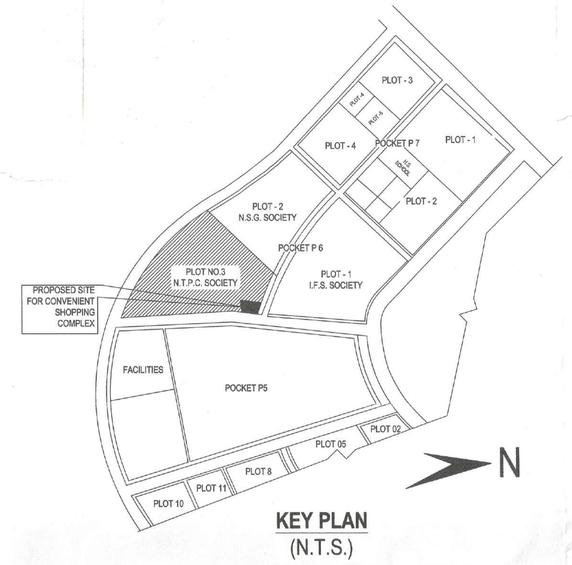
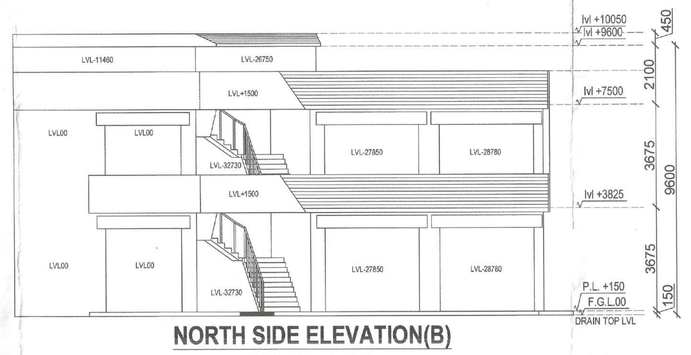
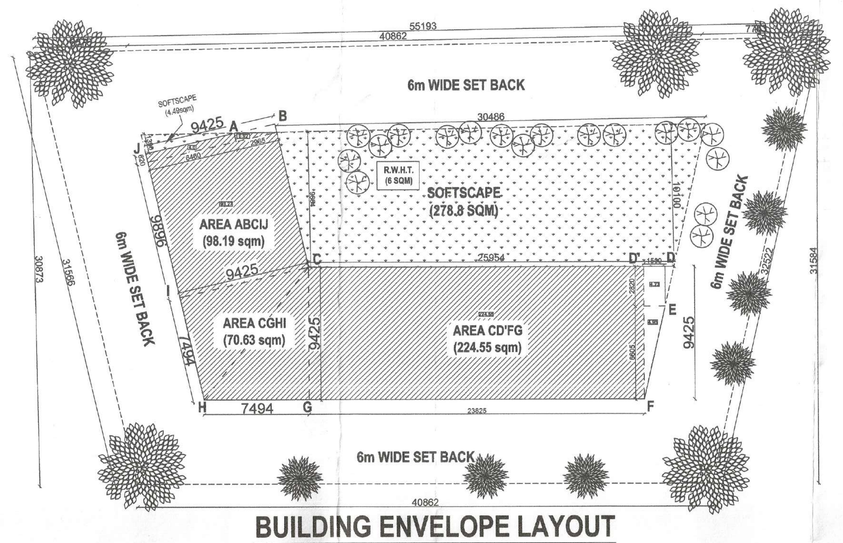


KEY PLAN
(N.T.S.)

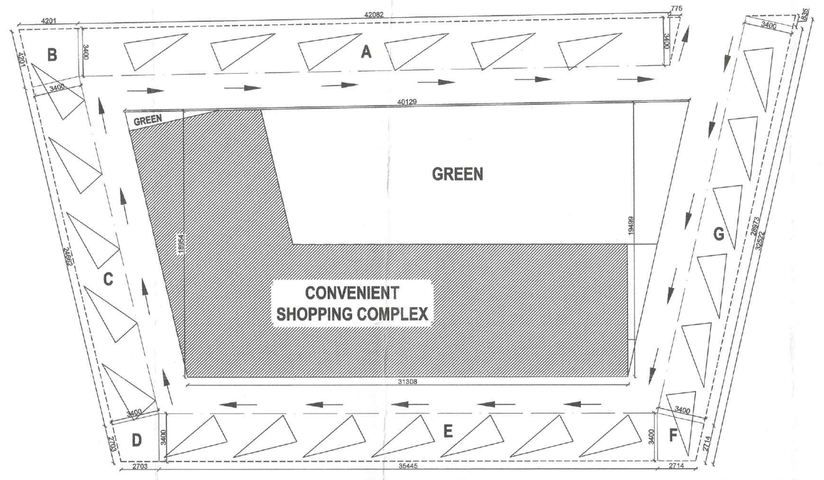
WEST SIDE ELEVATION (A)
SCALE = 1:100



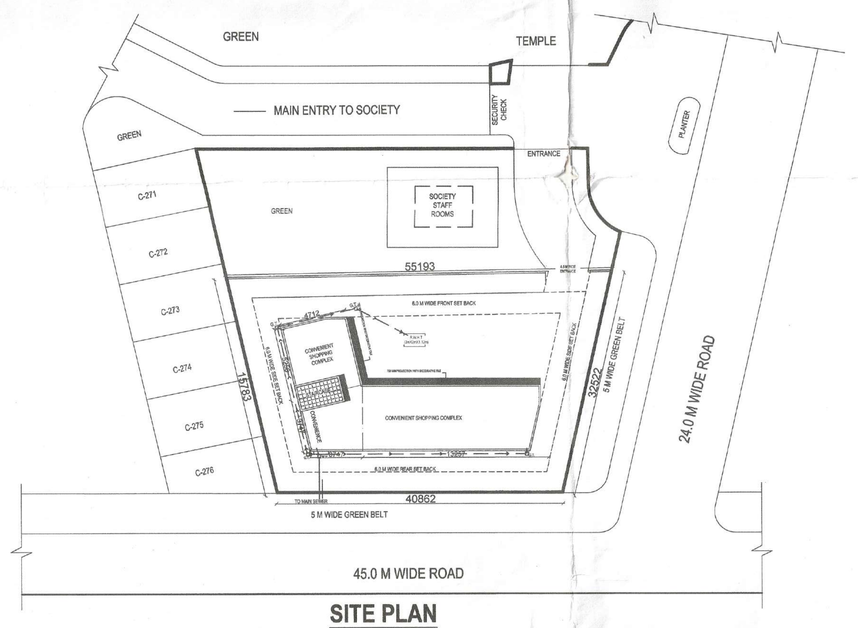
NORTH SIDE ELEVATION(B)
SCALE = 1:100



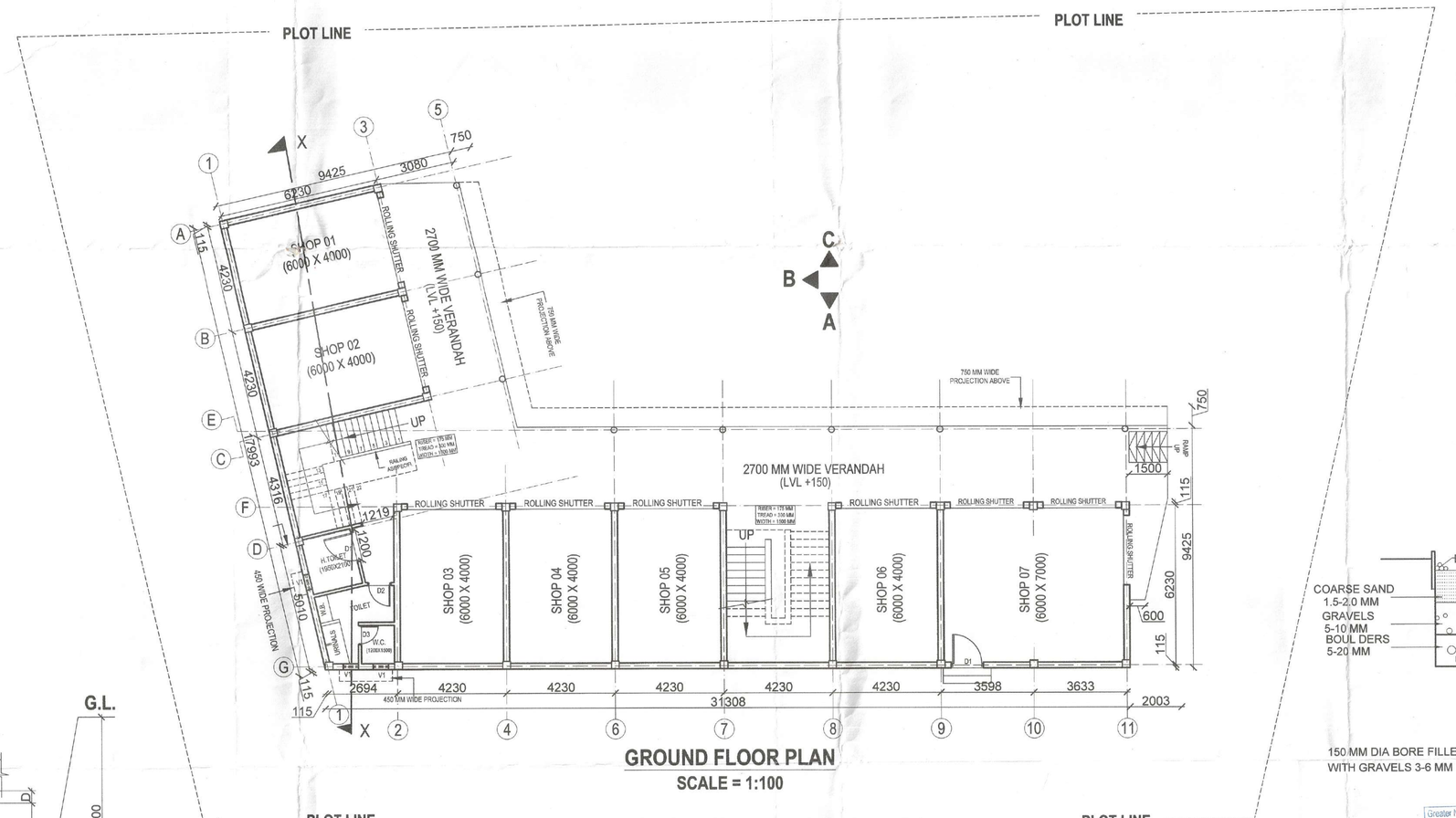
BUILDING ENVELOPE LAYOUT
(SCALE = 1:200)



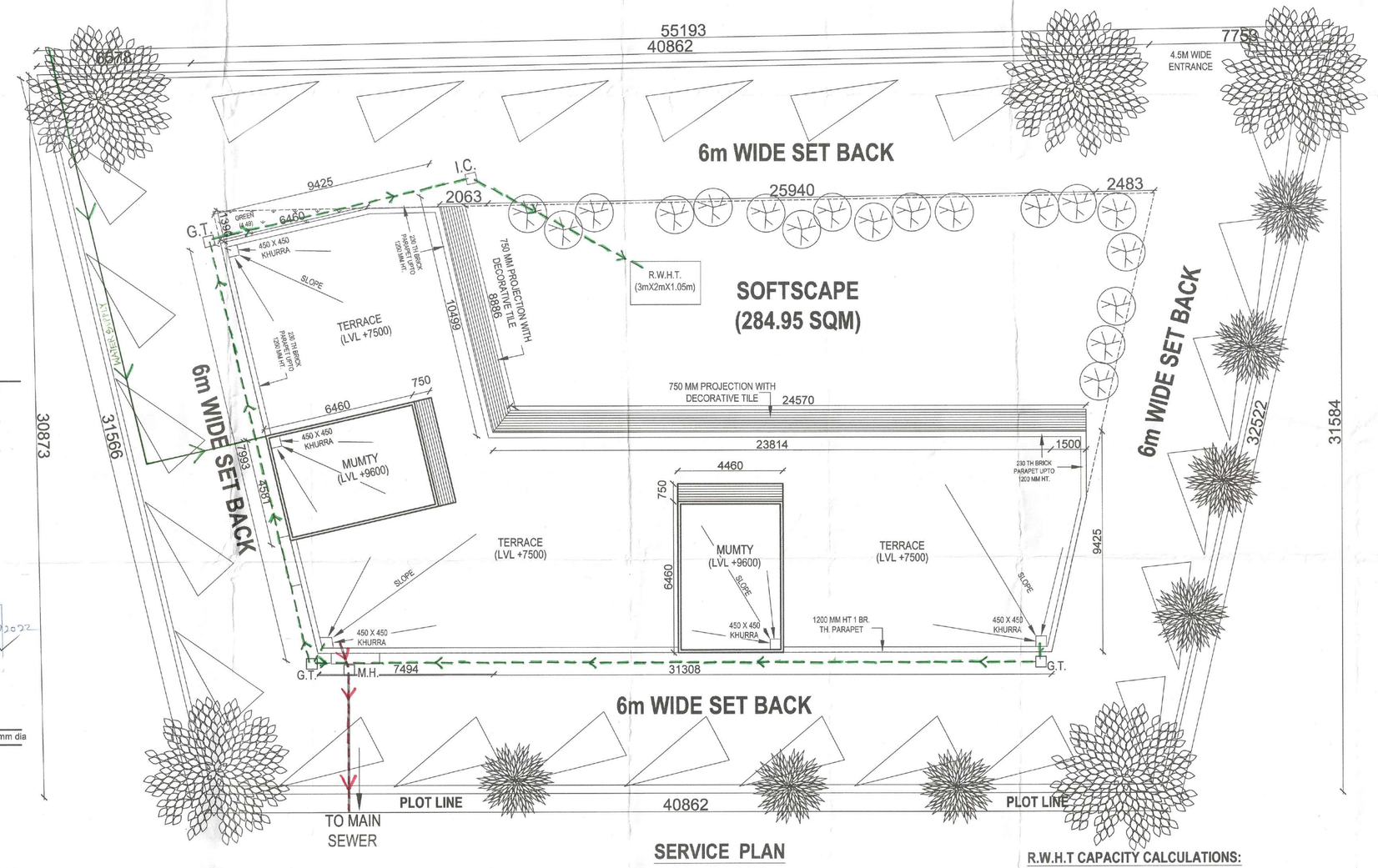
PARKING PLAN
(SCALE = 1:200)



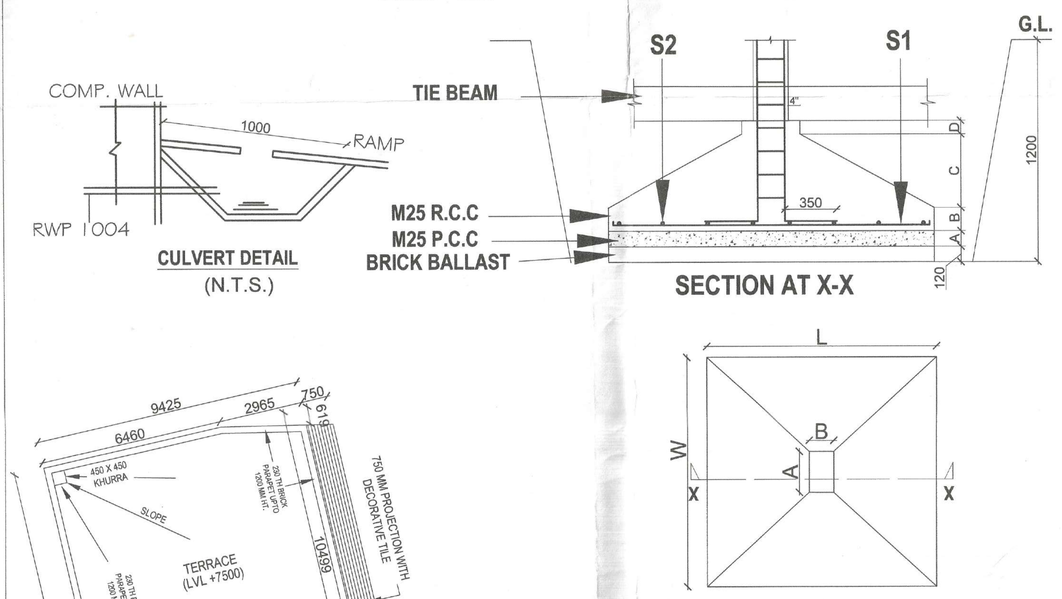
SITE PLAN
SCALE = 1:200



GROUND FLOOR PLAN
SCALE = 1:100

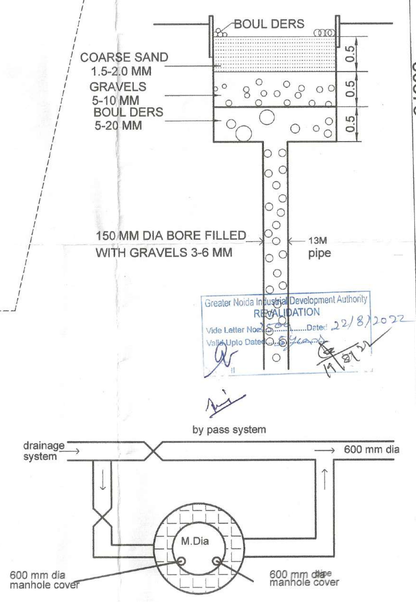


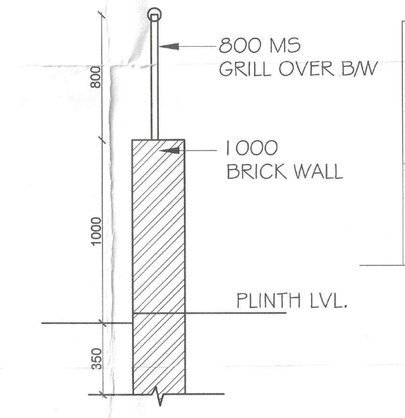
SERVICE PLAN
SCALE = 1:100



CULVERT DETAIL
(N.T.S.)

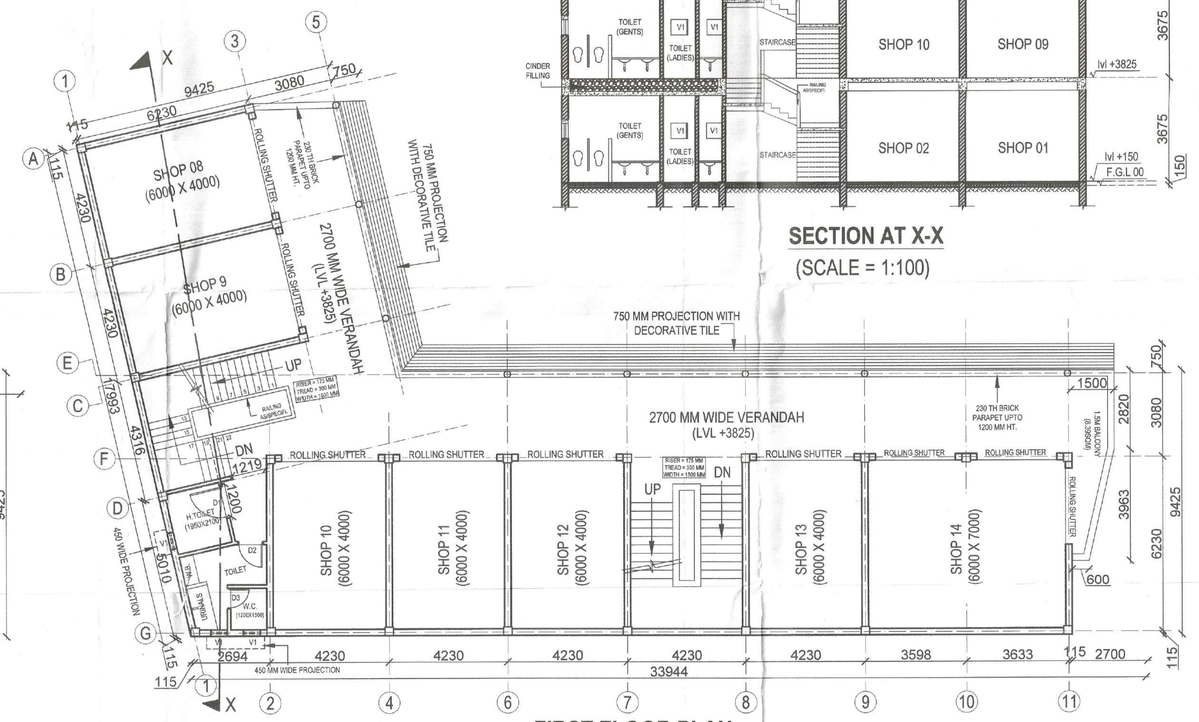
SECTION AT X-X





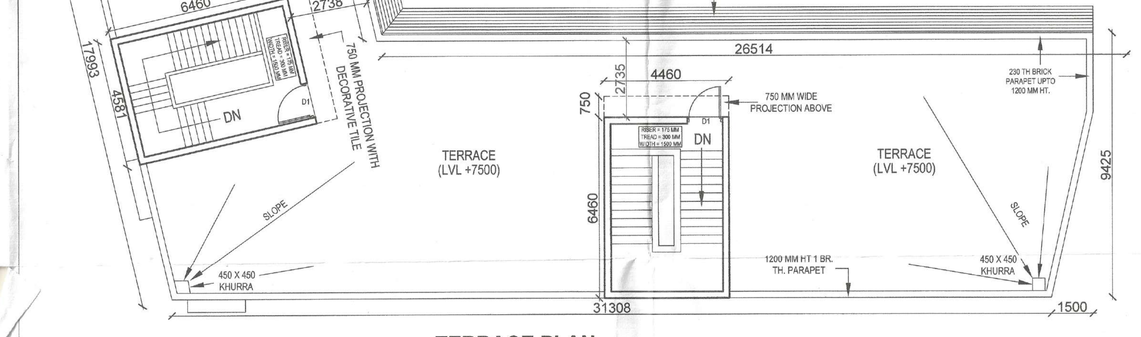
BOUNDARY WALL DETAIL
(N.T.S.)

WATER HARVESTING PLAN & SECTION



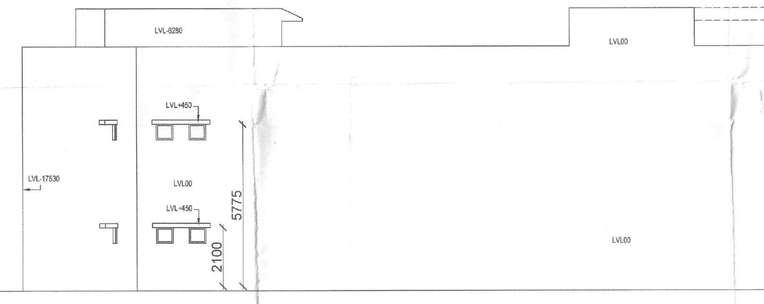
SECTION AT X-X
(SCALE = 1:100)

FIRST FLOOR PLAN
SCALE = 1:100

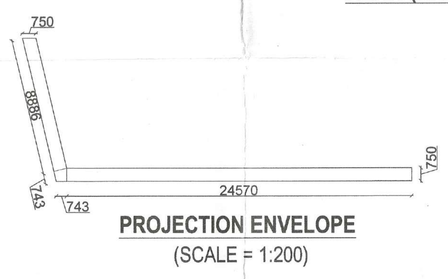


TERRACE PLAN
SCALE = 1:100

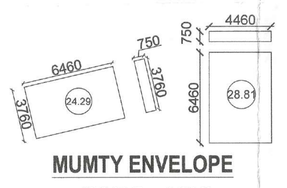
TYPICAL PLAN OF FOOTING



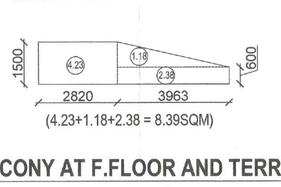
REAR (EAST SIDE) ELEVATION(C)
SCALE = 1:100



PROJECTION ENVELOPE
(SCALE = 1:200)



MUMTY ENVELOPE
(SCALE = 1:200)



BALCONY AT F.FLOOR AND TERRACE
(SCALE = 1:100)

R.W.H.T CAPACITY CALCULATIONS:
Total roof top Catchment Area = 393.37 sqm
Average Annual Rainfall = 100 mm =0.1m
Run off coefficient = 0.8 (Rooftop)
Spill and evaporation coefficient = 0.8
therefore
Calculation for Rain Water Recharge Pit :
Run off endowment from terrace (calculated for 15 minutes):
= 393.37 x 0.8 x 0.8 x 0.1 x 15/60
= 6.29 CuM
Therefore, provide an RWHT with capacity = 6.29 CuM having dimensions 3m X 2m X 1.05m

PARKING AREA CALCULATION:
Total area under Parking =A+B+C+D+E+F+G
= [(42.082+0.775/2)X3.400]+(4.201 X 3.400)+(24.662 X 3.400)+(2.703 X 3.400)+(35.445 X 3.400)+(2.714 X 3.400)+[(28.973+0.835/2) X 3.400]
=3.400(42.469+4.201+24.662+2.703+35.445+2.714+29.391)
=3.400(141.585) = 481.389 SQM
= **481.40 SQM** (APPROX.)

GREEN AREA (SOFTSCAPE) CALCULATIONS:
Total Open Area = 1106.63sqm
Green Area Required (@25%of open area) = 276.66sqm
Green Area Provided =[((30.486+25.954)/2)X((10.100+9.664)/2) + (1.390X5.460)/2] - 6(for R.W.H.T.)
=(28.22 X 9.882)/(4.49) - 6
=(278.8) + 4.49 - 6
=277.29sqm **(25.06%)**
Total Occupant's load @ 6 sqm/person = 65.56 /floor
therefore, total Occupancy = 65.56 x 2 =131(approx.)
total electrical load = 14.40 kW

Project
PROPOSED CONVENIENT SHOPPING COMPLEX AT NTPC,SAHKARI AWAS SAMITI, Ltd, PLOT NO.03, SECTOR P-6, GREATER NOIDA

AREA CALCULATIONS

AREA UNDER VARIOUS ZONES:
(COVERED AREA, OPEN AREA, AEA UNDER METAL ROADS, PAVED AREA, GREEN AREA etc.)

AREA CALCULATIONS:

TOTAL PLOT AREA = 1500 SQM	
COVERED AREA (GROUND FLOOR)	= 393.37 SQ M
COVERED AREA (FIRST FLOOR)	= 393.37 SQ M
MUMTY(2100 MM HT) AREA	= 53.10 SQM
TOTAL COVERED FLOOR AREA	= (393.37+393.37+53.10) = 839.84 SQM
GROUND COVERAGE PERMITTED	**= 40%**
GROUND COVERAGE ACHIEVED	= (393.37/1500 X100)% = **26.22%**
F.A.R PERMITTED (IN%) @ 80%	= 1200 sqm
F.A.R ACHIEVED (IN %)	= (839.84/1500X100) = **55.98**
TOTAL OPEN AREA	= 1106.63 SQM (73.77%)
AREA UNDER SOFTSCAPE	= 277.30 SQM (25.06%) OF TOTAL OPEN AREA
AREA UNDER METAL ROADS	= 839.00 SQM (55.93%)

PARKING E.C.S. CALCULATIONS:

TOTAL PLOT AREA	= 1500 SQM
F.A.R PERMITTED (IN %)	= 80
TOTAL COVERED AREA ALLOWED	= 1200 SQM
ECS TO BE PROVIDED (@1ECS/20SQM)	= 24 ECS
TOTAL PARKING AREA (@ 20SQM/ECS)	= 480.0 SQM
TOTAL PARKING AREA PROVIDED	= 481.4 SQM

LANDSCAPE CALCULATIONS:

TOTAL OPEN AREA	= 1106.63 SQM
TOTAL NO. OF TREES (@1 TREE/100SQM)	= 11 TREES (APPROX.)
TOTAL NUMBER OF TREES PROPOSED	= 30
TOTAL EVERGREEN TREES	= 12
TOTAL DECIDUOUS TREES	= 18

TREES DETAILS:

S.N	COMMON NAM	BOTANICAL NAME	CLASSIFICATION	QUANTITY
1.	Weeping Fig	*Ficus benjamina*	Evergreen	5 nos.
2.	Champa	*Plumeria alba*	Deciduous	18 nos.
3.	Aseka	*Palaitha longifolia*	Evergreen	7 nos.

Greater Noida Industrial Development Authority
APPROVED
Date 22/8/2022

Detail Of Door's & Window's

S.No.	Type	Nos.	Size	Description
1.	D1	05	1200 X 2100	DOOR
2.	D2	02	1050 X 2100	DOOR
3.	D3	02	750X1200	DOOR
4.	V1	06	600X600	VENTILATOR

GENERAL SPECIFICATIONS :
1. FOUNDATION CONCRETE IN 1:6:12 WITH CEMENT AND FINE SAND MORTAR.
2. MASONRY FIRST CLASS BRICK WORK IN 1:6 CEMENT AND FINE SAND MORTAR.
3. D.P.C. 40 MM THICK AT PLINTH LVL SHALL BE PROVIDED IN 1:2:4.
4. ALL DORRS AND WINDOWS SHALL BE IN APPROVED QUALITY OF TIMBER.
5. 150 MM THICK LINTEL BAND AT DOOR AND WINDOW LVL SHALL BE PROVIDED.
6. R.C.C. SLAB SHALL BE CAST IN M20 GRADE CONCRETE.
7. PLASTER 12 MM THICK IN 1:6 CEMENT AND FINE SAND SHALL BE PROVIDED.

North Line N

Submission Drg.
MAR. 2017

IT IS CERTIFIED THAT THE BUILDING DRAWINGS HAVE BEEN PREPARED ACCORDING TO GNIDA BUILDING BYE LAWS-2010.

ARCHITECT	OWNER
KUNJ ARCHITECTS AND ASSOCIATES; 30-SRI NARAYAN GANJ, UJHANI BUDAUN	N.T.P.C.SAHKARI AWAS SAMITI Ltd. PLOT No. 3 SECTOR P-6 GREATER NOIDA
ARCHITECT'S SIGNATURE	OWNER'S SIGNATURE

Secretary
NTPC Sahkari Awas Samiti Ltd.