

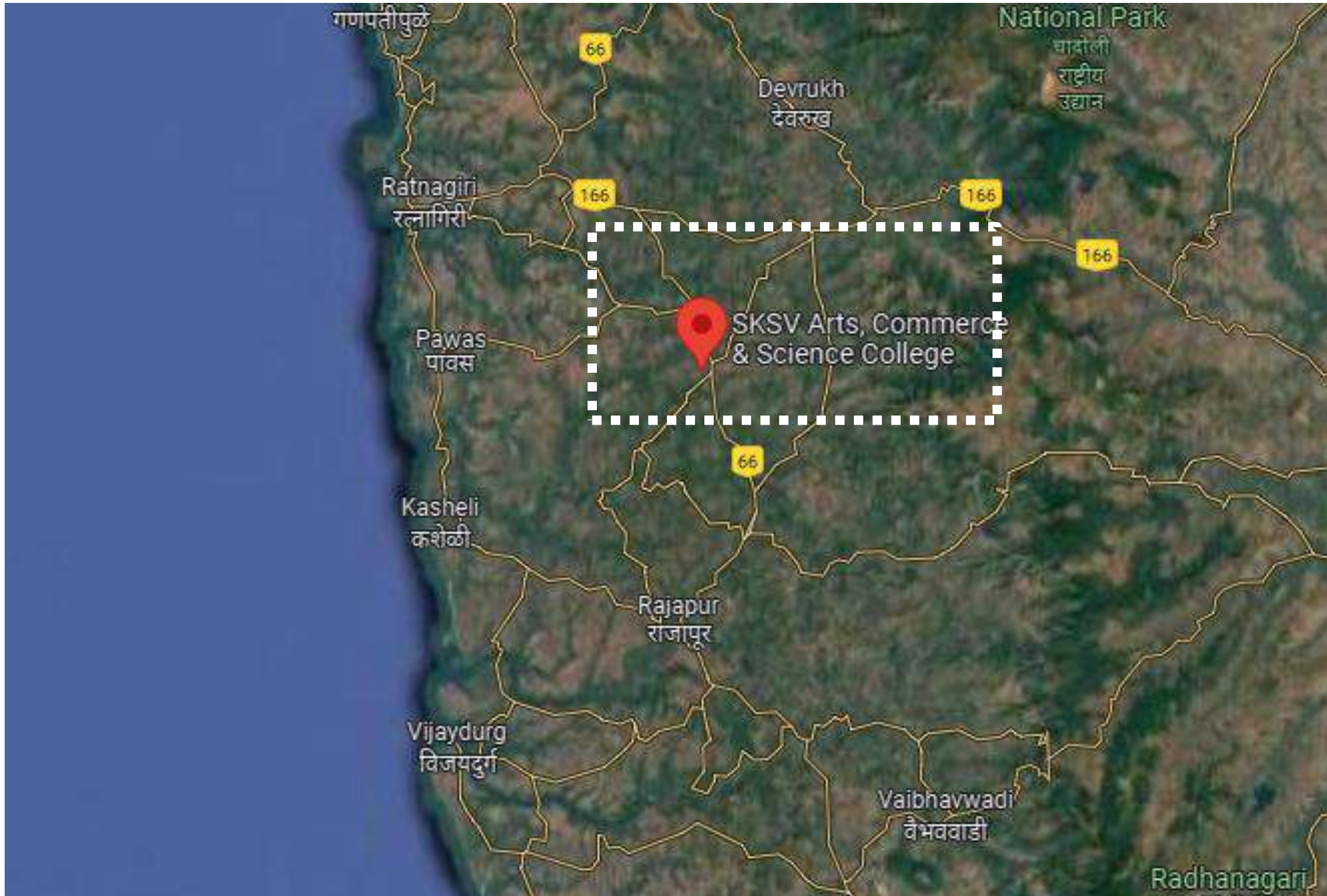


# New Education Society's

## Arts, Commerce & Science College, Lanja

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Centrally located from Devrukh, Ratnagiri, Pawas, Rajapur



GEOLOGICAL LOCATION

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## Existing Entrance and Access



EXISTING ENTRANCE

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EXISTING STRUCTURE

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# LEGEND




-  EXISTING MANGO TREES
-  EXISTING CASHEW TREES

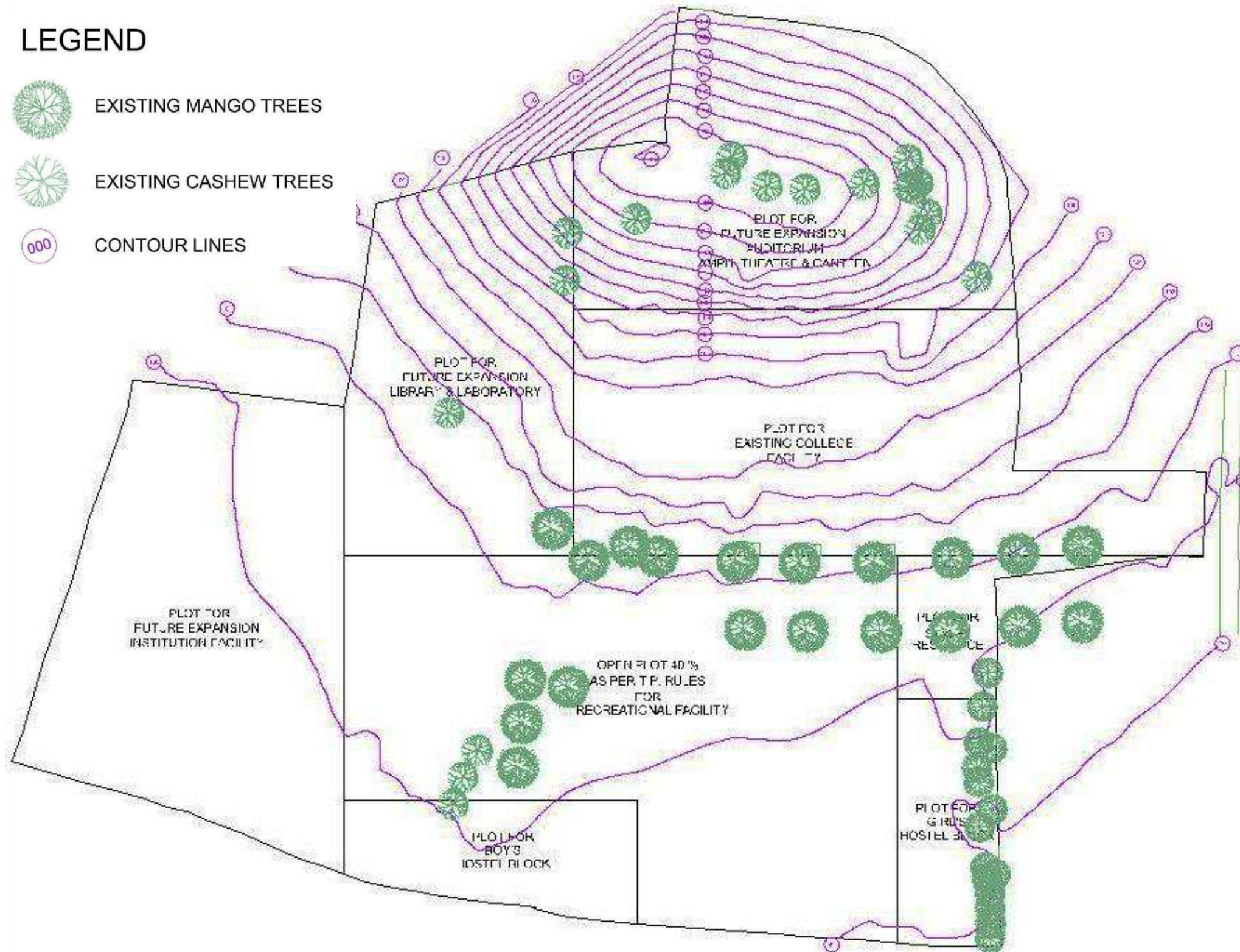


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# LEGEND

-  EXISTING MANGO TREES
-  EXISTING CASHEW TREES
-  CONTOUR LINES



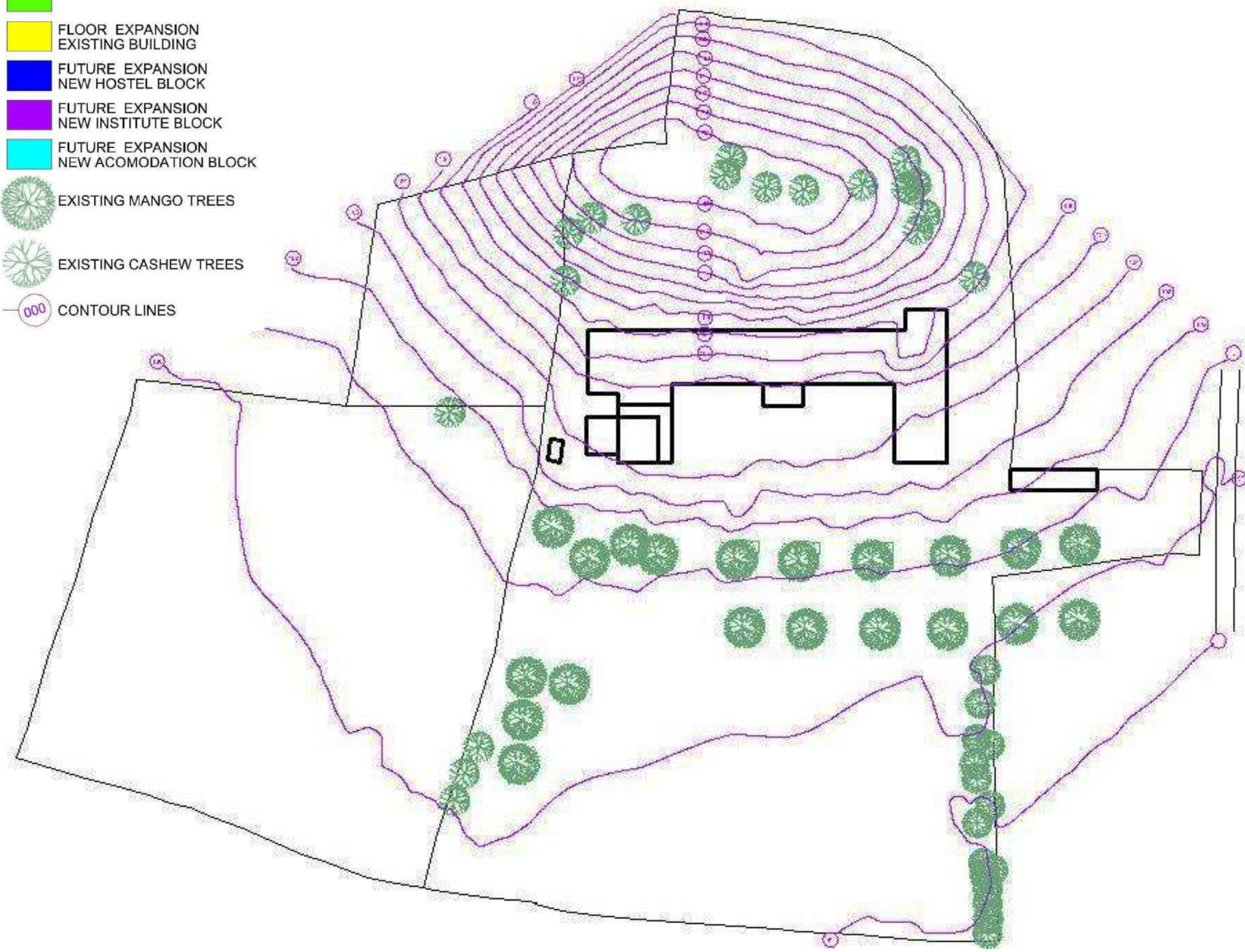
PLOT CONTOURS

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# LEGEND

- EXISTING BUILDING
- FLOOR EXPANSION EXISTING BUILDING
- FUTURE EXPANSION NEW HOSTEL BLOCK
- FUTURE EXPANSION NEW INSTITUTE BLOCK
- FUTURE EXPANSION NEW ACOMODATION BLOCK
- EXISTING MANGO TREES
- EXISTING CASHEW TREES
- CONTOUR LINES



PLOT WITH EXISTING BUILDING

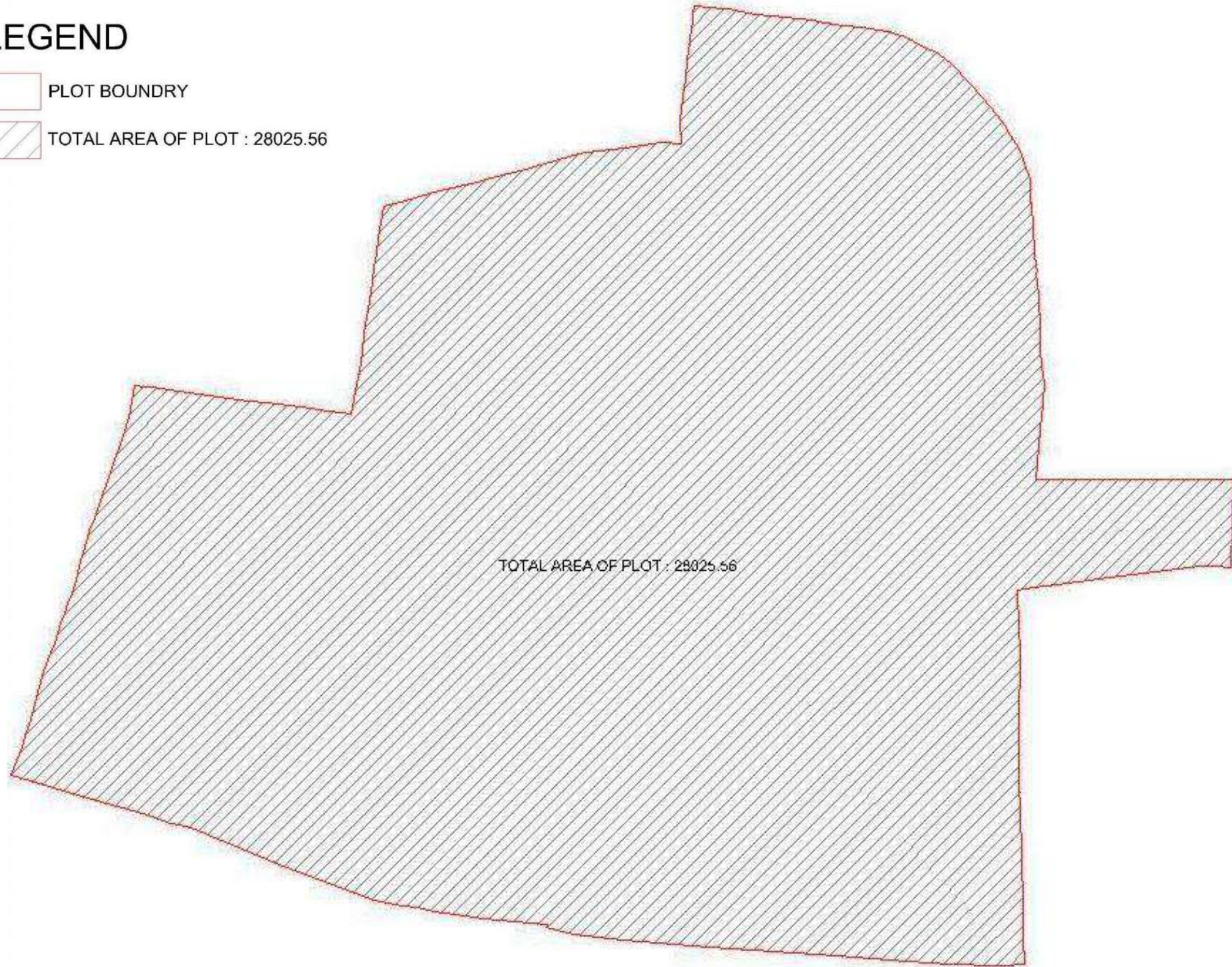
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# LEGEND











 PLOT BOUNDRY

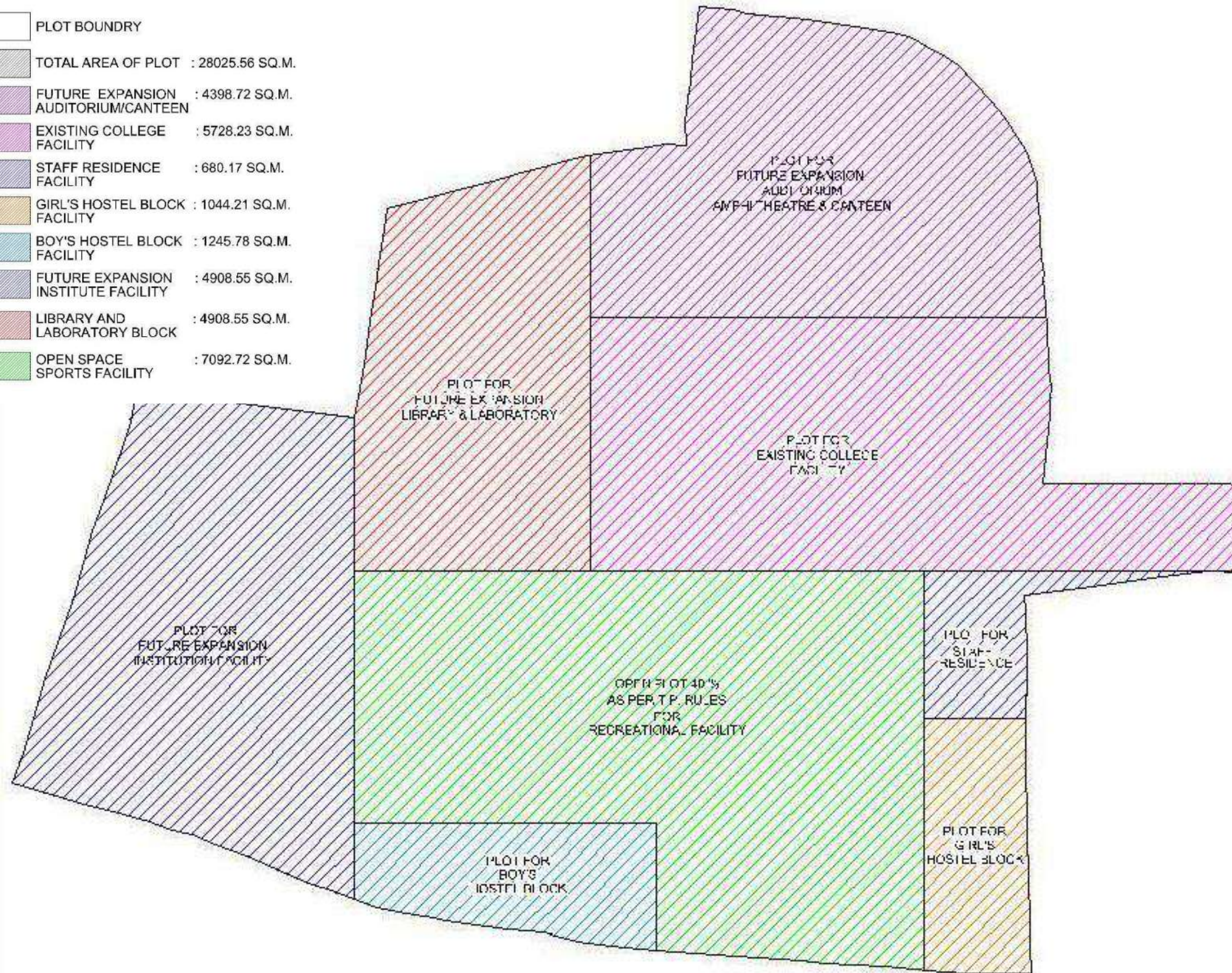
 TOTAL AREA OF PLOT : 28025.56





# LEGEND

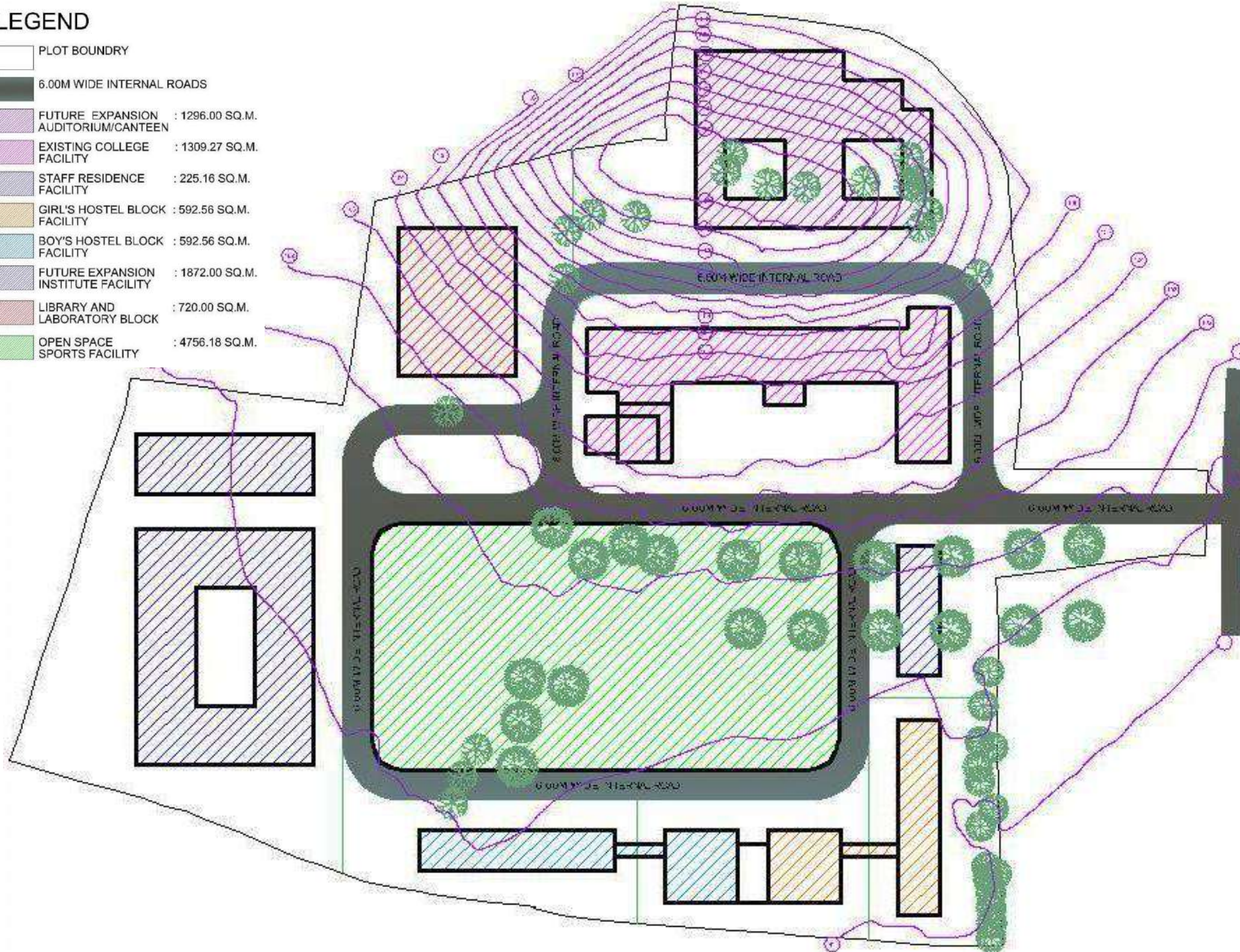
-  PLOT BOUNDRY
-  TOTAL AREA OF PLOT : 28025.56 SQ.M.
-  FUTURE EXPANSION AUDITORIUM/CANTEEN : 4398.72 SQ.M.
-  EXISTING COLLEGE FACILITY : 5728.23 SQ.M.
-  STAFF RESIDENCE FACILITY : 680.17 SQ.M.
-  GIRL'S HOSTEL BLOCK : 1044.21 SQ.M. FACILITY
-  BOY'S HOSTEL BLOCK : 1245.78 SQ.M. FACILITY
-  FUTURE EXPANSION INSTITUTE FACILITY : 4908.55 SQ.M.
-  LIBRARY AND LABORATORY BLOCK : 4908.55 SQ.M.
-  OPEN SPACE SPORTS FACILITY : 7092.72 SQ.M.





# LEGEND

- PLOT BOUNDARY
- 6.00M WIDE INTERNAL ROADS
- FUTURE EXPANSION AUDITORIUM/CANTEEN : 1296.00 SQ.M.
- EXISTING COLLEGE FACILITY : 1309.27 SQ.M.
- STAFF RESIDENCE FACILITY : 225.16 SQ.M.
- GIRL'S HOSTEL BLOCK : 592.56 SQ.M. FACILITY
- BOY'S HOSTEL BLOCK : 592.56 SQ.M. FACILITY
- FUTURE EXPANSION INSTITUTE FACILITY : 1872.00 SQ.M.
- LIBRARY AND LABORATORY BLOCK : 720.00 SQ.M.
- OPEN SPACE SPORTS FACILITY : 4756.18 SQ.M.



PLOT WITH EXISTING & PROPOSED BLDG

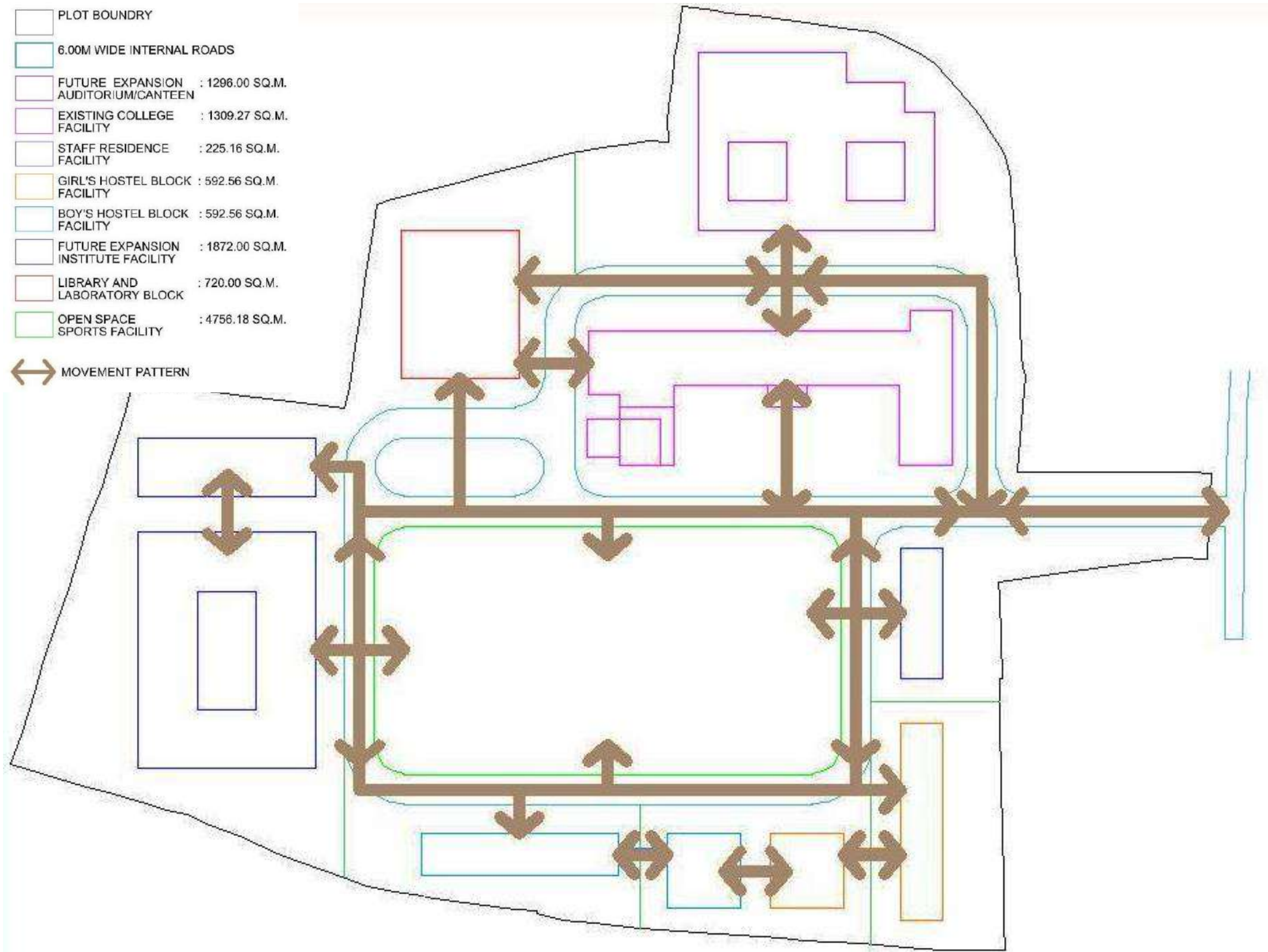
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# LEGEND

- PLOT BOUNDRY
- 6.00M WIDE INTERNAL ROADS
- FUTURE EXPANSION AUDITORIUM/CANTEEN : 1296.00 SQ.M.
- EXISTING COLLEGE FACILITY : 1309.27 SQ.M.
- STAFF RESIDENCE FACILITY : 225.16 SQ.M.
- GIRL'S HOSTEL BLOCK : 592.56 SQ.M. FACILITY
- BOY'S HOSTEL BLOCK : 592.56 SQ.M. FACILITY
- FUTURE EXPANSION INSTITUTE FACILITY : 1872.00 SQ.M.
- LIBRARY AND LABORATORY BLOCK : 720.00 SQ.M.
- OPEN SPACE SPORTS FACILITY : 4756.18 SQ.M.

↔ MOVEMENT PATTERN



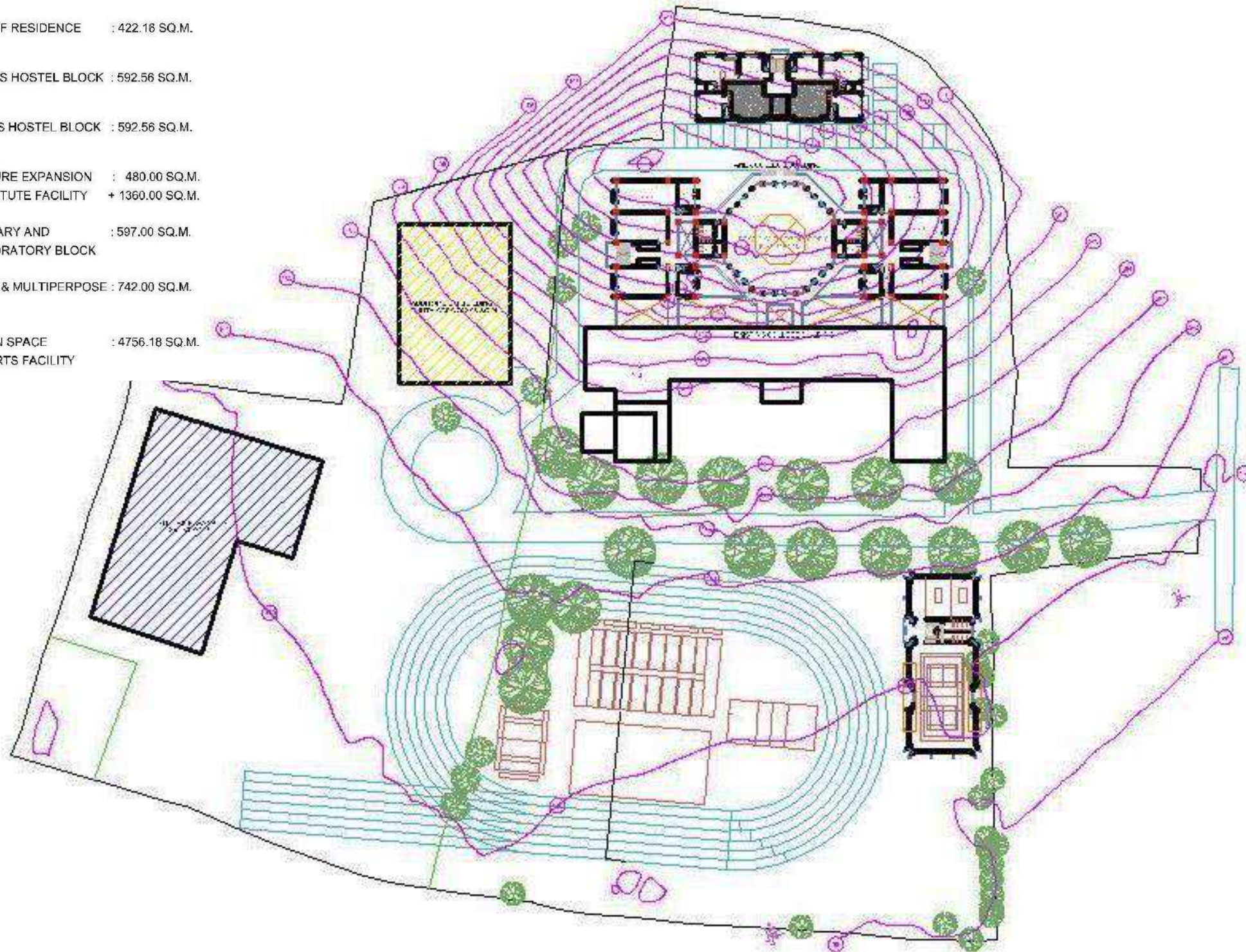
LAYOUT SHOWING CIRCULATION

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# LEGEND

-  EXISTING COLLEGE : 1309.27 SQ.M.
-  STAFF RESIDENCE : 422.18 SQ.M.
-  GIRL'S HOSTEL BLOCK : 592.56 SQ.M.
-  BOY'S HOSTEL BLOCK : 592.56 SQ.M.
-  FUTURE EXPANSION : 480.00 SQ.M.
-  INSTITUTE FACILITY + 1360.00 SQ.M.
-  LIBRARY AND LABORATORY BLOCK : 597.00 SQ.M.
-  AUDI & MULTIPERPOSE : 742.00 SQ.M.
-  OPEN SPACE SPORTS FACILITY : 4756.18 SQ.M.



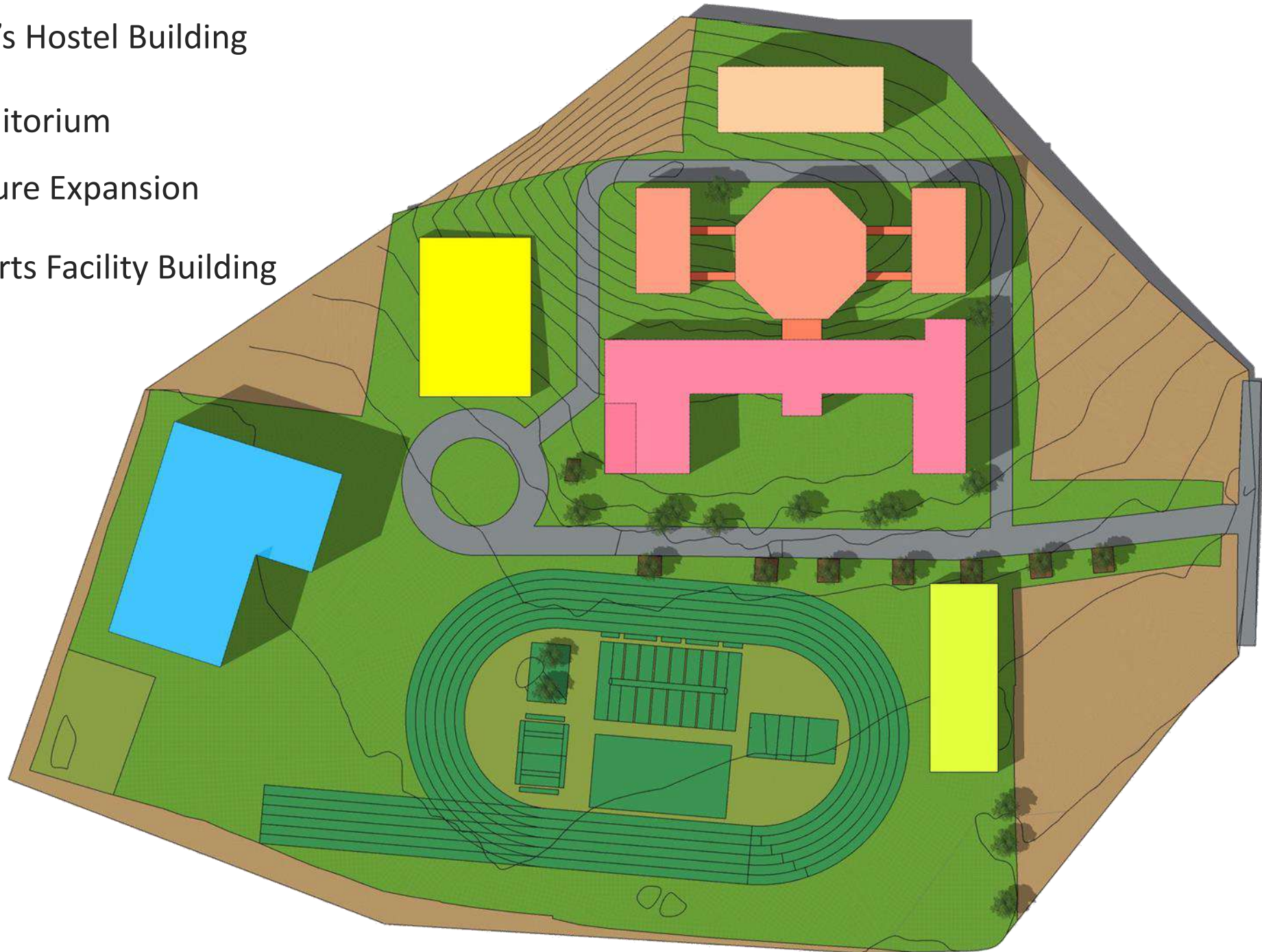
PROPOSED LAYOUT

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**LEGEND :**

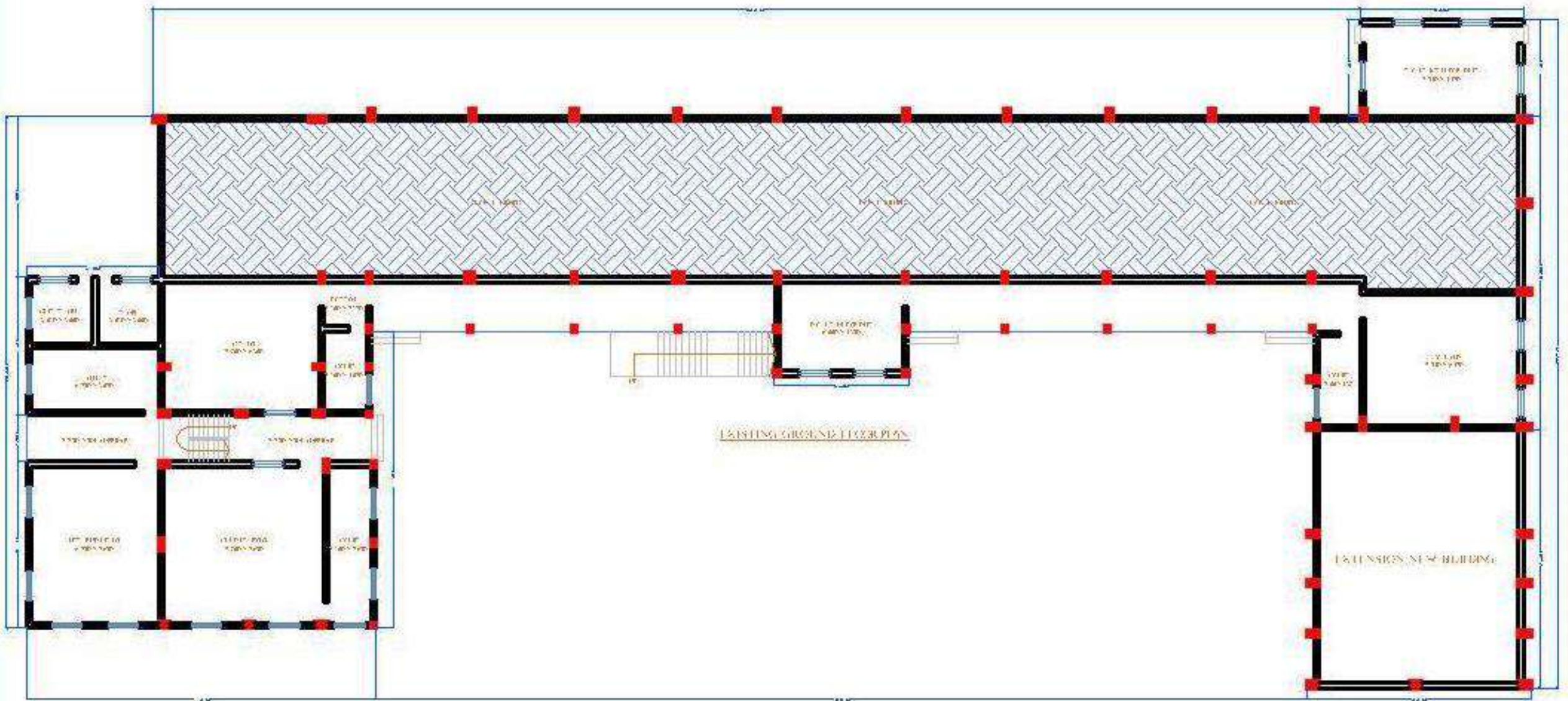
- Existing College Building
- Annex Block- Library & Laboratory
- Girl's Hostel Building
- Auditorium
- Future Expansion
- Sports Facility Building



PROPOSED LAYOUT

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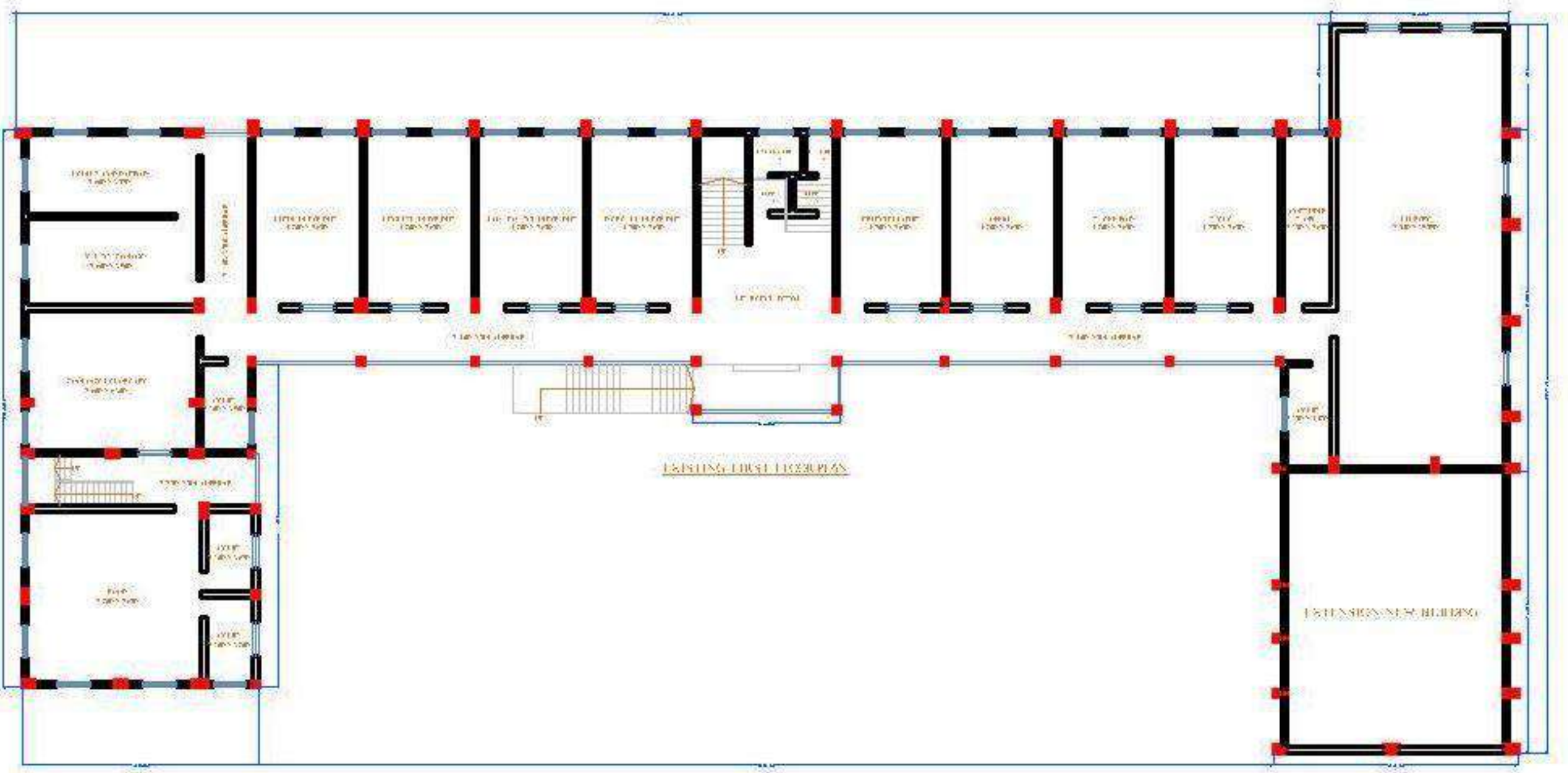




# EXISTING GROUND FLOOR PLAN

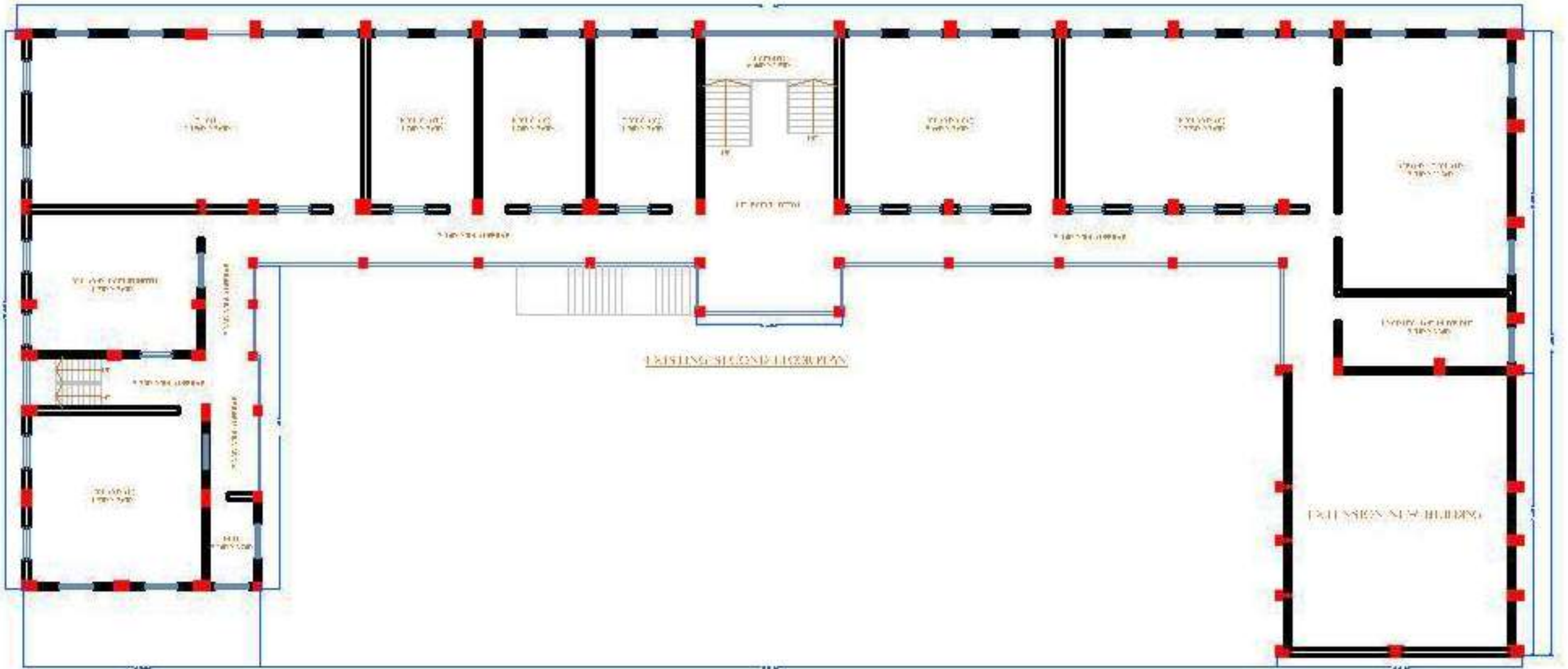
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EXISTING FIRST FLOOR PLAN

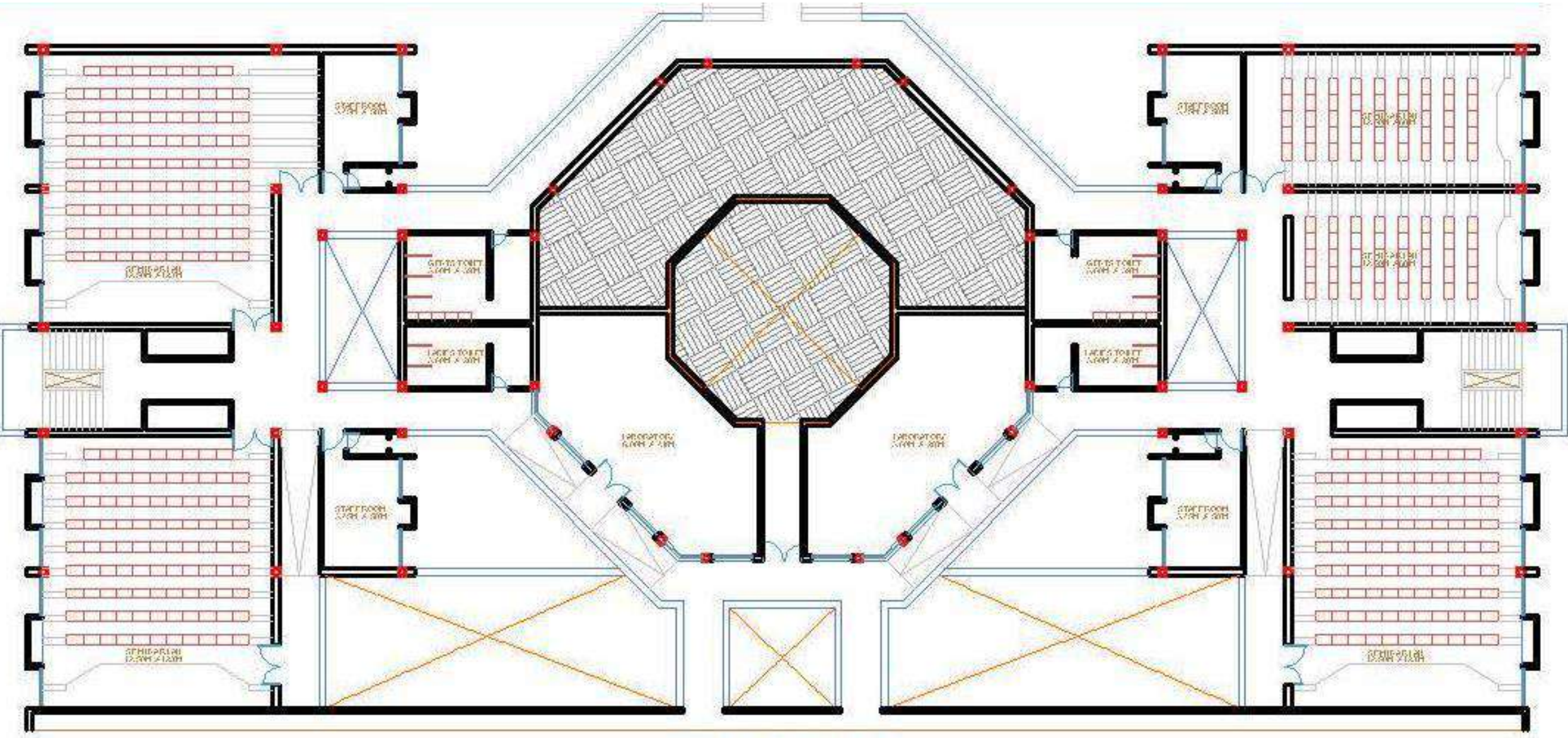




EXISTING SECOND FLOOR PLAN

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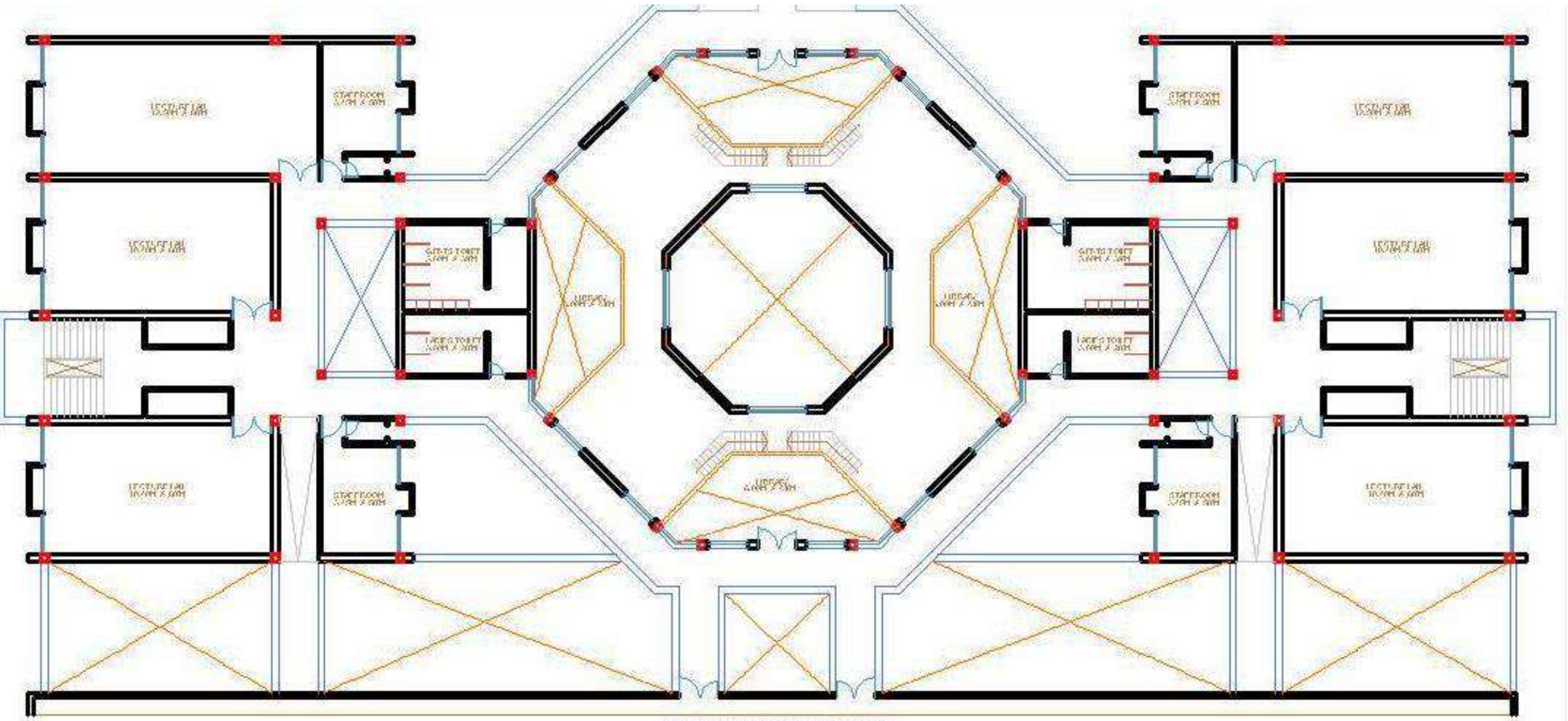




LOWER GROUND FLOOR PLAN

a p r i l 2 0 2 2

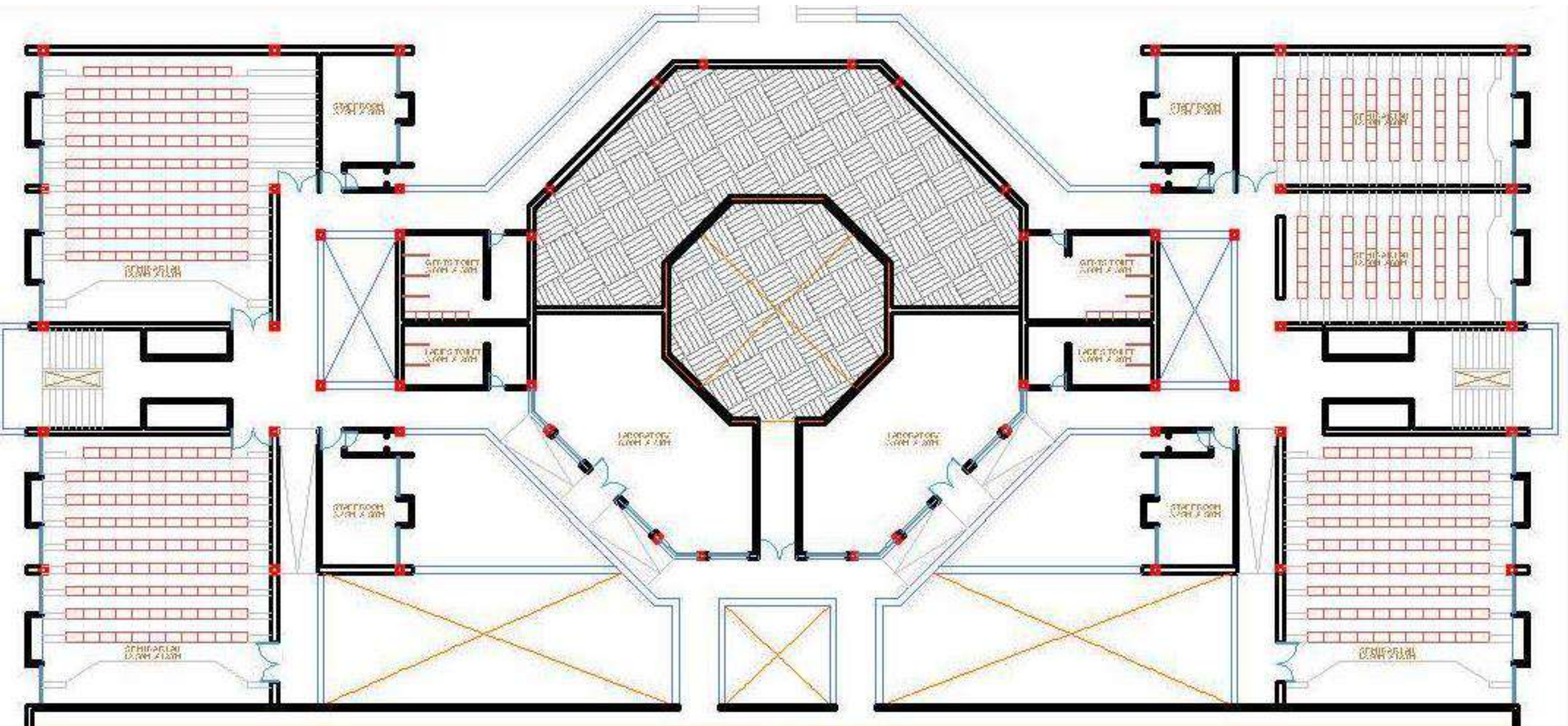




# UPPER GROUND FLOOR PLAN

a p r i l 2 0 2 2

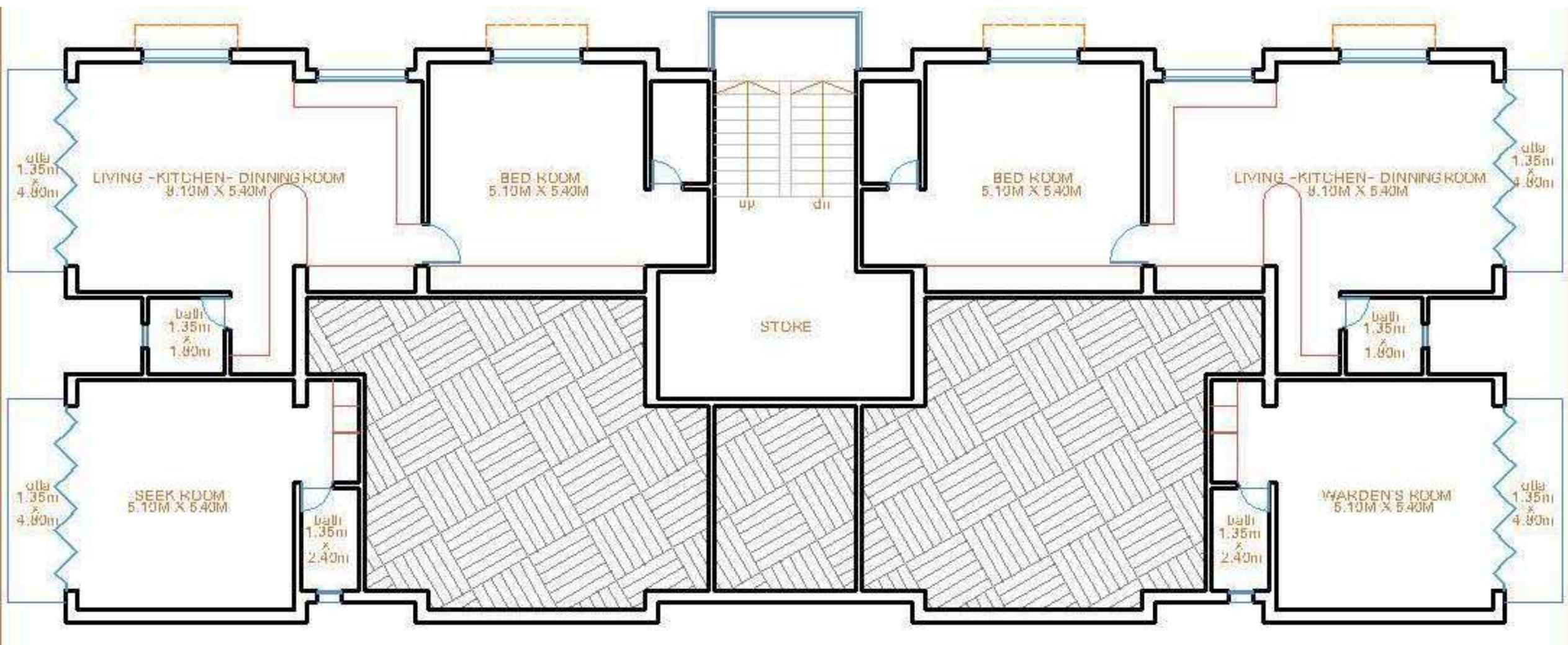




GROUND UPPER FIRST FLOOR PLAN

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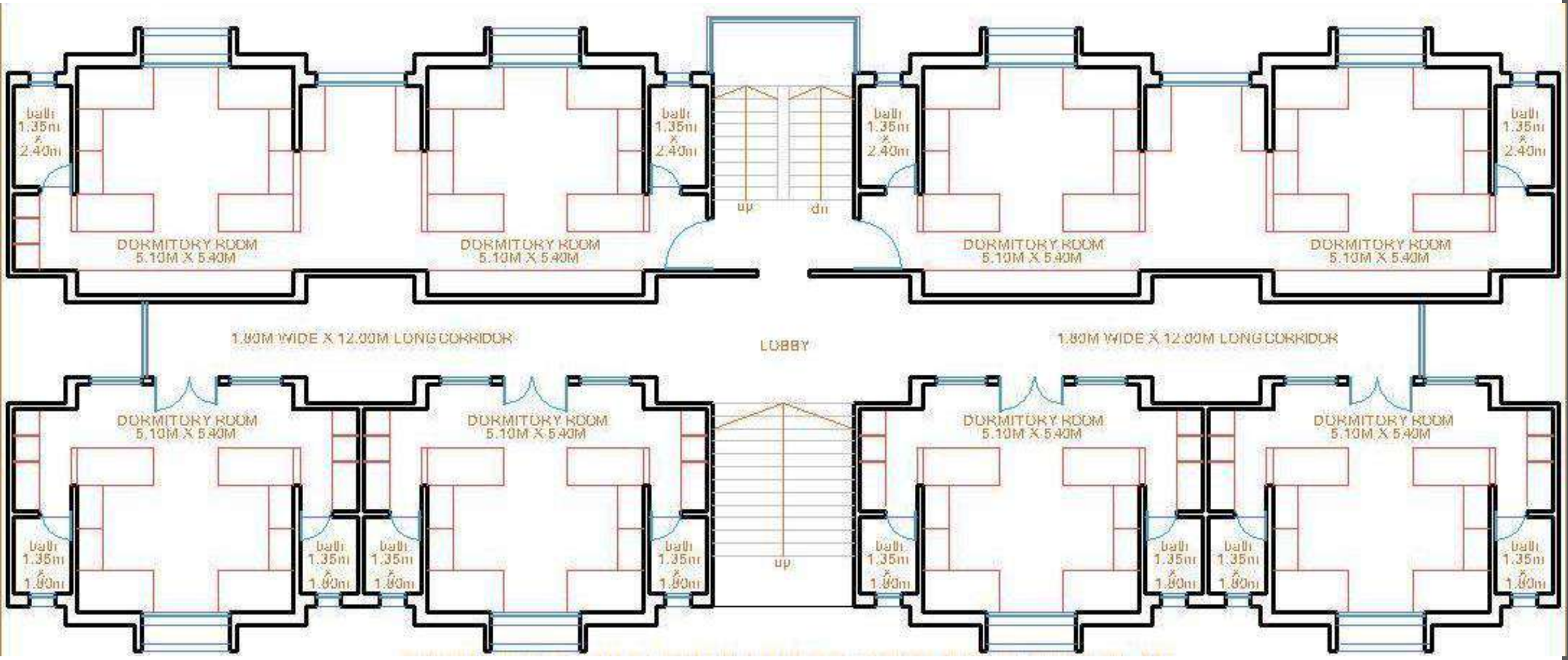




# DORMITORY/HOSTEL BUILDING LOWER GROUND FLOOR PLAN

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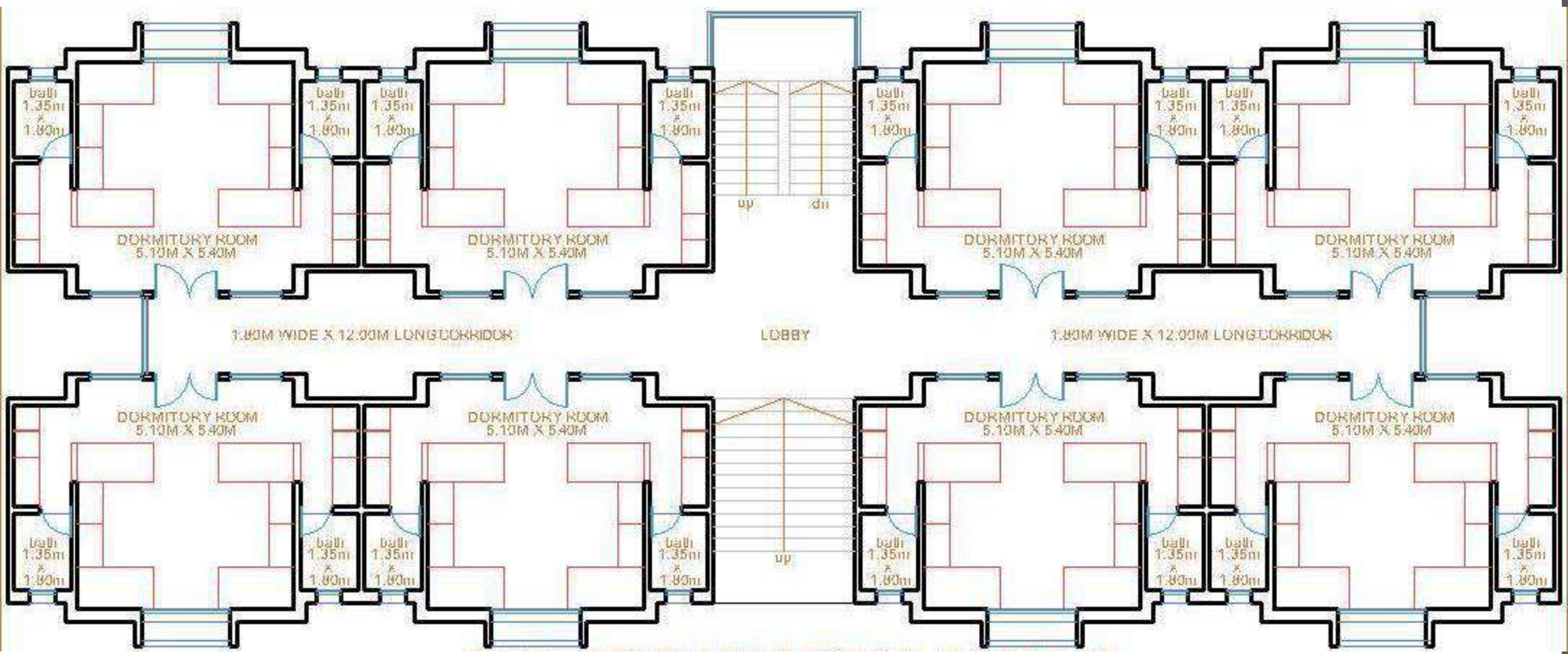




# DORMITORY BUILDING UPPER GROUND FLOOR PLAN

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# DORMITORY BUILDING TYPICAL FLOOR PLAN

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## Management Room (500 sq. ft.)

### Arts

a) Smart classroom (1)- 100 sq. ft. b) Language lab. (1)- 1000 sq. ft., c) Departments

### Principals Cabin

### Commerce

a) Smart classrooms (1)- 1500 sq. ft. b) Commerce Lab (1)- 1500 sq. ft., c) Departmental cabin OR Faculty room(1)- 500 sq. ft.

### Science

Science Building (in form of new classrooms & laboratories)

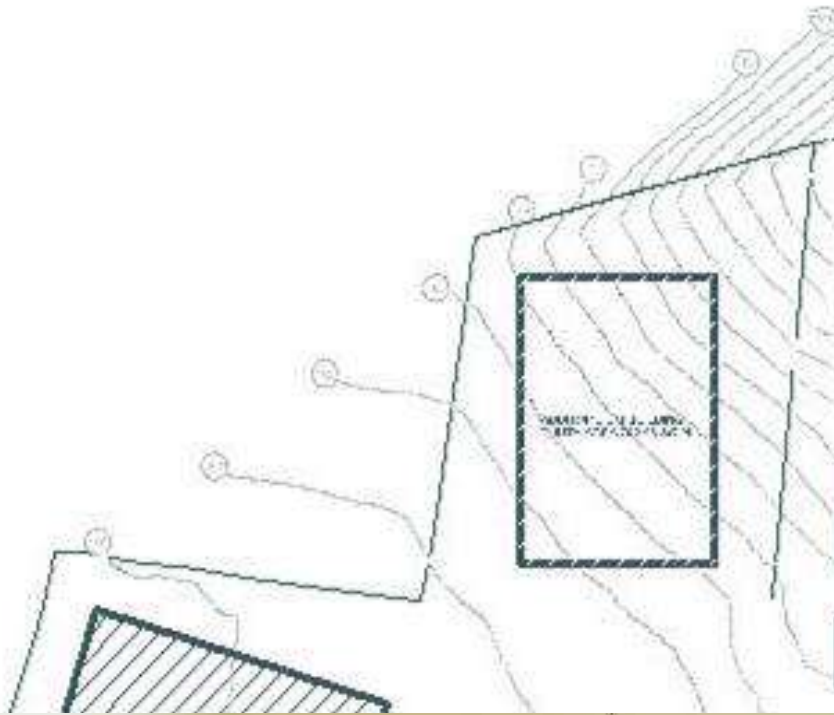
#### Classrooms-

F.Y. B. Sc.- 2 large (120 students capacity) Area 1500 sq. ft.  
S.Y.B.Sc.- 3 large (120 students capacity) Area 1500 sq.ft.  
T.Y.B.Sc.- 5 small (40 students capacity) Area 1000 sq.ft.

#### Additional Laboratories-

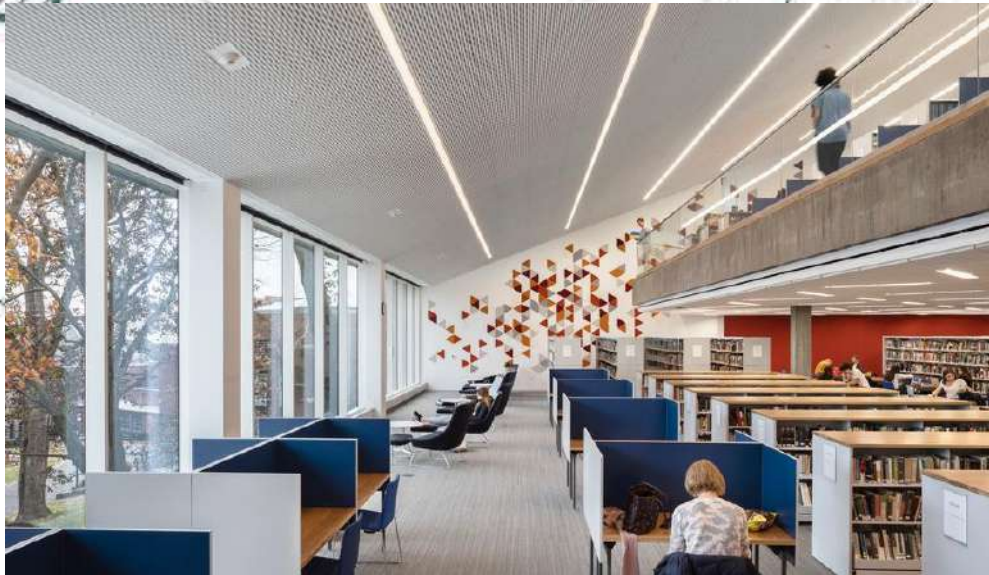
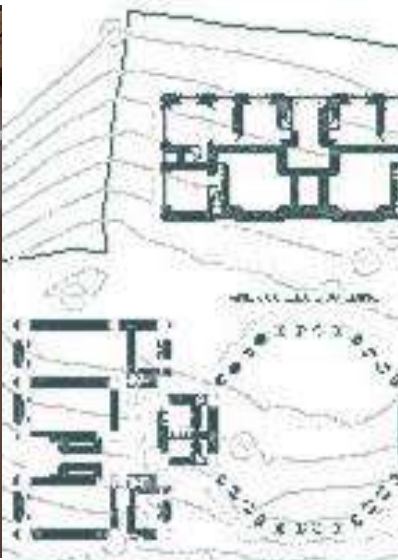
Botany (2 labs)  
Zoology (2 labs)  
Chemistry (3 labs+1 Instruments Room)  
Mathematics (1 computer lab of 20 students capacity): 2000 sq. ft.





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READING ROOM

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**Physics**



**Chemistry**



**Biology**

LABORATORIES

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SMART CLASSROOM

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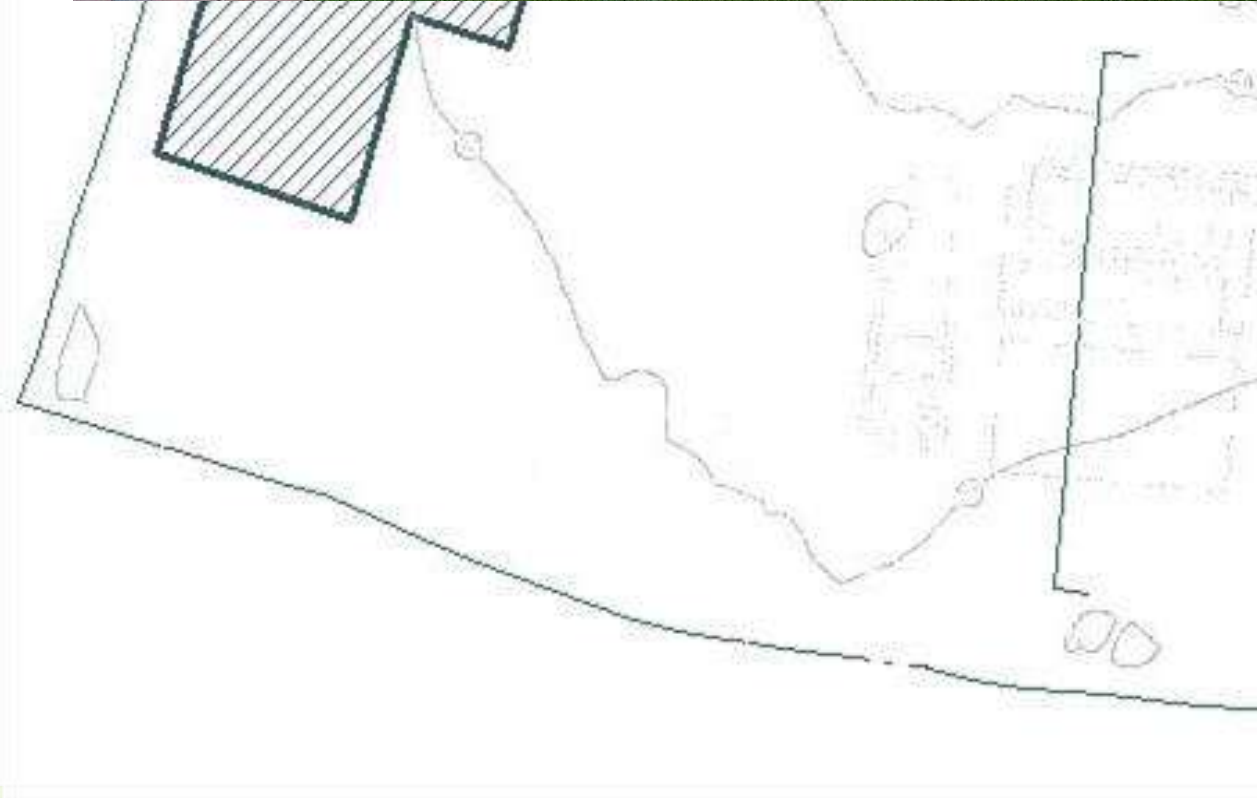
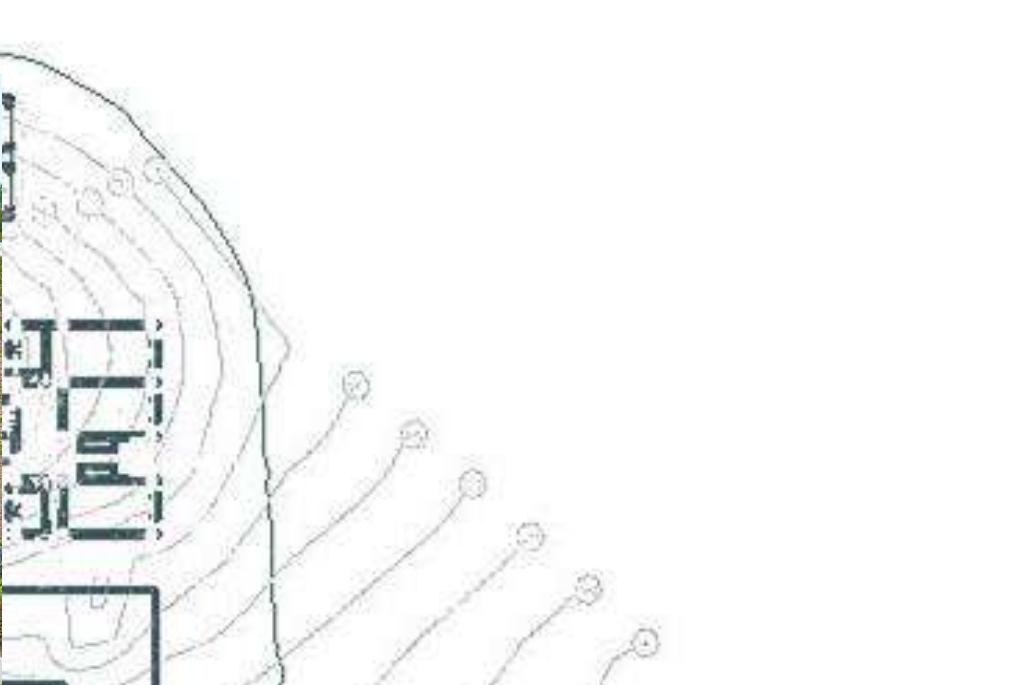




CONFERENCE ROOM

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STUDENT'S HEALTH CENTRE

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SPORTS FACILITY

a p r i l 2 0 2 2





SPORTS FACILITY



a p r i l 2 0 2 2





AUDITORIUM

a p r i l 2 0 2 2





OPEN AIR CONGREGATION

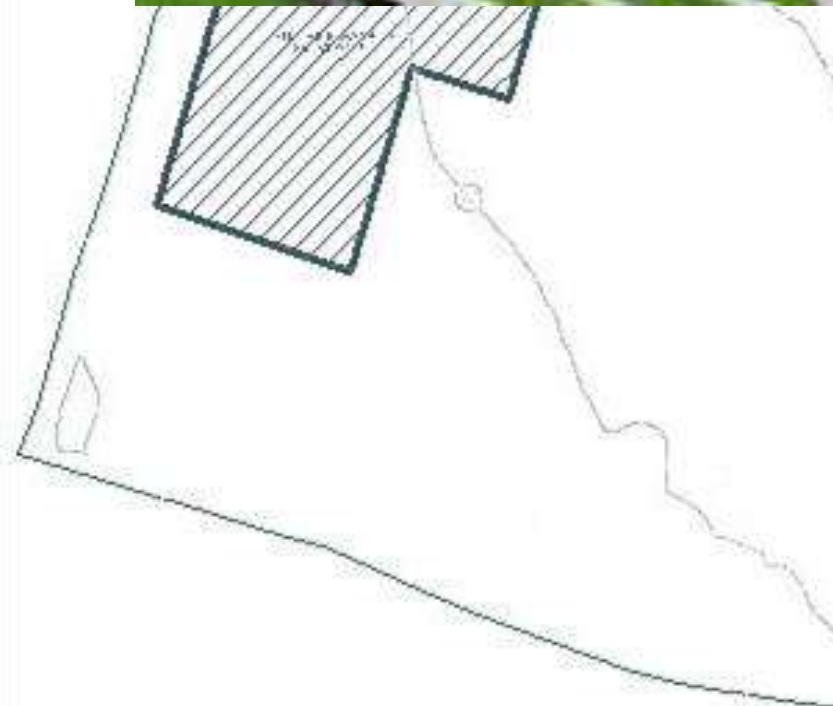
design consultants



spacecraft

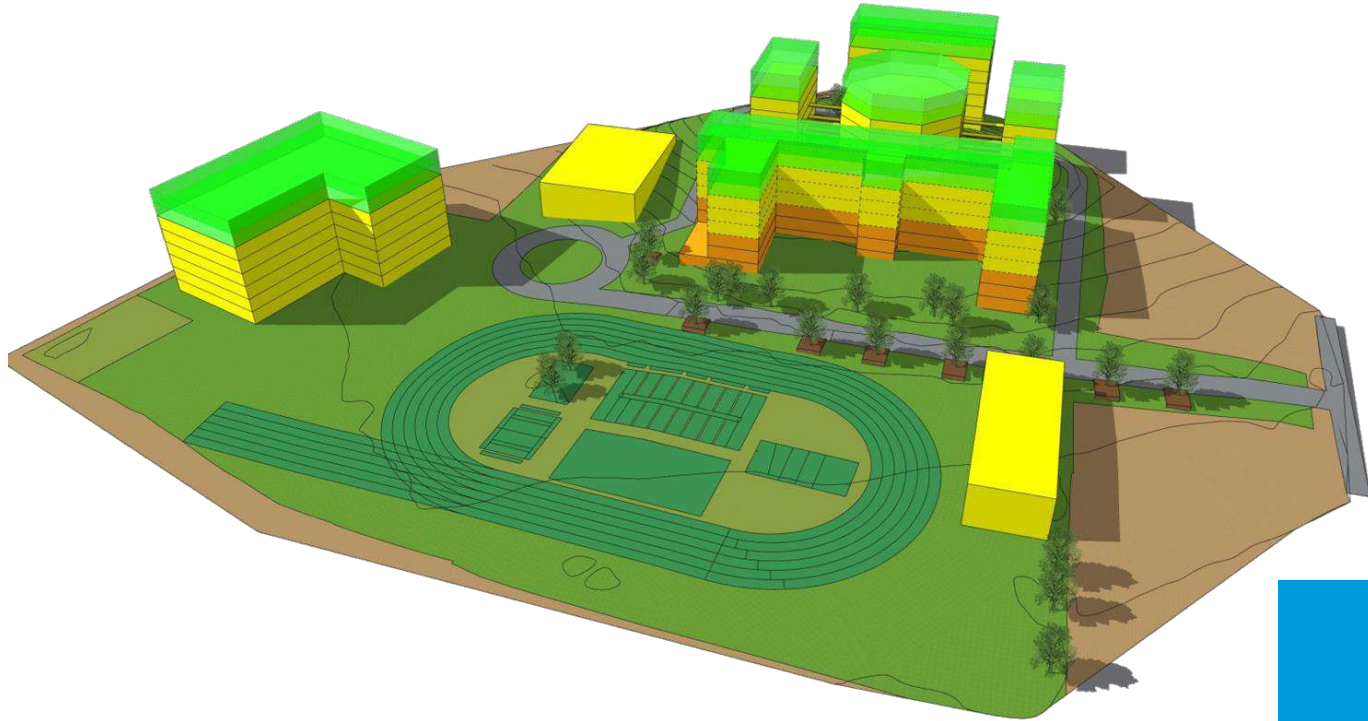
ec solutions





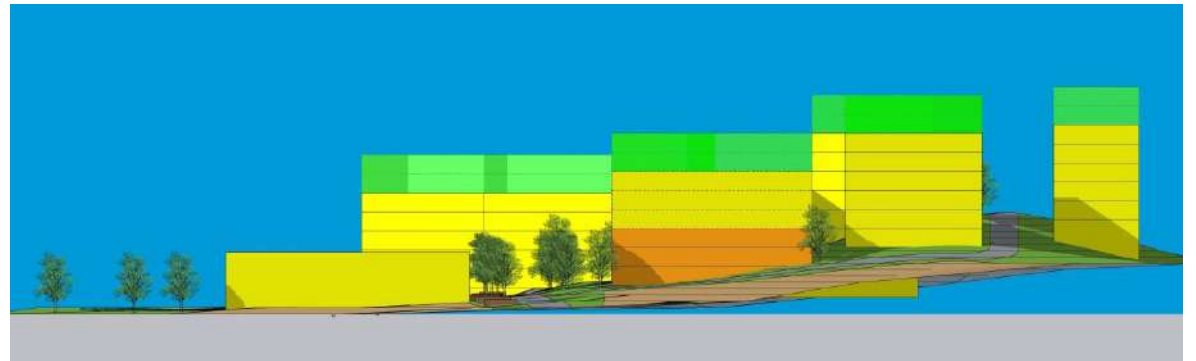
a p r i l 2 0 2 2



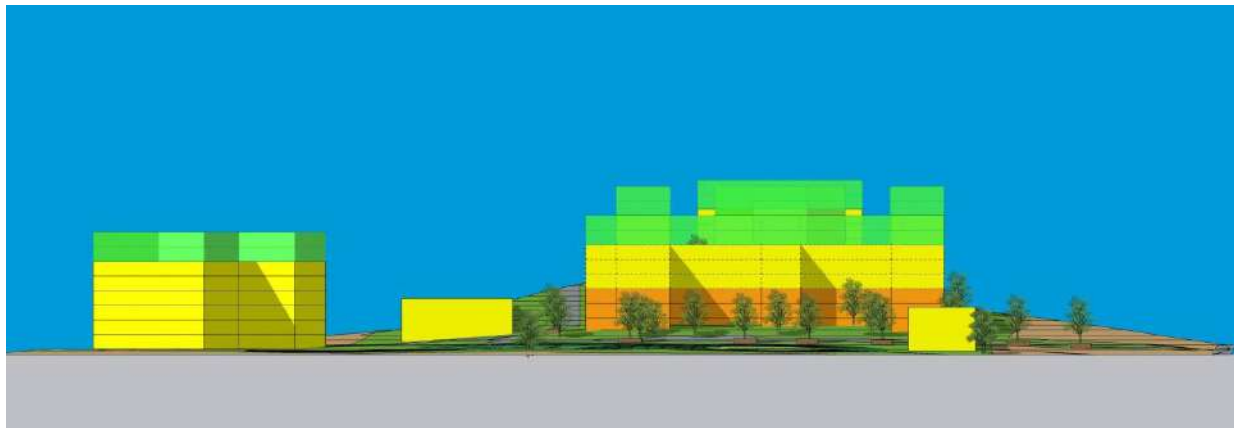


**LEGEND :**

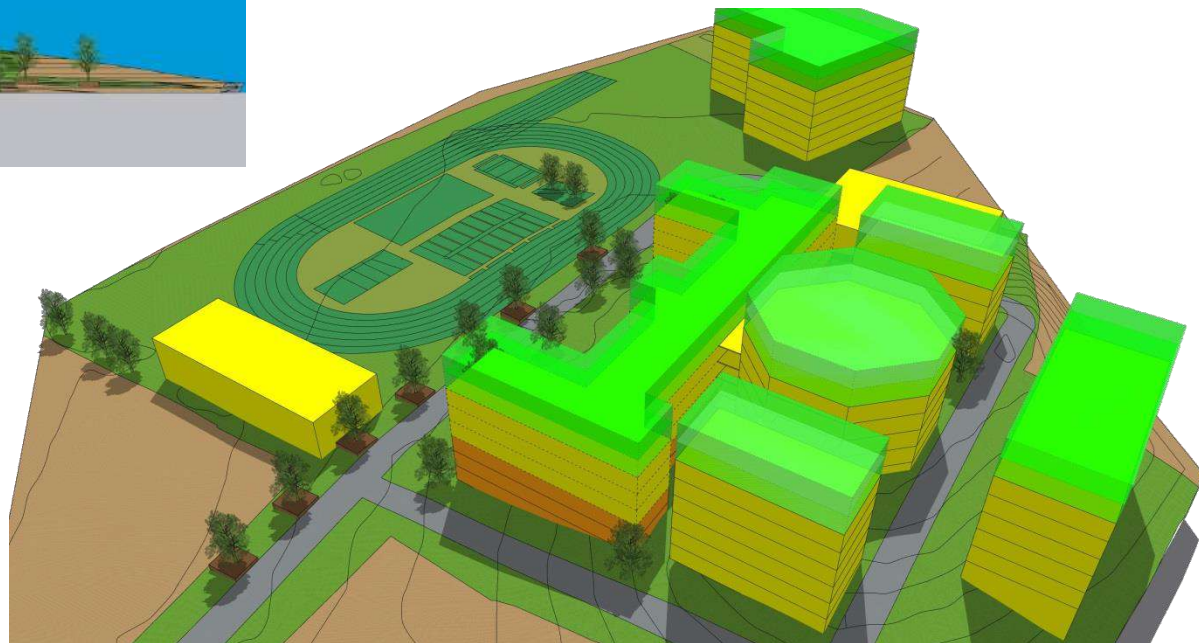
- Existing Floors
- Proposed Floors
- Permissible Floors



**Road Side Elevation**



**Front Elevation**

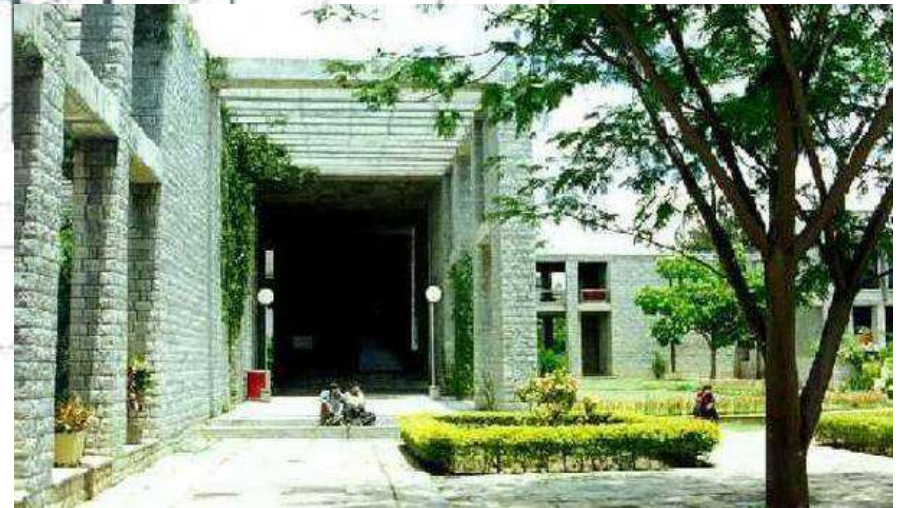






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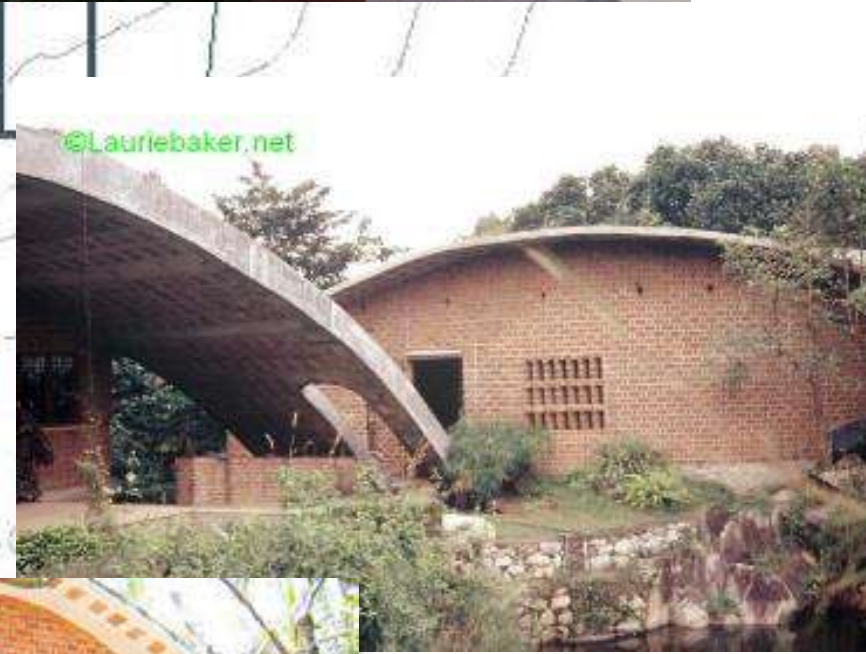
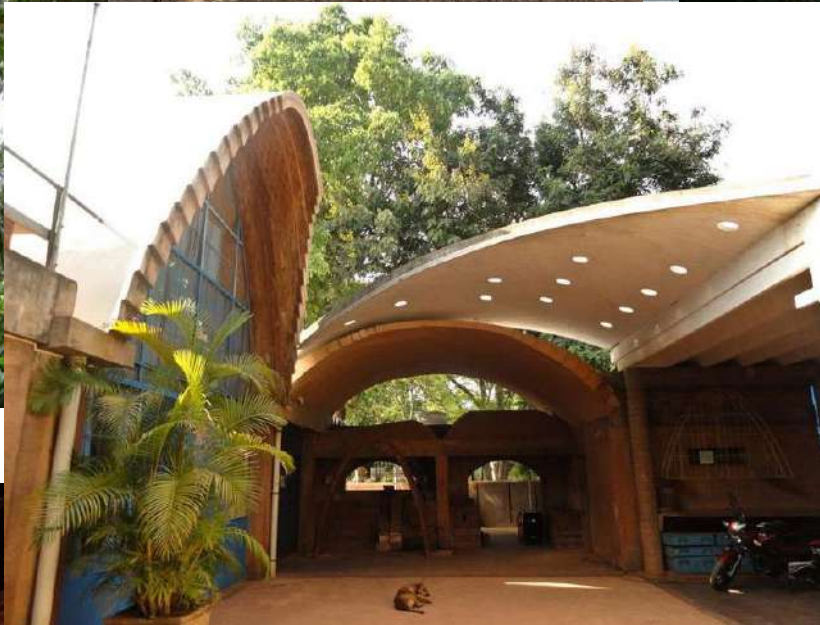




AR. B.V. DOSHI

a p r i l 2 0 2 2



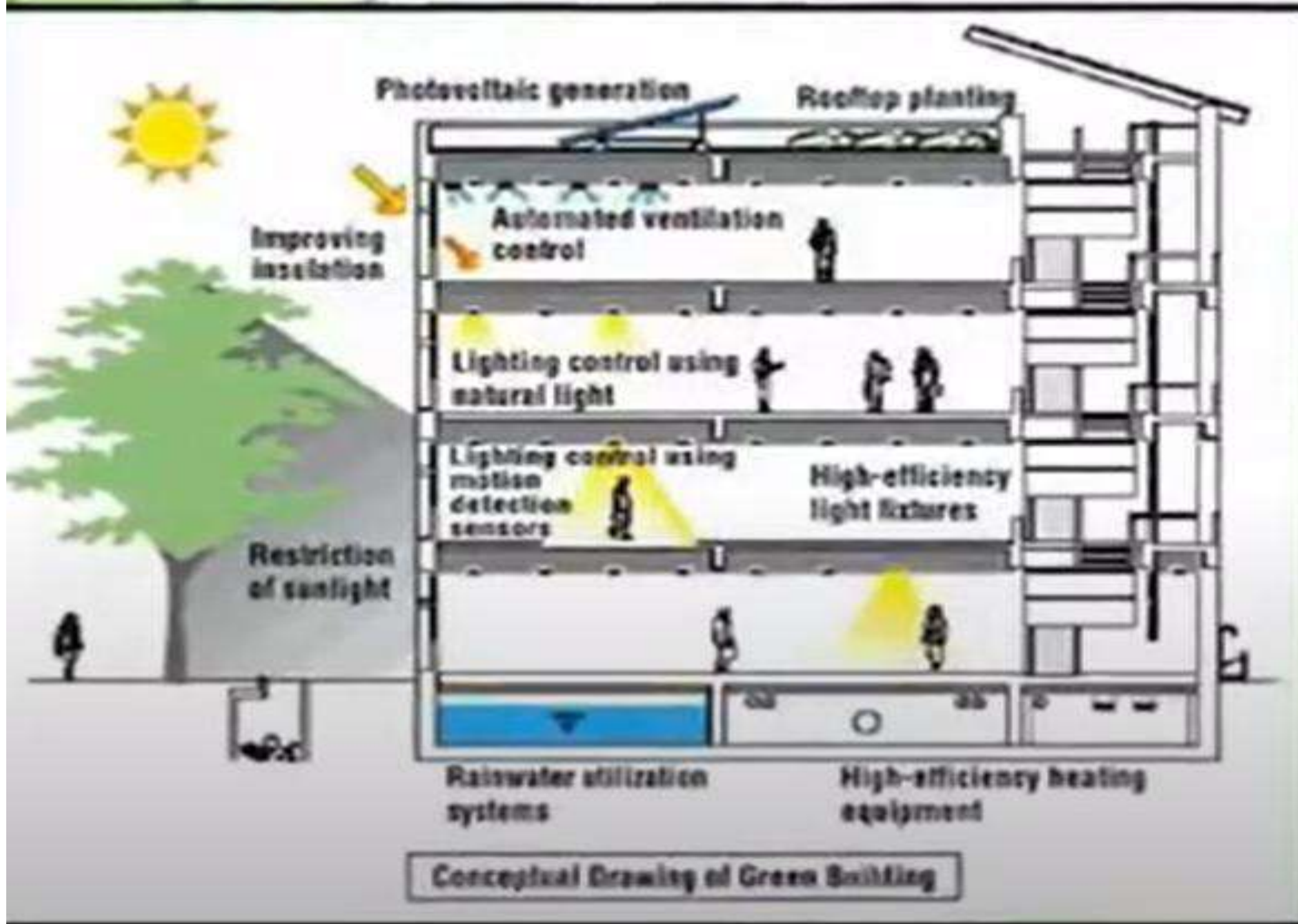


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# GREEN BUILDING

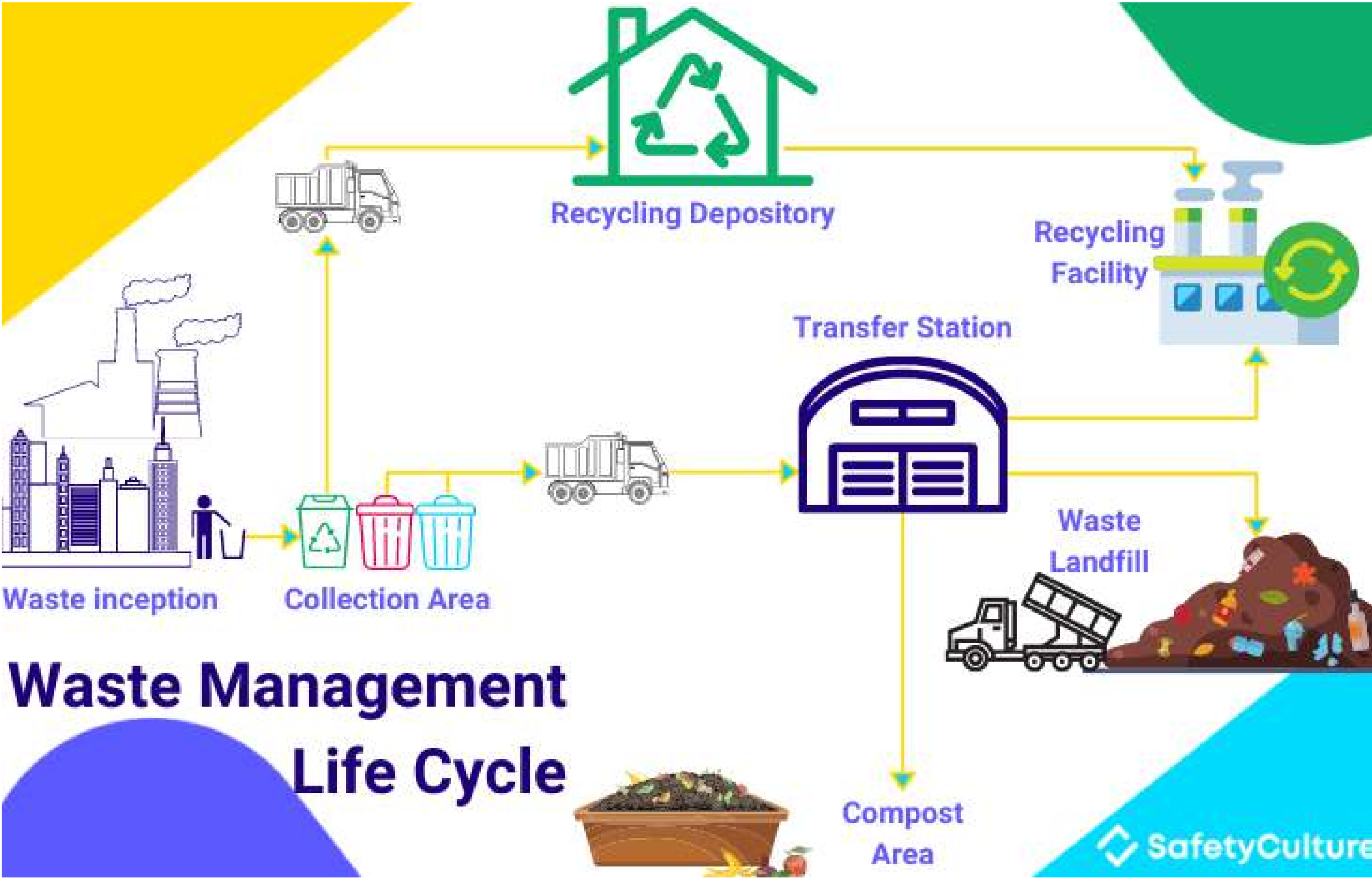
F.B/SURVEYING & ENGINEERING DESINING INFORMATION



CLIMATE RESPONSIVE DESIGN

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# Waste Management Life Cycle

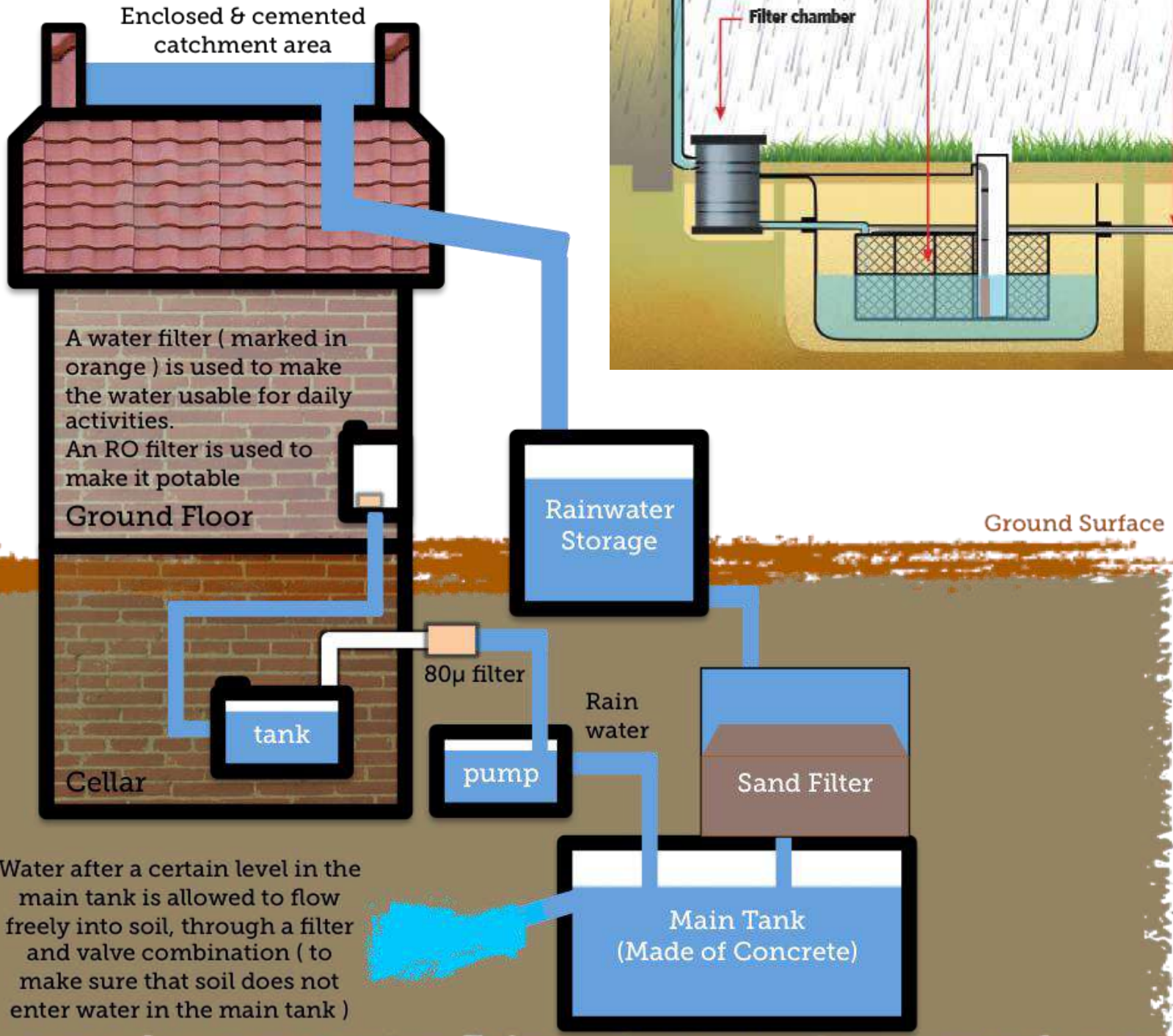
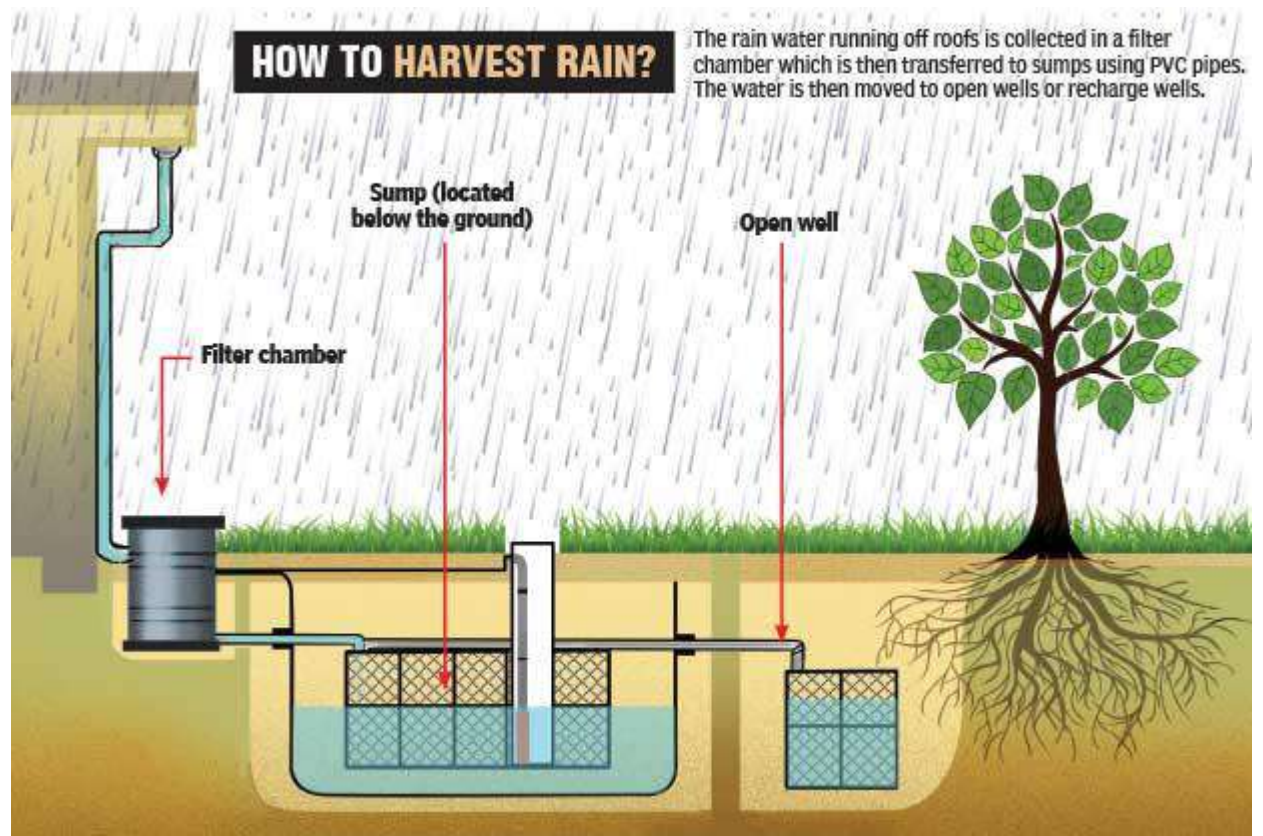
SafetyCulture

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### HOW TO HARVEST RAIN?

The rain water running off roofs is collected in a filter chamber which is then transferred to sumps using PVC pipes. The water is then moved to open wells or recharge wells.

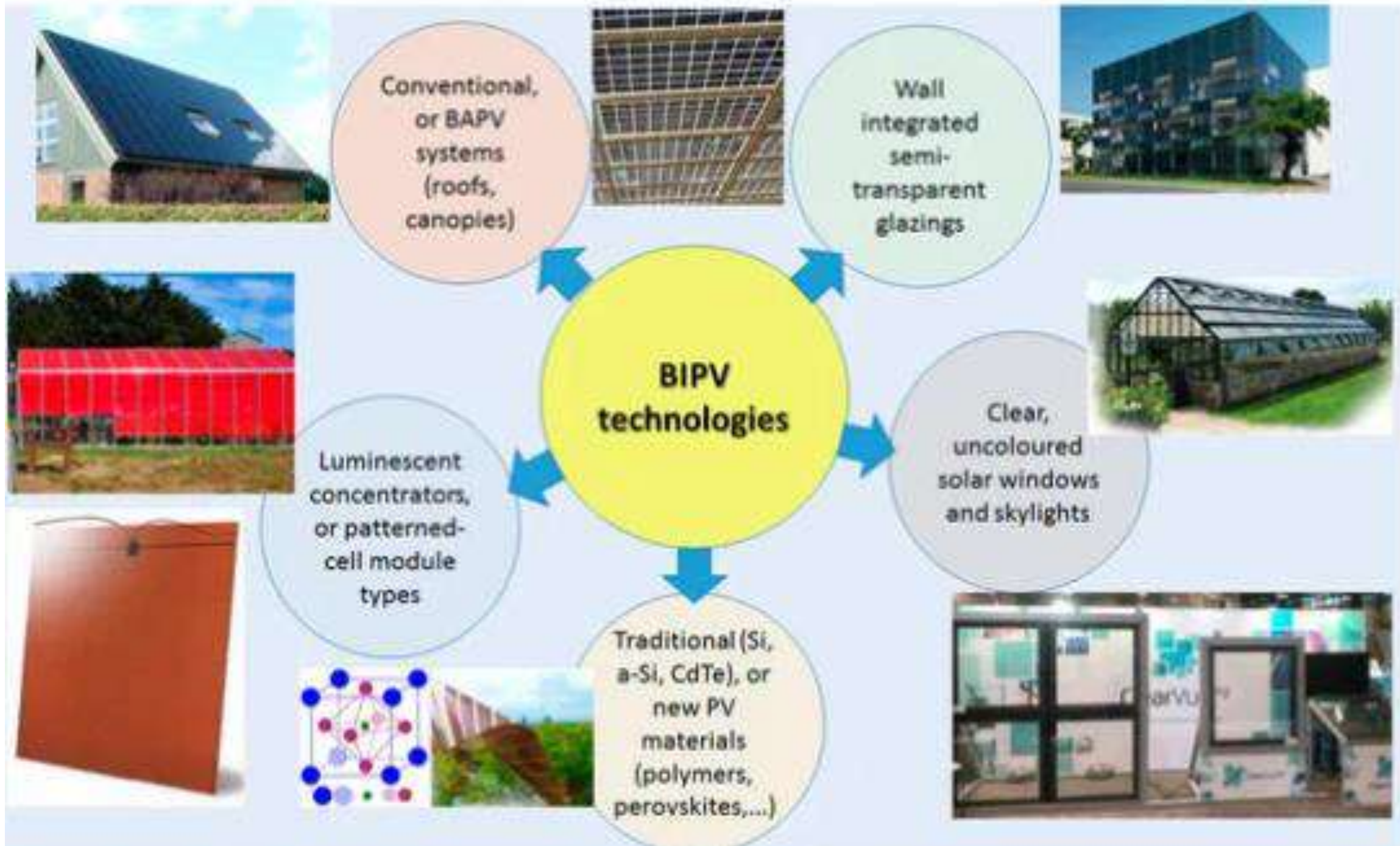


Water after a certain level in the main tank is allowed to flow freely into soil, through a filter and valve combination ( to make sure that soil does not enter water in the main tank )

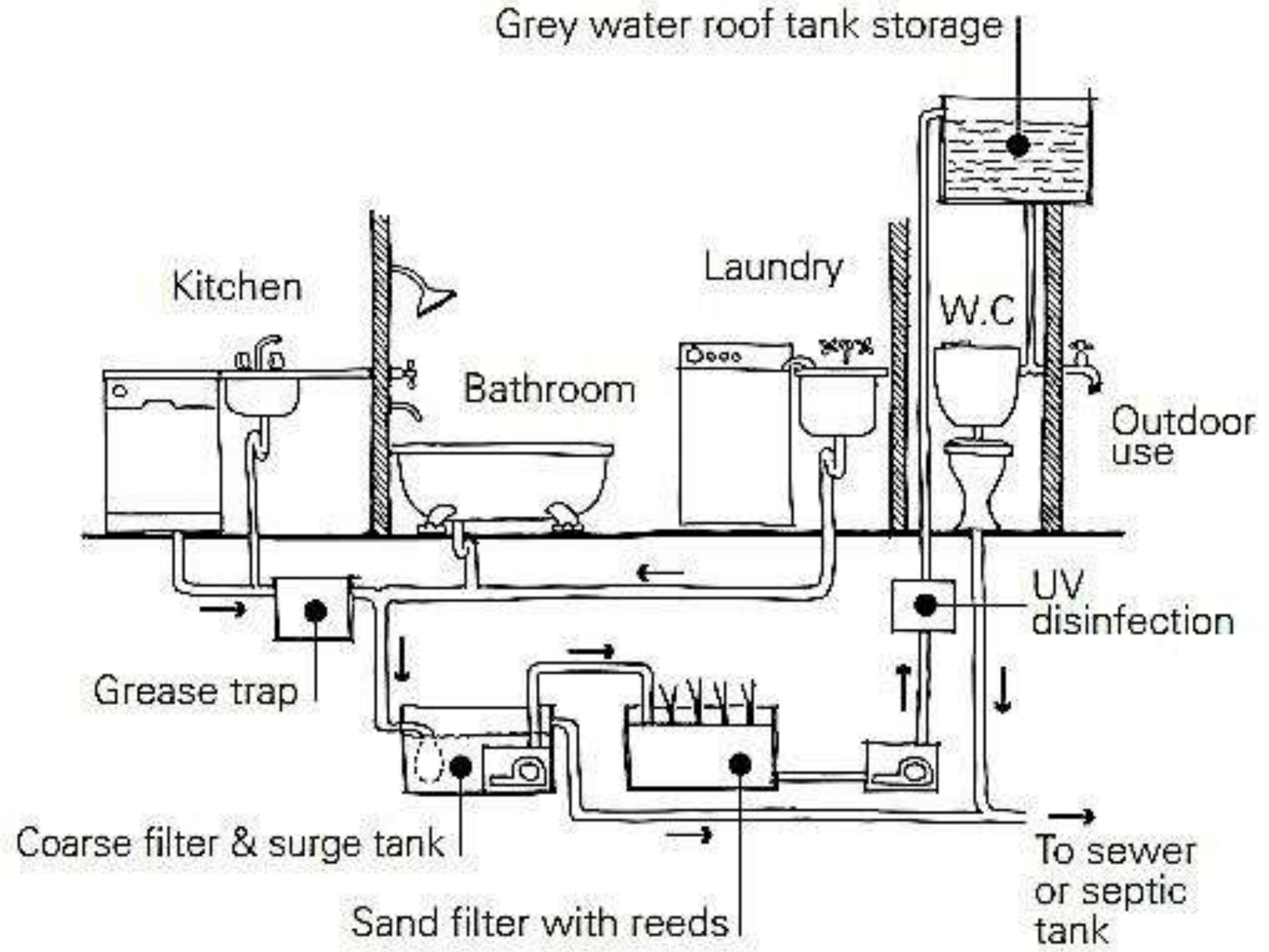
Soil

a p r i l 2 0 2 2



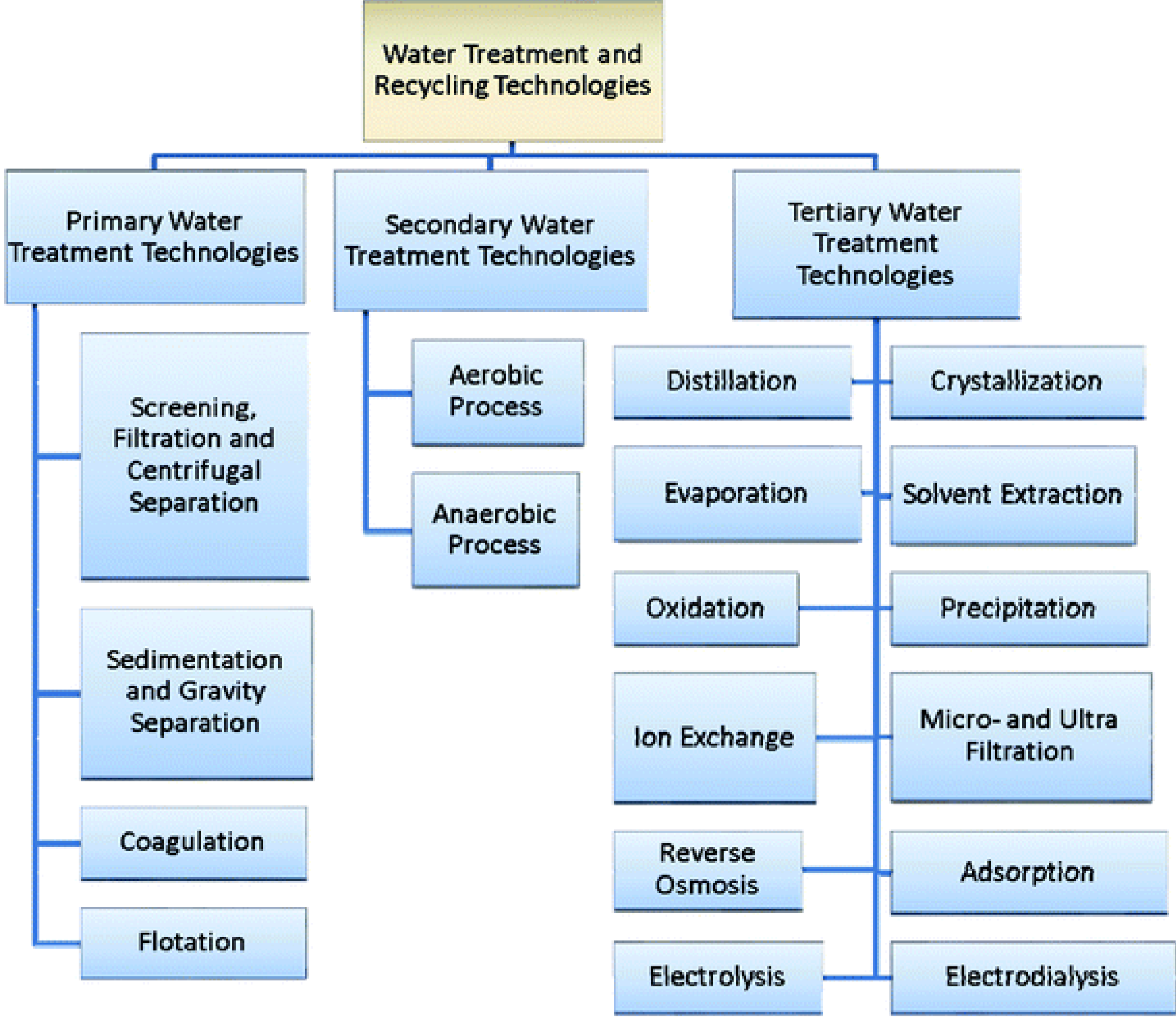






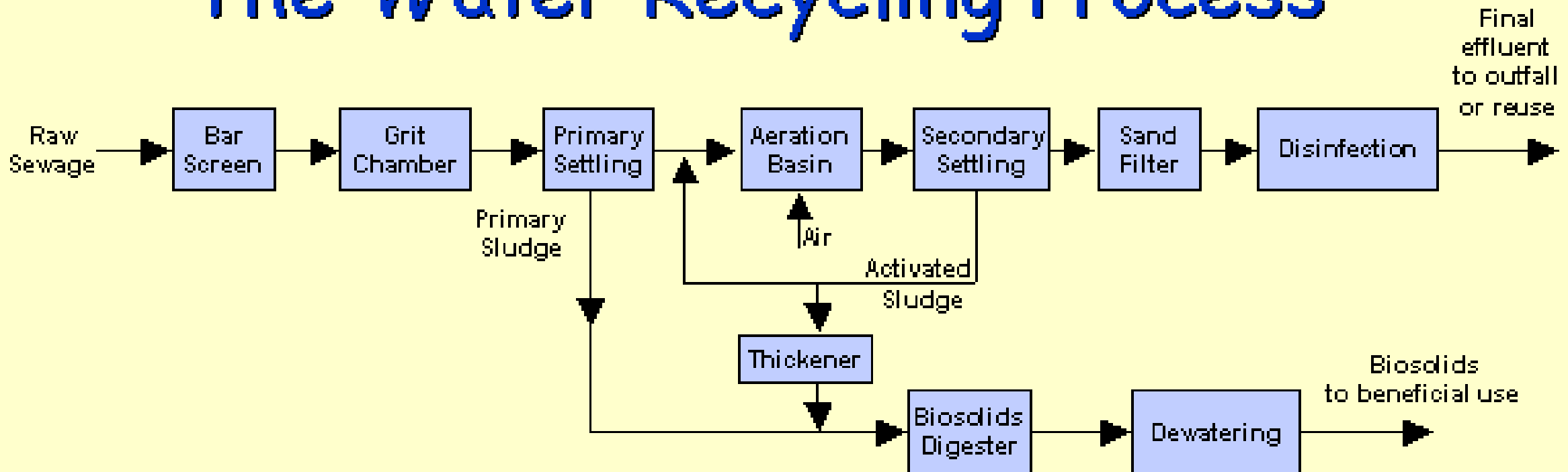
Grey water collection, treatment and re-use for toilet flushing and outdoors



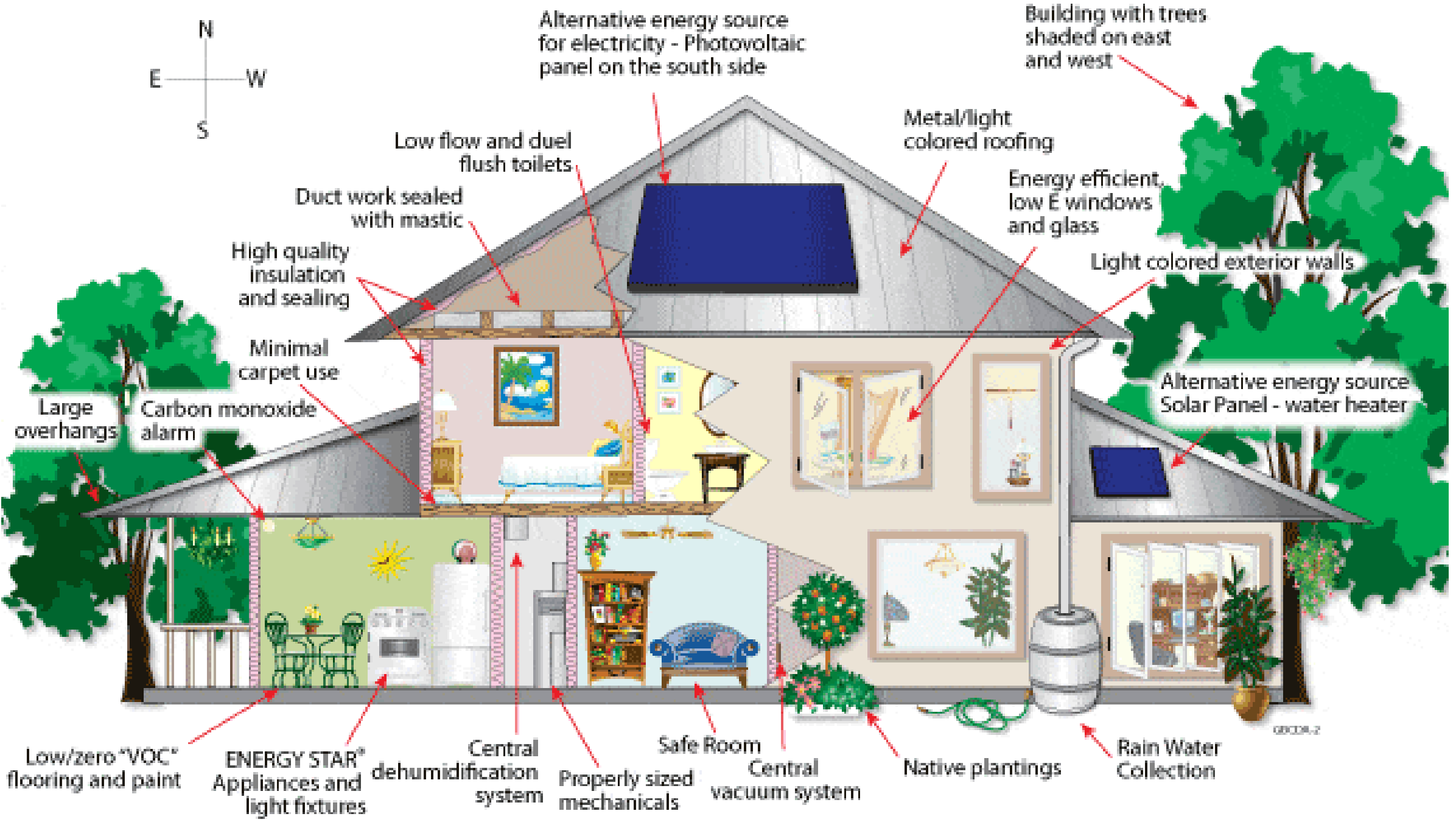




# The Water Recycling Process

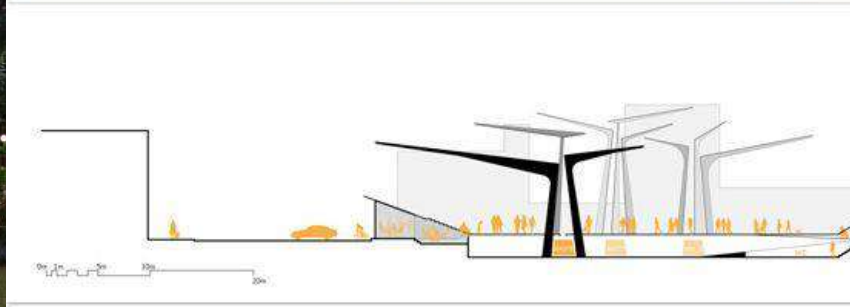
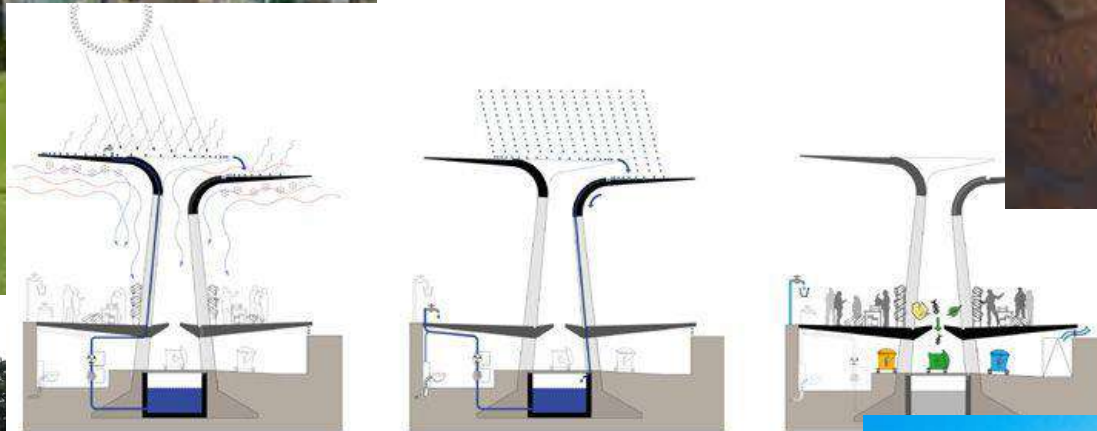






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# New Education Society's Arts, Commerce & Science College, Lanja



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