Sprawl: waste of arable land & greater distances

Compactness: land preservation & proximity

Continuing routing instead of 1 way up
Maximize outdoor spaces

Arrangement rules of the blocks

Option 1: minimal 1/4 overlap
Option 2: divide structure over 2 blocks
Option 3: attach blocks to each other

Toronto city grid
Flip grid up
Creating vertical streets

GREEN
ELECTRICITY
HEAT
EXCHANGE
WARMTH
Gas
CHP PLANT (combined heat and power)
FERMENTATION
BIOMASS from plants
BIOMASS from building users
RAINWATER COLLECTION

COFFEE
TEA
FRESH FRUITS