

DPR FOR INTEGRATED TOWNSHIP AT VRINDAVAN

4.10 Services for development in the township

4.10.1 Water Supply

The potable water supply of desired quality and purity shall be ensured by tapping underground water.

The proposed project site is outside the present Municipal boundary area so Municipal water supply network does not exist. Therefore, the water supply arrangement for Township shall be created by Developer Company by taking ground water as main source. The norms laid down by UP Jal Nigam for providing potable water supply shall be ensured.

4.10.2 Drainage

The Storm Water Drainage Management will comprise of following

- The Rain Water Harvesting of the water collected from the roof top of the residential plots
- 5% of the total land will be created as recharge pits to harvest quantum of surface runoff
- Surplus of the Rain Water will be taken out from the Township and disposed to nearby MVDA drain

Therefore, the prime activities conceived for providing Drainage System shall comprise of:

- Internal Drainage System (Rooftop Drain to Recharge pit)- It will carry rooftop water to recharge pit from residential buildings
- External Drainage System (Road Runoff with overflow from Recharge pit and Pond)-It will carry road runoff with overflow-from recharge pit which will be discharged to the MVDA drain.

4.10.3 Sewerage System

Township will be developed with a dedicated and efficient sewerage system having proper internal connectivity. It shall be constructed within the Township by the Developer Company which will integrate to city level sewerage system ensuring proper connectivity. It will be done in coordination with MVDA to get the system of

the Township connected with city sewerage system so that the treatment of Sewerage of the Township shall be integrated to the treatment facility developed in the city.

4.10.4 Solid Waste Management

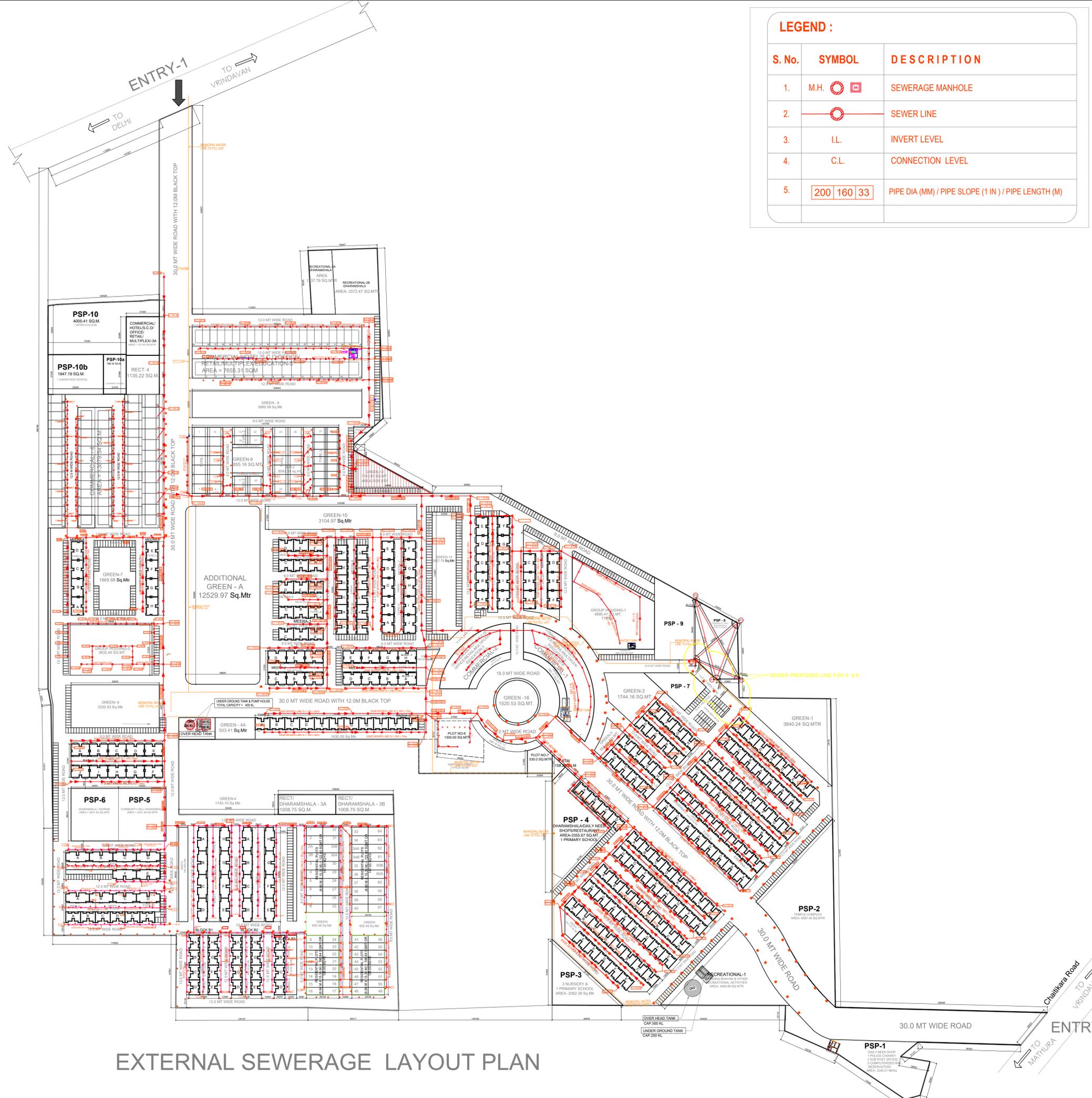
The estimation of waste generation from the Township shall be done as per the standards described in Master Plan 2021. The 'House to House' collection system has been proposed to develop in the Township. The 'Solid Waste Management System' at New Delhi has also been studied where this system is prevalent and is running successfully with active 'Public Participation' along with NGO. An arrangement to collect decomposable and non-decomposable waste in separate bag from households will apply.

The residents shall be made responsible to keep waste in separate bags in their houses and it shall be their responsibility to arrange cartage of these bags at their cost up to already constructed depots/bins for the purpose from where the tipper or carriage vans will cart this waste up to disposal point for treatment.

4.10.5 Proposed Road Network & Public Transport System

The road pattern has been proposed in such a way that the mass transport services shall be able to provide access to its service from any part of the Township within 5 to 10 minutes walking distance. The construction of roads shall conform to IRC and Uttar Pradesh state PWD specifications.

The concept for the circulation plan is designed so that the all parts of the Township shall have access through 30.0 m & 24.0 m wide road. Therefore, this road is identified as main arterial road of the Township which ensures efficient and good connectivity of the Township. This road is connected to Chatikara road on the South-Western side of the site. This in turn connects to NH-2 on one side and Vrindavan on the other side. The pedestrian paths provided in the central green area will also be the part of parks for facilitating morning walks/ jogging. They will also provide excellent connectivity to all the group housing blocks as well as other and use in the township.



LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.	M.H.	SEWERAGE MANHOLE
2.		SEWER LINE
3.	I.L.	INVERT LEVEL
4.	C.L.	CONNECTION LEVEL
5.		PIPE DIA (MM) / PIPE SLOPE (1 IN) / PIPE LENGTH (M)

EXTERNAL SEWERAGE LAYOUT PLAN