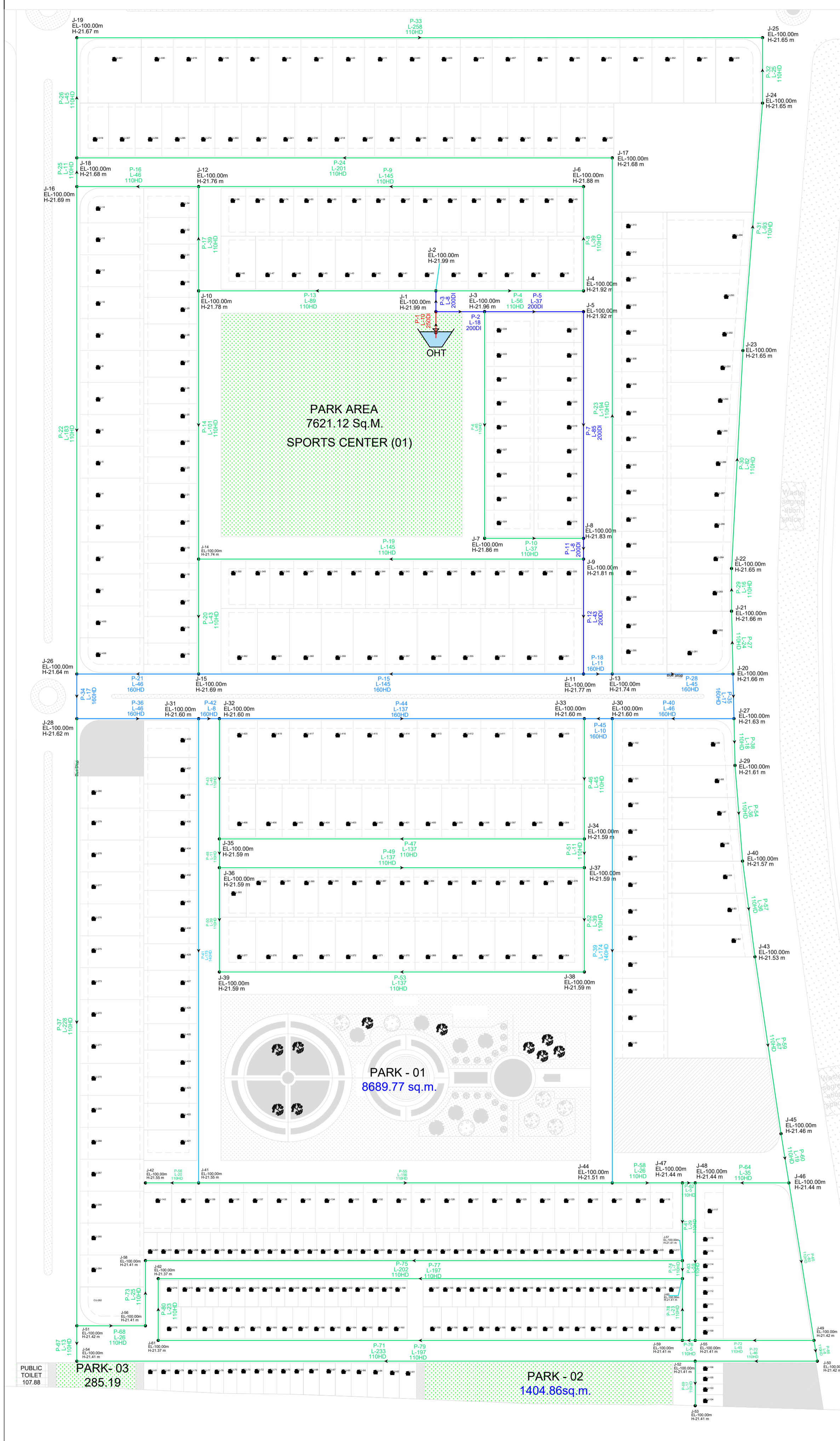


# PROPOSED TOWNSHIP AT BANDA, UTTAR PRADESH

## DESIGN OF WATER SUPPLY NETWORK (PHASE-I)



### LEGEND

	110Ø HDPE PIPE
	140Ø HDPE PIPE
	160Ø HDPE PIPE
	200Ø D.I. PIPE (K-7)
	250Ø D.I. PIPE (K-7)
	OVER HEAD TANK
J-4	JUNCTION NO.
EL-100.00 m	GROUND LEVEL
H-21.65 m	PRESSURE HEAD
P-48	PIPE NO.
L-201 m	LENGTH
110HD	PIPE DIA/ MATERIAL

- #### NOTES:- PRESSURISED WATER SUPPLY
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS NOTED OTHERWISE.
  - FOR PIPES SIZE, PRESSURE RATINGS, LEVELS ETC. REFER DRAWINGS/DESIGN.
  - ANY DISCREPANCY IN THE DRAWING SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECTS / CONSULTANTS.
  - ALL PIPES SHALL BE AS PER THE SPECIFICATION MENTIONED IN TENDER GUIDELINES:
    - 110mm, 140mm, 160mm - HDPE PN-6
    - 200mm, 250mm - DI K-7
  - WATER SUPPLY LINE LAYOUT IS INDICATIVE. PIPELINE SHALL BE LAID ALIGNED AS PER ACTUAL ROAD SECTION AND LEVEL.
  - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, STRUCTURAL AND OTHER SERVICES DRAWINGS.
  - VALVE CHAMBER SIZE SHALL BE AS FOLLOWS:-
    - (i) 600X600 FOR PIPES UP TO 160mm Ø
    - (ii) 1200X1200 FOR PIPES 200mm TO 250mm Ø
  - MINIMUM DEPTH OF COVER SHALL BE:-
    - (i) 1000mm BELOW FINISHED ROAD LEVEL
    - (ii) 900mm BELOW FINISHED GROUND LEVEL (NON-TRAFFIC AREAS)
  - PIPE SPECIFICATIONS:-
 

DIAMETER   MATERIAL   PRESSURE CLASS   JOINTING
110mm Ø   HDPE   PN-6   Electrofusion/Butt Welding
140mm Ø   HDPE   PN-6   Electrofusion/Butt Welding
160mm Ø   HDPE   PN-6   Electrofusion/Butt Welding
200mm Ø   DI   K-7   Push-on/Mechanical Joint
250mm Ø   DI   K-7   Push-on/Mechanical Joint
  - ALL DI PIPES AND FITTINGS SHALL CONFORM TO IS:8329 WITH INTERNAL CEMENT MORTAR LINING AS PER IS:11906.
  - ALL HDPE PIPES SHALL CONFORM TO IS:4984.
  - SLUICE VALVES SHALL BE PROVIDED AT JUNCTIONS, BRANCH CONNECTIONS AND AT INTERVALS NOT EXCEEDING 500m.
  - AIR VALVES SHALL BE PROVIDED AT ALL SUMMIT/HIGH POINTS IN THE PIPELINE.
  - SCOUR VALVES/WASHOUTS SHALL BE PROVIDED AT ALL LOW POINTS IN THE PIPELINE.
  - THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES, REDUCERS AND DEAD ENDS AS PER DESIGN.

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NORTH	DRAWN BY	
	DATE	25-02-2026
	SCALE	1:100
	CHECKED BY	AR.YATI
DRG.NO.		

### KEY PLAN

- #### NOTES :
- ALL DIMENSIONS SHALL BE CHECKED AND CO-RELATED WITH THE ARCHITECTURAL DRAWING AND ANY AMBIGUITY SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE ARCHITECT / CONSULTANT BEFORE COMMENCEMENT OF THE WORK.
  - ALL DIMENSIONS ARE IN M. UNLESS OTHERWISE SPECIFIED.
  - SETBACK OF ALL PLOTS SHALL BE AS PER PROVISION GIVEN IN BUILDING BYLAWS 2025

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