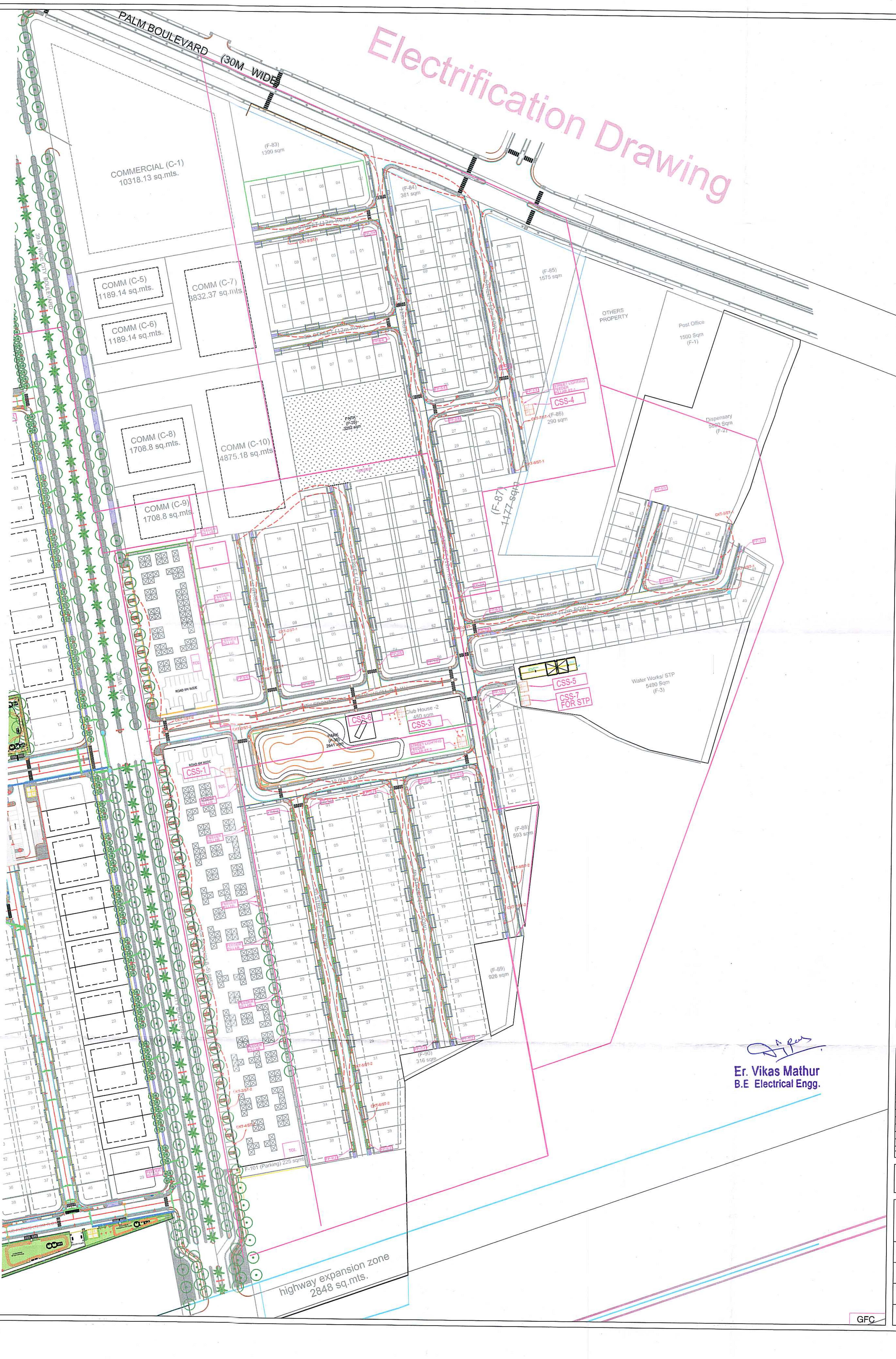

Er. Vikas Mathur
B.E Electrical Engg.

VATIKA LIMITED

Key Plan

Scale 1:50000

CLIENT

Vatika Landbase Ltd
7th Floor, Vatika Triangle,
Sushant Lok, Phase-I,
Gurgaon – 122002

CONSULTANTS

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PLUMBING CONSULTANTS
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LEGEND

Address :-
Village: Thikaria,
Prithvisinghpura,Sanjharia,
Bagrukhurd,Balmukundpura
Tehsil : Sanganer, Jaipu

R.No.	Description	Date	To	By
R8				
R7				
R6				
R5				
R4				
R3				
R2				
R1				

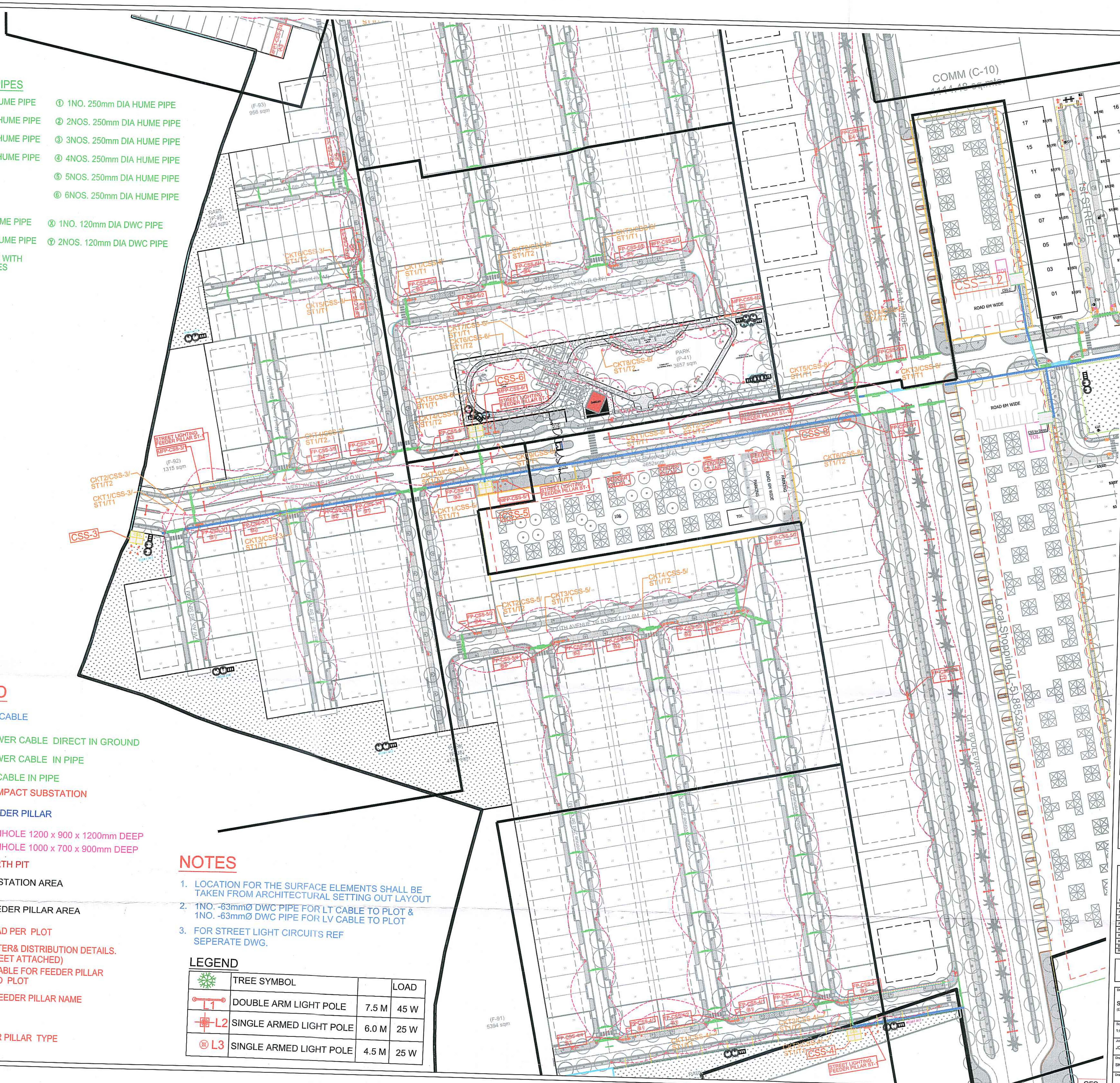
Revisions

Project
VATIKA INFOTECH CITY
For-Part A

Drawing Title
(RHS)
(LIGHTING LAYOUT)

Scale	Date	North
1:1000	06.02.2023	
Job no.	Cad file ref.	Revision no.
JOB_NO		R0
Drawn	Checked	Approved
YM	SK	AS

Drawing no.
VL.INF-ED-11(A)



LEGEND FOR H.PIPES

Ⓐ 1NO. 300mm DIA HUME PIPE
Ⓑ 2NOS. 300mm DIA HUME PIPE
Ⓒ 3NOS. 300mm DIA HUME PIPE
Ⓓ 4NOS. 300mm DIA HUME PIPE

① 1NO. 250mm DIA HUME PIPE
② 2NOS. 250mm DIA HUME PIPE
③ 3NOS. 250mm DIA HUME PIPE
④ 4NOS. 250mm DIA HUME PIPE
⑤ 5NOS. 250mm DIA HUME PIPE
⑥ 6NOS. 250mm DIA HUME PIPE

ⒶⒶ 1NO. 150mm DIA HUME PIPE
ⒷⒷ 2NOS. 150mm DIA HUME PIPE
1NO. 150 DIA H.PIPE WITH 2NOS 63Ø DWC PIPES 1-FOR POWER & 1-FOR LV CABLE

Ⓧ 1NO. 120mm DIA DWC PIPE
Ⓨ 2NOS. 120mm DIA DWC PIPE

LEGEND

- HT CABLE
- POWER CABLE DIRECT IN GROUND
- POWER CABLE IN PIPE
- LV CABLE IN PIPE
- COMPACT SUBSTATION
- FEEDER PILLAR
- MANHOLE 1200 x 900 x 1200mm DEEP
- MANHOLE 1000 x 700 x 900mm DEEP
- EARTH PIT
- SUBSTATION AREA
- FEEDER PILLAR AREA

1.2kW -M2 / 4C 16SQMM
- LOAD PER PLOT
- METER& DISTRIBUTION DETAILS. (SHEET ATTACHED)
- CABLE FOR FEEDER PILLAR TO PLOT

FP-833/3/5 C2
- FEEDER PILLAR NAME
- FEEDER PILLAR TYPE

NOTES

1. LOCATION FOR THE SURFACE ELEMENTS SHALL BE TAKEN FROM ARCHITECTURAL SETTING OUT LAYOUT
2. 1NO. -63mmØ DWC PIPE FOR LT CABLE TO PLOT & 1NO. -63mmØ DWC PIPE FOR LV CABLE TO PLOT
3. FOR STREET LIGHT CIRCUITS REF SEPERATE DWG.

LEGEND

	TREE SYMBOL		LOAD
L1	DOUBLE ARM LIGHT POLE	7.5 M	45 W
L2	SINGLE ARMED LIGHT POLE	6.0 M	25 W
L3	SINGLE ARMED LIGHT POLE	4.5 M	25 W

GFC

Vatika India Next

Key Plan

Scale 1:50000

CLIENT
Vatika Landbase Ltd
7th Floor, Vatika Triangle,
Sushant Lok, Phase-I,
Gurgaon - 122002

CONSULTANTS
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LEGEND

Er. Vikas Mathur
B.E Electrical Engg.

R.No.	Description	Date	To	By
R8				
R7				
R6				
R5				
R4				
R3				
R2				
R1				

Revisions

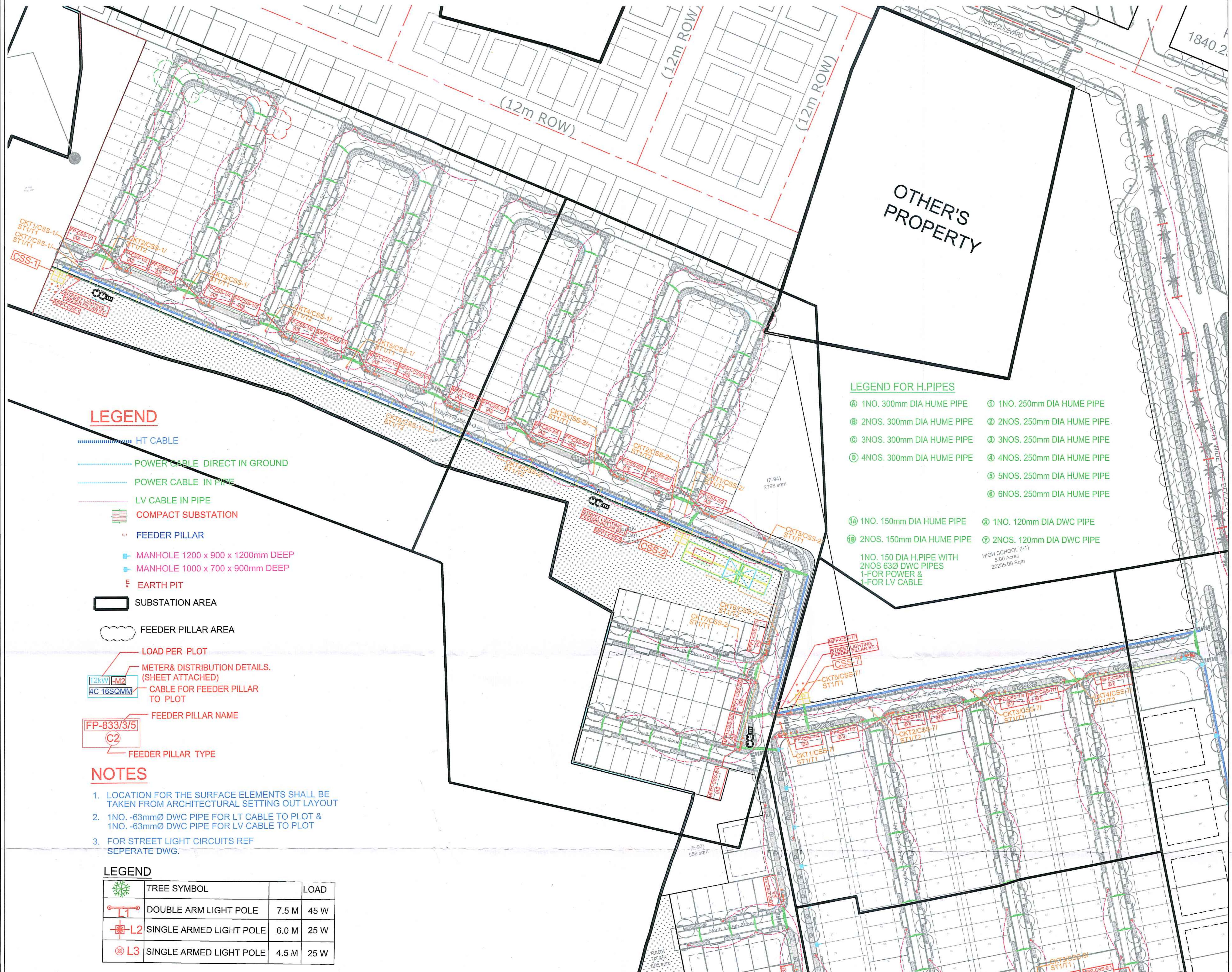
Project
VATIKA INFOTECH CITY
For-Part A

Drawing Title
SITE PLAN-PART PLAN-2
(ELECTRICAL LAYOUT)

Scale	Date	North
1:600	18.09.2018	
Job no. JOB_NO	Cad file ref.	Revision no. R0
Drawn SK	Checked AA	Approved AA

Drawing no. VL.INF-J.E-02 (II)

Vatika India Next



LEGEND FOR H.PIPES

- Ⓐ 1NO. 300mm DIA HUME PIPE
- Ⓑ 2NOS. 300mm DIA HUME PIPE
- Ⓒ 3NOS. 300mm DIA HUME PIPE
- Ⓓ 4NOS. 300mm DIA HUME PIPE
- ① 1NO. 250mm DIA HUME PIPE
- ② 2NOS. 250mm DIA HUME PIPE
- ③ 3NOS. 250mm DIA HUME PIPE
- ④ 4NOS. 250mm DIA HUME PIPE
- ⑤ 5NOS. 250mm DIA HUME PIPE
- ⑥ 6NOS. 250mm DIA HUME PIPE
- 1A 1NO. 150mm DIA HUME PIPE
- 1B 2NOS. 150mm DIA HUME PIPE
- Ⓧ 1NO. 120mm DIA DWC PIPE
- Ⓨ 2NOS. 120mm DIA DWC PIPE

1NO. 150 DIA H.PIPE WITH 2NOS 63Ø DWC PIPES
1-FOR POWER &
1-FOR LV CABLE

LEGEND

- HT CABLE
- POWER CABLE DIRECT IN GROUND
- POWER CABLE IN PIPE
- LV CABLE IN PIPE
- COMPACT SUBSTATION
- FEEDER PILLAR
- MANHOLE 1200 x 900 x 1200mm DEEP
- MANHOLE 1000 x 700 x 900mm DEEP
- EARTH PIT
- SUBSTATION AREA
- FEEDER PILLAR AREA

LOAD PER PLOT
METER& DISTRIBUTION DETAILS. (SHEET ATTACHED)
CABLE FOR FEEDER PILLAR TO PLOT
FEEDER PILLAR NAME
FEEDER PILLAR TYPE

1.2kW -M2
4C 16SQMM
FP-833/3/5
C2

NOTES

1. LOCATION FOR THE SURFACE ELEMENTS SHALL BE TAKEN FROM ARCHITECTURAL SETTING OUT LAYOUT
2. 1NO. -63mmØ DWC PIPE FOR LT CABLE TO PLOT & 1NO. -63mmØ DWC PIPE FOR LV CABLE TO PLOT
3. FOR STREET LIGHT CIRCUITS REF SEPERATE DWG.

LEGEND

			LOAD
	TREE SYMBOL		
L1	DOUBLE ARM LIGHT POLE	7.5 M	45 W
L2	SINGLE ARMED LIGHT POLE	6.0 M	25 W
L3	SINGLE ARMED LIGHT POLE	4.5 M	25 W

Key Plan

Scale 1:50000

CLIENT

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7th Floor, Vatika Triangle,
Sushant Lok, Phase-I,
Gurgaon - 122002

CONSULTANTS

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Ph 011-29521180, 29521181

LEGEND

Er. Vikas Mathur
B.E Electrical Engg.

R.No.	Description	Date	To	By
R8				
R7				
R6				
R5				
R4				
R3				
R2				
R1				

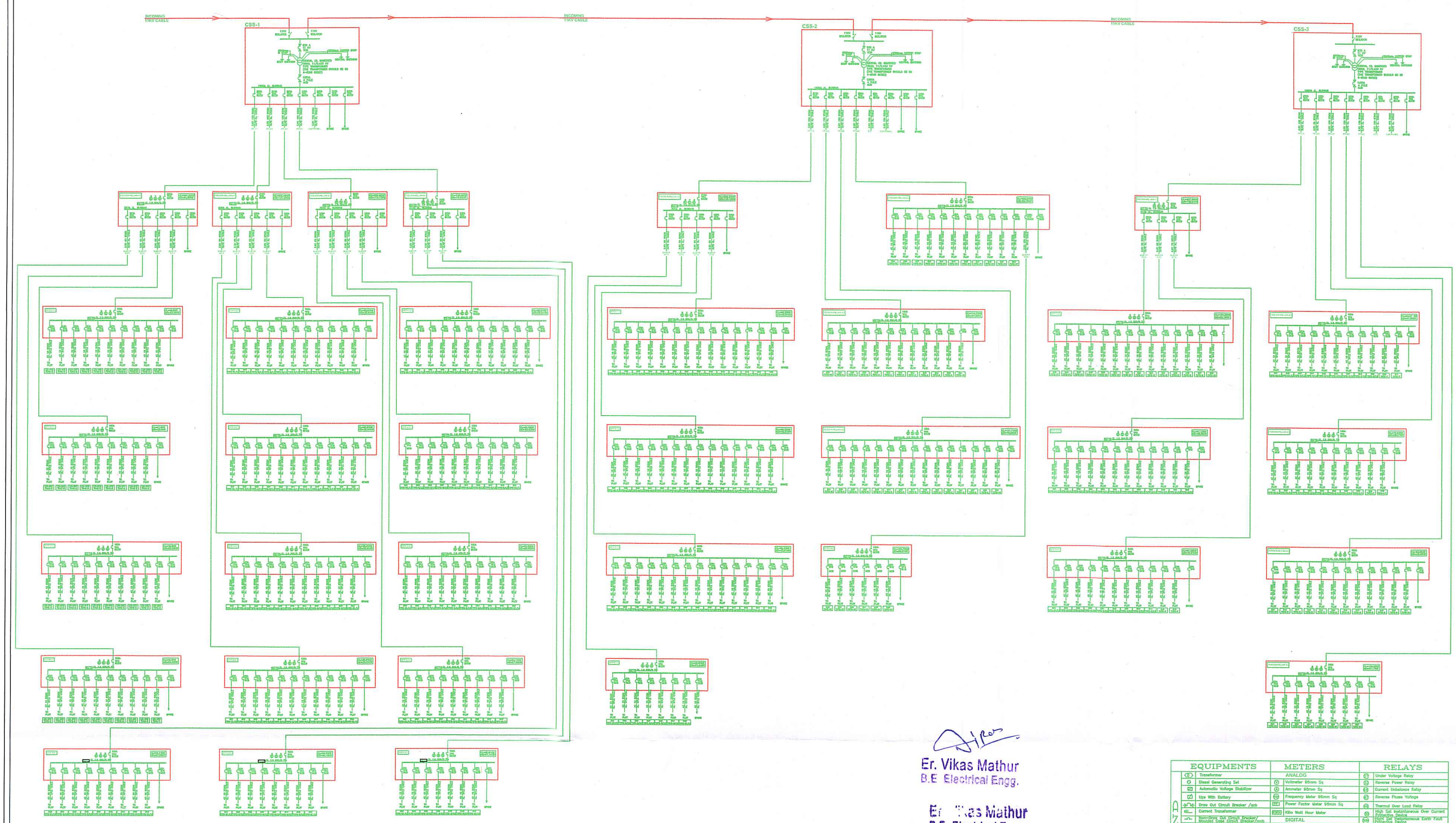
Revisions

Project
VATIKA INFOTECH CITY
For-Part A

Drawing Title
SITE PLAN-PART PLAN-1
(STREET LIGHTING LAYOUT)

Scale	Date	North
1:600	18.09.2018	
Job no.	Cad file ref.	Revision no.
JOB_NO		R0
Drawn	Checked	Approved
SK	AA	AA

Drawing no.
VL.INF-J.E-01 (I)



Er. Vikas Mathur
B.E Electrical Engg.

Er. Vikas Mathur
B.E Electrical Engg.

LEGEND

EQUIPMENTS	METERS		RELAYS
Transformer		ANALOG	Under Voltage Relay
Diesel Generating Set		Voltmeter 96mm Sq	Reverse Power Relay
Automatic Voltage Stabilizer		Ammeter 96mm Sq	Current Unbalance Relay
Ups With Battery		Frequency Meter 96mm Sq	Reverse Phase Voltage
Draw Out Circuit Breaker /acb		Power Factor Meter 96mm Sq	Thermal Over Load Relay
Current Transformer	KWH	Kilo Watt Hour Meter	High Set Instantaneous Over Current Protective Device
Non-Draw Out Circuit Breaker/ Moulded Case Circuit Breaker/mcb		DIGITAL	Hight Set Instantaneous Earth Fault Protective Device
Contactor	DM-1V	Voltmeter	Voltage Restrained High set Relay
Switch Fuse Unit	DM-1A	Ammeter	Over Current Protective Device
Switch Isolator Unit	DM-1F	Frequency	Directional Over Current Relay
Hrc Fuse	DM-2	Single Source Energy Meter	Earth Fault Protective Device
Potential Circuit Mcb	DM-2A	Single Source Energy Meter With BMS Compatibility	Directional Earth Fault Relay
Change Over Switch	DM-2B	Dual Source Energy Meter With BMS Compatibility	Voltage Restrained O.C. Relay
Auto/Manual Selector Switch	DM-3A	Dual Source Energy Meter Tariff Application -Post Paid With BMS	Over Voltage Relay
Capacitor Bank	DM-3B	Dual Source Energy Meter Tariff Application -Pre Paid With BMS	Auxiliary Relay
Push Button	DM4	Multimeter-Voltage-Phases,Neutral,Ammeter -Phases,Frequency,Power Factor-Phases	Under/Over Frequency
Trip Circuit Healthy	DM-5	Multimeter-Voltage-Phases,Neutral,Ammeter -Phases,Frequency,Power Factor-Phases, Watts-Phases,VA-Phases,VAR-Phases, WH,VAH,VARH	Master Trip Relay
Breaker ON			Differential
Breaker OFF			Anti Pumping Relay
Phase healthy Indicating lamp	ASS	Three Way And Off Ammeter Selector Switch	Automatic Power Factor Correction Relay
SPRING Charged	VSS	Three Way & Off Voltmeter Selector Switch	Single Phase Relay
DG SUPPLY FAIL INDICATION		33kv energy (kwh) meter	Voltage Monitor Relay With Phase Sequence
Body earth to Transformer			Restricted Earth Fault
Body earth to HT PANEL			Trip Circuit Supervision Relay
Neutral Isolator & Neutral grounding resistors panel (NIS & NGR PANEL)			
Potential Transformer			
PROGRAMABLE DG. CONTROLLER			
PROGRAMABLE LOGIC CONTROL			
SERIES REACTOR			
RESIDUAL VOLTAGE TRANSFORMER(RVT)			
VCCUM CONTACTOR			
PRIMING PUMP ON-OFF			
ANNUCIATOR			
NIS-ON			
NIS-OFF			
NIS TRIP			
BATTERY CHARGER			

VATIKA LIMITED

Address :-
Village: Thikaria, Prithvisinghpura,Sanjharia, Bagrukhurd,Balmukundpura
Tehsil : Sanganer, Jaipur

CLIENT

Vatika Landbase Ltd
7th Floor, Vatika Triangle,
Sushant Lok, Phase-I,
Gurgaon – 122002

CONSULTANTS

Master Planners & Landscape Architect
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Satish Khanna Associates
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Electrical Consultants
Kanwar Krishen Associates Pvt. Ltd.
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Email: akhtar@kkapl.com

Notes
1. DO NOT SCALE THE DRAWING.
2. ALL DIMENSIONS ARE IN METERS.
3. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY CONSTRUCTION OR MANUFACTURE.
4. THIS DRG TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL AND MEP SERVICES DRAWINGS. ANY DISCREPANCIES BETWEEN DRAWINGS TO BE IMMEDIATELY BROUGHT TO CONSULTANTS' ATTENTION.
5. THE DRAWING SHALL BE USED FOR THE PURPOSE ISSUED AND SHALL NOT BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT FROM THE ARCHITECT.

DRAWING STAGE
GOOD FOR CONSTRUCTION

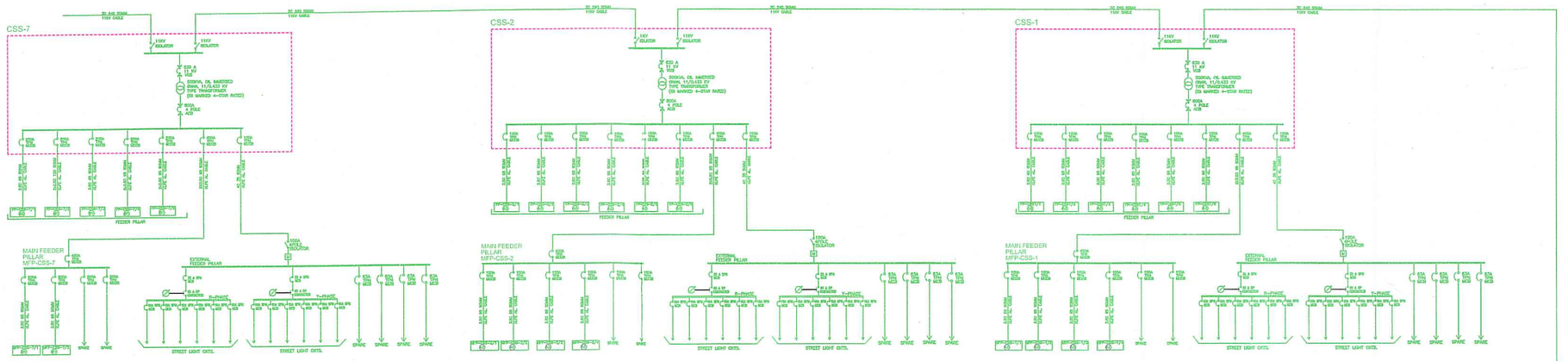
R.No.	Description	Date	To	By
R10				
R9				
R8				
R7				
R6				
R5				
R4				
R3				
R2				
R1				

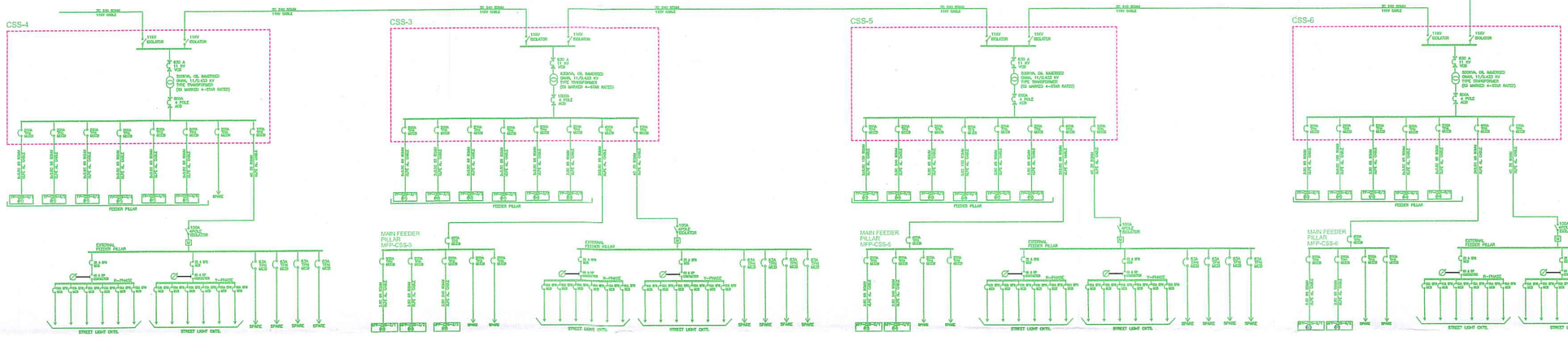
Revisions

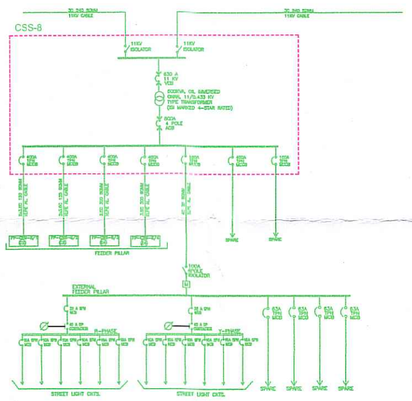
Project
VATIKA INFOTECH CITY
For-Part-A

Drawing Title

Scale	Date	North
N.T.S(A0)	23.01.2023	
Drawn	Checked	Approved
YM	SK	AS
Drawing no.		Revision no.
VICJ-WE-ED-SLD-101		R0







Er. Vikas Mathur
B.E Electrical Engg.

TENDER

VATIKA LIMITED

Key Plan

Scale 1:50000

CLIENT

Vatika Landbase Ltd
7th Floor, Vatika Triangle,
Sushant Lok, Phase-I,
Gurgaon – 122002

CONSULTANTS

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Satish Khanna & Associates
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LEGEND

Address :-
Village: Thikaria,
Prithvisinghpura,Sanjharia,
Bagrukhurd,Balmukundpura
Tehsil : Sanganer, Jaipur

Rl.No.	Description	Date	Ini.	By
R8				
R7				
R6				
R5				
R4				
R3				
R2				
R1				

Revisions

Project
VATIKA INFOTECH CITY
For-Part-A

Drawing Title
ELECTRICAL SCHEMATIC

Scale	Date	North
NTS	13.02.2018	
Job no.	Cad file ref.	Revision no.
JOB_NO		R0
Drawn	Checked	Approved
SK	AA	AA

Drawing no.
VLINF-J.E-03

LEGEND FOR H.PIPES

- Ⓐ 1NO. 300mm DIA HUME PIPE
- Ⓑ 2NOS. 300mm DIA HUME PIPE
- Ⓒ 3NOS. 300mm DIA HUME PIPE
- Ⓓ 4NOS. 300mm DIA HUME PIPE
- ① 1NO. 250mm DIA HUME PIPE
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- ④ 4NOS. 250mm DIA HUME PIPE
- ⑤ 5NOS. 250mm DIA HUME PIPE
- ⑥ 6NOS. 250mm DIA HUME PIPE
- ⑭ 1NO. 150mm DIA HUME PIPE
- ⑮ 2NOS. 150mm DIA HUME PIPE
- Ⓧ 1NO. 120mm DIA DWC PIPE
- Ⓨ 2NOS. 120mm DIA DWC PIPE

1NO. 150 DIA H.PIPE WITH
2NOS 63Ø DWC PIPES
1-FOR POWER &
1-FOR LV CABLE

LEGEND

- HT CABLE
- POWER CABLE DIRECT IN GROUND
- POWER CABLE IN PIPE
- LV CABLE IN PIPE
- COMPACT SUBSTATION
- FEEDER PILLAR
- MANHOLE 1200 x 900 x 1200mm DEEP
- MANHOLE 1000 x 700 x 900mm DEEP
- EARTH PIT
- SUBSTATION AREA
- FEEDER PILLAR AREA
- LOAD PER PLOT
- METER& DISTRIBUTION DETAILS. (SHEET ATTACHED)
- CABLE FOR FEEDER PILLAR TO PLOT
- FEEDER PILLAR NAME
- FEEDER PILLAR TYPE

12kW/ -M2
4C 16SQMM
FP-833/3/5
C2

Electrification Drawing

NOTES

1. LOCATION FOR THE SURFACE ELEMENTS SHALL BE TAKEN FROM ARCHITECTURAL SETTING OUT LAYOUT
2. 1NO. -63mmØ DWC PIPE FOR LT CABLE TO PLOT & 1NO. -63mmØ DWC PIPE FOR LV CABLE TO PLOT
3. FOR STREET LIGHT CIRCUITS REF SEPERATE DWG.

Er. Vikas Mathur
B.E Electrical Engg.

VATIKA LIMITED

Key Plan

Scale 1:50000

CLIENT

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7th Floor, Vatika Triangle, Sushant Lok, Phase-I, Gurgaon – 122002

CONSULTANTS

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LEGEND

Address :-
Village: Thikaria,
Prithvisinghpura,Sanjharia,
Bagrukhurd,Balmukundpura
Tehsil : Sanganer, Jaipur

R/No.	Description	Date	To	By
R3				
R7				
R6				
R5				
R4				
R3				
R2				
R1				

Revisions

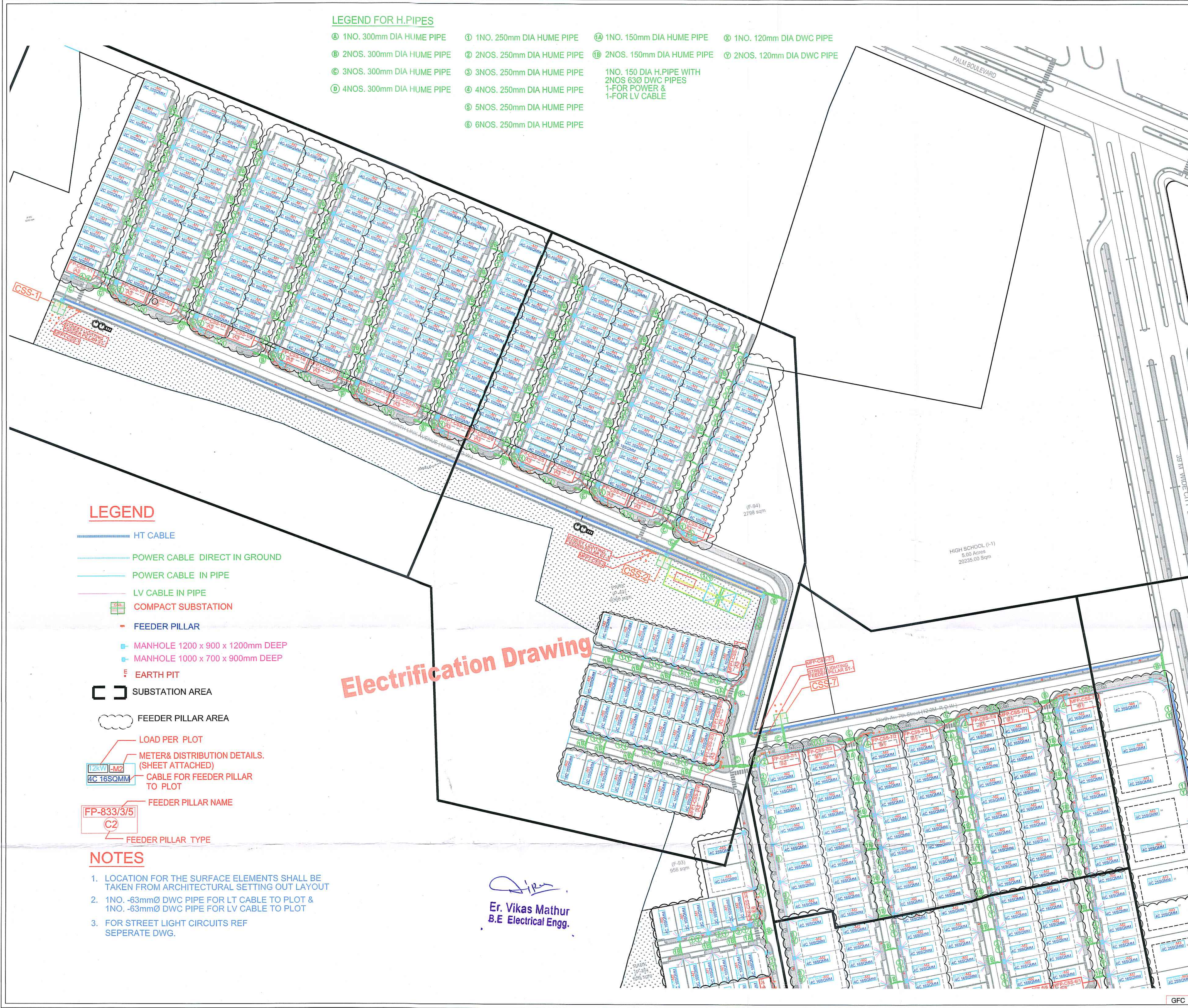
Project
VATIKA INFOTECH CITY
For-Part-A

Drawing Title

Scale	Date	North
1:600	21.07.2018	
Job no. JOB_NO	Cad file ref.	Revision no. R0
Drawn SK	Checked AA	Approved AA

Drawing no. VLINF-JE-02

GFC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⑥ 6NOS. 250mm DIA HUME PIPE
(1A) 1NO. 150mm DIA HUME PIPE
(1B) 2NOS. 150mm DIA HUME PIPE
1NO. 150 DIA H.PIPE WITH
2NOS 63Ø DWC PIPES
1-FOR POWER &
1-FOR LV CABLE
Ⓧ 1NO. 120mm DIA DWC PIPE
Ⓨ 2NOS. 120mm DIA DWC PIPE
PALM BOULEVARD
39 M WIDE CITY BOULEV
HIGH SCHOOL (I-1)
5.00 Acres
20235.00 Sqm
(F-94)
2798 sqm
(F-93)
956 sqm
CSS-1
CSS-2
CSS-7
Electrification Drawing
LEGEND
HT CABLE
POWER CABLE DIRECT IN GROUND
POWER CABLE IN PIPE
LV CABLE IN PIPE
COMPACT SUBSTATION
FEEDER PILLAR
MANHOLE 1200 x 900 x 1200mm DEEP
MANHOLE 1000 x 700 x 900mm DEEP
EARTH PIT
SUBSTATION AREA
FEEDER PILLAR AREA
LOAD PER PLOT
METER& DISTRIBUTION DETAILS.
(SHEET ATTACHED)
CABLE FOR FEEDER PILLAR
TO PLOT
12kW -M2
4C 16SQMM
FEEDER PILLAR NAME
FP-833/3/5
C2
FEEDER PILLAR TYPE
NOTES
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3. FOR STREET LIGHT CIRCUITS REF SEPERATE DWG.
Er. Vikas Mathur
B.E Electrical Engg.
GFC

VATIKA LIMITED

Key Plan

Scale 1:50000

CLIENT

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Tehsil : Sanganer, Jaipur

R.No.	Description	Date	To	By
R8				
R7				
R6				
R5				
R4				
R3				
R2				
R1				

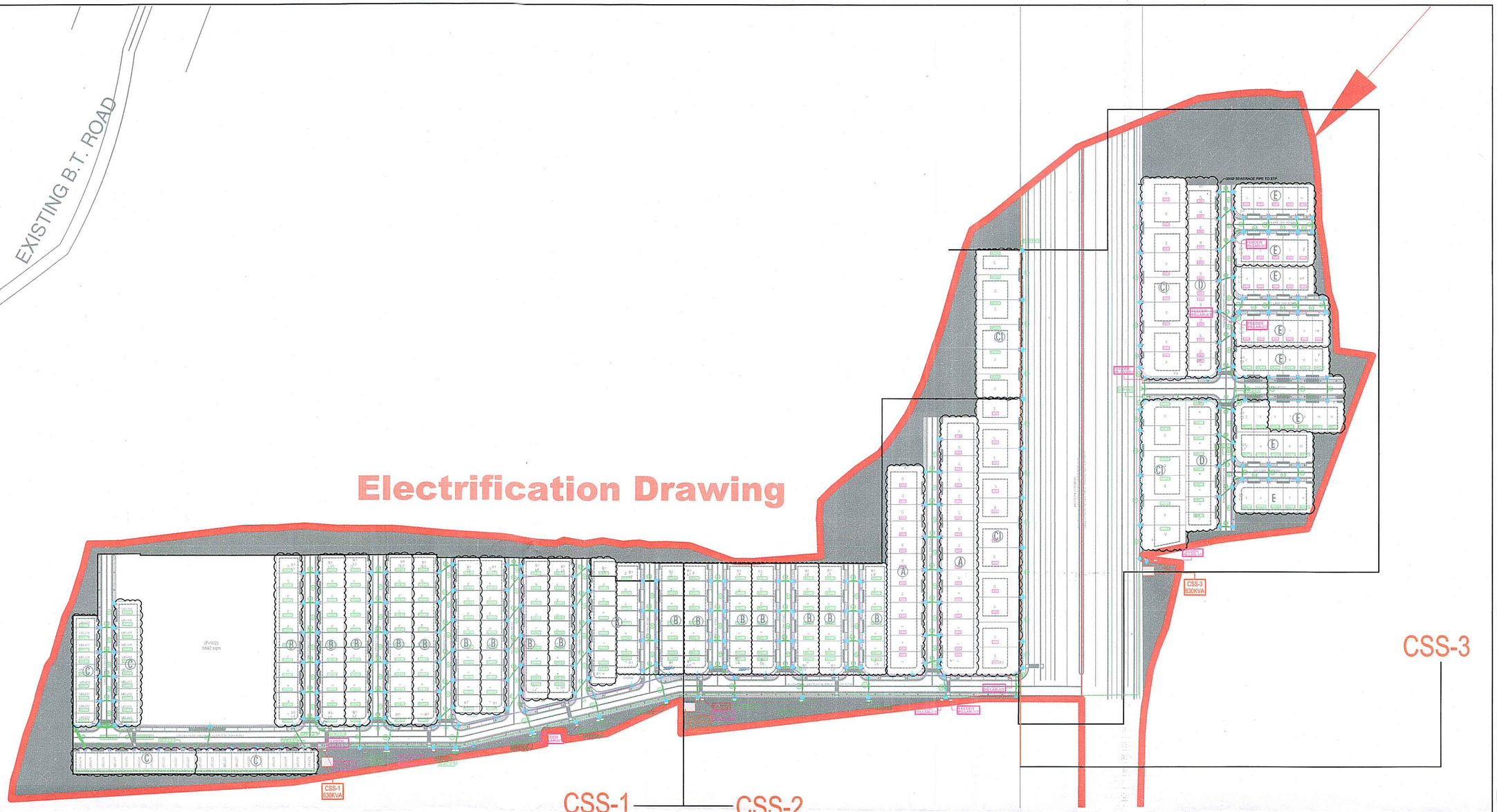
Revisions

Project
VATIKA INFOTECH CITY
For-Part-A

Drawing Title

Scale	Date	North
1:600	21.07.2018	
Job no.	Cad file ref.	Revision no.
JOB_NO		R0
Drawn	Checked	Approved
SK	AA	AA

Drawing no.
VL.INF-J.E-01



ELECTRICAL

CSS		COMPACT SUB STATION (SIZE AS/ELECTRICAL)
FP		FEEDER PILLAR (SIZE AS/ELECTRICAL)
E		EARTH PIT FOR EARTHING (AS/ELECTRICAL)
SFP		SUB FEEDER PILLAR (SIZE AS/ELECTRICAL)
EFP		EXTERNAL FEEDER PILLAR (SIZE AS/ELECTRICAL)
MH1		MANHOLE 1 FOR LT + LV SYSTEM (AS/ELECTRICAL) 1200mm L X 900mm W X 1200mm H
MH2		MANHOLE 2 FOR LT + LV SYSTEM (AS/ELECTRICAL) 1000mm L X 700mm W X 1000mm H
MH3		MANHOLE 3 FOR LT + LV SYSTEM (AS/ELECTRICAL) 1000mm L X 700mm W X 1000mm H
MH4		MANHOLE 4 FOR LT + LV SYSTEM (AS/ELECTRICAL) 600mm L X 600mm W X 600mm H
		600MM WIDE CORRIDOR FOR HT CABLE BURIED DIRECT IN GROUND (AS/ELECTRICAL)
		HUME PIPE (AS/ELECTRICAL)
		LT LINE (FEEDER PILLAR TO PLOT)
		LV LINE (FEEDER PILLAR TO PLOT)
		LT LINE (CSS TO FEDEER PILLAR)

Er. Vikas Mathur
B.E Electrical Engg.

LEGEND:-

- EARTH PIT FOR FEEDER PILLAR
- 120MM HDPE PIPE (FOR STREET LIGHTING CABLES) MAXIMUM 3NOS CABLES
- 250MM HDPE PIPE (FOR CABLES FROM FEEDER PILLAR TO PLOTS) MAXIMUM 7NOS CABLES
- 1NO. 150 DIA H.PIPE WITH 2NOS 63Ø DWC PIPES 1-FOR POWER & 1-FOR LV CABLE
- 300 DIA H.PIPE FOR CABLE CROSSING MAXIMUM 4NOS CABLES

"NUMBER INDICATES NUMBER OF PIPES"

NOTE:-

1). ALL LV CABLE LAID IN PLOT ARE IN 63MM DIA HDPE PIPE
2). ALL LV MAIN NETWORK CABLE ARE IN 120MM DIA HDPE DWC PIPES
3). ALL LT CABLE TO PLOT ARE IN 63MM DIA HDPE DWC PIPES
4). STREET LIGHTING CABLE IN 120MM DIA HDPE PIPES
5). THE SETTING OUT OF THE SURFACE ELEMNTS & MANHOLES SHALL BE AS PER ARCH CO-OD DWGS & SECTIONS

VATIKA LIMITED

Address :-
Village: Thikaria,
Prithvisinghpura,Sanjharia,
Bagrukhurd,Balmukundpura
Tehsil : Sanganer, Jaipur

CLIENT

Vatika Landbase Ltd
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Sushant Lok, Phase-I,
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CONSULTANTS

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Landscape Architect
SK-A
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Electrical Consultants
Kanwar Krishen Associates Pvt. Ltd.
F-301, Lado Sarai, New Delhi-110030
Ph. (011) 29521180 to 82
Email: akhtar@kkapl.com

Notes

1. DO NOT SCALE THE DRAWING.
2. ALL DIMENSIONS ARE IN METERS.
3. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY CONSTRUCTION OR MANUFACTURE.
4. THIS DRG TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL AND MEP SERVICES DRAWINGS. ANY DISCREPANCIES BETWEEN DRAWINGS TO BE IMMEDIATELY BROUGHT TO CONSULTANTS' ATTENTION.
5. THE DRAWING SHALL BE USED FOR THE PURPOSE ISSUED AND SHALL NOT BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT FROM THE ARCHITECT.

DRAWING STAGE

GOOD FOR CONSTRUCTION

R.No.	Description	Date	To	By
R10				
R9				
R8				
R7				
R6				
R5				
R4				
R3				
R2				
R1				

Revisions

Project
VATIKA INFOTECH CITY For-Part-A

Drawing Title

Scale	Date	North
1:1000(A1)	19.04.2023	
Drawn: YM	Checked: SK	Approved: AS
Drawing no.: VICJ-WE-ED-SP-01		Revision no.: R0