



DETAILS OF SEWER LINES					
S.no.	Node No.		Length (m)	Dia (mm)	Slope (mm)
	From	To			
1	1	2	18	200	200
2	2	3	18	200	200
3	3	4	18	200	200
4	4	5	12	250	250
5	5	6	25	250	250
6	6	7	25	250	250
7	7	8	19	250	250
8	8	9	16	250	250
9	9	10	19	250	250
10	10	n		250	250
11	11	12	18	200	200
12	12	13	18	200	200
13	13	14	18	200	200
14	14	7	12	250	250

- NOTES :**
- THE SIZE OF MANHOLE SHALL BE AS UNDER (INNER SIZES)
 - a) UPTO 800 M.M. DEPTH 750 X 750 M.M.
 - b) 800 TO 1250 M.M. DEPTH 900 M.M. DIA.
 - c) ABOVE 1250 M.M. DEPTH 1200 M.M. DIA.
 - THE SIZE OF SERVICE MANHOLE SHALL BE AS UNDER (INNER SIZES)
 - a) SAME SIDE OF SEWER LINE 450 X 450 X 450 MM.
 - M. S. RUNGS SHALL BE PROVIDED IN EACH MANHOLE WHICH IS DEEPER THAN 800 M.M.
 - THE LEVELS OF SEWER 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 DESCRIPIENCY / OMISSION 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 LINE UNDER THE ROAD SHALL BE ENCASED WITH 150 TH, PCC 1:2:4 ALLROUND.
 - MANHOLE COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AS PER LANDSCAPE DRAWING.
 - THIS DRAWING SHALL BE COORDINATED WITH OTHER DRAWING I.e. ARCHITECTURE, STRUCTURAL, ELECTRICAL, LANDSCAPE & OTHER RELEVANT DRAWING.
 - MATERIAL OF PIPE -
 - a) FOR 150 Ø / 200 Ø DWC (SN4) PIPE
 - b) FOR 250 Ø TO 450 Ø DWC (SN4) PIPE

LEGEND:- (SANITARY)

SL.	SYMBOL	DESCRIPTION
1.		SEWER PIPE NETWORK
2.		DRAIN LINE
3.		150Ø BRANCH SEWERAGE CONNECTION
4.		SEWER NODE NUMBER
4.		110Ø BRANCH RAIN WATER CONNECTION
5.		RAIN WATER PIPE NETWORK

DETAIL OF SYMBOL FOR PIPE

A	200 DIA
B	250 DIA
C	150 DIA

LEGEND:- (SANITARY)-SIZE OF MANHOLE

SL.	NO.	SYMBOL	DESCRIPTION
1.	M1		750x750 MM
2.	M2		900 DIA
3.	M3		1200 DIA
4.	RW1		600x600 MM

PROJECT TITLE: PROPOSED LAYOUT PLAN AT Plot No.1-C, Block D1, Scheme 38, Kheora Banger, Kanpur.	DRAWING TITLE: LAYOUT PLAN (EXTERNAL SANITARY, RAIN WATER & DRAINAGE)	Owner: SPIICK FOODS LLP AT 194-B, Dadanagar Industrial Estate, Kanpur.	NORTH: ARCHITECT SPACE DESIGNERS	SERVICES(MEP) CONSULTANT :- SAHAYOG CONSULTANTS Lucknow. Ph. No.: +91-8840468406 email : sahayogconsultants@gmail.com
		REV. NO. - DATE:-DEC.-2023 DRG.NO.: P/SV/KNP/PL-01		