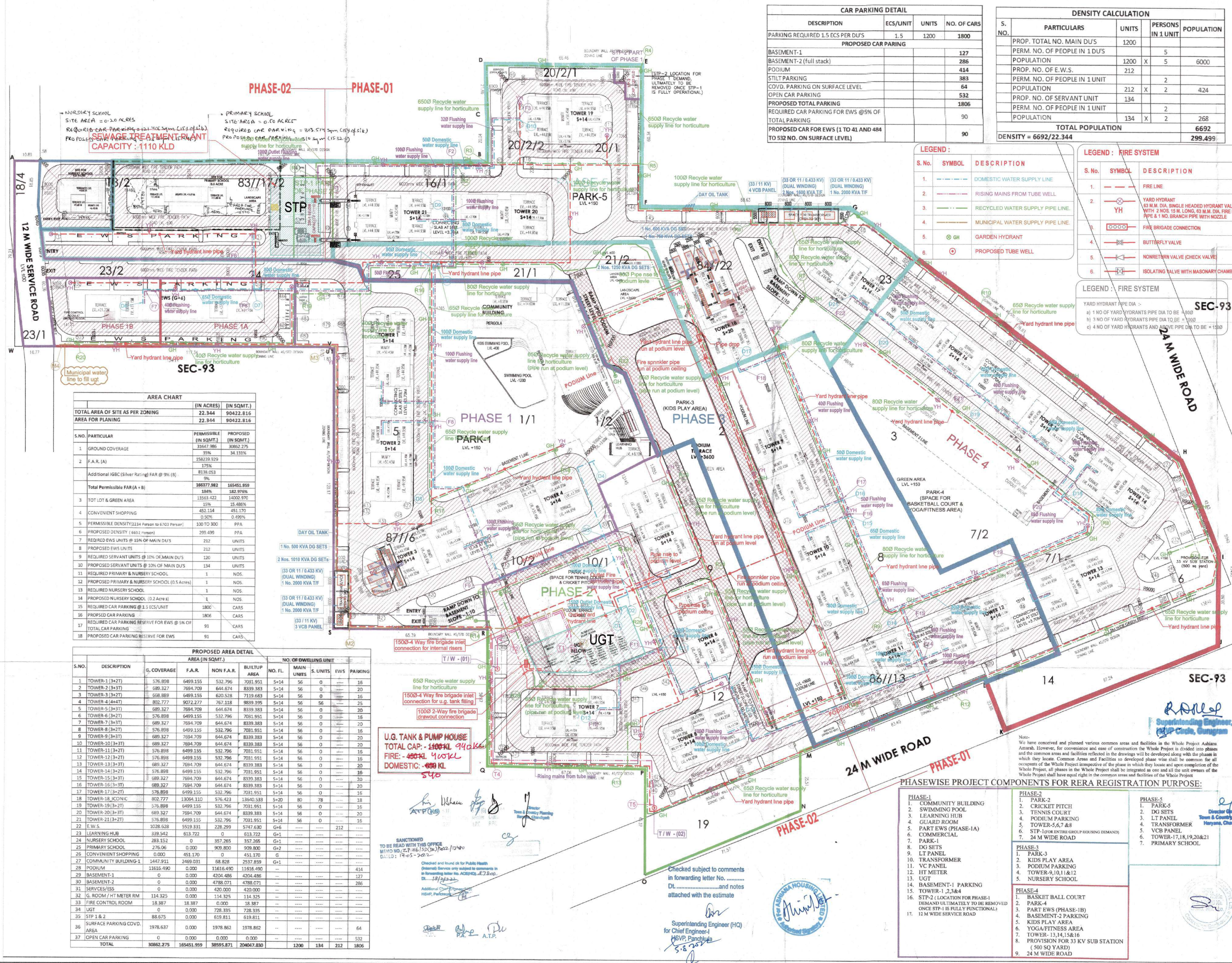


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| DENSITY CALCULATION   |                               |       |                   |            |
|-----------------------|-------------------------------|-------|-------------------|------------|
| S. NO.                | PARTICULARS                   | UNITS | PERSONS IN 1 UNIT | POPULATION |
|                       | PROP. TOTAL NO. MAIN DU'S     | 1200  |                   |            |
|                       | PERM. NO. OF PEOPLE IN 1 DU'S |       | 5                 |            |
|                       | POPULATION                    | 1200  | X                 | 5          |
|                       | PROP. NO. OF E.W.S.           | 212   |                   |            |
|                       | PERM. NO. OF PEOPLE IN 1 UNIT |       | 2                 |            |
|                       | POPULATION                    | 212   | X                 | 2          |
|                       | PROP. NO. OF SERVANT UNIT     | 134   |                   |            |
|                       | PERM. NO. OF PEOPLE IN 1 UNIT |       | 2                 |            |
|                       | POPULATION                    | 134   | X                 | 2          |
| TOTAL POPULATION      |                               |       |                   | 6692       |
| DENSITY = 6692/22.344 |                               |       |                   | 299.499    |

| Phasing Calculations >                                 |               |             |                 |      |
|--------------------------------------------------------|---------------|-------------|-----------------|------|
| Phase 1                                                |               |             |                 |      |
| Area = 2040.5556 Mm (including 12 m wide service road) |               |             |                 |      |
| Tower No.                                              | No. of Towers | No. of DB's | Population      |      |
| 1                                                      | 1             | 56          | 280             |      |
| 2                                                      | 1             | 56          | 280             |      |
| 3                                                      | 1             | 56          | 280             |      |
| 4                                                      | 1             | 56          | 280             |      |
| DB's                                                   |               |             | 224             | 880  |
| Service personnel                                      |               |             | 27              | 44   |
| Total                                                  |               |             | 251             | 1244 |
| Requirement of Phase 1                                 |               |             |                 |      |
| Total DB's Required                                    |               |             | 251             |      |
| Total DB's Provided                                    |               |             | 441             |      |
| Total Community Required                               |               |             | Nil             |      |
| Total Community Provided                               |               |             | Nil             |      |
| Total Green area Required                              |               |             | 3640.095 Sq. Mm |      |
| Total Green area Provided                              |               |             | 3747.54 Sq. Mm  |      |
| Total Parking Required                                 |               |             | 2376 Nos.       |      |
| Total Parking Provided                                 |               |             | 1306 Nos.       |      |

| Phase-2                               |                                         |            |                |
|---------------------------------------|-----------------------------------------|------------|----------------|
| Age +                                 | 1993-2013 M. (including 36 month roads) |            |                |
| Traveller No.                         | No. of Traveller                        | No. of DUs | Population     |
| 5                                     | 1                                       | 55         | 260            |
| 6                                     | 1                                       | 56         | 289            |
| 7                                     | 1                                       | 56         | 289            |
| 8                                     | 1                                       | 55         | 280            |
| DWS                                   | 1                                       | 40         | 80             |
| Service personal                      |                                         | 42         | 144            |
|                                       |                                         |            | 2458           |
| Total Population of Phase-1 + Phase-2 |                                         |            |                |
|                                       |                                         |            | 2458           |
| Requirement of Phase-2                |                                         |            |                |
| Total DWS required                    |                                         | 80         |                |
| Total DWS Provided                    |                                         | 40         |                |
| Total Community size required         |                                         | N/A        |                |
| Total Community size Provided         |                                         | N/A        |                |
| Total Green area required             |                                         |            | 2380.37 Sq. M. |
| Total Green area Provided             |                                         |            | 254.20 Sq. M.  |
| Total Parking required                |                                         |            | 206 Nos.       |
| Total Parking Provided                |                                         |            | 200 Nos.       |

| Age                                               | Male                                            | Female           | Total   | Population |
|---------------------------------------------------|-------------------------------------------------|------------------|---------|------------|
| Teacher No.                                       | No. of Teacher                                  | No. of DU's      |         |            |
| 0                                                 | 1                                               | 56               | 56      | 280        |
| 10                                                | 1                                               | 36               | 36      | 280        |
| 11                                                | 1                                               | 36               | 36      | 280        |
| 12                                                | 1                                               | 36               | 36      | 280        |
| FWS                                               | 1                                               | 40               | 80      |            |
| Services personnel                                |                                                 | 27               | 80      |            |
|                                                   |                                                 |                  | Total   | 2444       |
| Total Population of Phase-1 + Phase-2 + Phase-3 = |                                                 |                  |         | 3732       |
| <b>Requirement of Phase-3</b>                     |                                                 |                  |         |            |
| Total Enrolled Pupils                             |                                                 | 120              |         |            |
| Total Enrolled Provisional                        |                                                 | 120              |         |            |
| Total Community service required                  | 1-6                                             | Nursery (school) |         |            |
| Total Community service Provisional               | 1-6                                             | Nursery (school) |         |            |
| Total Enrols are required                         |                                                 |                  | 2013.95 | Mr. Mr.    |
| Total Green Area Possessed                        |                                                 |                  | 5642.23 | Mr. Mr.    |
| Total Parking Required                            |                                                 |                  | 335     | Ns.        |
| Total Parking Provided                            |                                                 |                  | 335     | Ns.        |
| <b>Phase-3</b>                                    |                                                 |                  |         |            |
| Area =                                            | 120X 307.50 Sq. Mtr. (including 20 m wide road) |                  |         |            |
| Teacher No.                                       | No. of Teacher                                  | No. of DU's      |         | Population |

|                                                   |              |                |            |
|---------------------------------------------------|--------------|----------------|------------|
| 13                                                | 1            | 50             | 280        |
| 14                                                | 1            | 56             | 280        |
| 15                                                | 1            | 56             | 280        |
| 16                                                | 1            | 56             | 280        |
| EWS                                               | 1            | 40             | 85         |
| Service personnel                                 |              | 22             | 44         |
|                                                   |              | Total          | 2484       |
| Total Population of Phase-1 + Phase-2 + Phase-3 = |              |                |            |
| 4076                                              |              |                |            |
| Requirement of Phase-4                            |              |                |            |
| Total EWS Required                                |              | 160            |            |
| Total EWS Provided                                |              | 240            |            |
| Total Community site required                     | 1 no         | Nursery School |            |
| Total Community site Provided                     | 1 no         | Nursery School |            |
| Total Green area required                         |              | 3684 sq. m     |            |
| Total Green area Provided                         |              | 2658.15 sq. m  |            |
| Total Parking Required                            |              | 131, Nos.      |            |
| Total Parking Provided                            |              | 497, Nos.      |            |
| Phase-5                                           |              |                |            |
| Area =                                            | 5677.95 Sq.M |                |            |
| Power In                                          | No. of       | No. of Q/s     | Population |
| 17                                                |              | 56             | 280        |

|                                                                            |                 |                 |             |
|----------------------------------------------------------------------------|-----------------|-----------------|-------------|
| 18                                                                         | 1               | 80              | 400         |
| 19                                                                         | 1               | 80              | 390         |
| 20                                                                         | 1               | 84              | 290         |
| 21                                                                         | 1               | 51              | 280         |
| RWS                                                                        | 1               | 52              | 154         |
| Service personnel                                                          |                 | 12              | 64          |
|                                                                            |                 | <b>Total</b>    | <b>1668</b> |
| <b>Total Population of Phase-1 + Phase-2 + Phase-3 + Phase-4 + Phase-5</b> |                 |                 |             |
|                                                                            |                 |                 | <b>6684</b> |
| <b>Requirement of Phase-3</b>                                              |                 |                 |             |
| <b>Total QMS Required</b>                                                  |                 |                 |             |
|                                                                            |                 | <b>160</b>      |             |
| <b>Total QMS Provided</b>                                                  |                 |                 |             |
|                                                                            |                 | <b>160</b>      |             |
| <b>Total Commensate area required</b>                                      |                 |                 |             |
|                                                                            | 1 no. N. School | 1 no. P. School |             |
| <b>Total Commensate area Provided</b>                                      |                 |                 |             |
|                                                                            | 1 no. N. School | 1 no. P. School |             |
| <b>Total Green area required</b>                                           |                 |                 |             |
|                                                                            |                 | 2405 Sq. Mts.   |             |
| <b>Total Green area Provided</b>                                           |                 |                 |             |
|                                                                            |                 | 1805 Sq. Mts.   |             |
| <b>Total Fencing Required</b>                                              |                 |                 |             |
|                                                                            |                 | 654 nos.        |             |
| <b>Total Fencing Provided</b>                                              |                 |                 |             |
|                                                                            |                 | 273 nos.        |             |

ALL LIFTING SHALL HAVE 100% POWER BACKUP  
ALL ELECTRICAL INSTALLATIONS SHALL BE AS PER PROVISIONS OF NIS.  
FIREFIGHTING / SAFETY PROVISIONS SHALL BE AS PER RELEVANT NIS PROVISIONS.  
ALL BUILDINGS SHALL BE PROVIDED WITH VENTILATED AS PER RELEVANT NIS PROVISIONS.  
ALL TOILETS ARE VENTILATED AS PER RELEVANT NIS PROVISIONS.  
BUILDING HAS AUTOMATIC SPRINKLER SYSTEM WITH FIRE EXTINGUISHER REQUIRED BY NIS.  
BUILDING IS REQUIRED STRUCTURE AS PER RELEVANT NIS CODES FOR EARTHQUAKE RESISTANCE.  
SLOPE PAVING OF REQUIRED CEMENT SHALL BE PROVIDED ON ROOF TOP AS PER NIS.  
NARGES ZONING NORMS.  
ALL HANDICAPPED ACCESS WITH RAMPING.  
ELEVATORS HAVE 1 HOUR FIRE RATED ENTRANCE DOOR.  
ALL FIRE FIGHTING INSTALLATIONS SHALL BE AS PER PROVISION OF NIS.  
ALL WASTE WATER SYSTEM SHALL BE PROVIDED AS PER CENTRAL  
GROUND WATER AITH NORMS

Housing Colony measuring 22.34 Acres (License No. 41 of 2010 Dated 07.06.2010) in sector-93, Gurugram being developed by Ashian Housing Ltd. comprising of total of Five (5) phases

Only For Service Plan Estimate

Executive Engineer  
HSPV, Division No. 4 Gurugram

ARCHITECT'S SEAL  
& SIGNATURE

OWNER/AUTH.  
SIGN.

NORTH

0

SYED MOHD. IMRAN  
CA 93/16665

Scale :  
Drawing Title:-

1:750  
Drawing No:-

**FIRE FIGHTING AND WATER  
SUPPLY PLAN**

**A.A. / ES. - 04**