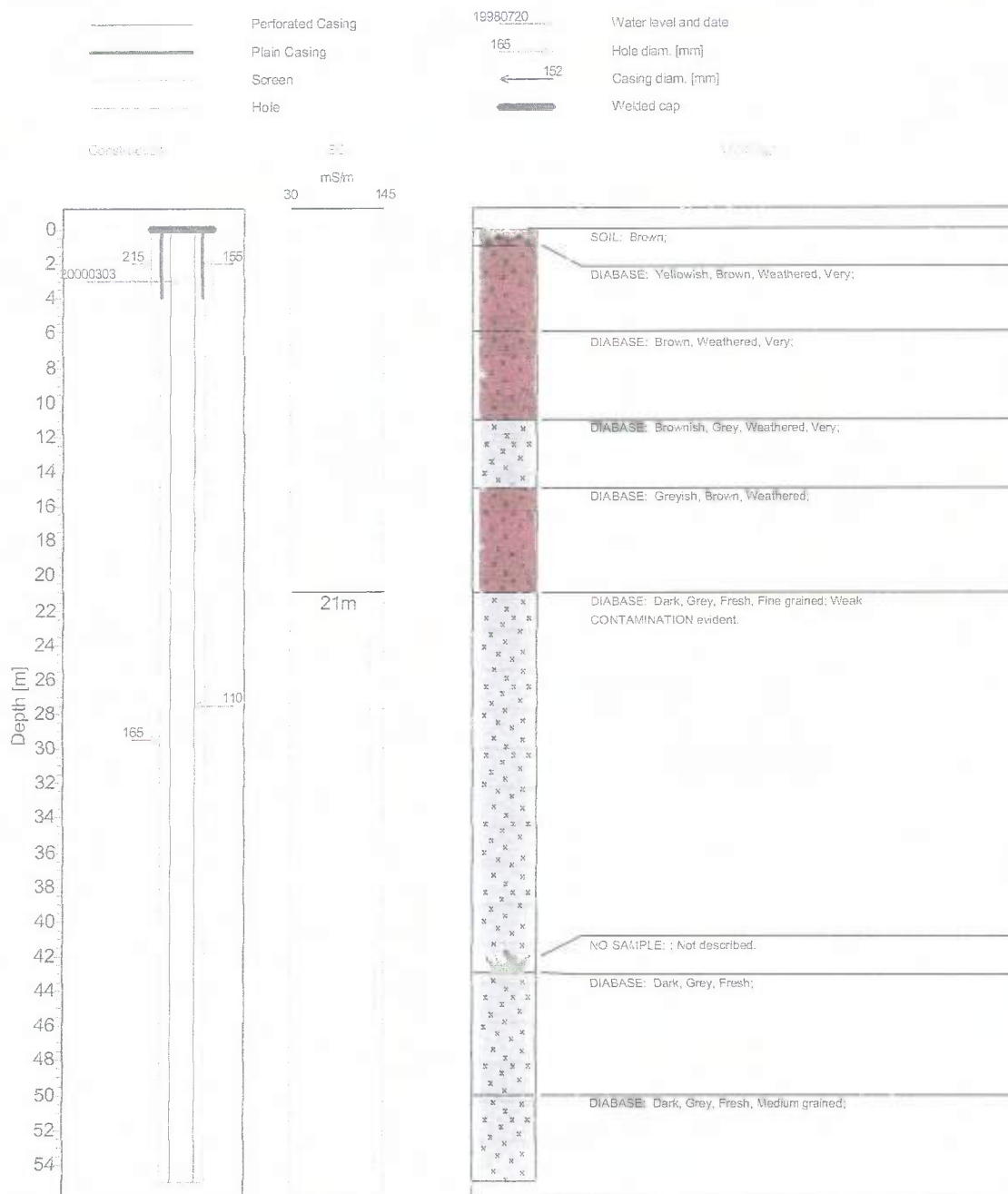
Use applic.: Industrial - industrial

Diam. [mm]: 110

Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. inst.: JMA



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01124 Number: IVB-D124 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D124

Region Type:

Region Descr.: MATURATION PONDS

Y Coord. [m]: -82578.91

Reg./BB.: CS07

Topo-srf.: Flat surface, plain

Depth [m]: 36.00

X Coord. [m]: 2947105.91

Site status: In use

Col. ht. [m]: 0.37

Altitude [m]: 1504.22

G-Nr.:

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 130

Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const Contractor

Constr. meth.

Type finish

Development Method

Special Durat. treatment

Constr. cost

20010831 EDMS

Air percussion

Open bottom

Pumped with air

0 Pumped with

0.00

HOLE DIAMETER:

Rep. Inst.

Depth to Top [m]

Depth to Bottom [m]

Diameter [mm]

Date const.

Comment

JMA

0.00

18.00

215

20010706

CASED TO 165

JMA

18.00

36.00

165

20010706

CASED TO 130

CASING DETAILS:

Date inst.

Dep. to top [m]

Bot. [m]

Diam. [mm]

Material

Thickn. [mm]

Opening Type

Length

Width

Hori. dist.

Vert. dist.

20010808

0.00

18.00

165

Steel

3

Plain casing

0

0

0

0

20010808

18.00

24.00

130

Steel

3

Plain casing

0

0

0

0

20010808

24.00

36.00

130

Steel

3

Perforated or slotted

250

2

43

250

AQUIFER:

Rep. Inst.

Depth to Top [m]

Bot. [m]

Yield [l/s]

Method meas.

Aquifer type

Info source

Comment

JMA

33.00

34.00

0.10

Notch (V- or U-notch)

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

Colour Primary

Secondary

Texture

Feature Primary

Secondary

0.00

2.00

SOIL

Red

Brownish

2.00

18.00

CLAY

Red

18.00

24.00

CLAY

Yellow

Bluish

24.00

32.00

CLAY

Red

32.00

34.00

SHALE

Black

34.00

36.00

DIABASE

Broken

WATER LEVEL:

Meth. meas.

Level status

Piez. Info source

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Geologist,

20011004

0825

0.00

1.83

Electrical contact

Static

0

Geologist,

20011008

0910

0.00

1.94

SLUGTEST

Electrical contact

Static

0

Geologist,

20011008

1205

0.00

1.88

TESTING DETAILS:

Description

Date started

Durat. [s]

Depth to intk. [m]

Disch. rate [l/s]

Drawd. [m]

Recovery: [m] %

Trans. [m³/d]

Perm. [mld]

Stor. Comment

SLUGTEST

20011008

1500

0

0.115

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

BASIC SITE INFORMATION: Site Identifier: 2627DB01124 Number: IVB-D124 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D124

Y Coord. [m]: -82578.910

X Coord. [m]: 2947105.91

Altitude [m]: 1504.22

Coord. acc.: Accurate to within 10 units

Coord. meth.: Global Positioning System

Alt. No. 1:

Alt. No. 2: G51D

Topo-set.: Flat surface, plain

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 36.00

Collar h. [m]: 0.41

Drain. reg.: C220

Diam. [mm]: 130

Rep. inst.: JMA

Construction and Geology Log Legend



COMMENT:

Page 1



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01125 Number: IVB-D125 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D125

Region Type:

Region Descr.: CETP SLUDGE DAMS

Y Coord. [m]: -81307.96

Reg./BB.: CS22

Topo-set.: Hillside (slope)

Depth [m]: 27.00

X Coord. [m]: 2949189.96

G-Nr.:

Site status: In use

Col. ht. [m]: 0.63

Altitude [m]: 1496.87

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 125

Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. Inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	7.00	215	19980511	
JMA	7.00	27.00	165	19980511	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19980511	0.00	3.00	125		3		0	0	0	0
19980511	3.00	27.00	125	PVC	6	Perforated or slotted	25	2	25	10

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	6.00	CLAY	Brown	Brown			
6.00	16.00	DIABASE	Brown	Olive		Weathered	
16.00	24.00	DIABASE	Brown	Greyish		Weathered	
24.00	27.00	DIABASE	Brown	Greyish		Weathered	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000126	1546	0.00	1.40	
Electrical contact	Static	0		20000308	1419	0.00	1.52	
Electrical contact	Static	0		20000728	1328	0.00	1.62	
Electrical contact	Static	0	Geologist,	20001114	1136	0.00	1.41	
Electrical contact	Static	0	Field checked	20010116	1305		1.45	
Electrical contact	Static	0	Field checked	20010208	1320	0.00	1.56	
Electrical contact	Static	0	Field checked	20010305	1010	0.00	1.48	
Electrical contact	Static	0	Field checked	20010827	1110	0.00	1.65	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010307	1800	0	0	0	0 0	0	0.034	0	

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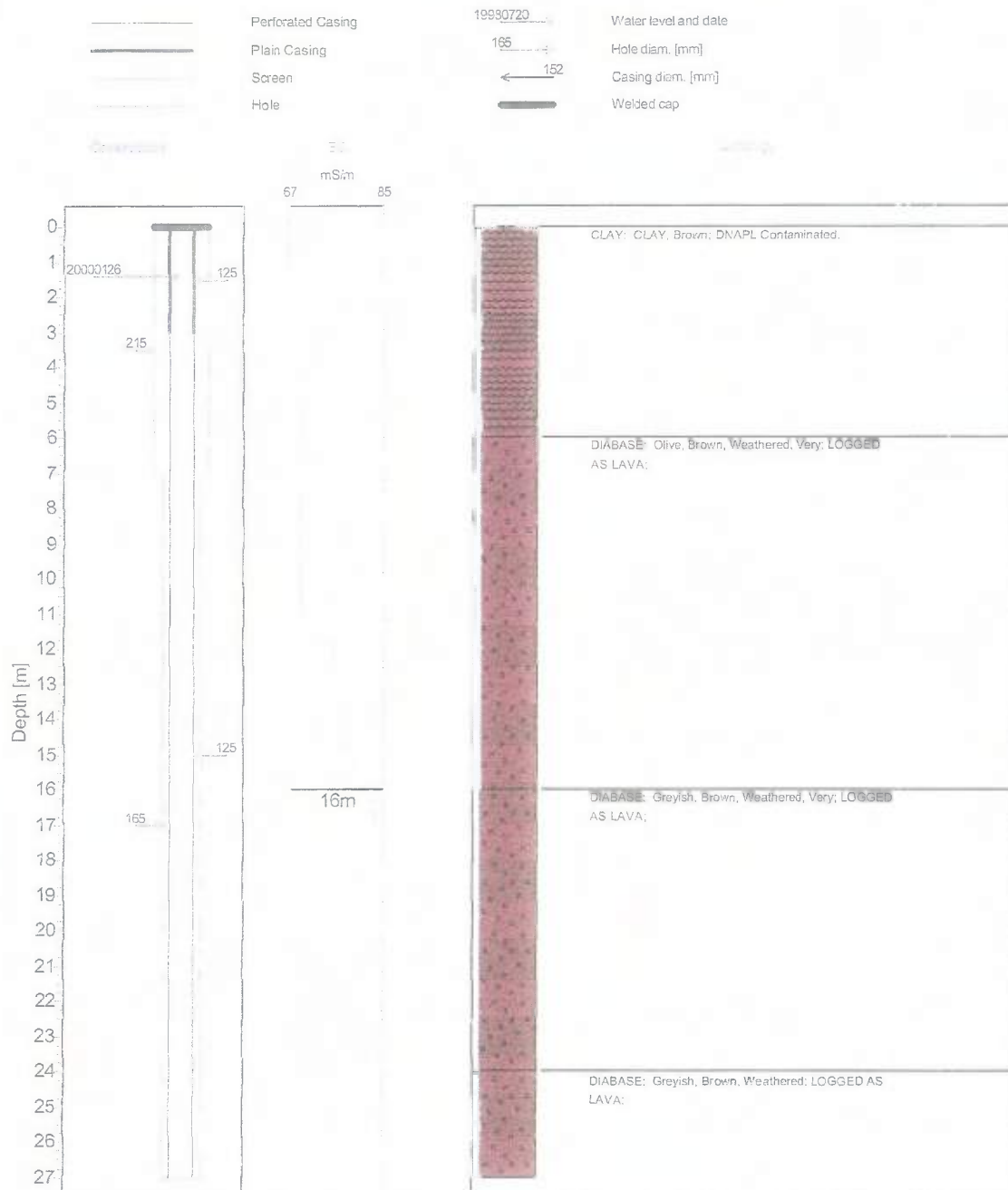
Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01125 Number: IVB-D125 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D125

Y Coord. [m]:	-81307.960	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]:	27.00
X Coord. [m]:	2949189.96	Alt. No. 2: CETP 3D	Site status: In use	Collar h. [m]:	0.63
Altitude [m]:	1496.87		Site purp.: Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]:	125
Coord. meth.:	Levelled or surveyed		Equipment: No equipment	Rep. inst.:	JMA



COMMENT:



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01126 Number: IVB-D126 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D126

Region Type:

Region Desc.: PROPOSED NEW WASTE SITE

Y Coord. [m]:	-83583.53	Reg.IBB.: CS14	Topo-set.: Hillside (slope)	Depth [m]:	40.00
X Coord. [m]:	2945774.69999	G-Nr.:	Site status: In use	Col. ht. [m]:	0.41
Altitude [m]:	1518.48		Site purp.: Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]:	165
Coord. meth.:	Global Positioning System		Equipment: No equipment	Rep. inst.:	JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special Durat. treatment	Constr. cost
20001206	EDMS	Air percussion	Open bottom			

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	25.00	214	19970811	
JMA	25.00	40.00	165	19970811	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19970811	0.00	25.00	165	Steel	3					
19970811	25.00	40.00	125	PVC	6	Perforated or slotted	25	2	25	10

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	25.00	28.00	4.17	Estimated	Fractured	Report or file	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	4.00	SOIL	Brown	Dark			
4.00	6.00	SHALE	Brown	Yellowish		Weathered	
6.00	26.00	SHALE	Brown	Yellowish		Weathered	
26.00	28.00	SHALE	Brown	Light		Fractured	Weathered
28.00	30.00	SHALE	Brown	Light		Weathered	
30.00	40.00	SHALE	Grey	Dark		Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000203	1433	0.00	5.26	
Electrical contact	Static	0	Field checked	20000511	1546	0.00	2.77	
Electrical contact	Static	0		20000728	1248	0.00	3.58	
Electrical contact	Static	0	Field checked	20000911	1510	0.00	4.30	
Electrical contact	Static	0	Field checked	20010116	1706		4.51	
Electrical contact	Static	0	Field checked	20010208	1323	0.00	4.88	
Electrical contact	Static	0	Field checked	20010821	1158	0.00	7.89	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010223	600	0	0	0	0 0 0 0	0	0.084	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

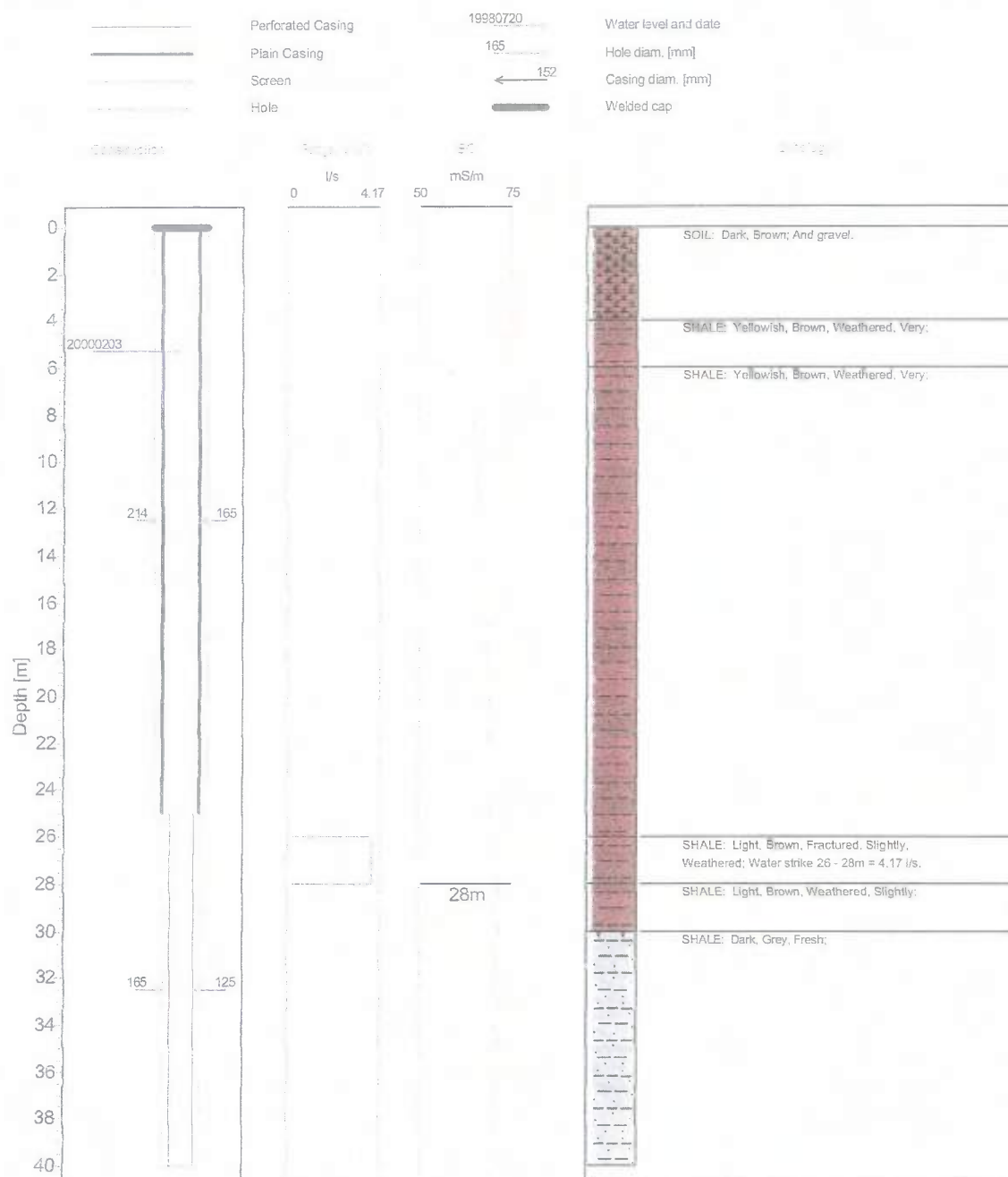
Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01126 Number: IVB-D126 Site type: Borehole
 Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D126

Y Coord. [m]:	-83583.530	Alt. No. 1:		Topo-set.:	Hillside (slope)	Depth [m]:	40.00
X Coord. [m]:	2945774.70	Alt. No. 2:	IPD 1	Site status:	In use	Collar h. [m]:	0.41
Altitude [m]:	1518.48			Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 1 unit			Use applic.:	Industrial - industrial	Diam. [mm]:	165
Coord. meth.:	Global Positioning System			Equipment:	No equipment	Rep. inst.:	JMA

Construction and Geohydrological Legend



COMMENT:

Jasper Müller Associates cc.
 P O Box 883
 Delmas
 2210
 Tel: (013)665 1788
 E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site identifier: 2627DB01127 Number: IVB-D127 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D127

Region Type:

Region Desc.: PROPOSED NEW WASTE SITE

Y Coord. [m]:	-84212.23	Reg./BB.: CS14	Topo-set.: Hillside (slope)	Depth [m]:	30.00
X Coord. [m]:	2946380.37999	G-Nr.:	Site status: In use	Col. ht. [m]:	0.34
Altitude [m]:	1519.66		Site purp.: Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]:	110
Coord. meth.:	Levelled or surveyed		Equipment: No equipment	Rep. Inst.:	JMA

HOLE DIAMETER:		Depth to	Depth to	Diameter [mm]	Date const.	Comment
Rep. Inst.	Top [m]	Bottom [m]				
JMA	0.00	30.00		165	19970813	

CASING DETAILS:		Diam.	Material	Thickn.	Opening	Length	Width	Hori. dist.	Vert. dist.
Date inst.	Dep. to top [m]	Bot. [m]		[mm]	[mm]				
19970813	0.00	1.00	125	PVC	3		0	0	0
19970813	1.00	30.00	125	PVC	6	Perforated or slotted	25	2	25

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	4.00	SOIL	Brown	Dark		Clayey	
	4.00	30.00	LAVA	Brown	Yellowish		Weathered	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000203	1435	0.00	5.59	
	Electrical contact	Static	0	Field checked	20000511	1547	0.00	2.44	
	Electrical contact	Static	0		20000728	1250	0.00	3.03	
	Electrical contact	Static	0	Field checked	20000911	1512	0.00	3.20	
	Electrical contact	Static	0	Geologist,	20001108	1530	0.00	3.54	
	Electrical contact	Static	0	Field checked	20010117	1100		3.62	
	Electrical contact	Static	0	Field checked	20010821	1250	0.00	6.61	

TESTING DETAILS:	Date started	Durat. [s]	Depth to Intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010301	1800	0	0	0	0 0 0 0	0	0.025	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

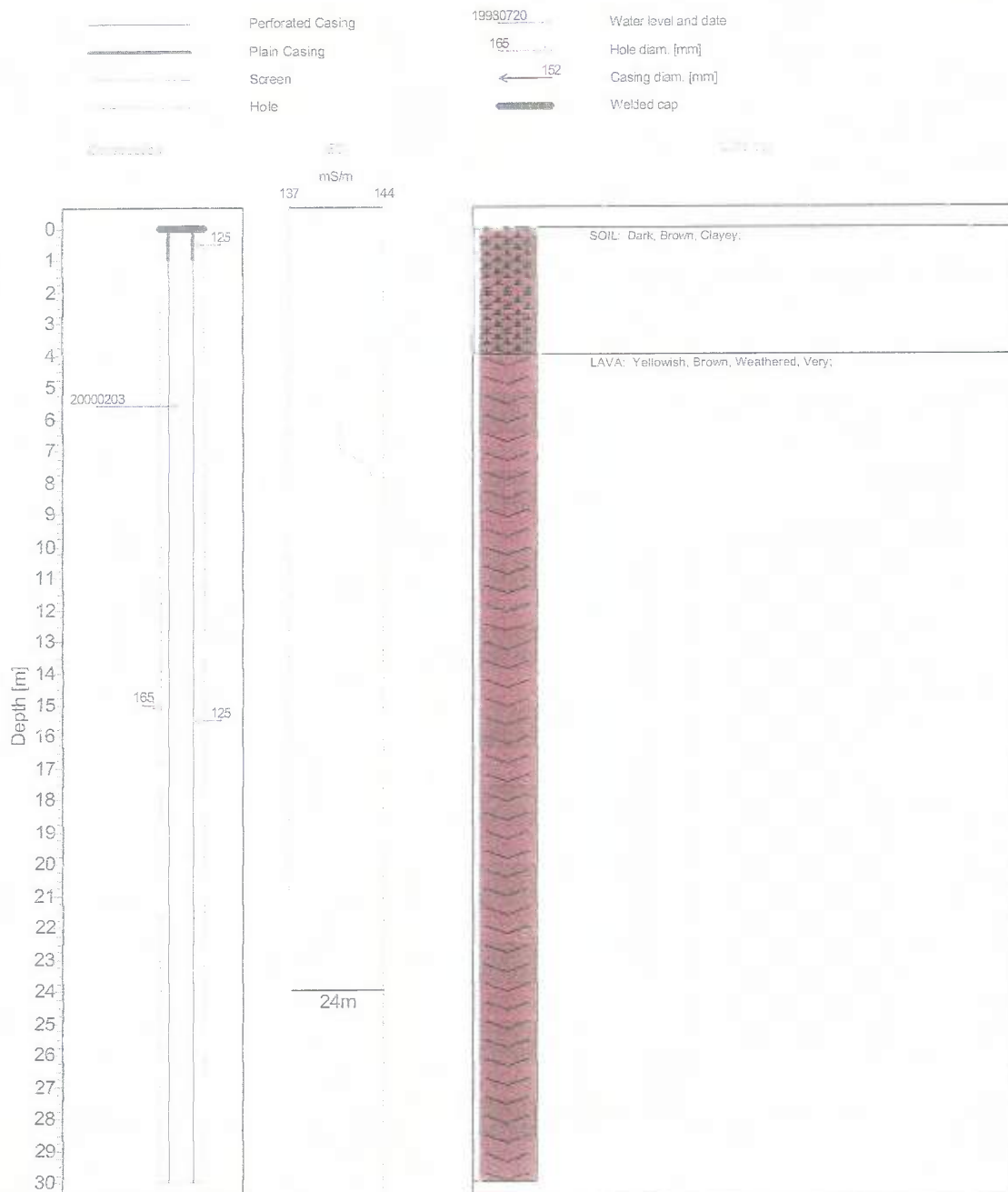
Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01127 Number: IVB-D127 Site type: Borehole
 Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D127

Y Coord. [m]:	-84212.230	Alt. No. 1:		Topo-set.:	Hillside (slope)	Depth [m]:	30.00
X Coord. [m]:	2946380.38	Alt. No. 2:	IPD 3	Site status:	In use	Collar h. [m]:	0.34
Altitude [m]:	1519.66			Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 1 unit			Use applic.:	Industrial - industrial	Diam. [mm]:	110
Coord. meth.:	Levelled or surveyed			Equipment:	No equipment	Rep. inst.:	JMA

Observation and Geophysical Log



COMMENT:



Jasper Müller Associates cc.
 P O Box 883
 Delmas
 2210
 Tel: (013)665 1788
 E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01128 Number: IVB-D128 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D12

Region Type:

Region Desc.: PROPOSED NEW WASTE SITE

Y Coord. [m]:	-84773.127	Reg./BB.: CS14	Topo-set.: Hillside (slope)	Depth [m]:	40.00
X Coord. [m]:	2946078.85	G-Nr.:	Site status: In use	Col. ht. [m]:	0.63
Altitude [m]:	1520.48		Site purp.: Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]:	110
Coord. meth.:	Levelled or surveyed		Equipment: No equipment	Rep. inst.:	JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	40.00	165	19970814	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19970814	0.00	31.00	125	PVC	3		0	0	0	0
19970814	31.00	40.00	125	PVC	6	Perforated or slotted	25	2	25	10

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	2.00	SOIL	Brown	Dark		Clayey	
2.00	5.00	SOIL	Brown	Orange		Clayey	
5.00	15.00	LAVA	Brown	Yellowish		Weathered	
15.00	18.00	LAVA	Brown	Dark		Weathered	
18.00	22.00	LAVA	Grey	Brownish		Weathered	
22.00	40.00	LAVA	Grey	Dark		Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000203	1436	0.00	14.08	
Electrical contact	Static	0		20000728	1250	0.00	11.73	
Electrical contact	Static	0	Field checked	20000911	1513	0.00	11.78	
Electrical contact	Static	0	Field checked	20010117	1023		12.42	
Electrical contact	Static	0	Field checked	20010208	1325	0.00	12.54	
Electrical contact	Static	0	Field checked	20010806	1332	0.00	14.06	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010302	1800	0	0	0	0 0 0	0	0.024	0	

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Jasper Müller Associates cc.
 P O Box 883
 Delmas
 2210
 Tel: (013)665 1788
 E-mail: webmaster@jma-cc.co.za

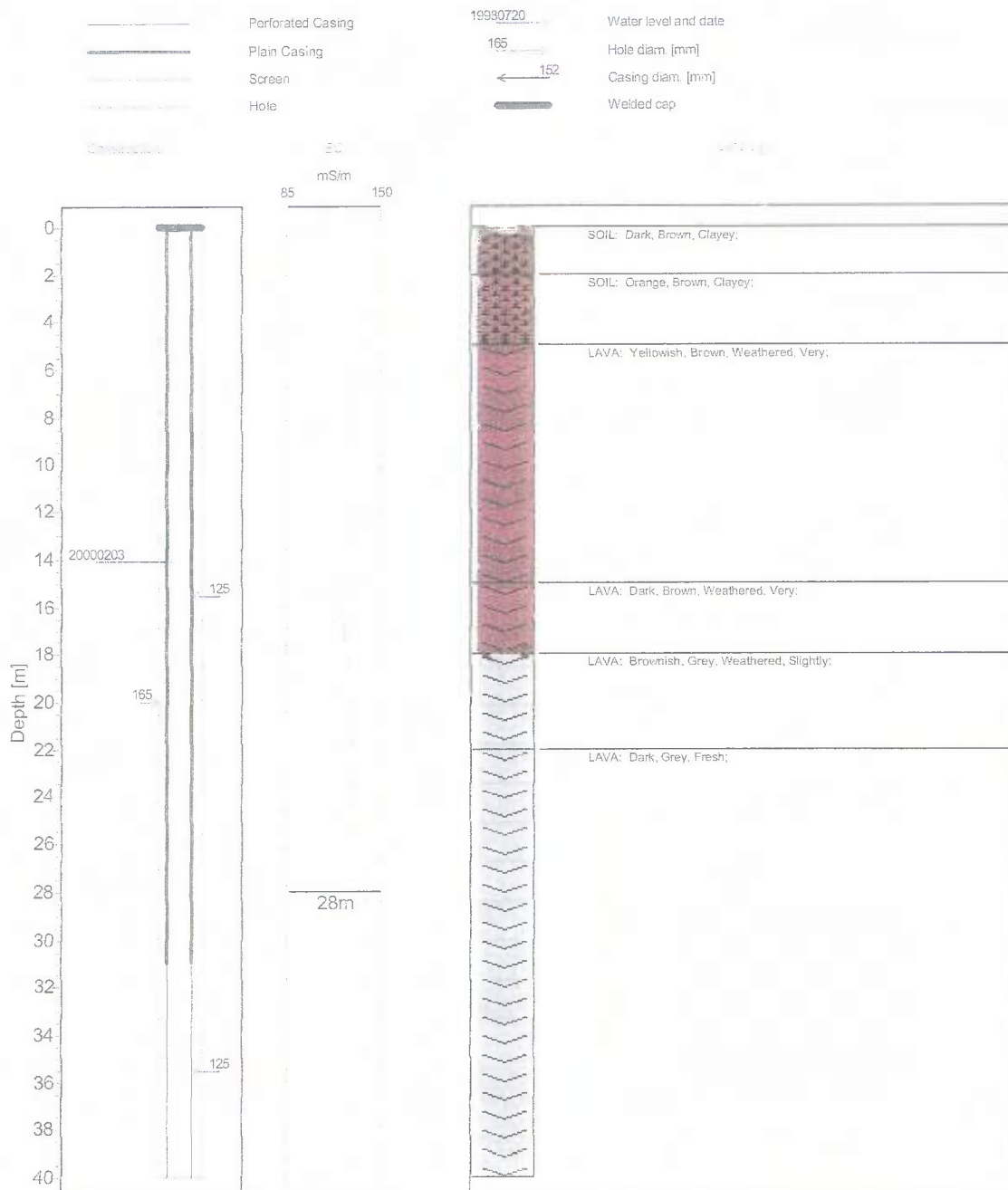
Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01128 Number: IVB-D128 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D12

Y Coord. [m]: -84773.127	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 40.00
X Coord. [m]: 2946078.85	Alt. No. 2: IPD 4	Site status: In use	Collar h. [m]: 0.63
Altitude [m]: 1520.48		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geology Log



COMMENT:



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01129 Number: IVB-D129 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D12

Region Type:

Region Desc.: PROPOSED NEW WASTE SITE

Y Coord. [m]:	-84786.357	Reg.IBB.: CS14	Topo-set.: Hillside (slope)	Depth [m]:	30.50
X Coord. [m]:	2947325.93	G-Nr.:	Site status: In use	Col. ht. [m]:	0.26
Altitude [m]:	1503.47		Site purp.: Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]:	110
Coord. meth.:	Levelled or surveyed		Equipment: No equipment	Rep. inst.:	JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	25.00	214	19970814	
JMA	25.00	30.50	165	19970814	

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19970814	0.00	16.00	165	Steel	3					
	19970814	0.00	18.00	125	PVC	3		0	0	0	0
	19970814	16.00	23.00	165	Steel	6	Perforated or slotted	250	2	43	250
	19970814	18.00	30.50	125	PVC	6	Perforated or slotted	25	2	25	10

AQUIFER:	Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA		18.00	20.00	5.56	Estimated	Fractured	Report or file	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown	Dark			
	2.00	4.00	CLAY	Brown	Light			
	4.00	18.00	LAVA	Brown	Yellowish		Weathered	
	18.00	20.00	LAVA	Brown	Yellowish		Fractured	
	20.00	29.00	LAVA	Grey	Brownish		Weathered	
	29.00	30.50	LAVA	Grey	Dark		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000203	1437	0.00	3.61	
	Electrical contact	Static	0	Field checked	20000511	1548	0.00	1.42	
	Electrical contact	Static	0		20000726	1012	0.00	1.52	
	Electrical contact	Static	0	Field checked	20000911	1516	0.00	2.00	
	Electrical contact	Static	0	Geologist,	20001108	1546	0.00	1.92	
	Electrical contact	Static	0	Field checked	20010116	1548		2.37	
	Electrical contact	Static	0	Field checked	20010208	1327	0.00	2.76	
	Electrical contact	Static	0	Field checked	20010806	1230	0.00	3.60	

TESTING DETAILS:	Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST		20010307	300	0	0	0	0 0 0	0	0.774	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

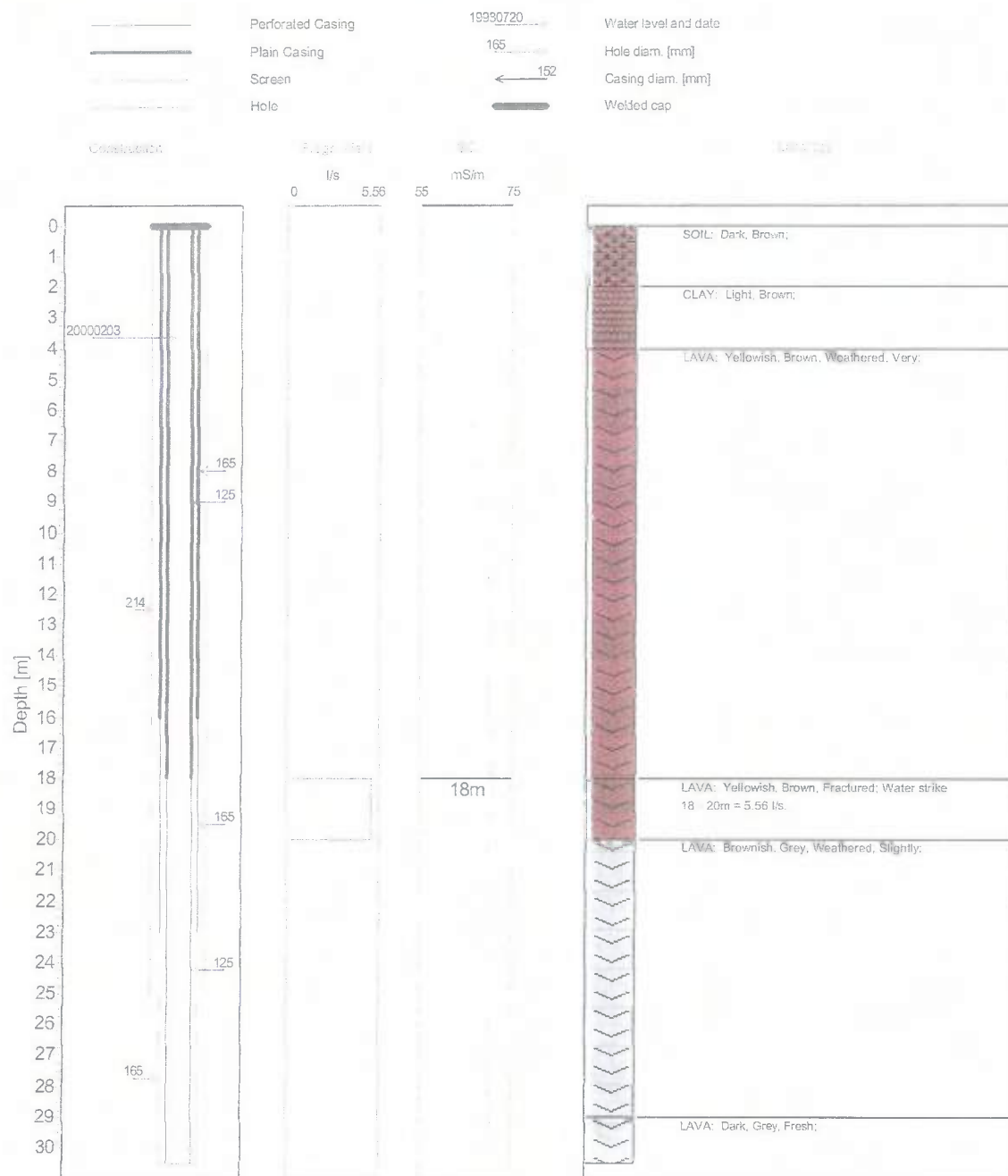
Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01129 Number: IVB-D129 Site type: Borehole
 Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D12

Y Coord. [m]: -84786.357	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 30.50
X Coord. [m]: 2947325.93	Alt. No. 2: IPD 5	Site status: In use	Collar h. [m]: 0.26
Altitude [m]: 1503.47		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Log



COMMENT:

Jasper Müller Associates cc.
 P O Box 883
 Delmas
 2210
 Tel: (013)665 1788
 E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01130 Number: IVS-D130 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D13

Region Type:

Region Desc.: PROPOSED NEW WASTE SITE

Y Coord. [m]:	-84760.33098	Reg.IBB.: CS14	Topo-set.: Hillside (slope)	Depth [m]:	40.00
X Coord. [m]:	2947570.80104	G-Nr.:	Site status: In use	Col. ht. [m]:	0.56
Altitude [m]:	1501.00		Site purp.: Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]:	110
Coord. meth.:	Levelled or surveyed		Equipment: No equipment	Rep. inst.:	JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	25.00	214	19970815	
JMA	25.00	40.00	165	19970815	

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19970815	0.00	25.00	125	PVC	3		0	0	0	0
	19970815	25.00	40.00	125	PVC	5	Perforated or slotted	25	2	25	10

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	18.00	20.00	0.97	Estimated	Fractured	Report or file	
JMA	28.00	30.00	5.00	Estimated	Fractured	Report or file	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown	Dark		Clayey	
	2.00	7.00	LAVA	Brown	Orange		Weathered	
	7.00	18.00	LAVA	Brown	Yellowish		Weathered	
	18.00	20.00	LAVA	Brown	Yellowish		Fractured	
	20.00	28.00	LAVA	Brown	Yellowish		Weathered	
	28.00	30.00	LAVA	Brown	Yellowish		Fractured	
	30.00	31.00	LAVA	Grey	Brownish		Weathered	
	31.00	40.00	LAVA	Grey	Dark		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000203	1437	0.00	5.33	
	Electrical contact	Static	0	Field checked	20000511	1548	0.00	3.21	
	Electrical contact	Static	0		20000728	1251	0.00	3.64	
	Electrical contact	Static	0	Field checked	20000911	1517	0.00	3.97	
	Electrical contact	Static	0	Geologist,	20001108	1547	0.00	3.95	
	Electrical contact	Static	0	Field checked	20010116	1520		4.30	
	Electrical contact	Static	0	Field checked	20010806	1115	0.00	5.51	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010308	1800	0	0	0	0 0 0 0	0	0.061	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

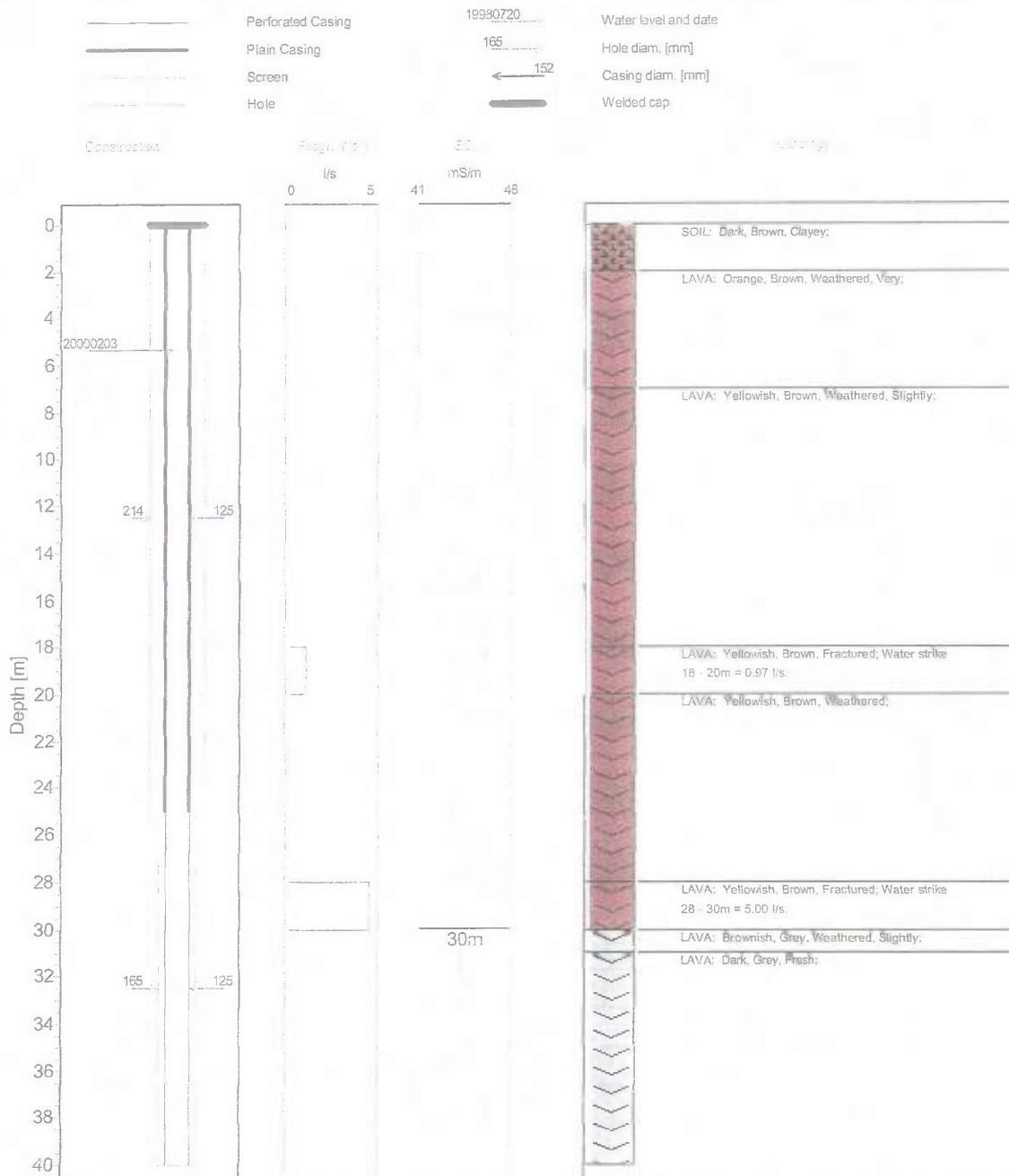
Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01130 Number: IVB-D130 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D13

Y Coord. [m]: -84760.331	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 40.00
X Coord. [m]: 2947570.80	Alt. No. 2: IPD 6	Site status: In use	Collar h. [m]: 0.56
Altitude [m]: 1501.00		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - Industrial	Diam. [mm]: 110
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site identifier: 2627DB01131 Number: IVB-D131 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D131

Region Type:

Region Descr.: HECKETTS SOUTH/ ELECTRO SLAG AREA

Y Coord. [m]:	-80419.97	Reg./BB.: SM03	Topo-set.: Flat surface, plain	Depth [m]:	18.00
X Coord. [m]:	2950929.98	G-Nr.:	Site status: In use	Col. ht. [m]:	0.35
Altitude [m]:	1491.65		Site purp.: Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]:	125
Coord. meth.:	Levelled or surveyed		Equipment: No equipment	Rep. inst.:	JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	18.00	214	19971006	

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19971006	0.00	1.00	125	PVC	3		0	0	0	0
	19971006	1.00	18.00	125	PVC	6	Perforated or slotted	25	2	25	10

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	15.00	16.00	0.14	Estimated	Fractured	Report or file	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown	Dark		Clayey	
	2.00	5.00	SILTSTONE	Green	Orange			
	5.00	11.00	DIABASE				Weathered	
	11.00	18.00	DIABASE				Fractured	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000126	1548	0.00	2.61	
	Electrical contact	Static	0		20000204	0918	0.00	2.64	
	Electrical contact	Static	0		20000406	1007	0.00	1.93	
	Electrical contact	Static	0		20000727	1246	0.00	2.90	
	Electrical contact	Static	0	Field checked	20000905	1533	0.00	2.85	
	Electrical contact	Static	0	Field checked	20010116	0754		2.47	
	Electrical contact	Static	0	Field checked	20010508	1416	0.00	3.68	
	Electrical contact	Static	0	Field checked	20010810	1235	0.00	2.93	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010308	300	0	0	0	0 0 0	0	0.294	0	

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Borehole Construction and Geological Log

Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01131 Number: IVB-D131 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D131

Y Coord. [m]: -80419.970	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 18.00
X Coord. [m]: 2950929.98	Alt. No. 2: HS-1S	Site status: In use	Collar h. [m]: 0.35
Altitude [m]: 1491.65		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01132 Number: IVB-D132 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D132

Region Type:

Region Descr.: HECKETT AREA

Y Coord. [m]: -82330.81	Reg./BB.: SM01	Topo-set.: Flat surface, plain	Depth [m]: 18.00
X Coord. [m]: 2950907.62	G-Nr.:	Site status: In use	Col. ht. [m]: 0.53
Altitude [m]: 1494.30		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	18.00	214	19971003	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19971003	0.00	1.00	125	PVC	3		0	0	0	0
19971003	1.00	18.00	125	PVC	6	Perforated or slotted	25	2	25	10

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	3.00	CLAY	Brown	Greenish			
3.00	8.00	SHALE	Red	Dark			
8.00	11.00	SILTSTONE	Brown	Reddish			
11.00	13.00	SILTSTONE	Brown	Reddish			
13.00	18.00	SILTSTONE	Brown	Orange			

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000126	1548	0.00	1.26	
Electrical contact	Static	0		20000204	0918	0.00	1.19	
Electrical contact	Static	0		20000406	1008	0.00	0.85	
Electrical contact	Static	0		20000727	1247	0.00	1.31	
Electrical contact	Static	0	Field checked	20000905	1533	0.00	1.45	
Electrical contact	Static	0	Geologist,	20001116	1027	0.00	1.29	
Electrical contact	Static	0	Field checked	20010116	0817		0.82	
Electrical contact	Static	0	Field checked	20010508	1420	0.00	0.61	
Electrical contact	Static	0	Field checked	20010820	1247	0.00	1.36	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010306	1800	0	0	0	0	0	0	0.001	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01132 Number: IVB-D132 Site type: Borehole

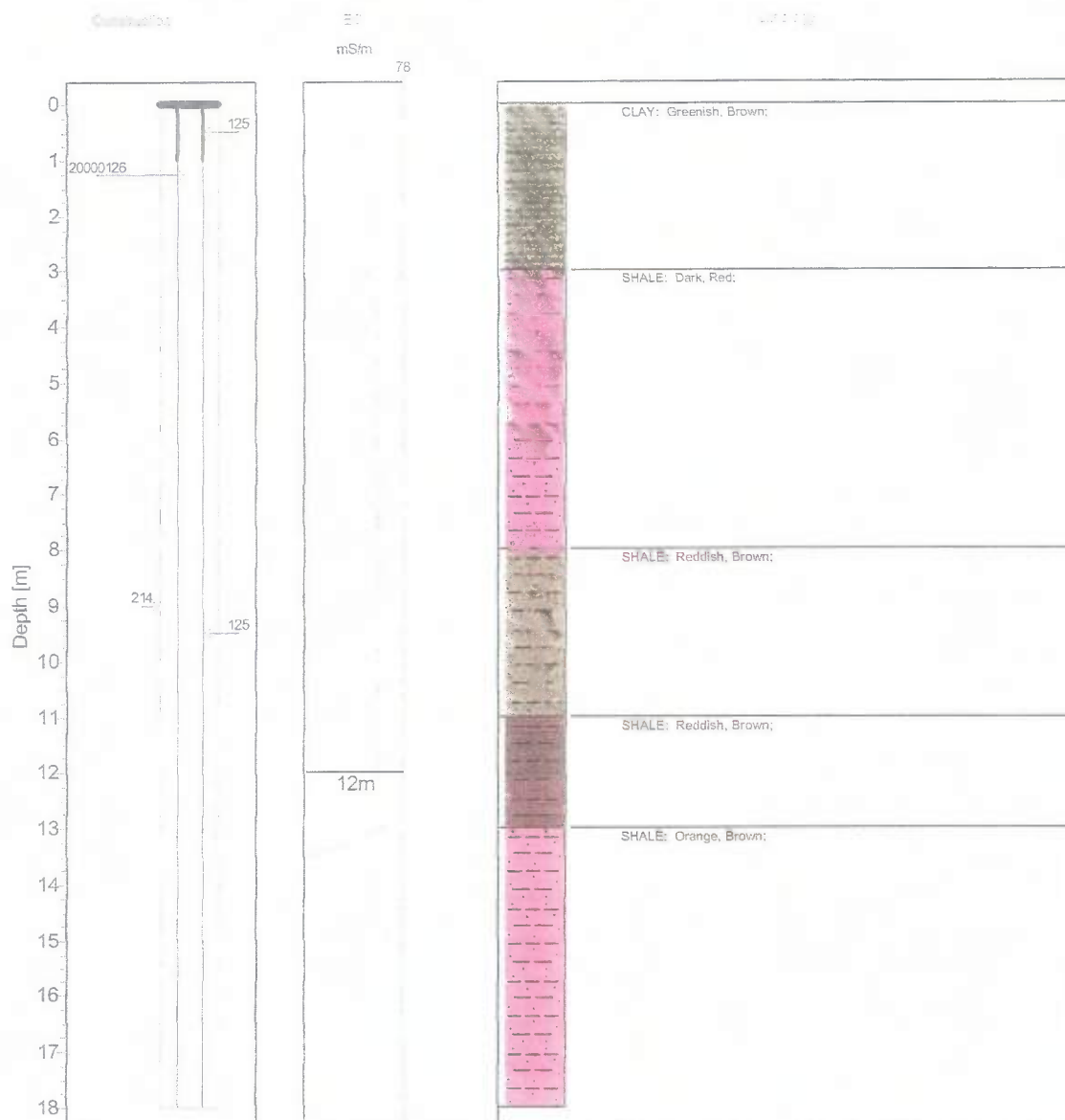
Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D132

Y Coord. [m]: -82330.810	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 18.00
X Coord. [m]: 2950907.62	Alt. No. 2: HS2-S	Site status: In use	Collar h. [m]: 0.53
Altitude [m]: 1494.30		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - Industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01133 Number: IVB-D133 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D133

Region Type:

Region Desc.: AT BOERE DIENSTE NEXT TO RAILROAD

Y Coord. [m]: -82991.091	Reg./BB.: SM01	Topo-set.: Flat surface, plain	Depth [m]: 42.00
X Coord. [m]: 2951231.082	G-Nr.:	Site status: In use	Col. ht. [m]: 0.33
Altitude [m]: 1491.74		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	18.00	214	19971003	
JMA	18.00	42.00	165	19971003	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19971003	0.00	17.00	195	Steel	3					

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	6.00	CLAY	Brown	Greenish			
6.00	8.00	QUARTZITE	White	Brownish		Fractured	
8.00	10.00	SHALE	Red	Orange			
10.00	18.00	QUARTZITE	White	Pinkish			
18.00	42.00	QUARTZITE	White	Pinkish			

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000126	1549	0.00	3.38	
Electrical contact	Static	0		20000204	0919	0.00	3.32	
Electrical contact	Static	0		20000406	1009	0.00	2.76	
Electrical contact	Static	0		20000727	1247	0.00	3.18	
Electrical contact	Static	0	Field checked	20000905	1534	0.00	3.34	
Electrical contact	Static	0	Geologist,	20001116	1054	0.00	3.21	
Electrical contact	Static	0	Field checked	20010116	0834	0.00	3.05	
Electrical contact	Static	0	Field checked	20010820	1048	0.00	3.72	
Electrical contact	Static	0	Field checked	20011012	1340	0.00	3.71	SLUGTEST

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m³/d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20011012	1500	0					0.004		

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Jasper Müller Associates cc.
 P O Box 883
 Delmas
 2210
 Tel: (013)665 1788
 E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01133 Number: IVB-D133

Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D133

Y Coord. [m]: -82991.091

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 42.00

X Coord. [m]: 2951231.08

Alt. No. 2: HS-3D

Site status: In use

Collar h. [m]: 0.33

Altitude [m]: 1491.74

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 165

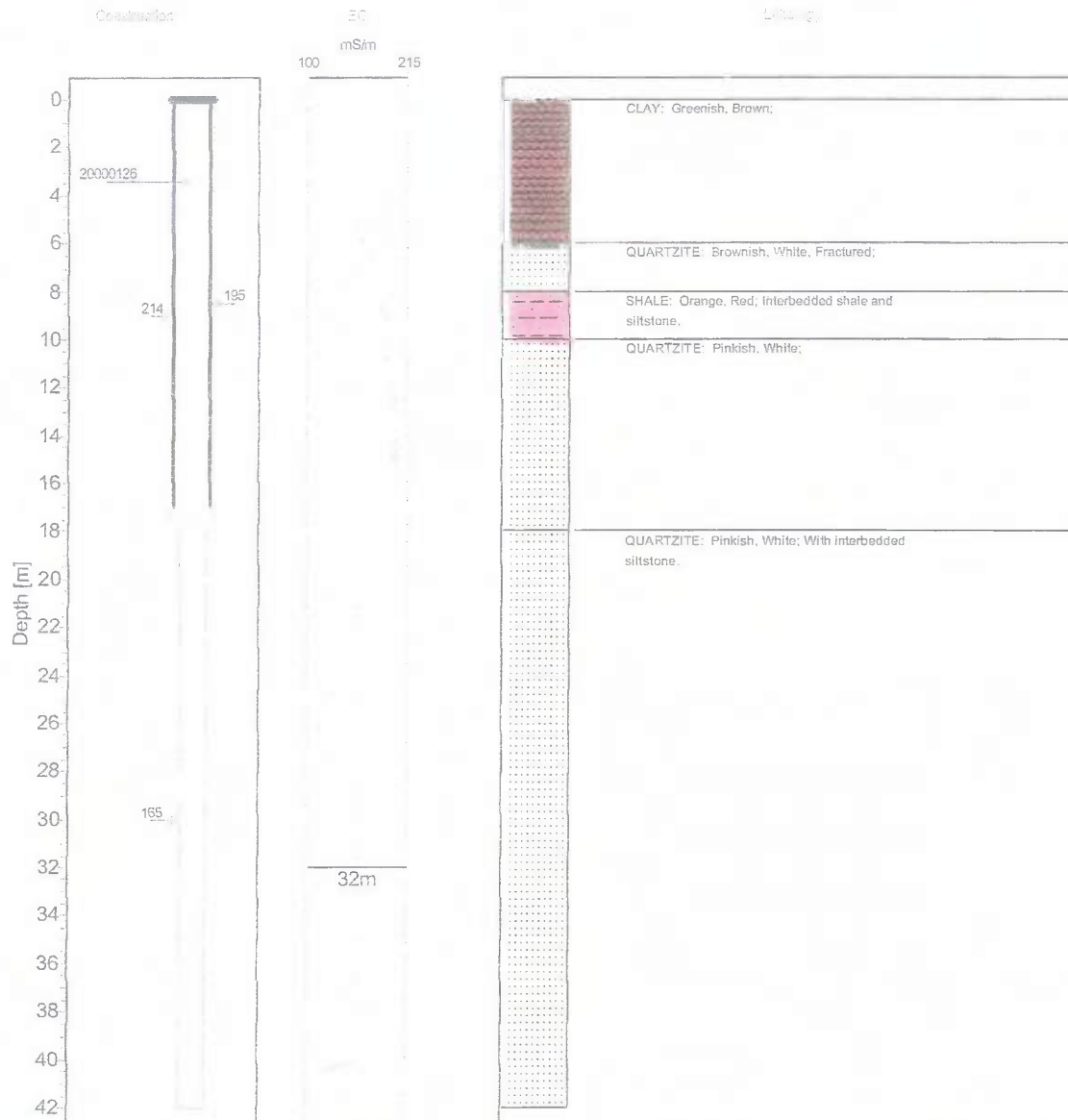
Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. inst.: JMA

Construction and Geohydrological Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01134 Number: IVB-D134 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D134

Region Type:

Region Desc.: OPEN AREA/ HECKETT

Y Coord. [m]: -83164.57	Reg./BB.: CS21	Topo-set.: Flat surface, plain	Depth [m]: 18.00
X Coord. [m]: 2951191.49	G-Nr.:	Site status: In use	Col. ht. [m]: 0.12
Altitude [m]: 1488.34		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	18.00	214	19971008	

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19971008	0.00	1.00	125	PVC	3		0	0	0	0
	19971008	1.00	18.00	125	PVC	6	Perforated or slotted	25	2	25	10

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SOIL	Brown	Orange		Clayey	
	1.00	18.00	QUARTZITE	White	Pinkish			

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000126	1549	0.00	1.38	
	Electrical contact	Static	0		20000204	0919	0.00	1.38	
	Electrical contact	Static	0		20000406	1009	0.00	0.77	
	Electrical contact	Static	0	Field checked	20000905	1534	0.00	1.40	
	Electrical contact	Static	0	Geologist,	20001115	1313	0.00	1.39	
	Electrical contact	Static	0	Geologist,	20010508	1422	0.00	1.63	
	Electrical contact	Static	0	Geologist,	20011005	0900	0.00	1.61	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	Trans. [m³/d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010307	1800	0	0	0	0 0 0	0	0.015	0	

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Research for IVS



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

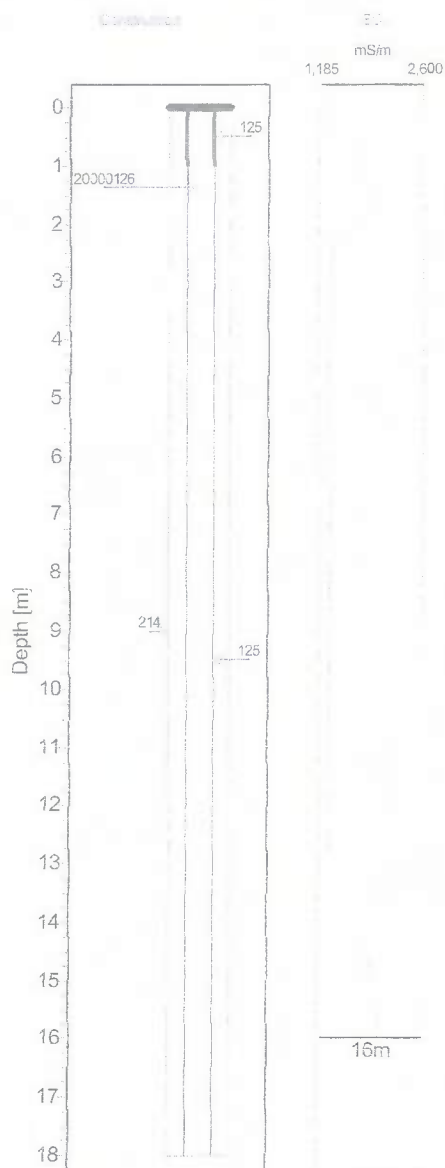
BASIC SITE INFORMATION: Site Identifier: 2627DB01134 Number: IVB-D134 Site type: Borehole

Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D134

Y Coord. [m]: -83164.570	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 18.00
X Coord. [m]: 2951191.49	Alt. No. 2: HS4-S	Site status: In use	Collar h. [m]: 0.12
Altitude [m]: 1488.34		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geology Log Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01135 Number: IVB-D135 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D135

Region Type:

Region Descr.: OPEN AREA/ HECKETT

Y Coord. [m]: -83224.461

Reg.IBB.: CS21

Topo-set.: Hillside (slope)

Depth [m]: 42.00

X Coord. [m]: 2950767.249

G-Nr.:

Site status: In use

Col. ht. [m]: 0.41

Altitude [m]: 1485.72

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	18.00	214	19971007	
JMA	18.00	42.00	195	19971007	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19971007	0.00	18.00	165	Steel	3					
19971007	0.00	18.00	195	Steel	3					
19971007	18.00	42.00	165	Steel	6	Perforated or slotted	25	2	25	10

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	18.00	19.00	0.28	Estimated	Weathered basin	Report or file	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	6.00	FERRICRETE	Red	Dark		Gravel-bearing	
6.00	16.00	SHALE	Brown	Yellowish		Clayey	
16.00	20.00	DIABASE				Weathered	
20.00	42.00	DIABASE			Coarse	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000126	1550	0.00	3.50	
Electrical contact	Static	0		20000204	0919	0.00	3.57	
Electrical contact	Static	0		20000406	1010	0.00	3.13	
Electrical contact	Static	0		20000727	1248	0.00	3.78	
Electrical contact	Static	0	Field checked	20000905	1535	0.00	3.56	
Electrical contact	Static	0	Geologist,	20001114	1403	0.00	3.67	
Electrical contact	Static	0	Field checked	20010116	0907	0.00	3.35	
Electrical contact	Static	0	Field checked	20010508	1423	0.00	3.53	
Electrical contact	Static	0	Field checked	20010820	1118	0.00	3.74	
Electrical contact	Static	0	Field checked	20011012	1240	0.00	3.87	SLUGTEST

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20011012	1500	0					0.003		

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

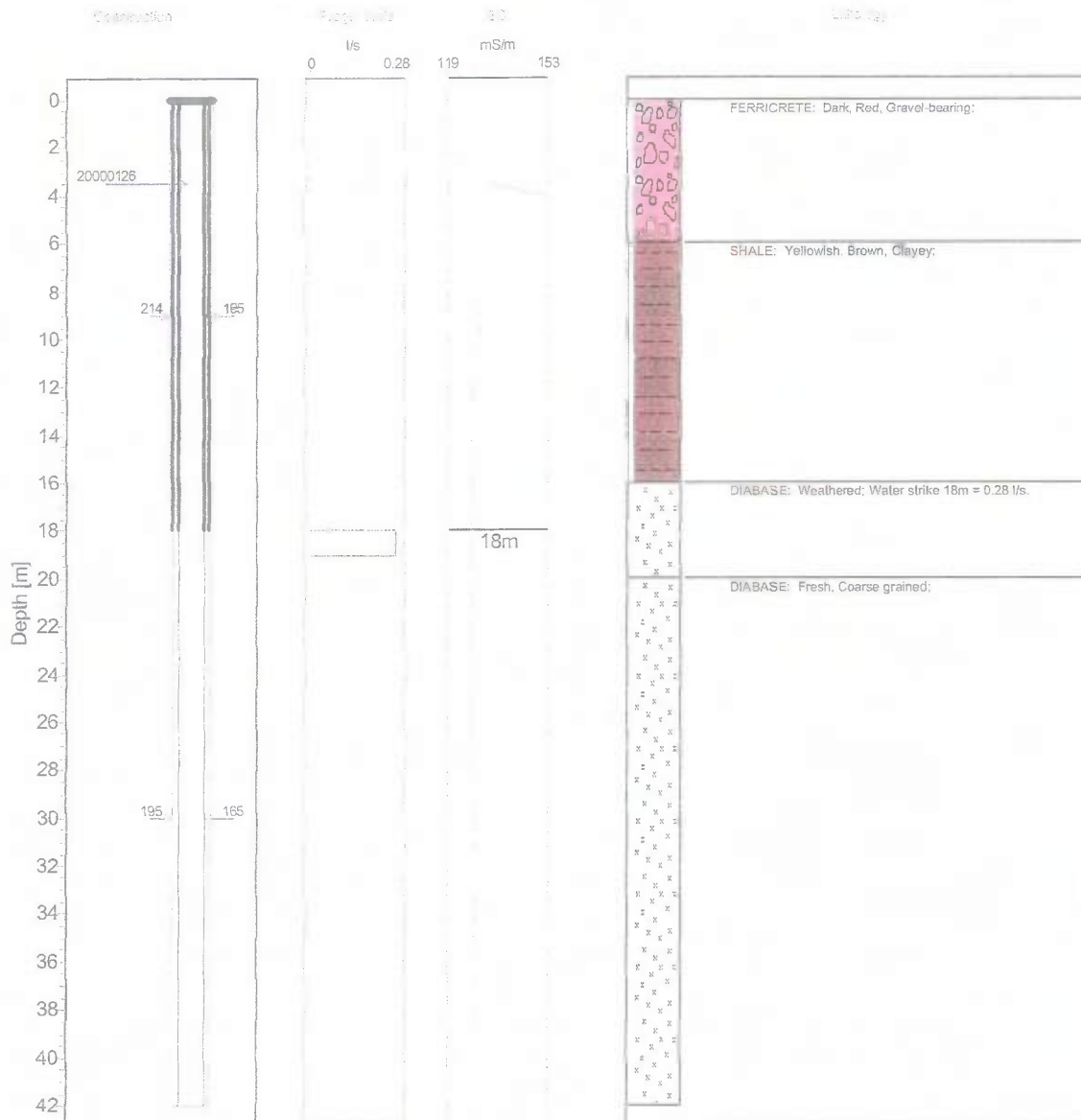
BASIC SITE INFORMATION: Site Identifier: 2627DB01135 Number: IVB-D135 Site type: Borehole

Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D135

Y Coord. [m]: -83224.461	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 42.00
X Coord. [m]: 2950767.25	Alt. No. 2: HS5-D	Site status: In use	Collar h. [m]: 0.41
Altitude [m]: 1485.72		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01136 Number: IVB-D136 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D13

Region Type:

Region Descr.: SOUTH-EASTERN BOUNDARY/ HECKETT AREA

Y Coord. [m]: -83452.036	Reg. IBB.: FARM	Topo-set.: Hillside (slope)	Depth [m]: 25.00
X Coord. [m]: 2951162.94	G-Nr.:	Site status: In use	Col. ht. [m]: 0.27
Altitude [m]: 1484.29		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	4.00	215	19980720	CASED TO 140
JMA	4.00	25.00	165	19980720	CASED TO 140

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19980720	0.00	10.00	125	PVC	3		0	0	0	0
	19980720	10.00	25.00	125	PVC	6	Perforated or slotted	25	2	25	10

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SOIL	Brown	Orange		Sandy	
	1.00	2.00	QUARTZITE	Grey	Brownish		Weathered	
	2.00	4.00	QUARTZITE	White	Greyish		Fresh	
	4.00	10.00	QUARTZITE	White	Greenish			
	10.00	13.00	SHALE	Brown			Weathered	Sandy
	13.00	25.00	QUARTZITE	Grey	Greenish		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000718	1330	0.00	2.23	
	Electrical contact	Static	0	Field checked	20000905	1537	0.00	2.53	
	Electrical contact	Static	0	Geologist,	20001115	1300	0.00	2.53	
	Electrical contact	Static	0	Field checked	20010117	0731		2.54	
	Electrical contact	Static	0	Field checked	20010508	1427	0.00	3.01	
	Electrical contact	Static	0	Field checked	20010822	1400	0.00	3.02	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010302	600	0	0	0	0 0 0	0	0.273	0	

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Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2527DB01136 Number: IVB-D136 Site type: Borehole

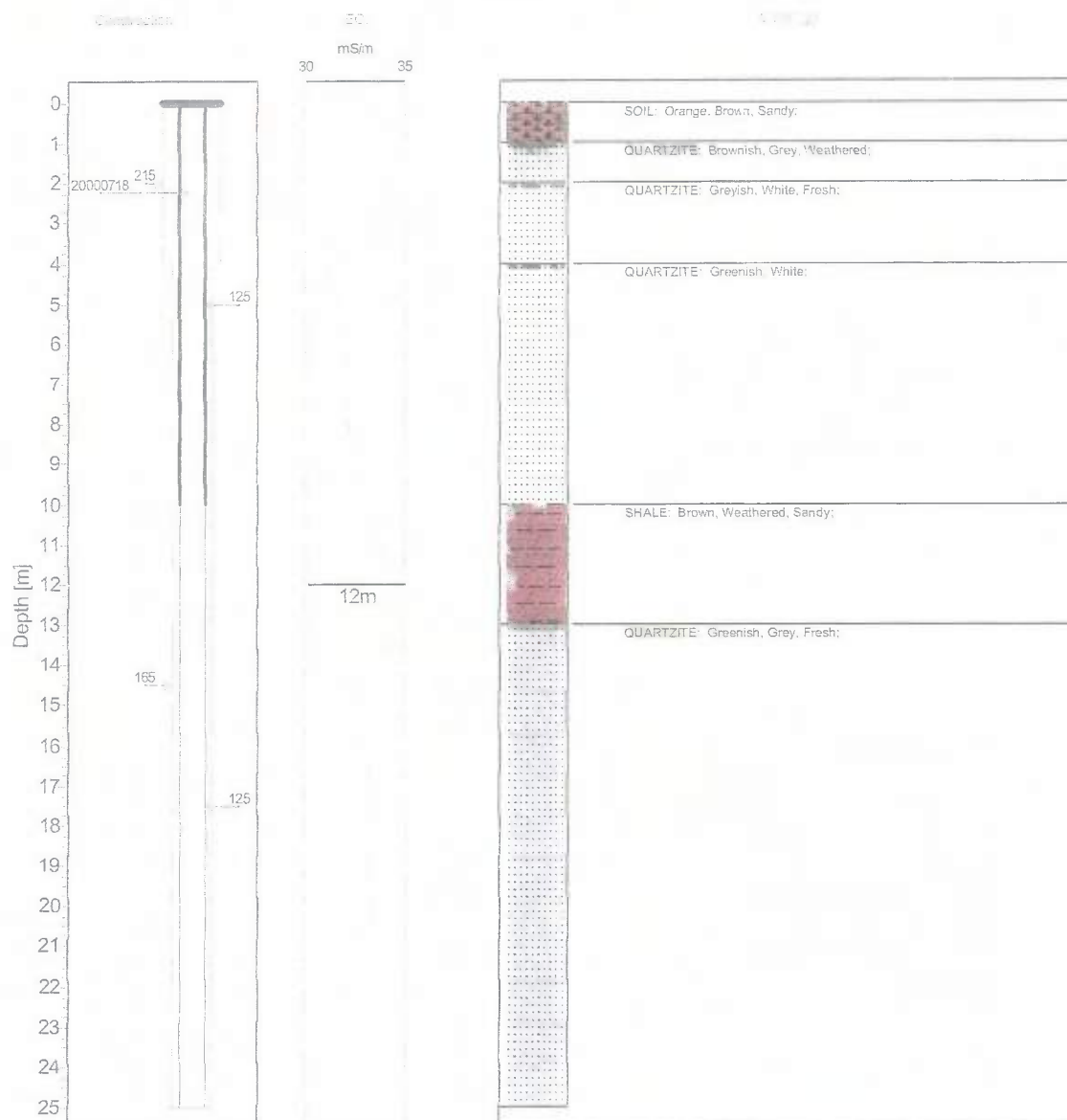
Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D13

Y Coord. [m]: -83452.036	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 25.00
X Coord. [m]: 2951162.94	Alt. No. 2: HS-7D	Site status: In use	Collar h. [m]: 0.27
Altitude [m]: 1484.29		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01137 Number: IVB-D137 Site type: Borehole
 Distr./Farm No.: ISCOR Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D13
 Region Type: Region Desc.: SOUTH-EASTERN BOUNDARY/ HECKETT AREA

Y Coord. [m]: -83709.003	Reg./BB.: FARM	Topo-sst.: In or along pan	Depth [m]: 43.00
X Coord. [m]: 2950684.754	G-Nr.:	Site status: In use	Col. ht. [m]: 0.43
Altitude [m]: 1476.18		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	10.00	215	19980720	CASED TO 140
JMA	10.00	43.00	165	19980720	CASED TO 140

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19980720	0.00	10.00	125	PVC	3		0	0	0	0
	19980720	10.00	43.00	125	PVC	6	Perforated or slotted	25	2	25	10

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	18.00	19.00	0.25	Estimated	Weathered basin	Report or file	

GEOLGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown	Dark		Clayey	
	2.00	7.00	SOIL	Brown	Light		Clayey	
	7.00	18.00	SHALE	Brown			Weathered	
	18.00	23.00	DIABASE	Grey	Brownish		Weathered	
	23.00	43.00	DIABASE	Grey	Dark		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000718	1330	0.00	0.53	
	Electrical contact	Static	0	Field checked	20000905	1537	0.00	0.70	
	Electrical contact	Static	0	Geologist,	20001115	1215	0.00	0.91	
	Electrical contact	Static	0	Field checked	20010117	0811		0.75	
	Electrical contact	Static	0	Field checked	20010508	1428	0.00	0.44	
	Electrical contact	Static	0	Field checked	20010806	0854	0.00	0.67	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010320	120	0	0	0	0 0 0	0	5.545	0	

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Jasper Müller Associates cc.
 P O Box 883
 Delmas
 2210
 Tel: (013)665 1788
 E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

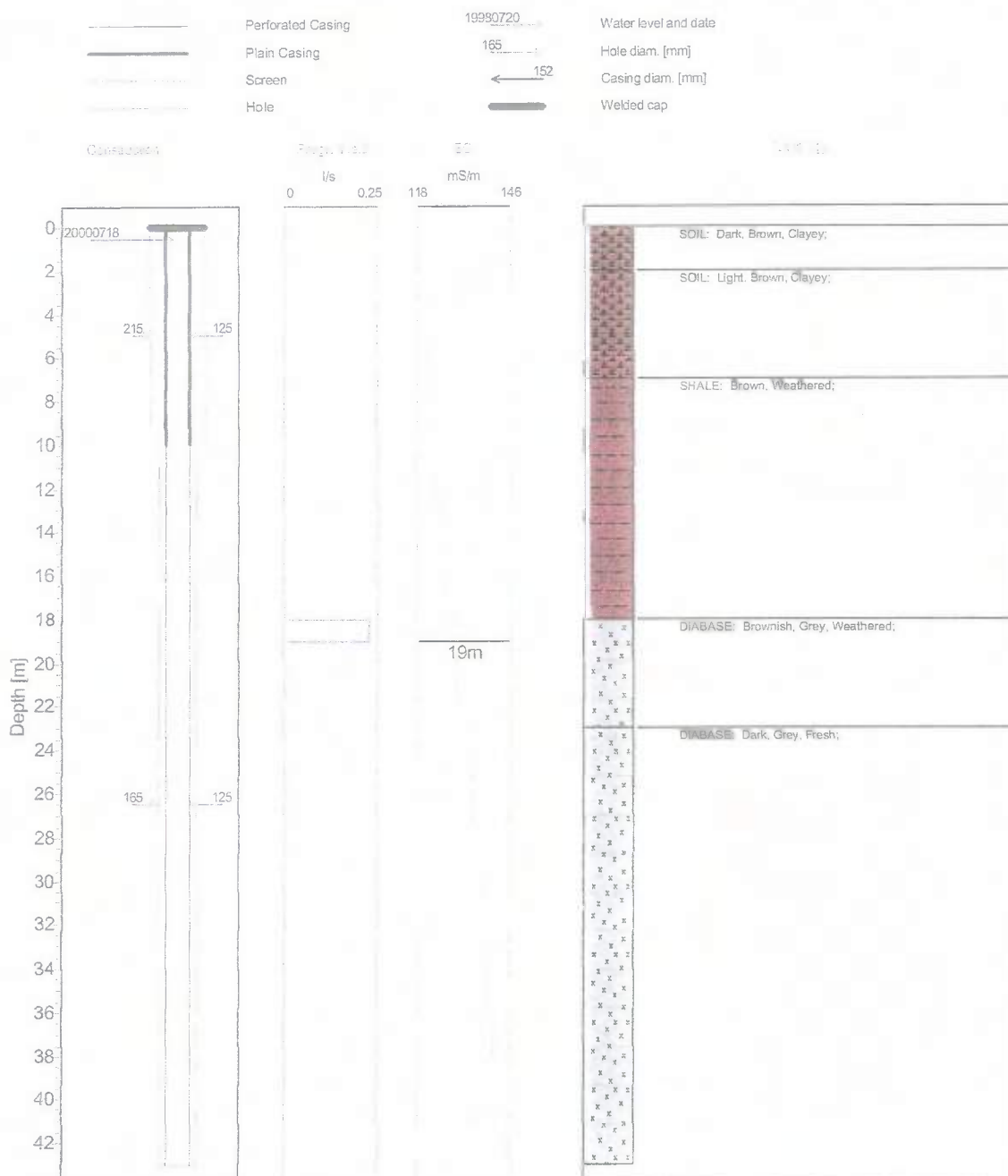
Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01137 Number: IVB-D137 Site type: Borehole

Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D13

Y Coord. [m]: -83709.003	Alt. No. 1:	Topo-set.: In or along pan	Depth [m]: 43.00
X Coord. [m]: 2950684.75	Alt. No. 2: HS-8D	Site status: In use	Collar h. [m]: 0.43
Altitude [m]: 1476.18		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Borehole Construction and Geological Log Legend



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site identifier: 2627DB01138 Number: IVB-D138 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D13

Region Type:

Region Descr.: SOUTH-EASTERN BOUNDARY

Y Coord. [m]: -84344.063	Reg.IBB.: FARM	Topo-set.: Hillside (slope)	Depth [m]: 31.00
X Coord. [m]: 2949772.03	G-Nr.:	Site status: In use	Col. ht. [m]: 0.64
Altitude [m]: 1490.54		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	12.00	215	19980720	CASED TO 140
JMA	12.00	31.00	165	19980720	CASED TO 140

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19980720	0.00	12.00	125	PVC	3		0	0	0	0
	19980720	12.00	31.00	125	PVC	6	Perforated or slotted	25	2	25	10

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	25.00	26.00	0.05	Estimated	Weathered basin	Report or file	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	3.00	SOIL	Brown	Dark		Clayey	
	3.00	12.00	DIABASE	Brown			Weathered	
	12.00	18.00	DIABASE	Brown	Greyish		Weathered	
	18.00	25.00	DIABASE	Grey	Brownish			
	25.00	31.00	DIABASE	Grey			Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000718	1331	0.00	2.89	
	Electrical contact	Static	0	Field checked	20000905	1538	0.00	3.49	
	Electrical contact	Static	0	Geologist,	20001120	0903	0.00	3.03	
	Electrical contact	Static	0	Field checked	20010117	0750		2.69	
	Electrical contact	Static	0	Field checked	20010827	1420	0.00	3.19	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010302	300	0	0	0	0 0 0	0	0.448	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

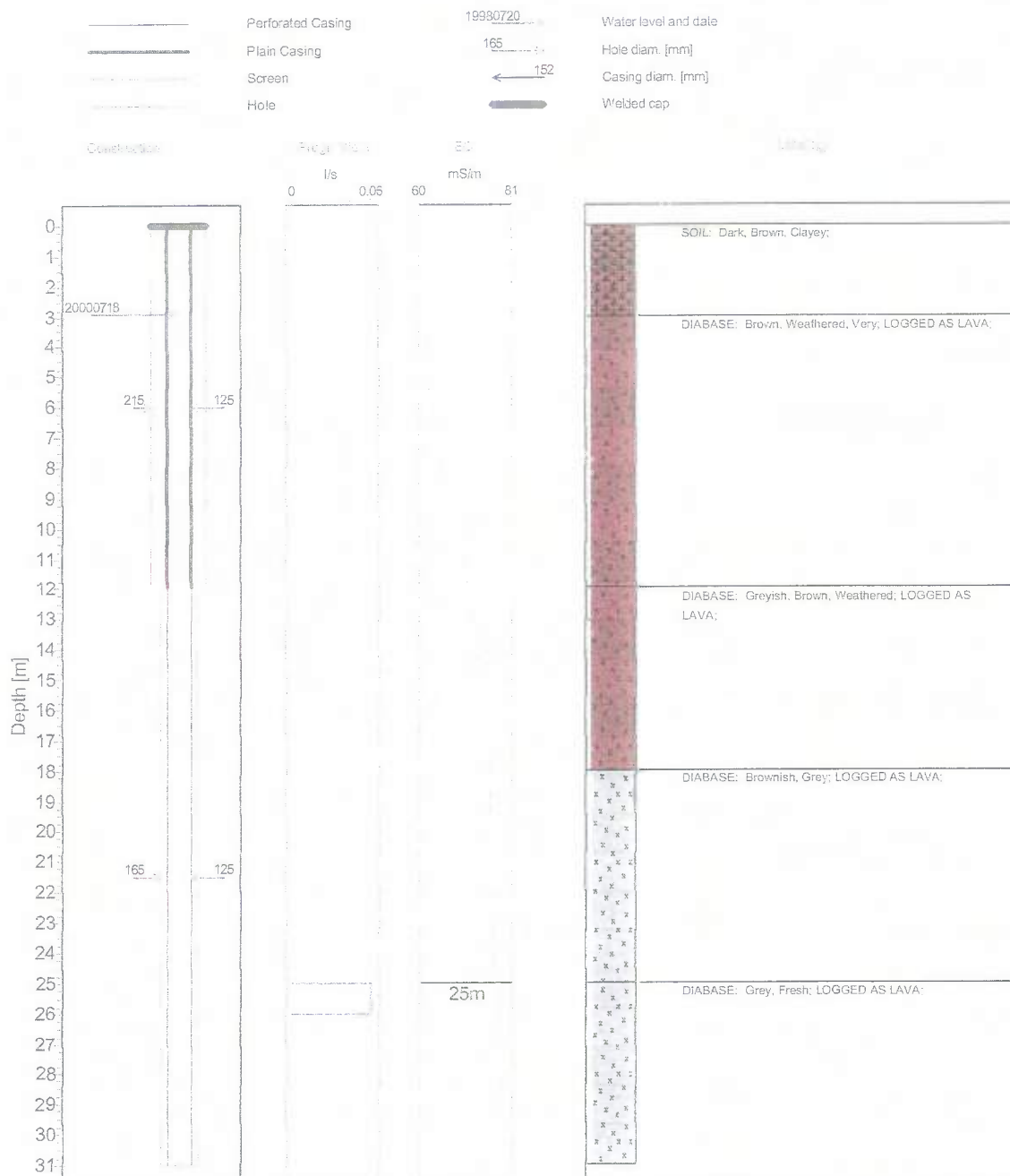
Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01138 Number: IVB-D138 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D13

Y Coord. [m]: -84344.063	Alt. No. 1:	Topo-sat.: Hillside (slope)	Depth [m]: 31.00
X Coord. [m]: 2949772.03	Alt. No. 2: HS-9D	Site status: In use	Collar h. [m]: 0.64
Altitude [m]: 1490.54		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrologics Legend



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01139 Number: IVB-D139 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PERIMETERE BOREHOLE IVB-D1

Region Type:

Region Descr.: SOUTH-EASTERN BOUNDARY

Y Coord. [m]:	-84250.025	Reg.IBB.: FARM	Topo-set.: In or along pan	Depth [m]:	40.00
X Coord. [m]:	2949978.54	G-Nr.:	Site status: In use	Col. ht. [m]:	0.34
Altitude [m]:	1488.49		Site purp.: Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]:	110
Coord. meth.:	Global Positioning System		Equipment: No equipment	Rep. inst.:	JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	13.00	215	19980720	CASED TO 140
JMA	13.00	40.00	165	19980720	CASED TO 140

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19980720	0.00	15.00	125	PVC	3		0	0	0	0
	19980720	15.00	40.00	125	PVC	6	Perforated or slotted	25	2	25	10

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	7.00	8.00	0.05	Estimated	Weathered basin	Report or file	
JMA	26.00	27.00	1.25	Estimated	Weathered basin	Report or file	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	NO SAMPLE	Red	Brownish			
	1.00	6.00	CLAY	Brown	Dark			
	6.00	11.00	CLAY	Brown	Light			
	11.00	27.00	DIABASE	Grey	Brownish		Weathered	
	27.00	37.00	DIABASE	Grey	Dark			
	37.00	40.00	DIABASE				Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000718	1332	0.00	5.43	
	Electrical contact	Static	0	Field checked	20000905	1538	0.00	5.76	
	Electrical contact	Static	0	Geologist,	20001115	1205	0.00	5.31	
	Electrical contact	Static	0	Field checked	20010117	0957		4.90	
	Electrical contact	Static	0	Field checked	20010508	1429	0.00	5.24	
	Electrical contact	Static	0	Field checked	20010829	1030	0.00	5.82	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010322	150	0	0	0	0	0	0	0.607	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

BASIC SITE INFORMATION: Site Identifier: 2627DB01139 Number: IVB-D139 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D1

Y Coord. [m]: -84250.025

Alt. No. 1:

X Coord. [m]: 2949978.54

Alt. No. 2: HS-10D

Altitude [m]: 1488.49

Coord. acc.: Accurate to within 1 unit

Coord. meth.: Global Positioning System

Topo-set.: In or along pan

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 40.00

Collar h. [m]: 0.34

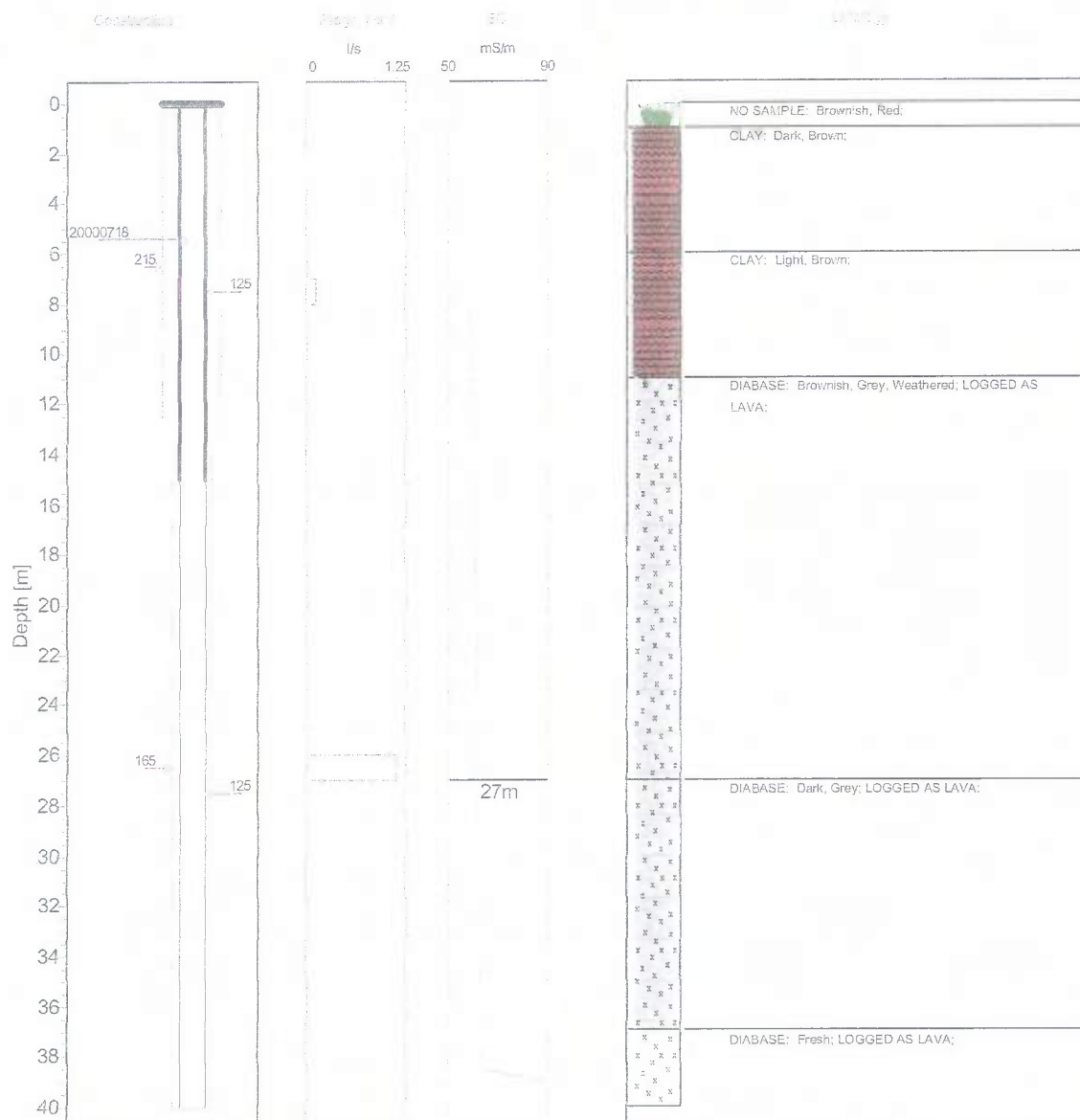
Drain. reg.: C220

Diam. [mm]: 110

Rep. inst.: JMA

Borehole Construction and Geological Log Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:



Jasper Müller Associates cc.

P O Box 883

Delmas

2210

Tel: (013)665 1788

E-mail: webmaster@jma-cc.co.za

Page 1

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01140 Number: IVB-D140 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D140

Region Type:

Region Desc.: SOUTH-EASTERN BOUNDARY

Y Coord. [m]: -84203.424	Reg.IBB.: FARM	Topo-set.: In or along pan	Depth [m]: 48.00
X Coord. [m]: 2951061.942	G-Nr.:	Site status: In use	Col. ht. [m]: 0.32
Altitude [m]: 1469.59		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 1 unit		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	4.00	215	19980720	CASED TO 140
JMA	4.00	48.00	165	19980720	CASED TO 140

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19980720	0.00	9.00	125	PVC	3		0	0	0	0
	19980720	9.00	48.00	125	PVC	6	Perforated or slotted	25	2	25	10

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	16.00	17.00	0.10	Estimated		Report or file	

GEOLGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	6.00	SOIL	Brown	Dark		Clayey	
	6.00	12.00	SAND	White		Very fine		
	12.00	14.00	SILTSTONE	Brown	Light			
	14.00	21.00	SHALE	Brown			Weathered	
	21.00	48.00	SHALE	Grey	Dark			

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20000905	1539	0.00	1.08	
	Electrical contact	Static	0	Geologist,	20001115	1228	0.00	1.13	
	Electrical contact	Static	0	Field checked	20010117	0838	0.00	1.10	
	Electrical contact	Static	0	Field checked	20010903	1200	0.00	1.52	
	Electrical contact	Static	0	Field checked	20011012	1500	0.00	1.64	SLUGTEST

TESTING DETAILS:	Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: % [min]	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
	SLUGTEST	20011012	1500	0					0.078		

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01140 Number: IVB-D140 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D140

Y Coord. [m]: -84203.424

X Coord. [m]: 2951061.94

Altitude [m]: 1469.59

Coord. acc.: Accurate to within 1 unit

Coord. meth.: Global Positioning System

Alt. No. 1:

Alt. No. 2: HS-11D

Topo-set.: In or along pan

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 48.00

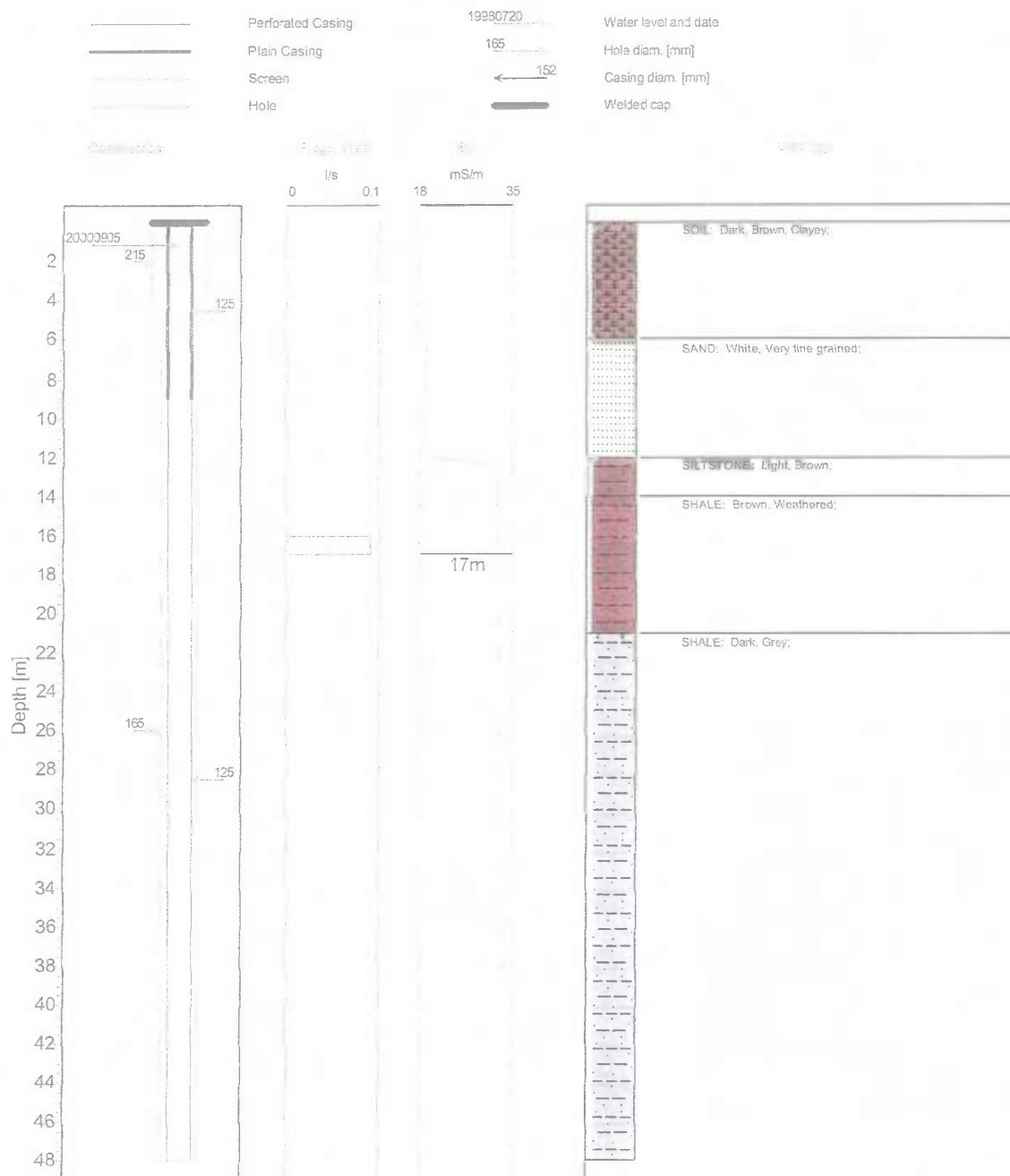
Collar h. [m]: 0.32

Drain. reg.: C220

Diam. [mm]: 110

Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01141 Number: IVB-D141 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D141

Region Type:

Region Desc.: SOUTH-EASTERN BOUNDARY

Y Coord. [m]: -84762.062

Reg.IBB.: FARM

Topo-set.: In or along pan

Depth [m]: 48.00

X Coord. [m]: 2951268.138

Site status: Unused

Col. ht. [m]: 0

Altitude [m]: 1466.87

G-Nr.:

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 215

Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	8.00	215	20010123	
JMA	8.00	48.00	165	20010123	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20000510	0.00	8.00	165	Steel	3					
20000510	0.00	10.00	140	PVC	3					
20000510	10.00	48.00	140	PVC	8	Perforated or slotted	25	2	25	10

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	3.00	SOIL	Brown	Dark		Clayey	
3.00	5.00	SANDSTONE	Grey	Light		Weathered	
5.00	7.00	SHALE	Brown			Weathered	
7.00	11.00	SHALE	Brown				
11.00	13.00	SHALE	Brown	Light			
13.00	14.00	SHALE	Orange	Brownish			
14.00	21.00	SILTSTONE	Grey	Light			
21.00	26.00	DIABASE	Grey	Brownish		Weathered	
26.00	45.00	DIABASE	Grey	Light			
45.00	48.00	DIABASE	Grey	Dark			

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000718	1332	0.00	1.14	
Electrical contact	Static	0	Field checked	20000905	1540	0.00	1.38	
Electrical contact	Static	0	Field checked	20010117	0910		1.12	
Electrical contact	Static	0	Field checked	20010903	1245	0.00	1.77	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	%	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010322	900	0	0	0	0	0	0	0.096	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01141 Number: IVB-D141 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D141

Y Coord. [m]: -84762.062

X Coord. [m]: 2951268.14

Altitude [m]: 1466.87

Coord. acc.: Accurate to within 1 unit

Coord. meth.: Global Positioning System

Alt. No. 1:

Alt. No. 2: HS-12D

Topo-set.: In or along pan

Site status: Unused

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 48.00

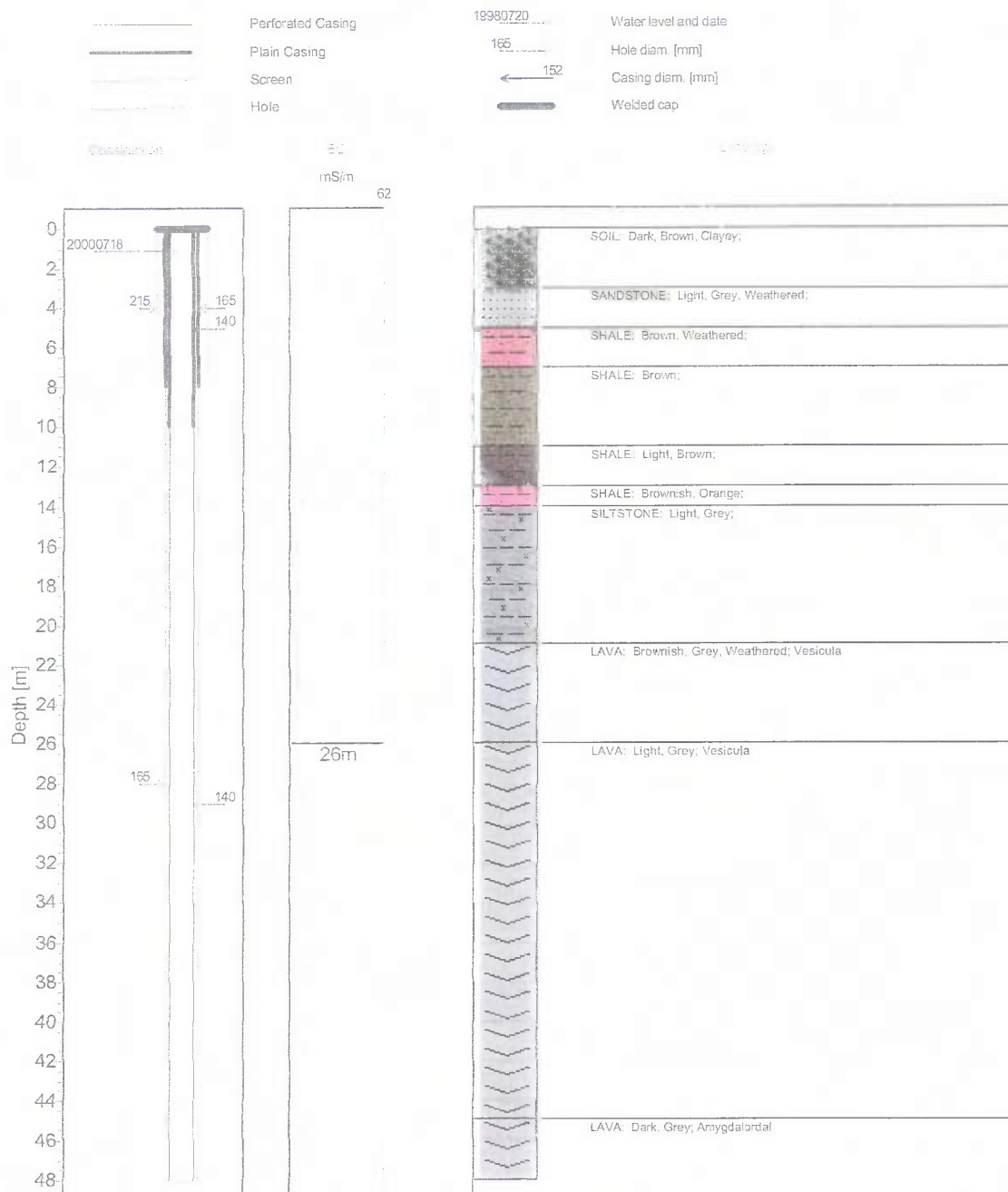
Collar h. [m]: 0

Drain. reg.: C220

Diam. [mm]: 215

Rep. inst.: JMA

Construction and Geology Log



COMMENT:

Jasper Müller Associates cc.

P O Box 883

Delmas

2210

Tel: (013)665 1788

E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01142 Number: IVB-D142 Site type: Borehole
 Distr./Farm No.: ISCOR Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D142
 Region Type: Region Descr.: DIRECT REDUCTION PLANT AREA & OHP

Y Coord. [m]: -80906.6	Reg./BS.: SM05	Topo-set.: Flat surface, plain	Depth [m]: 43.00
X Coord. [m]: 2949451.1	G-Nr.:	Site status: Destroyed	Col. ht. [m]: 0.18
Altitude [m]: 1493.84		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	4.00	215	19990325	
JMA	4.00	43.00	165	19990325	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19990325	0.00	3.00	125		3					
19990325	0.00	4.00	165	Steel	3					
19990325	3.00	43.00	125	PVC	5	Perforated or slotted	25	2	25	10

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	18.00	43.00	0.14	Estimated	Fractured	Report or file	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	3.00	CLAY	Brown	Dark			
3.00	8.00	CLAY	Brown	Orange			
8.00	13.00	DIABASE	Grey	Orange		Weathered	
13.00	18.00	DIABASE	Brown	Greyish		Weathered	
18.00	43.00	DIABASE	Grey	Dark		Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		19991115	1623	0.00	2.60	
Electrical contact	Static	0		20000210	1300	0.00	2.39	
Electrical contact	Static	0		20000727	1215	0.00	2.65	
Electrical contact	Static	0	Field checked	20000905	1519	0.00	2.68	
Electrical contact	Static	0	Geologist,	20001114	1217	0.00	2.55	
Electrical contact	Static	0	Field checked	20010116	1232		2.40	
Electrical contact	Static	0	Field checked	20010514	1444	0.00	2.47	
Electrical contact	Static	0	Field checked	20010829	1200	0.00	2.64	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	%	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010307	1800	0	0	0	0	0	0	0.009	0	

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Jasper Müller Associates cc.
 P O Box 883
 Delmas
 2210
 Tel: (013)665 1788
 E-mail: webmaster@jma-cc.co.za

Date compiled: 11/21/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01142 Number: IVB-D142

Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D142

Y Coord. [m]: -80906.600

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 43.00

X Coord. [m]: 2949451.10

Alt. No. 2: DR 1

Site status: Destroyed

Collar h. [m]:

Altitude [m]: 1493.84

Site purp.: Observation

Drain, req.: C220

Coord. acc.: Accurate to within 10 units

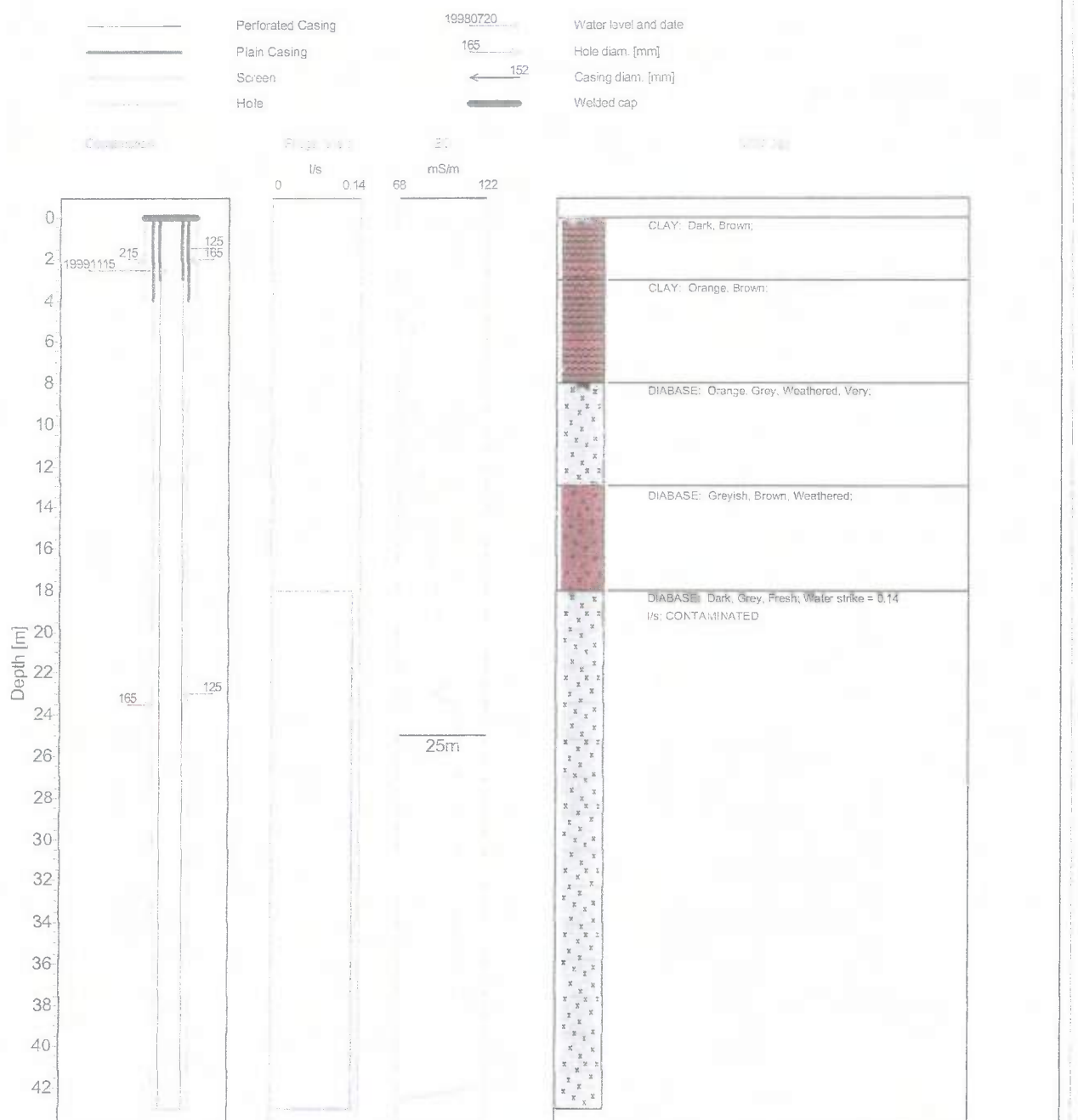
Use applic.: Industrial - industrial

Diam. [mm]:

Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. inst.: JMA



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01143 Number: IVB-D143 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D143

Region Type:

Region Descr.: MILL PLANT/ UNCOATED PRODUCTS/ LURGI

Y Coord. [m]: -82804.47

Reg./BB.: CP01

Topo-set.: Flat surface, plain

Depth [m]: 42.00

X Coord. [m]: 2950168.4

G-Nr.:

Site status: In use

Col. ht. [m]: 1.10

Altitude [m]: 1493.47

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 125

Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	6.00	215	19980513	
JMA	6.00	42.00	165	19980513	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19980513	0.00	6.00	125	Steel	3		0	0	0	0
19980513	6.00	42.00	125	PVC	6	Perforated or slotted	25	2	25	10

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	22.00	36.00	0.08	Estimated	Weathered basin	Report or file	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Brown	Dark		Clayey	
1.00	12.00	CLAY	Brown	Yellowish			
12.00	17.00	SHALE	Brown	Yellowish		Weathered	
17.00	22.00	SHALE	Brown	Light		Weathered	
22.00	36.00	SHALE	Brown	Greyish		Weathered	
36.00	42.00	QUARTZITE	Grey	Dark			

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000126	1608	0.00	3.39	
Electrical contact	Static	0		20000306	1415	0.00	3.09	
Electrical contact	Static	0		20000728	1253	0.00	3.87	
Electrical contact	Static	0		20000814	0806	0.00	2.98	
Electrical contact	Static	0	Geologist,	20001116	0919	0.00	3.81	
Electrical contact	Static	0	Field checked	20010116	1024		3.12	
Electrical contact	Static	0	Field checked	20011004	1425	0.00	5.08	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010307	600	0	0	0	0	0	0	0.113	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

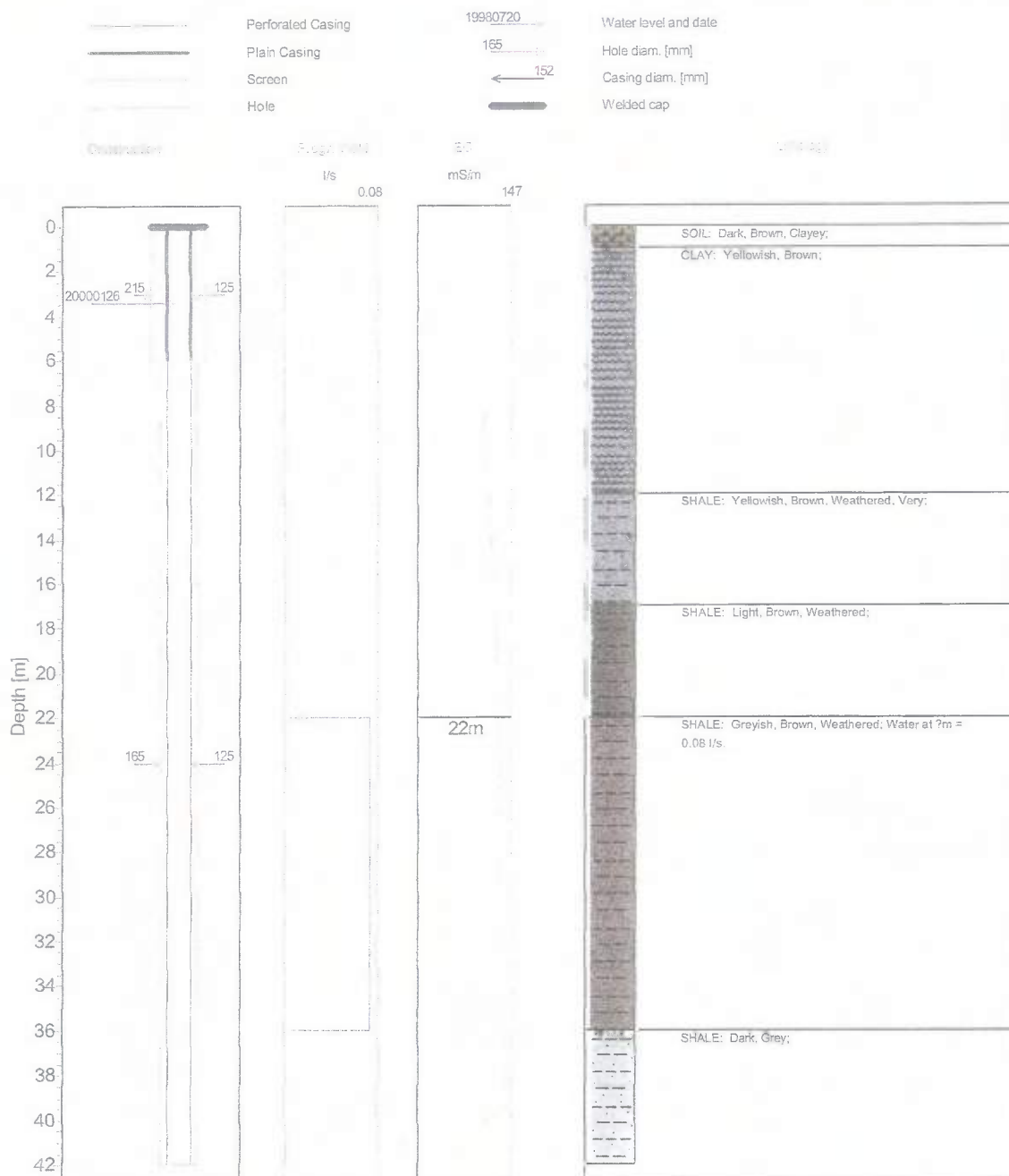
Borehole Construction and Geological Log

Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01143 Number: IVB-D143 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D143

Y Coord. [m]: -82824.980	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 42.00
X Coord. [m]: 2950112.57	Alt. No. 2: CMS1E	Site status: In use	Collar h. [m]: 1.10
Altitude [m]: 1494.61		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01144 Number: IVB-D144 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D144

Region Type:

Region Descr.: COKE PLANT

Y Coord. [m]: -81516.57	Reg./BB.: IM02	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2949610.3	G-Nr.:	Site status: In use	Col. ht. [m]: 0.03
Altitude [m]: 1495.04		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	6.00	215	19980511	
JMA	6.00	30.00	165	19980511	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19980511	0.00	3.00	125	Steel	3		0	0	0	0
19980511	3.00	30.00	125	PVC	6	Perforated or slotted	25	2	25	10

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.50	SOIL	Grey	Dark			
1.50	6.00	SHALE	Brown	Yellowish		Weathered	
6.00	11.00	SHALE	Brown	Greyish		Weathered	
11.00	18.00	SHALE	Grey	Dark		Fresh	
18.00	19.00	SANDSTONE	Grey	Dark	Fine	Fresh	
19.00	24.00	SHALE	Grey	Dark		Fresh	
24.00	25.00	SANDSTONE	Grey	Dark	Fine	Fresh	
25.00	30.00	SHALE	Grey	Dark	Fine	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000126	1619	0.00	1.44	
Electrical contact	Static	0		20000210	1308	0.00	1.49	
Electrical contact	Static	0		20000309	1352	0.00	1.49	
Electrical contact	Static	0		20000727	1217	0.00	1.70	
Electrical contact	Static	0		20000814	0813	0.00	1.54	
Electrical contact	Static	0	Geologist,	20001116	1317	0.00	1.58	
Electrical contact	Static	0	Field checked	20010118	1143		1.52	
Electrical contact	Static	0	Field checked	20010514	1449	0.00	1.56	
Electrical contact	Static	0	Field checked	20010830	1310	0.00	1.78	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [min]	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010307	1800	0	0	0	0	0	0.008	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

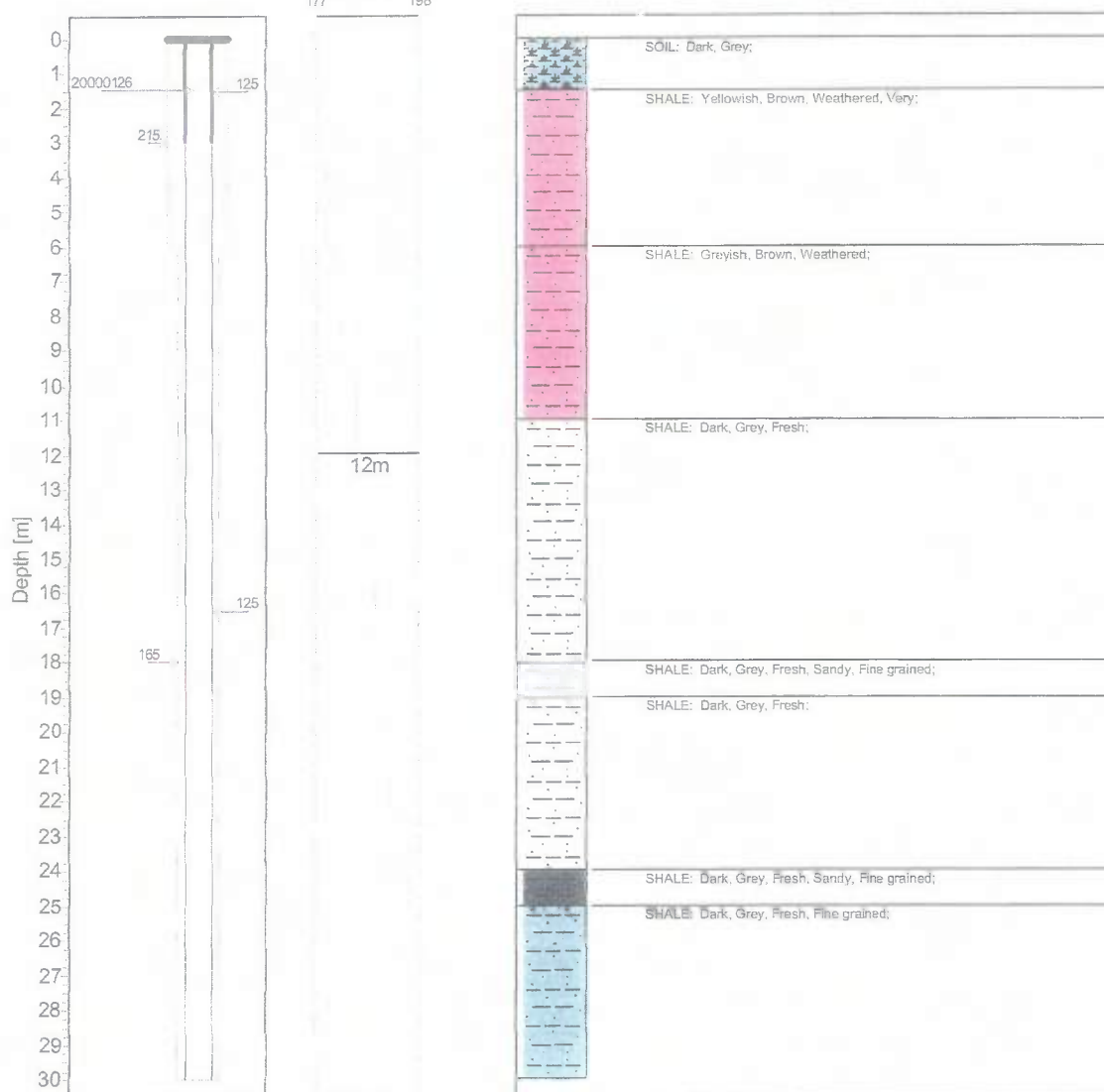
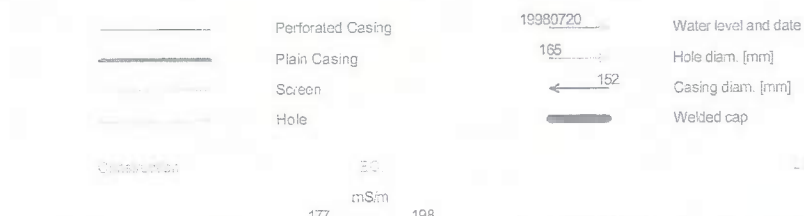
Borehole Construction and Geological Log

Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01144 Number: IVB-D144 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D144

Y Coord. [m]: -81516.570	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2949610.30	Alt. No. 2: CO 1	Site status: In use	Collar h. [m]: 0.03
Altitude [m]: 1495.04		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - Industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01145 Number: IVB-D145 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D145

Region Type:

Region Descr.: COKE PLANT

Y Coord. [m]: -81485.57

Reg./BB.: IM02

Topo-set.: Flat surface, plain

Depth [m]: 36.00

X Coord. [m]: 2949614.38

Site status: In use

Col. ht. [m]: 0.03

Altitude [m]: 1494.97

G-Nr.:

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 125

Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.

 Depth to
Top [m]

 Depth to
Bottom [m]

Diameter [mm]

Date const.

Comment

JMA

0.00

6.00

215

19980512

JMA

6.00

36.00

165

19980512

CASING DETAILS:

Date inst.

Dep. to top [m]

Bot. [m]

 Diam.
[mm]

Material

 Thickn.
[mm]

 Opening
Type

Length

Width

 Hori.
dist.

 Vert.
dist.

19980511

0.00

36.00

125

Steel

3

0

0

0

0

AQUIFER:

Rep. Inst.

 Depth to
Top [m]

Bot. [m]

 Yield
[l/s]

Method meas.

Aquifer type

Info source

Comment

5.00

8.00

0.03

Notch (V- or U-notch)

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

 Colour
Primary

Secondary

Texture

 Feature
Primary

Secondary

0.00

1.00

SOIL

Grey

Dark

Clayey

1.00

8.00

SHALE

Brown

Olive

Weathered

8.00

16.00

SHALE

Grey

Greenish

Fresh

16.00

23.00

SANDSTONE

Grey

Dark

Fine

Fresh

23.00

29.00

SHALE

Grey

Greenish

Fresh

29.00

36.00

SHALE

Grey

Dark

Fresh

Carbonaceous

WATER LEVEL:

Meth. meas.

Level status

Piez. Info source

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

20000126

1620

0.00

1.00

Electrical contact

Static

0

20000210

1308

0.00

1.15

Electrical contact

Static

0

20000309

1352

0.00

1.15

Electrical contact

Static

0

20000727

1217

0.00

1.33

Electrical contact

Static

0

Field checked

20000905

1518

0.00

1.50

Electrical contact

Static

0

Geologist,

20001116

1302

0.00

1.25

Electrical contact

Static

0

Field checked

20010116

1352

0.00

1.12

Electrical contact

Static

0

Field checked

20010514

1450

0.00

1.26

Electrical contact

Static

0

Field checked

20010830

1235

0.00

1.85

Electrical contact

Static

0

Field checked

20011105

0853

0.00

1.30

SLUGTEST/TAR

TESTING DETAILS:

Description

 Date
started

 Durat.
[s]

 Depth to
intk. [m]

 Disch.
rate[l/s]

 Drawd.
[m]

 Recovery:
[m] %

 Trans.
[m³/d]

 Perm.
[m/d]

Stor.

Comment

SLUGTEST

20011105

1500

0

0.003

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

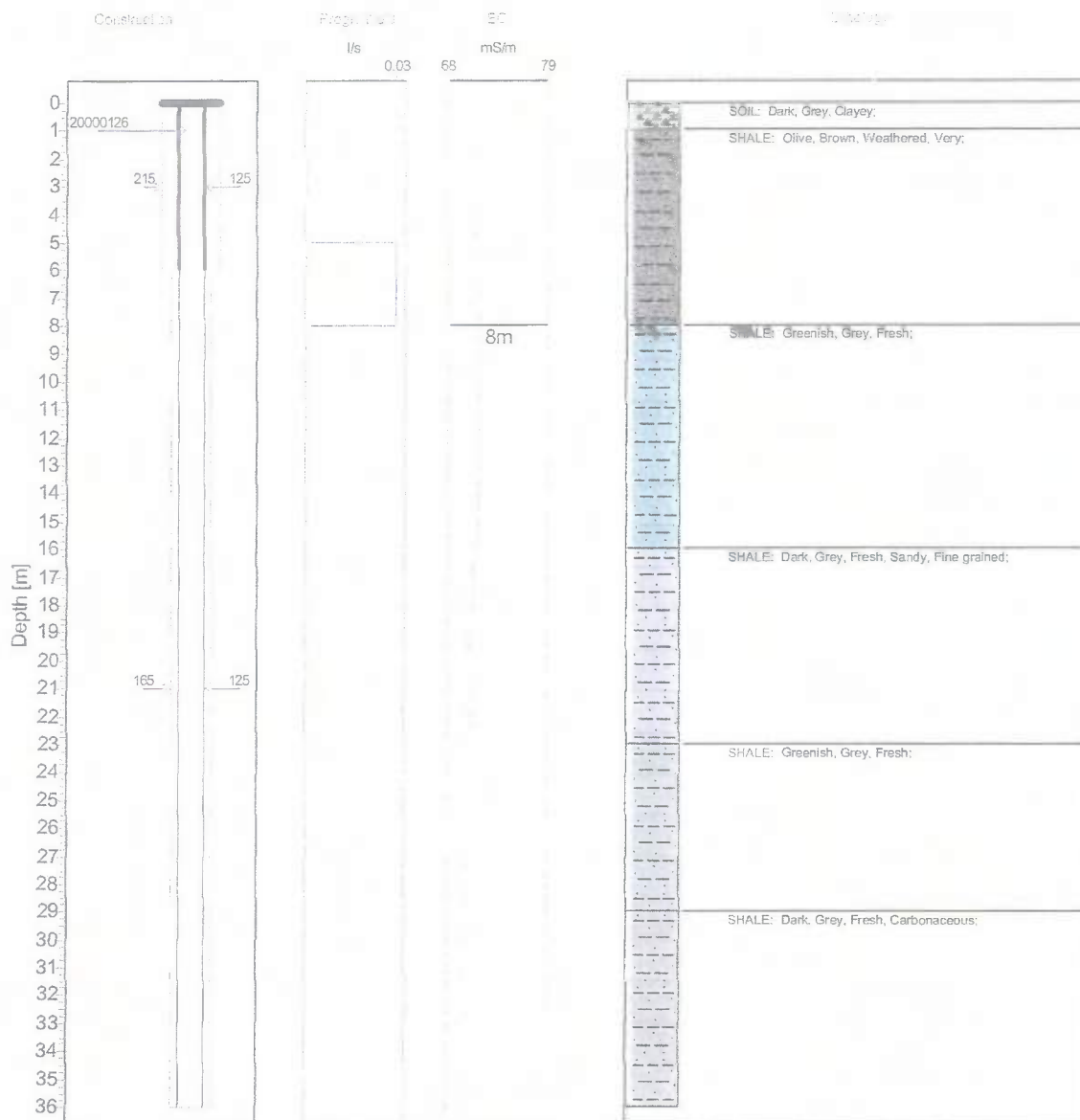
Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01145 Number: IVB-D145 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D145

Y Coord. [m]: -81485.570	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 36.00
X Coord. [m]: 2949614.38	Alt. No. 2: CO 2	Site status: In use	Collar h. [m]: 0.03
Altitude [m]: 1494.97		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:

Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01146 Number: IVB-D146 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D146

Region Type:

Region Descr.: COKE PLANT

Y Coord. [m]: -81247.45

Reg./BB.: IM02

Topo-set.: Flat surface, plain

Depth [m]: 30.50

X Coord. [m]: 2949626.41

G-Nr.:

Site status: In use

Col. ht. [m]: 0.03

Altitude [m]: 1494.97

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 110

Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	7.00	215	19980512	
JMA	7.00	30.50	165	19980512	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19980512	0.00	1.50	125		3		0	0	0	0
19980512	0.00	7.00	165	Steel	3					
19980512	1.50	7.00	125	PVC	6	Perforated or slotted	25	2	25	10
19980512	7.00	30.50	165	Steel	6	Perforated or slotted	250	2	43	250

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Grey	Dark			
1.00	3.00	SHALE	Brown	Orange		Weathered	
3.00	15.00	SHALE	Brown	Olive			
15.00	26.00	SHALE	Grey	Greenish			
26.00	30.00	SANDSTONE	Grey	Dark	Fine		

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000126	1620	0.00	1.95	
Electrical contact	Static	0		20000210	1309	0.00	2.42	
Electrical contact	Static	0		20000309	1352	0.00	2.42	
Electrical contact	Static	0		20000727	1217	0.00	3.78	
Electrical contact	Static	0	Field checked	20000905	1518	0.00	3.92	
Electrical contact	Static	0	Geologist,	20001116	1234	0.00	3.63	
Electrical contact	Static	0	Field checked	20010118	1128		3.40	
Electrical contact	Static	0	Field checked	20010302	0955	0.00	3.42	
Electrical contact	Static	0	Field checked	20010514	1450	0.00	3.53	
Electrical contact	Static	0	Field checked	20010827	1045	0.00	3.80	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010307	300	0	0	0	0 0 0	0	0.253	0	

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Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

Borehole Construction and Geological Log

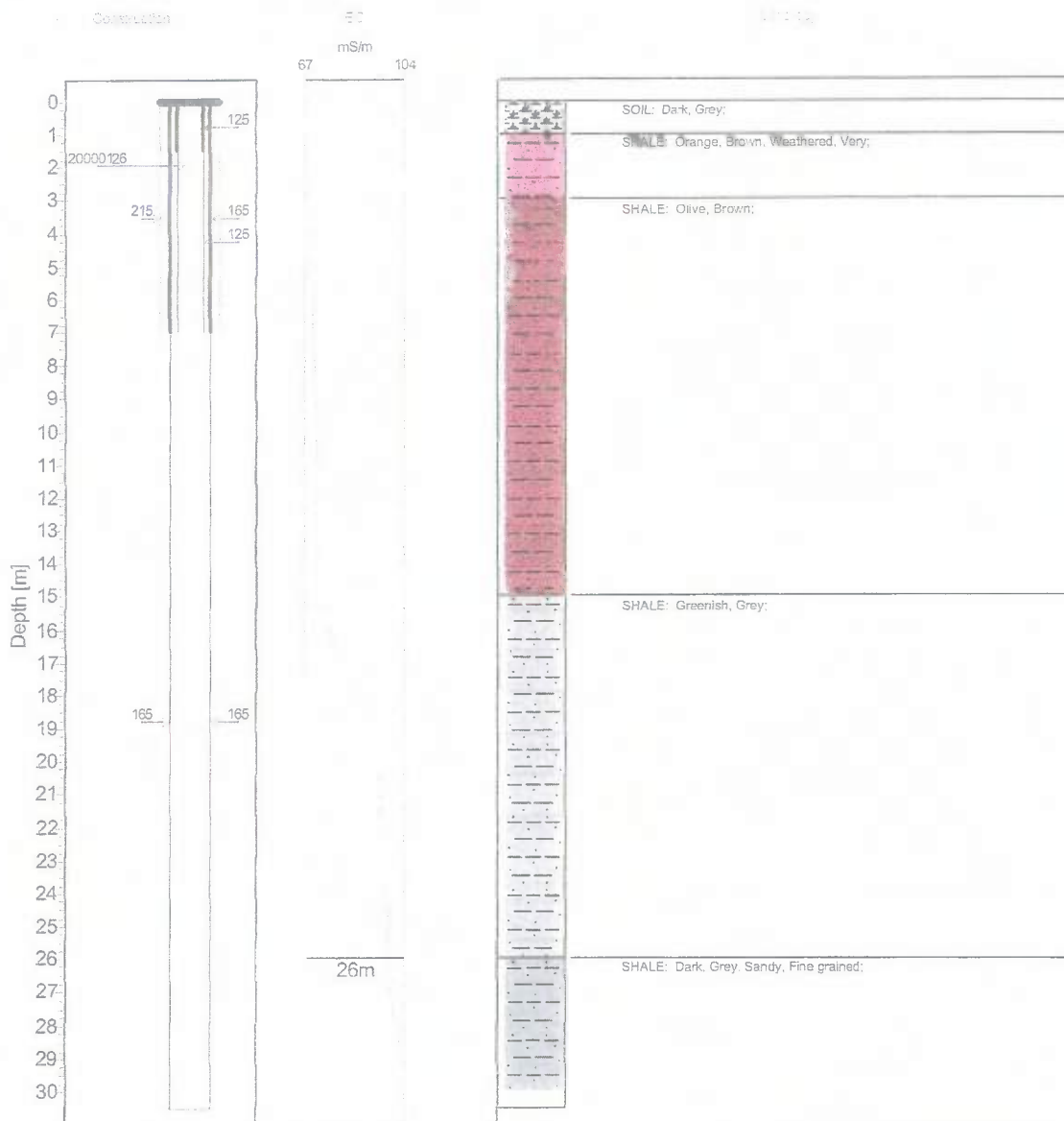
Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01146 Number: IVB-D146 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D146

Y Coord. [m]: -81247.450	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 30.50
X Coord. [m]: 2949626.41	Alt. No. 2: CO 3	Site status: In use	Collar h. [m]: 0.03
Altitude [m]: 1494.97		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 110
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

Construction and Borehole Log Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:



Jasper Müller Associates cc.
P O Box 883
Delmas
2210
Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01147 Number: IVB-D147 Site type: Borehole
 Distr./Farm No.: Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D147
 Region Type: Region Descr.: FARMLAND / WESTERN BOUNDARY / DAM10

Y Coord. [m]: -85579.3	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2946790.3	G-Nr.:	Site status: In use	Col. ht. [m]: 0.38
Altitude [m]: 1503.62		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	30.00	215	20010904	

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010918	0.00	24.00	165	Steel	3	Plain casing				
	20010918	24.00	30.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	30.00	31.00	0.20	Notch (V- or U-notch)			

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SOIL	Brown	Dark			
	1.00	3.00	CLAY	Brown				
	3.00	9.00	SHALE	Brown	Yellowish		Weathered	
	9.00	16.00	SHALE	Brown	Light		Weathered	
	16.00	23.00	SHALE	Brown	Greyish		Weathered	
	23.00	30.00	SHALE	Brown	Greyish		Broken	
	30.00	33.00	DIABASE	Grey			Broken	
	33.00	49.00	DIABASE	Black	Greyish		Solid	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Geologist,	20010919	1232	0.00	4.24	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010912	1200	0	0	0	0	0	0	0.203	0	

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 Delmas
 2210
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 E-mail: webmaster@jma-cc.co.za

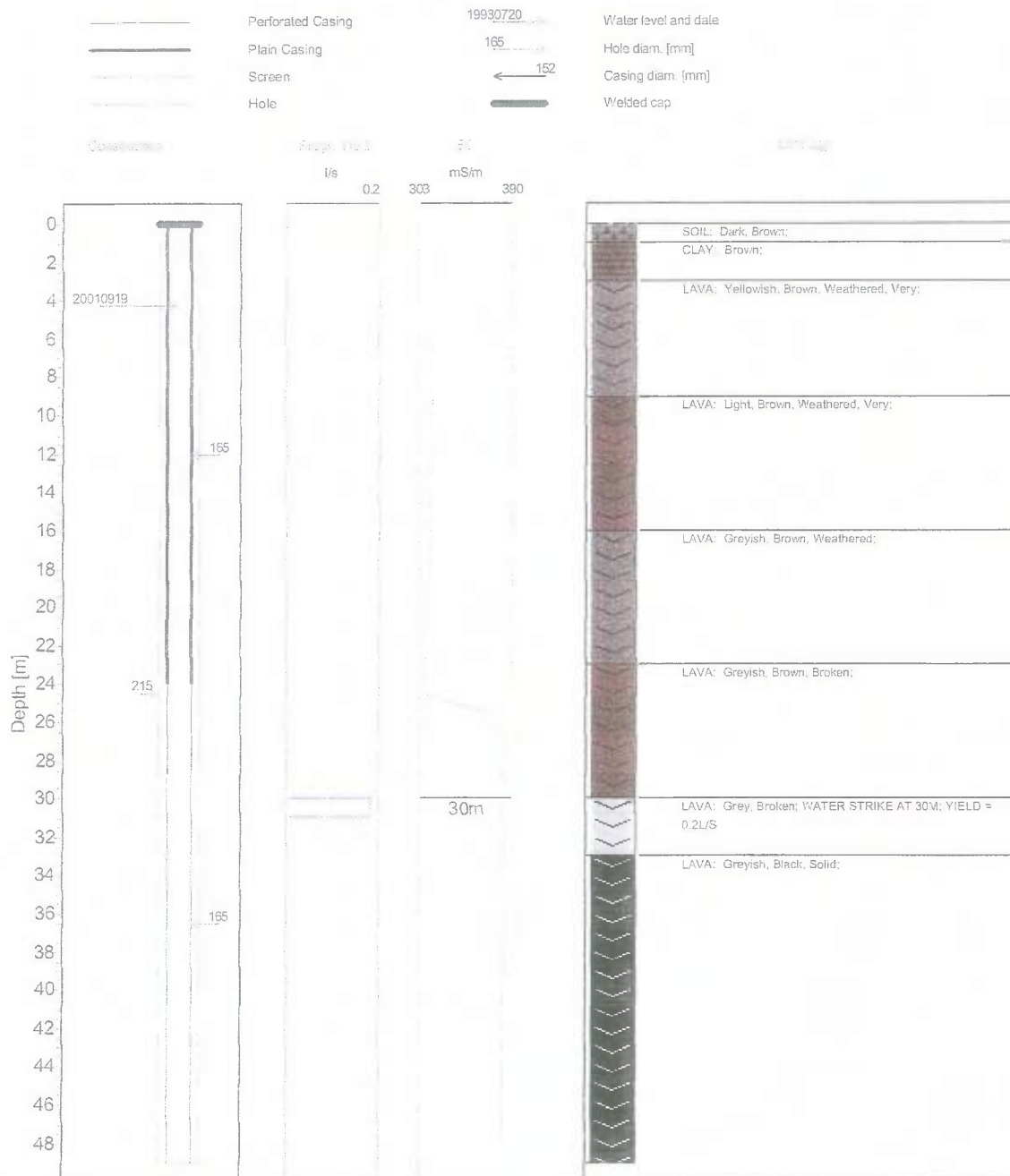
Borehole Construction and Geological Log

Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01147 Number: IVB-D147 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D147

Y Coord. [m]: -85579.300	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 49.00
X Coord. [m]: 2946790.30	Alt. No. 2: ORG13D	Site status: In use	Collar h. [m]: 0.38
Altitude [m]: 1503.62		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geology Log Legend



COMMENT:



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Delmas
2210
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