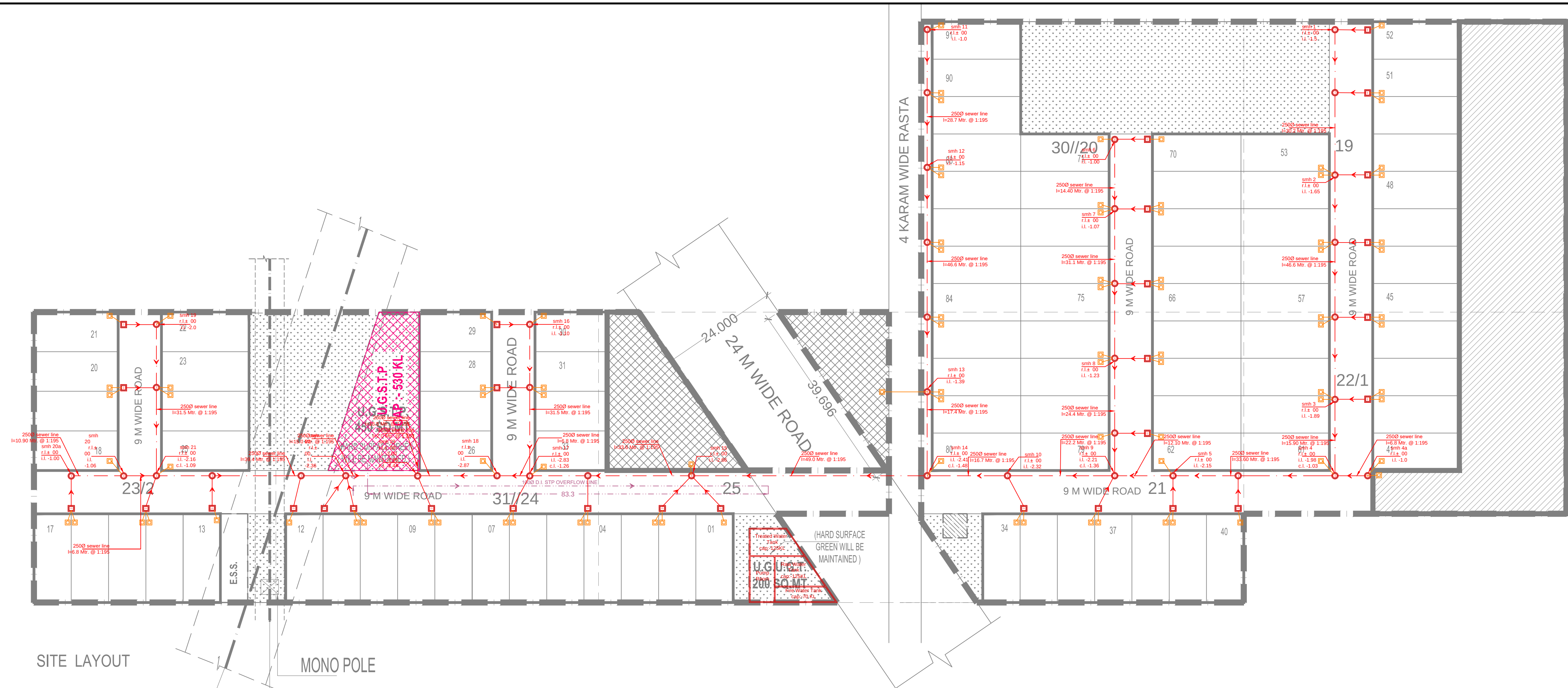




SEWER LEGENDS:-		
S.NO.	SYMBOL	DESCRIPTION
1.		SEWER CIRCULAR MANHOLE (DEPTH ABOVE 900 MM)
2.		SEWER RECTANGULAR MANHOLE 800x900 MM (DEPTH BELOW 900 MM)
3.		SEWER MANHOLE 600x600 MM (INSIDE PLOT)
4.		(DWC SN-4) SEWER PIPE (PLOT CONNECTION)
5.		(DWC SN-8) SEWER PIPE
6.	R.L.	ROAD LEVEL
7.	I.L.	INVERT LEVEL
8.	C.L.	CONNECTION LEVEL
9.		SEWAGE TREATMENT PLANT

- NOTES :**
- 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.
 - 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 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.
 - FOR ANY DISCREPANCY / COMMISSION THE MATTER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION.
 - 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.
 - 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.
 - 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 SEWERAGE NETWORK											
Node		Diamete r	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	mt
1	2	250	195	30.20	0.155	0.00	-1.50	0.00	-1.65	1.50	1.4
2	3	250	195	46.60	0.239	0.00	-1.65	0.00	-1.89	1.65	1.3
3	4	250	195	15.90	0.082	0.00	-1.89	0.00	-1.98	1.89	1.5
4a	4	250	195	6.80	0.035	0.00	-1.00	0.00	-1.03	1.00	1.0
4	5	250	195	33.60	0.172	0.00	-1.98	0.00	-2.15	1.98	2.
5	9	250	195	12.10	0.062	0.00	-2.15	0.00	-2.21	2.15	2.2
6	7	250	195	14.40	0.074	0.00	-1.00	0.00	-1.07	1.00	1.0
7	8	250	195	31.10	0.159	0.00	-1.07	0.00	-1.23	1.07	1.2
8	9	250	195	24.40	0.125	0.00	-1.23	0.00	-1.36	1.23	1.1
9	10	250	195	22.20	0.114	0.00	-2.21	0.00	-2.32	2.21	2.2
10	14	250	195	16.70	0.086	0.00	-2.32	0.00	-2.41	2.32	2.4
11	12	250	195	28.70	0.147	0.00	-1.00	0.00	-1.15	1.00	1.
12	13	250	195	46.60	0.239	0.00	-1.15	0.00	-1.39	1.15	1.1
13	14	250	195	17.40	0.089	0.00	-1.39	0.00	-1.48	1.39	1.4
14	15	250	195	49.00	0.251	0.00	-2.41	0.00	-2.66	2.41	2.6
15	17	250	195	33.60	0.172	0.00	-2.66	0.00	-2.83	2.66	2.3
16	17	250	195	31.50	0.162	0.00	-1.10	0.00	-1.26	1.10	1.1
17	18	250	195	6.80	0.035	0.00	-2.83	0.00	-2.87	2.83	2.1
18	23	250	195	16.50	0.085	0.00	-2.87	0.00	-2.95	2.87	2.4
19	21	250	195	31.50	0.162	0.00	-2.00	0.00	-2.16	2.00	2.
20a	20	250	195	10.90	0.056	0.00	-1.00	0.00	-1.06	1.00	1.0
20	21	250	195	6.80	0.035	0.00	-1.06	0.00	-1.09	1.06	1.0
21	23	250	195	39.40	0.202	0.00	-2.16	0.00	-2.36	2.16	2.2
22	23	250	195	15.00	0.077	0.00	-2.36	0.00	-2.44	2.36	2.4

STAGE : PHE SUBMISSION

DATE: 12.05.2022

REV.NO. -

JOB TITLE-

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
SEWERAGE NETWORK

DWG. NO :

SCALE : 1:350 @ A1

DRAWN BY:

CHECKED BY :

APPROVED BY: