

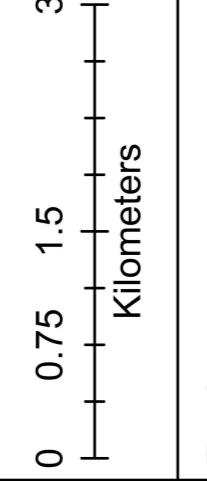
Legend

	Planning Area
	Municipal Area
	Revenue Villages
	Roads
	Railway Line
	Residential
	Commercial
	Public Semi Public
	Industrial
	Open Spaces
	Water Bodies
	Vacant Land
	Agriculture

Land use, 2021:

Sl. No.	Land Use	Municipal/Area	Planning Area
1	Residential	3.80	58.27
2	Commercial	0.34	6.30
3	Public-Semi-Public	0.80	12.60
4	Transportation	1.09	17.17
5	Industrial	0.12	1.89
6	Parks and Playground	0.24	3.78
7	Agriculture	6.30	-
8	Water Bodies	0.06	0.09
9	Vacant Land	2.20	2.20
Total		14.91	123.00

Scale:



Project:

Master Plan of
North Lakhimpur, 2041

Sponsored by:

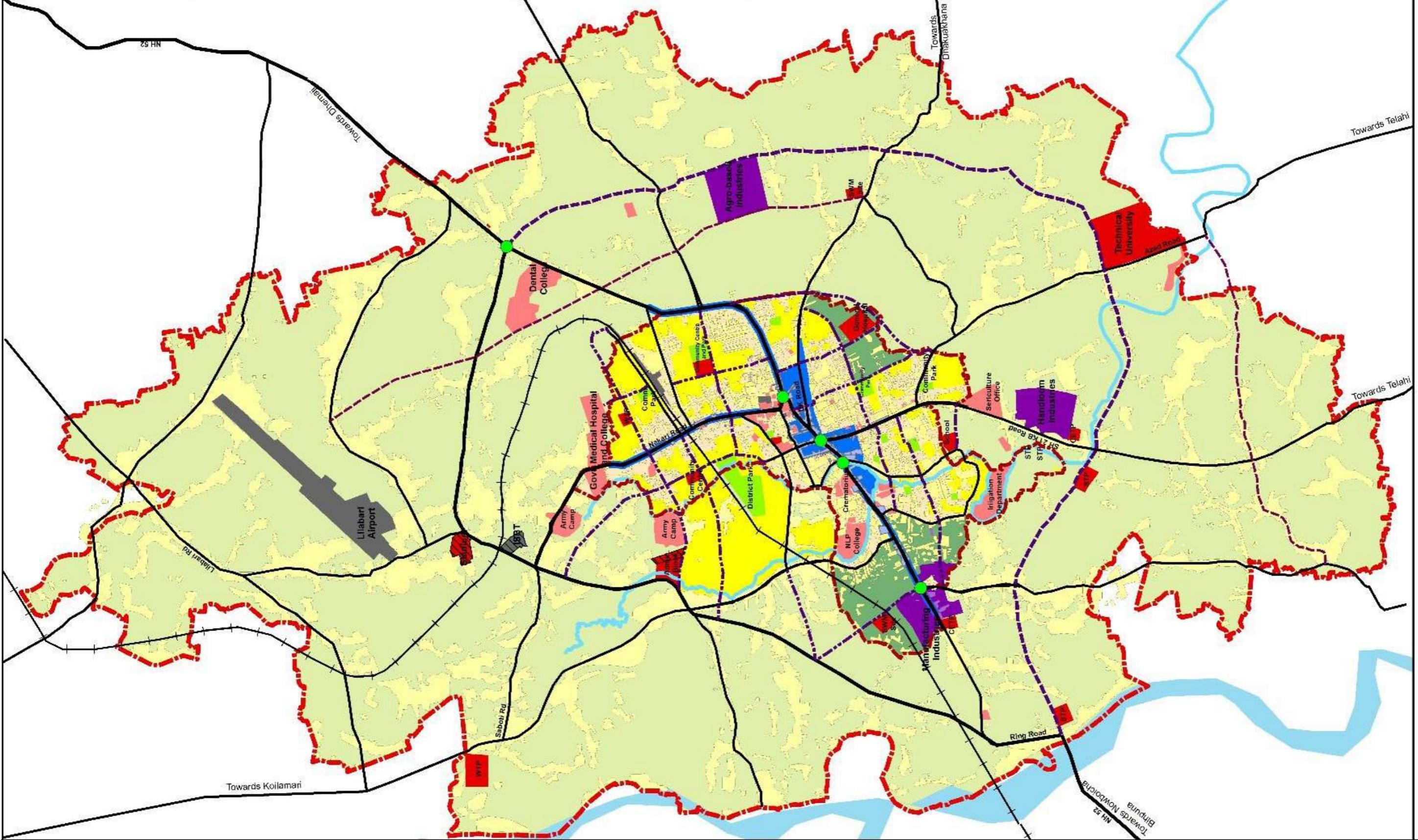
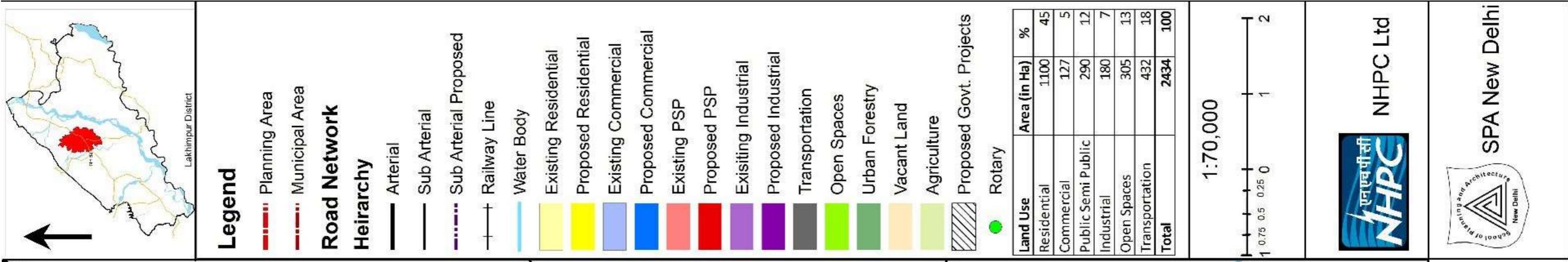


Existing Land Use
North Lakhimpur Planning Area, 2021

Prepared by:



SPA Delhi



Proposed Land Use, 2041
North Lakimpur Planning Area



Legend

- Planning Area
- Municipal Area
- Railway Line
- Road Network Hierarchy**
 - Arterial
 - Sub Arterial
 - Sub Arterial Proposed
- Water Body
- Existing Residential
- Proposed Residential
- Existing Commercial
- Proposed PSP
- Proposed Residential
- Existing Industrial
- Proposed Industrial
- Existing PSP
- Proposed PSP
- Proposed Commercial
- Transportation
- Open Spaces
- Urban Forestry
- Vacant Land
- Agriculture

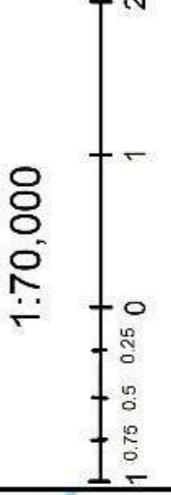
Drainage Network

- Drainage Main
- Drainage Sub-Main

Rainfall Intensity = 4.38 mm/hr

Storm water runoff, $Q = C \times I \times A$
Taking C as 0.75 for built-up spaces
and 0.45 for open spaces, as
4.38 mm/hr and A as 21.3 sq km for
built-up and 101.7 sq km for open
spaces.

Peak Storm Water Discharge,
 $Q = 2,70,420 \text{ cum/hr}$
Considering storage capacity for 15 minutes,
the drainage system should be designed for
a volume of 67,605.3 cum.

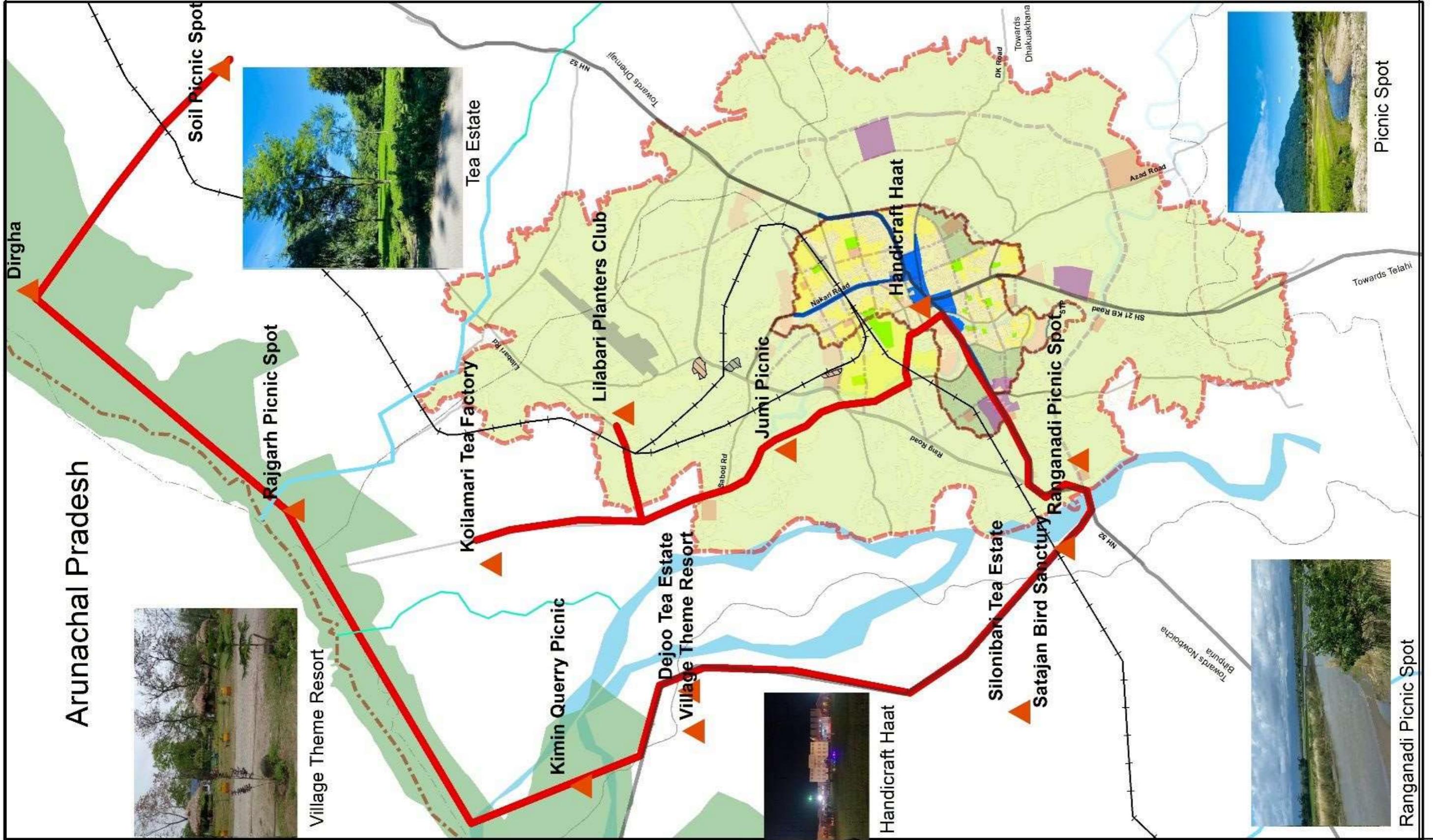
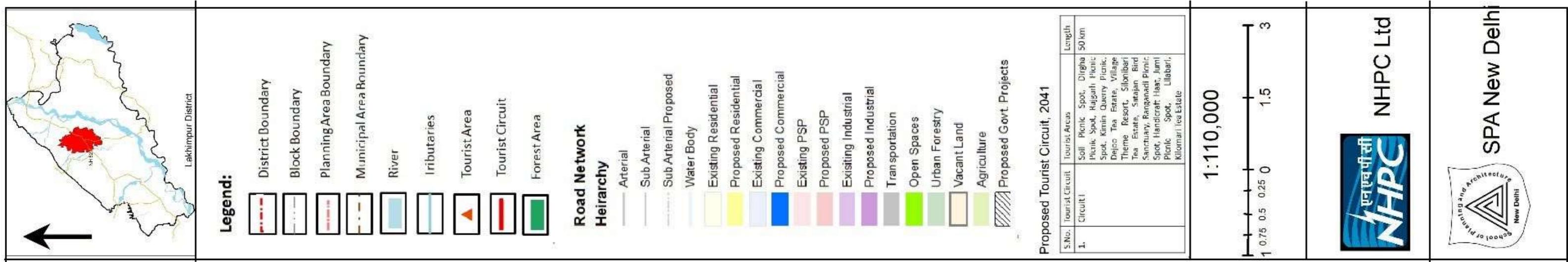


Proposed Drainage Network, 2041

North Lakimpur Planning Area

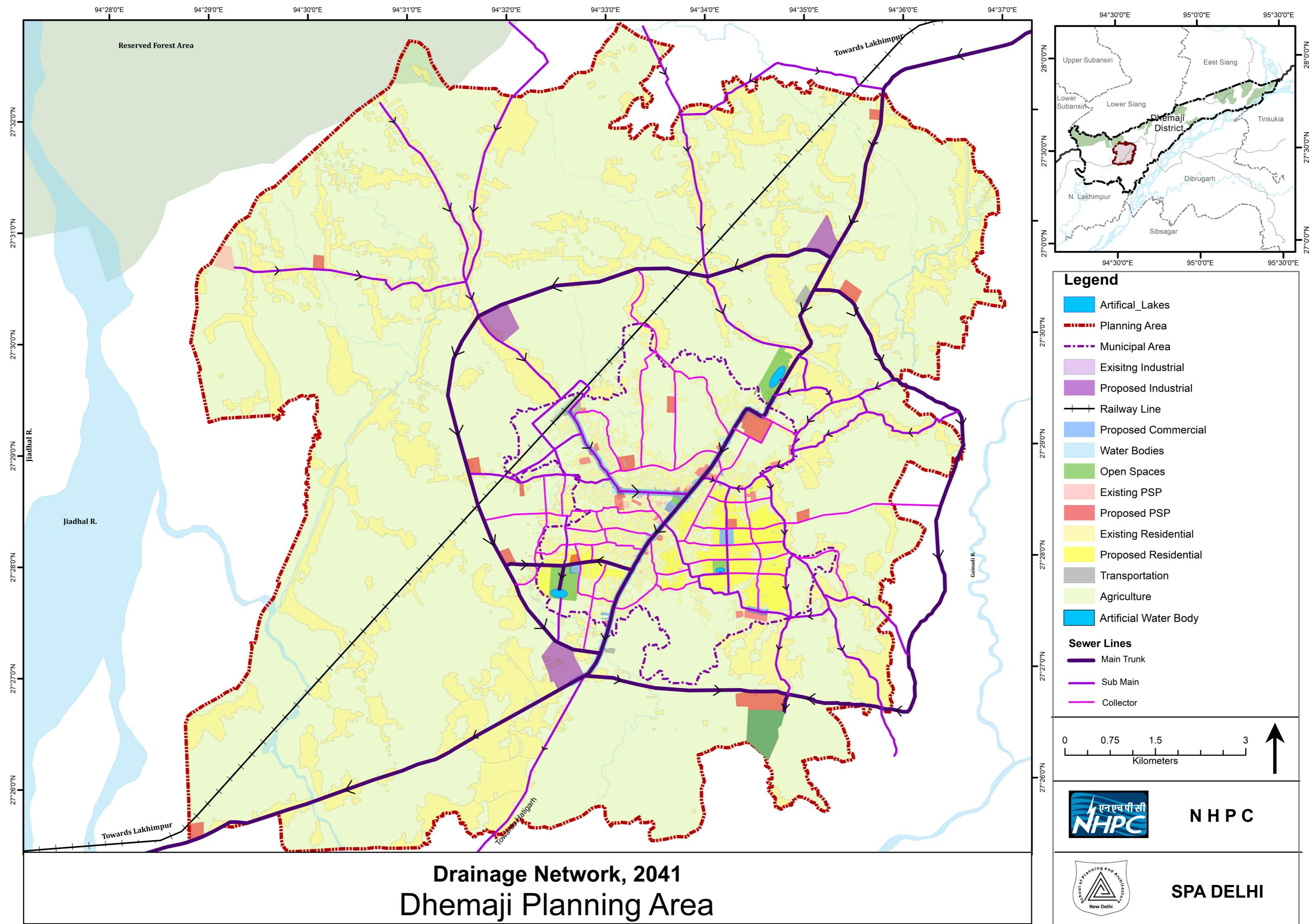


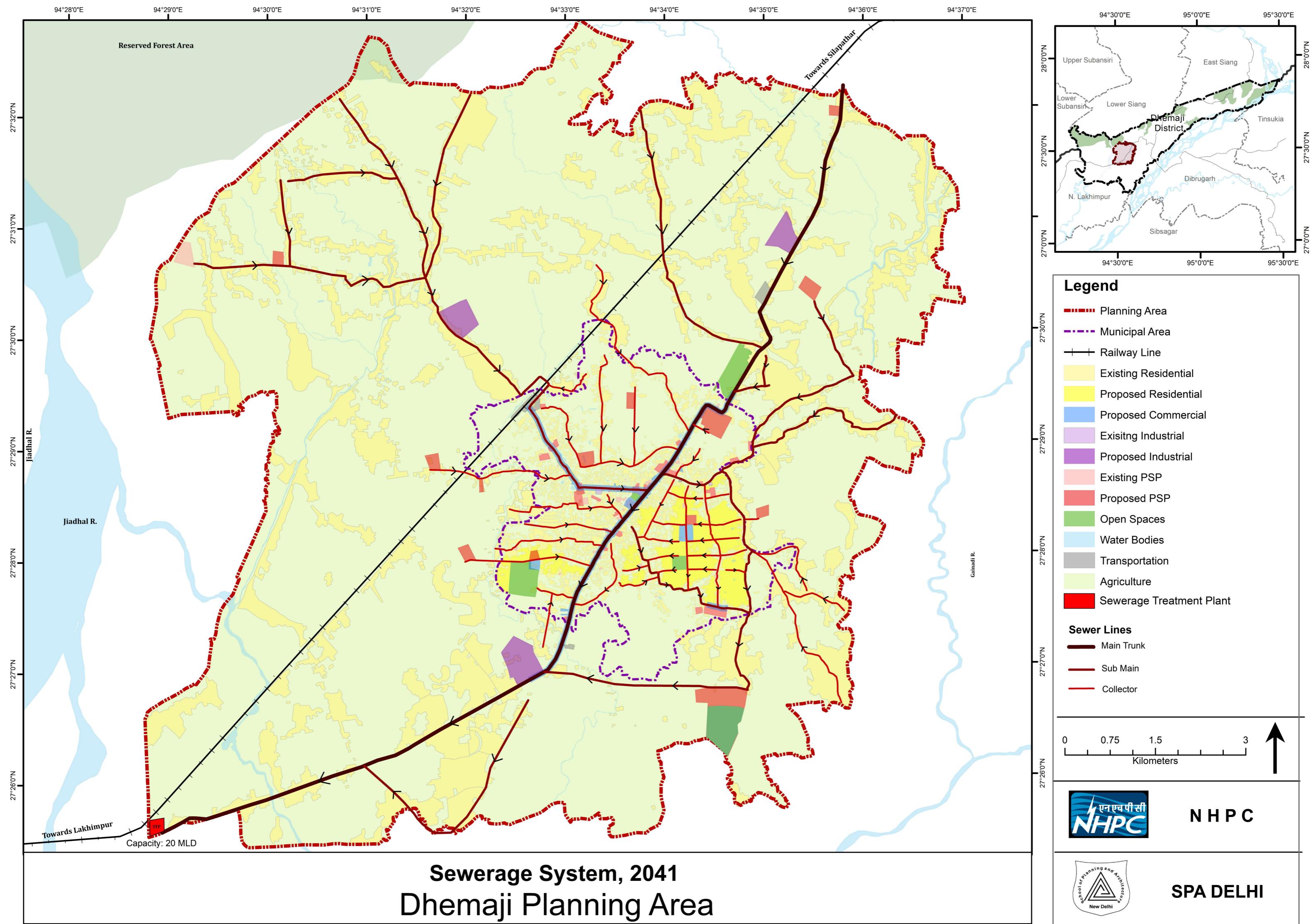
SPA New Delhi

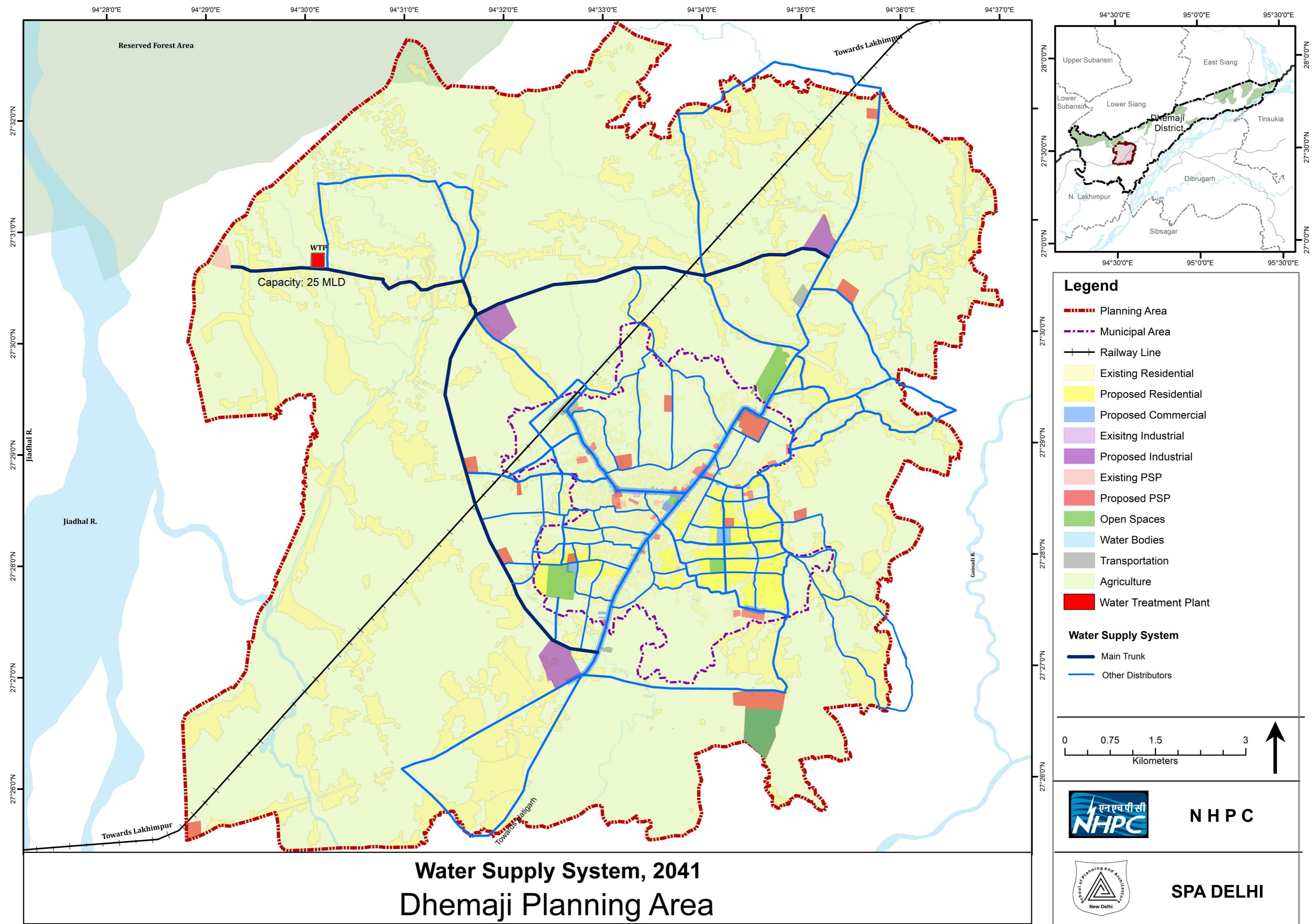


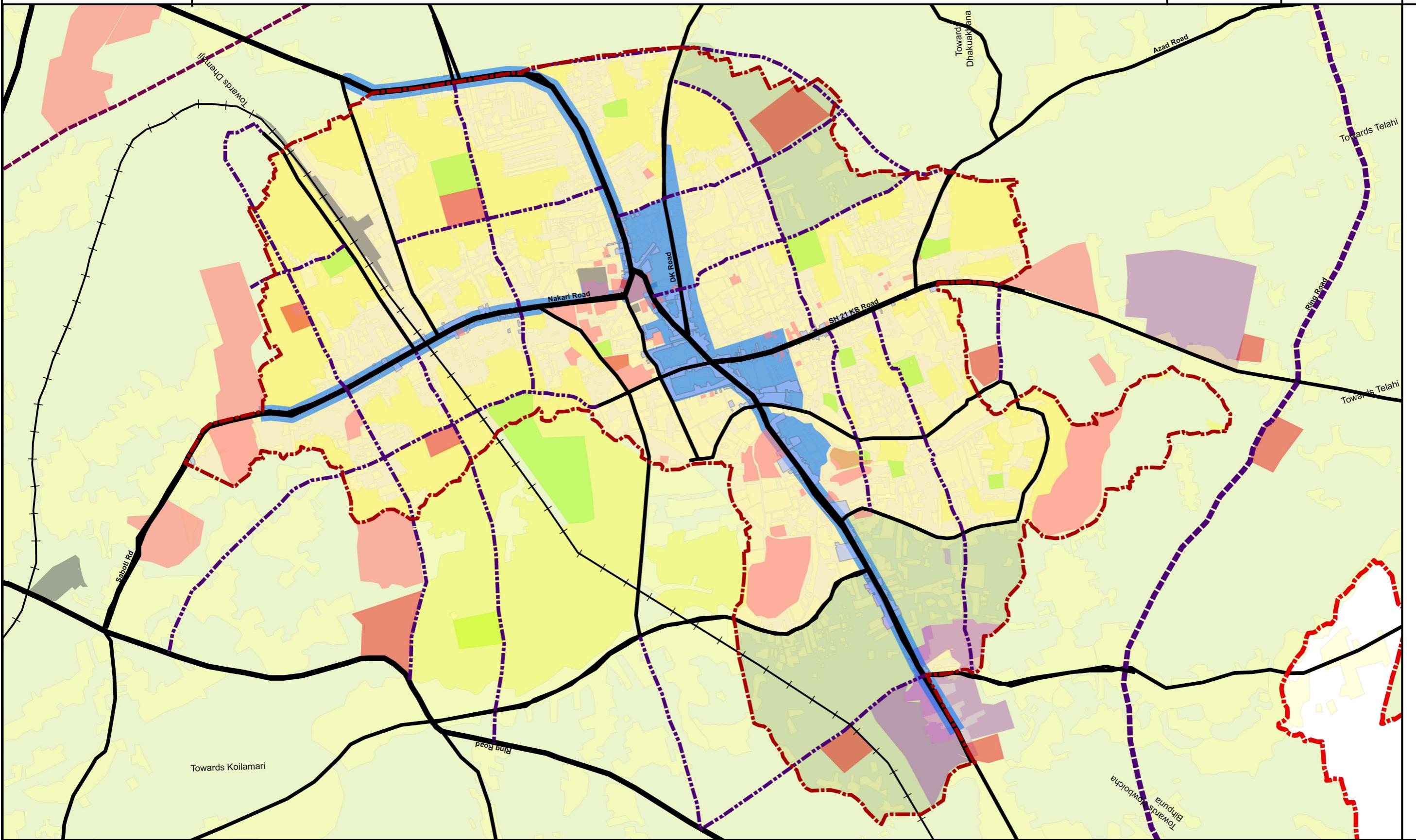
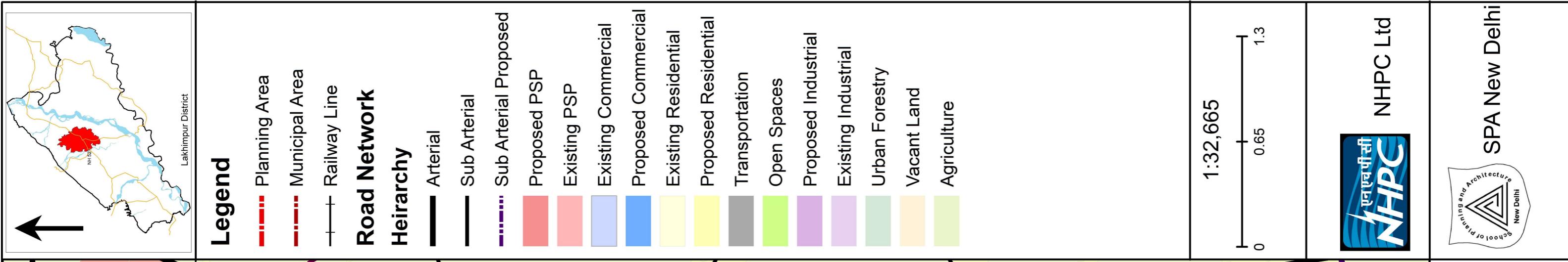
Proposed Tourism Circuit, 2041

North Lakhimpur Planning Area









Proposed Road Network, 2041
North Lakhimpur Municipal Area