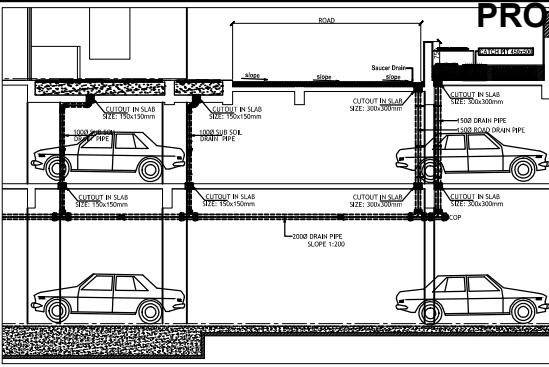
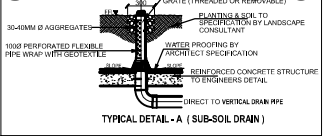




TYPICAL SECTION FOR SUB-SOIL & PODIUM DRAINAGE SYSTEM



TYPICAL DETAIL - A (SUB-SOIL DRAIN)

1. For any discrepancy / omission the master should refer to the consultants before execution.
2. Drain outlet shall be provided at road crossing for surface drains.
3. The drain outlet shall be flush with the proposed ground level of the respective area / per landscape plan.
4. The drain leading shall have to be structurally designed for local site conditions such as filled up soil / loose cotton soil / high sub soil conditions.
5. This drawing shall be coordinated with other drawing i.e. architecture, structural, electrical, landscape & other relevant drawing.
6. Before taking 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.
7. THE SIZE OF CATCHPIT SHALL BE AS UNDER (INNER SIZES)
- a) LxW 900 mm depth 900 x 900 mm
- b) 1500 x 1500 mm depth 1500 mm dia.
- c) 1500 x 2250 mm depth 1500 mm dia.
- d) Above 2250 mm depth 1500 mm dia.
8. Above 2250 mm depth 1500 mm dia.
9. The levels of sewer 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 the line may be slightly changed.
10. For any discrepancy / omission the master should refer to the consultants before execution.
11. At every junction and position where there is change of size, gradient and alignment.
12. At road more than 45 meter interval in straight length.
13. Where the diameter of pipe is increased the cover of the pipe shall be fixed at the same level and necessary pipe shall be given in the invert of the manhole chamber.
14. The structural design of manholes / pipe bedding has to be done in local field conditions such as filled up soil / black cotton soil / high sub soil conditions.
15. This drawing shall be read along with the detailed landscape plan & ground floor plan of respective building for exact location of manholes / man holes etc.
16. Sewer line under the road shall be encased with 150 mm thick, per 1:2.4 around.
17. Manhole cover should be finished with finished formation level as per landscape drawing. The cover of manhole shall be square as per architectural drawing & should be in accordance with landscape drawing.
18. This drawing shall be coordinated with other drawing i.e. architecture, structural, electrical, landscape & other relevant drawing.
19. Material of pipe - RCC SPT 3 Pipe with rubber ring joint / UPVC PIPE / BMS IS 15328 / 151080
20. In the areas subject to subsidence or filled up soil (due to excess excavation at site for construction of basement) the sewer lines & manholes should be laid on suitable support or concrete cradle supported on piles or suitable foundation as per structural design.
21. In case where sewers are laid in high subsoil conditions manholes should be constructed in c.c. grade m/s.
22. The width of trench for sewer and its slope should be 400mm, 1% v/c, of pipe.
23. Sloping / bedding should be adequate to prevent sagging of the trench walls of subsoil of areas adjacent to the trench, an engineer-in-charge in consultation with a structural engineer should provide adequate arrangement to prevent sagging.
24. Before taking 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.

- NOTES : SEWERAGE SYSTEM
1. THE SIZE OF MANHOLE SHALL BE AS UNDER (INNER SIZES)
- a) 900 x 1500 mm depth 900 mm dia.
- b) 1500 x 2250 mm depth 1500 mm dia.
- c) Above 2250 mm depth 1500 mm dia.
2. The levels of sewer 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 the line may be slightly changed.
3. For any discrepancy / omission the master 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 road more than 45 meter interval in straight length.
5. Where the diameter of pipe is increased the cover of the pipe shall be fixed at the same level and necessary pipe shall be given in the invert of the manhole chamber.
6. The structural design of manholes / pipe bedding has to be done in local field conditions such as filled up soil / black cotton soil / high sub soil conditions.
7. This drawing shall be read along with the detailed landscape plan & ground floor plan of respective building for exact location of manholes / man holes etc.
8. Sewer line under the road shall be encased with 150 mm thick, per 1:2.4 around.
9. Manhole cover should be finished with finished formation level as per landscape drawing. The cover of manhole shall be square as per architectural drawing & should be in accordance with landscape drawing.
10. This drawing shall be coordinated with other drawing i.e. architecture, structural, electrical, landscape & other relevant drawing.
11. Material of pipe - RCC SPT 3 Pipe with rubber ring joint / UPVC PIPE / BMS IS 15328 / 151080
12. In the areas subject to subsidence or filled up soil (due to excess excavation at site for construction of basement) the sewer lines & manholes should be laid on suitable support or concrete cradle supported on piles or suitable foundation as per structural design.
13. In case where sewers are laid in high subsoil conditions manholes should be constructed in c.c. grade m/s.
14. The width of trench for sewer and its slope should be 400mm, 1% v/c, of pipe.
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LEGEND :		
S.No.	SYMBOL	DESCRIPTION
1.	M/H	MANHOLE
2.	SE	SEWER LINE
3.	C/P	CATCH PIT
4.	---	UNDER GROUND PIPE DRAIN
5.	---	RISING MAIN LINE FROM T.M TO U.T
6.	---	MUNICIPAL WATER SUPPLY PIPE LINE
7.	---	RECYCLED WATER SUPPLY LINE FOR HORTICULTURE
8.	⊙	PROPOSED TIE WELL
9.	OH	GARDEN HYDRANT
10.	---	BASEMENT RETAINING WALL
11.	---	RAIN WATER HARVESTING
12.	---	MASONRY CHAMBER FOR ISOLATING VALVE
13.	---	INTERNAL ROAD LEVEL
14.	---	SOIL SLOPE
15.	---	300mm WIDE DRAIN
16.	---	300mm WIDE SAUCER DRAIN

LEGEND : FIRE SYSTEM		
S.No.	SYMBOL	DESCRIPTION
1.	---	FIRE LINE
2.	YH	YARD HYDRANT
3.	---	FIRE BRIGADE CONNECTION
4.	---	BUTTERFLY VALVE
5.	---	NONRETURN VALVE (CHECK VALVE)
6.	---	ISOLATING VALVE WITH MASONRY CHAMBER

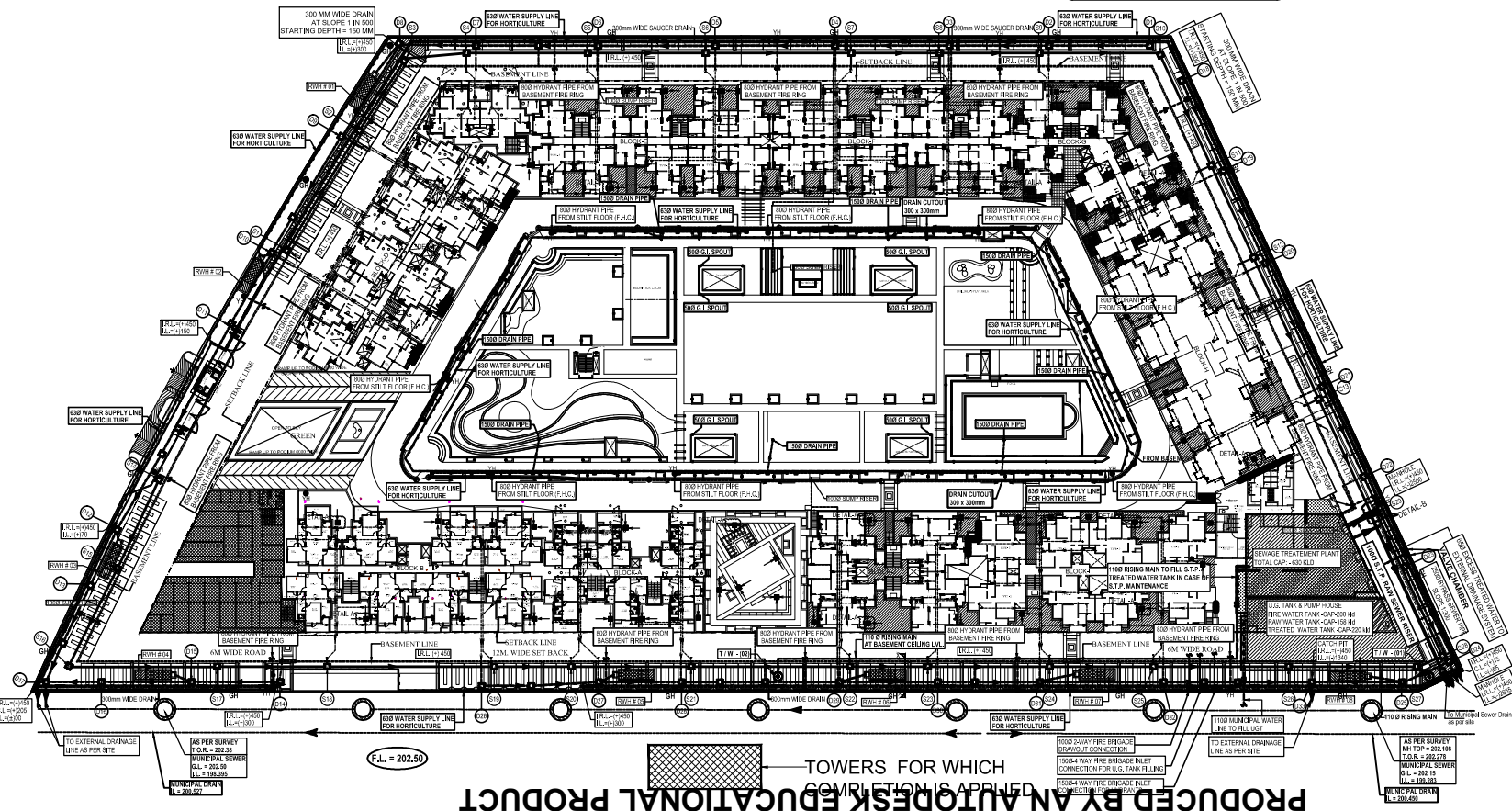
NOTES : WATER SUPPLY

1. The depth of respective water supply main shall be - 900 mm

2. The depth of rising main shall be - 1000 mm

3. Pipe material for external water supply - recycle / municipal line shall be HDPE / PTD / PPR

4. Pipe material for rising main from subsoil to STP / WTP (jumped from basement ceiling) shall be UPVC / SCH 80



DRAWING FOR THE GROUP HOUSING AT PLOT NO.GG-03/GH-03 SECTOR 16C GREATER NOIDA.

OWNER: MRS. GALAXY DREAM HOME DEVELOPERS (P) L.T.D. THROUGH DIRECTOR-CHANDRA KUMAR AGRAWALA

DRAWING TITLE: SITE PLAN SERVICES CO-ORDINATION PLAN

SCALE: 1:500

DESIGN BY: SD-01

CHECKED BY: SD-01

Services Consultant : Consummate Engineering Services (P) Ltd.

Head Office : B-67, Sector-47, Noida-201 301

Tel: 0120-4848000 (10 Lines)

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