PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

DESIGN OF SEWERAGE SYSTEM FOR WHITE ORCHIRD

S.NO.	Line		Length	Pipe Size (mm)	Slope (1 in)	Ground Level(m)		Invert Level(m)		Depth(m)	
	From	To				Start	End	Start	End	Start	End
1.	S1	S2	5.5	250	200	0.900	0.900	-1.000	-1.028	1.900	1.928
2.	S2	S3	7.4	250	200	0.900	0.900	-1.028	-1.065	1.928	1.965
3.	S3	S4	8.0	250	200	0.900	0.900	-1.065	-1.105	1.965	2.005
4.	S4	S5	15.0	250	200	0.900	0.900	-1.105	-1.180	2.005	2.080
5.	S5	S6	19.0	250	200	0.900	0.900	-1.180	-1.275	2.080	2.175
6.	S6	S7	17.0	250	200	0.900	0.900	-1.275	-1.360	2.175	2.260
7.	S7	S8	18.0	250	200	0.900	0.900	-1.360	-1.450	2.260	2.350
8.	S8	S9	14.0	250	200	0.900	0.900	-1.450	-1.520	2.350	2.420
9.	S9	S10	3.5	250	200	0.900	0.900	-1.520	-1.537	2.420	2.437
10.	S10	S11	3.5	250	200	0.900	0.900	-1.537	-1.555	2.437	2.455
11.	S11	S12	10.0	250	200	0.900	0.900	-1.555	-1.605	2.455	2.505
12.	S12	S13	6.0	250	200	0.900	0.900	-1.605	-1.635	2.505	2.535
13.	S13	S14	9.5	250	200	0.900	0.900	-1.635	-1.682	2.535	2.582
14.	S14	S15	12.5	250	200	0.900	0.900	-1.682	-1.745	2.582	2.645
15.	S15	STP	1.0	300	250	0.900	0.900	-1.745	-1.749	2.645	2.649

DESIGN OF DRAINAGE SYSTEM FOR WHITE ORCHIRD

S.No.	Line No.		Length	Pipe Size (mm)	Slope (1 in)	Ground Level(m)		Invert Level(m)		Depth(m)	
	From	To			1 in	Start	End	Start	End	Start	End
1.	D1	D2	6.4	300	250	0.900	0.900	-0.700	-0.726	1.600	1.626
2.	D2	D3	7.5	300	250	0.900	0.900	-0.726	-0.756	1.626	1.656
3.	D3	D4	7.5	300	250	0.900	0.900	-0.756	-0.786	1.656	1.686
4.	D4	RW-1	7.0	300	250	0.900	0.900	-0.786	-0.814	1.686	1.714
5.	RW-1	D5	6.5	300	250	0.900	0.900	-0.814	-0.840	1.714	1.740
6.	D5	D6	9.5	300	250	0.900	0.900	-0.840	-0.878	1.740	1.778
7.	D6	D7	5.5	300	250	0.900	0.900	-0.878	-0.900	1.778	1.800
8.	D7	D8	21.4	300	250	0.900	0.900	-0.900	-0.985	1.800	1.885
9.	D8	D9	23.5	300	250	0.900	0.900	-0.985	-1.079	1.885	1.979
10.	D11	D12	3.0	300	250	0.900	0.900	-1.100	-1.112	2.000	2.012
11.	D12	D13	6.0	300	250	0.900	0.900	-1.112	-1.136	2.012	2.036
12.	D13	D14	6.0	300	250	0.900	0.900	-1.136	-1.160	2.036	2.060
13.	D14	D10	13.5	300	250	0.900	0.900	-1.160	-1.214	2.060	2.114
14.	D10	RW-2	2.2	300	250	0.900	0.900	-1.214	-1.223	2.114	2.123
15.	RW-2	FLOW	1.5	300	250	0.900	0.900	-.600	-.606	1.500	1.506

LEGEND:-

S.NO	DESCRIPTION	SYMBOL
1.	SEWERAGE MANHOLE	
2.	DRAINAGE MANHOLE	
3.	GULLY TRAP	
4.	250 DIA RCC SEWERAGE PIPE LINE	
5.	300 DIA RCC DRAINAGE PIPE LINE	
6.	150 DIA DOMESTIC WATER SUPPLY PIPE	
7.	100 DIA FLUSHING WATER SUPPLY PIPE	
8.	50 DIA DOMESTIC WATER RISER PIPE	
9.	40 DIA FLUSHING WATER RISER PIPE	

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