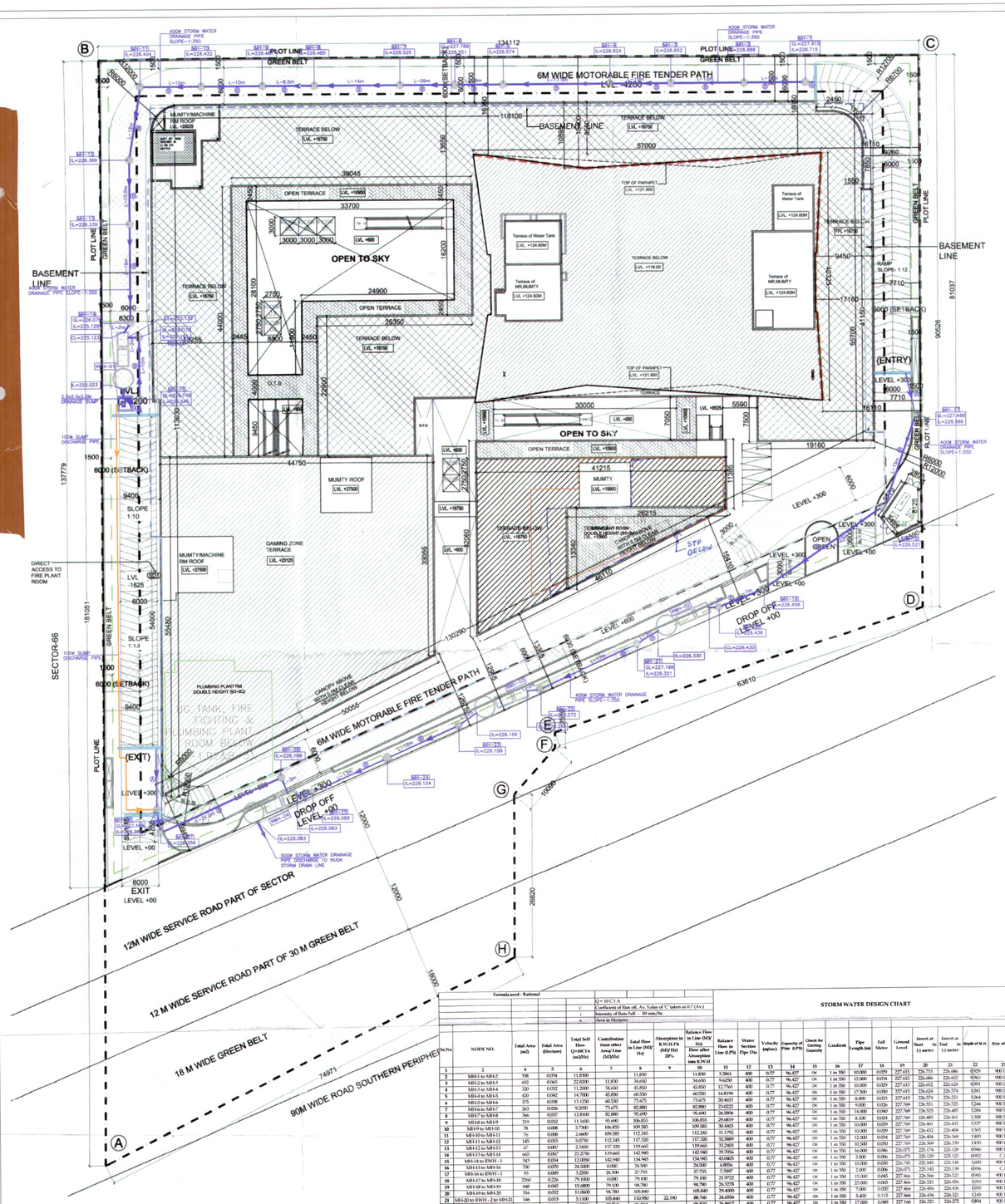


1 SITE PLAN
SCALE 1:250

AREA SUMMARY			
S.NO.	DESCRIPTION (PROPOSED)		SQ.M
1	TOTAL PLOT AREA (AS PER DEMAND)	4.418 ACRES	17879.017
2	PLOT AREA (ALIGNED CASE) FOR FAR CALCULATION	4.2788 ACRES	17312.500
3	PERMISSIBLE GROUND COVERAGE	50%	107.09.625
4	GROUND COVERAGE ACHIEVED	48.60%	8491.75
5	PERMISSIBLE FAR	350	59910.025
6	ADDITIONAL LEED 12% OF PLOT AREA	12%	2054.09
7	TOTAL FAR (PERMISSIBLE)	362%	61965.02
8	TOTAL FAR (ACHIEVED)	358.29%	62321.83
9	FAR REMAINING		403.19
10	SETBACKS (AS PER ZONING PLAN)	GM ON ALL SIDES	

FAR & CARPET AREA CALCULATION (ACHIEVED)					
S.NO.	FLOORS	FAR AREAS (SQ.M)	CARPET AREA	REFUGE AREA	LEVELS (M)
1	GROUND FLOOR	7690.897	5140.023		(+)0.7
2	FIRST FLOOR	5579.508	4065.990		(+)6.55
3	SECOND FLOOR	5735.822	4074.990		(+)11.05
4	THIRD FLOOR	5350.958	3922.562		(+)15.9
5	FOURTH FLOOR	3603.668	1407.734	125.016	(+)21.1
6	FIFTH FLOOR	1731.334	1498.479		(+)25.3
7	SIXTH FLOOR	1731.426	1530.613		(+)29.5
8	SEVENTH FLOOR	1721.204	1498.479		(+)33.7
9	EIGHTH FLOOR	3099.669	1451.185	125.805	(+)37.9
10	NINTH FLOOR	1714.679	1493.341		(+)42.1
11	TENTH FLOOR	1714.702	1527.184		(+)46.3
12	ELEVENTH FLOOR	3098.984	1367.324	125.805	(+)50.5
13	TWELTH FLOOR	1721.131	1530.613		(+)54.7
14	THIRTEENTH FLOOR	1721.204	1496.479		(+)58.9
15	FOURTEENTH FLOOR	1721.439	1530.613		(+)63.1
16	FIFTEENTH FLOOR	3085.189	1373.184	124.988	(+)67.3
17	SIXTEENTH FLOOR	1714.769	1492.082		(+)71.5
18	SEVENTEENTH FLOOR	1676.785	1526.769		(+)75.7
19	EIGHTEENTH FLOOR	3554.212	1368.175	124.988	(+)79.9
20	NINTEENTH FLOOR	1777.958	1613.744		(+)84.1
21	TWENTIETH FLOOR	1778.569	1615.470		(+)88.3
22	TWENTY FIRST FLOOR	1778.569	1615.470		(+)92.5
23	TWENTY SECOND FLOOR	3663.359	1483.587	125.005	(+)96.7
24	TWENTY THIRD FLOOR	1778.569	1615.470		(+)100.9
25	TWENTY FOURTH FLOOR	1777.958	1613.744		(+)105.1
26	TWENTY FIFTH FLOOR	3861.017	1488.368	124.989	(+)109.3
27	TWENTY SIXTH FLOOR	1777.958	1613.744		(+)113.5
28	TERRACE				(+)127.35
	TOTAL	61585.833	51499.954		

ECS (REQUIRED)			
S.NO.	DESCRIPTION	UNIT	REQUIRED
1	CARPET AREA	(SQ.M)	51499.954
2	1 CAR/30 SQ.M ON CARPET AREA	(NOS.)	1030

ECS PROVIDED				
	DESCRIPTION	PROVIDED	STACK PARKING	TOTAL
1	BASEMENT 01	166	0	166
2	BASEMENT 02	161	0	161
3	BASEMENT 03	105	97	292
4	BASEMENT 04	193		193
5	BASEMENT 05	715		715
	hatback car parking	4		4
	TOTAL ECS PROVIDED	934	97	1031

BUILT UP CALCULATION			
S.NO.	FLOORS	BUILT UP AREAS (SQ.M)	NON FAR AREAS (SQ.M)
1	BASEMENT 05	10518.467	10518.467
2	BASEMENT 04	9351.133	9351.133
3	BASEMENT 03	9239.677	9239.677
4	BASEMENT 02	10073.599	10073.599
5	BASEMENT 01	9534.859	9534.859
6	GROUND FLOOR	7890.897	0.000
7	FIRST FLOOR	5853.534	1335.6330
8	SECOND FLOOR	7138.192	1353.3700
9	THIRD FLOOR	3521.444	170.4480
10	FOURTH FLOOR	1868.400	264.7732
11	FIFTH FLOOR	1868.400	147.1396
12	SIXTH FLOOR	1868.400	146.5716
13	SEVENTH FLOOR	1868.400	147.1396
14	EIGHTH FLOOR	1863.240	363.5720
15	NINTH FLOOR	1863.240	146.5830
16	TENTH FLOOR	1863.240	146.5830
17	ELEVENTH FLOOR	1863.340	363.2560
18	TWELTH FLOOR	1868.400	147.2880
19	THIRTEENTH FLOOR	1868.400	147.1396
20	FOURTEENTH FLOOR	1868.400	146.9716
21	FIFTEENTH FLOOR	1863.850	295.0720
22	SIXTEENTH FLOOR	1863.240	146.4672
23	SEVENTEENTH FLOOR	1863.050	184.2880
24	EIGHTEENTH FLOOR	1924.380	350.1780
25	NINTEENTH FLOOR	1922.460	144.5032
26	TWENTIETH FLOOR	1923.050	144.4880
27	TWENTY FIRST FLOOR	1923.050	144.4880
28	TWENTY SECOND FLOOR	1923.050	360.6880
29	TWENTY THIRD FLOOR	1923.050	144.4880
30	TWENTY FOURTH FLOOR	1922.460	144.5032
31	TWENTY FIFTH FLOOR	1922.740	261.7720
32	TWENTY SIXTH FLOOR	1922.460	144.5032
33	TERRACE	325.000	325.000
34			
35			
	TOTAL	117196.440	55604.667

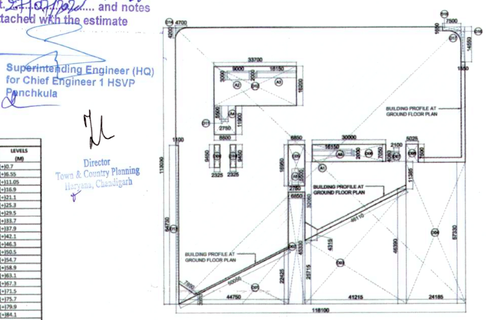
REFUGE AREA CALCULATION					
S.NO.	FLOOR	HEIGHT FROM FIRE TENDER PATH (-4.2M)	REFUGE AREA (REQUIRED)	REFUGE AREA (PROVIDED)	HEIGHT FROM LVL +0.0 LVL
1	FOURTH FLOOR	+ 25.350 FFL	125.097	125.016	+ 24.000 FFL (+)21.1
2	EIGHTH FLOOR	+ 42.100 FFL	124.032	125.805	+ 39.000 FFL (+)37.9
3	ELEVENTH FLOOR	+ 54.700 FFL	124.032	125.805	+ 51.600 FFL (+)50.5
4	FIFTEEN FLOOR	+ 71.500 FFL	123.997	124.988	+ 68.000 FFL (+)67.3
5	EIGHTEENTH FLOOR	+ 84.100 FFL	124.032	124.989	+ 84.000 FFL (+)79.9
6	TWENTY SECOND FLOOR	+ 100.900 FFL	124.018	125.005	+ 99.000 FFL (+)96.7
8	TWENTY FIFTH FLOOR	+ 113.500 FFL	124.032	124.989	+ 114.000 FFL (+)109.3

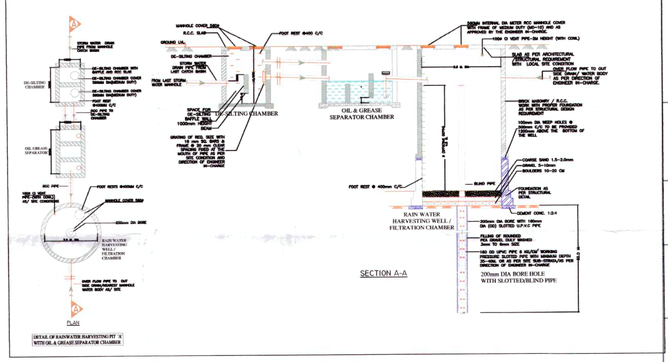
GROUND COVERAGE CALCULATION (ACHIEVED)							
GROUND COVERAGE = TOTAL FOOTPRINT AREA-TOTAL DEDUCTION AREA							
S.NO.	DESCRIPTION	QUANTITY	LENGTH 'X' (M)	LENGTH 'X' (M)	WIDTH/DIA (M)	FORMULA	AREA (SQ.M)
1	A1	1	118.100	113.030		Area of Rectangle = LXB	13348.843
2	A2	1	9.000	3.000		Area of Rectangle = LXB	27.000
3	A3	1	18.100	2.000		Area of Rectangle = LXB	32.300
4	A4	1	3.750	5.500		Area of Rectangle = LXB	33.125
5	A5	1	16.150	2.000		Area of Rectangle = LXB	32.300
6	A6	1	3.750	5.500		Area of Rectangle = LXB	33.125
A.	TOTAL AREA	ADDITION					13475.695
S.NO.	DESCRIPTION	QUANTITY	LENGTH 'X' (M)	LENGTH 'X' (M)	WIDTH/DIA (M)	FORMULA	AREA (SQ.M.)
1	D01	1	44.750	22.425		Area of triangle= (B/H)/2	501.758
2	D02	1	6.850	46.330		Area of Rectangle = LXB	317.511
3	D03	1	25.725	46.390	41.255	Area of trapezium(Sum of parallel sides)/2)*(	1485.904
4	D04	1	24.185	57.330		Area of Rectangle = LXB	1386.526
5	D05	1	6.850	38.950		Area of Rectangle = LXB	116.108
6	D06	1	30.000	7.050		Area of Rectangle = LXB	211.500
7	D07	1	3.100	4.080		Area of Rectangle = LXB	6.568
8	D08	1	5.025	7.500		Area of Rectangle = LXB	37.688
9	D09	1	2.325	9.450		Area of Rectangle = LXB	21.971
10	D10	1	2.325	9.450		Area of Rectangle = LXB	21.971
11	D11	1	6.800	11.900		Area of Rectangle = LXB	104.720
12	D12	1	39.700	16.200		Area of Rectangle = LXB	545.940
13	D13	1	1.100	66.750		Area of Rectangle = LXB	71.103
14	D14	1	4.700	4.200		As per plan	4.700
15	D15	1	7.100	1.850		Area of Rectangle = LXB	13.375
16	D16	1	1.550	14.550		Area of Rectangle = LXB	22.553
17	D17	1	0.500	46.750		As per plan	1.472
B.	TOTAL AREA	DEDUCTION					4869.468
C.	GROUND COVERAGE ACHIEVED (GA-B)						8605.226

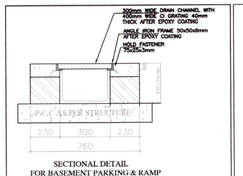
STAIRCASE SUMMARY								
SR.NO.	STAIRCASE	WIDTH(MM)				SEGREGATION	TYPE	NOTE
		(B05-B01)	(B01-Ground)	Ground-3rd	4th-Terrace	(Y/N)		
1	ST-01	2000	1500	2000	2000	G.F.	Fire Staircase	OUT OF TOTAL 6 STAIRCASES, 2 STAIRCASES (ST-02,ST-03) ARE SEGREGATED AT GROUND FLOOR IN OPEN TO SKY AREA & ST-06 IS SEGREGATED AT B01 IN OPEN TO SKY. THUS NBC REQUIREMENT OF MIN. 50% STAIRCASES OPENING DIRECTLY INTO OPEN TO SKY AREA IS MET.
2	ST-02	2000	2000	2000	1500	G.F.	Fire Staircase	
3	ST-03	1500	1500	2000	Terminates	G.F.	Fire Staircase	
4	ST-04	2000	1500	2000	Terminates	G.F.	Fire Staircase	
5	ST-05	2000	2000	2000	Terminates	B03(Staircase released near open to sky roof)	Fire Staircase	All staircases are pressurized
6	ST-06	2000	2000	2000	Terminates	B03(Staircase released in driveway open to sky)	Fire Staircase	

STORM WATER DESIGN CHART																						
Formula used - Rational								Q = 1/3 C I A														
								C	Coefficient of Run off, Av. Value of 'C' taken as 0.7 (Av.)													
								I	Intensity of Rain Full - 50 mm/hr.													
								A	Area in Hectares													
S.No.	NODE NO.	Total Area (sq)	Total Area (Hectare)	Total Self Flow Q=10CIA (m3/Hr)	Contribution from other Area/Line (M3/Hr)	Total Flow in Line (M3/ Hr)	Absorption in R.W.H.P.S (M3/Hr) 20%	Balance Flow in Line (M3/ Hr) Flow after Absorption into R.W.H	Balance Flow in Line (LPS)	Water Section Pipe Dia	Velocity (m/sec)	Capacity of Pipe (LPS)	Check for Carring Capacity	Gradient	Pipe Length (m)	Fall Meter	Ground Level	Invert at Start in (-) meter	Invert at End in (-) meter	Depth of M.H.		Size of M.H.
1	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
2	MH-1 to MH-2	338	0.034	11.8300		11.830		11.830	3.2861	400	0.77	96.427	OK	1 in 350	10.000	0.029	227.653	226.753	226.686	(0)929		900 DIA
3	MH-2 to MH-3	652	0.065	22.8200	11.830	34.650		34.650	9.6250	400	0.77	96.427	OK	1 in 350	12.000	0.034	227.653	226.686	226.602	(0)963		900 DIA
4	MH-3 to MH-4	320	0.032	11.2000	34.650	45.850		45.850	12.7361	400	0.77	96.427	OK	1 in 350	10.000	0.029	227.653	226.602	226.543	(0)909		900 DIA
5	MH-4 to MH-5	420	0.042	14.7000	45.850	60.550		60.550	16.8194	400	0.77	96.427	OK	1 in 350	17.500	0.050	227.653	226.624	226.574	(0)61		900 DIA
6	MH-5 to MH-6	375	0.038	13.1250	60.550	73.675		73.675	20.4653	400	0.77	96.427	OK	1 in 350	8.000	0.023	227.653	226.574	226.551	(0)64		900 DIA
7	MH-6 to MH-7	263	0.026	9.2050	73.675	82.880		82.880	23.0222	400	0.77	96.427	OK	1 in 350	9.000	0.026	227.769	226.525	226.483	(0)64		900 DIA
8	MH-7 to MH-8	366	0.037	12.8100	82.880	95.690		95.690	26.5806	400	0.77	96.427	OK	1 in 350	8.500	0.024	227.769	226.485	226.461	(0)30		900 DIA
9	MH-8 to MH-9	319	0.032	11.1650	95.690	106.855		106.855	29.6819	400	0.77	96.427	OK	1 in 350	10.000	0.029	227.769	226.461	226.432	(0)37		900 DIA
10	MH-9 to MH-10	78	0.008	2.7300	106.855	109.585		109.585	30.4403	400	0.77	96.427	OK	1 in 350	10.000	0.029	227.769	226.432	226.404	(0)65		900 DIA
11	MH-10 to MH-11	76	0.008	2.6600	109.585	112.245		112.245	31.1792	400	0.77	96.427	OK	1 in 350	10.000	0.029	227.769	226.404	226.369	(0)35		900 DIA
12	MH-11 to MH-12	145	0.015	5.0750	112.245	117.320		117.320	32.5889	400	0.77	96.427	OK	1 in 350	12.000	0.034	227.769	226.404	226.369	(0)35		900 DIA
13	MH-12 to MH-13	67	0.007	2.3450	117.320	119.665		119.665	33.2403	400	0.77	96.427	OK	1 in 350	10.500	0.030	227.769	226.369	226.336	(0)33		900 DIA
14	MH-13 to MH-14	665	0.067	23.2750	119.665	142.940		142.940	39.7056	400	0.77	96.427	OK	1 in 350	16.000	0.046	226.075	225.174	225.129	(0)46		900 DIA
15	MH-14 to RWH-1	343	0.034	12.0050	142.940	154.945		154.945	43.0403	400	0.77	96.427	OK	1 in 350	13.000	0.036	226.075	225.129	225.123	(0)952		C.L.
16	MH-15 to MH-16	720	0.070	24.5200	0.000	24.520		24.520	6.8056	400	0.77	96.427	OK	1 in 350	10.000	0.029	226.075	225.145	225.139	(0)936		C.L.
17	MH-16 to RWH-1	93	0.009	3.2550	24.500	27.755		27.755	7.7097	400	0.77	96.427	OK	1 in 350	10.000	0.029	227.466	226.566	226.523	(0)43		900 DIA
18	MH-17 to MH-18	2260	0.226	79.1000	0.000	79.100		79.100	21.9722	400	0.77	96.427	OK	1 in 350	25.000	0.065	227.466	226.523	226.456	(0)52		900 DIA
19	MH-18 to MH-19	448	0.045	15.6800	79.100	94.780		94.780	26.3278	400	0.77	96.427	OK	1 in 350	23.000	0.065	227.466	226.523	226.456	(0)52		900 DIA
20	MH-19 to MH-20	316	0.032	11.0600	94.780	105.840		105.840	29.4000	400	0.77	96.427	OK	1 in 350	7.000	0.020	227.466	226.456	226.436	(0)20		900 DIA
21	MH-20 to RWH - 2 to MH-21	146	0.015	5.1100	105.840	110.950	22.190	88.760	24.6556	400	0.77	96.427	OK	1 in 350	5.400	0.115	227.466	226.436	226.321	(0)45		900 DIA
22	MH-21 to MH-22	230	0.023	8.0500	88.760	96.810		96.810	26.8917	400	0.77	96.427	OK	1 in 350	17.000	0.049	227.196	226.321	226.272	(0)954		900 DIA
23	MH-22 to RWH - 3 to MH-25	1516	0.152	53.0600	96.810	149.870	29.974	119.896	33.3044	400	0.77	96.427	OK	1 in 350	5.000	0.114	227.196	226.272	226.158	(0)08		900 DIA
24	MH-23 to MH-24	2600	0.260	91.0000	119.896	210.896		210.896	58.5822	400	0.77	96.427	OK	1 in 350	12.000	0.034	227.196	226.158	226.124	(0)42		900 DIA
25	MH-24 to MH - 25	685	0.069	23.9750	210.896	234.871		234.871	65.2419	400	0.77	96.427	OK	1 in 350	13.000	0.037	227.166	226.124	226.089	(0)77		C.L.
26	MH-25 to RWH - 4	0	0.000	0.0000	234.871	234.871		234.871	65.2419	400	0.77	96.427	OK	1 in 350	3.000	0.010	227.166	226.266	226.256	(0)10		900 DIA
27	MH-26 to MH-27	390	0.039	13.6500	146.140	159.810		159.810	44.3917	400	0.77	96.427	OK	1 in 350	21.000	0.060	227.166	226.266	226.196	(0)70		900 DIA
28	MH-27 to MH-28	280	0.028	1.0500	159.810	160.860		160.860	44.6833	400	0.77	96.427	OK	1 in 350	2.000	0.006	227.166	226.196	226.190	(0)75		C.L.
29	MH-28 to RWH - 4	865	0.089	3.3188	160.860	164.179		164.179	45.6052	400	0.77	96.427	OK	1 in 350								
30	RWH-4 to EXTERNAL STORM LINE	0	0.000	0.0000	399.050	399.050	79.810	319.240	88.6777	500	0.89	174.833	OK	1 in 365	0.000	0.000	227.166	226.191	226.191			

2 GROUND COVERAGE DIAGRAM
SCALE 1:750





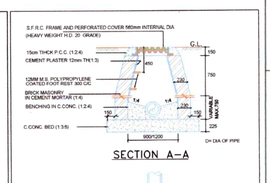


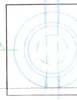
SECTIONAL DETAIL
FOR BASEMENT PARKING & RAMP
DRAIN CHANNEL WITH GRATING
SCALE-N.T.S.

GL	GROUND LEVEL
IL	INVERT LEVEL
CL	CONNECTING LEVEL

MANHOLE SHEDULE

MANHOLE SIZE	DEPTH IN MM
900 MM DIA	900–1650 DEEP
1200 MM DIA	1650–2300 DEEP
1500 MM DIA	2300 TO 9000





PLAN
CONICAL MANHOLE 900/1200 DIA
(CPWD SPECIFICATIONS–1977 CLAUSE – 20.4 FIG.107)

Checked subject to comments in forwarding letter No. 7/11/18 Dt. 27/07/2020 and notes attached with the estimate

Superintending Engineer (HQ) for Chief Engineer 1 HSVP Panchkula

Director
Town & Country Planning
Haryana, Chandigarh

Only for Service Plan Estimate

Executive Engineer
HSVP Division No. IV
Gurugram

This is a " PROVISIONAL APPROVED BUILDING PLA... only for entrance of ... ing objection from the general public

Architect (HQ)
Directorate of Town and Country Planning, Haryana, Chandigarh

Engineer,
... Circle-I, Gurugram

Addl. Chief Engineer
HSVP, Gurugram

Rajesh Dutt
JD(HQ)

ARCHITECT:
DESIGN FORUM INTERNATIONAL
K-47, KAILASH COLONY
NEW DELHI
TEL : 011 - 46556600

STRUCTURE CONSULTANT:
VINTECH CONSULTANTS
C 35, PAMPOSH ENCLAVE, GREATER KAILASH I,
NEW DELHI, DELHI 110048
Tel 011-4314 1516

MEP CONSULTANT:
SANELAC CONSULTANTS PVT LTD
C-642, Okhla Industrial Area, Phase-II,
New Delhi-110020
Tel : 26385310, 40503959

NOTES:
1. ALL DIMENSIONS ARE IN MM.
2. GATE AND BOUNDARY WALL SHALL BE AS PER STANDARD DESIGN.
3. SPRINKLERS WILL BE PROVIDED IN ENTIRE BUILDING INCLUDING BASEMENTS AS PER N.B.C.
4. RAIN WATER HARVESTING SYSTEM WILL BE PROVIDED AS PER APPLICABLE NORMS.
5. 100% POWER BACK UP WILL BE PROVIDED FOR LIFTS & ESSENTIAL SERVICE AREAS.
6. DISABLED RAMP @ 1:12 SLOPE WITH 900MM HIGH RAILING.
7. ALL BUILDINGS ARE MECHANICALLY VENTILATED AND FULLY AIR CONDITIONED.

PROJECT:
BUILDING PLAN OF COMMERCIAL COLONY MEASURING 4.418 ACRES (LICENCE NO. 197 OF 2008 DATED 05-12-2008) IN SECTOR 66, GURGAON MANESAR URBAN COMPLEX, BEING DEVELOPED BY M/S R. C. SOOD & CO.
C/O ADVANCE INDIA PROJECTS LIMITED,
THE MASTERPIECE, GOLF COURSE ROAD,
SECTOR 54, GURUGRAM - 122002, HARYANA, INDIA

ARCHITECT'S SIGNATURE:
Abhishek Jain
CA/2019/114861

CLIENT'S SIGNATURE:
For R. C. Sood & Co. Pvt. Ltd. Co-Advance India Projects Limited
Authorised Signatory

Advance India Projects Limited
Authorized Signatory

DRAWING TITLE:
SITE PLAN
STORM WATER
DRAINAGE LAYOUT

DRAWING NO:
01 AIPL-SE-PL-02

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