



LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.	M.H	MANHOLE
2.	SEWER LINE	SEWER LINE
3.	C.P	CATCH PIT
4.	UNDER GROUND PIPE DRAIN	UNDER GROUND PIPE DRAIN
5.	MUNICIPAL WATER SUPPLY PIPE LINE	MUNICIPAL WATER SUPPLY PIPE LINE
6.	RECYCLED WATER SUPPLY LINE FOR FLUSHING	RECYCLED WATER SUPPLY LINE FOR FLUSHING
7.	RECYCLED WATER SUPPLY LINE FOR HORTICULTURE	RECYCLED WATER SUPPLY LINE FOR HORTICULTURE
8.	DOMESTIC WATER SUPPLY LINE	DOMESTIC WATER SUPPLY LINE
9.	GH	GARDEN HYDRANT
10.	BASEMENT RETAINING WALL	BASEMENT RETAINING WALL
11.	RWH	RAIN WATER HARVESTING PIT
12.		
13.		

LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.	FIRE LINE	FIRE LINE
2.	YH	YARD HYDRANT 63 M M DIA. SINGLE HEADED HYDRANT VALVE WITH 2 NOS. 15 M LONG, 63 M M DIA. FIRE HOSE PIPE & 1 NO. BRANCH PIPE WITH NOZZLE
3.	4 WAY FIRE BRIGADE INLET CONNECTION	4 WAY FIRE BRIGADE INLET CONNECTION
4.	2 WAY FIRE BRIGADE DRAWOUT CONNECTION	2 WAY FIRE BRIGADE DRAWOUT CONNECTION
5.	BUTTERFLY VALVE	BUTTERFLY VALVE
6.	NONRETURN VALVE (CHECK VALVE)	NONRETURN VALVE (CHECK VALVE)
7.	ISOLATING VALVE WITH MASONARY CHAMBER	ISOLATING VALVE WITH MASONARY CHAMBER

For SRSD Infrastructure Venture LLP

Designated Partner

project
PROPOSED GROUP HOUSING
PLOT NO 2C AT WAVE CITY,
GHAZIABAD, UTTAR PARDESH

title
LAYOUT PLAN
subtitle
SERVICES CO-ORDINATION PLAN

drawing released for
EIA SUBMISSION

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Development Plan		
	Activities	Description
1	Demarcation of Plots	Layout demarcation has been carried out using Total Station Survey. The plot corners have been marked with permanent RCC boundary pillars of M20 grade.
2	Boundary Wall	Layout demarcation has been carried out using Total Station Survey. The plot corners have been marked with permanent RCC boundary pillars of M20 grade.
3	Road Work	A 150 mm thick Wet Mix Macadam (WMM) layer is to be provided and properly compacted to form a stable and durable base for the pavement.
4	Footpaths	The internal footpaths will be developed using 60–80 mm thick interlocking paver blocks. A 100 mm thick Plain Cement Concrete (PCC) base of M10 grade will be provided below the paver blocks to ensure stability and durability.
5	Water Supply Including Drinking Water Facilities	Water supply is to be provided through HDPE / DI pipelines (PN 6 / PN 10). An underground RCC (M25) water storage tank will be constructed. The system will be connected to a borewell and/or municipal supply. Drinking water points will be available in common areas too.
6	Sewer System	Drainage is to be provided using RCC NP3 pipes (200–450 mm diameter) with manholes at regular intervals. Proper gravity slope is to be maintained to connect to the STP.
7	Drain	Storm water drainage to be built using RCC precast / cast-in-situ drains. The drains are to be covered with precast slabs. The system is to be designed based on rainfall intensity data, with proper outfall and recharge arrangements provided.
8	Parks	Landscaped green areas with lawns have been developed. Children's play equipment (as per IS standards), a walking/jogging track, benches, and park lighting to be installed.
9	Tree Planting	Avenue plantation to be carried out along the roads using native species. Tree guards will be installed, and provisions for regular maintenance to be made.
10	Design For Electric Supply Including Street Lighting	Underground armoured LT/HT cables will be laid down. A transformer will be installed. LED street lights to be installed, along with solar lights in common areas, wherever applicable.
11	Community Buildings	The building is to be constructed with an RCC framed structure and brick/block masonry. Vitrified tile flooring is to be provided.
12	Treatment and Disposal System of Sewage and Sullage water	A Sewage Treatment Plant (STP) is to be installed using MBBR / SBR technology. The treated water is reused for

		flushing and horticulture purposes. Sludge disposal is carried out as per applicable norms and regulations.
13	Solid Waste Management And Disposal System	Waste is segregated at source. A designated garbage collection area is to be provided. A composting / OWC system will be installed. Final disposal is to be carried out through an authorized municipal agency.
14	Water Conservation System	Rainwater harvesting pits, recharge bore wells, and stormwater recharge structures to be provided. Treated water is reused for suitable applications.
15	Energy Management System Including Use of Renewable Energy	Solar panels to be installed on community buildings. LED lighting, energy-efficient equipment, and smart energy monitoring systems to be installed.
16	Fire Protection And Fire Safety System	An underground fire water tank, hydrant network, and fire pump room to be provided. Portable fire extinguishers to be installed. The system complies with NBC and local fire safety norms.
17	Social Infrastructure And Other Public Amenities Including Public Health Services	Have provision to built public toilets in common areas. A security cabin and boom barriers is to be provided at the entrance. CCTV surveillance systems will be installed.
18	Emergency Evacuation Services	A minimum 6 m wide fire tender access road to be provided. Emergency assembly points, directional signage, and emergency lighting in common areas will be arranged.
19	Other Miscellaneous Work	The entrance gate to be developed with proper architectural features. Necessary signages and road markings to be provided.

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