

Tel: +27(41) 506 1911, fax: +27(41) 506 2180
PO Box 7, Port Elizabeth 6000
Republic of South Africa
e-mail: lpeters@mandelametro.gov.za

DEALS WITH THIS MATTER: **Mr L Pieterse**
Tel: **(041) 506-2209** Fax: **(041) 506-2855**
Date: **18 August 2016**

Department of Economic Development, Environmental Affairs & Tourism
c/o Belmont Terrace and Castle Hill
Central
Port Elizabeth
6001

Attention: Andries Struwig / Nicole Gerber

Confirmation of bulk water supply at Seaview, Port Elizabeth.

The Nelson Mandela Bay Municipality (NMBM) hereby confirms that Phase 1 of the Seaview Bulk Water Supply Project will be able to accommodate the developments in Zones 2, 4 and 5 as per the attached drawing if the developments are as per the current Master Plan. Please note that these pipelines are bulk lines only and therefore water links will still need to be installed in order to provide water to these zones.

Phase 1 of the above mentioned project will include the construction of a 2.5MI (Top Water Level [TWL] = 79.5m) reservoir at the Seaview Complex to serve zones 1 and 4 as well as the construction of a 2.5MI reservoir with a TWL of 160m from which Zones 2 and 5 will be supplied by gravity. The water will be sourced from an expansion of the Seaview Pump Station Complex.

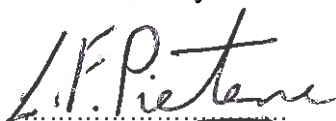
The Peak Reticulation Demands used for the design of the Bulk Water Pipelines are as follows for the zones as per the attached drawing:

- Zone 2 : 36.64l/s
- Zone 4 : 78.41l/s
- Zone 5 : 76.31l/s

Please refer to the attached Table indicating how these figures were calculated as well as the type and number of erven catered for.

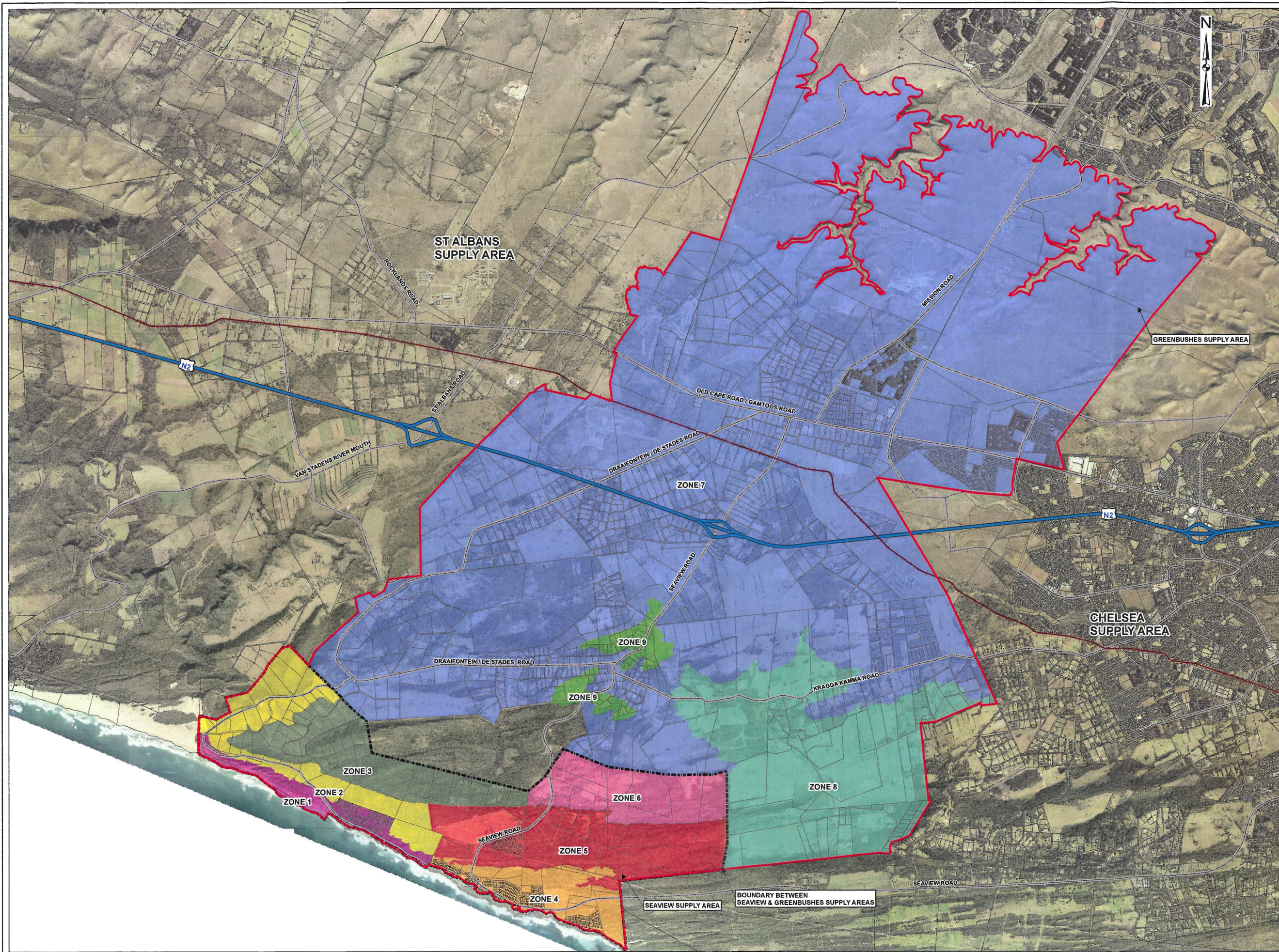
At this stage it is anticipated that the EIA of Phase 1 will be obtained in February 2017 and it should be noted that development cannot take place up until Phase 1 of the Seaview Bulk Water Supply Project has been completed and Link Water Mains have been installed in order to provide water to the developments.

Yours Faithfully



L PIETERSE
DIRECTOR
INFRASTRUCTURE & ENGINEERING

cc. Joseph Tsatsire (itsatsir@mandelametro.gov.za)
Zeno Renison (zrenison@mandelametro.gov.za)



Legend

- Study Area
- Seaview
- + Rail Narrow Gauge
- N2
- Roads
- Cadastral Erven
- Reservoir Supply Zones**
- Supply Zones 1
- Supply Zones 2
- Supply Zones 3
- Supply Zones 4
- Supply Zones 5
- Supply Zones 6
- Supply Zones 7
- Supply Zones 8
- Supply Zones 9

REV.	DESCRIPTION	DATE	APPRD.
0	FOR COMMENT	JUN 09	
DRG. No.	REFERENCE DRAWING		

BOSCH STEMELE
Consulting Engineers • Project Managers

BOSCH STEMELE (PTY) LTD.
P.O. BOX 27168, GREENACRES, P.E. 6057.
BLOCK 2, GROUND FLOOR,
GREENACRES OFFICE PARK,
2nd AVENUE, NEWTON PARK,
PORT ELIZABETH, 6045, RSA
TELEPHONE: (041) 383 0098
TELEFAX: (041) 383 7646
E-mail: info@boschstemele.co.za
www.boschstemele.co.za

REGIONAL OFFICES IN:
CAPE TOWN • DURBAN • EAST LONDON • JOHANNESBURG

COPYRIGHT AND USE OF THIS DRAWING IS RESERVED BY BOSCH STEMELE

DESIGNED	RB	DRAWN	SM
CHECKED	GC	CIVIL ENGINEER	RB
STRUCTURAL ENGINEER	N/A	MECHANICAL ENGINEER	N/A
ELECTRICAL ENGINEER	N/A	COORDINATION ENGINEER	N/A

APPROVED	PROJECT MANAGER	DIRECTOR
----------	-----------------	----------

NELSON MANDELA BAY MUNICIPALITY
SEAVIEW AND GREENBUSHES BULK WATER SUPPLY
SUPPLY ZONES

SCALE	1:36 000	DATE	06 JUNE 12
DRAWING NUMBER	8003/011/003	REVISION	A1

SUPPLY ZONE	N° OF ERVEN	ADD/ plot	ADD No of erven x ADD/plot/1000		GADD ADD x Lfr x L _o		ADPW GADD x 3.5	
			kl/day	l/s	kl/day	l/s	kl/day	l/s
SEAVIEW AREA								
Zone 1								
Coastal Zone	365	1100	401.50	4.65	507.90	5.88	1777.64	20.57
Peri-Urban Zone (P2)	10	1100	11.00	0.13	13.92	0.16	48.70	0.56
	375		412.50	4.77	521.81	6.04	1826.34	21.14
Zone 2								
Coastal Zone	630	1100	693.00	8.02	876.65	10.15	3068.26	35.51
Peri-Urban Zone (P2)	20	1100	22.00	0.25	27.83	0.32	97.41	1.13
	650		715.00	8.28	904.48	10.47	3165.66	36.64
Zone 3								
Coastal Zone	10	1100	11.00	0.13	13.92	0.16	48.70	0.56
Peri-Urban Zone (P2)	145	1100	159.50	1.85	201.77	2.34	706.19	8.17
	155		170.50	1.97	215.68	2.50	754.89	8.74
Zone 4								
Coastal Zone	1392	1100	1520.20	17.59	1923.05	22.26	6730.69	77.90
Peri-Urban Zone (P2)	9	1100	9.90	0.11	12.52	0.14	43.83	0.51
	1391		1530.10	17.71	1935.58	22.40	6774.52	78.41
Zone 5								
Urban Zone	800	300	240.00	2.78	303.60	3.51	759.00	8.78
Coastal Zone	1164	1100	1280.40	14.82	1619.71	18.75	5668.97	65.61
Peri-Urban Zone (P2)	34	1100	37.40	0.43	47.31	0.55	165.59	1.92
	1998		1557.80	18.03	1970.62	22.81	6593.56	76.31
Zone 6								
Peri-Urban Zone (P2)	16	1100	17.60	0.20	22.26	0.26	77.92	0.90
TOTAL	4585.00		4403.50	50.97	5570.43	64.47	19192.90	222.14