



**JRA,
POTHOLE PATROL
PARTNERSHIP
13 April 2023**



a world class African city



Mobility made easy



a world class African city



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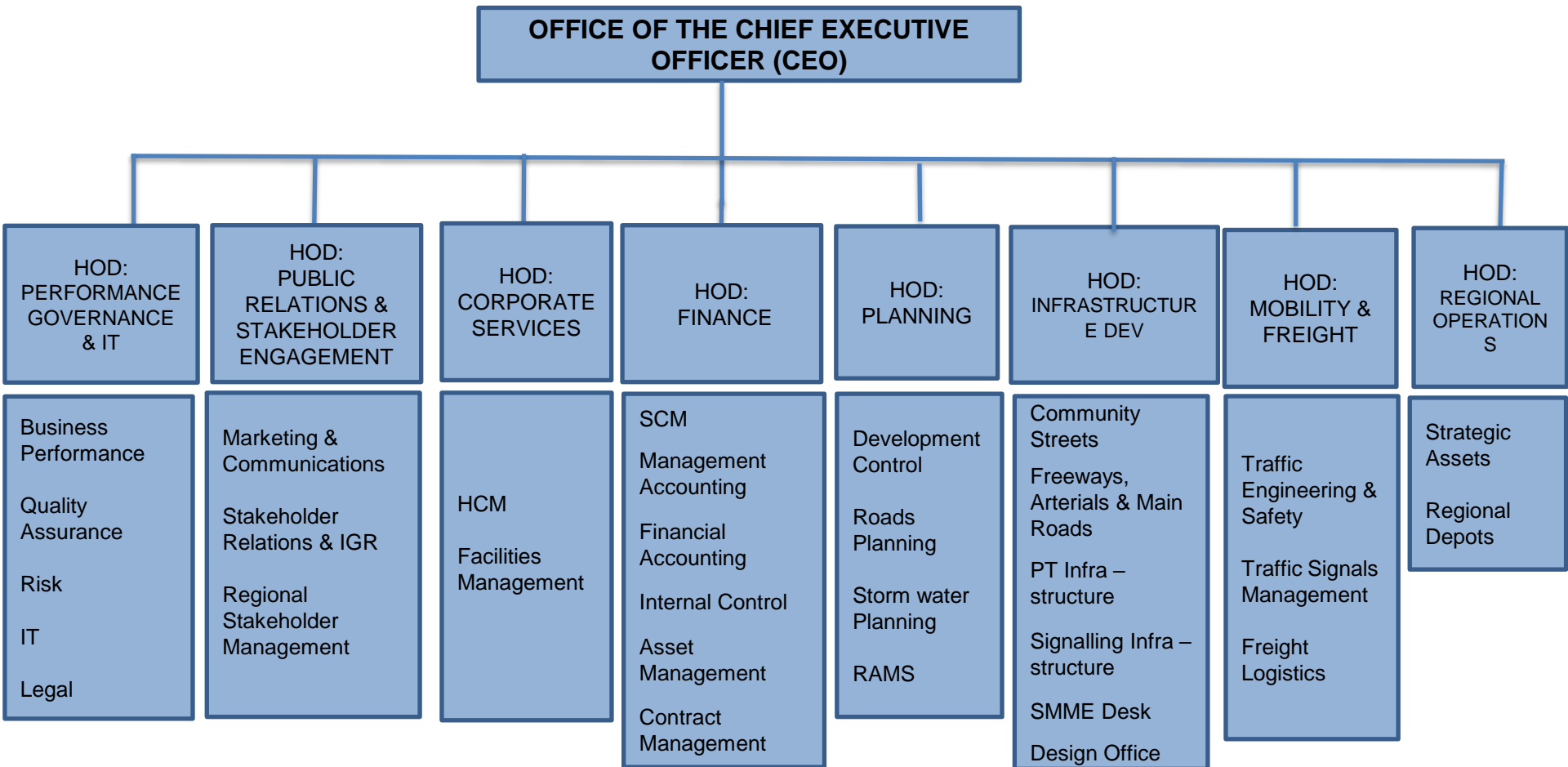
- JRA MANDATE
- JRA HIGH-LEVEL STRUCTURE
- JRA PURPOSE & MANDATE
- REGIONAL OPERATIONS
- POTHOLE PATROL



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JRA HIGH-LEVEL STRUCTURE





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JRA PURPOSE AND MANDATE

- The JRA has an **excess of 13 500 kms of surfaced and gravel roads** to maintain
- **Core purpose:** Is to drive the new 11 Mayoral priorities that are critical in forging the new strategic pathway:
 - **Good governance**
 - **Financial sustainability**
 - **Energy mix**
 - **Sustainable service delivery**
 - **Infrastructure development**
 - **Job opportunity and creation**
 - **Safer city**
 - **Active and engaged citizenry**
 - **Sustained economic growth**
 - **Green economy**
 - **Smart city**



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REGIONAL OPERATIONS

- Regional Operations is responsible for all routine maintenance related activities across the City of JHB
- This includes proactive as well as reactive maintenance activities
- This is a region-based operations with own management and own support staff
- Regional Operations have currently an estimated number of 1 185 staff members

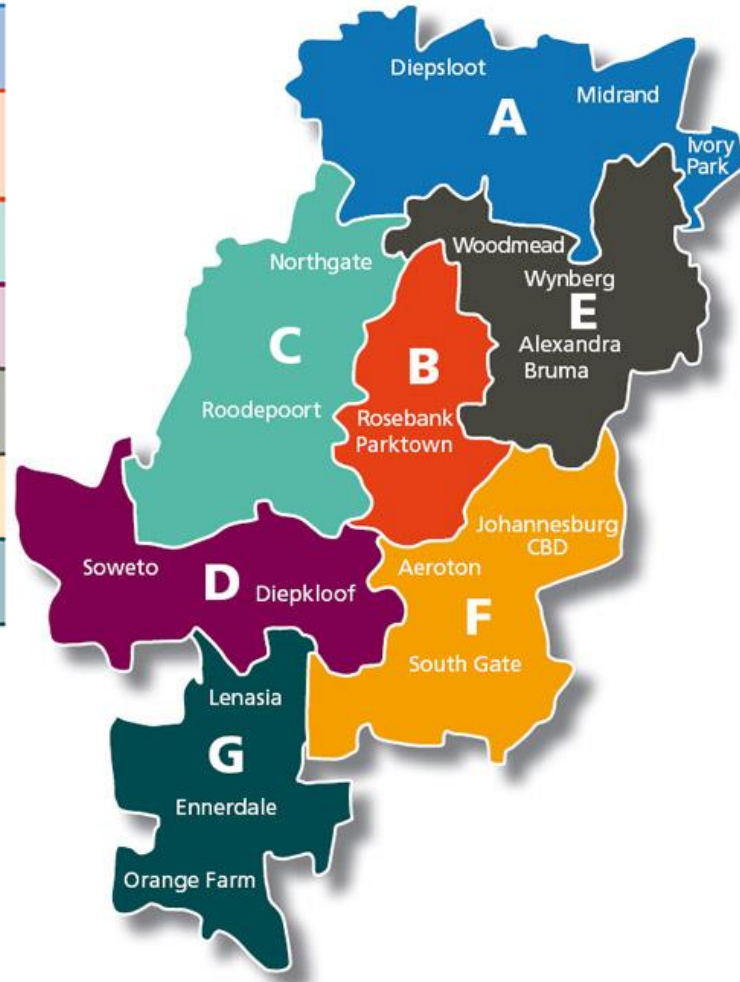


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THE REGIONS

Region A	Diepsloot, Kya Sands, Dainfern, Midrand, Lanseria, Fourways
Region B	Randburg, Rosebank, Emmarentia, Greenside, Melville, Mayfair, Northcliff, Rosebank, Parktown, Parktown North
Region C	Roodepoort, Constantia Kloof, Northgate, Florida, Bram Fischerville
Region D	Doornkop, Soweto, Dobsonville, Protea Glen
Region E	Alexandra, Wynberg, Sandton, Orange Grove, Houghton
Region F	Inner City, Johannesburg South
Region G	Orange Farm, Weilers Farm, Ennerdale, Lenasia, Eldorado Park, Protea South



OPERATIONS ANALYSIS

THERE ARE THREE (3) MAINTENANCE CATEGORIES

Routine

(Patching & Crack Sealing etc / Blading)

Periodic

(Resurfacing / Regraveling)

Scheduled

(Rehabilitation/Reconstruction)
(Upgrading to gravel/paved standards)



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POTHOLES

JRA infrastructure is ageing

- Most of the network has reached and gone beyond its design lifespan (20 to 30 years)
- Visual Condition Assessments conducted indicate JRA roads are poor to very poor in terms of the Visual Condition Index
- JRA roads require more than pothole repairs i.e. they require resurfacing, rehabilitation/reconstruction & resealing
- Potholes are a manifestation of structural failure
- Rate of road failures do not match with budget provision



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Q3 Maintenance Stats

In the last quarter:

- 7 647 potholes were repaired
- 945 kerb inlets unblocked and cleaned
- 176 manhole covers replaced
- 2 871 guardrails repaired



POTHOLE PATROL

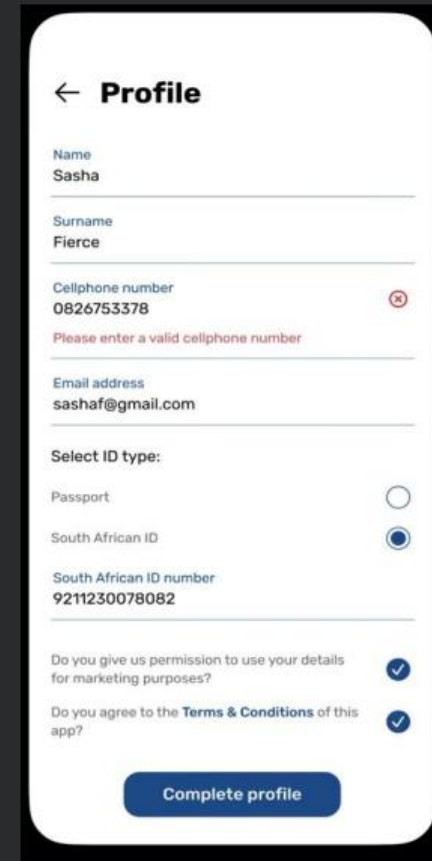
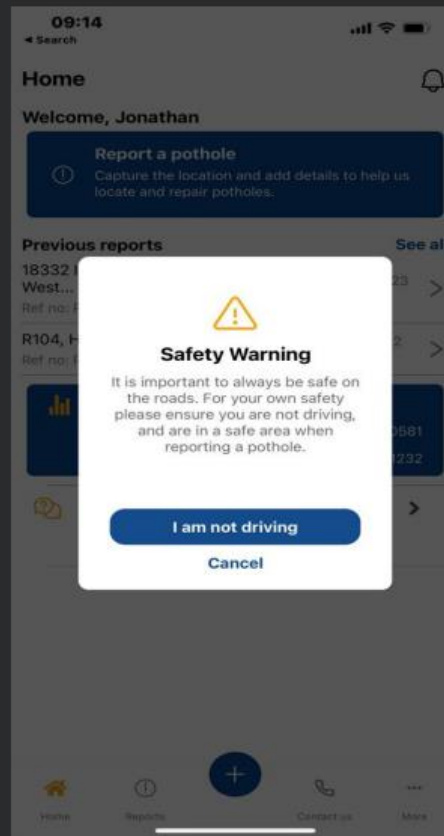




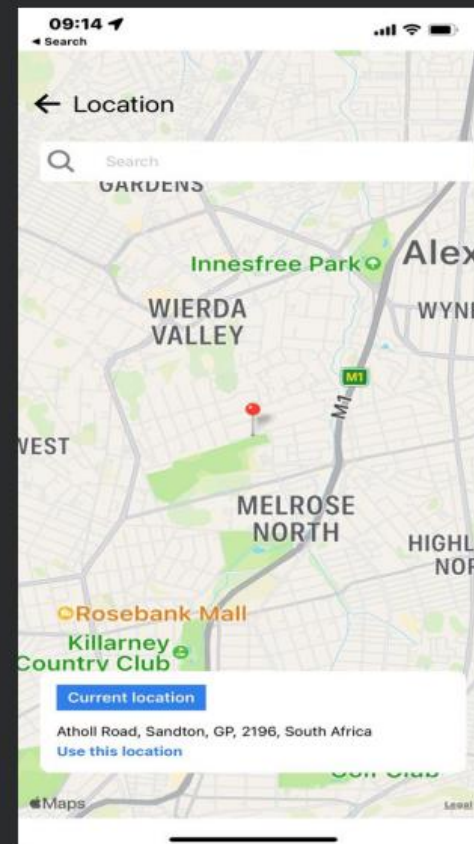
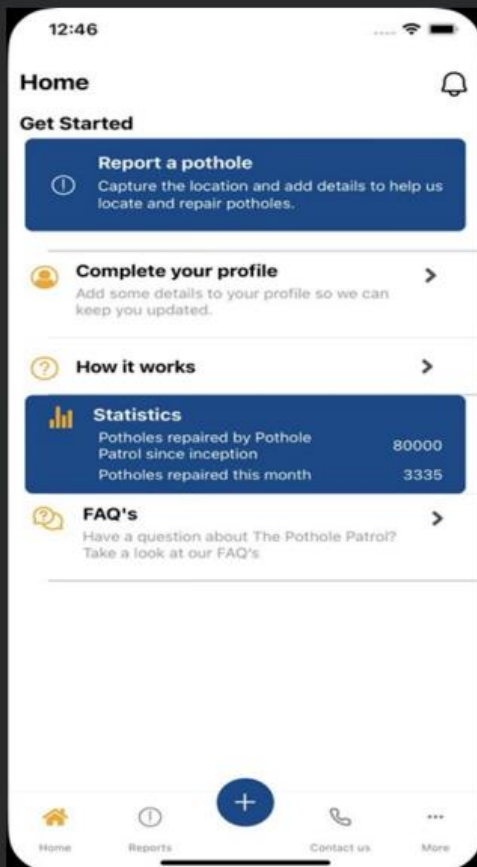
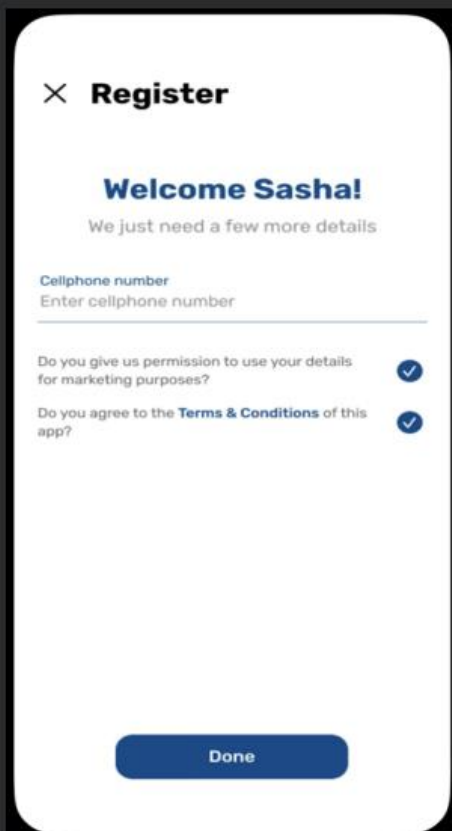
POTHOLE PATROL



CUSTOMER JOURNEY: REGISTRATION



INFORMATION SCREEN



REPORTING A POTHOLE



× Report

Location
Share the location of the pothole. This is required.

22 Karee Streets, Southdowns Business Park, Irene, Centurion, 0157

[Change location](#)

Photos
Take photos or upload images from your library. This is optional.

Photo 1

[Add photos](#)

[Submit report](#)

09:16

Search

Report successfully submitted

Thank you for reporting your pothole to us - your reference number is PP54698.

Reference number
PP54698

[Done](#)

× Report status

Southdowns Shopping Centre

22 Karee street, Southdowns Office Park, Irene, Centurion, 1750

Sandton Drive, Sandton, Gauteng, 1234

Report reference: **5696504796**

Report timeline

- Completed** 03 May 2021 20:00
- In Progress** 10 May 2021 18:39
- Reported** 03 May 2021 15:30

Photos

POTHOLE PATROL | MANAGEMENT SYSTEM



Browser tabs: New tab, jinshanling section great wall - 5, PotholePatrol-Web, QROverview - gratchjonathan@, QR Code Use Cases & Recomm...

Address bar: https://potholepatrol.co.za/web/Home

Navigation: Dashboard, View Potholes, Contact Us, Master, Reports

Pothole Status

- All Potholes (54686)
- Pothole Reported (11903)
- Inspector Allocated (4851)
- Pothole Inspected (8531)
- Repairer Allocated (8758)
- Repair Scheduled (278)
- Pothole Repaired (0)
- Repair Incomplete (252)
- QC Allocated (0)
- Repair Completed (13059)
- Outside Area (3340)
- Unable To Locate (667)
- Pothole Deleted (3047)

Statuses of Potholes

54686 +

Heat Map

- Pothole Reported (11903)
- Repair Completed (13059)
- Unable to Locate (667)
- Outside Area (3340)
- In Progress (25717)

All Allocations

54686 +

Total Potholes Reported

54686

Total Unique Potholes Reported

33513

System tray: 20°C Clear, Search, 8:42 AM 4/12/2023

MANAGEMENT SYSTEM | SUMMARY VIEW



Pothole Patrol

Pothole Status

- All Potholes (54686)
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- Pothole Deleted (3047)

Status: All Potholes | Priority: All | Updated From: 12/03/2023 | Updated To: 12/04/2023
Rows Count: 10 | Search By: Pothole Reference Ni | Search | Export

Ref.No	Reported Date	GroupName	Updated Date	Status	Action	Responsible Person	Region Name	Location
PP54246	04/04/2023	G34837	12/04/2023	Pothole Inspected	Allocate Repairer	Potshots 5	Region B	Malibongwe Drv & Republic Rd, President
PP21582	28/03/2022	G16230	12/04/2023	Repair Completed		Gashwin	Region C	1 Malibongwe Dr, Hoogland, Randburg, 21
PP54695	12/04/2023	G35055	12/04/2023	Pothole Reported	Allocate Inspector		Region G	8 Marlborough Ave, Nancefield, Soweto, 11
PP54694	12/04/2023	G27945	12/04/2023	Pothole Reported	Allocate Inspector			5 Sinjins Gate, Cedar Lakes, Randburg, 212
PP34957	08/08/2022	G23805	12/04/2023	Pothole Deleted				HG73+CH Hartbeestfontein-A, South Afric
PP54693	12/04/2023	G34478	12/04/2023	Pothole Reported	Allocate Inspector		Region C	5 Blackwood St, Florida Park, Roodepoort,
PP54692	12/04/2023	G35054	12/04/2023	Pothole Reported	Allocate Inspector		Region B	Shop CGI11, Cresta Mall Cnr Beyers Naud
PP54691	12/04/2023	G31651	12/04/2023	Pothole Inspected	Allocate Repairer	Noma		Modderfontein Taxi Rank, Valley Rd, Thorn
PP54690	12/04/2023	G31651	12/04/2023	Pothole Inspected	Allocate Repairer	Noma		Modderfontein Taxi Rank, Valley Rd, Thorn
PP54689	12/04/2023	G25763	12/04/2023	Pothole Reported	Allocate Inspector		Region B	154 Paul Kruger Rd, Randpark Ridge, Ranc

MANAGEMENT SYSTEM | INSPECTOR VIEW



Pothole Patrol

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PP21582(G16230) Back

Address 1 Malibongwe Dr, Hoogland, Randburg, 2169, South Africa

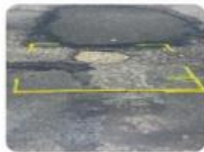
Inspector Allocated
Assigned to: Gashwin (Pothole Patrol (Pty) Ltd)
From: 13/01/2023
To: 27/01/2023
Completed On: 13/01/2023 12:50 PM
Updated By: Bongji

Pothole Inspected	Funding Details	Classification:	Pothole
Dimensions	Funding Type: Sponsorship	Priority:	Critical
Length: 19200 mm	Name:	Status:	Found
Breadth: 11000 mm	Address:	Completed On:	13/01/2023 12:50 PM
Depth: 150 mm	Contact No:	Updated By:	Bongji
Area: 22.540 Square Meter			
Estimated cost: R 27048.00			

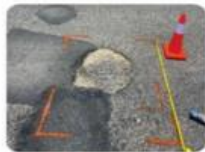
Notes:
Images



MANAGEMENT SYSTEM | INSPECTOR VIEW



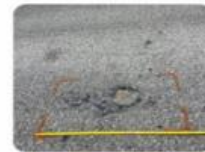
Length: 1000
Bredth: 1000
Depth: 15
Area: 1.000



Length: 1500
Bredth: 1300
Depth: 15
Area: 1.950



Length: 1800
Bredth: 1000
Depth: 15
Area: 1.800



Length: 1500
Bredth: 700
Depth: 15
Area: 1.050



Length: 1300
Bredth: 800
Depth: 15
Area: 1.040



Length: 3200
Bredth: 1400
Depth: 15
Area: 4.480



Length: 3800
Bredth: 1400
Depth: 15
Area: 5.320



Length: 1700
Bredth: 1000
Depth: 15
Area: 1.700



Length: 1400
Bredth: 1000
Depth: 15
Area: 1.400



Length: 2000
Bredth: 1400
Depth: 15
Area: 2.800

11°C
Sunny



Search



8:49 AM
4/12/2023

MANAGEMENT SYSTEM | INSPECTOR VIEW



Repairer Allocated
Date : 12/04/2023

Repairer Allocated:	Potshots 5(Pothole Patrol (Pty) Ltd)
Repair Method:	Asphalt
Completed On:	12/04/2023 08:33 AM
Updated By:	Bongi

Repair Scheduled
Date : 12/04/2023

Scheduled Date and Time:	12/04/2023 12:00 AM
Completed On:	12/04/2023 08:34 AM
Updated By:	Bongi

Pothole Repaired
Date : 12/04/2023

Dimensions	Length:	9609 mm
	Breadth:	7900 mm
	Depth:	90 mm
	Area:	12.935 Square Meters
	Final cost:	R 15522.00
Status:	Pothole Repaired	
Completed On:	12/04/2023 08:34 AM	
Updated By:	Bongi	

MANAGEMENT SYSTEM | COMPLETED INSPECTOR VIEW



New tab | jinshanling section great wall | PotholePatrol-Web | QROverview - gratchjonathan@ | QR Code Use Cases & Recomm | +

https://potholepatrol.co.za/web/PotholeSubDetails?Key=7URvZaxKITLKMjr2Cp3kw%3D%3D



Length: 1400
Bredth: 1200
Depth: 15
Area: 1.680



Length: 1300
Bredth: 1300
Depth: 15
Area: 1.690



Length: 1400
Bredth: 1300
Depth: 15
Area: 1.820



Length: 2109
Bredth: 1700
Depth: 15
Area: 3.585



Length: 2100
Bredth: 1300
Depth: 15
Area: 2.730



Length: 1300
Bredth: 1100
Depth: 15
Area: 1.430

QC Allocated

Date : 12/04/2023

Assigned to :

Gashwin (Pothole Patrol (Pty) Ltd)

From :

12/04/2023

To :

12/04/2023

Completed On:

12/04/2023 08:34 AM

Updated By:

Bongi

Notes:

MANAGEMENT SYSTEM | WORKFLOW SUMMARY



Browser tabs: New tab, jinshanling section great wall - 5, PotholePatrol-Web, QROverview - gratchjonathan@, QR Code Use Cases & Recomm...

Browser address bar: https://potholepatrol.co.za/web/PotholeDetails?Key=7URvZaxKITLKMtjr2Cp3kw%3D%3D

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Navigation: Dashboard, View Potholes, Contact Us, Master, Reports

PP21582(G16230) [View Details](#) [Back](#)

PP21582(G16230) 1 Malibongwe Dr, Hoogland, Randburg, 2169, South Africa
Priority: Critical

GPS Coordinates: (-26.039909200, 27.952360500)
Current Status: Repair Completed

Next Action:
First Reported On: 28 Mar 2022 05:00 PM
Reported On: 28 Mar 2022 05:00 PM
Updated On: 12 Apr 2023 08:34 AM
Users Reported: 1



Current Status: Repair Completed (12 Apr 2023 08:34 AM)

Workflow Progress: Pothole Reported (28/03/2022) - Inspector Allocated (13/01/2023) - Pothole Inspected (13/01/2023) - Repairer Allocated (12/04/2023) - Repair Scheduled (12/04/2023) - Pothole Repaired (12/04/2023) - QC Allocated (12/04/2023) - Repair Completed (12/04/2023)

Address: 1 Malibongwe Dr, Hoogland, Randburg, 2169, South Africa

Map: Map, Satellite, Decofurn Furniture Northriding

Notes

System tray: 11°C Sunny, Search, 8:47 AM 4/12/2023

PROGRESS REPORT



+150 000

Potholes Repaired



40

Jobs created for the youth

Pothole Patrol saves over **R18 million** per month for drivers in JHB



26% less pothole incidents in JHB compared to last year



Rest of Gauteng has seen a **45%** increase in pothole incidents





END

