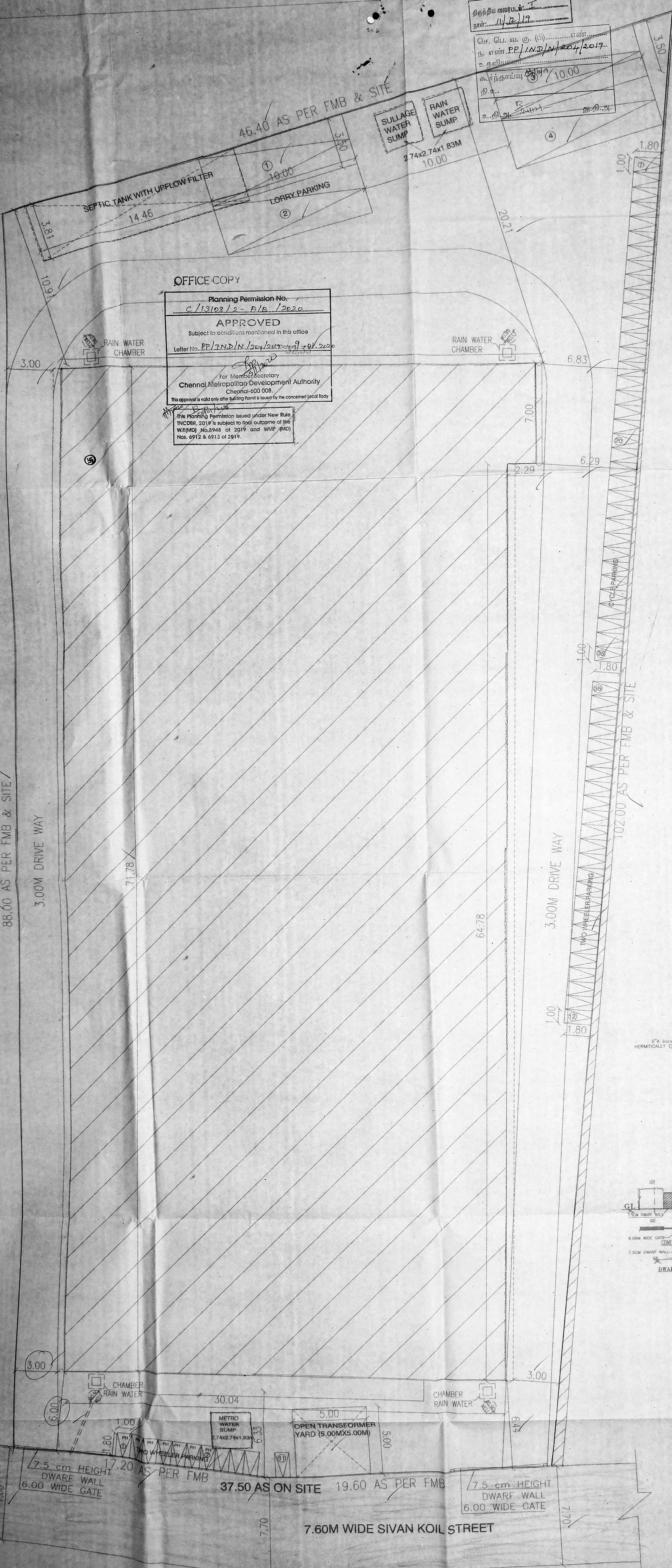
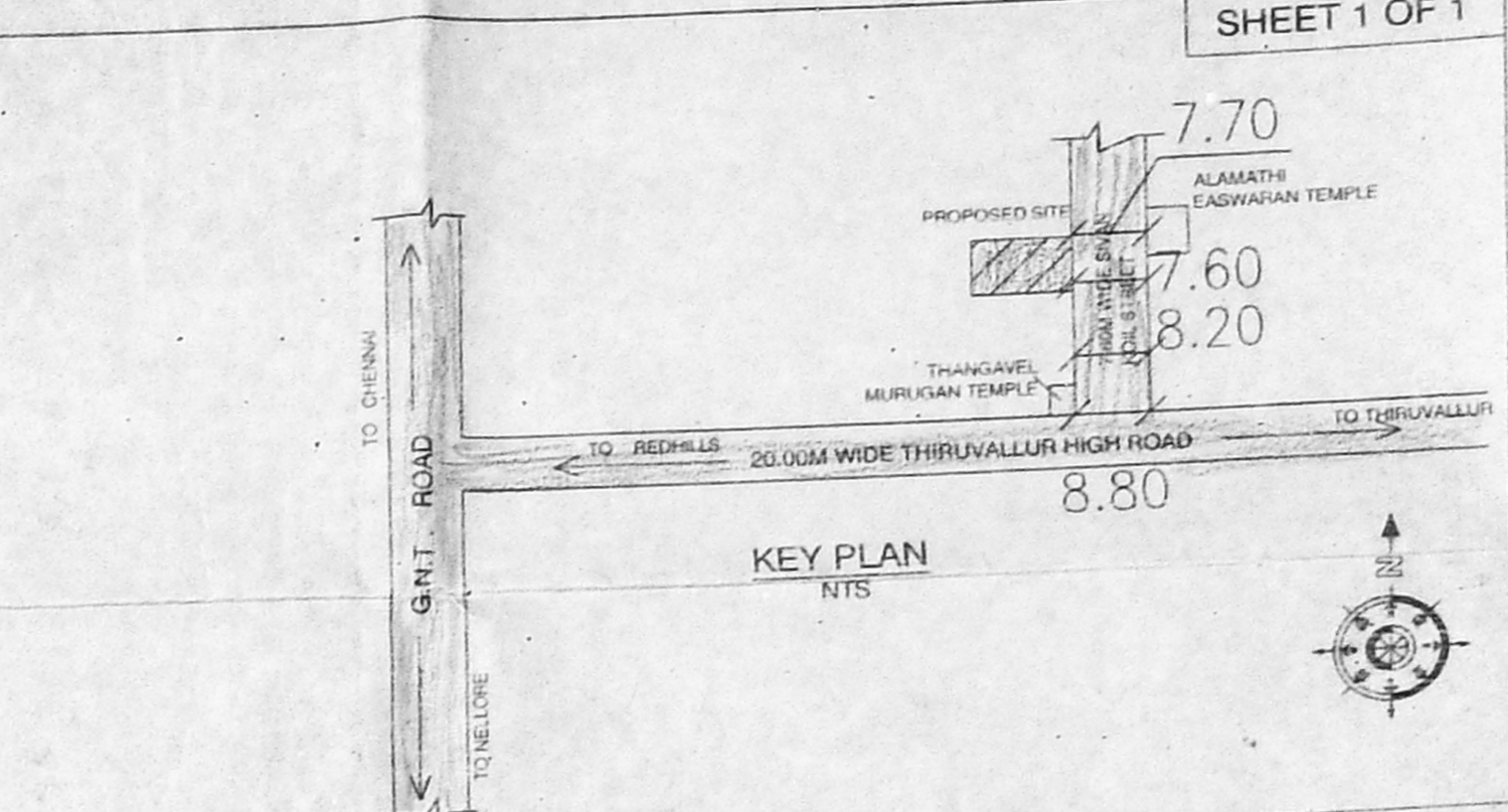
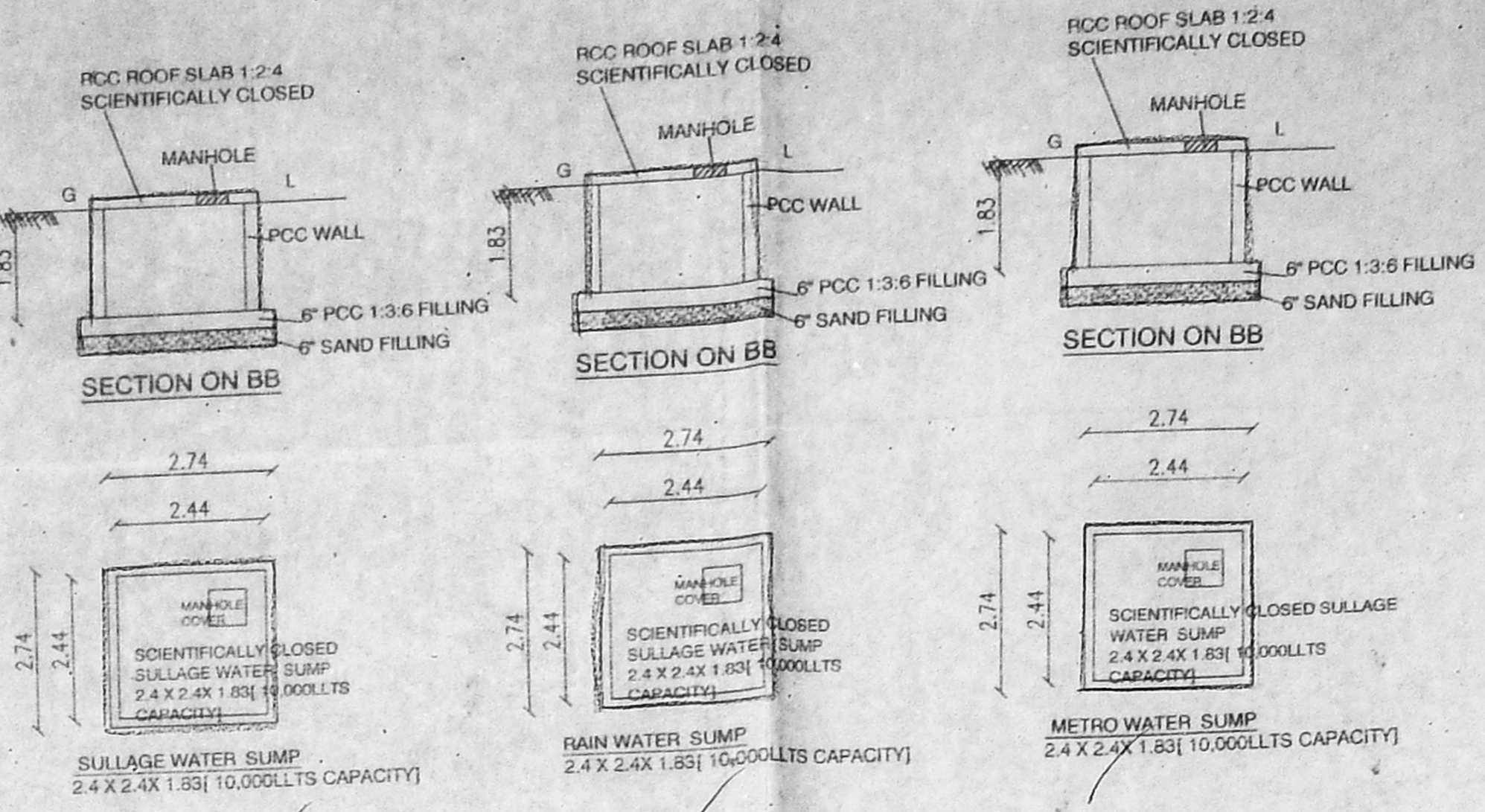


சிறந்திய அலகு: 1
 எண்: 11/2/19
 செ. செ. வ. ச. (பி) எண்: 11/2/19
 பி. எண்: PP/IN/2019/2019
 உ. ந. எண்: 11/2/19
 ச. ந. எண்: 11/2/19
 10.00

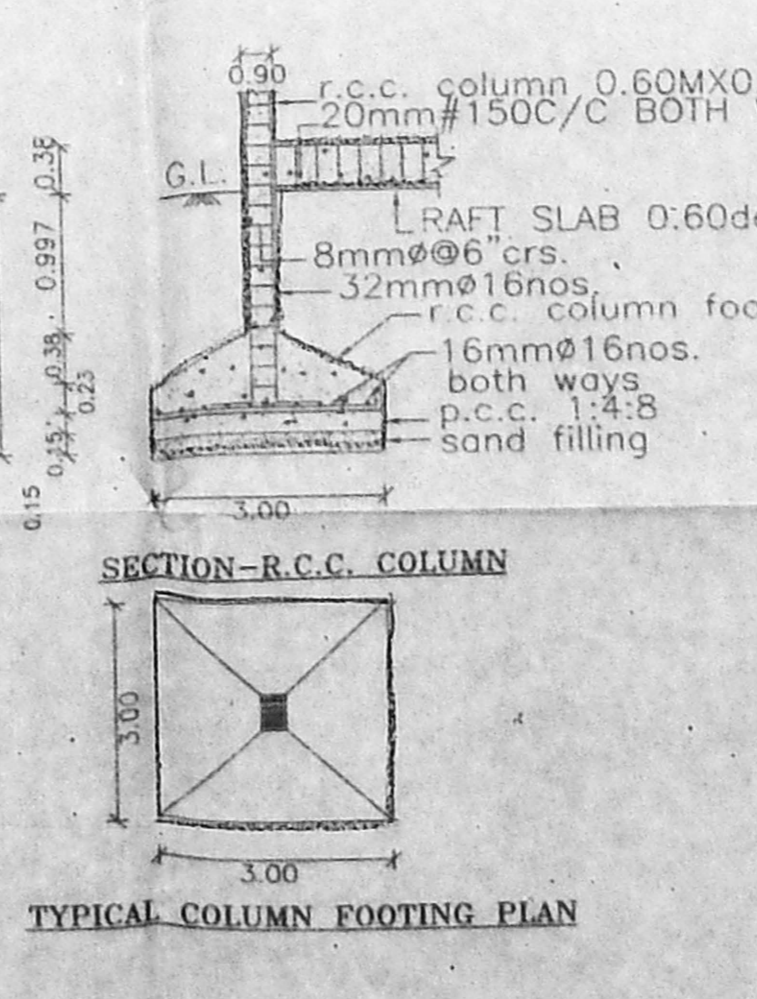
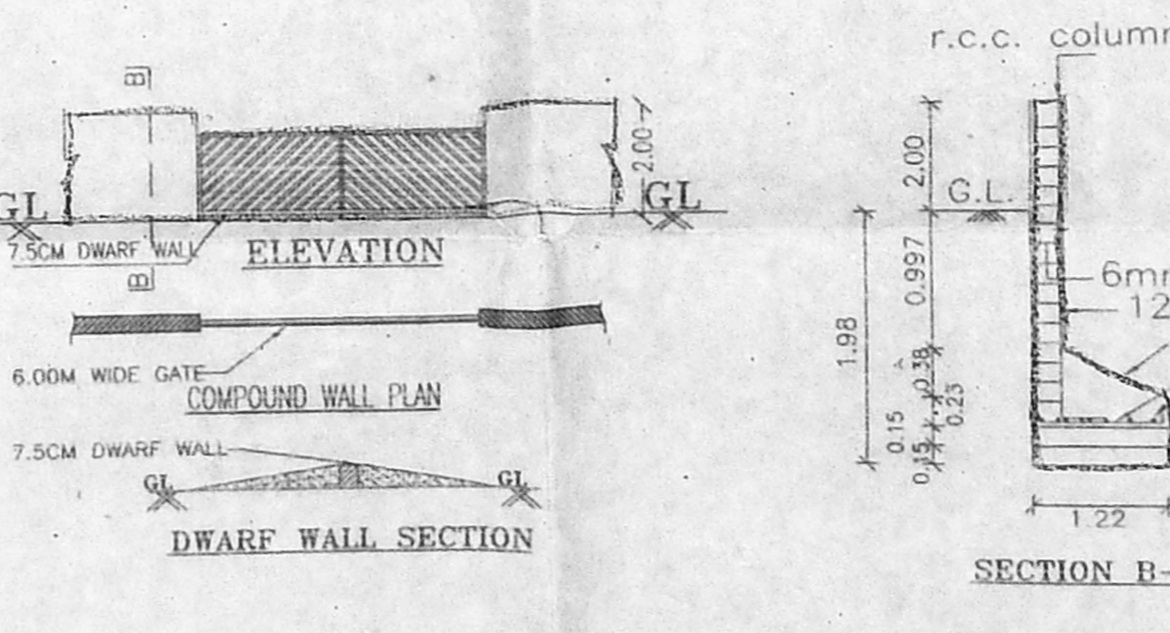
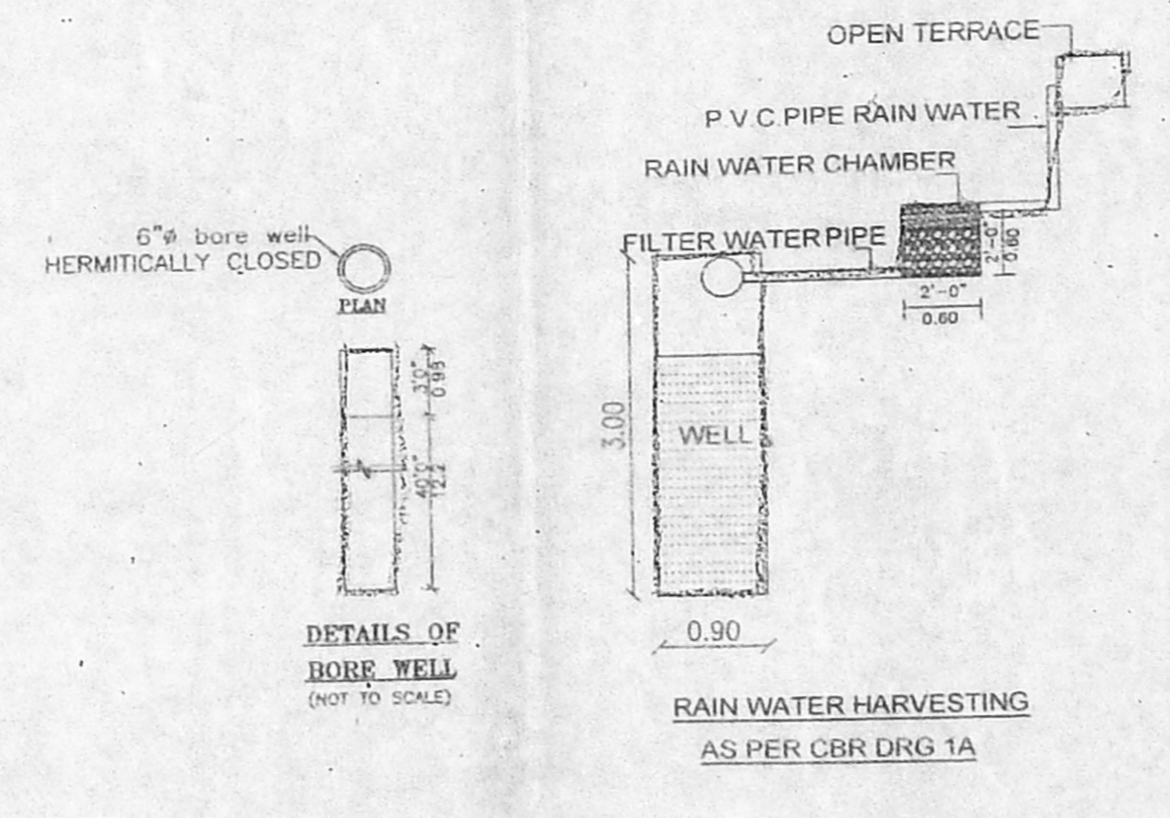
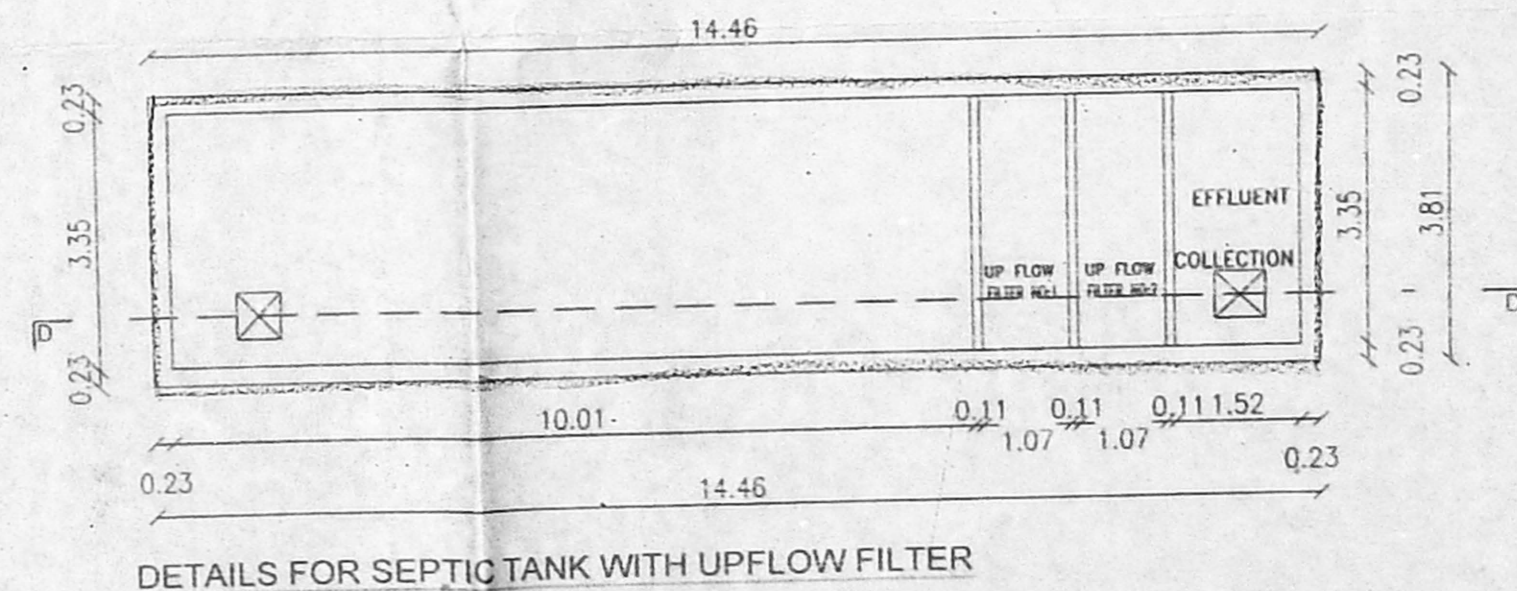
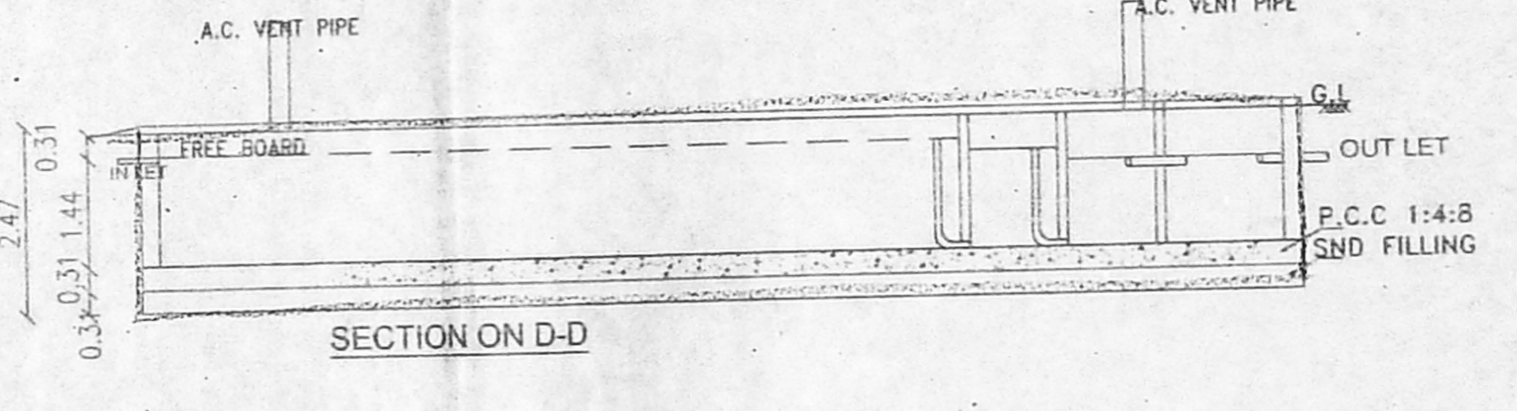


OFFICE COPY
 Planning Permission No. C/13102/2-P/B/2020
APPROVED
 Subject to conditions mentioned in this office
 Letter No. PP/IN/2019/2019
 For Member Secretary
 Chennai Metropolitan Development Authority
 Chennai-600 008
 This approval is valid only after Building Permit is issued by the concerned local body.
 This Planning Permission issued under New Rule (INCORR. 2019) is subject to final outcome of the WFR(M) No. 68948 of 2019 and WFR (M) No. 6912 & 6913 of 2019.



DESIGN OF SEPTIC TANK WITH UPFLOW FILTER

COMMERCIAL AREA	= 2240.58
EQUIVALENT DWELLING UNIT	= 2240.58/50 = 44.81 NOS. SAY 45NOS.
NO OF USERS	= 45 X 5 = 225 Nos.
FIXTURE UNIT PER DWELLING	= 2 X 45 = 90 Nos.
TOTAL NO OF FIXTURE UNIT	= 2 X 45 = 90 Nos.
ASSUME A PEAK FACTOR OF GLPM/FIXTURE UNIT	= 2X225=450LPM
SEPTIC TANK SURFACE AREA REQUIRED	= 450 X 0.92 / 10 = 41.40M ²
VOLUME OF FREE BOARD	= 41.40 X 0.30 = 12.42M ³
VOLUME OF SEDIMENTATION	= 41.40 X 0.30 = 12.42M ³
VOLUME OF DIGESTION	= 225X0.030 = 6.75M ³
VOLUME OF SLUDGE	= 225X365X0.0002 = 16.43M ³
TOTAL VOLUME	= 48.02M ³
DEPTH OF SEPTIC TANK	48.02/41.40 = 1.16
PROVIDING L X B	= 2.5:1
SIZE OF SEPTIC TANK	= 10.01M X 3.35 X 1.44
UPFLOW FILTER CAPACITY PEAK GRAVITY	= 45 X 0.045 = 2.03M ³
ASSUME DEPTH	= 1.90/0.80 = 2.48M
HENCE AREA OF FINAL EFFLUENT SUMP	= 3.35X1.07X1.30M
SIZE OF UPFLOW FILTER-1	= 3.35X1.07X1.30M
SIZE OF UPFLOW FILTER-2	= 3.35X1.07X1.30M



AREA STATEMENT

PLOT EXTENT(DOC)	3950.00 SQ.M
PLOT EXTENT(PATTA)	3950.00 SQ.M
PLOT EXTENT(LEAST)	3950.00 SQ.M

FLOOR	FLOOR AREA F.S.I
GROUND FLOOR	2240.58 SQ.M

F.S.I = 2240.58 / 3950.00 = 0.567

PARKING PROVIDED

- TWO WHEELER PARKING = 35 NOS.
- CYCLE PARKING = 35 NOS.
- LORRY PARKING = 4NOS.

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUND FLOOR, (GALVANIZING SHEET ROOF) & PARTLY TERRACE INDUSTRIAL BUILDING FOR GROUNDUT DECORTICATING [DRY] UNIT WITH INSTALLATION OF 30.0 H.P. WITH 20 NOS OF WORKERS AT SIVAN KOIL STREET, IN S.NO: 91/2A1 OF ALAMATHI VILLAGE, PONNERI TALUK, THIRUVALLUR DISTRICT., SHOLAVARAM PANCHAYAT UNION.

SCHEDULE OF JOINERY

COLOUR INDEX:-		
PROPOSED	D DOOR	= 0.90X2.13
	D1 DOOR	= 0.75X2.13
	W WINDOW	= 1.50X1.20
ROAD	V VENTILATOR	= 2.00X0.60
BOUNDARY	V1 DOOR	= 0.90X0.60
	R SHUTTER	= 3.05X3.35
	RS SHUTTER	= 4.26X3.35

SCALE : 1:100

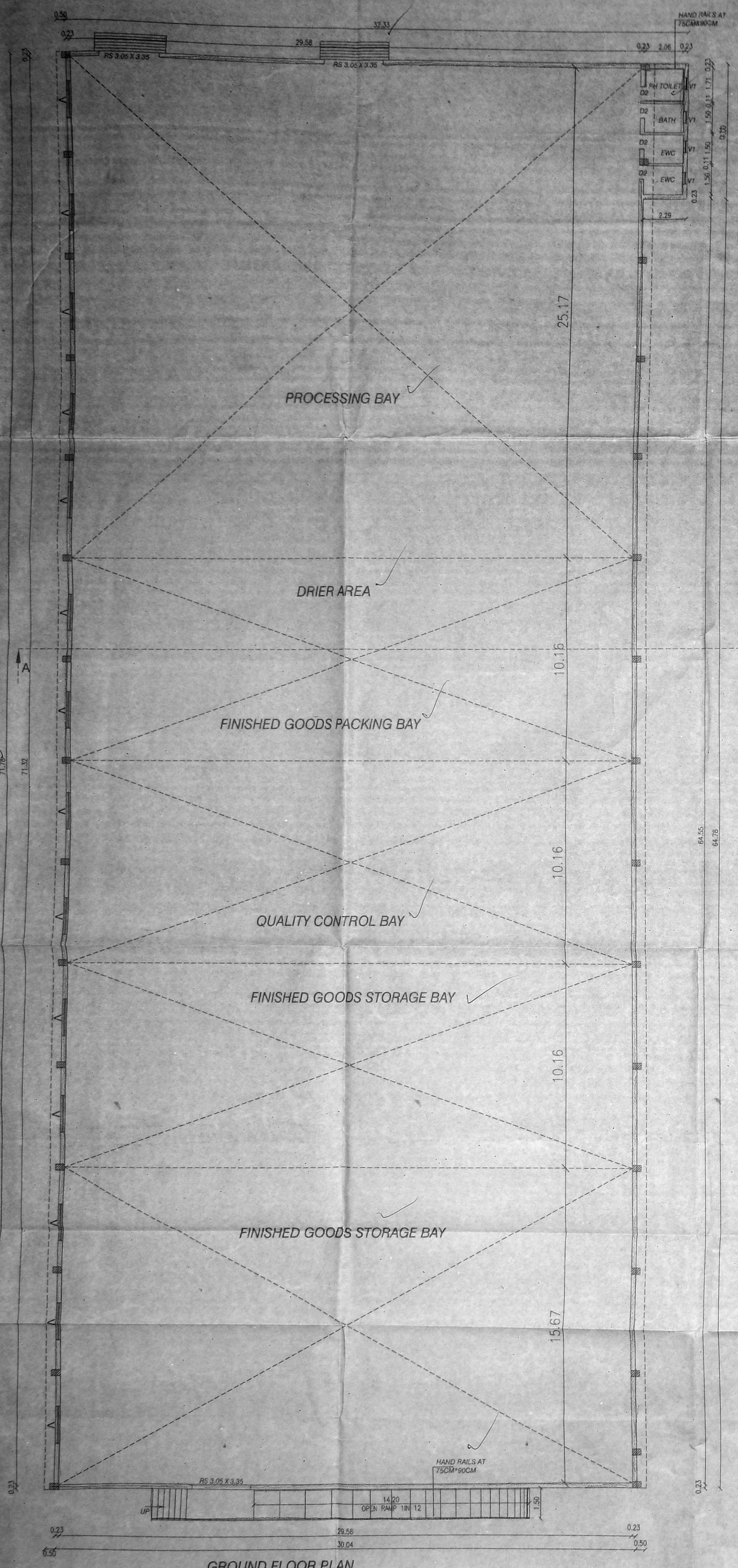
REGISTERED ARCHITECT
 REGISTERED ENGINEER

REGISTERED STRUCTURAL ENGINEER

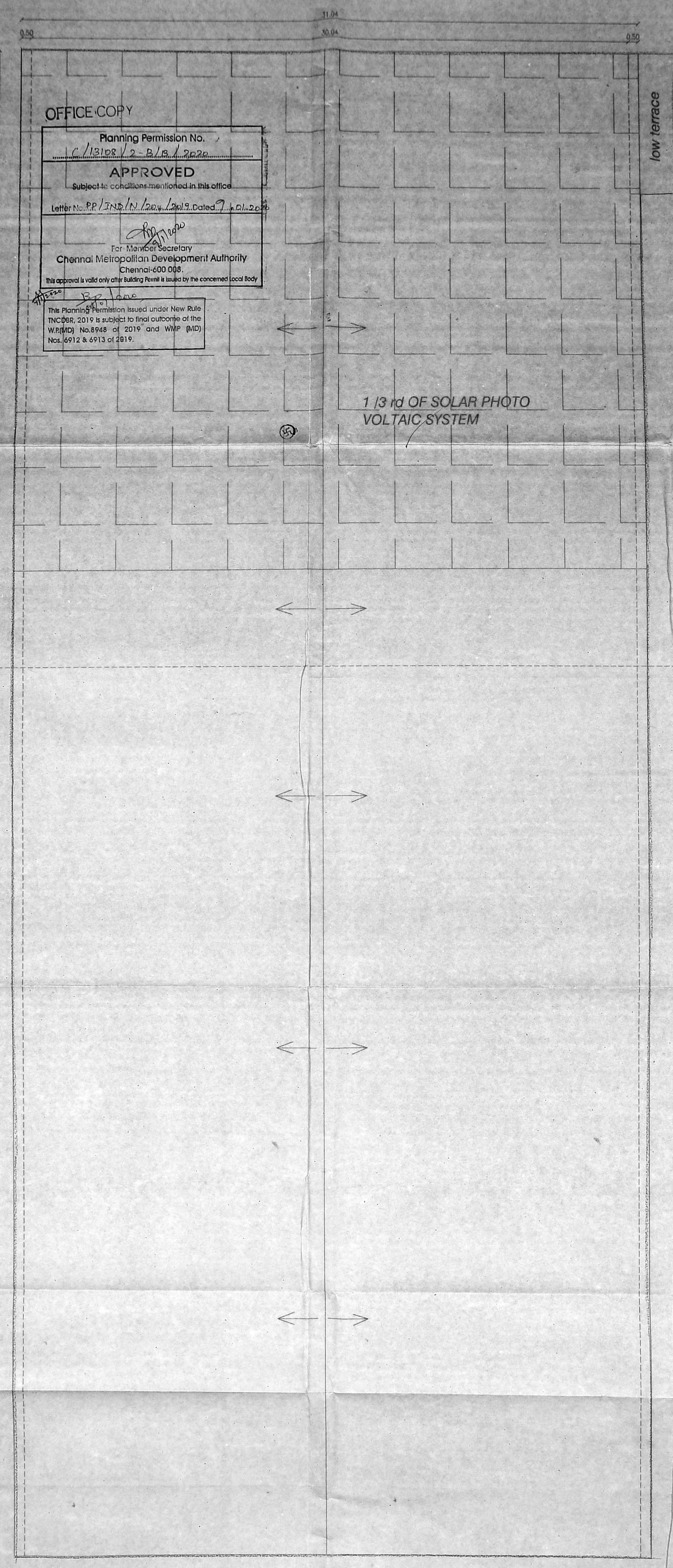
OWNERS SIGNATURE

SITE PLAN

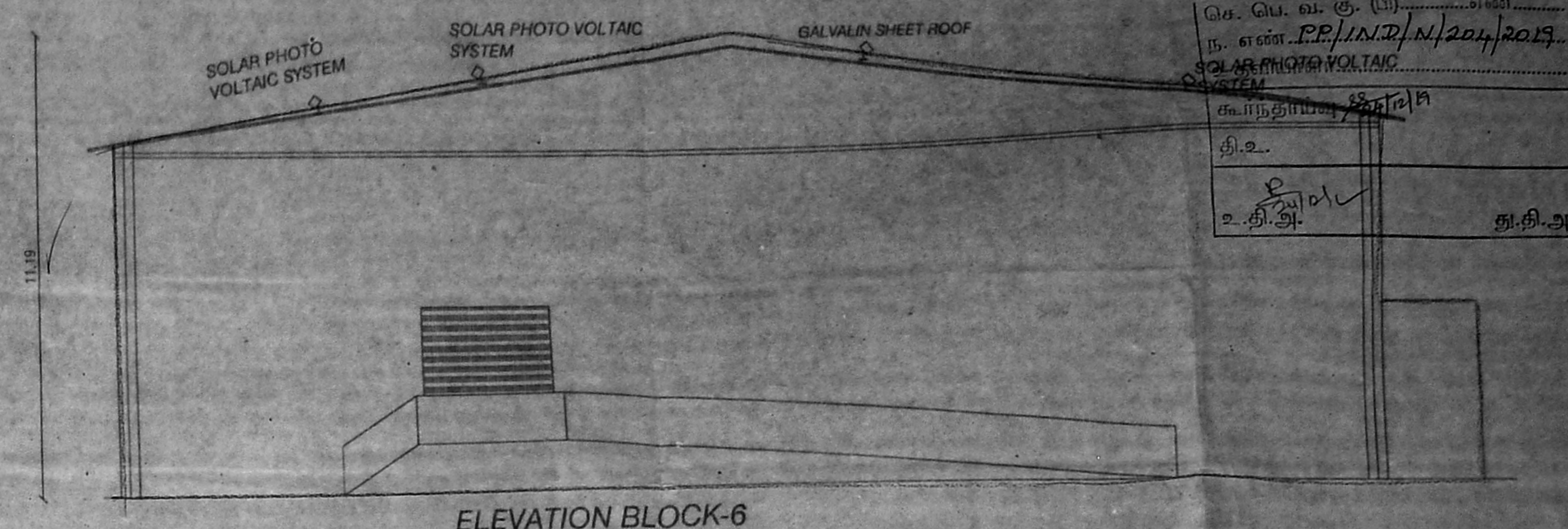
செய்தியை உறுதி செய்து
 திகதி: 11.12.19
 சி. கு. வி. கு. (3)
 இ. எண். EP/187/1/204/2020
 சி. கு. வி. கு. தி. அ. தி.
 சி. கு. வி. கு. தி. அ. தி.
 சி. கு. வி. கு. தி. அ. தி.



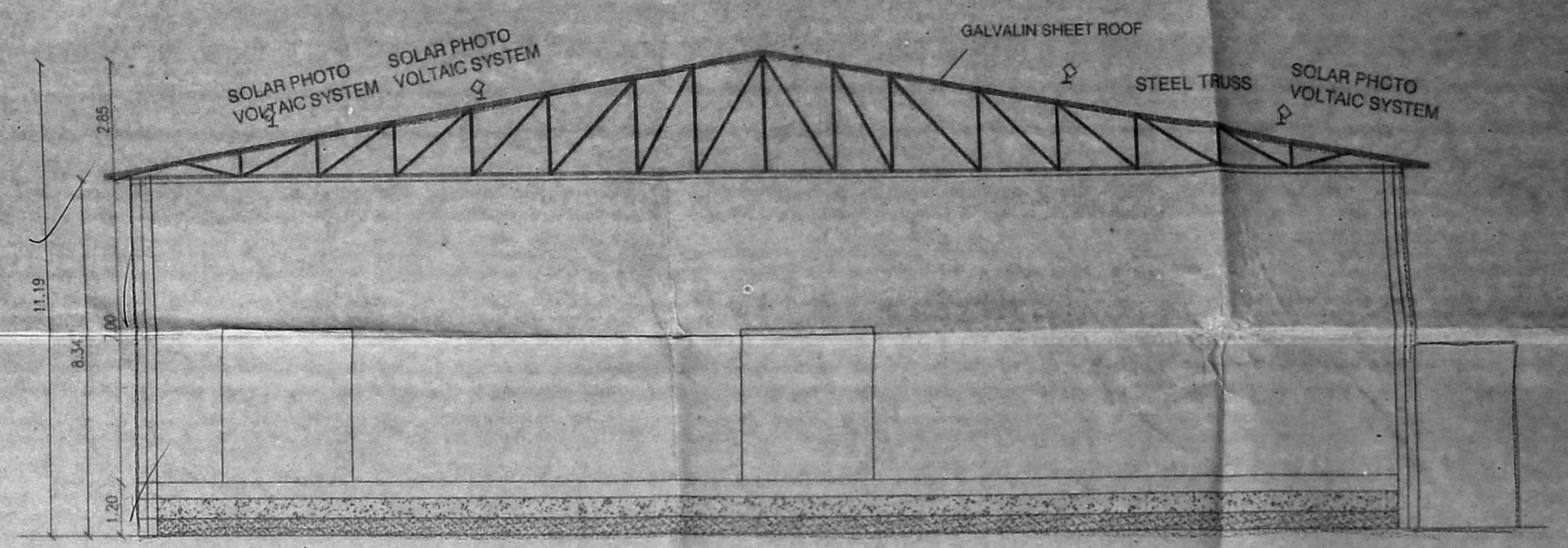
GROUND FLOOR PLAN



ROOF PLAN



ELEVATION BLOCK-6



SECTION ON EE BLOCK-6

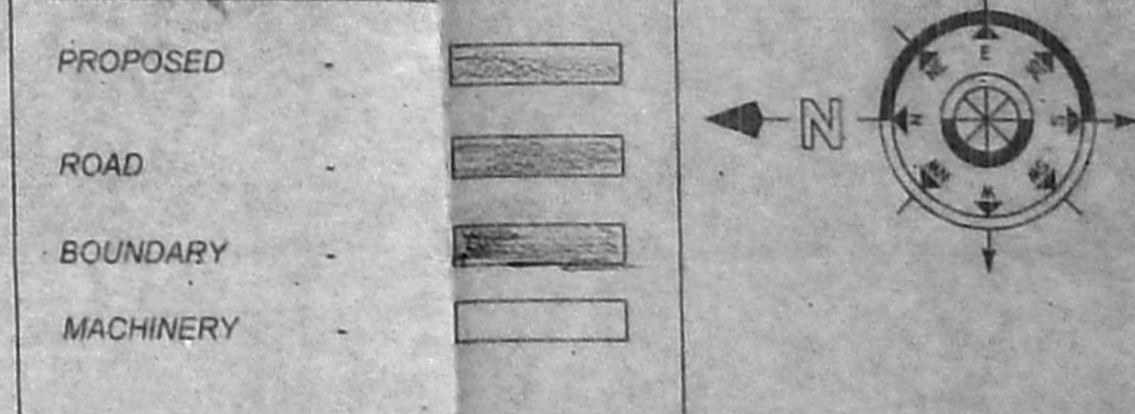
H.P. DETAILS:-

S.NO.	DESCRIPTION	HP
1.0	DECORTICATOR 1 No X 9.0 H.P. Each	9.0
2.0	ELEVATOR	2.0
3.0	SHAKER	5.0
4.0	SIZE GRADING	3.0
5.0	BORE WELL	2.0
6.0	YARD LIGHTING	9.0
TOTAL		30.0

NO OF EMPLOYEES : 20 NOS

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUND FLOOR, (GALVANIZING SHEET ROOF) & PARTLY TERRACE INDUSTRIAL BUILDING ROOF FOR GROUNDNUT DECORTICATING (DRY) UNIT WITH INSTALLATION OF 30.0 H.P. WITH 20 NOS OF WORKERS AT SIVAN KOIL STREET, IN S.NO: 91/2A1 OF ALAMATHI VILLAGE, PONNERI TALUK, THIRUVALLUR DISTRICT, SHOLAVARAM PANCHAYAT UNION.

COLOUR INDEX:-



SCALE : 1:100

Er. G. JAYASANKAR, B.Tech., M.Sc., (Valuation)
 M.Tech (Struct), A.M.I.E., A.I.V.
 Chartered Engineer & Govt. Regd. Valuer,
 Registered Engineer Grade-II (RE)
 C.M.D.A. Reg. No. RE/GR-8/19/03/031
 Competent Person to Issue Stability Certificate
 for Factory Buildings
 M-38, First Floor, 10th Street, Anna Nagar,
 Chennai - 600 042. Call: 98402 2116.
 E-mail: jayamasankar70@gmail.com

REGISTERED ARCHITECT/
 REGISTERED ENGINEER

Er. S. ARIVALAGAN, M.E. (Struct), M.I.E.
 Registered Structural Engineer Grade-I (SE)
 C.M.D.A. Reg. No. SE/GR-1/18/03/043
 No. 6/1, Ganesh Enclave, 2nd Avenue,
 7th Main Road, Dhandassaram Nagar,
 Velachery, Chennai-600 042. Call: 9447 38887
 E-Mail: arivalagans@gmail.com

REGISTERED STRUCTURAL ENGINEER

OWNER'S SIGNATURE