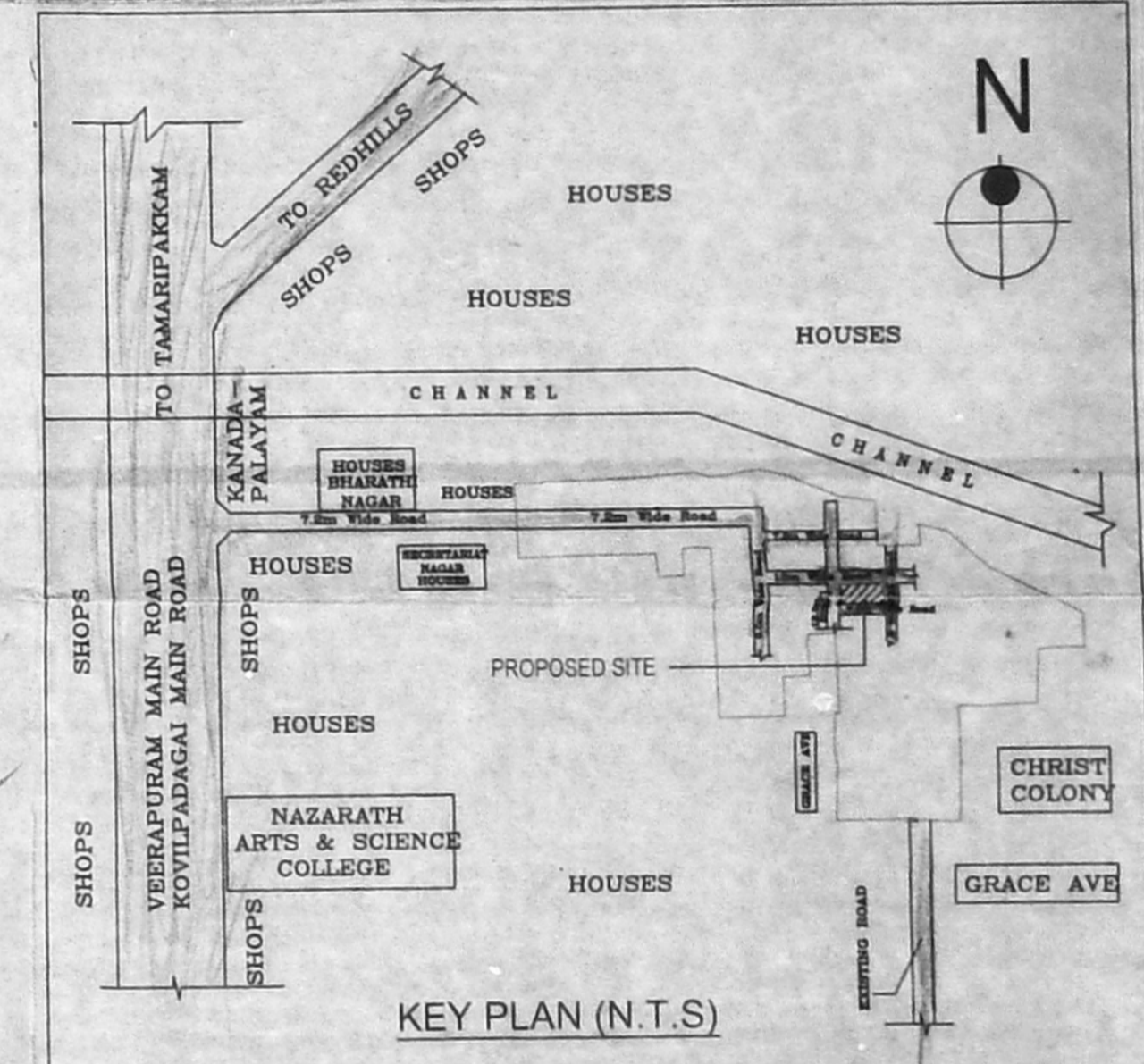
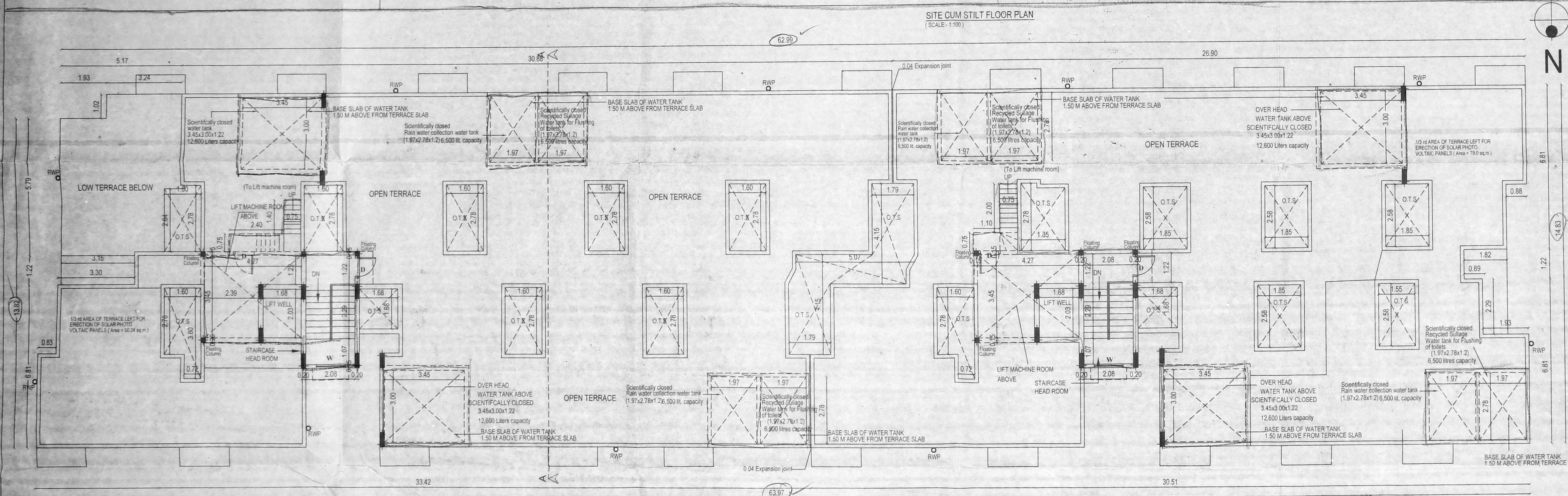


APPROVED
 Planning Permission No. **PPD/16/272-B/C/2019**
 Subject to conditions mentioned in this Office Order No. **PP/16/025/2019** Dated **03.03.2019**
 For Chennai Non High Rise Building
 Chennai Metropolitan Development Authority
 Chennai-600 008

சென். மே. வ. கு. (பி) எண். 16/17/272-B/C/2019
 த. எண். P.P. 5.2/1/19/272/2019
 த. எண். 16/17/272-B/C/2019
 த. எண். 03/03/2019



Proposed Construction of Stilt + 2 Floor Part + 4th Floor Part Affordable Housing Building with 82 dwelling units at Plot No. 169 to 177 and 202 to 210 in the Approved Layout - (PPD/L.O - No.43/2018) comprised in S.No. 92/4 (Part), 92/5(part), 92/6 (part), 92/8(part), 92/9 (Part), 104/1 (Part) & 104/2 (part) of Kovilpattinai Village within the limit of Avadi Municipality, Thiruvallur District.

SPECIFICATIONS

FOUNDATION	COLUMN FOOTING
BLOCK WORK	CM 15 FOR SUPER STRUCTURE
PLASTERING	CM 15 FOR WALLS & 4" THICK FOR COL. & CHASE
CABINET FINISH	CM 15 FOR SUPER STRUCTURE
PLASTERING	2 COATS FOR WALLS & EXTRA COAT FOR CEILING
R.C.C WORK	1:1.5 FOR SLAB BEARS & LINTELS
WOOD WORK	ALL WOOD WORKS IN BEST QUALITY TIMBER
WEATHERING	BELLY LINE MORTAR OVER ROOF SLAB ONE LAYER OF COUNTRY TILES
COURSE	

SCALE: 1:100 ALL DIMENSIONS ARE IN METRES

COLOUR INDEX

PROPOSED	BOUNDARY	ROAD
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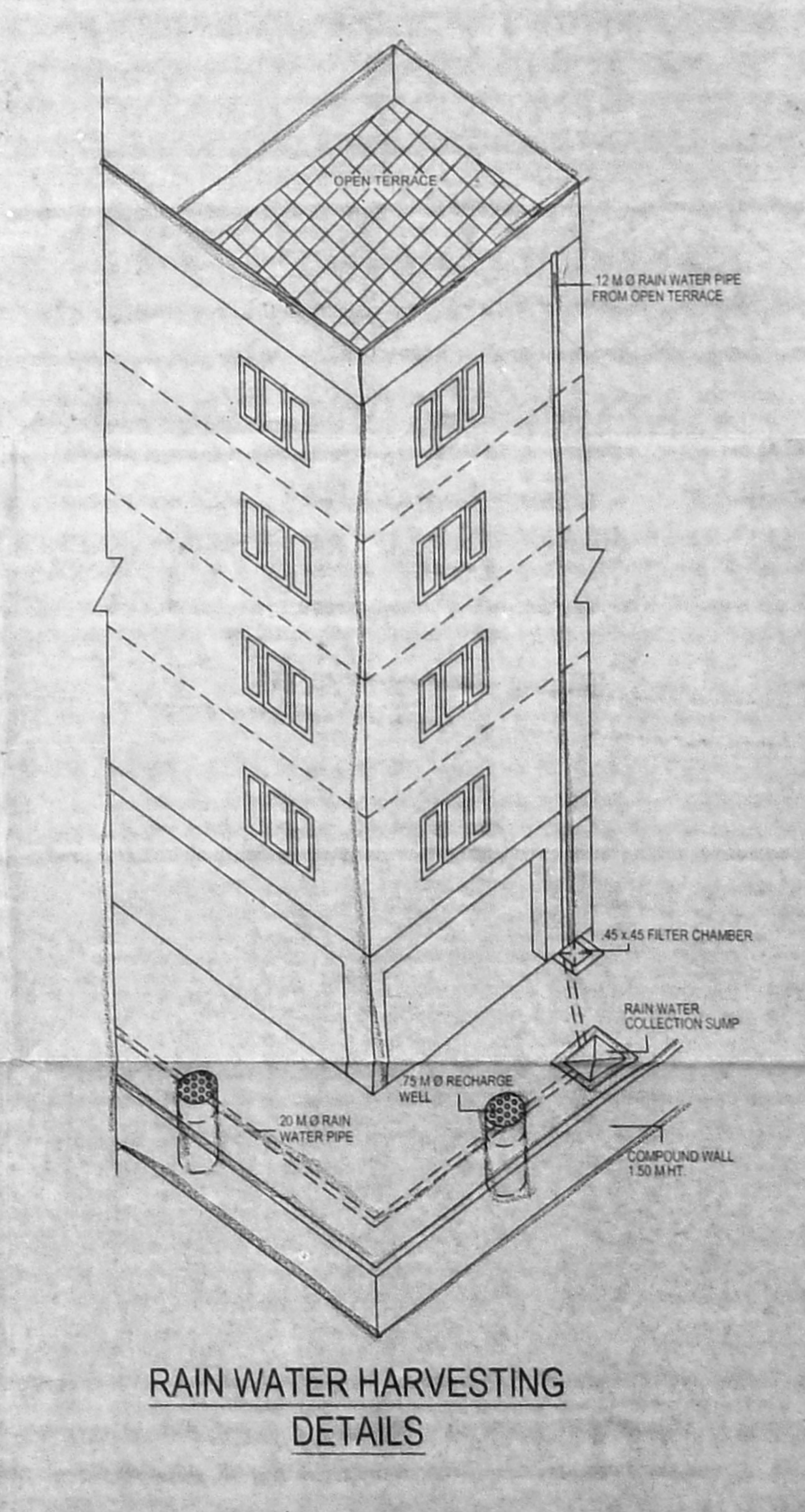
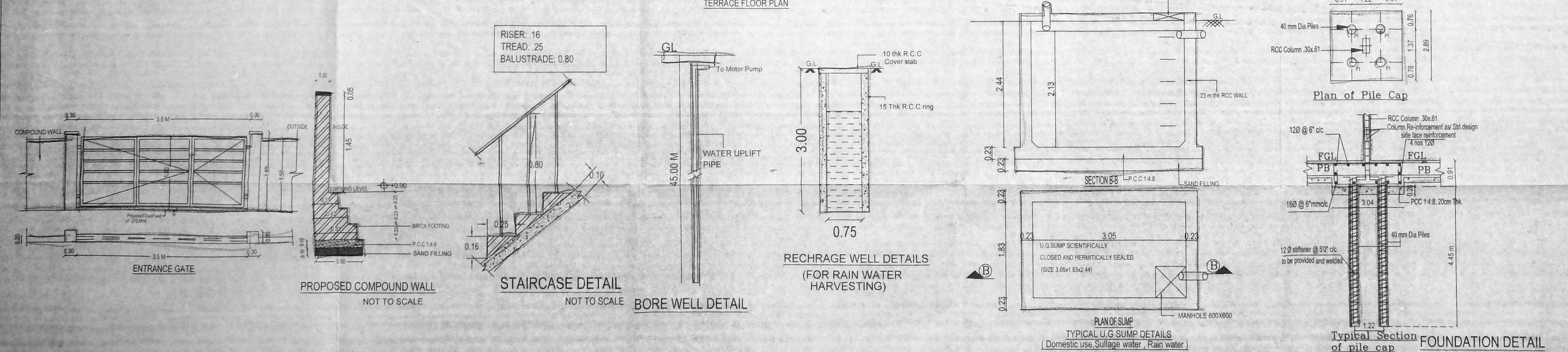
NO. OF UNITS = 82 Nos ✓
 NO. OF TWO WHEELER REQUIRED = 91 Nos ✓
 NO. OF TWO WHEELER PROVIDED = 155 Nos ✓

AREA STATEMENT Sq.M

PLOT AREA AS PER APPROVED LAYOUT (LEAST EXTENT) = 1704.37

F.S.I AREA

STILT FLOOR	30.94 ✓
FIRST FLOOR	842.94 ✓
SECOND FLOOR	842.94 ✓
THIRD FLOOR	810.50 ✓
FOURTH FLOOR	810.56 ✓
TOTAL AREA	3337.94 ✓
PLOT COVERAGE	49.46% ✓
F.S.I	3337.94 ✓
	1704.37 ✓



For MCB DEVELOPERS PVT LTD
 Director
 SIGNATURE OF THE APPLICANT

SIGNATURE OF REGISTERED STRUCTURAL ENGINEER

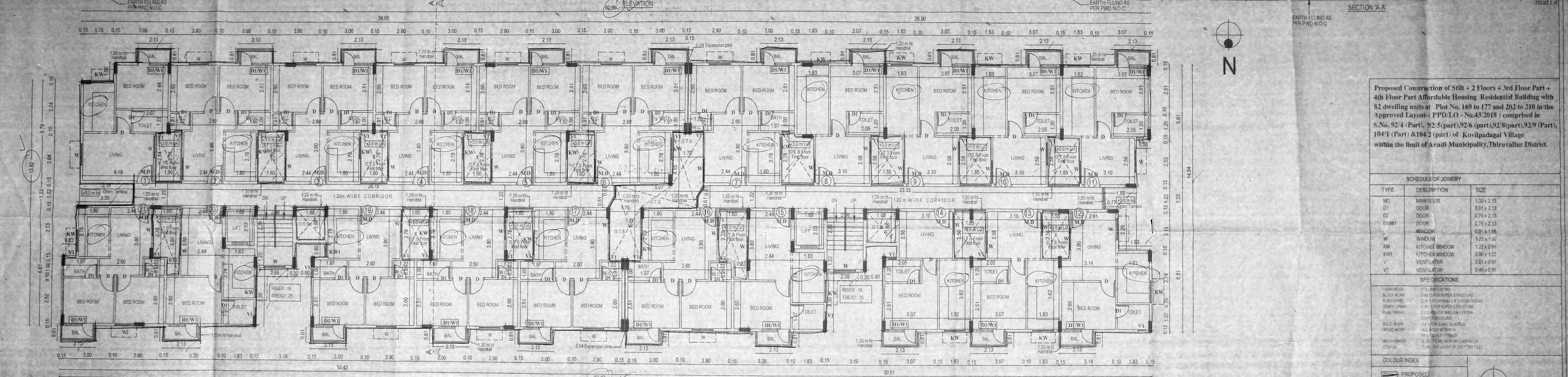
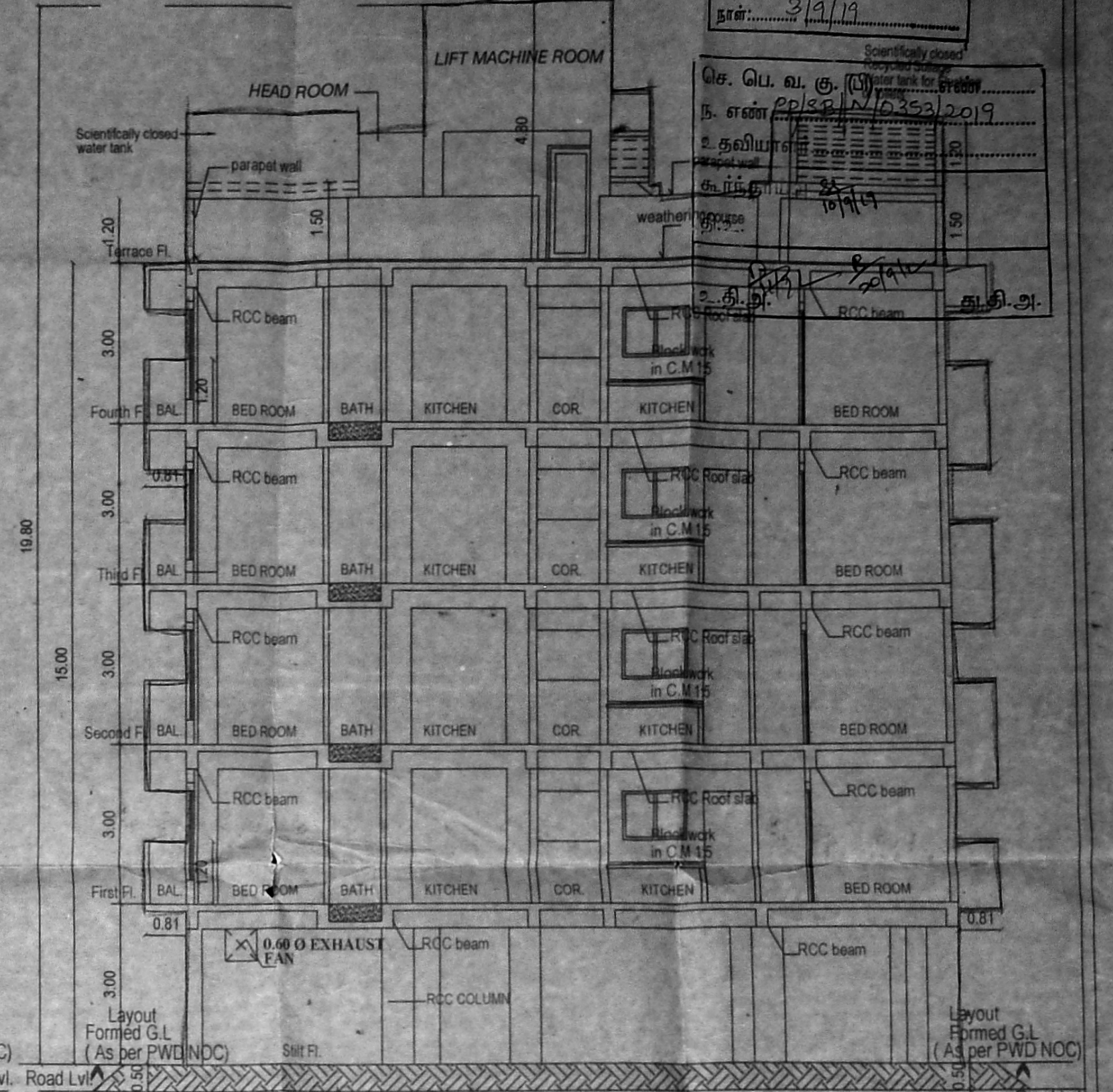
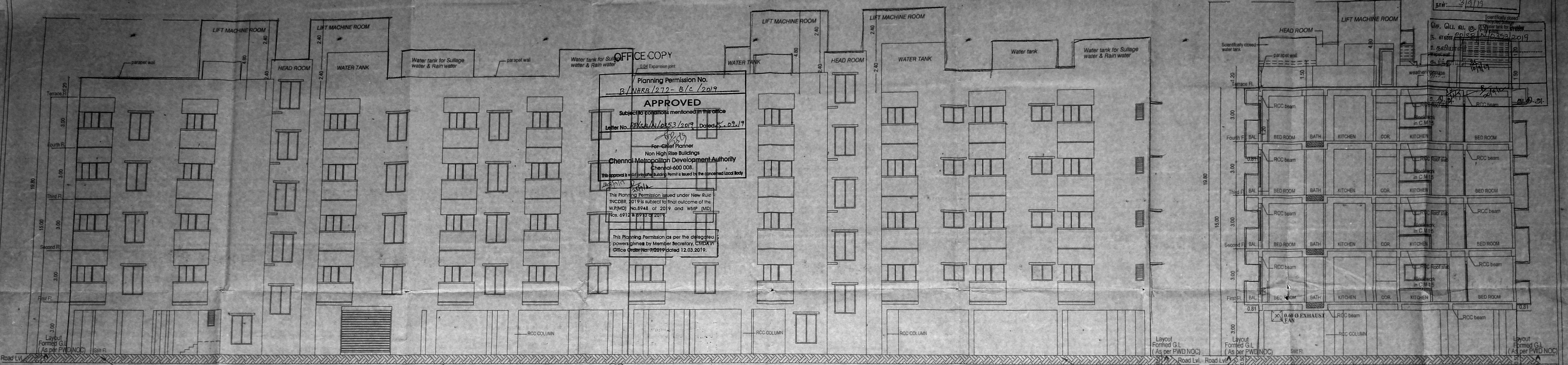
SIGNATURE OF REGISTERED ARCHITECT

P. HARAPPAN, E.E. M.E.
 Consulting Civil & Structural Engineer,
 Registered Engineer
 Grade - 1 (REG. NO. 1/19/1/057)
 CIDA
 Cell: 9841296750, Ph: 26745555

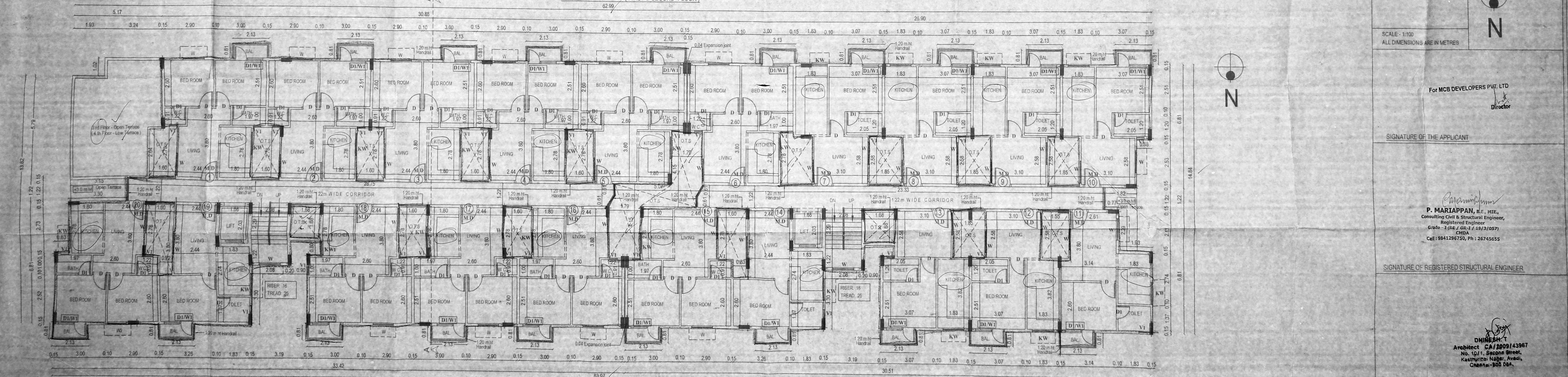
DHINESH T
 Architect CA/2009/43867
 No. 10/1, Second Street,
 Kasturba Nagar, Avadi,
 Chennai-600 054.

SHEET No: 1/2

OFFICE COPY
 Planning Permission No.
 B/1188/2/2-2-B/C/2019
APPROVED
 Subject to conditions mentioned in this office
 Letter No. B/C/1188/2/2-2-B/C/2019, Dated 2.03.19
 For Chief Planner
 Non High Rise Buildings
 Chennai Metropolitan Development Authority
 Chennai-600 008.
 This approval is valid only for the purpose mentioned in the office copy.
 The Planning Permission issued under New Rule
 (MCDR, 2019) is subject to final outcome of the
 WIPRO No. 6948 of 2019 and WIPR (MCD)
 No. 6912 of 2019.
 This Planning Permission is per the delegated
 powers given by Member Secretary, CMDA in
 Office Order No. 9/2019 dated 12.03.2019.



TYPICAL FLOOR PLAN (FIRST & SECOND FLOOR)



TYPICAL FLOOR PLAN (THIRD & FOURTH FLOOR)

Proposed Construction of Silt + 2 Floors + 3rd Floor Part +
 4th Floor Part Affordable Housing Residential Building with
 82 dwelling units at Plot No. 169 to 177 and 202 to 210 in the
 Approved Layout- (PPD.L.O - No.43 2018) comprised in
 S.No. 92/4 (Part), 92/5 (part), 92/6 (part), 92/8 (part), 92/9 (Part),
 104/1 (Part) & 104/2 (part) of Kovilpadagai Village
 within the limit of Avadi Municipality, Thiruvallur District.

TYPE	DESCRIPTION	SIZE
MD	MAIN DOOR	1.00 x 2.13
D1	DOOR	0.91 x 2.13
D2	DOOR	0.75 x 2.13
DI/W1	DOOR	0.75 x 2.13
W	WINDOW	0.91 x 1.68
KW	KITCHEN WINDOW	1.22 x 0.91
KW1	KITCHEN WINDOW	0.80 x 1.22
V	VENTILATOR	0.81 x 0.91
V1	VENTILATOR	0.45 x 0.91

SPECIFICATIONS
 FOUNDATION: COLLECTOR BED
 BLOCK WORK: 0.15 MASONRY STRUCTURE
 PLASTERING: 12.5 MASONRY & 12.5 MASONRY
 20MM FINE SAND: 12.5 MASONRY & 12.5 MASONRY
 PLASTERING: 12.5 MASONRY & 12.5 MASONRY
 R.C.C WORK: 12.5 MASONRY & 12.5 MASONRY
 WOOD WORK: ALL WOOD WORKS
 WEATHERING: ALL WOOD WORKS
 COUSING: ALL WOOD WORKS

COLOUR INDEX	PROPOSED

SCALE: 1:100
 ALL DIMENSIONS ARE IN METRES

For MCB DEVELOPERS PVT. LTD
 Director

SIGNATURE OF THE APPLICANT

P. MARIAPPAN, M.E., M.E.,
 Consulting Civil & Structural Engineer,
 Registered Engineer,
 CMAA
 Cell: 9841296750, Ph: 26745655

SIGNATURE OF REGISTERED STRUCTURAL ENGINEER

ARCHITECT: CA/2009/43967
 No. 10/1, Spandee Street,
 Kasturba Nagar, Avadi,
 Chennai-600 064.

SIGNATURE OF REGISTERED ARCHITECT

PROPOSED SEWAGE TREATMENT PLANT OF 0.045 MLD CAPACITY

Moving Bed bio - film reactor (MBBR)

OFFICE COPY

திருத்திய வரைபடம்: 3/9/19
நாள்: 3/9/19

செ. பெ. வ. கு. (பி).....
ந. எண்...
உதவியாளர்.....
சு.ந்.தாய்வு.....
தி.உ.....
உ.தி.அ.....

LEGEND:

1. SCREEN CHAMBER
2. GRIT CHAMBER
3. BALANCING TANK
4. ANAEROBIC TANK
5. ANOXIC TANK
6. AEROBIC TANK (BOD REDUCTION)
7. AEROBIC TANK (NITRIFICATION)
8. SEDIMENTATION TANK
9. EFFLUENT LAUNDER
10. DISINFECTION TANK
11. CHLORINE DOSING TANK
12. INTERMITTENT EFFLUENT STORAGE TANK - 1
13. PRESSURE SAND FILTER
14. ACTIVATED CARBON FILTER
15. INTERMITTENT EFFLUENT STORAGE TANK - 2
16. SLUDGE COLLECTION TANK
17. POLYELECTROLYTE DOSING TANK
18. EFFLUENT SUMP
- UV. ULTRA VIOLET TREATMENT
- PB. PANEL BOARD
- FF. FILTER PRESS WITH POST LIME MODULE
- PCDT. POST CHLORINATION DOSING TANK
- SPI. SUBMERSIBLE PUMP - 1.90 cu.m/hr @ 12m
- SL. SLUDGE PUMP - 10 cu.m/hr @ 10m
- SP2 & SP3. SUBMERSIBLE PUMP
- MB1 & MB2. MONOBLOCK PUMP - 1.90 cu.m/hr @ 12m
- DP. DRAIN PUMP
- B1. AIR BLOWER FOR DIFFUSED AERATION
- B2. AIR BLOWER FOR AIR CIRCULATION SYSTEM
- G.L. & H.L. ARE IN METRES
- RAW SEWAGE LINE (80mm dia)
- EFFLUENT LINE (100mm dia)
- SLUDGE LINE (100mm dia)
- AIR LINE (25mm dia)
- DUCT PROVIDED FOR AIR CIRCULATION IN BASEMENT
- ***** DIFFUSED AIR ARRANGEMENTS

Planning Permission No. - B/NHRB/272 - e/c/2019

APPROVED

Subject to conditions mentioned in this office

Letter No. PP/SB/N/353/2019 Dated 09/09/2019

For Chief 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

DESIGN DATA:

No of Flats - 82 nos

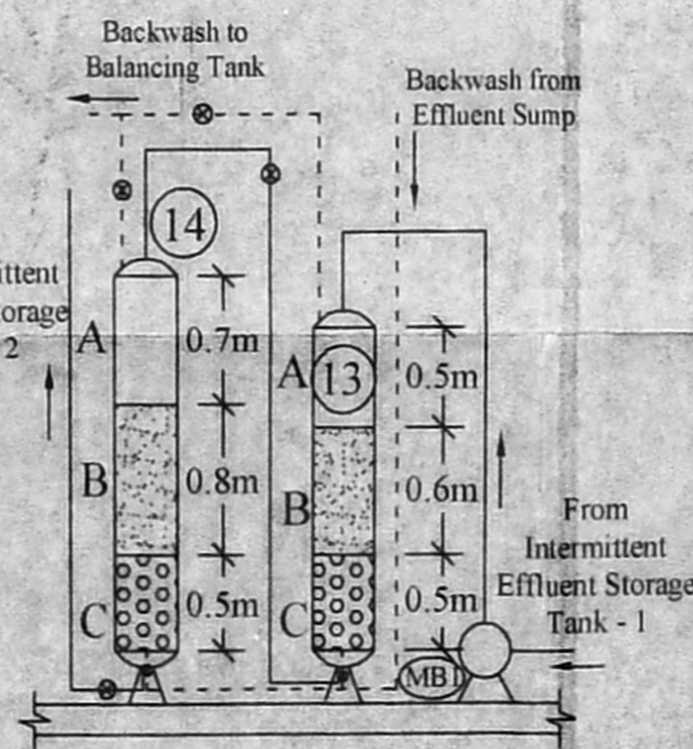
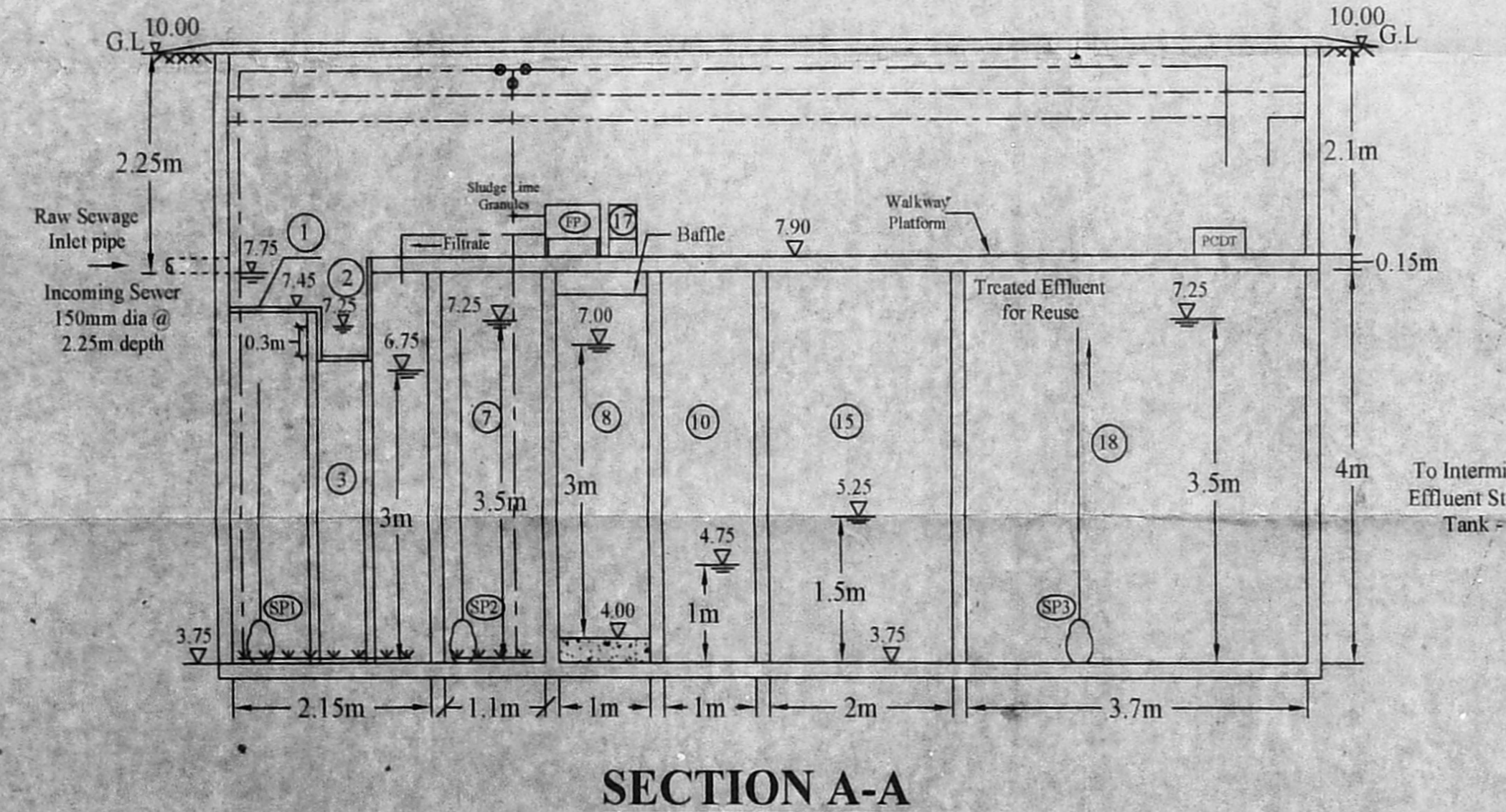
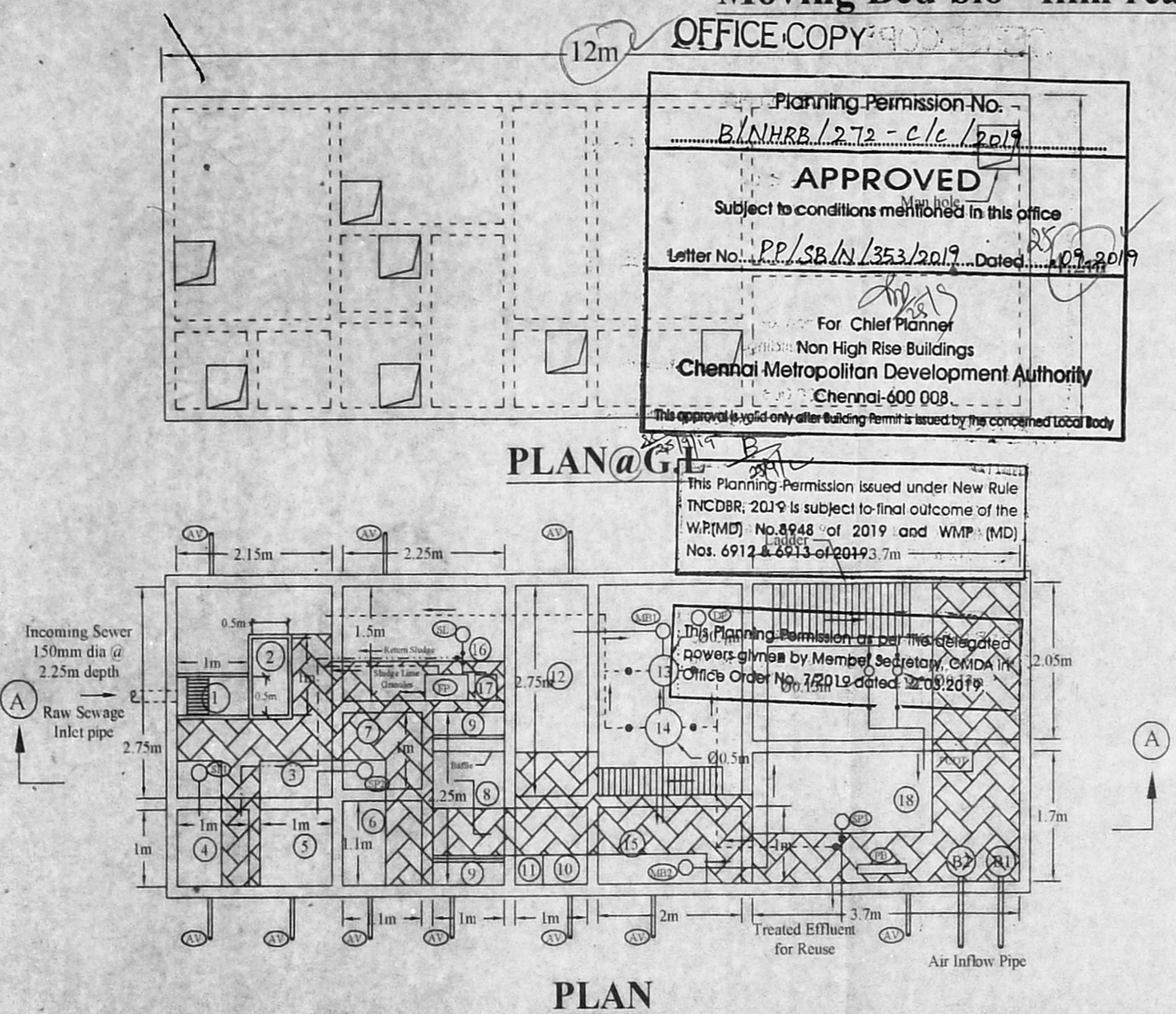
No of Occupants - 410 nos

Rate of water supply - 135 lpcd

Water Consumption - 55350 L/D

Sewage generated - 44280 L/D

Proposed capacity of STP - 0.045 MLD



PROPOSED LOCATION AND ACCESS TO STP:

The treatment units are proposed to be constructed below GL with access from Manhole opening provided at ground level. The panel board and air blowers are to be placed on the platform of STP. The air inflow pipe to blowers and air vent pipe to be laid below drive way and fixed in the compound wall for air circulations.

Raw Sewage Characteristics - TABLE -1:		Characteristics of Treated effluent - TABLE -2:	
Parameters	Values	Parameters	Values
1 Biochemical Oxygen Demand	350 mg/l	1 BOD ₅	≤ 10 mg/l
2 Chemical Oxygen Demand	700 mg/l	2 COD	≤ 60 mg/l
3 Total Suspended Solids	450 mg/l	3 Total Suspended Solids (TSS)	Nil
4 Total Kjeldahl Nitrogen (as N)	45 mg/l	4 Total Kjeldahl Nitrogen (as N)	≤ 10 mg/l
5 Total Phosphorous	5 mg/l	5 Dissolved Phosphorous as P	≤ 1 mg/l
6 Faecal Coliform	10 ⁶ MPN/100 ml	6 Faecal Coliform in 100ml	Nil
7 pH	6.5 - 8.5	7 pH	6.5 - 8.3
		8 Minimum Residual Chlorine	2 mg/l

PROPOSED SEWAGE TREATMENT PLANT OF 0.045 MLD CAPACITY - PROPOSED CONSTRUCTION OF AFFORDABLE HOUSING RESIDENTIAL BUILDING AT PLOT Nos : 169 to 177 AND 202 to 210 COMPRISED IN S.Nos: 92 /4(part), 92 /5 (part), 92 /6(part), 92 / 8(part), 92 / 9 (part), 104 /1(part) & 104 / 2 (part) OF KOVILPADAGAI VILLAGE, AVADI TALUK, TIRUVALLUR DISTRICT, AVADI MUNICIPALITY LIMIT.

For MCB DEVELOPERS PVT. LTD
Director

SANJAY KUMAR.K, BE., ME., ENVIRONMENTAL ENGINEER
TERRA GREEN SOLUTIONS
WEST K.K. NAGAR,
CHENNAI - 600 078.

SIGNATURE OF APPROVED ENVIRONMENTAL CONSULTANT:

SIGNATURE OF APPLICANT: