



GMH / TSWELELO **CONSULTING CIVIL ENGINEERS**



COMPANY PROFILE

The practice of GMH/CPP Consulting Civil Engineers was established when G M Hattingh & Partners (GMH); originating from 1987 joined forces with Civil and Planning Partnership (CPP) which started business in 1980. The main focus of both these companies was Consulting Civil Engineering. GMH specialised in civil engineering infrastructure provision such as roads, stormwater, water and sewer reticulation for township and commercial developments as well as incorporating traffic engineering in their service to Central, Provincial, Local Government and numerous private developers. CPP on the other hand, specialised in the fields of Highway/Bridge and Structural Engineering and has undertaken numerous engineering projects in Zimbabwe, Lesotho, Botswana, Tanzania and Mozambique. The combination of these two companies not only widened their specialised service offer to their respective clients but also opened up the Sub Saharan continent to the group.

Realising that more was needed to be done with regards to **effective skills transferring within the Civil Engineering environment** and in particular in the new South Africa, the next challenge was to establish a sustainable Civil Engineering Consulting entity that would reflect the demographics of the country. **GMH/Tswelope Consulting Engineers** was therefore born from a belief that sustainable development within the engineering environment of the Historically Deprived Individuals (HDI's) only will happen if serious effort towards skills transfer from the Non Deprived individuals could successfully be incorporated, monitored and managed. With that goal in mind, 25% of each Non deprived personnel member was "dedicated" to skills transfer within the engineering environment and was monitored and managed on a monthly basis. Our goal of a sustainable professional engineering consultancy was reached quicker than planned and from August 2006 our entire South African operation functions under the GMH/Tswelope banner.

Figure 1 schematically depicts the relationships between the different entities that finally constitute GMH/Tswelope Consulting Civil Engineers.

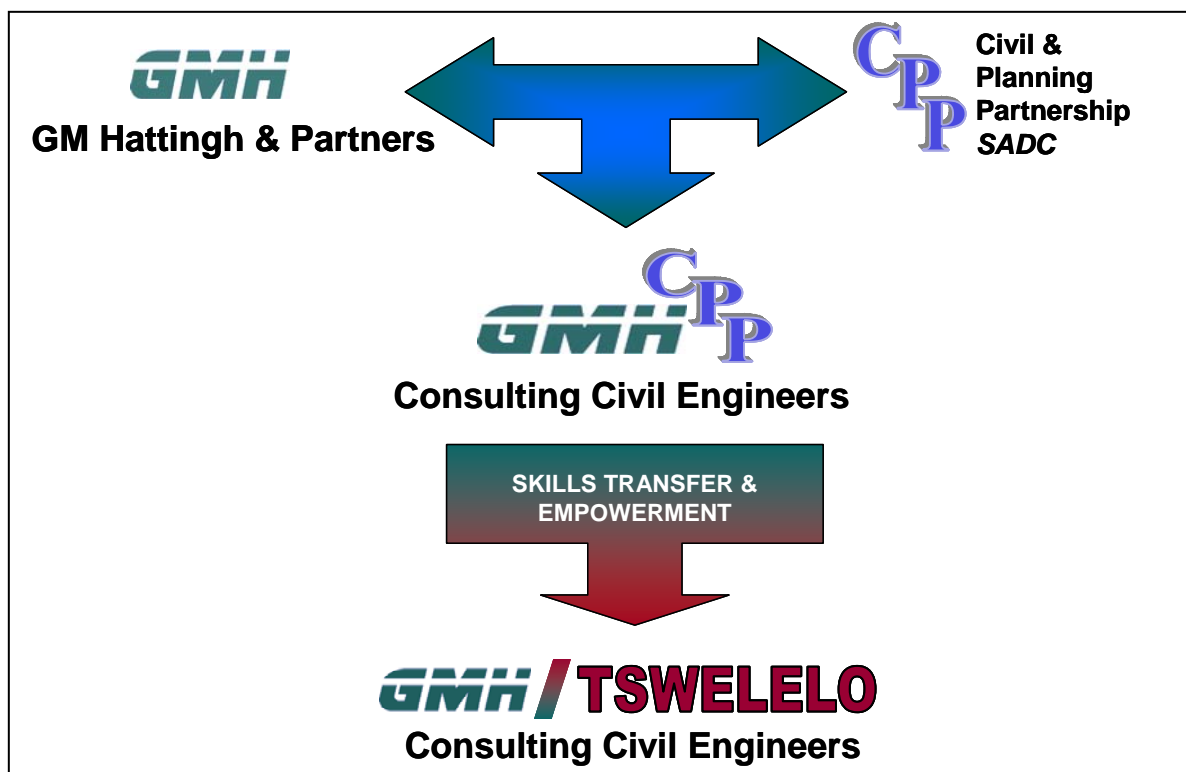


FIGURE 1 : RELATIONSHIP CONFIGURATION- GMH, CPP, TSWELO

GMH/Tswelelo functioned as a partnership since 2001 but was registered as a close corporation with registration number 2006/050640/23 in March 2006. We are also VAT registered with number 4140210420. After Lindelwa Mhlomi, our in-house, traffic engineering technologist, took up 40% shares in October 2006 the ownership of the company is as follows:

Name	ID Number	% Shares	HDI Status	BEE Status
Lindelwa Mhlomi	8009030695087	40	Yes	Yes
George M Hattingh	5310225052081	60	No	No
	Total		40	40

The Managing Member is George Hattingh (Pr Eng), who dedicates at least 25% of his time according to the **skills transfer agreement between GMH/PPP Consulting Engineers and GMH/Tswelelo Consulting Engineers**. All designs and documentation including tender documents are prepared by Tswelelo personnel, and reviewed, approved and signed by George Hattingh. This provides internal quality control according to our **ISO 9001:2000** accredited quality management system as well as adherence to our professional indemnity standards. All the technical personnel have substantial experience of design work, and are capable of designing in Civil Designer, Roadmaker, Modelmaker and producing drawings on CAD. Lindelwa Mhlomi will concentrate on the traffic engineering aspects of the company.

GMH/Tswelelo has undergone steady growth in recent years and now has 23 permanent personnel operating from five offices in three provinces within South Africa. The profile of the personnel is depicted in a functional and technical level as follows:

Functional Level

Level	White Male	BEE Male	White Female	BEE Female	Total
Top	1			1	2
Middle	3		1		4
Tech Support	5	1	2	3	11
Admin			4	2	6
Totals	9(39%)	1(4.5%)	7(30.5%)	6(26%)	23

Technical Level

Level	White Male	BEE Male	White Female	BEE Female	Total
Engineers	1				1
Technologists	1	1		1	3
Technicians	5		1	3	9
Tech Support	2		2		4
Admin			4	2	6
Totals	9(39%)	1(4.5%)	7(30.5%)	6(26%)	23

FIGURE 2: PERSONNEL DEMOGRAPHIC PROFILE: FUNCTIONAL AND TECHNICAL LEVELS

The first branch of GMH/Tswelelo was established in Waterval Boven, from where it has served Nkangala District Municipality since 2001. Two more branches of GMH/Tswelelo were established in Nelspruit and Thabazimbi. The Mapumalanga offices are managed by Johan Gilbert and the Thabazimbi office is managed by George Mason. In 2005 we established the Ekurhuleni / Tshwane office in Midstream Estate and is managed by Lindelwa Mhlomi. All four these offices are constantly monitored and guided by George Hattingh from the head office in Randburg.

See **Annexure A** for full contact detail of all these offices.

STATEMENT OF COMPETENCE

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The firm works on the concept of a Virtual Project Team, utilizing the Internet and drawing on resources from all its offices and any joint venture partners as required. Great emphasis has been placed on the acquisition and application of high-end computer hardware and software in an effort to gain a competitive advantage. This is in line with our policy of maintaining a highly responsive, production orientated corporate culture.

GMH/Tswelelo has an accredited Targeted Procurement Practitioner in George Hattingh holding a NQF7 qualification.

GMH/Tswelelo has the professional capacity to undertake projects in the following fields:

Urban & Rural Road Design

GMH/Tswelelo personnel have extensive knowledge of the design of low volume roads, provincial roads, urban freeways, bridges, airport runways and taxiways. Through our involvement with various provincial and local authorities we have also built up a knowledge pool for the rehabilitation of pavements using Mechanistic/DCP/Catalogue design methods. Techniques included in this knowledge pool are in situ recycling, asphalt overlay, concrete block paving and Hyson Cells.

Township Services

We have been involved with the design of residential and industrial townships with special reference to low-cost applications. Work includes streets, stormwater, sewer and water networks as well as outfall sewers.

Traffic & Transportation Engineering

We are competent to undertake traffic impact studies, access investigation, traffic signal planning and design, traffic counts, origin-destination and trip generation surveys for roads, townships and commercial developments.

Labour Based Construction

GMH/Tswelelo boasts extensive experience in the design and administration of labour based construction of roads and township services. We have been involved in various successfully completed Contractor Development Programmes, designed and managed projects under the Professional Team Approach, Managing Contractor Approach and Targeted Procurement System. We have also perfected the process of maximisation of

labour based road construction through the on site manufacturing of kerbs as well as paving blocks at some of our construction sites We also have incorporated the concept of community retained earnings in a number of Design and Construct (Turnkey) tenders for specifically the Johannesburg Roads Agency. George Hattingh holds a NQF 7 qualification. This supports our believe that labour intensive construction should be promoted to higher levels of implementation within the civil engineering construction industry in South Africa.

Landscape Architecture

Having a graduated Landscape Architect as part of the GMH/TSWELELO team has enabled us to extend our services and offer these and related services to our Clients. We offer efficient services in landscape planning, landscape architecture and environmental planning and management with specific attention to the following:

- design, documentation and management of projects during the construction phase with the aim to finalise projects timeously and within the budget
- integrate conservation and development to the benefit of the environment, our Clients and the Community

Project Management

Although Project Management is often seen as a generalised activity based on years of experience GMH/Tswelelo ensured their professional approach to this activity based in the Project Management Body of Knowledge (PMBOK) approach.

Commercial Development

GMH/Tswelelo is fully capable of the civil, geotechnical and traffic engineering aspects and limited structural works for petroleum service stations, shopping centres, office blocks, factories and any other commercial development. Other building structures such as hospitals, sport facilities and educational buildings can also be handled.

Geotechnical Engineering

GMH/Tswelelo has been involved in a number of geotechnical investigations that were mainly undertaken for purposes of township and commercial developments.

External Funding Applications

GMH/Tswelelo takes pride in having extensive experience of the working procedures of local, provincial and central government in the implementation of their capital projects. The application for “external” funding to support some of our clients through the MIG process has lead to various successful project implementations. This aspect of knowing our client and the environment in which they operate is considered very important to ensure the smooth and effective execution of projects.

Joint Ventures

GMH/Tswelelo is truly specialised in running Joint Venture projects. JV’s have been successfully formed with emerging consultants requiring technical or project management support. Further to this we have also associated successfully with international consultants requiring an on-the-ground presence and local engineering knowledge. It is also our believe that Joint Ventures are probably one of the most effective ways in transferring skills to emerging consulting entities and therefore eagerly accepts the responsibility within a JV to successfully complete these projects to the benefit of the client but also to the emerging JV partner.

Structural Engineering

We specialize in the analysis and design of a wide variety of civil engineering structures including bridges, culverts, retaining walls, steel structures, reservoirs and water towers. Construction techniques include reinforced concrete, prestressed concrete, structural steel, timber and masonry. **An abbreviated list of projects is available in ANNEXURE B**

ADMINISTRATIVE DETAIL

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Structure : Closed Corporation (Registration Number: 2006/050640/23)

Shareholding:

Name	ID Number	% Shares	HDI Status	BEE Status
Lindelwa Mhlomi	8009030695087	40	Yes	Yes
George M Hattingh	5310225052081	60	No	No
	Total		40	40

Insurance : R6 million Professional Indemnity with Glenrand MIB

VAT Reg No : 4140210420

AFFIRMATIVE ACTION POLICY

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As a member firm of the South African Association of Consulting Engineers (SAACE) we subscribe fully to the Affirmative Action viewpoint of this organisation.

Our recruitment policy is based on preference to persons from historically disadvantaged communities. As is generally accepted, this is easier said than done due to a shortage of suitable qualified engineers and technicians.

Our current policy, which augments the SAACE recommendations, is based on an active employee development system. We actively promoted the skills training of residents of Ivory Park, where we have been involved in various labour based road construction projects.

To date we have employed a broad spectrum of persons from disadvantaged communities. This has included a graduate engineer, engineering technicians, technicians-in-training and administration staff.

It is also our policy to encourage clients to make use of a project to establish a skills training programme within the specific community. To implement this scheme we provide a training function directly related to the project. Even though this concept does not provide permanent employment, as it is project related, we believe there are long term benefits as the community gains valuable experience and expertise.

We are also a sponsor to the University of Pretoria's Teacher Mentorship Programme which aims to educate the youth in mathematics and other subjects required for entry into technical study fields.

We annually support at least two black students with their studies in engineering at different Technical educational institutions.

GMH/Tswelelo Consulting Civil Engineers, as a dedicated member of the South African business community, has a responsibility of complying with BEE requirements. We are therefore seriously of the intention to achieve the guidelines as stipulated for 2009 and 2014. To this end we have developed a BEE policy, which is approved by the members, in order to achieve particular set goals. It is our strategic intention to achieve the following by the said due dates:

Ownership

GMH/Tswelelo commits itself to allocating at least 75% and 90% shareholding by 2009 and 2014 respectively, to HDI partners. It is the intention to involve professionally qualified HDI candidates who will be 100% involved in the owning and management of the company.

Strategic Management

Despite the difficulty in recruiting HDI staff in the civil engineering industry, it is our stated policy to involve both male and female black partners. This policy requires that for every white partner there be two HDI partners, and that at least one female HDI partner be appointed for every two male counterparts. This is in line with the scorecard requirements for 2009.

Employment Equity

Over and above the policy requirements set out above in respect of ownership and management, our goal is to achieve an HDI staffing of at least 60%, of which 50% should be female. We intend achieving this by adhering to the following principles:

- GMH/Tswelelo Consulting Engineers will not in any way discriminate between any racial, religious or cultural group, nor have any preference for any gender.
- It is the policy of this practice to endeavour to fill each vacancy, as well as every new position with a member of the HDI community.
- The HDI candidate has to have the qualification and experience commensurate with the specific position.
- Should a candidate not comply in all respects to the requirements, it should be investigated whether it is feasible to train the incumbent, whether this is done in-house or elsewhere, for the candidate to become qualified for the specific post.
- Only if the above criteria cannot be met, will a non-HDI candidate be considered.
- The firm will at all times seek to exercise its social responsibility, and will allocate a suitable amount of funding towards the education of HDI students, whether this is for full time study or learnerships.

Skills Development

We undertake by 2009 to spend 3% of our payroll costs on skills development through accredited training. Three quarters of this amount to be allocated to black staff. Also, we allocate at least 2% of our staff members to learnerships, all of which to be HDI.

The policy is as follows:

- Only staff members qualified for a specific post will be employed in such a position, unless it is decided that an existing or new staff member can be trained for a specific post.

- GMH/Tswelelo will at all times train in-house its personnel by informal methods and generally expose staff to an environment that will generate the transfer of skills
- The firm funds the full time study of an HDI civil engineering student, and undertakes to employ him upon completion of his studies. When one student qualifies, another HDI student will be funded. The funding is subject to acceptable progress of the particular student at university.
- The firm at present carries the cost of the studies of two HDI students at Technicon, and will at all times fund at least two students at Technicon.
- Staff members are invited to identify learnerships, conferences and courses to improve themselves and the firm will assist with these efforts financially. The available funding will be allocated in the best interest of the firm.
- GMH/Tswelelo undertakes to, in a limited way, appoint junior HDI staff in a position where they will be the understudy for the formal position of employment in order to put practical implementation of fast track empowerment.
- The firm will also identify staff members to attend courses if it is deemed that such staff members will benefit from attending such courses.

Preferential Procurement

GMH/Tswelelo Consulting Engineers will allocate at least 40% of monies on the procurement of services and goods from subcontractors and suppliers, to BEE companies. This is to be achieved by following the principles set out below:

- GMH/Tswelelo Consulting Engineers is committed to appoint BEE/SMME suppliers/subcontractors for all work relating to topographical survey, geotechnical work, soil testing, as well as all general purchases.
- Non BEE/SMME suppliers/subcontractors will only be used should a suitable BEE/SMME supplier/subcontractor not readily be found.
- A percentage preference will be given to BEE/SMME suppliers/subcontractors, which percentage increases pro rata the percentage HDI ownership of the BEE/SMME supplier increases. The percentage preference is 10% for purchases of less than R10 000, 8% for purchases of over R10 000 and up to R20 000, 6% for purchases of over R20 000 and up to R30 000, 4% for purchases of over R30 000 and up to R40 000, and 2% for purchases of over R40 000.
- GMH/Tswelelo will establish to the best of its ability the HDI ownership of regular suppliers and subcontractors and will develop a database of such data.
- A BEE/SMME supplier/subcontractor who provides substandard work/products will be removed from the list.
- The auditors of GMH/Tswelelo have been instructed to calculate the percentage of budget spent on BEE/SMME suppliers/subcontractors, in order for us to report the percentage in future financial years.

Social Development

It is the intention of GMH/Tswelelo Consulting Engineers to spend 1% of post tax profits on education, community programmes, health, training and conservation. Our current policy of leaving something behind in the communities is therefore formalised into a measurable parameter. We have set up systems in our company to record and measure our activities in this regard.

As a Professional Civil Engineering consulting practice we accept our responsibility for social development. We have identified two primary areas in which our firm can be effective. These are:

- Focus on the provision of infrastructure and township services

- Planning of projects to maximise the job creation potential thereof, this specifically for the community in which this work is being carried out

We believe in a policy of transparency through our meetings with the community involved, and actively pursue the co-operation of local bodies with the Civic Organisation, and local officials of Cosatu, Taxi Associations, Builders Forum and the like.

We have already successfully completed projects directly related to both the above priorities. These projects vary from sewerage pipe lines, arterial roads, urban roads, stormwater etc. These projects which are located in Soweto, Midrand, Ivory Park and Tembisa were executed as community based projects which created work for local residents. In addition a number of these projects provided formal training for the people involved.

As further proof of our commitment towards the successful development of South Africa we were granted membership of the Proudly South African campaign in 2002 and therefore proudly project and protect that image.



George Hattingh

After graduating from the University of Pretoria, George started his career in 1975 as an Assistant Engineer with the then TPA Roads Department. During this time he gained valuable road and bridge design experience from some of the icons in the industry. After obtaining his Pr Eng and BCom (Hons) degree he joined the road design consultancy Strydom, Newmark & Anthony in their Free State office. After resigning from Uhlmann, Witthaus & Prins as an associate, George started GM Hattingh & Partners in 1987. This practice, now known as GMH/Tswelelo Consulting Civil Engineers, is headed by George as managing Member and supports his believe that civil engineering will eventually be done by the people for the people of South Africa.

George's love for the outdoors and the "greener" side of life is manifested in his outdoor activities which include golf, hunting (bow and rifle), cycling and fly fishing as well as spending as much time as possible on his game farm. He is also a keen pilot, and collector of red wine.

Lindelwa Mhlomi

Lindelwa achieved her National Diploma in Civil Engineering from the University of Johannesburg in 2002. She immediately enrolled at the same institution to further her studies towards the B Tech degree which she successfully completed in 2005.

She started her career at BCHOD Consulting Engineers in 2002 and in April 2004 she moved to ASCH Consulting Engineers. At both these companies she was involved in the design and detailing of engineering services such as water, sewer, roads and stormwater. In November 2004 she realised that traffic engineering is her passion and took up a position as traffic technician with ITS Consulting engineers specialising in traffic and transportation engineering. She joined the traffic and transportation section of GMH/Tswelelo Consulting Engineers in September 2005 and functions in the Ekurhuleni/Tshwane office as transportation technologist doing traffic impact studies and analysis as well as planning of public transport facilities. She is familiar with the following specialised software: Road mate, Sidra, Autocad and Corel draw apart from the normal Microsoft Office packages.

She became a shareholder of GMH/Tswelelo Consulting Engineers in July 2006.

Lindelwa is devoted to her profession and when she has some spare time she enjoys reading as well as to familiarise herself with what's happening in the world and in general look positively forward to life

Detailed Curriculum Vitae's are available on request

ANNEXURE A

OFFICES IN SOUTH AFRICA

GMH/TSWELELO OFFICES IN SOUTH AFRICAN

Head Office (Randburg) - Gauteng Province:

P O Box 2201
RANDBURG
2125

GMH House
Meadowbrook Business Estate
Jacaranda Avenue
Olivedale

Tel No : (011) 462-0601
Fax No : (011) 462-0672

E-mail : randburg@gmhcpp.com

Ekurhuleni / Tshwane Office – Gauteng Province:

P O Box 135
Midstream Estate
1692

Bondev Offices Block C
3 Ashford Street
Midstream Estate 1692

Tel No : (012) 661-5373
Fax No : (012) 661-5374

E-mail : lindelwam@gmhcpp.com

Nelspruit Office - Mpumalanga Province:

P O Box 8801
SONPARK
Nelspruit
1206

Unit 47
Sonpark Boulevard
Nelspruit
1206

Tel No : (013) 741-5371
Fax No : (013) 741-5372

E-mail : nelspruit@gmhcpp.com

Waterval Boven Office - Mpumalanga Province:

P O Box 550
WATERVAL BOVEN
1195

13 Sixth Avenue
WATERVAL BOVEN
1195

Tel No : (013) 257-1066
Fax No : (013) 257-1067

E-mail : boven@gmhcpp.com

Thabazimbi Office - Limpopo Province:

P O Box 1059
THABAZIMBI
0380

7 Rooibok Street
THABAZIMBI
0380

Tel No : (014) 772-2003
Fax No : (014) 777-1016

E-mail : thaba@gmhcpp.com

ANNEXURE B

SUMMARISED PROJECT REFERENCES

ENGINEERING FIELD	PAGE
○ Urban & Rural Roads	2
○ Township Services	3
○ Transportation and Traffic	4
○ Labour Based Projects	4
○ Landscape Architecture	5
○ Commercial Developments	6
○ Structural Works	7
○ Geotechnical Engineering	7

URBAN & RURAL ROADS

PROJECT NAME	CLIENT	PROJECT VALUE
Basic Planning of K105	Gautrans	R 3.00 m
N4 - Maputo Development Corridor	SNA/SBB	R 5.00 m
Jwaneng-Sekoma Road Rehab	Botswana Roads Dept	R 0.00 m
Estrada Nacional 223 Road Rehab	DNEP	R 25.00 m
Coal Haul Road Design	Rand Mines	R 0.95 m
69 km Road in Botswana	ZMCK	R 9.00 m
Review Consultant on various road projects	SA Development Bank	R -
Pungwe River Crossing (Mozambique)	DNEP	R 2.00 m
Koma Street Phase 1	Soweto City Council	R 7.00 m
Road K15 Basic Planning	TPA Roads Dept	R 30.00 m
Orange Farm Shopping Centre	Business Multisource	R 2.50 m
Kanye Road Project, Botswana	CPP	R 15.00 m
Van Dyksdrift Roads	Randcoal	R 1.00 m
Buchwa - Sango	CPP	R 30.00 m
Basic Planning of K144	TPA Roads Dept	R 30.0 m
Beit Bridge Access Road	CPP	R 1.60 m
Upgrading of Judges Road	Randburg Town Council	R 0.37 m
Detail design of roads in Dobsonville	GJMC	R 3.00 m
K105 Tembisa Access Road	Gauteng Prov Govern	R 15.00 m
Rehabilitation of P110-1, Thabazimbi	NPRA	R 2.10 m
Repair Flood Damage Bridges, Thabazimbi	NPRA	R 3.60 m
Maintenance of rural road, Rooiberg	NPRA	R 0.30 m
Repair & Reseal of P1-3 (5 km), Warmbaths	NPRA	R 0.30 m
Regravel of district roads, Potgietersrus	NPRA	R 1.70 m
Rehabilitation Selebi-Phikwe to Sefophe	Botswana Rds Dept	R 23.00 m
Redesign of rehabilitation for Phalapye-Serule	Botswana Rds Dept	R 43.00 m
Design and construction of Marakele Game Reserve roads	Sanparks	R 15.00 m
Upgrading of Gravel roads to surfaced roads in Johannesburg area (Soweto, Kaalfontein, Ivory Park tec.)	Johannesburg Roads Agency	R 60.00 m

TOWNSHIP SERVICES

PROJECT NAME	CLIENT	PROJECT VALUE
Services for Kya Sand Ext	Owners	R 2.00 m
Protea South	VZADK	R 2.40 m
Township Services Stand 153 North Riding	Ferreira's	R 0.30 m
Services at Orlando East	WPW	R 0.60 m
Township Services Stand 81 North Riding	Ferreira's	R 0.45 m
Township Services at Carolina	RSC O	R 0.36 m
Township Services at Protea North	Z Z Design	R 5.80 m
Air Botswana Housing	L+M Consultants	R 6.00 m
Gaborone Township (Botswana)	Long Homes	R 2.30 m
Orlando Railway Village	Interlink	R 0.35 m
Sunninghill Ext 74	Target Development	R 0.25 m
Wilgeheuwel Extention 1	Ferreira's	R 1.00 m
Infrastructure Meyersdal Ext 19,20+21	RPD Projects	R 2.00 m
Roads & Stormwater Avalon Cemetery	Soweto City Council	R 3.00 m
K105 Oakmoor Taxi Rank	KMC	R 7.00 m
Kaalspruit Outfall Sewer	MMLC	R 00 m
Multi Purpose Precinct, Ivory Park I	VII MMLC	R 8.50 m

TRANSPORTATION AND TRAFFIC

PROJECT NAME	CLIENT	PROJECT VALUE
Erf 699/700 Fontainebleau	Titan Construction	R -
Proposed Service Station Sebokeng	VZADK	Investigation
Proposed Service Station Boksburg	A Meyer	Investigation
Service Station Bloemfontein	Metrotech	R 0.25 m
Westgate Access application	Mr Pieterse	R -
Traffic Counts Sutherland	S van der Westhuizen	R -
Rabie Orange Farm Site	Rabie Properties	R -
Cato Ridge Traffic Studie	T R P C	R -
Portion I Allandale	C Metcalfe	R -
Erf 946 Fairland	V Z A D K	R -
Boundary Park	R Fuller	R -
Holding 31 Golden Harvest	Zenex Oil	R -
Service Station/Motor Dealership- Linksfild Road	Julius Lecuona	R -
Motortown Detroit Plaza - Pretoria Rd, Kempton Park	TAPP	R -
Kwadakuza Lodge - Noise study	Kwadakuza Lodge	R -
Traffic impact studies for over 100 various types of developments, including residential, commercial, offices and retail	Various Developers	R -
Planning and preliminary design of the Pan Africa Taxi Rank (Alexandra)	City of Johannesburg	R -
Planning and preliminary design of the Pan Africa Taxi Rank (Alexandra)	City of Johannesburg	R -
Planning, design and supervision of The Oakmoor Taxi Rank (Kempton Park)	Ekurhuleni	R -
Design of traffic signal plans for over 20 Intersections in the Johannesburg area	JRA, Individual Developers	R -
Construction of Bus and Taxi Lay-bys in Tshwane	City of Tshwane MM	R 2 million

LABOUR BASED PROJECTS

PROJECT NAME	CLIENT	PROJECT VALUE
Labour Based Roads Ivory Park Phase 1- 8	Midrand Town Council	R 18.00 m
Mpondonde Street, Pimville Ext 7, Soweto	Soweto City Council	R 0.35 m
Molope Street, Phase I - III, Naledi Ext	Soweto City Council	R 0.75 m
Labour Based Work at Kaalfontein Sewer	Midrand Town Council	R 1.20 m
Zamukulungisa Street, Emdeni, Soweto	Soweto City Council	R 0.34 m
Nakeli + Moswe Street, Emdeni, Soweto	Soweto City Council	R 0.30 m
Tembisa Stormwater - Labour Based	Edenvale MSS	R 0.75 m
Sipu, Mmutla + Mokgoronyane St, Klipspruit	Soweto City Council	R 0.25 m
Rimbelule Street, Klipspruit, Soweto	Soweto City Council	R 0.25 m

LANDSCAPE ARCHITECTURE

PROJECT NAME	CLIENT	PROJECT VALUE
Parmalat Gauteng - New distribution Centre	Moolman Group	R 0.40 m
Stanford Gardens Phases 1 – III	Lethabong Housing	R 0.60 m
Pioneers Park : Masterplan	Jhb City Parks	R 0.20 m
Pioneers Park Upgrading of existing park	Jhb City Parks	R 0.80 m
Pioneers Park Upgrading of existing park (Phase 2)	Jhb City Parks	R 10.10 m
Rhodes Park Upgrading of existing park	Jhb City Parks	R 1.00 m
Contract administration & supervision 6 x park projects	Jhb City Parks	R 2.15 m
Pieter van Niekerk : Waterkloof Landscape upgrading & supervision	Larella Investments	R 0.80 m
Diepsloot Sport Precinct	City of Joburg	R 0.50 m
Sasol Limited : Head Office Landscape upgrading	Sasol Limited	R 1.35 m
McDonald's S.A. All landscape planning	McDonald's S.A.	R 5.50 m
Jan Erasmus Landscape planning	Starry Sky Trust	R 1.20 m
Multi Purpose Sport Precinct	City of Joburg	R 3.70 m
Thuthukani Sport Precinct	Midrand Council	R 1.50 m
Western Entrance Germiston	Ekurhuleni MM	R 1.50 m

PAVING

GMH/Tswelelo Consulting Engineers were responsible for all the paving aspects of the mentioned landscaping architecture work as well as various other specific paving orientated projects such as labour intensive road construction and more recently the sidewalk upgrading project in Soweto.

COMMERCIAL DEVELOPMENTS

PROJECT NAME	CLIENT	PROJECT VALUE
Paving at Johannesburg Zoo	S A Paving	R 0.25 m
Paving at Orchids Substation	ESKOM	R 0.075m
Paving rehab Charlemagne Townhouses	Man Committee	R 0.20 m
Parking Area, Alberton City	Rapp & Meister	R 0.25 m
Roads and Services	German Church	R 0.24 m
Earthworks at Vereeniging	S A Breweries	R 0.25 m
Petroport Service Station	Total S A	R 0.40 m
Terrain Works at Hera Substation	ESKOM	R 1.50 m
Skid pan at Kyalami	AAKDT	R 0.60 m
Terrain Works for ESKOM Housing	ESKOM	R 9.00 m
Retaining walls at PTA Academic Hospital	CSI	R 1.00 m
Terrain Works at Trek Northgate	Trek Petroleum	R 0.50 m
Terrain Works Service Station, Sundowner	BSD Properties	R 0.25 m
Terrain Works Filling Station, Rustenburg	Dr A Meyer	R 1.20 m
Terrain Works at Kliptown Shopping Centre	VZADK	R 0.00 m
Terrain Works at Rietfontein Development	Guvon Beleggings	R 0.30 m
Terrain Works at Drieziek Service Station	Total S A	R 1.30 m
Midrand Clusters	Target Development	R 0.45 m
Gaborone Showground Parking	L+M Consultants	R 1.80 m
Cheetah Inn Golf Course	Cheetah Inn	Investigation
Terrain Works at Engen Prinshof	Engen Marketing	R 0.80 m
Lyttleton Manor Ext 1	JvG Consultants	R 0.18 m
Gabs Agricultural	L+M Consultants	R 0.50 m
Fourways Service Station	Zenex	R 0.60 m
Engen	RAU	R 3.00 m
RAU Phase I	RAU	R 1.50 m
Hill St/Rocky St Development	GIP	R 1.30 m

STRUCTURAL WORKS

PROJECT NAME	CLIENT	PROJECT VALUE
Orange Farm Shopping Centre	Business Multisource	R 2.50 m
Deep Meadow	Nkosana Investment	R 0.10 m
Lokothwayo Centre	Rescue Homes	R 0.20 m
Service station, canopy & earthworks - Engen Fochville	K Etsebeth	R 0.75 m
Tembisa Access Road Bridge	Gauteng Prov Govern	R 6.00 m
Rehabilitation of Koedoskop Bridge	NPRA	R 3.00 m
Low-level bridge Thabazimbi	NPRA	R 2.70 m

GEOTECHNICAL ENGINEERING

PROJECT NAME	CLIENT	PROJECT VALUE
Gateway Mobil Service Station	WPW	R -
Stands 64, 65 + 70 North Riding	Ferreira's	R -
2 Oscar Street	S A Paving	R 0.01 m
Erf 672 Twala, Katlehong	Dan Fourie	R 0.50 m
Geotech & Flood lines Wilgespruit	Rabie Properties	Investigation
Trek Midrand - Geotech	Trek Petroleum	Investigation
Aanwins/Amarosa	J Glowacki	Investigation
Veld en Vlei Motors	K Naude	Investigation
Holding 31 Golden Harvest	Zenex Oil	Investigation
Panorama 66	Steyn & Pienaar	Investigation
Plot 37 Bromhof	Vanroux Construction	Investigation
Portion 343 Paardeplaats 177	IQ Steyn & Evans	Investigation
Erf 171 Ruimsig X6	Piet Ferreira	Investigation
Ptn 173 Roodepoort 237	IQ Marischa cc	Investigation
Irene Ext 10 Dolomites	JST	Investigation

- Truncated -