Palava

Evaluating ROW & parking efficiencies

Mumbai

September 17, 2012

M/s Prabhakar B. Bhagwat

Content

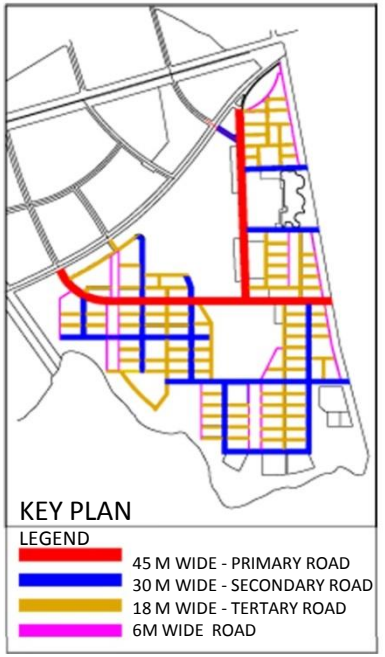
i) Total length of roads (Non DP area)
   Primary road- 45 mts
   Secondary road- 30 mts
   Tertiary road- 18 mts
   Slip roads - 6 mts
ii) ROW as previously finalized
iii) Sector wise length of roads
iii) Parking efficiencies
   Primary road- 45 mts
   Secondary road- 30 mts
   Tertiary road- 18 mts
   Slip road

TOTAL LENGTH OF ROADS (Non DP area)

		TOTAL NO OF CAR PARKS		
Road Type	**Length (M)**	**OPTION 1**	**OPTION 2**	**OPTION 3**
PRIMARY ROADS(45 M)	2806.75	1122	1640	2000
SECONDARY ROADS(30 M)	6096.50	1875	2438	3282
TERTIARY ROADS (18 M)	24625.70	4925	7577	
SLIP ROAD(6 M)	4783.00	NO PARKING	809(IF INCREASED TO 8 M)	

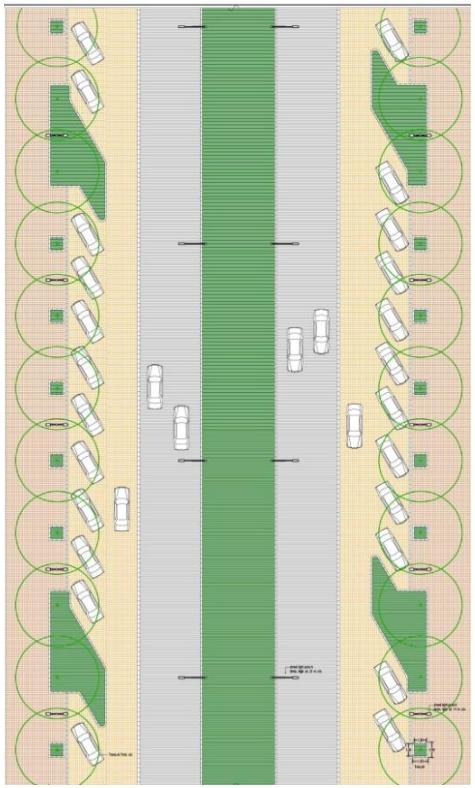
The total areas presently under the total 13 MLCP is the Non-DP area, total to 67591.00 sq.mts; 16.70 acres. This at 18.5 sq.mts to a car, allowing planting, roads and turning, would add another 3653 cars.

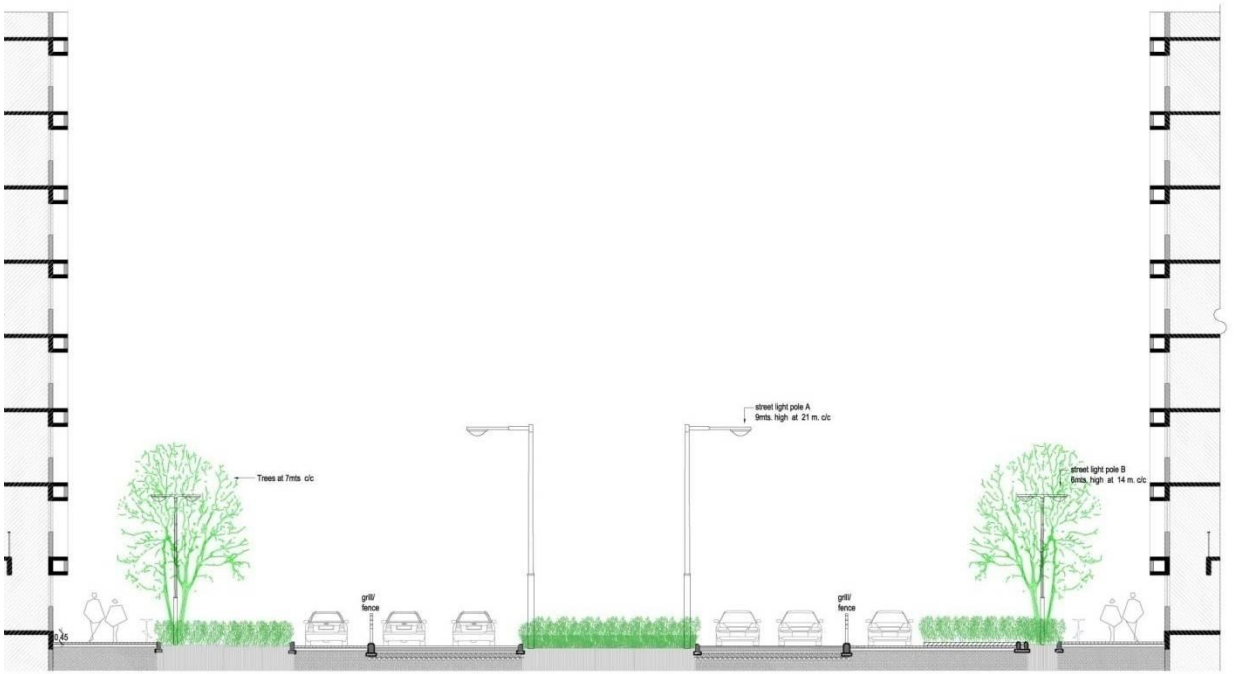
So as such if we manage to optimize all the options we will get in all about 17,321 cars.

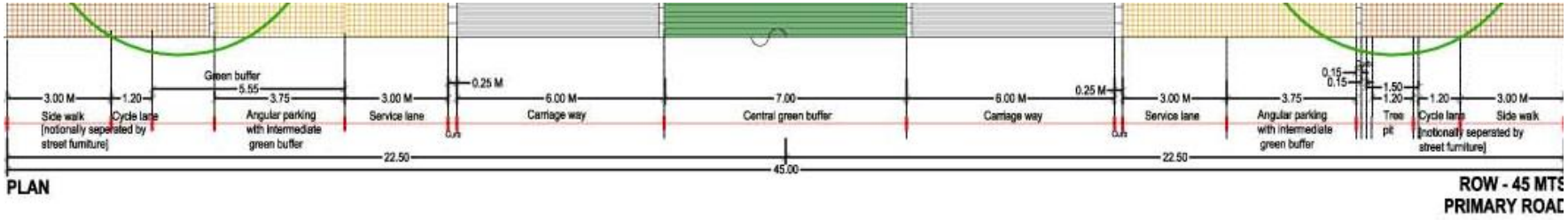


Previously finalized ROW

Primary road



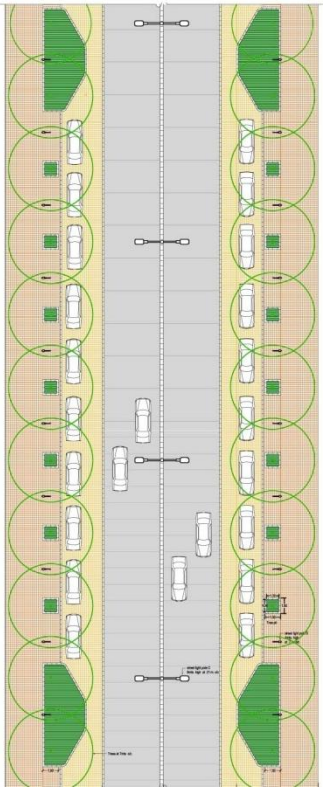


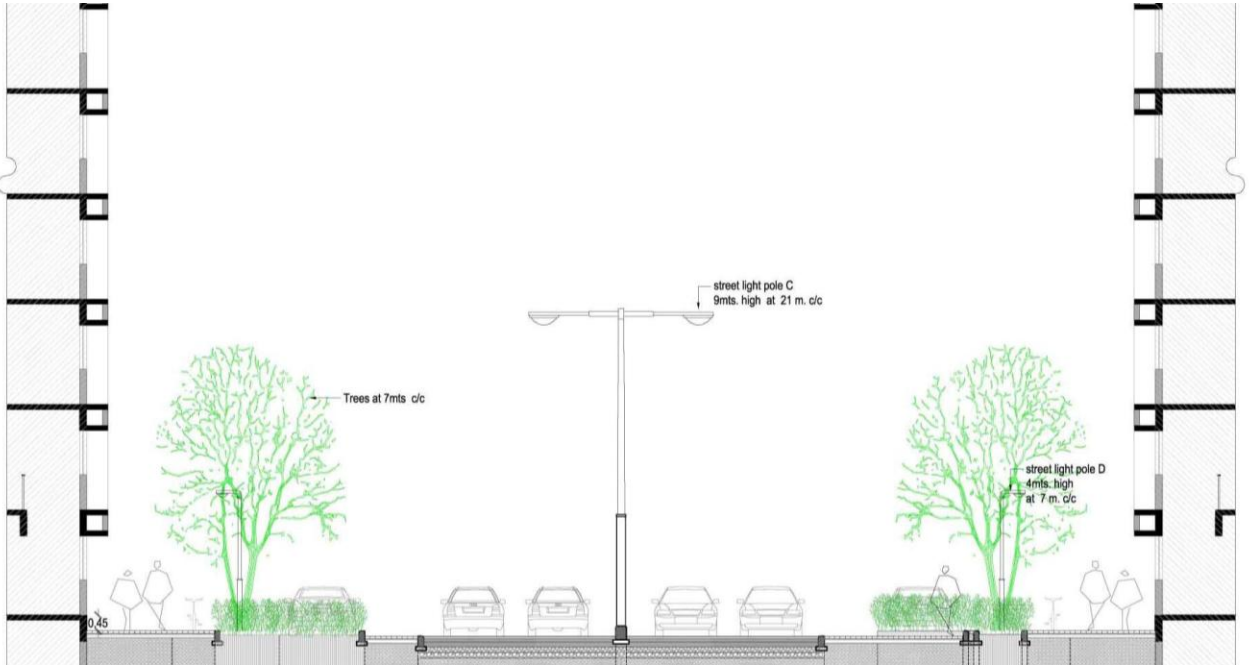


PLAN

ROW - 45 MTS
PRIMARY ROAD

Secondary road



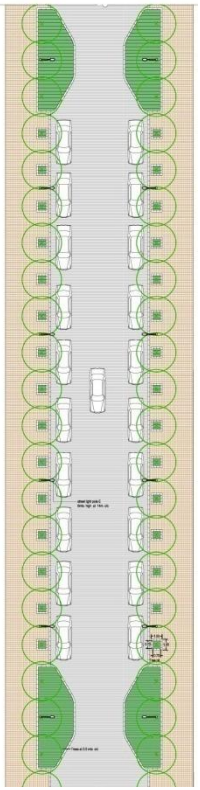


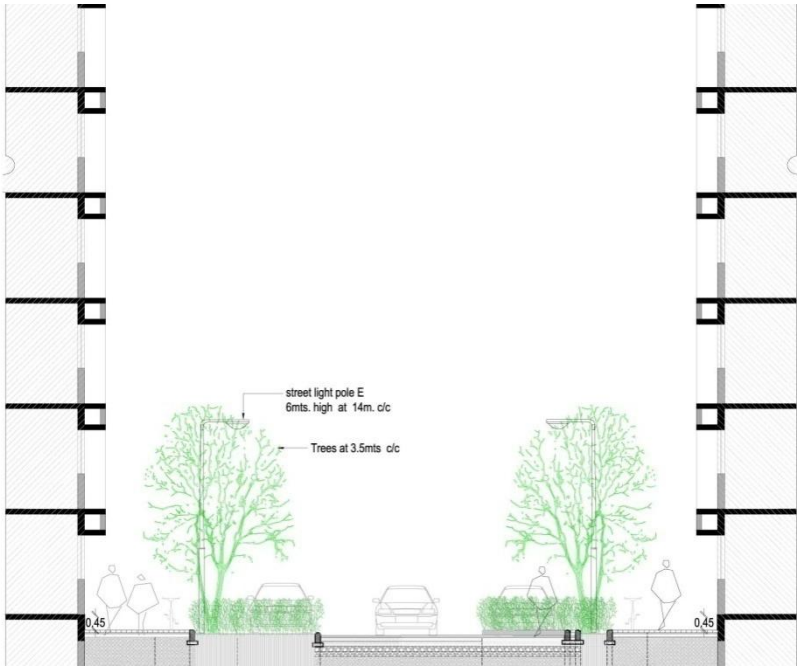


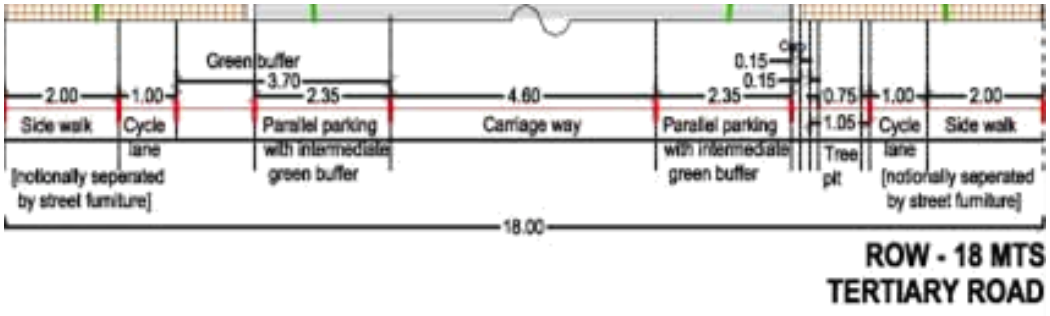
PLAN

ROW - 30 MTS
SECONDARY ROAD

Tertiary road

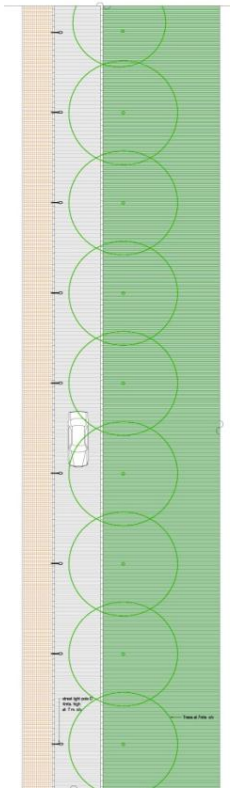


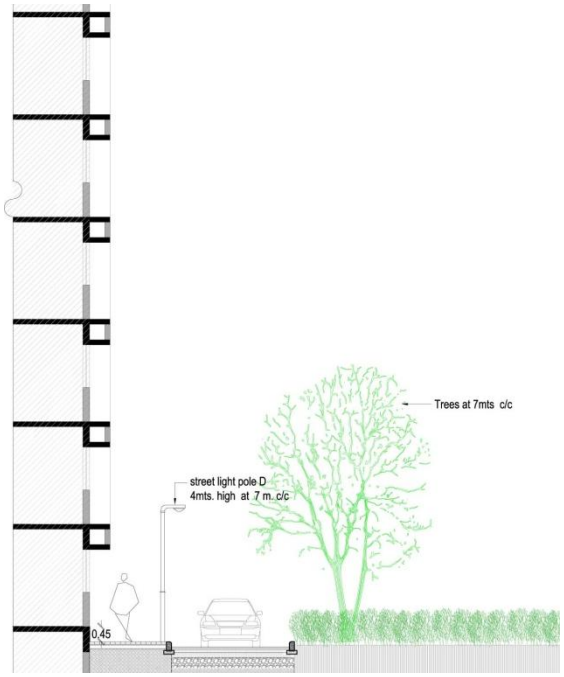


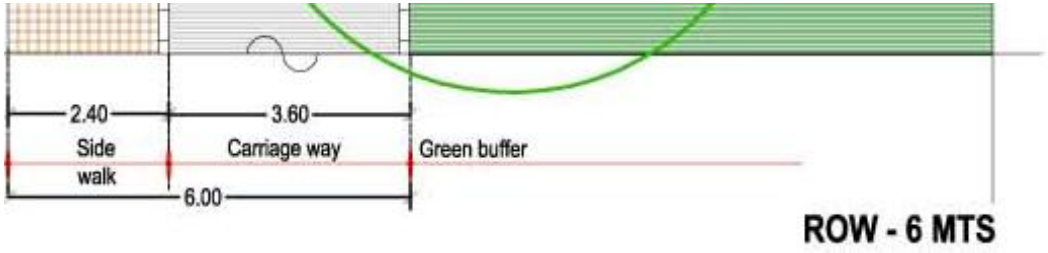


ROW - 18 MTS
TERTIARY ROAD

Slip road



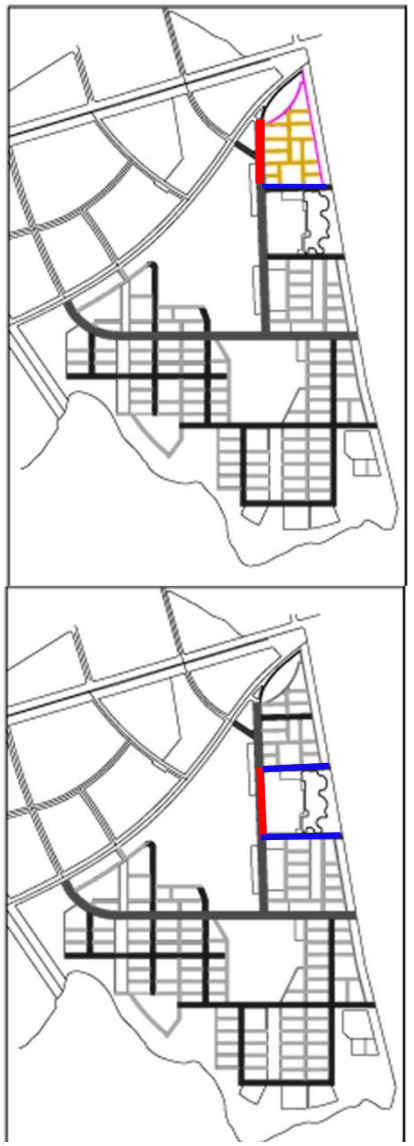

Trees at 7mts c/c
street light pole D
4mts. high at 7 m. c/c
0.45


2.40
3.60
Side walk
Carriage way
Green buffer
6.00
ROW - 6 MTS

LENGTH OF ROADS SECTOR WISE

Zone 1	**Road Type**	**Length (M)**
	45 M Wide Road	346
	30 M Wide Road	369.3
	18 M Wide Road	1868.85
	6M Wide Road	732.90

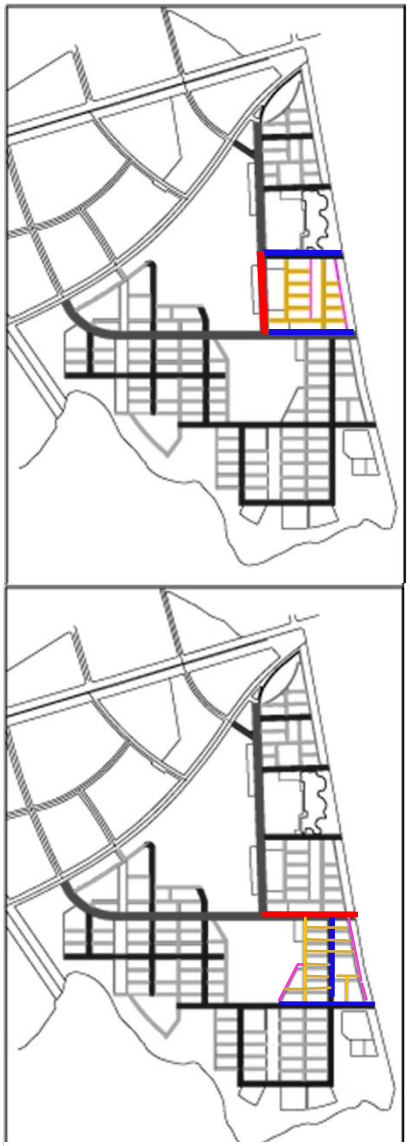
Zone 2	**Road Type**	**Length (M)**
	45 M Wide Road	372.03
	30 M Wide Road	799.2
	18 M Wide Road	
	6M Wide Road	



LENGTH OF ROADS SECTOR WISE

Zone 3	Road Type	Length (M)
	45 M Wide Road	494.20
	30 M Wide Road	436.87
	18 M Wide Road	1731
	6M Wide Road	753.95

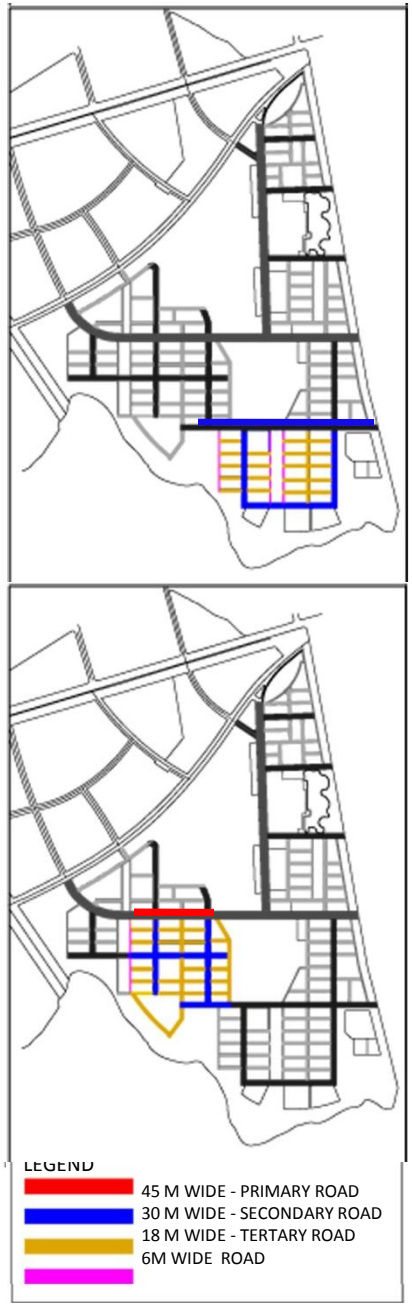
Zone 4	Road Type	Length (M)
	45 M Wide Road	494.20
	30 M Wide Road	971.18
	18 M Wide Road	1827.35
	6M Wide Road	717



LENGTH OF ROADS SECTOR WISE

Zone 5	Road Type	Length (M)
	45 M Wide Road	
	30 M Wide Road	1333.85
	18 M Wide Road	2729
	6M Wide Road	1151.85

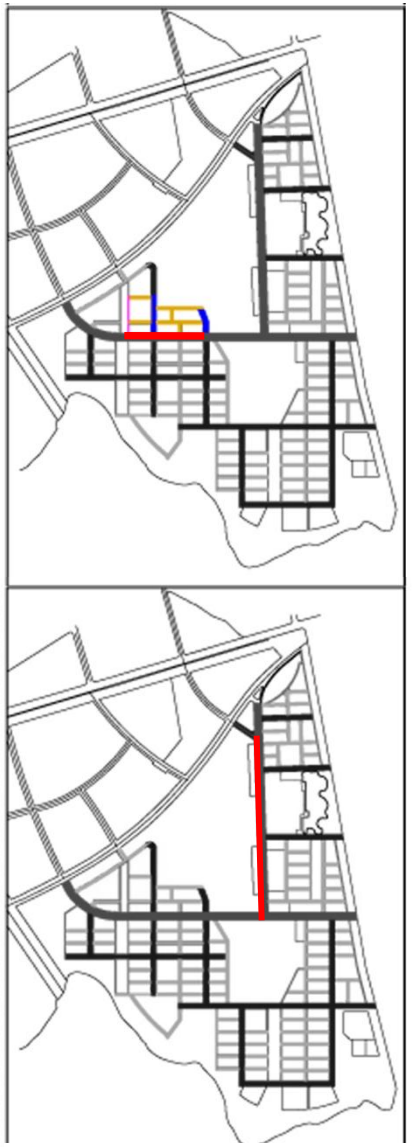
Zone 6	Road Type	Length (M)
	45 M Wide Road	657.82
	30 M Wide Road	1651.50
	18 M Wide Road	14426.65
	6M Wide Road	372



LENGTH OF ROADS SECTOR WISE

Zone 7	Road Type	Length (M)
	45 M Wide Road	657.8
	30 M Wide Road	286
	18 M Wide Road	731.65
	6M Wide Road	186

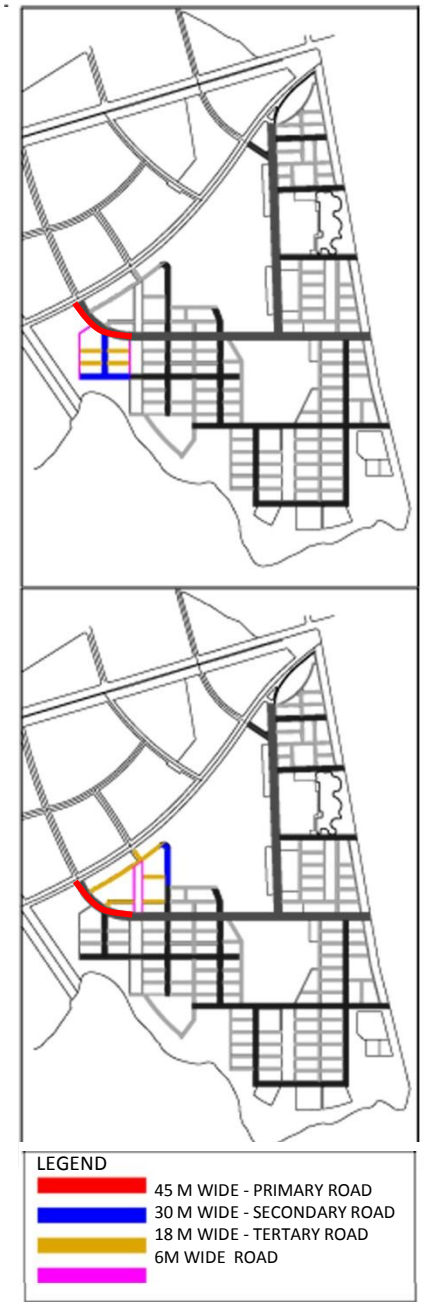
Zone 8	Road Type	Length (M)
	45 M Wide Road	975.69
	30 M Wide Road	
	18 M Wide Road	
	6M Wide Road	



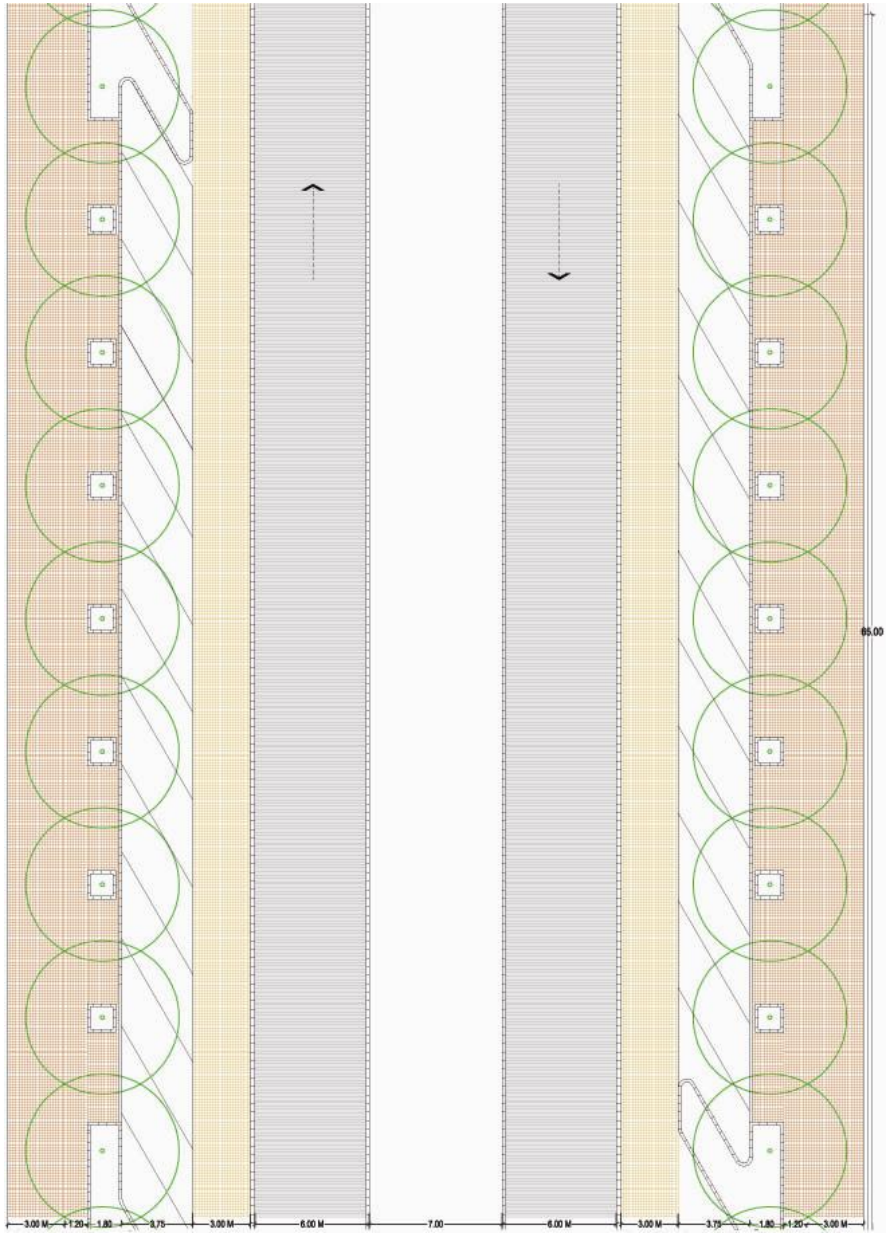
LENGTH OF ROADS SECTOR WISE

Zone 9	Road Type	Length (M)
	45 M Wide Road	376.3
	30 M Wide Road	379.6
	18 M Wide Road	496
	6M Wide Road	521

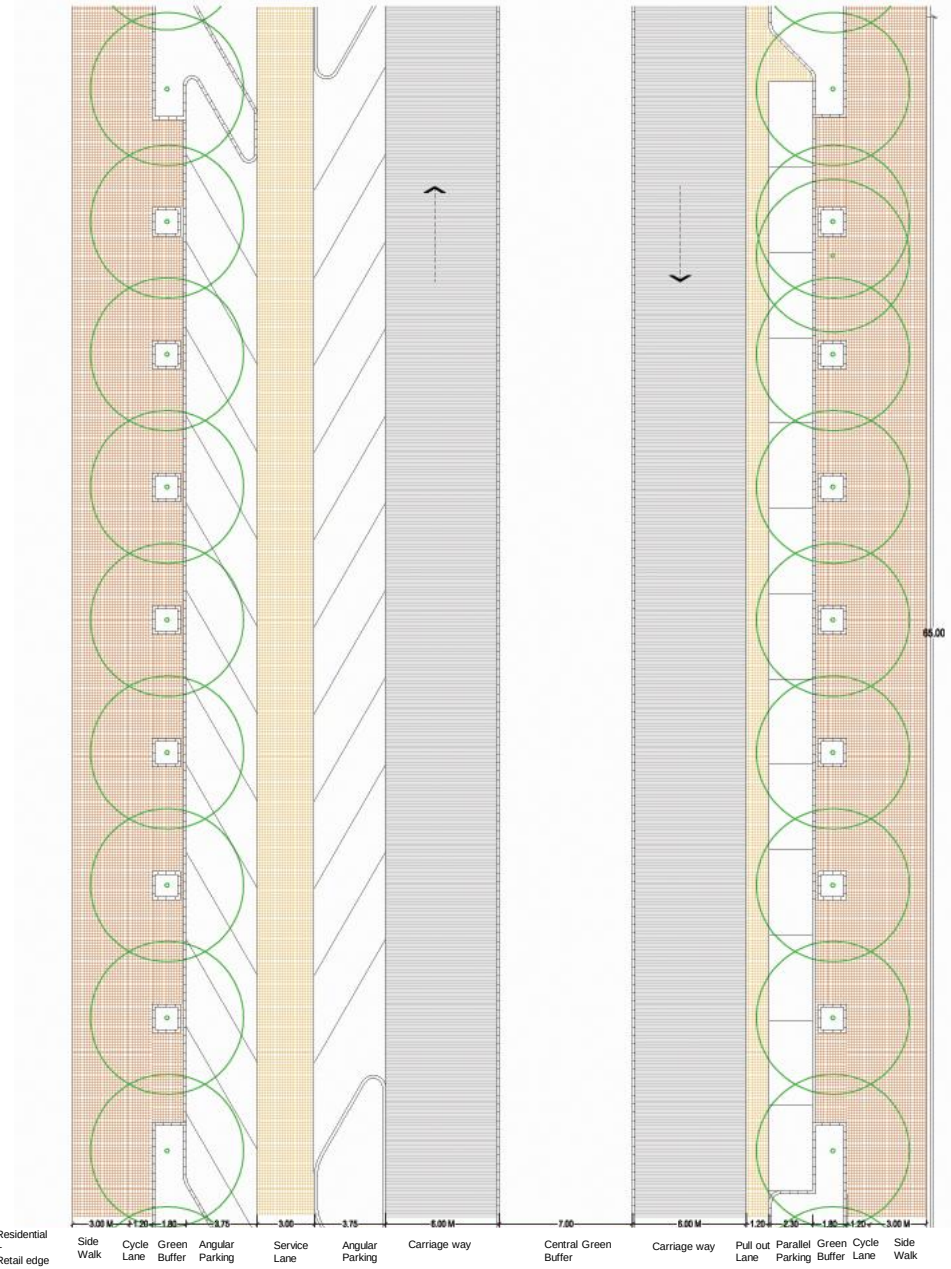
Zone 10	Road Type	Length (M)
	45 M Wide Road	376.25
	30 M Wide Road	343.25
	18 M Wide Road	814.25
	6M Wide Road	348



PRIMARY ROADS (45 M wide)
Length 65M

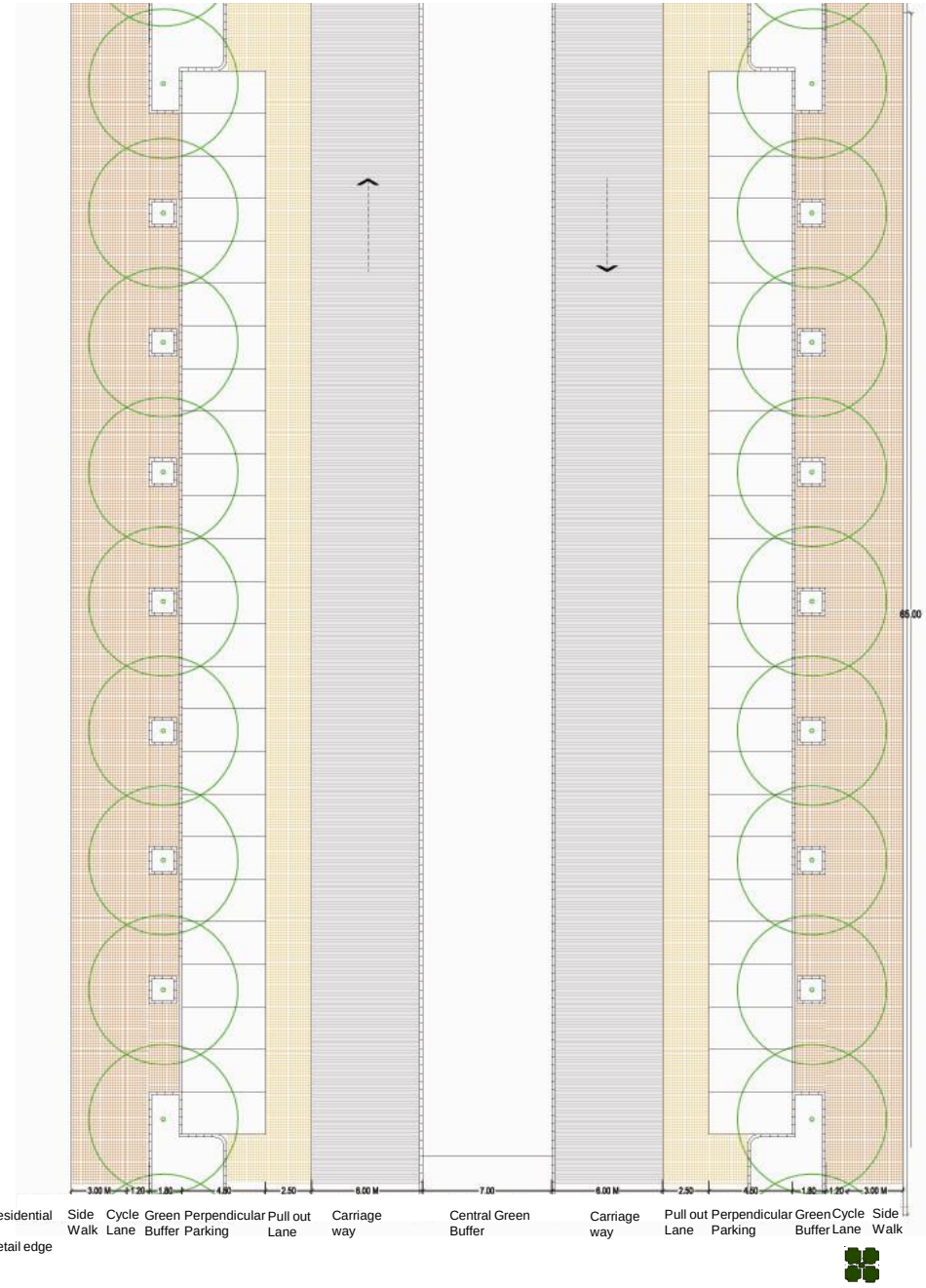


OPTION 1
Car Parking 26



PRIMARY ROADS (45 M wide)
Length 65M

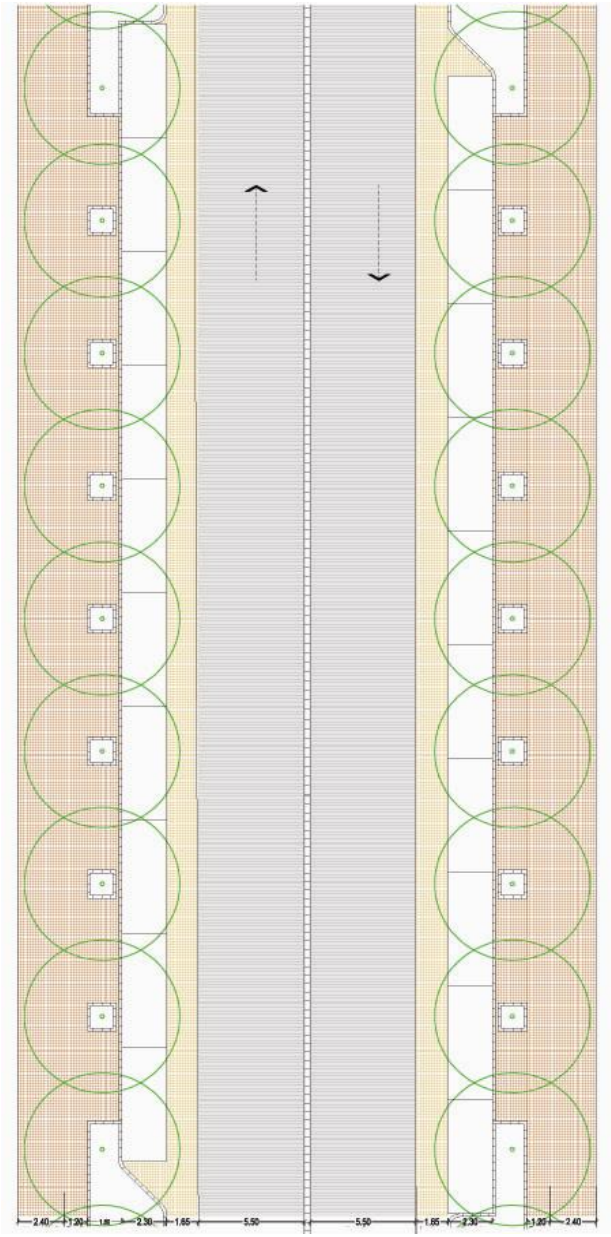
OPTION 2
Car Parking 38



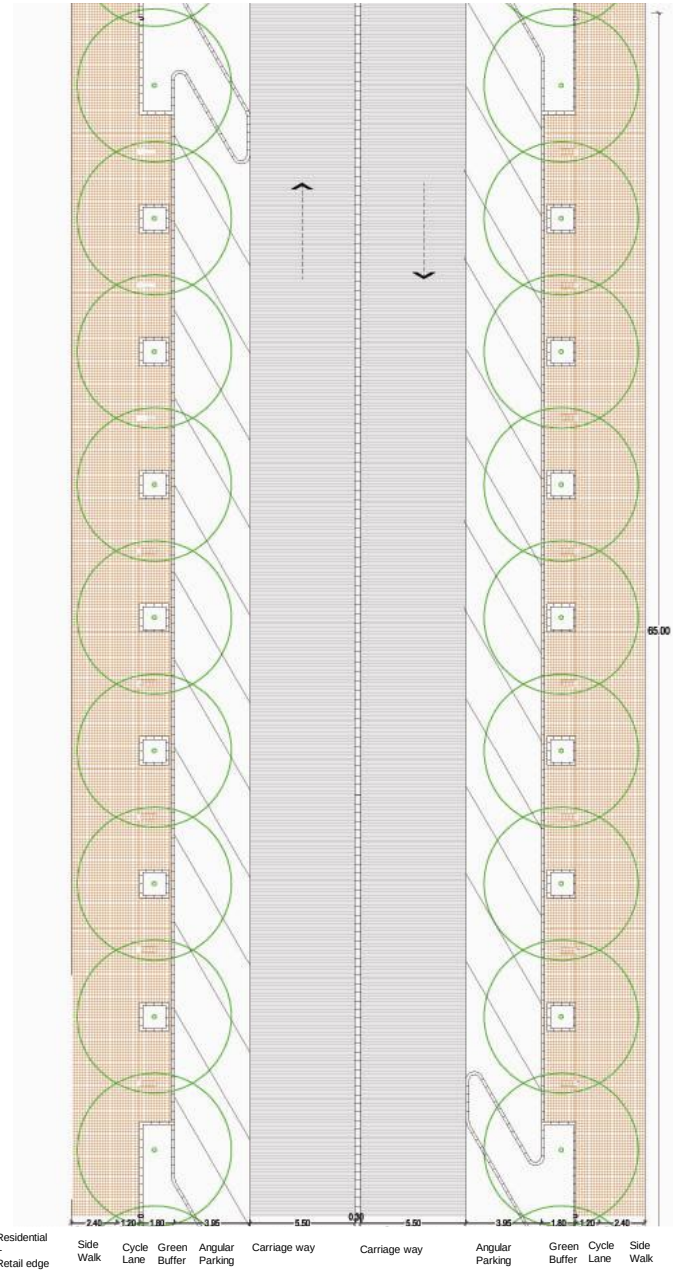
PRIMARY ROADS (45 M wide)
Length 65M

OPTION 3
Car Parking 50

SECONDARY ROADS (30 M wide)
Length 65M

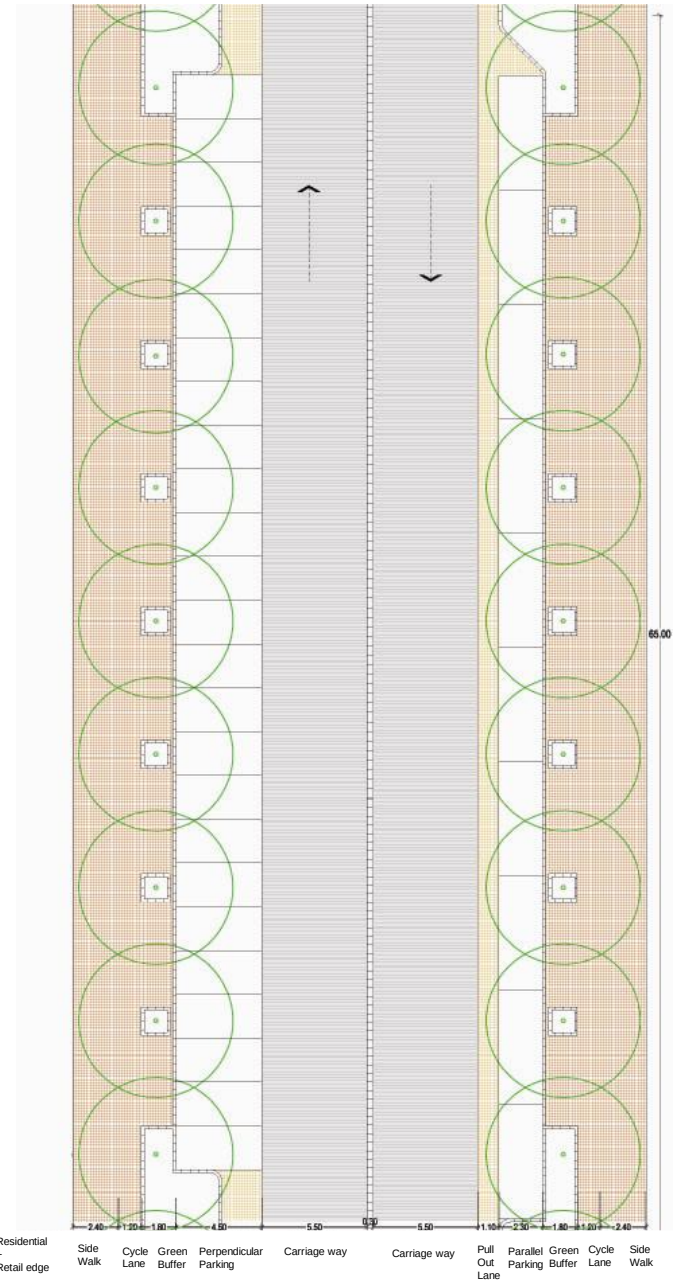


OPTION 1
Car Parking 20



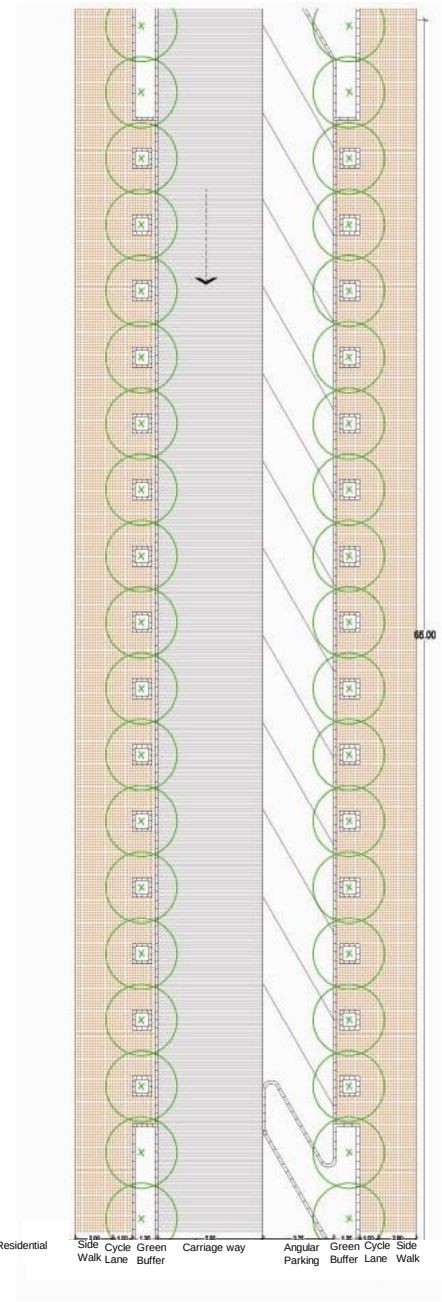
SECONDARY ROADS (30 M wide)
Length 65M

OPTION 2
Car Parking 26



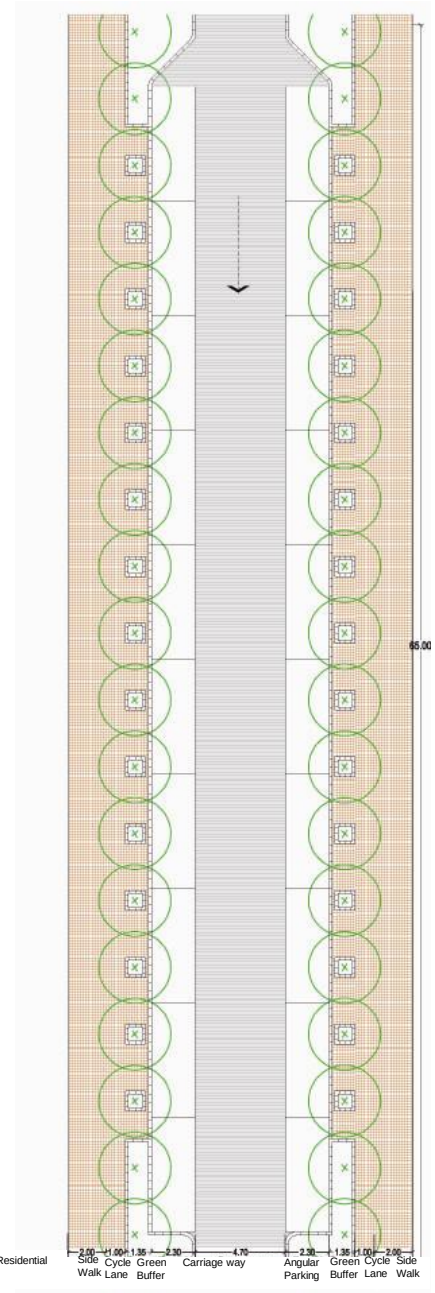
SECONDARY ROADS (30 M wide)
Length 65M

OPTION 3
Car Parking 35



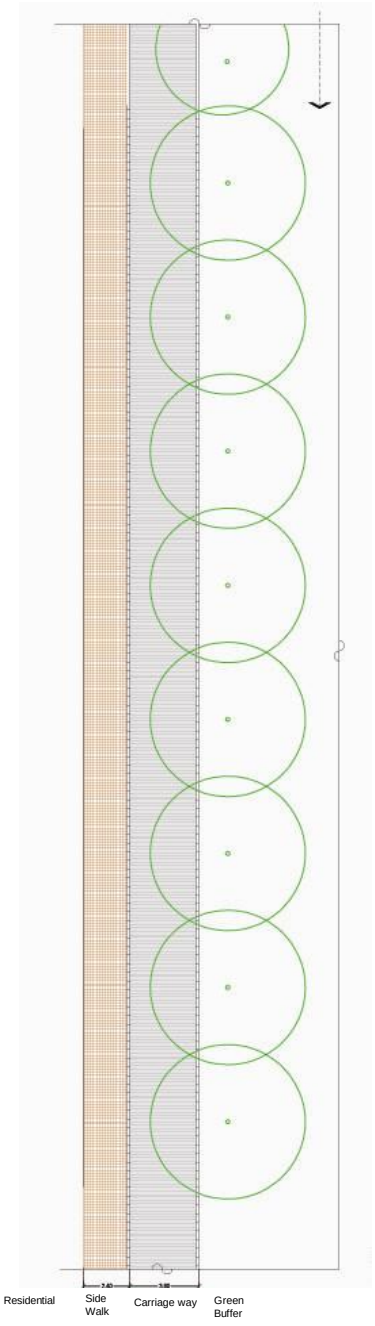
TERTARY ROADS (18 M wide)
Length 65M

OPTION1
Car Parking 13



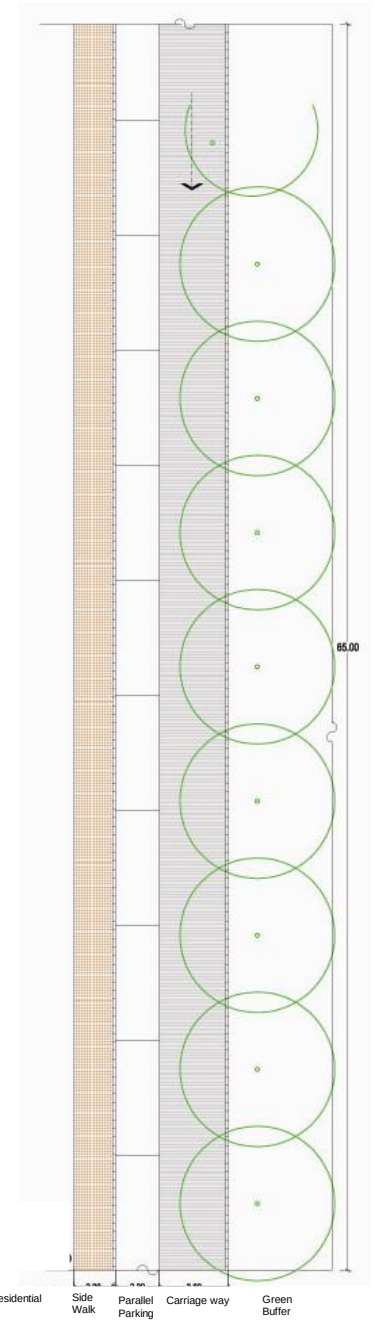
TERTARY ROADS (18 M wide)
Length 65M

OPTION 2
Car Parking 20



SLIP ROADS (6 M wide)
Length 65M

Car Parking 0



SLIP ROADS (8 M wide)
Length 65M

Car Parking 11

