SKYHAVEN SUBDIVISION
NORTHFIELD CENTER TOWNSHIP
SUMMIT COUNTY, OHIO

STORM CULVERT DESIGN DATA

1 REVISED NOV 16 1960 MLS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
		AREA ACRE ΣA	C	CA	Σ CA	TIME OVERLAND LENGTH / VEL. x 60 = T (MIN.)	TIME IN DITCH LENGTH / VEL. x 60 = T (MIN.)	T	I = 75 / T+10	Q = CAI	CULVERT	REMARKS	
1	AKRON CLEVELAND OAKMONT (A)	3.2	.45	1.42	1.42	100 / .5 x 60 = 3.3	1400 / 3 x 60 = 7.8	11.1	3.5	5.0	15" CMP @ 1.6%		1
2	OAKMONT N & S OAKLON (B)	3.1	.45	1.40	1.40	400 / .5 x 60 = 13.3	300 / 2.5 x 60 = 2.0	15.3	2.96	4.15	13 x 22 CMP @ 0.5%	18" EQUIV	2
3	N OAKMONT - SL 64 TO SL 6 (C)	2.7	.45	1.22	1.22	100 / .3 x 60 = 5.6	1000 / 2.5 x 60 = 6.7	12.3	3.35	4.1	13 x 22" CMP @ 0.5%	18" EQUIV	3
4	SL 6 TO NORTH (D)	4.1	.45	1.85	4.47		800 / 2.5 x 60 = 5.4	19.7	2.5	11.3	24" CMP @ 0.8%		4
5	S OAKMONT - SKYHAVEN (E)	7.5	.45	3.36	3.36	400 / .5 x 60 = 13.3	600 / 3 x 60 = 3.3	16.6	2.8	9.5	18" x 29" CMP @ 0.5%	24" EQUIV.	5
6	SKYHAVEN - LEGEMONT (F)	0.9	.45	.40	3.76		400 / 3 x 60 = 2.2	18.8	2.6	9.8	18" x 29" CMP @ 0.6%	24" EQUIV.	6
7	SKYHAVEN N OAKMONT (G)	4.9	.45	2.20	5.96		700 / 3 x 60 = 2.8	21.6	2.35	14.2	18" x 29" CMP @ 1.2%	24" EQUIV.	7
8	" "	7.9	.45	3.65	3.65	100 / .3 x 60 = 5.6	1900 / 2.5 x 60 = 10.0	15.6	2.92				8
9	" " (H)	2.6	.45	1.17	4.82	400 / 5 x 60 = 13.3	400 / 3 x 60 = 2.2	15.5	2.94	14.2	18" x 29" CMP @ 1.2%	24" EQUIV	9
10	(J)	2.0	.45	0.90	11.68	-	-	21.6	2.35	27.5	27" x 43" CMP @ .5%	36" EQUIV	10
11	S OAKMONT (N)	15.0	.45	6.75	6.75	600 / .5 x 60 = 20.0	800 / 2.5 x 60 = 5.3	25.3	2.11	14.3	18 x 29 CMP @ 1.2%	24" EQUIV	11
12	N OAKMONT (L)	1.0	.45	.45	.45	50 / .3 x 60 = 2.8	300 / 2.5 x 60 = 2.0	4.8	5.0	2.3	15" CMP @ 0.5%		12
13	LEGEGEMONT (M)	11.7	45	5.25	12.45	-	450 / 2.5 x 60 = 3.0	28 3	1.96	24.5	27 x 43 CMP @ 0 5%	36" EQUIV	13
14	N OAKMONT (N)	5.8	.45	2.60	15.05		400 / 2.5 x 60 = 2.7	31.0	1.83	28.2	27x43 CMP @ 0 5%	36" EQUIV	14
15	" (P)	1.7	.45	0.77	15.82			31.0	1.83	29.0	27 x 43 CMP @ 0.8%	36" EQUIV	15
16													16
17	WOODMONT SOAKMONT (R)	5.8	.45	2.60	2.60	600 / 5 x 60 = 20.0	300 / 3 x 60 = 1.7	21.7	2.4	6 2	16 x 25 CMP @ 0.5%	21" EQUIV	17
18	WOODMONT - HAZEL (S)	7.4	.45	3 32	3 32	100 / .5 x 60 = 3.3	2100 / 3 x 60 = 11.6	14.9	3.0	10.0	18" x 29" CMP @ 0 6%	24" EQUIV	18
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