



REPORT TO SUBCOUNCIL
SUBCOUNCIL 1, 3 AND 15

1. ITEM NUMBER: 01SUB 09/08/2019

2. SUBJECT

REPORT ON STATUS AND PROGRESS OF WINTER PREPAREDNESS PROGRAM WITHIN TRANSPORT: DISTRICT 1 SERVICE AREA, COVERING SUBCOUNCILS 1, 3 AND 15.

ONDERWERP

ISIHLOKO

3. PURPOSE

The purpose of this report is to inform Subcouncils 1, 3 and 15 of the status and progress of the Winter Preparedness Programme and to provide feedback on the incidents dated 4 and 5 June 2019.

4. FOR DECISION BY

Delegation: Part 24: Subcouncils

1. General

24 (1) (1)

To assess the performance of service delivery generally within their area of jurisdiction (outcome monitoring)

5. EXECUTIVE SUMMARY

Many wards within the metropolitan area of the City of Cape Town experienced some form of localized flooding during the winter season of 2018/19.

Planned maintenance was done during the current financial year and including an overview of known flooding locations received for the latest storm event of 4 and 5 June 2019.

Making progress possible. Together.

6. RECOMMENDATIONS

It is recommended that:

- (a) The contents of the report **BE NOTED**.

AANBEVELINGS

Daar word aanbeveel dat:

IZINDULULO

Kundululwe ukuba:

7. DISCUSSION/CONTENTS

(a) Outline of Service Area

The service area of Transport: Road Infrastructure and Management, District 1, covering Subcouncil 1, 15 and a portion of Subcouncil 3, including all suburbs north of N1 freeway, west of N7 freeway, and south of Maritzburg.

The area contains the following infrastructure assets at 30 June 2018:

- 11887 stormwater manholes
- 14531 stormwater catchpits
- 284 manholes and catchpit combinations
- 205 junction boxes
- 382 rodding eyes
- 274 subsoil drain manholes
- 666.95 kilometres stormwater pipes
- 1.69 kilometres connections
- 6.57 kilometres culverts
- 57.62 kilometres subsoil drainage
- 19 stormwater wet and dry ponds

(b) High risk areas prone to flooding

- Flat areas (no hills / gradients)
- Low lying areas (runoff collects here – no overland escape routes)
- Where houses are constructed lower than the road level
- Where internal stormwater (water from the roof) are not drained from the property to the road and municipal system
- Sandy areas (sand ingress into the stormwater system)
- Areas where social behaviour affect service delivery (illegal dumping of solid waste and building rubble into the stormwater system & gangsterism – not allowing teams / contractors to do necessary maintenance)

(c) Affected areas 4 – 5 June 2019:

i. In terms of ROAD FLOODINGS received:

Atlantis Depot Area

- Tsitsikama Street, Atlantis – depot investigated and reported sewer overflowing from private property into road.
- Melkbos Village, Melkbosch – depot investigated and reported sewer pump station failure resulting in sewer overflowing into road.
- Hydrangea Street, Atlantis – sediment blocking catchpit resulting in water ponding in road.
- Horn Crescent, Duynfontein – leaves blocking catchpit resulting in water ponding in the road.
- No. 4, 11th Avenue, Melkbos – recurring flooding property lower than existing road level. Detailed investigation underway.

Killarney Depot Area

- C/o Galton and Glanville Street, Tygerhof – depot investigated and reported sewer overflow on property into road.
- Clairewood Crescent, Milnerton Ridge – outlet blocked at vlei area – planned maintenance scheduled and to be completed before the end of this week.
- Pienaar Road, Milnerton – localised ponding in the road due erf lower than road level. Detailed investigation underway.
- Clifton Close, Parklands – notification received of water in road and property. Detailed investigation underway.
- Shaddock Street, Brooklyn – ponding in the road. Detailed investigation underway.
- Daniel Street, Tygerhof – roadway flooded due to capacity problems resulting from tree root invasions. Specialised CCTV inspection completed and report received on 7 June 2019.

ii. In terms of PROPERTY FLOODINGS:

- Silverleaf Street, Du Noon – Roadway and property flooded. Capacity problems due to illegal dumping of litter/debris in catchpits

(d) Planned Maintenance/Interventions during 2018/19 financial year

i.) Pipes, Catchpits, Red gullies and grids (See to Annexure A)

District 1 – Blaauwberg placed high priority on areas adjacent to informal areas. This has been ongoing since September 2018. Du Noon, Witsand and Joe Slovo have seen widespread cleaning of the pipe network, unblocking and cleaning of catchpits and canals. Fewer reports of flooding have since been received therefore indicating improved hydraulic functioning of the stormwater system. The dumping of waste and debris into open canals and catchpits remain a challenge.

The planned maintenance schedule is area specific and implemented by means of external contractors and ad-hoc depot support. These projects form part of our short to medium term preventative maintenance programme. The red gulley programme is ongoing and monitored continuously between the months of January and May.

- ii.) Dams, rivers, ponds and canal maintenance programme (See Annexure B)

Maintenance frequency of rivers and ponds are generally bi-annually. In certain instances, additional maintenance is required due to various factors such as periodic rainfall, dumping and overflowing sewers entering the system resulting in prolific vegetation growth. The maintenance of rivers and ponds include the removal of aquatic weeds, reeds and other vegetation which may impede the flow of water or has the potential to result in blockages at bridges and flow control structures. Ad-hoc inspections are carried out to ensure the structures are well maintained. In certain instances, specialized mechanical equipment is required to assist with maintenance.

7.1. Constitutional and Policy Implications

Not applicable.

7.2. Sustainability Implications

Does the activity in this report have any sustainability implications for the City?

No ☒ Yes ☐

7.3. Legal Implications

Not applicable.

7.4. Staff Implications

Does your report impact on staff resources or result in any additional staffing resources being required?

No. ☒

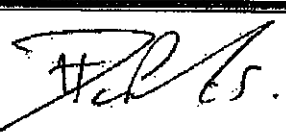
Yes. ☐

7.5. Other Services Consulted

None

FOR FURTHER DETAILS CONTACT:

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**DIRECTOR : ROADS INFRASTRUCTURE &
MANAGEMENT**
Henry du Plessis

Comment:

DATE

2019/06/19



ACTING EXECUTIVE DIRECTOR
Ernest Sass

Comment:

DATE


11/06/19


Mr W van der Westhuizen
SUBCOUNCIL1 MANAGER

DATE

7/8/2019

Comment: _____


Cllr C Clayton
SUBCOUNCIL 1CHAIRPERSON

Date

7/8/2019

