

D.T.P. (HQ)
 Member Secretary
 B.P.C.

S.T.P. (G)
 Member
 B.P.C.

C.T.P. (H)
 Chairman
 B.P.C.

ADI, JD, SD, IFA, ATP

- NOTES:
1. Dimensions are not to be scaled
 2. All dimensions are in mm.
 3. All windows and ventilators are operable
 4. All mechanically ventilated & artificially lit toilets provided with 24 hr. power backup

LEGEND FOR PLUMBING

R.C.C	REINFORCED CEMENT CONCRETE
○	MANHOLE FOR DRAINAGE
---	400 Ø DRAINAGE PIPE
GL	GROUND LEVEL
IL	INVERT LEVEL
C.L	CONNECTION LEVEL

FOR ISSUES
DRAWING ISSUES
KEY PLAN

DATE NO.

Source Estimate only

Supervising Engineer
 HUDA Circle No. 1
 Gurugram

Addl. Chief Engineer
 HUDA

12M WIDE SERVICE ROAD

75M WIDE SECTORAL ROAD

HT - LINE

24M WIDE ROAD

HT - LINE

SEAL

Architects:

ARCOP ASSOCIATES Pvt. Ltd.
 E-106, G.K. ENCLAVE, Part-I
 New Delhi-110 049
 Ph.: 011-26242050

Electrical & HVAC Sub-consultants:

ENVIROTECH DESIGN Pvt. Ltd.
 G-53, Abdul Fazal Enclave Part-II,
 Jamia Nagar, New Delhi
 Ph: 011-29948091
 e-mail: atson11.asf@gmail.com

Plumbing and Fire Fighting Sub-Consultants:

ARK CONSULTANTS
 1/30, Roshan Garden-II, Katrola Road,
 Najafgarh, New Delhi-110043
 Ph: 011-25322575

Developers:

M/S Matrix Buildwell Pvt. Ltd.
 C/O North Star Apartments Pvt. Ltd.
 4th floor, The Plaza
 MG Road, Gurgaon 122002

Project Title:

Commercial complex on land
 measuring 2.91875 acres
 at sector 86, village Badha, Gurgaon

Drawing Title:

**DRAINAGE SITE LAYOUT PLAN
 (PLUMBING)**

Scale - 1:250@A1 Job No.

Drawn by : DEEPAK Plot No.

Check by : MANHENDRA Location :

Approved by : A.Gangwar Date: JAN-2018

Revision No. Drawing No. : PL-DR-01

AREA SUMMARY

TOTAL PLOT AREA	2.91875 Acres
PERMISSIBLE F.A.R @75%	11811.7434 sq.mt
PERMISSIBLE Ground Coverage @40%	4724.6980 sq.mt
Proposed Ground Coverage	4655.6400 sq.mt
Total Proposed F.A.R	20661.7740 sq.mt
%	174.925%

AREA CHART

FLOOR	F.A.R AREAS (Sq. Mtr)	NON F.A.R AREAS (sq. mtr)
GROUND FLOOR	4659.244	4659.244
FIRST FLOOR	4659.244	4659.244
SECOND FLOOR	4659.244	4659.244
THIRD FLOOR	4659.244	4659.244
4 th FLOOR	4659.244	4659.244
5 th FLOOR	4659.244	4659.244
6 th FLOOR	4659.244	4659.244
7 th FLOOR	4659.244	4659.244
8 th FLOOR	4659.244	4659.244
9 th FLOOR	4659.244	4659.244
10 th FLOOR	4659.244	4659.244
11 th FLOOR	4659.244	4659.244
12 th FLOOR	4659.244	4659.244
13 th FLOOR	4659.244	4659.244
UPPER BASEMENT	8021.300 sq.mtr	8021.300
LOWER BASEMENT	305.714 sq.mtr	305.714
Sub Total of Basement	8327.014 sq.mtr	8327.014
TOTAL	20661.774	16288.393

PARKING CALCULATION

Category	PERMISSIBLE / REQUIRED	PROPOSED
Total F.A.R	20661.774 sq.mtr	20661.774 sq.mtr
Total Parking @100/750 Sq.mtr	4132 ECES	4132 ECES
Parking at Ground level	4132 ECES (98.15% of total)	4132 ECES
Total Parking in Basement	388 ECES	388 ECES
LOWER BASEMENT		
Total Basement Area	8327.014 sq.mtr	8327.014 sq.mtr
Total Area for Garages	493.317 sq.mtr	493.317 sq.mtr
Total Area for Parking	7765.527 sq.mtr	7765.527 sq.mtr
E.C.S @250 Sq. mtr	3106 ECES (approx)	3106 ECES (approx)
UPPER BASEMENT		
Total Basement Area	8021.300 sq.mtr	8021.300 sq.mtr
Total Area for Garages	305.714 sq.mtr	305.714 sq.mtr
Total Area for Parking	7026.146 sq.mtr	7026.146 sq.mtr
E.C.S @250 Sq. mtr	2810 ECES (approx)	2810 ECES (approx)

Sanjay Singh, Architect
 Council of Architecture
 Registration No.: CA/1993/15645

Checked subject to comments
 in forwarding letter No. 166227
 Dt. 23.01.18 and notes
 attached with the estimate

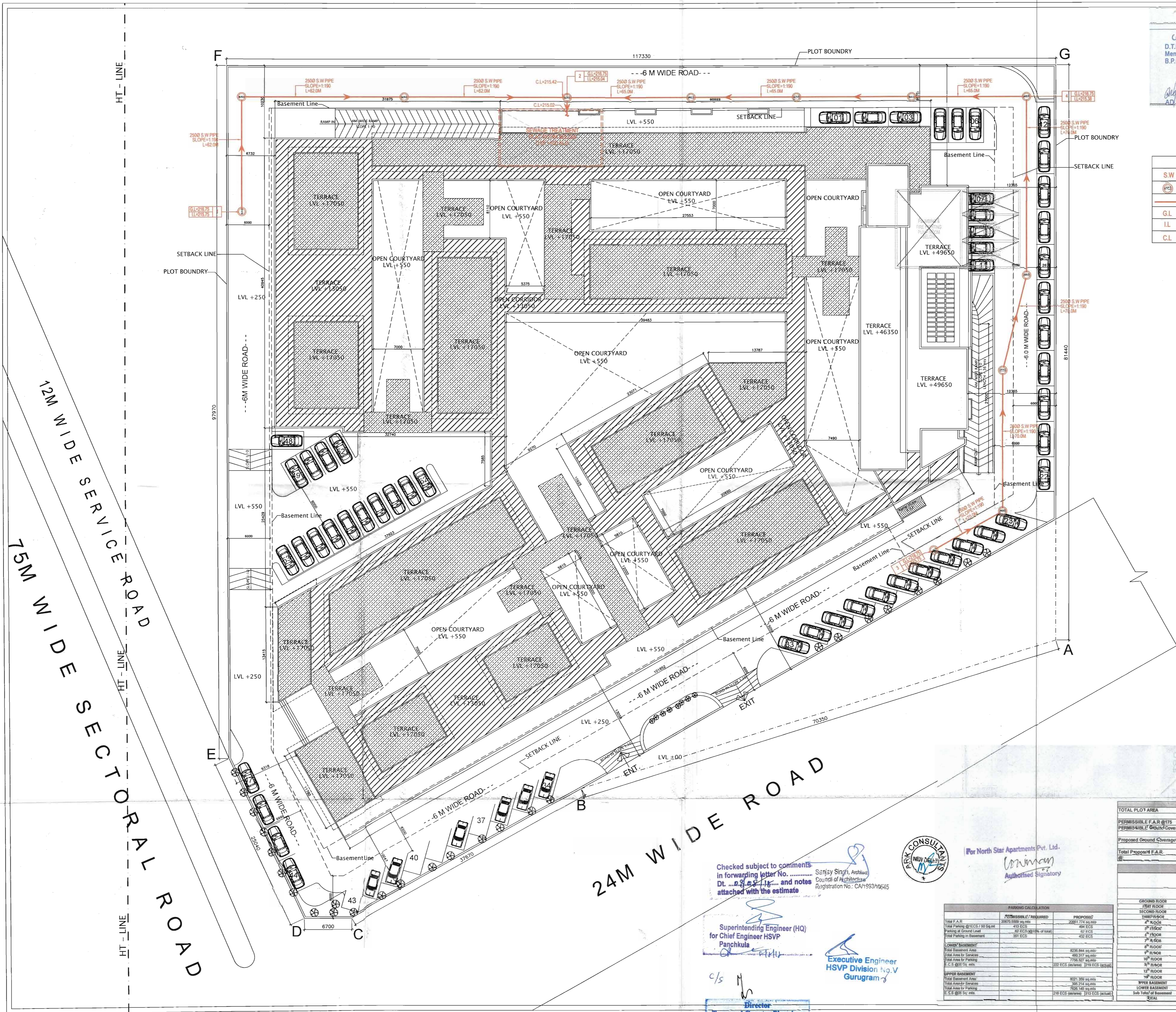
Superintending Engineer (HQ)
 for Chief Engineer HSPV
 Pachkula

Executive Engineer
 HSPV Division No. V
 Gurugram

Director
 Town and Country Planning,
 Haryana, Chandigarh

ARK CONSULTANTS

For North Star Apartments Pvt. Ltd.
 Authorised Signatory



D.T.P. (HQ) Member Secretary B.P.C.
 S.T.P. (G) Member B.P.C.
 C.T.P. (Hr) Chairman B.P.C.

LEGEND FOR PLUMBING

S.W	STONEWARE
⊕	MANHOLE FOR SEWERAGE
—	250 Ø STONEWARE PIPE
G.L	GROUND LEVEL
I.L	INVERT LEVEL
C.L	CONNECTION LEVEL

- NOTES:**
- Dimensions are not to be scaled
 - All dimensions are in mm.
 - All windows and ventilators are openable
 - All mechanically ventilated & artificially lit toilets provided with 24 hr. power backup

FOR ISSUES DATE NO.
DRAWING ISSUES
KEY PLAN:

Sanaa Estimate only
 Superintending Engineer
 HUDA Circle No. 1,
 Gurugram
 Addl. Chief Engineer
 HSVP, Gurugram

SEAL

Architects:
 ARCOOP ASSOCIATES Pvt. Ltd.
 E-104, G-ENCLAVE, Part-I
 New Delhi-110 049
 Ph: 011-26242050

Electrical & HVAC Sub-consultants:
 ENVIROTECH DESIGN Pvt. Ltd.
 G-53, Abdul Fazel Enclave Part-II,
 Jamia Nagar, New Delhi
 Ph: 011-29948091
 e-mail: ahsan11.asif@gmail.com

Plumbing and Fire Fighting Sub-Consultants:
 ARK CONSULTANTS
 1/30, Roshan Garden-II, Kakrola Road,
 Najafgarh, New Delhi-110043
 Ph: 011-25322575

Developers:
 M/S Matrix Buildwell Pvt. Ltd.
 C/O North Star Apartments Pvt. Ltd.
 4th floor, The Plaza
 MG Road, Gurgaon 122002

Project Title:
 Commercial complex on land
 measuring 2.91875 acres
 at sector 86, village Badha, Gurgaon

Drawing Title:
 SEWERAGE SITE LAYOUT PLAN
 (PLUMBING)

Scale - 1:250@A1 Job No.
 Drawn by: DEEPAK Plot No.
 Check by: MAHENDRA Location:
 Approved by: A.Gangwar Date: JAN-2018
 Revision No. Drawing No.: PL-SW-01

AREA SUMMARY

TOTAL PLOT AREA	2.91875 Acres
PERMISSIBLE F.A.R @175	11811.7434 sq.mt
PERMISSIBLE F.A.R @100 Coverage @40%	29270.8500 sq.mt
Proposed Ground Coverage	4650.0460 sq.mt
Total Proposed F.A.R.	20961.7740 sq.mt
	174.929%

AREA CHART

FLOOR	*A.R. AREA (sq. mt)	NON F.A.R. AREAS (sq. mt)
GROUND FLOOR	4139.146	
FIRST FLOOR	4429.727	
SECOND FLOOR	4322.731	
THIRD FLOOR	3620.441	
4 th FLOOR	SERVICE FLOOR	445.314
5 th FLOOR	OFFICE	496.738
6 th FLOOR		496.738
7 th FLOOR		496.738
8 th FLOOR	SERVICE APARTMENT	496.738
9 th FLOOR		496.738
10 th FLOOR		496.738
11 th FLOOR		496.738
12 th FLOOR		256.136
13 th FLOOR		8021.369
14 th FLOOR	LOWER BASEMENT	1028.544
15 th FLOOR		1458.300
16 th FLOOR		1680.810
TOTAL	20469.279	1680.810

PARKING CALCULATION

Category	PERMISSIBLE / REQUIRED	PROPOSED
Total F.A.R.	20961.774 sq.mt	20961.774 sq.mt
Total Parking @175 F.A.R @100	413 E.C.S.	413 E.C.S.
Parking at Ground Level	40 E.C.S. (97.06% of total)	40 E.C.S.
Total Parking in Basement	367 E.C.S.	373 E.C.S.

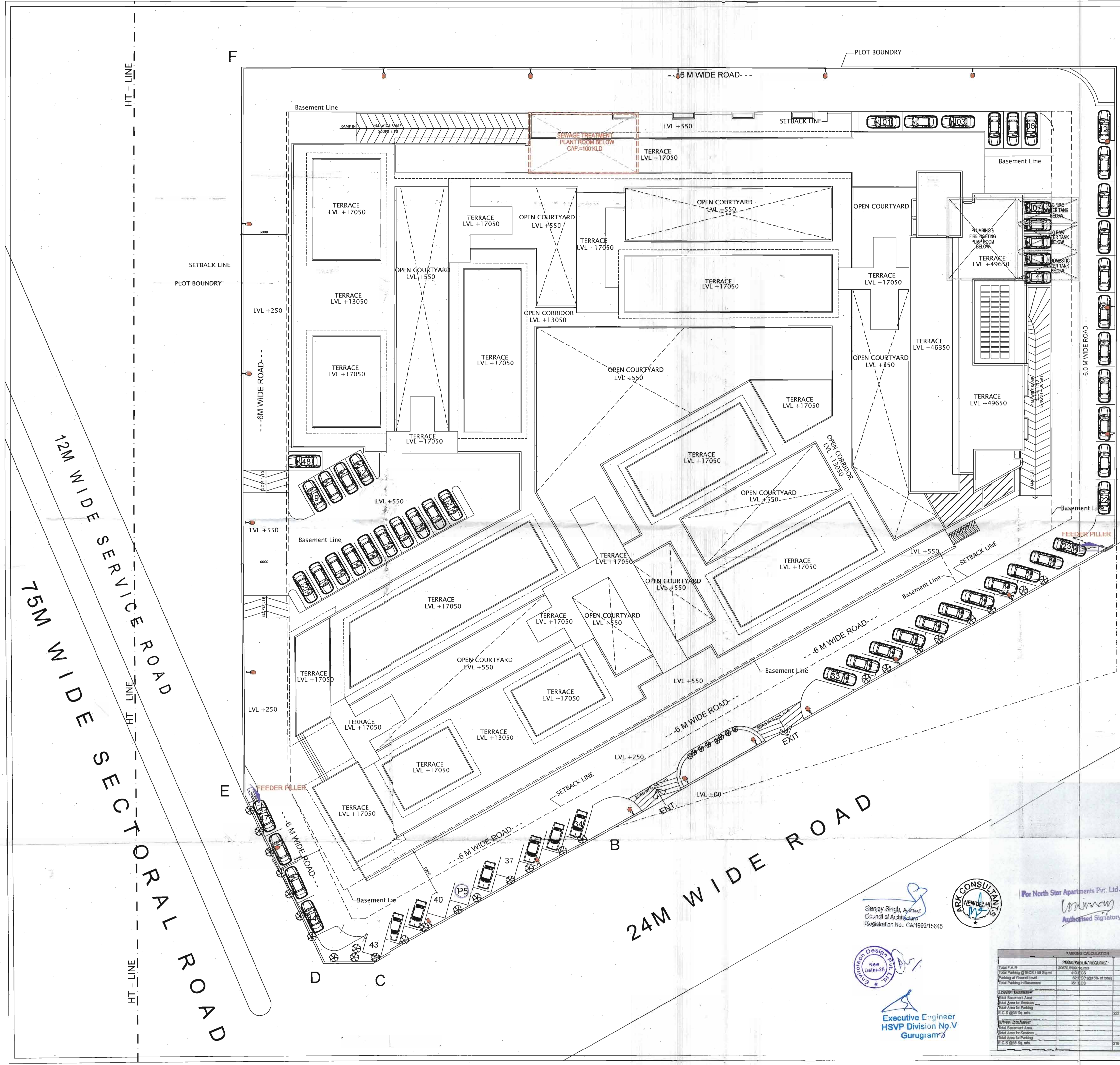
Checked subject to comments in forwarding letter No.
 Dt. ... and notes attached with the estimate
 Sanjay Singh, Architect
 Council of Architects
 Registration No.: CA/953/96/5

Superintending Engineer (HQ) for Chief Engineer HSVP Panchkula
 Executive Engineer HSVP Division No. V Gurugram

Director
 Town and Country Planning,
 Haryana, Chandigarh



For North Star Apartments Pvt. Ltd.
 Authorised Signatory



D.T.P. (HO) Member Secretary B.P.C.
 S.T.P. (G) Member B.P.C.
 C.T.P. (H) Chairman B.P.C.

- NOTES:
1. Dimensions are not to be scaled
 2. All dimensions are in mm.
 3. All windows and ventilators are operable.
 4. All mechanically ventilated & artificially lit toilets provided with 24 hr. power backup

Checked subject to comments in forwarding letter No. 16442/ Dt. 07-10-18 and notes attached with the estimate

Superintending Engineer (H.O) for Chief Engineer HSVP Panchkula

Director Town and Country Planning, Haryana, Chandigarh

Superintending Engineer HUDA Circle No.1, Gurugram

Addl. Chief Engineer HSVP, Gurugram

LEGEND
 POLE LIGHT - 6.0 M TALL
 FEEDER PILLER

SEAL

Architects:

ARCOP ASSOCIATES Pvt. Ltd.
E-106, G.K. ENCLAVE, Part-I
New Delhi-110 049
Ph: 011-26242050

Electrical & HVAC Sub-consultants:

ENVIROTECH DESIGN Pvt. Ltd.
G-53, Abdul Fazal Enclave Part-II,
Jamia Nagar, New Delhi
Ph: 011-29948991
e-mail: ahsan11.05@gmail.com

Plumbing and Fire Fighting Sub-Consultants:

ARK CONSULTANTS
1/30, Roshan Garden-II, Kakrola Road,
Najafgarh, New Delhi-110043
Ph: 011-25322575

Developers:

M/S Matrix Buildwell Pvt. Ltd.
C/O North Star Apartments Pvt. Ltd.
4th floor, The Plaza
MG Road, Gurgaon 122002

Project Title:

Commercial complex on land measuring 2.91875 acres at sector 86, village Badha, Gurgaon

Drawing Title:

STREET LIGHTING LAYOUT PLAN (ELECTRICAL)

Scale - 1:250@A1 Job No.

Drawn by: SUNIL Plot No.

Check by: AHSAN Location:

Approved by: AHSAN Date: JAN-2018

Revision No. Drawing No.: EL-SL-01

Checked and found ok for Public Health (General) Service only subject to comments in its forwarding letter No. SE/HQ/116/12/3/2018

Chief Engineer (H.O)

AREA SUMMARY	
TOTAL PLOT AREA	2.91875 Acres
PERMISSIBLE F.A.R @ 175	76181.24 sq.m
PERMISSIBLE Ground Coverage @ 40%	4724.6580 sq.m
Proposed Ground Coverage	4558.8680 sq.m
Total Proposed F.A.R	20804.7740 sq.m
	714.925%

PARKING CALCULATION		
TYPE	AREA (sq.m)	NO. OF SPACES
Total Parking @ ECIS 750 Sq.m	415 ECIS	484 ECIS
Parking at Ground level	45 ECIS (at least)	45 ECIS
Total Parking in Basement	361 ECIS	439 ECIS
Lower Basements	8286.864 sq.m	483.377 sq.m
Total Area for Garages	7924.599 sq.m	483.377 sq.m
Total Area for Parking	222 ECIS (minimum)	270 ECIS (actual)
Upper Basements	8021.350 sq.m	483.377 sq.m
Total Area for Garages	306.714 sq.m	483.377 sq.m
Total Area for Parking	7026.146 sq.m	483.377 sq.m
Total ECIS @ 250 Sq. m	218 ECIS (minimum)	270 ECIS (actual)

AREA CHART		
FLOOR	F.A.R. AREAS (sq. m)	NON F.A.R. AREAS (sq. m)
GROUND FLOOR	4439.246	
1ST FLOOR	4439.250	
2ND FLOOR	4439.251	
3RD FLOOR	2820.641	
4TH FLOOR	446.238	446.238
5TH FLOOR	446.238	446.238
6TH FLOOR	446.238	446.238
7TH FLOOR	446.238	446.238
8TH FLOOR	446.238	446.238
9TH FLOOR	446.238	446.238
10TH FLOOR	446.238	446.238
11TH FLOOR	446.238	446.238
12TH FLOOR	446.238	446.238
13TH FLOOR	256.136	
UPPER BASEMENT	8021.350	8021.350
LOWER BASEMENT	8286.864	8286.864
Total	20804.774	16588.300

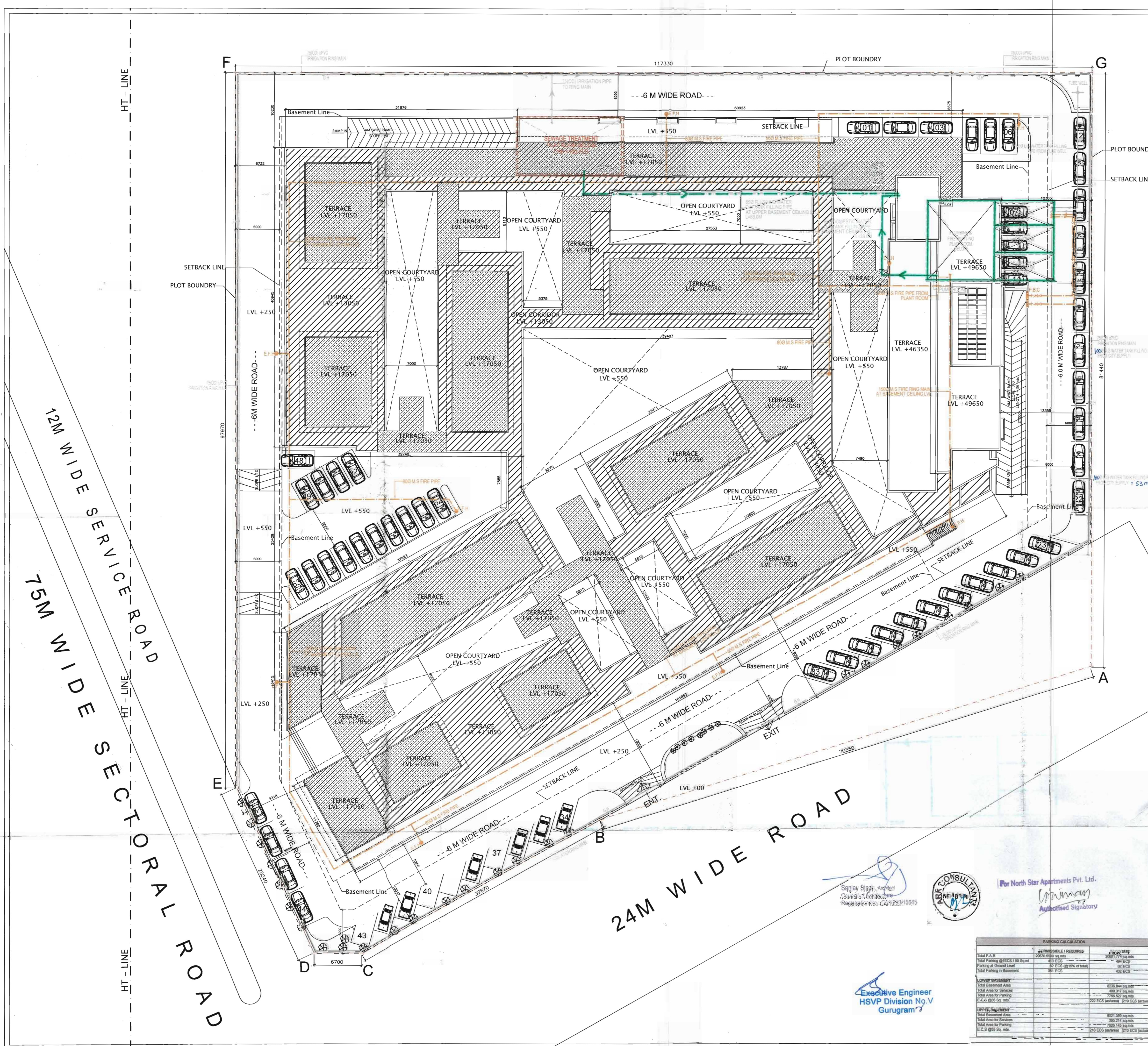
Sanjay Singh, Architect
Council of Architects
Registration No.: CA/1993/15645

New Delhi-20

Executive Engineer HSVP Division No. V Gurugram



For North Star Apartments Pvt. Ltd.
Authorized Signatory



NOTES:
 1. Dimensions are not to be scaled
 2. All dimensions are in mm.
 3. All windows and ventilators are operable
 4. All mechanically ventilated & artificially lit toilets provided with 24 hr. power backup

Checked subject to comments in forwarding letter No. L. 16742/ Dt. 23.03.14 and notes attached with the estimate
 Superintending Engineer (HQ) for Chief Engineer HSW, Panchkula
 Director Town and Country Planning, Haryana, Chandigarh

LEGEND FOR PLUMBING

---	300 U.G. WATER TANK FILING FROM CITY SUPPLY
---	RISER UPVC
---	IRIGATION RING MAIN
---	D.W.S DOMESTIC WATER SUPPLY PIPE
---	F.W.S FLUSHING WATER SUPPLY PIPE
---	G.H GARDEN HYDRANT

LEGEND FOR FIRE FIGHTING

---	M.S FIRE PIPE
---	E.F.H EXTERNAL FIRE HYDRANT
---	F.B.C FIRE BRIGADE CONNECTION

SEAL
 Superintending Engineer HUDA Circle No. 1, Gurugram
 Addl. Chief Engineer HSW, Gurugram

Architects:
 ARCOP ASSOCIATES Pvt. Ltd.
 E-106, G.K. ENCLAVE, Part-I
 New Delhi-110 049
 Ph: 011-26242050

Electrical & HVAC Sub-consultants:
 ENVIROTECH DESIGN Pvt. Ltd.
 G-53, Abdul Fazal Enclave Part-II,
 Jania Nagar, New Delhi
 Ph: 011-29948091
 e-mail: ahson11.asi@gmail.com

Plumbing and Fire Fighting Sub-Consultants:
 ARK CONSULTANTS
 1/30, Roshan Garden-II, Kakrola Road,
 Najafgarh, New Delhi- 110043
 Ph: 011-25322575

Developers:
 M/S Matrix Buildwell Pvt. Ltd.
 C/O North Star Apartments Pvt. Ltd.
 4th floor, The Plaza
 MG Road, Gurgaon 122002

Project Title:
 Commercial complex on land measuring 2.91875 acres at sector 86, village Badha, Gurgaon

Drawing Title:
 WATER SUPPLY SITE LAYOUT PLAN (PLUMBING)

Scale: 1:250@A1 Job No.
 Drawn by: DEEPAK Plot No.
 Check by: MAHENDRA Location:
 Approved by: A. Gangwar Date: JAN-2018
 Revision No. Drawing No.: PL-WS-01

AREA SUMMARY

TOTAL PLOT AREA	2.91875 Acres
PERMISSIBLE F.A.R. @ 175	11811.7434 sq.mt
PERMISSIBLE Coverage @ 40%	20670.5500 sq.mt
Proposed Ground Coverage	493.6560 sq.mt
Total Proposed F.A.R.	384.49%
@	20666.7740 sq.mt
	174.92%

AREA CHART

FLOOR	TOTAL AREA (sq. mt)	NON F.A.R. AREA (sq. mt)
GROUND FLOOR	4659.246	
REST FLOOR	4438.720	
4th FLOOR	4232.211	
THIRD FLOOR	2520.441	
2nd FLOOR	3874.316	445.316
1st FLOOR	4762.78	
LOWER BASEMENT	4762.78	
UPPER BASEMENT	4762.78	
11th FLOOR	4762.78	
10th FLOOR	4762.78	
9th FLOOR	4762.78	
8th FLOOR	4762.78	
7th FLOOR	4762.78	
6th FLOOR	4762.78	
5th FLOOR	4762.78	
4th FLOOR	4762.78	
3rd FLOOR	4762.78	
2nd FLOOR	4762.78	
1st FLOOR	4762.78	
LOWER BASEMENT	4762.78	
UPPER BASEMENT	4762.78	
TOTAL	20666.774	16703.819

PARKING CALCULATION

PERMISSIBLE / REQUIRED	20670.5500
PROVIDED	493.6560
Shortage	20176.8940
Shortage %	97.61%

Sajay Singh, Architect
 Council of Architecture
 Registration No. CA/1504/2010
 For North Star Apartments Pvt. Ltd.
 Authorised Signatory

Executive Engineer
 HSWP Division No V
 Gurugram