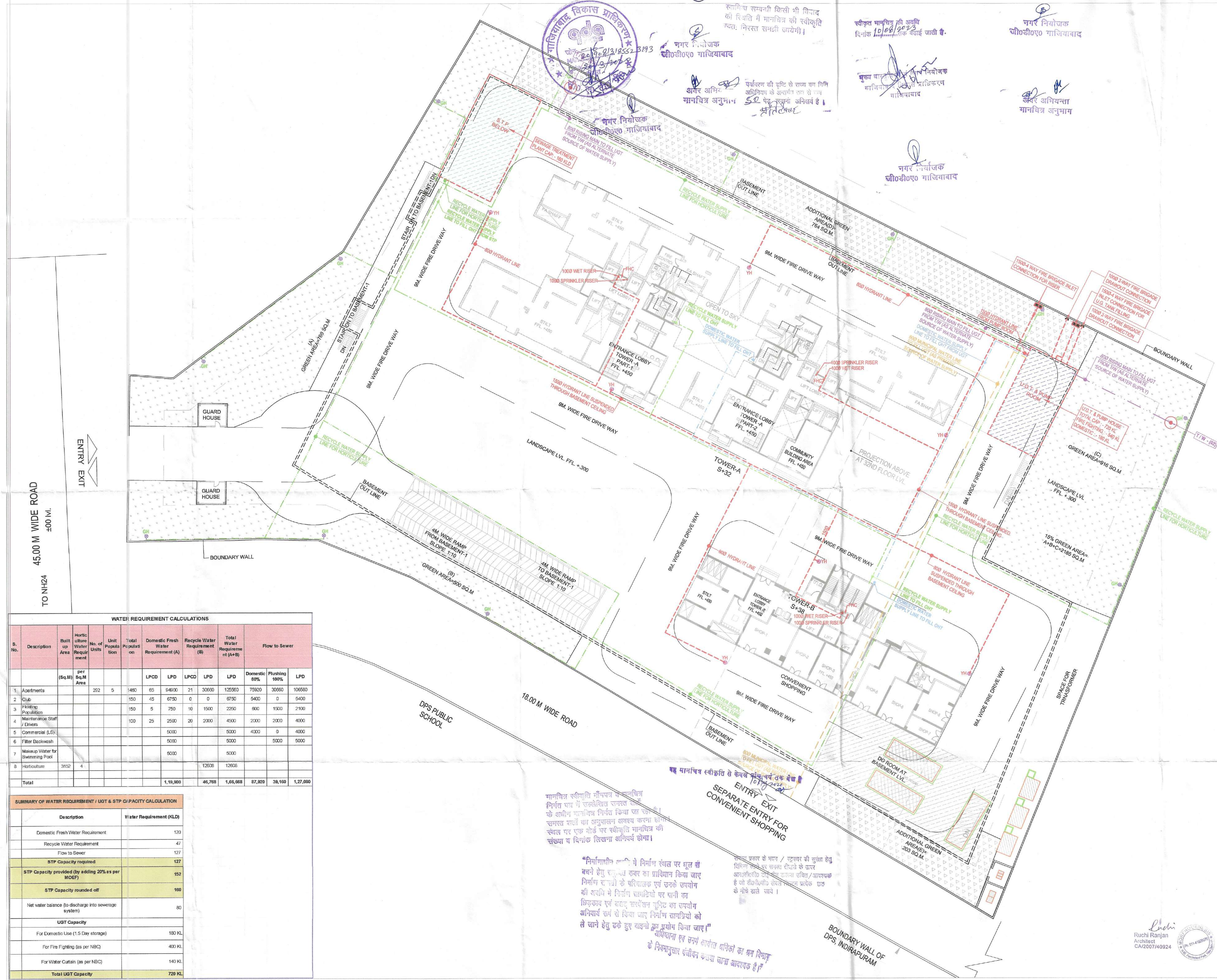




LEGEND :

| S. No. | SYMBOL | DESCRIPTION                                 |
|--------|--------|---------------------------------------------|
| 1.     | ---    | RISING MAIN LINE (FROM T.W. TO U.G.T.)      |
| 2.     | ---    | MUNICIPAL WATER SUPPLY PIPE LINE            |
| 3.     | ---    | RECYCLED WATER SUPPLY LINE FOR HORTICULTURE |
| 4.     | ---    | RECYCLED WATER SUPPLY LINE FOR FLUSHING     |
| 5.     | ---    | DOMESTIC WATER SUPPLY LINE                  |
| 6.     | ○      | PROPOSED TUBE WELL                          |
| 7.     | GH     | GARDEN HYDRANT                              |
| 8.     | ---    | BASEMENT RETAINING WALL                     |

LEGEND : FIRE SYSTEM

| S. No. | SYMBOL | DESCRIPTION                                                                                                                                        |
|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.     | ---    | FIRE LINE                                                                                                                                          |
| 2.     | YH     | YARD HYDRANT<br>53 M.M. DIA. SINGLE HEADED HYDRANT VALVE<br>WITH 2 NOS. 19 M. LONG, 83 M.M. DIA. FIRE HOSE<br>PIPE & 1 NO. BRANCH PIPE WITH NOZZLE |
| 3.     | □□□□   | FIRE BRIGADE CONNECTION                                                                                                                            |
| 4.     | ---    | BUTTERFLY VALVE                                                                                                                                    |
| 5.     | ---    | NONRETURN VALVE (CHECK VALVE)                                                                                                                      |

WATER REQUIREMENT CALCULATIONS

| S. No. | Description                    | Built up Area (Sq.M) | Water Requirement (LPCD) | Domestic Fresh Water Requirement (A) | Recycle Water Requirement (B) | Total Water Requirement (A+B) | Flow to Sewer |
|--------|--------------------------------|----------------------|--------------------------|--------------------------------------|-------------------------------|-------------------------------|---------------|
| 1.     | Apartments                     | 252                  | 5                        | 1260                                 | 0                             | 1260                          | 1260          |
| 2.     | Club                           | 150                  | 45                       | 6750                                 | 0                             | 6750                          | 6750          |
| 3.     | Flushing                       | 150                  | 5                        | 750                                  | 10                            | 1500                          | 1500          |
| 4.     | Maintenance Staff / Drivers    | 100                  | 25                       | 2500                                 | 20                            | 2000                          | 4500          |
| 5.     | Commercial (J.S)               |                      |                          | 5000                                 |                               | 5000                          | 4000          |
| 6.     | Filter Backwash                |                      |                          | 5000                                 |                               | 5000                          | 5000          |
| 7.     | Makeup Water for Swimming Pool |                      |                          | 5000                                 |                               | 5000                          |               |
| 8.     | Horticulture                   | 3152                 | 4                        | 12608                                | 12608                         |                               |               |
| Total  |                                |                      |                          | 1,19,900                             | 46,768                        | 1,66,668                      | 87,920        |

SUMMARY OF WATER REQUIREMENT / UGT & STP CAPACITY CALCULATION

| Description                                           | Water Requirement (KLD) |
|-------------------------------------------------------|-------------------------|
| Domestic Fresh Water Requirement                      | 120                     |
| Recycle Water Requirement                             | 47                      |
| Flow to Sewer                                         | 127                     |
| STP Capacity required                                 | 127                     |
| STP Capacity provided (by adding 20% as per MOEF)     | 152                     |
| STP Capacity rounded off                              | 160                     |
| Net water balance (to discharge into sewerage system) | 80                      |
| UGT Capacity                                          |                         |
| For Domestic Use (1.5 Day storage)                    | 180 KL                  |
| For Fire Fighting (as per NBC)                        | 400 KL                  |
| For Water Curtain (as per NBC)                        | 140 KL                  |
| Total UGT Capacity                                    | 720 KL                  |

मानवित्व स्वीकृति शीघ्रता से प्राप्त करने के लिए निर्माण पर 10% छूट का प्रावधान किया जा रहा है।  
समस्त शर्तों का अनुपालन आवश्यक करना होगा।  
संख्या 5 दिनांक 10/01/2020

“निर्माणार्थी को निर्माण खर्च पर भूल से होने हेतु समस्त कर का प्रावधान किया जा रहा है।  
निर्माण पर 10% के परिचायक एवं उनके उपयोग की शर्तों में निर्माण सामग्रियों पर यानी ता मित्प्रकाश एवं सार्वजनिक भूतिका उपयोग अनिवार्य रूप से किया जा रहा निर्माण सामग्रियों को से जाने हेतु छूट प्रदान किया जा रहा है।”  
वैधानिक एवं अन्य संबंधित शर्तों का अनुपालन के निर्माणार्थी को प्रावधान किया जा रहा है।

rev. no. date revision

project  
**RIO HEIGHTS PVT. LTD.**  
PROPOSED HOUSING PLAN AT KHASRA NO-526/2 OF VILLAGE -KANAWNI AT AHINSA KHAND II GHAZIABAD FOR M/S RIO HEIGHTS PVT LTD FORMALLY KNOWN AS AMBA REALTORS PVT. LTD.

title  
**LAYOUT PLAN**

subtile  
**EXTERNAL WATER SUPPLY SYSTEM**

drawing released for  
☐ APPROVAL ☒ SUBMISSION  
☐ ADVANCE COPY ☐ CONSTRUCTION

drg. no. APEX-H / 19B20 / ES-04 drawn by Prem Saini  
scale 1 : 300 designed by Badri Vishal  
date 24.01.2020 checked by Anand Havella

architects  
**MORPHOGENESIS**  
N 858, Panchsheel park, New Delhi 110017  
India TEL: 91 11 41828070 FAX: 91 11 26490351  
E Mail: studio@morphogenesis.org

services consultant  
**Consummate Engineering Services (P) Ltd.**  
Noida Office : B - 67, Sector - 67, Noida - 201 301  
Lko. Office : R 006, Roshni Plumeria, Gomti Nagar, Lucknow  
Tel : (0120) 2303500 (30 Lines)  
e mail : mail@cespi.in, website : www.cespi.in