FINAL SCOPING REPORT

FOR

FARM KWIKSTAART 431 KQ portion 2

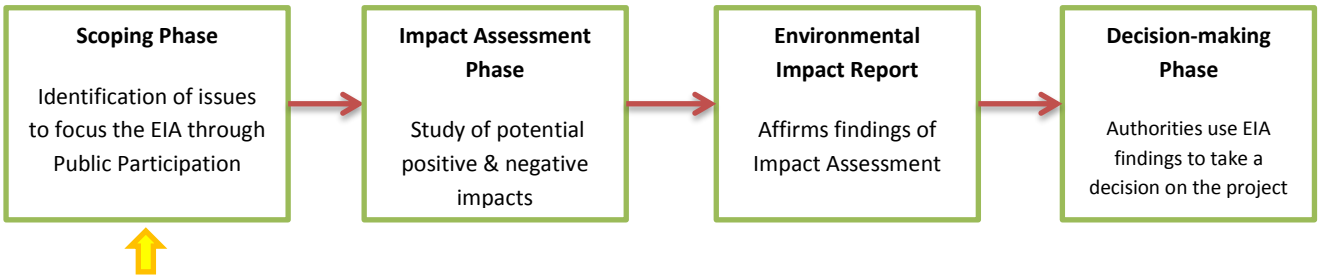
1. PURPOSE OF THIS DOCUMENT

Allied Rivers Farming (Pty) Ltd is undertaking an Environmental Impact Assessment (EIA) as required in terms of the National Environmental Management Act, Act 107 of 1998 and EIA Regulations 2010 Notice Nr. R 545 in order to obtain authorization to develop 380 ha of natural vegetation for Agricultural purposes (Crop circles) in the Koedoeskop area of Thabazimbi.

A project team, managed by Jonk Begin Environmental Services (Pty) Ltd, will conduct the required EIA in terms of the National Environmental Management Act (Act 107, 1998) and Regulations of 2010.

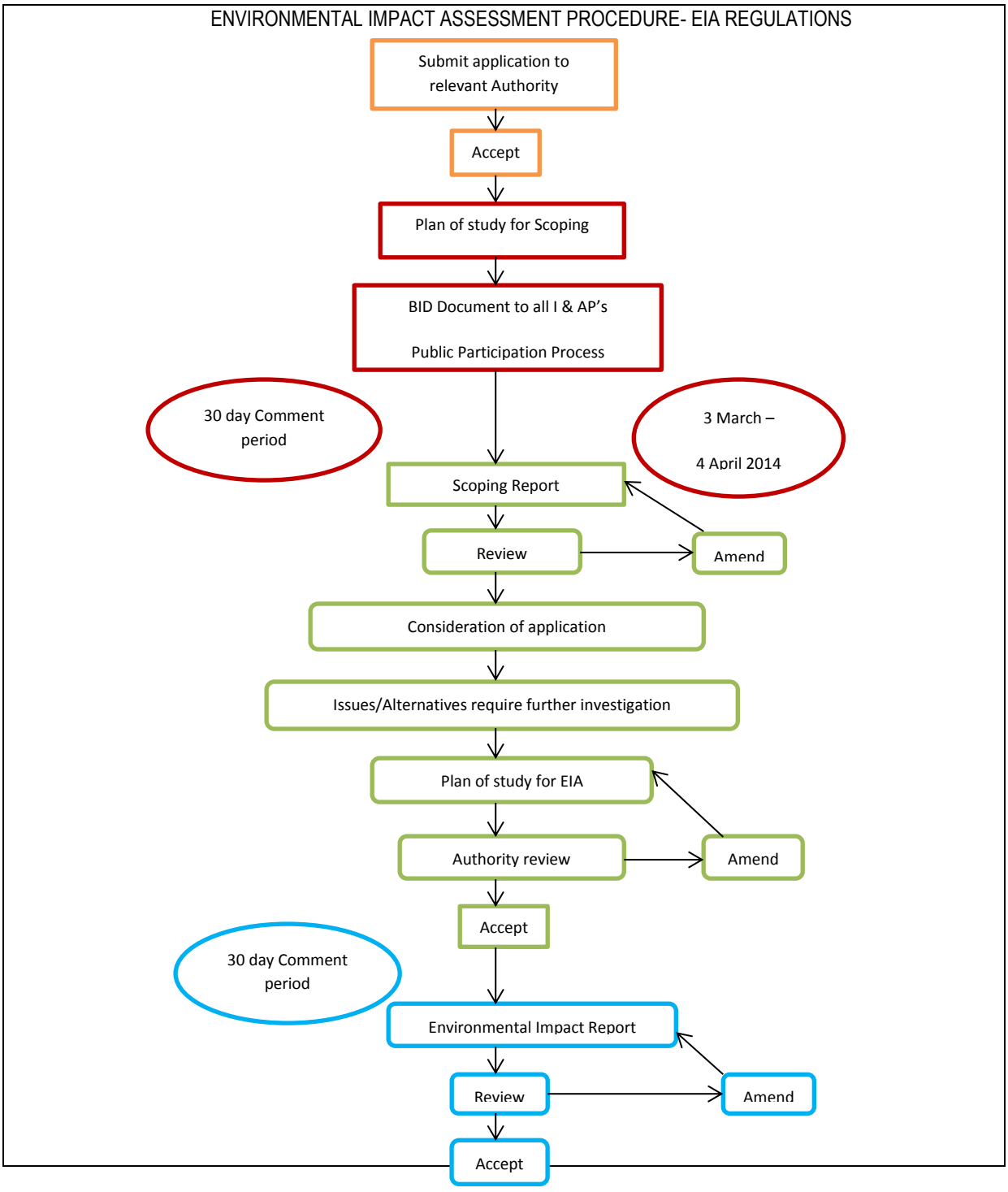
The first phase of the EIA process is the Scoping Phase. This is the phase where public issues and concerns are identified in order that technical specialists can evaluate these during the next phase (Impact Assessment Phase) of the EIA. It also serves as a means to communicate the proposed project to the community and all Interested and Affected Parties (I & AP's).

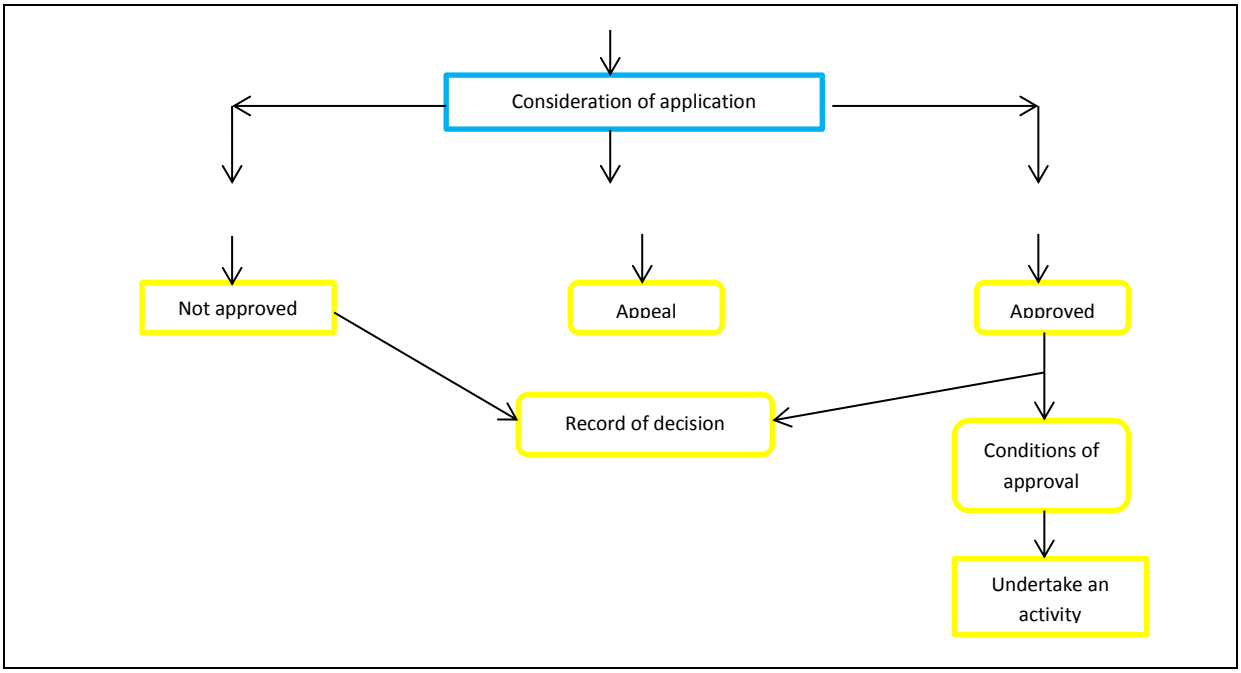
The EIA process comprises various phases as indicated in the figure below:



The EIA for the Proposed development of 4 crop circles (380 ha in total) in the Koedoeskop area, is currently in the Scoping & Time Line Phase.

PROCESS TO BE FOLLOWED & TIME LINES




Consideration of application
Not approved
Appeal
Approved
Record of decision
Conditions of approval
Undertake an activity

CONTACT PERSONS

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II. EXECUTIVE SUMMARY

Allied Rivers Farming (Pty) Ltd is a major deliverer of grain to the regional economy and recently bought the neighboring Farm Kwikstaart 431 portion 2 in the Koedoeskop area within the Crocodile River-west Irrigation Valley. They want to develop 4 crop circles of 75 ha; 55 ha; 115 ha and 135 hectares in size respectively (revised sizes) (380 hectares in total, Fig.1, 2 & 3 Final Preferred Layout). The company is currently irrigating 1500 hectares, with the new development, it will enable them to practice crop rotation and resting periods and with each planting season 380 hectares will lay barren for resting and restoration of the soil, without decreasing the hectares they are planting. They have enough water rights and the Water Use Licenses are in place.

MAP LEGEND	
↑ N	**Proposed 4 crop circles**
	Propose crop circles on new Farm bought
	Allied River Farming and existing crop circles
IMAGE	2427 CD Northam
DATE	WGS84 Spheroid

Figure 1: Map with proposed crop circles on Farm Kwikstaart 431 KQ portion 2.

In the case of the 180◦ 75 ha crop circle, directly opposite it in the Allied Rivers Farming existing lands, is an exactly same 75 ha crop circle rotating 180◦. If the proposed development will be authorized, the 75 ha crop circle could rotate 360◦ and would then be 150 ha in size.

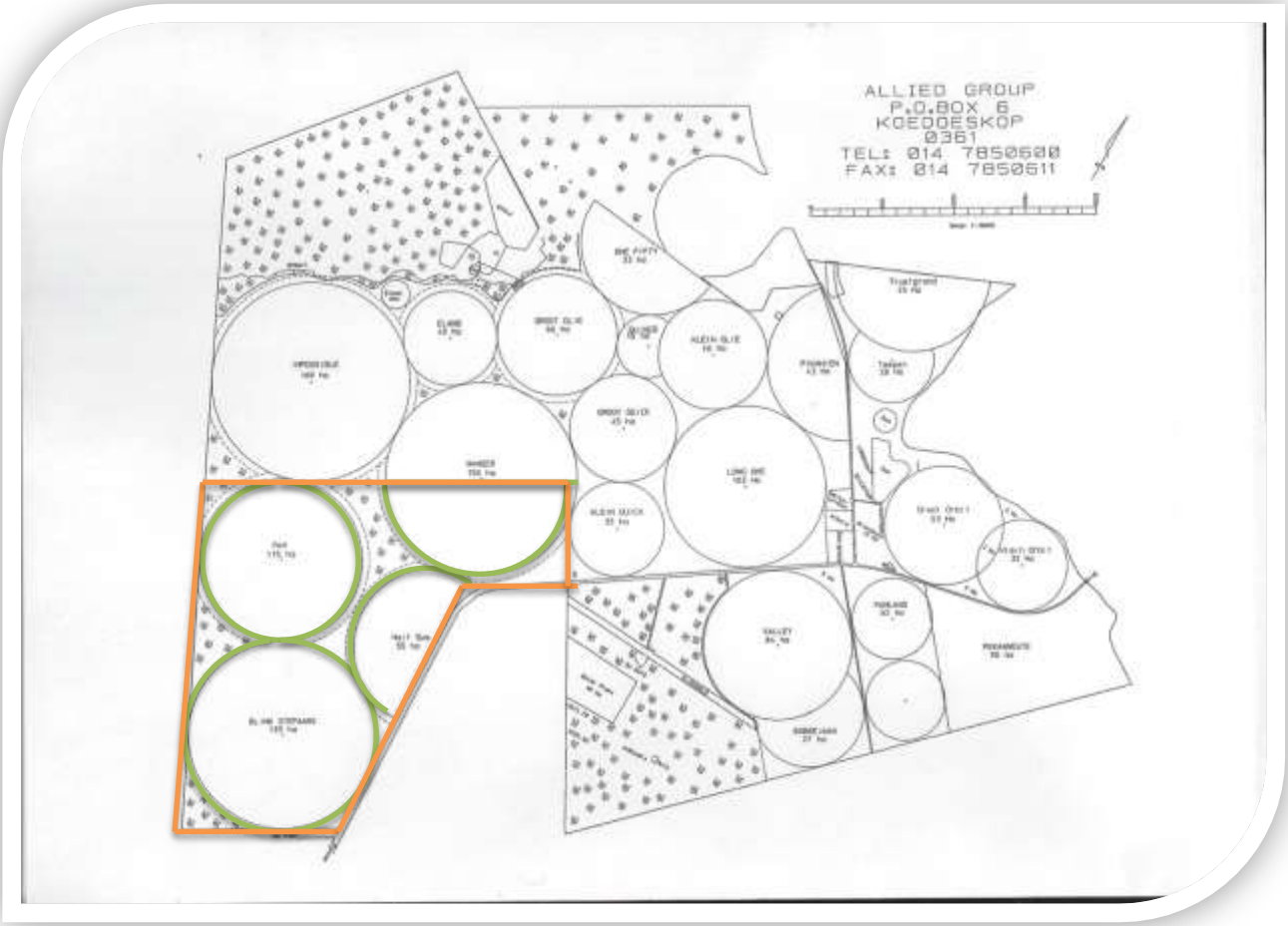


Figure 2: Allied Rivers Farming with all existing crop circles and the proposed (final preferred layout) development.

In terms of National Environmental Management Act, 1998 (Act 107 of 1998) as amended, the proposed development triggers the listed activity which requires authorization from the competent authority, namely the Limpopo Department of Economic Development, Environment & Tourism.

Number and Date of Relevant Notice:	Activity No:	Description of Listed activity:
Government Notice 545, 18 June 2010	16	The physical alteration of virgin soil to agriculture, or afforestation for the purposes of commercial tree, timber or wood production of 100 hectares or more.

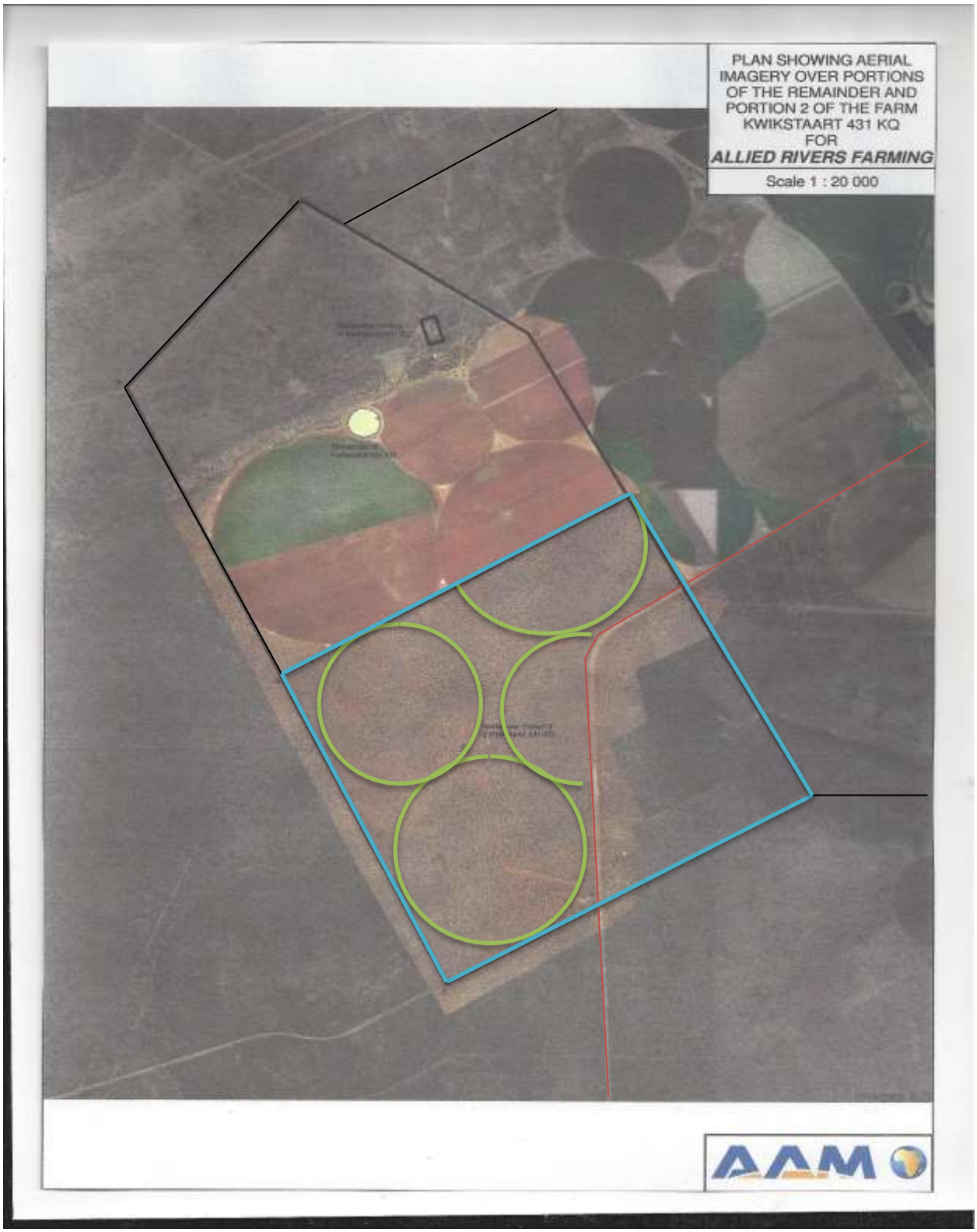


Figure 3: Allied Rivers Farming with existing pivots and proposed pivots in green.

The proposed development includes the following scope of work:

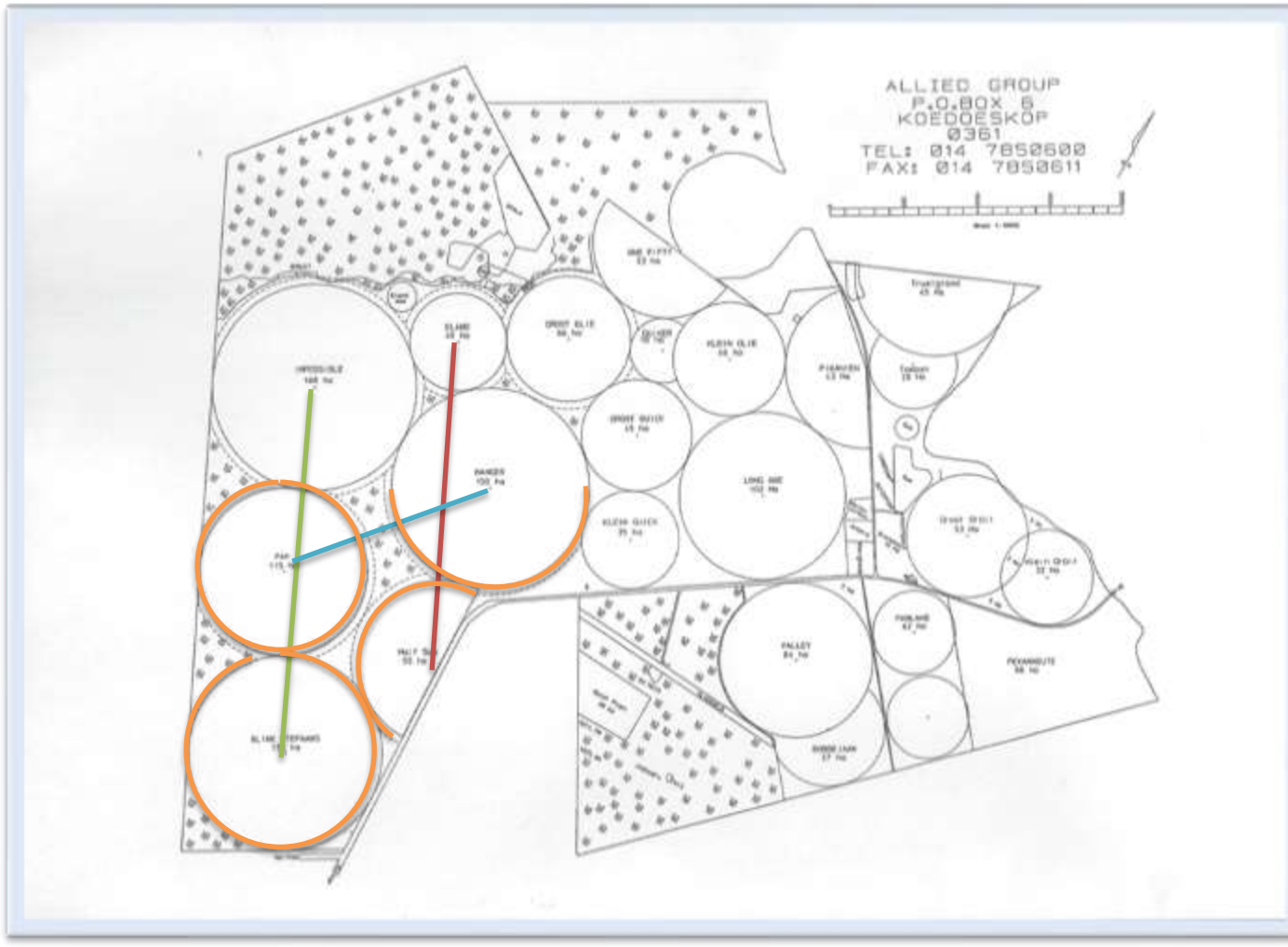
- No new motors or pumps will be built in the pump station as the existing pumps and motors of the existing crop circles on Allied Rivers Farming will be used.

- Pipelines to the new crop circles (Fig. 4).
  - The 75 ha crop circle will not have a pipeline as it will be connected to the opposite 180◦crop circle "Hanger" at the center and will then rotate 360◦.
  - The 55 ha crop circle rotating 180◦ will have a pipeline with diameter of 250mm, connected with existing crop circle "Eland".
  - Both the 115 ha and 135 ha crop circle will have a pipeline with 315 mm in diameter.
  - The 115 ha crop circle will be connected with existing crop circle "Hanger" pipeline.
  - The 135 ha crop circle will be connected with existing crop circle "Impossible" pipeline.

- **The management plan will be as such (Please refer to Figure 4): In a planting season, either "Impossible-existing pivot" will be planted and "Blink Stefaans-new pivot" will lay barren, then the next planting season it will change and "Blink Stefaans" crop circle will be planted with the season's crop and "Impossible" will have the change to have a resting period. It will be the same with "Hanger-existing pivot" and "Pam-new pivot"; as well as "Half Sus-new pivot" and "Eland-existing pivot". So will Crop Rotation and Resting Periods be implemented on the new crop circles and the existing crop circles of Allied Rivers Farming. No extra water will be used to irrigate the new development as CROP ROTATION will be implemented (Water use certificates in Annexure G). An application for Water Use License (WUL) will not be necessary in this particular case.**

- Waste Management:

  There will not be any waste generated during operational phase as the crop circles will have grain on them that will be harvested each season; however, waste generated from the construction phase will be the vegetation that is removed. All the usable wood will be stock piled for future use for household purposes as Allied Rivers Farming have over 50 families staying on the farm that will use the wood.



MAP LEGEND	↑ N
	Proposed crop circles
	Pipeline of 135 ha crop circle
	Pipeline of 55 ha crop circle
	Pipeline of 115 ha crop circle
IMAGE	Land Surveyor Map
DATE	WGS84 Spheroid

Figure 4: Pipelines from existing crop circles to proposed crop circles. Crop Rotation will be implemented.

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