







| GROUND FLOOR AREA CALCULATION                                   |                  |                  |      |                |
|-----------------------------------------------------------------|------------------|------------------|------|----------------|
| <b>TOTAL AREA</b>                                               |                  |                  |      |                |
| S.NO.                                                           | Dimension<br>(M) | Dimension<br>(M) | NOS. | AREA<br>(SQ.M) |
| 01                                                              | 35.100           | 27.700           | 1    | 972.270        |
| <b>TOTAL ENVELOPE AREA (A)</b>                                  |                  |                  |      | <b>972.270</b> |
|                                                                 |                  |                  |      |                |
| <b>DUCTION AREA</b>                                             |                  |                  |      |                |
| S.NO.                                                           | Dimension<br>(M) | Dimension<br>(M) | NOS. | AREA<br>(SQ.M) |
| D1                                                              | 1.500            | 20.800           | 1    | 31.200         |
| D2                                                              | 9.700            | 18.900           | 1    | 183.330        |
| D3                                                              | 1.400            | 3.400            | 1    | 4.760          |
| <b>TOTAL ENVELOPE AREA (B)</b>                                  |                  |                  |      | <b>219.290</b> |
|                                                                 |                  |                  |      |                |
| <b>15% SERVICES AREA (FIRE STAIR CASE LIFT LOBBY AND SHAFT)</b> |                  |                  |      |                |
| S.NO.                                                           | Dimension<br>(M) | Dimension<br>(M) | NOS. | AREA<br>(SQ.M) |
| F1                                                              | 3.600            | 6.300            | 1    | 22.680         |
| S1                                                              | 0.800            | 3.000            | 1    | 2.400          |
| S2                                                              | 1.100            | 1.200            | 1    | 1.320          |
| S3                                                              | 2.400            | 5.400            | 1    | 12.960         |
| S4                                                              | 1.265            | 0.400            | 1    | 0.506          |
| <b>TOTAL ENVELOPE AREA (C)</b>                                  |                  |                  |      | <b>39.866</b>  |
|                                                                 |                  |                  |      |                |
| <b>TOTAL F.A.R. GROUND FLOOR ( A-B-C)</b>                       |                  |                  |      | <b>713.114</b> |
| <b>15% SERVICES AREA GROUND FLOOR (C)</b>                       |                  |                  |      | <b>39.866</b>  |

| LEGEND :- |                              |                                                                                       |
|-----------|------------------------------|---------------------------------------------------------------------------------------|
| S.No.     | DESCRIPTION                  | SYMBOL                                                                                |
| 1.        | SEWER LINE                   |  |
| 2.        | ETP WASTE LINE               |  |
| 3.        | RAIN WATER PIPE              |  |
| 4.        | DOMESTIC WATER RISER PIPE    |  |
| 5.        | FLUSHING WATER RISER PIPE    |  |
| 6.        | DRAIN CHANNEL                |  |
| 7.        | GARDEN HYDRANT               |  |
| 8.        | BORE WELL                    |  |
| 9.        | MANHOLE SEWER                |  |
| 10.       | CIRCULAR SEWER MANHOLE       |  |
| 11.       | ETP WASTE MANHOLE            |  |
| 12.       | CIRCULAR ETP WASTE MANHOLE   |  |
| 13.       | CATCH BASIN FOR (RAIN WATER) |  |
| 14.       | STORM WATER MANHOLE          |  |

| DOOR WINDOW SCHEDULE |      |      |
|----------------------|------|------|
| RS                   | 2100 | 3000 |
| RS1                  | 2450 | 3000 |
| RS2                  | 4750 | 3000 |
| RS3                  | 5200 | 3000 |
| RS4                  | 1785 | 3000 |
| RS5                  | 2085 | 3000 |
| RS6                  | 2000 | 3000 |
| RS7                  | 2225 | 3000 |
| RS8                  | 1925 | 3000 |
| RS9                  | 2100 | 3000 |
| RS10                 | 2400 | 3000 |
| RS11                 | 5100 | 3000 |
| RS12                 | 1500 | 3000 |
| RS16                 | 1650 | 3000 |
| RS17                 | 1850 | 3000 |
| RS18                 | 1900 | 3000 |
| RS19                 | 2600 | 3000 |
| FD                   | 1500 | 2400 |
| D1                   | 1000 | 2100 |
| D2                   | 750  | 2100 |
| DW                   | 2150 | 2100 |

WAC CONSULTANT:

 **WAC Engineers  
INDIA PVT. LTD.**  
MEP Consultants & Project Managers  
B-78, Sector-6, Noida, UP-201301  
Ph.: 0120-4504693, E-mail: [wac@wacmep.com](mailto:wac@wacmep.com)

For Green Projects LLP  
Designated Partner  
OWNER'S SIGN

**GIAN P. MATHUR**  
**ARCHITECT**  
**B. Arch..M.C.A..A.I.A.**  
**CA No 80/5769**

ARCHITECT'S SIGN

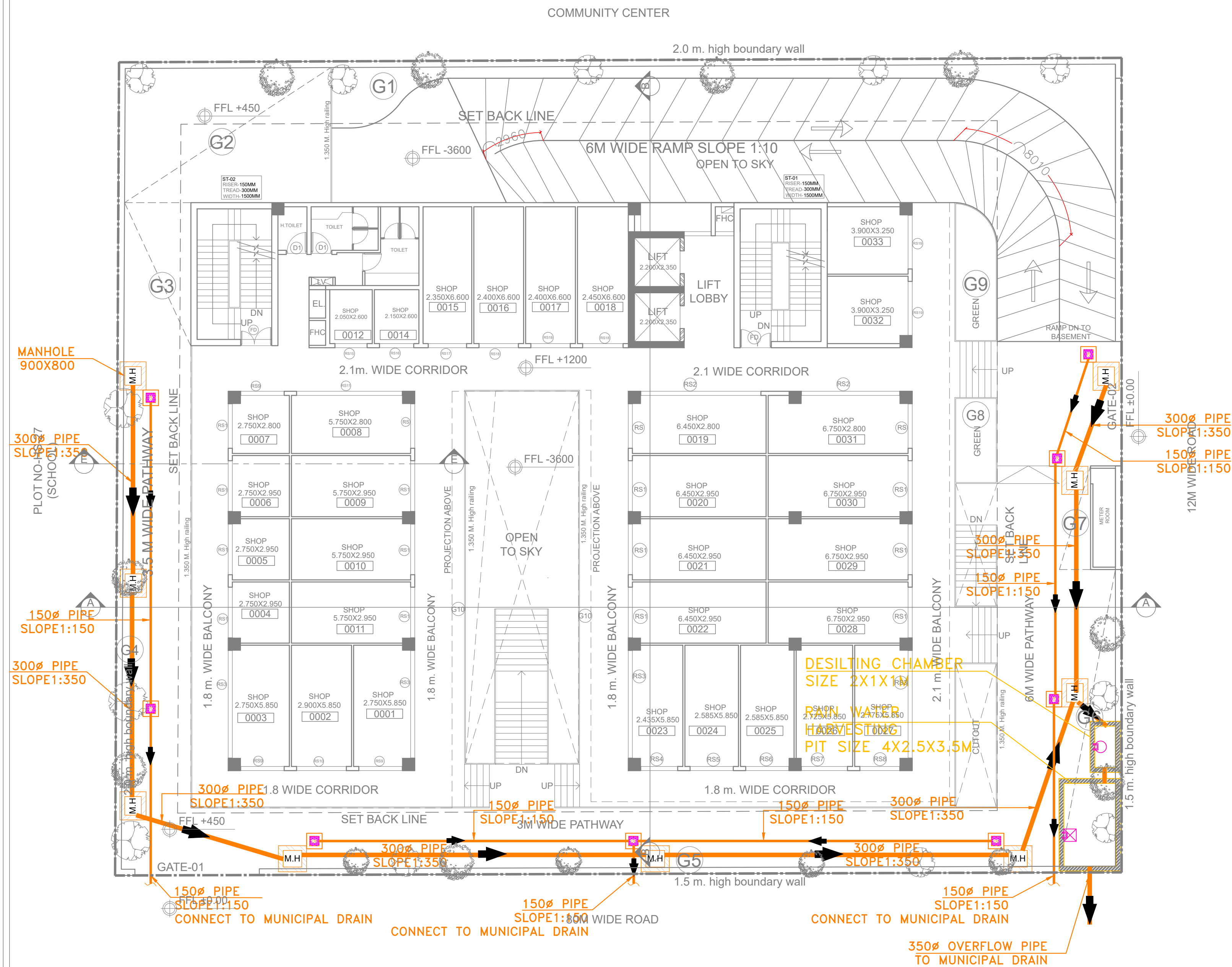
|          |                                                     |
|----------|-----------------------------------------------------|
| CLIENT:  | GREEN PROJECTS LLP                                  |
| PROJECT: | SIGMA GALLERIA COMMERCIAL, SEC-SIGMA, GREATER NOIDA |

|                   |                           |
|-------------------|---------------------------|
| SANCTION DRAWINGS | TITLE                     |
|                   | SITE PLAN<br>SEWER LAYOUT |

|                                                                                                                                                                        |                                                                                                                            |                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>THIS DRAWING IS THE PROPERTY<br/>OF GIAN P. MATHUR &amp; ASSO. (H) LTD<br/>AND SHALL NOT BE USED, COPIED<br/>OR REPRODUCED WITHOUT THEIR<br/>WRITTEN PERMISSION</p> |  <p>ARCHITECTS<br/>&amp; PLANNERS</p> | <p>GIAN P. MATHUR AND ASSOCIATES (P) LTD.<br/>C - 55, East Of Kailash, New Delhi-110065<br/>T : 465995991 F 46599512<br/>E : info@gpmindia.com I W : www.gpmindia.com</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|







| SIGMA GALLERIA AT GREATER NOIDA             |                                                     |            |       |
|---------------------------------------------|-----------------------------------------------------|------------|-------|
| RAIN WATER HARVESTING PIT CALCULATION SHEET |                                                     |            |       |
| S.No                                        | Description                                         | Total area | Unit  |
| 1                                           | Area Details                                        |            |       |
| 1.1                                         | Total Plot Area                                     | 1902       | Sqm   |
| 1.2                                         | Roof Area                                           | 713        | Sqm   |
| 1.3                                         | Road + Paved Area                                   | 898        | Sqm   |
| 1.4                                         | Green Area                                          | 291        | Sqm   |
| 2                                           | Design Parameters                                   |            |       |
| 2.1                                         | Intensity of Rainfall Considered                    | 60         | mm/hr |
| 3                                           | Run-off Co-efficient Considered for:-               |            |       |
| 3.1                                         | Roof Area                                           | 0.9        |       |
| 3.2                                         | Road & Paved Area                                   | 0.6        |       |
| 3.3                                         | Green Area                                          | 0.2        |       |
| 4                                           | Rainfall Discharge                                  |            |       |
| 4.1                                         | Roof Area                                           | 38.50      | Cu-m  |
| 4.2                                         | Road & Paved Area                                   | 32.328     | Cu-m  |
| 4.3                                         | Green Area                                          | 3.492      | Cu-m  |
|                                             | Total Rainfall Discharge                            | 74.32      | Cu-m  |
| 5                                           | Pit Volume Proposed 25% of total Rainfall Discharge | 18.58      | Cu-m  |
| 6                                           | Pit Volume Proposed ( 4.0x2.5x3.5M )                | 35.00      | Cu-m  |
| 7                                           | No of Pit                                           | 0.53       |       |
| 8                                           | Say                                                 | 1.00       | Nos.  |

| F.A.R. CALCULATIONS                                        |        |          |       |
|------------------------------------------------------------|--------|----------|-------|
| TOTAL SITE AREA                                            |        | 1902.500 | SQM   |
| PERMISSIBLE GROUND COVERAGE                                | 40%    | 761.000  | SQM   |
| PROPOSED GROUND COVERAGE (INCLUDING METER ROOM @7.5 SQMT.) | 39.97% | 760.480  | SQM   |
| PERMISSIBLE F.A.R. (A)                                     | 2      | 3805.000 | SQM   |
| PERMISSIBLE SERVICE FAR AREA (B=15% OF A)                  | 15%    | 570.750  | SQM   |
| PROPOSED F.A.R. (C)                                        | 1.96   | 3735.250 | SQM   |
| PROPOSED SERVICE F.A.R. (D)                                | 16.71% | 635.700  | SQM   |
| EXCESS SERVICES F.A.R ADDED MAIN F.A.R. (E=D-B)            | 1.71%  | 64.950   | SQM   |
| TOTAL PROPOSED F.A.R. (F=C+E)                              |        | 3800.20  | SQMT. |

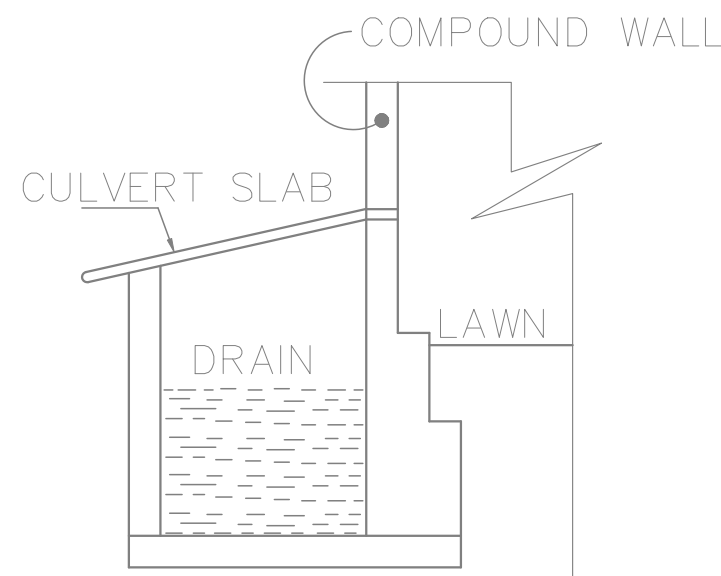
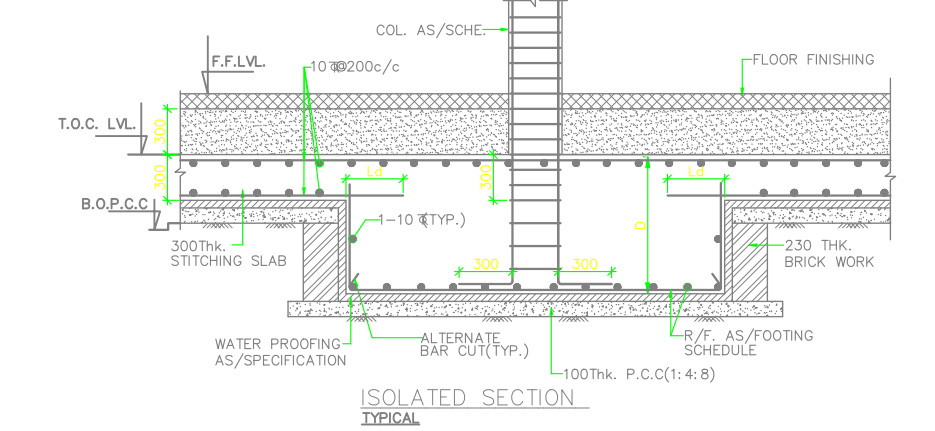
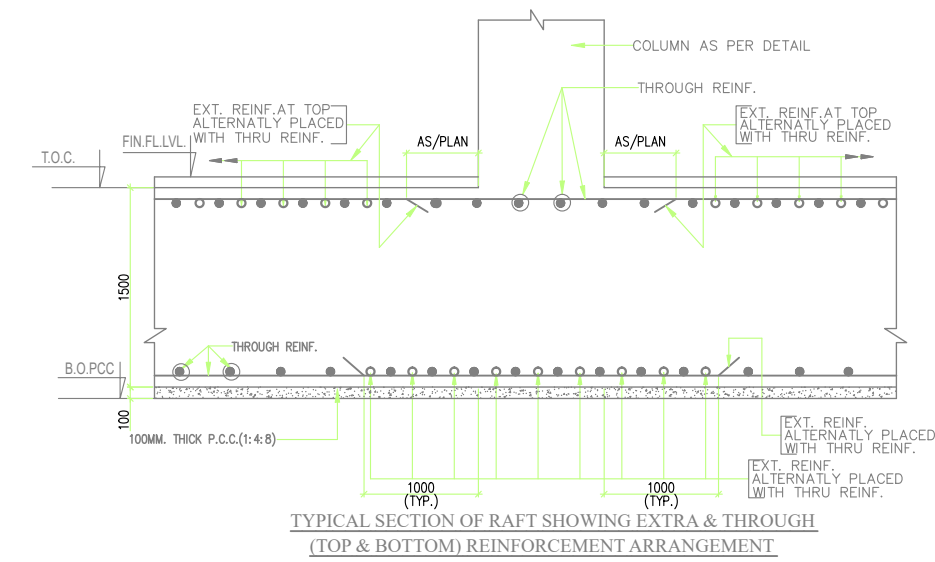
| AREA CALCULATIONS   |          |                  |                     |               |                 |
|---------------------|----------|------------------|---------------------|---------------|-----------------|
| FLOORS              | FAR      | 15% SERVICE AREA | NON FAR (LIFT WELL) | BUILT UP AREA | GROUND COVERAGE |
| BASEMENT 01         |          | 112.280          | 1138.07             | 1250.351      |                 |
| BASEMENT 02         |          | 150.330          | 1104.07             | 1254.405      |                 |
| GROUND FLOOR        | 713.114  | 39.866           |                     | 752.980       | 752.980         |
| FIRST FLOOR         | 700.214  | 39.866           | 10.34               | 750.42        |                 |
| SECOND FLOOR        | 658.669  | 48.711           | 10.34               | 717.72        |                 |
| THIRD FLOOR         | 658.669  | 48.711           | 10.34               | 717.72        |                 |
| FOURTH FLOOR        | 658.669  | 48.711           | 10.34               | 717.72        |                 |
| FIFTH FLOOR         | 338.415  | 19.305           | 10.34               | 368.06        |                 |
| MUMTY AND MACH.ROOM |          | 71.520           |                     | 71.52         |                 |
| TANK                |          | 56.400           |                     | 56.40         |                 |
| METER ROOM          | 7.500    |                  |                     | 7.50          | 7.500           |
| TOTAL FAR           | 3735.250 | 635.700          | 2293.845            | 6664.795      | 760.480         |

| PARKING CALCULATIONS |                                         |                   |     |
|----------------------|-----------------------------------------|-------------------|-----|
| 1                    | PLOT AREA                               | 1902.50           | SQM |
| 2                    | PERMISSIBLE FAR                         | 3805.00           | SQM |
| 3                    | PARKING REQUIRED @ 1 ECS/50 SQM         | 76.1              | ECS |
| PARKING PROVIDED     |                                         |                   |     |
| 3                    | BASEMENT-1 (MECHANICAL PARKING) @18 SQM | 812.478/18=45.137 | ECS |
| 4                    | BASEMENT-2 (MECHANICAL PARKING) @18 SQM | 908.895/18=50.494 | ECS |
|                      | TOTAL PROPOSED PARKING                  | 95.00             | ECS |

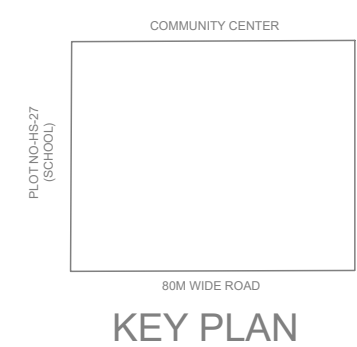
| GREEN AREA CALCULATIONS               |   |           |     |
|---------------------------------------|---|-----------|-----|
| GREEN AREA REQUIRED 25 % OF OPEN AREA |   |           |     |
| OPEN AREA                             | = | PLOT AREA | -   |
| (A)                                   | = | 1902.50   | -   |
|                                       | = | 1141.50   | SQM |
| GREEN AREA REQUIRED 25 % OF (A)       | = | 285.38    | SQM |
| GREEN AREA PROVIDED                   | = | 291.02    | SQM |

| TREE CALCULATIONS           |                 |        |  |
|-----------------------------|-----------------|--------|--|
| TOTAL NO. OF TREES REQUIRED | OPEN AREA / 100 | 11.415 |  |
|                             | SAY             | 11     |  |
| TOTAL NO. OF TREES PROPOSED |                 | 20     |  |

| PROPOSED GREEN AREA       |               |   |               |         |
|---------------------------|---------------|---|---------------|---------|
| S.NO.                     | Dimension (M) |   | Dimension (M) | NOS.    |
| G1                        | AS/PLINE      | X |               | 1       |
| G2                        | 9.920         | X | 6.470         | 1       |
| G3                        | 3.235         | X | 6.920         | 1       |
| G4                        | 0.785         | X | 25.235        | 1       |
| G5                        | 0.685         | X | 40.100        | 1       |
| G6                        | 1.200         | X | 27.015        | 1       |
| G7                        | 1.950         | X | 6.650         | 1       |
| G8                        | 1.950         | X | 4.050         | 1       |
| G9                        | 2.050         | X | 17.950        | 1       |
| G10                       | 0.600         | X | 17.950        | 1       |
| G11                       | 4.000         | X | 3.200         | 1       |
| G12                       | 1.450         | X | 8.950         | 1       |
| TOTAL GREEN AREA PROVIDED |               |   |               | 291.025 |



CULVERT DETAIL (T.S.)



WAC CONSULTANT:

**WAC Engineers**  
INDIA PVT. LTD.  
MEP Consultants & Project Managers  
B-78, Sector-6, Noida, UP-201301  
Ph.: 0120-4504693, E-mail: wac@wacmep.com

For Green Projects LLP  
OWNER'S SIGN

GIAN P. MATHUR  
ARCHITECT  
B. Arch., M.C.A., A.I.A.  
CA No 80/5769  
ARCHITECT'S SIGN

CLIENT:  
GREEN PROJECTS LLP

PROJECT:  
SIGMA GALLERIA COMMERCIAL, SEC-SIGMA, GREATER NOIDA

SANCTION DRAWINGS  
TITLE  
SITE PLAN  
STORM WATER LAYOUT

THIS DRAWING IS THE PROPERTY OF GIAN P. MATHUR & ASSOCIATES (P) LTD. AND SHALL NOT BE USED, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.  
DEALT POOJA  
CHKD ATEEK  
SCALE - 1:200  
DRG.NO. - S-03A

LEGEND :-

| S.No. | DESCRIPTION                  | SYMBOL |
|-------|------------------------------|--------|
| 1.    | SEWER LINE                   |        |
| 2.    | ETP WASTE LINE               |        |
| 3.    | RAIN WATER PIPE              |        |
| 4.    | DOMESTIC WATER RISER PIPE    |        |
| 5.    | FLUSHING WATER RISER PIPE    |        |
| 6.    | DRAIN CHANNEL                |        |
| 7.    | GARDEN HYDRANT               |        |
| 8.    | BORE WELL                    |        |
| 9.    | MANHOLE SEWER                |        |
| 10.   | CIRCULAR SEWER MANHOLE       |        |
| 11.   | ETP WASTE MANHOLE            |        |
| 12.   | CIRCULAR ETP WASTE MANHOLE   |        |
| 13.   | CATCH BASIN FOR (RAIN WATER) |        |
| 14.   | STORM WATER MANHOLE          |        |