SITE ANALYSIS

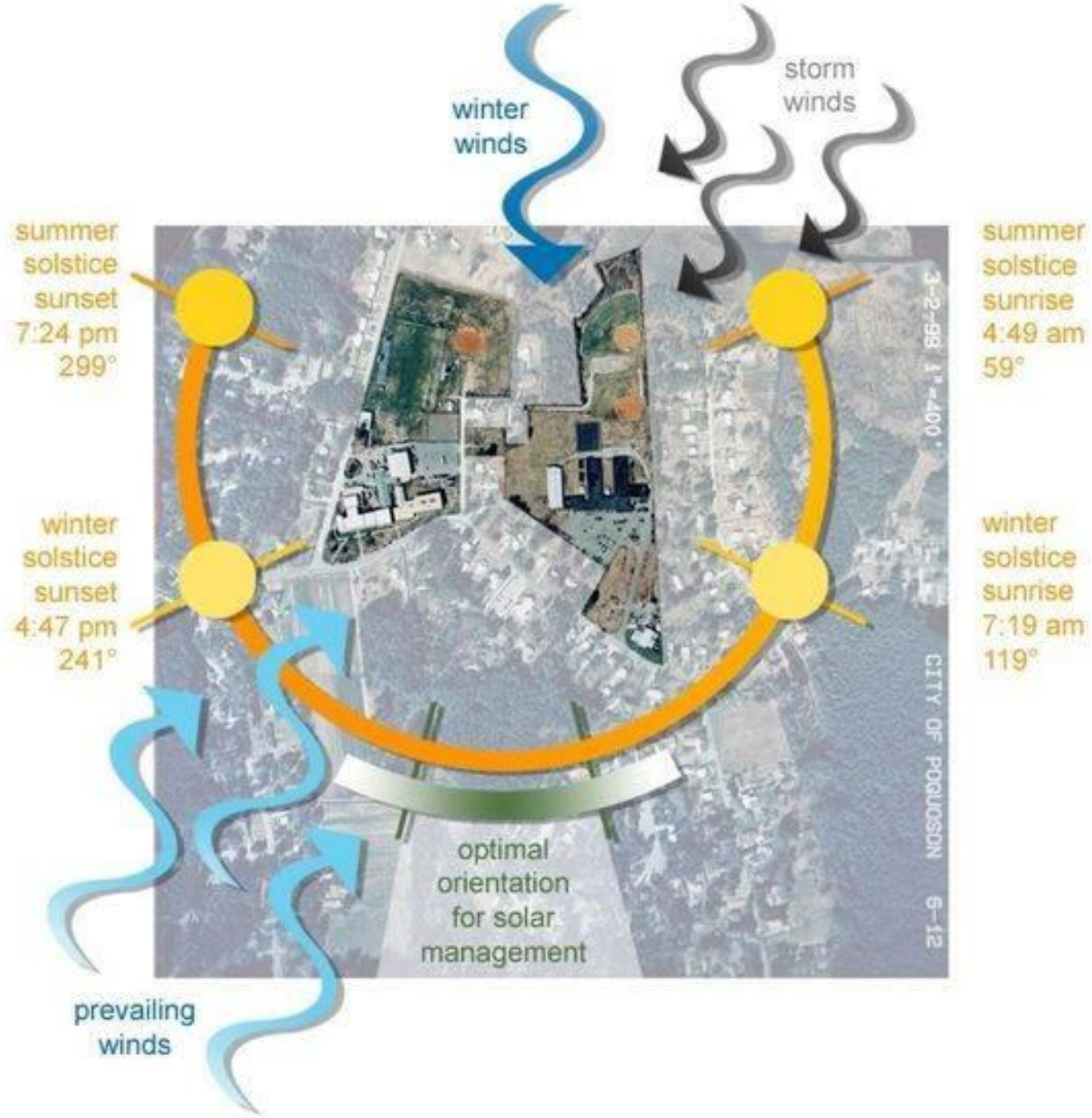
Starting a construction needs a tons of preparations that will lead to complete project.

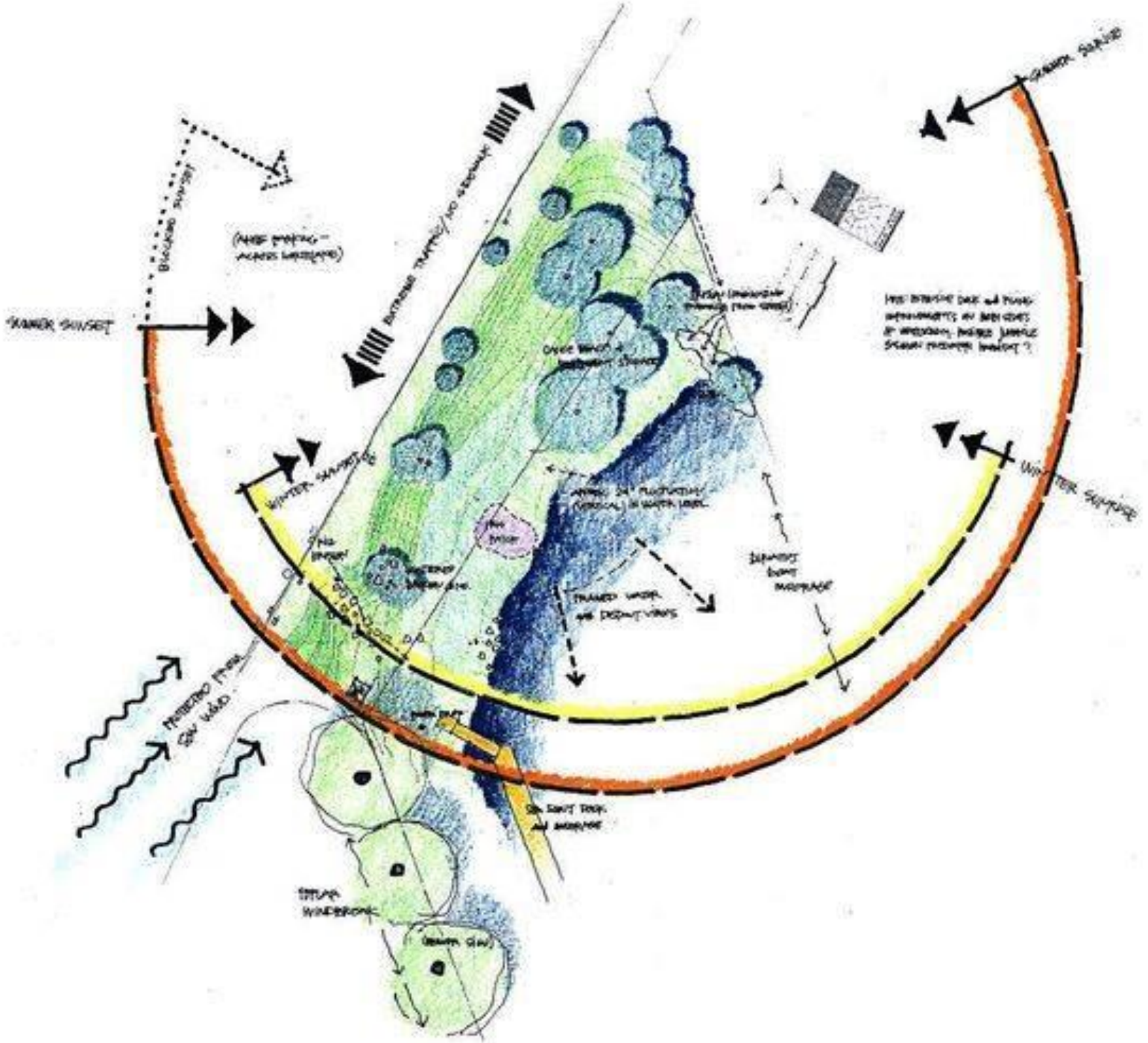
It’s not only a location and a visual look of the building important here.

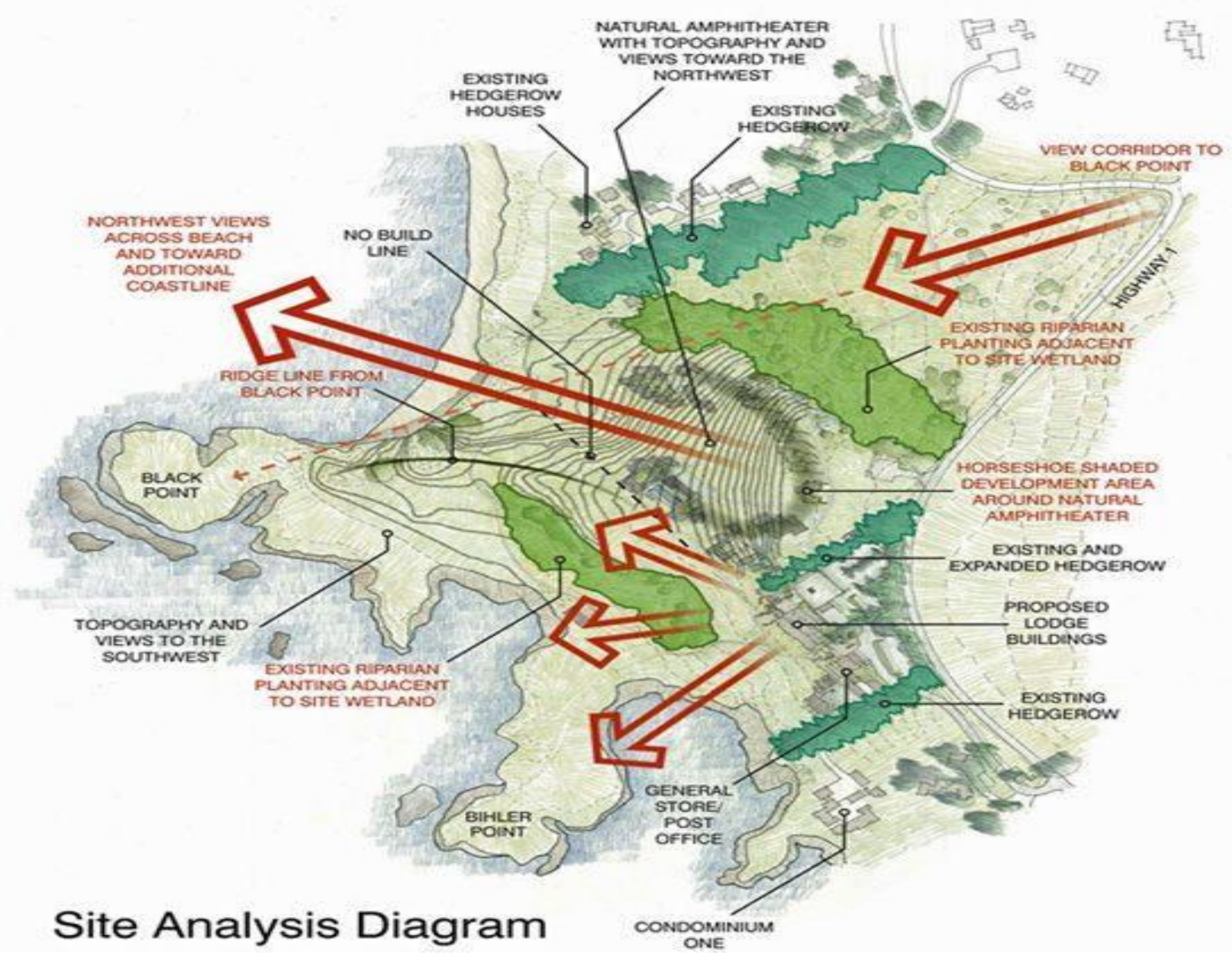
There are many other site analysis that architects need to follow so they can make a stable, firm and beautiful project.

The diagrams they analyse are showing them the sun path, the winds blow, the evaporation on the building plot… etc.

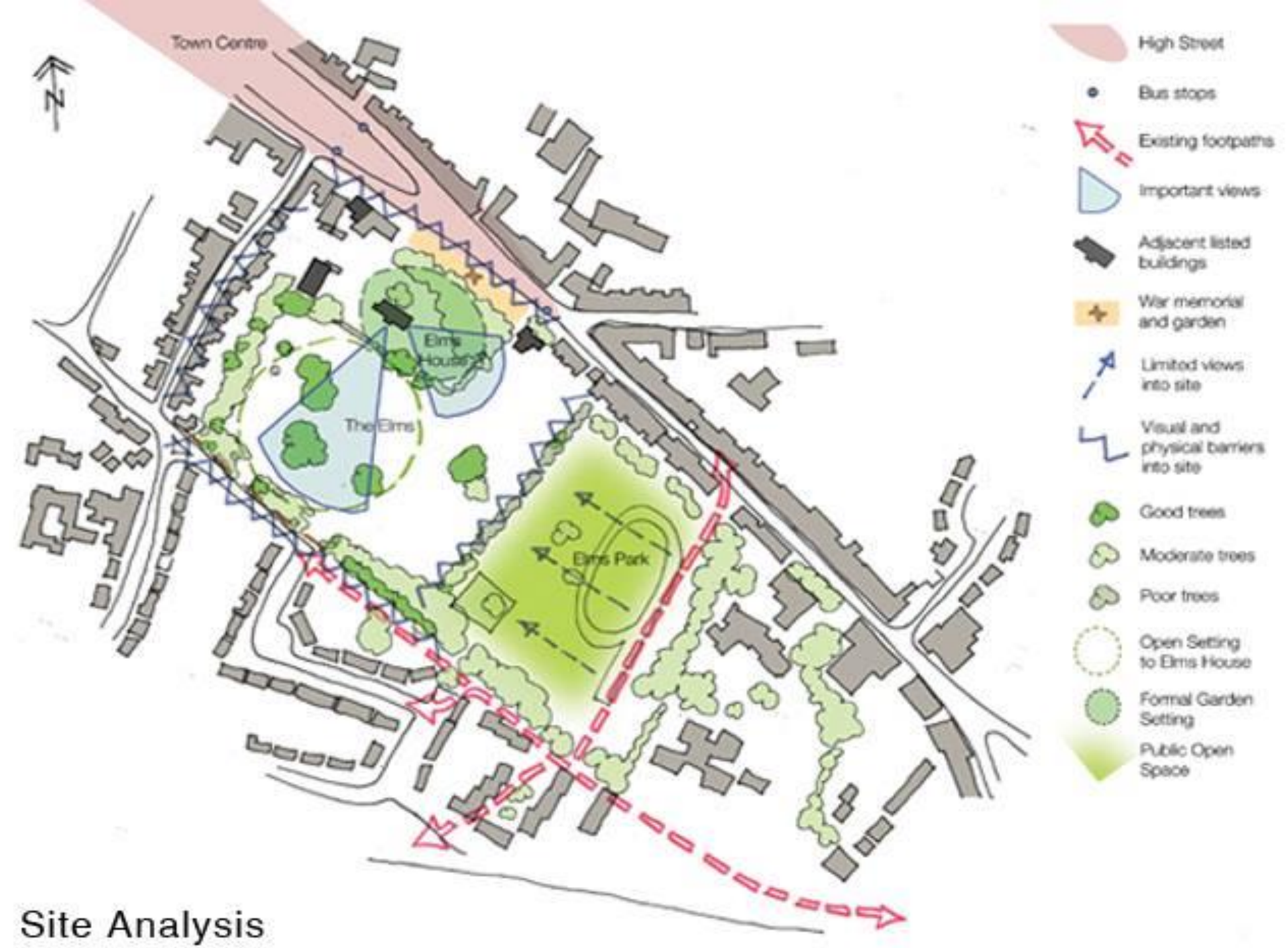
SUMMER SOLSTICE 68°
SUNRISE 5:24 AM
SUNSET 9:00 PM
SUMMER WIND NW
WINTER SOLSTICE 22°
SUNRISE 8:50 AM
SUNSET 5:27 PM
W
N
S
E
OPTIMAL ORIENTATION FOR SOLAR MANAGEMENT
NORTH
WINTER WIND S - SE


winter
winds
storm
winds
summer
solstice
sunset
7:24 pm
299°
summer
solstice
sunrise
4:49 am
59°
winter
solstice
sunset
4:47 pm
241°
winter
solstice
sunrise
7:19 am
119°
optimal
orientation
for solar
management
prevailing
winds
3-2-98 1"=400'
CITY OF POQUOSON 6-12

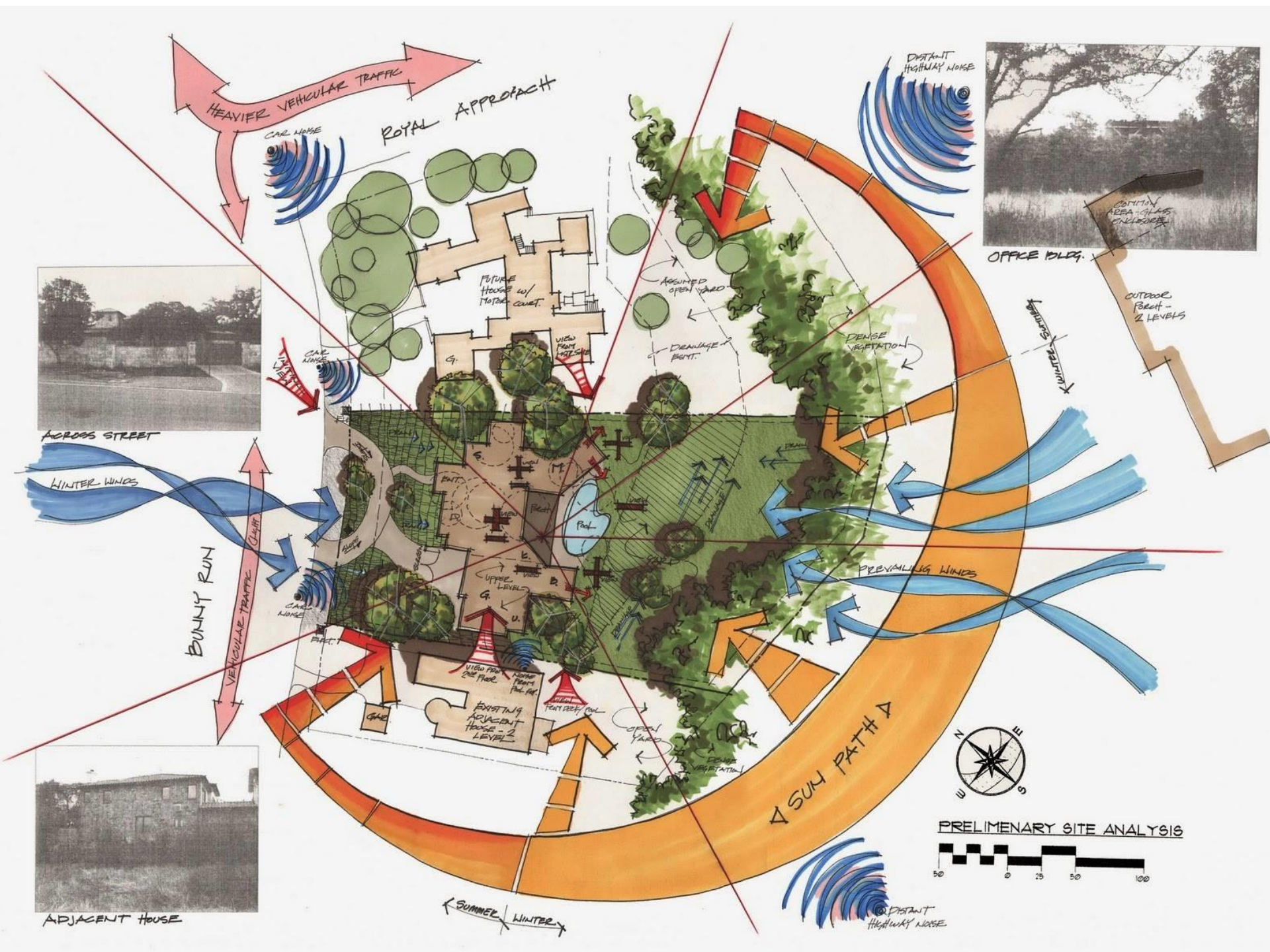


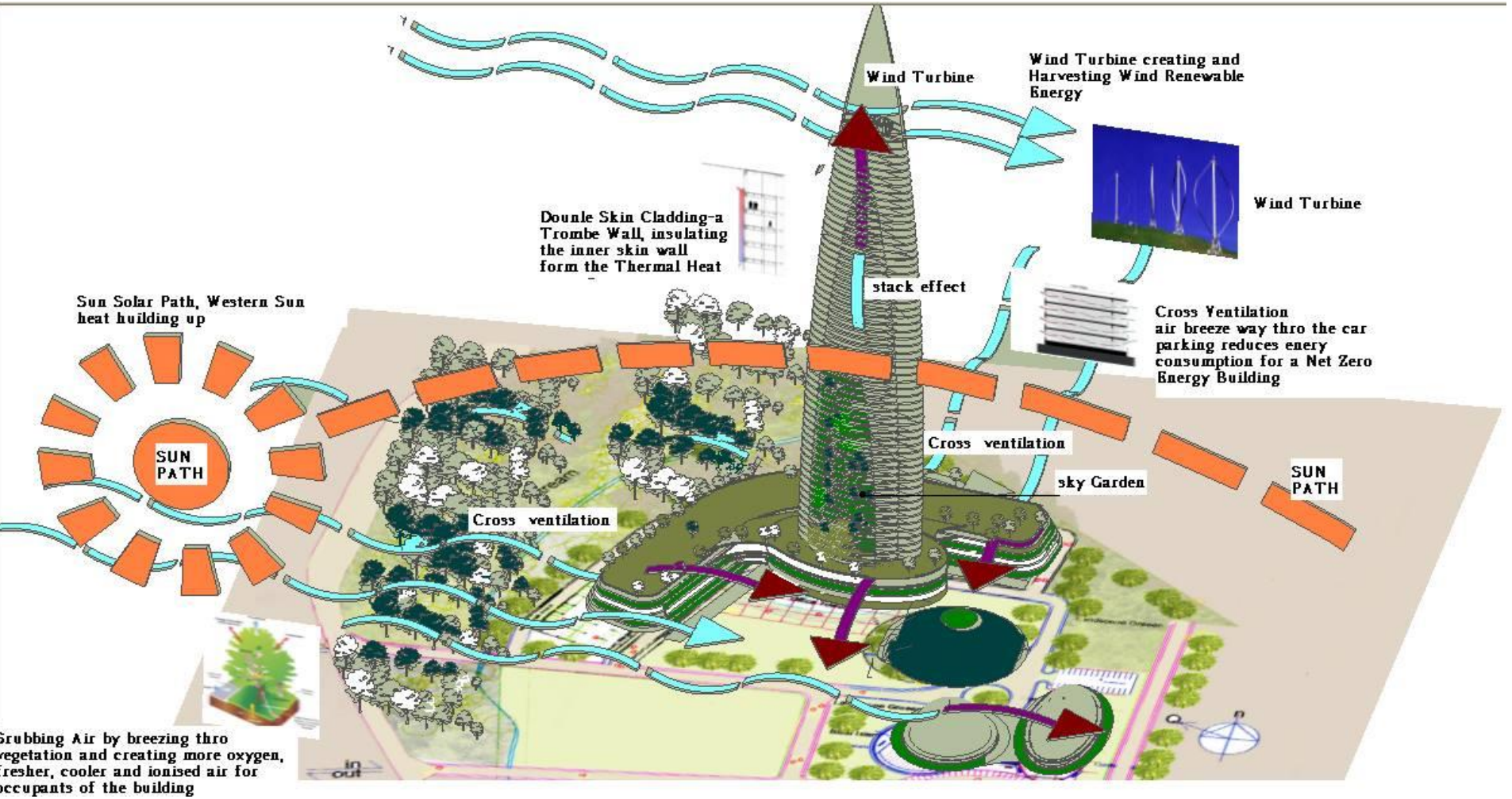


Site Analysis Diagram

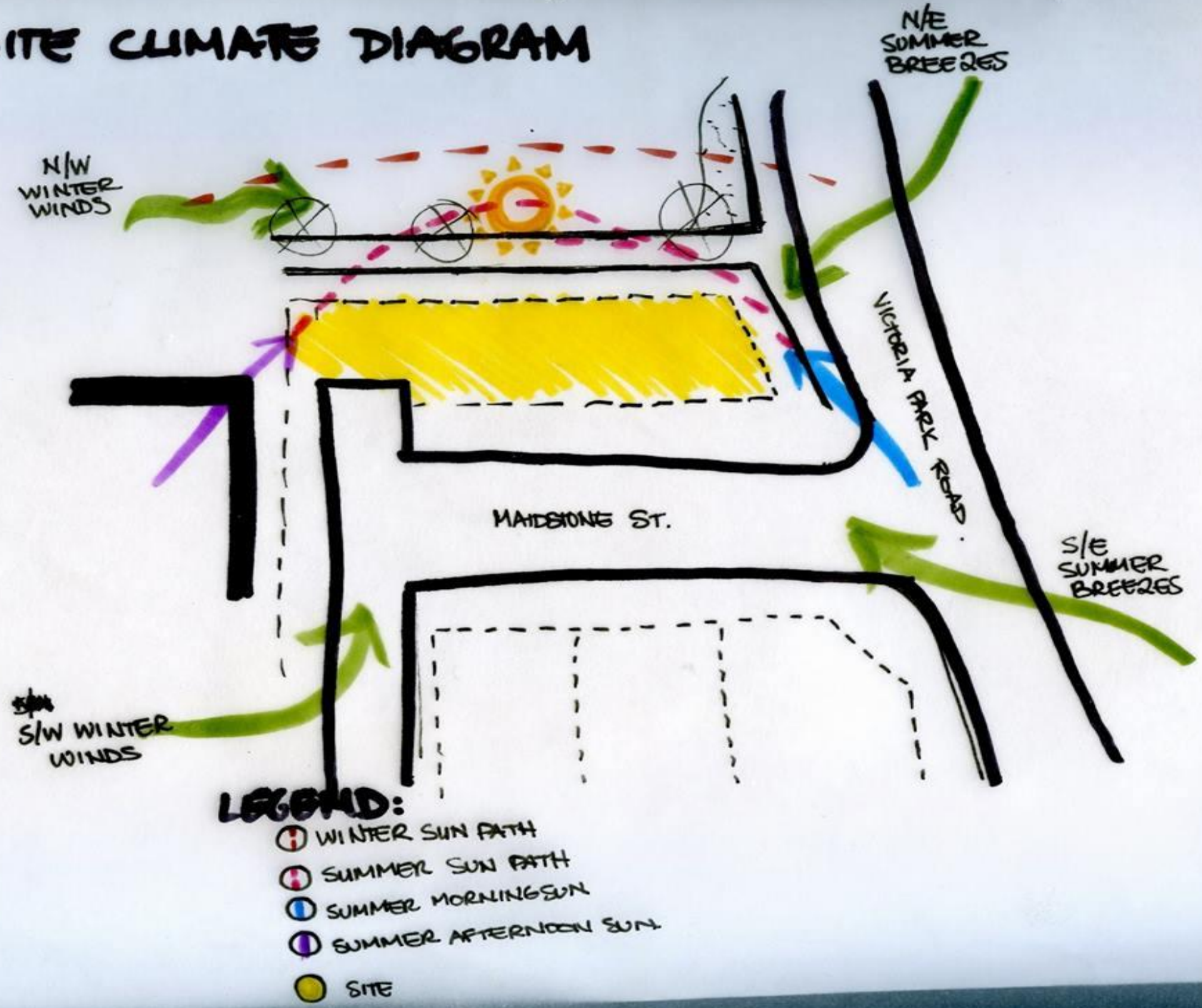


Site Analysis

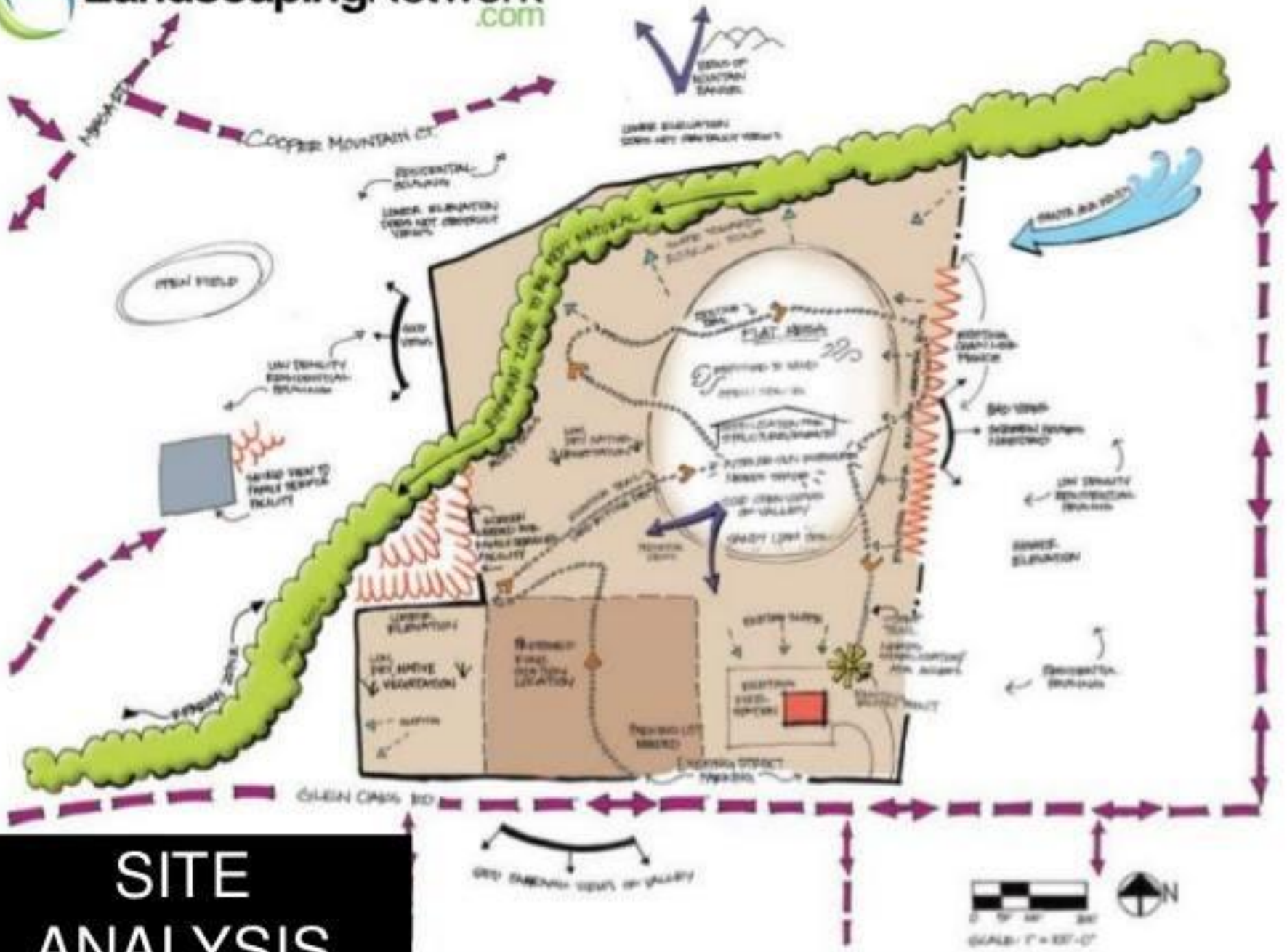
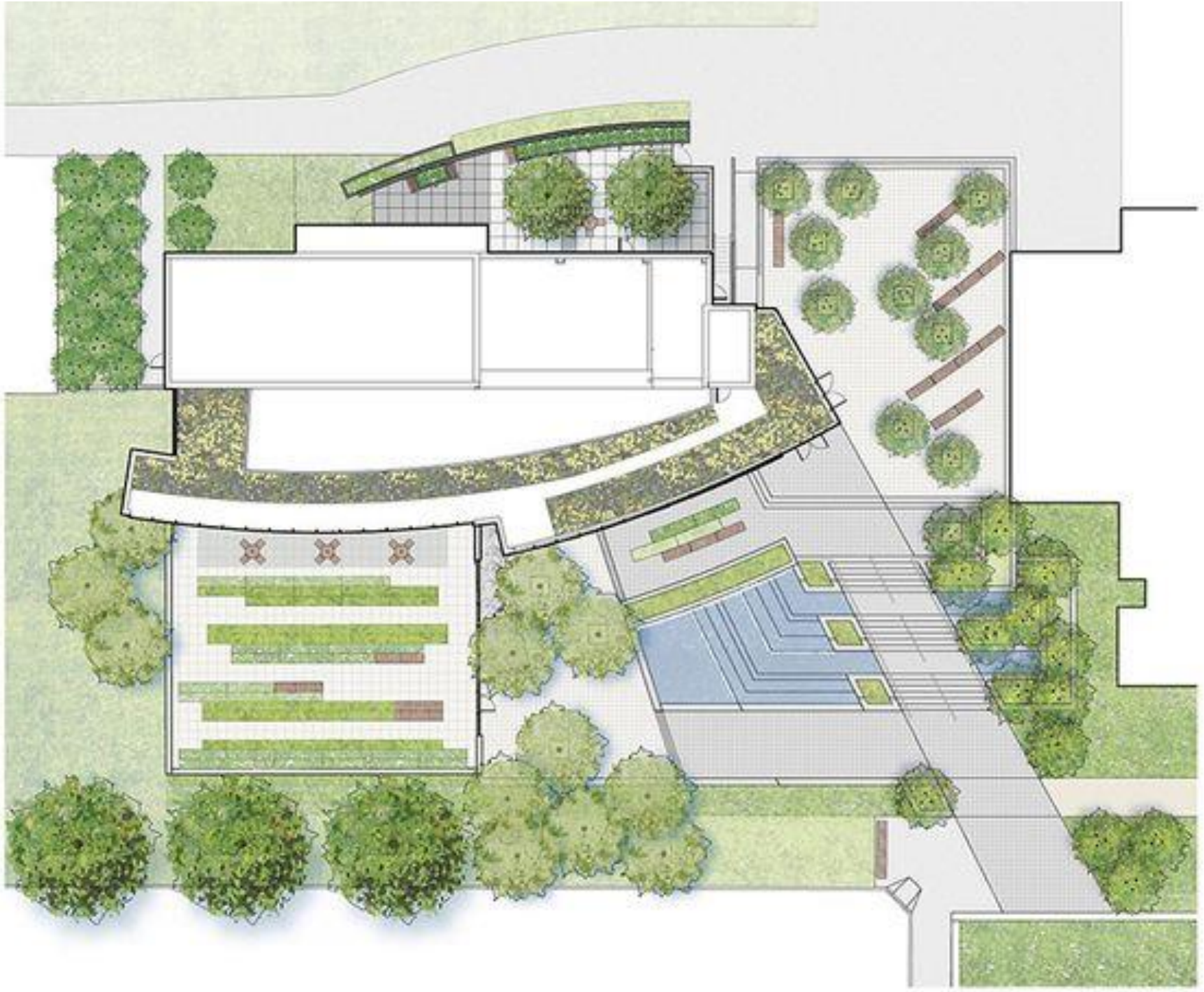

HEAVIER VEHICULAR TRAFFIC
CAR NOISE
ROYAL APPROACH
DISTANT HIGHWAY NOISE
OFFICE BLDG.
COMMON AREA - GLASS ENCLOSURE
OUTDOOR PORCH - 2 LEVELS
ACROSS STREET
FUTURE HOUSE W/ MOTOR COURT.
ASSUMED OPEN YARD
DRAINAGE EASMT.
DENSE VEGETATION
WINTER SUNSET
WINTER WINDS
BUNNY RUN
VEHICULAR TRAFFIC
PREVAILING WINDS
UPPER LEVEL
EXISTING ADJACENT HOUSE - 2 LEVEL
OPEN YARD
SUN PATH
SUMMER
WINTER
ADJACENT HOUSE
DISTANT HIGHWAY NOISE
PRELIMENARY SITE ANALYSIS
50 0 25 50 100


Wind Turbine
Wind Turbine creating and Harvesting Wind Renewable Energy
Wind Turbine
Dounle Skin Cladding-a Trombe Wall, insulating the inner skin wall form the Thermal Heat
stack effect
Sun Solar Path, Western Sun heat building up
Cross Ventilation air breeze way thro the car parking reduces enery consumption for a Net Zero Energy Building
SUN PATH
Cross ventilation
sky Garden
SUN PATH
Cross ventilation
Grubbing Air by breezing thro vegetation and creating more oxygen, fresher, cooler and ionised air for occupants of the building
in
out

SITE CLIMATE DIAGRAM



LandscapingNetwork.com



SITE ANALYSIS