18 DON 29/00

# THE DYNAMIC PLACE; AN EXAMINATION OF CONFLICT BETWEEN LIVING AND ACCESS.

3 3 7 1 A

A Dissertation Submitted to the University of Moratuwa As a Partial Fulfillment of the Requirements for the Degree of

Master of Science in Architecture

පුස්තකාලය විමාරවුව විශ්ව විදහලය. **ශු ලංකුව** මොරවුව



184

71769 72 "99"

M.Y.D.ALWIS
Department of Architecture
University of Moratuwa
July 1999

#### **ABSTRACT**

The connections between what would be built on a street and socio-economic criteria for a fine street are not always easy to achieve. If we couldn't walk along street or go from one side to the other, then their aren't livable place.

Accessibility, interaction, publicness, comfort, safety connectedness and imageability Are the qualities which are subject to make street as livable place-Dynamic place.

Most of early streets, and country streets are could be called as' livable streets. But urban Streets? Rapid developments of technology and high concentration of people influence Badly for the livability of streets. It create inhuman environment.

Bodies that are involving to create now street pay more attention to one side of the situation.

But qualities of Livable street is necessary - its' need.





#### **ACKNOWLEDGEMENT**

Sincere thanks extended to...

Archt. Ranjith Alahakoon and Dr. L. S. R. Perera Year Masters, For inspirations, guidance and encouragement given on the study.

Dr. R. Emmanual Senior lecturer for his valuable comments throughout the study.

Archt. Ravin Gunarathna and Archt. Channa Horombuwa, for discussions made at varioous stages.

Indika, for Spending his valuable time uncomplaining by helping with the photographic work.

Renu, Priyanthi, Nimmi and Naomi you are great friends, for all assistance offered for me.

My dear mother and two brothers especially for Loku mallf for their never ending support and enthusiasm shown through my dissertation. Words fail me showing my appreciation.



### List of Illustrations

Figure	description	Page no.
1.1 1.2 1.3 1.4	Living A mobile home is inhabitant by goats, Culture force to level of livability	
1.5	the Himbas of purros famous richinocetos – hunters of Namibia – build huts of earth moulded on tree branches	
1.6	psychological comfort through sensible imagination	
2.1 2.2	street – an extended home openings enhance it West end of London it show how, in the former broad casting, religion, torism medicine, residences and professional institute, the come together and intricate ways to create a rich and memorable townscape.	
2.3	_	
2.4	path but also a place	
2.5	street in Easton way	
2.6	once canals serves as paths	
2.7	where street net work compiled to a gridlorn plan	
	form in santa Monica philadelpha, use	
2.8	Garden city	
2.9	An Arabian street	
2.10	The early settlement, in comfortable human scale	
2.11	Recent settlement with out a identity no variety vehicles invaded the city	
2.12	Predominantly Newly constructed highway human inhabitants ignored.	
2.13	traffic free street	
2.14	"Street is the space for action	
2.15	" street as cultural pageant" Kandy Esala Perahara	
2.16	how close to heart	
2.17	Street Before that impacts	
2.18	Traffic intrusion impacts	
Chapter	Three .	;
3.1	static and dynamic space	
3.2	configuration	
3.3	texture danger of traffic and crime	
3.4	Sense of safe	
3.5	Always there is eyes open to street	
3.6	proportion and scale	
3.7	_	
3.8	•	
3.9	Proportion and scale	
3.10	Length of the street	
3.11	Stepped path make a traffic free	
3.12	Shady comfortable memorable path with different levels	
3.13	Level change	
3.14	Narrowing	
J. 14	Harrowing	

3.15	Funneling
3.16	Widening
3.17	Constriction
3.18	The chasm
3.19	Colonnade along via castigation
3.20	Wings
3.21	Traffic free main street, Gal in 1965
·-·	By contrast , traditional environments emphasize
	the spaces between sidgs and usually produce and
	attractive organic whole with a variety of useful
2 22	pedestrian areas on a comfortable human seal
3.22	Road congested with traffic Gall Road Wellawatta
3.23	Central promenade Rambles
	There is a full of life where there are trees in any street
3.24	Creative displaying and advertising boards gain the
	variety to the streets .
3.25	Visually comfortable traditional street façade strdda Nova
3.26	Glass But no transparency Baule Building Colerado Boulevard
3.27	Windows that catch light and give a sense of habitation
3.28	Windows and doors that give a sense of transparency sketch
	Via cola di Rienzo , Rome
3.30	How nice if this is open
4.1	Map of Colombo
4.2	Arial view of Pattha
4.3	Map of Pettah
4.4	Beginning of sea street
4.5	<ul> <li>University of Moratuwa, Sri Lanka.</li> </ul>
4.6	Detailed map of sea street area in Thoses & Dissertations
4.7	Towards sea street
4.8	Graph
4.9	Sea street in early morning
4.10	In daytime purely commercial street
4.11	The Hindu Temple in day time
4.12	The Hindu Temple in early morning
4.13	Façade
4.14	Small paths connecting with sea Beach road
4.15	Typical section across the street
4.16	Enclosure
4.17	Separation of activities
4.18	-
4.19	_
4.20	Section through street
4.21	-
4.22	•
4.23	Sketch townscape d 206
4.24	1
4.25	Livable street required physical characteristics that
•	help the eyes doe what they want to do must do, move
4.26	In day time
4.27	
4.28	Width of the street
4.29	Graph
4.30	Map of Pettah showing a main street
4.31	Beginning of main street
4.32	Towards main street
	· - · · - · · · · · · · · · · · · · · ·

pavement hawkers 4.34 Distruted entrance 4.35 Side walk is fully occupied by the pavement hawkers pedestrians fal into street 4.36 Vendors with carts on side walk . road making conflict with fast moving vehicles and pedestrians 4.37 Trishaws scooter cars, vans, Lorries, pavement hawkers and pedestrians all share right of way 4.38 Main street in early morning 4.39 Arched crowded with hawkers and passers by 4.40 Arched as extended shop in day time 4.41 "As a home" in holidays and night 4.42 4.43 Plan 4.44 Section 4.45 Modified Bank streets source, new tanslscape 4.46 -4.47 -4.48 Offsetting of junction also increase the sense of endosure 4.49 -4.50 New buildings destroy the visual appropriatness 4.51 Map of Maradana panchikawatta traingle 4.52 The converging point of mobideen moasjid Road and Sri Sangaraja Mawatha 4.53 Specific study area of Mohideen masjid road 4.54 Arial view of specific study area of Mohideen Masjid Mw. 4.55 Alley as path ,drainer as well as extended home 4.56 -4.57 Plan and section through panchikawatta road 4.58 Street as safe sanctuary for children 4.59 Street as place for garbage collection 4.60 Place for drying cloths while as a play space for children 4.61 Always there are focing eyes to street 4.62 Graph 4.63 Multiple use of sharing space between public and private space 4.64 Section through street 4.65 Extended verandah to the street 4.66 Extended back yard to the street. 4.67 4.68 Barid gosling sequential study for the manchester city center England 4.69 The 'breathing space' 4.70 Ahmedabad, India 4.71 "Rresidents able to begin seeing it as' place rather than a channel" 4.72 Oreate place by green and pleasant environment 4.73 Lamp post is giving strength to boutique 4.74 Enclosure 4.75 Width of the street 4.76 Map Showing specific Study area of Maradana Road 4.77 View of Maradana Rd 4.78 Pedestrian crossing, with zig-zag marking to fore warn drivers a central refuge and crossing

4.33 Using abundant timber structures excepted by

bedcons for visibility.

- 4.79 View of over head bridge
- 4.80 Building fabric is Monotonous
  4.81 Mobility consumption productivity and hygiene
  the at the basis of the meted morphosis of our society
- 4.82 Graph

- 4.83 Clear separation
  4.84 Crossing is dangerous
  4.85 Its' no more static place
  4.86 No 'enclosure'
- 4.87 Over head bridge make a livable environment



# **CONTENTS**

Abstract	ı
Acknowledgement	ii
List of Illustration	iii
Introduction	٧
CHAPTER ONE	
Livable Place	
1.1 Living 1.2 Livability 1.3 Parameters of Livability 1.3.1 Time 1.3.1 Space and Location 1.3.2 Culture and Society 1.4 Components of Livability	1 2 3 3 4 4 7
<ul><li>1.4.1 Quantitative Attributes</li><li>1.4.2 Qualitative Attributes</li></ul>	7 8
CHAPTER TWO The Street.  University of Moratuwa, Sri Lanka. Electronic Theses & Dissertations www.lib.mrt.ac.lk	
2.1 The Street, An Introduction 2.2 Review from History about Street 2.3 Street as a Living Place 2.4 Ecology of The Street	10 14 20 22
CHAPTER THREE The Dynamic Place	i
3.1 Place and Path 3.1.1 Static and Dynamic Place 3.2 Livable Street 3.2.1 Quantitative Attributes of a Street	26 26 28 28
Imageability Connectedness 3.3 Space and it's Qualitative Dimension 3.3.1 Qualitative Attributes of a Street	28 29 30 34
Physical Comfort Visual Appreciation	37 49

CHAPTER FOUR
Livability in Streets

4.1 Colombo - Historical Evaluation of the city	54
4.2 Life in the City	58
Pettah	58
Maradana	60
4.3 Basis for Selection	61
EXAMPLES	
4.4.1 Commercial cum Residential Street with Low Traffic Volume	63
4.4.2 Analysis	69
4.5.1 Purely Commercial Street with Low Traffic Volume	78
4.5.2 Analysis	85
4.6.1 Purely Residential Street with Low Traffic Volume	91
4.6.2 Analysis	105
4.7.1 Purely Residential Street with heavy Traffic Volume	113
4.7.2 Analysis	118

# conclusion

