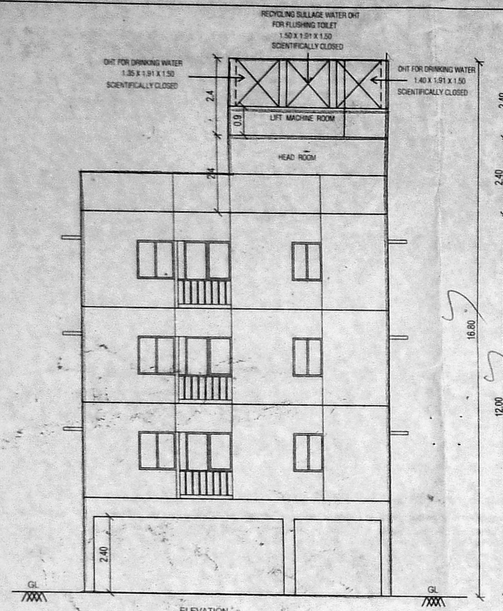
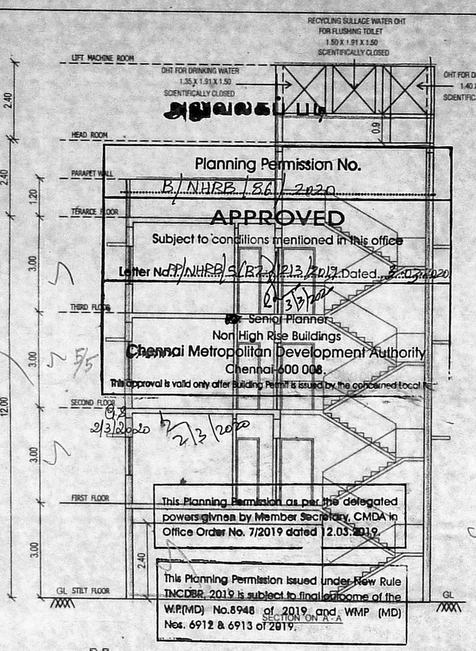
NEW OF RP



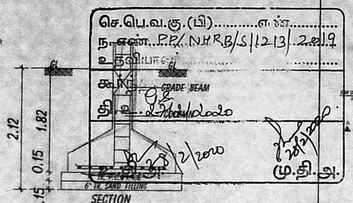


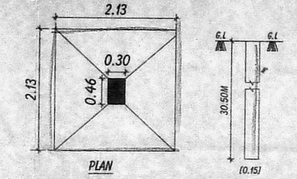
Planning Permission No.
B/NHRB/86/2020
APPROVED
Subject to conditions mentioned in this office
Letter No. P/NHRB/S/12-13/2019 Dated 3.03.2020
for Senior Planner
Non High Rise Buildings
Chennai Metropolitan Development Authority
Chennai-600 008.
This approval is valid only after Building Permit is issued by the concerned local body.

This Planning Permission as per the delegated powers given by Member Secretary, CMDA in Office Order No. 7/2019 dated 12.03.2019.

This Planning Permission issued under New Rule TNCDBR, 2019 is subject to final outcome of the W.P.(MD) No.8948 of 2019 and WMP (MD) Nos. 6912 & 6913 of 2019.

செ.பெ.வ.கு.(பி).....எண்.....
ந.க.எண்...P/NHRB/S/12-13/2019
உ.நி.பொறியாளர்
கூ.நி.
தி.நி.உ.





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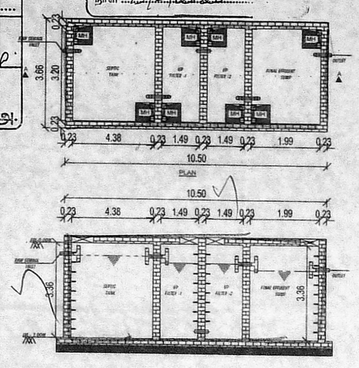
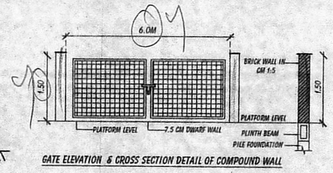
நாள்...13/2/2020



LAYOUT AND SECTION DRAWING FOR SEPTIC TANK WITH UP FLOW FILTER



GATE ELEVATION & CROSS SECTION DETAIL OF COMPOUND WALL

DWARF WALL DETAILS

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER SYSTEM

NUMBAR OF DWELLING UNITS	:	12 NOS.
NUMBAR OF USERS	:	12X5 = 75
RATE OF WATER SUPPLY	:	150 LPCD.
FLOW OF SEWERAGE PER DAY (ASSUMING SEWERAGE PRODUCTION OF 150 LPCD.)	:	75 X 150=11250 LPD.
DETENTION PERIOD	:	18 HOURS
TANK CAPACITY	:	11250 X18 = 8438 LITRES / 24
THE TANK HAS TO BE CLEARED EVERY YEAR SLUDGE STORAGE CAPACITY AT THE RATE OF 75 LITRES PER PERSONS PER YEAR.	:	75 X 15 = LITRES
TANK SIZE FOR SEWERAGE + SLUDGE	:	10.20 CU.M.
WITH PROVISION FOR ADDITIONAL SAFETY	:	11.10 CU.M.
LET THE CAPACITY OF THE TANK BE	:	10.50 M X 3.66 M X 3.36 M LIQUID DEPTH
FREE BOARD OF THE TANK	:	45 CM TO 0.45 M
TOTEL DEPTH OF THE TANK	:	3.36 M
PROVIDE SEPTIC TANK OF SIZE	:	10.50 M X 3.66 M X 3.36 M
UP FLOW FILTERS:-		
DISCHARGE FOR 150 PERSONS	=	75 X 150 = 11250 LITRES / DAY
VOLUME	=	11250 X 0.45 = 5.06 CU.M.
PLAN AREA REQUIRED	=	10.61 SQ.M
DEPTH	:	3.36 M
WIDTH PROVIDED	=	3.66 M
LENGTH	=	10.50 M
SIZE OF FINAL EFFUENT SUMP	=	1.99 M X 3.20 M X 3.36 M
UP FLOW FILTER NO.1	=	1.49 M X 3.20 M X 3.36 M
UP FLOW FILTER NO.2	=	1.49 M X 3.20 M X 3.36 M

LIST OF CIVIL UNITS - STP & UF

S.NO	DESCRIPTION	SIZE IN METER L X W X HT
1	SEPTIC TANK	10.50x3.66x3.36
2	UP FLOW FILTER -1	1.49x3.20x3.36
3	UP FLOW FILTER -2	1.49x3.20x3.36
4	FINAL EFFLUENT SUMP	1.99x3.20x3.36

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT + 3 FLOORS OF RESIDENTIAL BUILDING AT OLD DOOR NO :2, NEW DOOR NO :3, KAMALA STREET, NARATHAPURI, NEHRU NAGAR, CHROMPET, COMPRISED IN OLD.S. NO :12/2B (PART) T.S. NO : 38, WARD - F BLOCK NO : 21 OF HASTINAPURAM VILLAGE, PALLAVARAM MUNICIPALLITY.

AREA STATEMENT	SQ.M
AS PER PATTA	: 411.00 S Q.M
AS PER DOC	: 426.42 S Q.M

FLOOR	FSI AREA IN SQ.M
STILT FLOOR	-
FIRST FLOOR	273.58
SECOND FLOOR	273.58
THIRD FLOOR	273.58
	820.74

F.S.I = 820.74 / 411.00 = 1.99

Nos. OF CAR PARKING = 7

Nos. OF TWO WHEELER PARKING = 14

SCHEDULE OF JOINERY:-

TYPE	DETAIL	SIZE
MD	DOOR	3'6"x7'0"
D1	DOOR	3'0"x7'0"
D2	DOOR	2'6"x7'0"
D3	DOOR	3'0"x7'0"
W	WINDOW	4'0"x4'0"
W1	WINDOW	4'0"x3'0"
FD	FRENCH WINDOW	6'0"x7'0"
V	VENTILATOR	2'0"x2'0"

SPECIFICATION:-

FOUNDATION	:	COLUMN FOOTING
BRICK WORK	:	C.M 1:6 FOR SUPER STRUCTURE
PLASTERING	:	C.M 1:5 FOR WALLS & 1:3 FOR CEILING
CEMENT PAINT	:	2 COATS FOR WALLS & 1 EXTRA COAT FOR CEILING
R.C.C.	:	M25 GRADE FOR SLABS & LINTELS
WOOD WORK	:	ALL WOOD WORKS IN BEST QUALITY TIMBER
WEATHERING COURSE	:	B.JELLY LIME MORTAR OVER ROOF SLAB ONE LAYER OF COUNTRY TILES

COLOUR INDEX:-

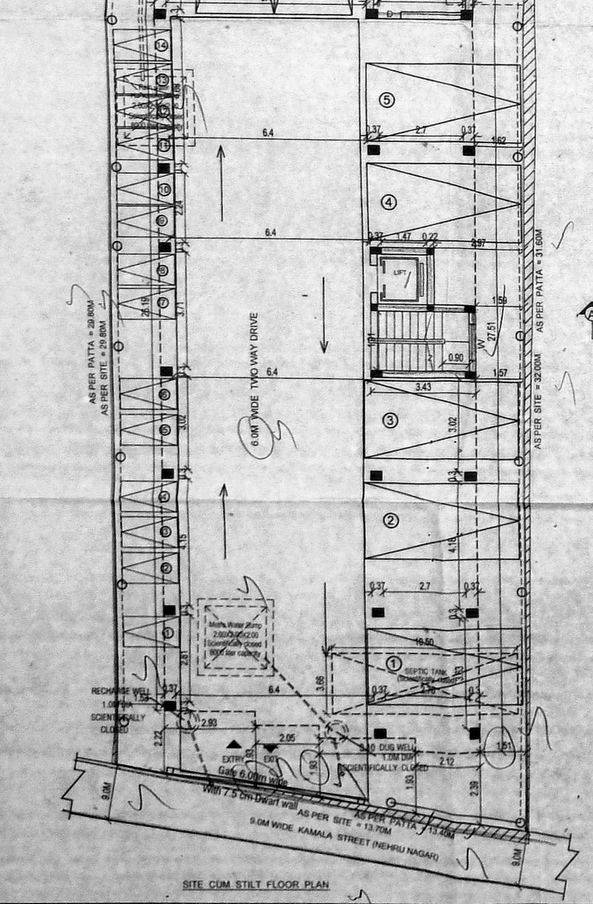
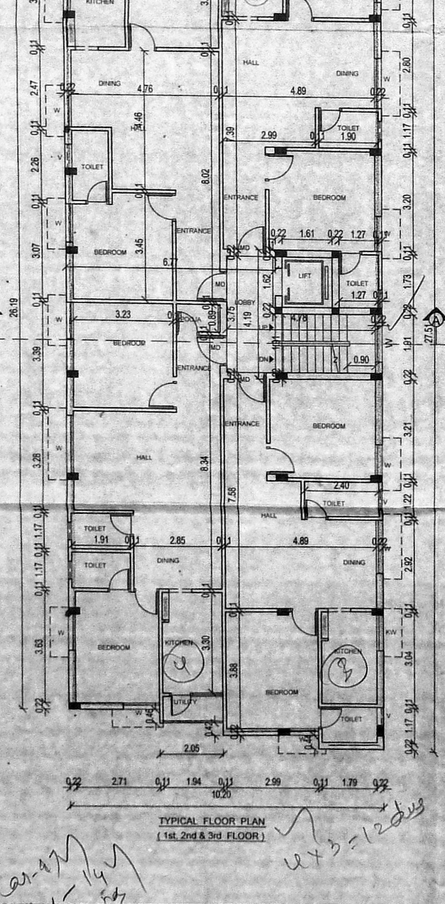
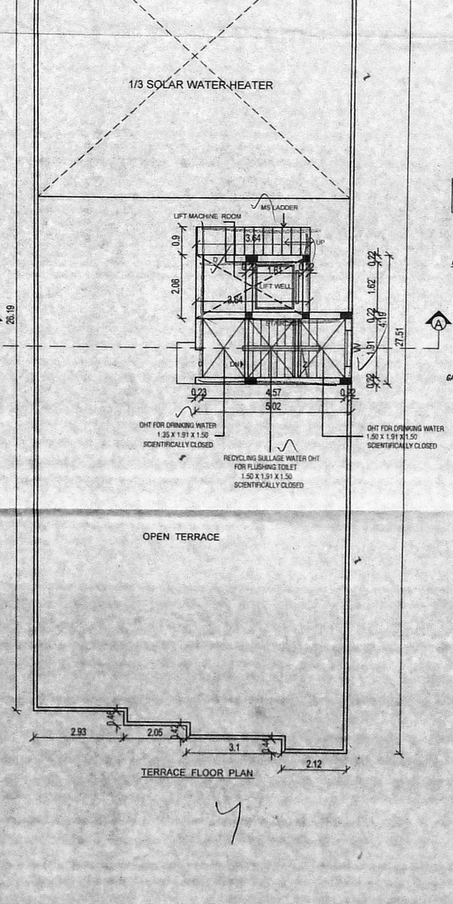
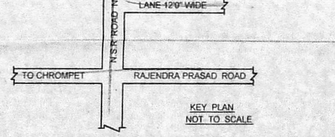
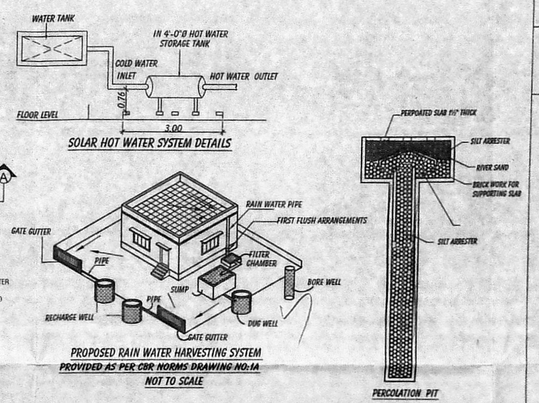
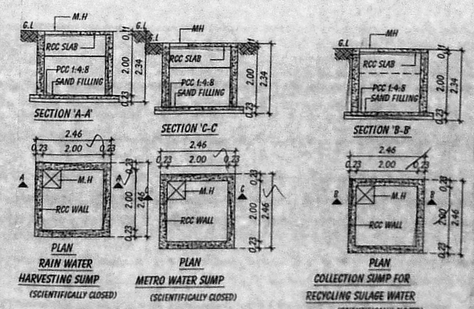
PROPOSED — ROAD — BOUNDARY

NORTH — SCALE : 1:100

For LIVEDGE CONSTRUCTIONS

Partner

SIGNATURE OF GPA

Er.G. JAYASANKAR, B.Tech., M.Sc. (Scientific)
M.Tech (Struct.) A.M.I.E., A.I.V.
Chartered Engineer & Govt. Regd Valuer,
Registered Engineer Grade - I (PE)
Govt. of Tamilnadu
C.E./M.A. / PE/ 2000/1681
Competent Person to issue Stability Certificate
for Planning Buildings/ Public Buildings
M-36, First Floor, 10th Street, Anna Nagar East,
Chennai-102. Ph: 044 2626 1104, Cell: 98400 21184
E-mail:jayasankar79@gmail.com

REGISTERED ENGINEER