

சிறீராமன் ஸ்டிரீட் 861
23-10-2020
RP-11

PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING AT POONAMALLEE HIGH ROAD, RANGASAMY STREET, VANAGARAM, CHENNAI. COMPRISED S.NO.6 25/561A 25/562 VANAGARAM VILLAGE MADURAVOYAL TALUK CHIRUVALLUR DISTRICT VILLIVAKKAM PANCHAYATH

AREA STATEMENT 51.2 SQ.M
AS PER DOCUMENT 338.85 SQ.M
AS PER PATA 2.31,300.00 S.Q.M

FLOOR	FSI AREA IN SQ.M
STILT FLOOR	123.25
FIRST FLOOR	123.25
SECOND FLOOR	123.25
THIRD FLOOR	123.25
FOURTH FLOOR	123.25

493.00
F.S.I = $\frac{493.00}{300.00} = 1.643$

Nos. OF TWO WHEELER PARKING = 12

SCHEDULE OF JOINERY:-		
TYPE	DETAIL	SIZE
MD	DOOR	3'6"x7'0"
D1	DOOR	3'0"x7'0"
D2	DOOR	2'6"x7'0"
W	WINDOW	4'0"x4'0"
W1	WINDOW	3'0"x4'0"
V	VENTILATOR	2'0"x2'0"

SPECIFICATION:-
 FOUNDATION: COLUMN FOOTING
 BRICK WORK: C.M 1:8 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: B.JELLY LIME MORTAR OVER ROOF COURSE
 SLAB ONE LAYER OF COUNTRY TILES

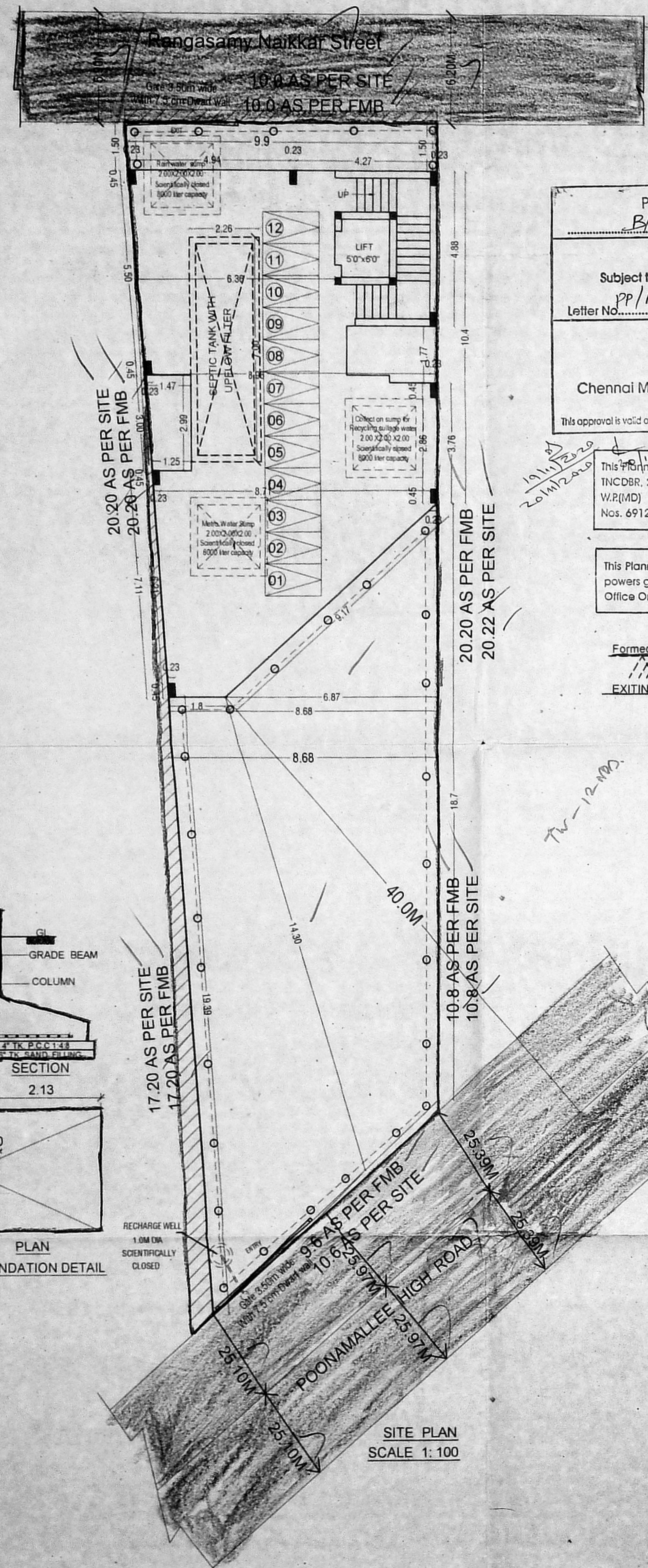
COLOUR INDEX:-
 PROPOSED ROAD BOUNDARY

SCALE: 1:100
NORTH

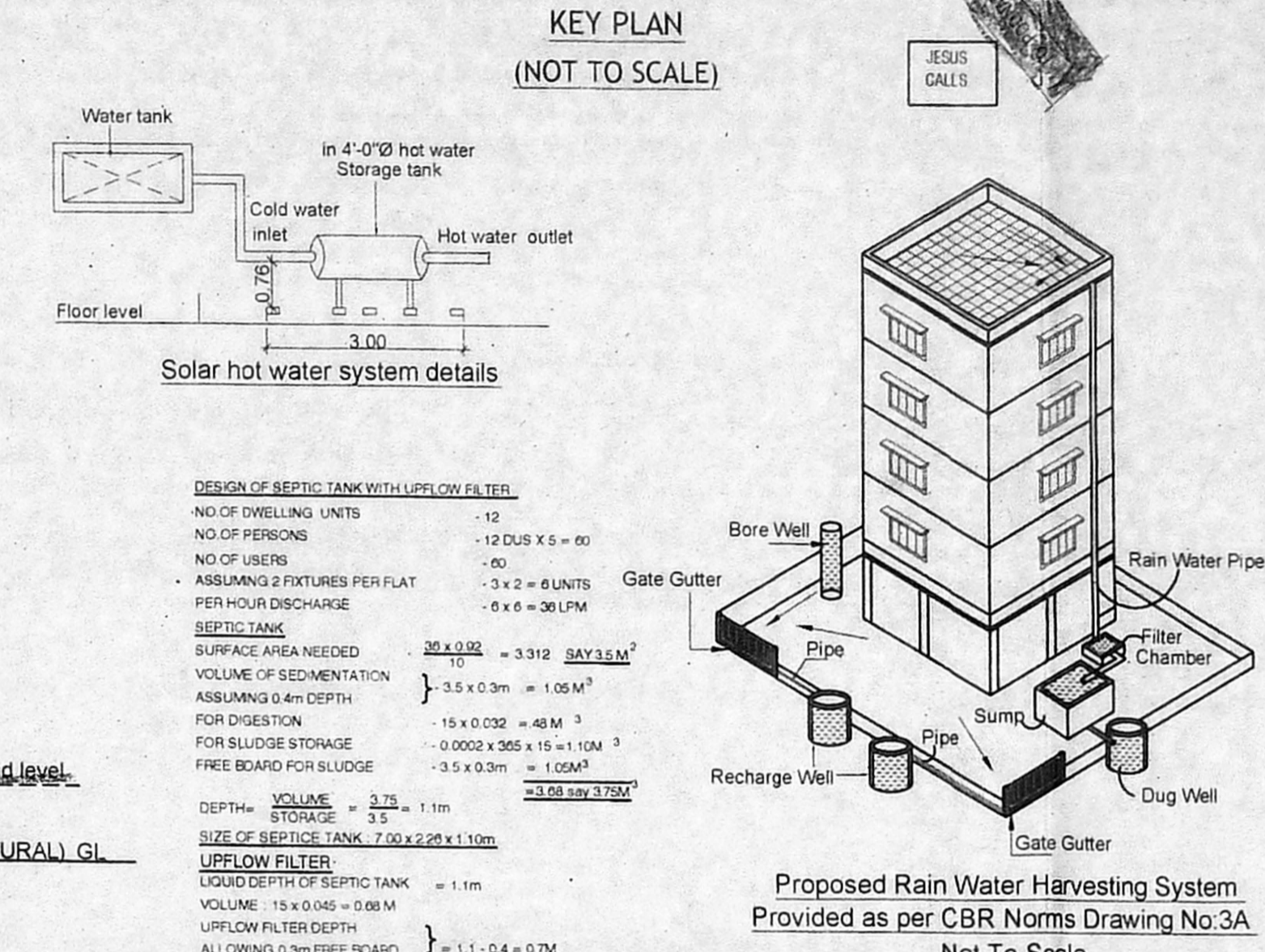
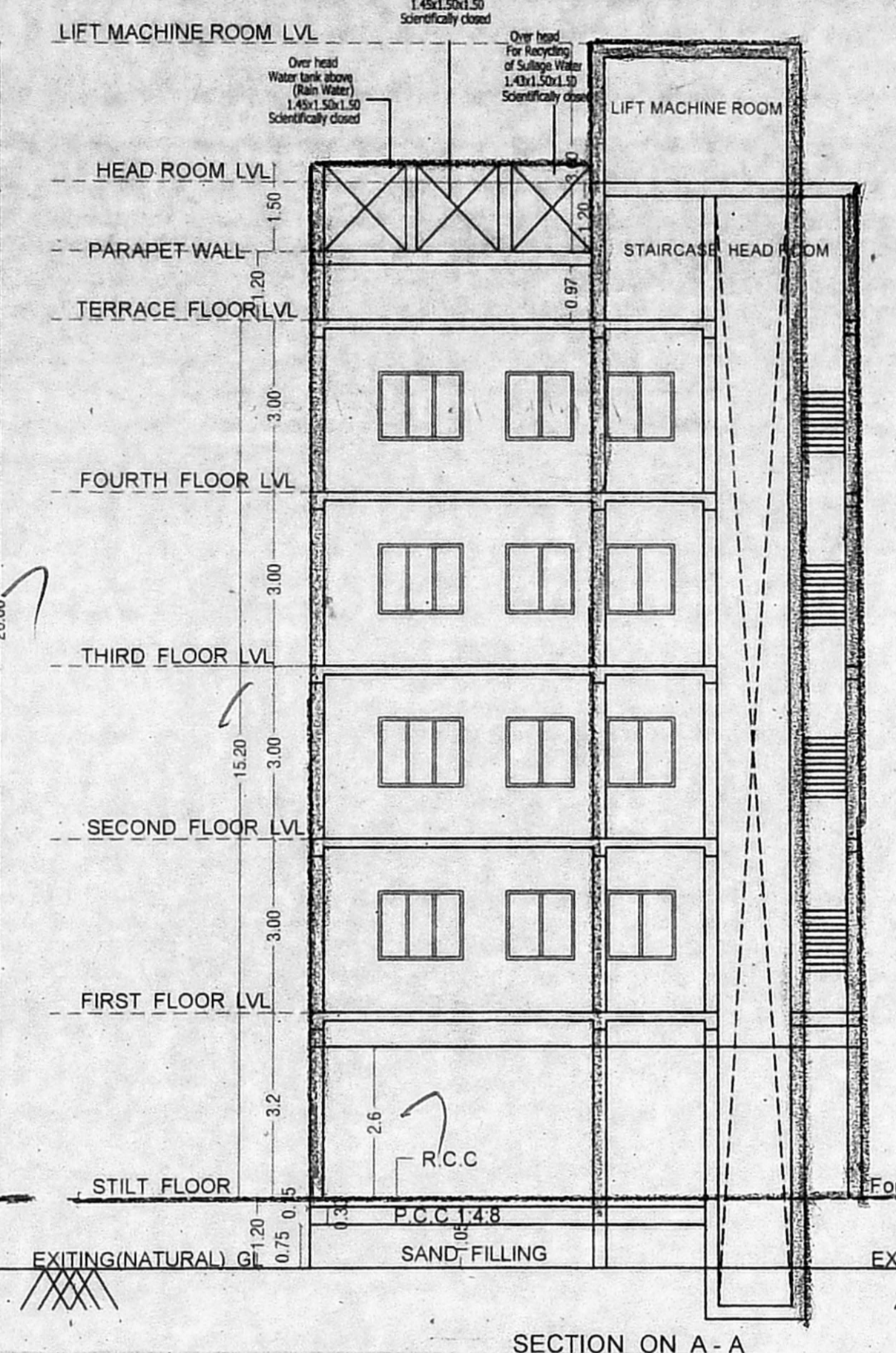
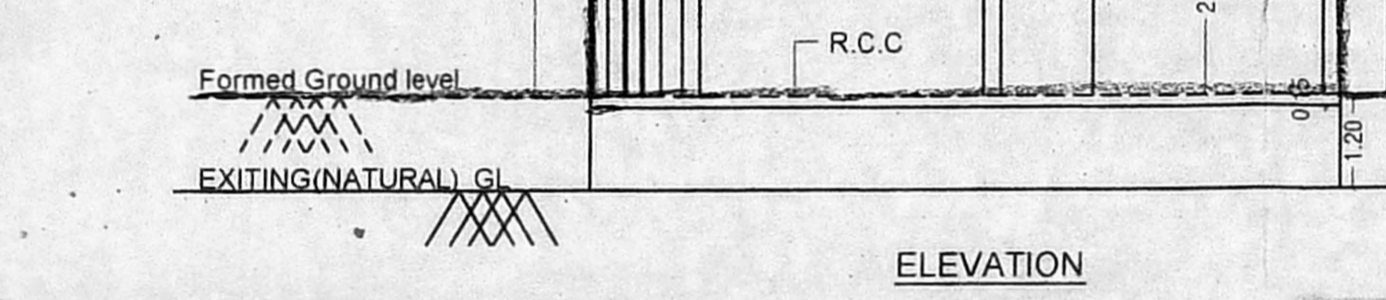
OWNER SIGNATURE

SIGNATURE OF STRUCTURAL
S.P.S INBARAJAN
 M.E., (Structural) A.M.I.E.
 Structural Consultant
 Registered Structural Engineer
 Grade-I (SE) in C.M.I.D.A.
 Reg. No. SE/GR-1/19/02/003 dt. 27.02.2019
 Door No.3, Flat No. G-2, Kanchandras Perumal Street,
 West Mambalam, Chennai-600 033.

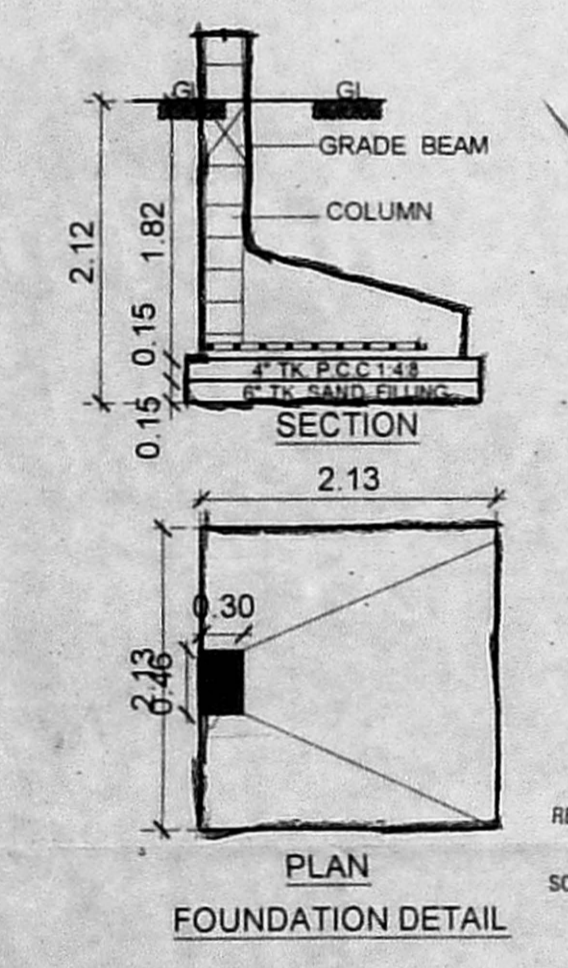
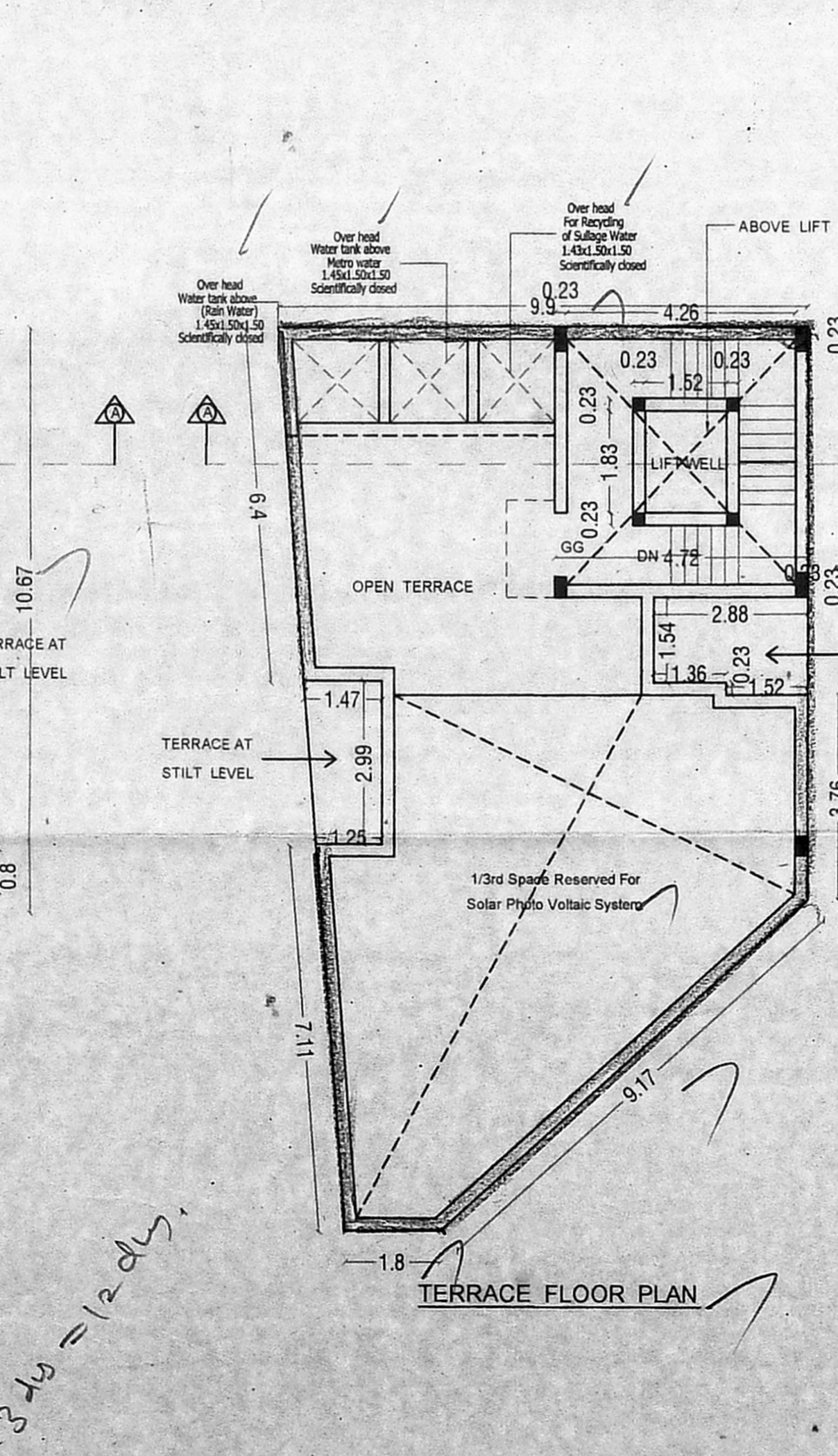
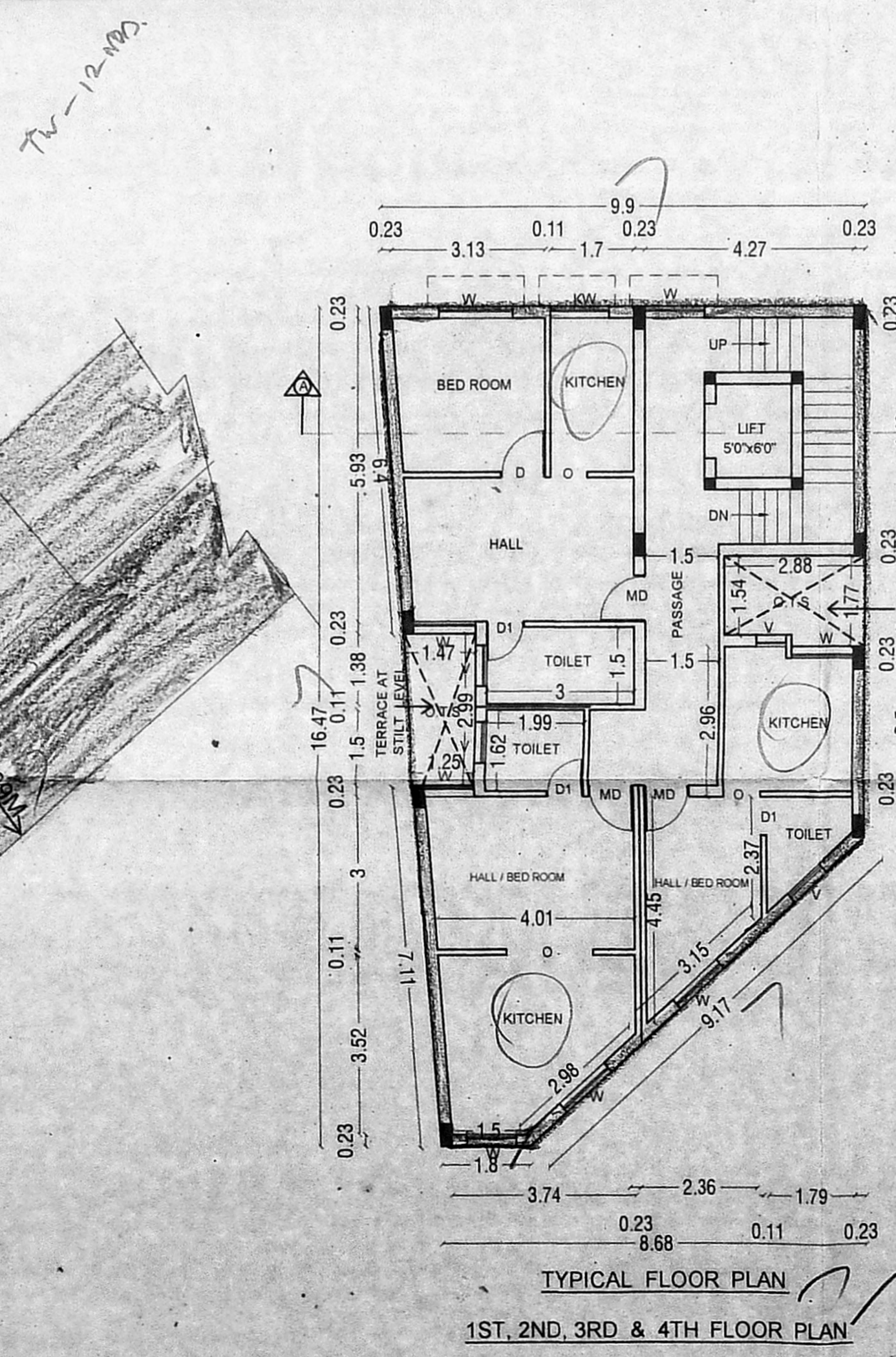
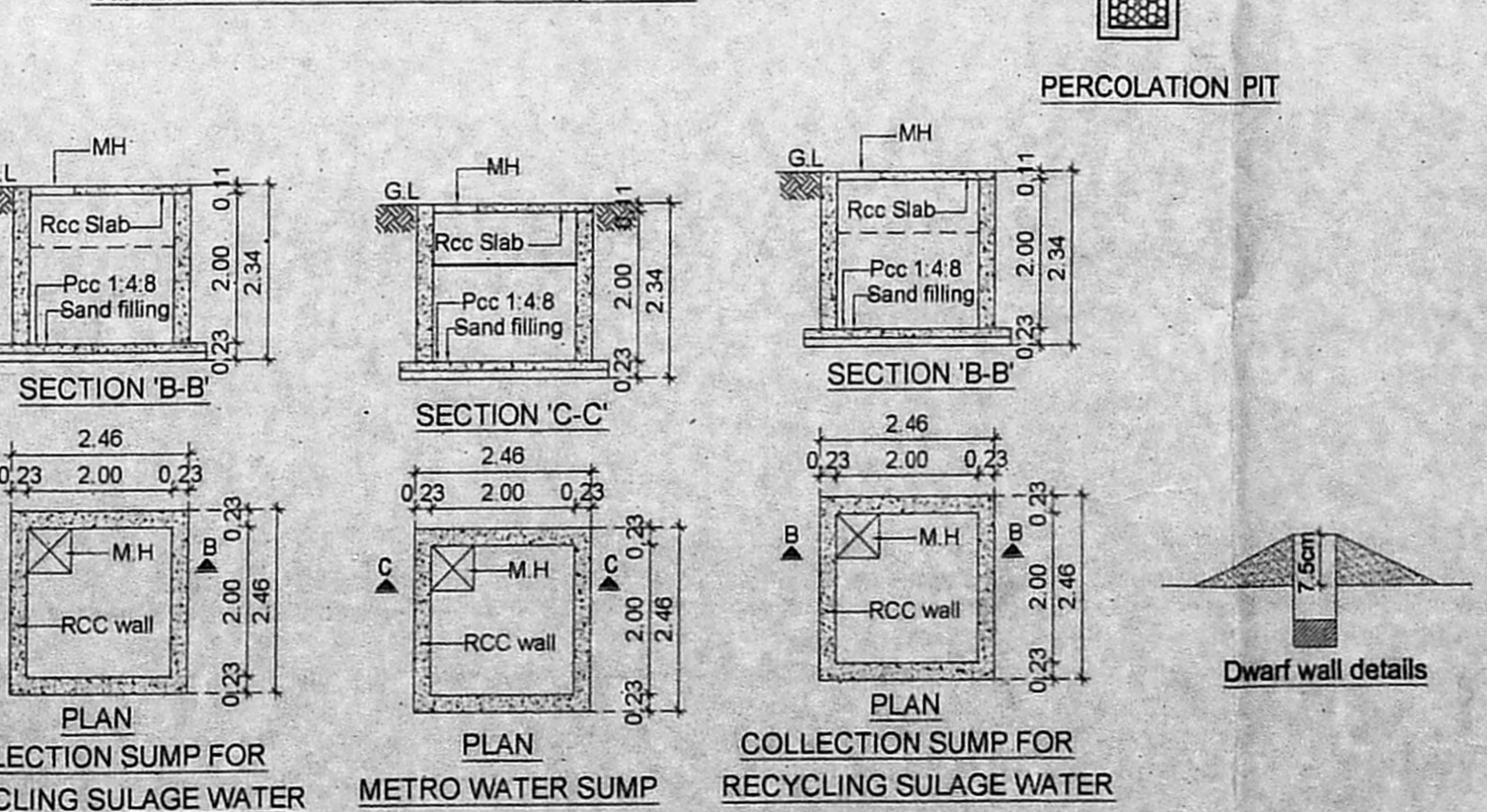
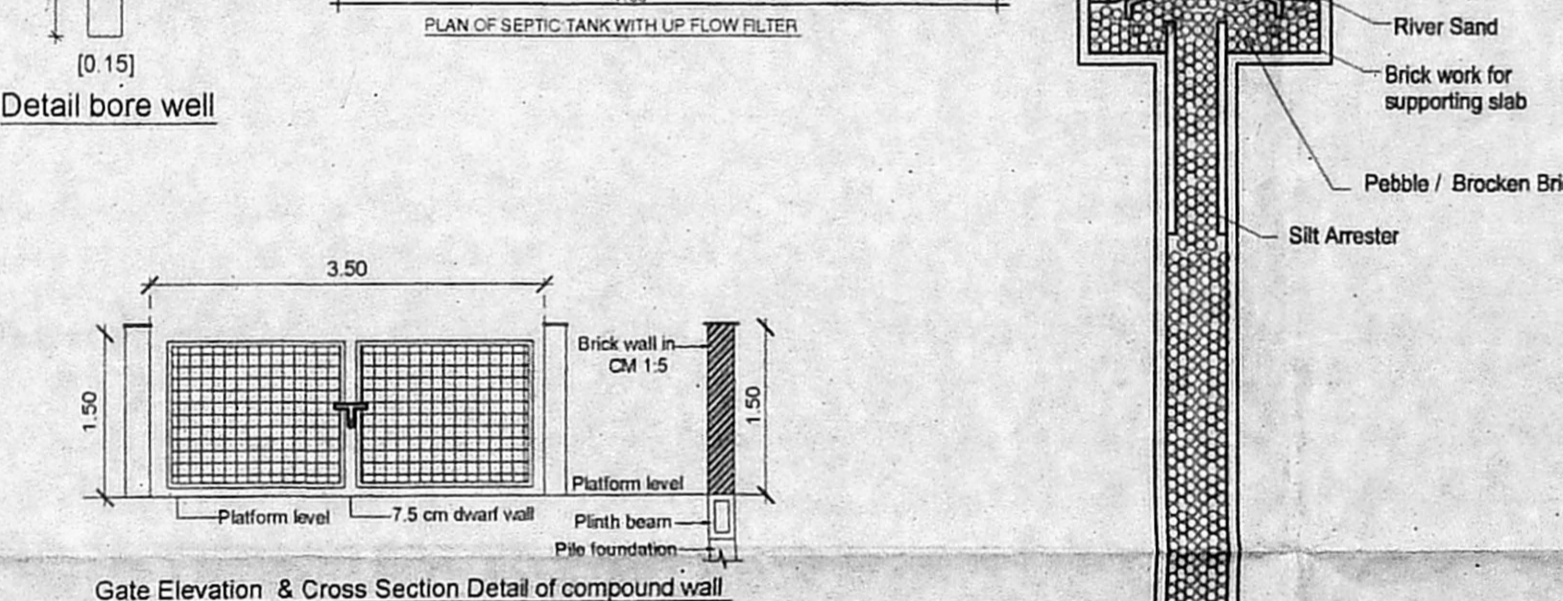
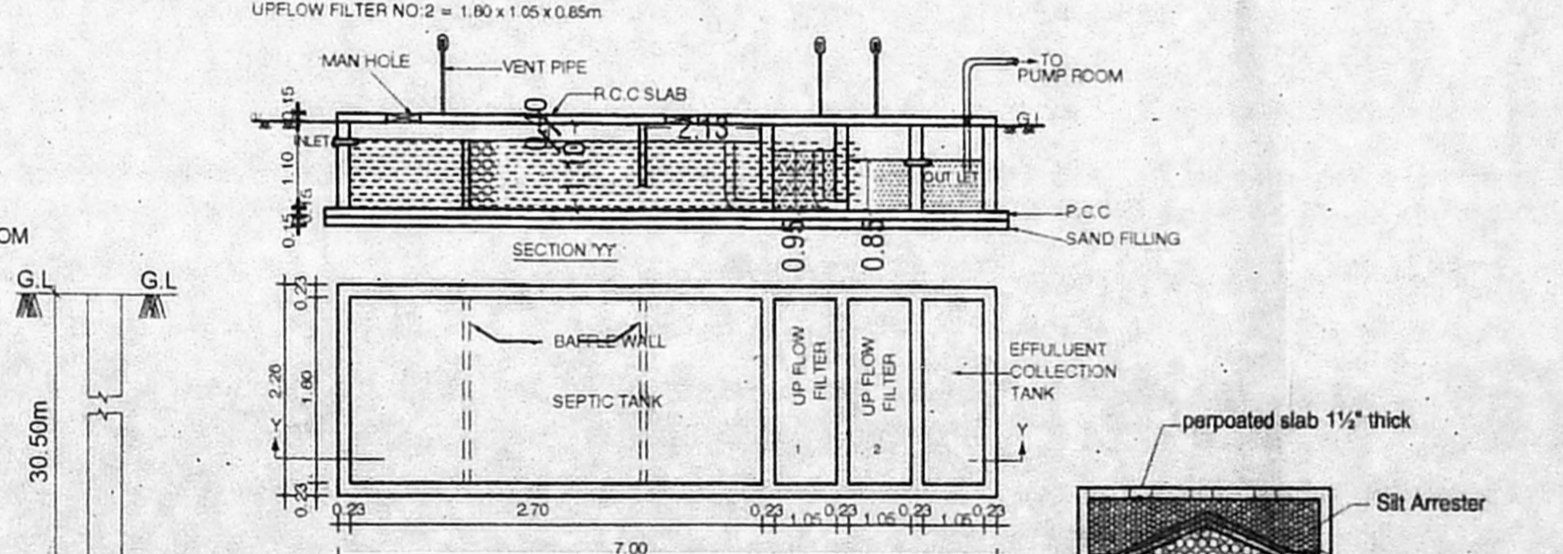
SIGNATURE OF REGISTER ENGINEER
Er.G. JAYASANKAR, B.Tech., M.Sc., (Valuation)
 M.Tech (Struct) A.M.I.E., A.I.V.,
 Chartered Engineer & Govt. Regd. Valuer,
 Registered Engineer Grade - II (RE)
 C.C.C. Reg. No. RE/200/132019
 C.M.I.D.A. Reg. No. RE/GR/19/03/031
 Competent Person to Issue Stability Certificate
 for Factory Buildings/ Public Buildings
 M-36, First Floor, 10th Street, Anna Nagar East,
 Chennai-102. Ph: 044 2626 1164, Cell: 98401 21164
 E-mail: jeyamassociates70@gmail.com



Planning Permission
 B/ NHRB/ 384/ 2020
APPROVED
 Subject to conditions mentioned in this office
 PP/NHRB/C/159/2020 Dated 21.11.2020
 Letter No. 11/11/2020 Dated 21.11.2020
 For Chief Planner
 Non High Rise Buildings
 Chennai Metropolitan Development Authority
 Chennai-600 009
 This approval is valid only after Building Permit issued by the concerned Local Body.
 This Planning Permission Issued under New Rule INCDDR, 2019 is subject to final outcome of the W.P.(MD) No.8948 of 2019 and WMP (MD) Nos. 6912 & 6913 of 2019.
 This Planning Permission as per the delegated powers given by Member Secretary, C.M.I.D.A in Office Order No. 7/2019 dated 17.08.2019.



DESIGN OF SEPTIC TANK WITH UPFLOW FILTER
 NO. OF DWELLING UNITS = 12
 NO. OF PERSONS = 12 DUS X 5 = 60
 NO. OF USERS = 60
 ASSUMING 2 FIXTURES PER FLAT = 3 x 2 = 6 UNITS
 PER HOUR DISCHARGE = 6 x 6 = 36 LPM
 SEPTIC TANK SURFACE AREA NEEDED = $\frac{36 \times 0.02}{10} = 3.312 \text{ SQ.M}^2$
 VOLUME OF SEDIMENTATION ASSUMING 0.4m DEPTH FOR DISGESTION = $15 \times 0.4 \times 3 = 18 \text{ M}^3$
 FOR SLUDGE STORAGE = $0.002 \times 365 \times 15 = 11.025 \text{ M}^3$
 FREE BOARD FOR SLUDGE = $0.5 \times 0.3 \text{ m} = 0.15 \text{ M}^3$
 VOLUME = 3.75
 STORAGE = 3.75
 SIZE OF SEPTIC TANK = 7.00 x 2.25 x 1.10m
 UPFLOW FILTER: LIQUID DEPTH OF SEPTIC TANK = 1.1m
 VOLUME = $15 \times 0.4 \times 0.08 \text{ M}^3$
 UPFLOW FILTER DEPTH = 0.08m
 ALLOWING 0.3m FREE BOARD = 1.1 - 0.4 = 0.7m
 AREA NEEDED = $\frac{18}{0.7} = 25.71 \text{ M}^2$
 SIZE OF UPFLOW FILTER = 1.80 x 2.1m
 UPFLOW FILTER NO.1 = 1.80 x 1.05 x 0.90m
 UPFLOW FILTER NO.2 = 1.80 x 1.05 x 0.85m



SITE PLAN SCALE 1:100

TYPICAL FLOOR PLAN
 1ST, 2ND, 3RD & 4TH FLOOR PLAN

41x3.46 = 12 dls.