



NOTES

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

- ARCHITECTURAL
- EA-MZ-CI0100-WOR-E04-01604-01
 - EA-MZ-CI0100-WOR-E04-00505-01
 - EA-MZ-CI0100-WOR-E04-00605-01
 - EA-MZ-CI0100-WOR-E04-00015-01
 - EA-MZ-CI0100-WOR-E04-00302-01
 - EA-MZ-CI0100-WOR-E04-00705-01
 - EA-MZ-CI0100-WOR-E04-01526-01
 - EA-MZ-CI0100-WOR-E05-00575-01
 - EA-MZ-CI0100-WOR-E05-01130-01
 - EA-MZ-CI0100-WOR-E05-01430-01
 - EA-MZ-CI0100-WOR-E04-00020-01
 - EA-MZ-CI0100-WOR-E04-00024-01
 - EA-MZ-CI0100-WOR-E04-00031-01
 - EA-MZ-CI0100-WOR-E05-00146-01

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REVISIONS

NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	12/08/15	MM	AP	ISSUED FOR INTERNAL REVIEW
B	12/08/15	MM	AP	ISSUED FOR DETAIL DESIGN
C	12/08/15	MM	AP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
E	16/11/15	MM	AP	ISSUED CLIENT APPROVAL
0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION

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arquitectos

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CHECKED:	MM		
DESIGNER:	AP		
PR ENG:			
PROJECT ENG MANAGER:	L PADAYACHEE		
LOCAL PR ENG:			
CLIENT:			

MOZAMBIQUE
GAS DEVELOPMENT PROJECT

Anadarko
Moçambique Area 1, Lda

PROJECT
AMA 1
RESETTLEMENT
VILLAGE

DRAWING DESCRIPTION

PLANTA DO CENTRO DA VILA

VILLAGE CENTER MASTERPLAN

SCALE AS SHOWN ORIGINAL DWG SIZE A1 DATE NOVEMBER 2015

DRAWING NUMBER C00290-00-AR-DLP-0027-001 REV NO 0

ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E04-00900-01

1 Village Center Location

No Scale



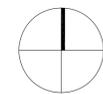
2 Village Center MasterPlan

Scale: 1:1000



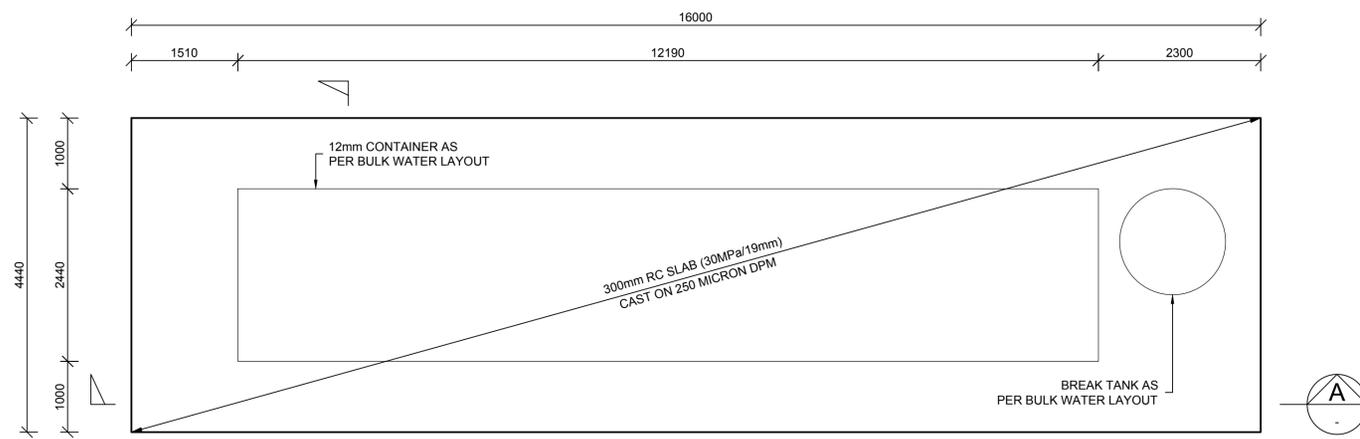
KEY:

- 1 Escola Primária Primary School
- 3 Centro Comunitário Community Centre
- 4 Clínica Health Clinic
- 5 Posto Administrativo Local Administration
- 6 Posto Policial Police Station
- 7 Mercado Market
- 8 Paragem de Transportes Publicos Bus Stop
- 9 Campo Desportivo Public Sports Field



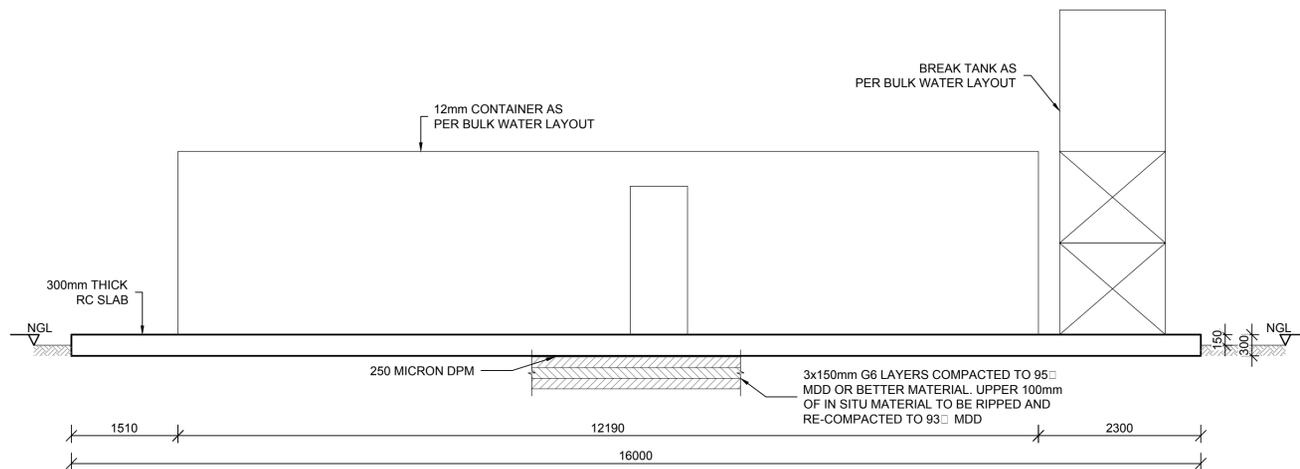
	<i>Mozambique Gas Development</i>		 Moçambique Área 1, Lda 
	Resettlement Plan		
	Annex I: Construction drawings		
Rev. 1	Rev Date: 27-May-16		

23. WATER

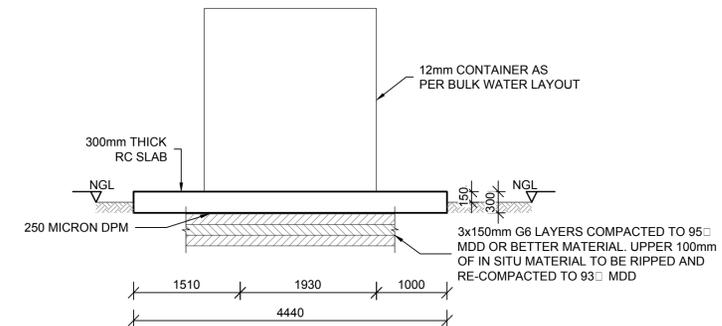


**WATER TREATMENT FACILITY
SLAB LAYOUT**
SCALE 1 : 50

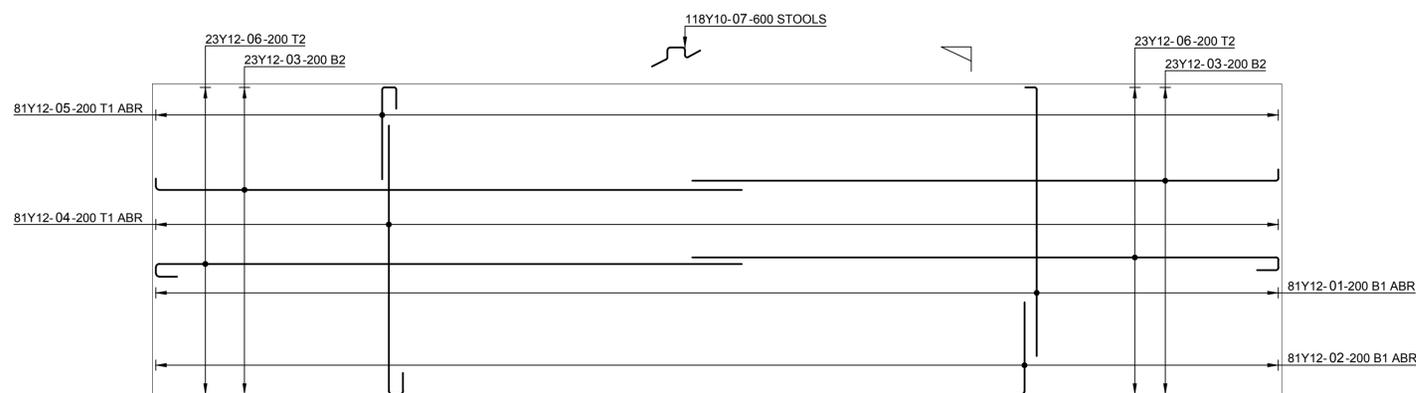
NOTE: FOUNDATIONS ARE PRELIMINARY. FINAL DESIGN TO TAKE PLACE ONCE SUPPLIER PROVIDES LOADS TO BE APPLIED TO FOUNDATIONS. NO FOUNDATIONS TO BE CAST BEFORE FINAL INSTRUCTION FROM STRUCTURAL ENGINEER



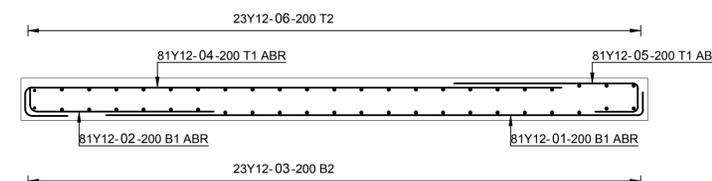
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



**WATER TREATMENT FACILITY
SLAB REINFORCEMENT**
SCALE 1 : 50



SECTION C
SCALE 1:25



NOTES

- 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

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D	15/10/15	TS	NR	ISSUED FOR CLIENT REVIEW
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MOZAMBIQUE
GAS DEVELOPMENT PROJECT

Anadarko
Moçambique Área 1, Lda

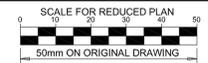
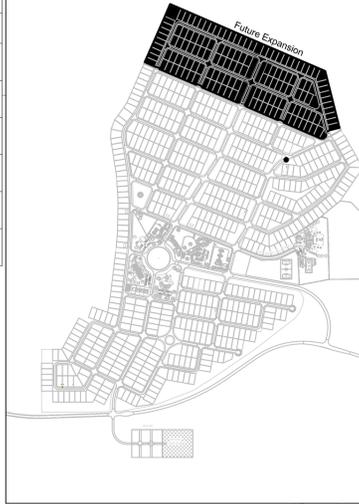
PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**WATER TREATMENT
FACILITY:
REINFORCEMENT AND
FOUNDATION DETAILS**

SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DEC 2015
DRAWING NUMBER C00290-00-ST-DRD-0029-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E05-00059-01	

REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00049-02	RESIDENTIAL UNITS: DETAILS OF ENVIRO LOO INSTALLATION SHEET 2 OF 2
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00033-03	DETAILS OF CONNECTIONS SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100-WOR-E05-00120-01	RESIDENTIAL UNITS: INTERNAL RETICULATIONS



NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED ON DRAWING.

LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE
- WATER METER BOX

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A	09/09/15	LL	BvS	ISSUED FOR INTERNAL REVIEW
B	11/09/15	LL	BvS	ISSUED FOR DETAIL DESIGN
C	01/10/15	LL	BvS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	BvS	ISSUED FOR SQUAD CHECK
E	02/11/15	LL	BvS	ISSUED FOR CLIENT APPROVAL
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PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

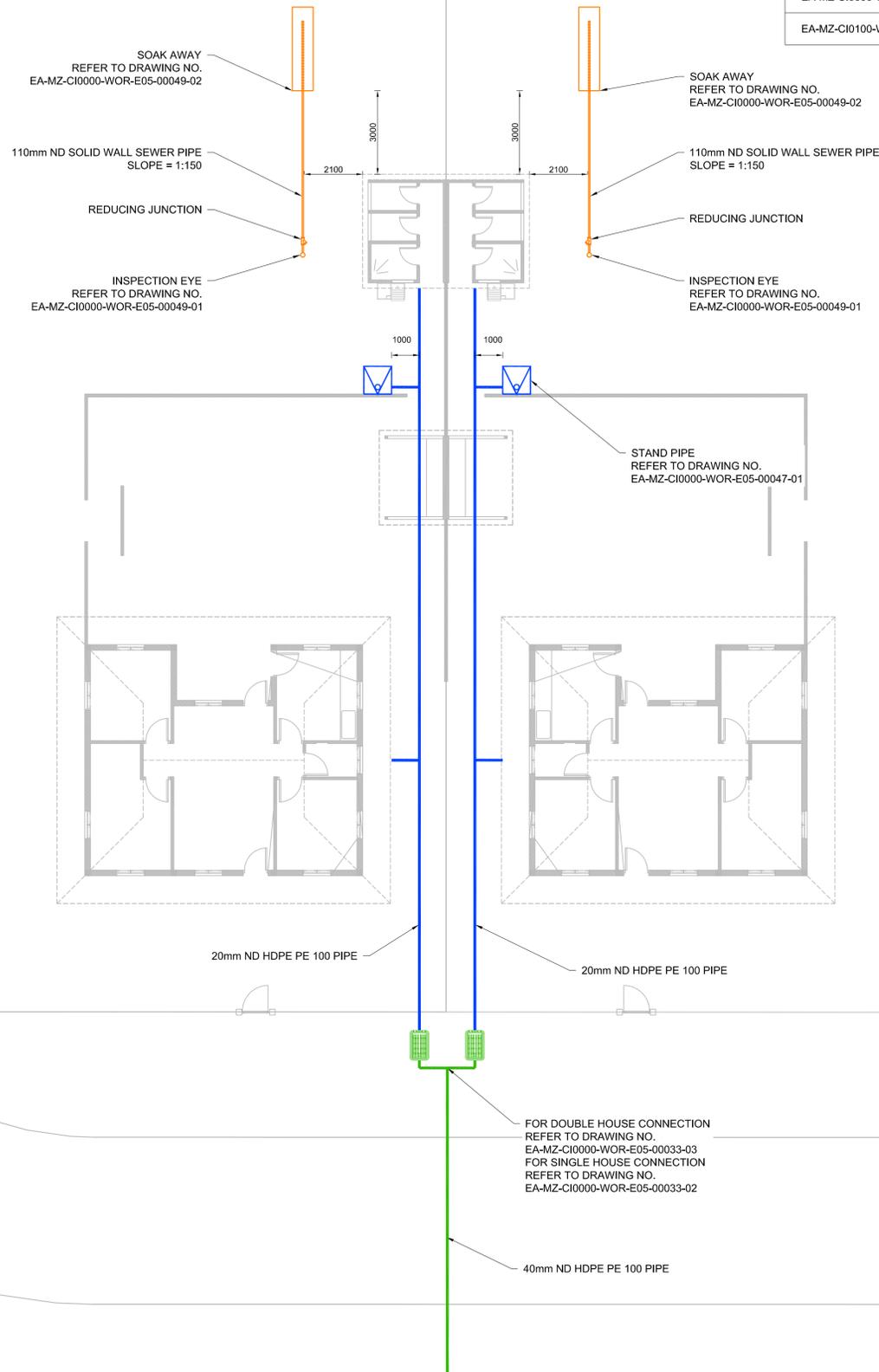
CLIENT

PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**RESIDENTIAL UNITS:
WATER AND SANITATION
LAYOUT**

SHEET 1 OF 2

SCALE NOT TO SCALE ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DRD-0018-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00048-01	





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A	24/07/15	LL	WWS	ISSUED FOR INTERNAL REVIEW
B	06/08/15	LL	WWS	ISSUED FOR DETAIL DESIGN
C	29/09/15	LL	WWS	ISSUED FOR SQUAD CHECK
D	05/10/15	LL	WWS	ISSUED FOR CLIENT REVIEW
E	06/11/15	LL	WWS	ISSUED FOR CLIENT APPROVAL
0	03/12/15	LL	WWS	ISSUED FOR CONSTRUCTION

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DESIGNER: LH LOUW		03/12/2015
PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

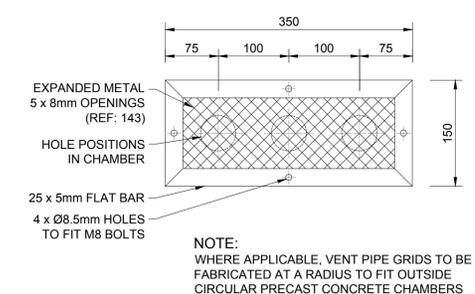
MOZAMBIQUE
GAS DEVELOPMENT PROJECT

Anadarko
Moçambique Área 1, Lda

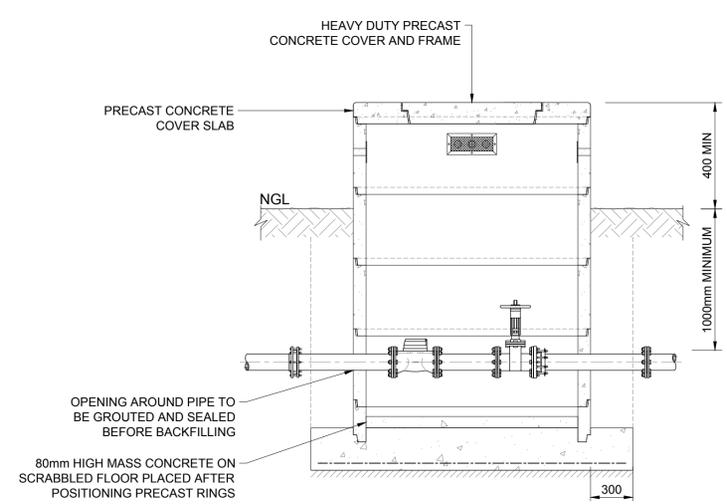
PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**DETAILS OF WATER
METER AND ISOLATING
VALVE INSTALLATION
AND CHAMBER**

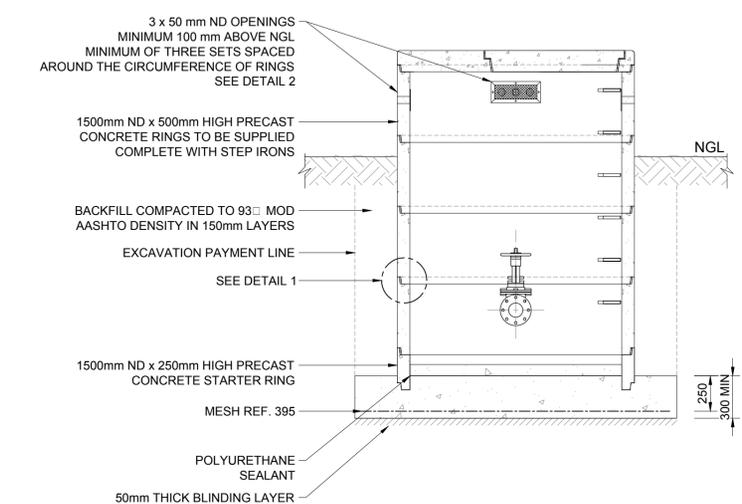
SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DRD-0004-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E05-00035-01	



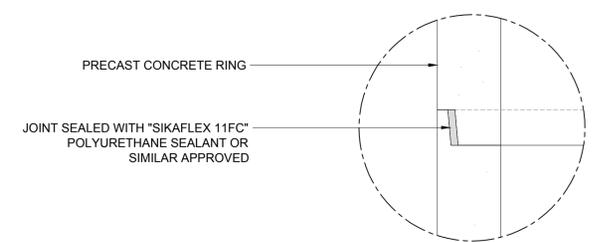
DETAIL 2: VENTILATION GRID
SCALE 1:5



SECTION A
SCALE 1:25



SECTION B
SCALE 1:25



DETAIL 1: TYPICAL JOINT DETAIL
SCALE 1:5

WATER METER AND ISOLATING VALVE INSTALLATION FOR 110mm ND PIPES PER CHAMBER

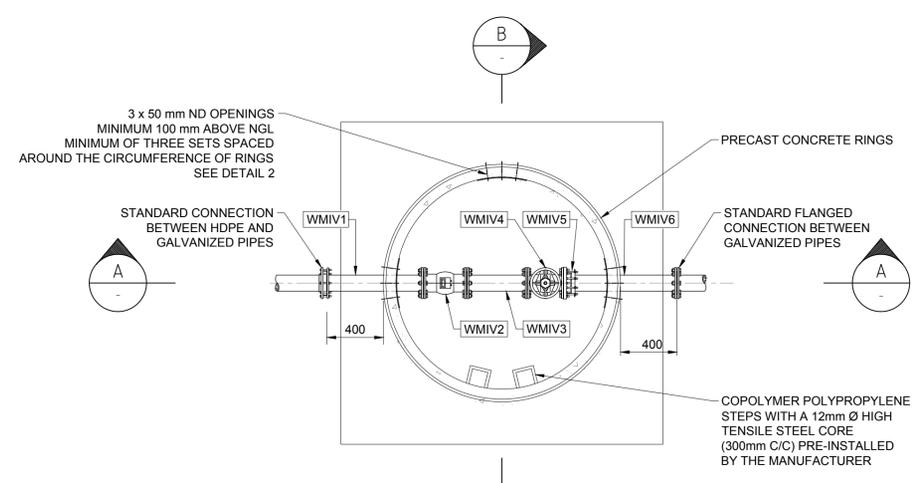
ITEM No.	DESCRIPTION	QTY	FLANGES	PRESSURE RATING (BAR)
WMIV1	100mm ND x ±685mm LONG HDGMS PIPE WITH BOTH ENDS FLANGED.	1	TABLE 1600	-
WMIV2	100mm ND FLANGED ELECTROMAGNETIC WATER METER WITH READING UNIT AND SCREEN MOUNTED ON METER. THE METER MUST BE CAPABLE OF MEASURING FLOWS OF BETWEEN 10 m³/h and 45 m³/h.	1	TABLE 1600	16
WMIV3	100mm ND x ±430mm LONG HDGMS PIPE WITH BOTH ENDS FLANGED.	1	TABLE 1600	-
WMIV4	100mm ND FLANGED RESILIENT SEATED GATE VALVE.	1	TABLE 1600	16
WMIV5	100mm ND DISMANTLING JOINT.	1	TABLE 1600	16
WMIV6	100mm ND x ±730mm LONG HDGMS PIPE WITH ONE END FLANGED. LENGTH TO SUIT DISMANTLING JOINT.	1	TABLE 1600	-

PLEASE NOTE THAT 'HDGMS' STANDS FOR HOT DIPPED GALVANIZED MILD STEEL

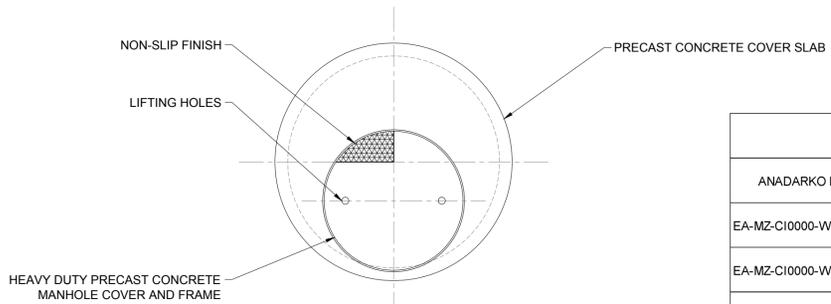
NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
- PIPE MATERIAL: MAIN LINES AS PER LONGITUDINAL SECTIONS.
- UNLESS OTHERWISE STATED, THE FOLLOWING SHALL APPLY TO ALL STEEL PIPES AND SPECIALS:

PIPE ND (mm)	PIPE WALL THICKNESS (mm)	SPECIFICATION
50	3.910	ASTM A106 GRADE B
80	5.490	ASTM A106 GRADE B
100	6.020	ASTM A106 GRADE B
150	7.110	ASTM A106 GRADE B
200	5.000	API 5L GRADE X42
250	5.000	API 5L GRADE X42
350	6.000	API 5L GRADE X42
400	6.000	API 5L GRADE X42
- CORROSION PROTECTION: STEEL PIPES, SPECIALS AND FLANGES PASSING THROUGH CHAMBER WALLS AND OUTSIDE CHAMBERS (SOIL), TO BE TAPE WRAPPED.
- CONCRETE: STRENGTH REQUIREMENT AT 28 DAYS: STRUCTURAL CONCRETE GRADE 30/19 MPa BLINDING AND MASS CONCRETE FILLING GRADE 15/19 MPa FINISHES: ROUGH: CONCEALED SURFACES BELOW FINISHED GROUND LEVEL, EXCEPT INSIDE CHAMBERS. REFER TO THE SPECIFICATIONS. SMOOTH: ALL SURFACE FINISHES NOT CLASSIFIED AS "ROUGH" ABOVE SHALL BE CLASSIFIED AS "SMOOTH". REFER TO THE SPECIFICATIONS. ALL EXPOSED EDGES TO HAVE 20 x 20mm CHAMFERS.
- ALL STEEL BOLTS AND NUTS AND ANCHOR BOLTS INTO CONCRETE SHALL BE STAINLESS STEEL GRADE 304.



TYPICAL FLOOR PLAN
SCALE 1:25



ROOF PLAN
SCALE 1:25

REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0000-WOR-E04-00072-01	STORAGE AND TREATMENT FACILITIES LAYOUT
EA-MZ-CI0000-WOR-E05-00044-01	DETAILS OF GROUND LEVEL STORAGE FACILITY AND PIPEWORK
EA-MZ-CI0000-WOR-E05-00045-01	DETAILS OF ELEVATED STORAGE FACILITY AND PIPEWORK

COORDINATE TABLE		
POINT	Y	X
42	662875.999	8801321.111
43	662877.847	8801411.073
44	662894.371	8801410.734
45	662877.392	8801441.258
46	662873.496	8801499.328
47	662895.131	8801500.780
48	662871.493	8801529.177
49	662857.158	8801620.800
50	662873.499	8801623.357
51	662850.788	8801659.307
52	662852.431	8801679.004
53	662858.056	8801696.443
54	662883.927	8801731.070

COORDINATE TABLE		
POINT	Y	X
55	662899.139	8801719.706
56	662890.781	8801740.244
57	662905.980	8801765.386
58	662930.771	8801821.638
59	662969.084	8801908.575
60	663212.066	8801603.505
61	663202.460	8801582.784
62	663050.634	8801348.868
63	663240.871	8801176.268
64	663259.836	8801248.756
65	663268.348	8801268.476
66	663310.481	8801336.289
67	663333.202	8801236.970

COORDINATE TABLE		
POINT	Y	X
68	663381.532	8801229.170
69	663415.870	8801235.420
70	663470.422	8801260.768
71	663379.459	8801308.992
72	663448.642	8801342.726
73	663488.342	8801369.297
74	663478.718	8801383.676
75	663362.490	8801520.198
76	663390.627	8801513.324
77	663497.733	8801501.327
78	663510.969	8801504.475
79	663542.282	8801405.398
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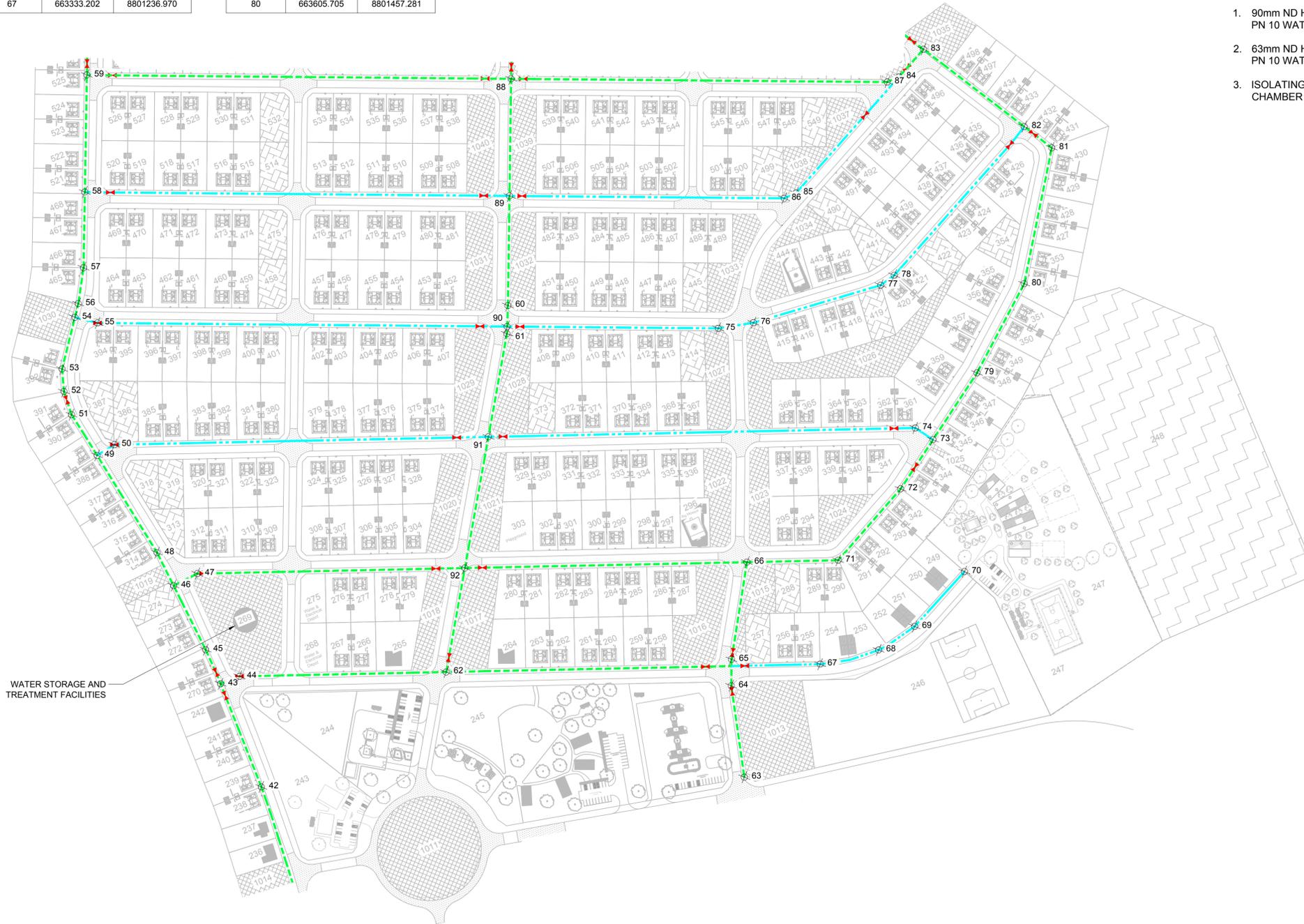
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84	663577.000	8801651.415
85	663463.306	8801596.937
86	663452.777	8801596.725
87	663566.471	8801651.203
88	663285.751	8801772.079
89	663247.697	8801685.033
90	663204.902	8801588.052
91	663156.143	8801511.424
92	663097.285	8801420.742



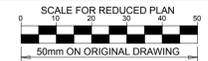
REFERENCES	
ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0000-WOR-E04-00065-01	GENERAL LAYOUT
EA-MZ-CI0000-WOR-E04-00073-01	WATER RETICULATION LAYOUT
EA-MZ-CI0000-WOR-E04-00074-01	WATER RETICULATION KEY PLAN
EA-MZ-CI0000-WOR-E04-00075-01	WATER RETICULATION LAYOUT SHEET 1 OF 2
EA-MZ-CI0000-WOR-E11-00002-01	DETAILS OF ISOLATING VALVE INSTALLATION AND CHAMBER: WATER RETICULATION NETWORK
EA-MZ-CI0000-WOR-E11-00032-01	DETAILS OF THRUST BLOCKS FOR T-PIECES AND BENDS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS

LEGEND:

- 1. 90mm ND HDPE PE100 PN 10 WATER PIPELINE ---
- 2. 63mm ND HDPE PE100 PN 10 WATER PIPELINE ---
- 3. ISOLATING VALVE AND CHAMBER ✂



WATER STORAGE AND TREATMENT FACILITIES



NOTES

1. WATER PIPELINES TO BE INSTALLED 2 METRES FROM STAND BOUNDARY WITHIN THE ROAD RESERVE.

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D	05/10/15	LL	WVS	ISSUED FOR CLIENT REVIEW
E	02/11/15	LL	WVS	ISSUED FOR CLIENT APPROVAL
O	03/12/15	LL	WVS	ISSUED FOR CONSTRUCTION

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DESIGNER: LH LOUW		03/12/2015
PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG. MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

CLIENT

MOZAMBIQUE
GAS DEVELOPMENT PROJECT

Anadarko
Moçambique Área 1, Lda

PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**WATER
RETICULATION
LAYOUT**

SHEET 2 OF 2

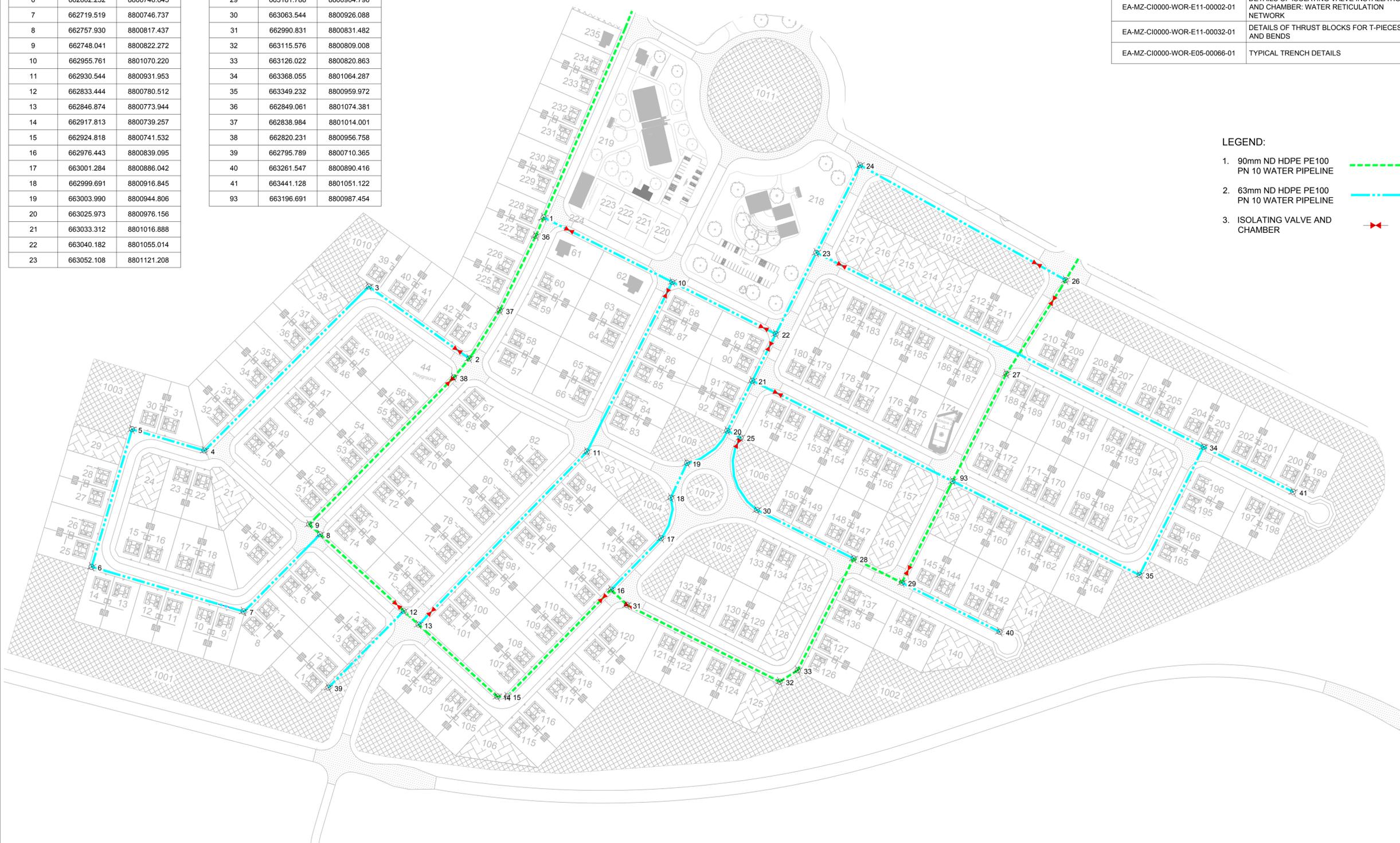
SCALE 1:2000 ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DAL-0008-002	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E04-00076-02	

COORDINATE TABLE

POINT	Y	X
1	662850.855	8801089.102
2	662827.257	8800973.495
3	662740.931	8801003.503
4	662658.229	8800852.679
5	662602.232	8800852.679
6	662602.232	8800746.645
7	662719.519	8800746.737
8	662757.930	8800817.437
9	662748.041	8800822.272
10	662955.761	8801070.220
11	662930.544	8800931.953
12	662833.444	8800780.512
13	662846.874	8800773.944
14	662917.813	8800739.257
15	662924.818	8800741.532
16	662976.443	8800839.095
17	663001.284	8800886.042
18	662999.691	8800916.845
19	663003.990	8800944.806
20	663025.973	8800976.156
21	663033.312	8801016.888
22	663040.182	8801055.014
23	663052.108	8801121.208

COORDINATE TABLE

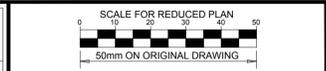
POINT	Y	X
24	663064.951	8801192.490
25	663036.778	8800974.208
26	663235.086	8801153.847
27	663212.485	8801075.040
28	663142.419	8800911.878
29	663181.788	8800904.796
30	663063.544	8800926.088
31	662990.831	8800831.482
32	663115.576	8800809.008
33	663126.022	8800820.863
34	663368.055	8801064.287
35	663349.232	8800959.972
36	662849.061	8801074.381
37	662838.984	8801014.001
38	662820.231	8800956.758
39	662795.789	8800710.365
40	663261.547	8800890.416
41	663441.128	8801051.122
93	663196.691	8800987.454



- LEGEND:**
- 1. 90mm ND HDPE PE100 PN 10 WATER PIPELINE - - - - -
 - 2. 63mm ND HDPE PE100 PN 10 WATER PIPELINE - - - - -
 - 3. ISOLATING VALVE AND CHAMBER X

REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0000-WOR-E04-00065-01	GENERAL LAYOUT
EA-MZ-CI0000-WOR-E04-00073-01	WATER RETICULATION LAYOUT
EA-MZ-CI0000-WOR-E04-00074-01	WATER RETICULATION KEY PLAN
EA-MZ-CI0000-WOR-E04-00076-02	WATER RETICULATION LAYOUT SHEET 2 OF 2
EA-MZ-CI0000-WOR-E11-00002-01	DETAILS OF ISOLATING VALVE INSTALLATION AND CHAMBER: WATER RETICULATION NETWORK
EA-MZ-CI0000-WOR-E11-00032-01	DETAILS OF THRUST BLOCKS FOR T-PIECES AND BENDS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS



NOTES

1. WATER PIPELINES TO BE INSTALLED 2 METRES FROM STAND BOUNDARY WITHIN THE ROAD RESERVE.

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C	29/09/15	LL	WWS	ISSUED FOR SQUAD CHECK
D	05/10/15	LL	WWS	ISSUED FOR CLIENT REVIEW
E	02/11/15	LL	WWS	ISSUED FOR CLIENT APPROVAL
0	03/12/15	LL	WWS	ISSUED FOR CONSTRUCTION

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PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

MOZAMBIQUE
GAS DEVELOPMENT PROJECT

Anadarko
Moçambique Área 1, Lda

PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

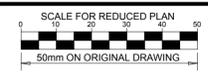
DRAWING DESCRIPTION
**WATER
RETICULATION
LAYOUT**

SHEET 1 OF 2

SCALE: 1:1500 <small>ORIGINAL DWG SIZE A1</small>	DATE: DECEMBER 2015
DRAWING NUMBER: C00290-00-WW-DAL-0008-001	REV NO: 0
ANADARKO DRAWING NUMBER: EA-MZ-CI0000-WOR-E04-00075-01	



LEGEND:
1. FUTURE EXPANSION



NOTES

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B	03/09/15	LL	WVS	ISSUED FOR DETAIL DESIGN
C	22/09/15	LL	WVS	ISSUED FOR SQUAD CHECK
D	05/10/15	LL	WVS	ISSUED FOR CLIENT REVIEW
E	02/11/15	LL	WVS	ISSUED FOR CLIENT APPROVAL
0	03/12/15	LL	WVS	ISSUED FOR CONSTRUCTION

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PROJECT ENG. MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

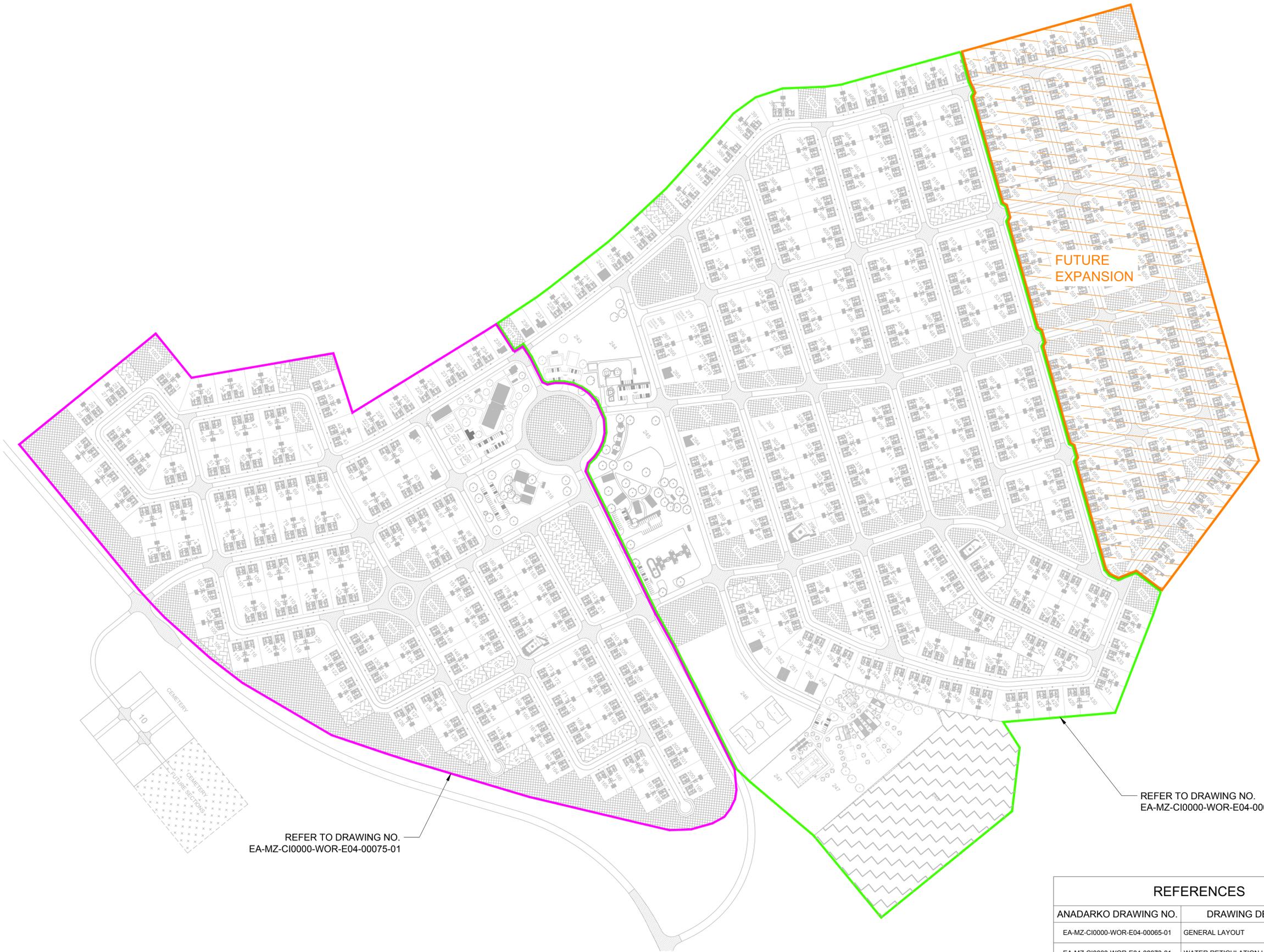
MOZAMBIQUE
GAS DEVELOPMENT PROJECT

Anadarko
Moçambique Área 1, Lda

PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**
DRAWING DESCRIPTION

**WATER RETICULATION
KEY PLAN**

SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DKP-0002-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E04-00074-01	



FUTURE EXPANSION

REFER TO DRAWING NO.
EA-MZ-CI0000-WOR-E04-00075-01

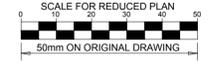
REFER TO DRAWING NO.
EA-MZ-CI0000-WOR-E04-00076-02

WATER RETICULATION LAYOUT
SCALE 1:2500

REFERENCES	
ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0000-WOR-E04-00065-01	GENERAL LAYOUT
EA-MZ-CI0000-WOR-E04-00073-01	WATER RETICULATION LAYOUT
EA-MZ-CI0000-WOR-E04-00075-01	WATER RETICULATION LAYOUT SHEET 1 OF 2
EA-MZ-CI0000-WOR-E04-00076-02	WATER RETICULATION LAYOUT SHEET 2 OF 2



- LEGEND:
1. 90mm ND HDPE PE100 PN 10 WATER PIPELINE —
 2. 63mm ND HDPE PE100 PN 10 WATER PIPELINE —
 3. ISOLATING VALVE AND CHAMBER REFER TO DRAWING NO. EA-MZ-CI0000-WOR-E11-00002-01 ✂



NOTES
 CONNECTIONS WILL BE PROVIDED TO ALL STANDS (REFER TO DRAWING NO. EA-MZ-CI0000-WOR-E05-00033, SHEETS 1 TO 3).



WATER STORAGE AND TREATMENT FACILITIES

Future Expansion

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A	11/08/15	LL	CS	ISSUED FOR INTERNAL REVIEW
B	03/09/15	LL	CS	ISSUED FOR DETAIL DESIGN
C	29/09/15	LL	CS	ISSUED FOR SQUAD CHECK
D	05/10/15	LL	CS	ISSUED FOR CLIENT REVIEW
E	11/11/15	LL	CS	ISSUED FOR CLIENT APPROVAL
O	03/12/15	LL	CS	ISSUED FOR CONSTRUCTION

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PROJECT ENG. MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

MOZAMBIQUE
 GAS DEVELOPMENT PROJECT

Anadarko
 Moçambique Área 1, Lda

PROJECT
**AMA 1
 RESETTLEMENT
 VILLAGE**
 DRAWING DESCRIPTION
**WATER RETICULATION
 LAYOUT**

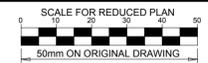
REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0000-WOR-E04-00074-01	WATER RETICULATION KEY PLAN
EA-MZ-CI0000-WOR-E04-00075-01	WATER RETICULATION LAYOUT SHEET 1 OF 2
EA-MZ-CI0000-WOR-E04-00076-02	WATER RETICULATION LAYOUT SHEET 2 OF 2

SCALE	DATE
AS SHOWN ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-WW-DAL-0007-001	0
ANADARKO DRAWING NUMBER	EA-MZ-CI0000-WOR-E04-00073-01

WATER RETICULATION LAYOUT
 SCALE 1:2500

REFERENCES	
ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0000-WOR-E04-00065-01	GENERAL LAYOUT
EA-MZ-CI0000-WOR-E04-00072-01	STORAGE AND TREATMENT FACILITIES LAYOUT
EA-MZ-CI0000-WOR-E05-00044-01	DETAILS OF GROUND LEVEL STORAGE FACILITY AND PIPEWORK
EA-MZ-CI0000-WOR-E05-00045-01	DETAILS OF ELEVATED STORAGE FACILITY AND PIPEWORK



NOTES

1. THE LAYOUT OF THE WATER TREATMENT FACILITY AND THE TREATMENT PROCESS REQUIRED TO BE CONFIRMED UPON RECEIPT OF WATER QUALITY TEST RESULTS.

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B	06/08/15	EE	CS	ISSUED FOR DETAIL DESIGN
C	22/09/15	EE	CS	ISSUED FOR SQUAD CHECK
D	05/10/15	EE	CS	ISSUED FOR CLIENT REVIEW
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PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		



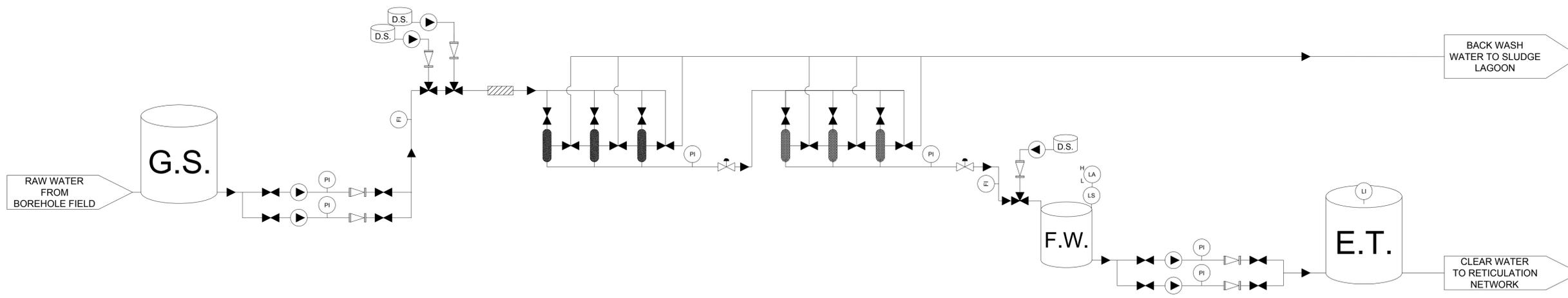
PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**WATER TREATMENT
FACILITY LAYOUT**

SCALE AS SHOWN ORIGINAL DWG SIZE A1 DATE DECEMBER 2015

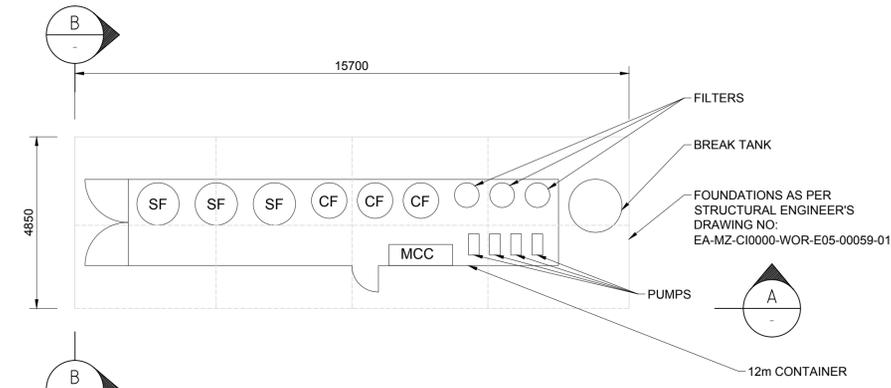
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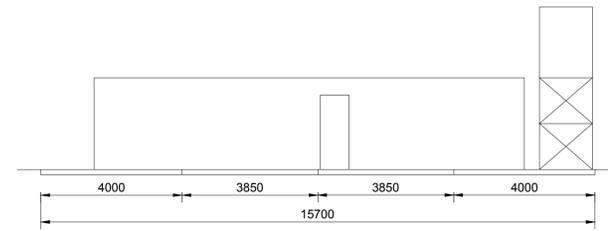


SCHEMATIC LAYOUT OF WATER TREATMENT PROCESS
N.T.S.

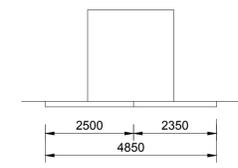
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- LEVEL INDICATOR
- PRESSURE INDICATOR
- PUMP
- VALVE
- NON-RETURN VALVE
- INJECTOR
- STATIC MIXER
- SAND FILTER
- AUTOMATIC BALL VALVE
- CARBON FILTER
- GROUND LEVEL STORAGE TANK
- ELEVATED STORAGE TANK
- DOSING STATION
- HIGH LEVEL LOW LEVEL
- LEVEL SWITCH
- FILTERED WATER STORAGE
- SAND FILTER
- CARBON FILTER
- MOTOR CONTROL CENTER



TYPICAL CONTAINER LAYOUT
SCALE 1:100



SECTION A
SCALE 1:100

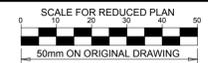


SECTION B
SCALE 1:100



LEGEND:

1. BULK WATER PIPELINE



NOTES

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.
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 NUMBER 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.
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.).

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B	02/09/15	LL	BvS	ISSUED FOR DETAIL DESIGN
C	22/09/15	LL	BvS	ISSUED FOR SQUAD CHECK
D	05/10/15	LL	BvS	ISSUED FOR CLIENT REVIEW
E	06/11/15	LL	BvS	ISSUED FOR CLIENT APPROVAL
0	03/12/15	LL	BvS	ISSUED FOR CONSTRUCTION

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PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG. MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
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MOZAMBIQUE
GAS DEVELOPMENT PROJECT

Anadarko
Moçambique Área 1, Lda

PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**BULK WATER PIPELINE
KEY PLAN**

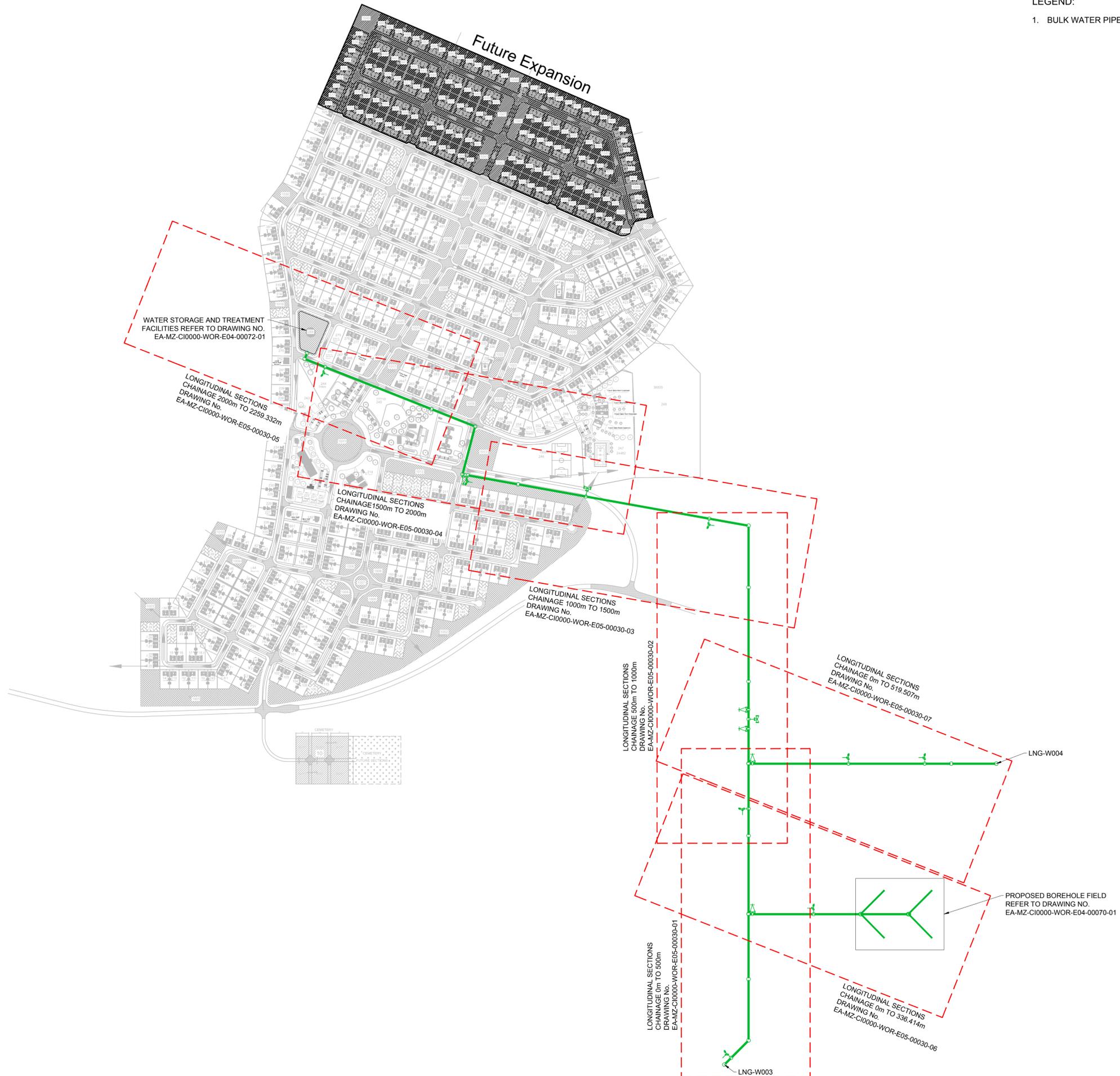
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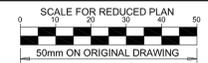
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DRAWING NUMBER: C00290-00-WW-DKP-0001-001

REV NO: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0000-WOR-E01-00002-01





NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED ON DRAWING.

LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE
- WATER METER BOX

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B	15/09/15	LL	BvS	ISSUED FOR DETAIL DESIGN
C	30/09/15	LL	BvS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	BvS	ISSUED FOR CLIENT REVIEW
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O	03/12/15	LL	BvS	ISSUED FOR CONSTRUCTION

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PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

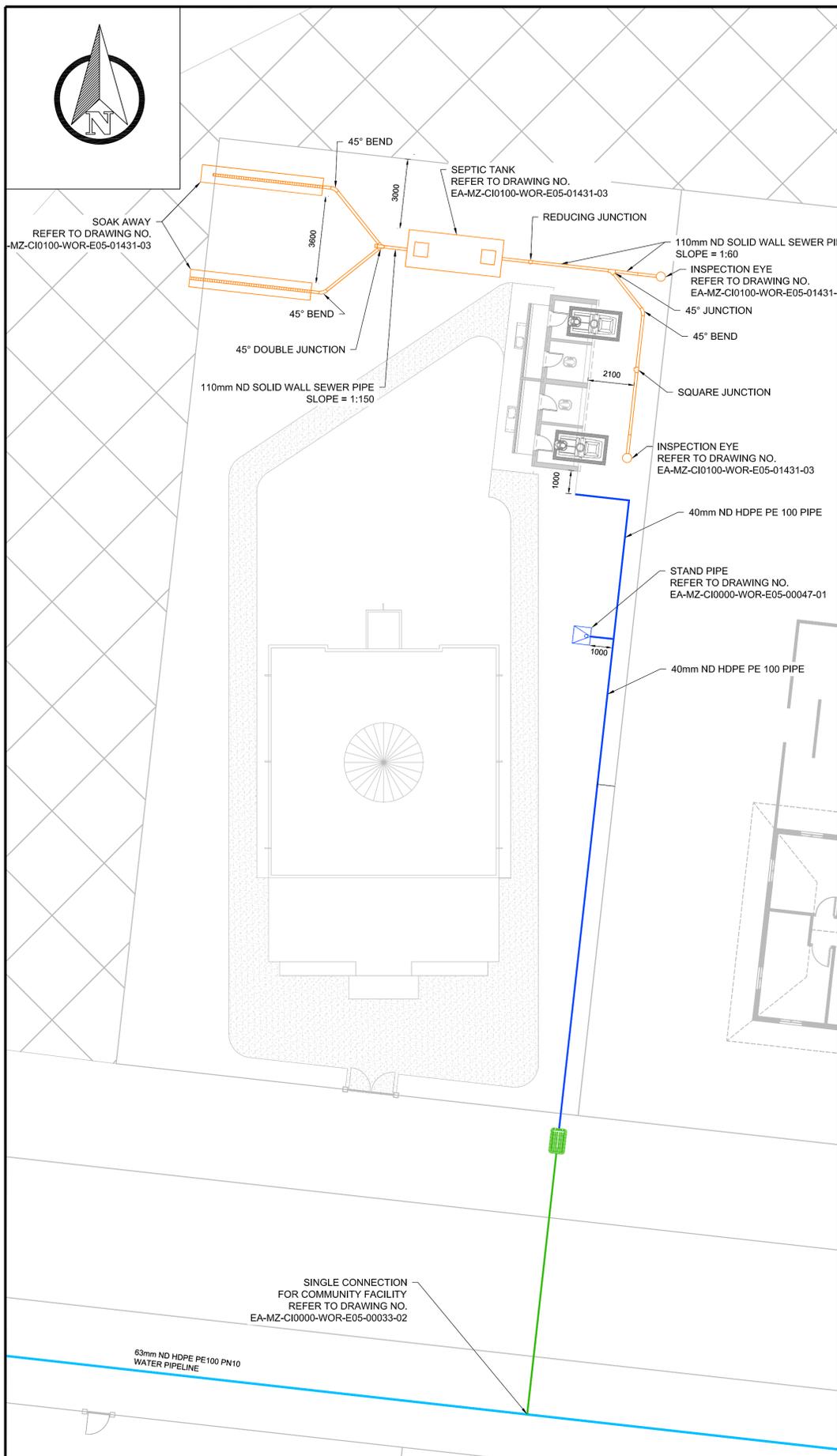
MOZAMBIQUE
GAS DEVELOPMENT PROJECT

Anadarko
Moçambique Área 1, Lda

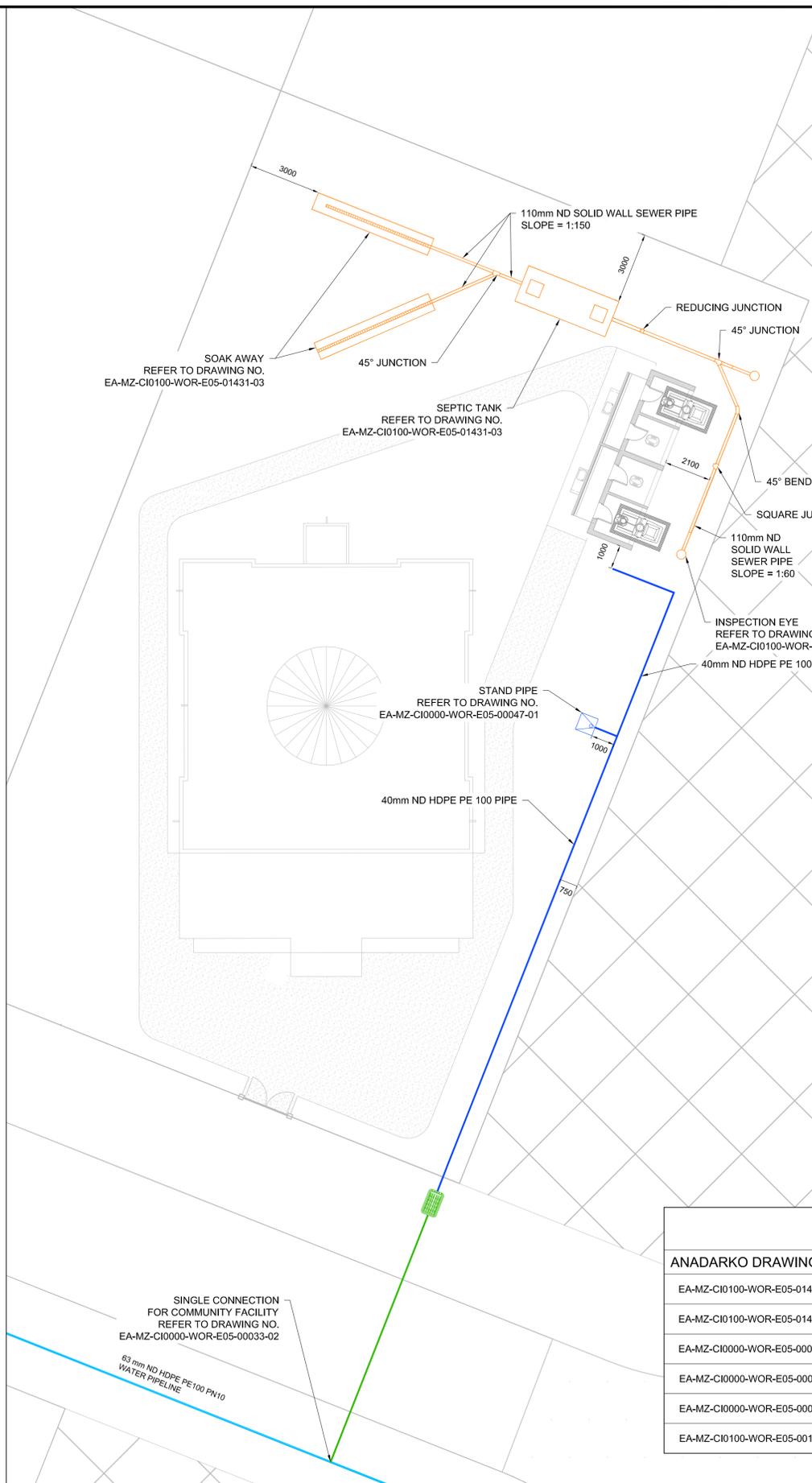
PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**COMMUNITY FACILITIES:
MOSQUE:
WATER AND SANITATION
LAYOUT
SHEET 1 OF 3**

SCALE NOT TO SCALE ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DRD-0031-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-01431-01	



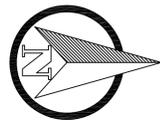
SMALL MOSQUE
NOT TO SCALE



BIG MOSQUE
NOT TO SCALE

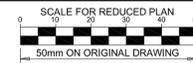
REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-01431-02	COMMUNITY FACILITIES: MOSQUE: DETAILS OF TOILET FACILITIES SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-01431-03	COMMUNITY FACILITIES: MOSQUE: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100-WOR-E05-00113-01	COMMUNITY FACILITIES: MOSQUE: TOILETS: INTERNAL RETICULATIONS



REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-01295-02	COMMUNITY FACILITIES: SCHOOL: DETAILS OF TOILET FACILITIES SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-01295-03	COMMUNITY FACILITIES: SCHOOL: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00060-01	DETAILS OF COMMUNITY WATER DRINKING FOUNTAIN INSTALLATION
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0000-WOR-E05-00116-01	COMMUNITY FACILITIES: SCHOOL: INTERNAL RETICULATIONS
EA-MZ-CI0100-WOR-E05-00117-01	COMMUNITY FACILITIES: SCHOOL: TOILETS: INTERNAL RETICULATIONS



NOTES

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LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE
- WATER METER BOX

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A	08/09/15	LL	BvS	ISSUED FOR INTERNAL REVIEW
B	15/09/15	LL	BvS	ISSUED FOR DETAIL DESIGN
C	30/09/15	LL	BvS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	BvS	ISSUED FOR CLIENT REVIEW
E	02/11/15	LL	BvS	ISSUED FOR CLIENT APPROVAL
O	03/12/15	LL	BvS	ISSUED FOR CONSTRUCTION

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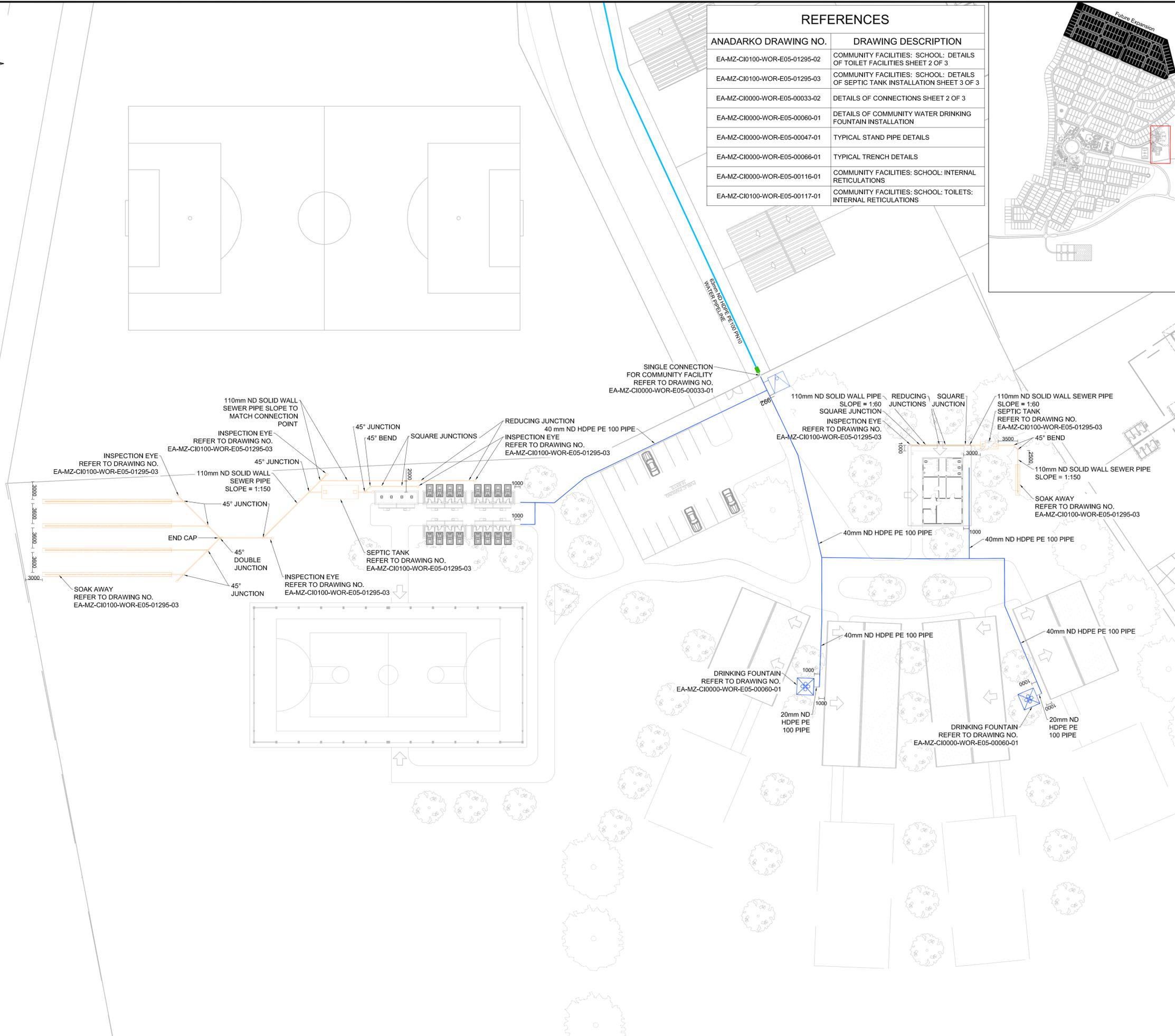
39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG
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 FAX: +27(0)11 218 3100
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NAME	SIGNATURE	DATE
DRAWN BY: B v SCHOOR		03/12/2015
CHECKED: LH LOUW		03/12/2015
DESIGNER: B v SCHOOR		03/12/2015
PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

Moçambique Área 1, Lda

PROJECT
**AMA 1
 RESETTLEMENT
 VILLAGE**
 DRAWING DESCRIPTION
**COMMUNITY FACILITIES:
 SCHOOL:
 WATER AND SANITATION
 LAYOUT**
 SHEET 1 OF 3

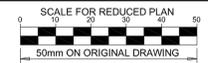
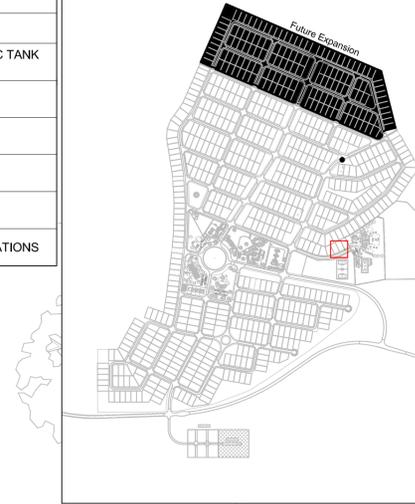
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ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-01295-01	





REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-01132-02	STAFF HOUSES: SCHOOL: DETAILS OF SEPTIC TANK INSTALLATION SHEET 2 OF 2
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00033-03	DETAILS OF CONNECTIONS SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0000-WOR-E05-00124-01	STAFF HOUSES: SCHOOL: INTERNAL RETICULATIONS



NOTES

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LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE
- WATER METER BOX

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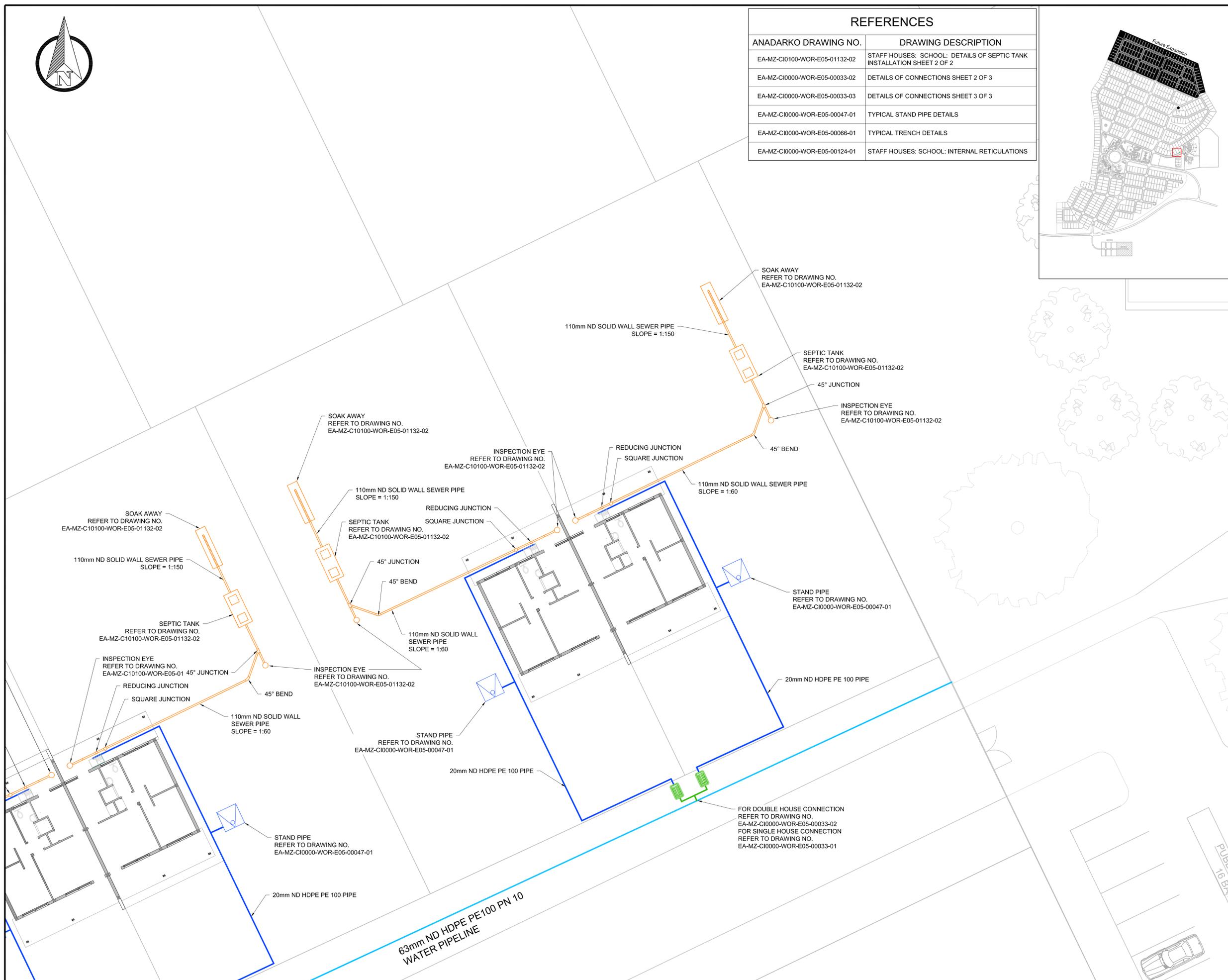
NAME	SIGNATURE	DATE
DRAWN BY: B v SCHOOR		03/12/2015
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PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		



PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**STAFF HOUSES:
SCHOOL:
WATER AND SANITATION
LAYOUT**
SHEET 1 OF 2

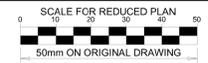
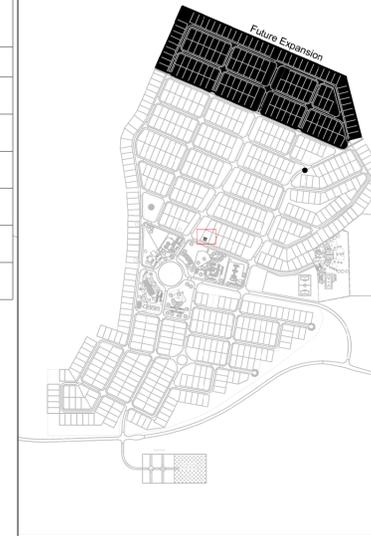
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ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-01132-01	





REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-01131-02	STAFF HOUSES: POLICE: DETAILS OF SEPTIC TANK INSTALLATION SHEET 2 OF 2
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00033-03	DETAILS OF CONNECTIONS SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100-WOR-E05-00123-01	STAFF HOUSES: POLICE: INTERNAL RETICULATIONS



NOTES

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LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
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- WATER METER BOX

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PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

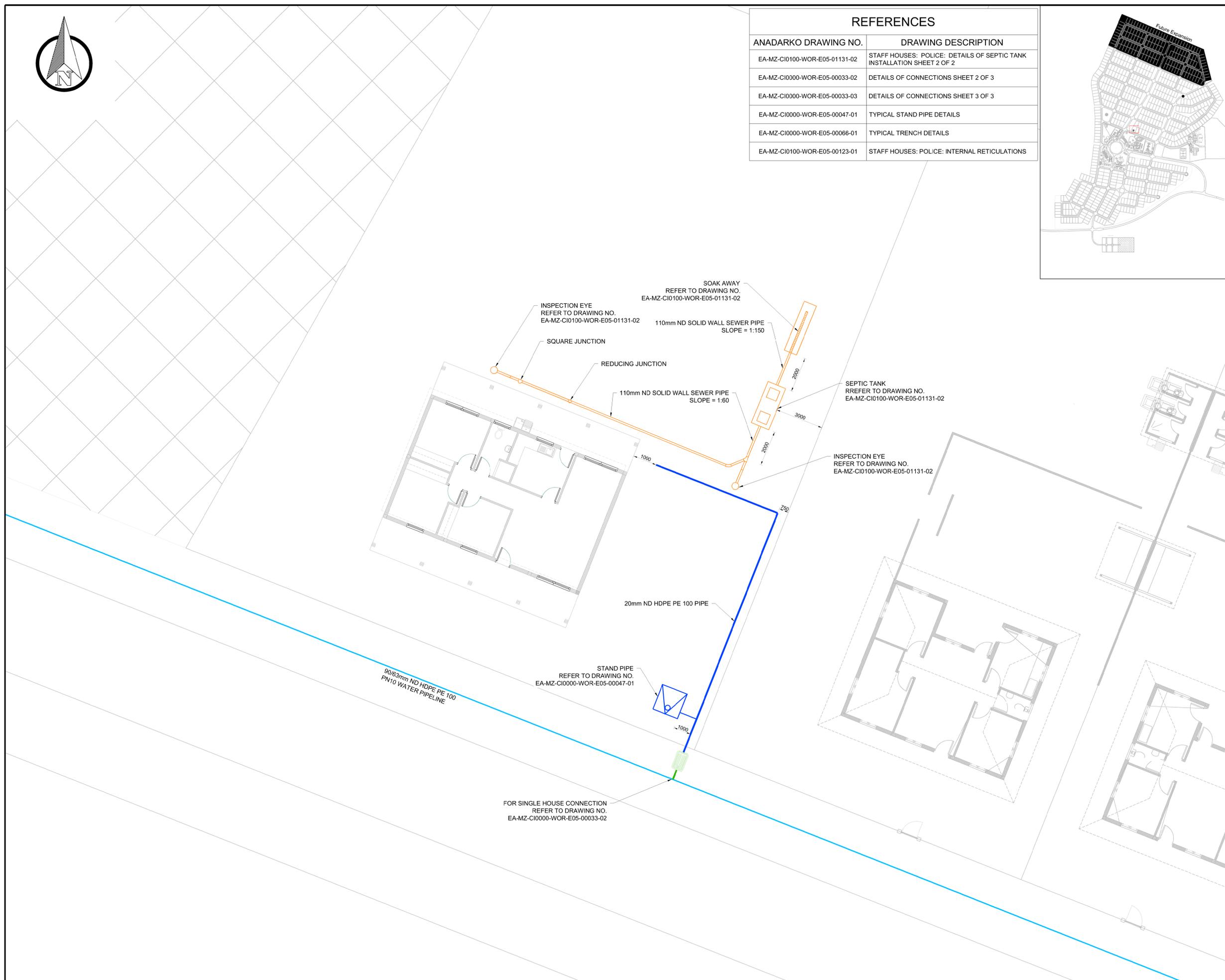


PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**STAFF HOUSES:
POLICE:
WATER AND SANITATION
LAYOUT**

SHEET 1 OF 2

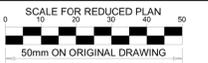
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REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00895-02	COMMUNITY FACILITIES: BUS STOP: DETAILS OF TOILET FACILITIES SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-00895-03	COMMUNITY FACILITIES: BUS STOP: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00060-01	DETAILS OF COMMUNITY WATER DRINKING FOUNTAIN INSTALLATION
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100-WOR-E05-00108-01	COMMUNITY FACILITIES: BUS STOP: TOILETS: INTERNAL RETICULATIONS



NOTES

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LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE
- VALVE BOX

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D	06/10/15	LL	BvS	ISSUED FOR CLIENT REVIEW
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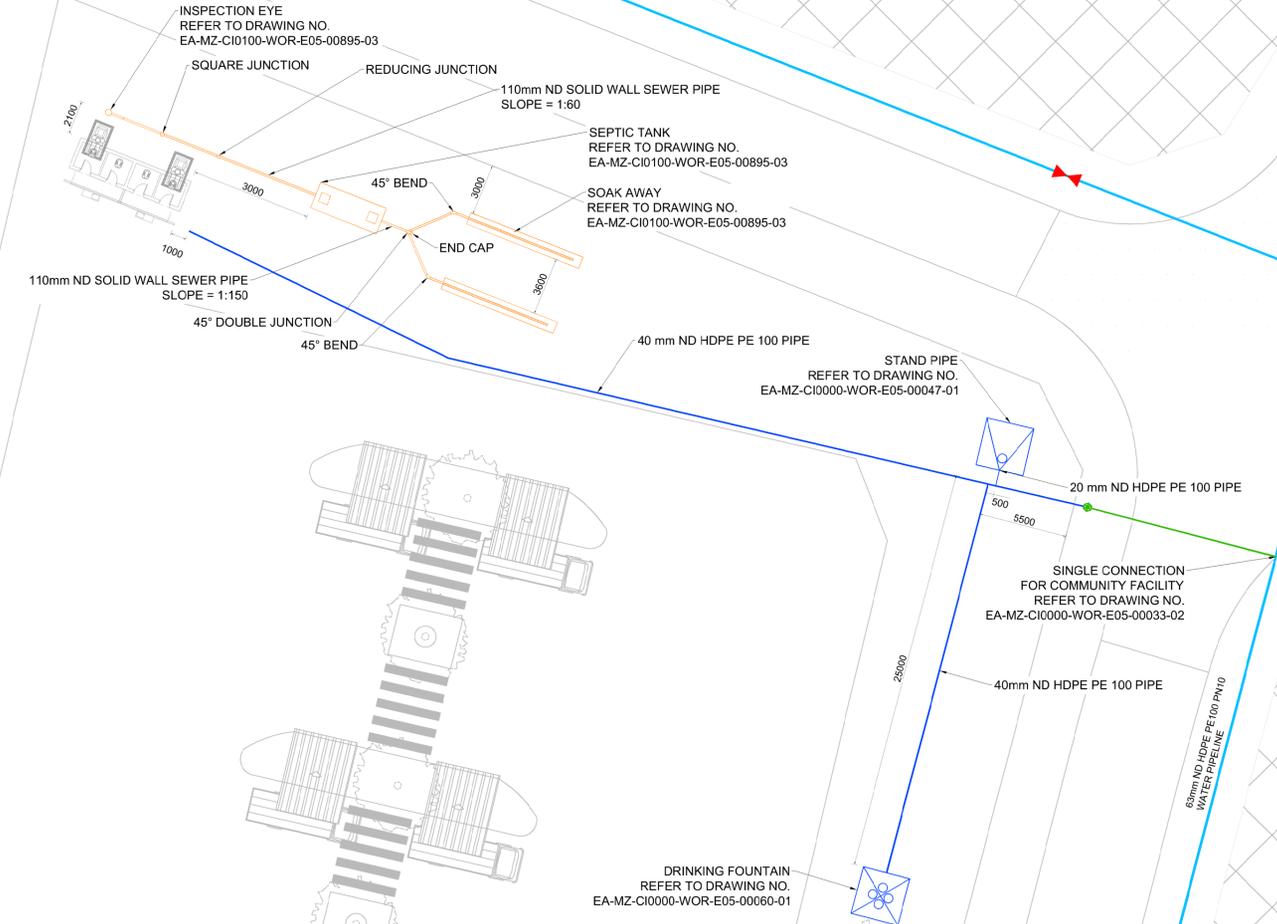
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DRAWN BY: B v SCHOOR		03/12/2015
CHECKED: LH LOUW		03/12/2015
DESIGNER: B v SCHOOR		03/12/2015
PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		



PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**COMMUNITY FACILITIES:
BUS STOP:
WATER AND SANITATION
LAYOUT**
SHEET 1 OF 3

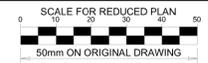
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REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00795-02	COMMUNITY FACILITIES: MARKET: DETAILS OF TOILET FACILITIES SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-00795-03	COMMUNITY FACILITIES: MARKET: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00060-01	DETAILS OF COMMUNITY WATER DRINKING FOUNTAIN INSTALLATION
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100_WOR-E05-00112-01	COMMUNITY FACILITIES: MARKET: TOILETS: INTERNAL RETICILATIONS



NOTES

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LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE
- VALVE BOX

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D	06/10/15	LL	BvS	ISSUED FOR CLIENT REVIEW
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NAME	SIGNATURE	DATE
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PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

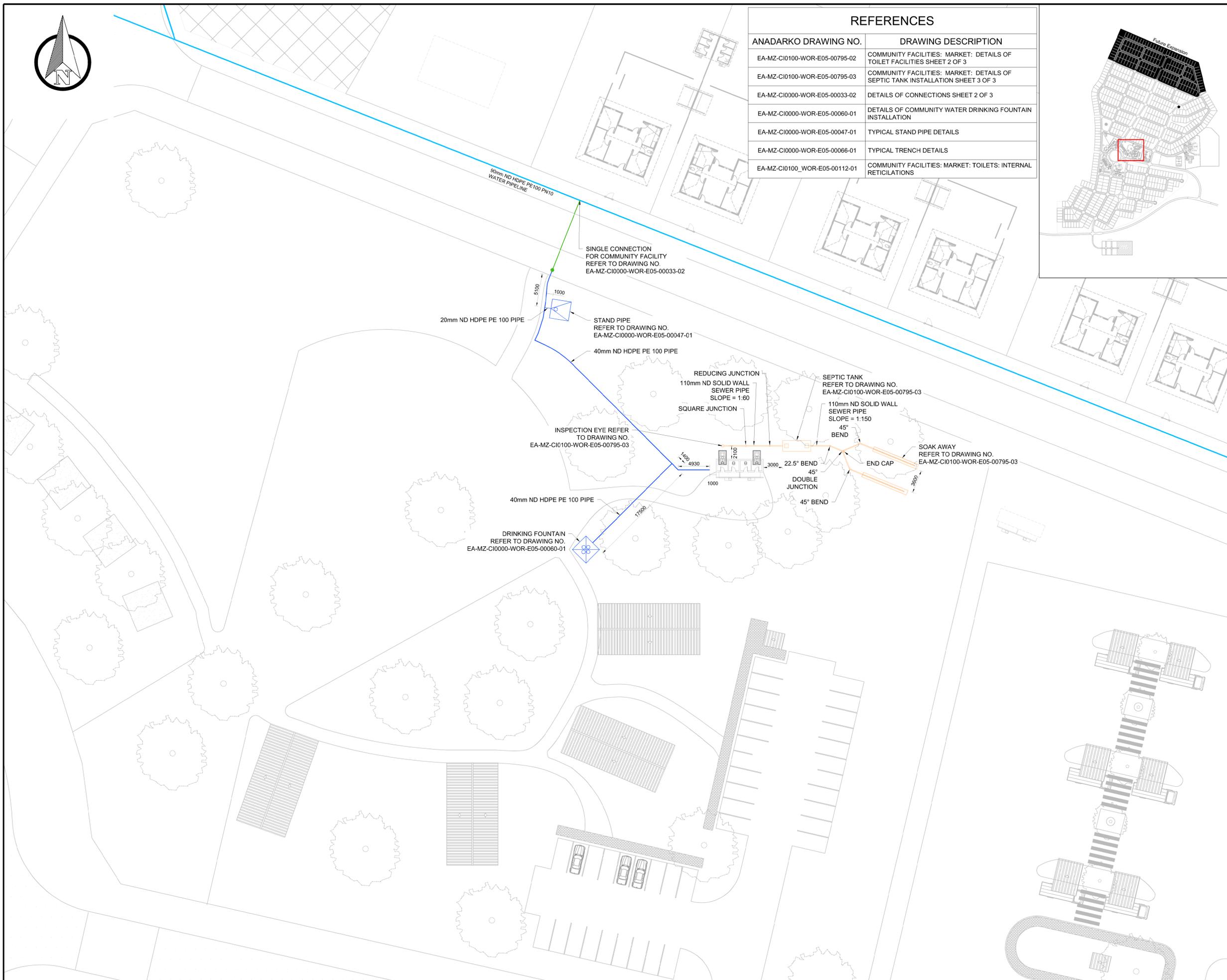
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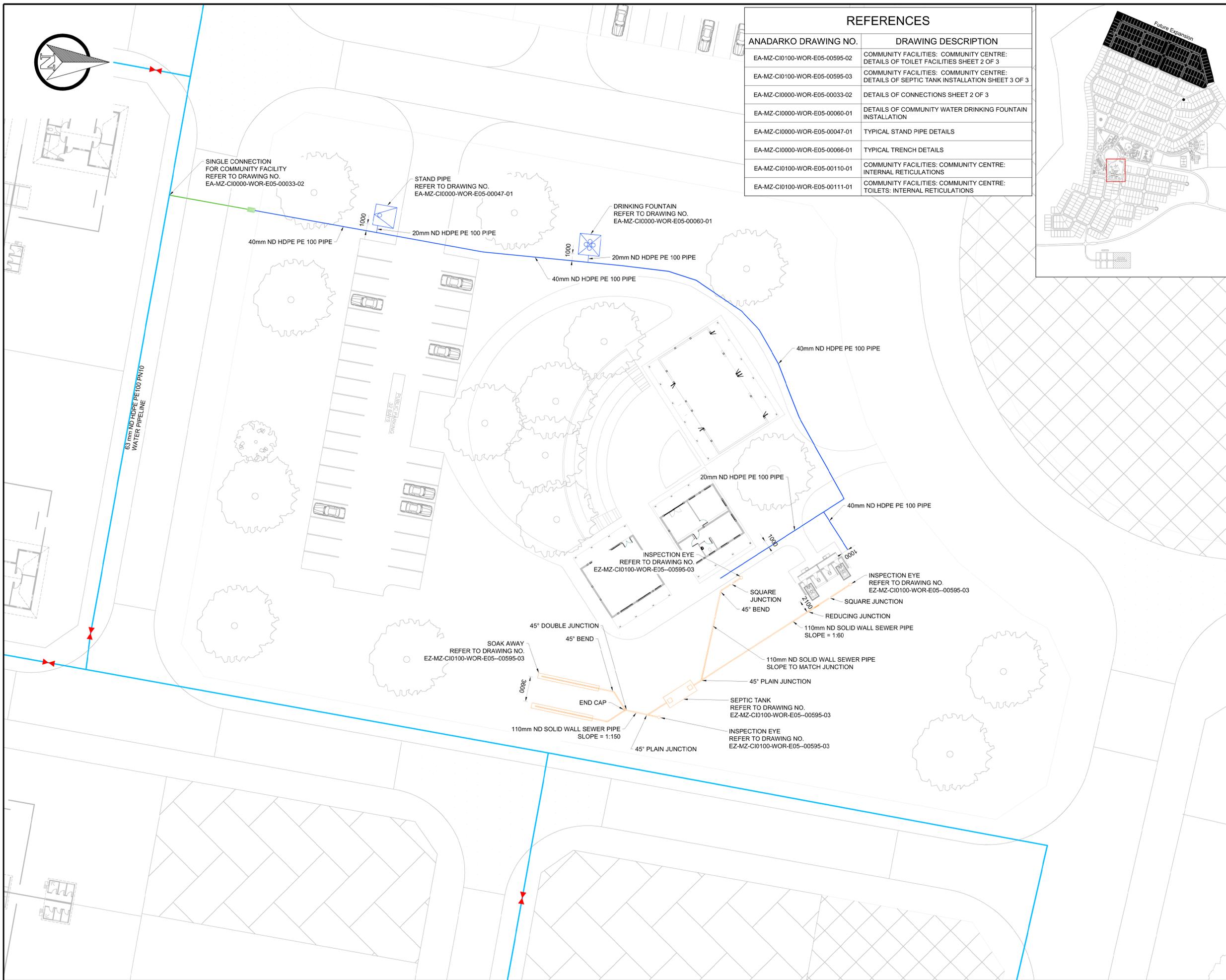
Anadarko
Moçambique Área 1, Lda

PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**COMMUNITY FACILITIES:
MARKET:
WATER AND SANITATION
LAYOUT**
SHEET 1 OF 3

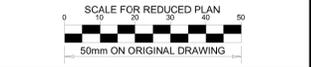
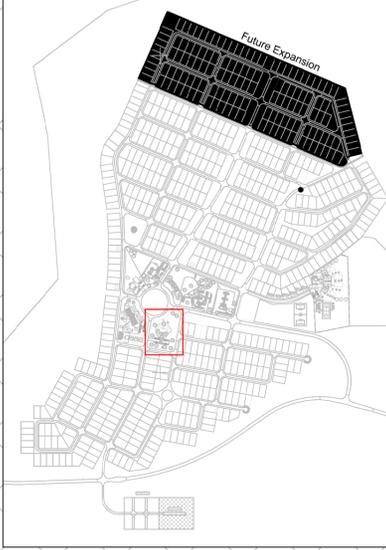
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REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00595-02	COMMUNITY FACILITIES: COMMUNITY CENTRE: DETAILS OF TOILET FACILITIES SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-00595-03	COMMUNITY FACILITIES: COMMUNITY CENTRE: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
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EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
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NOTES

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LEGEND

	SEWER/WASTE WATER PIPES
	SEPTIC TANK
	SOAK AWAY
	WATER PIPES
	WATER FOUNTAIN
	STAND PIPE

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LOCAL PR ENG:		
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PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

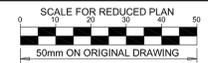
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COMMUNITY CENTRE:
WATER AND SANITATION
LAYOUT**
SHEET 1 OF 3

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DRAWING NUMBER C00290-00-WW-DRD-0020-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00595-01	



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ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00497-02	EXPECTING MOTHER'S HOUSE: DETAILS OF TOILET FACILITIES SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-00497-03	EXPECTING MOTHER'S HOUSE: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100-WOR-E05-00118-01	EXPECTING MOTHER'S HOUSE: TOILETS: INTERNAL RETICULATIONS
EA-MZ-CI0100-WOR-E05-00119-01	EXPECTING MOTHER'S HOUSE: INTERNAL RETICULATIONS



NOTES

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LEGEND

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- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE
- WATER METER BOX

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NAME	SIGNATURE	DATE
DRAWN BY: B v SCHOOR		03/12/2015
CHECKED: LH LOUW		03/12/2015
DESIGNER: B v SCHOOR		03/12/2015
PR ENG: LH LOUW		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		



PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**EXPECTING MOTHER'S
HOUSE:
WATER AND SANITATION
LAYOUT
SHEET 1 OF 3**

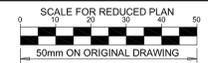
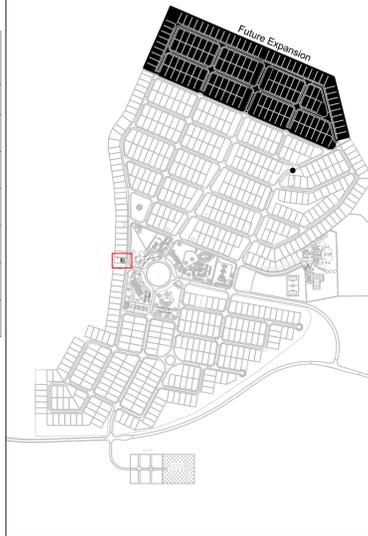
SCALE NOT TO SCALE ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DRD-0036-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00497-01	





REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00496-02	STAFF HOUSES: LOCAL ADMINISTRATOR: DETAILS OF SEPTIC TANK INSTALLATION SHEET 2 OF 2
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00033-03	DETAILS OF CONNECTIONS SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100-WOR-E05-00122-01	STAFF HOUSES: LOCAL ADMINISTRATOR: INTERNAL RETICULATIONS



NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED ON DRAWING.

LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE

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A	09/09/15	LL	BvS	ISSUED FOR INTERNAL REVIEW
B	15/09/15	LL	BvS	ISSUED FOR DETAIL DESIGN
C	30/09/15	LL	BvS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	BvS	ISSUED FOR CLIENT REVIEW
E	03/11/15	LL	BvS	ISSUED FOR CLIENT APPROVAL
O	03/12/15	LL	BvS	ISSUED FOR CONSTRUCTION

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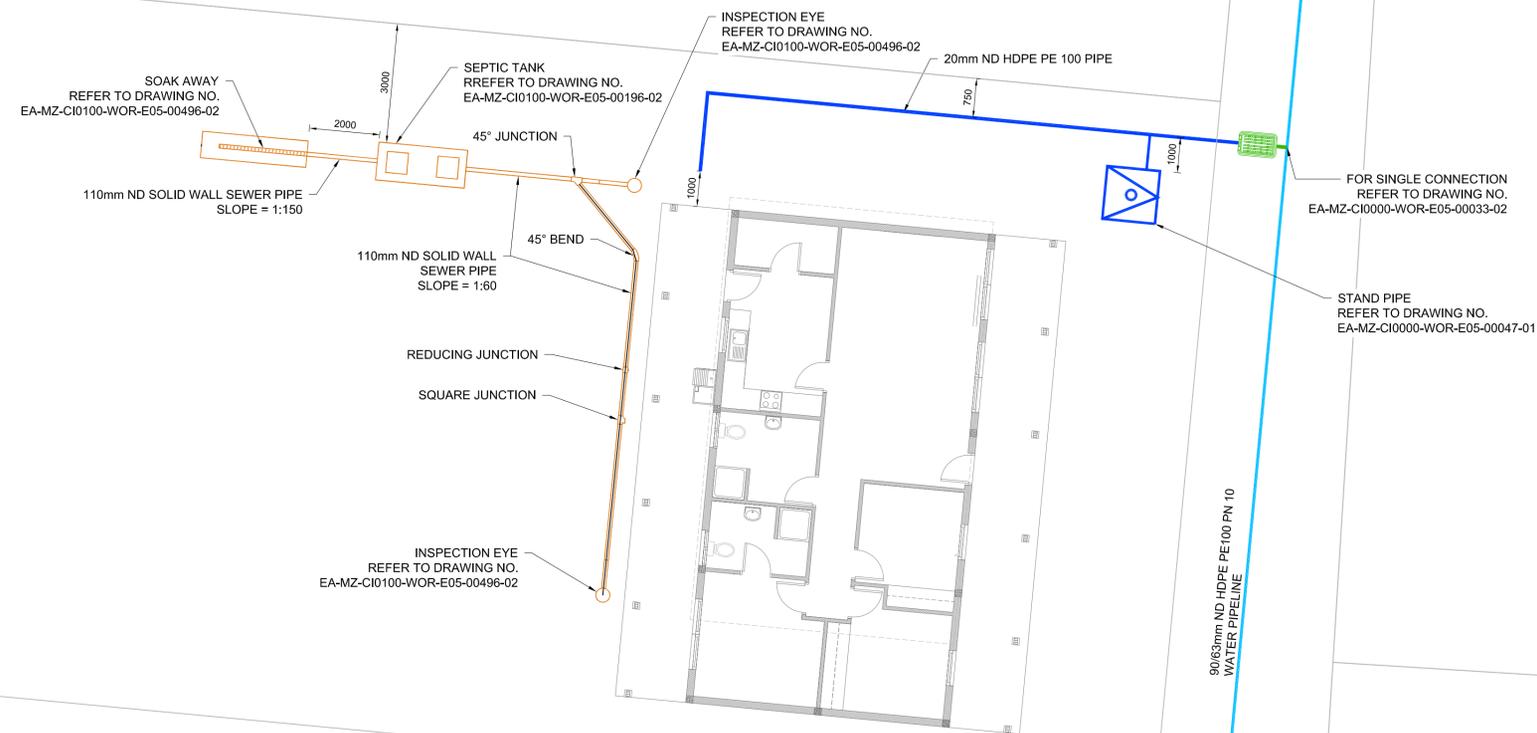
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DRAWN BY: B v SCHOOR		03/12/2015
CHECKED: LH LOUW		03/12/2015
DESIGNER: B v SCHOOR		03/12/2015
PR ENG: LH LOUW		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

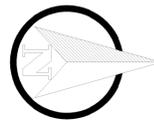


PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

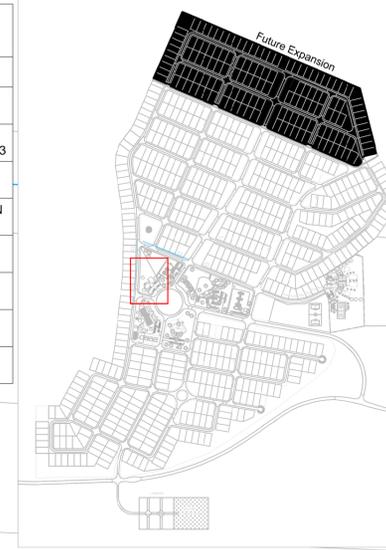
DRAWING DESCRIPTION
**STAFF HOUSES:
LOCAL ADMINISTRATOR:
WATER AND SANITATION
LAYOUT**
SHEET 1 OF 2

SCALE NOT TO SCALE ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DRD-0035-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00496-01	





REFERENCES	
ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00495-02	COMMUNITY FACILITIES: ADMINISTRATION CENTRE: DETAILS OF TOILET FACILITIES SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-00495-03	COMMUNITY FACILITIES: ADMINISTRATION CENTRE: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00060-01	DETAILS OF COMMUNITY WATER DRINKING FOUNTAIN INSTALLATION
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100-WOR-E05-00106-01	COMMUNITY FACILITIES: ADMINISTRATION CENTRE: INTERNAL RETICULATIONS
EA-MZ-CI0100-WOR-E05-00107-01	COMMUNITY FACILITIES: ADMINISTRATION CENTRE: TOILETS: INTERNAL RETICULATIONS



NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED ON DRAWING.

LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE
- WATER METER BOX

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REVISIONS

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A	08/09/15	LL	BvS	ISSUED FOR INTERNAL REVIEW
B	11/09/15	LL	BvS	ISSUED FOR DETAIL DESIGN
C	29/09/15	LL	BvS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	BvS	ISSUED FOR CLIENT REVIEW
E	02/11/15	LL	BvS	ISSUED FOR CLIENT APPROVAL
O	03/12/15	LL	BvS	ISSUED FOR CONSTRUCTION

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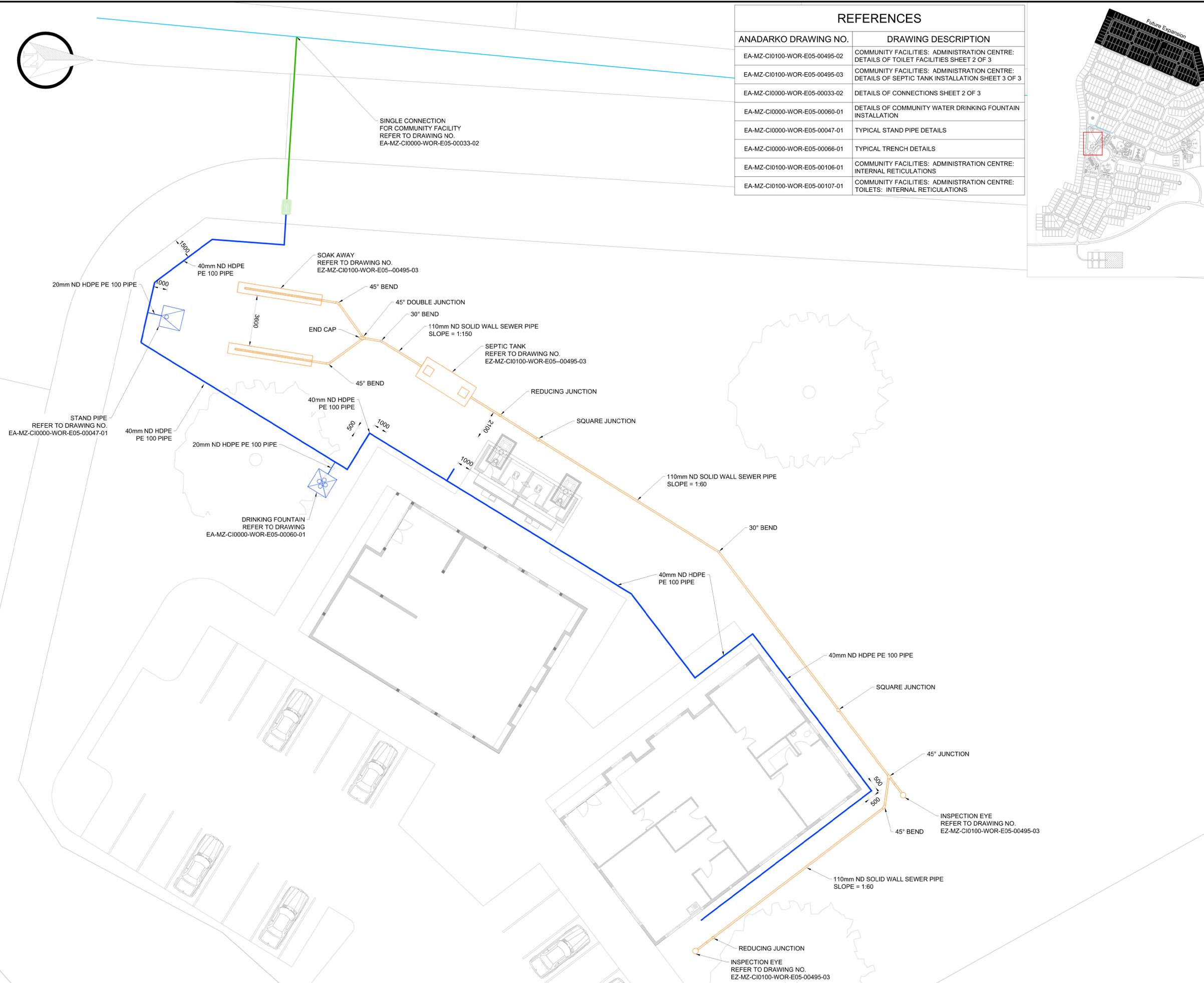
NAME	SIGNATURE	DATE
DRAWN BY: B v SCHOOR		03/12/2015
CHECKED: LH LOUW		03/12/2015
DESIGNER: B v SCHOOR		03/12/2015
PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		



PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**COMMUNITY FACILITIES:
ADMINISTRATION CENTRE
WATER AND SANITATION
LAYOUT**
SHEET 1 OF 3

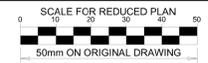
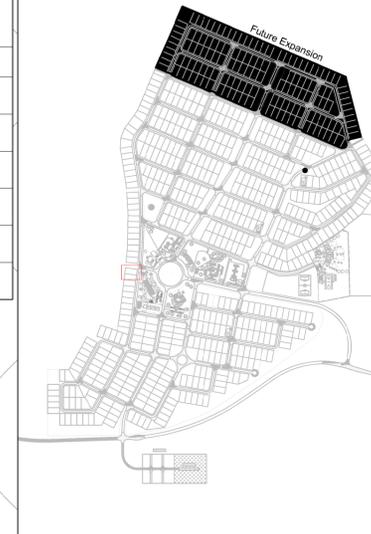
SCALE NOT TO SCALE ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DRD-0021-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00495-01	





REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00196-02	STAFF HOUSES: CLINIC: DETAILS OF SEPTIC TANK INSTALLATION SHEET 2 OF 2
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00033-03	DETAILS OF CONNECTIONS SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100-WOR-E05-00121-02	STAFF HOUSES: CLINIC: INTERNAL RETICULATIONS



NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED ON DRAWING.

LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE
- WATER METER BOX

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D	06/10/15	LL	BvS	ISSUED FOR CLIENT REVIEW
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O	03/12/15	LL	BvS	ISSUED FOR CONSTRUCTION

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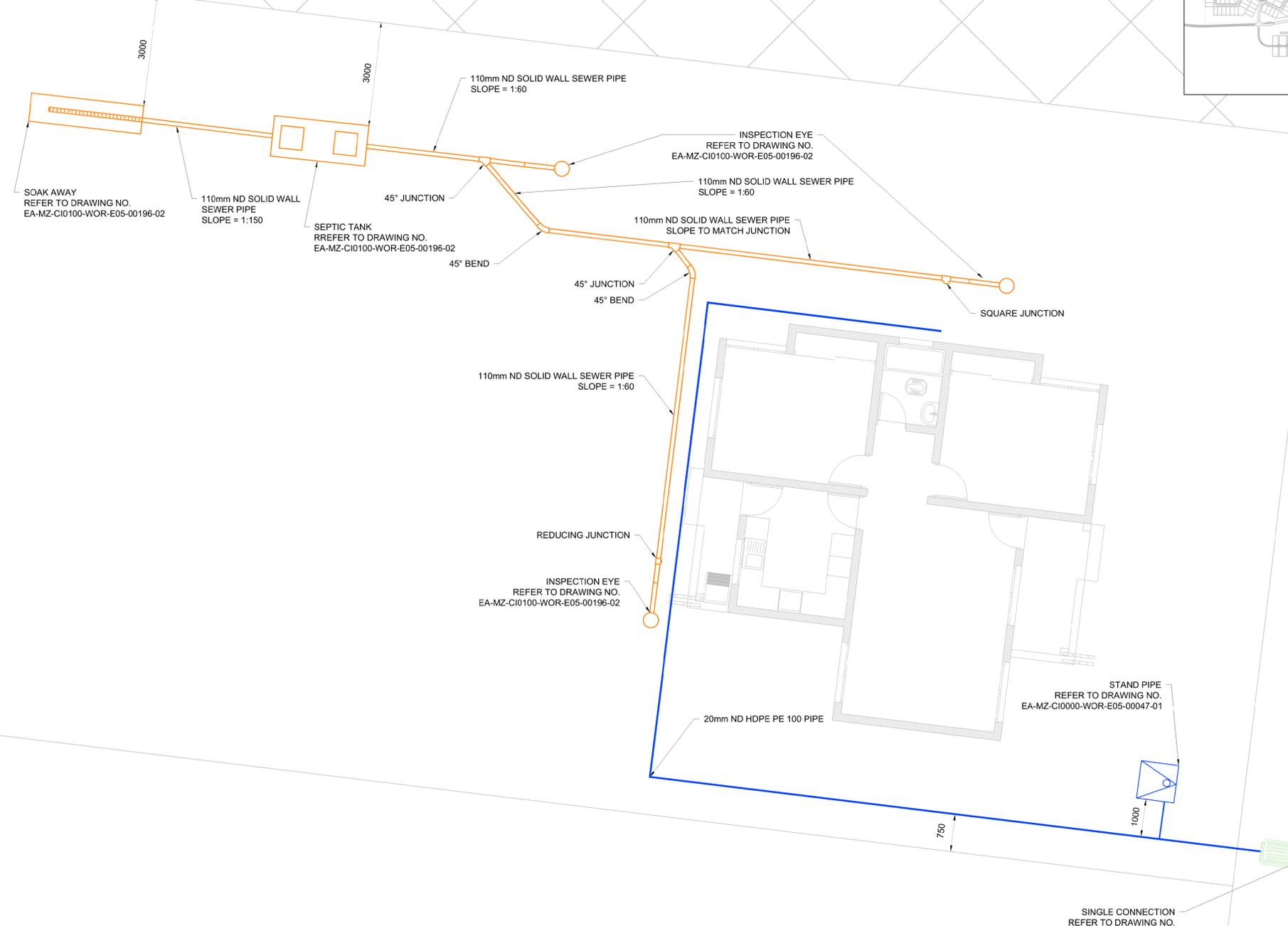
NAME	SIGNATURE	DATE
DRAWN BY: B v SCHOOR		03/12/2015
CHECKED: LH LOUW		03/12/2015
DESIGNER: B v SCHOOR		03/12/2015
PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
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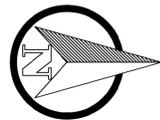


PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**STAFF HOUSES:
CLINIC:
WATER AND SANITATION
LAYOUT**
SHEET 1 OF 2

SCALE NOT TO SCALE ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DRD-0034-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00196-01	





REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00195-02	COMMUNITY FACILITIES: CLINIC: DETAILS OF TOILET FACILITIES SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-00195-03	COMMUNITY FACILITIES: CLINIC: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00060-01	DETAILS OF COMMUNITY WATER DRINKING FOUNTAIN INSTALLATION
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100-WOR-E05-00109-01	COMMUNITY FACILITIES : CLINIC: INTERNAL RETICULATIONS



NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED ON DRAWING.

LEGEND

- SEWER/WASTE WATER PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPES
- WATER FOUNTAIN
- STAND PIPE
- WATER METER BOX

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REVISIONS

NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	08/09/15	LL	BvS	ISSUED FOR INTERNAL REVIEW
B	14/09/15	LL	BvS	ISSUED FOR DETAIL DESIGN
C	30/09/15	LL	BvS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	BvS	ISSUED FOR CLIENT REVIEW
E	02/11/15	LL	BvS	ISSUED FOR CLIENT APPROVAL
O	03/12/15	LL	BvS	ISSUED FOR CONSTRUCTION



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NAME	SIGNATURE	DATE
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CHECKED: LH LOUW		03/12/2015
DESIGNER: B v SCHOOR		03/12/2015
PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

CLIENT

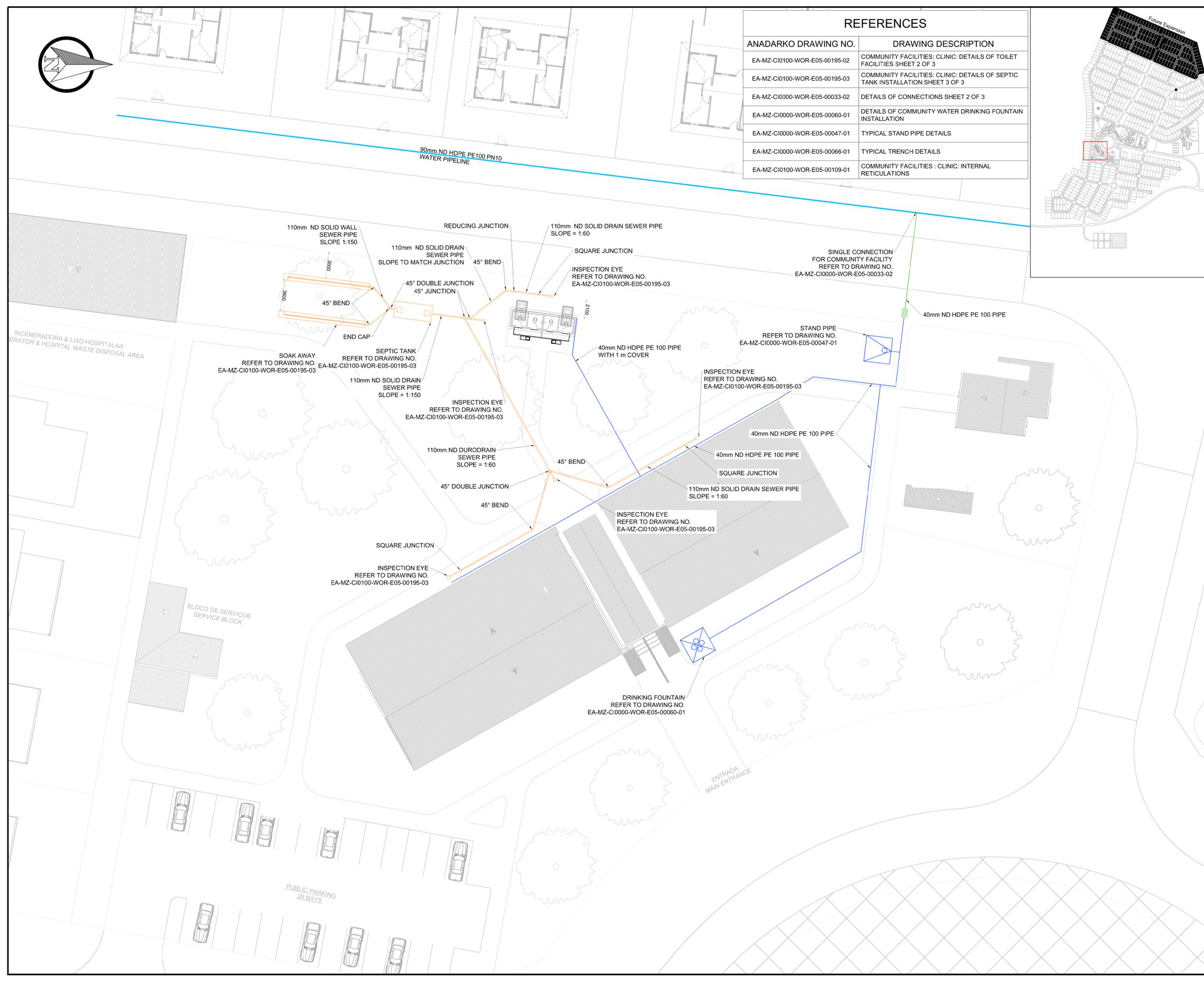


PROJECT
**AMA 1
 RESETTLEMENT
 VILLAGE**
 DRAWING DESCRIPTION
**COMMUNITY FACILITIES:
 CLINIC:
 WATER AND SANITATION
 LAYOUT**
 SHEET 1 OF 3

SCALE NOT TO SCALE ORIGINAL DWG SIZE A1 DATE DECEMBER 2015

DRAWING NUMBER C00290-00-WW-DRD-0023-001 REV NO 0

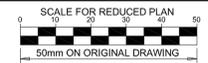
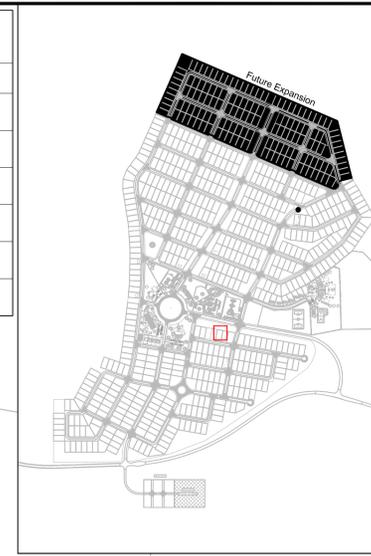
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REFERENCES

ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00059-02	COMMUNITY FACILITIES: CHURCH: DETAILS OF TOILET FACILITIES SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-00059-03	COMMUNITY FACILITIES: CHURCH: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
EA-MZ-CI0000-WOR-E05-00033-02	DETAILS OF CONNECTIONS SHEET 2 OF 3
EA-MZ-CI0000-WOR-E05-00047-01	TYPICAL STAND PIPE DETAILS
EA-MZ-CI0000-WOR-E05-00066-01	TYPICAL TRENCH DETAILS
EA-MZ-CI0100-WOR-E05-00147-01	COMMUNITY FACILITIES: CHURCH: PUBLIC TOILETS: INTERNAL RETICULATIONS



NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED ON DRAWING.

LEGEND

- SANITATION PVC PIPES
- SEPTIC TANK
- SOAK AWAY
- WATER PIPE HDPE
- WATER FOUNTAIN
- STAND PIPE
- WATER METER BOX

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NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	15/10/15	LL	BvS	ISSUED FOR INTERNAL REVIEW
B	16/10/15	LL	BvS	ISSUED FOR DETAIL DESIGN
C	22/10/15	LL	BvS	ISSUED FOR SQUAD CHECK
D	23/10/15	LL	BvS	ISSUED FOR CLIENT REVIEW
E	06/11/15	LL	WvS	ISSUED FOR CLIENT APPROVAL
O	03/12/15	LL	WvS	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: B v SCHOOOR		03/12/2015
CHECKED: LH LOUW		03/12/2015
DESIGNER: B v SCHOOOR		03/12/2015
PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		



PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

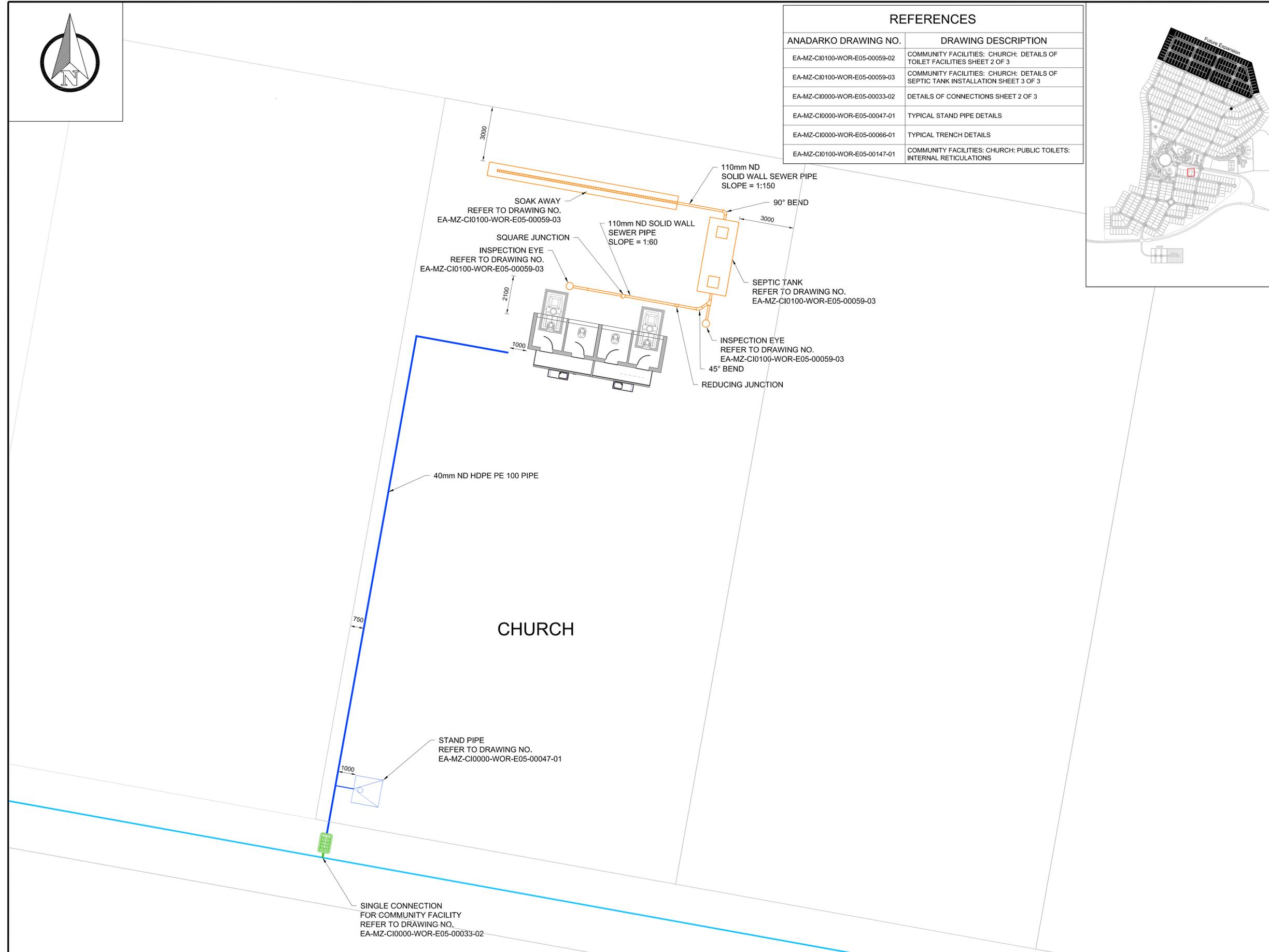
DRAWING DESCRIPTION
**COMMUNITY FACILITIES:
CHURCH:
WATER AND SANITATION
LAYOUT**

SHEET 1 OF 3

SCALE: NOT TO SCALE ORIGINAL DWG SIZE A1 DATE: DECEMBER 2015

DRAWING NUMBER: C00290-00-WW-DAL-0012-001 REV NO: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E05-00059-01



CHURCH
NOT TO SCALE

REFERENCES	
ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0000-WOR-E04-00073-01	WATER RETICULATION LAYOUT
EA-MZ-CI0000-WOR-E04-00074-01	WATER RETICULATION KEY PLAN
EA-MZ-CI0000-WOR-E04-00075-01	WATER RETICULATION LAYOUT SHEET 1 OF 2
EA-MZ-CI0000-WOR-E04-00076-02	WATER RETICULATION LAYOUT SHEET 2 OF 2



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A	13/08/15	LL	WWS	ISSUED FOR INTERNAL REVIEW
B	07/09/15	LL	WWS	ISSUED FOR DETAIL DESIGN
C	23/09/15	LL	WWS	ISSUED FOR SQUAD CHECK
D	05/10/15	LL	WWS	ISSUED FOR CLIENT REVIEW
E	02/11/15	LL	WWS	ISSUED FOR CLIENT APPROVAL
0	03/12/15	LL	WWS	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
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CHECKED: LH LOUW		03/12/2015
DESIGNER: LH LOUW		03/12/2015
PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG. MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		



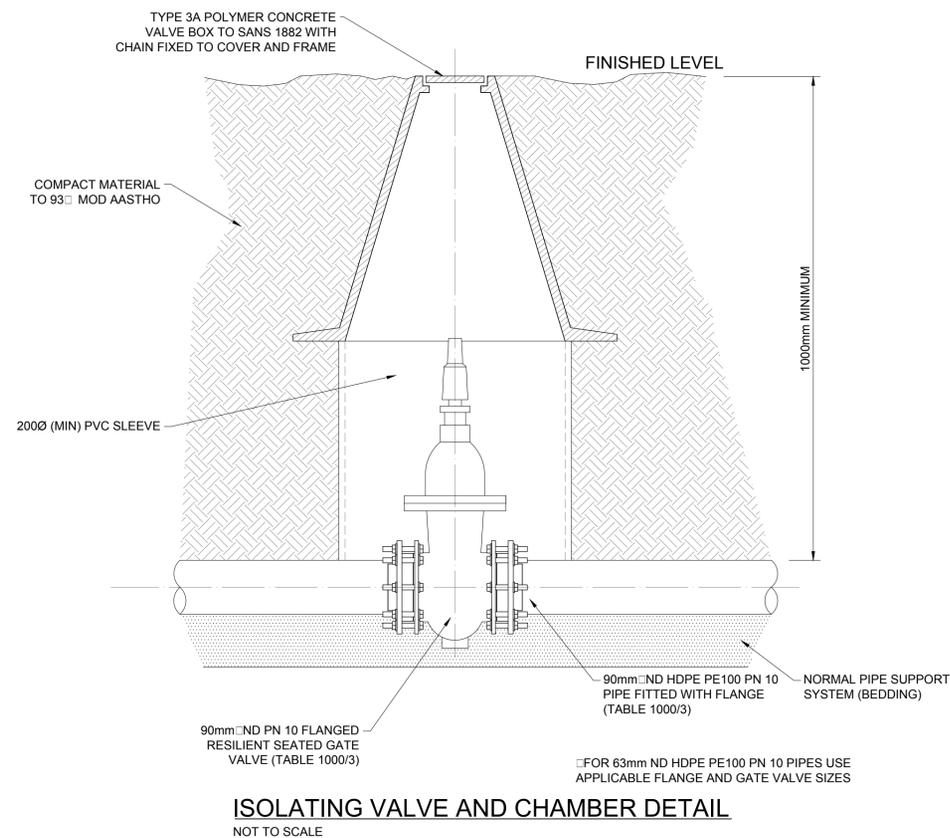
PROJECT
**AMA 1
RESETTLEMENT
VILLAGE**

DRAWING DESCRIPTION
**DETAILS OF ISOLATING
VALVE INSTALLATION
AND CHAMBER:
WATER RETICULATION
NETWORK**

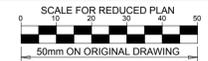
SCALE: AS SHOWN ORIGINAL DWG SIZE A1 DATE: DECEMBER 2015

DRAWING NUMBER: C00290-00-WW-DRD-0010-001 REV NO: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0000-WOR-E11-00002-01



ISOLATING VALVE AND CHAMBER DETAIL
NOT TO SCALE



NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
- ALL HDPE PIPES AND FITTINGS MUST COMPLY WITH SANS ISO 4427.
- CORROSION PROTECTION:** STEEL PIPES, SPECIALS AND FLANGES PASSING THROUGH CHAMBER WALLS AND OUTSIDE CHAMBERS (SOIL), TO BE TAPE WRAPPED.
- CONCRETE:** STRENGTH REQUIREMENT AT 28 DAYS: STRUCTURAL CONCRETE GRADE 30/19 MPa. BLINDING AND MASS CONCRETE FILLING GRADE 15/19 MPa.
FINISHES: **ROUGH:** CONCEALED SURFACES BELOW FINISHED GROUND LEVEL, EXCEPT INSIDE CHAMBERS. REFER TO THE SPECIFICATIONS. **SMOOTH:** ALL SURFACE FINISHES NOT CLASSIFIED AS "ROUGH" ABOVE SHALL BE CLASSIFIED AS "SMOOTH". REFER TO THE SPECIFICATIONS. ALL EXPOSED EDGES TO HAVE 20 x 20mm CHAMFERS.
- ALL STEEL BOLTS, NUTS AND ANCHOR BOLTS INTO CONCRETE SHALL BE STAINLESS STEEL GRADE 304.

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B	06/08/15	LL	WWS	ISSUED FOR DETAIL DESIGN
C	29/09/15	LL	WWS	ISSUED FOR SQUAD CHECK
D	05/10/15	LL	WWS	ISSUED FOR CLIENT REVIEW
E	02/11/15	LL	WWS	ISSUED FOR CLIENT APPROVAL
O	03/12/15	LL	WWS	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: W v STADEN		03/12/2015
CHECKED: LH LOUW		03/12/2015
DESIGNER: LH LOUW		03/12/2015
PR ENG: LH LOUW 20090253		03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

MOZAMBIQUE
GAS DEVELOPMENT PROJECT

Anadarko
Moçambique Área 1, Lda

PROJECT
AMA 1 RESETTLEMENT VILLAGE
DRAWING DESCRIPTION
DETAILS OF COMMUNITY WATER DRINKING FOUNTAIN INSTALLATION

SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
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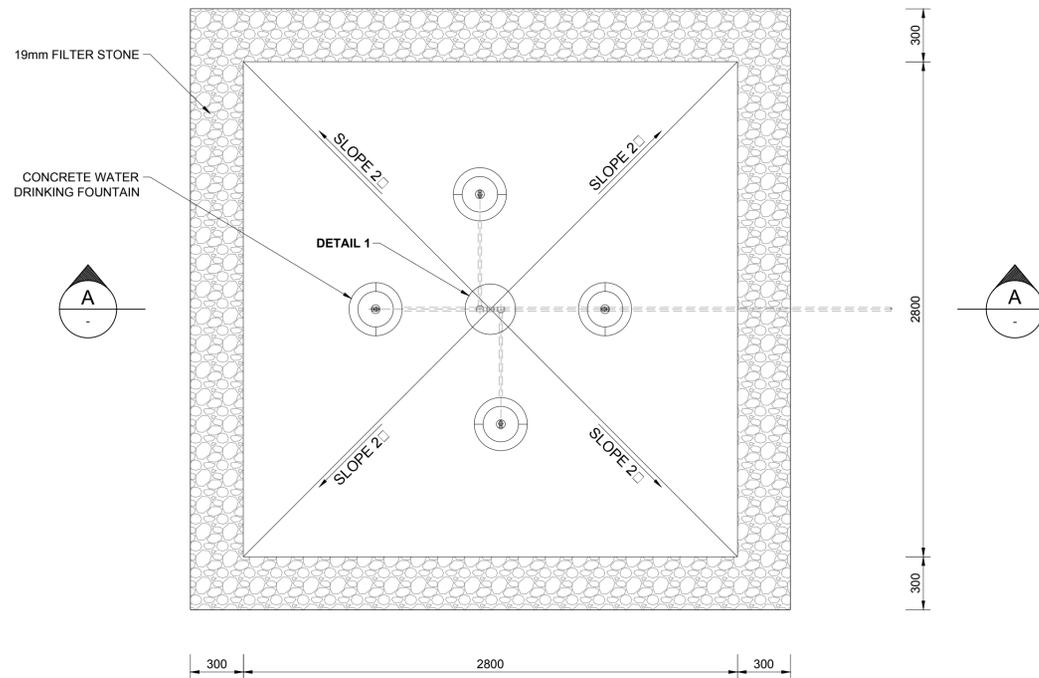
DRAWING NUMBER C00290-00-WW-DRD-0030-001	REV NO 0
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ANADARKO DRAWING NUMBER
EA-MZ-CI0000-WOR-E05-00060-01

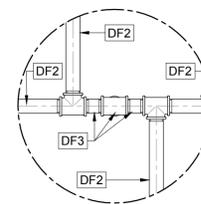
REFERENCES	
ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-01295-01	COMMUNITY FACILITIES: SCHOOL: WATER AND SANITATION LAYOUT SHEET 1 OF 3
EA-MZ-CI0100-WOR-E05-00595-01	COMMUNITY FACILITIES: COMMUNITY CENTRE: WATER AND SANITATION LAYOUT SHEET 1 OF 3
EA-MZ-CI0100-WOR-E05-00495-01	COMMUNITY FACILITIES: ADMINISTRATION CENTRE: WATER AND SANITATION LAYOUT SHEET 1 OF 3
EA-MZ-CI0100-WOR-E05-00395-01	COMMUNITY FACILITIES: POLICE STATION: WATER AND SANITATION LAYOUT SHEET 1 OF 3
EA-MZ-CI0100-WOR-E05-00195-01	COMMUNITY FACILITIES: CLINIC: WATER AND SANITATION LAYOUT SHEET 1 OF 3
EA-MZ-CI0100-WOR-E05-00795-01	COMMUNITY FACILITIES: MARKET: WATER AND SANITATION LAYOUT SHEET 1 OF 3
EA-MZ-CI0100-WOR-E05-00895-01	COMMUNITY FACILITIES: BUS STOP: WATER AND SANITATION LAYOUT SHEET 1 OF 3

DRINKING FOUNTAIN DETAIL			
ITEM No.	DESCRIPTION	QTY	PRESSURE RATING (BAR)
DF1	CONCRETE FLOOR STANDING OUTDOOR DRINKING FOUNTAIN, COMPLETE WITH INTERNAL PIPEWORK AND DRINKING PUSH TAP (REFER TO DETAIL 3), EMBEDDED INTO CONCRETE SLAB	4	-
DF2	20mm ND HDGMS PIPE, 375mm LONG, THREADED AT BOTH ENDS	4	-
DF3	20mm ND HDGMS EQUAL T-PIECE	3	-
DF4	20mm ND HDGMS PIPE, 150mm LONG, THREADED BOTH ENDS	1	-
DF5	20mm ND HDGMS FEMALE THREADED BSP ELBOW	1	-
DF6	20mm ND HDGMS SUPPLY PIPE, THREADED AT BOTH ENDS, 1 800 mm LONG	1	-
DF7	20mm ND x 3/8" HDPE TO HDGMS FEMALE ADAPTOR	1	16

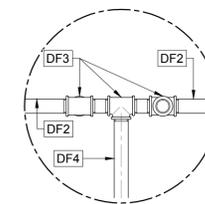
PLEASE NOTE THAT 'HDGMS' STANDS FOR HOT DIPPED GALVANIZED MILD STEEL



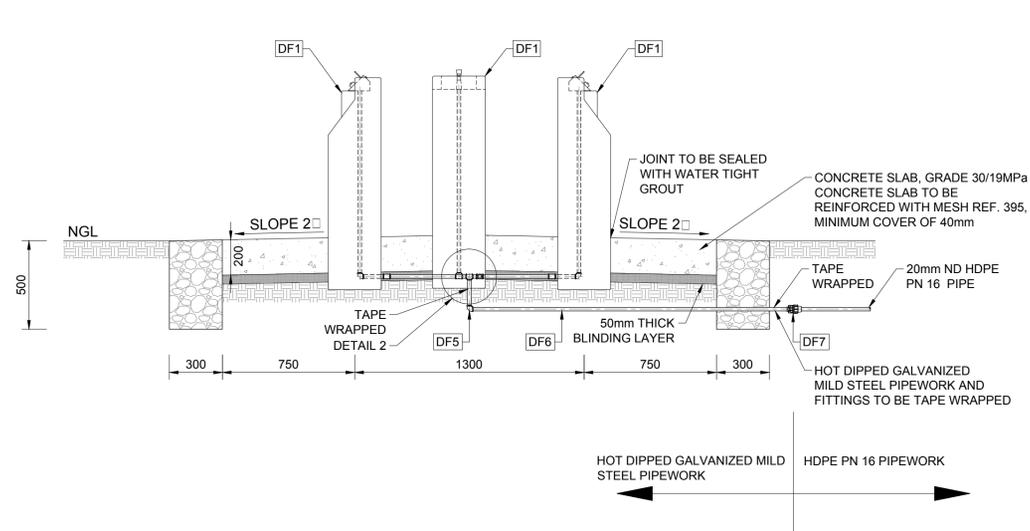
PLAN VIEW OF WATER DRINKING FOUNTAIN FOR COMMUNITY FACILITIES
SCALE 1:20



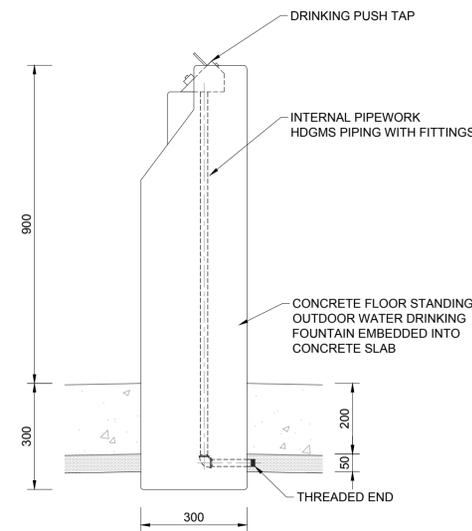
DETAIL 1
SCALE 1:5



DETAIL 2
SCALE 1:5



SECTION A-A
SCALE 1:20



DETAIL 3
SCALE 1:10