



AIN SHAMS UNIVERSITY
FACULTY OF ENGINEERING
ARCHITECTURE DEPARTMENT

USING PUBLICLY-OWNED LANDS AS ASSETS FOR URBAN INFRASTRUCTURE FINANCING

A Thesis Submitted in Partial Fulfillment of the Requirements for the
Degree of Doctor of Philosophy in Architectural Engineering

By

Eng. Mostafa Awad El-Nagdy
M.Sc. in Architectural Engineering, 2016

Supervision of

Prof. Dr. Hossam El-Din El-borombaly
Assoc. Prof. Dr. Laila Khodeir

Cairo - 2020



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Statement

This thesis is submitted as a partial fulfillment of Doctor of Philosophy in Architectural Engineering, Faculty of Engineering, Ain shams University.

The author carried out the work included in this thesis, and no part of it has been submitted for a degree or a qualification at any other scientific entity.

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List of Acronyms

Central Business District	CBD
Comparative Qualitative Analysis	CQA
Dynamic Stochastic General Equilibrium	DSGE
Gross Domestic Product	GDP
Industrial Development Authority	IDA
Land Value Capture	LVC
Land-Based Financing	LBF
Mass Transit Railway Corporation	MTRC
Multidimensional Poverty Index	MPI
New Urban Communities Authority	NUCA
Public-Private Partnership	PPP
Publicly-Owned Lands	POL
Risks Breakdown Structure	RBS
Rapid Bus Transit	RBT
Rail plus Property	R+P
The Root Causes Analysis	RCA
State Owned Enterprises	SOE
Secondary Objective	SO
Strengths, Weakness, Opportunities, and Threats	SWOT
Transit Oriented Development	TOD