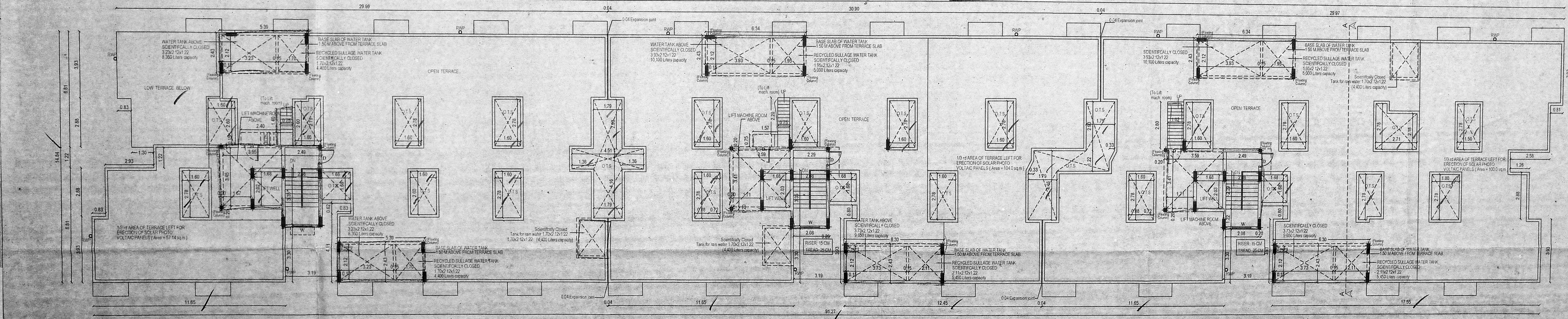


செ. பெ. வ. கு. (19)
 த. எண். P.P. 89 (N) 553 / 2019
 உ. த. வி. ய. எ.
 த. நா. 08 / 11 / 2021

Planning Permission No. B/NHRB/269/RIC/2021
APPROVED
 Subject to conditions mentioned in this notice.
 Dated: 02.09.2021
 Chennai Metropolitan Development Authority
 Chennai-600 008.

This Planning Permission as per the delegated powers given in the Municipal Corporation Order No. 7/2019 dated 12.03.2019.

This Planning Permission issued under New Rule No. 19 of 2012 is subject to final outcome of the WMP (MC) No. 6948 of 2019 and WMP (MC) No. 6912 & 6913 of 2019.



Proposed Construction of 3rd + 4th Floor Part Affordable Housing Residential Building With 114 Dwelling Units at Plot No. 178 to 201 in the Approved Layout (P.D.L.O. No. 43/2018) Comprising in S.No: 70/4(part), 70/5 (part), 92/8 (part), 92/9 (part), 92/2(part), 92/3(part), 92/4(part), 92/5(part), 92/6(part), 92/7(part), 92/8(part), 92/9(part), 92/10(part), 92/11(part), 92/12(part), 92/13(part) of Kotturamkuppam Village, within the Limit of Avadi Municipality, Thiruvallur District.

SCHEDULE OF JOINERY		SIZE
D	DOOR	8'0" x 2'10"
W	WINDOW	1'2" x 1'8"

SCALE: 1:100 ALL DIMENSIONS ARE IN METRES

COLOR INDEX

PROPOSED	ROAD	BOUNDARY
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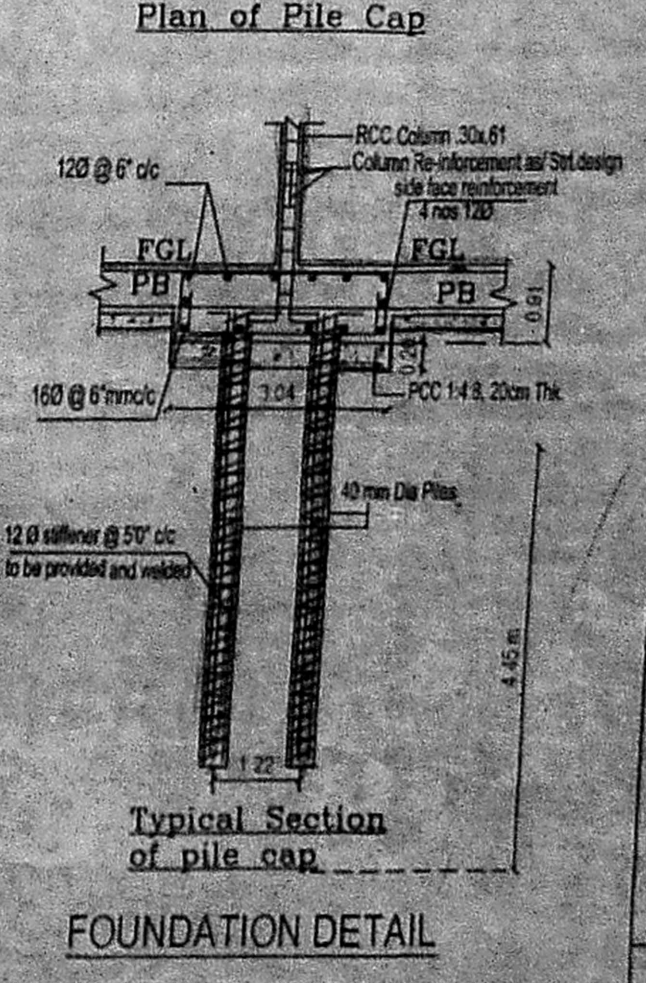
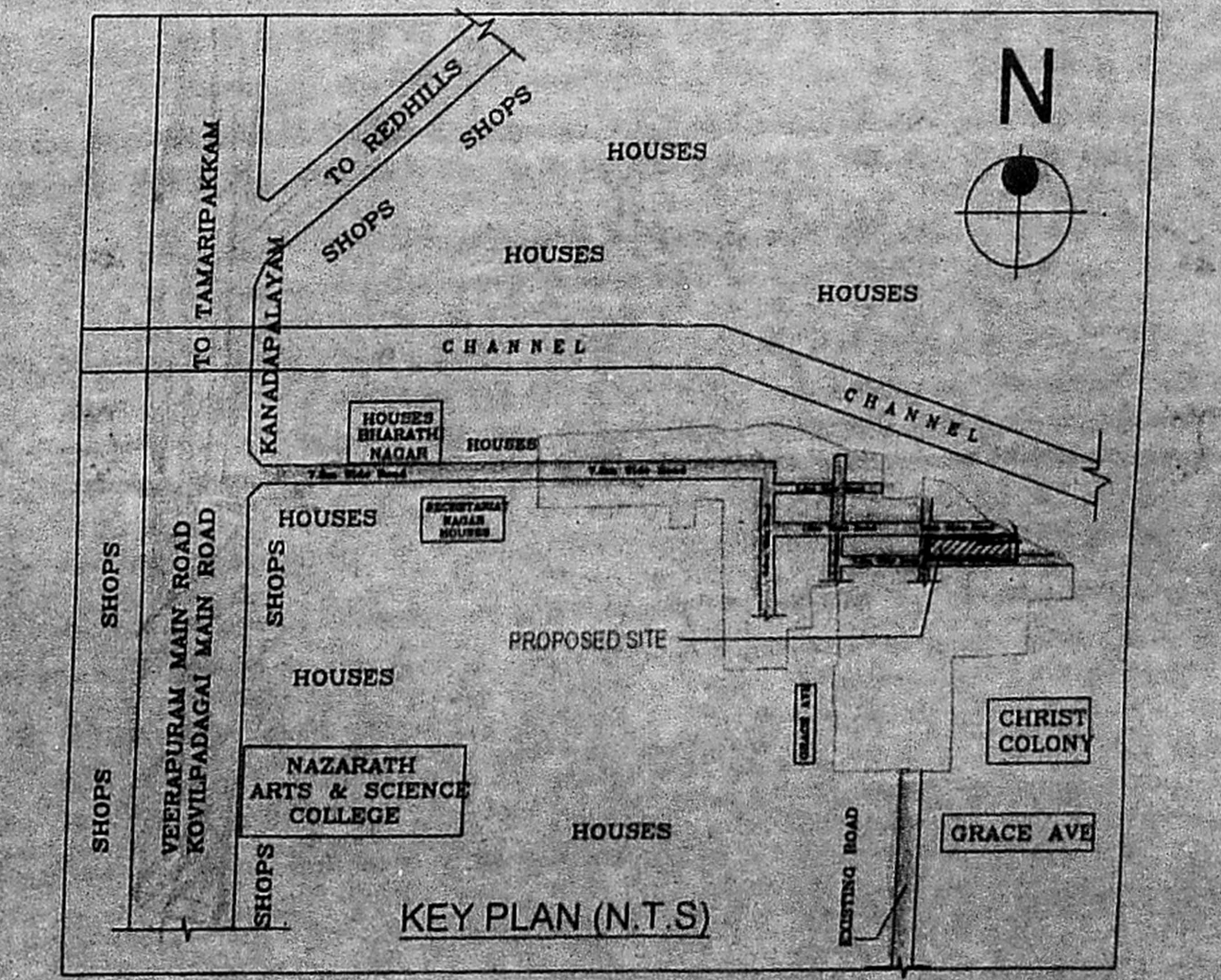
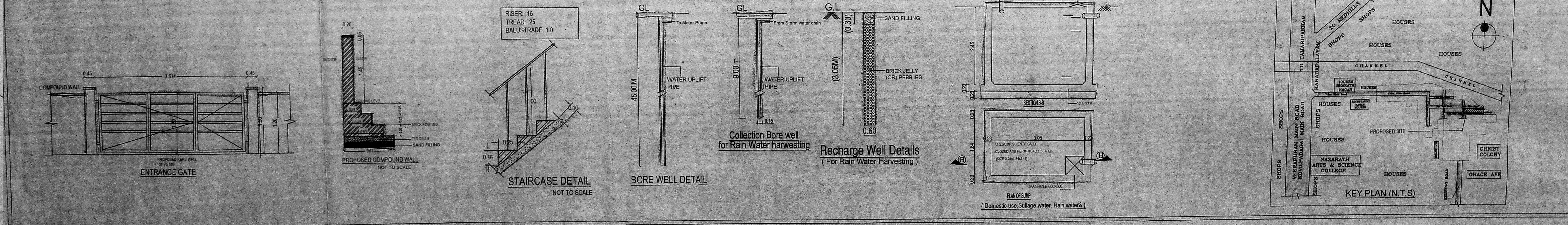
NO. OF DWELLING UNITS = 114 Nos.
 NO. OF TWO WHEELER REQUIRED = 128 Nos.
 NO. OF TWO WHEELER PROVIDED = 242 Nos.

AREA STATEMENT

PLOT AREA (As per Approved Layout)	= 2450.24
PLOT AREA As per Site (Least Extent)	= 2427.25

FLOORS

STILT FLOOR	297.73
FIRST FLOOR	1217.90
SECOND FLOOR	1217.90
THIRD FLOOR	1178.66
FOURTH FLOOR	1178.66
TOTAL AREA	4824.85
PLOT COVERAGE	49.71%
F.S.I. ACHIEVED	1.988
	2427.25



For MCB DEVELOPERS PVT. LTD Director

SIGNATURE OF APPLICANT

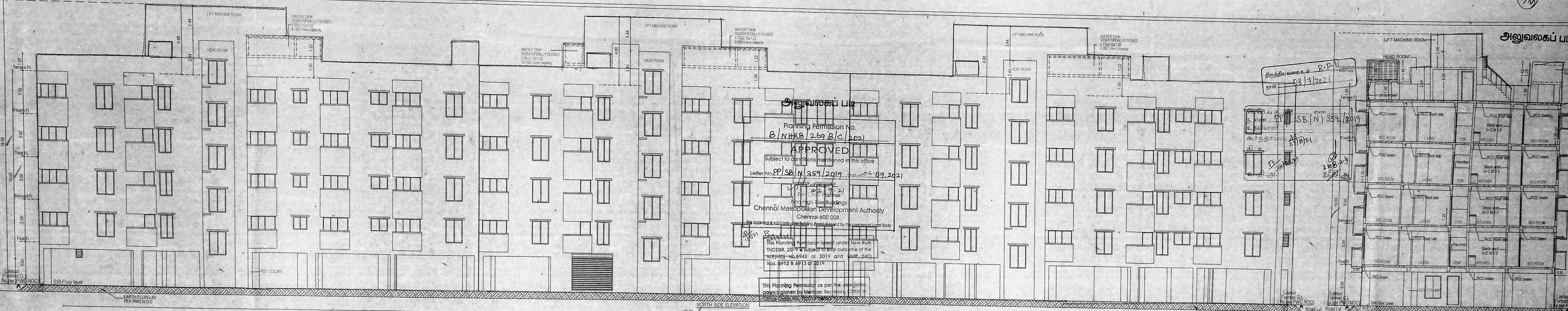
P. MARIAPPAN, B.E., M.T.E.,
 Consulting Civil & Structural Engineer,
 Registered Engineer
 Grade - I (RE / GR-1 / 19/3/057)
 CMAA
 Cell: 9941242729, P: 24745655

SIGNATURE OF REGISTERED STRUCTURAL ENGINEER

DHINESH T
 Arch: MCA / 2008 / 43867
 No. 10/1, Second Street,
 Kanchi Nagar, Avadi,
 Chennai-600 054.

SIGNATURE OF REGISTERED ARCHITECT

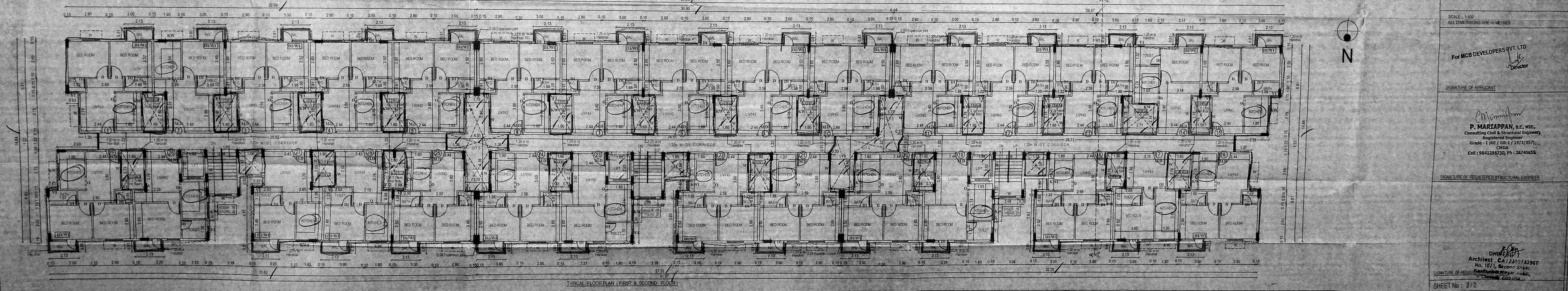
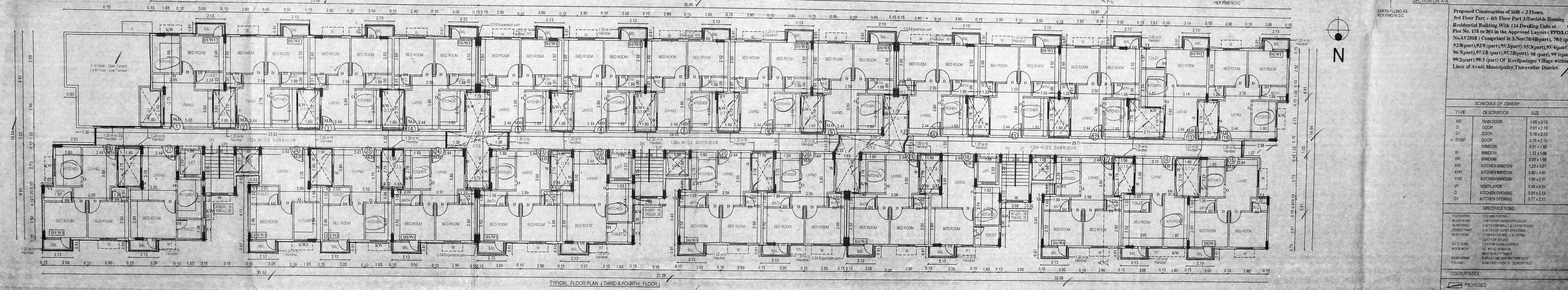
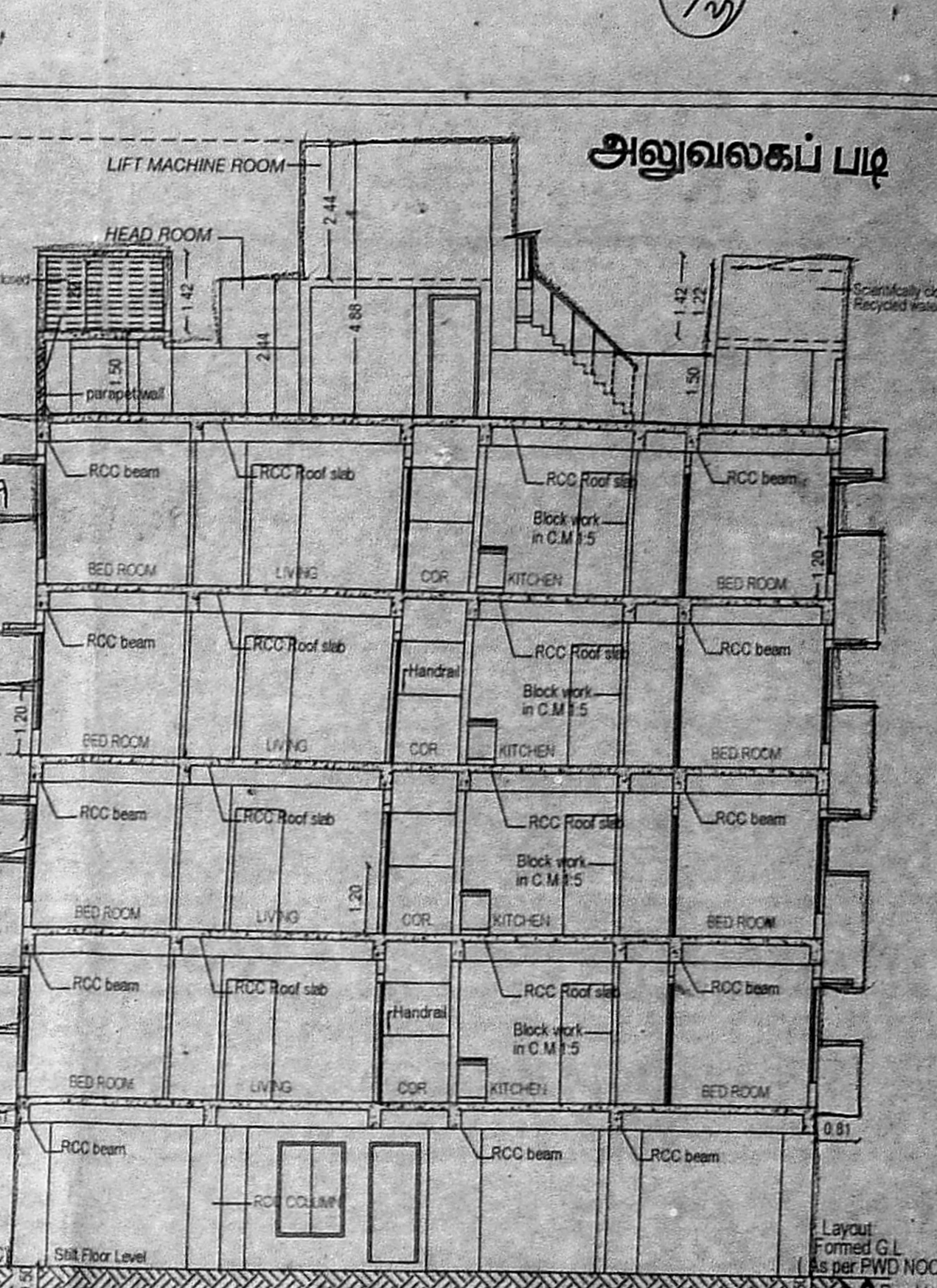
SHEET No: 1/2



அலுவலகப் படம்
 Planning Permission No. B/NHRB/259/B/C/202
 APPROVED
 Subject to conditions mentioned in this office
 Letter No. PP/SB/N/359/2019 dated 09.09.2021
 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 approved Layout.
 This Planning Permission is issued under New Rule W/CORR. 2019 subject to the outcome of the W/MP/MS-68948 of 2019 and W/MP-6003 Nos. 6912 & 6913 of 2019.
 This Planning Permission as per the delegate powers given by Member Secretary, CMDA.

அலுவலகப் படம் R.P.M
 08/3/2021

சென்னை மாநகராட்சி
 சி.பி.ஓ. அலுவலகம்
 சி.பி.ஓ. அலுவலகம்
 சி.பி.ஓ. அலுவலகம்



Proposed Construction of 3rd + 4th Floor Part Affordable Housing Residential Building With 114 Dwelling Units at Plot No. 153 to 201 in the Approved Layout - E.P.U.L. Co. No.43/2018 (Compliant in S.No.70/B(part), 785(part), 923(part), 929(part), 952(part), 953(part), 954(part), 963(part), 971B(part), 972(part), 98(part), 99(part), 992(part), 993(part) OF Kovvur Village within the Limit of Avadi Municipality, Thiruvallur District.

SCHEDULE OF JOINERY

TYPE	DESCRIPTION	SIZE
MD	MAIN DOOR	1.80 x 2.13
D	DOOR	0.91 x 2.13
D1	DOOR	0.78 x 2.13
D1W1	DOOR	0.78 x 2.13
W	WINDOW	0.91 x 1.85
W1	WINDOW	1.22 x 1.88
KW	KITCHEN WINDOW	1.22 x 0.91
KW1	KITCHEN WINDOW	0.80 x 0.91
KW2	KITCHEN WINDOW	1.00 x 0.97
V	VENTILATOR	0.48 x 0.51
O	KITCHEN OPENING	0.91 x 2.13
O1	KITCHEN OPENING	0.77 x 2.13

SPECIFICATIONS
 FLOORING: COLLAR ROOM
 BLOCK WORK: 1.5 CM THICK FOR STRUCTURE
 PLASTERING: 1.5 CM THICK FOR WALLS & 1.5 CM THICK FOR CEILING
 CEILING: 1.5 CM THICK FOR PLASTER
 PLASTERING: 2 CM THICK FOR WALL & 1.5 CM THICK FOR CEILING
 COAT FOR STAIRS
 ACC. STAIRS: 1.5 CM THICK FOR STAIRS
 ALL WOOD JOINTS: ALL WOOD JOINTS TO BE GLUED
 ALL WOOD JOINTS: ALL WOOD JOINTS TO BE GLUED
 WEATHERING: WEATHERING TO BE DONE AS PER SPECIFICATIONS
 COLOUR: COLOUR TO BE AS PER SPECIFICATIONS

COLOUR INDEX
 PROPOSED

SCALE: 1:100
 ALL DIMENSIONS ARE IN METRES

For MCB DEVELOPERS PVT. LTD
 Director

SIGNATURE OF APPLICANT
 P. MARIAPPAN, B.E., MIE,
 Consulting Civil & Structural Engineer
 Registered Engineer
 Grade - I (RE / 683 / 19/3/057)
 CHN
 Cell : 9841267250, Ph: 26745633

SIGNATURE OF REGISTERED STRUCTURAL ENGINEER

Architect: CA 2309/12067
 No. 10/1, Second Street,
 Chennai - 600 008

PROPOSED SEWAGE TREATMENT PLANT OF 0.065 MLD CAPACITY

Moving Bed bio - film reactor (MBBR)

திருத்திய வரைபடம்
நாள் 08/07/2021

அலுவலகப் படி

செ.பெ.வ.கு. (பி)
ந. எண் .PP/8B/N/359/2019
உதவியாளர்
கூர்ந்தாய்வு 31-8-21
தி. உ. தி. தி. அ.

DESIGN DATA:

அலுவலகப் படி

No of Flats - 114
No of occupants - 570
Rate of water supply - 135 lpcd
Water Consumption - 76950 L/D
Sewage generated - 61560 L/D
Proposed Capacity of STP - 0.065 MLD

APPROVED

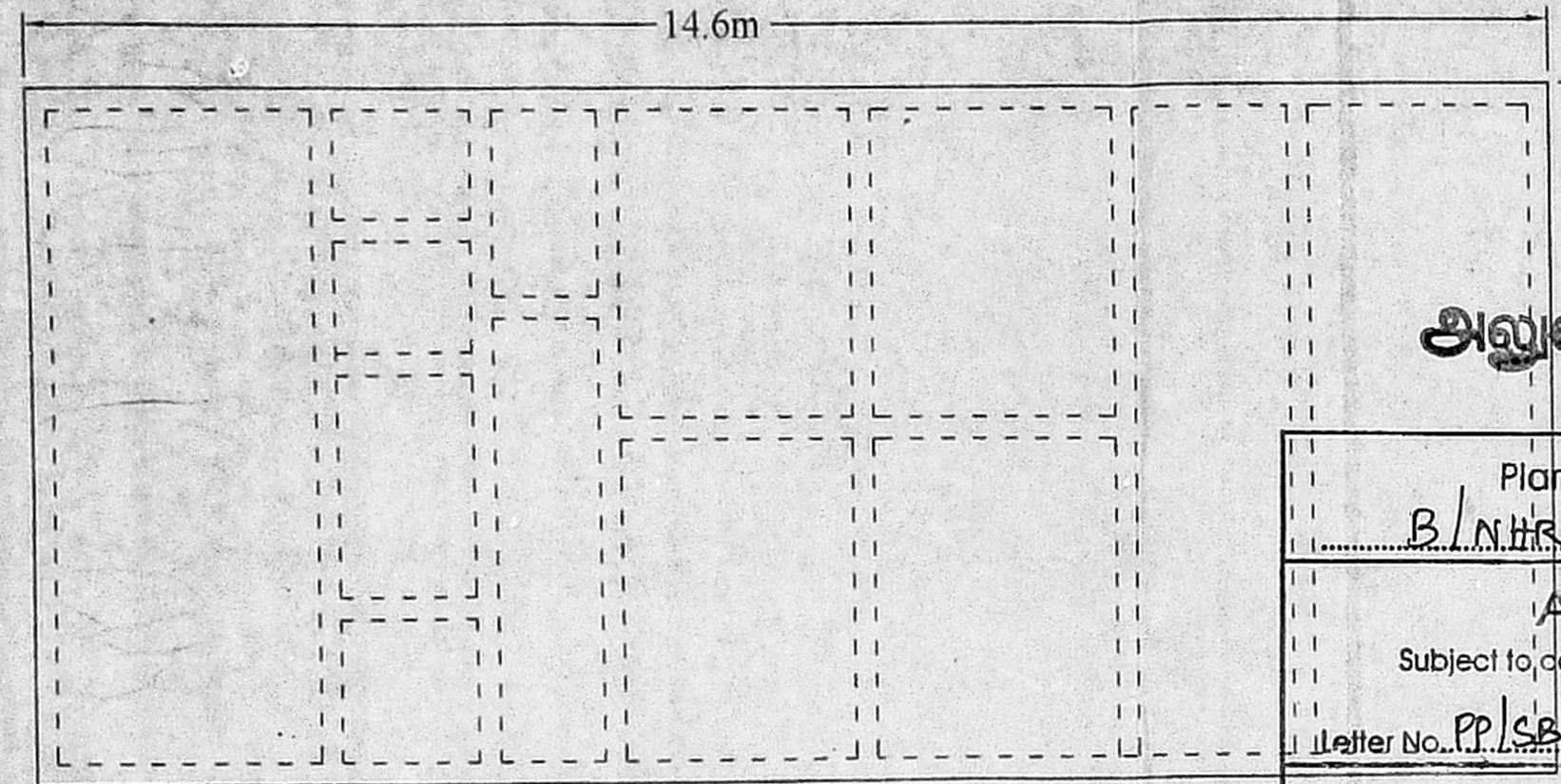
Subject to conditions mentioned in this office

Letter No. PP/8B/N/359/2019 Dated 02.09.2021

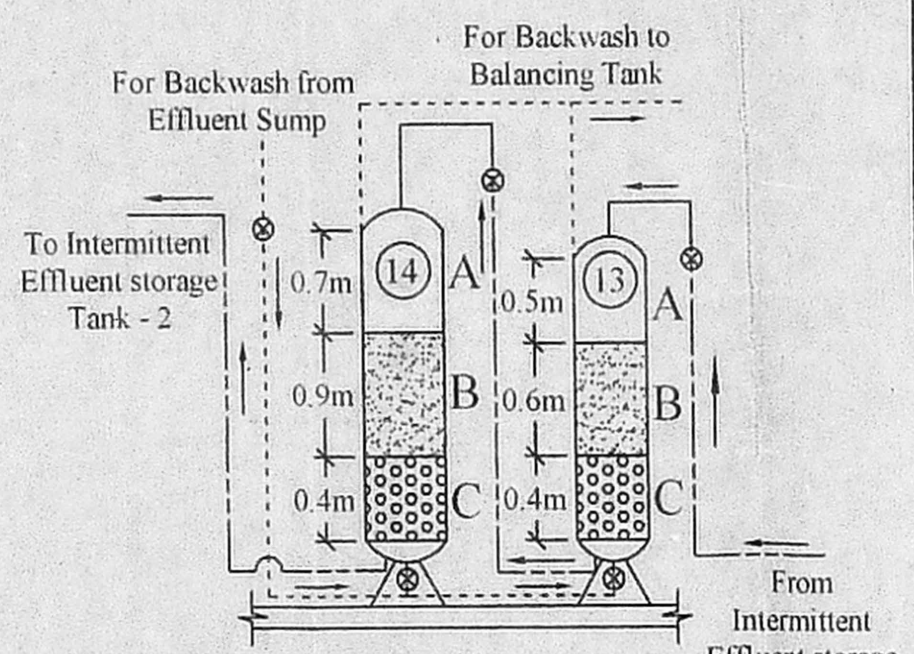
02-9-21
For Chief Planner
Non High Rise Buildings
Chennai Metropolitan Development Authority
Chennai-600 008.

This approval is valid only after Building Permit is issued by the concerned Local Body

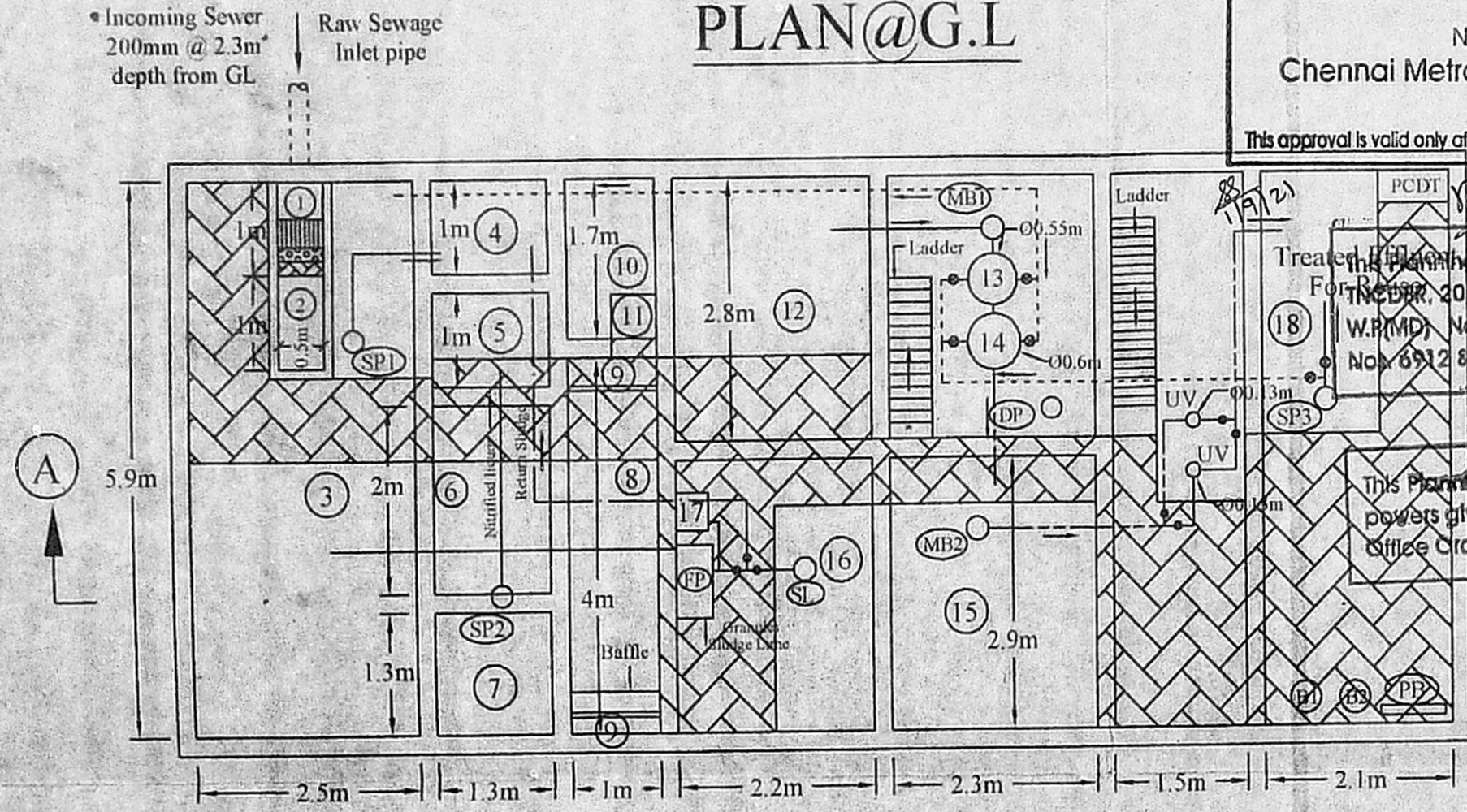
- LEGEND:**
1. SCREEN CHAMBER
 2. GRIT CHAMBER
 3. BALANCING TANK
 4. ANAEROBIC TANK
 5. ANOXIC TANK
 6. AEROBIC TANK (BOD REDUCTION)
 7. AEROBIC TANK (NITRIFICATION)
 8. SEDIMENTATION TANK
 9. EFFLUENT LAUNDER
 10. DISINFECTION TANK
 11. CHLORINE DOSING TANK
 12. INTERMITTENT EFFLUENT STORAGE TANK - 1
 13. PRESSURE SAND FILTER
 - A.Free Board, B.Filtering Media, C.Pebble
 - 14.ACTIVATED CARBON FILTER
 - A.Free Board, B.Filtering Media, C.Pebble
 15. INTERMITTENT EFFLUENT STORAGE TANK - 2
 16. SLUDGE COLLECTION TANK
 17. POLYELECTROLYTE DOSING TANK
 18. EFFLUENT SUMP
 - PB PANEL BOARD
 - UV ULTRA VIOLET TREATMENT
 - FP FILTER PRESS WITH POST LIME MODULE
 - PCDT POST CHLORINATION DOSING TANK
 - SP1 SUBMERSIBLE PUMP- 2.80 cu.m/hr @ 12m
 - SL SLUDGE PUMP - 10 cu.m/hr @ 10m
 - SP2 & SP3 SUBMERSIBLE PUMP
 - MB1 & MB2 MONOBLOCK PUMP - 2.80 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 (100mm dia)
 - EFFLUENT LINE (100mm dia)
 - SLUDGE LINE (100mm dia)
 - AIR LINE (25mm dia)
 - DUCT PROVIDED FOR AIR
 - CIRCULATION IN BASEMENT
 - *** DIFFUSED AIR ARRANGEMENTS



PLAN@G.L



DETAILS OF FILTERS

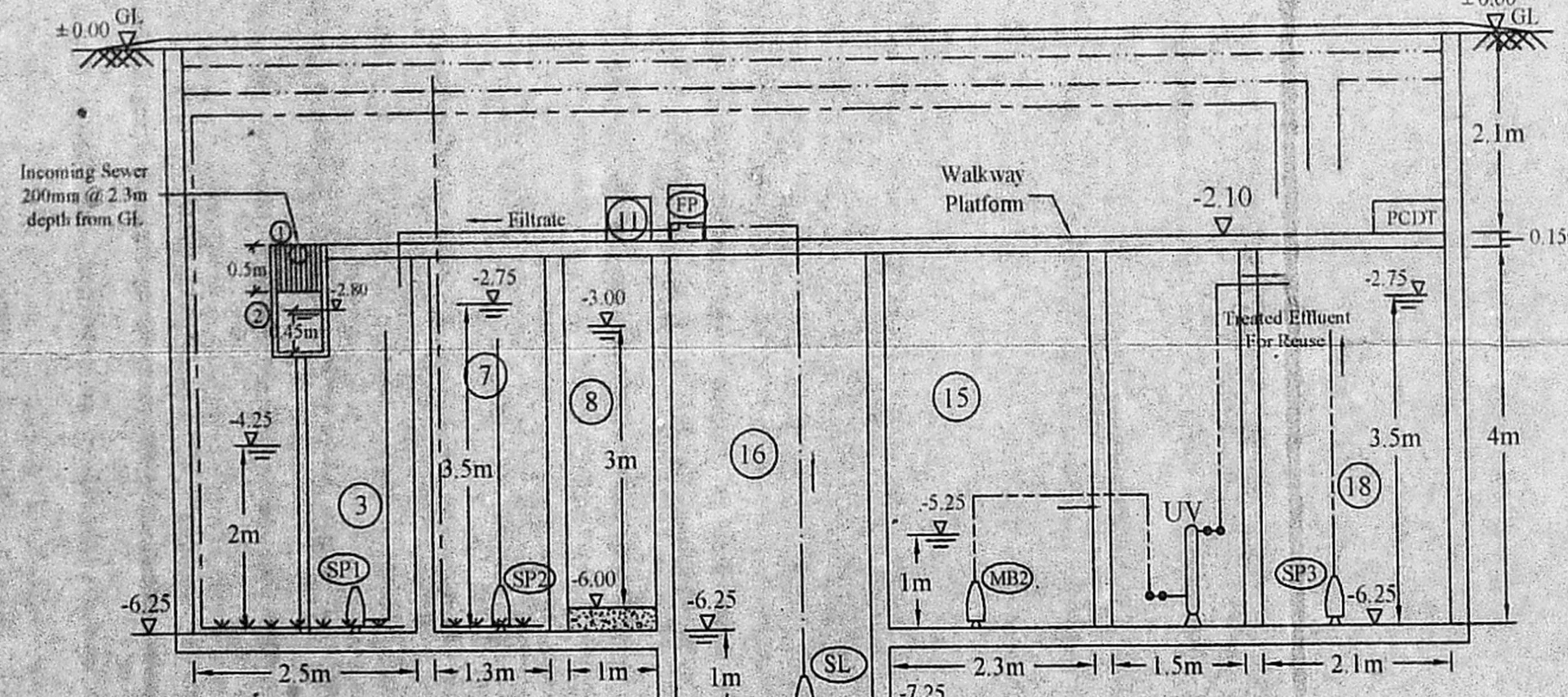


PLAN

PROPOSED STP 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



SECTION A-A

PROPOSED SEWAGE TREATMENT PLANT OF 0.065 MLD CAPACITY - PROPOSED CONSTRUCTION OF AFFORDABLE HOUSING RESIDENTIAL BUILDING AT PLOT Nos : 178 to 201 COMPRISED IN S.Nos:70/4B(part), 70/5 (part), 92/8(part), 92/9 (part), 95/2(part), 95/3(part), 95/4(part), 96/3(part), 97/1B (part),97/2B(part), 98 (part), 99/1(part), 99/2(part), 99/3 (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 APPLICANT:

SIGNATURE OF ENVIRONMENTAL ENGINEER: