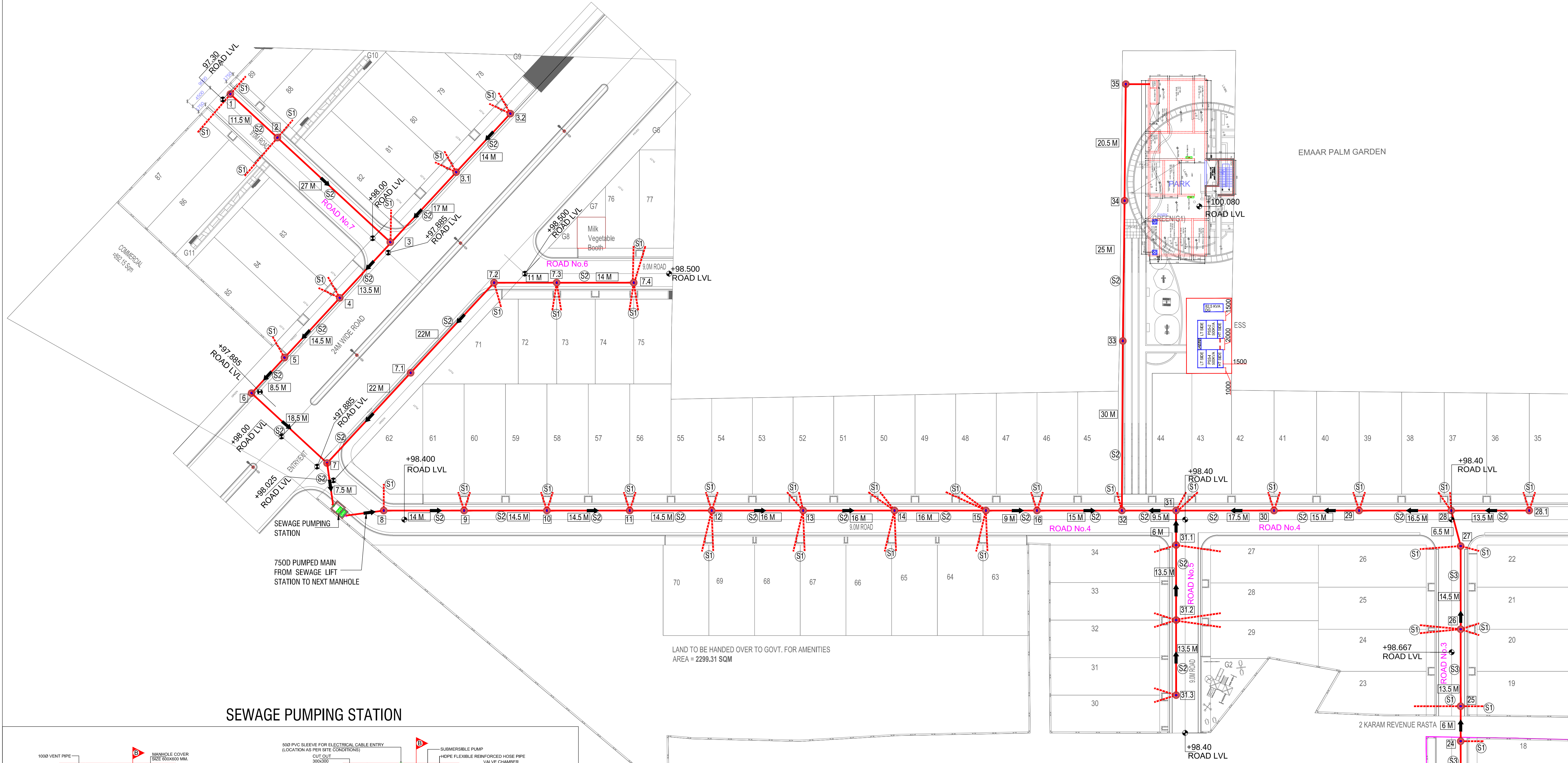
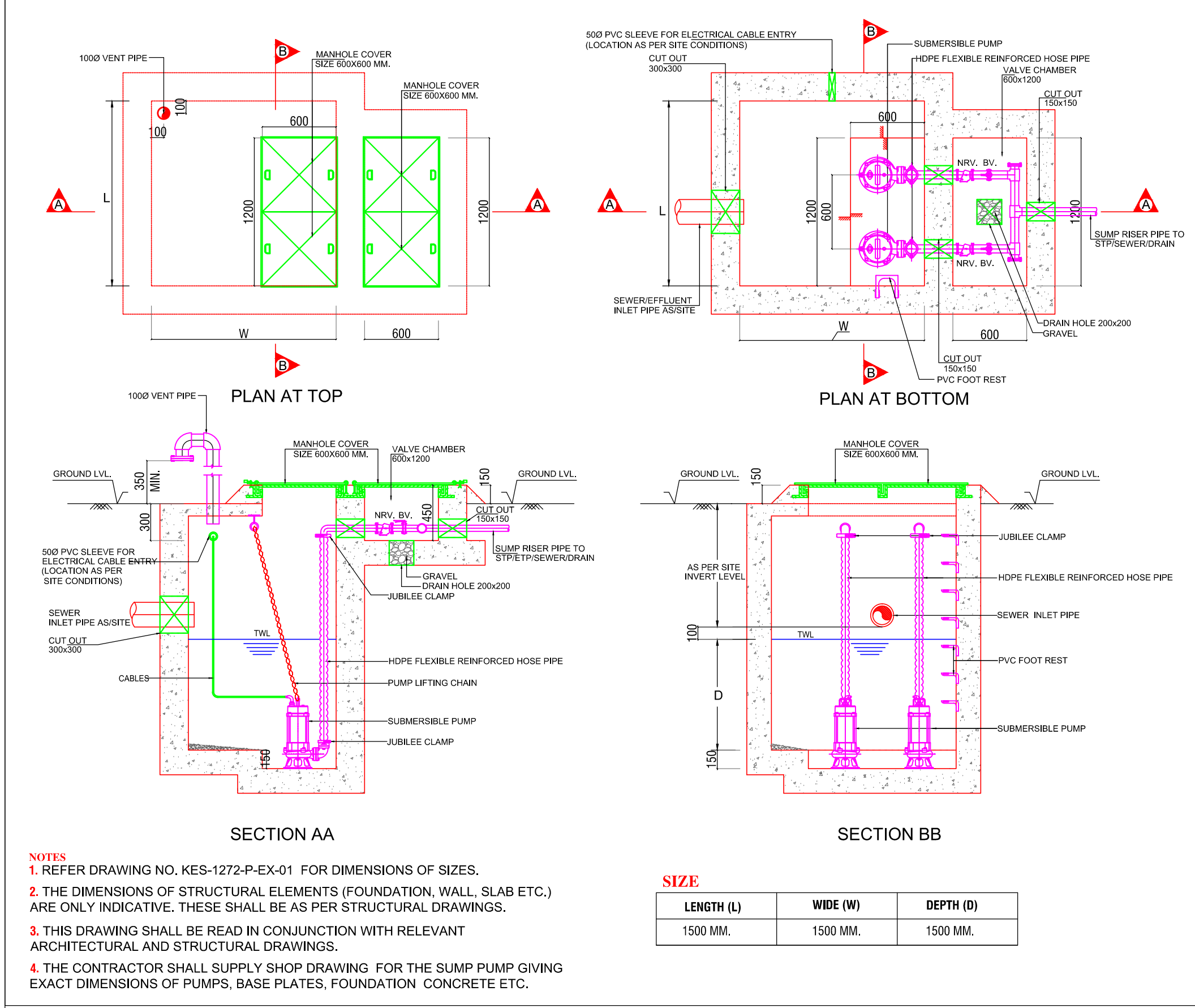




SEWAGE PUMPING STATION



- NOTES:
1. ALL THE DIMENSIONS MENTIONED ARE IN MM.
 2. ALL LEVELS INDICATED ARE IN MM.
 3. DRAWINGS NOT TO BE SCALED ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
 4. DIMENSIONS - LEVELS AS SHOWN TO BE VERIFIED AT SITE BEFORE COMMENCEMENT OF WORK.
 5. ANY DISCREPANCIES FOUND IN THE DRAWING SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT BEFORE EXECUTION.
 6. RELEVANT SERVICES DRG. TO BE READ SIMULTANEOUSLY.
 7. ALL CENTRE LINE DIMENSIONS WITH REFERENCE TO (0,0).
 8. ALL LEVELS INDICATED ARE FINISHED LEVELS.
 9. FINISHED FLOOR TO BE 50MM FROM UNFINISHED FLOOR LEVELS.
 10. ALL MATERIALS, FINISHES ETC TO BE AS SPECIFIED AND APPROVED.

KEY PLAN

STAMP

STAMP

STAMP

STAMP

PROJECT: DDJAY 83, AFFORDABLE PLOTTED TOWNSHIP, SECTOR - 83 GURGRAM (HARAYANA)

PROJECT NO. 1544
CLIENT: ORRIS FLOREAL TOWER GURGRAM (HARAYANA)
LOCATION: GURGRAM (HARAYANA)

STAMP

REV. NO.	DESCRIPTION	DATE	ISSUED BY	NO.
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REVISIONS:

DISCIPLINE

ARCHITECTURAL DRAWING

DRG. NO. KES-1544-EX-PHE-01B

DRG. TITLE SITE PLAN - SEWERAGE LAYOUT

SCALE: 1:500	DATE (RO): 10.11.2022	REVISION RO	REV. DATE :	
DEALT BY: AJIT	CHECKED BY: M.BATRA	STATUS: WORKING DRAWING		

THIS DRAWING IS THE SOLE PROPERTY OF SAHA & ASSOCIATES USE OF THIS DRAWING FOR ANY PURPOSE OTHER THAN THAT MENTIONED TO BE DONE ONLY AFTER THEIR PRIOR APPROVAL.

- IMPORTANT NOTES**
- 1- THIS DRAWING SHALL BE COORDINATED WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS.
 - 2- THE FEASIBILITY OF MAKING CONNECTION OF THE SEWERAGE AND STORM DRAIN LINE AT OUTFALL SHALL BE ASCERTAINED BEFORE STARTING THE WORK .
- NOTES**
- 1- ALL PIPE DIAMETERS ARE IN MM.
 - 2- ALL WORKS ARE TO BE CARRIED OUT AS PER SPECIFICATIONS.
 - 3- GROUND LEVELS AS PER MENTIONED ARE TENTATIVE. THESE SHALL MATCH WITH FORMATION LEVELS AS GIVEN BY ARCHITECTS.
 - 4- FIGURE SHOWN THUS 20M ARE DISTANCE BETWEEN MANHOLES (CENTRE TO CENTRE), THESE DISTANCES ARE INDICATIVE AND SHALL BE ADJUSTED AS PER ACTUAL SITE CONDITION.
 - 5- MANHOLES SOAK TRENCH, DRAIN SOAKPIT AND ROAD GULLY SHALL BE CONSTRUCTED AS PER STANDARD DETAILS
 - 6- STORM WATER DRAINAGE LAYOUT IS INDICATIVE. DRAINS SHALL BE LAID AND ALIGNED AS PER ACTUAL ROAD SECTION AND LEVEL.
 - 7- WHEREVER DRAIN CROSSES A ROAD OR PAVEMENT, IT SHALL BE COVERED WITH PRECAST SLAB, DESIGNED TO TAKE VEHICULAR LOAD AT THAT POINT.
 - 8- STANDARD DETAIL REFER DWG NUMBER KES-KES-1544-EX-PHE-01E

LEGEND		
SEWERAGE PIPE LINE 1500		
SEWERAGE PIPE LINE 2000		
SEWERAGE MANHOLE		

SEWER PIPES SCHEDULE					
TAG NO.	DIA	SLOPE	MATERIAL	REMARK	
S1	160	1:90	DWC HDPE		
S2	200	1:190	DWC HDPE		
S3	200	1:100	DWC HDPE	AS PER ROAD SLOPE	

- IMPORTANT NOTE**
- a. THE INVERT LVL OF THE BRANCH MANHOLE WILL BE GOVERNED BY VILLA PLINTH LVL
 - b. REFER COORDINATED ROAD SECTION AS PROVIDED BY ARCHITECT FOR THE EXACT ALIGNMENT OF THE SEWER LINE
 - c. FOR EXACT LOCATION OF MANHOLE REFER ARCHITECTURE CO-ORDINATION LAYOUT
 - d. REFER DETAILS OF MANHOLES (ANNEXURE TO DRG. NO. KES-1544-EX-PHE-01B)

PROJECT : ORRIS INFRASTRUCTURE													
(ANNEXURE TO DRG.) REFERENCE DRAWING NO - KES-1544-EX-PHE-01B													
SEWERAGE													
LINE REFERENCE FROM	TO	LENGTH (M)	PIPE SIZE (mm)	MANHOLE SIZE IN DIA	GRADIENT	FALL IN LINE (M)	GROUND LEVEL		INVERT LEVEL		MANHOLE DEPTH	REMARK	
							START	END	START	END			
1	2	11.50	200	900	1/190	0.06	97.30	96.40	97.30	96.34	IL	0.96	
2	3	27.00	200	900	1/190	0.14	97.30	-	96.34	96.20	IL	1.10	
3.2	3.1	14.00	200	900	1/190	0.07	97.89	-	96.99	96.91	IL	0.97	
3.1	3	17.00	200	900	1/190	0.09	97.89	-	96.91	96.82	CL	1.06	
3	4	13.50	200	1200	1/190	0.07	97.89	-	96.20	96.13	IL	1.76	
4	5	14.50	200	1200	1/190	0.08	97.89	-	96.13	96.05	IL	1.84	
5	6	8.50	200	1200	1/190	0.04	97.89	-	96.05	96.01	IL	1.88	
6	7	18.50	200	1200	1/190	0.10	97.89	-	96.01	95.91	IL	1.98	
7.4	7.3	14.00	200	900	1/190	0.07	98.50	-	97.60	97.53	IL	0.97	
7.3	7.2	11.00	200	900	1/190	0.06	98.50	-	97.53	97.47	CL	1.03	
7.2	7.1	22.00	200	900	1/190	0.12	97.89	-	96.99	96.87	IL	1.02	
7.1	7	22.00	200	900	1/190	0.12	97.89	-	96.87	96.75	CL	1.13	
7	Sewage Pumping Station	7.50	200	1200	1/190	0.04	97.89	-	95.91	95.87	IL	2.02	
8	9	14.00	200	900	1/190	0.07	98.40	-	97.50	97.43	IL	0.97	
9	10	14.50	200	900	1/190	0.08	98.40	-	97.43	97.35	IL	1.05	
10	11	14.50	200	900	1/190	0.08	98.40	-	97.35	97.27	IL	1.13	
11	12	14.50	200	900	1/190	0.08	98.40	-	97.27	97.20	IL	1.20	
12	13	16.00	200	900	1/190	0.08	98.40	-	97.20	97.11	IL	1.29	
13	14	16.00	200	900	1/190	0.08	98.40	-	97.11	97.03	IL	1.37	
14	15	16.00	200	900	1/190	0.08	98.40	-	97.03	96.94	IL	1.46	
15	16	9.00	200	900	1/190	0.05	98.40	-	96.94	96.90	IL	1.50	
16	32	15.00	200	900	1/190	0.08	98.40	-	96.90	96.82	IL	1.58	
17	18	14.50	200	900	1/100	0.15	99.75	-	98.85	98.71	CL	1.05	As per road slope
18	19	14.50	200	900	1/100	0.15	99.45	-	98.55	98.41	CL	1.05	As per road slope
19	20	10.00	200	900	1/100	0.10	99.25	-	98.35	98.25	IL	1.00	As per road slope
20	21	16.00	200	900	1/100	0.16	99.15	-	98.25	98.09	CL	1.06	As per road slope
21	22	10.50	200	900	1/100	0.11	99.15	-	98.25	98.15	CL	1.01	As per road slope
22	23	11.50	200	900	1/100	0.12	99.00	-	98.10	97.99	CL	1.02	As per road slope
23	24	12.50	200	900	1/100	0.13	98.94	-	97.94	97.82	CL	1.03	As per road slope
24	25	6.00	200	900	1/100	0.06	98.65	-	97.75	97.69	CL	0.96	As per road slope
25	26	13.50	200	900	1/100	0.14	98.65	-	97.75	97.62	CL	1.04	As per road slope
26	27	14.50	200	900	1/100	0.15	98.50	-	97.60	97.46	IL	1.05	As per road slope
27	28	6.50	200	900	1/100	0.07	98.40	-	97.46	97.39	IL	1.01	As per road slope
28.1	28	13.50	200	900	1/190	0.07	98.40	-	97.50	97.43	CL	0.97	
28	29	16.50	200	900	1/190	0.09	98.40	-	97.39	97.30	IL	1.10	
29	30	15.00	200	900	1/190	0.08	98.40	-	97.30	97.22	IL	1.18	
30	31	17.50	200	900	1/190	0.09	98.40	-	97.22	97.13	IL	1.27	
31	32	8.50	200	900	1/190	0.05	98.40	-	97.13	97.08	CL	1.32	
31.3	31.2	13.50	200	900	1/190	0.07	98.40	-	97.50	97.43	IL	0.97	
31.2	31.1	13.50	200	900	1/190	0.07	98.40	-	97.43	97.36	IL	1.04	
31.1	31	6.00	200	900	1/190	0.03	98.40	-	97.36	97.33	CL	1.07	
32	33	30.00	200	1200	1/190	0.16	98.40	-	96.82	96.66	IL	1.74	
33	34	25.00	200	1200	1/190	0.13	98.40	-	96.66	96.53	IL	1.87	
34	35	20.50	200	1200	1/190	0.11	100.08	-	96.53	96.42	IL	3.66	
35	STP	3.00	200	1200	1/190	0.03	100.08	-	96.53	96.50	IL	3.58	

ISSUED FOR CONSTRUCTION
KRIM ENGINEERING SERVICES PVT. LTD.
10/11/22
TO BE CO-ORDINATED WITH OTHER SERVICES ALSO