NOTES : WATER SUPPLY

1. The depth of domestic water supply main shall be = 900 mm
2. The depth of recycle water supply main shall be = 1000 mm
3. The depth of rising main shall be = 900 mm
4. The depth of domestic / recycle water / Fire supply connection to Tower from main shall be = 600 mm
5. Pipe material for external water supply - recycle / tube well rising main / municipal line Shall be : D.I. (K-9)
6. Pipe material for Connection from External Line to Tower Shall be : G.I. Pipe.
7. Pipe material for external Irrigation line Shall be : UPVC SCH80

NOTES : FIRE SYSTEM

1. Pipe material for Fire line Shall be : MS (CLASS C) heavy duty

NOTES : DRAINAGE SYSTEM

1. THE SIZE OF CATCHPIT SHALL BE AS UNDER (INNER SIZES)
   a) Upto 900 m.m. depth 600 x 600 m.m.
   b) 900 to 1650 m.m. depth 900 m.m. dia.
   c) Above 1650 m.m. depth 1200 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 catchpits. the invert levels has to be strictly followed. however, the slope of line may be slightly changed.
3. For any descripency / ommission 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.
5. The structural design of catchpit / pipe bedding has to be done for local field conditions such as filled up soil / black cotton soil / high sub soil conditions.
6. This drawing shall be read along with the detailed landscape plan & ground floor plan of respective building for exact location of appurtenances / catchpit etc.
7. Drainage line under the road shall be encased with 150 thick, pcc 1:2:4 allround.
8. Catchpit cover should be finished with finished formation level as per landscape drawing. the cover of catch pit shall be square as per appurtenances drawing & should be co-ordinated with landscape drawing.
9. This drawing shall be coordinated with other drawing i.e. architecture, structural, electrical, landscape & other relevant drawing.
10. Material of pipe :- RCC (NP 3) Pipe with rubber ring joint
11. In the areas subject to subsidence or filled up soil (due to exces excavation at site for construction of basements) the drain lines & catchpit should be laid on suitable support or concrete cradle supported on piles or suitable foundation as per structural design.
12. In case where drain are laid in high subsoil conditions catchpits should be constructed in r.c.c. garde m-25.
13. The width of trench for sewer and drainage should be d+ 400mm. (d= o.d. of pipe).
14. Shoring / timbering should be adequate to prevent caving-in of the trench walls of subsidence 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 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) Upto 900 m.m. depth 600 x 600 m.m.
   b) 900 to 1650 m.m. depth 900 m.m. dia.
   c) Above 1650 m.m. depth 1200 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 line may be slightly changed.
3. For any descripency / ommission 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. 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.
6. The structural design of manholes / pipe bedding has to be done for 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 appurtenances / man holes etc.
8. Sewer line under the road shall be encased with 150 thick, pcc 1:2:4 allround.
9. Manhole cover should be finished with finished formation level as per landscape drawing. the cover of manhole shall be square as per appurtenances drawing & should be co-ordinated 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 :- PE PIPE (SN-4) IS 16098 (Part - 2) DWC type
12. In the areas subject to subsidence or filled up soil (due to exces excavation at site for construction of basements) the sewer lines & manhole 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 r.c.c. garde m-25.
14. The width of trench for sewer and drainage should be d+ 400mm. (d= o.d. of pipe).
15. Shoring / timbering should be adequate to prevent caving-in of the trench walls of subsidence of areas adjacent to the trench. an engineer-in-charge in consultation with a structural engineer should provide adequate arrangement to prevent caving-in.

NOTES : WATER SUPPLY RISER DIA. DETAILS

1. Domestic Riser
   Tower 1, 2, 3, 4, 5 & 6 = 50Ø
   Tower 7 = 40Ø Riser & 32Ø OHT Connection
   Club - : = 32Ø
   Commercial 1 & 2 = 25Ø
2. Flushing Riser
   Tower 1, 2, 3, 4, 5 & 6 = 40Ø
   Tower 7 = 32Ø
   Commercial 1 & 2 = 25Ø

LEGEND :

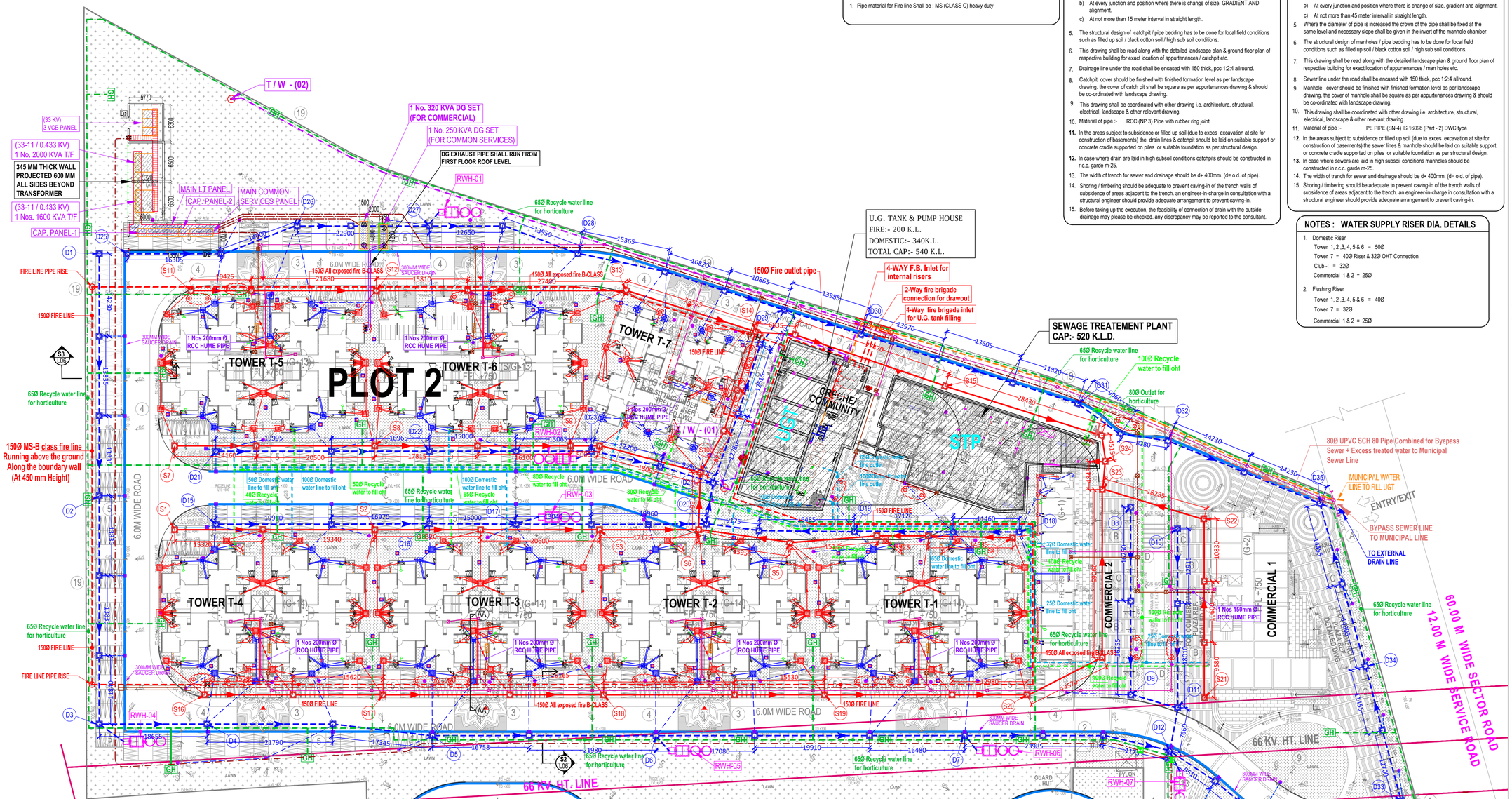
S. No.	SYMBOL	DESCRIPTION
1.	M.H.	MANHOLE
2.		SEWER LINE
3.		BYPASS SEWER LINE
4.	C.P.	CATCH PIT
5.		UNDER GROUND DRAIN
6.		DOMESTIC WATER LINE TO FILL OHT
7.		RECYCLE WATER LINE TO FILL OHT
8.		RECYCLED WATER SUPPLY PIPE LINE FOR HORTICULTURE
9.		RISING MAIN WATER PIPE LINE.
10.		MUNICIPAL WATER SUPPLY PIPE LINE.
11.		PROPOSED TUBE WELL
12.	GH	GARDEN HYDRANT
13.		RAIN WATER HARVESTING

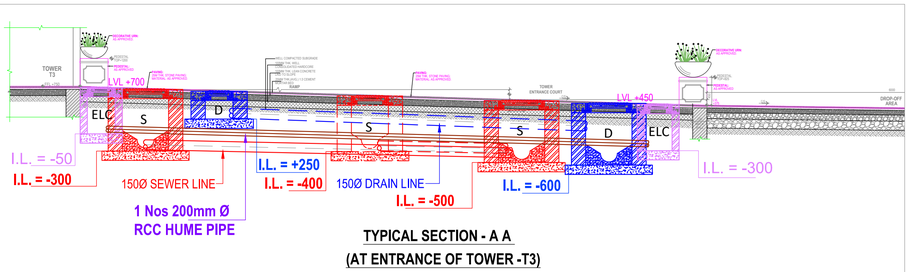
LEGEND : FIRE SYSTEM

S. No.	SYMBOL	DESCRIPTION
1.		FIRE LINE
2.		FIRE BRIGADE CONNECTION
3.		BUTTERFLY VALVE
4.		NONRETURN VALVE (CHECK VALVE)
5.		ISOLATING VALVE WITH MASONARY CHAMBER

LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.		HT CABLE BURIED IN GROUND AT DEPTH OF 1050 MM BELOW FINAL FINISHED GROUND LEVEL
2.		LT CABLE BURIED IN GROUND AT DEPTH OF 750 MM BELOW FINAL FINISHED GROUND LEVEL
3.		RCC HUME PIPE (FOR L.T. CABLES) AT 750 MM DEPTH
4.		CHAMBER 600 x 600 x 750 MM (FOR L.T. CABLES)
5.		CHAMBER 1000 x 1000 x 750 MM (FOR L.T. CABLES)
6.		CHAMBER 1000 x 1000 x 1200 MM (FOR H.T. CABLES)
7.		HDPE (DWC) PIPE (FOR LV CABLES) AT 600 MM DEPTH
8.		CHAMBER 450 x 450 x 600 MM (FOR L.V. CABLES OUTLET)





TYPICAL SECTION - A A
(AT ENTRANCE OF TOWER -T3)

R3	01-09-2022	DRAIN CATCH BASIN POSITION REVISED AS PER ESS/DG SETS/PANEL ROOM LOCATION CHANGED.
R2	25-03-2022	SERVICES COORDINATION DWG. ALONG WITH ELECTRICAL & LV CABLE ADDED.
R1	05-03-2022	ISSUE GFC.
Rev. No.	Date	Revision

Project :
SIGNATURE GLOBAL HOUSING SEC -89,
GURUGRAM, HARYANA

Title :
LAYOUT PLAN (PROXIMA 2)

Subtitle :
SERVICES CO-ORDINATION PLAN

Drawing Released For :
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☐ ADVANCE COPY ■ CONSTRUCTION

Drg. No : S-89 / PROXIMA 2 /ES-04

Scale : 1:375 **Drawn By :** Amit Kamboj

Date : Dec. 2021 **Design By :** Sanjay Goel

Ckd By : Anand Havelia

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