



NOTE:-
 300 Ø STORM WATER DRAIN (1:350 GRADIENT)
 1500 Ø STORM WATER DRAIN (1:200 GRADIENT)

Greater Noida Industrial Dev. Authority
APPROVED
 24-3-2012
 24-3-2012 Dated. 24-3-2012
 Gen. Manager (Png. & Arch.)
 Drawing Checked & Verified By
 En. En. (Png.)

AREA CALCULATIONS:-
 TOTAL PLOT AREA = 33941.79 sqm
 NUMBER OF DWELLING UNITS = 1050
 TOTAL POPULATIONS = 5193 PERSONS

STORM WATER DRAIN:- SIZE - 0.3 x 0.23 m
 $A = 0.3 \times 0.23 = 0.069 \text{ m}$
 $P = 2 \times 0.23 + 0.3 = 0.76 \text{ m}$
 $m^2_s = \frac{A}{P} = \frac{0.069}{0.76} = 0.090789$
 $v = 1.49 \times m^2_s \times 3.28 = \frac{1.49 \times 0.090789 \times 3.28}{0.015} = 0.602 \text{ m/sec.}$
 $cv = 0.069 \times 0.602 = 0.0415 \text{ m}^3/\text{sec.}$
 $= 1.47 \text{ cu/sec}$

SIGNING AUTHORITY

For Capital Infratech PVT. LTD.
 Architects Sign

PANKAJ NATH ANDLEY
 B. ARCH. A.I.I.A.
 ARCHITECT CA/90/24866

SUBMISSION DRAWING
 PROJECT:-
GROUP HOUSING FOR M/s. CAPITAL INFRA TECH HOMES PVT. LTD.
 PLOT NO. GH-12A-2, SECTOR-1, GREATER NOIDA. (U.P.)

DRG. TITLE:-
 SERVICE PLAN (SHOWING S.W.D LINE)
 RAIN WATER HARVESTING

SCALE:- 1:100
 DLT. BY:-
 DRG. NO. 23
 DATE:- 18/12/2012

ARCHITECTS:-
 P. N. ANDLEY B. ARCH. A.I.I.A.
ANDLEYS ASSOCIATES PVT. LTD.
 ARCHITECTS ENGINEERS PLANNERS
 39 HOUSING SOCIETY N.D.S.E.-1 NEW DELHI - 110049