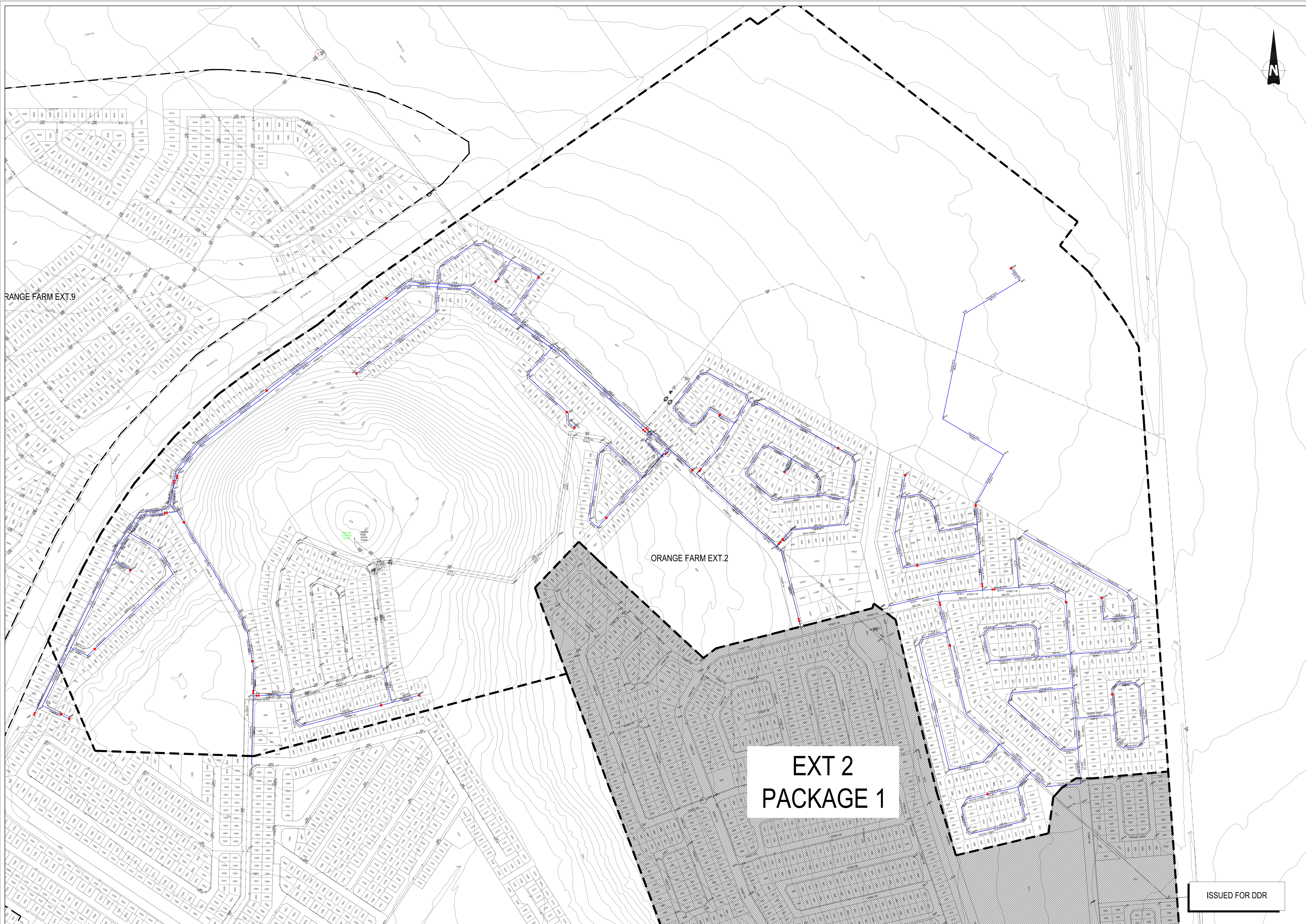




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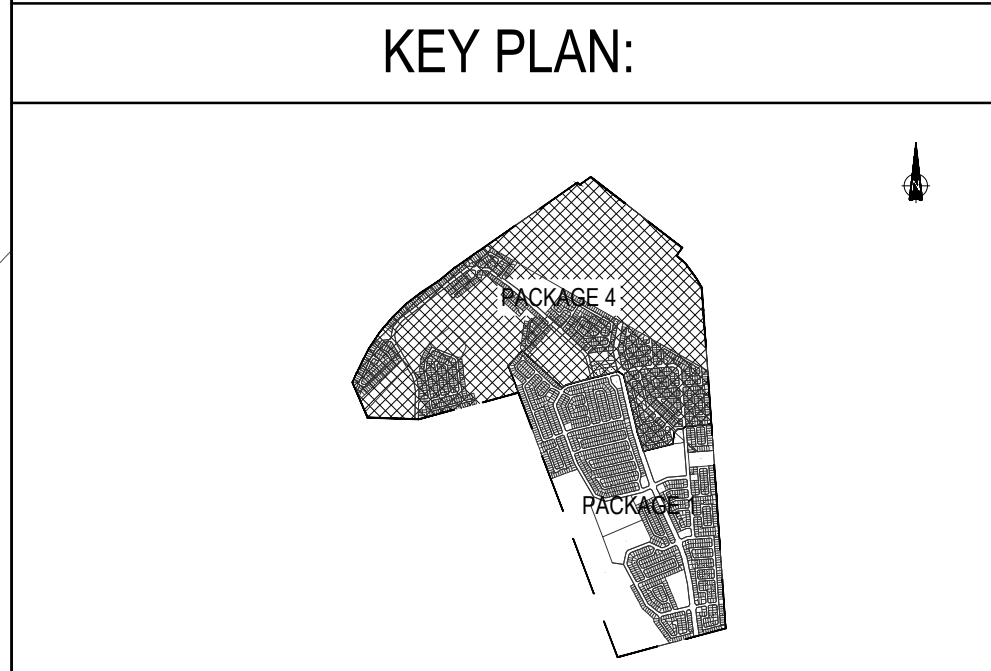
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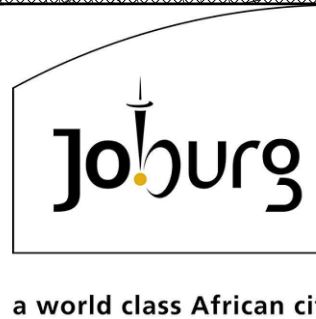
- WATER:**
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 7. mPVC PIPES TO BE CLASS 16 AND HDPE PIPES TO BE PE100 SDR11, UNLESS INSTRUCTED OTHERWISE.

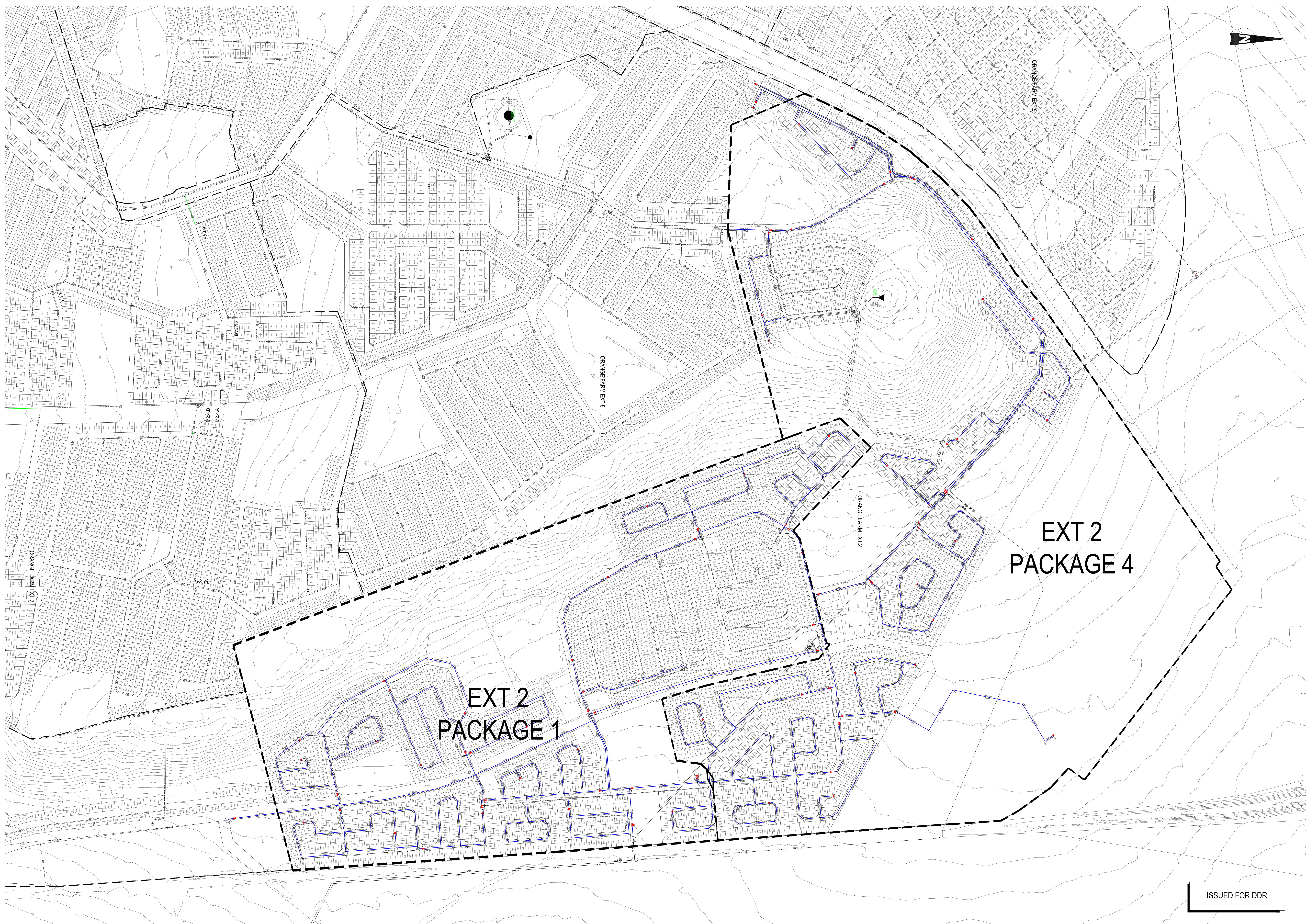
- LEGEND**
- NEW mPVC WATER PIPE PACKAGE 1
 - NEW HYDRANT
 - NEW VALVE
 - NEW FLOW CONTROL VALVE
 - NEW BULK FLOW METER
 - NEW PRV
 - NEW BOUNDARY VALVE
 - NEW END CAP
 - EXISTING WATER PIPE
 - EXISTING VALVE
 - EXISTING HYDRANT
 - EXISTING BULK METER
 - EXISTING PRV
 - EXISTING BOUNDARY VALVE
 - PIPE TO BE DECOMMISSIONED
 - EXISTING RAND WATER / BULK PIPELINES
 - CONTOURS
 - EXTENSION BOUNDARY

REFER TO DRAWING No:

JW-OF-EXT2-GLP-W01:	GENERAL LAYOUT PLAN
JW-OF-EXT2-LP-W01:	LAYOUT PLAN PACKAGE 1 SHEET 1
	LAYOUT PLAN PACKAGE 1 SHEET 2
JW-OF-EXT2-LP-W02:	LAYOUT PLAN PACKAGE 4 SHEET 1
	LAYOUT PLAN PACKAGE 4 SHEET 2
JW100-DET02-W01:	BEDDINGS DETAIL
JW100-DET03-W01:	TYPICAL VALVE BOX
JW100-DET05-W01:	TYPICAL TRUST BLOCK DETAILS
JW100-DET08-W01:	FIRE HYDRANT DETAIL
JW100-DET12-W01:	DETAILS OF SERVICE MARKERS



CONSULTING ENGINEERS CAPEX - ENGINEERING SERVICE UNIT TURBINE HALL - 3RD FLOOR 65 NTEMI PILISO STREET NEWTOWN JOHANNESBURG 2113	DESIGNED	T.RAMATLO	10/03/2025																																													
	DRAWN	SIGNATURE:	ppc																																													
		M.I.BALLIM	24/02/2025																																													
	CHECKED	SIGNATURE:																																														
	APPROVED BY:	T.MPANDAGUTA																																														
	SIGNATURE:		ECSA REG. No:																																													
	JOHANNESBURG WATER SOC Ltd TURBINE HALL 65 NTEMI PILISO STREET NEWTOWN JOHANNESBURG 2113 TEL: +27 (0)11 688 1400 FAX: +27(0)11 688-1528																																															
	Municipality:																																															
Project description:																																																
 a world class African city																																																
ORANGE FARM EXT 2 WATER UPGRADE PROJECT LAYOUT PLAN PACKAGE 4																																																
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DRAWING No: JW-OF-EXT2-LAY-W02																																																
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PROJECT No:	A0	SHEET	1	OF	1																																											
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<table><tr><td colspan="2">WATER</td><td colspan="2">B</td></tr><tr><td colspan="2">DISCIPLINARY</td><td colspan="2">REV.</td></tr></table>				WATER		B		DISCIPLINARY		REV.																																						
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DISCIPLINARY		REV.																																														



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LEGEND

	NEW mPVC WATER PIPE PACKAGE 1 & 4
	NEW HYDRANT
	NEW VALVE
	NEW FLOW CONTROL VALVE
	NEW BULK FLOW METER
	NEW PRV
	NEW BOUNDARY VALVE
	NEW END CAP
	EXISTING WATER PIPE
	EXISTING VALVE
	EXISTING HYDRANT
	EXISTING BULK METER
	EXISTING PRV
	EXISTING BOUNDARY VALVE
	PIPE TO BE DECOMMISSIONED
	EXISTING RAND WATER / BULK PIPELINES
	CONTOURS
	EXTENSION BOUNDARY

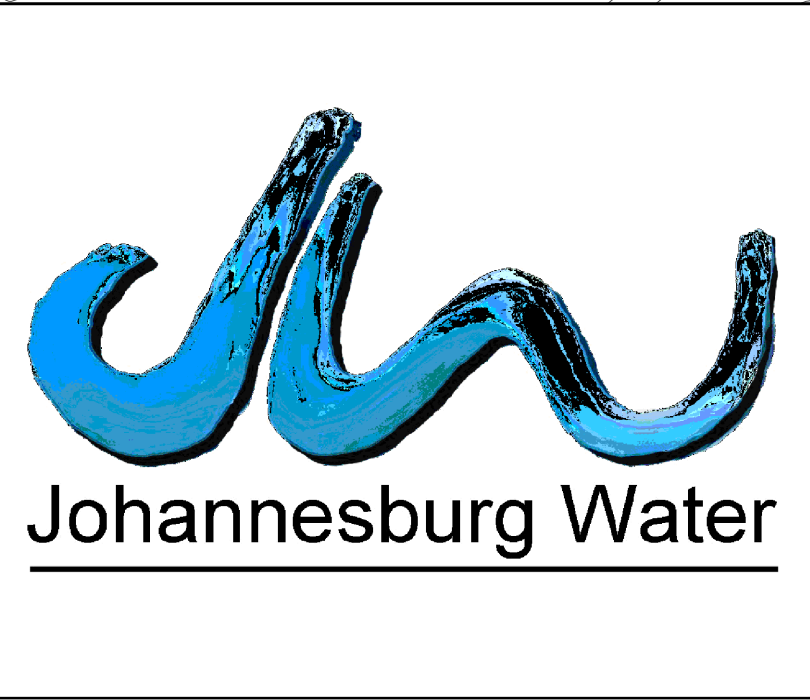
REFER TO DRAWING No:

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JW-OF-EXT2-LP-W01:	LAYOUT PLAN PACKAGE 1
JW-OF-EXT2-LP-W02:	LAYOUT PLAN PACKAGE 4
JW100-DET02-W01:	BEDDING DETAIL
JW100-DET05-W01:	TYPICAL VALVE BOX
JW100-DET08-W01:	TYPICAL TRUST BLOCK DETAILS
JW100-DET08-W01:	FIRE HYDRANT DETAIL
JW100-DET12-W01:	DETAILS OF SERVICE MARKERS

KEY PLAN:

ISSUED FOR DDR

CONSULTING ENGINEERS CAPEX - ENGINEERING SERVICE UNIT TURBINE HALL - 3RD FLOOR 65 NTEMI PILISO STREET NEWTOWN JOHANNESBURG 2113	DESIGNED	T.RAMATLO	
	DRAWN	SIGNATURE:	
		M.J.BALLIM	24/02/2025
	CHECKED	SIGNATURE:	
		T.RAMATLO	
APPROVED BY:		SIGNATURE:	
		T.MPANDAGUTA	
		SIGNATURE:	ECSA REG. No:



JOHANNESBURG WATER SOC Ltd
TURBINE HALL
65 NTEMI PILISO STREET
NEWTOWN
JOHANNESBURG
2113
TEL: +27 (0)11 688 1400
FAX: +27(0)11 688-1528

Municipality:

Project description:

a world class African city

ORANGE FARM EXT 2
WATER UPGRADE PROJECT
GENERAL LAYOUT PLAN
PACKAGE 1 & 4

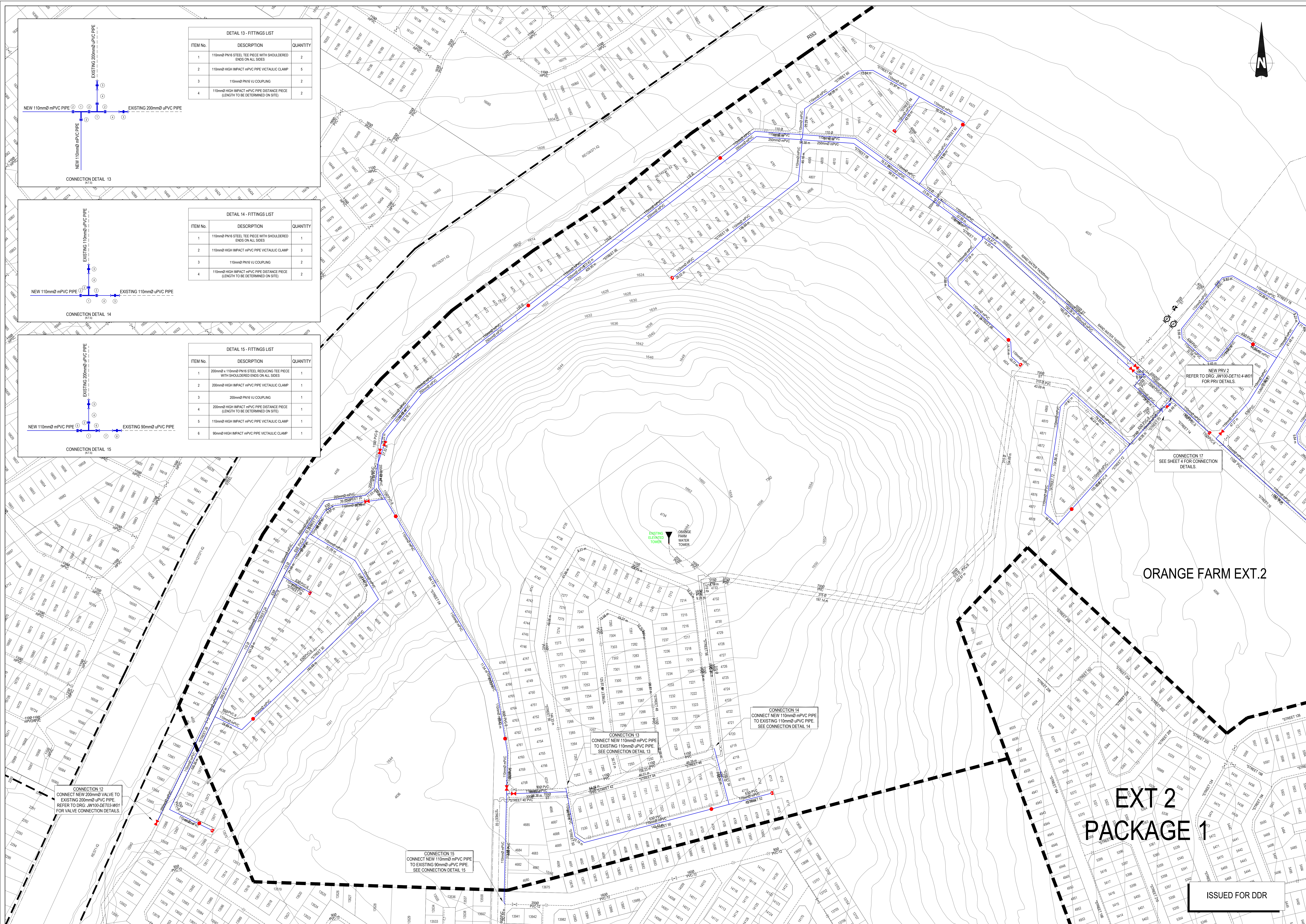
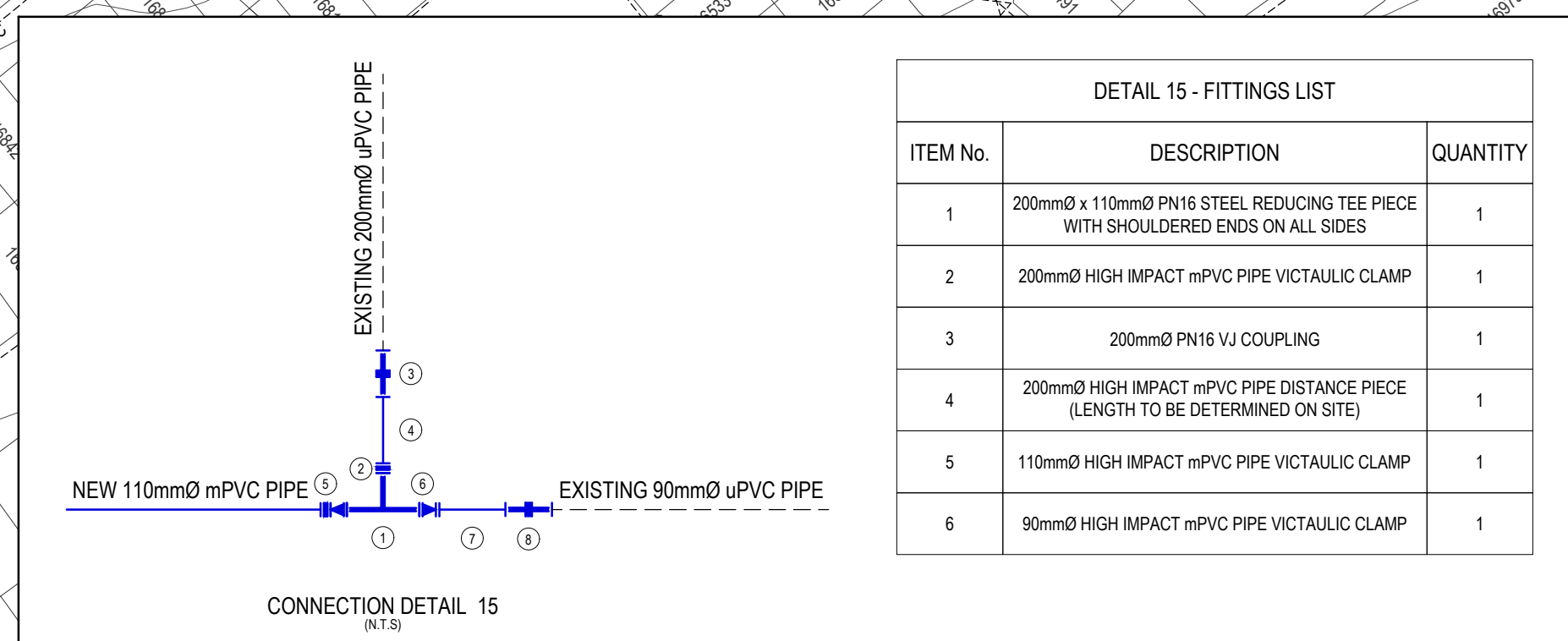
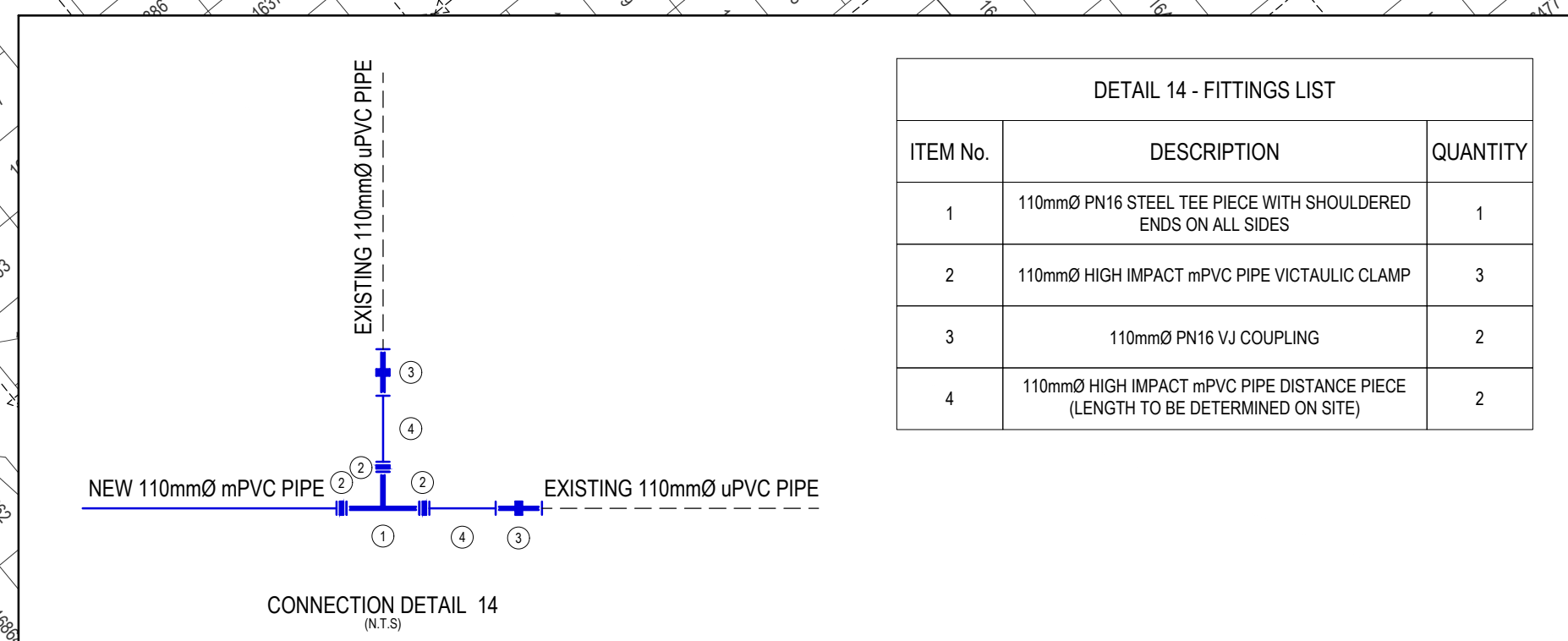
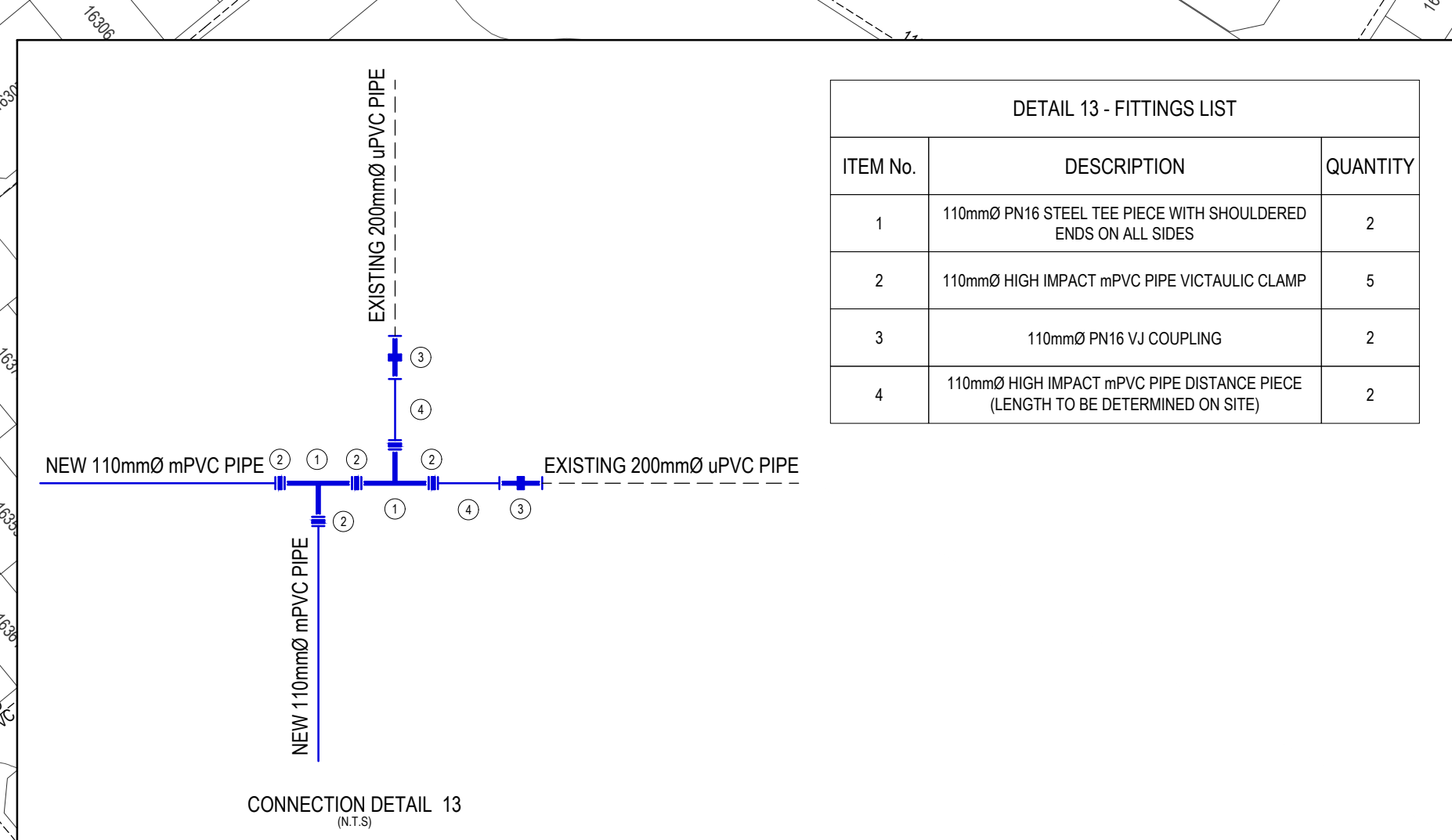
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	B	ISSUED FOR DDR	2023/02/24	MB	TM

DRAWING No: JW-OF-EXT2-GLP-W01

PROJECT No.	WATER	DISCIPLINARY	REV.
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SHEET		OF	

ORIGINAL PAGE SIZE

FILE No:



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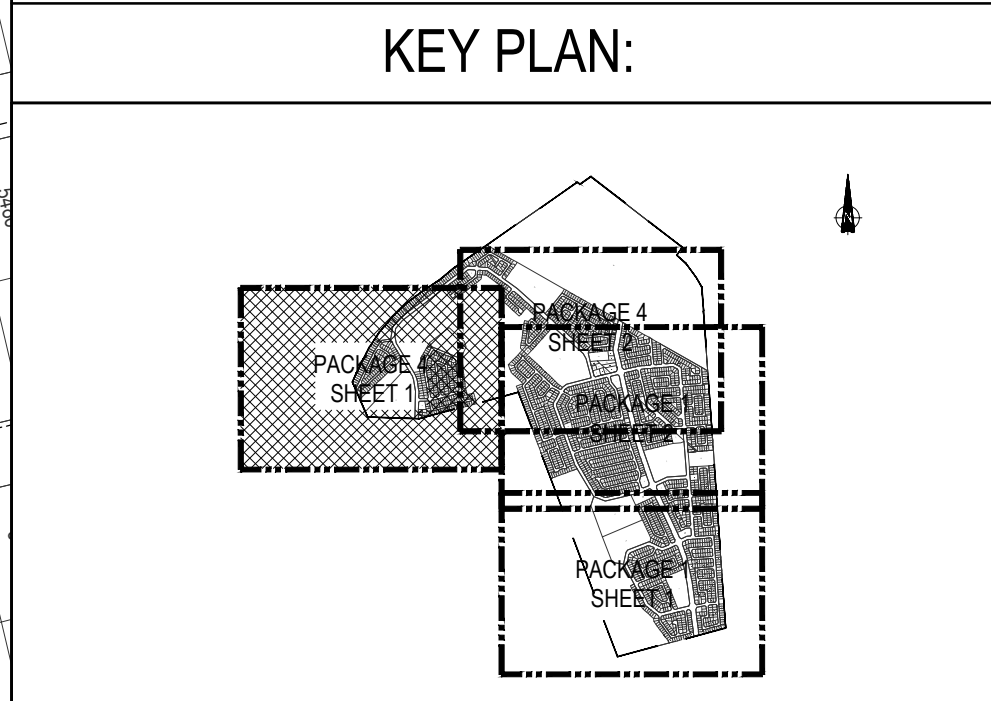
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- LEGEND
- NEW mPVC WATER PIPE PACKAGE 4
 - NEW HYDRANT
 - NEW VALVE
 - NEW FLOW CONTROL VALVE
 - NEW BULK FLOW METER
 - NEW PRV
 - NEW BOUNDARY VALVE
 - NEW END CAP
 - EXISTING WATER PIPE
 - EXISTING VALVE
 - EXISTING HYDRANT
 - EXISTING BULK METER
 - EXISTING PRV
 - EXISTING BOUNDARY VALVE
 - PIPE TO BE DECOMMISSIONED
 - EXISTING RAND WATER / BULK PIPELINES
 - CONTOURS
 - EXTENSION BOUNDARY

REFER TO DRAWING No:

	GENERAL LAYOUT PLAN
JW-OF-EXT2-GLP-W01:	LAYOUT PLAN PACKAGE 1 SHEET 1
JW-OF-EXT2-LP-W01:	LAYOUT PLAN PACKAGE 1 SHEET 2
JW-OF-EXT2-LP-W02:	LAYOUT PLAN PACKAGE 4 SHEET 1
JW-OF-EXT2-LP-W03:	LAYOUT PLAN PACKAGE 4 SHEET 2
JW100-DET02-W01:	BEDDINGS DETAIL
JW100-DET03-W01:	TYPICAL VALVE BOX
JW100-DET05-W01:	TYPICAL TRUST BLOCK DETAILS
JW100-DET08-W01:	FIRE HYDRANT DETAIL
JW100-DET12-W01:	DETAILS OF SERVICE MARKERS



CONSULTING ENGINEERS
CAPEX - ENGINEERING SERVICE UNIT
TURBINE HALL - 3RD FLOOR
65 NTEMI PILISO STREET
NEWTOWN
JOHANNESBURG
2113

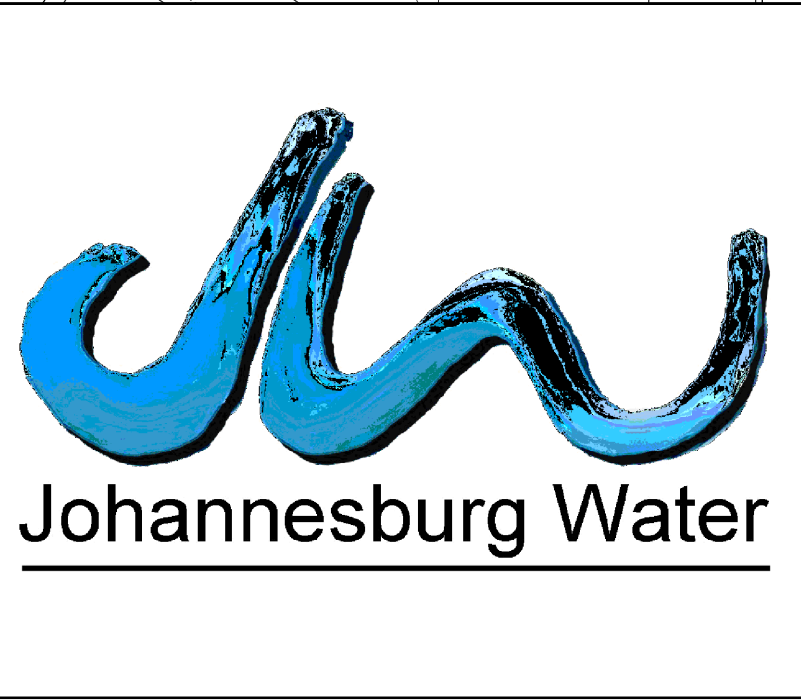
DESIGNED: T.RAMATLO

DRAWN: M.I.BALLIM

CHECKED: T.RAMATLO

APPROVED BY: T.MPANDAGUTA

SIGNATURE: ECSA REG. No.



JOHANNESBURG WATER SOC Ltd
TURBINE HALL
65 NTEMI PILISO STREET
NEWTOWN
JOHANNESBURG
2113
TEL: +27 (0)11 688 1400
FAX: +27(0)11 688-1528

Municipality:

Project description:

Joburg
a world class African city

ORANGE FARM EXT 2
WATER UPGRADE PROJECT
LAYOUT PLAN
PACKAGE 4

SCALE

1:1250

REV	DESCRIPTION	DATE	BY	APV
A	ISSUED FOR PDR	2023/01/06	MB	TM
B	ISSUED FOR DDR	2023/02/04	MB	TM

AMENDMENTS

REV	DESCRIPTION	DATE	BY	APV
A	ISSUED FOR PDR	2023/01/06	MB	TM
B	ISSUED FOR DDR	2023/02/04	MB	TM

DRAWING No: JW-OF-EXT2-LP-W02

PROJECT No: A0

SHEET 1 OF 2

WATER - B

DISCIPLINARY REV.

FILE No:



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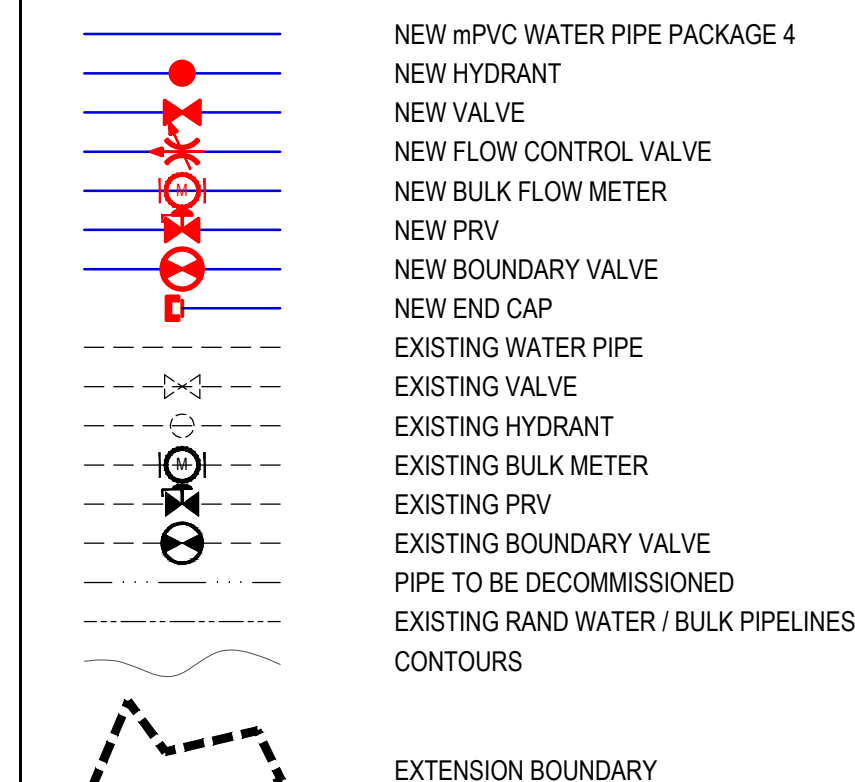
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WATER

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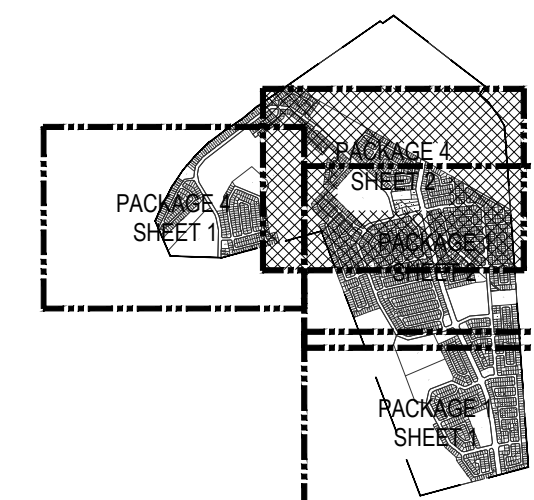
LEGEND



REFER TO DRAWING No:

JW-OF-EXT2-GLP-W01:	GENERAL LAYOUT PLAN
JW-OF-EXT2-LP-W01:	LAYOUT PLAN PACKAGE 1 SHEET 1 LAYOUT PLAN PACKAGE 1 SHEET 2
JW-OF-EXT2-LP-W02:	LAYOUT PLAN PACKAGE 4 SHEET 1 LAYOUT PLAN PACKAGE 4 SHEET 2
JW100-DET02-W01:	BEDDING DETAIL
JW100-DET03-W01:	TYPICAL VALVE BOX
JW100-DET05-W01:	TYPICAL TRUST BLOCK DETAILS
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JW100-DET12-W01:	DETAILS OF SERVICE MARKERS

KEY PLAN:



DRAWING No: JW-OF-EXT2-LP-W02

PROJECT No.		DISCIPLINARY		B	
REV.		REV.		REV.	
A0		SHEET 2		OF 2	
ORIGINAL PAGE SIZE					

CONSULTING ENGINEERS
CAPEX - ENGINEERING SERVICE UNIT
TURBINE HALL - 3RD FLOOR
65 NTEMI PILISO STREET
NEWTOWN
JOHANNESBURG
2113

DESIGNED	T.RAMATLO	
	SIGNATURE:	
DRAWN	M.I.BALLIM	24/02/2025
	SIGNATURE:	<i>[Signature]</i>
CHECKED	T.RAMATLO	
	SIGNATURE:	
APPROVED BY:	T.M.PANDIAGUTA	
	SIGNATURE:	ECSA REG. No:



JOHANNESBURG WATER SOC Ltd
TURBINE HALL
65 NTEMI PILISO STREET
NEWTOWN
JOHANNESBURG
2113
TEL: +27 (0)11 688 1400
FAX: +27(0)11 688-1528

Municipality:

Project description:



ORANGE FARM EXT 2
WATER UPGRADE PROJECT
LAYOUT PLAN
PACKAGE 4

SCALE

AMENDMENTS

[illegible]

ORANGE FARM



ORANGE FARM EXT.1

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CONSTRUCTION

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DESIGNED

M.GROBLER

DATE:10/03/2025

DRAWN

M.I.BALLIM

DATE: 09/03/2025

CHECKED

B.MIYA

DATE: 05/03/2025

APPROVED BY:

L.KHAMA

DATE: 05/03/2025

201470166

ECSA REG. No.



CONSULTING ENGINEERS
CAPEX - ENGINEERING SERVICE UNIT
THIRD FLOOR, TURBINE HALL
65 NTEMI PILISO, NEWTOWN, JOHANNESBURG
TEL: (011) 688 1400
FAX: (011) 688 1529



ORANGE FARM - PACKAGE 4
STS WATER METER INSTALLATION PROJECT
LAYOUT PLAN
EXTENSION 1

SCALE

N.T.S

REV.

0

AMENDMENTS

DESCRIPTION

DATE

27/02/2025

DRAWING No. JW.....STS-P4-LAY-W02

PROJECT No.

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ORIGINAL PAGE SIZE

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FILE No.

WATER

DISCIPLINARY

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REV.

1



ORANGE FARM EXT.3

STRETFORD EXT.2

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DESIGNED	M.GROBLER	DATE	10/03/2025
SIGNATURE	pp	DATE	05/03/2025
DRAWN	M.I.BALLIM	DATE	05/03/2025
SIGNATURE	B.MIYA	DATE	05/03/2025
CHECKED	B.MIYA	DATE	05/03/2025
SIGNATURE	L.KHAMA	DATE	05/03/2025
APPROVED BY:	L.KHAMA	DATE	05/03/2025
		201470166	



CONSULTING ENGINEERS
CAPEX - ENGINEERING SERVICE UNIT
THIRD FLOOR, TURBINE HALL
65 NTEMI PILISO, NEWTOWN, JOHANNESBURG
TEL: (011) 688 1400
FAX: (011) 688 1529



ORANGE FARM - PACKAGE 4
STS WATER METER INSTALLATION PROJECT
LAYOUT PLAN
EXTENSION 3

SCALE

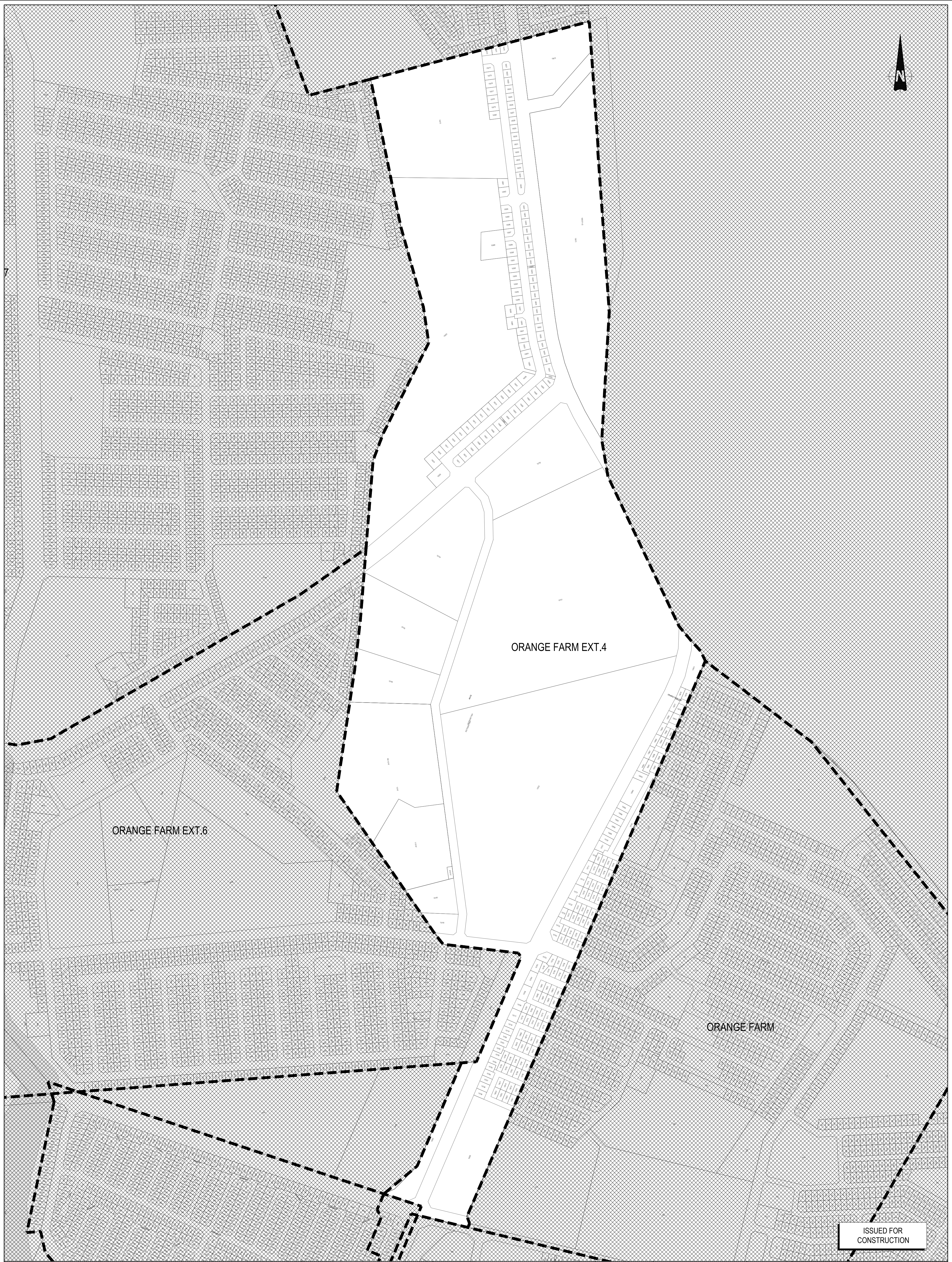
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AMENDMENTS

REV:	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	27/02/2025

DRAWING No. JW.....STS-P4-LAY-W03

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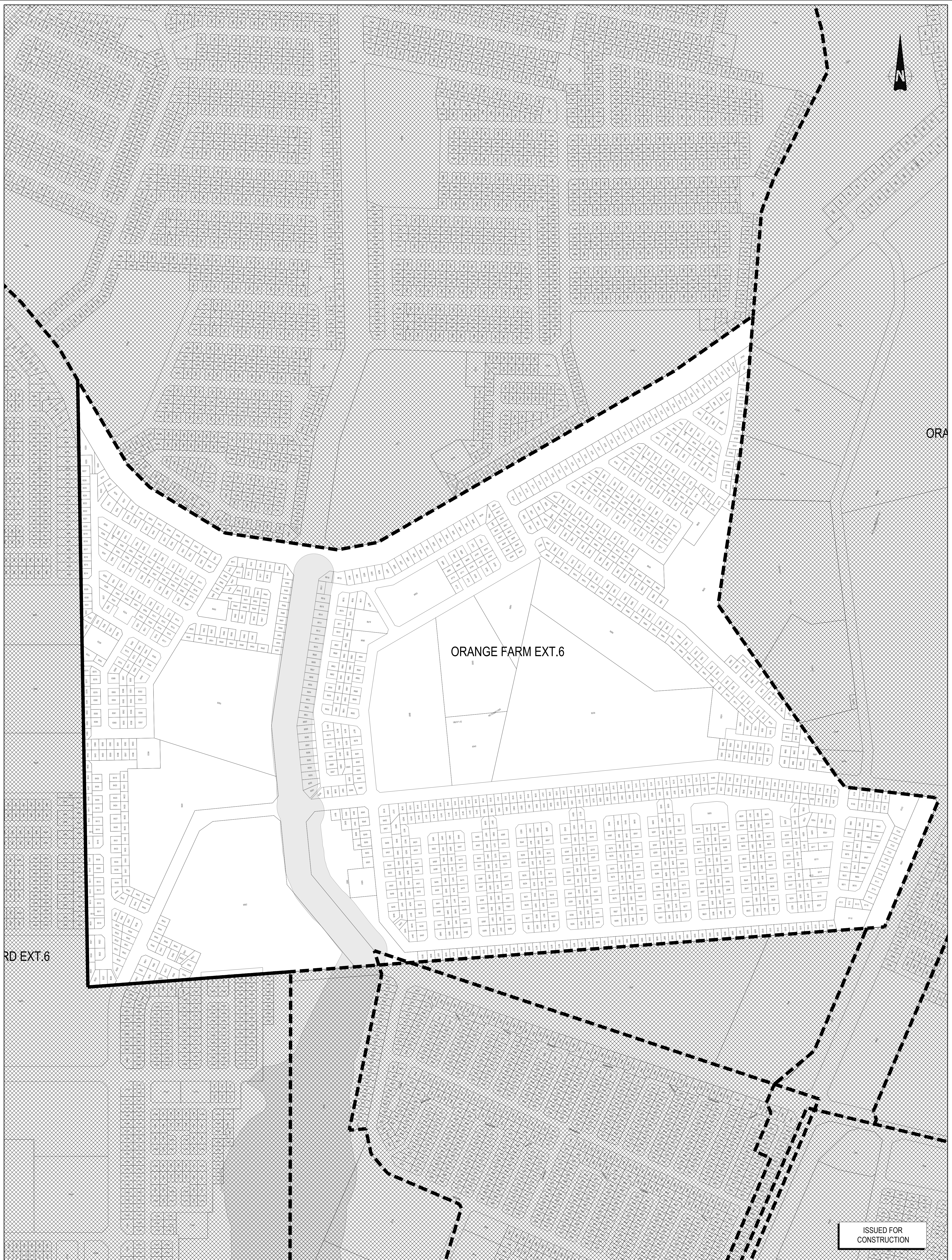
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		SIGNATURE	pp	
	DRAWN	M.I.BALLIM	DATE	05/03/2025
		SIGNATURE		
	CHECKED	B.MIYA	DATE	05/03/2025
	SIGNATURE			
APPROVED BY:	L.KHAMA	DATE	05/03/2025	
		201470166		
		ECSA REG. No.		

 Johannesburg Water CONSULTING ENGINEERS CAPEX - ENGINEERING SERVICE UNIT THIRD FLOOR, TURBINE HALL 65 NTEMI PILISO, NEWTOWN, JOHANNESBURG TEL: (011) 688 1400 FAX: (011) 688 1529	 Joburg ORANGE FARM - PACKAGE 4 STS WATER METER INSTALLATION PROJECT LAYOUT PLAN EXTENSION 4

SCALE		AMENDMENTS		DRAWING No. JW.....STS-P4-LAY-W04
N.T.S.	REV:	DESCRIPTION	DATE:	
	0	ISSUED FOR CONSTRUCTION	27/02/2025	

PROJECT No.	DISCIPLINARY	REV.
.....	WATER	0
A0	SHEET	1 OF 1
ORIGINAL PAGE SIZE		
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DRAWN M.I.BALLIM	SIGNATURE pp	DATE: 05/03/2025			PROJECT No. A0	WATER DISCIPLINARY	REV. 0		
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APPROVED BY: L.KHAMA	SIGNATURE L.KHAMA	DATE: 05/03/2025			ORIGINAL PAGE SIZE A0				
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ORANGE FARM EXT.8



ORANGE FARM EXT.7

ORANGE FARM EXT.6

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DESIGNED

M.GROBLER

DATE 10/03/2025

DRAWN

M.I.BALLIM

DATE 05/03/2025

CHECKED

B.MIYA

DATE 05/03/2025

APPROVED BY:

L.KHAMA

DATE 05/03/2025

201470166

ECSA REG. NO.



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ORANGE FARM - PACKAGE 4
STS WATER METER INSTALLATION PROJECT
LAYOUT PLAN
EXTENSION 7

SCALE

N.T.S

REV.

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AMENDMENTS

DESCRIPTION

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DRAWING No. JW.....STS-P4-LAY-W06

PROJECT No.

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ORANGE FARM EXT.8

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DESIGNED

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ORANGE FARM - PACKAGE 4
STS WATER METER INSTALLATION PROJECT
LAYOUT PLAN
EXTENSION 8

SCALE

N.T.S

REV:

0

AMENDMENTS

DESCRIPTION

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DATE: 27/02/2025

DRAWING No. JW.....STS-P4-LAY-W07

PROJECT No.

DISCIPLINARY

WATER

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