SK EDUCATIONAL PRODUCT

70

ROAD 24 METERS

± 00 LVL.MM

105.000

ENTRY

EXIT

GAURD RM

OPEN TRANSFORMER 1250kVA 4–NOS. 20.960

29.938

29.938

PLOT LINE

BASEMENT BELOW

LVL +450 MM

6000 MM WIDE DRIVE WAY

15000 MM FRONT SETBACK LINE

9000 MM SIDE SETBACK LINE

BLOCK-H

BLOCK-G

FUTURE EXPANSION

6000 MM WIDE ROAD FOR FIRE TENDER

RAMP DN FROM LAWN LVL SLOPE 1/10

STP BELOW

6000 MM SIDE SETBACK LINE

BASEMENT LINE

6000 MM WIDE DRIVE WAY

150.350

FUTURE EXPANSION

GREEN AREA

BLOCK-F

BLOCK-E

BLOCK-D

BLOCK-C

BLOCK-A

RAMP UP TO LAWN LVL SLOPE 1/10

UNDER GROUND WATER TANK FLUSH TO GROUND LVL.

9000 MM REAR SETBACK LINE

PLOT LINE

BASEMENT BELOW

ROAD 60 METERS

RAIN WATER CALCULATION

1. THE DESIGN CALCULATIONS FOR STORM WATER DRAINAGE
2. AND RAIN WATER HARVESTING PIT AREAS FOLLOWS.
3. DESIGN BASIS FOR STORM WATER DRAINAGE SYSTEM.

RUN OFF DISCHARGE

Q = 1/3.6 x

WHERE,

Q = RUNOFF DISCHARGE IN CUBIC METERS PER HOUR

C = COEFFICIENT OF RUNOFF/RUNOFF FACTOR OF DIFFERENT

I = INTENSITY OF RAINFALL

= TAKING 250MM/HR AS DESIGNED

A = TOTAL CATCHMENT AREA IN SQ.KM.

CALCULATION OF RUN OFF/WATER MEASUREMENT

RAIN WATER HARVESTING CALCULATION

TOTAL SITE AREA=

RAIN WATER HARVESTING CALCULATION

RAIN WATER HARVESTING CALCULATION

VOLUME OF STORM WATER

VOLUME OF RAIN WATER HARVESTING PIT

LEGEND

	CATCH BASIN
	STORM WATER MANHOLE
	STORM WATER PIPE
	DRAIN CHANNEL

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

SUBMISSION DRAWING

PROJECT :
GROUP HOUSING(GC-2 AT GAUR CITY)PLOT NO - GH - 01, SECTOR - 4 GREATER NOIDA

CLIENT :
AIG INFRATECH INDIA PVT. LTD.

SHEET TITLE :
SURFACE WATER DRAINAGE LAYOUT

DATE :	DRG.NO :
06.12.13	PL-4
SCALE : 1:400	NORTH : N

OWNER'S SIGN

ARCHITECT'S SIGN

ARCHITECTS:
SPACE DESIGN GROUP
W-139, F.F GREATER KAILASH-I, NEW DELHI -48
PH: 011-29240732 , 41631265
EMAIL :spacedesigngroup@rediffmail.com/ gmail.com

AIG INFRATECH (INDIA) PVT. LTD.

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