

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUND FLOOR & FIRST FLOOR SCHOOL BUILDING IN S NOS. 78, 79, 201 & 202, OF KOVILANGUDI VILLAGE, ST. THOMAS MOUNT PANCHAYAT UNION, TAMBARAM TOWN, CHENNAI DISTRICT.

கட்டுமானம்

02.09.2016

SCHEDULE OF JOINERIES

D	DOOR	30' X 70'	08 X 2.10
D1	DOOR	30' X 70'	08 X 2.10
D2	DOOR	28' X 70'	07 X 2.10
W	WINDOW	60' X 40'	1.80 X 1.20
V	VENTILATOR	30' X 40'	09 X 1.20
LD	LIFT DOOR	30' X 70'	08 X 2.10
J	JOLLY	60' X 40'	1.80 X 1.20

ALL DIMENSIONS ARE IN METRES
SCALE 1: 100
LEGEND:
BOUNDARY SHOWN IN
PROPOSED SHOWN IN
ROAD SHOWN IN



AREA STATEMENT

EXTENT	SQ.MTS
PLOT AREA (AS PER PATA)	3650.00
PLOT AREA (AS PER DOCUMENT)	3691.67
PLINTH AREA OF GROUND FLOOR	2963.70
PLINTH AREA OF FIRST FLOOR	1144.45
TOTAL AREA	2389.10
F.S.I	0.541
PLOT COVERAGE	32.52%

CAR PARKING DETAILS

No. OF CAR PARKING PROVIDED	4 NOS
No. OF TWO WHEELERS PROVIDED	24 NOS
No. OF CYCLES PROVIDED	270 NOS

OWNER
[Signature]

STRUCTURAL ENGINEER:

O. GUNACHANDRAN
Executive Engineer (Civil) (Water)
Dist. of Tiruvallur, Tamil Nadu
Licensed Surveyor Class-1,
Licence No: 1388
Construction of Chennai
& 15, Azhagan Sar Colony,
Perambalur, Chennai-601 002.
LICENCED SURVEYOR

DESIGN OF SEPTIC TANK WITH TWO UP-FLOW FILTERS

1. NO. of Dwelling = 200
say = 40 units

2. Number of Users = 40 x 4 = 160 persons

3. Number of Inlets assuming a standard of 1 NO dwelling = 40
say = 40 nos

Peak Discharge = 40 nos x 6 litres = 276 LPH

4. Septic Tank
Surface Required = 276 x 6.02 = 1654.0 sq.m
say = 25.4 sq.m

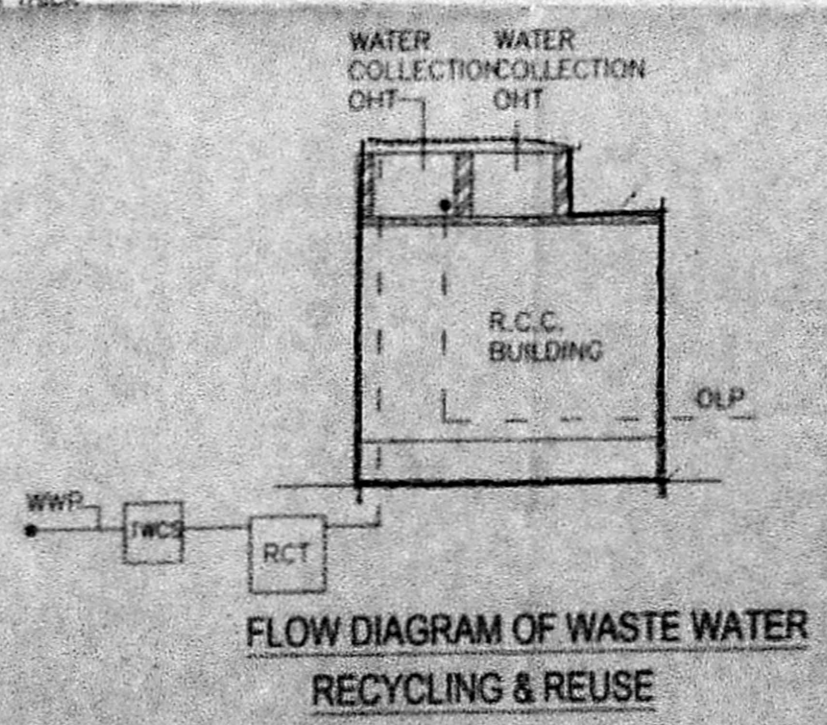
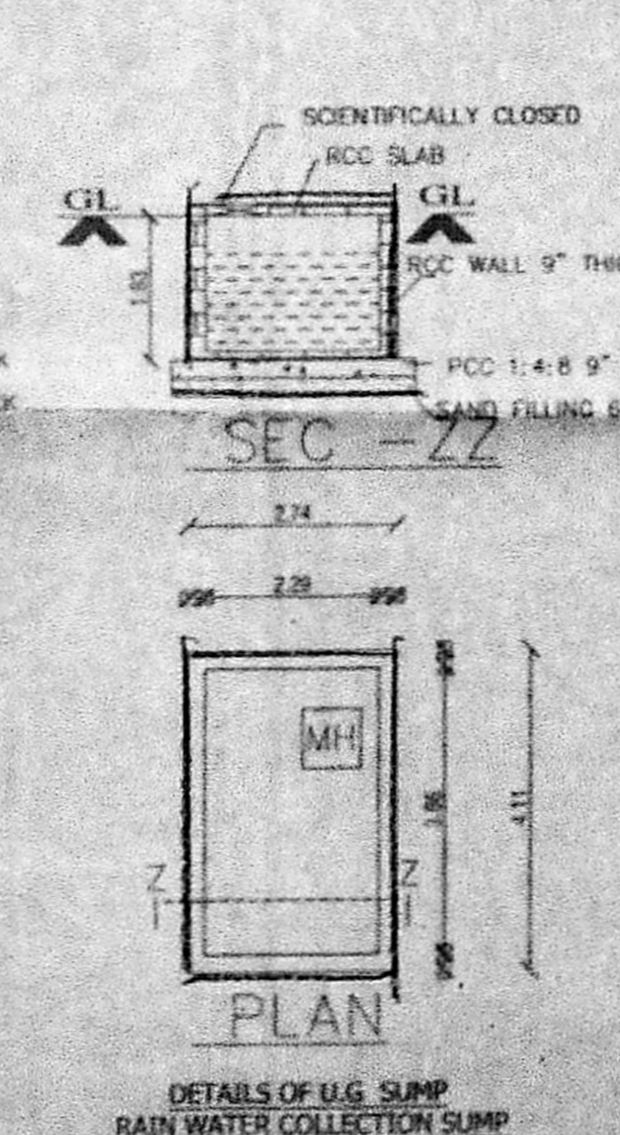
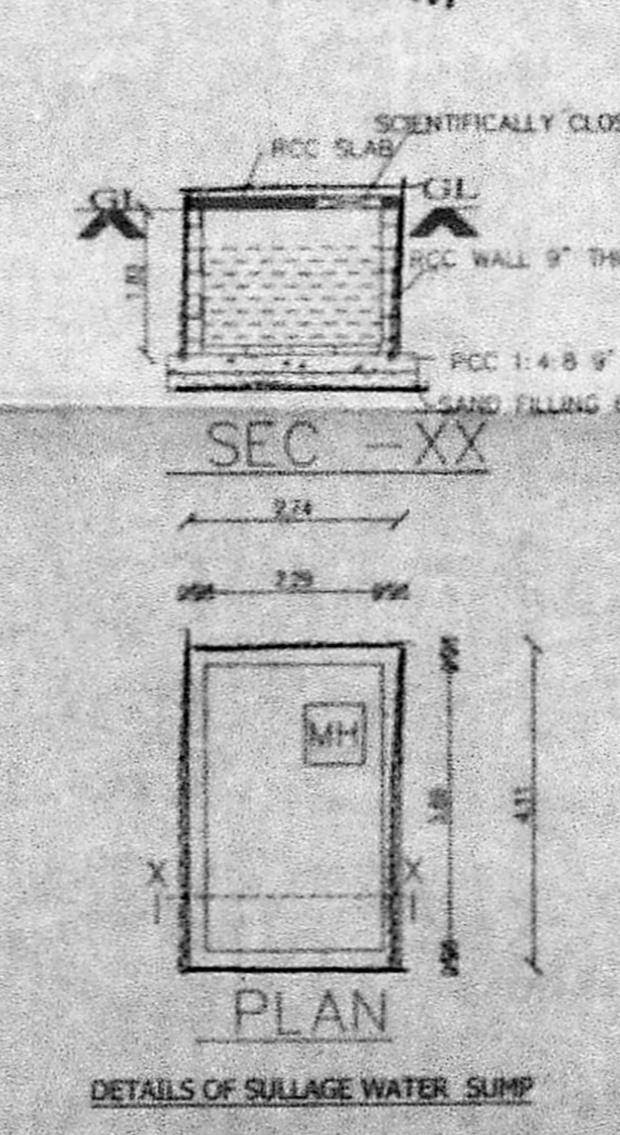
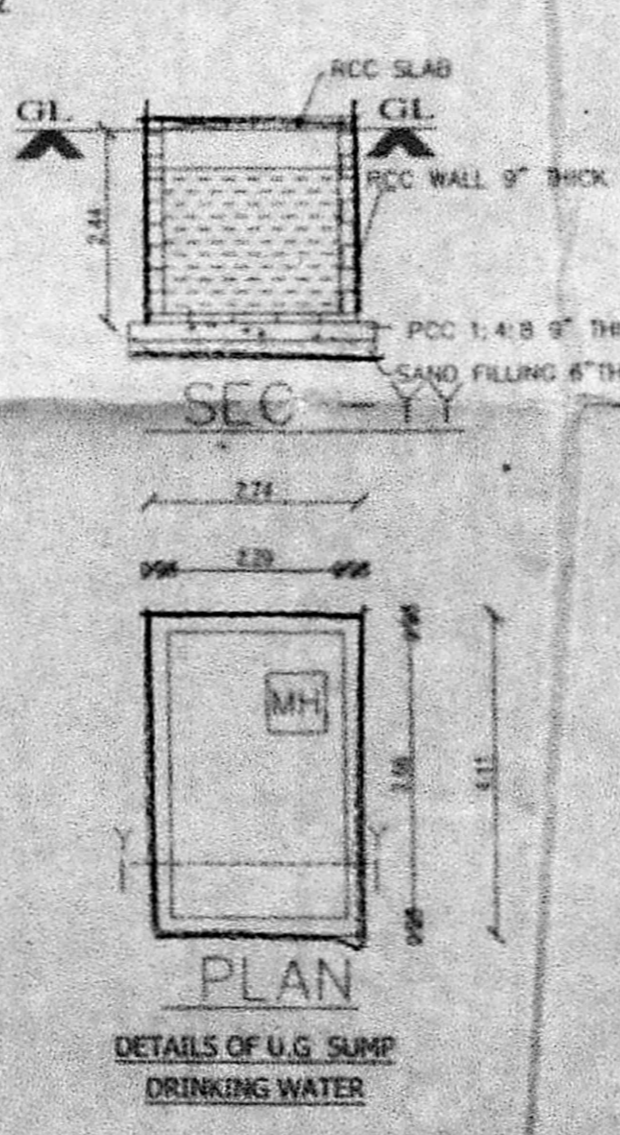
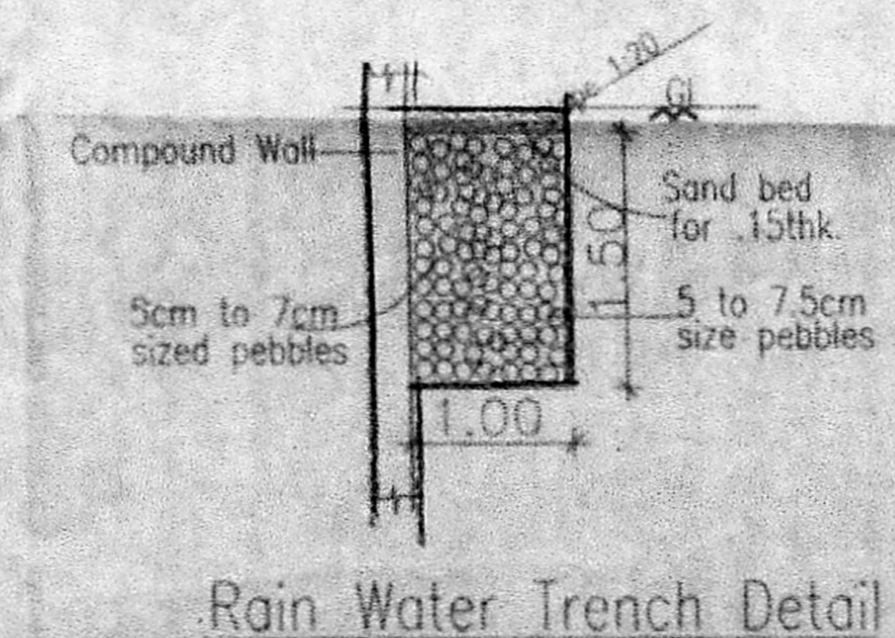
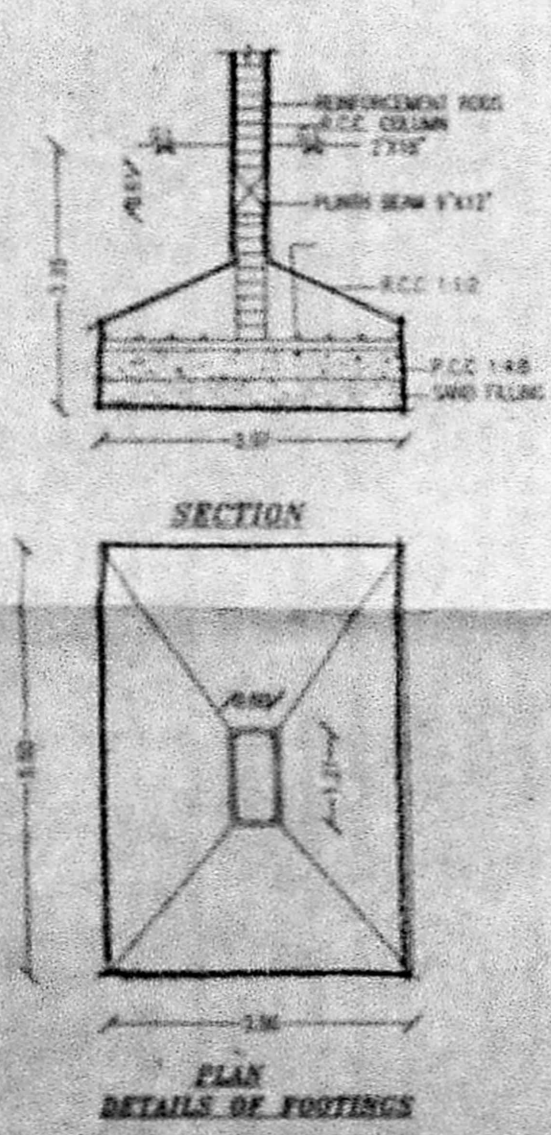
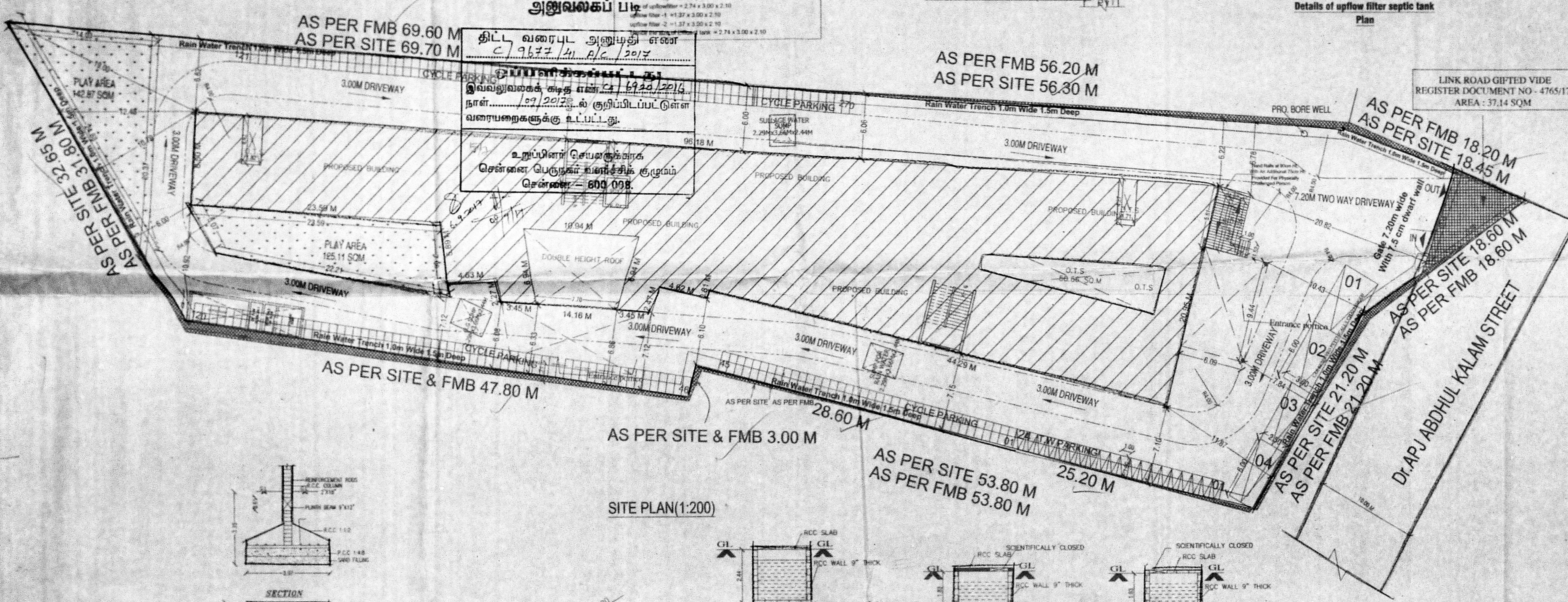
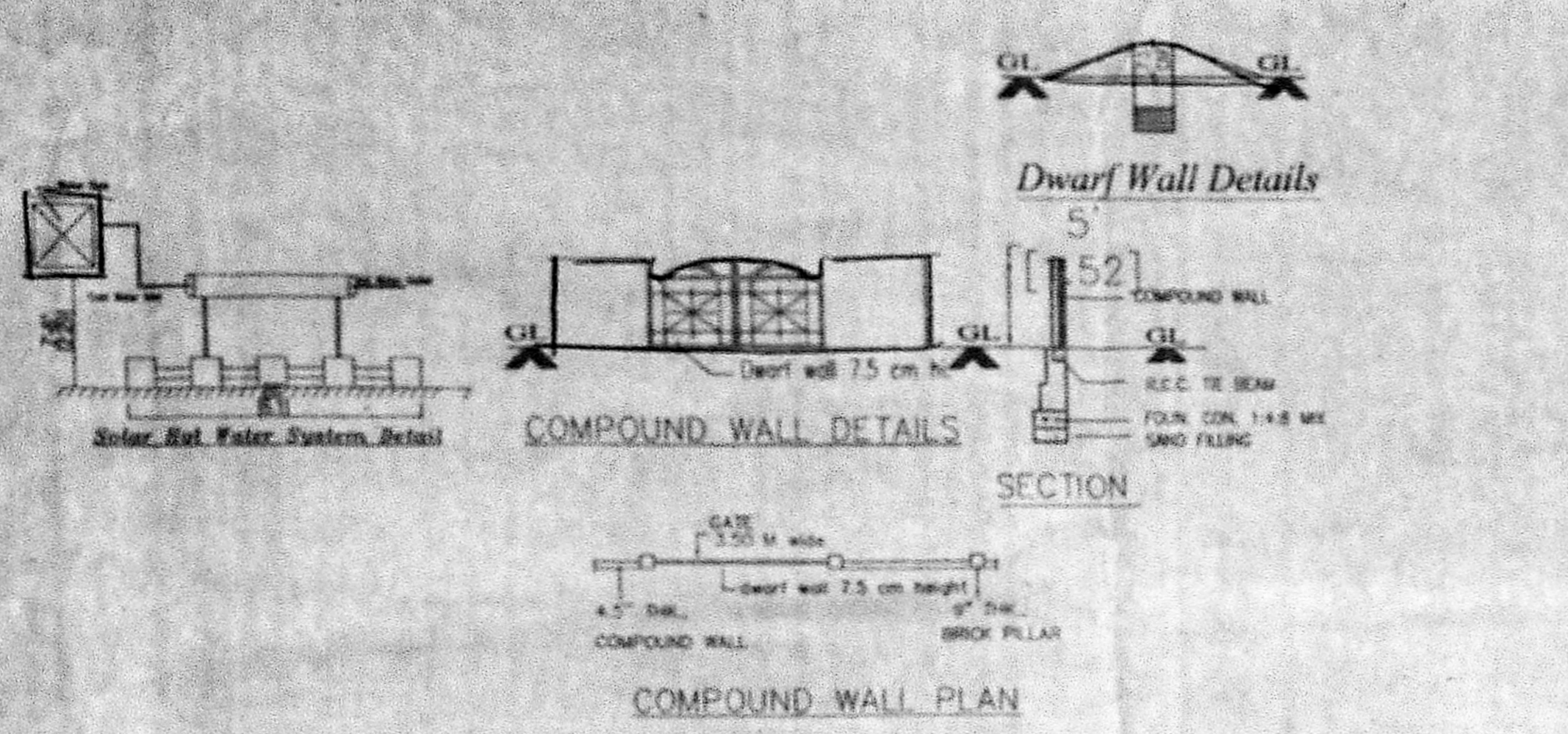
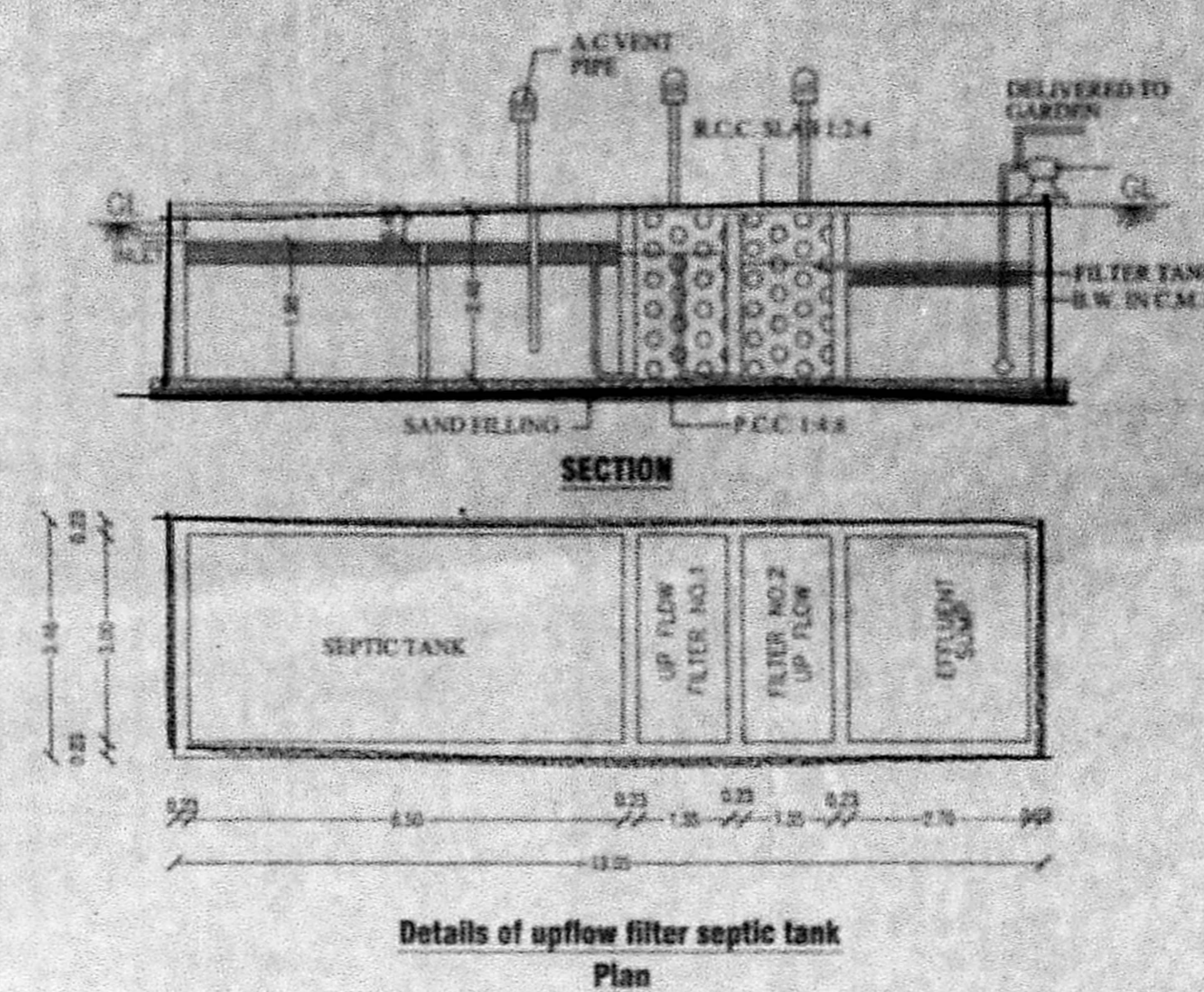
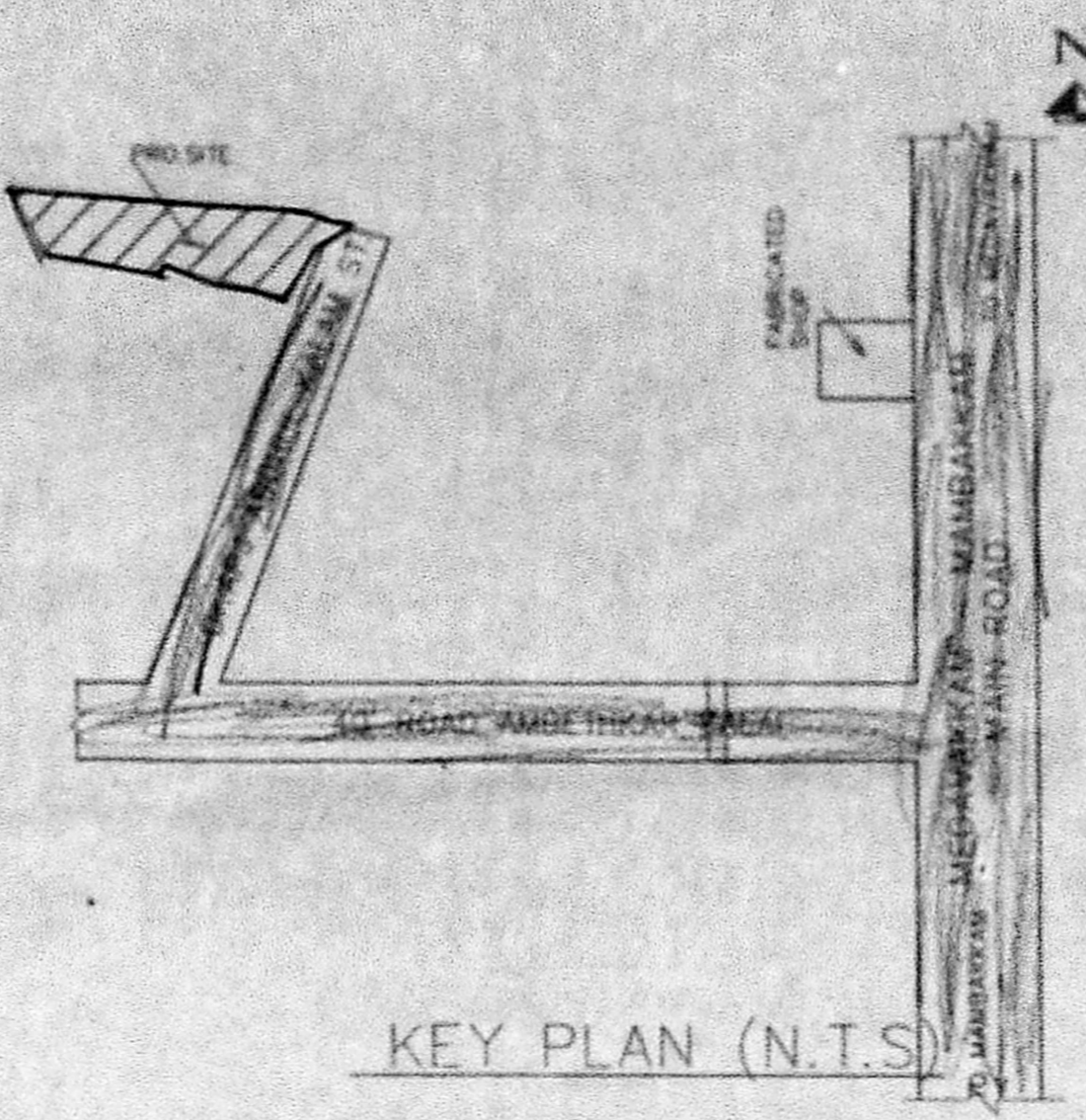
(i) Volume for free board = 25.4 x 0.3 = 7.62 m³
(ii) Volume for sedimentation = 25.4 x 0.5 = 12.7 m³
(iii) Volume for Digestion = 230 x 0.032 = 7.36 m³
(iv) Volume for sludge storage = 230 x 0.0002 = 0.046 m³
38.30 m³

Assume depth = 1.98 m
Area required = 38.30 / 1.98 = 19.35 sq.m
say = 20.00 sq.m

Therefore size of the septic Tank = 6.90 x 3.00 x 2.40 = 49.32 m³
Required = 38.30 m³ provided = 49.32 m³

5. Upflow Filter
Peak Discharge for 40 Units = 276 LPH
Volume = 276 x 0.045 = 12.42 m³
Depth = 2.45 x 0.30 = 0.735 m
Area required = 12.42 / 0.735 = 16.89 sq.m
say = 17.00 sq.m

of upflow filter = 2.74 x 3.00 x 2.10
of upflow filter = 1.37 x 3.00 x 2.10
of upflow filter = 1.37 x 3.00 x 2.10
of upflow filter = 2.74 x 3.00 x 2.10



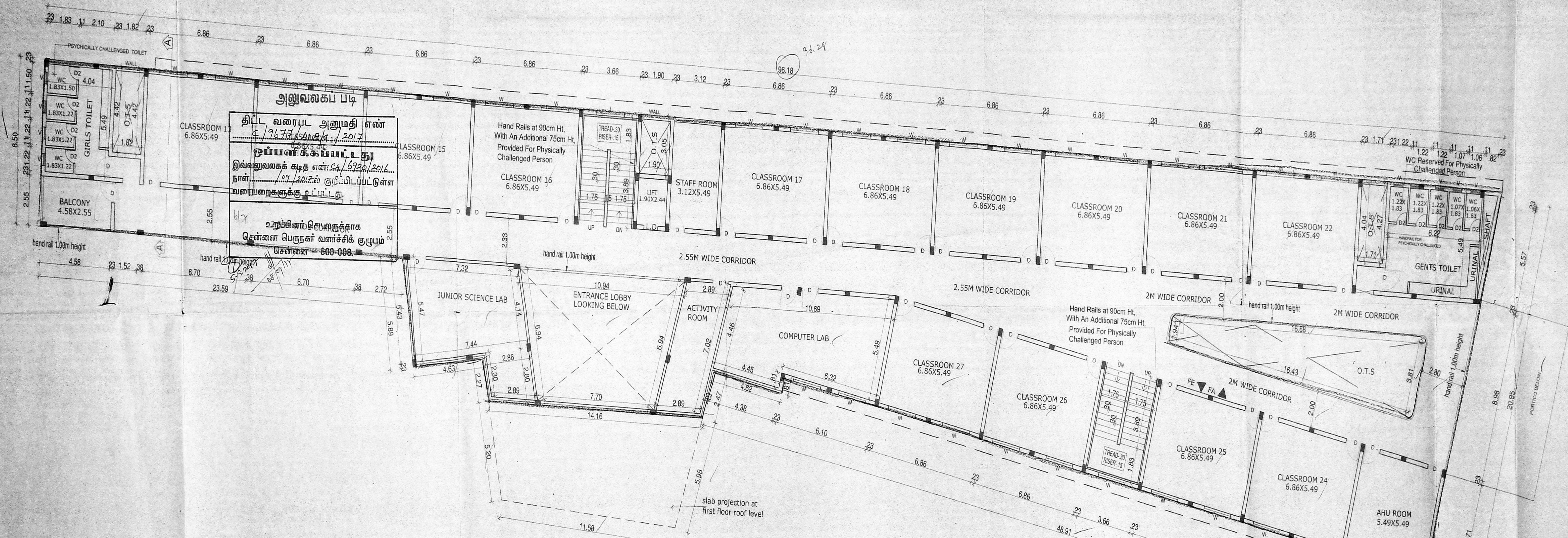
பெ. பெ. வ. கு. (பி) எண். 19677/2017
 19. ஏப். 2017
 உ. தலையாளர்.
 க. ந. தயார்.
 த. இ. 19/11/17
 உ. த. இ. து. தி. அ.

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUND FLOOR & FIRST FLOOR SCHOOL BUILDING IN S NOS:78, 79/2C1 & 79/2C2, OF KOVILANCHERI VILLAGE, ST. THOMAS MOUNT PANCHAYAT UNION, TAMBARAM TALUK, KANCHEEPURAM DISTRICT.

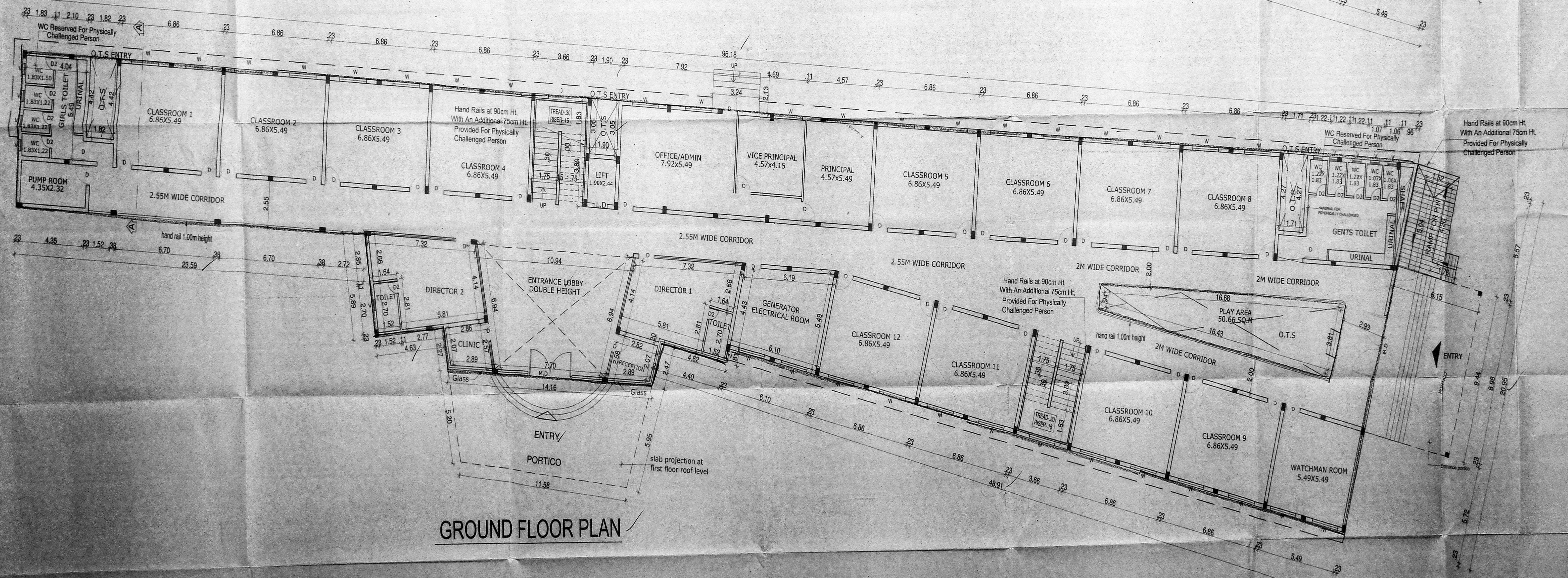
SCHEDULE OF JOINERIES

D	DOOR	3'6" X 7'0"	1.07 X 2.13
D1	DOOR	3'0" X 7'0"	0.91 X 2.13
D2	DOOR	2'6" X 7'0"	0.76 X 2.13
W	WINDOW	6'0" X 4'0"	1.83 X 1.22
V	VENTILATOR	2'0" X 4'0"	0.60 X 1.22
LD	LIFT DOOR	3'0" X 7'0"	0.91 X 2.13
J	JOLLY	6'0" X 4'0"	1.83 X 1.22

ALL DIMENSIONS ARE IN METRES
 SCALE 1: 100
 LEGEND:
 BOUNDARY SHOWN IN [Symbol]
 PROPOSED SHOWN IN [Symbol]
 ROAD SHOWN IN [Symbol]



FIRST FLOOR PLAN



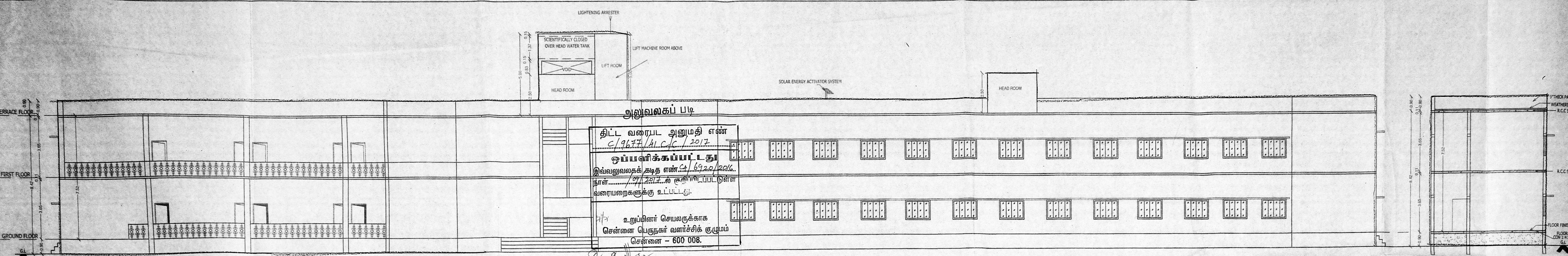
GROUND FLOOR PLAN

OWNER

STRUCTURAL ENGINEER:

D. GUNACHANDRAN
 Executive Engineer (Civil) Rank
 Dept. of Town and Country Planning
 Licensed Surveyor of Class I
 License No: 1985
 Corporation of Chennai
 #18, Ramani Sal Colony,
 Perambalur, Chennai - 601 002.
 Ph: 8444 11211 & 15019 2144

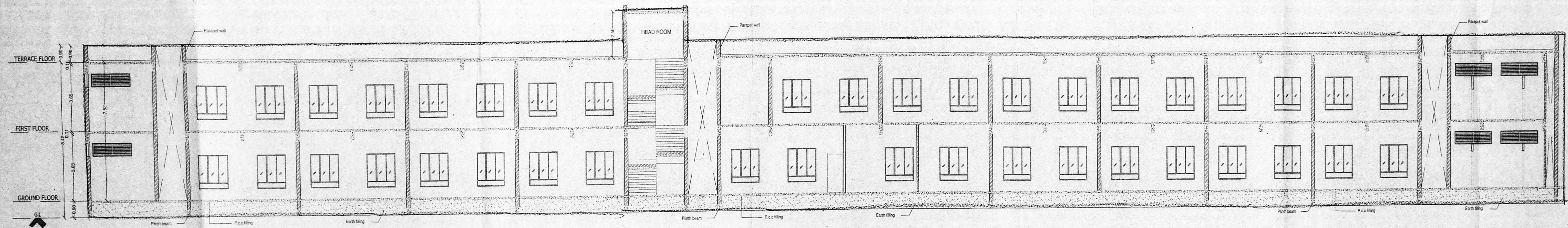
செ. பெ. வ. கு. (பி) எண்
 ந. எண்... 5920/2016
 உதவியாளர்
 கூர்ந்தாய்வு
 தி.உ. 9/11/17
 உ.தி.அ. கு.தி.அ.



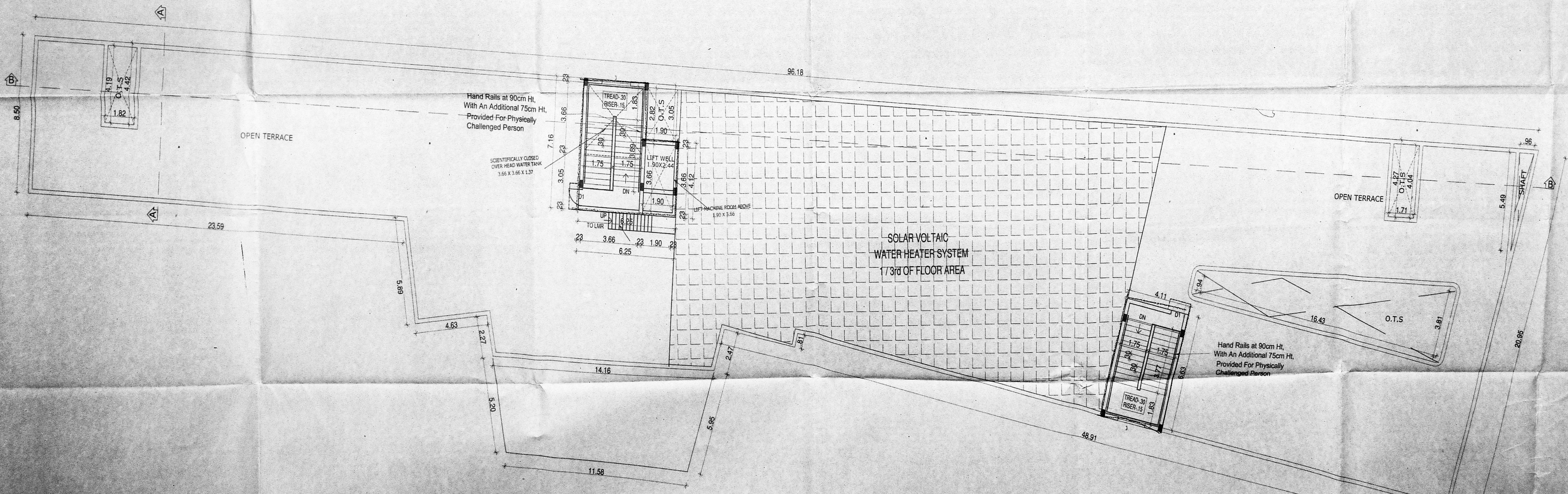
அனுமதிக்கப்பட்டது
 திட்ட வரைபட அனுமதி எண்
 C/19477/M.C.C/2017
 ஒயர்லெசு கல்வி
 இவ்வலுவலகத்துடன் எண் 67226/2016
 நாள் 09/11/2016-ல் குறிப்பிடப்பட்டுள்ள
 வரையறைகளுக்கு உட்பட்டது.
 உறுப்பினர் செயலாக்காக
 சென்னை பெருநகர் வளர்ச்சிக்குழுமம்
 சென்னை - 600 008.

FRONT ELEVATION

SECTION ON 'AA'



SECTION B-B



TERRACE FLOOR PLAN

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUND FLOOR & FIRST FLOOR SCHOOL BUILDING IN S NOS.78, 79/2C1 & 79/2C2 OF KOVILANCHERI VILLAGE, ST. THOMAS MOUNT PANCHAYAT UNION, TAMBARAM TALUK, KANCHEEPURAM DISTRICT.

SCHEDULE OF JOINERIES

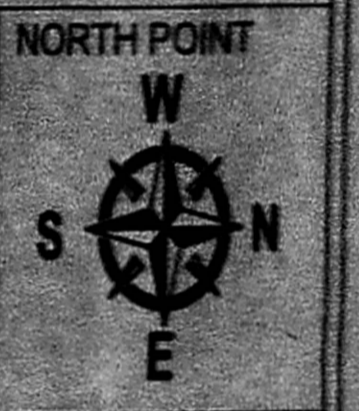
D	DOOR	36" X 70"	1.07 X 2.13
D1	DOOR	30" X 70"	0.91 X 2.13
D2	DOOR	26" X 70"	0.76 X 2.13
W	WINDOW	60" X 40"	1.83 X 1.22
V	VENTILATOR	20" X 40"	0.60 X 1.22
LD	LIFT DOOR	30" X 70"	0.91 X 2.13
J	JOLLY	60" X 40"	1.83 X 1.22

AL DIMENSIONS ARE IN METRES

SCALE 1: 100

LEGEND:

- BOUNDARY SHOWN IN
- PROPOSED SHOWN IN
- ROAD SHOWN IN



OWNER

STRUCTURAL ENGINEER

W. GUNASEKARAN
 Executive Engineer (Civil) (Retired)
 Tamil Nadu Government Engineer
 License No. S 19117/2014
 LICENSURE SURVEYOR