

DESIGN CHART SHOWING OF SEWERAGE SYSTEM FOR MANORATH

S.NO	Line	Length	Pipe Size(mm)	Slope(1 in 100)	Ground Level(m)		Invert Level(m)		Depth(m)		Type of Manhole	
					Start	End	Start	End	Start	End		
1	S1	S2	17.0	250	195	900	900	898.35	898.26	1.650	1.737	A
2	S2	S3	30.0	250	195	900	900	898.26	898.11	1.737	1.891	A
3	S3	S4	22.0	250	195	900	900	898.11	898.00	1.891	2.084	A
4	S4	S5	15.0	250	195	900	900	898.00	897.92	2.084	2.081	A
5	S5	S6	16.0	250	195	900	900	897.92	897.84	2.081	2.163	A
6	S6	S7	17.0	250	195	900	900	897.84	897.75	2.163	2.250	A
7	S7	S8	15.0	250	195	900	900	897.75	897.67	2.250	2.327	A
8	S8	S9	22.0	250	195	900	900	897.67	897.56	2.327	2.440	B
9	S9	S10	22.0	250	195	900	900	897.56	897.45	2.440	2.553	B
10	S10	S11	22.0	250	195	900	900	897.45	897.33	2.553	2.665	B
11	S11	S12	17.0	250	195	900	900	897.33	897.25	2.665	2.753	B
12	S12	S13	16.0	250	195	900	900	897.25	897.17	2.753	2.835	B
13	S13	S14	15.0	250	195	900	900	897.17	897.09	2.835	2.912	B
14	S14	S15	21.0	250	195	900	900	897.09	896.98	2.912	3.019	C
15	S15	S16	9.0	250	195	900	900	896.98	896.93	3.019	3.065	C
16	S16	S17	23.0	250	195	900	900	896.93	896.81	3.065	3.194	C
17	S17	S18	7.5	300	250	900	900	896.81	896.78	3.194	3.224	C
18	S18	STP	8.0	300	250	900	900	896.78	896.74	3.224	3.256	C

DESIGN CHART SHOWING OF DRAINAGE SYSTEM FOR MANORATH

S.No	Line No.	Length	Pipe Dia	Slope(1 in 100)	Ground Level (m)		Invert Level(m)		Depth(m)		Type of Manhole	
					Start	End	Start	End	Start	End		
1	D1	D2	6.0	250	200	900	900	898.35	898.32	1.650	1.680	A
2	D2	D3	3.0	250	200	900	900	898.32	898.31	1.680	1.695	A
3	D3	D4	8.0	250	200	900	900	898.31	898.27	1.695	1.735	A
4	D4	D5	15.0	250	200	900	900	898.27	898.19	1.735	1.810	A
5	D5	D6	6.0	250	200	900	900	898.19	898.16	1.810	1.840	A
6	D6	D7	7.0	250	200	900	900	898.16	898.13	1.840	1.875	A
7	D7	D8	23.0	250	200	900	900	898.13	898.01	1.875	1.990	A
8	D8	RW-1	22.0	250	200	900	900	898.01	897.90	1.990	2.100	A
9	RW-1	D9	4.0	250	200	900	900	897.90	897.88	2.100	2.120	A
10	D9	D10	13.0	250	200	900	900	897.88	897.82	2.120	2.185	A
11	D10	D11	11.0	250	200	900	900	897.82	897.76	2.185	2.240	A
12	D11	D12	17.0	250	200	900	900	897.76	897.68	2.240	2.325	A
13	D12	D13	28.0	250	200	900	900	897.68	897.54	2.325	2.465	B
14	D13	D14	17.0	250	200	900	900	897.54	897.45	2.465	2.590	B
15	D14	D15	11.0	250	200	900	900	897.45	897.40	2.590	2.605	B
16	D15	D16	13.0	250	200	900	900	897.40	897.33	2.605	2.670	B
17	D16	RW-2	4.0	250	200	900	900	897.33	897.31	2.670	2.690	B
18	RW-2	FLOW	1.0	250	200	900	900	897.31	897.31	2.690	2.695	B
19	D18	D19	16.0	250	200	900	900	898.35	898.27	1.650	1.730	A
20	D19	D20	10.0	250	200	900	900	898.27	898.22	1.730	1.780	A
21	D20	D21	8.0	250	200	900	900	898.22	898.18	1.780	1.820	A
22	D21	D22	23.0	250	200	900	900	898.18	898.07	1.820	1.935	A
23	D22	D23	16.0	250	200	900	900	898.07	897.99	1.935	2.015	A
24	D23	D24	12.0	250	200	900	900	897.99	897.93	2.015	2.075	A
25	D24	D25	11.0	250	200	900	900	897.93	897.87	2.075	2.130	A
26	D25	D26	28.0	250	200	900	900	897.87	897.73	2.130	2.270	A
27	D26	RW-3	1.0	250	200	900	900	897.73	897.73	2.270	2.275	A
28	RW-3	FLOW	1.0	250	200	900	900	897.73	897.72	2.275	2.280	A

- NOTES:-
- ALL PIPE DIAMETERS ARE IN MM.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
 - MANHOLES SHALL BE CONSTRUCTED AS PER STANDARD DETAILS.
 - SOIL WASTE & VENT PIPE WORK :- SOIL WASTE & VENT PIPE WORK SHALL BE CARRIED OUT IN uPVC PIPE AND FITTINGS TYPE-B CONFORMING TO IS-13592 MAKE: SUPREME
 - ALL HORIZONTAL SOIL AND WASTE PIPES SHALL BE LAID TO A SLOPE NOT FLATTER THAN 1:50 AND NOT STEEPER THAN 1:10 UNLESS SPECIFIED OTHERWISE.
 - WATER SUPPLY PIPE WORK :- WATER SUPPLY PIPE WORK SHALL BE CARRIED OUT IN CPVC (SDR-11) CONFORMING TO ASTM STANDARDS. ALL PIPE FITTINGS SHALL BE OF CPVC OF CLASS SAME AS PIPE CONFORMING TO ASTM STANDARDS SUITABLE FOR SOLVENT CEMENT JOINTS AS PER MFR.
 - NO PIPE WORK SHALL BE CONCEALED IN WALLS OR BURIED IN FLOORS WITHOUT BEING SUBJECTED TO WATER TESTING AS PER THE DIRECTION OF THE SITE ENGINEER.
 - WATER SUPPLY PIPES IN TOILETS SHALL RUN AT SKIRTING LEVEL UNLESS SPECIFIED OTHERWISE. NO WATER SUPPLY SHALL BE BURIED IN THE TOILET FLOOR.
 - WATER INLETS AND WASTE OUTLETS FROM SANITARYWARE SHALL BE ARRANGED TO SUIT REQUIREMENTS OF SELECTED MAKES AND MODELS.
 - ALL STONEWARE PIPES SHALL BE ENCASED IN 150 MM THICK 1:5:10 CEMENT CONCRETE ALL AROUND.
 - FLOOR TRAPS :- ALL FLOOR TRAPS SHALL BE FORMED OF 100X100 MM DIA 'S' TRAP WITH 110 MM DIA UPVC PIPE EXTENSION PIECE FOR SIDE INLETS.
 - FLOOR DRAIN :- DRAIN POINTS SHALL BE FORMED OF 75X75 MM DIA UPVC ELBOW WITH 75 MM DIA C.P. GRATING WITH FRAME.
 - WASTE PIPES :- ALL WASTE PIPE WORK FROM WASH BASINS, SINKS, URINALS AND DRAIN POINTS SHALL BE IN UPVC PIPES AND FITTINGS OF 8KG/CM PRESSURE RATING.

LEGEND:-

S.NO	DESCRIPTION	SYMBOL
1.	SEWERAGE MANHOLE	
2.	DRAINAGE CHAMBER	
3.	CATCH BASIN	
4.	SEWERAGE PIPE LINE	
5.	DRAINAGE PIPE LINE	
6.	RECHARGE WALL (2000X1500)	

REV. DATE DESCRIPTION APPD. C.D. SIGN.

WORKING DRAWING

PROJECT:-
GROUP HOUSING FOR MANORATH
 M/S MASCOT SOHO HOMES PVT. LTD.
 PLOT NO. GH-04B\1, SECTOR-16,
 GREATER NOIDA. (U.P.)

DRG. TITLE:-
 PLUMBING LAYOUT SITE PLAN

SCALE:-1:225

DRG. NO.:-S-PL-01

DLT.BY.:-KAMAL

DATE:-24/08/2015

ARCHITECTS:-
ANDLEYS ASSOCIATES PVT.LTD.
 ARCHITECTS ENGINEERS PLANNERS

39 HOUSING SOCIETY N.D.S.E-I NEW DELHI - 110049

CONSULTANT:-
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