

அலுவலகப் படி
PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR & 3 FLOORS RESIDENTIAL BUILDING WITH 15 DWELLING UNITS AT PLOT NO. 4, CMDA APPROVED LAYOUT, ROAD, GERUGAMBAKKAM, CHENNAI, COMPRISED IN OLD S.NO. 363/2A3 PART, NEW S.NO. 363/2A3E OF GERUGAMBAKKAM VILLAGE WITH INKUNDRATHUR PANCHAYAT UNION LIMIT.

SPECIFICATIONS :
FOUNDATION - IN RCC FOOTING - M25
WALLS : IN CONCRETE IN C.M:1.5 FOR 20 TH WALL & IN CM 1:4 FOR 10TH. WALL.
PLASTERING : IN CM 1:3 FOR CELING & CM 1:5 FOR WALLS
JOINERY : IN WELL SEASONED WOOD.
RCC M25 : FOR COLUMNS, BEAMS, SLABS, SUNSHADE & LINTELS
PAINTING : TWO COATS OF CEMENT PAINT OVER ONE COAT OF PRIMER FOR ALL PLASTERED SURFACE, TWO COATS ENAMEL PAINT FOR JOINERIES
FLOORING : CERAMIC TILES.

AREA STATEMENT :
AS PER SUBDIVISION APPROVED PLAN : 415.14 Sq.m.
AS PER PATTA : 415.0 Sq.m.

FLOOR	FSI AREA IN Sq.M
STILT FLOOR	-
FIRST FLOOR	279.87
SECOND FLOOR	279.87
THIRD FLOOR	269.10
TOTAL	828.84

ACHIEVED FSI : $\frac{828.84}{415.0} = 1.997$

COLOR INDEX :
ROAD [Symbol] SITE [Symbol] PROPOSAL [Symbol]

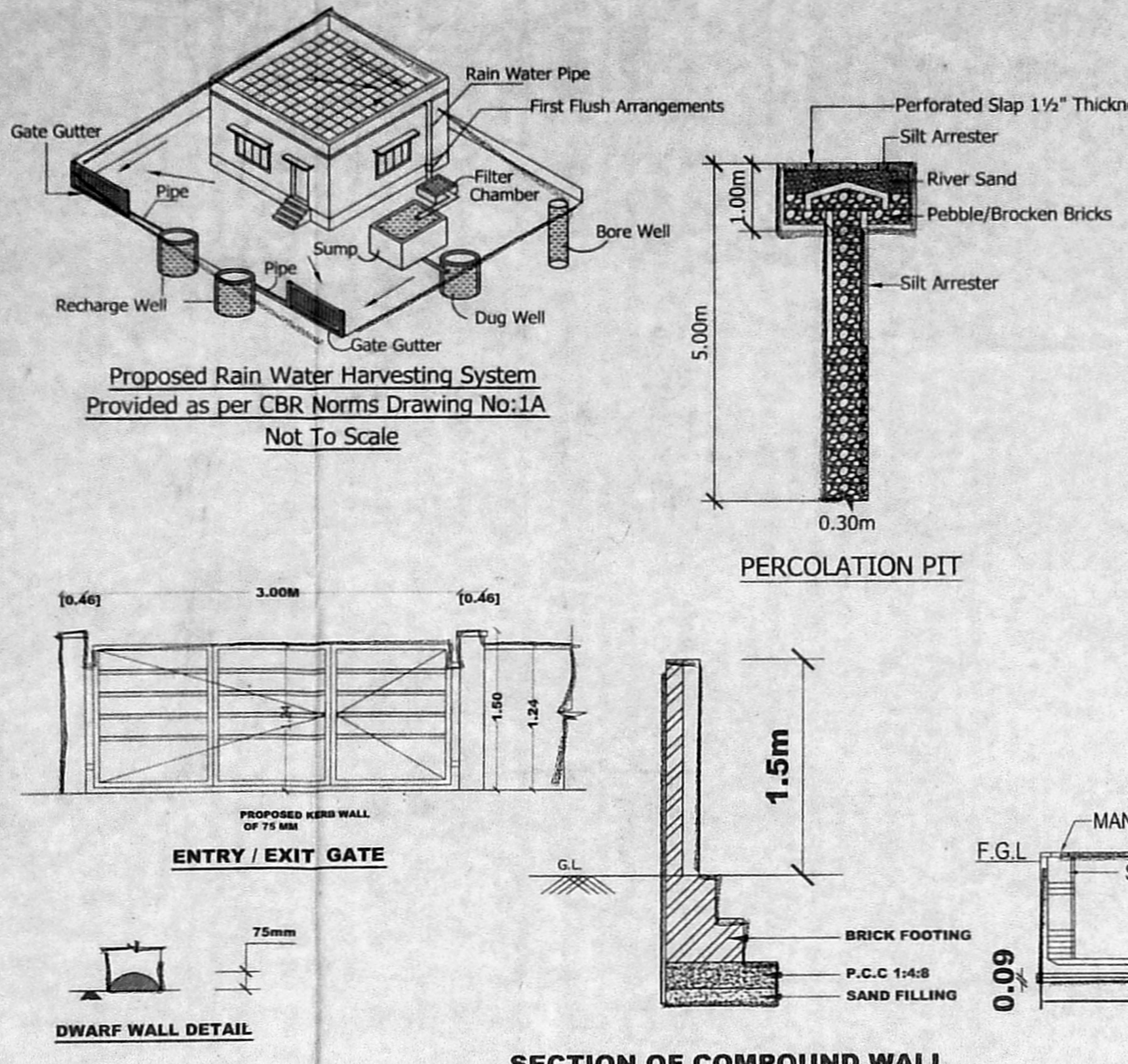
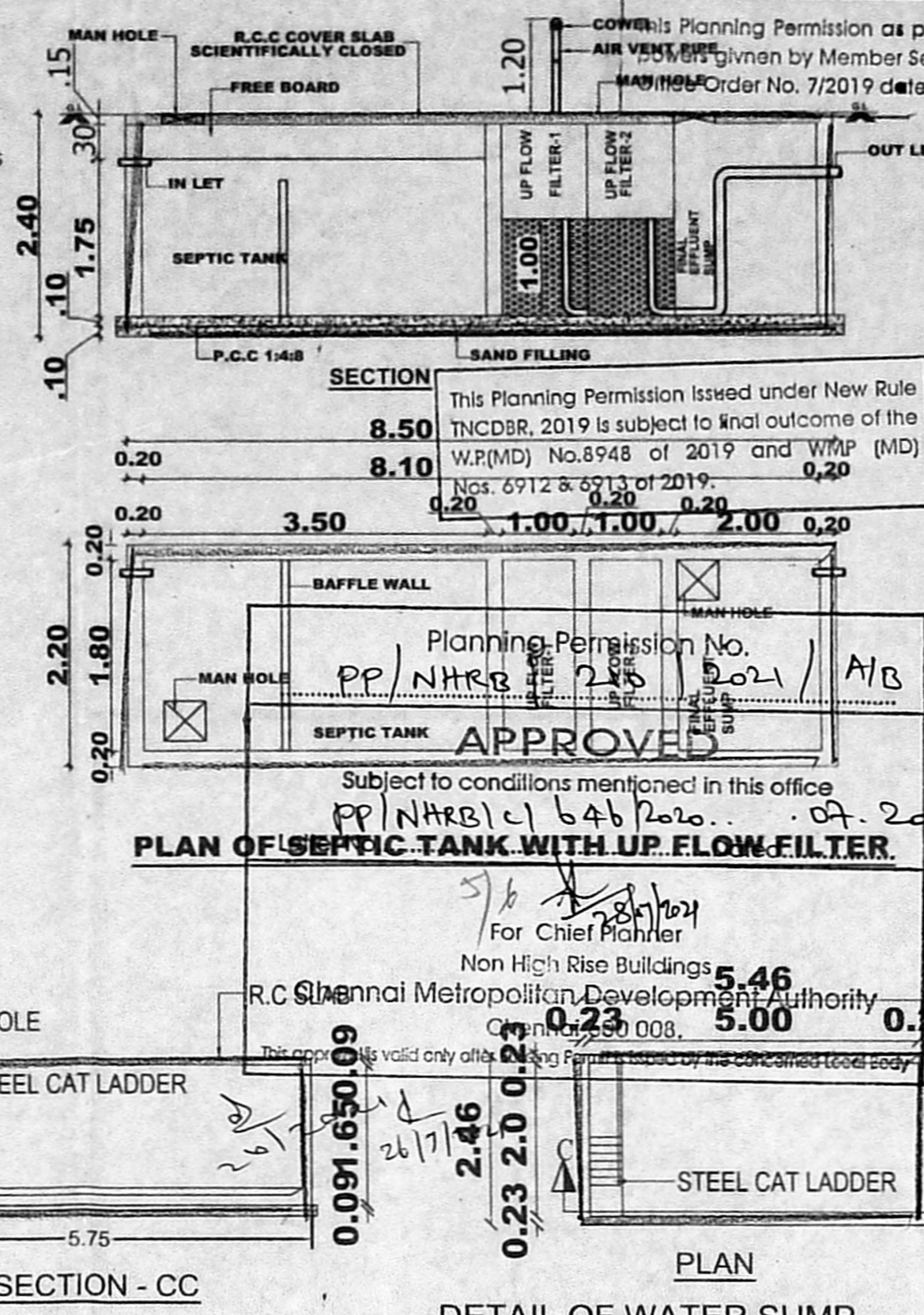
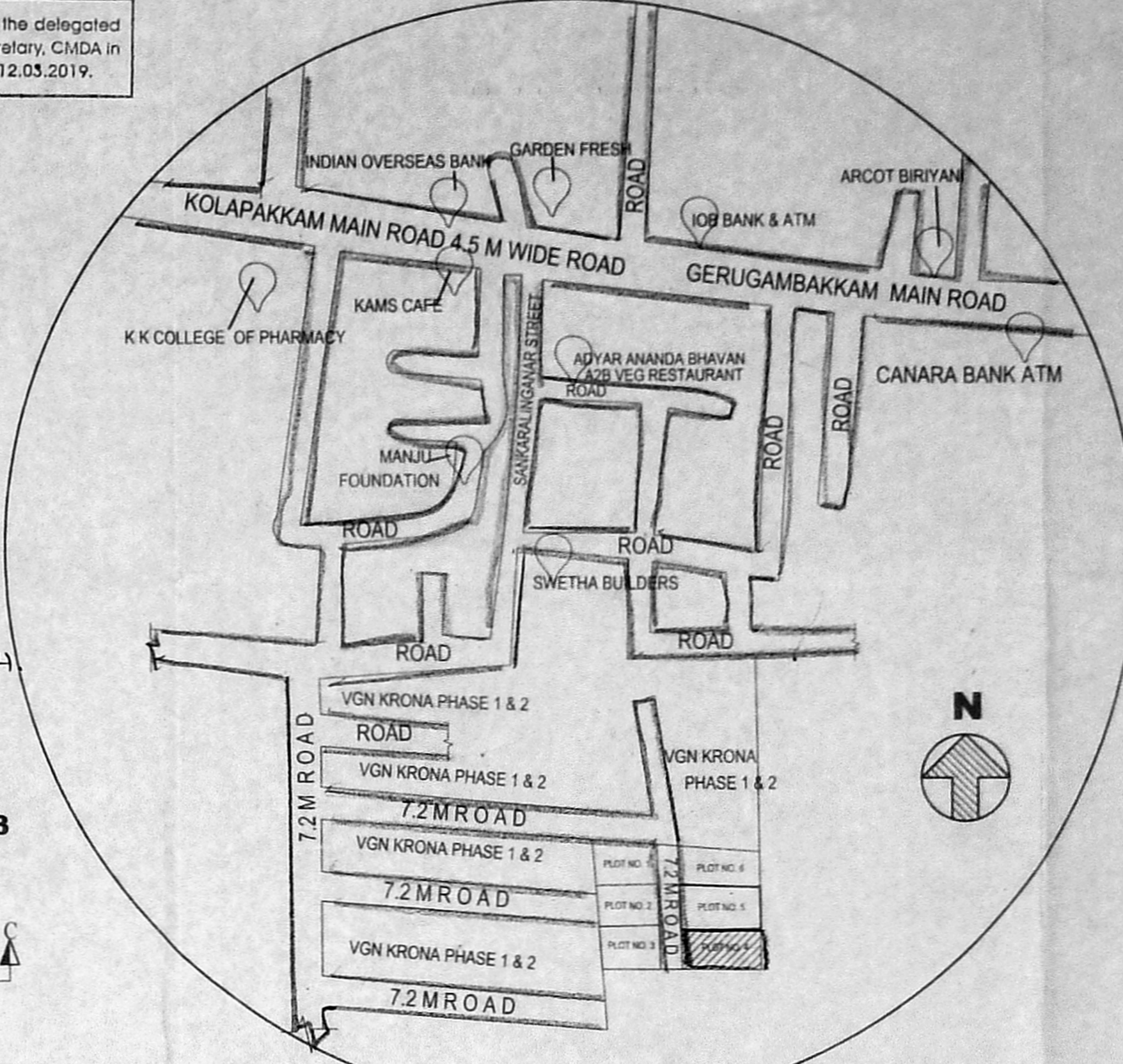
PARKING DETAILS :
CAR PARKING PROVIDED : 4 NOS
TWO WHEELER PARKING PROVIDED : 24 NOS

SCALE : 1 IN 100 (1" = 8'-0")
NOTE : ALL DIMENSIONS ARE IN METRES (M')

APPLICANT SIGNATURE :
For MAHAVEER COMMUNICATION PVT LTD
Director

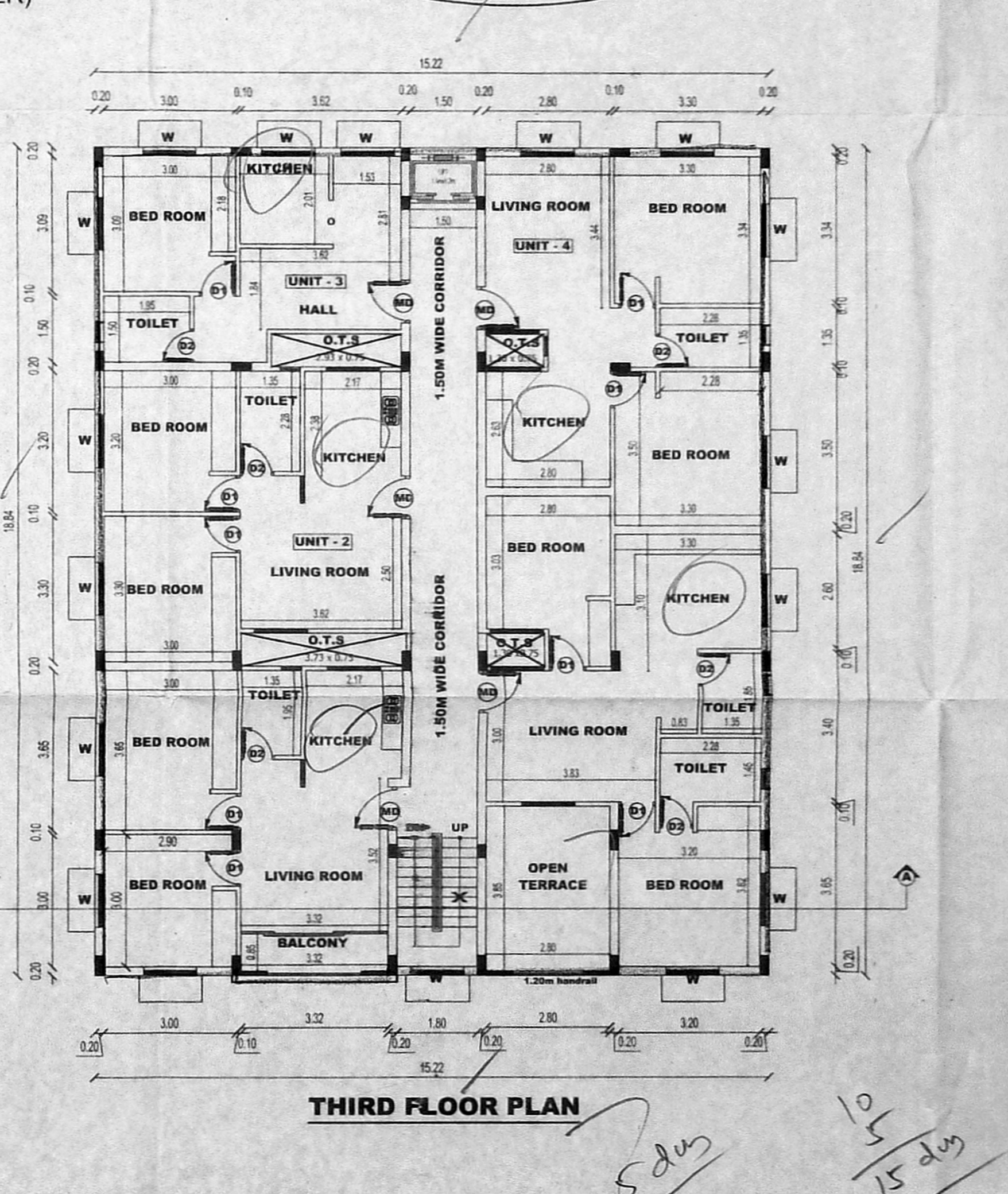
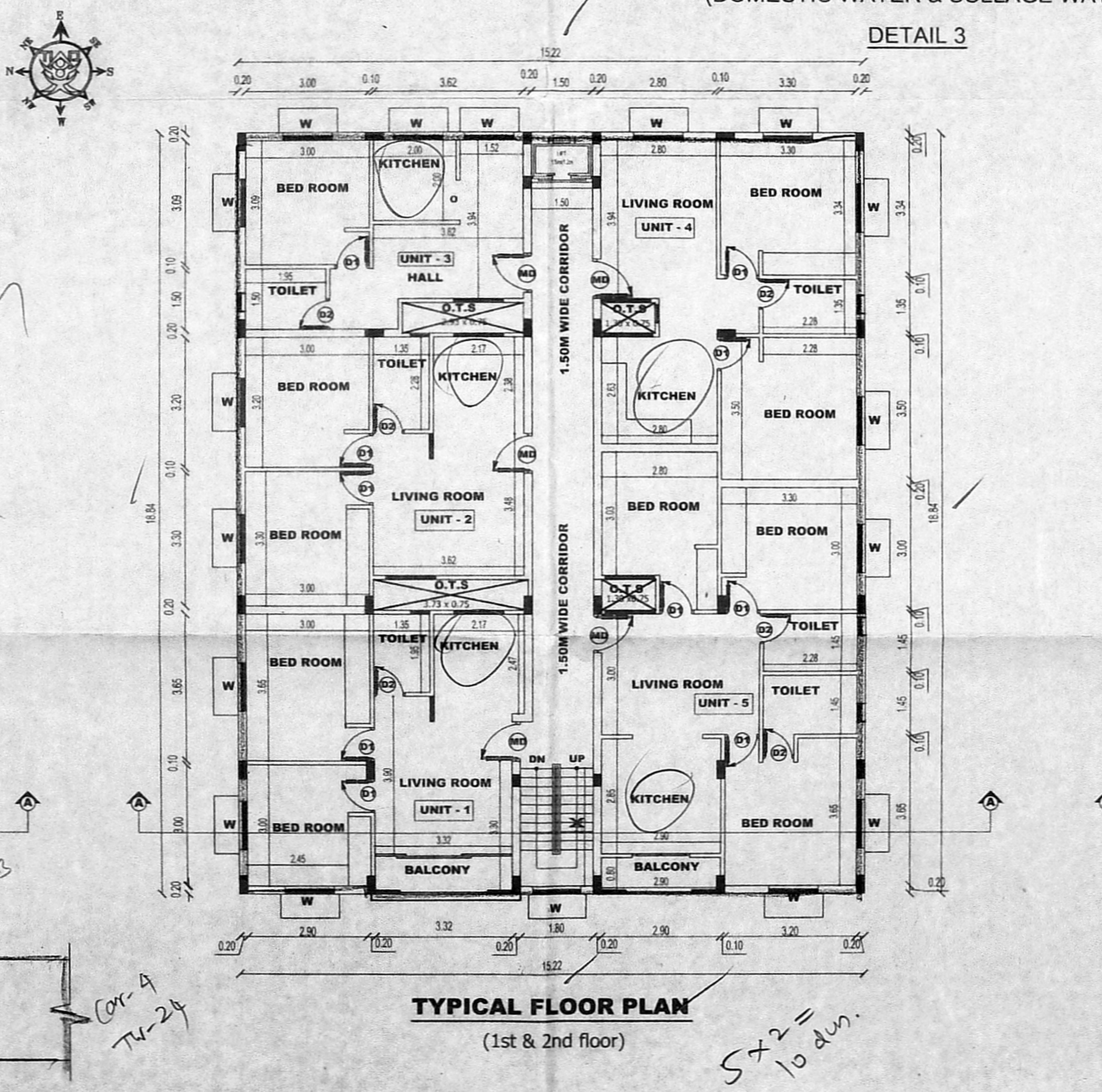
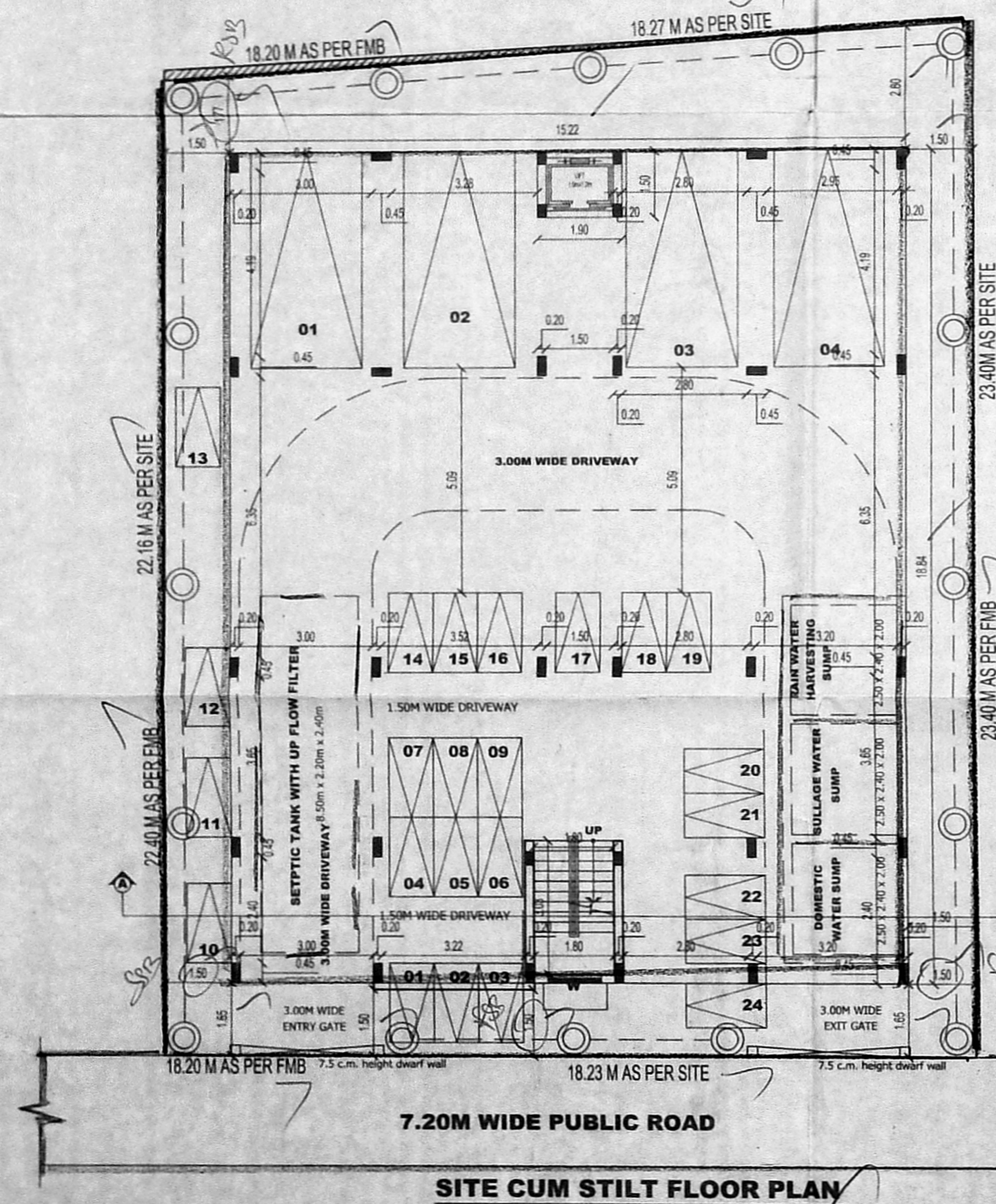
STRUCTURAL ENGINEER :
Er. K. YENGALS, B.E., M.E.,
STRUCTURAL ENGINEER
No. RE / GR / 19 / 02 / 000
Consulting Civil Engineer, Structural Engineer,
M/s. Teamwork Developers Pvt. Ltd.
174, NSK Road, E-Block, Basement B, Dooshi Garden,
Vadapattanam, Chennai - 600 026.

ARCHITECT SIGNATURE :
A. D. RAJASIVASUNDAR, B.Arc,
REGISTERED ARCHITECT
No. RA / GR - 119 / 02 / 010
M/s. Teamwork Developers Pvt. Ltd.
174, NSK Road, E-Block, Basement B, Dooshi Garden,
Vadapattanam, Chennai - 600 026.



Septic Tank With Up Flow Filter Calculation For Residential Apartment

No. of users	: 80 Nos.
Total No. of users	: 80 Nos.
Assume a standard users	: 40 Nos
Total no. of fixture units assume a	: 40 x 6 Liters
peaking factor of 6 lpm. fixture unit	= 240 liter per minutes
SEPTIC TANK	
Surface area required for the septic tank :	240 x 0.92
	220.88 sq.m Say 22 sq.m
Volume of free board	: 22.00m x 0.30m = 6.64 cu.mt
Volume of sedimentation	: 22.00 x 0.30m = 6.64 cu.mt
Volume of digestion	: 45 x 0.033 = 1.49 cu.mt
Volume of sludge	: 45 x 365 x 0.0002 = 3.29 cu.mt
Total volume	: 18.06 cu.mt.
Depth of Septic tank	volume : 18.06
Surface area	: 22.00
Intel pipe invert level assuming a	: 0.60m
Gradient of 1 in 8 starting	
from first chamber	
Total Liquid Depth	: 1.00m + 0.60m
Required size of septic tank	: 2.50m x 2.50m x 2.00 m
UPFLOW FILTERS	
Capacity for 40 users	: 45 x 0.045 = 2.00 cu.mt
Depth (assumed)	: 0.8 (minimum)
Hence area of final effluent sump	: $\frac{2.00}{0.8} = 2.50$ sq.m
Size of final effluent sump	: 2.50 x 2.00 x 0.80m
Size of up flow filter (1)	: 2.50 x 1.00 x 0.80m
Size of up flow filter (2)	: 2.50 x 1.00 x 0.80m



சிறுத்திய வரைபடம்
05-07-2021

229
22.07.2021

அலுவலகப் படி SHEET No. 2/2

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 3 FLOORS RESIDENTIAL BUILDING WITH 15 DWELLING UNITS AT PLOT NO.4, CMDA APPROVED LAYOUT ROAD, GERUGAMBAKKAM, CHENNAI COMPRISED IN OLD S.NO.363/2A3 PART, NEW S.NO.363/2A3E OF GERUGAMBAKKAM VILLAGE WITH IN KUNDRATHUR-PANCHAYAT UNION LIMIT.

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COLOR INDEX :

ROAD SITE PROPOSAL

PARKING DETAILS :

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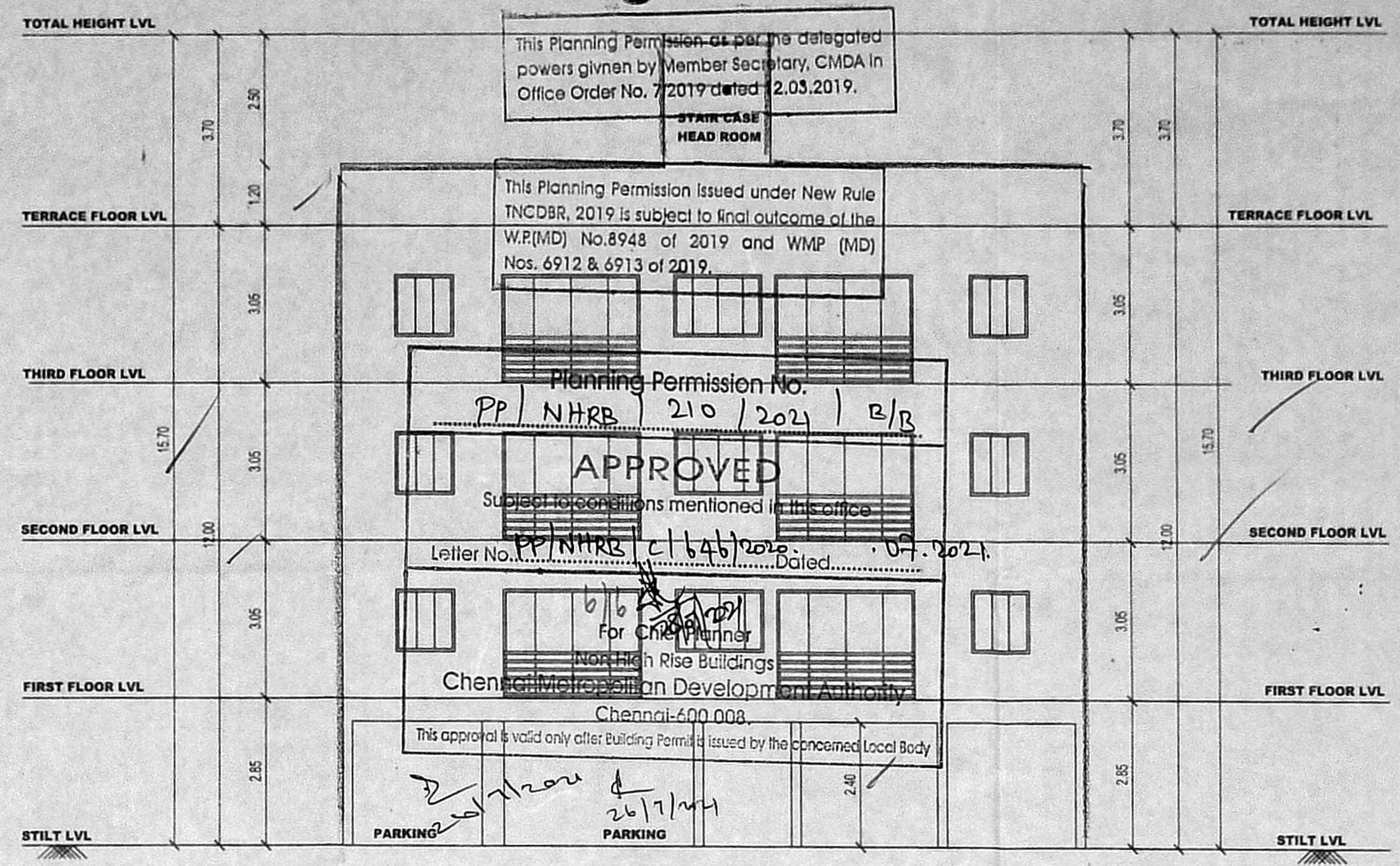
STRUCTURAL ENGINEER:

Er. K. YENGALS, B.E., M.E.
STRUCTURAL ENGINEER
No: RE/GR-11/19/02/009
Consulting Civil Engineer, Structural Engineer,
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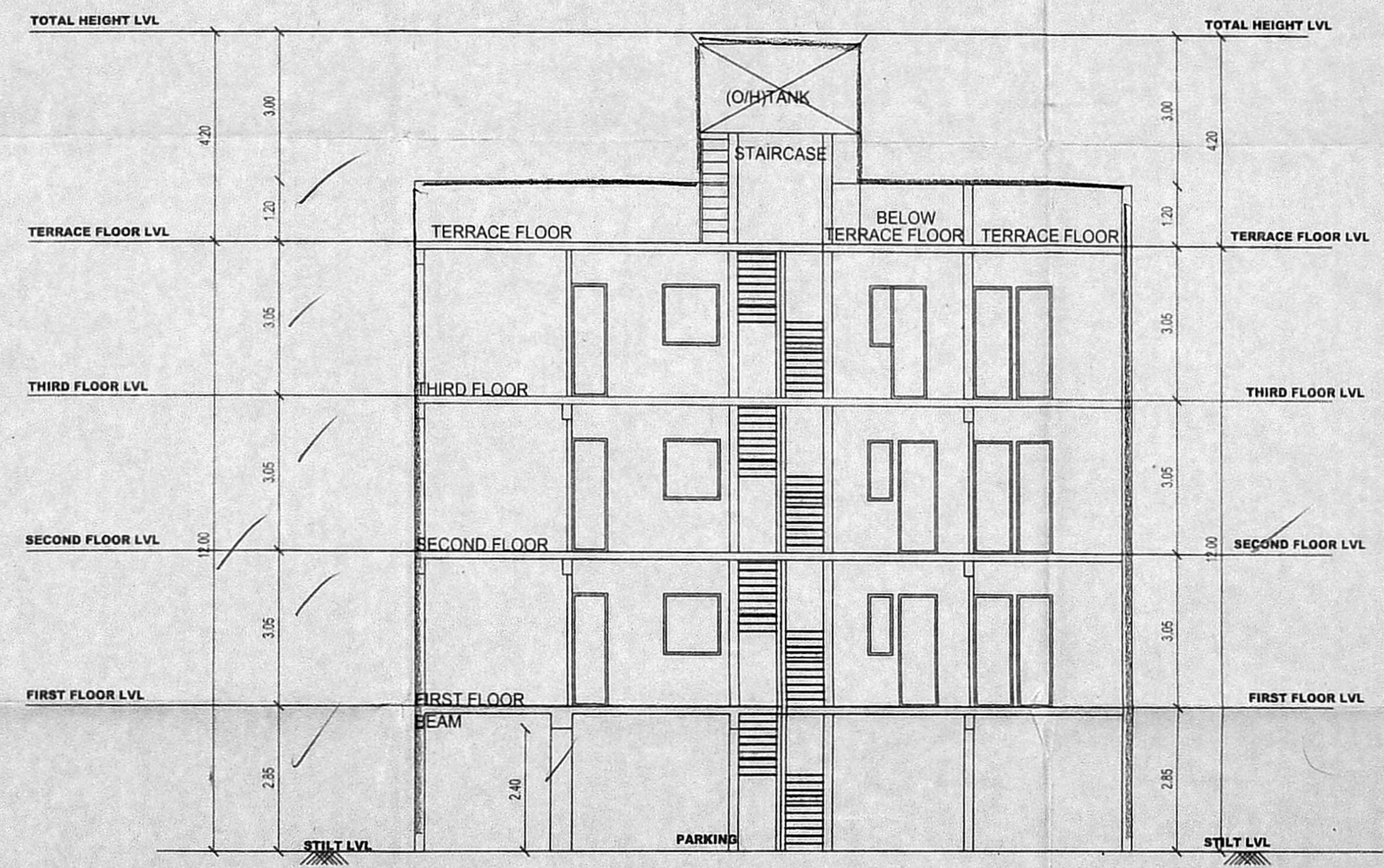
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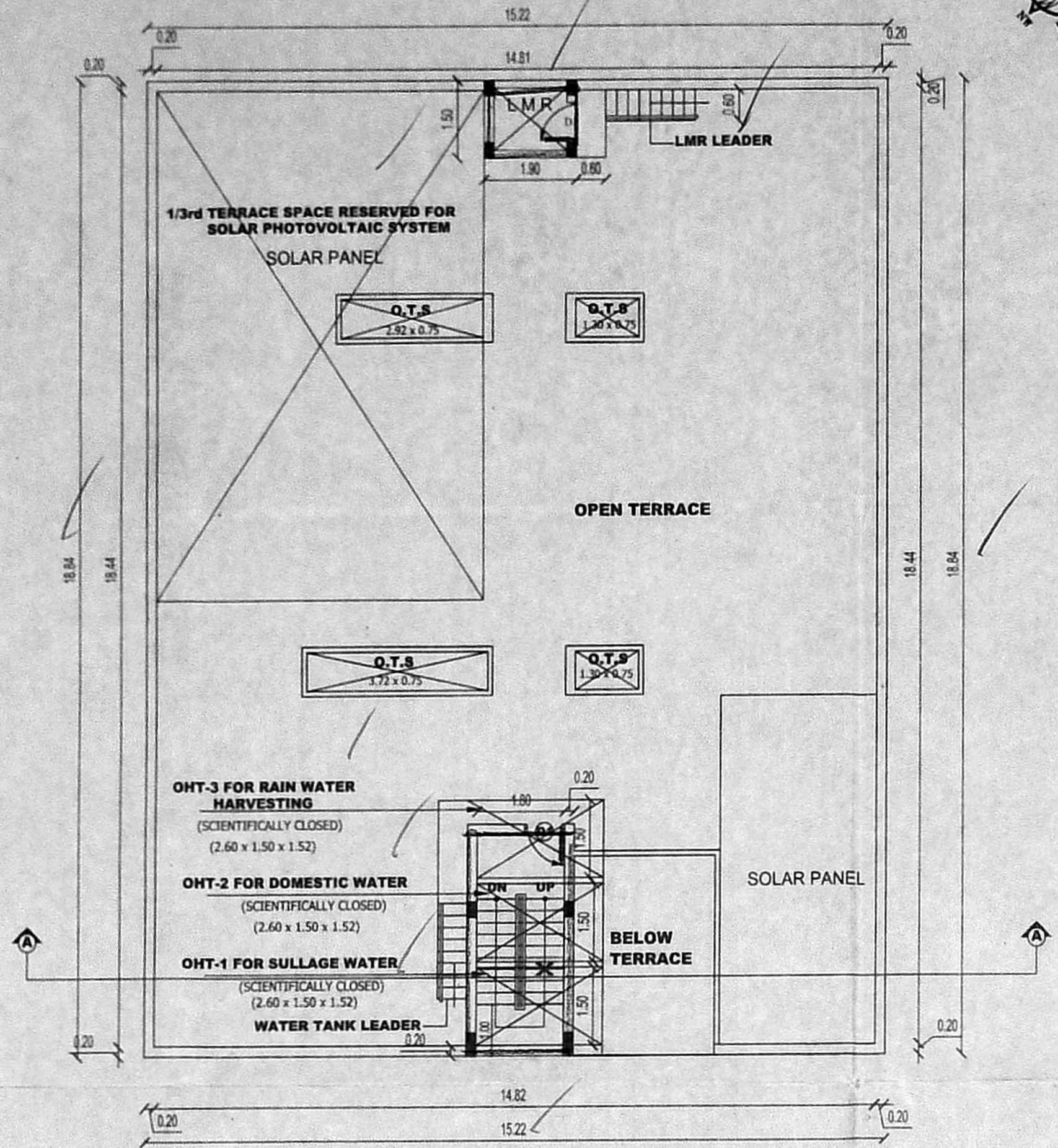
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FRONT ELEVATION



SECTION A - A



TERRACE FLOOR PLAN

