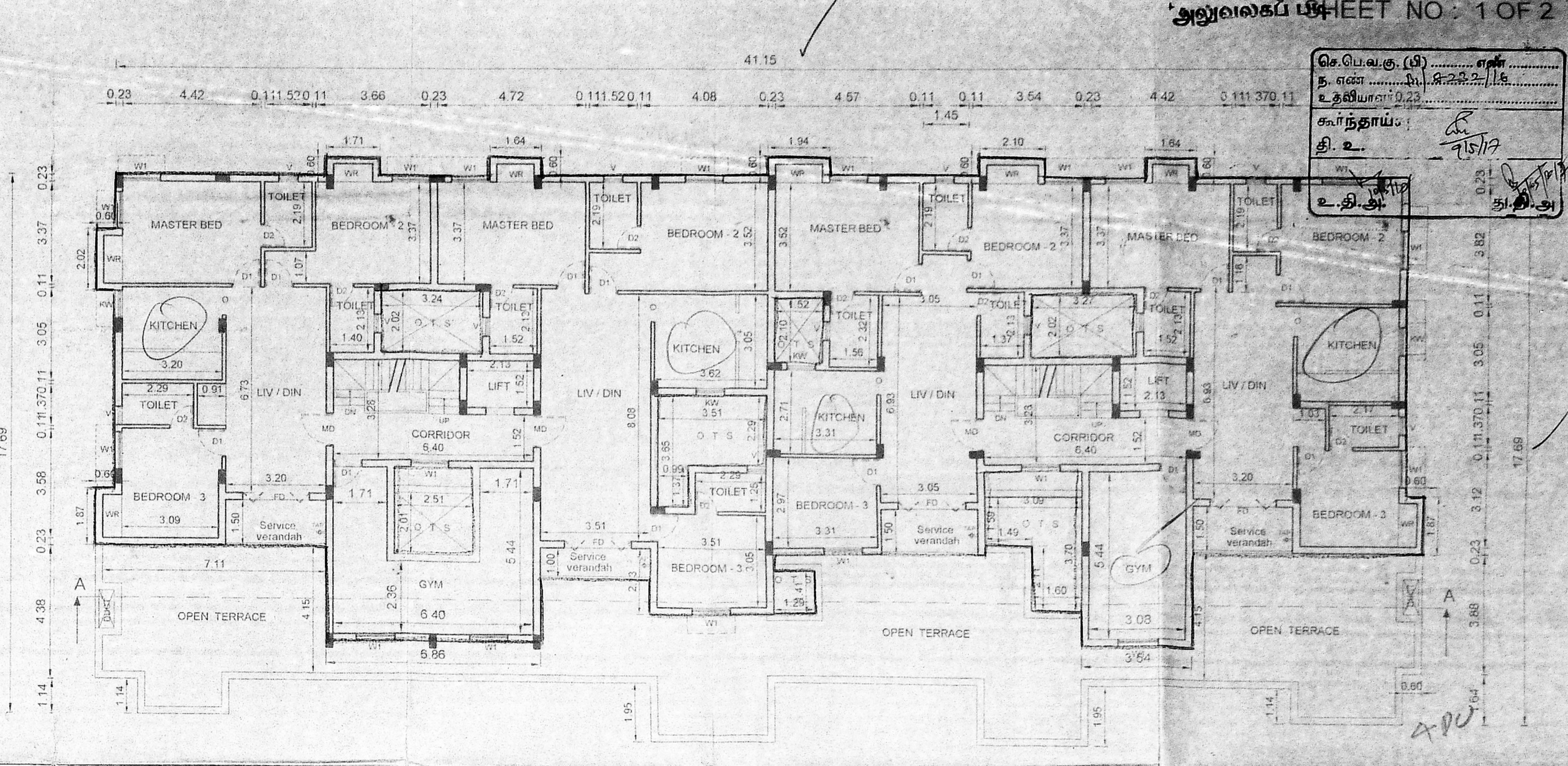
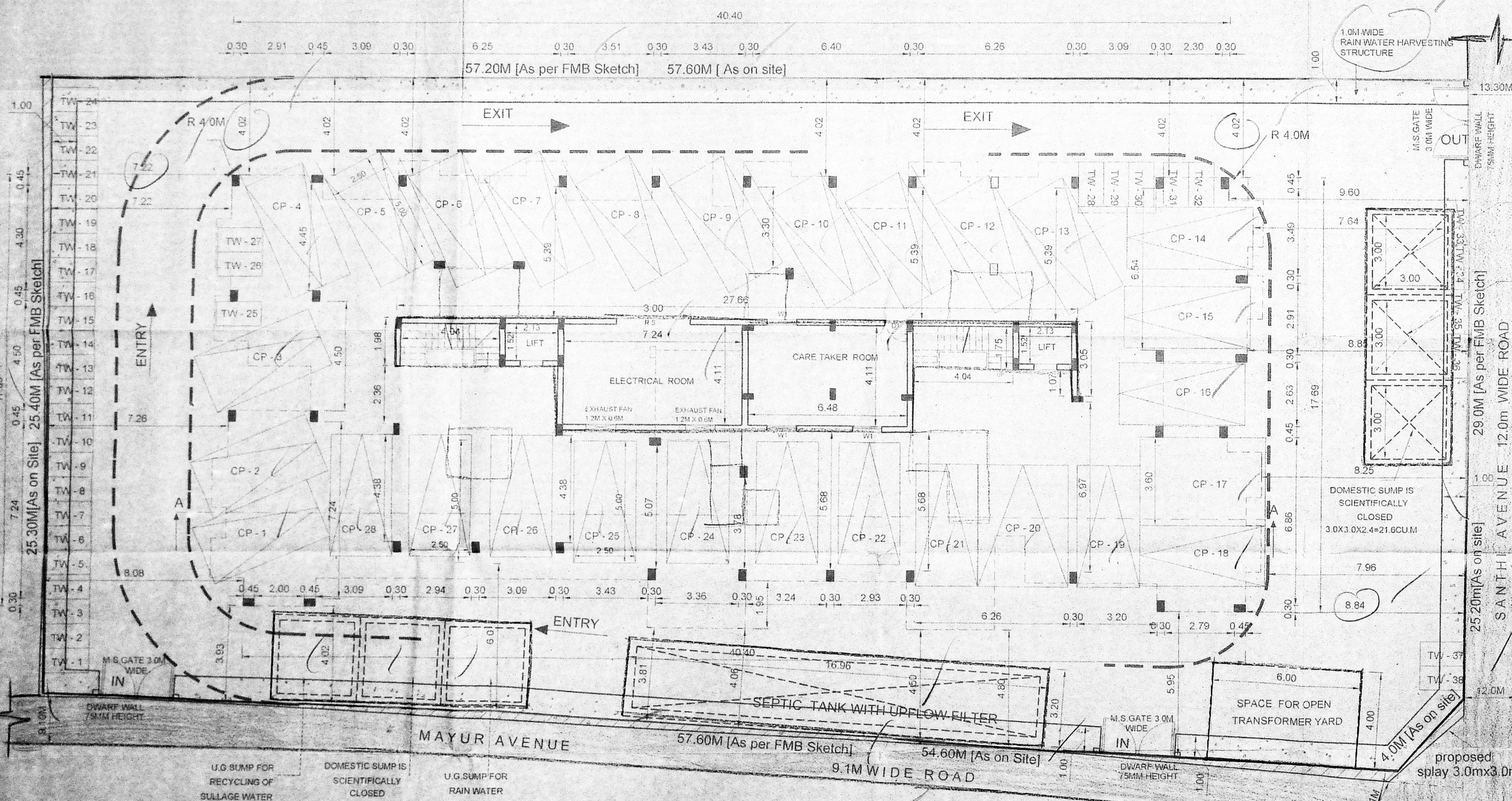


TYPICAL FLOOR PLAN [I, II & III]



FOURTH FLOOR PLAN [PART]



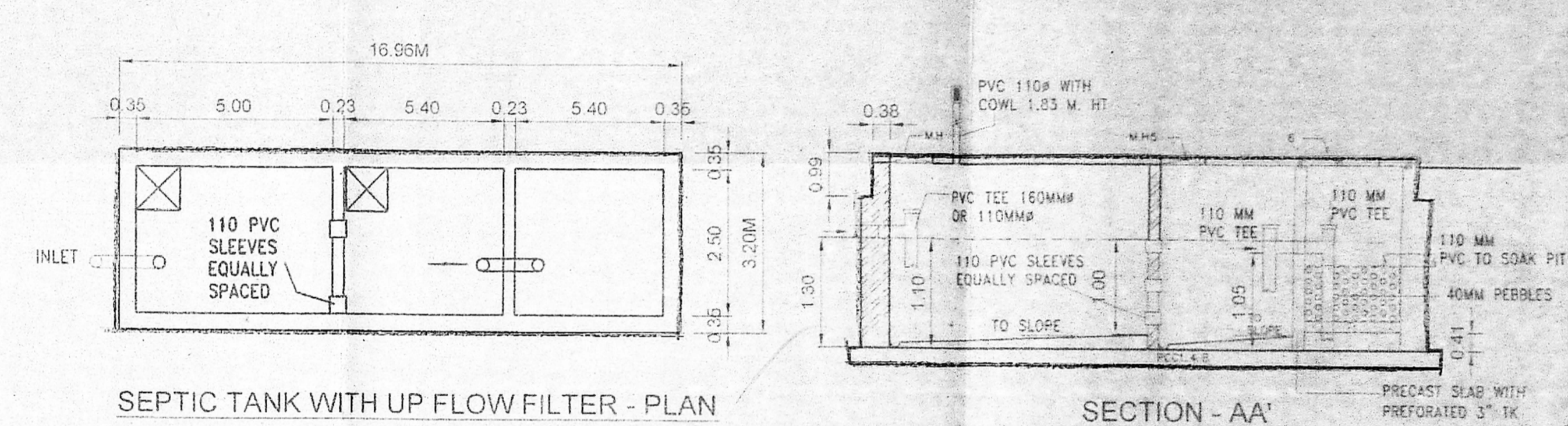
SITE CUM STILT FLOOR PLAN

SEPTIC TANK CALCULATION

NO OF DWELLINGS 28 NOS
 NO OF USERS 28 x 5 = 140 persons
 RATE OF WATER SUPPLY 150 / LPM / DAY
 FLOW OF SEWAGE /DAY 140 X 150 = 21000 LTS
 DETENTION PERIOD 18 HOURS
 TANK CAPACITY 21000 X 18 / 24 = 15750 LTS
 CLEANED EVERY YEAR SO STORAGE CAPACITY AT THE RATIO OF 18.0 LTS FOR A PERSON PER YEAR 21 X 18 = 378 LTS
 15750 + 378 = 16128 LTS
 WITH PROVISION FOR FUTURE EXPANSION LET THE TANK CAPACITY BE 16128 LTS
 PROVIDE SEPTIC TANK SIZE L X B X D = 5.0 X 2.5 X 1.3 = 16.25 CU M

UPFLOW FILTER

DISCHARGE FOR 70 PERSONS 140 X 70 = 9800 LTRS
 VOLUME: 140 X 0.25 = 35 CU M
 DEPTH: 1.1 - 0.3 = 0.8M
 PLAN AREA REQUIRED 35 / 0.8 = 43.75 Sq m
 SIZE OF THE FINAL SUMP 10.8 X 2.5 X 1.3 = 35 CU M
 UPFLOW FILTER-1 = 5.4 X 2.5 X 1.3
 UPFLOW FILTER-2 = 5.4 X 2.5 X 1.3



SEPTIC TANK WITH UP FLOW FILTER - PLAN

SECTION - AA'

COLOUR INDEX:-	JOINERY DETAILS	PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING AT PLOT NOS : 1,2,3,4, 5 & 6, SHANTHI AVENUE, CHITLAPAKKAM, CHENNAI IN S.NO: 4 / 12, 4 / 13 & 4 / 20 OF CHITLAPAKKAM VILLAGE, CHITLAPAKKAM TOWN PANCHAYAT, TAMBARAM TALUK, KANCHEEPURAM DISTRICT																	
PROPOSED ROAD BOUNDARY LINE	MD MAIN DOOR 1.05 X 2.10 D1 DOOR 0.90 X 2.10 D2 DOOR 0.75 X 2.10 FD FRENCH DOOR 2.10 X 2.10 W WINDOW 1.80 X 1.20 W1 WINDOW 1.20 X 1.20 W2 WINDOW 0.90 X 1.20 KW KITCHEN WINDOW 0.90 X 1.20 V VENTILATOR 0.60 X 0.60	<table border="1"> <thead> <tr> <th>AREA STATEMENT</th> <th>LAND EXTENT</th> </tr> </thead> <tbody> <tr> <td>AS PER PATTA 1530.00 SQ. M</td> <td>AS PER DOCUMENT 1537.53 SQ. M</td> </tr> <tr> <td>AS ON SITE 1504.08 SQ. M</td> <td></td> </tr> </tbody> </table>	AREA STATEMENT	LAND EXTENT	AS PER PATTA 1530.00 SQ. M	AS PER DOCUMENT 1537.53 SQ. M	AS ON SITE 1504.08 SQ. M												
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SPECIFICATION	<table border="1"> <thead> <tr> <th>Floor name</th> <th>FSI area</th> <th>5% OF BALCONY</th> </tr> </thead> <tbody> <tr> <td>First Floor</td> <td>602.89</td> <td>28.11</td> </tr> <tr> <td>Second Floor</td> <td>602.89</td> <td>28.11</td> </tr> <tr> <td>Third Floor</td> <td>602.89</td> <td>28.11</td> </tr> <tr> <td>Fourth Floor</td> <td>444.42</td> <td>17.66</td> </tr> <tr> <td>Total Floor</td> <td>2253.09</td> <td>101.99</td> </tr> </tbody> </table>	Floor name	FSI area	5% OF BALCONY	First Floor	602.89	28.11	Second Floor	602.89	28.11	Third Floor	602.89	28.11	Fourth Floor	444.42	17.66	Total Floor	2253.09	101.99
Floor name	FSI area	5% OF BALCONY																	
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Fourth Floor	444.42	17.66																	
Total Floor	2253.09	101.99																	
ALL DIMENSIONS ARE IN METER	<p>FSI = $\frac{2253.09}{1504.08} = 1.497$</p> <p>CAR PARKING REQUIRED - 8 NOS CAR PARKING PROVIDED - 28 NOS TWO WHEELER REQUIRED - 28 NOS TWO WHEELER PROVIDED - 38 NOS</p>	OWNER SIGNATURE																	
DATE : 04. 11. 16	SCALE : 1 : 100	ARCHITECT / LICENSED SURVEYOR																	

M. PRADEEP REGISTERED ARCHITECT

REG. NO. CP 12014/12
 COUNCIL OF ARCHITECTS
 532, Kamaraj Road,
 2nd Floor, Nungambur,
 Chennai - 50

