



CALCULATIONS :

1. DOMESTIC WATER REQUIREMENT
TOTAL NO. OF UNITS=616
TOTAL OCCUPANCY @4.5 PERSONS/UNIT= 2772 PERSONS
DOMESTIC WATER REQUIREMENT@105 LTS/PERSON = 2,91,060 LPD
BACKWASH WATER REQUIREMENT FOR FILTER = 30,000 LPD
TOTAL DOMESTIC WATER REQUIREMENT = 3,21,060 LPD
SAY = 3,30,000 LPD
2. FLUSHING WATER REQUIREMENT
TOTAL NO. OF UNITS=616
TOTAL OCCUPANCY @4.5 PERSONS/UNIT= 2772 PERSONS
FLUSHING WATER REQUIREMENT@45 LTS/PERSON = 1,24,740 LPD
SAY TOTAL FLUSHING WATER REQUIREMENT = 1,30,000 LPD
TOTAL WATER REQUIREMENT(DOMESTIC+FLUSHING) = 4,50,000 LPD

NOTES :

1. THE SIZE OF MANHOLE SHALL BE AS UNDER (INNER SIZES)
 - a) UPTO 900 M.M. DEPTH 600 X 600 M.M.
 - b) 900 TO 1650 M.M. DEPTH 900 M.M. DIA.
 - c) 1650 TO 2250 M.M. DEPTH 1200 M.M. DIA.
 - d) ABOVE 2250 M.M. DEPTH 1500 M.M. DIA.
2. M. S. RUNGS SHALL BE PROVIDED IN EACH MANHOLE WHICH IS DEEPER THAN 800 M.M.
3. FOR ANY DESCRIPCENCY / OMISSION THE MATTER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION.
4. MANHOLE SHALL BE PROVIDED AT FOLLOWING PLACES :-
 - a) AT THE START OF EACH SEWER LINE.
 - b) AT EVERY JUNCTION AND POSITION WHERE THERE IS CHANGE OF SIZE, GRADIENT AND ALIGNMENT.
 - c) AT NOT MORE THAN 45 METER INTERVAL IN STRAIGHT LENGTH.
5. SEWER LINE UNDER THE ROAD SHALL BE ENCASED WITH 150 TH, PCC 1:2:4 ALLROUND.
6. MANHOLE COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AS PER LANDSCAPE DRAWING.
7. THIS DRAWING SHALL BE COORDINATED WITH OTHER DRAWING I.e. ARCHITECTURE, STRUCTURAL, ELECTRICAL, LANDSCAPE & OTHER RELEVANT DRAWING.
8. MATERIAL OF PIPE :- RCC (NP 2) PIPE

LEGEND

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| | 80ØFLUSHING WATER SUPPLY RING MAIN |
| | 100ØCOLD WATER SUPPLY RING MAIN |

| SERVICE DRAWING | |
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| PROJECT | PROPOSED GROUP HOUSING AT PLOT NO. GH - 16 - D, SECTOR-01, G. NOIDA, U.P. |
| CLIENT | ALPINE INFRA PROJECTS PVT.LTD. |
| SHEET TITLE | SITE PLAN DOMESTIC & FLUSHING WATER SUPPLY |
| DATE | 25-03-18 |
| SCALE | 1:400 |
| OWNER'S SIGN | ARCHITECT'S SIGN |
| ARCHITECTS SPACE DESIGN GROUP W-108, F.F. GREATER KALASHI, NEW DELHI - 48 PIN-011-2840702, 4103006 EMAIL: spacedesigngroup@rediffmail.com gmail.com | |