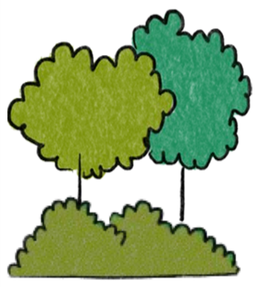
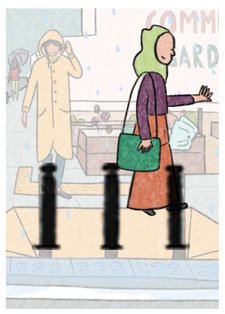
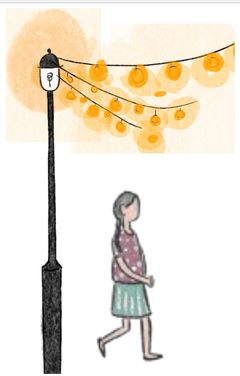
Healthy Streets Design Checklist

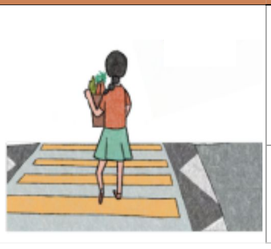
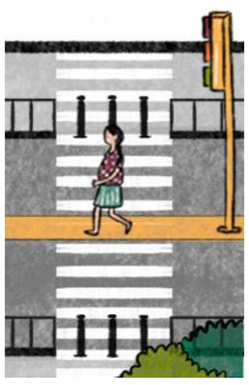
Units are in Metres

The optimal location of street elements.

1	**Footpaths**			
	**Width of footpath zones - based on surrounding land use**	Frontage zone	Walking zone	Multi Utility Zone
	Residential Streets	min. 0.5m	min. 2m	min. 0.5m
	High-intensity pedestrian footfall	min. 1m	min. 4m	min. 2m
	Commercial Streets	min. 0.5m	min. 4m	min. 2m
	Local streets ≤10m RoW	Shared Street with MUZ patches if feasible		
	Kerb height	150mm		
	Footpath gradient for surface runoff	1:50		
	Vehicle Access Ramps	Streets with footpath > or equal to 1.5m width		Streets with footpath <1.5m width
		Slope - 1:8; Width: max.3.5m		Slope - 1:15
	Tactile pavers	To be laid 600mm from the edge of any obstacle		

2	**Carriageway**		
	**Type**	Carriageway Width	
	Single Lane with raised kerbs	3 - 3.5m	
3	**Landscape**		
	Location of trees	In the MUZ	
	Minimum no. of trees per km	Right of Way (m)	Minimum no. of trees/km
		<35	200
		35-45	300
		46-60	500
		61-120	700
	C-C distance between tree trunks	Small trees > 6m; Medium trees > 10m; Large trees > 15m	
	Vertical clearance of trees for safe pedestrian movement	2.4m	
	Height of shrubs planted on medians	1.5m	
	Height of high-branched trees planted on traffic islands	4.5m from the carriageway level	
	Size of tree pits	3.3sqm	
	Height of raised tree pits	Standard seating height	
	Note: Level of the green should be lower than adjacent road level		
4	**Street Furniture**		
4.1	**Seating**		
	**Location of seating**	In the MUZ or frontage	
	Orientation of seating	Streets with wide MUZ (>1.5m)	Streets with narrow MUZ (<1.5m)
		Perpendicular to pedestrian movement	Parallel to pedestrian movement
	Height of seaters	450mm	
	Depth of seaters (excluding backrest)	450mm	
4.2	**Bollards**		
	**Location of bollards**	To be provided at locations where vehicle encroachment is possible—property entrances, pedestrian median refuge, and table-top crossings.	
	Height	0.7m	
	Distance of the bollard from the kerb edge	0.25m	
	Clear width between bollards	0.6m; For wheelchair access - 1m	
	Distance of the bollard from the building edge/property boundary	0.6m	
4.3	**Signage**		
	**Location of signage**	In the MUZ OR 0.25 m from the kerb edge	
	Orientation of signages	Perpendicular to the line of traffic; Left side of the road	
	Height of braille signages	1.4 - 1.6m from the finished footpath level	
	Vertical clearance	min. 2.1m	
4.4	**Street Lights**		
	**Location of street lights**	In the MUZ, frontage or median, based on context	
	Height of light poles	max. 12m	
	Spacing between two light poles	3 x (height of the light poles)	
	Recommended light fixtures	Warm white LEDs	
	Recommended light levels for footpath	25 - 30 lux	

5	**Bus stops**		
	**Location of the bus stop**	<u>Footpaths >4.5m wide</u>	<u>Footpaths <4.5m wide</u>
		In the MUZ	Property edge / Frontage
	Location of bus stop display information	Perpendicular to pedestrian movement	Parallel to pedestrian movement
	Size of a typical bus stop shelter	9m x 2.5m 3m clear height	
	Clear width of waiting space in front of the shelter	1.2m	
	Distance of bus stop from junction	25m from the pedestrian crossing edge	
	Distance of bus stops from parking bay (before and after)	5m	
	No. of ramps - in case the bus stop is not on the same level as the footpath	2 ramps—one for boarding, one for alighting	
6	**Street Vending**		
	**Location of street vending**	In the MUZ	
	Size of a typical vendor space	1.8m x 1.8m	
7	**Above-ground Utilities**		
	**Location of Utility Boxes**	In the MUZ or frontage	
	Location of Manholes	In the MUZ	
8	**On street Parking**		
	Location of on-street parking	In the bulb outs, provided between carriageway and MUZ	
	Location of on-street parking from Major intersection	50m	
	**Location of on-street parking from Minor intersection**	10-20m	
	Location of on-street parking from transit stops	5m before and after	
	Orientation of on-street parking	Parallel parking for 4 wheelers	
		Perpendicular parking for 2-wheelers and cycles	
		Angular parking for narrow streets with high 2-wheeler demand	
	Vehicle Type	<u>Parking bay dimension</u>	
	4 wheeler	2m x 6m	
	2 wheeler and cycle	1m x 2m for perpendicular parking	
		1.2 - 1.5m width of bay for angular parking	
	Auto-rickshaw, e-rickshaw & Cycle-rickshaw	1.5m x 3m	
	Maximum length of on-street parking	30m (5 ECS)	
	Location of on-street EV charging amenities	In the MUZ	
9	**Cycle Tracks**		
	**Location of cycle tracks**	Between the MUZ and Walking Zone OR Between the carriageway and MUZ	
	Buffer between parking and cycle track	0.5m	
	Width	min 2m - one way; min 3m - two way	
	Vertical clearance along cycle tracks	2.4m	
	Height of bollards placed on cycle tracks	0.2 - 0.4m	
	Clear width between the bollards on the cycle tracks	1.2m	

10	**Pedestrian and Cyclist Crossings**	
	**Spacing/Frequency of all pedestrian crossings**	Every 80-150m
	<u>Table Top Crossing</u>	Preferred in locations where speed needs to be reduced to 40-50 kmph
	Location of crossing	At unsignalised crossings
	Width of the crossing	min 2m
	Height of table-top (same as height of footpath)	0.15m
	Slope of table top's vehicular ramps	1:8
	Distance between speed hump and table top	20m
	<u>Zebra Crossing with Pedestrian Ramp</u>	
	Location of crossing	At signalised crossings
	Width of the crossing	min 2m
	Height	same level as carriageway
	Slope of pedestrian ramps from footpath to zebra crossing	1:15
11	**Traffic Calming Measures**	
	**Speed humps**	Preferred in locations where speed needs to be reduced to 25-35kmph
	*Note: Speed humps should be preceded by **rumble strips or cobble stone rumblers, cat-eyes; and signage***	
12	**Median and Pedestrian Refuge**	
	**Location of pedestrian refuge**	Wherever pedestrian crossing is provided
	Pedestrian refuge width in the median	min 1.5m
	Pedestrian refuge length in the median	Width of the crossing (min 2m)
	Median width	1.2m
	Median width gradient towards/away from the pedestrian refuge	1:15 - 1:20
13	**Intersection**	
	**Turning Radius**	max 9m for Bus Route Roads
		max 4m for non-Bus Route Roads
	Height of pedestrian refuge island	150mm - same level as footpath

14	**Public Amenities**				
		<u>Dustbins</u>	**<u>Public Bike Sharing Stations</u>**	**<u>Public Toilets (on street)</u>**	**<u>Play/Gym equipments</u>**
	Location	In the MUZ	Within MUZ if MUZ >2m (or) In Parking Bays if MUZ <2m	Clear distance of 2m footpath to be left	In the MUZ or frontage zone
	Height	0.8m from FFL			
	Spacing	Every 50-75m	Every 300m		Buffer from kerb edge - Min 0.5m

Scan the QR for detailed Healthy Street Design Guidelines

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