



GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE, IN CONFORMANCE WITH THE INFORMATION SHOWN ON THE PLANS.
2. ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SANS REQUIREMENTS.
3. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS MUST BE CHECKED AND APPROVED IN SITE.
5. DO NOT SCALE FROM THESE DRAWINGS.
6. DEPTH OF EXISTING SERVICES TO BE DETERMINED PRIOR TO EARTHWORKS COMMENCING.
7. WHEN THE CONTRACTOR DISCOVERS ANY CONFLICT BETWEEN THE DESIGN LOCATION OF WORK AND AN EXISTING UTILITY THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY.
8. IF THE CONTRACTOR ENCOUNTERS ANY UNDOCUMENTED SERVICES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND NOTIFY THE ENGINEER SO THAT ANY CONFLICTS CAN BE MITIGATED.
9. TRENCHES AND OPEN EXCAVATIONS SHALL BE APPROPRIATELY MARKED AND PROTECTED BY THE CONTRACTOR. NO TRENCHES OR EXCAVATIONS SHALL REMAIN UNPROTECTED OVERNIGHT.
10. ADJACENT LANDSCAPE AND STRUCTURES SHALL BE PROTECTED FROM CONSTRUCTION RELATED DAMAGE. CONTRACTOR SHALL CORRECT OR RESTORE SUCH DAMAGE AT CONTRACTOR'S EXPENSE.
11. ALL CO-ORDINATED INFORMATION FOUND ON THIS DRAWING IS BASED ON DATUM WGS84 SYSTEM AND PROJECTION LO27.
12. ALL TIE IN LEVELS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.

LEGEND

- PROPOSED WATER**
- PROPOSED 500Ø STEEL WATER PIPE
 - PROPOSED 450Ø STEEL WATER PIPE
 - PROPOSED 500Ø HDPE WATER PIPE
 - PROPOSED 400Ø HDPE WATER PIPE
 - EXISTING 500Ø HDPE WATER PIPE
 - PROPOSED 350Ø STEEL WATER PIPE
 - PROPOSED 630Ø HDPE WATER PIPE
- PROPOSED ROADS**
- PROPOSED PAVED ROAD
- OTHER**
- PROPOSED CONCRETE PALISADE FENCING

CONCEPT

DRG. No.	REFERENCE DRAWING

SCALE	1:2000	DATE	15.01.15
DRAWING NUMBER	4066-003-001	REV	1



BOSCH STEMELE
 Consulting Engineers • Project Managers

BOSCH STEMELE (PTY) LTD.
 P.O. BOX 4416, RANDBURG, 2125,
 147 BRAM FISCHER DRIVE,
 FERNDALE,
 JOHANNESBURG, RSA
 TELEPHONE: (011) 438 - 4370
 TELEFAX: (011) 328 - 1360
 E-mail: bsh@boschstemele.co.za
 www.boschstemele.co.za

REGIONAL OFFICES IN:
 CAPE TOWN • EAST LONDON • PORT ELIZABETH • DURBAN

DESIGNED	W.K.	DRAWN	W.B.
CHECKED	C.P.	CIVIL ENGINEER	
STRUCTURAL ENGINEER		MECHANICAL ENGINEER	
ELECTRICAL ENGINEER		CO-ORDINATION ENGINEER	
APPROVED			

LOCATION OF PROJECT: **EKURHULENI**

DESCRIPTION OF PROJECT: **CONSTRUCTION OF 10M³ RESERVOIR, 1.1M³ WATER TOWER AND PUMP STATION AT ETWATWA EXT. 19 OVERALL LAYOUT**

DATE: 2015-06-03

REV.	DESCRIPTION	DATE	APPROVED