APPENDIX B

Obstruction Data

Appoquinimink Box Culvert / Box Bridge Capacity Calculation Sheet Watershed:
Completed by EXY
Checked by SDB
Date(s) 8012006

					-	Control			Die Die Wildth iff spolleshiel	nedleshies			新教室の大学の事件をあることでは、1981年1月1日	
					Type	Shape (<)	S		Moasurements	ments			たら ランス たいき こうしょう こと かくし	
		7.	14 15		AAA.		+				L			
Man in	Owner or Address	Capacity			Part of Culvert	Culvert		1	W W		h	*coxe		NOTES
	of Obstruction	(CFS)	(SQ. FT)	T) 017	8ridge?	0	((tt) (tt)	12 12 12		(ii)	angle }	A Commission malerial Commission Commission	
ş	Shaleresa Lake Rd/ Orawyer Greek	1,162	105	-		×		3.5	7.0		¢	0.0	Concrete	WW
507	Codar Lans Rd	969	2	7		×		2.0	4.5		O	0.0	Concrete	ww
403	Codar Lano Rd	799	122	-		×		3.0	9.0			.6	Concrete	WW.HW
408	Mart Pt. Bell Dayes Nest Br	522	36	2		×		1.5			o	0.0	Concreto	WW
407A	Silver Lake Ref Deep Creek	305	33	-		×		2.5	4.0 8.4		٥	0.0	Concrete	WW.HW
807	Summit Bridge Rd	842	ş	-		×			7.5 12.0		0	0.0	Concrete	WW HW
425	Waains Mill Rd	7.7	2	-		×			2.0 6.0		0	0.0	Concrete	ww
627	Route 71	474	*			×			3.0		0	0.0	Concrete	WW.HW
24	Roub 71	1,048	\$	-		×					٥	0.0	Concrete	WW.HW
442	Monay Rd	478	99	+-		×		1.0	5.5		0	0.0	Concrete	WW
443	Nexted Rd/ Nexestown Pond	1.173	S	- 7		×		4.5	5.0 10.0		¢	0.0	Concrete	WWHW
4552	Nexontown Rd/ Nexentown Pond	55	ដ	*-		×		9.0			2	25"	Concrete	WWHW
445	Reuto 9/ Hangmans Run	922	#	٠		×			5.3		٥	0.0	Concrete	WW
55	Siver 1 ake Ref. Siver 1 ake	2.400	120	2		×	_	2.0	10.0		¢	0.0	Concrete	WW HW
391	Säver Run Rd./ Appo. Rivor	10,034	1,330	-			×	1.0	6.5 204.6		3.0	.01	Concrete	WW
302	Salver Run Rd.	9,077	1,224	-			×	1.0	6.0			0.0	Concrete	WW
393	Man St./ Aggo River	3,064	\$	-	-		×	1.0	98.8		٩	0.0	Concrete	ww
393N	Route 13/ Appo. River	12,695	1,320	-			×	2.5			9	0.0	Cencrete	WW
3935	Route 13/ Appo, River	12,695	1,320	-			×	2.5	6.0 220.0		٥	00	Concreto	WW
394N	Reuto 13/ Drawyer Creek	6,001	642	-			×	2.5	5.0 128.3		0	0.0	Concreto	ww
3945	Routo 13/ Drawyer Creek	7.530	305	-			×	2.5	5.0	_	٥	0.0	Concreto	WW
70%	Siver Lake Rd/ Deep Creak	1,941	221	-			×	1.0	10.5		۰	0.0	Concreto	2003
409	S. Broad Sy Deep Creek	3,692	176	-			×	16.0	8.0		٥	00	Concrete encared	WW
£	Wiggins Mill Rd	565	55	-			×	3.0	4.0 14.5		0	0.0	Concrete engased	WW
424	Wiggins Mil Rd/ Appo River	2,130	246				×	2.0	5.0 49.2			10	Concrete	WW
4384	Rto 1/ Middletown Odessa Rd (Rte 299)	890'09	4.896				×	2.5	17.9 273.5		٦	32	Concrete! Steel Grdle	WW
044	Route 71/ Apps, River	2,722	228	-			×	2.5	6.0 38.0		٥	0.0	Concrete	WW.HW
N\$06	Route 1/ Drawyer Greek	62.977	9.660	-			×		8.5 1136.5	2	٥	0.0	Concrete	Novs
9083	Route 1/ Drawyer Greek	62,977	9,660	-			×		8.5 1136.5	2	0	0.0	Concrete	WW
N906	Route 1/ Appo. River	78,945	10,278	-			×		11.8 871.0		٥	0.0	Concrete	ww
3068	Route 1/ Appo. River	91.854	11.619	-			×	-	12.5 929.5		٥	0.0	Concreto	WW

Circular Culverts Calculation Sheet
Watershed:
Completed by: EXY
Checked by: SDB
Date(s): 81/12008

T= Amount of fill msty = Stone Masonry Structure
D= Diameter CMP = Compared Metal Pipe
HT = Height CPP = Compared Polyethylene Pipe

				NOTES		nearly all water goes in S pipe	large tree lies in front			Flowing well	Flowing well
lai Pipe		[17] 新疆 在 17] <u>第</u>		S		nearly all water	large tree			Flowir	Flowir
SCCMP = Bituminous Coated Corrugated Metal Pipe		サングランション ション			material	Concrete	Metal Pipe	Concrete	Metal Pipe	Concrete	Concrete
	PW = Pier Width (if applicable)			skew	angle						
	Width (if			PW skew	(ft) angle						
W = Width	N = Pier			7.4							
3	á			W TH	(E) (F)						
		aments	_	٥	(u)	4.5	6.5	4.5	6.0	3.0	6.0 4.0
		Measurements			(t)	9.0	6.0				6.0
				Culvert Bridge T							
				Bride	0						
_		ς		14	0	×	×	×	×	×	×
nunjos		Shape (1	Suivert	0						
in capacity column	1 1 1 1 1	Shape (V)	1.72.77	Sulvert							
ulverts	Opening	ADO		Nos. Part of	ridge?						
RCP c	ξQ			Nos	of? B			-	-	-	-
to CMP and				Area	(SQ. FT)	15.90	33.18	15.90	28.27	7.07	12.57
rs assigned	,			Capacity		263	475	97	199	જ	174
NOTE: Different parameters assigned to CMP and RCP culverts in				Owner or Address		Unction of Routes 71 and 301	Cleaver Farms Road	Money Road	Greers Comer Road	Dogtown Road	Marl Pit Road
./2/22				Cl sem				4	2	8	6

Appoquinimink

Elliptical Culverts Calculation Sheet
Watershed:
Completed by: EXY
Checked by: SDB
Date(s): 8/1/2008

T≃ Amount of fill
D∞ Diameter
HT = Height
W = Width

msy = Stone Masonry Shudune
CMP = Corrugated Metal Pipe
CPP = Corrugated Polyethylene Pipe
BCCMP = Bluminous Coaled Corrugated Metal Pipe

Map ID. 40 Connet or Address Copiedity (GFS) Area (GFS) No. 50 FT) Fart of 60 FT) Converting and the second of second of second or converting and the second of second or converting and the second or converting		NOTE: Different parameters assigned to CMP and RCP culverts in capacit	ganed to C	MP and RCP c	ulver	ts in ca	pacify column	E					=	AV = VYKURIT		3	I DEC	MOO 2001	DOCUME - DRUMINGS CORROS COMBRIGO - LINCOCK			
D. Owner or Address Capacity (CFS) Area Nos. Part of Calvert Culvert Culvert Conduction CT D HT VM FW FW Codar Lane Rd/ Drawyer Cneek 1507 38.56 1 Purpose 1 Arch Box (ft) <			,					Opening					<u>a</u>	W = Pier	Width (i	applicable	(e)		Commence of the second			
Counter of Address. Capacity Area. Nos. Part of Davert. Counter of Address. Toward of Address.							Type		Shape (V	(Ī	Weasure	ments		-					· 在 老 的 主	- To 1 / / / / / / / / / / / / / / / / / /
Conver or Address Capacity Area Nos. Part of Cobrett Cubrent Cubrent Birds T D HT W PAW Steer Cedar Lane Rd/ Drawger Creek 1507 98.96 1 Arch Box (tr) (tr			アルたの			200	7. 7. 7. 7. 7. 7. A.	200000	2000							П						
Cadar Lane Rd/ Drawyer Creek (GFS) (SO, FT) (if) Purpose (if) (if) (if) (if) (if) (ig) matricial Cadar Lane Rd/ Drawyer Creek 1507 9.8.95 1 7 60 9.0 14.0 0.0 Steet Binick Mill Rd 2413 80.48 3 x x 5.0 5.5 14.0 0.0 Steet Cedar Lane Rd 375 40.06 1 x 1.5 6.0 8.5 0 Steet	Clock	Owner or Address	Capacity		Nos	Parto	Culvert			Bridge	-	0		Ņ	P.W. s	ke.w					NOTES	
Cedar Lane Rd/ Drawyer Creek 1507 98.56 1 X 60 90 140 0.0 Steel Brick Mill Rd 2413 60.48 3 x 50 5.5 14.0 0.0 Steel Cedar Lane Rd 375 40.06 1 x 15 60 8.5 Steel	41	of Obstruction	(CFS)		OG.	Bridge?	Purpose		Arch	Box	***	(¥)	æ	£	(II)	ng;a		materi				
See Cedar Lane Rd 375 140 00 Steel		Codar Jane Bd/ Desugge Cook	1507	98.86	-				×		6.0		9.0	14.0		0.0		Sleel			total width 48' see other	side
Codartane Rd 375 40.06 1 X 1.5 6.0 8.5 Steel	304	Cond Late NO Compet Cond		60.48					×		5.0		5.5	14.0	F	0.0		Steel		£	ie 4x3 pipe is inside a 5x4	5' pipe?
ביים ביים ביים	900	Cedar I and Box	375	40.06	, -				×		1.5		6.0	8.5				Steel			runs ~80' under yard and	road
	100	מבממו במוני ואי		2000		-	-								ĺ							