

**SEWER LEGENDS:-**

S.NO.	SYMBOL	DESCRIPTION
1.	(Circle with cross)	SEWER MANHOLE
2.	(Circle with cross and lines)	SEWER MANHOLE 800x900 MM
3.	(Square with cross)	(DWC SN-8) SEWER PIPE
4.	(Circle with number)	NODES
5.	(Square with cross and lines)	SEWAGE TREATMENT PLANT
6.	(Line with cross)	STP OVERFLOW LINE

**STORM LEGENDS:-**

S.NO.	SYMBOL	DESCRIPTION
1.	(Circle with cross)	STORM MANHOLE
2.	(Circle with cross and lines)	STORM MANHOLE 800x900 MM
3.	(Square with cross)	CATCH BASIN 600x600 MM
4.	(Line with cross)	DWC SN-8 / RCC STORM PIPE
5.	(Line with cross)	DWC SN-8 / RCC STORM PIPE
6.	(Circle with number)	NODES
7.	(Circle with 'RWH')	RAIN WATER HARVESTING PIT
8.	(Square with cross)	DE-SILTING CHAMBER

**DOMESTIC WATER SUPPLY LEGENDS:-**

S.NOS	SYMBOL	DESCRIPTION
1.	(Blue line)	100 MM D.I. DOMESTIC WATER SUPPLY
2.	(Green line)	150 MM D.I. DOMESTIC WATER SUPPLY
3.	(Red line)	200 MM D.I. DOMESTIC WATER SUPPLY
4.	(Orange line)	250 MM D.I. DOMESTIC WATER SUPPLY
5.	(Purple line)	300 MM D.I. DOMESTIC WATER SUPPLY

**FLUSHING WATER SUPPLY LEGENDS:-**

S.NO.	SYMBOL	DESCRIPTION
1.	(Blue line)	90 OD PE-100 FLUSHING WATER SUPPLY
2.	(Green line)	110 OD PE-100 FLUSHING WATER SUPPLY
3.	(Purple line)	160 OD PE-100 FLUSHING WATER SUPPLY

**LEGENDS:**

S.NO.	SYMBOL	DESCRIPTION
1.	(Square with cross)	ELECTRICAL MAN HOLE FOR LT CABLE (900x900x750)mm
2.	(Square with cross)	ELECTRICAL MAN HOLE FOR HT CABLE (900x900x900)mm
3.	(Square with cross)	ELECTRICAL MAN HOLE FOR HT CABLE (1500x1500x900)mm
4.	(Line with cross)	ELECTRICAL LT CABLE
5.	(Line with cross)	ELECTRICAL HT CABLE

- SEWER AND STORM NOTES :**
- THE SIZE OF MANHOLE SHALL BE AS UNDER (INNER SIZES )
    - UPTO 750 M.M. DEPTH 800x900 M.M. REC. MANHOLE.
    - 900 TO 1650 M.M. DEPTH 900 M.M. DIA.
    - 1650 TO 2300 M.M. DEPTH 1200 M.M. DIA.
    - ABOVE 2300 M.M. DEPTH 1500 M.M. DIA.
  - RUNGS SHALL BE PROVIDED IN EACH MANHOLE WHICH IS DEEPER THAN 800 M.M.
  - THE LEVELS OF SEWER / STORM LINES HAS BEEN WORKED OUT ON THE BASIS OF CERTAIN ROAD LEVEL AND FOR CERTAIN PIPE LENGTHS BETWEEN TWO MANHOLES. THE INVERT LEVELS HAS TO BE STRICTLY FOLLOWED. HOWEVER, THE SLOPE OF LINE MAY BE SLIGHTLY CHANGED.
  - FOR ANY DISCREPANCY / COMMISSION THE MATTER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION .
  - MANHOLE SHALL BE PROVIDED AT FOLLOWING PLACES :-
    - AT THE START OF EACH SEWER LINE.
    - AT EVERY JUNCTION AND POSITION WHERE THERE IS CHANGE OF SIZE, GRADIENT AND ALIGNMENT.
    - AT NOT MORE THAN 30 METER INTERVAL IN STRAIGHT LENGTH.
  - WHERE THE DIAMETER OF PIPE IS INCREASED THE CROWN OF THE PIPE SHALL BE FIXED AT THE SAME LEVEL AND NECESSARY SLOPE SHALL BE GIVEN IN THE INVERT OF THE MANHOLE CHAMBER
  - THE STRUCTURAL DESIGN OF MANHOLES / PIPE BEDDING HAS TO BE DONE FOR LOCAL FIELD CONDITIONS SUCH AS FILLED UP SOIL / BLACK COTTON SOIL / HIGH SUB SOIL CONDITIONS.
  - THIS DRAWING SHALL BE READ ALONG WITH THE GROUND FLOOR PLAN OF RESPECTIVE BUILDING FOR EXACT LOCATION OF APPURTENANCES / MAN HOLES ETC.
  - SEWER / STORM LINE UNDER THE ROAD SHALL BE ENCASED AS MENTIONED IN BOQ.
  - MANHOLE COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AS PER LANDSCAPE DRAWING.
  - MATERIAL OF PIPE**  
SEWER:-DWC SN-8 PIPE  
STORM :- UPTO 400 DWG SN-8 PIPE AND ABOVE RCC
  - WHEREVER ANY CONFLICT IN LEVELS BETWEEN DESIGN SHEET AND NODES / MANHOLE TAG WRITTEN ON DRAWINGS, THEN DESIGN SHEETS LINE & LEVELS SHALL BE CONSIDERED FOR EXECUTION.

- WATER SUPPLY NOTES :**
- RUNGS SHALL BE PROVIDED IN EACH MANHOLE WHICH IS DEEPER THAN 800 M.M.
  - FOR ANY DISCREPANCY / COMMISSION THE MATTER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION.
  - THE STRUCTURAL DESIGN OF CHAMBER / PIPE BEDDING HAS TO BE DONE FOR LOCAL FIELD CONDITIONS SUCH AS FILLED UP SOIL / BLACK COTTON SOIL / HIGH SUB SOIL CONDITIONS.
  - CHAMBER COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AS PER LANDSCAPE DRAWING.
  - MATERIAL OF PIPE :-**  
DOMESTIC WATER SUPPLY (a) D.I. (DUCTILE IRON)  
FLUSHING, IRRIGATION, TUBEWELL AND MUNICIPAL PE-100

STAGE : TENDER

DATE: 01.09.2021

REV.NO. -

JOB TITLE- HES-TF

REV. NOTES:

DATE:	REV.	DESCRIPTION

CLIENT :

ARCHITECT:

ICHINEN ARCHITECTS PRIVATE LIMITED  
A-5 SAVODAYA ENCLAVE, NEW DELHI - 110017

MEP CONSULTANTS:

HABITAT ENGINEERING SERVICES CONSULTANT  
A-127, Second Floor, Masoodpur  
Vasant Kunj, New Delhi-110070 Tel:  
9810620402, 7217662363  
Email : -habitatenvirosolutions@gmail.com

PROJECT :

PROPOSED RESIDENTIAL PLOTTED COLONY MEASURING 102.194 ACRE AT SECTOR -70, FARIDABAD

DWG. TITLE :

SITE PLAN  
ZONE - 2  
COORDINATED LAYOUT

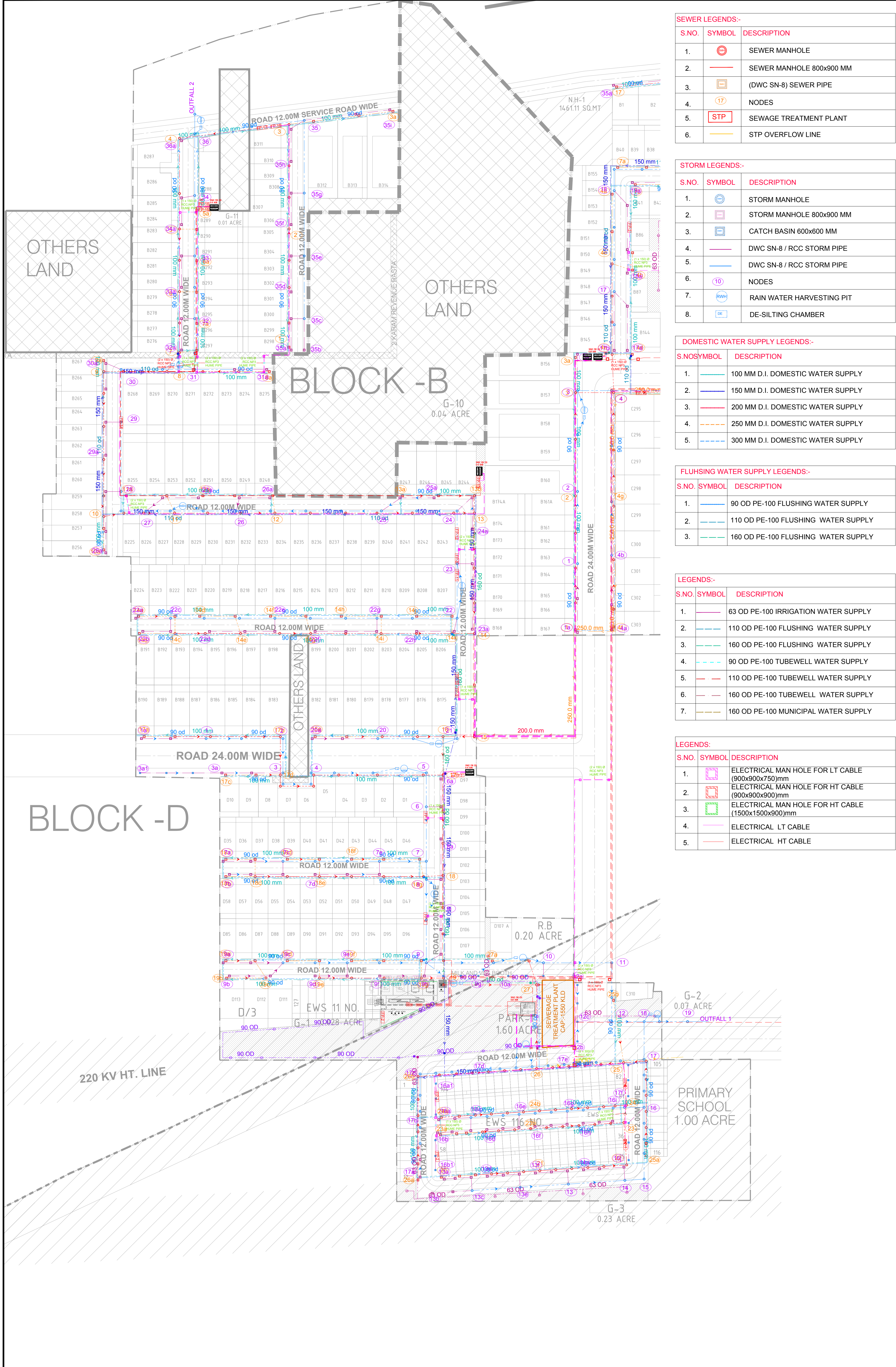
DWG. NO : HES/2021/TF/CO/00-B

SCALE : 1:1000 @ A0

DRAWN BY: NAVEEN RATHORE

CHECKED BY: PRAVEEN

APPROVED BY: JANARDAN SINGH



- SEWER AND STORM NOTES :**
- THE SIZE OF MANHOLE SHALL BE AS UNDER (INNER SIZES)
    - UPTO 750 M.M. DEPTH 800x900 M.M. REC. MANHOLE.
    - 900 TO 1650 M.M. DEPTH 900 M.M. DIA.
    - 1650 TO 2300 M.M. DEPTH 1200 M.M. DIA.
    - ABOVE 2300 M.M. DEPTH 1500 M.M. DIA.
  - RUNGS SHALL BE PROVIDED IN EACH MANHOLE WHICH IS DEEPER THAN 800 M.M.
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  - THE STRUCTURAL DESIGN OF MANHOLES / PIPE BEDDING HAS TO BE DONE FOR LOCAL FIELD CONDITIONS SUCH AS FILLED UP SOIL / BLACK COTTON SOIL / HIGH SUB SOIL CONDITIONS.
  - THIS DRAWING SHALL BE READ ALONG WITH THE GROUND FLOOR PLAN OF RESPECTIVE BUILDING FOR EXACT LOCATION OF APPURTENANCES / MANHOLES ETC.
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  - MANHOLE COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AS PER LANDSCAPE DRAWING.
  - MATERIAL OF PIPE**  
SEWER - DWG SN-8 PIPE  
STORM - UPTO 400 DWG SN-8 PIPE AND ABOVE RCC
  - WHEREVER ANY CONFLICT IN LEVELS BETWEEN DESIGN SHEET AND NODES / MANHOLE TAG WRITTEN ON DRAWINGS. THEN DESIGN SHEETS LINE & LEVELS SHALL BE CONSIDERED FOR EXECUTION.

- WATER SUPPLY NOTES :**
- RUNGS SHALL BE PROVIDED IN EACH MANHOLE WHICH IS DEEPER THAN 800 M.M.
  - FOR ANY DISCREPANCY / COMMISSION THE MATTER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION.
  - THE STRUCTURAL DESIGN OF CHAMBER / PIPE BEDDING HAS TO BE DONE FOR LOCAL FIELD CONDITIONS SUCH AS FILLED UP SOIL / BLACK COTTON SOIL / HIGH SUB SOIL CONDITIONS.
  - CHAMBER COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AS PER LANDSCAPE DRAWING.
  - MATERIAL OF PIPE :-**  
DOMESTIC WATER SUPPLY  
(a) D.I. (DUCTILE IRON)
- FLUSHING, IRRIGATION, TUBEWELL AND MUNICIPAL PE-100

**SEWER LEGENDS:-**

S.NO.	SYMBOL	DESCRIPTION
1.		SEWER MANHOLE
2.		SEWER MANHOLE 800x900 MM
3.		(DWC SN-8) SEWER PIPE
4.		NODES
5.		SEWAGE TREATMENT PLANT
6.		STP OVERFLOW LINE

**STORM LEGENDS:-**

S.NO.	SYMBOL	DESCRIPTION
1.		STORM MANHOLE
2.		STORM MANHOLE 800x900 MM
3.		CATCH BASIN 600x600 MM
4.		DWC SN-8 / RCC STORM PIPE
5.		DWC SN-8 / RCC STORM PIPE
6.		NODES
7.		RAIN WATER HARVESTING PIT
8.		DE-SILTING CHAMBER

**DOMESTIC WATER SUPPLY LEGENDS:-**

S.NO.	SYMBOL	DESCRIPTION
1.		100 MM D.I. DOMESTIC WATER SUPPLY
2.		150 MM D.I. DOMESTIC WATER SUPPLY
3.		200 MM D.I. DOMESTIC WATER SUPPLY
4.		250 MM D.I. DOMESTIC WATER SUPPLY
5.		300 MM D.I. DOMESTIC WATER SUPPLY

**FLUSHING WATER SUPPLY LEGENDS:-**

S.NO.	SYMBOL	DESCRIPTION
1.		90 OD PE-100 FLUSHING WATER SUPPLY
2.		110 OD PE-100 FLUSHING WATER SUPPLY
3.		160 OD PE-100 FLUSHING WATER SUPPLY

**LEGENDS:-**

S.NO.	SYMBOL	DESCRIPTION
1.		63 OD PE-100 IRRIGATION WATER SUPPLY
2.		110 OD PE-100 FLUSHING WATER SUPPLY
3.		160 OD PE-100 FLUSHING WATER SUPPLY
4.		90 OD PE-100 TUBEWELL WATER SUPPLY
5.		110 OD PE-100 TUBEWELL WATER SUPPLY
6.		160 OD PE-100 TUBEWELL WATER SUPPLY
7.		160 OD PE-100 MUNICIPAL WATER SUPPLY

**LEGENDS:-**

S.NO.	SYMBOL	DESCRIPTION
1.		ELECTRICAL MAN HOLE FOR LT CABLE (900x900x750)mm
2.		ELECTRICAL MAN HOLE FOR HT CABLE (900x900x900)mm
3.		ELECTRICAL MAN HOLE FOR HT CABLE (1500x1500x900)mm
4.		ELECTRICAL LT CABLE
5.		ELECTRICAL HT CABLE

STAGE :	TENDER
DATE :	01.09.2021
REV. NO. :	-
JOB TITLE - HES-1F	
REV. NOTES :	
DATE :	
REV. :	
DESCRIPTION :	
CLIENT :	
ARCHITECT :	
ICHINEN ARCHITECTS PRIVATE LIMITED A-5 SAVODANA ENCLAVE, NEW DELHI - 110017	
<b>MEP CONSULTANTS:</b> HABITAT ENGINEERING SERVICES CONSULTANT A-127, Second floor, Masoodpur Vasant Kunj, New Delhi-110070 Tel: 9810620402, 7217662363 Email : -habitatenvrosolutions@gmail.com	
<b>PROJECT :</b> PROPOSED RESIDENTIAL PLOTTED COLONY MEASURING 102.194 ACRE AT SECTOR -70, FARIDABAD	
<b>DWG. TITLE :</b> SITE PLAN ZONE - 2 COORDINATED LAYOUT	
DWG. NO. :	HES/2021/TF/CO/00-A
SCALE :	1:800 @ A0
DRAWN BY :	NAVEEN RATHORE
CHECKED BY :	PRAVEEN
APPROVED BY :	JANARDAN SINGH