



LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.	M.H.	MANHOLE
2.	—●—	SEWER LINE
3.	—○—	CATCH PIT
4.	—○—	UNDER GROUND PIPE DRAIN
5.	—●—	SURFACE DRAIN LINE
6.	—●—	DOMESTIC WATER SUPPLY LINE
7.	—●—	RISEING MAIN LINE (FROM T/W TO U.G.T.)
8.	—●—	MUNICIPAL WATER SUPPLY LINE
9.	—●—	RECYCLED WATER SUPPLY PIPE LINE
10.	—●—	RECYCLED WATER SUPPLY LINE FOR FLUSHING
11.	—●—	MASONRY CHAMBER FOR ISOLATING VALVE
12.	—●—	GARDEN HYDRANT
13.	—●—	PROPOSED TUBE WELL
14.	—●—	DESILTING TANK SIZE = 5 X 1.75 X 2.0 m. RECHARGE PIT SIZE = 2 X 1.75 X 1.0 m.
15.	—●—	AIR RELEASE VALVE

NOTES : WATER SUPPLY	
1. The depth of domestic water supply main shall be	-1000 mm
2. The depth of recycle water supply main shall be	-900 mm
3. The depth of rising main shall be	-1000 mm
4. Pipe material for external water supply :-	
a) Domestic & recycle line shall be HDPE (PE100) PN10 OR PE80 / PN10	
b) Tube well rising main / municipal line shall be HDPE (PE100) PN8 OR PE80 / PN6	
5. Pipe material for all tower riser :- upvc (sch-80)	

ALL DOMESTIC TANK FILLING RISER = 40Ø
ALL FLUSHING TANK FILLING RISER = 32Ø

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) 1650 to 2250 m.m. depth	1200 m.m. dia.
d) Above 2250 m.m. depth	1500 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 discrepancy / omission 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 :- RCC (NP 3) Pipe with rubber ring joint	
12. In the areas subject to subsidence or filled up soil (due to excess 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, an engineer-in-charge in consultation with a structural engineer should provide adequate arrangement to prevent caving-in.	

STILT FLOOR PLAN
MANHOLE SIZE = 600x600
PIPE DIA = 150Ø
SLOPE 1 IN 100

FINAL UGT SLEEVE DETAIL TO
BE FOLLOWED FROM THE GFC
OF UGT DRAWING.

NOTES : SURFACE DRAINAGE SYSTEM	
1. For any discrepancy / omission the matter should refer to the consultants before execution.	
2. Slab culvert shall be provided at road crossing for surface drains.	
3. Top level of the drain shall flush with the proposed ground level of the respective area / as per landscape plan.	
4. The drain bedding shall have to be structurally designed for local site conditions such as filled up soil / black 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.	

Project:- **Ashiana Umang AT JAIPUR**

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Drg. Title: **LAYOUT PLAN**
Scale: - **1 : 650**
Date : - **Sep. 2014**
Issued For: **G.F.C.**

Subtitle: **SERVICES CO-ORDINATION LAN**
Drg. No: **UMANG / ES-04**
Design By: **Nitesh Kumar**
Ckd By: **Anand Havelia**

Drawn By: **Amit Kamboj**

RO	28-07-2015	ISSUED AS GFC
Rev	Date	Description