| 22 CENTRO DA ALDEIA |
23 ÁGUA
1. COORDINATE SYSTEM: WGS84 (ZONE 37 S)


3. EXISTING BOREHOLE NO'S LNG-W003 AND LNG-W004 WILL BE USED AND THE OTHER BOREHOLE POSITIONS ARE ASSUMED AND STILL NEED TO BE CONFIRMED. THE POSITIONS AND DESIGNS 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. 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.).

LEGEND:
1. BULK WATER PIPELINE

WATER STORAGE AND TREATMENT FACILITIES REFER TO DRAWING NO. EA-MZ-CI0000-WOR-E04-00072-01

PROPOSED BOREHOLE FIELD REFER TO DRAWING NO. EA-MZ-CI0000-WOR-E04-00070-01
RAW WATER FROM BOREHOLE FIELD → G.S. → PUMP → E.T. → CLEAR WATER TO RETICULATION NETWORK

G.S. → PI → GROUND LEVEL STORAGE TANK → LEVEL INDICATOR → PRESSURE INDICATOR → AUTOMATIC BALL VALVE → CARBON FILTER → G.S. → F.W. → SANDBOX → INJECTOR → STATIC MIXER → SAND FILTER → FILTERED WATER STORAGE → PUMPS → HIGH LEVEL LOW LEVEL LEVEL SWITCH → SF → SF → SF → SF → FILTERS → TYPICAL CONTAINER LAYOUT

ESWATINI WATER TREATMENT PROCESS LAYOUT

Backwash water to sludge lagoon
REFERENCES

COORDINATE TABLE

COORDINATE TABLE

LEGEND:
1. 90mm ND HDPE PE100 PN 16 WATER PIPELINE
2. 63mm ND HDPE PE100 PN 16 WATER PIPELINE
3. ISOLATING VALVE AND CHAMBER

ISSUED FOR CONSTRUCTION

NOTES

REVISIONS

WorleyParsons
resources & energy

ANADARCO DRAWING NO. DRAWING DESCRIPTION

AM1 RESETTLEMENT VILLAGE WATER RETICULATION LAYOUT SHEET 1 OF 2

SCALE FOR REDUCED PLAN
ISSUED FOR CONSTRUCTION

LEGEND:
1. 90mm HDPE PE100 PN 10 WATER PIPELINE
2. 63mm HDPE PE100 PN 15 WATER PIPELINE
3. ISOLATING VALVE AND CHAMBER

WATER PIPELINES TO BE INSTALLED
WATER STORAGE AND TREATMENT FACILITIES

COORDINATE TABLE
POINT | X | Y
--- | --- | ---
X1 | 920352.102 | 920352.102
X2 | 920352.102 | 920352.102

COORDINATE TABLE
POINT | X | Y
--- | --- | ---
X3 | 920352.102 | 920352.102
X4 | 920352.102 | 920352.102

COORDINATE TABLE
POINT | X | Y
--- | --- | ---
X5 | 920352.102 | 920352.102
X6 | 920352.102 | 920352.102

COORDINATE TABLE
POINT | X | Y
--- | --- | ---
X7 | 920352.102 | 920352.102
X8 | 920352.102 | 920352.102

REFERENCES
ANADARKO DRAWING NO. | DRAWING DESCRIPTION
--- | ---
AN-MZ-C0003-WOR-E11-00002-01 | GENERAL LAYOUT
AN-MZ-C0003-WOR-E04-00065-01 | WATER RETICULATION LAYOUT
AN-MZ-C0003-WOR-E34-00086-01 | WATER RETICULATION KEY PLAN
AN-MZ-C0003-WOR-E34-00087-01 | WATER RETICULATION LAYOUT SHEET 1 OF 2
AN-MZ-C0003-WOR-E11-00003-01 | DETAILS OF NETWORK INCLUDING EXCAVATION SIZES
AN-MZ-C0003-WOR-E11-00004-01 | OUTLINE OF NETWORK INCLUDING EXCAVATION SIZES
AN-MZ-C0003-WOR-E11-00004-01 | TYPICAL TRANSIT DETAILS

NOTES
MANAGER: L PADAYACHEE
03/12/2015 03/12/2015
03/12/2015 03/12/2015

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TEL: +27 (0)11 218 3000

CONSTRUCTION

MANAGER: L PADAYACHEE
03/12/2015 03/12/2015
03/12/2015 03/12/2015

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CONSTRUCTION
WATER TREATMENT FACILITY

SLAB LAYOUT

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.

WATER TREATMENT FACILITY
SLAB REINFORCEMENT
SCALE 1 : 50

REFERENCES:
- REFER TO STRUCTURAL GENERAL NOTES EA-MZ-CI0000-WOR-B18-00001-01
- REFER TO BULK WATER DRAWING EA-MZ-CI0000-WOR-E04-00071-01
- REFER TO BENDING SCHEDULE 38 ON DRAWING EA-MZ-CI0100-WOR-E05-00066-01
DETAILS OF ISOLATING VALVE INSTALLATION AND CHAMBER: WATER RETICULATION NETWORK

NOT TO SCALE

ISOLATING VALVE AND CHAMBER DETAIL

WV VSTADEN
03/12/2015

LH LOUW
03/12/2015

LH LOUW
03/12/2015

LH LOUW
20090253
03/12/2015

AMA 1
RESETTLEMENT VILLAGE

TYPE 3A POLYMER CONCRETE
VALVE BOX TO SANS 1882 WITH
CHAIN FIXED TO COVER AND FRAME

COMPACT MATERIAL
TO NO. 130 Mix

FINISHED LEVEL

200mm PVC SLIP-IN

NORMAL PIPE SUPPORT
SYSTEM (BEDDING)

90mm ND PN 10 FLANGED
RESILIENT SEATED GATE
VALVE (TABLE 1000/3)

FOR 90mm ND HDPE PE100 PN 10 PIPES USE
APPLICABLE FLANGE AND GATE VALVE SIZES

90mm ND HDPE PE100 PN 10 FLANGED
RESILIENT SEATED GATE
VALVE (TABLE 1000/3)

FOR 63mm ND HDPE PE100 PN 10 PIPES USE
APPLICABLE FLANGE AND GATE VALVE SIZES

REFERENCES

ANALOGUOUS DRAWING NO.
DRAWING DESCRIPTION
QA-WG00-WW21-0205/01
WATER RETICULATION SHEET 1 OF 3
QA-WG00-WW21-0205/02
WATER RETICULATION SHEET 2 OF 3
QA-WG00-WW21-0205/03
WATER RETICULATION SHEET 3 OF 3

NOTES

SCALE FOR REDUCED PLAN

CLIENT:

DRAWING NUMBER

DATE

ANADARKO DRAWING NUMBER

CHECKED

DATE

PR ENG:

DESIGNER:

CHECKED:

DRAWN BY:

NAME

SIGNATURE

DATE

LOCAL PR ENG:

MANAGER:

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DECEMBER 2015

AS SHOWN

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WvS

ISSUED FOR CLIENT APPROVAL

WvS

ISSUED FOR CONSTRUCTION

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