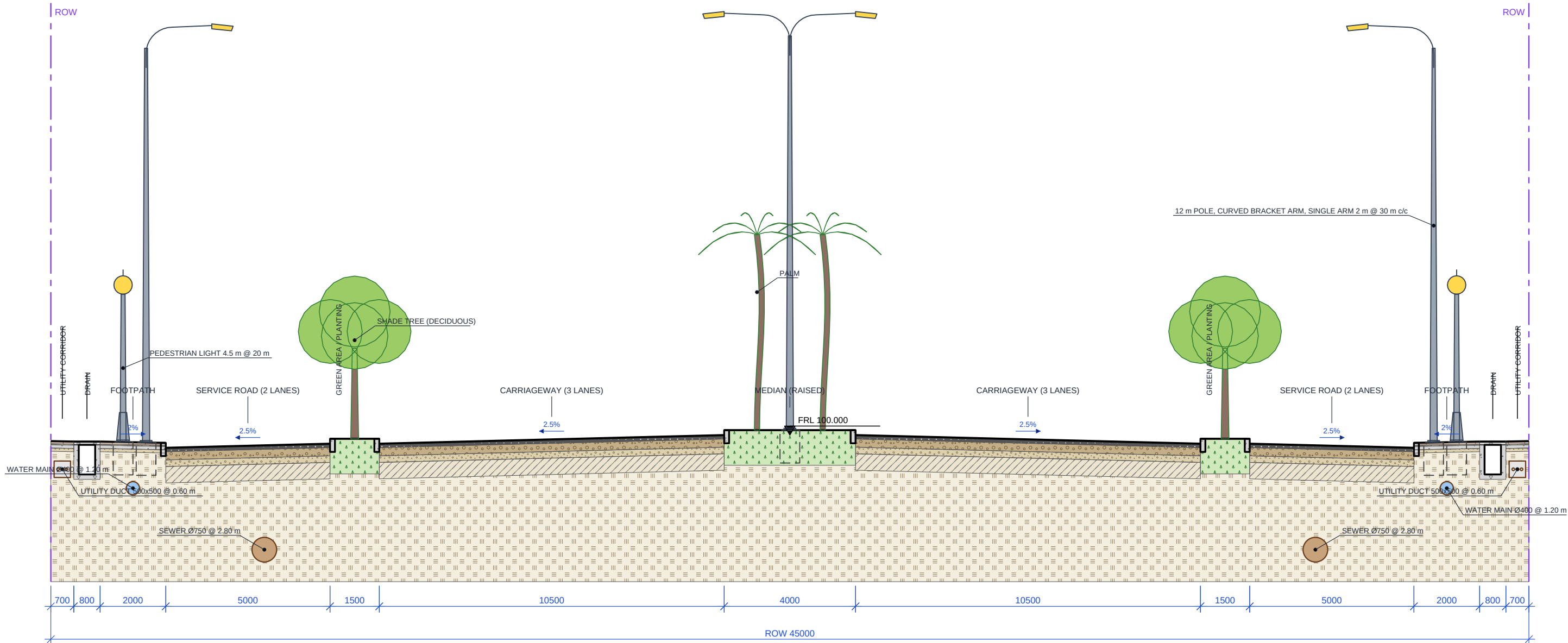
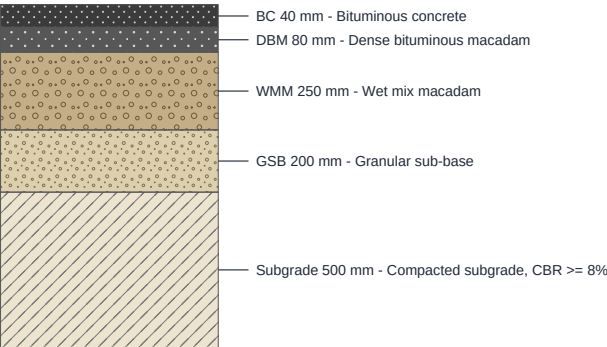




TYPICAL CROSS SECTION
SCALE 1:125

PAVEMENT COMPOSITION (CARRIAGEWAY)

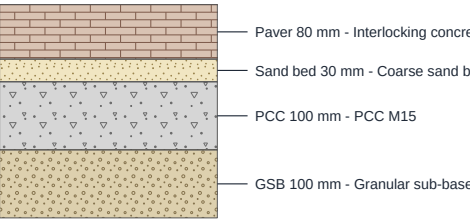


TOTAL 1070 mm

NOTES

- All dimensions in mm, levels in m. Cross slopes in % (arrow shows fall).
- Kerbs 150 mm wide at every level step; drains RCC M25, walls 150 mm.
- Utility depths are to the top of pipe / duct below finished surface.
- Verify with IRC 86 / IRC SP 73 / IRC SP 84 and local authority requirements.

FOOTPATH / CYCLE TRACK



TOTAL 310 mm

LEGEND - MATERIALS



Road cross-section | IRC 86 / IRC SP 73 / IRC SP 84 / IRC 37 | Generated by nxstructural

BOULEVARD, 45 M ROW (WIDE MEDIAN, SERVICE ROADS, PALMS)

TYPICAL ROAD CROSS SECTION

BASED ON

Boulevard, 45 m ROW (wide median, service roads, palms)

SECTION	FRL	SCALE	UNITS	SHEET
SYMMETRIC	100.000	1:125	mm / m	1 of 2

QUANTITIES PER KILOMETRE OF ROAD

GROUP	ITEM	UNIT	QUANTITY / km
Pavement	BC 40 mm - Bituminous concrete	m³	1,240.0
Pavement	DBM 80 mm - Dense bituminous macadam	m³	2,480.0
Pavement	WMM 250 mm - Wet mix macadam	m³	7,750.0
Pavement	GSB 200 mm - Granular sub-base	m³	6,200.0
Pavement	Subgrade 500 mm - Compacted subgrade, CBR >= 8%	m³	15,500.0
Footpath / cycle track	Paver 80 mm - Interlocking concrete paver block M35	m³	432.0
Footpath / cycle track	Sand bed 30 mm - Coarse sand bedding	m³	162.0
Footpath / cycle track	PCC 100 mm - PCC M15	m³	540.0
Footpath / cycle track	GSB 100 mm - Granular sub-base	m³	540.0
Surface area	Carriageway	m²	21,000.0
Surface area	Service road	m²	10,000.0
Surface area	Footpath	m²	4,000.0
Surface area	Median (raised)	m²	4,000.0
Surface area	Green area / planting	m²	3,000.0
Surface area	Utility corridor	m²	1,400.0
Kerbs	Precast kerb (each kerb line)	m	8,000.0
Drains	covered RCC drain 800 wide x 1000 deep	m	1,000.0
Drains	covered RCC drain 800 wide x 1000 deep	m	1,000.0
Utilities	Sewer Ø750 at offset +16.00 m	m	1,000.0
Utilities	Sewer Ø750 at offset -16.00 m	m	1,000.0
Utilities	Water main Ø400 at offset +20.00 m	m	1,000.0
Utilities	Water main Ø400 at offset -20.00 m	m	1,000.0
Utilities	Utility duct 500 x 500 at offset +22.15 m	m	1,000.0
Utilities	Utility duct 500 x 500 at offset -22.15 m	m	1,000.0
Landscaping	Shade tree (deciduous) in green area / planting	nos	252.0
Landscaping	Palm in median (raised)	nos	101.0
Street lighting	Curved bracket arm (conventional) poles 12 m (median twin-arm + both sides, 30 m c/c)	nos	102.0
Street lighting	Luminaires	nos	136.0
Street lighting	Pedestrian post-top lights 4.5 m @ 20 m	nos	102.0

SECTION SUMMARY

Right of way 45.00 m
Carriageway width 31.00 m
Pavement thickness 1070 mm
Utilities 6 nos, street-light poles 3 per section

Road cross-section | IRC 86 / IRC SP 73 / IRC SP 84 / IRC 37 | Generated by nxstructural

BOULEVARD, 45 M ROW (WIDE MEDIAN, SERVICE ROADS, PALMS)				
ROAD SECTION QUANTITIES				
BASED ON				
Boulevard, 45 m ROW (wide median, service roads, palms)				
SECTION	FRL	SCALE	UNITS	SHEET
SYMMETRIC	100.000	NTS	mm / m	2 of 2