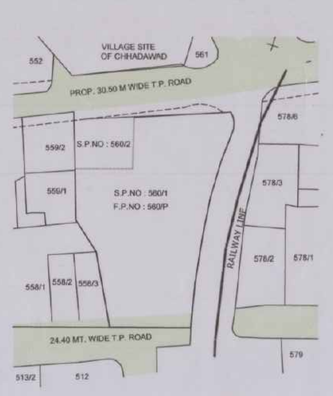
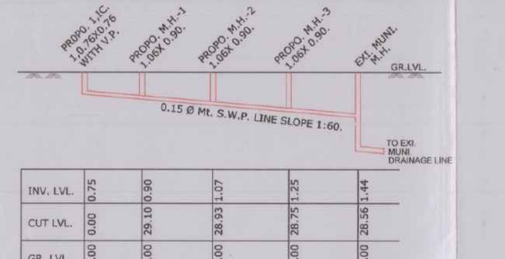
PDF Compressor Free Version

LAY OUT PLAN

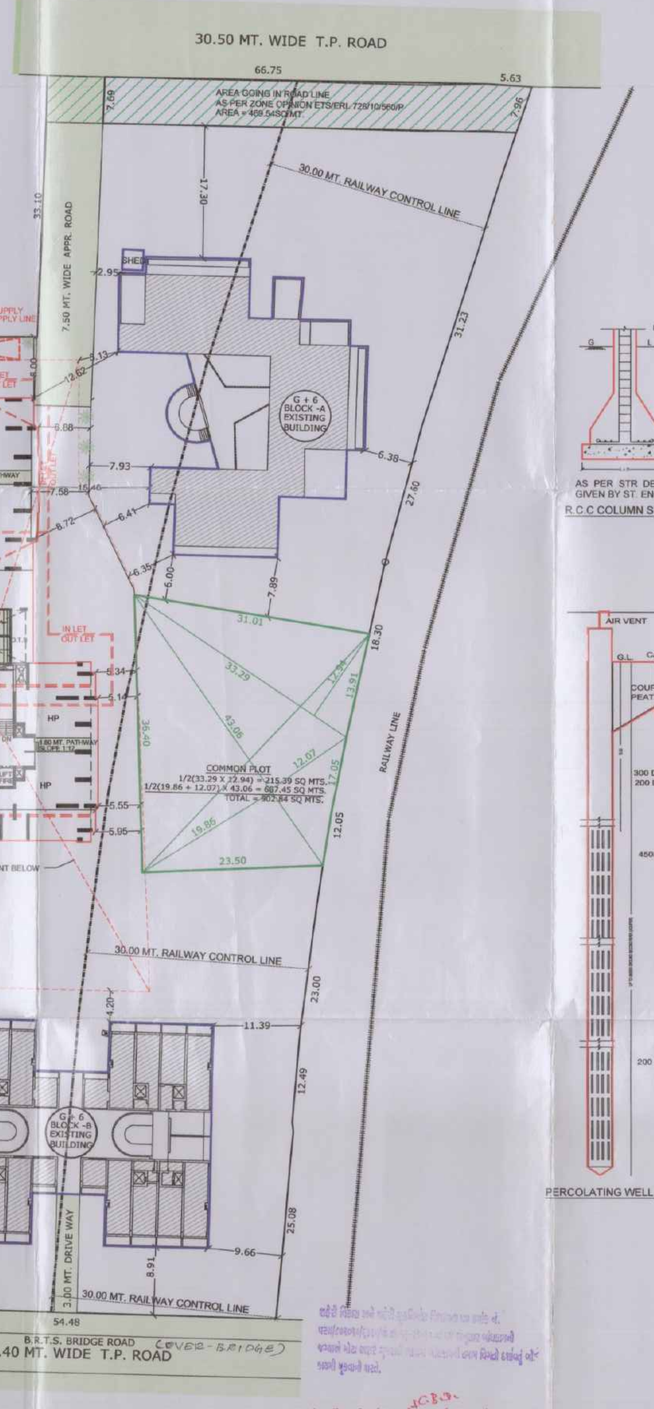


KEY PLAN
SCALE : 1.00 CM = 2.00 MT

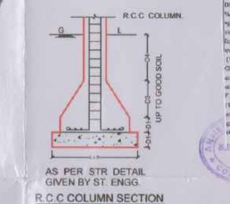


INV. LVL.	0.75					
CUT LVL.	0.00	29.10	0.90			
GR. LVL.	30.00	30.00	28.93	1.07		
DISTANCE	0.00	8.76	18.98	30.00	28.75	1.25
				29.94	30.00	28.56	1.44
					41.69	30.00	28.56	1.44

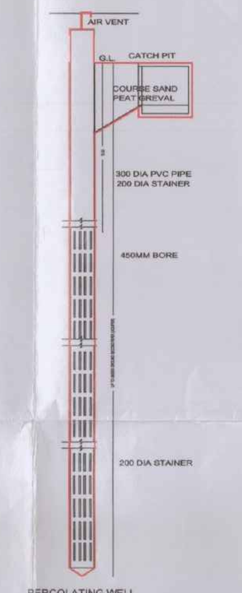
DRAINAGE SECTION
SCALE:- 1C.M. = 1MT. (VERTI.)
1C.M. = 5MT. (HORI.)



LAY OUT PLAN
SCALE : 1.00 CM = 4.00 MT



R.C.C COLUMN SECTION



PERCOLATING WELL

(1) HYDRANT SYSTEM :-
ON/OFF SWITCHES LOCATED NEAR THE HOSE REEL HOSE OR HYDRANT OUTLET, AT EACH FLOOR FOR THE MAIN FIRE-PUMP AT UNDERGROUND WATER TANK WITH A CAPACITY TO DISCHARGE
900 LITERS PER MINUTE AT 3 BAR PRESSURE AS MEASURED AT
THE TERRACE LEVEL SHOULD BE INSTALLED.
THE RISER FOR THE BUILDINGS EXCEEDING 18 MITERS HEIGHT
SHOULD NOT BE OF LESS THAN 100 MM. INTERNAL DIAMETER.
THE RISER SHOULD BE CONNECTED TO THE BOTTOM OF THE
TERRACE TANK WITH A STOP VALVE AND A NRV TO ACT A DOWN-
COMER.
ONE RISER IS REQUIRED FOR EVERY 1000 SQ. METERS FLOOR AREA AND IF THE BUILDING IS DIVIDED INTO, TWO OR MORE PART THEIN EACH PART SHOULD HAVE A SEPARATE RISER WITH ALL THE FITTINGS AT EACH FLOOR LEVEL.
EACH FLOOR SHOULD HAVE ONE
HYDRANT OUTLET WITH A
COUPLING FOR ATTACHING A 63 MM. DIA . HOSE 25 MM. BORE
HOSE- REEL HOSE WITH 8 MM. SHUT- OFF NOZZLE AT EACH
FLOOR LANDING. THE LENGTH OF THE HOSE SHOULD BE ENOUGH
TO REACH THE FARTHIEST CORNER OR THE FLOOR. HOSE-BOX WITH
15 METERS LONG 63 MM. DIA. HOSE AND 12.5 MM. BORE NOZZLE AT
ALTERNATE FLOORS. THE HOSE-REEL HOSE SHOULD BE COUPLED
TO THE RISER.
FIRE - SERVICE INLET SHOULD BE
INSTALLED AT A POINT NEAR THE ENTRY TO THE PERMISES WHERE A FIRE SERVICE VEHICLE CAN APPROACH EASILY.
A PERMANENT HYDRANT POINT COMPRISING OF 63 MM DIA SIZE 2 NOS OF HYDRANT VALVES SHOULD BE INSTALLED AT THE TERRACE LEVEL.
OVERHEAD TANK REFILLING BY/ASS CONNECTION SHOULD BE DONE AT THE TERRACE LEVEL.
THE OVERHEAD TANK SHALL BE OF A CAPACITY OF NOT LESS THAN 20,000 LITERS. THE UNDERGROUND TANK SHALL BE OF NOT LESS THAN 1,00,000 LITERS.
(2) FIRE LIFT :-
THE FIRE-LIFT AND ALL LIFTS SHOULD HAVE A PROVISION TO GROUND TO AUTOMATICALLY IN CASE OF ELECTRICITY FAILURE . EACH BUILDING SHOULD HAVE AT LEAST ONE LIFT AS A FIRE -LIFT AND IF THE BUILDING IS DIVIDED INTO A MORE PARTS THEN EACH PART SHOULD HAVE A FIRE-LIFT. LIFT-WELL SHOULD HAVE BLOWERS TO PRESSURIZE THE LIFT -WELL SO CONNECTED THAT IT WILL AUTOMATICALLY OPERATE WHEN ALARM CALL POINT IS OPERATE, SO THAT IF PREVENTS THE LIFT WELL GETTING SMOKE LOGGED.
(3) FIRE ALARM:-
FIRE ALARM CALL POINT TO BE INSTALLED AT EACH FLOOR WITH SOUNDERS CAPABLE OF BEING HEARD ALL THROUGHOUT THE BUILDING .
(4) FIRE EXTINGUISHERS :-
ONE CARBON DIOXIDE (CO 2) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK, AND ONE EXTINGUISHER OF 5 KG. DRY CHEMICAL POWDER (DCP) TYPE EXTINGUISHER WITH ISI MARK TO INSTALLED ON EACH FLOOR IN CASE OF COMMERCIAL BUILDING .
ONE CARBON DIOXIDE (CO 2) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK, OR TWO CARBON DIOXIDE (CO 2) TYPE EXTINGUISHER OF 2 KG. CAPACITY ON EACH FLOOR AND 5 KG. DRY CHEMICAL POWDER (DCP) WITH ISI MARK TYPE EXTINGUISHER ON ALTERNATE FLOOR IN CASE OF RESIENTIAL BUILDINGS.
IF THE BUILDING IS DIVIDED INTO TWO OR MORE PARTS THEN EACH PART SHOULD HAVE THESE EXTINGUISHERS INSTALLED .
(5) STAIRCASE :-
THE STAIRCASE HAS TO BE OPEN FROM AT LEAST ONE OR TWO SIDES BUT IF THE STAIRCASE IS IN THE CENTRE CORE OF THE BUILDING IT HAS TO BE PRESSURIZED TO PREVENT IT FROM GETTING SMOKE LOGGED.
THE RISER / DOWN - COMER SHOULD BE LOCATED IN THE STAIRCASE OR CLOSE TO IN TO MAKE IT EASILY APPROACHABLE IN CASE OF FIRE FROM THE FLOOR BELOW OR ABOVE
(6) BASEMENT :-
THE BASEMENT OF 200 SQ. METERS OR MORE SHOULD BE PROTECTED WITH AUTOMATIC SPRINKLER SYSTEM WITH AT LEAST ONE SPRINKLE HEAD FOR ACTUAL CAR PARKING SPACE.
ADDITIONALLY BE PROTECTED BY A HYDRANT OUTLET AND TWO 25 MM. BORE HOSE-REEL HOSES WITH 8MM . BORE NOZZLES AT EACH BASEMENT LEVEL.
(7) LIGHTENING ARRESTER :-
A LIGHTENING ARRESTER SHOULD ALSO BE INSTALLED AND BE PROPERLY EARTHED TO PREVENT DAMAGE TO THE BUILDING WHEN THE LIGHTENING STRIKES.
(8) PHOTO LUMINESCENT (AUTO GLOW) SIGNAGES:-
IF THE BUILDING FALLS IN A CONFINED AREA OR IF IT HAS AN ENCLOSED STAIRCASE OR IS NOT WELL LIT-UP ON THE INSIDE, THEN ADEQUATE PHOTO LUMINESCENT (AUTO GLOW) SIGNAGE'S SHOULD BE DISPLAYED AT EACH FLOOR / LANDING / PATHWY / DEAD-END AND ALONG ALL EXIT ROUTES LANDING TO THE GROUND LEVEL. THE SIGNAGE SHOULD INDICATE FIRE FIGHTING, FIRE SAFETY, FIRST-AID AND OTHER SAFETY EQUIPMENT PRESENT ON THE RESPECTIVE FLOOR / LANDING / PATHWAY / DEAD - END AND ALONG ALL EXIT ROUTES LEADING TO THE GROUND LEVEL.
(9) ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE - SAFETY SYSTEM
ELECTRICITY SUPPLY TO THE FIRE PUMP, FIRE ALARM SYSTEM, STAIRCASE PRESSURIZATION SYSTEM AND FIRE LIFT SHOULD BE MADE AVAILABLE FROM THE MAIN ELECTRICAL SUPPLY, (I.E. FROM ELECTRICAL POWER SUPPLY OF THE COMPANY) THIS IS TO ENSURE AVAILABILITY OF POWER SUPPLY TO THE FIRE PROTECTION & SAFETY SYSTEM EVEN AFTER THE MAIN ELECTRICAL SUPPLY TO THE BUILDING IS SWITCHED OFF THE TIME OF FIRE.
(10) IMPORTANT INSTRUCTIONS :
AFTER INSPECTION OF A LOW-RISE BUILDING BY THE FIRE SERVICES AUTHORITY , IF THE FIRE OFFICER CONCERNED FEELS THE NEED FOR ADDITIONAL FIRE PREVENTION / PROTECTION / VENTILATION SYSTEM REQUIRED OR EQUIPEMENT (I.E. PASSIVE SYSTEM / SPRIKLER / DRENCHER ETC.) AS PER FIRE LOAD) FIRE RISK / PUBLIC GETHERING. POTENTIAL / OCCUPANCY / CONFINED AREA, THOSE ADDITIONAL MEASURES / EQUIPEMENT HAVE TO BE IMPLEMENTED / INSTALLED.

AREA TABLE			IN SQ MTS		
FLOOR	USE	UNIT	FL. AREA	F.S.I AREA	B.UP AREA
2nd basement	PARKING	---	---	---	3387.29
1st Basement	PARKING	---	---	---	3387.29
GR FL.	PARKING	---	---	---	1956.13
1st.FL.	RESI.	09	1068.00	1173.71	1441.66
2nd.FL.	RESI.	09	960.00	1054.91	1322.86
3rd.FL.	RESI.	09	960.00	1054.91	1322.86
4th.FL.	RESI.	09	960.00	1054.91	1322.86
5th.FL.	RESI.	09	960.00	1107.00	1374.95
6th.FL.	RESI.	09	960.00	1054.76	1349.95
7th.FL.	RESI.	09	960.00	1054.76	1349.95
8th.FL.	RESI.	09	960.00	1054.76	1349.95
9th.FL.	RESI.	09	960.00	1054.91	1322.86
10th.FL.	RESI.	09	960.00	1054.91	1322.86
11th.FL.	RESI.	09	960.00	1054.91	1322.86
12th.FL.	RESI.	09	960.00	867.68 + 187.08 1054.76	1349.95
13.FL.	RESI.	09	960.00	1054.76	1349.95
14th.FL.	RESI.	09	960.00	1054.76	1349.95
15th.FL.	RESI.	09	960.00	1107.00	1374.95
16th.FL.	RESI.	09	1066.69	1073.55	1341.50
17th.FL.	RESI./GYM INDOOR GAMES	07	1066.69	1208.52	1499.75
18th.FL.	RESI. COMMON AMENITES	06	1066.69	1208.52	1476.49
19th.FL.	RESI. + C. AMENITES SWIMING POOL	07	1066.69	993.77	1267.95
20th.FL.	RESI.	07	864.55	875.15	1143.10
21th.FL.	RESI.	07	864.55	875.15	1143.10
22th.FL.	RESI.	07	785.87	804.38	1143.10
23th.FL.	RESI.	01	668.52	735.26	1070.33
24th.FL.	RESI.	07	718.93	728.81	996.76
25th.FL.	RESI.	01	655.24	733.00	973.33
STAIR CABIN	---	---	---	---	278.11
L.M ROOM O.H.W.T.	---	---	---	---	243.07
TOTAL	---	194	23332.42	25281.84	41535.72

NOTES:-
- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE AND MARGIN
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MAINHOLE IS VERYFIED ME ON SITE AND PREMISES GATES DRAINNAGE CONNECTION
- IT IS CERTIFY THAT ACCORDING TO DRAFT G.D.R ALL REQUIRMENTS OF THE BUILDING ARE CHECKED AND NECESSARY ACTION ARE TAKEN.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO :4.5.3 OF THE G.D.C R 2021, THE STRUCTURE OF THE BUILDING IS DESIGN AS PER THE NORMS OF THE INDIAN STANDARDS.
- DESIGN OF STAIRCASE AND RAILING IS PROVIDED AS PER THE PROVISION OF THE CLUSE NO.23.1.12 AND 23.14 AND 24.5 OF G.D.C.R 2021
- PEDESTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLUSE NO. 23.1.5 OF G.D.C.R 2021
- LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23. 12 AND 24.7 OF G.D.C.R 2021
- WATER TANK IS PROVIDE AS PER THE PROVISION OF THE CLAUSE NO. 23.6 OF G.D.C.R 2021
- SEPARATE LETTER BOX IS PROVIDED AT ROUND LEVEL FOR EACH UNIT
- WATER TANK FOR FIRE SAFETY REQUIREMENT PROVIDED AS PER CHAPTER NO . 24 OF G.D.C.R 2021
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 23.11
- DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER THE CLAUSE NO.23.6.2
- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO 23.10
- SIGNAGES OF THE PARKING PLACES IS TO BE PROVIDED AS PER THE CL. NO.23.7 OF THE G.D.C.R 2021
- THE PAVING OF BUILDING UNIT/FIN. PLOT AS PER THE PROVISION OF THE CLAUSE NO. 23.1.4 OF G.D.C.R 2021
- THE STRUCTUE OF THE BUILDING IS PER THE NORMS OF THE SPECIFIED IN THE INDIAN STANDARD AND TAKE NECESSARY ACTION FOR THE STRUCUTRAL SAFETY DURING THE CONSTRUCTION
- RAIN WATER STORAGE TANK AND RAIN WATER HARVESTING SYSTEM IS PROVIDED AS PER THE CLAUSE NO 27.2 OF DRAFT G.D.C.R 2021
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CAUSE NO 27.3 OF G.D.C.R 2021
- GREY WATER RECYCLING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 27.4 OF G.D.C.R 2021
- TREE PAUNTATION IS PROVIDED AS PER THE CLAUSE NO.27.5 OF G.D.C.R 2021
- SOLAR WATER HEATING SYSTEM IS PROVIDED AS PER THE CLAUSE NO.27.6 OF THE G.D.C.R 2021
- POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO.28 OF G.D.C.R 2021
- FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER NO.24 OF DRAFT G.D.C.R 2021
- MAINTANANCE AND UPGRADATION OF BUILDING IS PER CHAPTER NO.29 OF G.D.C.R 2021
- ALL DUCTS PASS THROUGH FIRE WALLS OR FLOORS,THE OPENING AROUND THE DUCT SHALL BE SEALED WITH MATERIAL HAVING FIRE RESISTANCE.(24.19.3)
- WHOLE OF THE BUILDING ALL ENCLOSURES PROVIDE AS SMOKE PROOF ON ALL FLOORS INCLUDING OFFICES.
- PROVIDED LIFT CAPACITY SHALL BE 8,10 & 15PERSON
- LETTER BOX IS PROVIDED AT GR.LVL. FOR EACH SEPARATE UNIT
- FIRE LIFT IS PROVIDED AS PER G.D.C.R 2021 CL. NO. 24.8.3

(11) LENGED

1		FIRE HYDRANT SYSTEM PIPE MAIN
2		SINGEL HEADED HYDRANT VALVE
3		SLUICE VALVE
4		TWOWAY SIAMES CONNECTION
5		RISE OR DROP
6		NON RETURN VALVE
7		REDUCER
8		FIRE HOUSE BOX
9		HOSE REEL HOSE
10		D.C.P. &CO.2
11		HYDRAUNT VALVE

SCHEDULE OF PUMPS AND EQUIPMENTS

SYMBOL	DESCRIPTION	NOS	WORKING
F1.	DIESEL ENGINE PUMP	1	1
F2.	MAIN FIRE PUMP (ELECTRIC OPERATED)	1	1
F3.	JOCKEY PUMP (COMMON)	1	1
F4.	SPRINKLER PUMP (ELECTRIC OPERATED)	1	1

LEGEND:-
SYMBOL DESCRIPTION
- 150Ø WET RISER
- 80ØDRAIN PIPE
- 150ØSPRINKLER RISER FOR UPPER FLOORS
- 150Ø MAKE UP LINE.
- 150ØSPRINKLER RISER FOR UPPER BASEMENT
- SPRINKLER HEAD (SIDE WALL)
- SPRINKLER HEAD (PENDENT TYPE)
- FHC
- 9 Lts MECHINICAL FOAM TYPE
- 4.5 Kg CO2FIRE EXTINGUSHER
- 22.5 KG CO2 TYPE EXTINGUISHER
- 50 Lts MECHINICAL FOAM TYPE

SHEET NO : 1

LAY OUT PLAN SHOWING PROPOSED HIGH RISE RESIDENCE BUILDING F.P.NO 560/P , S.P.NO. 560/1, T.P.S.NO.3 (ELLIS BRIDGE) VARIED FINAL, VILLAGE :ELLIS BRIDGE ,TAL.: CITY, DIST: A'BAD.

SCALE	1.00 CM = 4.00 MT
ZONE	(CENTRAL BUSINESS DISTRICT)-CBD
USE OF THE CONST.	RESIDENCE

AREA TABLE	IN SQMTS
PLOT AREA OF S.P.NO. 560/1	4682.27
PROP. BUP AREA ON GR.FL.	1956.13
OPEN SPACE	2726.14

F.S.I AREA TABLE		IN SQMTS
PLOT AREA OF S.P.NO. 560/1		4682.27
PERMI. F.S.I. AREA @ 1:1.8		8428.08
PERMI. CHARGABLE F.S.I. AREA @ 90%		4214.04
PROP. CHARGABLE F.S.I. AREA		4214.04
TOTAL PERMI. F.S.I. AREA @ 2.70 %		12642.13
TOTAL PROP. F.S.I AREA		25281.84
HIRE F.S.I OF C.B.D	(25281.84-12642.13) =	12639.71
PLOT AREA OF S.P.NO. 560/1		4682.27
TOTAL PERMI. F.S.I @ 5.40%		25284.25
TOTAL PROP. F.S.I		25281.84
BALANCE F.S.I AREA	(25284.25 - 25281.84) =	2.41

F.S.I AREA TABLE FOR C.B.D.	IN SQ.MT.
PLOT AREA OF S.P.NO. 560/1	4682.27

	PERMI. FSI	USED FSI
PERMI. FSI AS PER BASE ZONE @ 1.8	8428.08	8428.08
PERMI. CHARG. FSI AS PER BASE ZONE @ 0.9	4214.04	4214.04
AS PER C.B.D. ZONE HIGHER CHAG. FSI @ 1.3	6086.95	6086.95
AS PER C.B.D. ZONE HIGHER CHAG. FSI @ 1.4	6555.18	6552.77
AS PER BASE ZONE REGU. FSI + CHAR. FSI + C.B.D. ZONE HIGHER CHAG. FSI @ 1.3 + C.B.D. ZONE HIGHER CHAG. FSI @ 1.4 = TOTAL FSI AREA @ 5.4	25284.25	25281.84

COLOURS NOTES

PLOT BOUNDRY	PROP DR LINE		DUST BIN
PROP WORK	ROAD		PERCOLATING WELL
PROP DR LINE	RAMP		TREES
PARKING	EXIST. BUILDING		

PERCOLATION AREA TABLE:-
PLOT AREA = 4682.27 SQ.MTS
REQ. 4682.27 / 1500 TO 4000 / 1 = 2 NOS.
PROVI. ON OPEN MARGINE = 2 NOS.

TREE PLANTETION AREA TABLE:-
PLOT AREA = 4682.27 SQ.MTS
REQ. = 200 SQ.MT/3 TREE = 4682.27/200 X 3 = 71 NOS. TREE
PROVI. ON OPEN MARGINAL SPACE = 71 NOS. TREE

DUST BIN AREA TABLE
CONTAINER BIN AREA CAL.
RESI : 1 UNIT 10 LIT. REQ. 1 CONTAINER
TOTAL UNIT 194 X 10 LIT. = 1940 LIT.
1940/80 = 24.25 SAY 25 NOS. CONT.
REQ. 25 NOS BIN OF 80 LIT CAP.
TOTAL 25 NOS BIN REQ / PROV.

FOR, MIRAJ IMPEX PVT. LTD.
DEVELOPER / AUTHORISED OWNER

MOHAMED ASHFAQ SHAIKH
B/403, LAXMI TOWER-2,
MIRA ROAD,THANE, MUMBAI.
COW No.CW0687220920
GRADE - 1
C.O.W.

SAILESH R. MAHIMTURA
LD 0485070620
Unitue House, 25 S.A. Brelvi Road, Fort, Mumbai
ST-ENGINEER.

MIRAJ IMPEX PVT. LTD.
CHINMAY N. SHAH (DIRECTOR)
A/63 SILVER ARC. NR. TOWN HALL, ELLISBRIDGE, AHMEDABAD.
DEVELOPER LICENCE No. DEV 090260120
DEVELOPER

HEMANT HASMUKHBHAI SHAH
4, Sardar Patel Nagar, Ellisbridge, Ahmedabad:-6.
ARCH. LIC. No. A R 0 5 0 0 2 0 1 6 1 5
ENGINEER.

FOR SILVER ARC MEMBER'S ASSOCIATION (PART-B')
CHAIRMAN SECRETARY
OWNER AUTHO.SIGN.

RESPONSIBILITY (G.D.C.R.-2021 CL. NO. 47.4.1 & 4.5) :-
APPROVAL OF DRAWINGS AND ACCEPTANCE OF ANY STATEMENT, DOCUMENTS, STRUCTURAL REPORT, STRUCTURAL DRAWINGS, PROGRESS CERTIFICATE OR BUILDING COMPLETION CERTIFICATES SHALL NOT DISCHARGE THE OWNER, ENGINEER, ARCHITECT, CLERK OF WORKSIITE SUPERVISOR, STRUCTURAL DESIGNER OR DEVELOPER, OWNER FROM THEIR RESPONSIBILITIES, IMPOSED UNDER THIS ACT, THE DEVELOPMENT CONTROL REGULATIONS AND THE LAWS OF TORT AND LOCAL ACTS.
LIABILITY (G.D.C.R.-2021 CL. NO. 33.1) :-
NOTWITHSTANDING ANY DEVELOPMENT PERMISSION GRANTED UNDER THE ACT AND THESE REGULATIONS, ANY PERSON UNDERTAKING ANY DEVELOPMENT WORK SHALL CONTINUE TO BE WHOLLY AND SOLELY LIABLE FOR ANY INJURY OR DAMAGE OR LOSS WHATSOEVER THAT MAY BE CAUSED TO ANY ONE IN OR AROUND THE AREA DURING SUCH CONSTRUCTION AND NO LIABILITY WHATSOEVER IN THIS REGARD SHALL BE CAST ON THE AUTHORITY.

Ahmedabad Municipal Corporation
Case No. : BHNTS/WZ/110216/GCR/A3717/R9/M1 Zone: West
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number : 6021/1621/A3717/R9/M1
Date : 18/05/2016

Asst. Engineer (Civic Center) | Asst. T.D.O.,Asst. E.O. Dy T.D.O. West | Nilesh Baranda | ARJAV J. SHAH Dy.M.C.,West Z

AUTHORITY.

SCRUTINIZE COPY 3746 19/2/16 TDO, BFSP, AMC

S.P.S.P. (T.P.O.) AHMEDABAD MUNICIPAL CORPORATION