



- NOTES:**
1. THE CONTRACTOR TO VERIFY THE LOCATION AND THE EXTENT OF ALL THE EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORK.
  2. CONNECTION INTO EXISTING BULK WATER SUPPLY TO BE CARRIED OUT BY CLIENT. THE CONTRACTOR MUST ESCAVATE COMPLETE CONNECTION, SUPPLY PIPE WITH FITTINGS, BED, LAY AND BACKFILL PIPEWORK AFTER CLIENT.
  3. ALL WATER LINES TO BE LAID 2.0m FROM THE ROAD RESERVE BOUNDARY. ALL WATER LINES TO BE TESTED UNDER ENGINEER'S SUPERVISION AND WITNESS BY WATER DIVISION PRIOR TO CONNECTION TO EXISTING BULK WATER SUPPLY.
  4. MINIMUM COVER TO ALL WATER MAINS TO BE 1000mm IN ROADWAYS AND 750mm IN SIDE WALKS.
  5. ALL UPVC PIPES (75mm - 450mm) TO BE CLASS 9 AND ALL HDPE PIPES (25mm - 450mm) TO BE SABS ISO 4427 PE83 PN10 / PE80 PN12.5.
  6. ALL VALVES TO ANTI-CLOCKWISE CLOSING CLASS 16, CI WEDGE TYPE GATE VALVES WITH NON-RISING SPINDLE, OR AS SPECIFIED.
  7. MAINS LAID UNDER THIS CONTRACT TO END 2m SHORT OF EXISTING WATER MAIN.
  8. ALL SADDLES AND FLANGES TO BE SUPPLIED WITH STAINLESS STEEL BOLTS AND NUTS.
  9. HYDRANTS TO HAVE A LONDON ROUND THREAD WITH RISING SPINDLE, CLOCKWISE CLOSING AND A MAXIMUM OVERALL HEIGHT OF 3200mm.
  10. HYDRANT SPACING CONFORMS WITH SABS 098-1972 AS AMENDED.
  11. DEPTH MAINS TO BE LAID TO A MINIMUM OF 300mm PAST THE CONNECTION POINT TO THE EXISTING RETICULATION.
  12. VALVES AND HYDRANTS TO BE INSTALLED OPPOSITE ERF BOUNDARIES.
  13. ALL CAST IRON FITTINGS TO BE CEMENT MORTAR LINED, PELLETS COATED OR FINE COATING.
  14. THRUST BLOCK DESIGN TO SABS 1200 - L.
  15. FIRE HYDRANTS TO DRAWING PSL 1, PSL2/1 AND PSL2/2.
  16. ERF SUPPLY CONNECTIONS TO DRAWINGS PSLF 2.

- LEGEND:**
- Future Reservoir(SBA)
  - Future Water Pipe(SBA)
  - Existing Water Pipe
  - Proposed 500 Water Pipe
  - Proposed 750 Water Pipe
  - Proposed Fire HYDRANT
  - Valve
  - Pressure Reducing Valve
  - Proposed Double ERF Connection
  - Proposed Single ERF Connection

**PRELIMINARY DRAWINGS ONLY**

REVISIONS			
No	Date	Details	By / Appr

**Client**  
**nelson mandela bay MUNICIPALITY**  
 PORT ELIZABETH | Uitenhage | DESPATCH

**Lead Consultant**

**Contractor**  
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**Project**  
**SEAVIEW ENGINEERING SERVICES**

**Description**  
**PROPOSED WATER RETICULATION LAYOUT OPTION 1**

<b>Contractor Signature</b>	<b>Pr. No</b>
<b>Drawn by</b> M.GUBELANA	201070260
<b>Designed by</b> Z. NYILA	<b>Approved by</b> M.J. NYILA
<b>Scale</b> NTS	<b>Date</b> 11/2016
<b>Project No</b> J201508	<b>Stage</b> P
<b>Description</b> WR	<b>Draw No</b> 10
<b>Rev</b>	<b>Of</b> 0