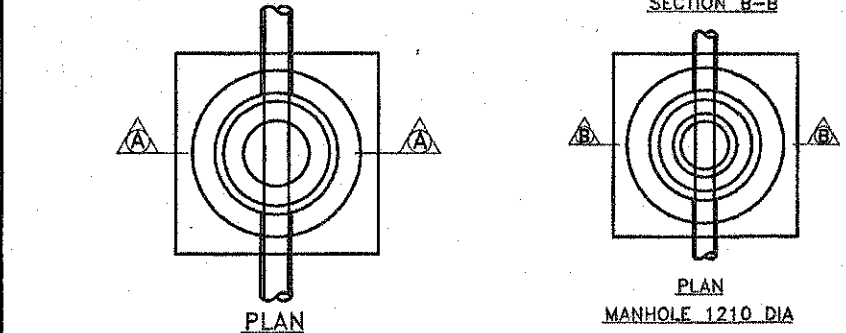
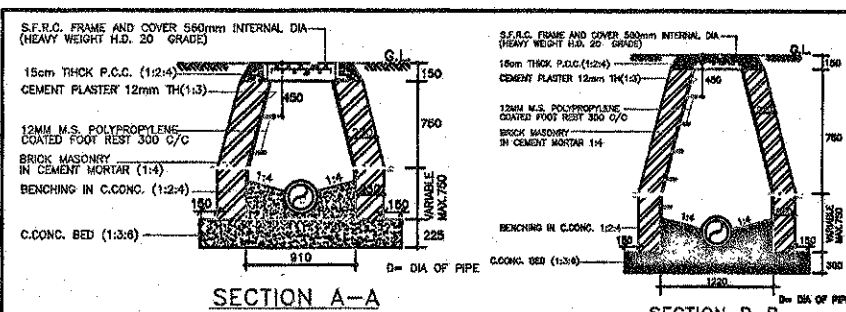
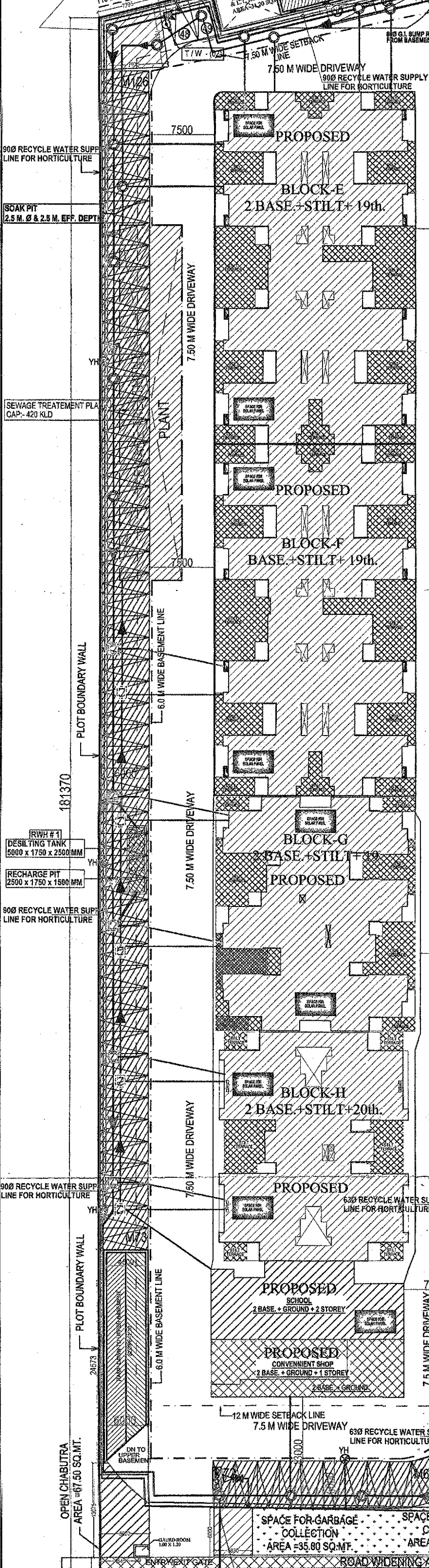


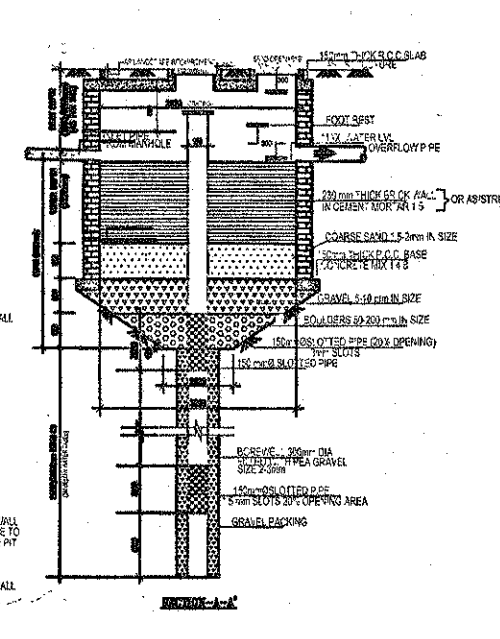
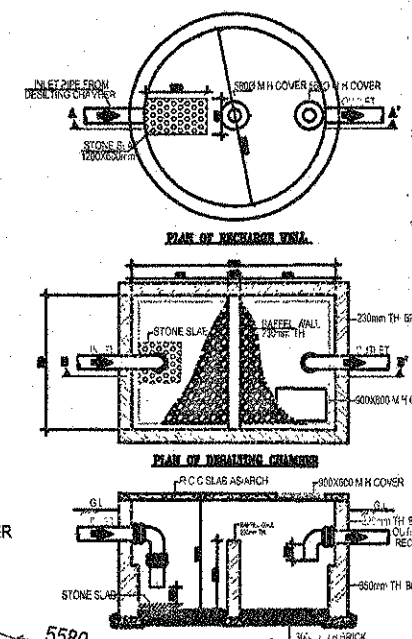


SPACE FOR GARBAGE COLLECTION AREA = 64.10 SQ.MT.



24.00 MT. WIDE PROPOSED ROAD
(as per zonal plan)

24.00 MT. WIDE PROPOSED ROAD
(as per zonal plan)



LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.	M.H.	MANHOLE
2.	—	SEWER LINE
3.	C.P.	CATCH PIT
4.	—	UNDER-GROUND DRAIN
5.	—	RECYCLED WATER SUPPLY PIPE LINE
6.	—	RISING MAIN LINE (FROM T.W. TO U.G.T.)
7.	—	MUNICIPAL WATER SUPPLY LINE TO FILL UGT
8.	—	PROPOSED TUBE WELL
9.	—	GARDEN HYDRANT
10.	—	MAINTENANCE FREE EARTHING
11.	—	EARTH PIT

LEGEND : FIRE SYSTEM

S. No.	SYMBOL	DESCRIPTION
1.	—	FIRE LINE
2.	YH	YARD HYDRANT 85 M.M. DIA. SINGLE HEADED HYDRANT VALVE WITH 2 NOS. 15 M. LONG, 65 M.M. DIA. FIRE HOSE PIPE & 1 NO. BRANCH PIPE WITH NOZZLE
3.	—	FIRE BRIGADE CONNECTION
4.	—	BUTTERFLY VALVE
5.	—	NONRETURN VALVE (CHECK VALVE)
6.	—	ISOLATING VALVE WITH MASONRY CHAMBER

- NOTES : SEWERAGE & DRAINAGE**
- THE SIZE OF MANHOLE & CATCH PITS SHALL BE AS UNDER (INNER SIZES)

a) 900 TO 1800 M.M. DEPTH	900 M.M. DIA.
b) 1800 TO 2250 M.M. DEPTH	1200 M.M. DIA.
c) ABOVE 2250 M.M. DEPTH	1500 M.M. DIA.
 - THE LEVELS OF SEWER DRAIN LINES HAS BEEN WORKED OUT ON THE BASIS OF CERTAIN GROUND LEVEL AND FOR CERTAIN PIPE LENGTHS BETWEEN TWO MANHOLES. THE INVERT LEVELS HAS TO BE STRICTLY FOLLOWED. HOWEVER, THE SLOPE OF LINE MAY BE SLIGHTLY CHANGED.
 - FOR ANY DISCREPANCY / OMISSION THE MATTER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION.
 - MANHOLE / CATCHPIT SHALL BE PROVIDED AT FOLLOWING PLACES -
 - AT THE START OF EACH SEWER LINE / DRAIN LINE
 - AT EVERY JUNCTION AND POSITION WHERE THERE IS CHANGE OF SIZE, GRADIENT AND ALIGNMENT
 - MANHOLES AT NOT MORE THAN 45 METER INTERVAL IN STRAIGHT LENGTH
 - CATCHPITS AT NOT MORE THAN 15 METER INTERVAL IN STRAIGHT LENGTH
 - WHERE THE DIAMETER OF PIPE IS INCREASED THE CROWN OF THE PIPE SHALL BE FIXED AT THE SAME LEVEL AND NECESSARY SLOPE SHALL BE GIVEN IN THE INVERT OF THE MANHOLE CHAMBER
 - THE STRUCTURAL DESIGN OF MANHOLES / PIPE BEDDING HAS TO BE DONE FOR LOCAL FIELD CONDITIONS SUCH AS FILLED UP SOIL / BLACK COTTON SOIL / HIGH SUB SOIL CONDITIONS.
 - THIS DRAWING SHALL BE READ ALONG WITH THE GROUND FLOOR PLAN OF RESPECTIVE BUILDING FOR EXACT LOCATION OF APPURTENANCES / MANHOLES ETC.
 - SEWER / DRAIN LINE UNDER THE ROAD SHALL BE ENCASED WITH 150 TH. PCC 1:2:4 ALL ROUND.
 - MANHOLE / CATCHPIT COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AS PER LANDSCAPE DRAWING.
 - THIS DRAWING SHALL BE COORDINATED WITH OTHER DRAWING I.E. ARCHITECTURE, STRUCTURAL, ELECTRICAL, LANDSCAPE & OTHER RELEVANT DRAWING.
 - MATERIAL OF PIPE - RCC (NP 2) PIPE
 - IN THE AREAS SUBJECT TO SUBSIDENCE OR FILLED UP SOIL (DUE TO EXCESS EXCAVATION AT SITE FOR CONSTRUCTION OF BASEMENTS) THE SEWER LINES & MANHOLE SHOULD BE LAID ON SUITABLE SUPPORT OR CONCRETE CRADLE SUPPORTED ON PILES OR SUITABLE FOUNDATION AS PER STRUCTURAL DESIGN
 - IN CASE WHERE SEWERS ARE LAID IN HIGH SUBSOIL CONDITIONS MANHOLES SHOULD BE CONSTRUCTED IN R.C.C. GARDE M-25
 - THE WIDTH OF TRENCH FOR SEWER AND DRAINAGE SHOULD BE 0.400MM. (0.40 DIA. OF PIPE)
 - SHORING / TIMBERING SHOULD BE ADEQUATE TO PREVENT CAVING-IN OF THE TRENCH WALLS OF SUBSIDENCE OF AREAS ADJACENT TO THE TRENCH. AN ENGINEER-IN-CHARGE IN CONSULTATION WITH A STRUCTURAL ENGINEER SHOULD PROVIDE ADEQUATE ARRANGEMENT TO PREVENT CAVING-IN.

- NOTES : WATER SUPPLY**
- THE DEPTH OF RECYCLE WATER SUPPLY MAIN SHALL BE -1000 MM
 - THE DEPTH OF RISING MAIN SHALL BE -1000 MM
 - PIPE MATERIAL FOR EXTERNAL WATER SUPPLY - RECYCLE / TUBE WELL RISING MAIN / MUNICIPAL LINE SHALL BE HDPE (PE100) PMS

PROJECT:
DRAWING FOR THE GROUP HOUSING AT KH. NO. 237M & 238 AT VILLAGE MORTA, GHAZIABAD - (U.P.)

OWNER:
M/S TECHMAN BUILDWELL PVT. LTD.
DIRECTOR :- MR. ASEM ANAND

DRAWING TITLE:
PLAN OF DEVELOPMENT OF WORK

OWNER'S SIGN **ARCHITECT'S SIGN.**

ANUJ AGARWAL ARCHITECTS
OFFICE:- A-244 KAUSHAMBI GHAZIABAD (U.P.)
Ph:-0120 - 6454182, 4169716, TEL. FAX - 2773592
e-mail : arch.anujagarwal@gmail.com

SCALE N.T.S. **DEALT BY** **DATE**

DESIGN BY **CHECKED BY** **DRG. No.** SD-01