DRAINAGE QUANTITIES

LAKE COUNTY
LAK-90/271-1.88/0.00

OHIO
FHWA REGION 5
FEDERAL PROJECT

47
185

UNDERDRAIN QUANTITIES

LOCATION	SIDE	STATION FROM	STATION TO	LENGTH	605 SHALLOW UNDERDRAIN, AS PER PLAN LF	605 6" SHALLOW PIPE UNDERDRAIN, 707.15, AS PER PLAN LF	603 6" CONDUIT, TYPE F* LF	SPECIAL PRECAST CONCRETE OUTLET EACH	OUTLET TO MH, CB, ETC.	NOTES	CONNECTION DETAIL SEE SHEET No. 83
271 NB	OUTSIDE	0+00	9+85	985	985		40	1			A
		9+85	20+70	1085	1083		50	1			A
		20+70	30+25	955	953				YES		A
		30+25	38+65	840	838		54	1			A
		38+65	52+00	1335	1333					CONTINUE	
	MEDIAN	126+94	129+90	296		296	30		YES		C
		129+90	134+64.62=	474.62		475				CONTINUE	
		0+00.20	9+85	984.80		985			YES		C
		9+85	21+12	1127		1125	100		YES		C
		21+12	30+47	935		933	100		YES		C
		30+47	38+48	801		799	100		YES		C
		38+48	52+00	1352		1350				CONTINUE	
271 SB	OUTSIDE	0+00	9+85	985	985		52	1			A
		9+85	21+18	1127	1125		74	1			A
		21+18	30+25	917	915				YES		A
		30+25	38+65	840	838		56	1			A
		38+65	52+00	1335	1333					CONTINUE	
	MEDIAN	126+94	129+90	296		296	30		YES		C
		129+90	134+64.62=	474.62		475				CONTINUE	
		0+00.20	9+85	984.80		985			YES		C
		9+85	21+12	1127		1125	100		YES		C
		21+12	30+47	935		933	100		YES		C
		30+47	38+48	801		799	100		YES		C
		38+48	52+00	1352		1350				CONTINUE	
TOTALS	**COST PARTICIPATION I** (TO GEN. SUMMARY)				**10,388**	**11,926**	**986**	**6**			
271 NB ●	OUTSIDE	52+00	59+00	700	700					CONTINUE	
●		60+50	66+50	600	600		35		YES		A
●		66+50	87+75	2125	2123		35		YES		A
●		87+75	92+00	425	423						A
(90 EB) ●		92+40	104+30	1190	1190						A
271 NB ●	MEDIAN	52+00	57+25	525		525					C
(90 EB) ●	MEDIAN	88+80	93+75	495		495	30				C
●		93+80	104+45	1065		1065	90				C
271 SB ●	OUTSIDE	52+00	57+25	525	525						A
●	MEDIAN	52+00	66+50	1450		1450	40		YES		C
●		66+50	87+04	2054		2054			YES		C
●		87+10	93+75	665		653	26		YES		C
(90 WB) ●	MEDIAN	93+75	104+40	1065		1063	105				C
90 EB ●	OUTSIDE	104+30	110+00	570	570		26	1			A
●		110+00	116+00	600	600		25	1			A
●		116+00	121+00	500	500		20	1			A
●		121+00	123+32	232	232					CONTINUE	
●		124+34	132+04	770	770		30		YES		A
●		132+04	133+72	168	168						A
●		133+72	138+25	453	453		25	1			A
●		138+25	149+00	1075	1075		115				A
●		149+00	158+50	950	948				YES		
●	MEDIAN	104+50	118+40	1390		1388	90		YES		C
●		118+40	132+10	1370		1368	25		YES		C
●		132+10	135+00	290		288				CONTINUE	
▲		135+00	149+00	1400		1400					C
▲		149+00	158+00	900		900					C
▲		154+82	160+50	568		568	32		YES	NEW CB	
90 WB ●	OUTSIDE	129+00	139+85	1085	1085						A
●		139+85	141+15	130	130						A
●		142+17	148+25	608	608						A
●		148+25	153+05	480	478						A
●		153+05	158+75	570	570						A
●	MEDIAN	104+50	118+40	1390		1390	110		YES		C
●		118+40	126+20	780		780	22		YES		C
●		126+20	132+10	590		590	32				C
●		132+10	135+00	290		290				CONTINUE	C
▲		135+00	139+70	470		500	60		YES		C

UNDERDRAIN QUANTITIES

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▲		139+70	148+70	900		870	78		YES		C
▲		148+70	157+50	880		880					C
▲		154+98	160+50	552		552	35		YES	NEW CB	C
90 EB ●	OUTSIDE	158+50	164+54	604	604						A
●		165+52	178+85	1343	1343						A
●		180+50	183+45	295	295						A
●		183+50	191+25	775	775		48				A
●		191+25	201+20	995	993		36				A
●		201+20	208+00	680	680		25	1			A
●		208+00	214+84	684	684					CONTINUE	A
●		222+02 AH	224+20	218	218						A
▲	MEDIAN	160+50	178+50	1800		1800	36		YES	NEW CB	
▲		178+50	191+20	1270		1270	20		YES	NEW CB	
▲		191+20	200+00	880		880	40	1			C
▲		200+00	209+50	950		950	120		YES		C
▲		209+50	214+84 BK	534		532				CONTINUE	
▲		222+02 AH	224+20	238		238	110		YES		C
90 WB ●	OUTSIDE	158+75	161+25	250	250						A
●		161+25	178+25	1700	1700						A
●		178+30	191+40	1310	1310		50	1			A
●		191+40	199+00	760	760		25	1			A
●		199+00	204+35	535	535		100	1			A
●		204+35	214+84 BK	1050	1050					CONTINUE	
●		222+02 AH	224+20	218	218				YES		A
▲	MEDIAN	160+50	178+50	1800		1800	36		YES	NEW CB	
▲		178+50	191+20	1270		1270	22		YES	NEW CB	
▲		191+20	200+00	880		880	50	1			C
▲		200+00	209+60	960		960	94		YES		C
▲		209+60	214+84 BK	524		522				CONTINUE	
▲		222+02 AH	224+40	238		238	110		YES		C
90 EB ●	OUTSIDE	224+20	232+10	790	788				YES		A
●		234+60	241+40	680	680						A
●		241+40	247+00	560	560		25	1			A
●		247+00	252+50	550	550						A
●		252+50	259+00	650	650		30	1			A
●		259+00	264+00	500	500						A
●		264+00	269+48	548	548						A
▲	MEDIAN	224+40	232+30	790		788	110		YES		C
▲		235+00	241+60	660		658	110		YES		C
▲		241+60	250+55	895		893	97		YES		C
▲		251+50	269+74	1824		1824	97		YES		C
90 WB ●	OUTSIDE	224+20	235+15	1095	1093						A
●		237+68	242+00	432	432						A
●		242+00	248+00	600	600		25	1			A
●		248+00	254+50	650	650				YES		A
●		254+50	264+00	950	948						B
●		264+00	271+05	705	705						B
▲	MEDIAN	224+40	232+20	780		778	110		YES		C
▲		233+25	234+95	170		170	100		YES		C
▲		237+35	242+00	465		465	100		YES		C
▲		242+00	248+00	600		600	60	1			C
▲		248+00	254+50	650		650	100		YES		C
▲		254+50	270+88	1638		1638			YES		C
90 EB ●	OUTSIDE	271+48	272+65	117	117						A
●		276+05	279+60	355	353						A
●		279+60	286+50	690	688				YES		A
●		286+50	293+95	745	745				YES		A
●		296+92	304+00	708	708				YES		A
●		304+00	308+41	441	441				YES		A
TOTALS (TO SHEET 48)	**COST PARTICIPATION II ●**				**36,919**	**13,399**	**1,245**	**11**			
	COST PARTICIPATION III ▲				**-**	**25,474**	**1,727**	**3**			

*707.17 NON-PERFORATED, ASTM 3034 SDR 35 OR SS 431 OR SS 944

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