23. WATER
WATER TREATMENT FACILITY
SLAB LAYOUT
SCALE 1 : 50

WATER TREATMENT FACILITY
SLAB REINFORCEMENT
SCALE 1 : 50

NOTE: FOUNDATIONS ARE PRELIMINARY. FINAL DESIGN TO TAKE PLACE ONCE SUPPLIER PROVIDES LOADS TO BE APPLIED TO FOUNDATIONS. NO FOUNDATIONS TO BE CAST BEFORE FINAL INSTRUCTION FROM STRUCTURAL ENGINEER

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Scale for Reduced Plan

Notes

10
40
20
50mm on original drawing

50
0
30

Original Dwg Size A1

Drawing Number
Scale
Date

Anadarko Drawing Number

Check
Date

Project

Revisions

client:

Description

No.

Drawn by:
Signed
Date

Local PR Eng:

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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.

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AMA 1

Resettlement Village

WorlezParsons

Water Treatment Facility: Reinforcement and Foundation Details

Issued for Construction

December 2015

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### References

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<td>WATER RETICULATION LAYOUT</td>
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<td>PN 15 WATER PIPELINE</td>
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<td>PN 16 WATER PIPELINE</td>
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<td>EA-MZ-CI0000-WOR-E04-00074-01</td>
<td>ISOLATING VALVE AND CHAMBER</td>
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</table>

### Notes

- Website: www.worleyparsons.com
- Tel: +27 (0)11 218 3000
- Location: 29 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG

### Diagram Details

- **Legend:**
  1. 90mm ND HDPE PE100
  2. 100mm ND HDPE PE100
  3. ISOLATING VALVE AND CHAMBER

### Coordinate Table

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### Scale

- 1:1500

### Layout

- WATER RETICULATION LAYOUT
- Sheet 1 of 2

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RAW WATER FROM BOREHOLE FIELD

SCHEMATIC LAYOUT OF WATER TREATMENT PROCESS

1. THE LAYOUT OF THE WATER TREATMENT FACILITY AND THE TREATMENT PROCESS REQUIRED TO BE CONFIRMED UPON RECEIPT OF WATER QUALITY TEST RESULTS.
1. **COORDINATE SYSTEM:** WGS84 (ZONE 37 S)

2. **THE DIAMETER AND PRESSURE CLASS OF THE BULK WATER MAINS AND ASSOCIATED INFRASTRUCTURE DETERMINED DURING THE ITT PHASE ARE 160 mm ND, CLASS 16. BASED ON THE REVISED AND APPROVED WATER DEMANDS DETERMINED DURING THE DETAIL DESIGN PHASE THE DIAMETER AND PRESSURE CLASS OF THE BULK WATER MAINS AND ASSOCIATED INFRASTRUCTURE ARE 110 mm ND, CLASS 10. EXISTING BOREHOLE POSITIONS AND ASSUMED RD YIELDS WILL STILL NEED TO BE CONFIRMED. THE FINAL NUMBER AND POSITIONS OF BOREHOLES TO BE DEVELOPED IN THE WELL FIELD WILL DEPEND ON THE RESULTS FROM THE GEOHYDROLOGICAL INVESTIGATION. THE GEOHYDROLOGICAL INVESTIGATION AND BOREHOLE DRILLING TO BE PERFORMED BY OTHERS.

3. **THE POSITION AND DESIGN ON THE BULK WATER MAINS ARE SUBJECT TO CHANGE PENDING THE RESULTS OF THE GEOHYDROLOGICAL INVESTIGATION (POSITIONS OF BOREHOLES, SUSTAINABLE YIELDS OF BOREHOLES, ETC.).**

4. **PROPOSED BOREHOLE FIELD REFER TO DRAWING NO. EA-MZ-CI0000-WOR-E04-00070-01**