



LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		SEWER LINE
2.		1000 BRANCH SEWERAGE CONNECTION
3.		1000 BYPASS SEWER LINE AT 100m DEPTH
4.		DRAINAGE LINE
5.		2000 BRANCH DRAIN CONNECTION
6.		RAIN WATER HARVESTING PIT

NOTES : SEWERAGE SYSTEM

- THE SIZE OF MANHOLE SHALL BE AS UNDER (INNER SIZES)
 - Up to 900 m.m. depth 600 x 600 m.m.
 - 900 to 1500 m.m. depth 900 m.m. dia.
 - 1500 to 2250 m.m. depth 1200 m.m. dia.
 - Above 2250 m.m. depth 1500 m.m. dia.
- The levels of sewer lines has been worked out on the basis of certain ground level and the certain plane heights between two manholes. The invert levels has to be strictly followed. However, the slope of the line may be slightly changed.
- For any discrepancy / commission the matter should refer to the consultants before execution.
- Manholes shall be provided at following places :-
 - At the start of each sewer line.
 - At every junction and position where there is change of size, gradient and alignment.
 - At not more than 45 meter interval in straight length.
- Where the diameter of pipe is increased the crown of the pipe shall be fixed at the same level and necessary slope shall be given in the invert of the manhole chamber.
- The structural design of manholes / pipe bedding has to be done for local field conditions with as flat as soil / black cotton soil / High salt and conditions.
- This drawing shall be read along with the attached landscape plan & ground floor plan of respective building for exact location of appliances / man holes etc.
- Sewer line under the road shall be enclosed with 150 brick, put 1:2.4 allround.
- Manhole cover should be finished with finished formation level as per landscape drawing. The cover of manhole shall be square as per architectural drawing & shall be co-ordinated with landscape drawing.
- This drawing shall be coordinated with other drawing i.e. architecture, structural, electrical, landscape & other relevant drawing.
- Material of pipe :- PVC (DN 45) PPR (DN 45) 2 GIVE (DN 45)
- In the areas subject to landslides or that soil and the sewer lines & manhole should be fixed on suitable support or concrete grade supported on piles or suitable foundation as per attached drawing.
- In case where sewers are laid in high subsoil conditions manholes should be constructed in concrete.
- The width of trench for sewer and drainage should be 400mm (or 450 mm).
- Drainage / Sewerage should be adequate to prevent coming in of the trench walls of subsidence of ground adjacent to the trench, as required in accordance with the structural engineering should provide adequate arrangement to prevent coming in.

rev	description	by	00/00/0000
REV:	DESCRIPTION:	BY:	DATE:

PROJECT NAME:
URBAN VILLAS
 Bareilly,
 Uttar Pradesh
 243006

DRAWING TITLE:
**SITE PLAN
 WATER SUPPLY**

DRAWN BY:	CHECKED BY:
APPROVED BY:	DATE: 30/07/2023



ARCHITECT:
**DESIGN VIEWS
 ARCHITECTS, PLANNERS & ENGINEERS.**
 FIRST FLOOR, DESIGN COMPLEX
 PULBIT ROAD
 BAREILLY

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