

LEGEND

EXISTING SERVICES

ERF BOUNDARY

DEVELOPABLE AREA

RESERVOIR

PROPOSED SERVICES

250mmØ PVC-U CLASS 12 WATER PIPELINE

90mmØ PVC-U CLASS 16 RISING MAIN TO BERG FOUNTAIN RESERVOIR

BOOSTER PUMP STATION

RESERVOIR

The reference made to Engineer will also refer to Employer's Agent for GCC 2015 Contracts

SCALEBAR

0150300

Meters1:5000

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

A	FOR SERVICES REPORT	'22-03-02	NL	RS	
REV	DESCRIPTION	DATE	REV BY	CHKD	
REVISIONS					

DESIGNED	AP	'21-09
DRAWN	AP	'21-09
CHECKED	RS	'21-09

CONSULTING ENGINEERS

LYNERS

PO Box 4901
TYGERVALLEY
7530
Tel: 021 914 0300/Fax: 021 914 0437
email: bellville@lyners.co.za

APPROVED

ENGINEERS: _____

DATE: _____ 2022-03-02

APPROVED

CLIENT: _____

DATE: _____

CLIENT

BOSCHENDAL (PTY) LTD

PNIEL ROAD
GROOT DRAKENSTEIN
7680

PROJECT

BOSCHENDAL FOUNDERS ESTATE

TITLE

PROPOSED EXTERNAL WATER

SCALE on A1	SHEET
1:5000	1 OF 1
CONTRACT No.	PROJECT No.
	19111
DRAWING No.	REV
19111-C-FigureJ	A
COORDINATE SYSTEM: WGS84 / Lot9	



LEGEND

EXISTING SERVICES

ERF BOUNDARY

DEVELOPABLE AREA**PROPOSED SERVICES**

SCALEBAR

075150

Meters1:2500

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B	FOR SERVICES REPORT - AUGUST 2022	22-08-29	NL	RS	
A	FOR SERVICES REPORT	22-03-02	NL	RS	
REV	DESCRIPTION	DATE	REV BY	CHKD	
REVISIONS					

DESIGNED

AP

21-09

DRAWN

AP

21-09

CHECKED

RS

21-09

CONSULTING ENGINEERS

LYNERS

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TYGERVALLEY
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email: bellville@lyniers.co.za

APPROVED

ENGINEERS: _____

DATE: 2022-08-29

APPROVED

CLIENT: _____

DATE: _____

CLIENT

BOSCHENDAL (PTY) LTD

PNIEL ROAD
GROOT DRAKENSTEIN
7680

PROJECT

BOSCHENDAL FOUNDERS ESTATE

TITLE

PROPOSED EXTERNAL SEWER

SCALE on A1

1:2500

SHEET

1 OF 1

CONTRACT No.

PROJECT No.

19111

DRAWING No.

REV

19111-C-FigureK

COORDINATE SYSTEM: WGS84 / L019

The reference made to Engineer will also refer to Employer's Agent for GCC 2015 Contracts



LEGEND

EXISTING SERVICES

ERF BOUNDARY

DEVELOPABLE AREATREESTELEPHONE POLEHEADWALLGATEROAD SIGN BOARDVALVEFENCE**PROPOSED SERVICES**EXPOSED AGGREGATE PAVED ROADPRIVATE ROADSIDE DRAIN

SCALEBAR

0150300

Meters1:5000

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B	FOR SERVICES REPORT - AUGUST 2022	22-08-29	NL	RS	
A	FOR SERVICES REPORT	22-03-02	NL	RS	
REV	DESCRIPTION	DATE	REV BY	CHKD	
REVISIONS					

DESIGNEDAL'19-11

DRAWNNL'19-11

CHECKEDRS'19-11

CONSULTING ENGINEERS

LYNERS

PO Box 4901
TYGERVALLEY
7530
Tel: 021 914 0300/Fax: 021 914 0437
email: bellville@lyniers.co.za

APPROVED

ENGINEERS: _____

DATE: 2022-08-29

APPROVED

CLIENT: _____

DATE: _____

CLIENT

BOSCHENDAL (PTY) LTD

PNIEL ROAD
GROOT DRAKENSTEIN
7680

PROJECT

BOSCHENDAL FOUNDERS ESTATE

TITLE

PROPOSED ROADS
AND STORMWATER LAYOUT

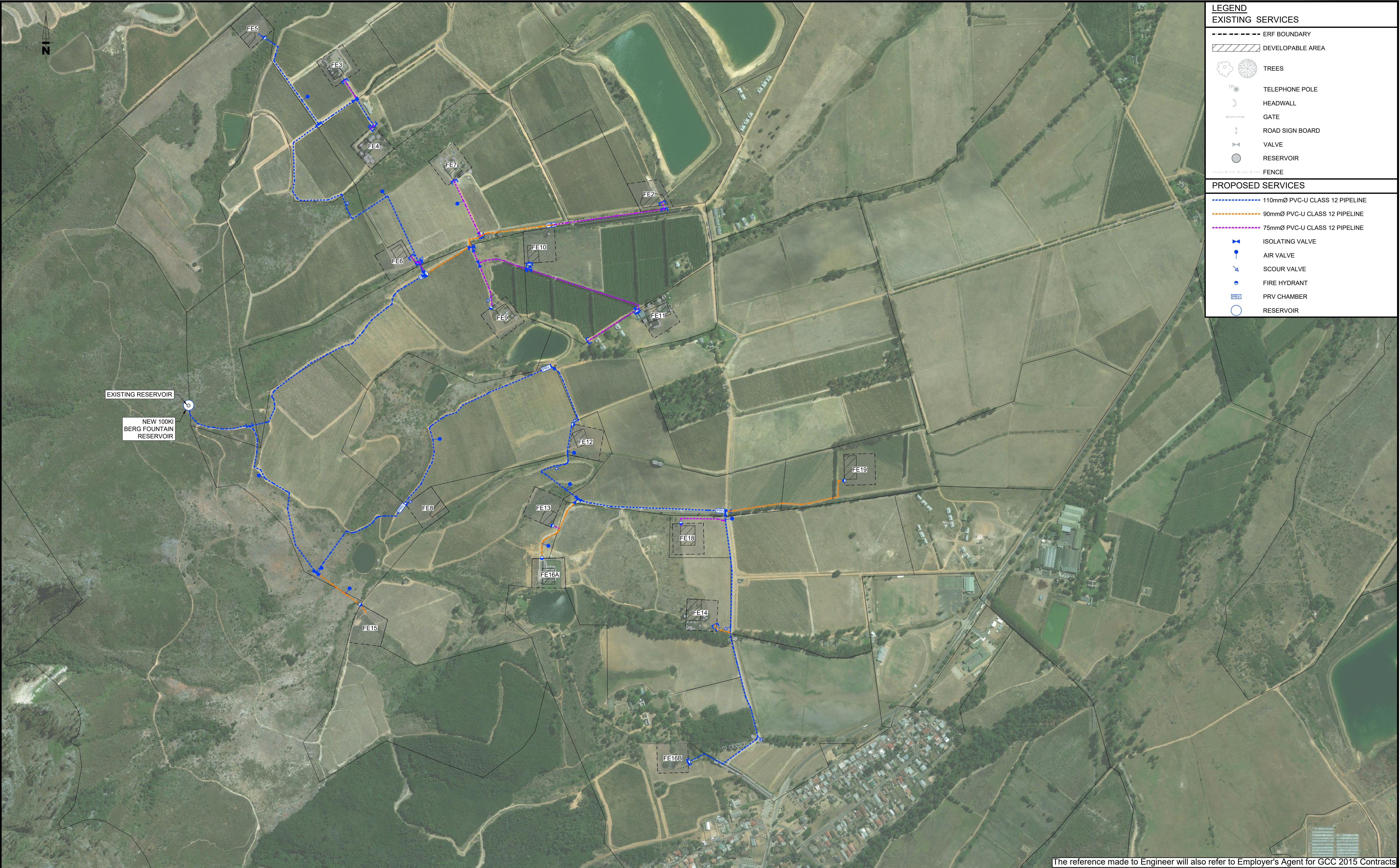
SCALE on A11:5000SHEET1 OF 1

CONTRACT No. PROJECT No.19111

DRAWING No. REV19111-C-FigureL B

COORDINATE SYSTEM: WGS84 / Lot9

The reference made to Engineer will also refer to Employer's Agent for GCC 2015 Contracts



LEGEND

EXISTING SERVICES

ERF BOUNDARY

DEVELOPABLE AREATREESTELEPHONE POLEHEADWALLGATEROAD SIGN BOARDVALVERESERVOIRFENCE**PROPOSED SERVICES**110mmØ PVC-U CLASS 12 PIPELINE90mmØ PVC-U CLASS 12 PIPELINE75mmØ PVC-U CLASS 12 PIPELINEISOLATING VALVEAIR VALVESCOUR VALVEFIRE HYDRANTPRV CHAMBERRESERVOIR

SCALEBAR

0150300

Meters1:5000

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B	FOR SERVICES REPORT - AUGUST 2022	22-08-29	NL	RS	
A	FOR SERVICES REPORT	22-03-02	NL	RS	
REV	DESCRIPTION	DATE	REV BY	CHKD	
REVISIONS					

DESIGNEDAP21-04

DRAWNNL21-04

CHECKEDRS21-04

CONSULTING ENGINEERS

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email: bellville@lyniers.co.za

APPROVED

ENGINEERS: _____

DATE: 2022-08-29

APPROVED

CLIENT: _____

DATE: _____

CLIENT

BOSCHENDAL (PTY) LTD

PNIEL ROAD
GROOT DRAKENSTEIN
7680

PROJECT

BOSCHENDAL FOUNDERS ESTATE

TITLE

PROPOSED INTERNAL WATER LAYOUT

SCALEon A1SHEET

1:50001 OF 1

CONTRACT No.PROJECT No.

19111

DRAWING No. REV

19111-C-FigureM

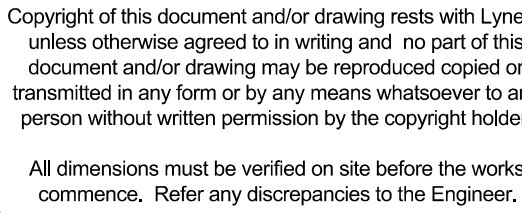
COORDINATE SYSTEM: WGS84 / L019

The reference made to Engineer will also refer to Employer's Agent for GCC 2015 Contracts

1. Construction Joints every 20m with Jointex, for In-Situ Concrete roads.
2. Saw Cut Joints every 5m, for In-Situ Concrete roads.



The reference made to Engineer will also refer to Employer's Agent for GCC 2015 Contracts



DESIGNED	RS	'20-08
DRAWN	NL	'20-08
CHECKED	RS	'20-08

<u>APPROVED</u>	
ENGINEERS:	_____
DATE:	2022-04-14

<u>APPROVED</u>	
CLIENT:	_____
DATE:	_____

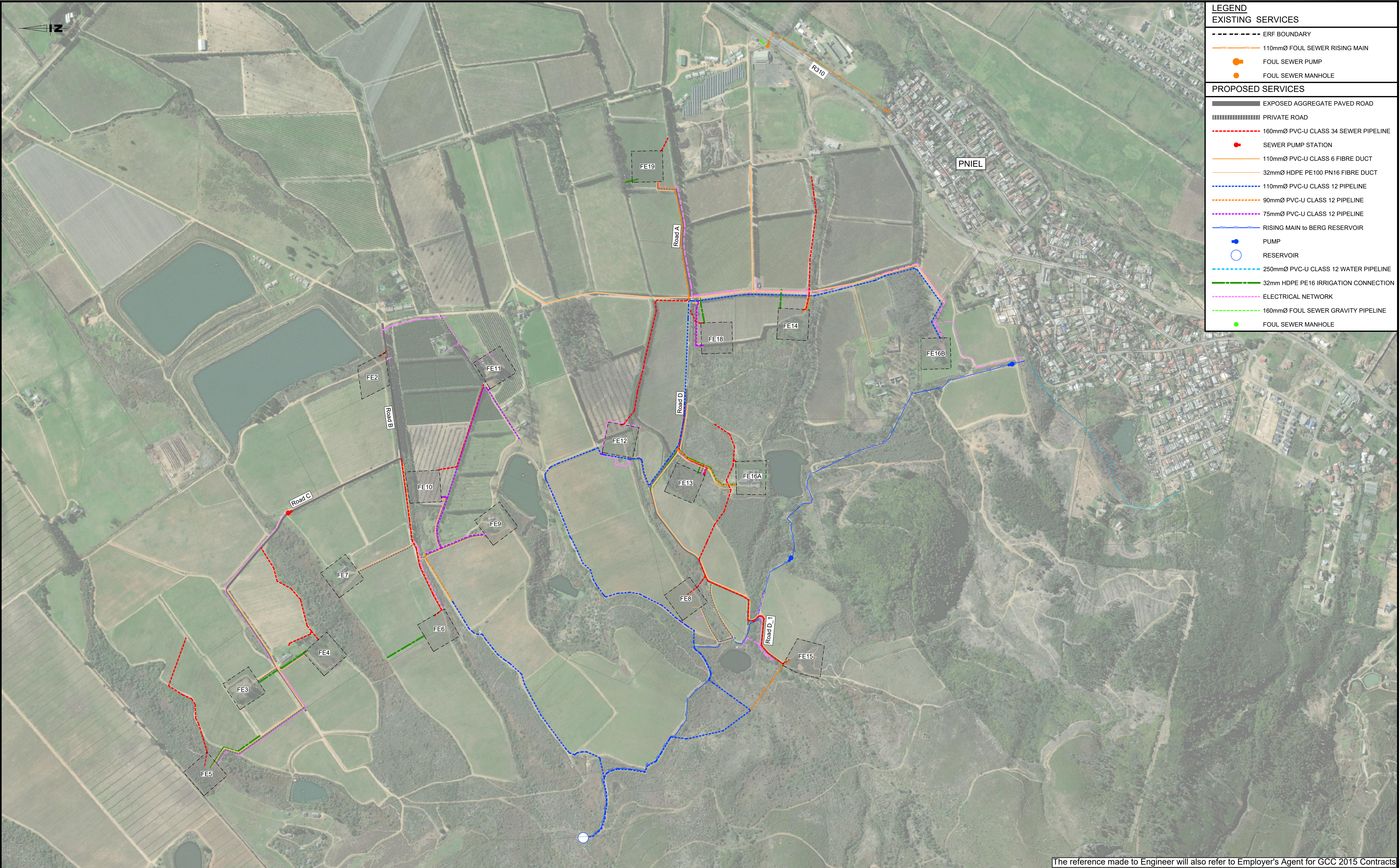
PROJECT

BOSCHENDAL FOUNDERS ESTATE

TITLE

TYPICAL DETAILS OF ROAD CROSS SECTIONS

U:\WERKE\1900\19111 C - BOSCHENDAL FOUNDERS ESTATE\DRAWINGS\1.2 ACTIVE\19111-C-FIGP TYPICAL DETAILS OF ROAD CROSS SECTION DW



LEGEND

EXISTING SERVICES

ERF BOUNDARY

110mmØ FOUL SEWER RISING MAIN

FOUL SEWER PUMP

FOUL SEWER MANHOLE

PROPOSED SERVICES

EXPOSED AGGREGATE PAVED ROAD

PRIVATE ROAD

160mmØ PVC-U CLASS 34 SEWER PIPELINESEWER PUMP STATION

110mmØ PVC-U CLASS 6 FIBRE DUCT

32mmØ HDPE PE100 PN16 FIBRE DUCT

110mmØ PVC-U CLASS 12 PIPELINE

90mmØ PVC-U CLASS 12 PIPELINE

75mmØ PVC-U CLASS 12 PIPELINE

RISING MAIN TO BERG RESERVOIRPUMPRESERVOIR

250mmØ PVC-U CLASS 12 WATER PIPELINE

32mm HDPE PE16 IRRIGATION CONNECTION

ELECTRICAL NETWORK

160mmØ FOUL SEWER GRAVITY PIPELINEFOUL SEWER MANHOLE

The reference made to Engineer will also refer to Employer's Agent for GCC 2015 Contracts

SCALEBAR

0150300

Meters1:5000

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B	AMENDED AS PER COMMENTS	'22-09-01	NL	RS	
A	FOR SERVICES REPORT - AUGUST 2022	'22-08-29	NL	RS	
REV	DESCRIPTION	DATE	REV BY	CHKD	
REVISIONS					

DESIGNED

AP

'19-11

DRAWN

NL

'19-11

CHECKED

RS

'19-11

CONSULTING ENGINEERS

LYNERS

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APPROVED

ENGINEERS: _____

DATE: _____

2022-09-01

APPROVED

CLIENT: _____

DATE: _____

CLIENT

BOSCHENDAL (PTY) LTD

PNIEL ROAD
GROOT DRAKENSTEIN
7680

PROJECT

BOSCHENDAL FOUNDERS ESTATE

TITLE

PROPOSED SERVICES LAYOUT
BAR SCOPE

SCALE on A1

1:5000

SHEET

1 OF 1

CONTRACT No.

PROJECT No.

19111

DRAWING No.

REV

19111-C-FigureQ

COORDINATE SYSTEM: WGS84 / L019