



CULINARY ARTS CENTER AT GDA
 A PORTAL TO COASTAL CULINARY DELIGHTS...

SITE PLAN
 SCALE 1:500

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 EXAM NUMBER: 2013029
 SUBJECT: ARCHITECTURAL DESIGN II
 SEMESTER: FIFTH YEAR LEVAGE
 COLLEGE: DAH SCHOOL OF ARCHITECTURE, GADGD

SHEET NUMBER:

LEGEND

- ④ FIRE HYDRANTS
- WATER SUPPLY
- DRAINAGE
- GAS SUPPLY
- HVAC SYSTEM
- ELECTRICAL SYSTEM

CALCULATION:
 A. WATER SUPPLY
 UNDERGROUND WATER TANK
 RESTAURANT = 70 L/DAY/SEAT
 FOR 400 PEOPLE DAILY 28000L REQUIRED
 CONVENTION CENTER = 15 L/DAY/SEAT
 FOR 340 PEOPLE DAILY 5100 L REQUIRED
 TRAINING CENTER = 40L/DAY/BED
 FOR 40 PEOPLE DAILY 7200 REQUIRED
 TOTAL = 40300 L/DAY
 = 40.3 CUM.
 STORAGE AREA PROVIDED FOR 2 DAYS
 STORAGE OF WATER TANK
 DIMENSIONS OF EACH WATER TANK =
 8000X5600X1800 CU. M
 OVERHEAD WATER TANK:
 CAPACITY = 0.5X OHT
 = 5000X4500X1800 CU. M
 PROVIDED : 1 UGT OF CAPACITY =
 8000X5600X1800 CU.M.
 2 OHT OF CAPACITY =
 6313X9180X1300 CU.M.
 1 UGT FOR LANDSCAPE AND WATER
 BODY OF CAPACITY= 3900X8000X1800 CU.M.

SEWAGE COLLECTION TANK
 SEWAGE TREATMENT PLANT
 CLEAN WATER COLLECTION TANK
 UGT FOR LANDSCAPE AND WATER BODIES

WATER SPRINKLERS
 WATER SPRINKLERS

OVERHEAD WATER TANK
 DISTRIBUTION BOARD ROOM

OVERHEAD WATER TANK

A.H.U. ROOM
 GAS STORAGE ROOM

TRANSFORMER ROOM

UGT FIRE WATER TANK

WATER METER

WATER SUPPLY LINE

ELECTRICITY SUPPLY LINE

WATER SPRINKLERS

WATER SPRINKLERS

WATER SPRINKLERS