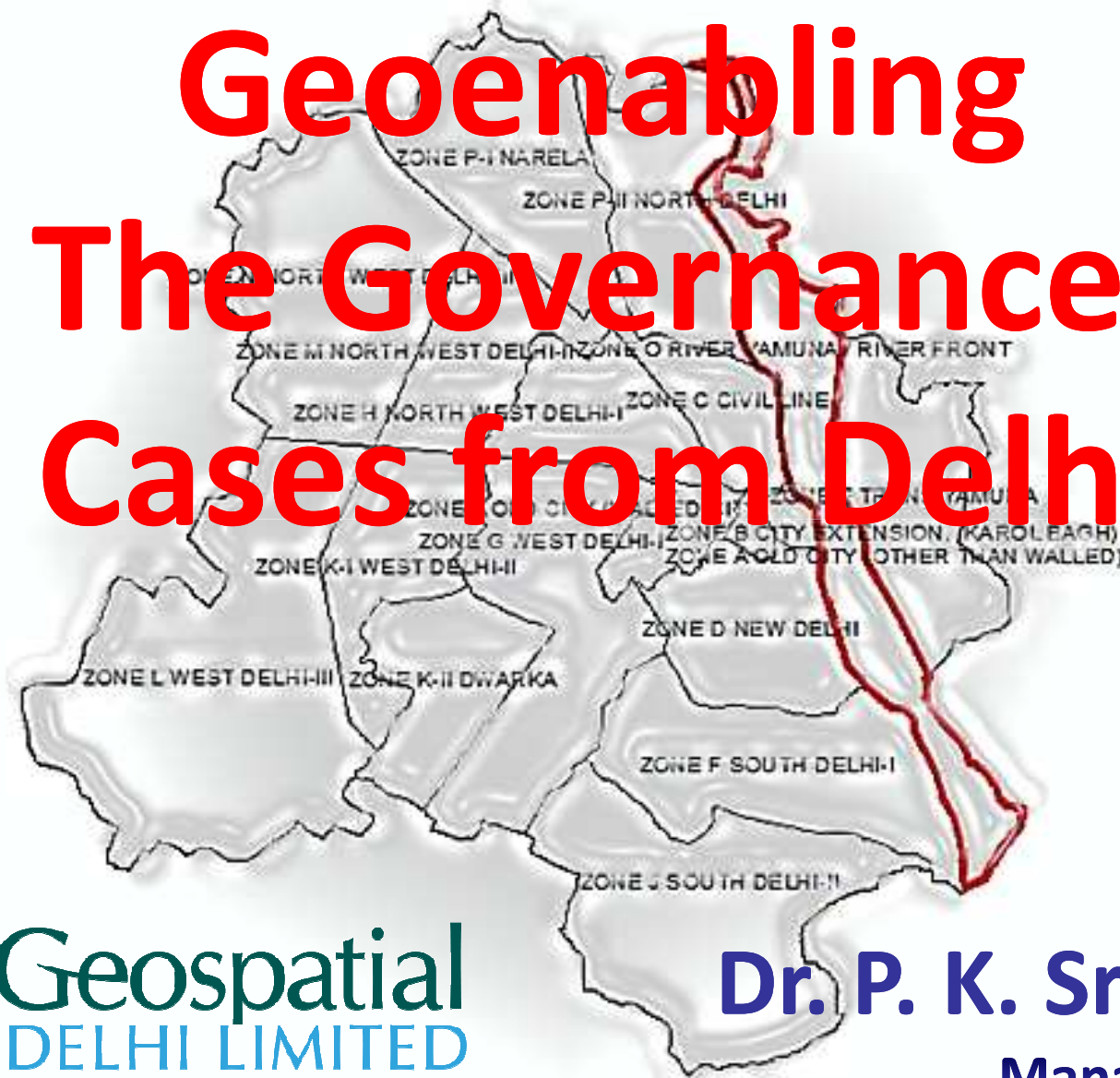


# Geoenabling The Governance: Cases from Delhi



**Geospatial  
DELHI LIMITED**  
(A Govt. of NCT of Delhi Company)

**Dr. P. K. Srivastava**  
Managing Director



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**Governance is the act of governing.** It relates to the decisions that **defines expectations, grant power, or verify performance.**

*Source: Wikipedia*

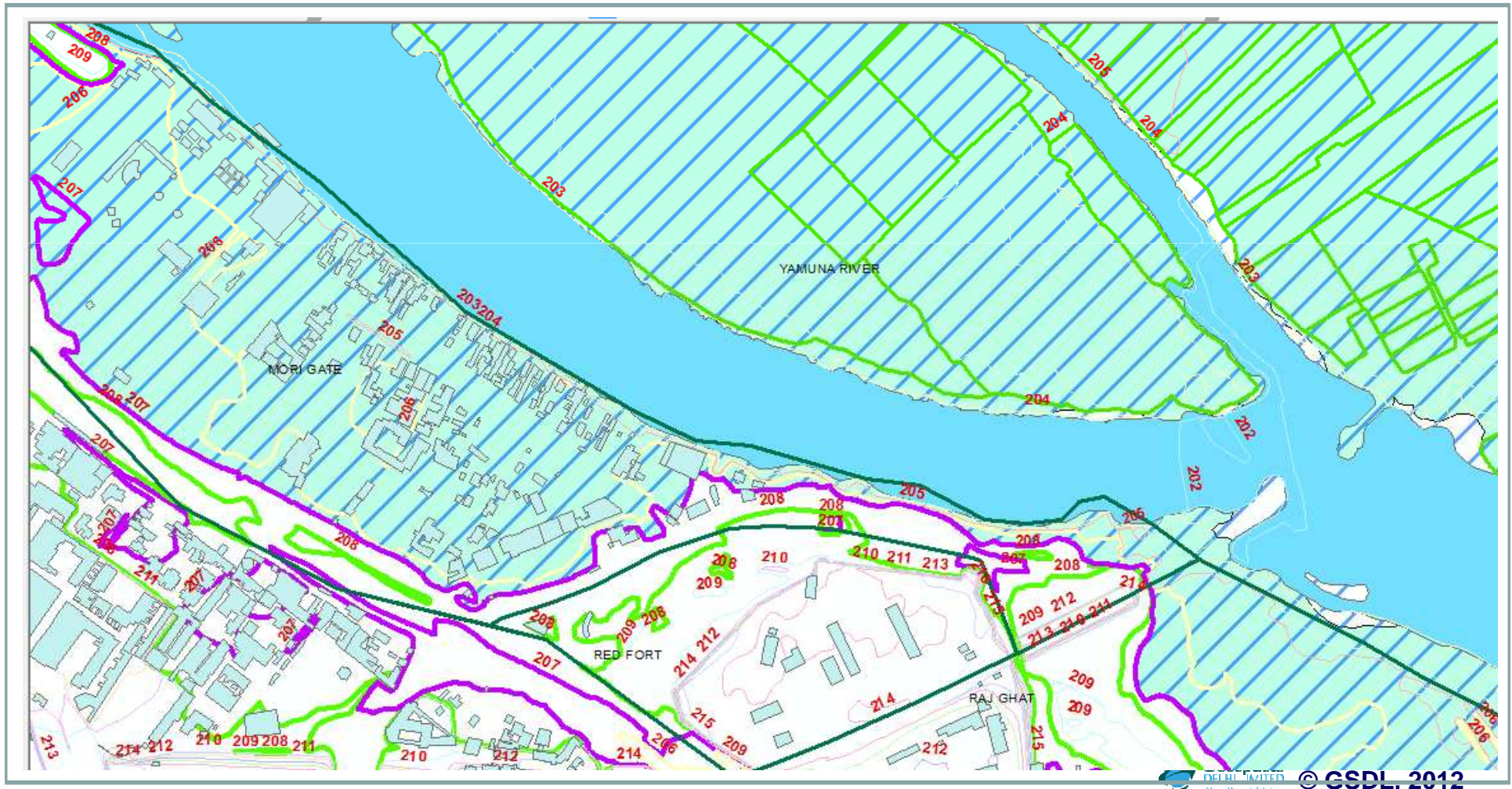
## **Governance is about**

- Informed Planning
- Timely Regulations
- Monitoring and Assessing
- Taxation
- Development

This presentation attempts to bring out cases of utilization of Spatial Data Infrastructure (Digitized State) in aspects of the Governance

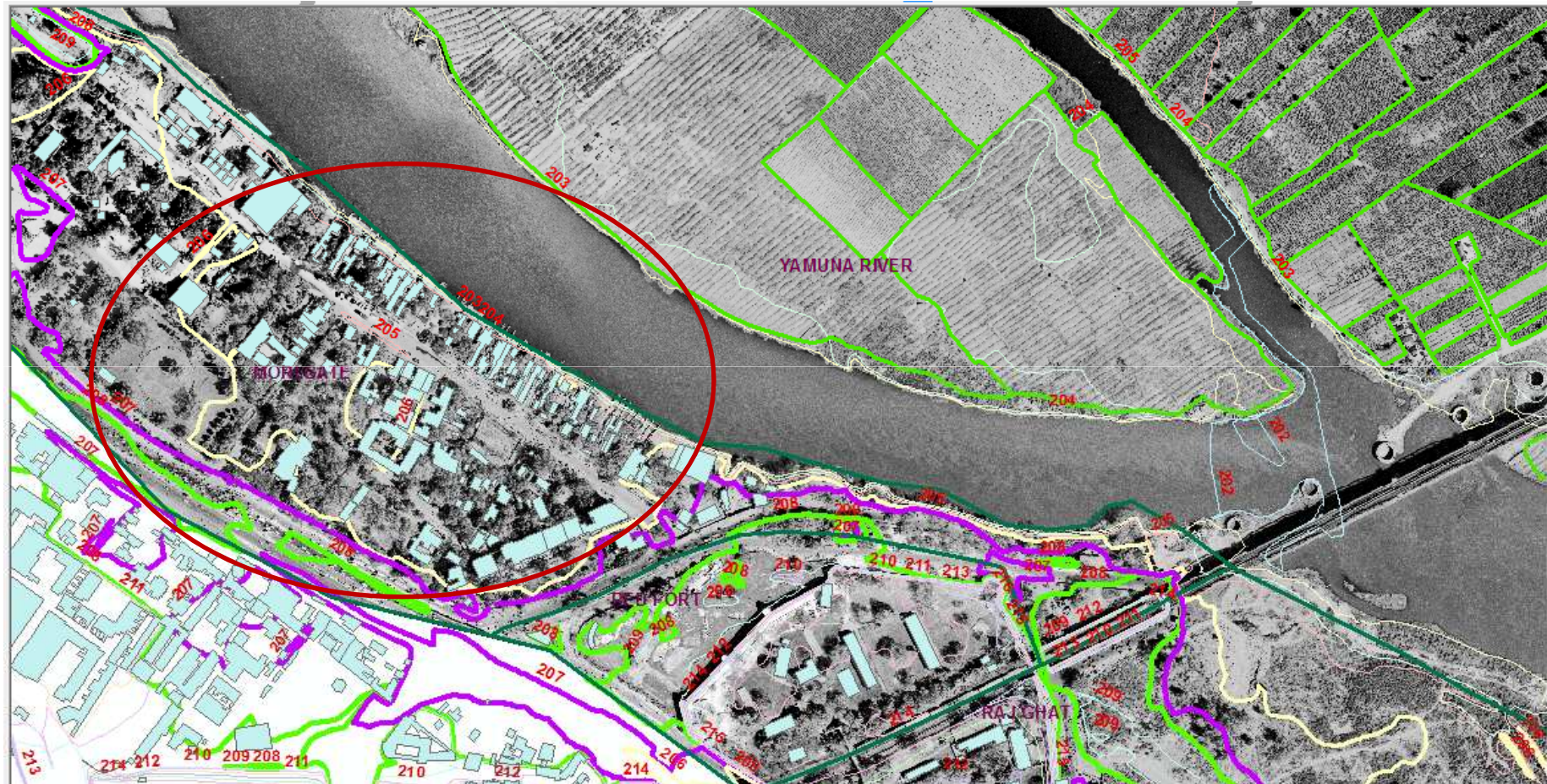
# Flood Level Demarcation

The highest flood level recorded in river Yamuna was 207.49 m in 1978 and 207.11 m in 2010.



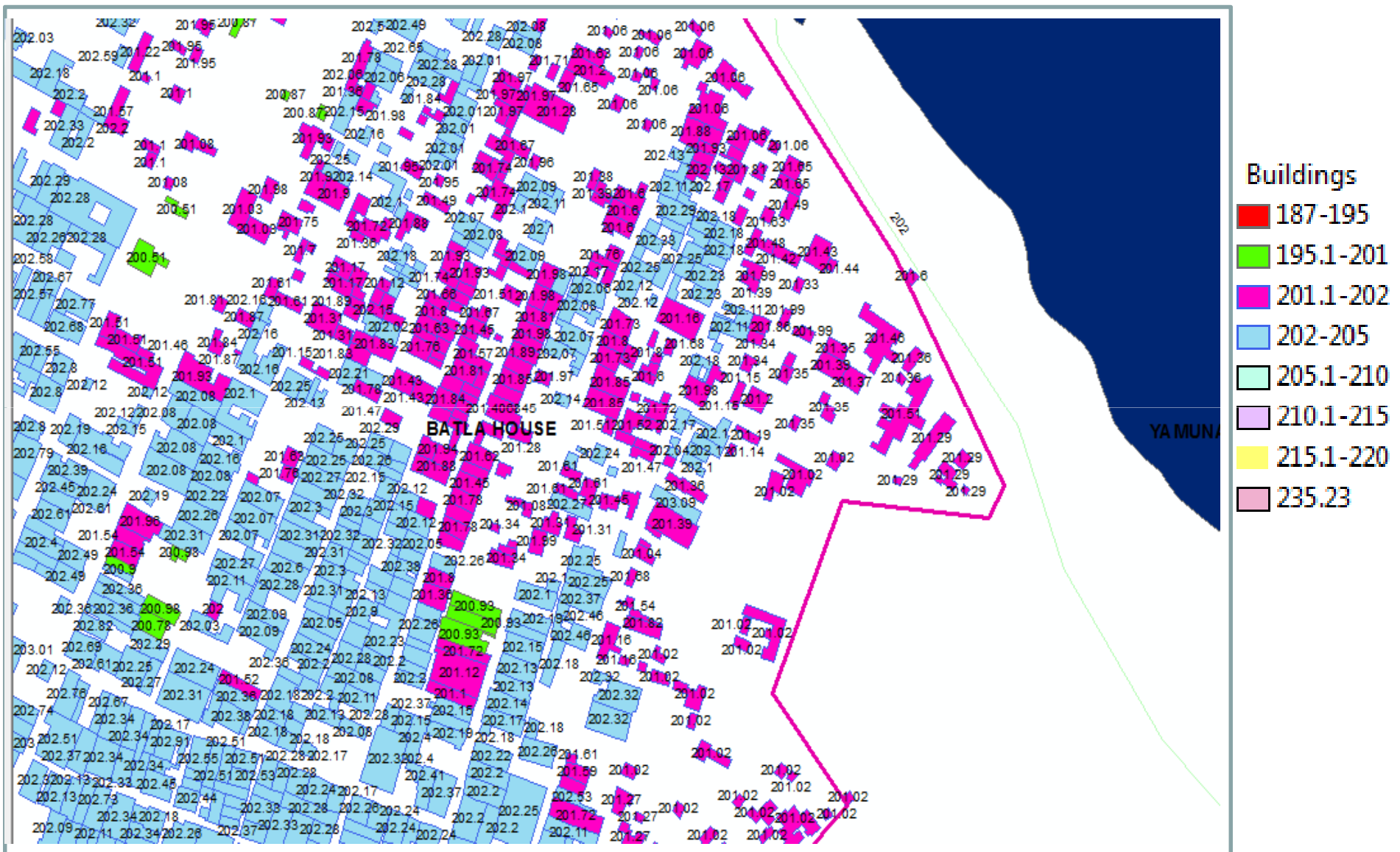


# Buildings falling in Flood Plane

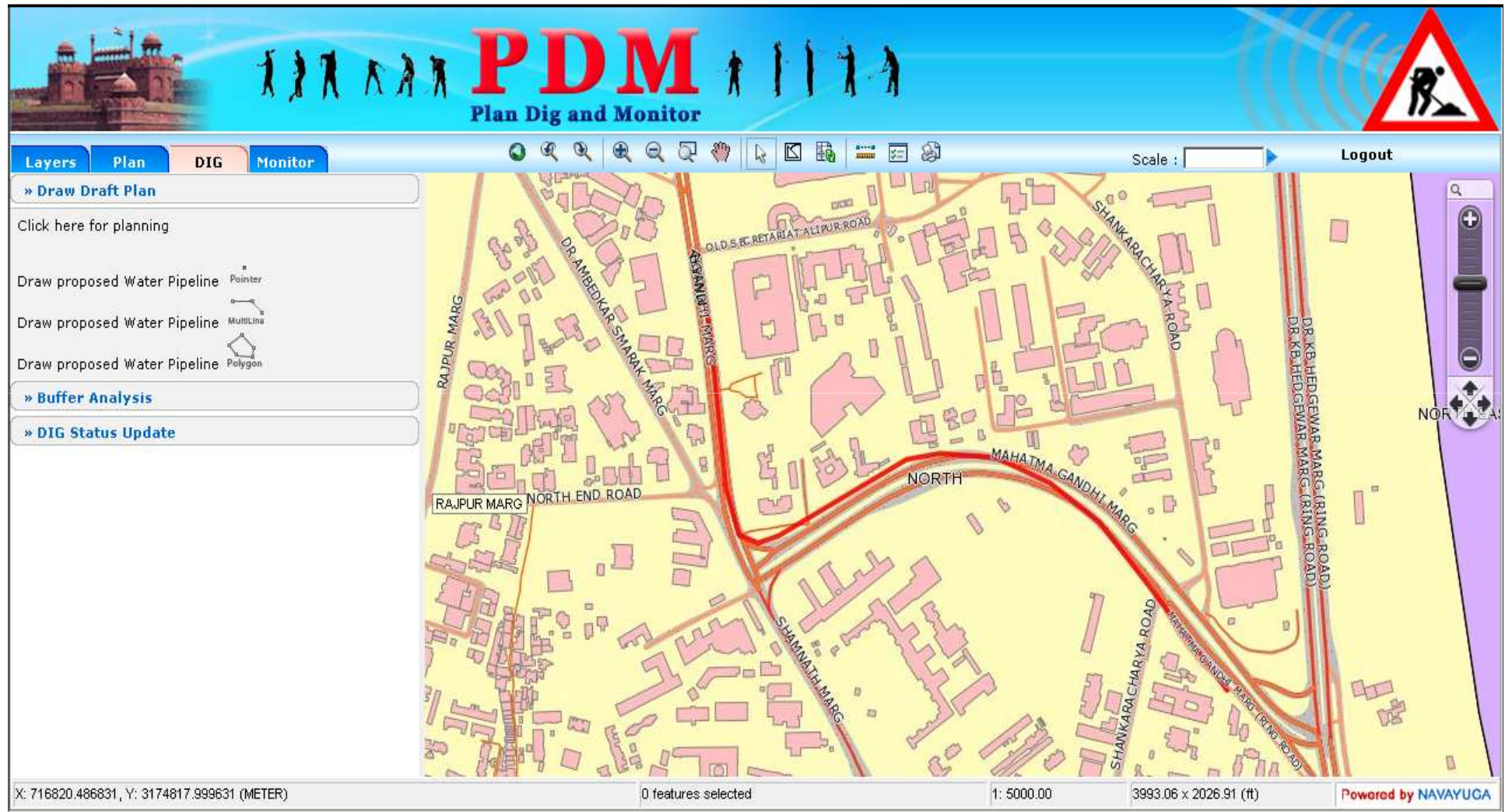





## Low – Lying Building Along the River



# PDM: for coordinated Excavations



# PDM: SAFE DIG REPORT

SAFE DIG REPORT				
Safe Dig Ticket No:	IGL110412002	Barcode:		
Requested By:	gsdadmin	Department:	IGL	
Address:	ASDFasfckyt	Contact Number:	011-33333333	
Contractor:	iglcontractor	Mobile No:	9999999999	
Project Name:	IGLEXTN02	Work Order No:	WOIGL2012	
Reason for DIg:	Diversion	Digging Depth:	3	
Area Information:		Road Intersection:	GHONDA MARG, ATUL M	
Date of Commencement:	4/10/2012 12:00:00 AM	Proposed End Date:	4/13/2012 12:00:00 AM	




  

Department Name	Utility Name	Material Type	Diameter	Depth
DJB	Water Pipe Line	CI	0.30	-1.20
IGL	Gas Pipe Line	MDPE	0.0630	-1.50
IGL	Gas Pipe Line	MDPE	0.0630	-1.50
DJB	Trunck Sewer Line	RCC PIPE NP4	0.45	-1.70
DJB	Trunck Sewer Line	RCC PIPE NP4	0.45	-1.70
DJB	Trunck Sewer Line	RCC PIPE NP4	0.45	-1.70
DJB	Trunck Sewer Line	RCC COLLER PIPE	0.90	-2.10

7 of 7

## SITE MAP

### LEGEND

-  IGL GAS PIPE LINE
-  DJB WATER PIPE LINE
-  PROPOSED DIGGING

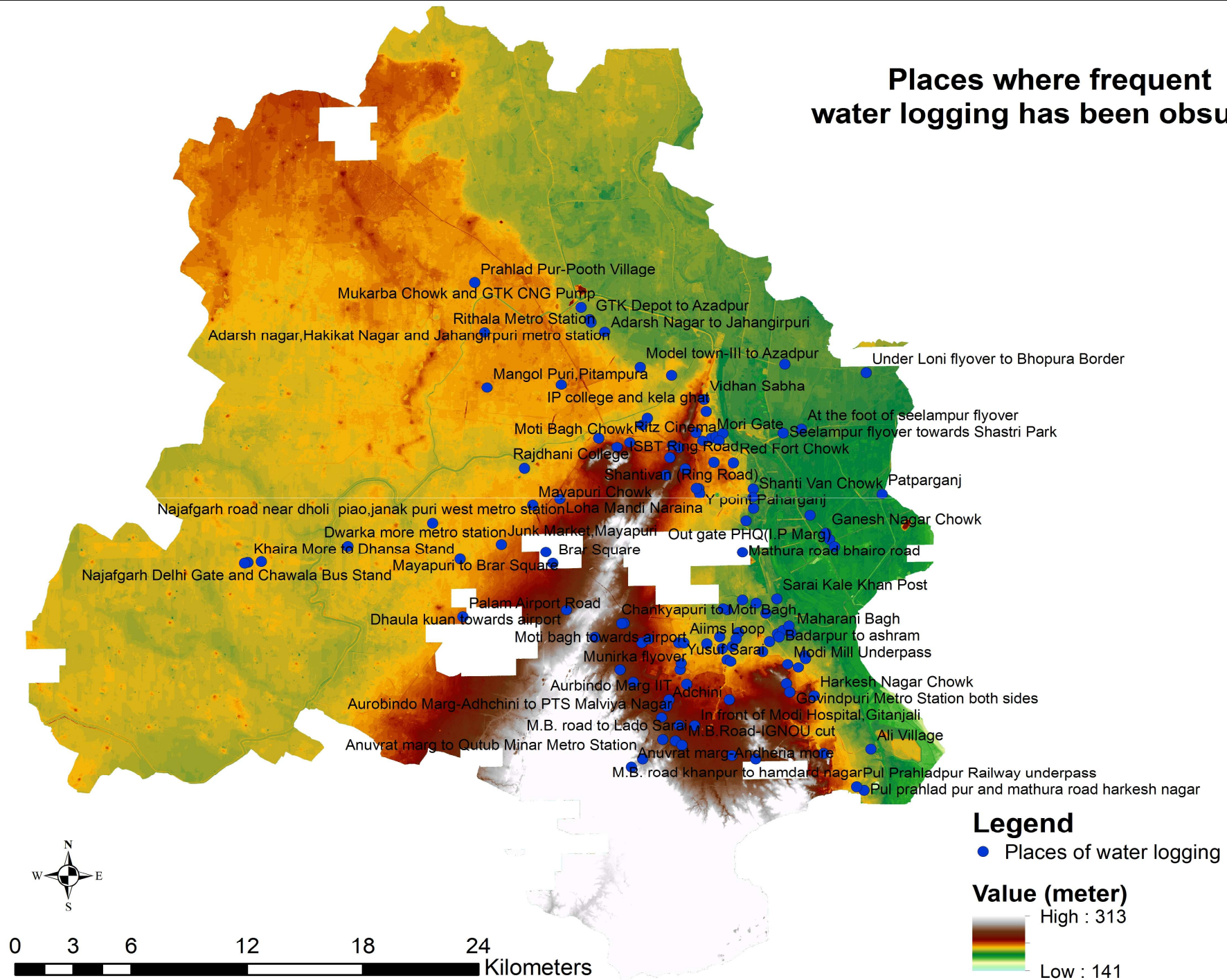






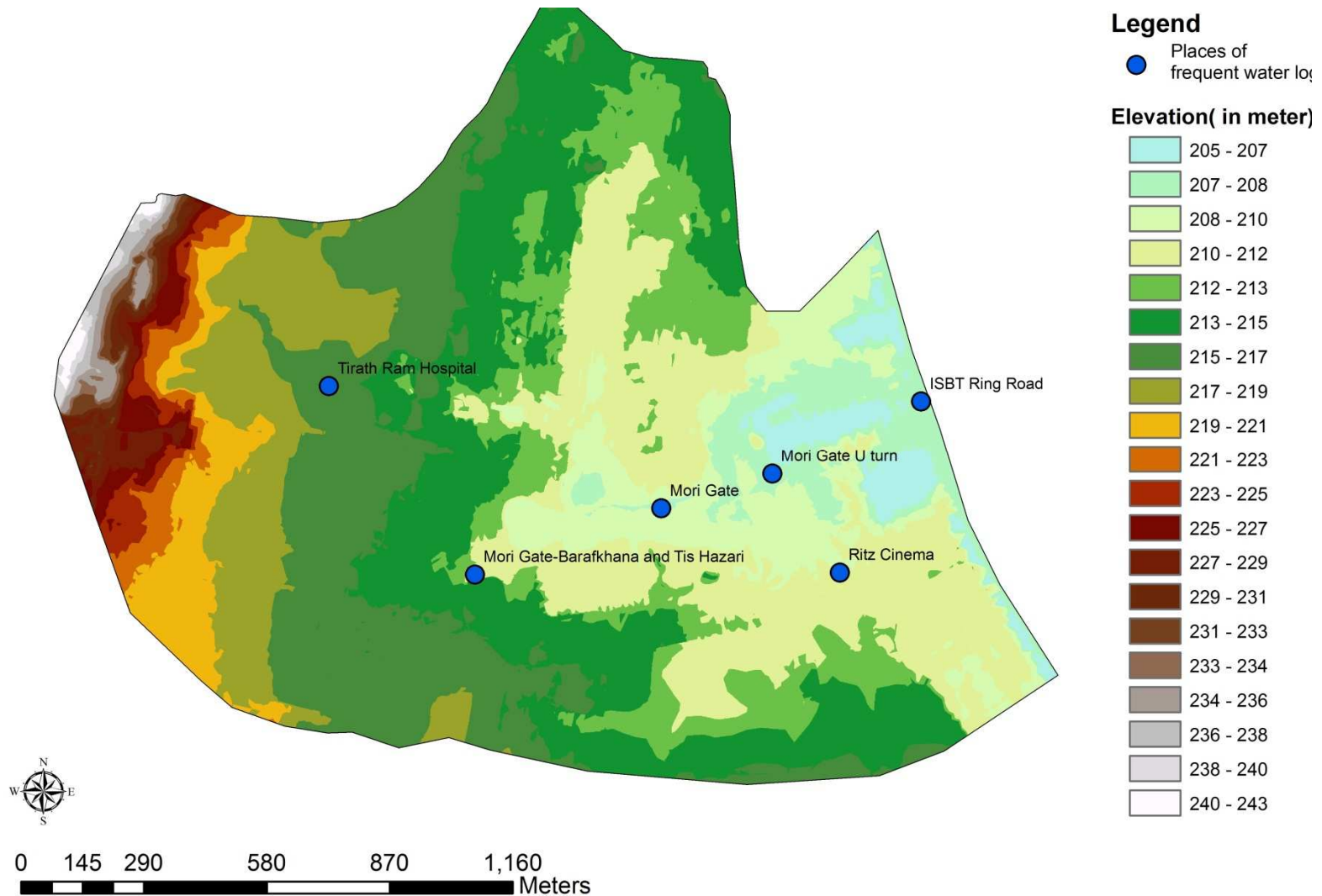
# Perpetual Water Logging in Delhi

## Places where frequent water logging has been observed

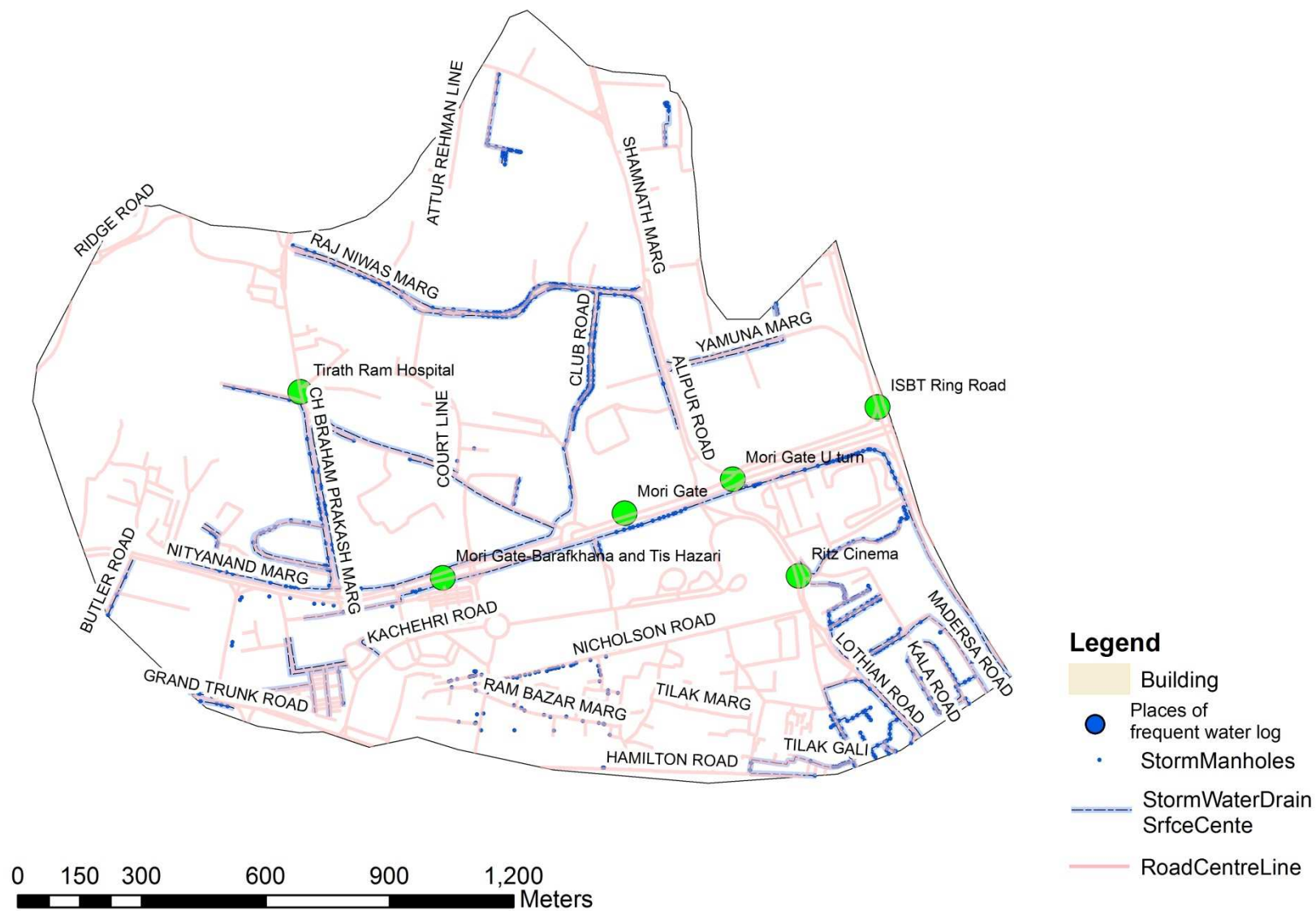




# CHRONIC WATER LOGGING

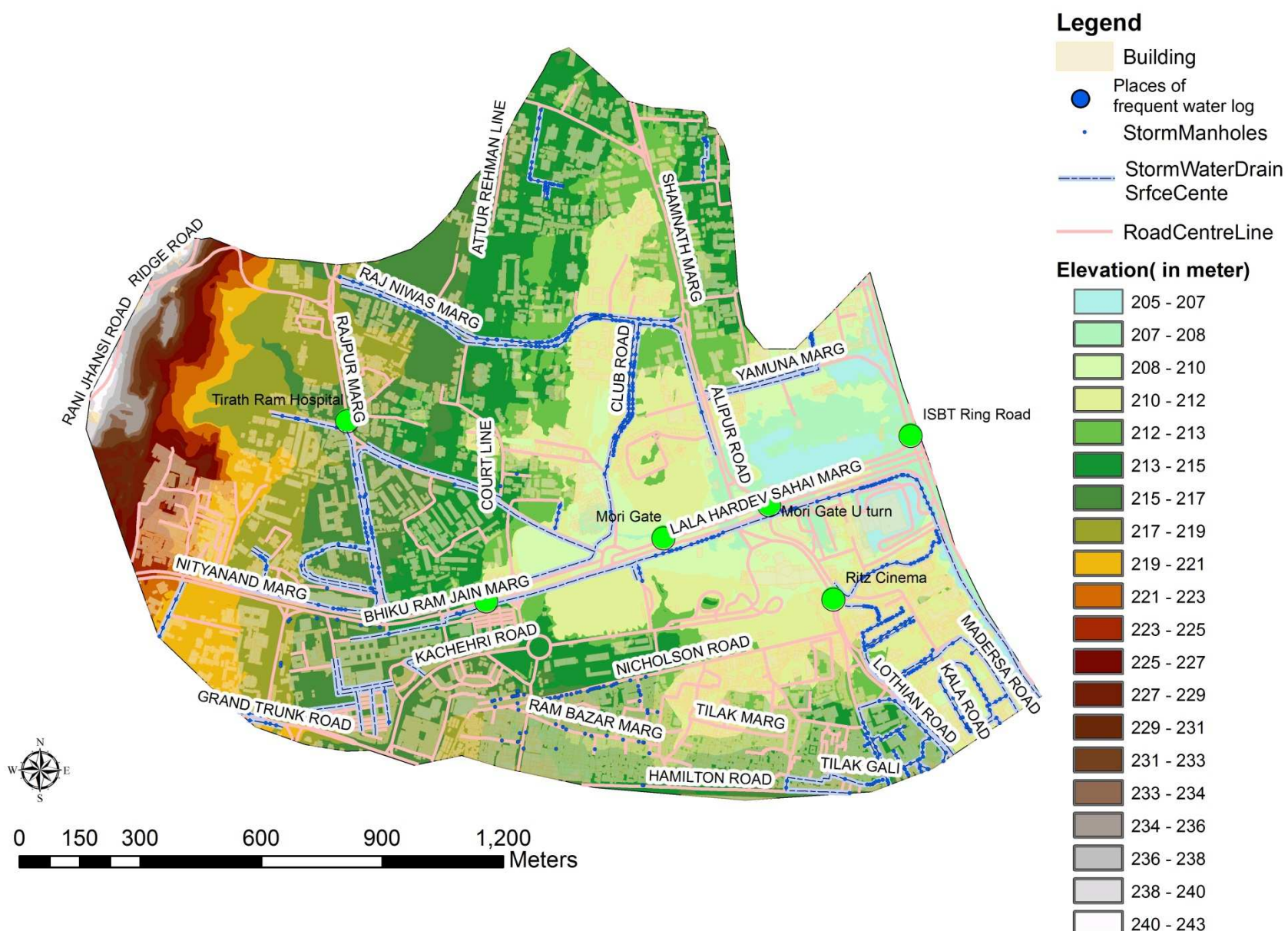


# CHRONIC WATER LOGGING

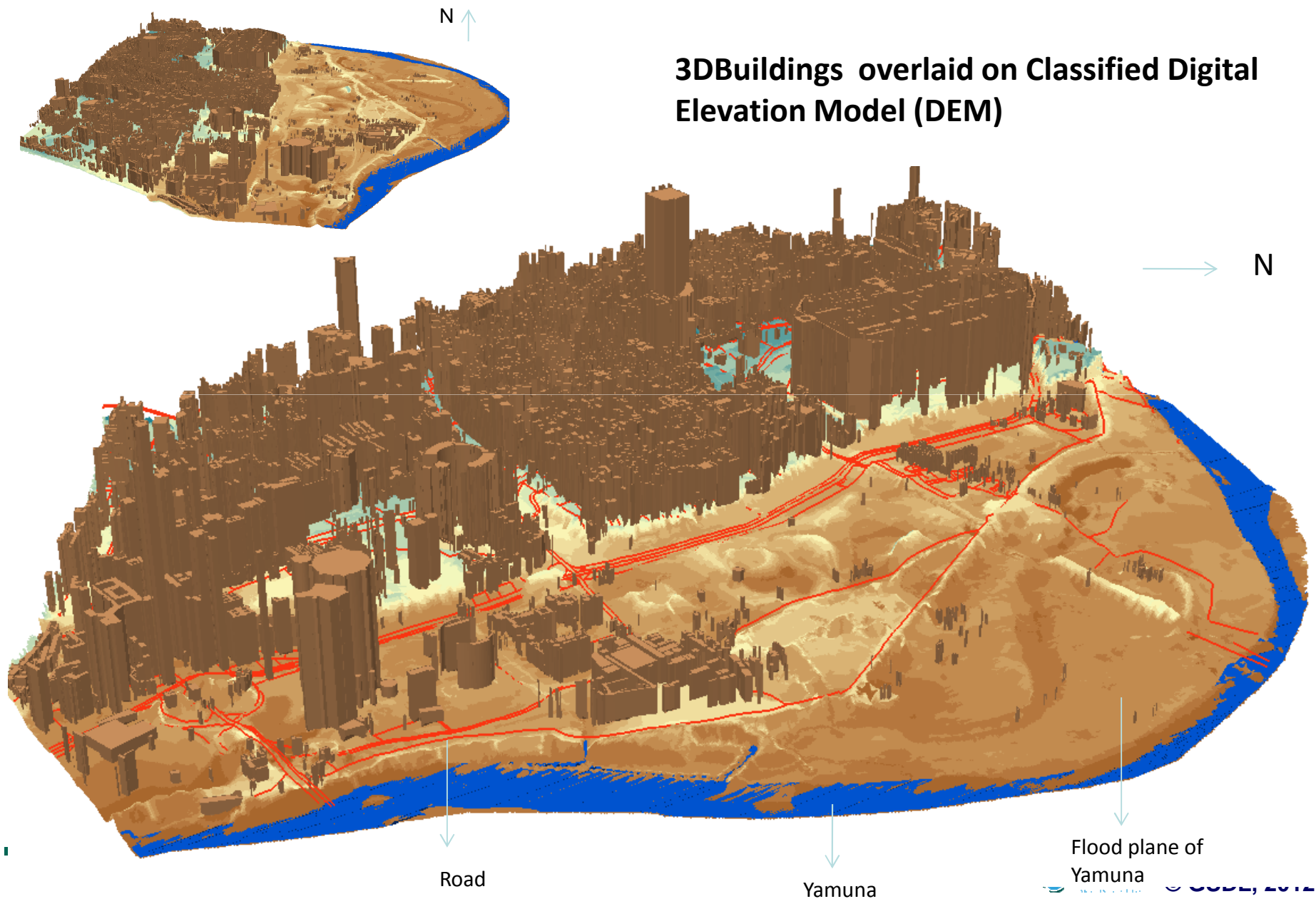




# CHRONIC WATER LOGGING

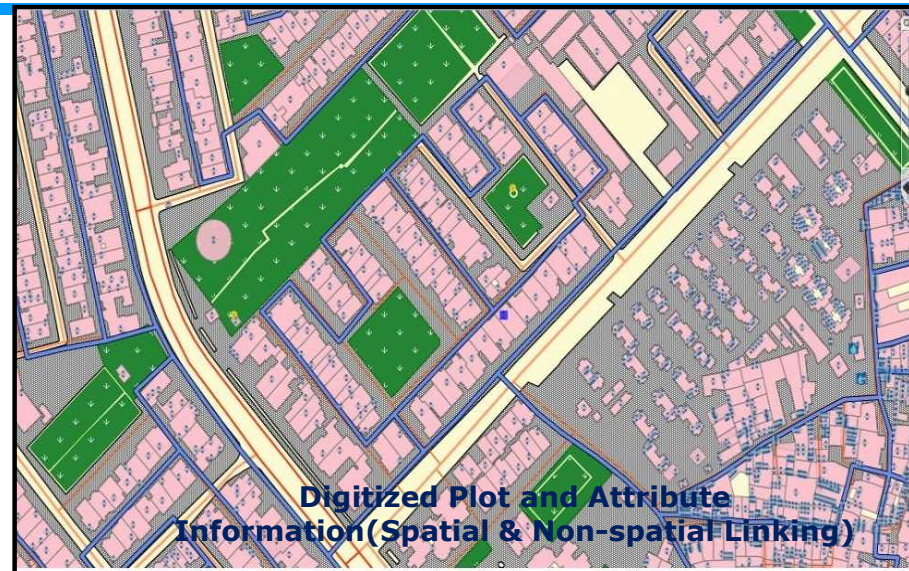


# Drainage and Sewerage planning

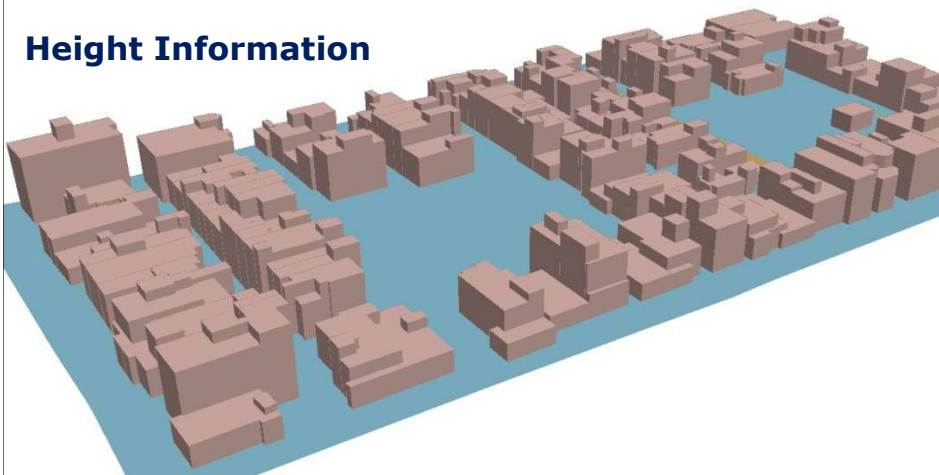




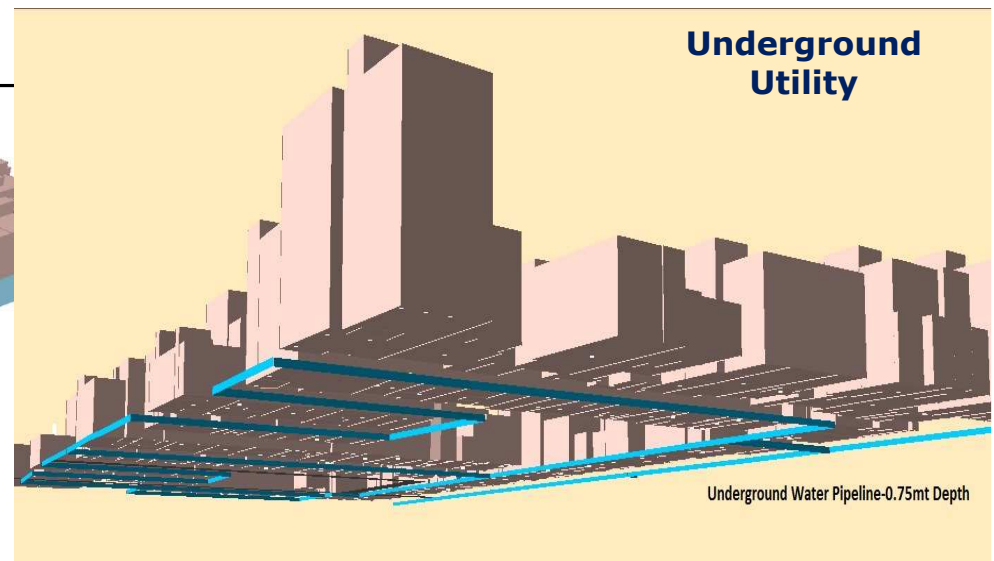
# GIS BASED PROPERTY TAX ASSESSMENT



Height Information

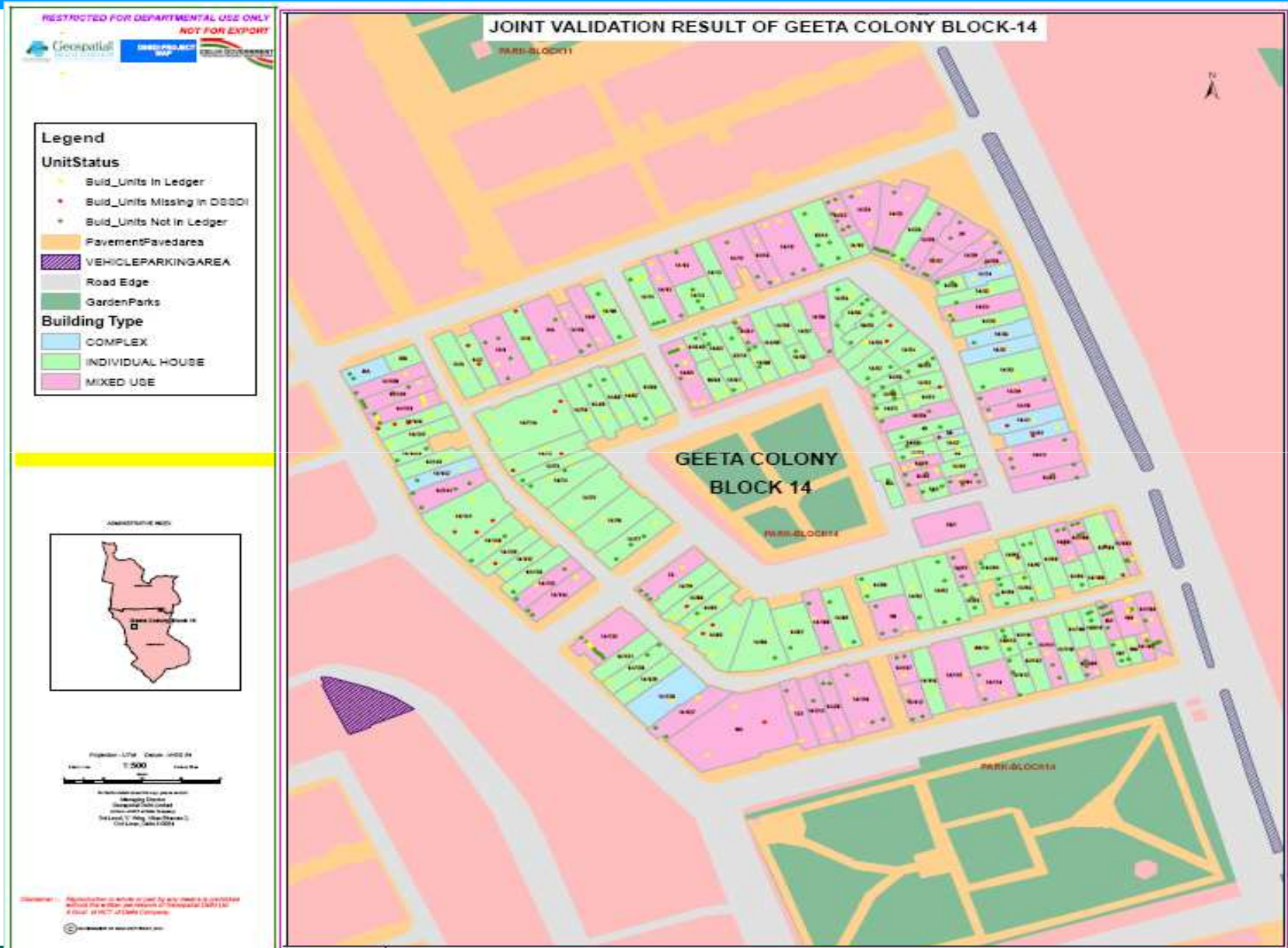


Underground Utility





# PROPERTY TAX DATA INTEGRATION

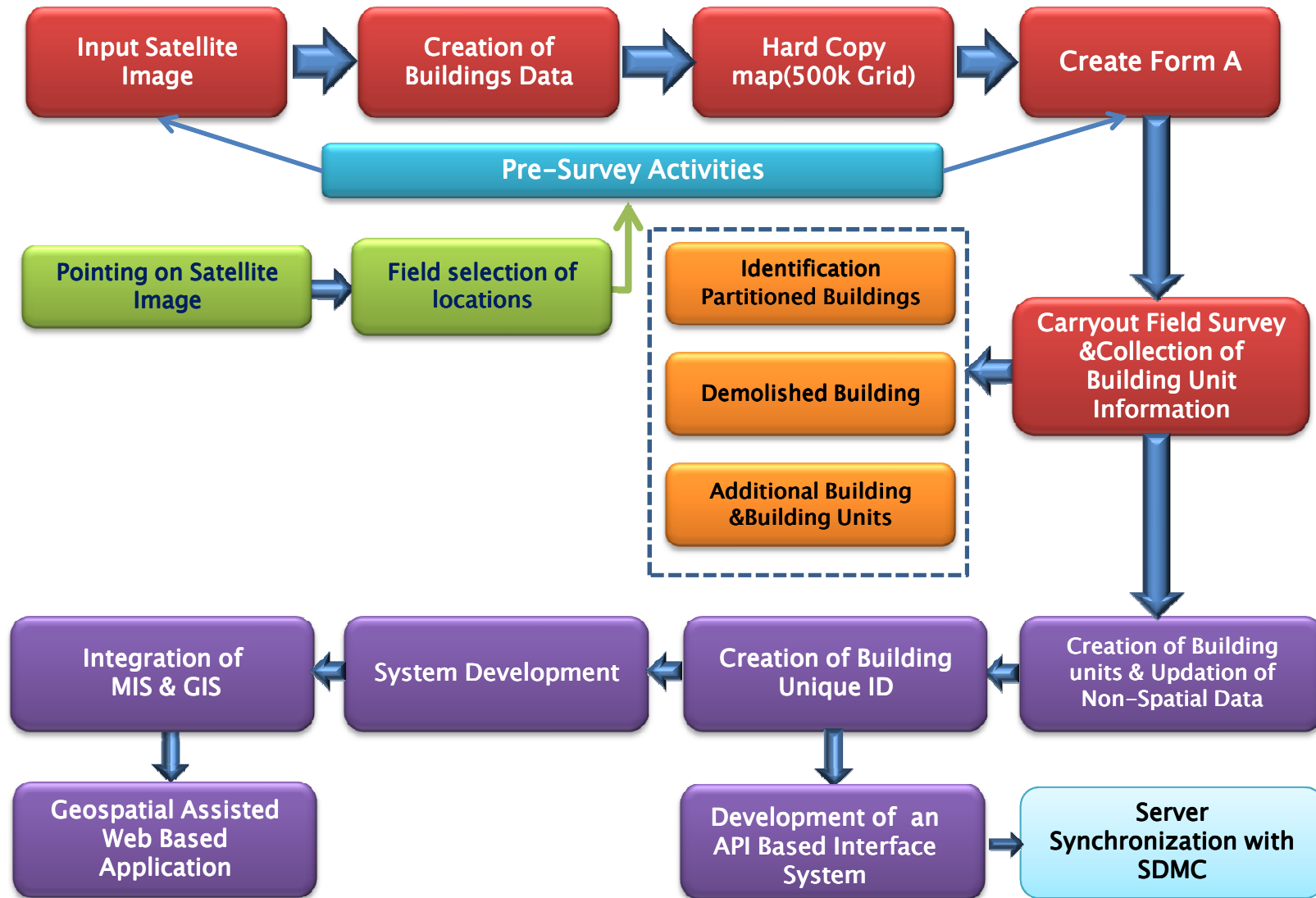


## 3D Perspective for Tax Assessment

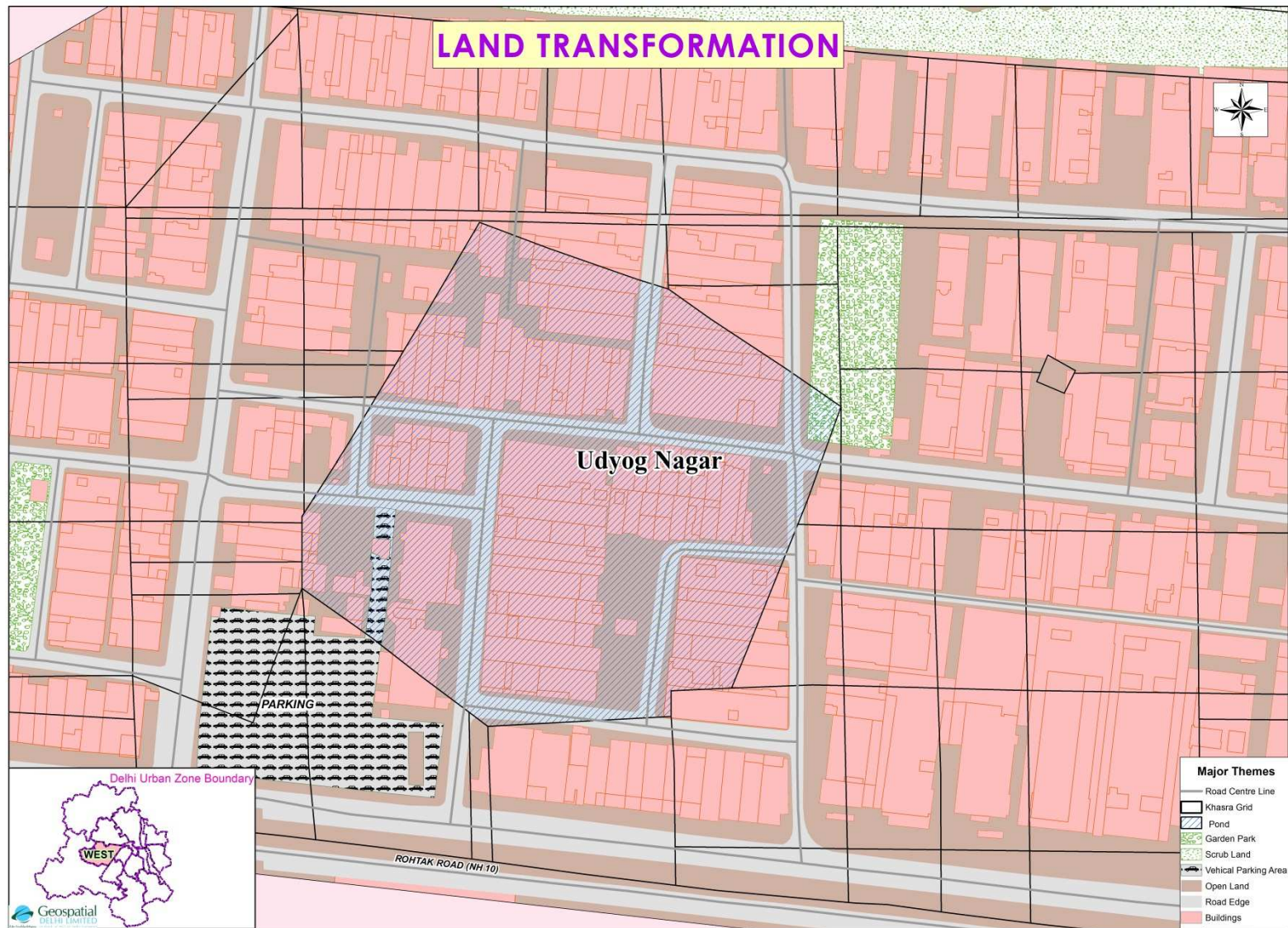




# Assigning Unique Building ID based on Footprint



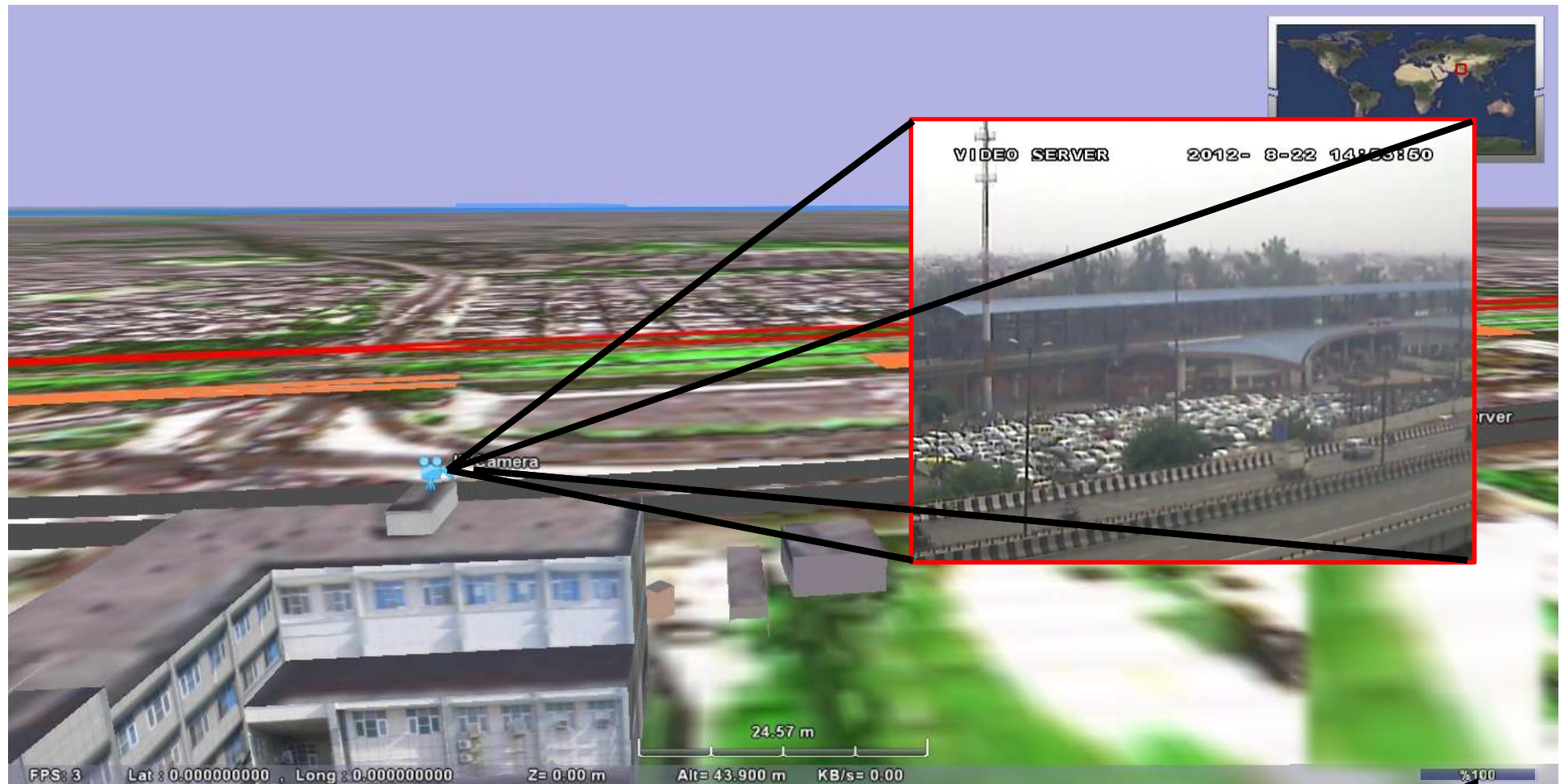
# LAND TRANSFORMATION



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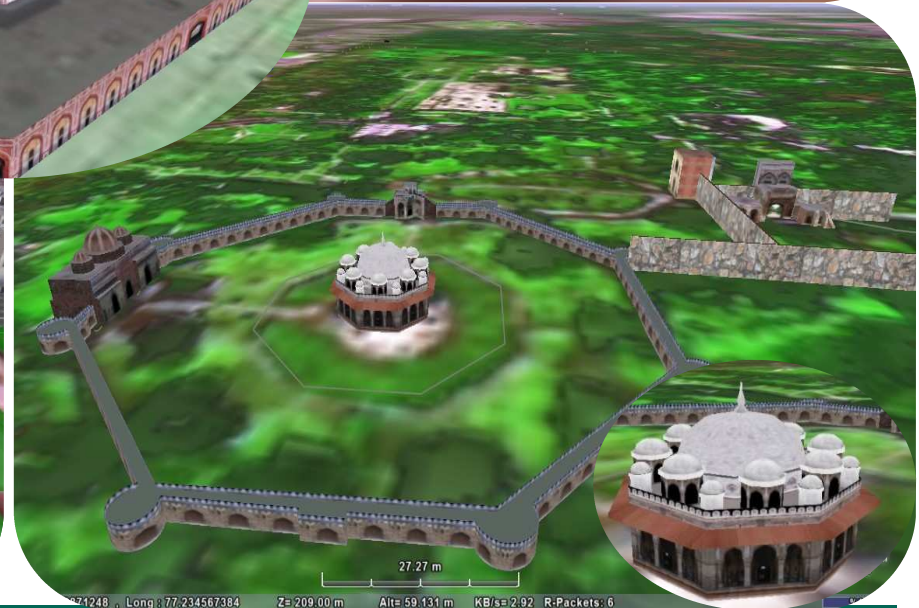
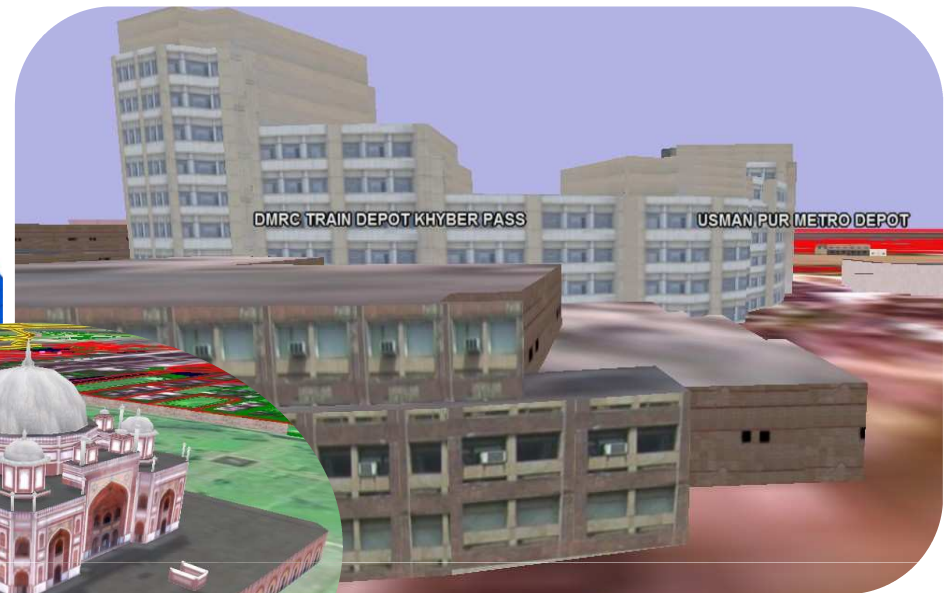
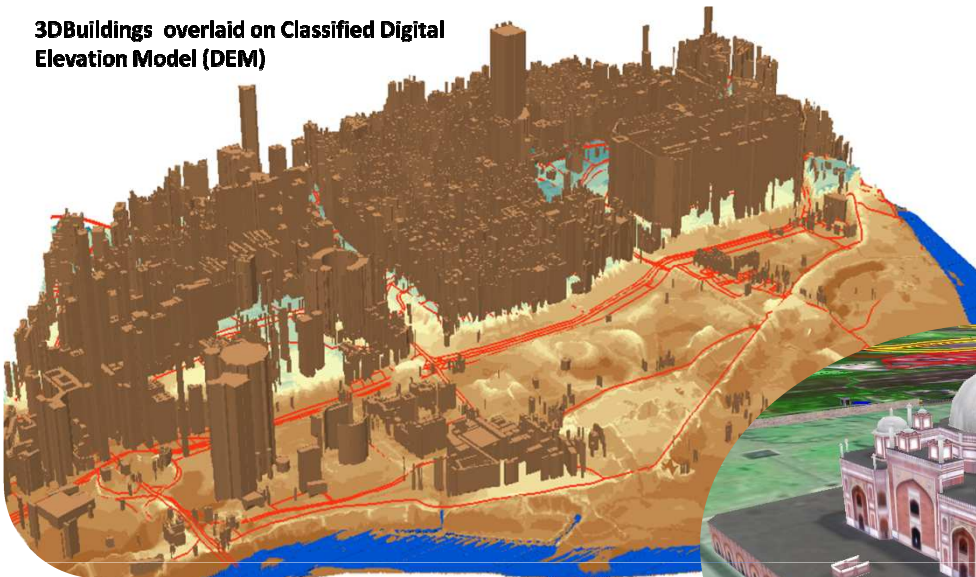
# DYNAMICS INTEGRATED WITH 3D GIS





# DELHI: VISUALISATION TO VIRTUALISATION

3DBuildings overlaid on Classified Digital Elevation Model (DEM)



# Thank You



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