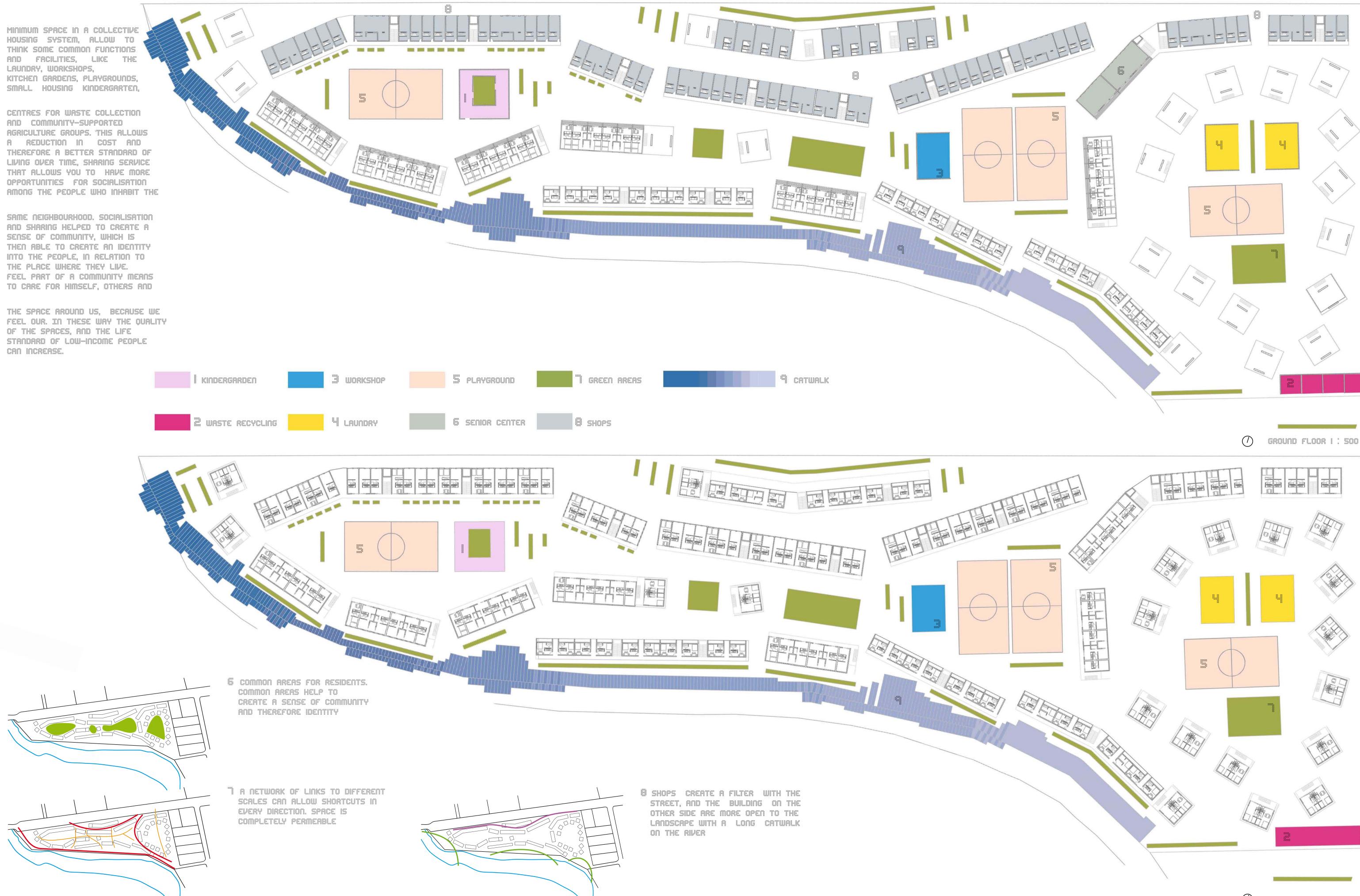
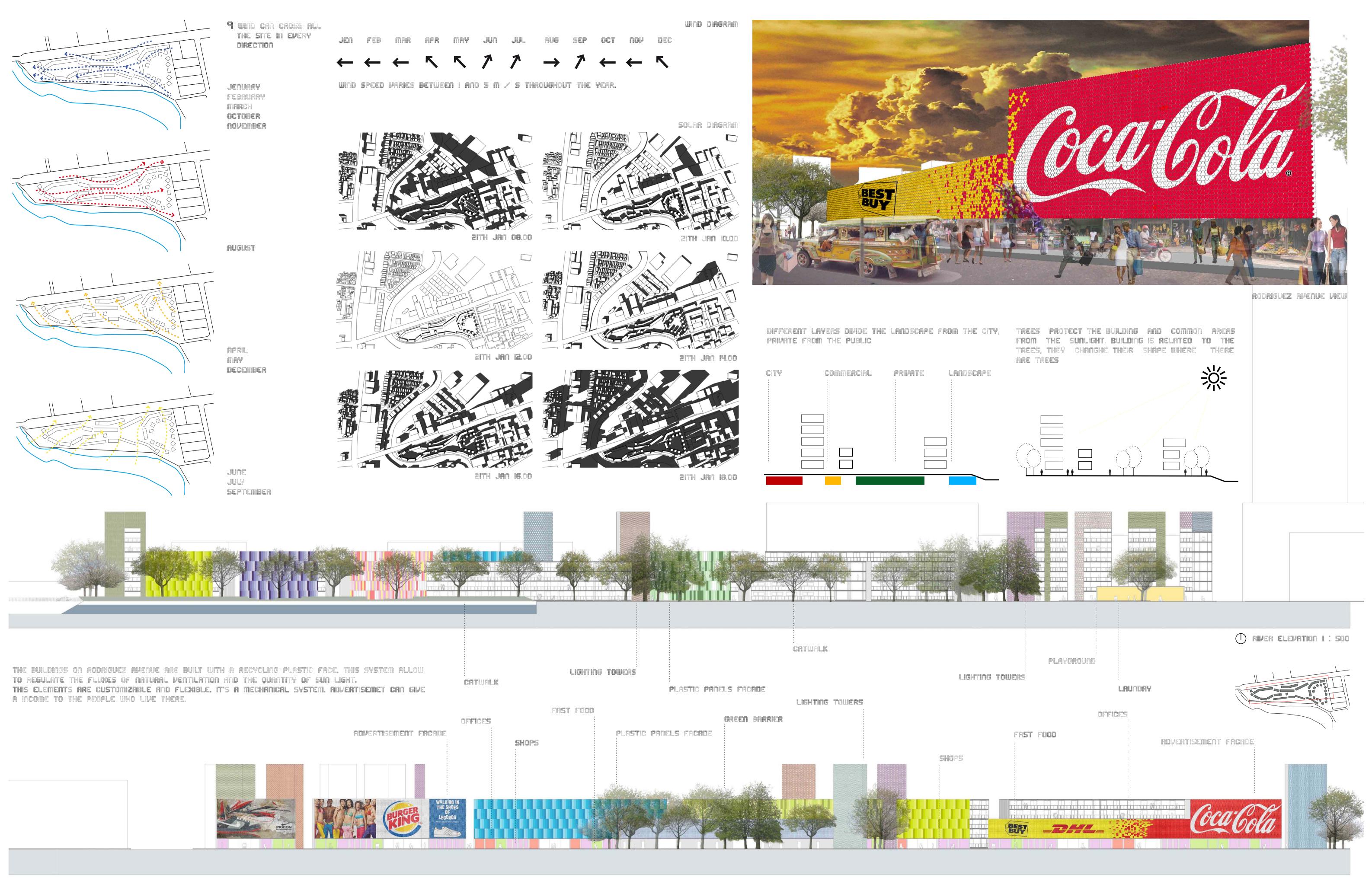
Andrea Ghisoni
Architectural in Extreme Environments, Urban Shelter
Quezon City, Metro Manila, Philippines

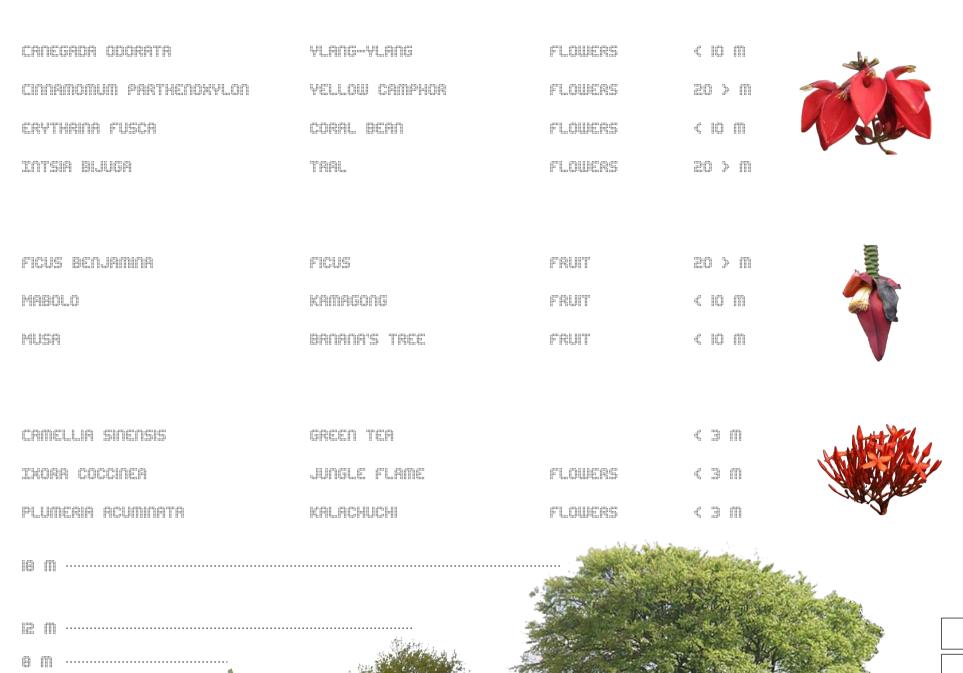






## 

## GREEN ELEMENTS



TREES FIRE CONDITIONERS.

IN ONE YEAR THE AVERAGE TREE INHALES

26 POUNDS OF CARBON DICKIDE, THE AMOUNT

EMITTED BY A CAR ON AN 11,000 MILE TAIP.

THIS SAME TREE WILL IN TURN EXHALE

ENOUGH OXYGEN TO KEEP A FAMILY OF

Y BREATHING FOR A YEAR.

TREES ARE THE GREATEST COLLECTORS OF THE SUNS ENERGY. ALL ENERGY COMES FROM THE SUN AND OUR TREES COLLECT AND STORE MORE OF IT THAN ANYTHING ELSE IN THE WORLD. THE BENEFITS OF TREES CAN BE DIVIDED INTO TWO GENERAL ARCAS. DIRECT BENEFITS, SUCH AS COOL FROM SHADE OR INCREASED PROPERTY VALUE AND MORECT BENEFITS IMPACT YOU, THE TREE OWNER AND THE COMMUNITY IN ACAL, BUT LESS TANGIBLE WAYS. IN FACT, INDIRECT BENEFITS.

THESE BENEFITS INCLUDE FILTRATION AND ABSORPTION OF AIR POLLUTANTS, REDUCED STORM WATE RUN OFF,



STORING OF THE GREENHOUSE GAS CARBON DIOMIDE AND BENEFICIAL IMPACT ON THE GENERAL QUALITY OF LIFE. PERHAPS THE GREATEST CONTRIBUTION OUR TREES MAKE IN CITIES BRIGHTEN UP AT THE SITE OF A TREE, THE SCREWINEST SHELINGS CHALLENGING THE CONCRETE. SHENTLY IN OUR MINDS THEY RISE AS SYMBOLS OF STREILITY, DIGNITY, ADVENTURE, COMFORT AND KNOWLEDGE.



THE RIVER SIDE ELEVATION 1: 100

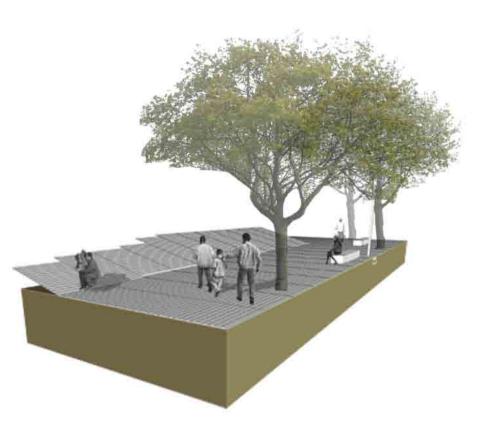
PLAYGADUND DESIGN 

## CATWALK IS MADE BY RE-CYCLING PLASTIC MATERIAL,

IT COULD BE COLOURED AND EASLY REPAIRED. A SIMPLE, AFFORDABLE AND ENVIRONMENT-FRIENDLY PLASTIC RECYCLING TECNOLOGYWHICH CONVERTS WASTE PLASTICS, ESPECIALLY FORMED POLYSTYRENE, POLYETYLENE AND POLYPROPYLENE PLASTIC BAGS INTO USEFUL PRODUCTS.

BRICKS TESTING OF DOTS\_ITDI PLASTIC DEASIFIER 

WITH THE DEPT. OF SCIENCE AND TECHNOLOGY)



PLACE FOR WALKING, RELAXING AND WATCHING

FILIPINOS AS USERS OF OPEN SPACE

- . FILIPINOS LOVE TO INTERACT, THEY ARE VERY SOCIALBLE.
- . THEY PRE THEY PRE FOID OF PLAYING GAMES.
- . CHILDREN WANT TO ROAM AROUND AND PLAY.
- . FILIPINGS WANT TO STAY UNDER THE SHADE
- WHEN IT COMES TO SPACE, FILIPINGS LOVE TO FEEL THEM.
- . FILIPIOOS LOVE COLORS.

PLAYGROUND ARE FLEXIBLE SPACES. IT CAN BE USE IN DIFFERAT WAYAAD IT'S FREE FROM OBSTACLES. IT'S A CHEAPER SOLUTION TO PUT PEOPLE TOGHETER









PLACE FOR RUNNING, SKATEING AND BIKEING



STAUCTURES 



STRUCTURE OF GALL/FINZED STEEL, PERCORPICED CONTINUE





DISTRIBUTION SPACES OF LIGHT STEEL



PLACE FOR BASKETBALL, RELAXING AND WALKING

STRUCTURES



RECYCLED 



LOCKING FOR 



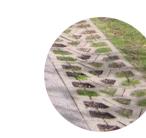
THE TOP OF THE TOWERS WORK LIKE 



PLACE FOR MEETING, CONFERENCES AND CONCERTES



TREES FROTEST FROM SUMLIGHT PLASTICPIXELS AND COLOR THE



CURBS PERMERBLE FOR WHIER 





HOUSING DIAGRAMS



THE CONCEPT OF HAPPINESS

SECTION 1:20

I ALUMINUM SHEETING WITH 5° GRADIENT, FOLDED FIVE TIMES FIXING ELEMENT FOR STEEL SHEETING TIMBER PIECE ON LAMINATED PLYWOOD PANEL 19 MM

2 VEGETATION 80 MM SEPARETION LAYER THERMAL INSULATION 100 MM BITUMINOUS SHEETING, DOUBLE LAYER REINFORCED CONCRETE SLAB WITH GRADIENT

- 3 JUNT SEALHOT TAPE
- 4 STAINLESS-STEEL HANDAAL
- S GALVANIZED FLAT STEEL POST SO X IZ MM
- 6 RE-CYCLING PLASTIC PIXELS 400 MM HIGH PLACED ON A JOINTED TUBULAR BAR
- TO SUPPORTED IN GALVANIZED <mark>ST</mark>EEL, BOLTED TO SUPPORT THE HANDRAIL AND FACADE
- 8 STEE<mark>L C</mark>ELLING TO CONTAIN PLANTS
- 9 INSULATED GLAZING IN STEEL CASEMENT
- O PRECAST REINFORCED CONCRETE
  ELEMENT 300 MM
  THERMALLY SEPARETED STEEL
  REINFORCEMENT CONNECTION
- II PREFABRICATED CONCRETE FLOORING 20 MM CONCRETE SCREED 60 MM SEPARETION LAYER SOUND ISOLATION 30 MM
- IZ ARTIFICIAL (CAST) STONE 350 X 350 X 40 MM, IN GRAVEL BED
- I GALVANIZED STEEL GUTTER

