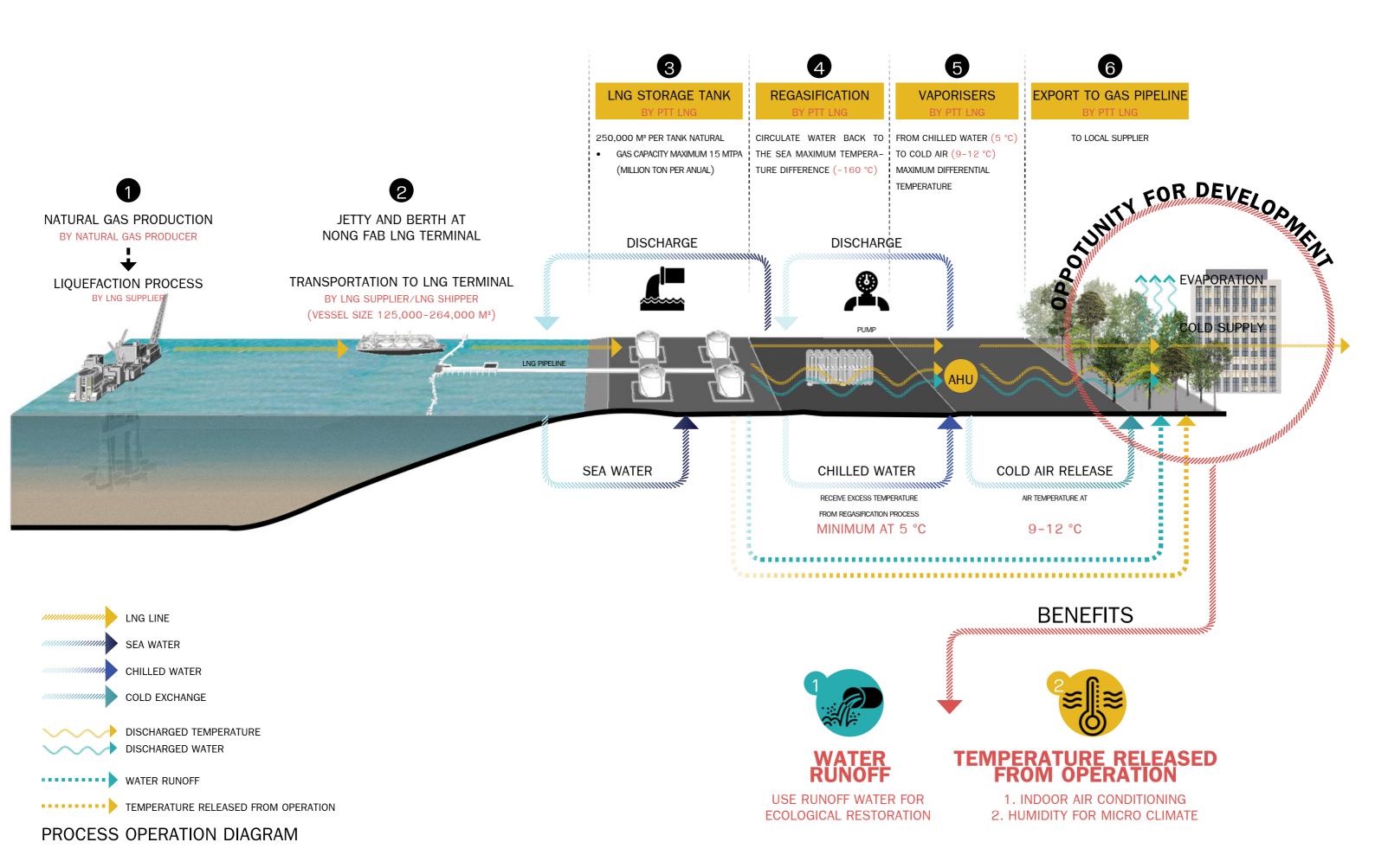


LNG RECEIVING TERMINAL AREA

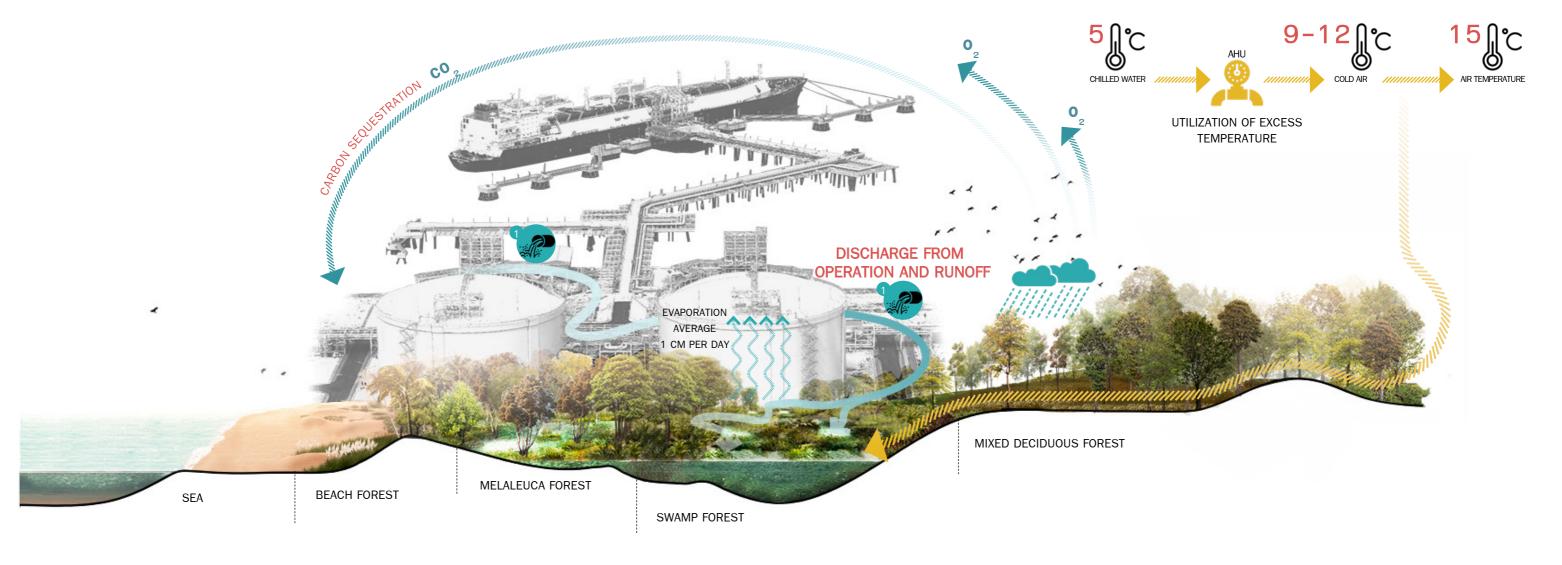






INDOOR AIR CONDITIONING
HUMIDITY FOR MICRO CLIMATE





NONG FAB LNG TERMINAL AREA

THE HARMONIZED JUXTAPOSITION BETWEEN INDUSTRY AND NATURE

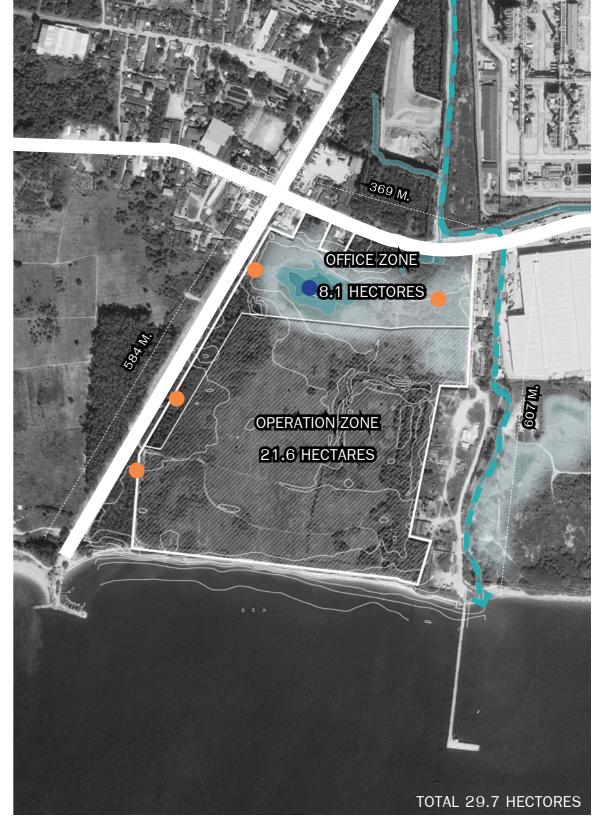
SITE CHARACTER AND ANALYSIS

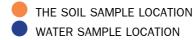




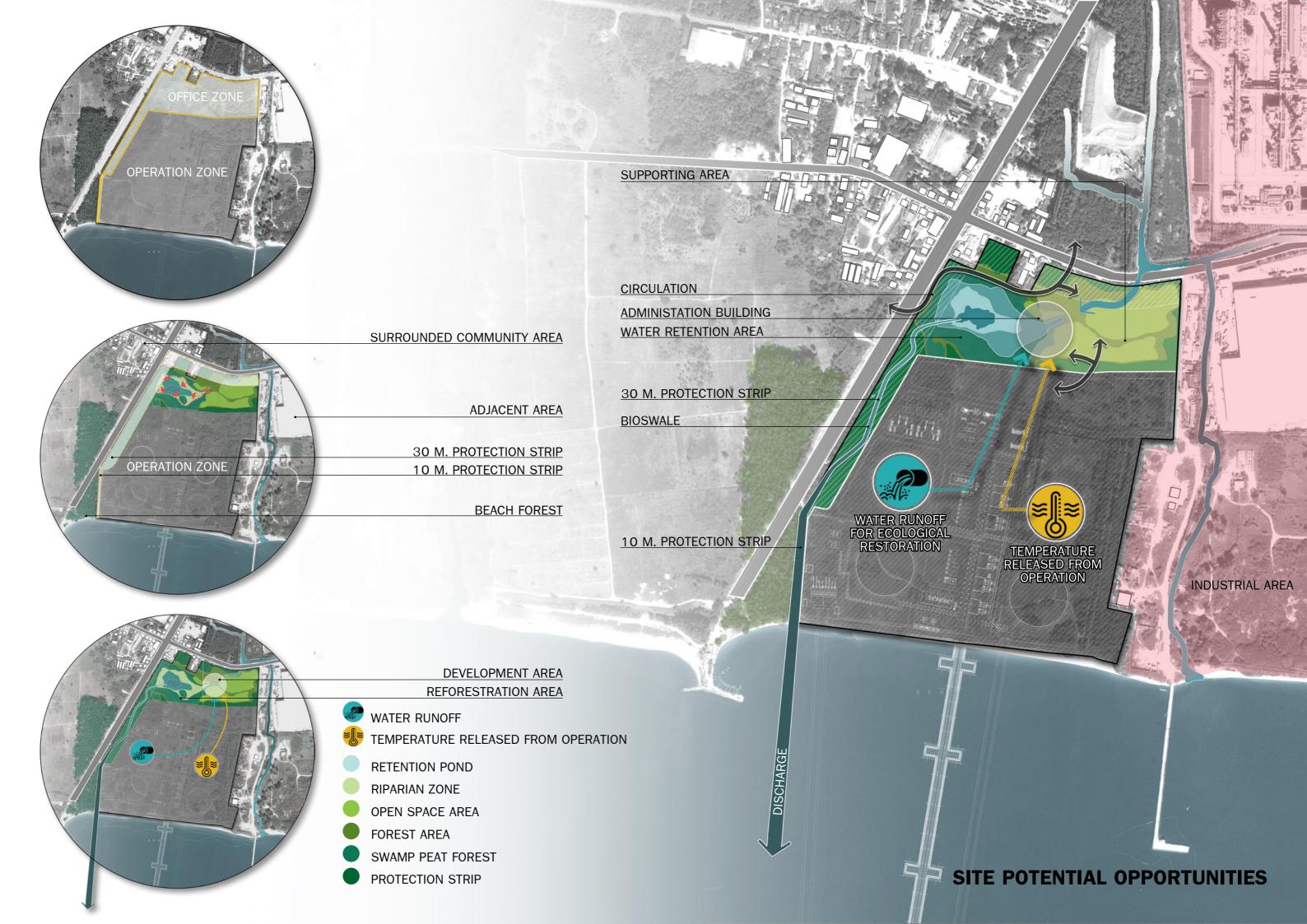


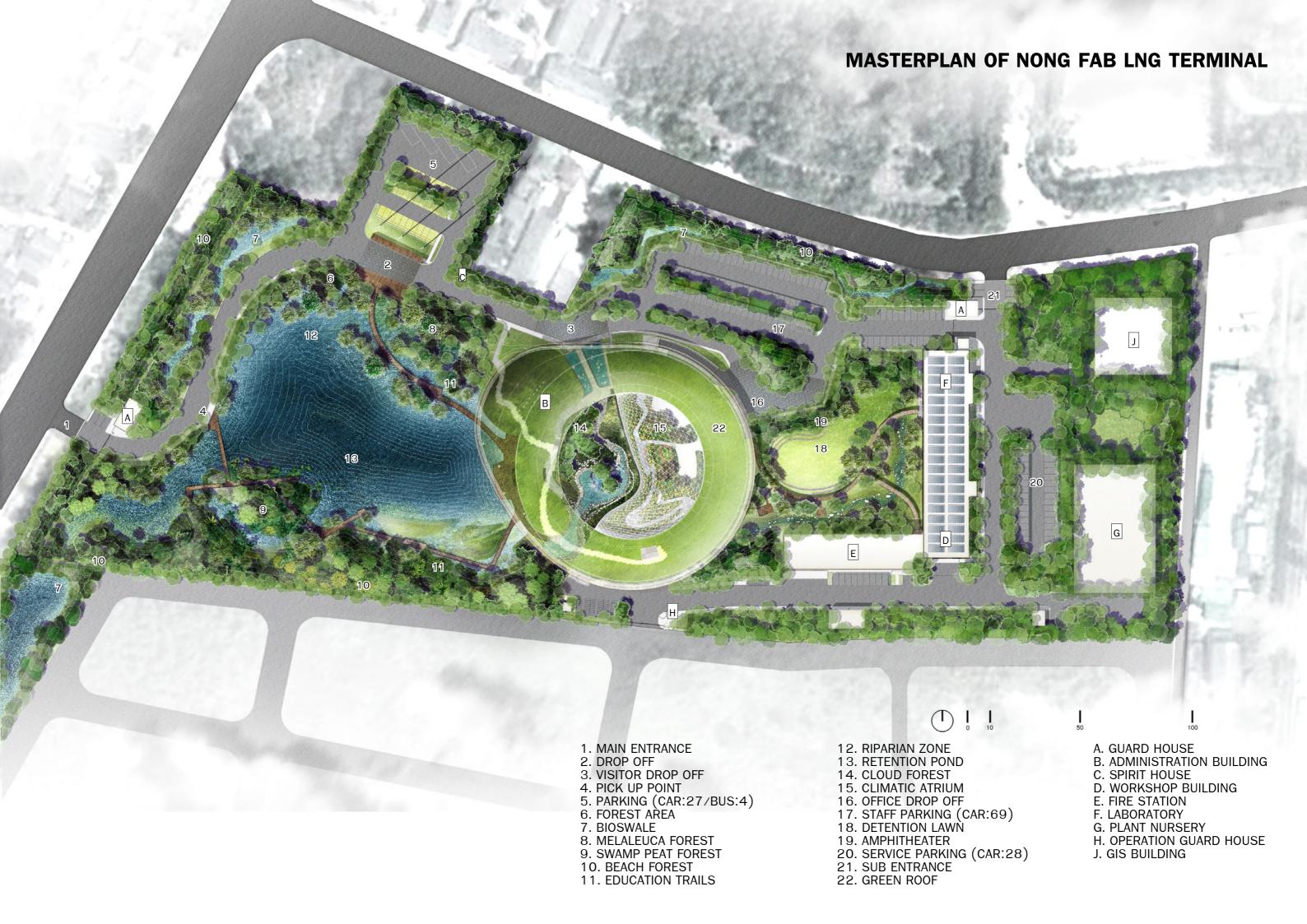
YEAR 1975 YEAR 1990 YEAR 2002



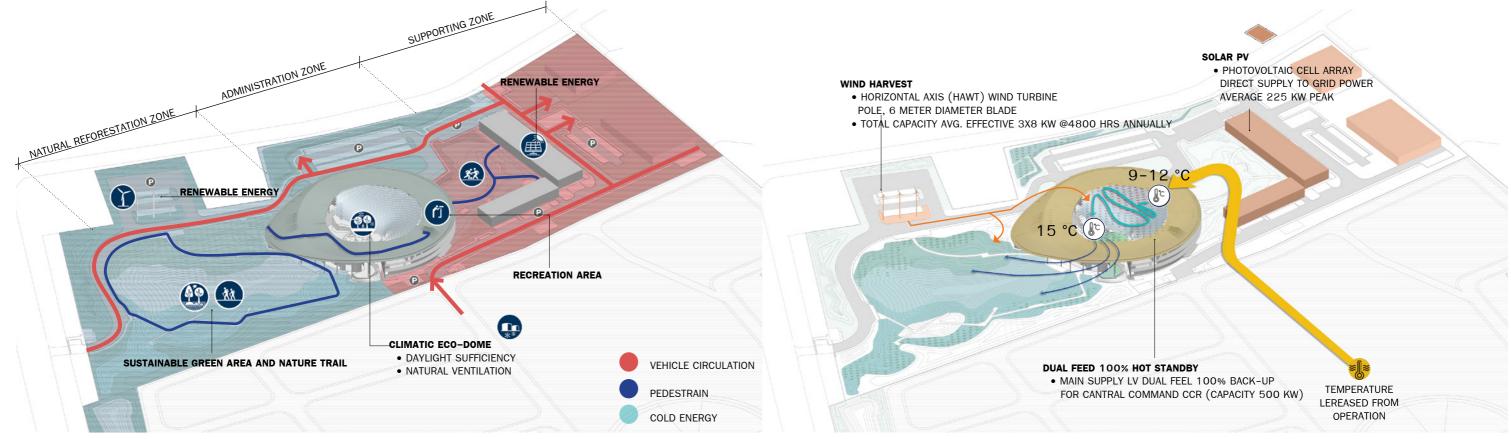


YEAR 2017



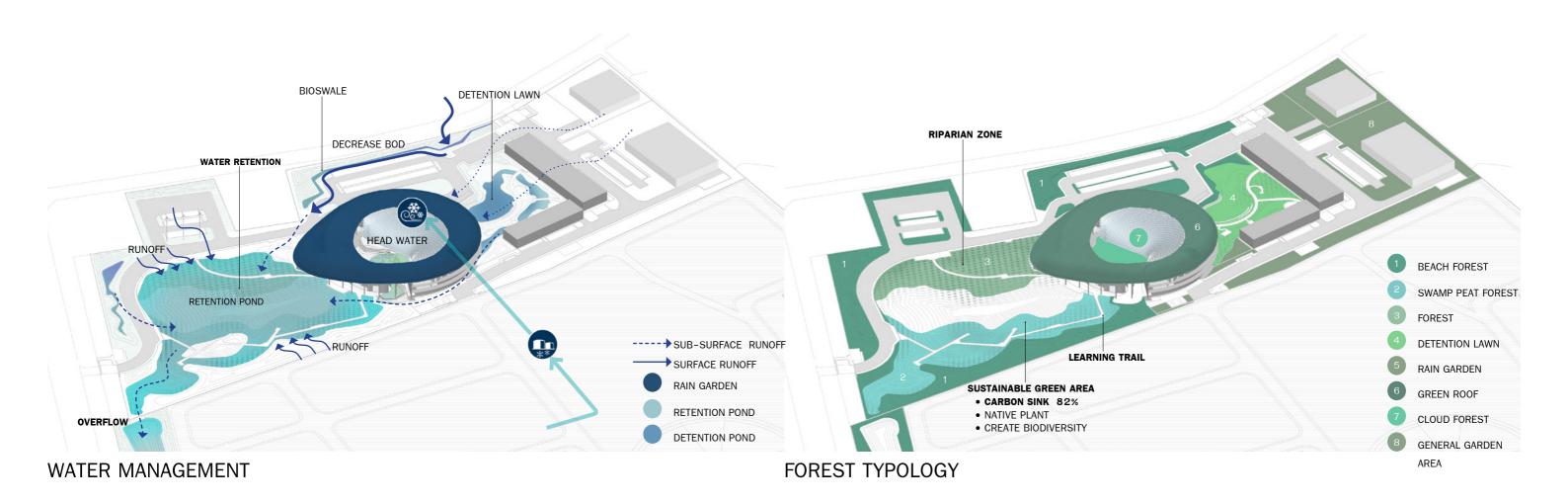


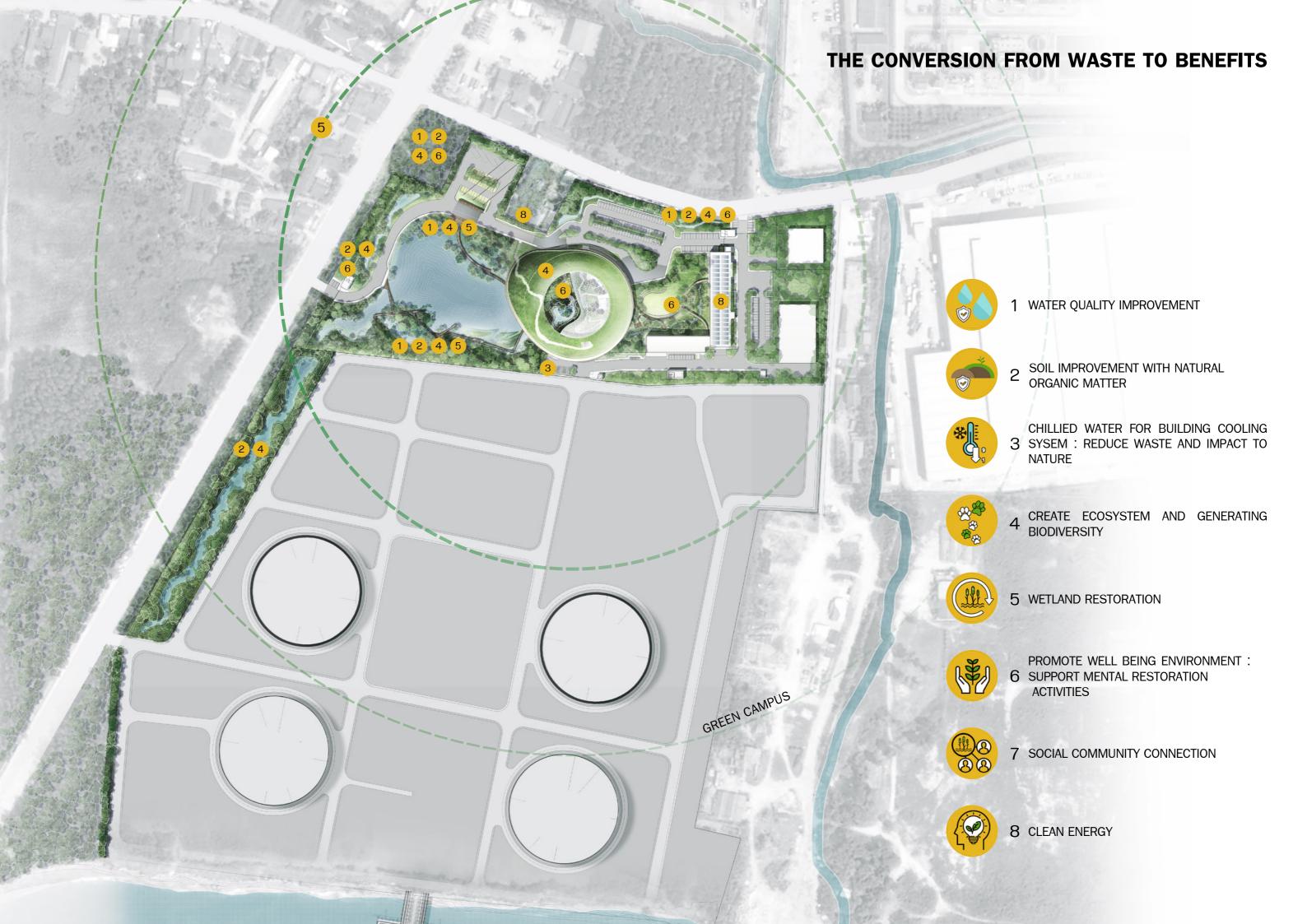
SYSTEMATIC DIAGRAMS



ZONING AND FUNCTION

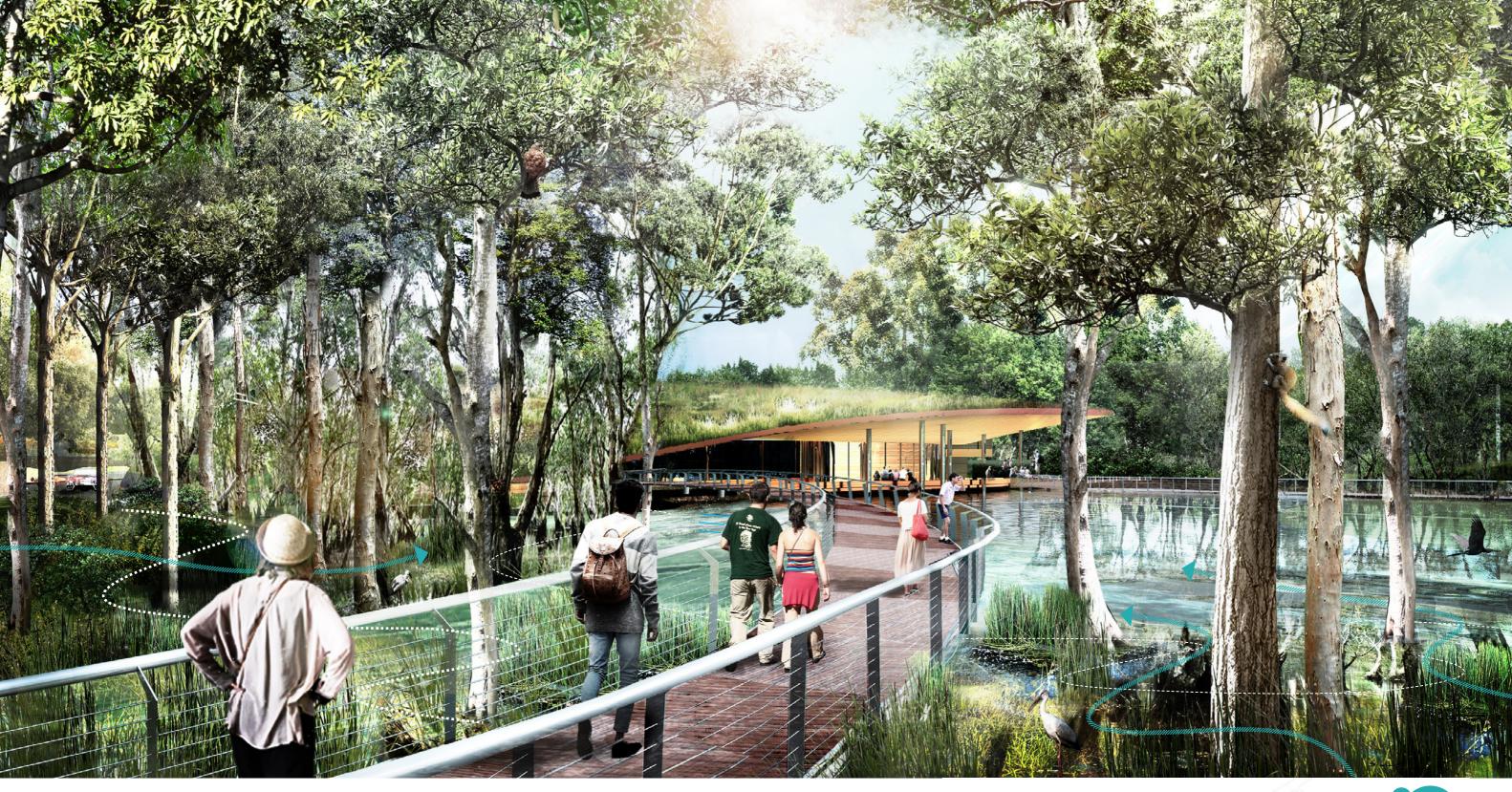
TEMPERATURE AND ENERGY MANAGEMENT





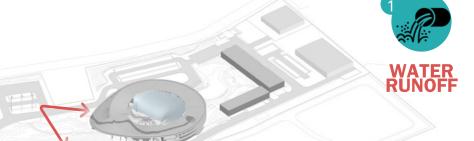
FROM WASTE TO BIODIVERSITY GENERATION



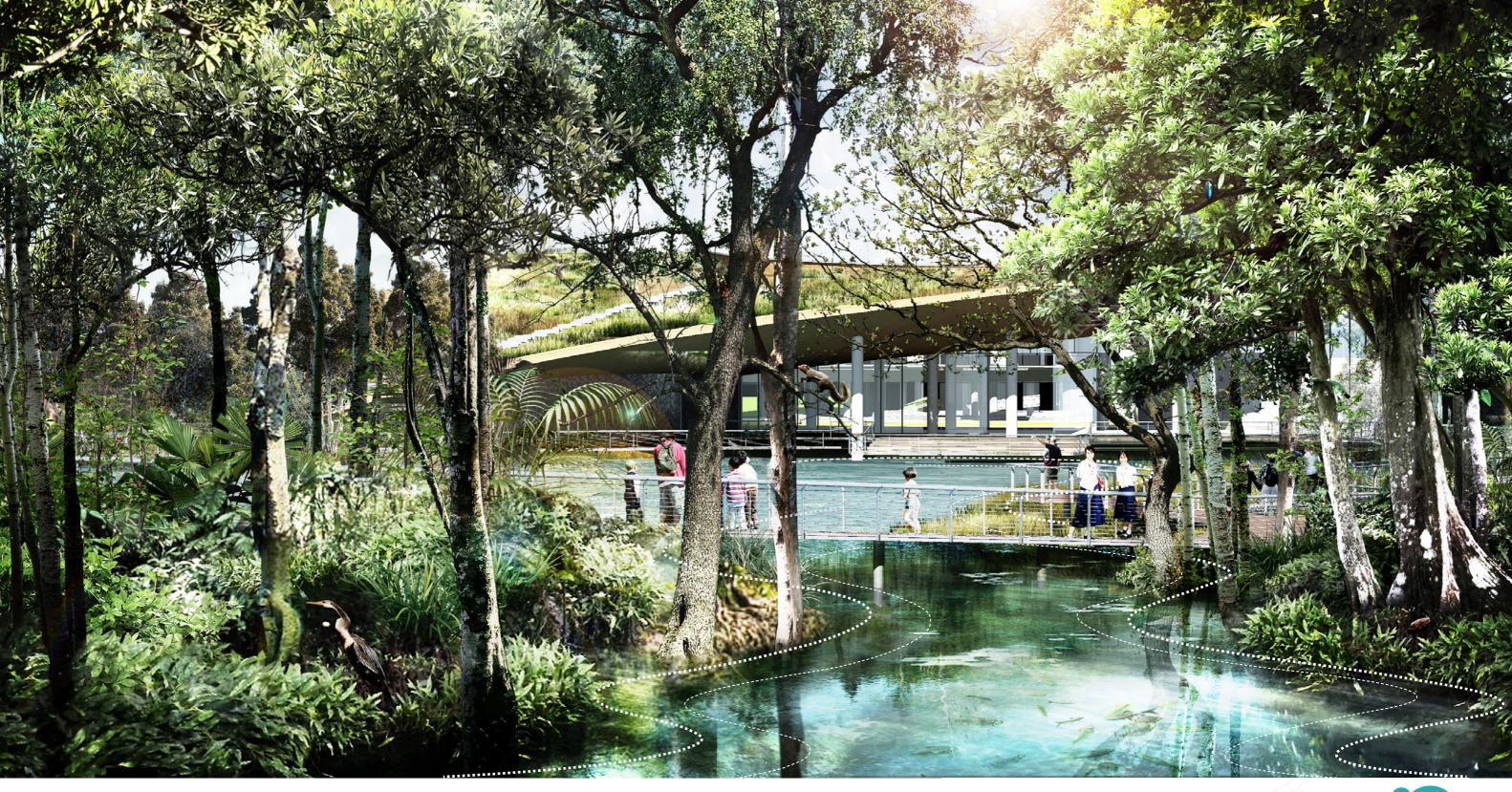


MELALEUCA FOREST ZONE

THE MELALEUCA FOREST IS THE PREDOMINANT FOREST OF THE RAYONG REGION, YET BECOMING ENDANGERED NOWADAYS ALONG WITH THE THRIVING INDUSTRIAL DEVELOPMENT. PERCHING WITH THE FLUCTUATION OF THE WATER TABLE BASED ON THE VOLUME OF RUNOFF AS WELL AS SEASONAL PRECIPITATION, THE DOMINANT SPECIES OF THE MELALEUCA TREES AND *LEPIRONIA ARTICULATA* WILL BE ACCLIMATED TO THIS SPECIFIC MONOCULTURE FLAT LAND.

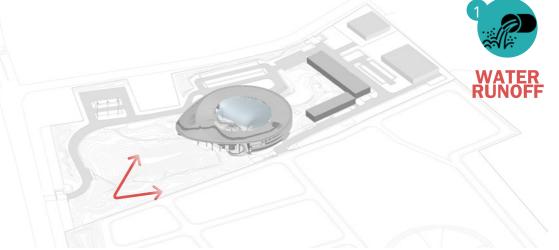


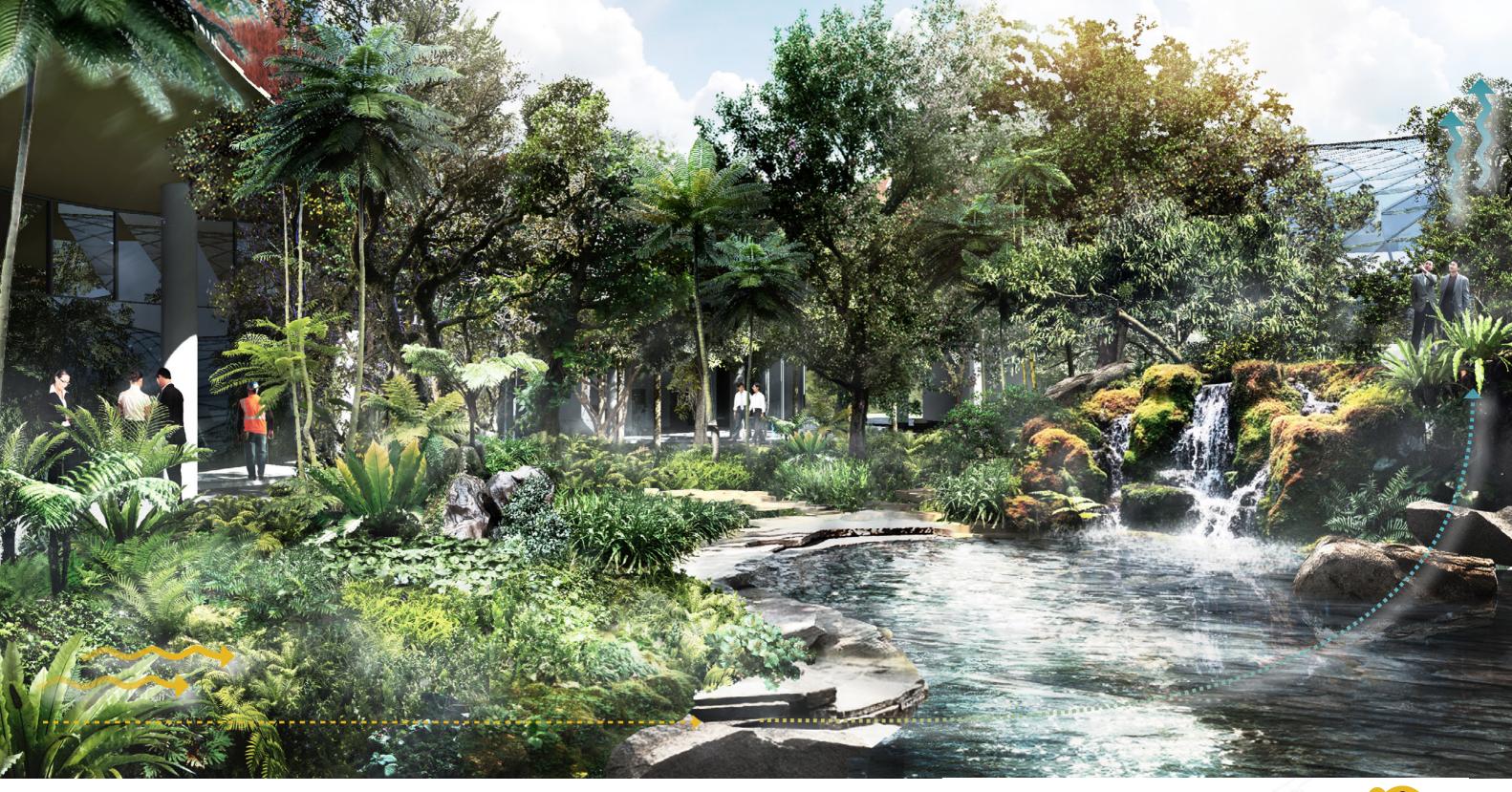




SWAMP PEAT FOREST ZONE

ACROSS THE RETENTION POND IS THE SWAMP PEAT FOREST, WHERE A GREATER DIVERSITY OF PLANTS SPECIES COULD BE FOUND. THIS PLANTS COMMUNITY IS MULTI-LAYERED AND LOW GROWING, PROVIDING A WIDE RANGE OF WILDLIFE HABITATS AND ENHANCING THE BIODIVERSITY. PLANTS ARE GROWING IN WATERLOGGED SOIL, HENCE, ARE DURABLE OF WATER FLUCTUATION AND ARE ABLE TO CONTAIN WATER EVEN AT DRY SEASON.





CLOUD FOREST ZONE

THE CLOUD FOREST REPRESENTS THE HEADWATER FOR THE ENTIRE SITE. COLD AIR FROM THE OPERATION ZONE WILL BE UTILIZED AT THE CLOUD FOREST. SINCE THE TEMPERATURE IS UNDER CONTROL AND COOLER THAN THE OPEN AIR OUTSIDE, A DIFFERENT CLIMATE AND HABITAT WILL BE FORMED. FEATURING WITH A WATERFALL AT THIS FOREST, A FOGGY AND MOIST ENVIRONMENT WILL ENCOURAGE THE GROWTH OF FERNS AND MOSSES, AND CREATING A COMFORTABLE ATMOSPHERE FOR ALL USERS.



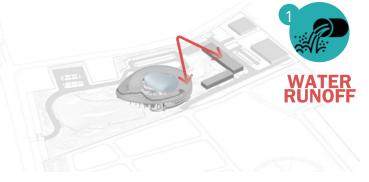


GREEN ROOF

IN ORDER TO CREATE A SUSTAINABLE ROOFTOP, A NATIVE SPECIES OF WEED FROM RAYONG HAS BEEN CHOSEN TO WIDESPREAD THE ROOF. WHILE IT REQUIRES LOW MAINTENANCE, THE PLANT HAS EFFECTIVELY HELPED PROLONGING RAINWATER AND REDUCING THE TEMPERATURE OF THE BUILDING. THIS AREA WILL BE AN IDEAL VIEWING POINT FOR OBSERVING THE ENTIRE SITE.







SUSTAINABLE WATER MANAGEMENT

DETENTION LAWN / MULTIPURPOSE LAWN

BEING A MULTI-PURPOSE DETENTION LAWN, THIS FLEXIBLE AREA WILL BE SERVED AS A COMMUNAL RECREATIONAL SPACE FOR THE STAFF, WHERE PEOPLE WILL FIND AN AMPHITHEATER AND OPEN LAWN FOR ACTIVITIES; AND BIOSWALES AND SOME SELECTED PLANTS FOR FILTERING THE INCOMING WATER RUNOFF.

BESIDES THE ECOLOGICAL ASPECT, THE PROJECT ALSO ADVOCATES CLEAN ENERGY USAGE. HENCE, RESULTING IN A GREEN CAMPUS, WHICH ALSO PROMOTES SOCIAL CONNECTION AND IS COMMUNITY FRIENDLY.



BY MAKING USE OF THE WATER RUNOFF AND WATER DETENTION, WATER QUALITY WILL BE ENHANCED AND BENEFIT THE NATURE THROUGH RECYCLING AND REDUCING WASTE.