UNIVERSITY OF JOHANNESBURG

PROGRAM	:	NATIONAL DIPLOMA *TOWN AND REGIONAL PLANNING*
SUBJECT	:	**PLANNING DESIGN II**
CODE	:	**DPS 211**
DATE	:	SUPPLEMENTARY EXAMINATION (SSA) 12 JANUARY 2017
DURATION	:	(X-PAPER) 08:00 – 11:00
WEIGHT	:	50:50
TOTAL MARKS	:	100

EXAMINER	:	MR Z MBINZA
MODERATOR	:	MR E MAKONI
NUMBER OF PAGES	:	3 (THREE) PAGES AND 1 (ONE) ANNEXURE.

2465

INSTRUCTIONS	:	The use of color pencils to enhance concept drawings.
REQUIRED	:	A3 drawing and tracing paper; calculators; scale rulers; colour pencils; koki pens; drawings attached to Answer Sheets

INSTRUCTIONS TO CANDIDATES

- PLEASE ANSWER ALL QUESTIONS
- YOU MUST SHOW COMPETENCY IN THEORY, CONCEPT AWARENESS, LOCATION, DESIGN LAYOUT AND SCALE.
- PREPARE YOUR A3 SHEETS APPROPRIATELY WITH YOUR NAME ON THE FIRST PAGE.
- READ THE PAPER AS A WHOLE BEFORE YOU START

QUESTION 1: THEORY

1.1 Discuss how traditional zoning practices stands in the way of attaining the ethos of New Urbanism. (15)

1.2 Using Jane Jacob's idea of *eyes on the street,* give effect to the principles of territoriality and natural surveillance as part of CPTED. (15)

1.3 Normatively speaking, planners and designers are encouraged to *maintain the harmony of the whole.* Yet, cities in the Global South are sites of massive levels of informality (settlement). Reconcile this normative stance to reality using Alexandra in Johannesburg as your case. (20)

[50]

QUESTION 2: SUBDIVISIONAL LAYOUT PLAN

GIVEN: SITE ON THE A3 SHEET PROVIDED.

2.1 Calculate the total area of the site. (5)

2.2 Using a base density of 50 dwelling units per hectare, calculate the erf size as well as the number of residential erven in the ensuing settlement. (5)

2.3 Complete a Residential Subdivision Layout with supporting non-residential uses as follows:

- Freehand to scale 1: 2 000
- In accordance with the Hierarchy of Roads and correct orientation
- Show individual erven.
- Also provide a group housing site of approximately 12 500 m²

(30)

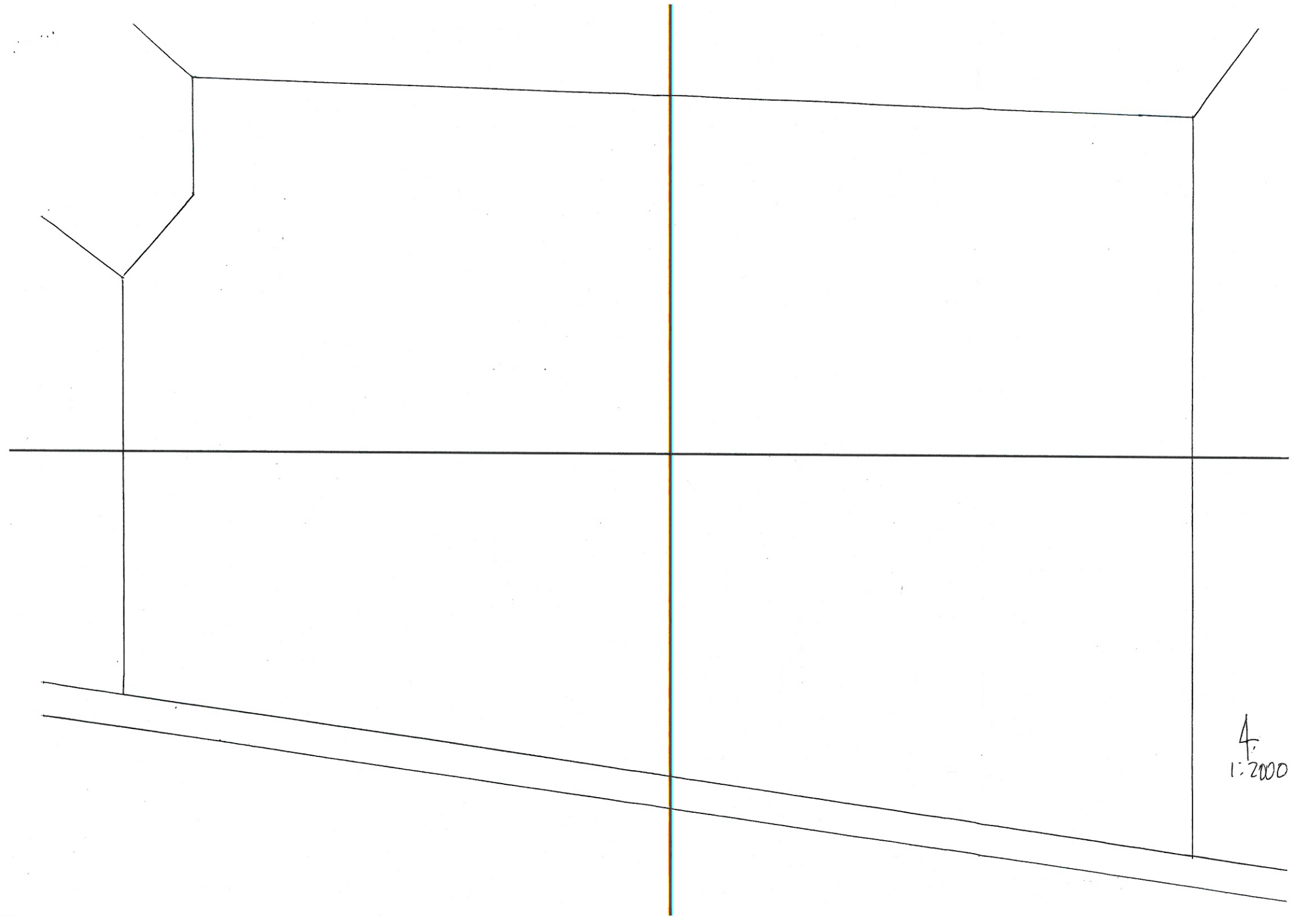
[40]

QUESTION 3

3.1 Prepare a group housing development proposal based on Preliminary and Actual calculations assuming there are 24 final duplex units provided. The road reserve allocation is 15% of the total group housing site. (10)

[10]

TOTAL [100]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