

LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		SEWER LINE
2.		1000 BRANCH SEWERAGE CONNECTION
3.		1000 BYPASS SEWER LINE AT 100 MM 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)
 - a) Up to 900 m.m. depth 600 x 600 m.m.
 - b) 900 to 1500 m.m. depth 900 m.m. dia.
 - c) 1500 to 2250 m.m. depth 1200 m.m. dia.
 - d) 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 vertical pipe lengths 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 :-
 - 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.
 - 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 such as that soil / back water table / High sub soil conditions.
 - This drawing shall be read along with the attached landscape plan & ground floor plan of respective building for exact location of sewerage lines / manholes 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 approximation 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 4) PPR (DN 2) - 2 GIVE TYPES
 - In the cases subject to landscape or that up and the sewer lines & manhole should be made on suitable support or concrete cradle 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. (for 400 mm dia. of pipe).
 - Shoring / bracing should be adequate to prevent caving in of the trench walls of subsidence of ground adjacent to the trench, or erosion / collapse in compliance with structural engineer should provide adequate arrangement to prevent caving in.

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

PROJECT NAME:
URBAN VILLAS
 Bareilly,
 Uttar Pradesh
 243006

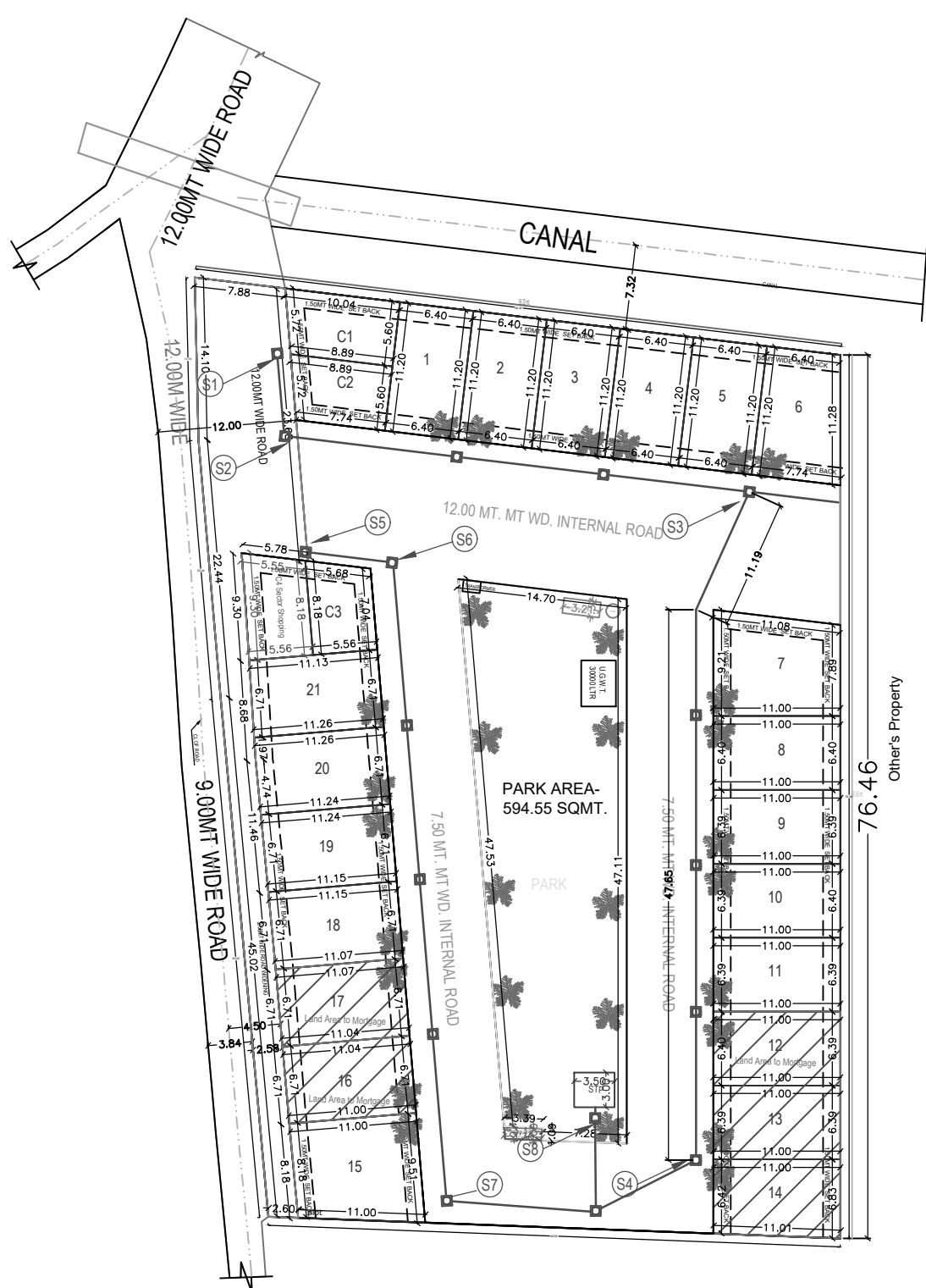
DRAWING TITLE:
SITE PLAN
WASTE DISPOSAL
LAYOUT

DRAWN BY:	CHECKED BY:
APPROVED BY:	DATE: 18/07/2023



ARCHITECT:
DESIGN VIEWS
ARCHITECTS/PLANNERS & ENGINEERS.
FIRST FLOOR, DESIGN COMPLEX
PILBART ROAD
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DETAILS OF SEWER LINES										
Manhole No.		Length	Dia.	Slope	MH Top Level	Invert Level	Depth	MH Top Level	Invert Level	Depth
From	To	(m)	(mm)	1 in	(m)	(m)	(m)	(m)	(m)	(m)
S1	S2	7	200	200	0.00	-1.20	1.20	0.00	-1.24	1.24
S2	S3	41	200	250	0.00	-1.24	1.24	0.00	-1.40	1.40
S3	S4	59	200	250	0.00	-1.40	1.40	0.00	-1.64	1.64
S4	S8	18	200	250	0.00	-1.64	1.64	0.00	-1.71	1.71
S5	S6	8	200	250	0.00	-1.32	1.32	0.00	-1.35	1.35
S6	S7	55	200	200	0.00	-1.35	1.35	0.00	-1.63	1.63
S7	S8	21	200	250	0.00	-1.63	1.63	0.00	-1.71	1.71