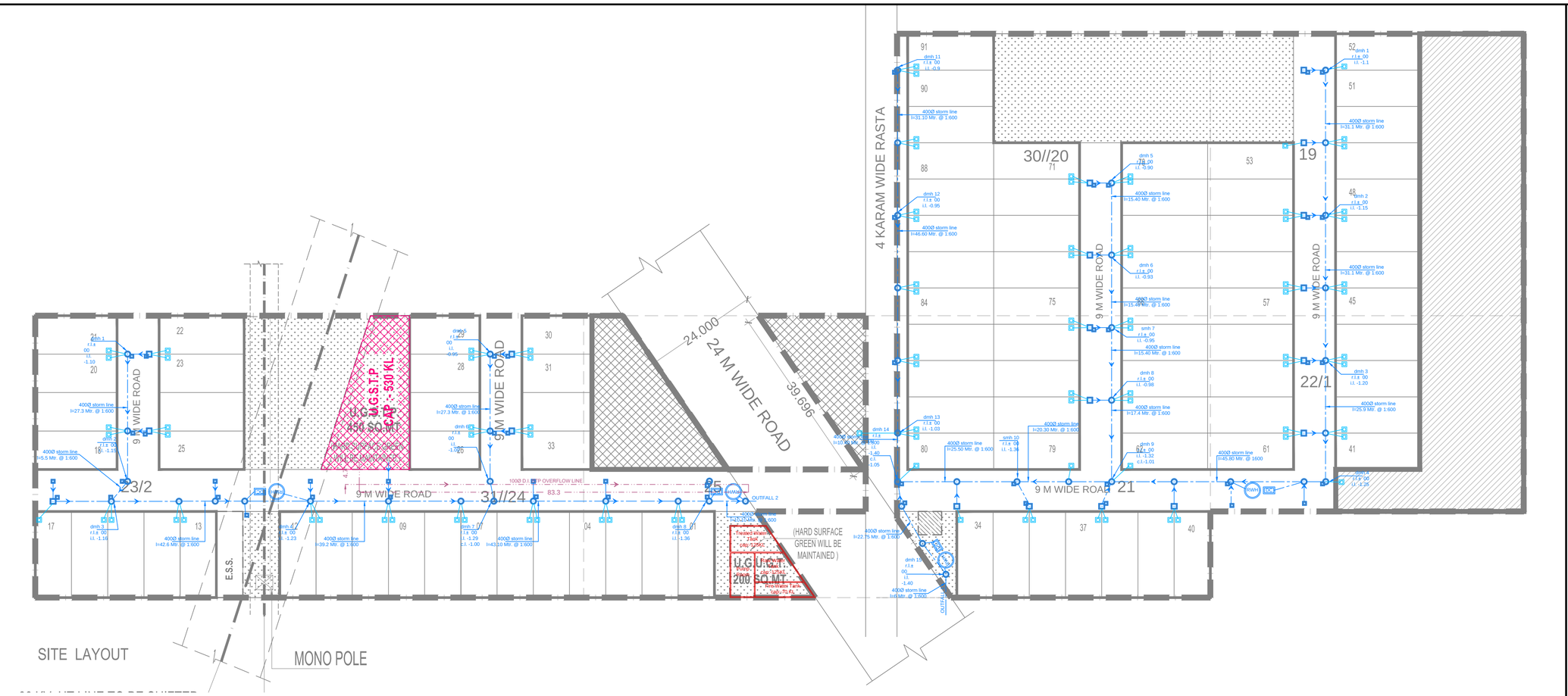

STORM LEGENDS:-		
S.NO.	SYMBOL	DESCRIPTION
1.		STORM CIRCULAR MANHOLE (DEPTH ABOVE 900 MM)
2.		STORM RECTANGULAR MANHOLE 800x900 MM (DEPTH BELOW 900 MM)
3.		CATCH BASIN 450 x 450 MM
4.		STORM MANHOLE 600x600 MM (INSIDE PLOT)
5.	———	(DWC SN-4) STORM PIPE (PLOT CONNECTION)
6.	———	STORM RCC NP 2 / NP 3 PIPE
7.	R.L.	ROAD LEVEL
8.	I.L.	INVERT LEVEL
9.	C.L.	CONNECTION LEVEL
10.	RWH	RAIN WATER HARVESTING PIT
11.	DC	DE-SILTING CHAMBER

NOTES :

1. THE SIZE OF MANHOLE SHALL BE AS UNDER (INNER SIZES)
   a) UPTO 900 M.M. DEPTH 800x900 M.M. REC. MANHOLE.
   b) 900 TO 1650 M.M. DEPTH 900 M.M. DIA.
   c) 1650 TO 2300 M.M. DEPTH 1200 M.M. DIA.
   d) ABOVE 2300 M.M. DEPTH 1500 M.M. DIA.
2. RUNGS SHALL BE PROVIDED IN EACH MANHOLE WHICH IS DEEPER THAN 800 M.M.
3. THE LEVELS OF SEWER / STORM LINES HAS BEEN WORKED OUT ON THE BASIS OF CERTAIN GROUND 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.
4. FOR ANY DISCREPANCY / COMMISSION THE MATTER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION.
5. MANHOLE SHALL BE PROVIDED AT FOLLOWING PLACES :-
   a) AT THE START OF EACH SEWER LINE.
   b) AT EVERY JUNCTION AND POSITION WHERE THERE IS CHANGE OF SIZE, GRADIENT AND ALIGNMENT.
   c) AT NOT MORE THAN 30 METER INTERVAL IN STRAIGHT LENGTH.
6. 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.
7. 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.
8. THIS DRAWING SHALL BE READ ALONG WITH THE GROUND FLOOR PLAN OF RESPECTIVE BUILDING FOR EXACT LOCATION OF APPURTENANCES / MAN HOLES ETC.
9. SEWER / STORM LINE UNDER THE ROAD SHALL BE ENCASED AS MENTIONED IN BOQ.
10. MANHOLE COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AS PER LANDSCAPE DRAWING.
11. WHEREVER ANY CONFLICT IN LEVELS BETWEEN DESIGN SHEET AND NdES / MANHOLE TAG WRITTEN ON DRAWINGS. THEN DESIGN SHEETS LINE & LEVELS SHALL BE CONSIDERED FOR EXECUTION.

HYDRAULIC DESIGN CHART FOR STORM WATER DRAINAGE NETWORK

Node		Diameter	Slope (1 in N)	L.O.P.	F.I.L.	Levels at Start		Levels at End		Depth	
From	To	mm	1:n	mtrs.	mtrs.	RL	IL	RL	IL	mtrs	mtrs
OUTFALL 1											
1	2	400	600	31.10	0.052	0.00	-1.10	0.00	-1.15	1.10	1.15
2	3	400	600	31.10	0.052	0.00	-1.15	0.00	-1.20	1.15	1.20
3	4	400	600	25.90	0.043	0.00	-1.20	0.00	-1.25	1.20	1.25
4	9	400	600	45.80	0.076	0.00	-1.25	0.00	-1.32	1.25	1.32
5	6	400	600	15.40	0.026	0.00	-0.90	0.00	-0.93	0.90	0.93
6	7	400	600	15.40	0.026	0.00	-0.93	0.00	-0.95	0.93	0.95
7	8	400	600	15.40	0.026	0.00	-0.95	0.00	-0.98	0.95	0.98
8	9	400	600	17.40	0.029	0.00	-0.98	0.00	-1.01	0.98	1.01
9	10	400	600	20.30	0.034	0.00	-1.32	0.00	-1.36	1.32	1.36
10	14	400	600	25.50	0.043	0.00	-1.36	0.00	-1.40	1.36	1.40
11	12	400	600	31.10	0.052	0.00	-0.90	0.00	-0.95	0.90	0.95
12	13	400	600	46.60	0.078	0.00	-0.95	0.00	-1.03	0.95	1.03
13	14	400	600	10.40	0.017	0.00	-1.03	0.00	-1.05	1.03	1.05
14	15	400	600	22.75	0.038	0.00	-1.40	0.00	-1.44	1.40	1.44
15	Outfall 1	400	600	6.00	0.010	0.00	1.40	0.00	1.39	-1.40	-1.39

HYDRAULIC DESIGN CHART FOR STORM WATER DRAINAGE NETWORK

Node		Diameter	Slope (1 in N)	L.O.P.	F.I.L.	Levels at Start		Levels at End		Depth	
From	To	mm	1:n	mtrs.	mtrs.	RL	IL	RL	IL	mtrs	mtrs
OUTFALL 2											
1	2	400	600	27.30	0.046	0.00	-1.10	0.00	-1.15	1.10	1.15
2	3	400	600	5.50	0.009	0.00	-1.15	0.00	-1.15	1.15	1.15
3	4	400	600	42.60	0.071	0.00	-1.15	0.00	-1.23	1.15	1.23
4	7	400	600	39.20	0.065	0.00	-1.23	0.00	-1.29	1.23	1.29
5	6	400	600	27.30	0.046	0.00	-0.95	0.00	-1.00	0.95	1.00
6	7	400	600	4.30	0.007	0.00	-1.00	0.00	-1.00	1.00	1.00
7	8	400	600	43.10	0.072	0.00	-1.29	0.00	-1.36	1.29	1.36
8	Outfall 2	400	600	10.10	0.017	0.00	-1.36	0.00	-1.38	1.36	1.38

STAGE : PHE SUBMISSION

DATE: 12.05.2022

REV.NO. -

JOB TITTLE-

REV. NOTES:

DATE:	REV.	DESCRIPTION

CLIENT :

ARCHITECT:

VIKAS AHLAWAT ARCHITECTS
ARCHITECTURE , INTERIORS , PLANNING
Unit.No.303,Ninex Time Center,
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MEP CONSULTANT:
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606, Madhuban Building, 55 Nehru Place,
New Delhi - 110 019
Ph: 91 11 66274552-54
E-Mail: mjc@mjc.co.in

PROJECT :
PROPOSED SITE FOR D.D.J.A.Y. AFFORDABLE PLOTTED COLONY OVER AN OVER AREA OF 6.00625 ACRES (48K-1M) AT RECT./KILLA NO. 30//19,20,21MIN,22/1, 31//23/2, 24 AND 25MIN FALLING IN THE REVENUE ESTATE OF VILLAGE GOPALPUR, SECTOR 99A, TEHSIL & DISTT. GURUGRAM. BEING

DWG. TITLE :
SITE PLAN LAYOUT
STORM WATER DRAINAGE NETWORK

DWG. NO :

SCALE : 1:350 @ A1

DRAWN BY:

CHECKED BY :

APPROVED BY: