

UNIVERSITEIT  
VAN DIE  
VRYSTAAT



UNIVERSITY  
OF THE  
FREE STATE

HIERMEE WORD VERKLAAR DAT NADAT AAN DIE  
STATUTE EN REGULASIES VAN DIE UNIVERSITEIT  
VOLDOEN IS, ONDER MEER DEUR DIE VOOR-  
LEGGING VAN 'N PROEFSKRIF GETITEL

IT IS HEREBY CERTIFIED THAT, IN ACCORDANCE  
WITH THE STATUTES AND REGULATIONS OF  
THE UNIVERSITY, AND PURSUANT TO THE  
SUBMISSION OF A THESIS ENTITLED

THE DEVELOPMENT OF AN ENVIRONMENTAL MANAGEMENT SYSTEM FOR  
THE SOUTH AFRICAN NATIONAL ROADS AGENCY LIMITED BASED ON THE  
ISO 14001 ENVIRONMENTAL MANAGEMENT SYSTEM STANDARD

DIE GRAAD THE DEGREE

## Philosophiae Doctor (Ph.D.)

in Omgewingsbestuur  
in Environmental Management

TOEGEKEN IS AAN  
HAS BEEN CONFERRED UPON

### JOSEPHINE BOTHMA

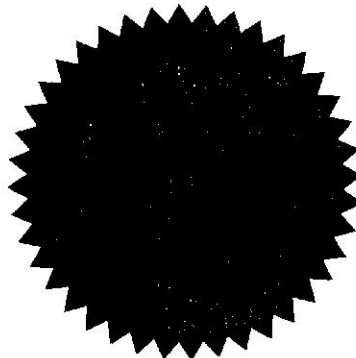
AS BEWYS DAARVAN PLAAS ONS ONS ONDER-  
SKEIE HANDTEKENINGE EN DIE SEËL VAN  
DIE UNIVERSITEIT HIERONDER.

AS WITNESS OUR RESPECTIVE SIGNATURES  
AND THE SEAL OF THE UNIVERSITY  
BELOW.

VISEKANSIELIER/VICE-CHANCELLOR

DEKAAN/DEAN

REGISTRATEUR/REGISTRAR



BLOEMFONTEIN  
2002-09-13  
1995537113