

# DONKERHOEK

## OUTFALL 4 ALTERNATE SEWER ROUTES

	ROUTE 1
	ROUTE 2
	ROUTE 3
	ROUTE 4

## NOTES AND SPECIFICATIONS

### GENERAL

1. ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS.
2. ALL DIMENSIONS ARE IN MILLIMETRES. (UNLESS OTHERWISE SPECIFIED)
3. DO NOT SCALE FROM THESE DRAWINGS.
4. ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
5. ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD EDITION 2005 AND THE STANDARD COT DETAIL DRAWINGS.
6. THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD DRAWINGS (IF APPLICABLE).
7. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, SERIES 4.
8. THE SIGNATURE OR INITIALS ON THIS DRAWING, OF ANY DIRECTOR OF THE PUBLIC WORKS AND INFRASTRUCTURE DEVELOPMENT DEPARTMENT, IN NO WAY REMOVES ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT.
9. THE CONSULTANT REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF THE PUBLIC WORKS AND INFRASTRUCTURE DEVELOPMENT DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH.
10. FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

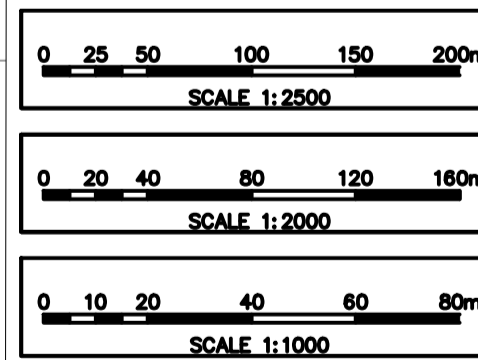
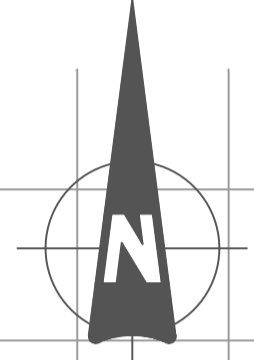
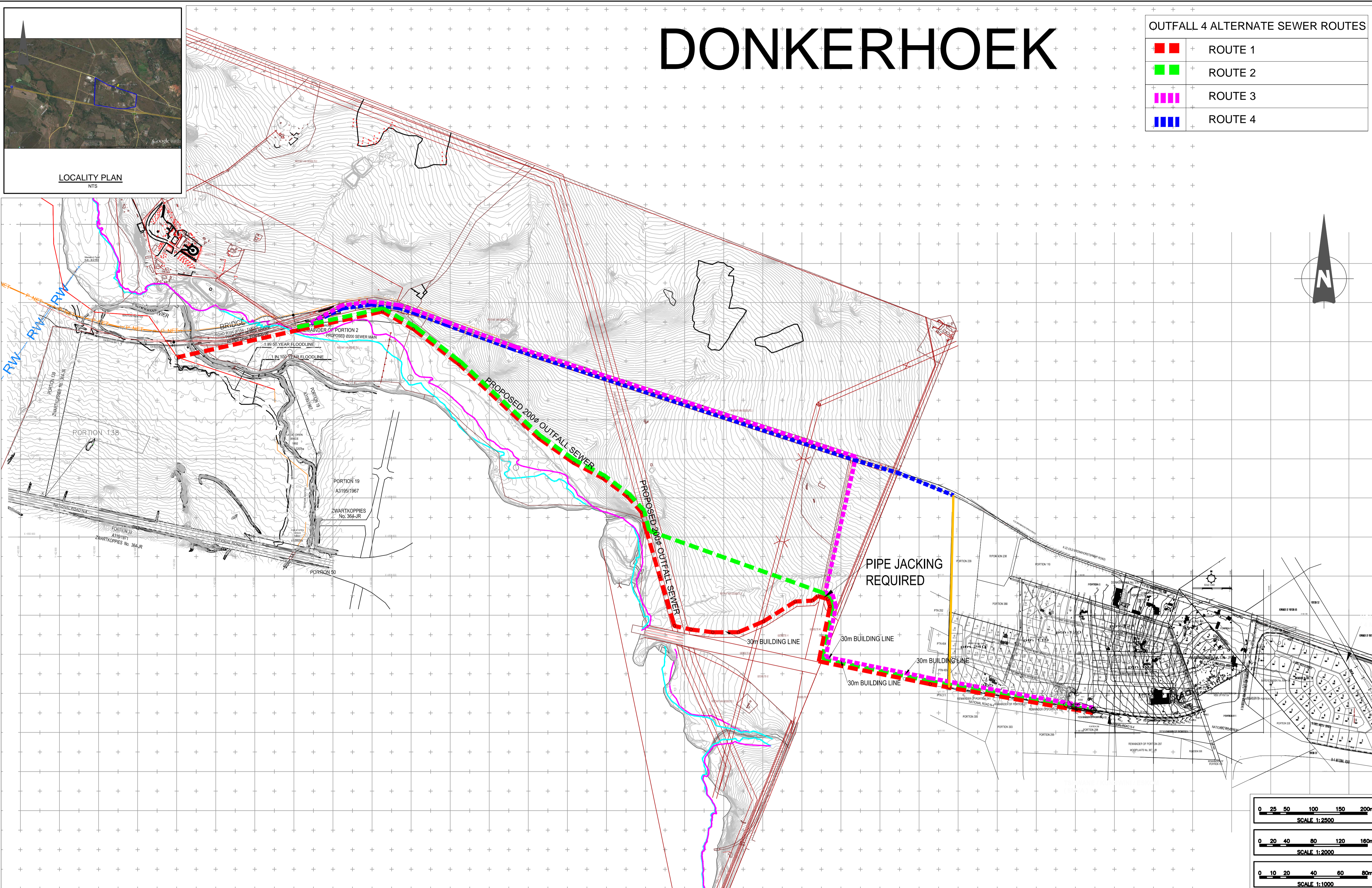
### LEGEND

#### WATER

- NEW HYDRANT
- PROPOSED / NEW PIPE
- NEW VALVE
- NEW VALVE ON EXISTING PIPE
- NEW HYDRANT ON EXISTING PIPE
- NEW END CAP
- NEW PRV
- NEW AIR VALVE
- NEW WATER METER
- EXISTING PIPE CAPPED
- EXISTING END CAP
- EXISTING NETWORK PIPE
- EXISTING BULK PIPELINE
- EXISTING HYDRANT
- NODE NUMBER
- CLOSED VALVE
- EXISTING VALVE
- EXISTING COMMUNICATION PIPES
- EXISTING AIR VALVE
- EXISTING WATER METER
- EXISTING PRV
- EXISTING PUMP
- PIPE TO BE ABANDONED
- REDUNDANT PIPE
- EXISTING RES DISTRIBUTION ZONE
- PROPOSED RES DISTRIBUTION ZONE
- EXISTING RAND WATER PIPE
- SUBURB BOUNDARY
- SASOL GAS LINE
- PETRONET PIPE
- NEW PIPE IN NEW SLEEVE

#### SANITATION

- MANHOLE
- CE / LH
- NEW CCTV INSPECTION
- EXIST. LINE INSPECTED BY CCTV
- NEW SEWER LINE
- EXISTING SEWER LINE
- HOUSE CONNECTION



**CITY OF TSHWANE**  
SERVICES INFRASTRUCTURE DEPARTMENT  
WATER AND SANITATION DIVISION

AMENDMENTS				
NR	DATE	APPROVED	DESCRIPTION	PAR

WATER AND SANITATION			
DIRECTOR: WATER AND SANITATION - PLANNING			
NAME	Prof. Reg. No.	SIGNATURE	DATE
REGIONAL DIRECTOR: (1,2,3,4,5,6 or 7)			
NAME	Prof. Reg. No.	SIGNATURE	DATE
DIRECTOR: SYSTEM DEVELOPMENT			
NAME	Prof. Reg. No.	SIGNATURE	DATE
DIRECTOR: BULK WATER			
NAME	Prof. Reg. No.	SIGNATURE	DATE
DIRECTOR: INFRASTRUCTURE PROVISION			
NAME	Prof. Reg. No.	SIGNATURE	DATE
DIRECTOR: WASTE WATER TREATMENT			
NAME	Prof. Reg. No.	SIGNATURE	DATE

**CONSULTANT DETAIL**

**Consulting Engineers and Project Managers (Pty) Ltd.**  
P.O. Box 92522  
ROCKFORD 0009  
Tel: (012) 808 1101  
Fax: (012) 808 1102  
email: info@conic.co.za

I, **F.R. Meyer (Pr. Eng)** Prof. Reg. No. 950128  
HEREBY CERTIFY THAT THE SERVICES WILL HAVE BEEN INSTALLED ACCORDING TO NOTE 9 OF THE ABOVE NOTES AND TO THE DRAWING.

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

CONSULTANT DRAWING NUMBER: **2128-300**

DESIGNED	
NAME: FRM	Pr Eng. Prof Reg No: _____
SIGNATURE: _____	DATE: 2015-07-13
DRAWN	
NAME: JP.WHYTEHEAD	Prof Reg No: _____
SIGNATURE: _____	DATE: 2015-07-13
CHECKED	
NAME: _____	Pr Eng. Prof Reg No: _____
SIGNATURE: _____	DATE: _____
INFORMATION OFFICE CHECKED	
NAME: _____	Pr Eng. Prof Reg No: _____
SIGNATURE: _____	DATE: _____
DESIGN OFFICE APPROVAL	
NAME: _____	Pr Eng. Prof Reg No: _____
SIGNATURE: _____	DATE: _____

CONTRACT	
No: _____	PROJECT No. _____
SHEET No. _____	PAPER SIZE: A0
SCALE: 1:750	DATE: 2015-07-13
PROJECT STATUS	
<input type="checkbox"/> CONCEPT DRAWING	<input type="checkbox"/> TENDER DRAWING
<input type="checkbox"/> APPROVED CONSTRUCTION DRAWING	<input type="checkbox"/> AS BUILT DRAWING
PROJECT ENGINEER of COT:	
NAME: _____ Pr Eng.	Prof Reg No: _____
SIGNATURE: _____	DATE: _____
INSPECTOR OF WORKS of COT:	
NAME: _____ Pr Eng.	Prof Reg No: _____
SIGNATURE: _____	DATE: _____

LOCATION OF PROJECT:	DONKERHOEK_FARM_PORTION_R122 N4_INDUSTRIAL_PARK
DESCRIPTION OF PROJECT:	BULK_SEWER_LAYOUT 4_ALTERNATIVE_SEWER_ROUTES_LAYOUT
WBS No.:	_____
COT DRAWING NUMBER:	_____