

LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		RECYCLE WATER SUPPLY LINE

LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		DOMESTIC WATER SUPPLY LINE
2.		WAD HYDRANT

LEGEND : EXTERNAL LIGHTING			
S. No.	SYMBOL	DESCRIPTION	QTY.
1.		9 METER HIGH POLE WITH 100 WATT LED SINGLE LIGHT FIXTURE	320 NOS
2.			
3.			

LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		MANHOLE
2.		SEWER LINE
3.		BRANCH SEWERAGE CONNECTION
4.		BRANCH MANHOLE 800x600

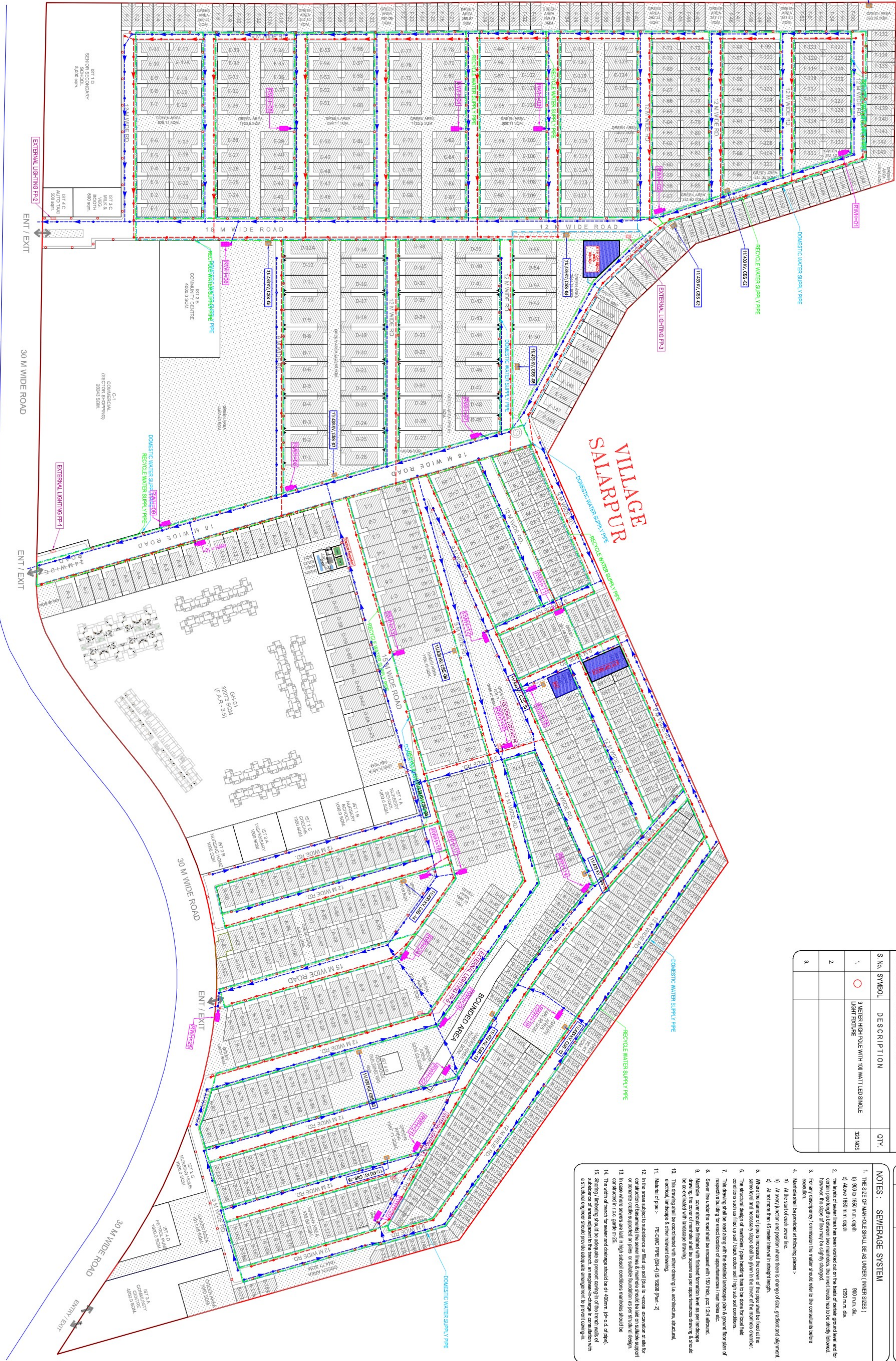
NOTES : SEWERAGE SYSTEM

1. THE SIZE OF MANHOLE SHALL BE AS UNDER (INNER SIZES)
a) 900 to 1500 m.m. depth 900 m.m. dia.
b) 900 to 1500 m.m. depth 1200 m.m. dia.
c) Above 1500 m.m. depth 1500 m.m. dia.
2. The levels of sewer lines has been worked out on the basis of certain ground level and for certain pipe lengths between two manholes, the invert levels has to be strictly followed. However, the slope of this may be slightly changed.
3. For any discrepancy / omission the matter should refer to the consultants before execution.
4. Manhole shall be provided at following places :-
a) At the start of each sewer line.
b) At every junction and position where there is change of size, gradient and alignment.
c) At not more than 45 meter interval in straight length.
5. When the diameter of pipe is increased the crown of the pipe shall be fixed at the same level and necessary drops shall be given in the invert of the manhole chamber.
6. The structural design of manholes / pipe bedding has to be done for local field conditions such as filled up soil / back cotton soil / high sub soil conditions.
7. This drawing shall be read along with the detailed sewerage plan & ground floor plan of respective building for exact location of separations / man holes etc.
8. Sewer line under the road shall be encased with 150 thick, i/cc 124 allround.
9. Manhole cover should be finished with finished formation level as per landscape drawing. The cover of manhole shall be square as per appearance drawing & should be coordinated with landscape drawing.
10. This drawing shall be coordinated with other drawings i.e. architecture, structural, electrical, landscape & other relevant drawing.
11. Material of pipe :- PE DMC PIPE (SP-4) IS 10683 (Part-2)
12. In the areas subject to subsidence or filled up soil (due to - zones excavation at site for construction of sewerage lines) or areas where there is high sub soil conditions manholes should be constructed in R.C.C. pipe m-25.
13. In case where sewers are laid in high sub soil conditions manholes should be constructed in R.C.C. pipe m-25.
14. The width of trench for sewer and drainage should be 600mm. (for o.d. of pipe).
15. Shoring / lining should be adequate to prevent caving in of the trench walls of substance of areas adjacent to the trench. an engineer-in-charge in consultation with a structural engineer should provide adequate arrangement to prevent caving in.

LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		CATCH PIT
2.		UNDER GROUND PIPE DRAIN
3.		BRANCH DRAINAGE CONNECTION
4.		BRANCH CATCH PIT 1000x600

NOTES : DRAINAGE SYSTEM

1. THE SIZE OF CATCH-PIT SHALL BE AS UNDER (INNER SIZES)
a) 900 to 1500 m.m. depth 900 m.m. dia.
b) 900 to 1500 m.m. depth 1200 m.m. dia.
c) Above 1500 m.m. depth 1500 m.m. dia.
2. The levels of drainage lines has been worked out on the basis of certain ground level and for certain pipe lengths between two manholes, the invert levels has to be strictly followed. However, the slope of this may be slightly changed.
3. For any discrepancy / omission the matter should refer to the consultants before execution.
4. Catchpit shall be provided at following places :-
a) At the start of each drain line.
b) At every junction and position where there is change of size, gradient and alignment.
c) At not more than 15 meter interval in straight length.
d) At not more than 15 meter interval in straight length.
5. The structural design of catchpit / pipe bedding has to be done for local field conditions such as filled up soil / back cotton soil / high sub soil conditions.
6. The drawing shall be read along with the detailed sewerage plan & ground floor plan of respective building for exact location of separations / man holes etc.
7. Catchpit cover should be finished with finished formation level as per landscape drawing. The cover of catch pit shall be square as per appearance drawing & should be coordinated with landscape drawing.
8. This drawing shall be coordinated with other drawings i.e. architecture, structural, electrical, landscape & other relevant drawing.
9. The drawing shall be coordinated with other drawings i.e. architecture, structural, electrical, landscape & other relevant drawing.
10. Material of pipe :- R.C.C. (M-20) Pipe with rubber ring joint.
11. In the areas subject to subsidence or filled up soil (due to - zones excavation at site for construction of sewerage lines) or areas where there is high sub soil conditions manholes should be constructed in R.C.C. pipe m-25.
12. In case where drains are laid in high sub soil conditions catchpits should be constructed in R.C.C. pipe m-25.
13. The width of trench for sewer and drainage should be 600mm. (for o.d. of pipe).
14. Shoring / lining should be adequate to prevent caving in of the trench walls of substance of areas adjacent to the trench. an engineer-in-charge in consultation with a structural engineer should provide adequate arrangement to prevent caving in.
15. Before laying up the execution, the feasibility of connection of drain with the outside drainage may please be checked. Any discrepancy may be reported to the consultant.



Rev. No.	Date	Revision
R-0	12.08.2024	Issued for Submission

Project :
PROPOSED MASTER PLAN FOR
VILLAGE SALARPUR
P.O. NO. TS. 01/SEC/09/22A/
YAMUNA EXPRESSWAY

Title :
LAYOUT PLAN

Subtitle :
EXTERNAL COORDINATED SYSTEM

Drawing Released For :

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☐ ADVANCE COPY ☐ CONSTRUCTION

Dwg. No. : CH/005 (100kmph) / EC-06

Scale : 1:1500 **Drawn By :** Alim

Date : 12.08.2024 **Design By :** Tanuj Sahni Arsal

Ckd By : Anand Havella

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