

From: Geovicon [geovicon@iafrica.com]
Sent: 21 February 2013 04:54 PM
To: 'commercial@phgroup.co.za'
Subject: Anglo Operations Limited: Access Brown Shaft II: Interested and Affected Party Consultation-
NEMA Scoping Phase (Draft Scoping Report)
Attachments: Mr A Hennop Draft SCOPING Report NOTICE.pdf

Andre Hennop

Attention: Mr. Andries Du Plessis

Anglo Operations Limited has applied for environmental authorization in terms of the National Environmental Management Act 107 of 1998. As an Interested and Affected Party please find attached a Notice informing you about the project as well as an opportunity to comment on the **Draft Scoping Report** as an Interested and Affected Party.

The **Draft Scoping Report** will follow.

Kindly fax the attached letter as confirmation of receipt of the Draft Scoping Report.

Kind Regards,
Zahira Khan

Geovicon Environmental (Pty) Ltd

Tel. 013 243 0542

Fax: 086 632 4936

Geovicon

From: Geovicon [geovicon@iafrica.com]
Sent: 22 February 2013 09:41 AM
To: 'commercial@phgroup.co.za'
Subject: Anglo Operation Limited: Access Brown Shaft II- Interested and Affected Party Consultation: NEMA Scoping Phase (Draft Scoping Report)
Attachments: Brown Shaft II Draft Scoping Report.zip

Andre Hennop

Attention: Mr. Andries Du Plessis

Attached herewith The Draft Scoping report for perusal. Fax or email any comments or concerns about the proposed Access Brown Shaft II Project on the "Comment Reply Sheet" attached to the Draft Scoping Report.

ards,
zanira Khan

Geovicon Environmental (Pty) Ltd

Tel. 013 243 0542

Fax: 086 632 4936

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

To: Komatie Ontwikkelings MPY (Pty) Ltd From: Riana Bate

Fax: Pages: 1

Phone: 082 551 7794 Date: 2013/02/21

Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)

Attention: Ebrahim Suliman

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544, R545 and R546, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. Pipelines will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga**. The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206**.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543.

The **Draft Scoping Report** is hereby submitted to you for perusal.

Comments regarding the proposed mining operation must be submitted in writing, under reference number **17/2/3N-206**, on or before 22 March 2013 to:

Consultant: GEOVICON Environmental (Pty) Ltd
P. O. Box 4050
Middelburg
1050
Tel.: 013 243 0542
Fax.: 086 632 4936
Cell.: 082 359 5604
E-mail: geovicon@iafrica.com
Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by:.....*M. E. Suliman*..... Signature:.....*[Signature]*.....

Contact number:.....*079 5013 032*..... E-mail address:.....*Riana Bate @ Gmail . Com*.....

Postal address:.....*Box 2189, Middelburg, U.S.A.*.....

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

To: Steve Tshwete Local Municipality (Ward 6) **From:** Riana Bate

Fax: 013 249 7072 **Pages:** 1

Phone: 013 249 7000 **Date:** 2013/02/21

Re: **Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)**

Attention: Councillor Lali Elijah Mkhuma (Ward 6)

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544, R545 and R546, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. Pipelines will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga.** The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206.**

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543.

The **Draft Scoping Report** is hereby submitted to you for perusal.

Comments regarding the proposed mining operation must be submitted in writing, under reference number **17/2/3N-206**, on or before 22 March 2013 to:

Consultant: GEOVICON Environmental (Pty) Ltd
P. O. Box 4050
Middelburg
1050

Tel.: 013 243 0542
Fax.: 086 632 4936
Cell.: 082 359 5604
E-mail: geovicon@iafrica.com
Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by: T. Loko Signature: [Signature]

Contact number: 0820787377 E-mail address:

Postal address:

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

To: Steve Tshwete Local Municipality **From:** Riana Bate
Fax: 013 243 2550 **Pages:** 1
Phone: 013 249 7000 **Date:** 2013/02/21

Re: **Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)**

Attention: Mr. M. Mahamba

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544, R545 and R546, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. Pipelines will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga.** The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206.**

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543.

The **Draft Scoping Report** is hereby submitted to you for perusal.

Comments regarding the proposed mining operation must be submitted in writing, under reference number **17/2/3N-206**, on or before 22 March 2013 to:

Consultant: Tel.: 013 243 0542
GEOVICON Environmental (Pty) Ltd Fax.: 086 632 4936
P. O. Box 4050 Cell.: 082 359 5604
Middelburg E-mail: geovicon@iafrica.com
1050 Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by: Johanna Signature: [Signature]

Contact number: (013) 249 7068 E-mail address: Mmahamba@staretschwabehn.gov.za

Postal address:

South Africa

PO BOX 4050
MIDDELBURG
1052

TEL: +27 (0)13 243 0542
FAX: +27 (0) 086 632 4936
CEL: 082 442 2192
EMAIL: geovicon@iafrica.com

**GEOVICON ENVIRONMENTAL
(Pty) Ltd**

2006/030830/07 VAT no. 4930233137

To: Middelburg Library **From:** Zahira Khan
Fax: **Pages:** 1
Phone: **Date:** 2013/02/21
Re: Draft Scoping Report : Access Brown Shaft II Project: Anglo Operations Limited

Gerard Sekoto Library

Attention: Chief Librarian

Dear Sir/Madam

Application for environmental authorization for Anglo Operation Limited (Pty) Ltd in terms of the National Environmental Management Act, 1998 (Act No.107 of 1998), as amended, and the Environmental Impact Assessment Regulations 2010 Government Notice R544 (Listing Notice 1), Government Notice R545 (Listing Notice 2) and Government Notice R546 (Listing Notice 3) situated on certain portions of the farms Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg, Mpumalanga

Reference number: 17/2/3/N-206

Submission of the **Draft Scoping Report** for public perusal.

Please find **1 copy** of abovementioned documentation.

Yours,

Zahira Khan

<p>GERARD SEKOTO Public library / Openbare biblioteek Box 14 / Bus 14 Middelburg, 1050</p> <p>Date _____</p>

Receipt of above-mentioned document are hereby acknowledged.

Received by E. Lubbe Date 21/2/13

Signed E. Lubbe

South Africa

PO BOX 4050
MIDDELBURG
1052

TEL: +27 (0)13 243 0542
FAX: +27 (0) 086 632 4936
CEL: 082 442 2192
EMAIL: geovicon@iafrica.com

**GEOVICON ENVIRONMENTAL
(Pty) Ltd**

2006/030830/07 VAT no. 4930233137

To: Goedehoop Colliery **From:** Zahira Khan
Fax: **Pages:** 1
Phone: 013 687 5458 **Date:** 2013/02/21
Re: Draft Scoping Report : Access Brown Shaft II Project: Anglo Operations Limited

Goedehoop Colliery- Environmental Office

Attention: Kgaowelo Moshokwa

Dear Madam

Application for environmental authorization for Anglo Operation Limited (Pty) Ltd in terms of the National Environmental Management Act, 1998 (Act No.107 of 1998), as amended, and the Environmental Impact Assessment Regulations 2010 Government Notice R544 (Listing Notice 1), Government Notice R545 (Listing Notice 2) and Government Notice R546 (Listing Notice 3) situated on certain portions of the farms Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg, Mpumalanga

Reference number: 17/2/3/N-206

Submission of the **Draft Scoping Report** for public perusal.

Please find **1 copy** of abovementioned documentation.

Yours,

Zahira Khan

Receipt of above-mentioned document are hereby acknowledged.

Received by  K. MOSHOKWA Date 21/02/2013

Signed 

• Geklassifiseerd • Classified • Geklassifiseerd • Classified • Geklassifiseerd • Classified • Geklassifiseerd • Classified • Geklassifiseerd

BOEDELKENNIGSGEWING IN DIE BOEDEL VAN WYLE SARAH MARGARET MAKUWA
 Identifikasienommer: 640111 0663 08 9
 gelok word gemeenskap van goedere om hulle eise in te dien en skulde te betaal binne 'n tydperk van 30 (Dertig) dae soos gereken vanaf datum van publikasie hiervan.
 (Gat) HELGARD DU PREEZ HELGARD DU PREEZ PROKUREUR (PROKUREUR VIR EKSEKUTIEUR) POSBUS 24 MIDDELBURG 1050
 Verv: Mnr. du Preez JP/11/12

Advertiser E-mail: gerhard@gvz.co.za
 Advertiser Telephone: 013 282 5366
 Date Submitted: 2012-12-12
 For Publication In the Government Gazette on: 2013-01-18

SCHEDULE 8 REGULATION 11(2) NOTICE OF APPLICATION FOR AMENDMENT OF TOWN PLANNING SCHEME IN TERMS OF SECTION 56(1)(b)(i) OF THE TOWN PLANNING AND TOWNSHIPS ORDINANCE 1986 (ORDINANCE 15 OF 1986) AMENDMENT SCHEME 471
I, JOHANNES JACOBUS MEIRING, being the authorized agent of the owner of PORTION 1 OF ER 307 TOWNSHIP OF MIDDELBURG

"BUSINESS 4" for professional offices.
 Particulars of the application will lie for inspection during normal office hours at the office of the Town Secretary, ROOM C314, MUNICIPAL BUILDING, MIDDELBURG for a period of 28 days from 18 JANUARY 2013
 Objections to or representations in respect of the application must be lodged with or made in writing to the Secretary at the above address or at P O BOX 14, MIDDELBURG, 1050 within a period of 28 days from 18 JANUARY 2013.
 Address of agent: JOHAN MEIRING PROFESSIONAL LAND SURVEYOR P O BOX 442 MIDDELBURG 1050

Cowen Huilstraat 59, Uthreding 8, Middeburg en bestaande gebou daarop vir die volgende Kleurtaak/Dagsorg Ingevolge die dopaanlegskema is die Ingevelde vir Residensieel 3 Planne en of besonderhede aangaande hierdie aansoek lê ter insae gedurende goeie kamourne te Ligkuis Gemeente, Gholfsig Kerktantoor.
 Enige persoon wat beswaar het teen die goedkeuring van hierdie aansoek moet die beswaar tesame met die redes daarvoor, skriftelik indien by beide die Stadsklerk; Posbus 14, Middeburg, 1050 en die ondergetekende nie later as 1 FEBRUARIE 2013 nie.
 (Gen) L. French Bus 5632 MIDDELBURG 1050

Act, 1986 (Act No. 107 of the Department, Environment and Tourism (MDEDET) to undertake activities identified in Listing Notice 1, GN No. R. 544, published on 18 June 2010 for:
 • The rehabilitation of Provincial Road P127/2 (25.5km) between National Road N4 (Middeburg West) and Provincial Road D914 (Van Wyksvlei), Nkangala District Municipality, Mpumalanga Province.
 An application for water use licence in terms of the National Water Act, 1998 (Act No. 36 of 1998) will be submitted to the Department of Water Affairs (DWA) for:
 • Section 21(c) and (f) water uses associated with the rehabilitation of culvert C7 on Provincial Road P127/2.
 Description of activity: The rehabilitation of Provincial Road P127/2 will involve widening, repair to damaged sections of road and the replacement, repair or extension of existing culverts along the route. The shoulder break point along a proposed climbing lane will not increase by > 2.54m, and the surfaced area of the Provincial Road will be widened within the existing 3m gravel shoulder of the roadway. There are two bridges on the road, but they are wide enough to accommodate the proposed works. Only three other watercourses are located along the route at culverts C7, C23 and C46. Repair work to C23 and C46 will entail like-on-like. However, an Environmental Authorisation and Water Use Licence are required for the

rehabilitation of C7. The concrete culvert will be replaced by a larger culvert, but only the height will increase. A conservative estimate of the amount of material filled into or removed from the wastewater during repair work on the foundation of C7 is 20m³.
 Alternative methods of construction are being investigated to accommodate traffic whilst repairing C7 including the construction of a temporary bypass versus construction in ½ width such that one lane of traffic is accommodated on the existing road and the second lane of traffic is accommodated on the former's gravel road and an existing low level bridge. EIA Regulations LN 1 of 2010.
 • Activity No. 18 - The infilling or depositing of any material of more than 5m³ into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5m³ from:
 (i) a watercourse... but excluding where such infilling, depositing, dredging, excavation, removal or moving... is for maintenance purposes undertaken in accordance with a management plan agreed to by the relevant environmental authority...
 A Motivation for the application for exemption clause 8, in Listed Activity 18 of GNR 544 was submitted to the Department on 03 December 2012. If the motivation is approved, the

BA will be withdrawn and an EMP will be compiled for approval by the Department. Applicant: Mpumalanga Provincial Government, Department of Public Works, Roads & Transport. Consultant: nbs - Ecologes Environmental Consultants Contact Person: Shaun MacGregor (M.Sc. Pr. Sci. Nat.) Cell: 083 981 1031 Fax: 086 697 9316 e-mail: shaun@ecologes.co.za P O Box 9005 Nelspruit 1200 www.ecologes.co.za Date and time of public site meeting: 10h00 on 01 February 2013 Location of meeting: At culvert C7 on Provincial Road P127/2 (25.5km) between National Road N4 (Middeburg West) and Provincial Road D914 (Van Wyksvlei), Nkangala District Municipality, Mpumalanga Province (25° 51' 35.2" S & 29° 23' 89.9" E).
 For further information and/or to be identified and registered as an interested and/or affected party, please submit in writing your name, contact details including address, and interest in the matter to the contact person and in the manner(s) provided above during the commenting period - within 30 days of publication of this advertisement. Date of advertisement: 18 January 2013


STEVE TSHWETE LOCAL MUNICIPALITY STEVE TSHWETE TOWN PLANNING SCHEME, 2004
 Notice is hereby given that in terms of Clause 21 of the above mentioned Town Planning Scheme, I-the undersigned Lelani French (Lofkneuters) intend to apply to Steve Tshwete Local Municipality for consent to use Erf Number 2234 Street Address: 59 Cowen Ntuli Street Township: Middeburg and existing/proposed building thereon for the purpose of Pre-School/Daycare and the land is zoned Residential 3 In terms of the Town Planning Scheme. Plans and/or particulars relating to the application may be inspected during office hours at Ligkuis Congregation Office. Any person who has any objections to the granting of this application must lodge such objections together with the grounds thereof, in writing with the Town Clerk, P.O. Box 14, Middeburg, and the undersigned not later than 1 FEBRUARIE 2013. (Sigrnd) L. French Box 5632 MIDDELBURG 1050

LIQUIDATION AND DISTRIBUTION ACCOUNTS IN DECASED ESTATES LYING FOR INSPECTION
 In terms of section 35(5) of the Administration of Estates Act No. 66 of 1965, notice is hereby given that copies of the liquidation and distribution accounts (first and final, unless otherwise stated) in the estates specified below will lie open for inspection of all persons with an interest therein for a period of 21 days (or shorter or longer if specially stated) from the date specified or from the date of publication of this notice. The offices of the Masters of the High Court and Magistrate's as stated. Should no objection thereto be lodged with the Masters concerned during the specified period, the executors will proceed to make payments in accordance with the accounts.
 Estate Number: 4090/2007
 Province: MPUMALANGA
 Surname: DU PLESSIS
 First names: HERMANUS JACOBUS CHRISTOFFEL
 South African ID number: 4201115001083
 Last Address: PLOT 96, MIMOSA STREET WITBANK
 First Names of Surviving Spouse: HESTER MAGDALENA
 Surname of Surviving Spouse: DU PLESSIS NOW HATTING
 ID Number of Surviving Spouse: 4401260002080
 Account Amended First and Final
 Period of inspection: 21 Days
 Magistrate's Office: MIDDELBURG
 Mar Office: GE VAN ZYL
 Ad Name: VAN ZYL
 AT: EYS
 Advertiser Address: LAMELBOU BUILDING, SUITE 2, MIDDELBURG

herby give notice in terms of Section 56(1)(b)(i) of the Town Planning and Townships Ordinance that I have applied to the STEVE TSHWETE LOCAL MUNICIPALITY for the amendment of the town planning scheme known as STEVE TSHWETE TOWN PLANNING SCHEME 2004 by the rezoning of the property described above, situated on CHURCH STREET FROM "RESIDENTIAL 1" TO

STEVE TSHWETE MUNICIPALITEIT
DORPSBEPLANNINGSKEMA 2004
 Ingevolge Artikel 21 van bogenoemde skema geskied kennis hiermee dat ek Lelani French (Lofkneuters) die ondergetekende van voornemens is om by die Steve Tshwete Munisipaliteit aansoek te doen om toestemming vir gebruik van Erf 2234, Middeburg Street Adres:

PUBLIC PARTICIPATION NOTICE OF APPLICATION TO CONDUCT A BASIC ASSESSMENT (MDEDET Ref No.: 172 /3N-21) AND INTENTION TO UNDERTAKE A WATER USE LICENCE APPLICATION.
 Notice is given in terms of Regulations 21(2)(a) and 54 (2)(c) of GN No. R. 543, 18 June 2010 made under section 24 (5), 24M and 44 of the National Environmental Management

REQUEST FOR SERVICE PROVIDERS
 Bidvest Panalpina Logistics (BPL) is a service provider to Siemens Pty Ltd for the Kusile Power Station project, providing logistics support and transport services. As part of the Kusile Project initiative to support local businesses, we are looking for service providers for the movement of Gen Transformer accessories from Richards Bay port to Kusile Power Station.
 The scope of work will be:
 1. Loading, transporting, off-loading of Gen Transformer Accessories packed in wooden crate packages.
 2. The packages vary in size from a weight of 24kgs to 6000kgs with a volume between 1m3 to 47.5m3.
 3. There will be transport loads on a six month to a year interval for the next four to five years. A detailed programme would be supplied on contract award.
 4. Your vehicles are to be roadworthy and compliant with current South African Road Safety Laws and Regulations. Your drivers would have to have valid driver's licenses, Public Driving Permits (PDP) and the necessary Personnel Protective Equipment (PPE) for access to an Eskom Power Station / Sub Station. Your company will have the necessary Public Liability Insurance.
 Further details on the equipment to be transported will be provided with applicants at the time of application. After an initial contract period of up to 24 months, this contract would be taken over by Siemens (Pty) Ltd. During the initial contract period, you would be coached and mentored by BPL supported by Siemens Pty Ltd as part of BPL and Siemens Enterprise Development Programme to ensure that you meet the requirements of a BPL/Siemens approved transporter.
 Please email your interests and company portfolio to projectinfo@bpl.co.za by close of business on 21 January 2013.



KENNISGEWING: BELANGHEBBENDE EN GEAFFEKTEERDE PARTYE; BANK STEENKOOLEMYN - ACCESS BROWN SHAFT II; 'n AFDELING VAN ANGLO OPERATIONS LIMITED; NOWB OMVANGS FASE

 Anglo Operations Limited (Reg. No. 1921/006730/06) het aansoek gedoen vir die magtiging van genoteerde aktiwiteite in terme van artikel 24 en 24D van die Nasionale Omgewings Bestuurswet (Wet nr. 107 van 1998) gelees tesame met Staatskoerant Kennisgewing Nr. R544 en R545 wat die ontwikkeling van 'n horisontale skag en die konstruksie van geassoleerde infrastruktuur insluit, vir die doel van ondergrondse steenkool mynbou bedryfswaardige (Access Brown Shaft II). Die ontwikkeling sal voortvloei in die transformasie van 'n onbewoonde area van meer as 20 hektaar na kommersiële (mynbou) en industriële (mynbou) grondgebruik. 'n Vervoerband sal oopleg word vir die vervoer van steenkool tot by 'n bestaande aanleg (Bank Steenkoolpomp) vir prosesering; 'n Pyplyn sal geïnstalleer word om die water vanaf die voorgestelde horisontale skag na 'n uitgeroemde ondergrondse opdam area te lei. Hierdie aktiwiteite sal op sekere gedeeltes van die volgende plase plaasvind: Wolfenfontein 471 JS en Blesbokvlakte 24 IS van die plase, Nkangala distrik, Mpumalanga. Die aansoek is aanvaar deur die Mpumalanga Departement van Ekonomiese Ontwikkeling, Omgewing en Toerisme (MDEOOT) met verwysingsnommer: 17/2/3N-206.
 Geovicon Environmental (Pty) Ltd is aangestel as die omgewings konsultant wat die Omvangs verslag gaan saamstel, in terme van artikel 28 van die Omgewings Impak Beramings Regulasies gepubliseer in Staatskoerant Kennisgewing Nr. R543. As deel van die Publieke Deelnemings Proses soos verweegee in Hoofstuk 6 van die Omgewings Impak Beramings Regulasies, gepubliseer in Staatskoerant kennisgewing Nr. R543 word enige persoon wat belang stel, of wat geaffekteer mag word deur die "Access Brown Shaft II" projek, uitgenooi om te registreer as 'n belanghebbende en geaffekteerde party.
 Indien u wil registreer as 'n belanghebbende of geaffekteerde party, lig asseblief die kontakpersoon soos hieronder aangedui in, ten einde 'n Konsep Omvangs verslag wat 'n antwoordblad vir kommentaar bevat, te bekom. Gebruik asseblief die MDEOOT verwysingsnommer soos hierbo aangedui.
 Konsultant: Tel: 013 243 0542
 GEOVICON Environmental (Pty) Ltd Faks: 086 632 4936
 Posbus 4050 Sel: 082 359 5604
 Middeburg E-pos: geovicon@iafrica.com
 1050 Kontakpersoon: Riana Bate

STEVE TSHWETE LOCAL MUNICIPALITY
 Notice is hereby given in terms of Section 19 of the Local Government Municipal Systems Act, that Ordinary and Special Council meetings are scheduled as follows for 2013:

MEETING	DATE	VENUE	TIME
Ordinary Council	31 January 2013	Kosmos Community Hall - Kwazamokuhle	17:30
Special Council	28 February 2013	Council Chamber - Civic Centre	17:30
Ordinary Council	26 March 2013	Council Chamber - Civic Centre	17:30
Special Council	25 April 2013	Council Chamber - Civic Centre	17:30
Ordinary Council	30 May 2013	Banquet Hall	17:30
Special Council	27 June 2013	Council Chamber - Civic Centre	17:30
Ordinary Council	25 July 2013	Eastdene Community Hall	17:30
Special Council	22 August 2013	Council Chamber - Civic Centre	17:30
Ordinary Council	26 September 2013	Adelaide Tambo Community Centre - Ext 7 Mhuzi	17:30
Special Council	31 October 2013	Council Chamber - Civic Centre	17:30
Ordinary Council	28 November 2013	Nasaret Community Hall	17:30

 Kindly note that the above meetings are open for the public however only a number of seats are available and once the meeting has commenced no entrance to the meeting will be allowed.
W D FOUCHE MUNICIPAL MANAGER
 m/18jan/2013/13a/4m

NOTICE: INTERESTED AND AFFECTED PARTIES; BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF ANGLO OPERATIONS LIMITED; NEMA SCOPING PHASE

 Anglo Operations Limited (Reg. No. 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: Wolfenfontein 471 JS and Blesbokvlakte 24 IS, Middeburg district, Mpumalanga. The application was accepted by the Mpumalanga Department of Economic Development, Environment, and Tourism (MDEDET), with the following reference number: 17/2/3N-206.
 Geovicon Environmental (Pty) Ltd, has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.
 Should you wish to register as an interested and affected party, please inform the contact person as indicated below in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.
 Consultant: Tel: 013 243 0542
 GEOVICON Environmental (Pty) Ltd Fax: 086 632 4936
 P.O. Box 4050 Cell: 082 359 5604
 Middeburg E-mail: geovicon@iafrica.com
 1050 Contact person: Riana Bate

Geovicon

From: Sonja Van Wyk [vanwyk@nashuaisp.co.za]
Sent: 04 February 2013 10:49 AM
To: 'Geovicon'
Subject: RE: Anglo Operations Limited: Access Brown Shaft II: Interested and Affected Party Consultation-NEMA Scoping Phase
Attachments: _20130204_10465807.jpg

Vind vorm aangeheg.

Groete
Sonja van Wyk

From: Geovicon [mailto:geovicon@iafrica.com]
Sent: 23 January 2013 12:46 PM
To: vanwyk@nashuaisp.co.za
Subject: Anglo Operations Limited: Access Brown Shaft II: Interested and Affected Party Consultation-NEMA Scoping Phase
Importance: High

Daniel Solomon van Wyk

Attention: Mr. D.S. van Wyk

Anglo Operations Limited has applied for environmental authorization in terms of the National Environmental Management Act 107 of 1998. As an Interested and Affected Party please find attached a Notice informing you about the project as well as an opportunity to register as an Interest and Affected Party.

Kind Regards,
Zahira Khan

Geovicon Environmental (Pty) Limited
Tel: 013 243 0542
Fax: 086 632 4936

To: Daniel Solomon van Wyk **From:** Riana Bate
Fax: - **Pages:** 1
Phone: 083 633 5773 **Date:** 2013/01/23

Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed
Activities in terms of the National Environmental Management Act (Act no. 107
of 1998)

Attention: Mr. D.S. van Wyk

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga.** The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: 17/2/3N-206.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant:	Tel.: 013 243 0542
GEOVICON Environmental (Pty) Ltd	Fax.: 086 632 4936
P. O. Box 4050	Cell.: 082 359 5604
Middelburg	E-mail: geovicon@iafrica.com
1050	Contact person: Riana Bate

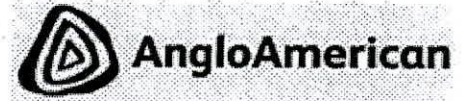
Receipt of above-mentioned notice is hereby acknowledged.

Received by: Sonja van Wyk Signature: [Signature]

Contact number: 083 642 4170 E-mail address: vanwyk@nashuaisp.co.za

Postal address: Posbus 137 Hendrina 1095

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

To: S.I.S Farming	From: Riana Bate
Fax: -	Pages: 1
Phone: 013 291 5000	Date: 2013/01/22
Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)	

Attention: Mr. Solly Hyman

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga**. The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206**.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant:	Tel.: 013 243 0542
GEOVICON Environmental (Pty) Ltd	Fax.: 086 632 4936
P. O. Box 4050	Cell.: 082 359 5604
Middelburg	E-mail: geovicon@iafrica.com
1050	Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by:.....Signature:.....
Contact number:.....E-mail address:.....
Postal address:.....

Geovicon

From: Geovicon [geovicon@iafrica.com]
Sent: 22 January 2013 01:36 PM
To: 'j.s@mweb.co.za'
Subject: Anglo Operations Limited: Access Brown Shaft II: Interested and Affected Party Consultation-NEMA Scoping Phase
Attachments: Bleswolf Boerdery SCOPING NOTICE.pdf
Importance: High

BLESWOLF BOERDERY

Attention: Jannie Schoeman

Anglo Operations Limited has applied for environmental authorization in terms of the National Environmental Management Act 107 of 1998. As an Interested and Affected Party please find attached a Notice informing you about the project as well as an opportunity to register as an Interest and Affected Party.

Kind Regards,
Zahira Khan

Geovicon Environmental (Pty) Limited
Tel: 013 243 0542
Fax: 086 632 4936

**NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE**



Real Mining, Real people, Real Difference

To: Ingwe Surface Holdings Ltd From: Riana Bate

Fax: Pages: 1

Phone: 082 812 4431 Date: 2013/01/31

Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed
Activities in terms of the National Environmental Management Act (Act no. 107
of 1998)

Attention: Goodness Bopape

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga.** The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: 17/2/3N-206.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant: Tel.: 013 243 0542
GEOVICON Environmental (Pty) Ltd Fax.: 086 632 4936
P. O. Box 4050 Cell.: 082 359 5604
Middelburg E-mail: geovicon@iafrica.com
1050 Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by:.....Signature:.....

Contact number:.....E-mail address:.....

Postal address:.....

Geovicon

From: Geovicon [geovicon@iafrica.com]
Sent: 01 February 2013 11:30 AM
To: 'Goodness.Bopape@bhpbilliton.com'
Subject: Anglo Operations Limited: Access Brown Shaft II: Interested and Affected Party Consultation-NEMA Scoping Phase
Attachments: Ingwe Collieries SCOPING NOTICE 2.pdf

INGWE SURFACE HOLDINGS LIMITED

Attention: Goodness Bopape

Anglo Operations Limited has applied for environmental authorization in terms of the National Environmental Management Act 107 of 1998. As an Interested and Affected Party please find attached a Notice informing you about the project as well as an opportunity to register as an Interest and Affected Party.

I have also sent the email to Vikesh Dhanooklal.

Kind Regards,
Zahira Khan

Geovicon Environmental (Pty) Limited

Tel: 013 243 0542

Fax: 086 632 4936

Geovicon

From: Geovicon [geovicon@iafrica.com]
Sent: 23 January 2013 12:45 PM
To: 'vikesh.dhanooklal@bhpbilliton.com'
Subject: Anglo Operations Limited: Access Brown Shaft II: Interested and Affected Party Consultation- NEMA Scoping Phase
Attachments: Ingwe Surface holdings SCOPING NOTICE.pdf
Importance: High

INGWE SURFACE HOLDINGS LTD

Attention: Vikesh Dhanooklal

Anglo Operations Limited has applied for environmental authorization in terms of the National Environmental Management Act 107 of 1998. As an Interested and Affected Party please find attached a Notice informing you about project as well as an opportunity to register as an Interest and Affected Party.

Kind Regards,
Zahira Khan

Geovicon Environmental (Pty) Limited
Tel: 013 243 0542
Fax: 086 632 4936

Geovicon

From: Geovicon [geovicon@iafrica.com]
Sent: 22 January 2013 01:38 PM
To: 'mrmmygani@gmail.com'
Subject: Anglo Operations Limited: Access Brown Shaft II: Interested and Affected Party Consultation-NEMA Scoping Phase
Attachments: Komatie Ontwikkelings SCOPING NOTICE.pdf
Importance: High

KOMATIE ONTWIKKELINGS MPY (PTY) LTD

Attention: Ebrahim Suliman

Anglo Operations Limited has applied for environmental authorization in terms of the National Environmental Management Act 107 of 1998. As an Interested and Affected Party please find attached a Notice informing you about the project as well as an opportunity to register as an Interest and Affected Party.

Kind Regards,
Zahira Khan

Geovicon Environmental (Pty) Limited
Tel: 013 243 0542
Fax: 086 632 4936

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

To: Komatie Ontwikkelings MPY (Pty) Ltd From: Riana Bate

Fax: Pages: 1

Phone: 082 551 7794 Date: 2013/01/22

Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed
Activities in terms of the National Environmental Management Act (Act no. 107
of 1998)

Attention: Ebrahim Suliman

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: Wolfenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga. The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: 17/2/3N-206.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant:
GEOVICON Environmental (Pty) Ltd
P. O. Box 4050
Middelburg
1050

Tel.: 013 243 0542
Fax: 086 632 4936
Cell.: 082 359 5604
E-mail: geovicon@iafrica.com
Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by: EAG SULIMAN Signature: [Signature]

Contact number: 0825517794 / 0844723911 E-mail address: mrmygani@gmail.com

Postal address: P.O. Box 3915 Middelburg MP 1050

0844723911



NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

To: Komatie Ontwikkelings MPY (Pty) Ltd From: Riana Bate

Fax: Pages: 1

Phone: 082 551 7794 Date: 2013/01/22

Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)

Attention: Ebrahim Suliman

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga.** The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: 17/2/3N-206.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant:
GEOVICON Environmental (Pty) Ltd
P. O. Box 4050
Middelburg
1050

Tel.: 013 243 0542
Fax: 086 632 4936
Cell.: 082 359 5604
E-mail: geovicon@iafrica.com
Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by: EAG SULIMAN Signature: [Signature]

Contact number: 0825517794 / 0844723911 E-mail address: mrmygani@gmail.com

Postal address: P.O. Box 3915 Middelburg MP 1050

0844723911

Geovicon

From: Geovicon [geovicon@iafrica.com]
Sent: 22 January 2013 01:24 PM
To: 'Netshidzati@nra.co.za'
Subject: Anglo Operations Limited: Access Brown Shaft II: Interested and Affected Party Consultation-NEMA Scoping Phase
Attachments: SANRAL SCOPING NOTICE.pdf
Importance: High

SOUTH AFRICAN NATIONAL ROADS AGENCY (SANRAL)

Attention Ashley Netshidzati

Anglo Operations Limited has applied for environmental authorization in terms of the National Environmental Management Act 107 of 1998. As an Interested and Affected Party please find attached a Notice informing you about the project as well as an opportunity to register as an Interest and Affected Party.

Kind Regards,

Zahira Khan

Geovicon Environmental (Pty) Limited

Tel: 013 243 0542

Fax: 086 632 4936

Geovicon

From: Geovicon [geovicon@iafrica.com]
Sent: 06 February 2013 10:09 AM
To: 'andre@phgroup.co.za'
Subject: Anglo Operations Limited: Access Brown Shaft II: Interested and Affected Party Consultation-
NEMA Scoping Phase
Attachments: Mr A. Hennop(land occupier) SCOPING NOTICE.pdf
Importance: High

Attention: Mr. A. Hennop

Anglo Operations Limited has applied for environmental authorization in terms of the National Environmental Management Act 107 of 1998. As an Interested and Affected Party please find attached a Notice informing you about the project as well as an opportunity to register as an Interest and Affected Party.

Kind Regards,
Zahira Khan

Geovicon Environmental (Pty) Limited
Tel: 013 243 0542
Fax: 086 632 4936

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

To: Mr. A. Hennop From: Riana Bate
Fax: Pages: 1
Phone: 083 327 9830 Date: 2013/02/06

Re: **Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)**

Attention: Mr. A. Hennop


Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga**. The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: 17/2/3N-206.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant: Tel.: 013 243 0542
GEOVICON Environmental (Pty) Ltd Fax.: 086 632 4936
P. O. Box 4050 Cell.: 082 359 5604
Middelburg E-mail: geovicon@iafrica.com
1050 Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

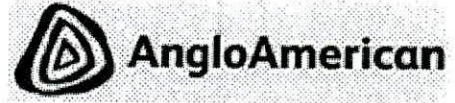
Received by: Andre Hennop Signature: 

Contact number: 082 444 8691 E-mail address: commercial@phgroup.co.za

Postal address: P.O. Box 4181, Dalpark, 1543

Please direct all correspondence to Andries du Plessis at the above contact details.

NOTICE: INTERESTED AND AFFECTED PARTIES;
 BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
 ANGLO OPERATIONS LIMITED;
 NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

To: Mpumalanga Tourism and Parks Agency
From: Riana Bate
Fax: 013 282 8674
Pages: 1
Phone: 013 282 8671
Date: 2013/01/22
Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)

Attention: Ms. Balungile Bhengu

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga.** The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206.**

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

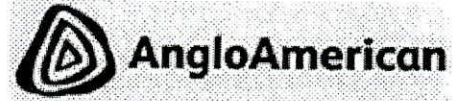
Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant: Tel.: 013 243 0542
 GEOVICON Environmental (Pty) Ltd Fax.: 086 632 4936
 P. O. Box 4050 Cell.: 082 359 5604
 Middelburg E-mail: geovicon@iafrica.com
 1050 Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by: BAHUNGILE BHENGU Signature: [Signature]
 Contact number: 083 363 0489 E-mail address:
 Postal address:

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

To: Department of Mineral Resources **From:** Riana Bate
Fax: _____ **Pages:** 1
Phone: 013 653 0500 **Date:** 2013/01/21
Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)

The Regional Manager

Attention: Ms. Martha Mokonyane

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga.** The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206.**

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant:
GEOVICON Environmental (Pty) Ltd
P. O. Box 4050
Middelburg
1050

Tel.: 013 243 0542
Fax.: 086 632 4936
Cell.: 082 359 5604
E-mail: geovicon@iafrica.com
Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

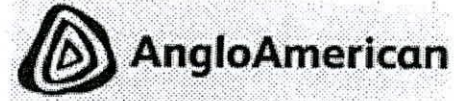
Received by: DANIEL LEHLUO Signature:

Contact number: _____ E-mail address: _____

Postal address: _____

Dept. of Mineral Resources
Private Bag X7279
2013 -01- 21
Witbank 1035
Dept. of Mineral Resources

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

Fax

To: Department of Land Affairs	From: Riana Bate
Fax: 013 656 0375	Pages: 1
Phone: 013 656 0848	Date: 2013/02/01
Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)	

Attention: Mr. Harold Skhosana

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga**. The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206**.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant:	Tel.: 013 243 0542
GEOVICON Environmental (Pty) Ltd	Fax.: 086 632 4936
P. O. Box 4050	Cell.: 082 359 5604
Middelburg	E-mail: geovicon@iafrica.com
1050	Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by:.....Signature:.....

Contact number:.....E-mail address:.....

Postal address:.....

Fax Log for

Riana Bate

0132430542

01 Feb 2013 10:47

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
01 Feb	10:46	Fax Sent	0136560375	0:42	1	OK

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

Fax

To: Department of Agriculture	From: Riana Bate
Fax: 013 754 0735	Pages: 1
Phone: 013 754 0734/1	Date: 2013/01/21
Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)	

Attention: Mr. Love Shabane

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga**. The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206**.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant:	Tel.: 013 243 0542
GEOVICON Environmental (Pty) Ltd	Fax.: 086 632 4936
P. O. Box 4050	Cell.: 082 359 5604
Middelburg	E-mail: geovicon@iafrica.com
1050	Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by:.....Signature:.....

Contact number:.....E-mail address:.....

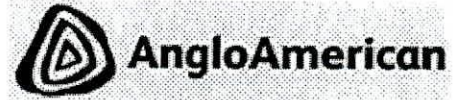
Postal address:.....

Fax Log for
Riana Bate
0132430542
21 Jan 2013 13:24

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
21 Jan	13:23	Fax Sent	27 13 7551961	0:41	1	OK

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

Fax

To: Department of Water Affairs	From: Riana Bate
Fax: 086 637 4302	Pages: 1
Phone: 013 932 2061	Date: 2013/01/21
Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)	

Attention: Ms. Betty Mnguni

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga.** The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206.**

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant:	Tel.: 013 243 0542
GEOVICON Environmental (Pty) Ltd	Fax.: 086 632 4936
P. O. Box 4050	Cell.: 082 359 5604
Middelburg	E-mail: geovicon@iafrica.com
1050	Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by:.....Signature:.....

Contact number:.....E-mail address:.....

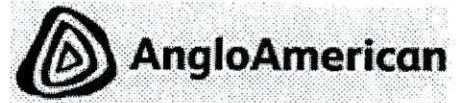
Postal address:.....

Fax Log for
Riana Bate
0132430542
21 Jan 2013 11:55

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
21 Jan	11:53	Fax Sent	open	2:18	1	OK

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

Fax

To: Steve Tshwete Local Municipality From: Riana Bate
(Ward 6)

Fax: 013 249 7072 Pages: 1

Phone: 013 249 7000 Date: 2013/01/21

Re: **Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)**

Attention: Councillor Lali Elijah Mkhuma (Ward 6)

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga**. The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206**.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant: Tel.: 013 243 0542
GEOVICON Environmental (Pty) Ltd Fax.: 086 632 4936
P. O. Box 4050 Cell.: 082 359 5604
Middelburg E-mail: geovicon@iafrica.com
1050 Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by:.....Signature:.....

Contact number:.....E-mail address:.....

Postal address:.....

Fax Log for
Riana Bate
0132430542
21 Jan 2013 13:18

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
21 Jan	13:17	Fax Sent	0132497072	0:51	1	OK

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

Fax

To: Steve Tshwete Local Municipality (Ward 6) From: Riana Bate
Fax: 013 249 7072 Pages: 1
Phone: 013 249 7000 Date: 2013/01/21
Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)

Attention: Councillor Lali Elijah Mkhuma (Ward 6)

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga. The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: 17/2/3N-206.

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

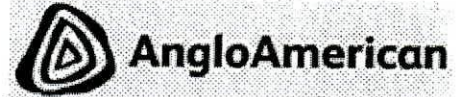
Consultant: GEOVICON Environmental (Pty) Ltd
P. O. Box 4050
Middelburg
1050
Tel.: 013 243 0542
Fax.: 086 632 4936
Cell.: 082 359 5604
E-mail: geovicon@iafrica.com
Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by: LALI E. MKHUMA Signature:
Contact number: 073 955 5616 E-mail address: lemkhuma@gmail.com
Postal address: Box 10 BUNBURATI 2250

MDEDET REF NO: 17/2/3N-206

NOTICE: INTERESTED AND AFFECTED PARTIES;
BANK COLLIERY - ACCESS BROWN SHAFT II; A DIVISION OF
ANGLO OPERATIONS LIMITED;
NEMA SCOPING PHASE



Real Mining, Real people, Real Difference

Fax

To: Steve Tshwete Local Municipality	From: Riana Bate
Fax: 013 243 2550	Pages: 1
Phone: 013 249 7000	Date: 2013/01/21
Re: Anglo Operations Limited: Access Brown Shaft II- Application for Listed Activities in terms of the National Environmental Management Act (Act no. 107 of 1998)	

Attention: Mr. M. Mahamba

Anglo Operations Limited (Reg. No.: 1921/006730/06) has applied for the authorisation of listed activities in terms of sections 24 and 24D of the National Environmental Management Act (Act no. 107 of 1998) read together with Government Notice No. R544 and R545, which comprise the construction of an access adit and associated infrastructure for the purpose of underground coal mining activities (Access Brown Shaft II). The activities will result in the transformation of undeveloped land of more than 20 hectares to commercial (mining) and industrial (mining) use. A conveyor belt will be constructed to transport the raw coal to an existing plant (Bank Colliery) for further processing. A pipeline will be constructed to transport water from the proposed access adit to a mined out underground water storage area. These activities will occur on certain portions of the following farms: **Wolvenfontein 471 JS and Blesbokvlakte 24 IS, Middelburg district, Mpumalanga.** The application was accepted by the Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET), with the following reference number: **17/2/3N-206.**

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the Draft Scoping Report in terms of section 28 of the Environmental Impact Assessment Regulations published in Government Notice No. R543. As part of the Public Participation Process, contemplated in Chapter 6 of the Environmental Impact Assessment Regulations, published in Government Notice No. R543, any person who is interested or affected by the Access Brown Shaft II project is hereby invited to register as an Interested and Affected Party.

Should you wish to register as an interested and affected party, please inform the contact person as indicated below or fill in the spaces below and fax to 086 632 4936 in order to receive a Draft Scoping Report containing a reply sheet for your comments. Please use the MDEDET reference number as indicated above.

Consultant:	Tel.: 013 243 0542
GEOVICON Environmental (Pty) Ltd	Fax.: 086 632 4936
P. O. Box 4050	Cell.: 082 359 5604
Middelburg	E-mail: geovicon@iafrica.com
1050	Contact person: Riana Bate

Receipt of above-mentioned notice is hereby acknowledged.

Received by:.....Signature:.....

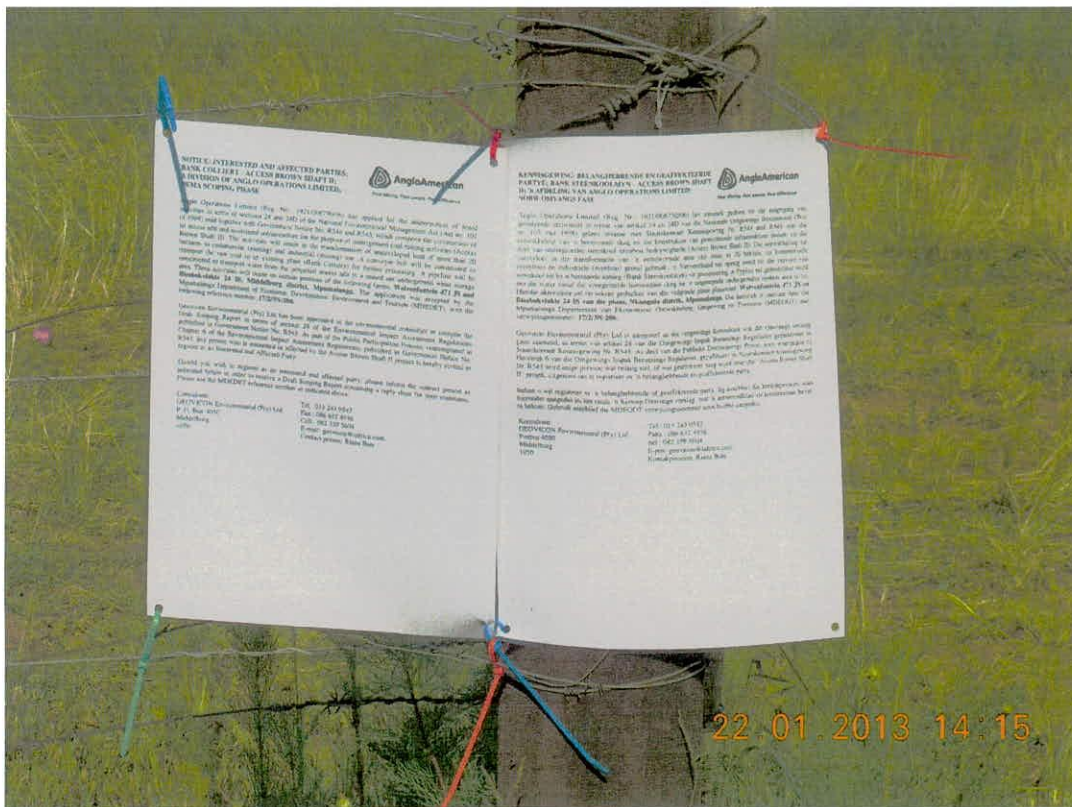
Contact number:.....E-mail address:.....

Postal address:.....

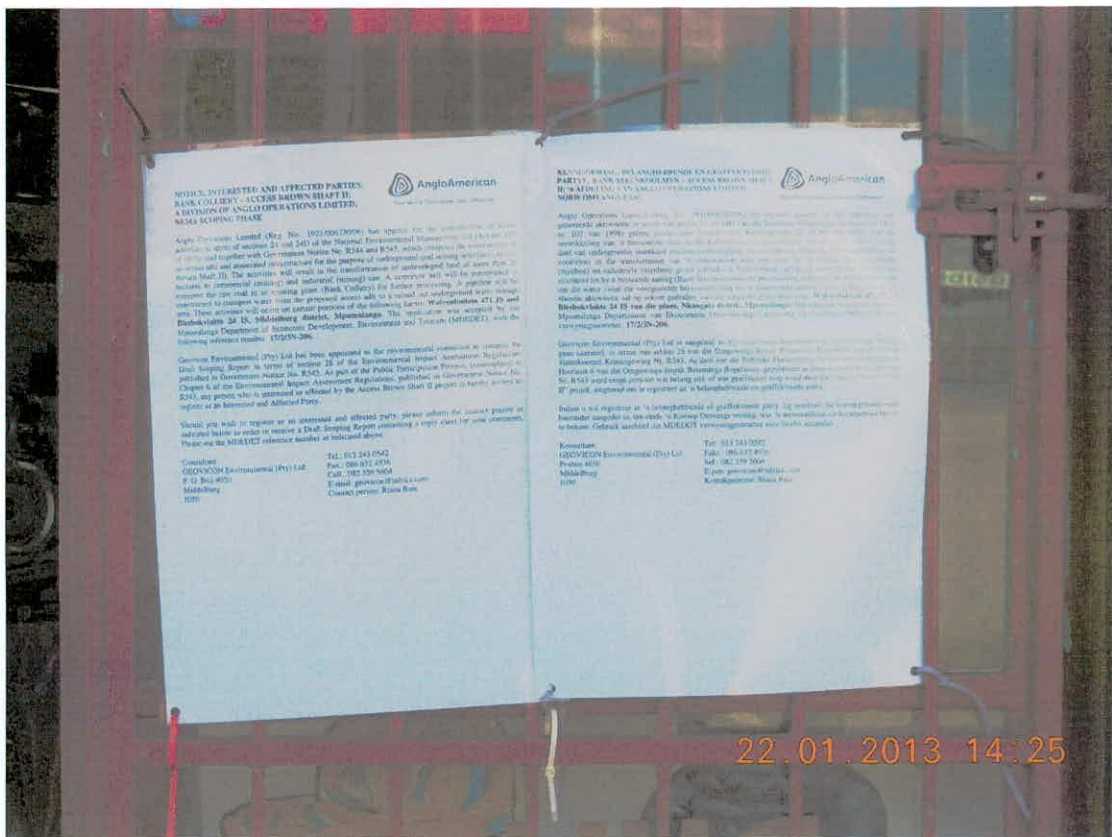
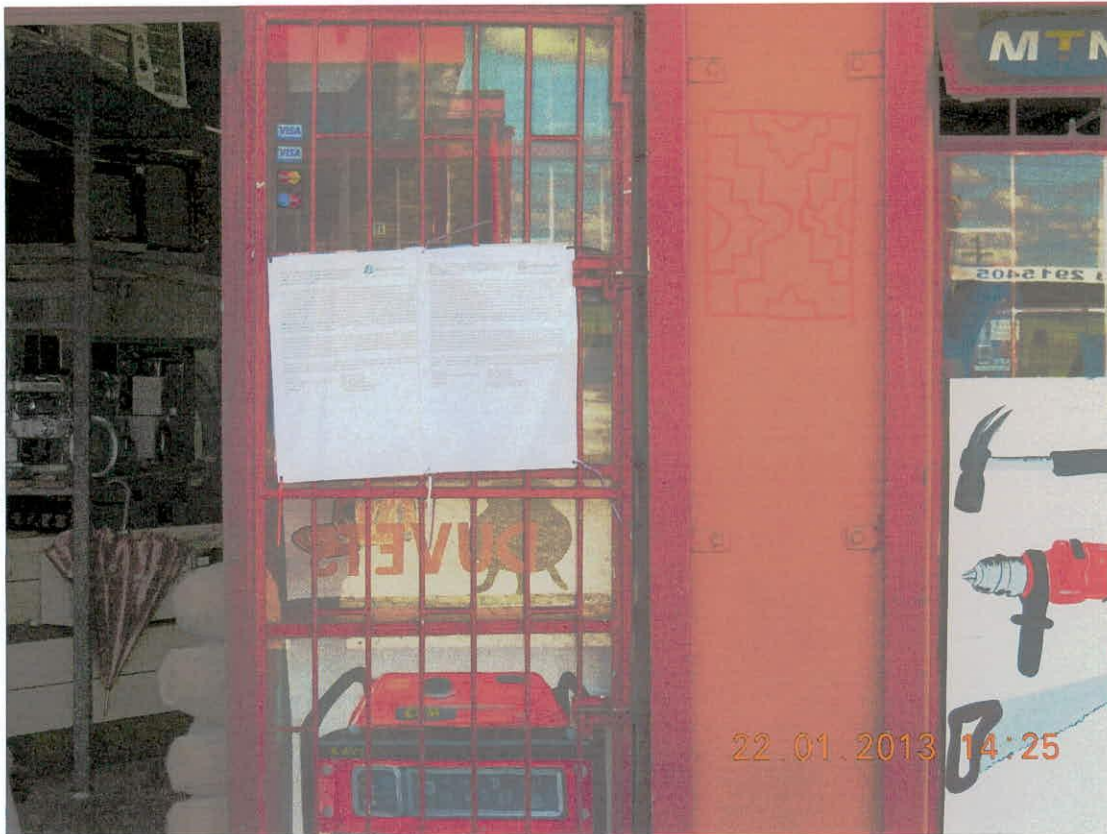
Fax Log for
Riana Bate
0132430542
21 Jan 2013 13:19

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
21 Jan	13:18	Fax Sent		0:34	1	OK



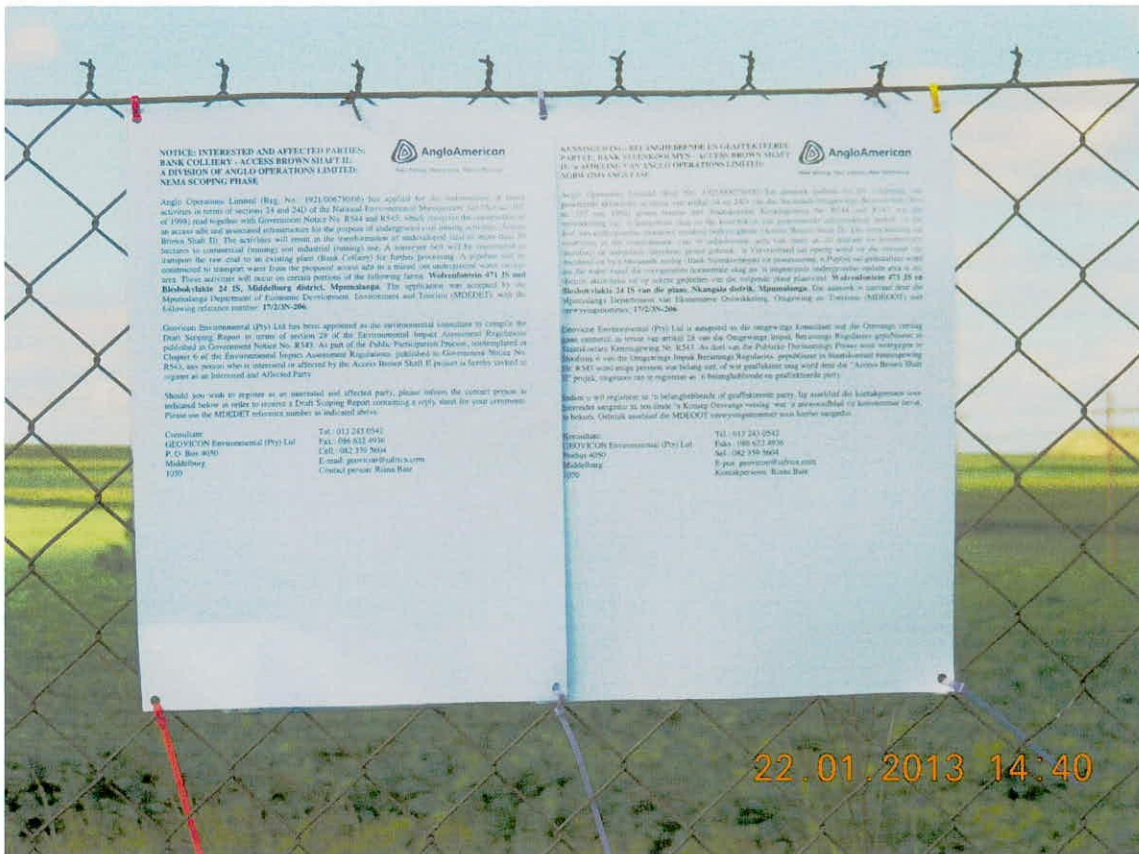
**SITE NOTICE PLACED AT THE PROPOSED ACCESS
BROWN SHAFT II PROJECT AREA**



SITE NOTICE PLACED AT A LOCAL SUPER MARKET WEST OF THE PROPOSED ACCESS BROWN SHAFT II AREA



22.01.2013 14:41

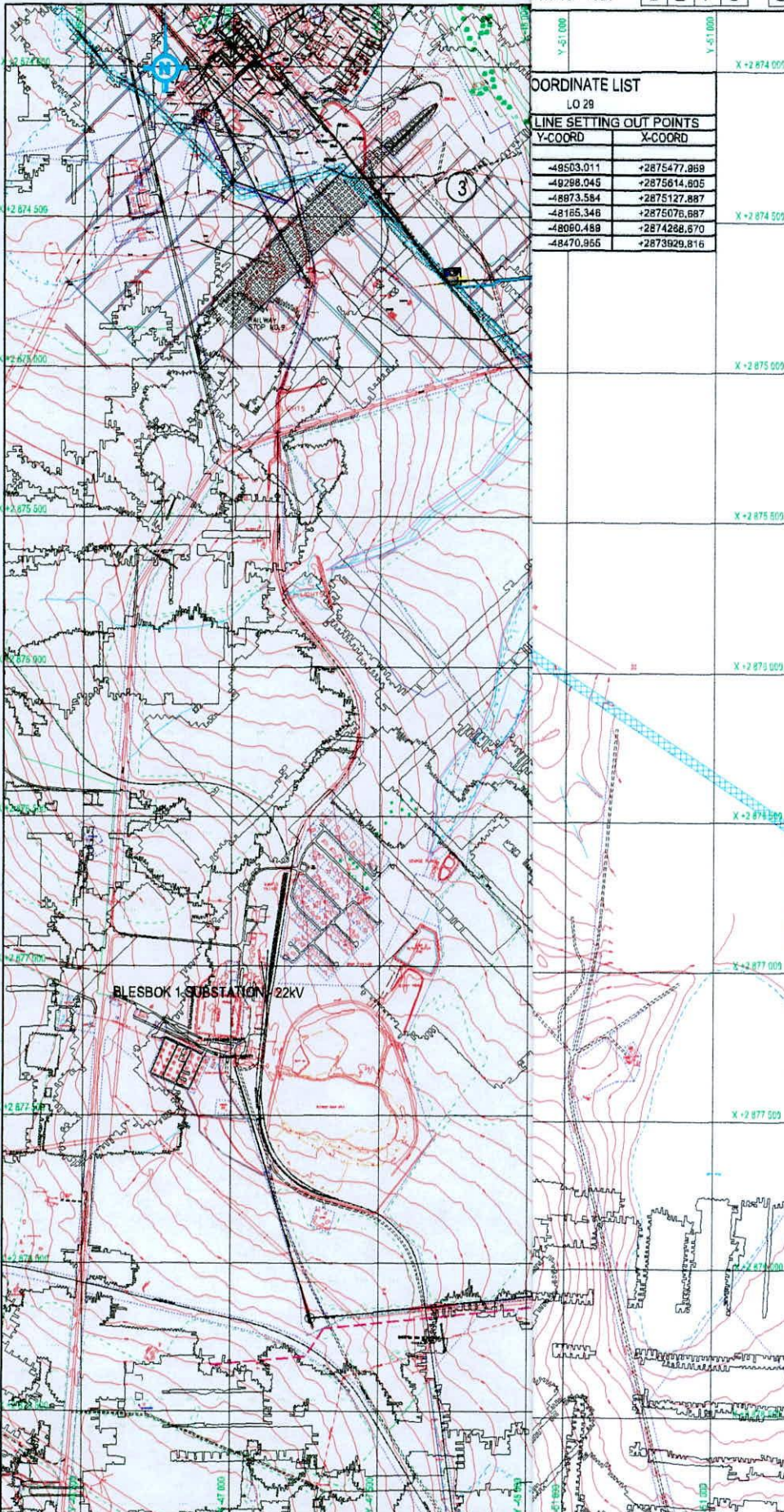


22.01.2013 14:40

SITE NOTICE PLACED AT GOEDEHOOP COLLIERY: SOUTH SHAFT, SOUTH FROM THE PROPOSED ACCESS BROWN SHAFT II AREA

Appendix 10

Surface Infrastructure Layout Plans for the Proposed Access Brown Shaft II Project Area



THE CO-ORDINATE SYSTEM USED ON THIS DRAWING IS
GAUSS CONFORM L₀ 29° EAST
 ELLIPSOID - CLARKE + 830 MODIFIED
 CAPE DATUM

COORDINATE LIST
 L0 29

LINE SETTING OUT POINTS	
Y-COORD	X-COORD
-49503.011	+2875477.869
-49298.049	+2875614.805
-48973.584	+2875127.887
-48165.346	+2875076.887
-48060.489	+2874288.670
-48470.956	+2873929.816

- ① BROWN SHAFT 2
- ② EXISTING BROWN SHAFT 1 (NOT SHOWN)
- ③ EXISTING GH NORTH WASHING PLANT
- ④ EXISTING OVERLAND CONVEYOR ROUTE
- ⑤ PROPOSED UNDERGROUND MINING LAYOUT (JANUARY 2013)
- ⑥ EXISTING R35 PROVINCIAL ROAD
- ⑦ EXISTING 400KV OVERHEAD POWERLINE WITH 205m SERVITUDE SHOWN
- ⑧ EXISTING OUVHA WATER PIPELINE WITH 30m SERVITUDE
- ⑨ EXISTING WATER COURSE WITH 50yr + 109yr FLOODLINE
- ⑩ EXISTING UNDERGROUND MINING OUTLINE
- ⑪ SOUTH SHAFT
- ⑫ EXISTING CONVEYOR CROSSING
- ⑬ C TRUNK CONVEYOR
- ⑭ (a) WETLAND EDGE (RECEIVED FROM GEOVICON)
 (b) 500m BUFFER (RECEIVED FROM GEOVICON)
- ⑮ ELECTRICAL OVERHEADS LINES (SOUTH SHAFT 2)
- ⑯ PIPELINE (SOUTH SHAFT 2)
- ⑰ DOWNCAST SHAFT
- ⑱ UPCAST SHAFT

PROPOSED BROWN SHAFT 2 BOUNDARY

BROWN SHAFT 2 BLOCK PLAN	CED-0003
BROWN SHAFT 2 -LOCATION PLAN	CED-0002
OVERALL LAYOUT PLAN	CED-0001
TITLE	DRG No

REFERENCES


ISSUED FOR INFORMATION	A	22.02.2013	M.M
ISSUED FOR APPROVAL	B	25.02.2013	M.M

DETAIL	MARK	DATE	INIT	APPV'D

REVISIONS

No	DESCRIPTION OF HOLDS	ADDED	REMOVED
01	OVERHEADLINES & PIPELINE ROUTE TO BE FINALISED	22/02/13	

HOLDS



SEMANE CONSULTING ENGINEERS (PTY) LTD
 1st Floor, 88 Marshall Street, Johannesburg, 2001
 PO Box 61950, Marshalltown, 2107
 Republic of South Africa
 Telephone: 011 891-1600
 Facsimile: 011 833-1039
 email: corporate@semane.co.za
 website: www.semane.co.za

SEMANE DRG No. 102-GHP-144-R50007

APPROVED BY B.SLABBERT	PR.ENG	740431	
DESIGNED BY C.MAYERS	PR TECH ENG	200570131	
CIVIL CALCULATION FILE NO.	NAME	SIGNATURE	REGISTRATION REG.NO. DATE
DESIGNED & APPROVED IN ACCORDANCE WITH S.A.N.S. 1200 CIVIL ENGINEERING SPECIFICATION AND AA SPECIFICATIONS WHERE APPLICABLE			
INFRASTRUCTURE ENGINEERING			

CO GOEDHOOP COLLIERY
 DR BROWN SHAFT 2
 CH SURFACE
 DE INFRASTRUCTURE
 PR BLOCK PLAN
 PR BROWN SHAFT 2 SERVITUDE
 PR LAYOUT PLAN

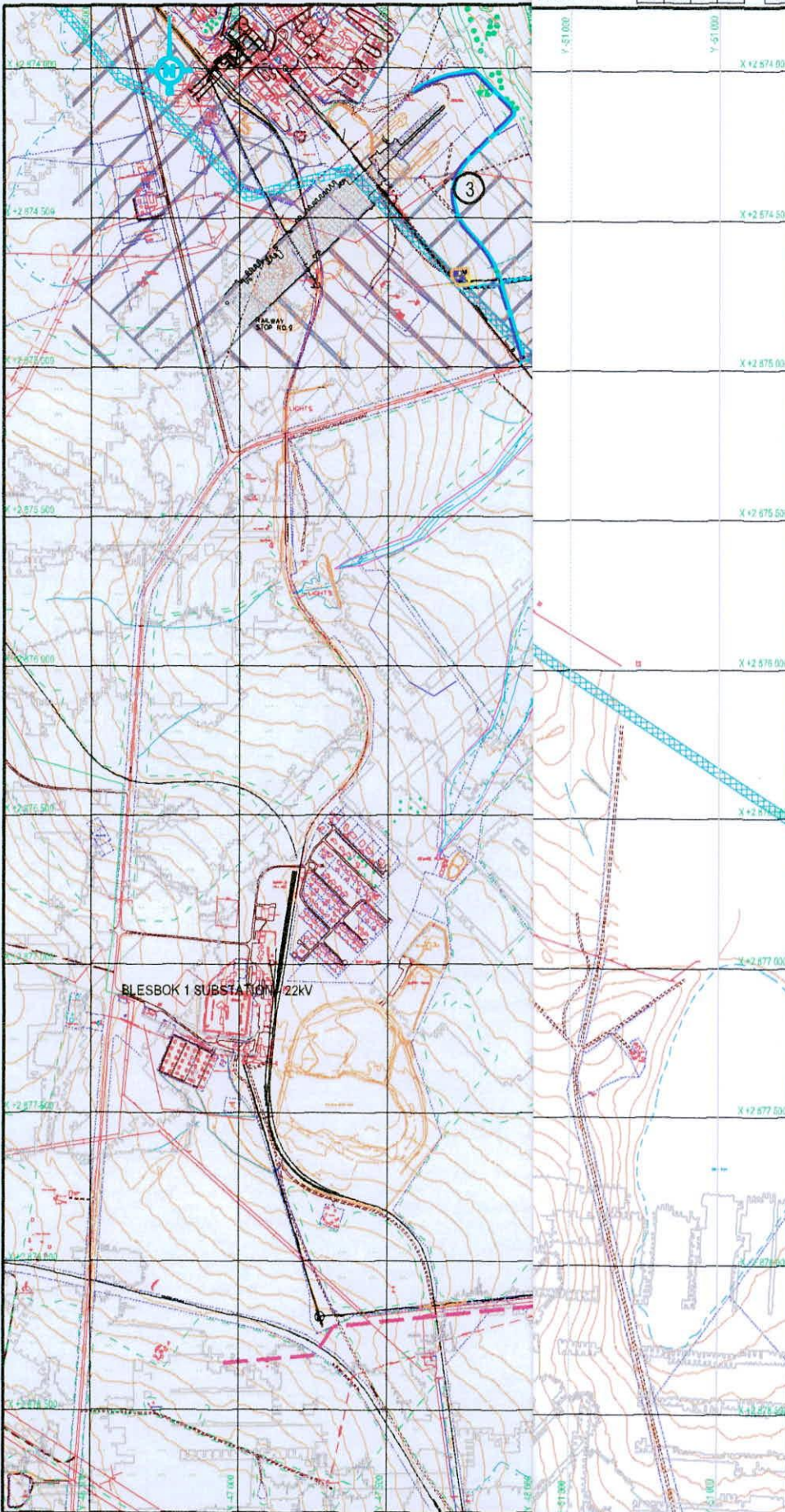
COPYRIGHT

SCALE: 1:10 000

ORIGINAL DRG. SIZE A1

SHEET 1 OF 1

REV. B



THE CO-ORDINATE SYSTEM USED ON THIS DRAWING IS
GAUSS CONFORM L₀ 29° EAST
ELLIPSOID - CLARKE 1880 MODIFIED
CAPE DATUM

- ① BROWN SHAFT 2
- ② EXISTING BROWN SHAFT 1 (NOT SHOWN)
- ③ EXISTING GH NORTH WASHING PLANT
- ④ EXISTING OVERLAND CONVEYOR ROUTE
- ⑤ PROPOSED UNDERGROUND MINING LAYOUT (JANUARY 2013)
- ⑥ EXISTING R35 PROVINCIAL ROAD
- ⑦ EXISTING 400KV OVERHEAD POWERLINE WITH 200m SERVITUDE SHOWN
- ⑧ EXISTING DUVHA WATER PIPELINE WITH 30m SERVITUDE
- ⑨ EXISTING WATER COURSE WITH 50yr + 100yr FLOODLINE
- ⑩ EXISTING UNDERGROUND MINING OUTLINE
- ⑪ SOUTH SHAFT
- ⑫ EXISTING CONVEYOR CROSSING
- ⑬ TRUNK CONVEYOR
- ⑭ (a) WETLAND EDGE (RECEIVED FROM GEOVICON)
 (b) 500m BUFFER (RECEIVED FROM GEOVICON)

--- 2No. 22KV ELECTRICAL OVERHEAD LINES
 --- PIPELINE FROM SOUTH SHAFT

LOCATION PLAN	CED-0151
LAYOUT PLAN	CED-0152
TITLE	DRG No

REFERENCES

WORKSHOP NO	DATE	BY
RE-POSITIONED	21/02/13	MLM
SOUTH SHAFT OVERHEAD LINES AND PIPELINE REPOSITIONED	12/03/13	MLM
REVISED WORKSHOP, REPOSITIONED	10/04/13	MLM
REVISED WORKSHOP, REPOSITIONED		
ISSUED FOR FEASIBILITY	03/12/12	MLM
DETAIL	MARK	DATE

REVISIONS

No	DESCRIPTION OF REVISION	BY	DATE

HOLDS

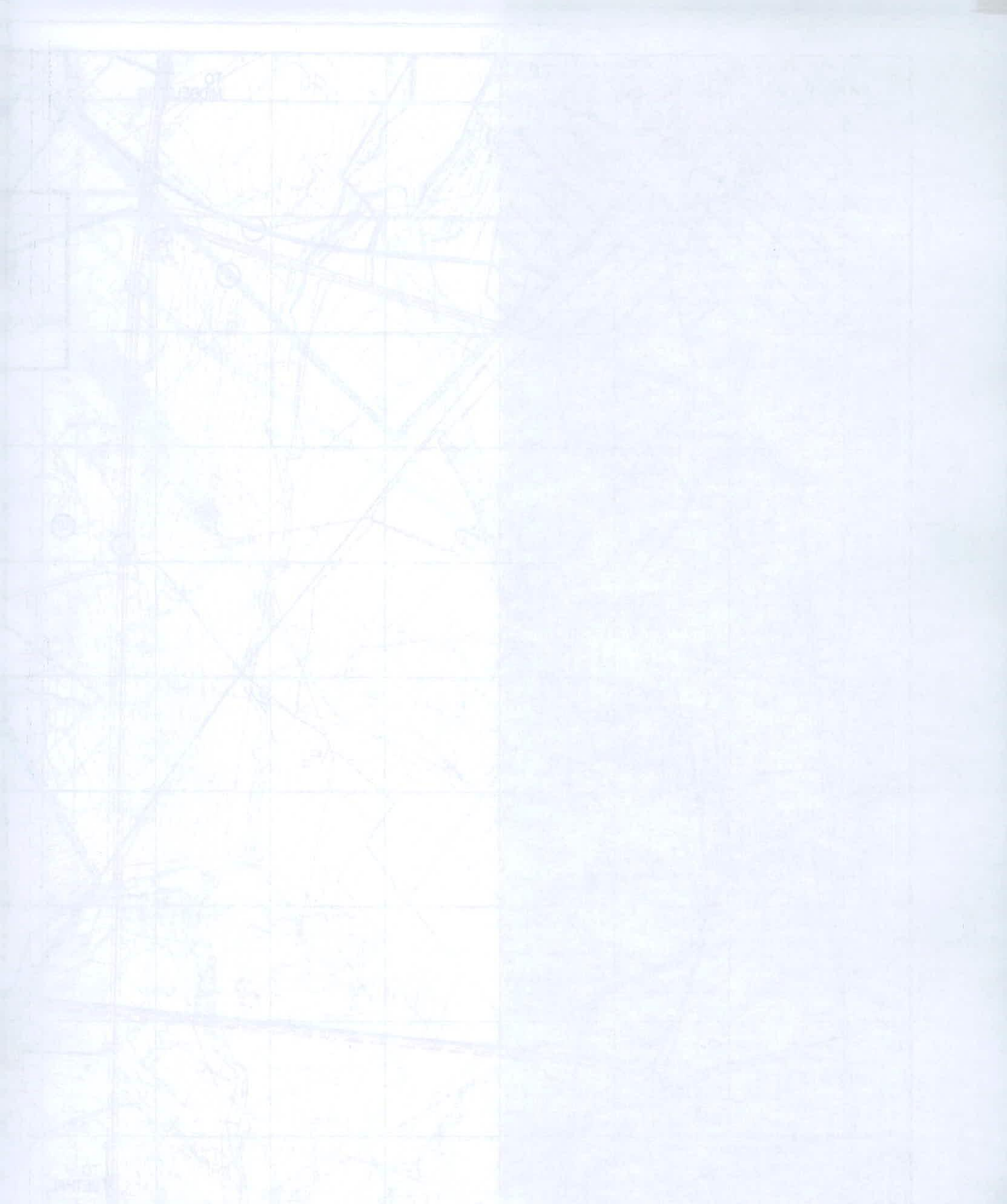


SEMANE CONSULTING ENGINEERS (PTY) LTD
 1st Floor, 88 Marshall Street, Johannesburg, 2001
 PO Box 61950, Marshalltown, 2107
 Republic of South Africa
 Telephone 1st: 011 891-1600
 Facsimile 1st: 011 833-1039
 email: corporate@semane.co.za
 website: www.semane.co.za

APPROVED BY	B.SLABBERT	B.P.J.S	PR/ENG	740431	04/10/12
DESIGNED BY	C.MAYERS	C.M	PR TECH ENG	200570131	04/10/12
CIVIL CALCULATION FILE NO.					
DESIGNED & APPROVED IN ACCORDANCE WITH S.A.N.S. 1200 CIVIL ENGINEERING SPECIFICATION AND AA SPECIFICATIONS WHERE APPLICABLE					
INFRASTRUCTURE ENGINEERING					

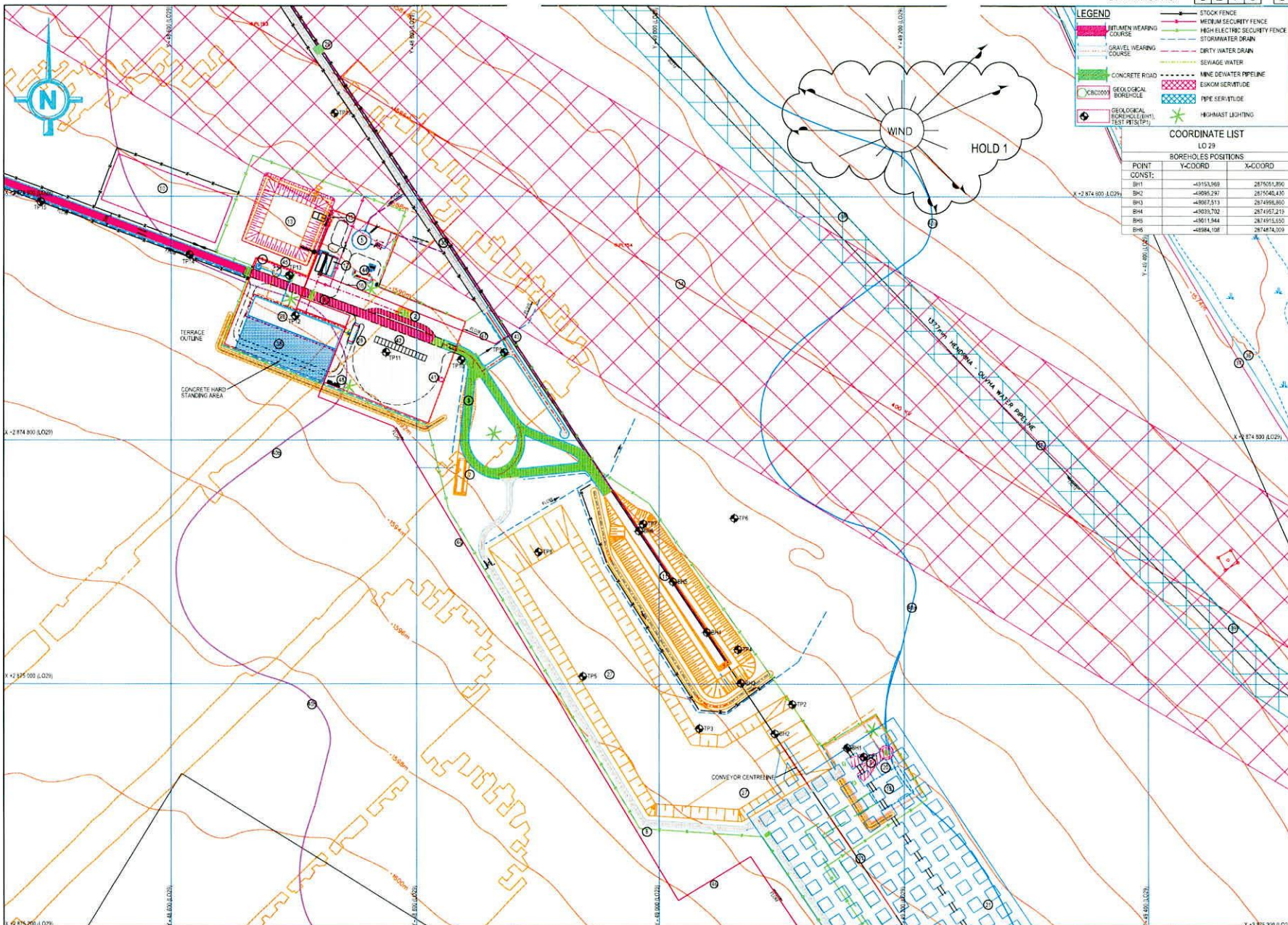
CGOEDHOOP COLLIERY
 DBROWN SHAFT 2
 SURFACE
 INFRASTRUCTURE
 BLOCK PLAN
 BROWN SHAFT 2 AND SOUTH SHAFT
 LAYOUT PLAN

COPYRIGHT	
SCALE:	1:10 000
ORIGINAL DRG. SIZE	A1
SHEET	1 OF 1
REV.	3



NO.	DESCRIPTION	QTY.	UNIT	REMARKS
1	BRACKET	1	PC	
2	SCREW	4	PCS	
3	WASHER	4	PCS	
4	SPACER	1	PC	
5	SCREW	2	PCS	
6	WASHER	2	PCS	
7	SCREW	2	PCS	
8	WASHER	2	PCS	
9	SCREW	2	PCS	
10	WASHER	2	PCS	

DRAWING NO. 100-100-100
 REV. 1
 DATE 10/10/10
 DESIGNED BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]



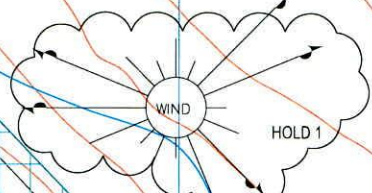
LEGEND

- STOCK FENCE
- MEDIUM SECURITY FENCE
- HIGH ELECTRIC SECURITY FENCE
- STORMWATER DRAIN
- DIRTY WATER DRAIN
- SEWAGE WATER
- MINE DEWATER PIPELINE
- ESKOM SERVICITUDE
- PIPE SERVICITUDE
- HIGHMAST LIGHTING

COORDINATE LIST
LO 29

BOREHOLES POSITIONS

POINT	Y-COORD	X-COORD
CONST:		
BH1	-49133,369	2875051,890
BH2	-4995,297	2875046,410
BH3	-4997,513	2874999,890
BH4	-49031,702	2874957,213
BH5	-49611,544	2874915,650
BH6	-48984,108	2874874,009



- 1 SECURITY GUARD HOUSE
- 2 FUEL BAY
- 3 BRAKE TEST RAUP
- 4 FIRE WATER STORAGE TANK AND PUMP STATION (SEE DWG CED-0002)
- 5 CONTINUOUS MINER WATER STORAGE TANK AND PUMP STATION
- 6 SUBSTATION YARD
- 7 ARRESTOR BED
- 8 SUBSTATION ACCESS ROAD (4m WIDE GRAVEL WEARING COURSE)
- 9 BROWN SHAFT 2 MAIN ACCESS ROAD (7.4m WIDE DOUBLE SEAL)
- 10 CONTRACTORS LAYDOWN AREA (130m x 40m)
- 11 INCLINE SHUTT
- 12 2No S/L TRAPS + DRIVING BED
- 13 DIRTY WATER CONTROL DAM (3M)
- 14 LV SUBSTATION (SEE DWG CED-0002)
- 15 DIRTY WATER PUMP STATION
- 16 DIRTY WATER PIPE LINE FROM UNDERGROUND PUMPSTATION
- 17 EXISTING 600mm HEADBOX WATER MAIN
- 18 EXISTING ACCESS ROAD BROWN SHAFT 1 (SEE DWG CED-0002)
- 19 UPCAST TENT SHAFT
- 20 FAN SHAFT TERRACE
- 21 UNDERGROUND MINING LAYOUT (JANUARY 2013)
- 22 FIRE WATER MAIN (NOT SHOWN)
- 23 PORTABLE WATER MAIN (NOT SHOWN)
- 24 UNDERGROUND SUBSTATION (NOT SHOWN)
- 25 UNDERGROUND PUMPSTATION (NOT SHOWN)
- 26 CONVEYOR MAGNET
- 27 CUT OFF BERM
- 28 WORKSHOP (AREA = 55m x 14.5m = 798m²)
- 29 WASH BAY
- 30 PROVINCIAL ROAD R35 (NOT SHOWN)
- 31 BROWN SHAFT 2 (MIDWINTER) CONVEYOR
- 32 EXISTING OVERLAND CONVEYOR ROUTE (NOT SHOWN)
- 33 EXISTING BROWN SHAFT STOCKPILE (NOT SHOWN)
- 34 CYBERHEAD ELECTRICAL POWERLINE 400 kV
- 35 CONVEYORS MAINTENANCE ROAD (4m WIDE GRAVEL WEARING COURSE)
- 36 150 YEAR FLOOD LINE
- 37 1:100 YEAR FLOOD LINE
- 38 CONCRETE HARD STANDING AREA
- 39 PIPE SERVICITUDE
- 40 (H) WETLAND EDGE (RECEIVED FROM GEODIVCON)
- 41 (H) 500m BUFFER (RECEIVED FROM GEODIVCON)
- 42 STONE DUST SILG
- 43 PARKING BAYS (15m)
- 44 CONVEYOR CROSSING (NOT SHOWN)
- 45 POLLUTION CONTROL DAM 225 M² MCC ROOM
- 46 SEWAGE CONSERVANCY TANK
- 47 DIRTY WATER PIPELINE TO SOUTH SHUTT
- 48 DIRTY WATER PIPELINE FROM BANK FRONT
- 49 ELECTRICAL WMS SUBSTATIONS

BROWN SHAFT 2 OVERALL LAYOUT	CED-8002
BROWN SHAFT LOCATION PLAN	CED-8001
WATER FLOW DIAGRAM	CED-8005

REFERENCES

NO	DESCRIPTION	DATE	BY
1	WASH-BAY & MAGNET POSITIONED	4 12.03.2013	NM
2	ELECTRICAL INFRASTRUCTURE ADDED	4 21.02.2013	NM
3	UNDERGROUND LAYOUT	3 21.02.2013	NM
4	RE-POSITIONED		

REVISIONS

NO	DETAIL	MARK	DATE	INIT	APPROV
1	AWAITING INFORMATION		27.09.2012		

HOLDS

SEMANE CONSULTING ENGINEERS (PTY) LTD
 1st Floor, 88 Marshall Street, Johannesburg, 2001
 PO Box 91950, Maraisburg, 2101
 Republic of South Africa
 Telephone No: 011 851-1000
 Facsimile No: 011 853-1039
 email: caprad@semane.co.za
 website: www.semane.co.za

APPROVED BY	NAME	REG. NO.	DATE	CONTS-APPROVAL	NAME	DATE	SIGNATURE	MINE - NOTED	NAME	DATE	SIGNATURE	ANGLO - NOTED	NAME	DATE	SIGNATURE
B.SLABBERT	B.P.S.	748431	04/18/12	PR. ENG.	M.MANGO	19/04/12	H.M.	PROJECT MANAGER	NIGEL BYE	05/10/12	N.BYE	HEAD OF ENG.			
C.MAYERS	C.M.	208578131	04/18/12	PR. TECH. ENG.	C.MAYERS	17/05/12	C.M.	ENGINEERING MANAGER				REGIONAL ENG.			
				REGISTRATION	C.MAYERS	19/04/12	C.M.	PROJECT ENGINEER				MECH ENGINEER			
				DATE				PROCESS MANAGER				ELEC. ENGINEER			
								SECTION ENGINEER				C & I ENGINEER			
								CONSTR. MANAGER				CIVIL ENGINEER	A.VAN ZYL	05/10/12	A.V.Z.
												METALLURGIST			

DESIGNED & APPROVED IN ACCORDANCE WITH S.A.N.S. 1200 CIVIL ENGINEERING SPECIFICATION AND AA SPECIFICATIONS WHERE APPLICABLE

INFRASTRUCTURE ENGINEERING

AngloAmerican
Thermal Coal

COMPANY: GOEDHOOP COLLIERY
 PROJECT: BROWN SHAFT 2-FEASIBILITY
 AREA: SURFACE
 LOCATION: INFRASTRUCTURE
 JOB: BLOCK PLAN
 TITLE: BROWN SHAFT 2 BLOCK PLAN

DRG No. 52775-0291-CED-0003

SCALE: 1:1500
 ORIGINAL Dwg. SIZE: A1
 SHEET: 1 OF 1

COPYRIGHT: SEMANE CONSULTING ENGINEERS (PTY) LTD

Appendix 11

Construction Methodology and Designs



CONSTRUCTION METHODOLOGY

for

GOEDEHOOP – BROWN SHAFT 2 MINE CIVIL INFRASTRUCTURE

SEMANE PROJECT NUMBER: 102 GHP 144

REPORT NUMBER:

DATE: 24-02-2013

REVISION NUMBER: 1

PHASE:



1st Floor, 88 Marshall Street
Johannesburg, 2001
PO Box 61950
Marshalltown, 2107
Republic of South Africa
Telephone N^o: (011) 891-1600
Facsimile N^o: (011) 833-1039
E-mail: corporate@semane.co.za



AUTHOR/S

NAME	DESIGNATION	SIGNATURE	DATE
JL JOHNS	SNR ENGINEER		

APPROVAL

NAME	DESIGNATION	SIGNATURE	DATE

DISTRIBUTION

NAME	DOCUMENT TYPE	E-MAIL ADDRESS

CHANGE HISTORY

DATE	REVISION NO.	DESCRIPTION
24-04-2013	1	Remove reference to water treatment plant

TABLE OF CONTENTS**REPORT INDEX**

1	INTRODUCTION.....	4
2	SCOPE OF CIVIL INFRASTRUCTURE.....	4
3	BLOCK PLAN	4
4	ROADS.....	4
5	FENCING.....	7
6	MINE INFRASTRUCTURE BUILDINGS AND FACILITIES	7
7	TERRACES	8
8	INCLINE SHAFT.....	8
9	VENTILATION SHAFTS	9
10	POTABLE WATER RETICULATION.....	9
11	FIRE WATER SUPPLY STORAGE, PUMPING AND RETICULATION	10
12	STORM AND DIRTY WATER MANAGEMENT	11
13	DIRTY WATER MANAGEMENT	12
14	MAINTENANCE REQUIREMENTS DURING OPERATION	15

1 INTRODUCTION

This report covers the construction methodology of the surface infrastructure associated with Goedehoop Brown shaft 2. It is based on the Design Report and addresses each major item of Civil Infrastructure to be built

2 SCOPE OF CIVIL INFRASTRUCTURE

- Main access road
- Internal access roads including overland conveyor
- Security fencing for mine infrastructure
- Mine infrastructure buildings and facilities
- Terraces for buildings, facilities and sub-stations
- Incline shaft
- Ventilation shaft collar and fans
- Utility Service – Water and Sewage Reticulations and Storage
- Fire water supply, storage, pumping and reticulation
- Storm and dirty water management
- Dirty water dam and silt trap

3 BLOCK PLAN

Refer to drawing number 0275-0000-CED-0003

4 ROADS

All roads shall be constructed using the following equipment;

- Front end loaders
- Dump trucks
- Graders
- Compactors/rollers
- Water bowsers
- Drilling machines (where required) and blasting

4.1 Provincial road intersection and main access road

The provincial road intersection shall be designed to provide acceleration and deceleration and dedicated turning and passing lanes on the R35. This road shall be built to the following specification:

- Remove 150mm topsoil to topsoil stockpile
- Remove minimum 450mm unsuitable material to spoil
- Scarify in-situ material to 150mm and compact to 93% MOD AASHTO
- Selected layers backfilled in 150mm layers as required with G3 material compacted to 95% MOD AASHTO @ OMC
- 150mm sub-base layer G3 material compacted to 95% MOD AASHTO @ OMC
- 150mm base course G3 material compacted to 98% MOD AASHTO @ OMC
- 30mm pre-mix

The main access road to the offices and workshop area shall be off the Provincial road (R35) and shall be built to the following specifications:

- Remove 150mm topsoil to topsoil stockpile
- Removal of unsuitable material to spoil
- Scarify in-situ material to 150mm and compact to 93% MOD AASHTO
- Selected layers backfilled in 150mm layers using G7 material compacted to 95% MOD AASHTO @ OMC.
- 150mm sub-base layer G5 material compacted to 95% MOD AASHTO @ OMC
- 150mm base course G3 material compacted to 98% MOD AASHTO @ OMC
- Double seal surfacing.

An allowance is made to replace the backfill layers with dump rock to provide a pioneer layer in wet conditions to the following specification:

- 500mm minimum thick layer of selected dump rock compacted by method specification (Note – detailed method specification to be reported on following completion of the geotechnical report).
- All road signage and marking shall be provided.

4.2 Internal access roads

A 4m wide gravel roads is provided to the ventilation shafts, consumer substation and dirty water dam it will generally comprise the following specification:

- Remove 150mm topsoil to topsoil stockpile
- Remove loose material to stockpile
- Scarify in-situ material to 150mm and compact to 93% MOD AASHTO
- Backfill with G7 material from stockpile in 150mm layers compacted to 95% MOD AASHTO @ OMC
- 150mm wearing course, G5/ slag mix (in ratio to be determined) material compacted to 98% MOD AASHTO @ OMC

Provision is made to replace the backfill layers with dump rock to provide a pioneer layer in wet conditions to the following specification:

- 500mm minimum thick layer of selected dump rock compacted by method specification (Note – detailed method specification to be reported on following completion of the geotechnical report).

A 4m wide gravel access road shall be provided along the overland conveyor route and is built to the following specification:

- Remove 150mm topsoil to topsoil stockpile
- Scarify in-situ material to 150mm and compact to 90% MOD AASHTO
- Backfill 250mm layer G7 material compacted to 93% MOD AASHTO @ OMC
- 150mm wearing course, G5/ slag mix (in ratio to be determined) material compacted to 95% MOD AASHTO @ OMC

In wet conditions, an allowance shall be made to provide dump rock in lieu of the removal of topsoil and unsuitable material below the 800mm dump rock layer, to the following specification:

- 500mm minimum thick layer of selected dump rock compacted by method specification (Note – detailed method specification to be reported on following completion of the geotechnical report)

4.3 Brake test ramp

Equipment used for construction is similar to that used in road building.

A brake test ramp to test the brakes of personnel carriers and other service equipment is provided at the entrance to the incline shaft. It is designed to have an incline of 8 degrees

(same as incline shaft). The surface of the ramp will be concrete lined on a layered surface similar to the main access road.

5 FENCING

Equipment used for erecting fences includes:

- LDV
- TLB
- Auger mounted on tractor

Generally a fence is constructed by erecting down posts at regular interval along the fence route. A suitable hole is drilled within which the base of the post is encased in concrete. Once the posts are erected then stringers and fencing is attached which is largely a manual operation.

5.1 Security fencing

Around the shaft complex provision is made for a 2.4 m high, galvanised security fence with flat wrap razor wire top and bottom in conjunction with electrification using 21 strands of 1mm stainless steel conductor wire.

A fence similar to that used above, but excluding electrification will be erected around the dirty water dam and water treatment plant.

5.2 Stock fencing

Stock fencing is provided on both sides of the main access road, the conveyor servitude and the incline shaft.

6 MINE INFRASTRUCTURE BUILDINGS AND FACILITIES

All amenity buildings shall be founded on conventional raft slabs situated on engineered terraces. 1m wide aprons are provided around the perimeter of each building. Ring beams are provided to cater for seismic activity.

Amenity buildings and facilities include:

- Guard House – This is a small brick building with concrete apron and drains.
- Fuel bay – This has mechanical dispensing equipment mounted on a bunded concrete slab sloped toward concrete drains which report to an oil trap.
- Wash bay – This is similar to Fuel bay.
- Sub-station/mini sub-station and MCC – Substation is a steel frame and brick infill
- Workshop – Steel frame and brick infill.
- Fire water storage tanks and pump station. Tanks are steel Braithwaite design and pump station is a brick building.
- Stone dust silo (by others).
- Continuous Miner water storage tank and pump station. Similar to Fire control

Equipment used in the construction includes:

- Front end loaders, TLB's
- Graders
- Tip trucks
- Concrete Mixers and dumpers

7 TERRACES

Equipment used on terrace construction includes:

- Front end loaders
- Dump trucks
- Graders
- Compactors/rollers
- Water bowsers
- Drilling machines (where required) and blasting

All terraces shall be constructed as follows:

- Remove 150mm topsoil to berms or stockpile
- Remove additional 300mm unstable material
- Place 2 x fill layer of G7 material compacted to 95% MOD AASHTO at OMC

In wet conditions, unstable material is replaced with dump rock compacted to specifications.

8 INCLINE SHAFT

8.1 Excavation

Machinery used for the portal excavation and construction will include:

- Excavators, Scrapers, Front end loader and dump trucks
- Portable drilling equipment
- Shuttering
- Concrete mixer trucks
- Compactors/rollers
- Water bowsers

The open cut for the portal shall be excavated to ensure slope stability by the provision of benches and appropriate wall slopes based on the properties of the in-situ material. In the



upper bench where the material is incompetent a slope of 1:15 will be excavated and in the lower benches a 70% slope will be excavated.

The access ramp shall be set along an 8° incline and terminate at the portal which shall be so that there is approximately 5m of reasonable competent material above the portal hanging wall.

The shaft conveyor will be designed by others and founded on the footwall using conventional methods.

8.2 Portal

A concrete portal shall provide rock support at the interface between the open cut and the underground workings where a higher degree of shattering can be expected. The need for and length of the portal will be determined by the rock mechanic and geotechnical engineer on site once the face has been exposed.

8.3 Shaft Access Ramp

At the entrance to the shaft area, the road will comprise a concrete slab to accommodate the loading conditions within the loading/off-loading area.

9 VENTILATION SHAFTS

9.1 Up-cast shaft

An up-cast shaft reinforced collar shall be provided and founded on suitable founding conditions as identified on the borehole log.

9.2 Down-cast shaft

A downcast shaft reinforced concrete collar shall be provided with and founded on suitable founding conditions as identified on the borehole log.

9.3 Ventilation fans

The fan foundations shall comprise of large conventional reinforced concrete foundations founded on suitable in-situ founding material or engineered backfill depending on final location and local founding conditions.

Machinery used is similar to equipment listed in the Incline shaft,

10 UTILITY SERVICES - WATER AND SEWAGE RETICULATION AND STORAGE

Treated water will be stored in a to 10kl tank supplying the guard house and workshop.

Pressure will be maintained via two booster pumps, one operational and one standby. Water will be supplied via a bowser with water collected from Simunye.



Sewage reticulation will serve the guard house and workshop and gravitate to a concrete and brickwork conservancy tank. The conservancy tank contents will be emptied fortnightly by municipal tanker.

Construction equipment required will include:

- Front end loader and dump trucks
- Shuttering
- Concrete mixer trucks
- Compactors/rollers
- Water bowsers
- Concrete Mixers and dumpers

11 FIRE WATER SUPPLY STORAGE, PUMPING AND RETICULATION

An engineered terrace is provided for the fire water tanks and pump station. The tanks and pumps are provided by a specialist company.

Construction equipment required includes:

- Front end loader
- Tip trucks
- Compactor/roller
- Grader
- Shuttering
- Concrete mixer trucks
- Water bowsers
- Concrete Mixers and dumpers

The overland conveyor is required to have sufficient fire water to fight any fire at one of the transfer points and the flow rates and piping reticulation is designed to cater for strategically placed fire hydrants and deluge systems as required. This arrangement complies with Anglo Coal, ACSA SPECIFICATION 1/2009, FIRE PROTECTION STANDARDS.

Two adjacent fire water tanks with a combined capacity of 840kl and a pump station (by others) are provided as one unit. This unit is strategically positioned in close proximity to the transfer point (transfer bin) which require the most pressure and flow to deal with a fire (deluge system).

The fire water tanks are filled from the water treatment plant at Brown Shaft 2 via a pipeline with two pumps, one operational and one standby.

In the event of a fire at a transfer points, water for the hydrants and or deluge systems shall be provided by the fire pump station.

The pump station at the fire water tanks comprises a jockey pump (15kW), an electrically driven pump which can supply the required amount of water to quench the fire and a similar pump driven by a diesel engine in the event of a power failure.

The jockey pump runs intermittently to keep the fire water reticulation along the conveyor under constant pressure. It is stopped and started by a pressure sensor in the pipeline.

In the event of a fire, the deluge system is triggered or a hydrant is opened which will result in a large pressure drop in the pipeline. This pressure loss will trigger a pressure sensor which, in turn, will activate the electrically driven pump. If this pump does not start up, the diesel driven pump will start up automatically.

The main electric pump may run to destruction when the fire water tanks have emptied unless it is switched off manually at the control panel. The potable water pumping system delivering water to the 160mm diameter pipeline will take 36 hours to recharge the tanks from empty...

During this time the fire water pumps should be repaired and tested.

12 STORM AND DIRTY WATER MANAGEMENT

Construction equipment required includes:

- Front end loader
- Tip trucks
- Compactor/roller
- Grader
- Shuttering
- Concrete mixer trucks
- Water bowsers
- Concrete Mixers and dumpers

In terms of legislation polluted and clean water run-off must be kept separate. Run-off water from areas such as the Security guard is deemed to be clean and as such this water can be discharged into the natural water courses.

Run-off water from the workshop, wash bay and fuel bay is deemed to be dirty and will report in concrete lined drains to a silt trap upstream of a lined dirty water dam.

Clean water drains are generally gravel surfaced, however, drains with gradients exceeding 1:50 will be concrete lined to prevent erosion. A system of berms and drains divert clean water away from the 'dirt water' areas and discharge into the nearest natural water courses. All drains and cut off berms are grassed with Hydro seeding to prevent erosion.

Deflection drains and berms have been designed in accordance with the Department of Water Affairs BPG A4 and GN704 for pollution control dams.

13 DIRTY WATER MANAGEMENT

13.1 Dirty Water Dam

Construction equipment required includes:

- Front end loader
- Tip trucks
- Compactor/roller
- Grader
- Shuttering
- Concrete mixer trucks
- Water bowsers
- Concrete Mixers and dumpers

Refer to Flow Diagram 5275-0000-CED-0005.

All dirty water generated at workshop, fuel bay and wash bay will be directed in concrete lined drains via an oil trap and to a silt trap sited at the inlet to the Dirty Water Dam. Dirty water generated underground and storm water that accumulates in a sump at the bottom of the inclined shaft ramp will also be pumped to the Dirty Water Dam.

13.2 Pipelines

The following Pipelines convey dirty water:

South Shaft pipeline. This comprises of:

- 6800m long, 200mm diameter HDPE PE100 PN 16, buried pipeline, from the dirty water dam, located in the Brown Shaft 2 shaft complex area, to the existing monitoring borehole located approximately 3000m west of the existing South Shaft incline shaft.
- Strategically positioned air valves, gate valves and scour valves to evacuate air or isolate zones or assist in the maintenance of the pipeline. These valve fittings shall be housed in chambers constructed out of brick and mortar for security.
- A maintenance road shall be constructed adjacent to the pipeline to provide access for mine personnel to undertake routine inspections and undertake maintenance where required.



Bankfontein pipeline. This comprises of:

- 2880m long, 160mm diameter HDPE PE100 PN 18, buried pipeline, as well as a 1000m long 150mm diameter GMS pipe constructed above surface alongside the conveyor. Fittings will be as for the south shaft pipeline. The conveyor maintenance road will service the pipeline as well as the conveyor.

13.3 Construction Methodology - Pipelines

The pipelines shall be constructed using the following equipment;

- Front end loaders
- Dump trucks
- Excavators
- TLBs
- Compactors/rollers
- Water bowsers
- Drilling machines (where required) and blasting

The following personnel shall be employed by the contractor to construct the pipelines;

- Supervisors
- Foremen
- surveyors
- General labour
- Pipe layers
- Vehicle drivers
- Bricklayers

Construction Method

The following construction process will be implemented for the installation of the pipeline as stipulated below. The general assumptions regarding the trench excavations and fill material are:

- Open trench excavation will be limited to no more trenching than can be closed in two days;
- Imported excavated fill material will be minimised where possible.

The points below set out the basic construction process:

- The route will be marked and cleared of vegetation (4m width maximum).
- The topsoil will be removed and stockpiled for reuse later along the route.
- An access road will be constructed on one side of the pipe centreline or both depending on the situation;
- The pipe will be strung, welded, joints non-destructively tested and if necessary repaired then re-tested. (i.e. made completely ready for operation except for hydro testing);
- The pipeline trench will be excavated using an excavator, the design depth, will generally be 1.5m below natural ground level. Excavated material will be heaped on the side of the trench to limit water access into the trench and for reuse as backfill. The trench invert will be trimmed to line and level.
- A 150mm thick pipe bedding layer will be constructed at the base of the trench
- The Pipe will be lowered into the trench;
- The trench will be backfilled in 150mm layers to natural ground level;
- Where ground water is encountered, the trench invert level will be sloped to a low point to facilitate drainage and installation of a temporary pump which will pump accumulated water.
- At the end of each working day it is likely that a short section of open trench will remain. This is unavoidable. The trench will be cordoned off and barricaded to ensure zero harm to by-passers etc...
- Where the pipeline crosses water courses, this shall be undertaken during periods where no rainfall is anticipated. Depending on the width, trenching may be undertaken in phases to ensure that water running within the water course may be diverted away from any trenching. Also gabion mattresses will be used to reduce erosion.



14 MAINTENANCE REQUIREMENTS DURING OPERATION

The withdrawal conveyor from Brown shaft 2 to is approximately 1.3km long and feeds into a transfer bin. A second conveyor, approximately 2km long, is fed from the transfer bin and delivers coal to the overland conveyor from South shaft.

These conveyors run in a servitude which is generally 25m wide.

Within the servitude the transfer bin is located on a dedicated terrace which accommodates a bunded concrete foundation. Wash down silt drains into a sump from which a submersible pump delivers dirty water to the Dirty Water Control Dam and Brown Shaft 2.

Culverts at right angles to the conveyor shall be provided to ensure storm water passes under the conveyor from the high side to the low side.

Apart from maintenance to the conveyor flights themselves, the conveyor servitude includes V drains and culverts at strategic points along the conveyor which will require cleaning and maintenance.

Vegetation within the servitude shall need to be cut or cleared regularly, particularly in the winter season to prevent the occurrence of fire which could destroy the conveyor. Strategically placed fire breaks shall also need to be maintained.

Within the servitude and along most of its entire length, a 4m wide gravel maintenance road is provided to give maintenance crews access to the conveyor. This road will need regular grading and watering to suppress dust. Every five years this road will need to be re-graveled.

The servitude shall be totally enclosed with stock fencing with access gates at the transfer bin. This fence will need regular inspection for damage and deterioration and repairs as required.

It is proposed that all the above maintenance, inspection and cleaning be considered as a package for an outside contractor. Alternatively, the mine will need to supply appropriate labour and vehicles for the task.

14.1 Conveyor Servitude components and frequency of maintenance

Fire breaks

The most important task within and outside the servitude is to maintain proper fire breaks along the inside and outside of the fence enclosure, particularly in winter. Clearing outside of the fence will require permission from the farm owner where land is not owned by the mine.

The minimum width of the fire break should be at least the width of the grader blade or 3m.

This entails regular cutting and clearing of grass and vegetation with a grader, industrial lawn mower and hand held weed eater. In addition, "environmentally friendly" weed killer should be applied to surfaces.



It is also important to keep the servitude, as a whole, free of vegetation particularly under the conveyor.

If a contractor is tasked with this function *it is important that a Mine official be responsible for regular, daily inspection of the Servitude to ensure that the work is being done to standard.*

Gravel maintenance road

The gravel maintenance road, which generally runs parallel to the conveyor within the servitude, will require continual grading and watering using a grader and water tanker.

The unsealed road which is 4m wide and approximately 3.3km long is susceptible to rapid deterioration as a result of loss of wearing course material and damage from water. According to "*Unsealed Roads Manual – Guide to good practice*", the main objectives of maintaining the roads are:

- Provide a good riding surface
- Minimize safety hazards to traffic
- Provide a free draining surface to the formation

To achieve these, maintenance must be adapted to the physical condition of the pavement, traffic volume and vehicle type. Regular preventive maintenance to the road is therefore essential.

Preventive maintenance is categorised as follows:

- Routine – comprising light grading to smooth road surfaces to restore crossfall and clearing of blocked drains and culverts.
- Periodic – comprising re-gravelling, re-compacting and reshaping the cross section and restoring the drainage system.

It is important when undertaking re-gravelling to achieve proper compaction of the freshly placed aggregate. It is essential that the depth of aggregate, when compacted is about twice as thick as the largest particle size.

Depending on the traffic, the road will most likely need to be resurfaced every four to five years and provision should be made for this in the 5 year working cost suspense budget.

The entire length of road should be watered with the tanker during winter to ensure adequate dust suppression. This should be monitored to determine the frequency of watering required. Water for dust suppression will be supplied from the evaporation dams as a first priority at each transfer terrace from a tanker filling stand provided for the purpose. However, if the dam is empty, water should be drawn from the Water Treatment Plant area.

Earth drains on the sides of the road need to be maintained at all times and vegetation cut to minimize restriction to water flow.

14.2 Pipeline reticulation and pump stations

Buried and surface pipelines in the servitude and in the mine infrastructure require periodic inspection of the fitted air valves, scour valves, isolation valves and non-return valve which are essential for the proper functioning of the system.

Scour valves are essential for removing sediment in the pipelines on a regular basis to keep the pipeline clear and to drain portions of the pipeline for maintenance in the event of a breakdown.

Isolation valves are also essential for isolating portions of pipeline for the repair or replacement of air valves.

Proper maintenance and safety procedures should be issued by the mine to maintenance staff when repairing valves and pipelines since the reticulation is a pressurized system and entering manholes can be dangerous.

Pump stations, particularly the Fire Water pump station should be regularly inspected and the pumps tested. Provision is made in the design of the Fire Water Pump station to test the main pumps which normally operate only in the event of a fire. Access to pump stations, particularly the Fire Water Pump Station should be by a nominated person who has the access key.

14.3 Dirty Water Management

Silt traps drying bed and oil trap cleaning

There is a two-compartment drive in silt traps upstream of the Dirty Water Dam.

It is likely that each of the two compartments of the silt trap will need to be cleaned out of silt every second week or as determined during inspections.

This will be carried out with an appropriately sized front loader and the wet silt will be loaded onto an adjacent drying bed provided for this purpose.

The drying bed itself will need to be cleaned of the dried out silt on a regular basis.

There is an oil trap which services the workshop, fuel bay and washing bay. It is recommended that a contract be put in place with a specialist to remove oil from the oil trap to ensure that the oil traps are operation efficiently. This inspection needs to be done frequently to ensure oil does not overspill into the system.

Dirty Water Control Dam

The Dirty Water Control Dam will need to be cleaned of silt at least once every two years. However, the water and silt levels need to be monitored monthly and should these levels be high, urgent action needs to be taken to drain the water and clean out the silt.

Because the evaporation dam is earth and HDPE lined, the cleaning of silt, if the dam is dry, will need to be done by hand and carefully supervised to ensure the lining is not ruptured.



If the dam has water in it, accumulated silt can be pumped out with a submersible pump.

The silt should be put out to dry on the drying bed and later disposed of onto the nearest conveyor.

THE CO-ORDINATE SYSTEM USED ON THIS DRAWING IS
GAUSS CLARK Lo 29° EAST
ELLIPSOID - CLARKE 1880 MODIFIED
CAPE DATUM

DUMP ROCK COMPACTION SPECIFICATION

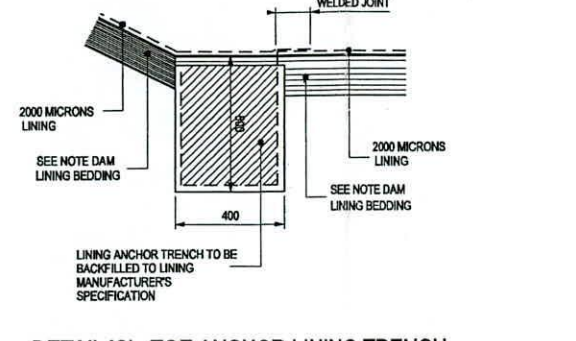
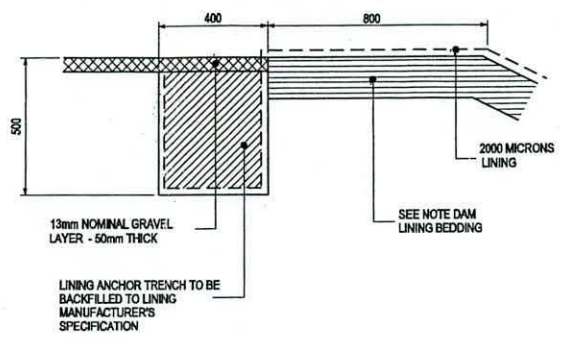
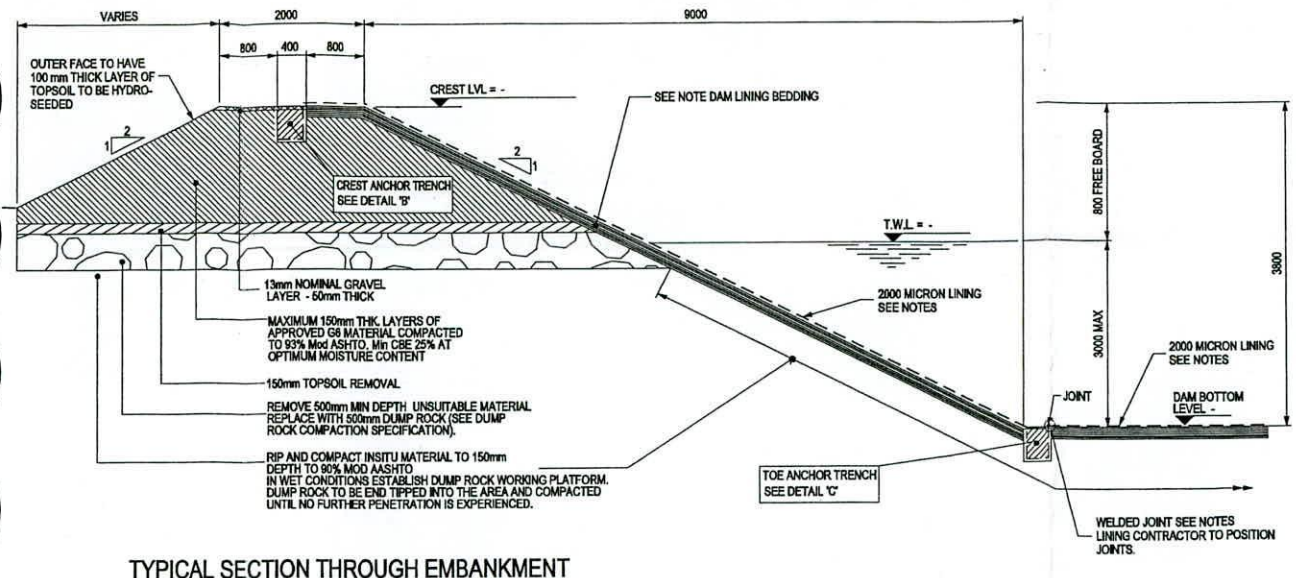
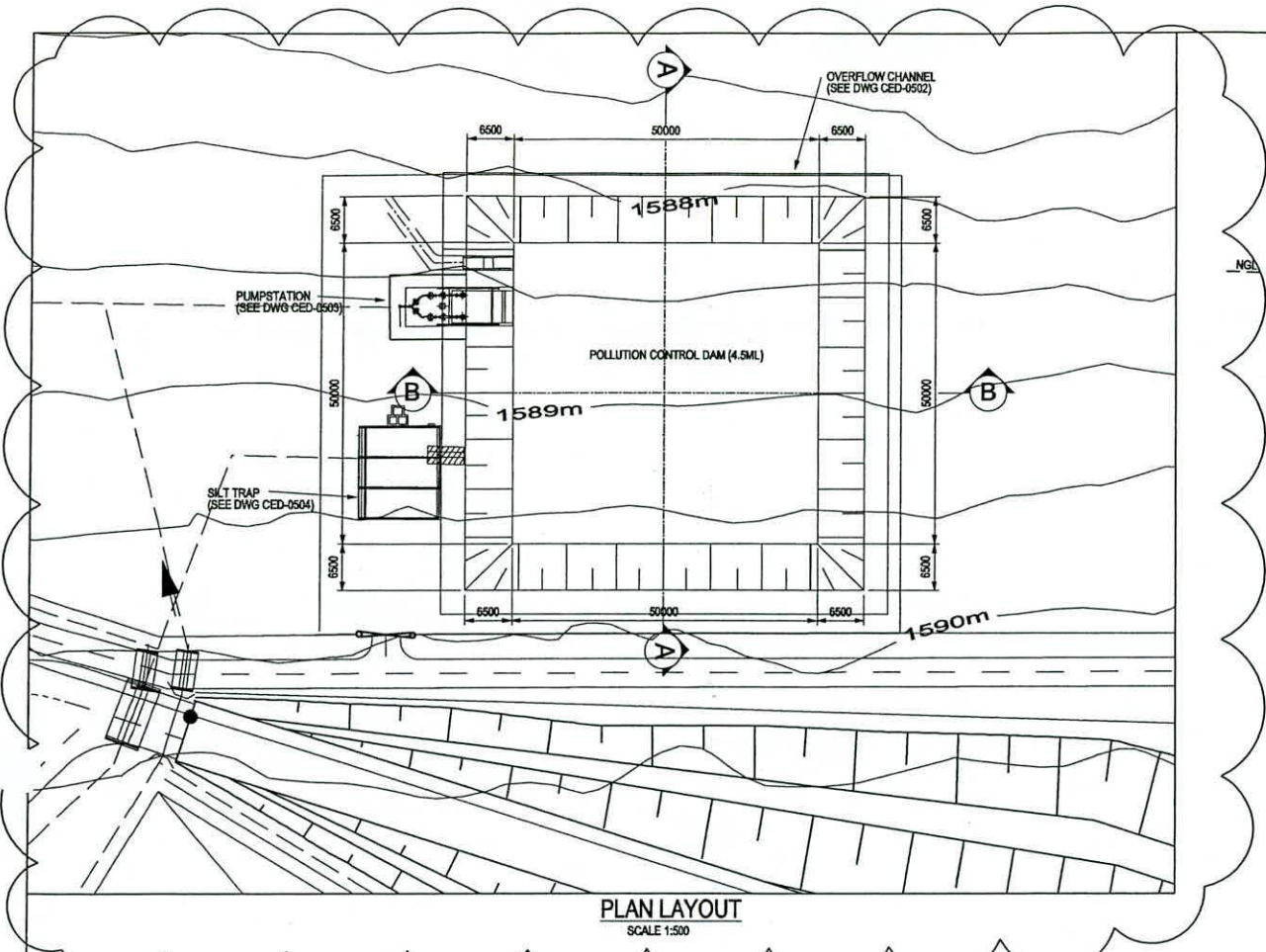
1. THE ROCK FILL SHALL BE SELECTED DUMP ROCK APPROVED BY THE ENGINEER.
2. THE MAXIMUM SIZE OF THE ROCK SHALL NOT BE MORE THAN TWO THIRDS OF THE LAYER THICKNESS.
3. THE ROCK FILL SHALL BE OFF-LOADED BY THE END LOADING METHOD. THE MATERIAL SHALL BE SPREAD AND LEVELED SO AS TO EVENLY MIX ROCK SIZES. DURING THIS PROCESS WATER MAY ALSO BE SPRAYED OVER AND MIXED INTO THE MATERIAL. THE AMOUNT OF WATER SHALL BE DETERMINED BY COMPACTION TRIALS ON SITE TO GIVE THE BEST COMPACTION.
4. THE LAYER THICKNESS SHALL NOT EXCEED 500mm
5. COMPACTION USING A MINIMUM 20t VIBRATING ROLLER

NOTES:
 1. CONTRACTOR TO DETERMINE COMPACTION EFFORT BY TRIALS AND BY SURVEYING LAYERWORKS AT INCREASING COMPACTION EFFORT TO DETERMINE MINIMUM EFFORT REQUIRED.

THE DUMP ROCK FILL WILL HAVE A MINIMUM PROPORTION OF 25% FINES (i.e. PARTICLES SMALLER THAN 50mm)

THE MINIMUM NUMBER OF PASSES SHALL BE DETERMINED ON SITE BY MEASURING SETTLEMENT VERSUS NUMBER OF PASSES. THE NUMBER OF PASSES CARRIED OUT TO REDUCE THE SETTLEMENT BETWEEN PASSES TO THE LESSER OF 2.5mm OR 0.5% OF THE LAYER THICKNESS WILL BE THE MINIMUM NO. OF PASSES.

2. DETAILED BACKFILLING METHOD STATEMENT TO BE PROVIDED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.

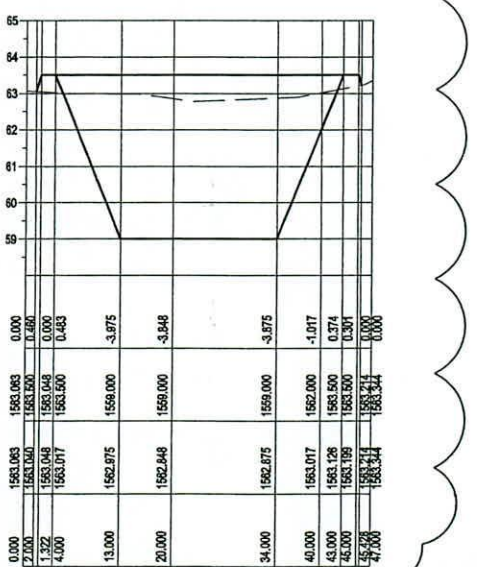


HOLD 1

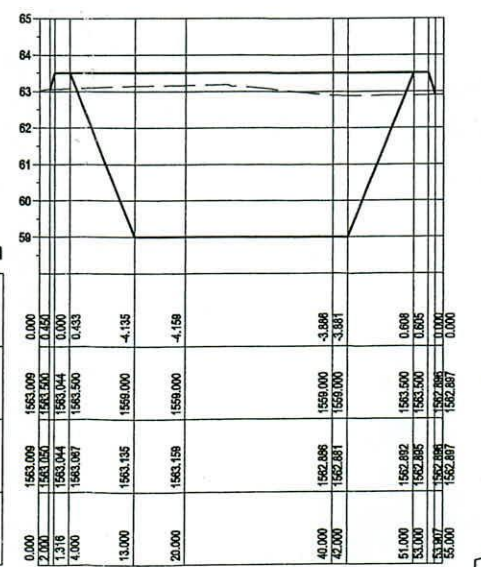
HOLD 1

HOLD 1

TYPICAL SECTION A-A
 DAM TERRACE LEVEL
 NATURAL GROUND LEVEL
 SCALES:
 Horizontal 1:500
 Vertical 1:100
 Datum : 1558 m



TYPICAL SECTION B-B
 DAM TERRACE LEVEL
 NATURAL GROUND LEVEL
 SCALES:
 Horizontal 1:500
 Vertical 1:100
 Datum : 1558 m



NOTE
 LEVELS TO BE FINALISED ONCE DAM POSITION IS CONFIRMED

DAM LINING BEDDING LAYER
 100mm LAYER OF SELECTED GRAVEL COMPACTED TO 93% MOD AASHTO. GRAVEL TO BE FREE OF STONES AND SHARP OBJECTS.

LINING NOTES
 1. MATERIAL DESCRIPTION LINING TO COMPLY WITH SABS 1526-1991 AND TO BE AQUATAM HD LINING OR SIMILAR APPROVED AND SHALL CONSIST OF SUITABLE COMPOUNDED HIGH DENSITY POLYETHYLENE THICKNESS : 2000 MICRONS
 2. JOINT INFORMATION ALL JOINTS TO BE WATER TIGHT AND THE MATERIAL JOINED TOGETHER USING A CONTINUOUS EXTRUSION FUSION OR ELECTRIC WEDGE WELDING SYSTEM TO ENSURE A TOTALLY INTEGRATED HOMOGENEOUS JOINT. JOINTING TO BE IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS & SABS 1626-1991.

GOEDHOOP OVERALL LAYOUT	CED-0001
TITLE	DRG No

REFERENCES			
ISSUED FOR ENVIRONMENTAL APPROVAL	A	03/10/12	S.R.
DETAIL	MARK	DATE	INIT APP'D

REVISONS			
No	DESCRIPTION OF HOLDS	ADDED	REMOVED
1	LEVELS TO BE CALCULATED ONCE FINAL POSITION CONFIRMED	03/10/12	

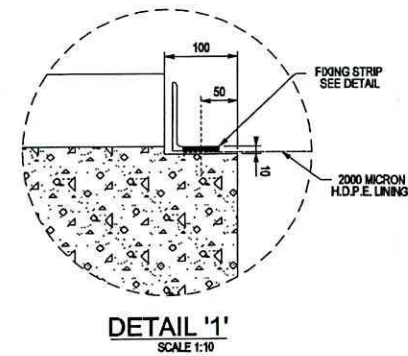
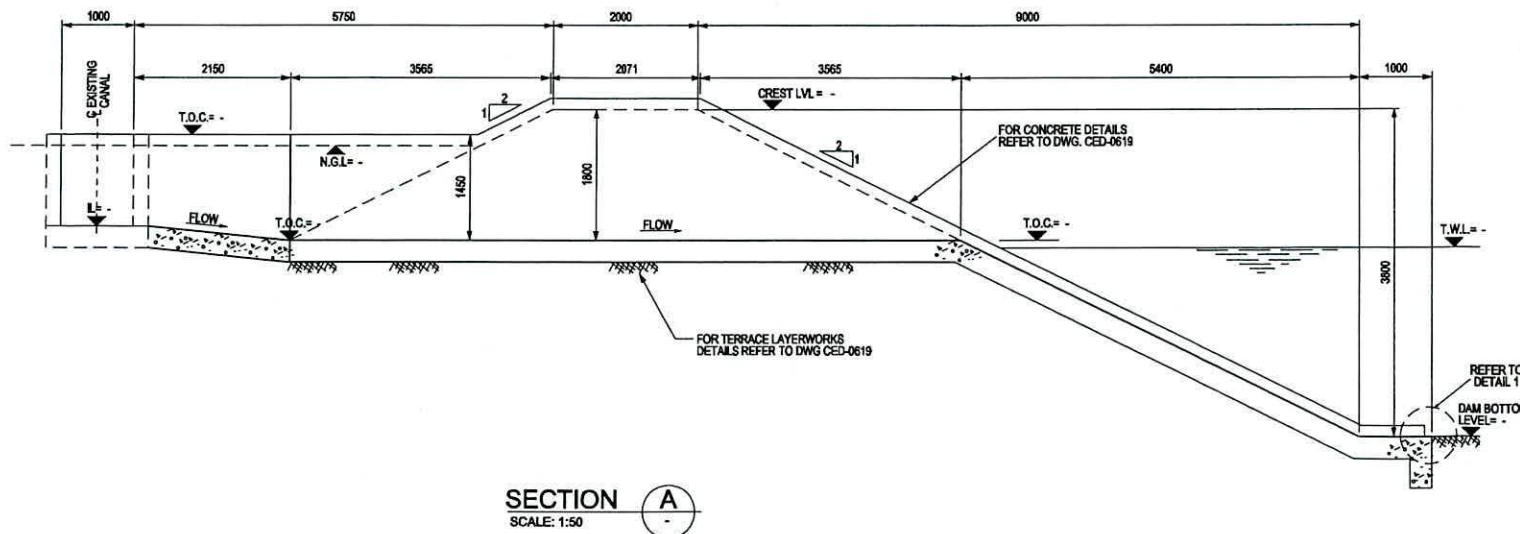
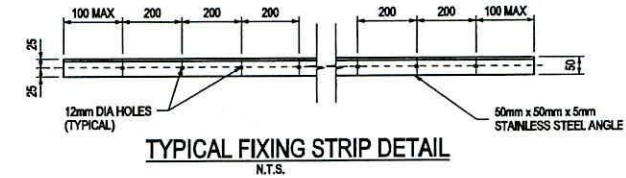
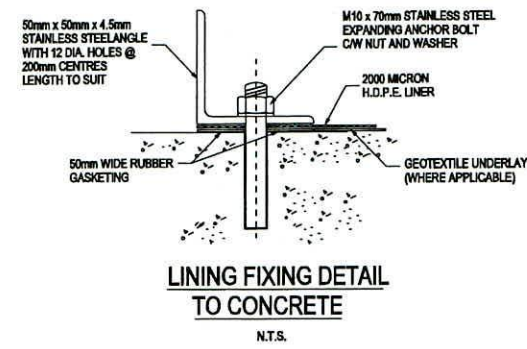
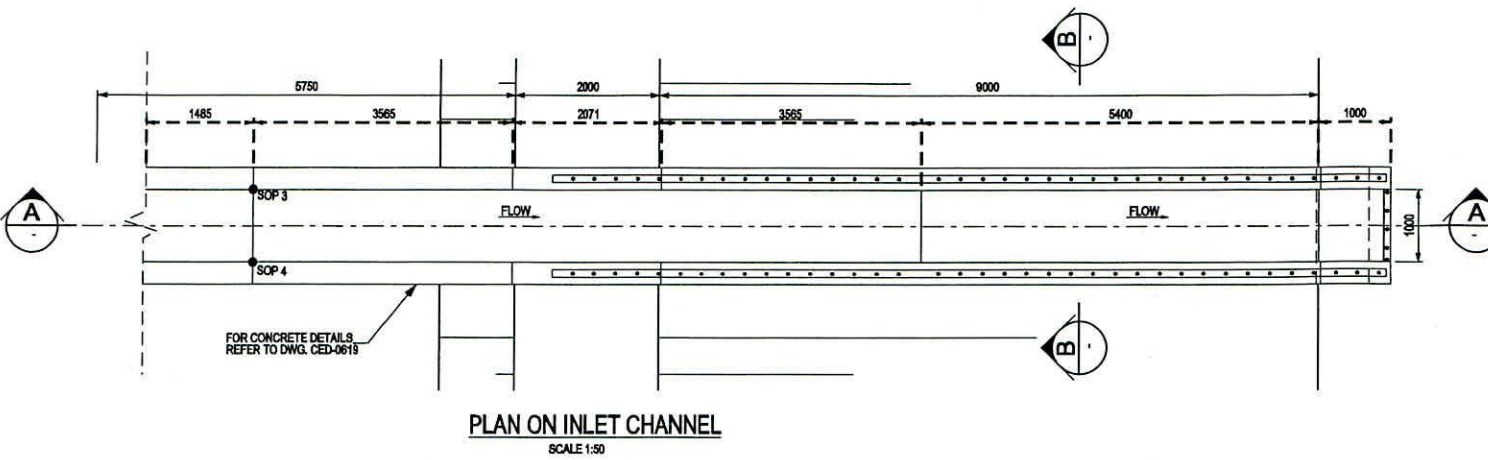
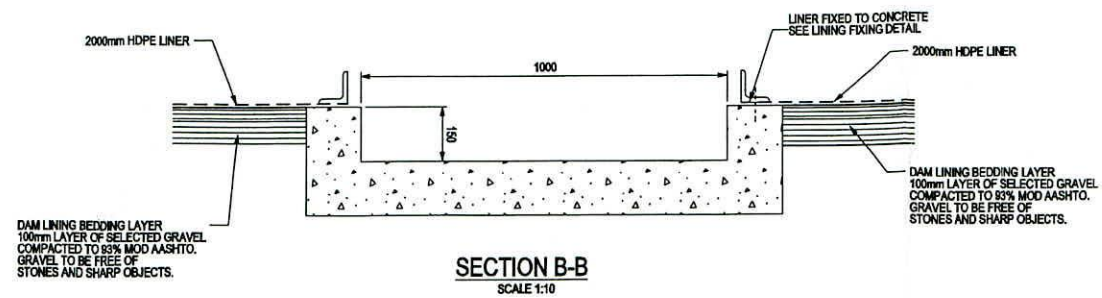
HOLDS

semane
 SEMANE CONSULTING ENGINEERS (PTY) LTD
 1st Floor, 88 Marshall Street, Johannesburg, 2001
 PO Box 61950, Marshalltown, 2107
 Republic of South Africa
 Telephone No: 011 891-1600
 Facsimile No: 011 833-1039
 email: corporate@semane.co.za
 website: www.semane.co.za

SEMANE DRG. No. 102-GHP-144-RS0500

APPROVED BY		CONS-APPROVAL		NAME	DATE	SIGNATURE	MINE - NOTED	NAME	DATE	SIGNATURE	ANGLO - NOTED	NAME	DATE	SIGNATURE	COMPANY	GOEDHOOP COLLIERY - 5275	COPYRIGHT	
DESIGNED BY		DRAWN	S.RASP1		01.10.2012	S.R.	PROJECT MANAGER				HEAD OF ENG.				PROJECT	BROWN SHAFT 2 - FEASIBILITY	SCALE:	AS SHOWN
		CHECKED					ENGINEERING MANAGER				REGIONAL ENG.				AREA	SURFACE	ORIGINAL	A1
		DESIGNED	C.MAYERS		01.10.2012	C.M.	PROJECT ENGINEER				MECH ENGINEER				LOCATION	INFRASTRUCTURE	DRG. SIZE	A1
		PROJ. ENGINEER					PROCESS MANAGER				ELEC. ENGINEER				JOB	POLLUTED WATER	SHEET	1 OF 1
		PROJ. MANAGER					SECTION ENGINEER				C & I ENGINEER				TITLE	POLLUTION CONTROL DAM (4.5ML)		
		PR. ENG.					CONSTR. MANAGER				CIVIL ENGINEER				LAYOUT AND TYPICAL DETAILS			
		PR.ENG. No.									METALLURGIST							

THE CO-ORDINATE SYSTEM USED ON THIS DRAWING IS
GAUSS CONFORM Lo 29° EAST
ELLIPSOID - CLARKE 1880 MODIFIED
CAPE DATUM



GOEDEHOOP OVERALL LAYOUT	CED-0001
TITLE	DRG No

REFERENCES				
ISSUED FOR ENVIRONMENTAL APPROVAL	A	03/10/12	S.R.	
DETAIL	MARK	DATE	INIT	APPYD

REVISIONS				
No	DESCRIPTION OF HOLDS	ADDED	REMOVED	
1	LEVELS TO BE CALCULATED ONCE FINAL POSITION CONFIRMED	03/10/12		

HOLDS

SEMAME CONSULTING ENGINEERS (PTY) LTD
 1st Floor, 88 Marshall Street, Johannesburg, 2001
 PO Box 61950, Marshalltown, 2107
 Republic of South Africa
 Telephone N°: 011 891-1600
 Facsimile N°: 011 833-1039
 email: corporate@semame.co.za
 website: www.semame.co.za

APPROVED BY		CONS-APPROVAL	NAME	DATE	SIGNATURE	MINE - NOTED	NAME	DATE	SIGNATURE	ANGLO - NOTED	NAME	DATE	SIGNATURE
DESIGNED BY		DRAWN	S.RASPI	02.10.2012	S.R.	PROJECT MANAGER				HEAD OF ENG.			
		CHECKED				ENGINEERING MANAGER				REGIONAL ENG.			
		DESIGNED	C.MAYERS	02.10.2012	C.M.	PROJECT ENGINEER				MECH ENGINEER			
		PROJ. ENGINEER				PROCESS MANAGER				ELEC. ENGINEER			
		PROJ. MANAGER				SECTION ENGINEER				C & I ENGINEER			
		PR. ENG.				CONSTR. MANAGER				CIVIL ENGINEER			
		PR.ENG. No.								METALLURGIST			

COMPANY: GOEDEHOOP COLLIERY - 5275
 PROJECT: BROWN SHAFT 2 - FEASIBILITY
 AREA: SURFACE
 LOCATION: INFRASTRUCTURE
 JOB: POLLUTED WATER
 TITLE: POLLUTION CONTROL DAM (4.5ML)
 INLET CHANNEL LAYOUT AND DETAILS

DRG No. 0275-0291-CED-0501

COPYRIGHT

SEMAME DRG. No. 102-GHP-144-RS0501

COPYRIGHT

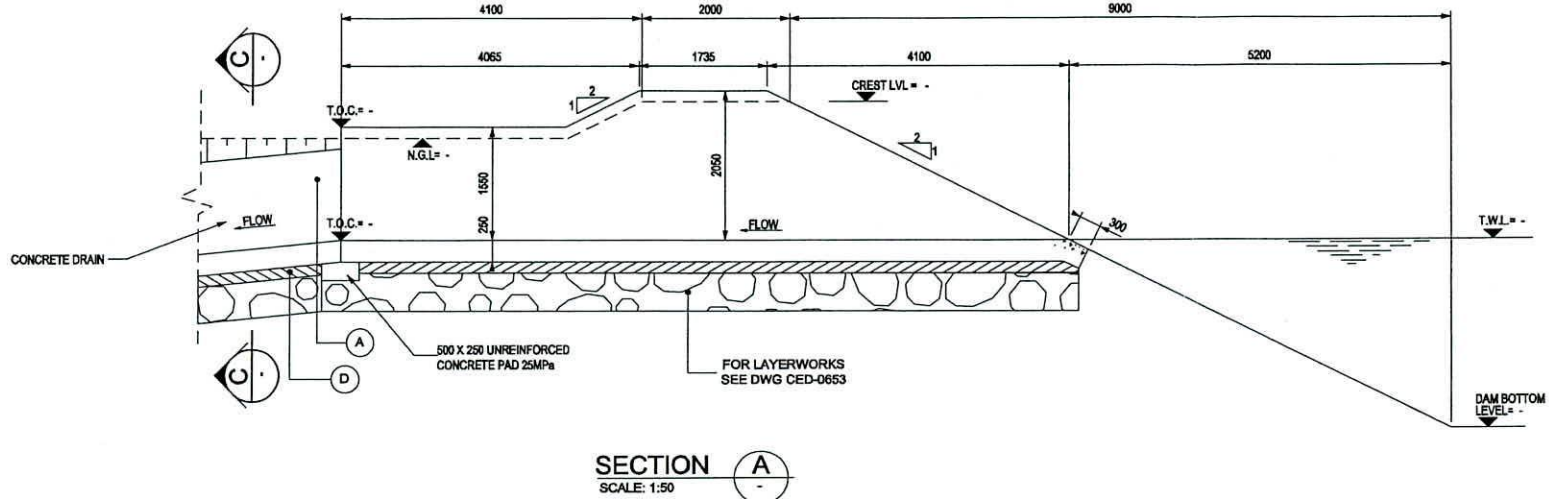
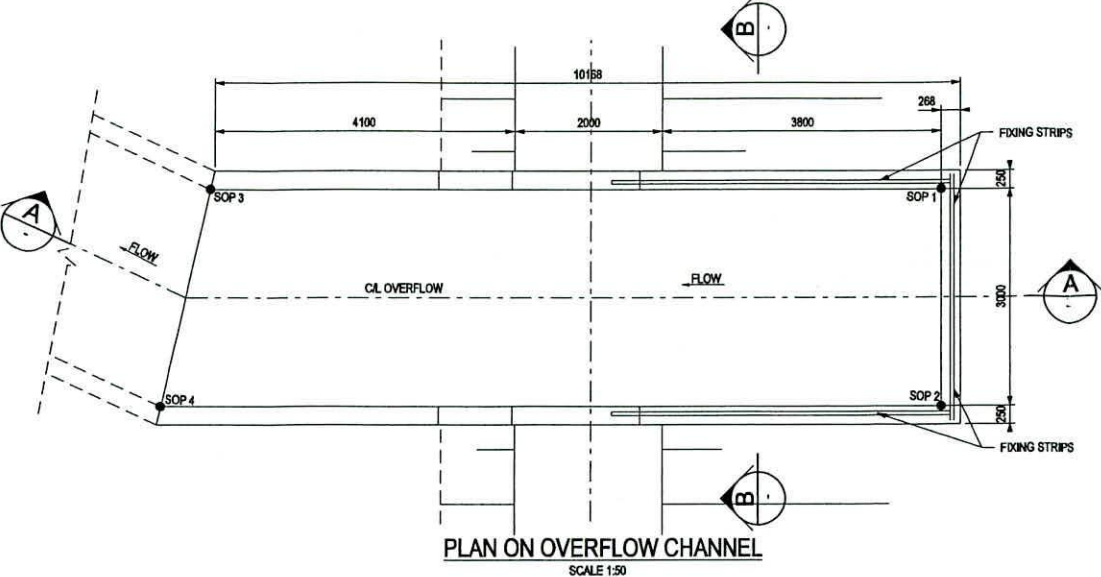
SCALE: AS SHOWN

ORIGINAL DRG. SIZE: A1

SHEET 1 OF 1

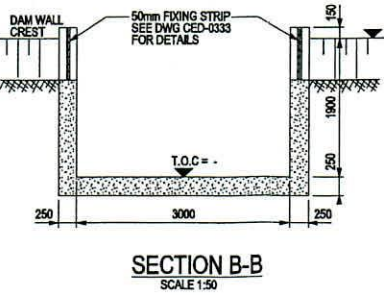
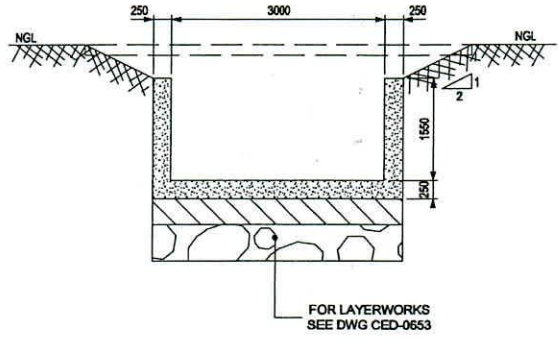
REV. A

THE CO-ORDINATE SYSTEM USED ON THIS DRAWING IS
GAUSS CONFORM Lo 29° EAST
ELLIPSOID - CLARKE 1880 MODIFIED
CAPE DATUM



NOTE:
 ALL UNPROTECTED EXCAVATION SLOPES
 TO BE TOPSOILED AND HYDROSEEDED

**FOR REINFORCING
 DETAILS REFER TO DWG. - T.B.A**



GENERAL NOTES:

- GENERAL**
 1.1 ALL WORK TO BE IN ACCORDANCE WITH S.A.N.S. 1200 CIVIL ENGINEERING SPECIFICATIONS.
- CONCRETE**
 2.1 CONCRETE TO BE "STRENGTH CONCRETE" AS SPECIFIED BELOW UNLESS OTHERWISE NOTED.
 MASS CONCRETE GRADE 10/38
 BLINDING CONCRETE GRADE 10/19
 ALL STRUCTURAL CONCRETE GRADE 35/19
 2.2 50mm THICK BLINDING TO BE PROVIDED UNDER FOUNDATIONS.
 2.3 50mm THICK BLINDING OR 250 MICRON PVC SHEETING IN ACCORDANCE WITH S.A.N.S. 952 - 1985 TYPE C TO BE PROVIDED UNDER ALL GROUND SLABS. PVC SHEETING SHOULD GENERALLY BE USED UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER FOR COMPLEX AND/OR HEAVILY REINFORCED SLABS.
- FORMED AND UNFORMED SURFACES**
 3.1 FORMWORK TO BE CLASSIFIED AS SPECIFIED BELOW UNLESS OTHERWISE NOTED.
 "ROUGH" WHERE FACE IS NOT EXPOSED
 "SMOOTH" WHERE FACE IS EXPOSED
 SMOOTH FORMWORK TO EXPOSED FACES TO BE CARRIED DOWN TO 150mm BELOW ADJOINING FINAL GROUND OR PAVING LEVEL.
 3.2 ARRISSES TO BE CHAMFERED 20 x 20mm.
 3.3 EXPOSED UNFORMED SURFACES AND SURFACES TO RECEIVE GROUT TO BE "WOOD FLOAT FINISH" UNLESS OTHERWISE NOTED.
- FOUNDING MATERIAL**
 4.1 THE MINIMUM DESIGN BEARING PRESSURE FOR FOUNDATIONS IS 100 kPa UNLESS NOTED OTHERWISE.
 4.2 FOR GEOTECHNICAL INFORMATION REFER TO SEMANE REPORT No. 102/SCE/124/134
- CAST IN ITEMS AND GROUTING**
 5.1 CAST IN ITEMS TO BE SUPPLIED BY CIVIL CONTRACTOR UNLESS OTHERWISE NOTED.
 5.2 GROUTING UNDER BASE PLATES TO BE DONE BY CIVIL CONTRACTOR UNLESS OTHERWISE NOTED.

GOEDEHOOP OVERALL LAYOUT		CED-0001
TITLE	DRG No	

REFERENCES			
ISSUED FOR ENVIRONMENTAL APPROVAL	A	03/10/12	S.R.

REVISIONS			
No	DESCRIPTION OF HOLDS	ADDED	REMOVED
1	LEVELS TO BE CALCULATED ONCE FINAL POSITION CONFIRMED	03/10/12	

HOLDS

semane
 SEMANE CONSULTING ENGINEERS (PTY) LTD
 1st Floor, 88 Marshall Street, Johannesburg, 2001
 PO Box 61950, Marshalltown, 2107
 Republic of South Africa
 Telephone No: 011 891-1600
 Facsimile No: 011 833-1039
 email: corporate@semane.co.za
 website: www.semane.co.za

APPROVED BY		CONS-APPROVAL	NAME	DATE	SIGNATURE	MINE - NOTED	NAME	DATE	SIGNATURE	ANGLO - NOTED	NAME	DATE	SIGNATURE
DESIGNED BY		DRAWN	S.RASPI	02.10.2012	S.R	PROJECT MANAGER				HEAD OF ENG.			
CHECKED		CHECKED				ENGINEERING MANAGER				REGIONAL ENG.			
DESIGNED	C.MAYERS	DESIGNED	C.MAYERS	02.10.2012	C.M	PROJECT ENGINEER				MECH ENGINEER			
CIVIL CALCULATION FILE NO.	5270 - 0565	PROJ. ENGINEER				PROCESS MANAGER				ELEC. ENGINEER			
DESIGNED & APPROVED IN ACCORDANCE WITH S.A.N.S. 1200 CIVIL ENGINEERING SPECIFICATION AND AA SPECIFICATIONS WHERE APPLICABLE		PROJ. MANAGER				SECTION ENGINEER				C & I ENGINEER			
INFRASTRUCTURE ENGINEERING		PR. ENG.				CONSTR. MANAGER				CIVIL ENGINEER			
		PRE.ENG. No.								METALLURGIST			

AngloAmerican Thermal Coal

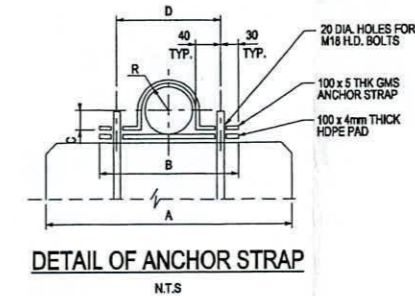
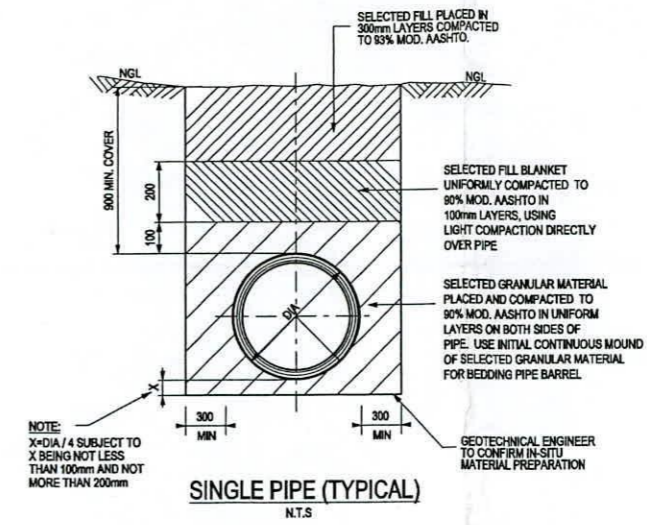
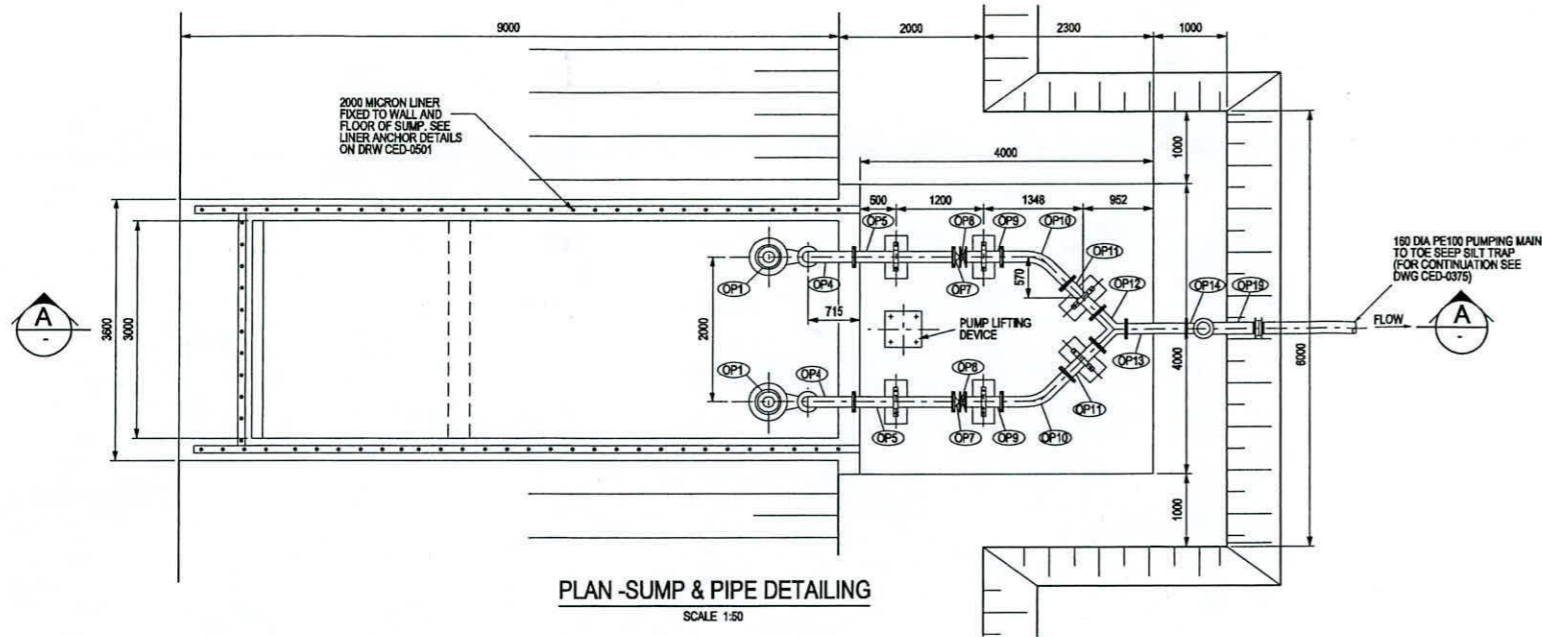
COPYRIGHT

COMPANY: GOEDEHOOP COLLIERY - 5275
 PROJECT: BROWN SHAFT 2 - FEASIBILITY
 AREA: SURFACE
 LOCATION: INFRASTRUCTURE
 JOB: POLLUTED WATER
 TITLE: POLLUTION CONTROL DAM (4.5ML) OVERFLOW CHANNEL LAYOUT AND DETAILS

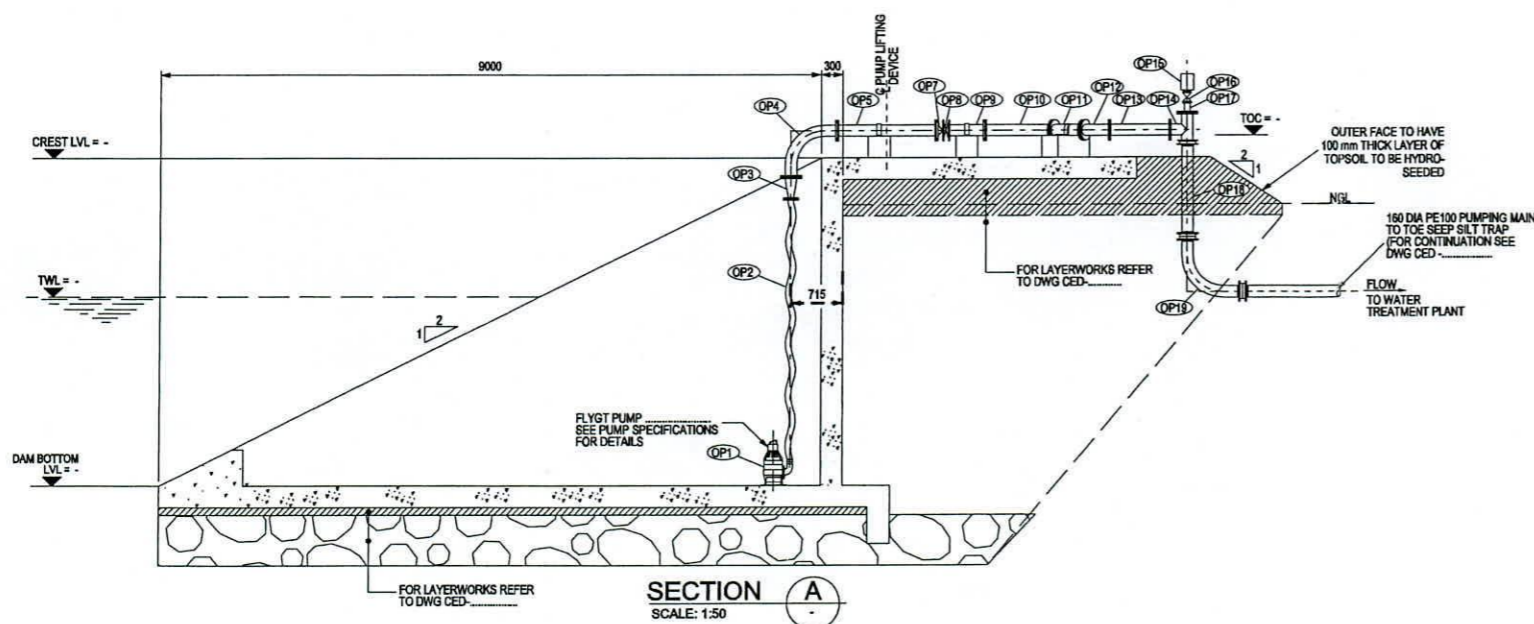
DRG No. 0275-0291-CED-0502

REV. A

THE CO-ORDINATE SYSTEM USED ON THIS DRAWING IS
GAUSS CONFORM Lo 29° EAST
ELLIPSOID - CLARKE 1880 MODIFIED
CAPE DATUM



SCHEDULE OF ANCHOR STRAPS						
PIPE N.B.	A	B	C	D	R	No. OFF
150	600	312	80	252	86	6



PUMP SPECIFICATION	
ELECTRICALLY DRIVEN PUMPS	
QUANTITY -	2 No OFF (1 DUTY & 1 STANDBY)
PUMP MAKE -	FLYGT
TYPE -	SUBMERSIBLE
MODEL -	
IMPELLER DIA. -	
PUMP SPEED -	
DUTY -	
DRIVE -	
MOTOR -	
POWER -	
VOLTAGE -	525 V
WEIGHT -	

GOEDEHOOP OVERALL LAYOUT		CE0-0001
TITLE	DRG No	

REFERENCES			
ISSUED FOR ENVIRONMENTAL APPROVAL	A	03/10/12	S.R.

REVISIONS				
No	DESCRIPTION OF HOLDS	ADDED	REMOVED	
1	LEVELS TO BE CALCULATED ONCE FINAL POSITION CONFIRMED	03/10/12		

HOLDS

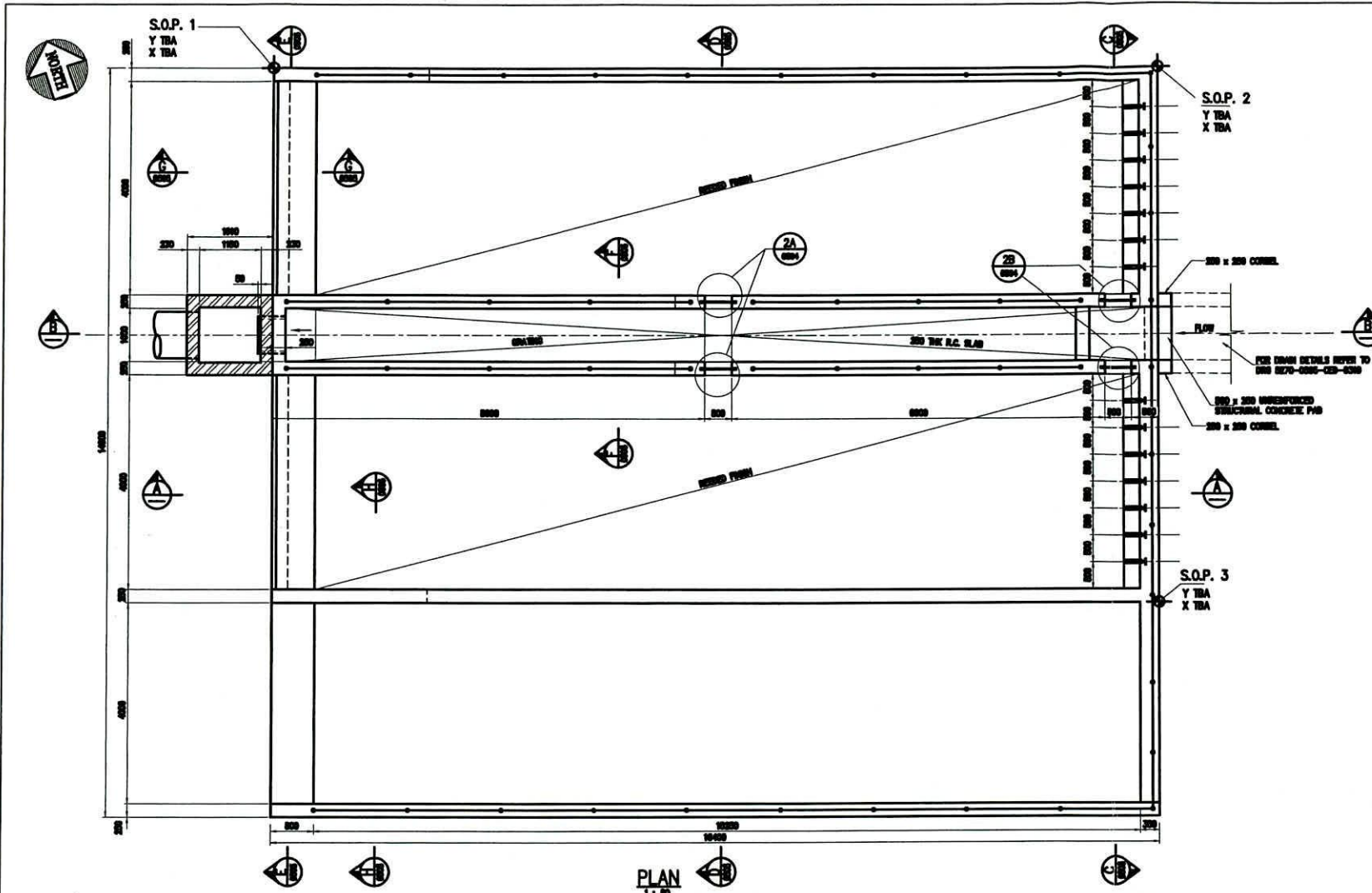
SEMAME CONSULTING ENGINEERS (PTY) LTD
 1st Floor, 88 Marshall Street, Johannesburg, 2001
 PO Box 61950, Marshalltown, 2107
 Republic of South Africa
 Telephone N°: 011 891-1600
 Facsimile N°: 011 833-1039
 email: corporate@semame.co.za
 website: www.semame.co.za

APPROVED BY	CONS-APPROVAL	NAME	DATE	SIGNATURE	MINE - NOTED	NAME	DATE	SIGNATURE	ANGLO - NOTED	NAME	DATE	SIGNATURE
	DRAWN	S.RASPI	02.10.2012	S.R	PROJECT MANAGER				HEAD OF ENG.			
	CHECKED				ENGINEERING MANAGER				REGIONAL ENG.			
	DESIGNED	C.MAYERS	02.10.2012	C.M	PROJECT ENGINEER				MECH ENGINEER			
	PROJ. ENGINEER				PROCESS MANAGER				ELEC. ENGINEER			
	PROJ. MANAGER				SECTION ENGINEER				C & I ENGINEER			
	PR. ENG.				CONSTR. MANAGER				CIVIL ENGINEER			
	PR.ENG. No.								METALLURGIST			

COMPANY: GOEDEHOOP COLLIERY - 5275
 PROJECT: BROWN SHAFT 2 - FEASIBILITY
 AREA: SURFACE
 LOCATION: INFRASTRUCTURE
 JOB: POLLUTED WATER
 TITLE: POLLUTION CONTROL DAM (4.5ML) PUMPSTATION LAYOUT AND DETAILS

COPYRIGHT: DRG No. 0275-0291-CED-0503

ORIGINAL DRG. SIZE: A1
 SHEET 1 OF 1



NOTE:
DATUM = TERRACE LEVEL = 0,000 = TBA

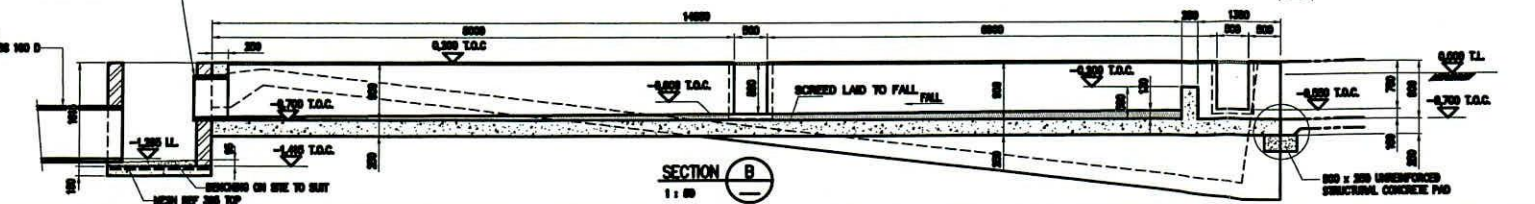
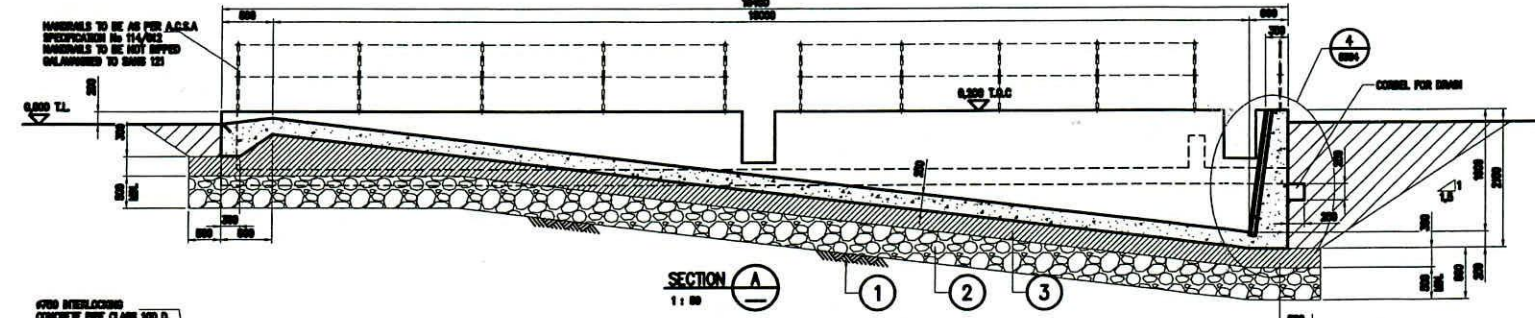
NOTE:
1. SLAB HAS BEEN DESIGNED FOR AN AXLE LOAD OF 15 TONNES.

1. SPREAD AND COMPACT SUBSTRATE MATERIAL TO 300mm DEPTH TO THE SUBSTRATE, IN WET CONDITIONS REFER TO '4' BELOW.
2. PLACE 150mm SAND FILL OVER THE SAND COMPACTED SUBSTRATE. SAND FILL SHOULD BE SPREAD AND LEveled TO AN EVEN SURFACE OF 150mm THICKNESS - TO BE APPROVED BY THE ENGINEER.
3. PLACE 150mm SELECTED FILL LAYER (S.F.) TO SET FROM TERRACE LEVEL, UNDER THE FOOTING OF AN INVERT. FROM BOTTOM FT, COMPACTED TO 95% MVD.
4. IN WET CONDITIONS A FURTHER LAYER TO BE CONSTRUCTED SAND FILL TO BE 200mm DEEP INTO THE AREA AND COMPACTED UNDER THE SAND FILL TO BE APPROVED BY THE ENGINEER.

ROCK COMPACTION SPECIFICATION

1. THE ROCK FILL SHALL BE SELECTED SANDSTONE APPROVED BY THE ENGINEER.
2. THE MAXIMUM SIZE OF THE ROCK SHALL NOT BE MORE THAN TWO THIRDS OF LAYER THICKNESS.
3. THE ROCK FILL SHALL BE OFF-LOADED BY THE END LOADING METHOD. THE MATERIAL SHALL BE SPREAD AND LEveled TO AN EVEN SURFACE OF 150mm THICKNESS.
4. IMPROVING ON THE MAXIMUM ROCK SIZE AVAILABLE, EITHER 300mm OR 400mm LAYERS MAY BE USED TO ACHIEVE THE TOTAL FILL DEPTH REQUIRED.
5. COMPACTORS TO BE USED ARE:
 - * WALK BEHIND DRUM ROLLER.
 - * ROLLER.
6. CONTRACTOR TO DEMONSTRATE COMPACTOR EFFORT BY TRAILS AND BY SUBSEQUENT LAYER WORK AT DESIGNATED COMPACTOR EFFORT TO DEMONSTRATE MAXIMUM EFFORT REQUIRED.
7. DEMONSTRATED DRUMMING METHOD TO BE APPROVED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.

- GENERAL NOTES:**
1. GENERAL WORK TO BE IN ACCORDANCE WITH SANS 1200 CIVIL ENGINEERING SPECIFICATIONS.
 2. CONCRETE TO BE "STRENGTH CONCRETE" AS SPECIFIED BELOW UNLESS OTHERWISE NOTED.
 3. OVERLAP JOINTS:
 - GRADE 16/20
 - GRADE 20/20
 - ALL STRUCTURAL CONCRETE
 4. REINFORCEMENT TO BE CLASSIFIED AS SPECIFIED BELOW UNLESS OTHERWISE NOTED. WHERE FACE IS NOT EXPOSED THERE FACE IS EXPOSED BELOW FINISHED FINAL GRADE OR FINISH LEVEL.
 5. JOINTS TO BE CLASSIFIED AS A JOINT.
 6. EXPOSED REINFORCED SURFACES AND SURFACES TO RECEIVE GRAOUT TO BE "WOOD PLANT FORM" UNLESS OTHERWISE NOTED.
 7. FOOTINGS TO BE "WOOD PLANT FORM".
 8. FOUNDATION MATERIAL:
 - 4.1 THE MAXIMUM DESIGN BEARING CAPACITY FOR FOUNDATIONS IS 100 kPa (M.G.M.).
 - 4.2 FOUNDATION MATERIAL REFER TO SECTION 'A'.
 - 4.3 ENGINEER TO VERIFY BEFORE CASTING OF CONCRETE.
 9. CAST IN PLACE AND FINISHING:
 - 6.1 CAST IS TO BE SUPPLIED BY CIVIL CONTRACTOR UNLESS OTHERWISE NOTED.
 - 6.2 ALL CAST IN PLACE TO BE NOT DIPPED CALIBRATED TO S.A.S. 121.
 - 6.3 REINFORCING UNDER BASE PLATES TO BE DONE BY CIVIL CONTRACTOR UNLESS OTHERWISE NOTED.



PROJECT OVERALL LAYOUT	CE-0152
TITLE	DRG No.

REFERENCES				
ISSUED FOR ENVIRONMENTAL APPROVAL	A	03.10.12	-	-
DETAIL	MARK	DATE	INIT	APPYD

REVISIONS				
No.	DESCRIPTION OF HOLD	ADD	REMOVE	

semame

SEMAME CONSULTING ENGINEERS (PTY) LTD
 1st Floor, 88 Marshall Street, Johannesburg, 2001
 PO Box 61890, Marshalltown, 2007
 Republic of South Africa
 Telephone: P: 011 835-9533
 Facsimile: P: 011 835-9530
 email: enquiries@semame.co.za
 website: www.semame.co.za

SEMAPRO NUMBER No.	102-0007-104-R00004
COPYRIGHT	SCALE: 1:50
ORIGINAL DRG. SIZE	A1
SHEET	REV. A

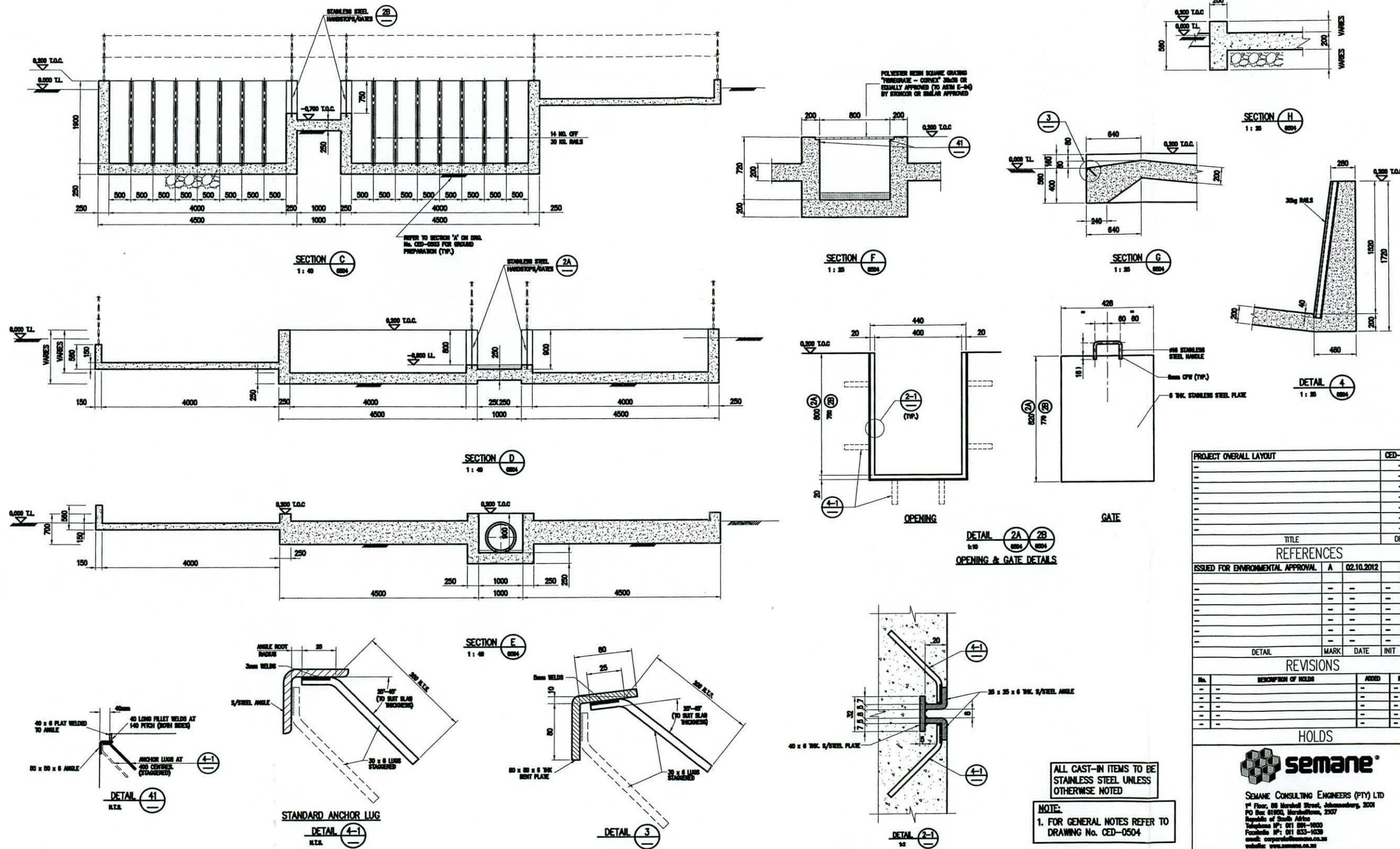
APPROVED BY	PR. ENG.	CONS-APPROVAL	NAME	DATE	SIGNATURE	MINE - NOTED	NAME	DATE	SIGNATURE	ANGLO - NOTED	NAME	DATE	SIGNATURE
DESIGNED BY		DRAWN	F.M.GADSDEN	03.10.12	F.M.G.	PROJECT MANAGER				HEAD OF ENG.			
CIVIL CALCULATION FILE NO.	5270-0565	CHECKED				ENGINEERING MANAGER				REGIONAL ENG.			
DESIGNED & APPROVED IN ACCORDANCE WITH S.A.N.S. 1200 CIVIL ENGINEERING SPECIFICATION AND AA SPECIFICATIONS WHERE APPLICABLE		DESIGNED				PROJECT ENGINEER				MECH ENGINEER			
		PROJ. ENGINEER				PROCESS MANAGER				ELEC. ENGINEER			
		PROJ. MANAGER				SECTION ENGINEER				C & I ENGINEER			
		PR. ENG.				CONSTR. MANAGER				CIVIL ENGINEER			
		PR. ENG. No.								METALLURGIST			

AngloAmerican Thermal Coal

COPYRIGHT

COMPANY GOEDEHOOP COLLIERY
 PROJECT BROWN SHAFT 2 - FEASIBILITY
 AREA SURFACE
 LOCATION INFRASTRUCTURE
 JOB SILT TRAPS
 TITLE POLLUTION CONTROL - 15 TO AXLE LOAD SILT TRAP CONCRETE LAYOUT AND DETAILS

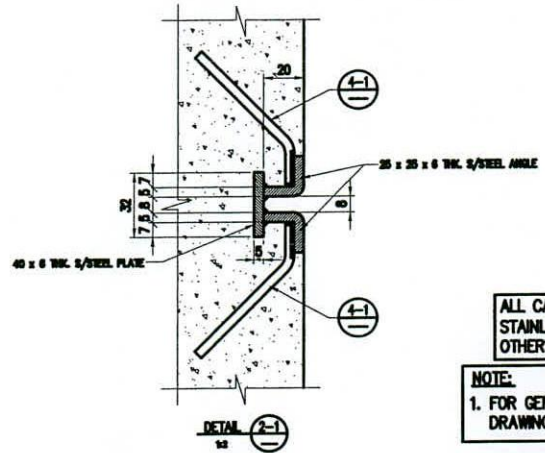
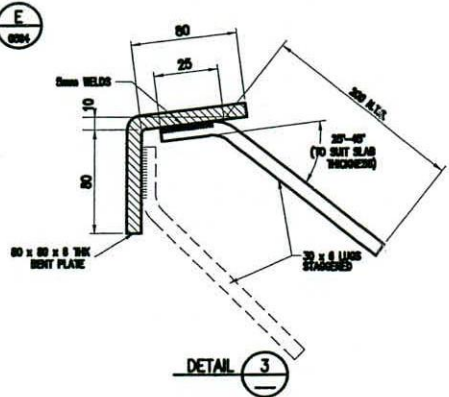
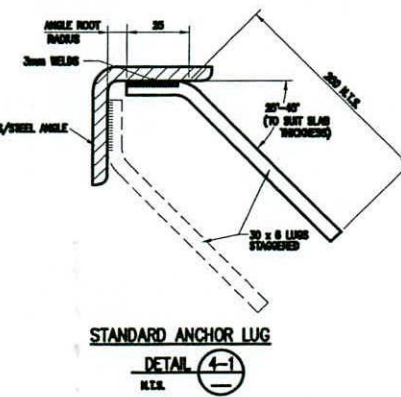
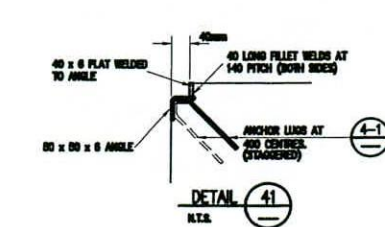
DRG No. 0275-0000-CED-0504



Project Overall Layout table with columns: PROJECT OVERALL LAYOUT, TITLE, REFERENCES, ISSUED FOR ENVIRONMENTAL APPROVAL, REVISIONS, HOLDS. Includes a table for REVISIONS with columns: No., DESCRIPTION OF HOLDS, ADDED, REMOVED.

SEMARE CONSULTING ENGINEERS (PTY) LTD logo and contact information including address, phone, fax, and email.

Approval and project information table with columns: APPROVED BY, DESIGNED BY, NAME, SIGNATURE, REGISTRATION, REG.NO., DATE, CIVIL CALCULATION FILE NO., PROJECT, AREA, LOCATION, JOB, TITLE.



NOTE: ALL CAST-IN ITEMS TO BE STAINLESS STEEL UNLESS OTHERWISE NOTED

NOTE: 1. FOR GENERAL NOTES REFER TO DRAWING No. CED-0504

Approval and project information table with columns: APPROVED BY, DESIGNED BY, NAME, SIGNATURE, REGISTRATION, REG.NO., DATE, CIVIL CALCULATION FILE NO., PROJECT, AREA, LOCATION, JOB, TITLE, COMPANY, PROJECT, AREA, LOCATION, JOB, TITLE, DRG No., SCALE, ORIGINAL DRG. SIZE, SHEET, REV.

