
**Hunt Brothers Pizza / Seedtime &
Harvest**
2018 New Facility

Watershed A
REVISION 07-06-18
Proposed Conditions

John W. Hunt, PE, PLS

MLH Civil Engineers, PLLC
3320 Clays Mill Road, Suite #208
PO Box 910379
Lexington, KY 40591-0379

Phone: 859-219-1066
Email: john@mlhcivil.com

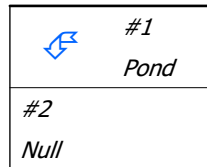
General Information

Storm Information:

Storm Type:	NRCS Type II
Design Storm:	10 yr - 1 hr
Rainfall Depth:	2.000 inches

Structure Networking:

Type	Stru #	(flows into)	Stru #	Musk. K (hrs)	Musk. X	Description
Pond	#1	==>	#2	0.000	0.000	Watershed A-1
Null	#2	==>	End	0.000	0.000	Watershed A-2



Structure Summary:

	Immediate Contributing Area (ac)	Total Contributing Area (ac)	Peak Discharge (cfs)	Total Runoff Volume (ac-ft)
#1 In	17.358	17.358	5.43	0.32
#1 Out			0.77	0.32
#2	7.565	24.923	2.45	0.43

Structure Detail:

Structure #1 (Pond)

Watershed A-1

Pond Inputs:

Initial Pool Elev:	876.01 ft
Initial Pool:	0.00 ac-ft

Straight Pipe

Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)	Entrance Loss Coefficient	Tailwater Depth (ft)
5.00	29.00	1.72	0.0120	876.01	0.50	0.00

Drop Inlet

Riser Diameter (in)	Riser Height (ft)	Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)
18.00	4.24	15.00	29.00	1.72	0.0120	880.00

Straight Pipe

Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)	Entrance Loss Coefficient	Tailwater Depth (ft)
12.00	29.00	1.72	0.0120	878.00	0.50	0.00

Pond Results:

Peak Elevation:	878.01 ft
Dewater Time:	0.23 days

Dewatering time is calculated from peak stage to lowest spillway

Elevation-Capacity-Discharge Table

Elevation	Area (ac)	Capacity (ac-ft)	Discharge (cfs)	Dewater Time (hrs)
876.00	0.000	0.000	0.000	
876.01	0.000	0.000	0.000	Spillway #1
876.25	0.009	0.001	0.102	0.35
876.50	0.032	0.006	0.250	0.35
876.75	0.068	0.018	0.398	0.45
877.00	0.117	0.041	0.546	0.60
877.25	0.153	0.075	0.628	0.70
877.50	0.194	0.118	0.673	0.80
877.75	0.240	0.172	0.717	0.95
878.00	0.291	0.238	0.762	1.25 Spillway #3
878.01	0.278	0.240	0.770	0.10 Peak Stage
878.25	0.314	0.314	1.102	
878.50	0.338	0.395	1.602	
878.75	0.362	0.483	2.264	
879.00	0.388	0.577	3.035	
879.25	0.400	0.675	3.829	
879.50	0.413	0.777	4.473	
879.51	0.414	0.781	4.498	
879.75	0.426	0.882	5.034	
880.00	0.439	0.990	5.526	Spillway #2
880.25	0.450	1.101	7.782	
880.50	0.462	1.215	11.523	
880.75	0.473	1.332	14.129	
881.00	0.485	1.452	15.615	
881.25	0.498	1.575	16.960	
881.50	0.512	1.701	18.209	

Detailed Discharge Table

Elevation (ft)	Straight Pipe (cfs)	Drop Inlet (cfs)	Straight Pipe (cfs)	Combined Total Discharge (cfs)
876.00	0.000	0.000	0.000	0.000
876.01	0.000	0.000	0.000	0.000
876.25	(3)>0.102	0.000	0.000	0.102
876.50	(4)>0.250	0.000	0.000	0.250
876.75	(4)>0.398	0.000	0.000	0.398
877.00	(5)>0.546	0.000	0.000	0.546
877.25	(5)>0.628	0.000	0.000	0.628
877.50	(5)>0.673	0.000	0.000	0.673

Elevation (ft)	Straight Pipe (cfs)	Drop Inlet (cfs)	Straight Pipe (cfs)	Combined Total Discharge (cfs)
877.75	(5)>0.717	0.000	0.000	0.717
878.00	(5)>0.762	0.000	0.000	0.762
878.25	(5)>0.807	0.000	(3)>0.295	1.102
878.50	(6)>0.851	0.000	(3)>0.751	1.602
878.75	(6)>0.896	0.000	(3)>1.368	2.264
879.00	(6)>0.941	0.000	(3)>2.094	3.035
879.25	(6)>0.985	0.000	(4)>2.844	3.829
879.50	(6)>1.030	0.000	(5)>3.443	4.473
879.51	(6)>1.032	0.000	(5)>3.466	4.498
879.75	(6)>1.074	0.000	(5)>3.960	5.034
880.00	(6)>1.112	0.000	(5)>4.414	5.526
880.25	(6)>1.140	1.826	(5)>4.816	7.782
880.50	(6)>1.167	5.165	(5)>5.190	11.523
880.75	(6)>1.195	7.369	(5)>5.565	14.129
881.00	(6)>1.223	8.509	(5)>5.883	15.615
881.25	(6)>1.251	9.513	(5)>6.196	16.960
881.50	(6)>1.279	10.421	(5)>6.509	18.209

Structure #2 (Null)

Watershed A-2

Subwatershed Hydrology Detail:

Stru #	SWS #	SWS Area (ac)	Time of Conc (hrs)	Musk K (hrs)	Musk X	Curve Number	UHS	Peak Discharge (cfs)	Runoff Volume (ac-ft)
#1	1	1.260	0.270	0.000	0.000	98.000	M	2.75	0.149
	2	2.191	0.270	0.000	0.000	74.000	M	1.07	0.051
	3	13.457	0.270	0.000	0.000	61.000	M	1.06	0.066
	4	0.450	0.270	0.000	0.000	98.000	M	0.98	0.053
	Σ	17.358						5.43	0.319
#2	1	0.459	0.284	0.000	0.000	98.000	M	0.99	0.054
	2	0.995	0.284	0.000	0.000	74.000	M	0.47	0.023
	3	6.111	0.284	0.000	0.000	61.000	M	0.47	0.030
	Σ	24.923						2.45	0.427

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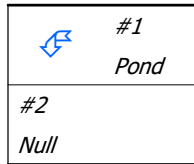
General Information

Storm Information:

Storm Type:	NRCS Type II
Design Storm:	25 yr - 24 hr
Rainfall Depth:	5.000 inches

Structure Networking:

Type	Stru #	(flows into)	Stru #	Musk. K (hrs)	Musk. X	Description
Pond	#1	==>	#2	0.000	0.000	Watershed A-1
Null	#2	==>	End	0.000	0.000	Watershed A-2



Structure Summary:

		Immediate Contributing Area (ac)	Total Contributing Area (ac)	Peak Discharge (cfs)	Total Runoff Volume (ac-ft)
#1	In	17.358	17.358	18.78	2.12
	Out			4.45	2.12
#2		7.565	24.923	9.71	2.98

Structure Detail:

Structure #1 (Pond)

Watershed A-1

Pond Inputs:

Initial Pool Elev:	876.01 ft
Initial Pool:	0.00 ac-ft

Straight Pipe

Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)	Entrance Loss Coefficient	Tailwater Depth (ft)
5.00	29.00	1.72	0.0120	876.01	0.50	0.00

Drop Inlet

Riser Diameter (in)	Riser Height (ft)	Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)
18.00	4.24	15.00	29.00	1.72	0.0120	880.00

Straight Pipe

Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)	Entrance Loss Coefficient	Tailwater Depth (ft)
12.00	29.00	1.72	0.0120	878.00	0.50	0.00

Pond Results:

Peak Elevation:	879.49 ft
Dewater Time:	0.67 days

Dewatering time is calculated from peak stage to lowest spillway

Elevation-Capacity-Discharge Table

Elevation	Area (ac)	Capacity (ac-ft)	Discharge (cfs)	Dewater Time (hrs)
876.00	0.000	0.000	0.000	
876.01	0.000	0.000	0.000	Spillway #1
876.25	0.009	0.001	0.102	0.30
876.50	0.032	0.006	0.250	0.35

Elevation	Area (ac)	Capacity (ac-ft)	Discharge (cfs)	Dewater Time (hrs)	
876.75	0.068	0.018	0.398	0.50	
877.00	0.117	0.041	0.546	0.55	
877.25	0.153	0.075	0.628	0.70	
877.50	0.194	0.118	0.673	0.85	
877.75	0.240	0.172	0.717	0.95	
878.00	0.291	0.238	0.762	3.00	Spillway #3
878.25	0.314	0.314	1.102	2.95	
878.50	0.338	0.395	1.602	2.05	
878.75	0.362	0.483	2.264	1.30	
879.00	0.388	0.577	3.035	0.95	
879.25	0.400	0.675	3.829	0.70	
879.49	0.413	0.773	4.447	0.85	Peak Stage
879.50	0.413	0.777	4.473		
879.51	0.414	0.781	4.498		
879.75	0.426	0.882	5.034		
880.00	0.439	0.990	5.526		Spillway #2
880.25	0.450	1.101	7.782		
880.50	0.462	1.215	11.523		
880.75	0.473	1.332	14.129		
881.00	0.485	1.452	15.615		
881.25	0.498	1.575	16.960		
881.50	0.512	1.701	18.209		

Detailed Discharge Table

Elevation (ft)	Straight Pipe (cfs)	Drop Inlet (cfs)	Straight Pipe (cfs)	Combined Total Discharge (cfs)
876.00	0.000	0.000	0.000	0.000
876.01	0.000	0.000	0.000	0.000
876.25	(3)>0.102	0.000	0.000	0.102
876.50	(4)>0.250	0.000	0.000	0.250
876.75	(4)>0.398	0.000	0.000	0.398
877.00	(5)>0.546	0.000	0.000	0.546
877.25	(5)>0.628	0.000	0.000	0.628
877.50	(5)>0.673	0.000	0.000	0.673
877.75	(5)>0.717	0.000	0.000	0.717
878.00	(5)>0.762	0.000	0.000	0.762
878.25	(5)>0.807	0.000	(3)>0.295	1.102
878.50	(6)>0.851	0.000	(3)>0.751	1.602
878.75	(6)>0.896	0.000	(3)>1.368	2.264

Elevation (ft)	Straight Pipe (cfs)	Drop Inlet (cfs)	Straight Pipe (cfs)	Combined Total Discharge (cfs)
879.00	(6)>0.941	0.000	(3)>2.094	3.035
879.25	(6)>0.985	0.000	(4)>2.844	3.829
879.50	(6)>1.030	0.000	(5)>3.443	4.473
879.51	(6)>1.032	0.000	(5)>3.466	4.498
879.75	(6)>1.074	0.000	(5)>3.960	5.034
880.00	(6)>1.112	0.000	(5)>4.414	5.526
880.25	(6)>1.140	1.826	(5)>4.816	7.782
880.50	(6)>1.167	5.165	(5)>5.190	11.523
880.75	(6)>1.195	7.369	(5)>5.565	14.129
881.00	(6)>1.223	8.509	(5)>5.883	15.615
881.25	(6)>1.251	9.513	(5)>6.196	16.960
881.50	(6)>1.279	10.421	(5)>6.509	18.209

Structure #2 (Null)

Watershed A-2

Subwatershed Hydrology Detail:

Stru #	SWS #	SWS Area (ac)	Time of Conc (hrs)	Musk K (hrs)	Musk X	Curve Number	UHS	Peak Discharge (cfs)	Runoff Volume (ac-ft)
#1	1	1.260	0.270	0.000	0.000	98.000	M	3.35	0.400
	2	2.191	0.270	0.000	0.000	74.000	M	3.31	0.346
	3	13.457	0.270	0.000	0.000	61.000	M	10.98	1.230
	4	0.450	0.270	0.000	0.000	98.000	M	1.20	0.142
	Σ	17.358						18.78	2.118
#2	1	0.459	0.284	0.000	0.000	98.000	M	1.21	0.145
	2	0.995	0.284	0.000	0.000	74.000	M	1.48	0.156
	3	6.111	0.284	0.000	0.000	61.000	M	4.90	0.558
	Σ	24.923						9.71	2.977

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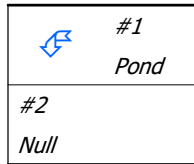
General Information

Storm Information:

Storm Type:	NRCS Type II
Design Storm:	100 yr - 1 hr
Rainfall Depth:	2.800 inches

Structure Networking:

Type	Stru #	(flows into)	Stru #	Musk. K (hrs)	Musk. X	Description
Pond	#1	==>	#2	0.000	0.000	Watershed A-1
Null	#2	==>	End	0.000	0.000	Watershed A-2



Structure Summary:

		Immediate Contributing Area (ac)	Total Contributing Area (ac)	Peak Discharge (cfs)	Total Runoff Volume (ac-ft)
#1	In	17.358	17.358	12.54	0.67
	Out			2.43	0.67
#2		7.565	24.923	5.48	0.92

Structure Detail:

Structure #1 (Pond)

Watershed A-1

Pond Inputs:

Initial Pool Elev:	876.01 ft
Initial Pool:	0.00 ac-ft

Straight Pipe

Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)	Entrance Loss Coefficient	Tailwater Depth (ft)
5.00	29.00	1.72	0.0120	876.01	0.50	0.00

Drop Inlet

Riser Diameter (in)	Riser Height (ft)	Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)
18.00	4.24	15.00	29.00	1.72	0.0120	880.00

Straight Pipe

Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)	Entrance Loss Coefficient	Tailwater Depth (ft)
12.00	29.00	1.72	0.0120	878.00	0.50	0.00

Pond Results:

Peak Elevation:	878.80 ft
Dewater Time:	0.33 days

Dewatering time is calculated from peak stage to lowest spillway

Elevation-Capacity-Discharge Table

Elevation	Area (ac)	Capacity (ac-ft)	Discharge (cfs)	Dewater Time (hrs)
876.00	0.000	0.000	0.000	
876.01	0.000	0.000	0.000	Spillway #1
876.25	0.009	0.001	0.102	0.30
876.50	0.032	0.006	0.250	0.35

Elevation	Area (ac)	Capacity (ac-ft)	Discharge (cfs)	Dewater Time (hrs)	
876.75	0.068	0.018	0.398	0.50	
877.00	0.117	0.041	0.546	0.60	
877.25	0.153	0.075	0.628	0.65	
877.50	0.194	0.118	0.673	0.85	
877.75	0.240	0.172	0.717	0.90	
878.00	0.291	0.238	0.762	1.10	Spillway #3
878.25	0.314	0.314	1.102	1.00	
878.50	0.338	0.395	1.602	0.75	
878.75	0.362	0.483	2.264	0.65	
878.80	0.368	0.503	2.427	0.20	Peak Stage
879.00	0.388	0.577	3.035		
879.25	0.400	0.675	3.829		
879.50	0.413	0.777	4.473		
879.51	0.414	0.781	4.498		
879.75	0.426	0.882	5.034		
880.00	0.439	0.990	5.526		Spillway #2
880.25	0.450	1.101	7.782		
880.50	0.462	1.215	11.523		
880.75	0.473	1.332	14.129		
881.00	0.485	1.452	15.615		
881.25	0.498	1.575	16.960		
881.50	0.512	1.701	18.209		

Detailed Discharge Table

Elevation (ft)	Straight Pipe (cfs)	Drop Inlet (cfs)	Straight Pipe (cfs)	Combined Total Discharge (cfs)
876.00	0.000	0.000	0.000	0.000
876.01	0.000	0.000	0.000	0.000
876.25	(3)>0.102	0.000	0.000	0.102
876.50	(4)>0.250	0.000	0.000	0.250
876.75	(4)>0.398	0.000	0.000	0.398
877.00	(5)>0.546	0.000	0.000	0.546
877.25	(5)>0.628	0.000	0.000	0.628
877.50	(5)>0.673	0.000	0.000	0.673
877.75	(5)>0.717	0.000	0.000	0.717
878.00	(5)>0.762	0.000	0.000	0.762
878.25	(5)>0.807	0.000	(3)>0.295	1.102
878.50	(6)>0.851	0.000	(3)>0.751	1.602
878.75	(6)>0.896	0.000	(3)>1.368	2.264

Elevation (ft)	Straight Pipe (cfs)	Drop Inlet (cfs)	Straight Pipe (cfs)	Combined Total Discharge (cfs)
879.00	(6)>0.941	0.000	(3)>2.094	3.035
879.25	(6)>0.985	0.000	(4)>2.844	3.829
879.50	(6)>1.030	0.000	(5)>3.443	4.473
879.51	(6)>1.032	0.000	(5)>3.466	4.498
879.75	(6)>1.074	0.000	(5)>3.960	5.034
880.00	(6)>1.112	0.000	(5)>4.414	5.526
880.25	(6)>1.140	1.826	(5)>4.816	7.782
880.50	(6)>1.167	5.165	(5)>5.190	11.523
880.75	(6)>1.195	7.369	(5)>5.565	14.129
881.00	(6)>1.223	8.509	(5)>5.883	15.615
881.25	(6)>1.251	9.513	(5)>6.196	16.960
881.50	(6)>1.279	10.421	(5)>6.509	18.209

Structure #2 (Null)

Watershed A-2

Subwatershed Hydrology Detail:

Stru #	SWS #	SWS Area (ac)	Time of Conc (hrs)	Musk K (hrs)	Musk X	Curve Number	UHS	Peak Discharge (cfs)	Runoff Volume (ac-ft)
#1	1	1.260	0.270	0.000	0.000	98.000	M	3.94	0.216
	2	2.191	0.270	0.000	0.000	74.000	M	2.42	0.115
	3	13.457	0.270	0.000	0.000	61.000	M	5.39	0.263
	4	0.450	0.270	0.000	0.000	98.000	M	1.41	0.077
	Σ	17.358						12.54	0.670
#2	1	0.459	0.284	0.000	0.000	98.000	M	1.42	0.079
	2	0.995	0.284	0.000	0.000	74.000	M	1.07	0.052
	3	6.111	0.284	0.000	0.000	61.000	M	2.38	0.119
	Σ	24.923						5.48	0.920

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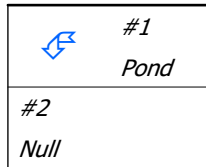
General Information

Storm Information:

Storm Type:	NRCS Type II
Design Storm:	100 yr - 24 hr
Rainfall Depth:	6.000 inches

Structure Networking:

Type	Stru #	(flows into)	Stru #	Musk. K (hrs)	Musk. X	Description
Pond	#1	==>	#2	0.000	0.000	Watershed A-1
Null	#2	==>	End	0.000	0.000	Watershed A-2



Structure Summary:

	Immediate Contributing Area (ac)	Total Contributing Area (ac)	Peak Discharge (cfs)	Total Runoff Volume (ac-ft)
#1 In	17.358	17.358	26.57	2.92
#1 Out			7.33	2.92
#2	7.565	24.923	14.73	4.13

Structure Detail:

Structure #1 (Pond)

Watershed A-1

Pond Inputs:

Initial Pool Elev:	876.01 ft
Initial Pool:	0.00 ac-ft

Straight Pipe

Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)	Entrance Loss Coefficient	Tailwater Depth (ft)
5.00	29.00	1.72	0.0120	876.01	0.50	0.00

Drop Inlet

Riser Diameter (in)	Riser Height (ft)	Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)
18.00	4.24	15.00	29.00	1.72	0.0120	880.00

Straight Pipe

Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev (ft)	Entrance Loss Coefficient	Tailwater Depth (ft)
12.00	29.00	1.72	0.0120	878.00	0.50	0.00

Pond Results:

Peak Elevation:	880.20 ft
Dewater Time:	0.71 days

Dewatering time is calculated from peak stage to lowest spillway

Elevation-Capacity-Discharge Table

Elevation	Area (ac)	Capacity (ac-ft)	Discharge (cfs)	Dewater Time (hrs)
876.00	0.000	0.000	0.000	
876.01	0.000	0.000	0.000	Spillway #1

Elevation	Area (ac)	Capacity (ac-ft)	Discharge (cfs)	Dewater Time (hrs)	
876.25	0.009	0.001	0.102	0.30	
876.50	0.032	0.006	0.250	0.35	
876.75	0.068	0.018	0.398	0.50	
877.00	0.117	0.041	0.546	0.55	
877.25	0.153	0.075	0.628	0.70	
877.50	0.194	0.118	0.673	0.80	
877.75	0.240	0.172	0.717	0.95	
878.00	0.291	0.238	0.762	1.15	Spillway #3
878.25	0.314	0.314	1.102	4.05	
878.50	0.338	0.395	1.602	2.25	
878.75	0.362	0.483	2.264	1.50	
879.00	0.388	0.577	3.035	0.95	
879.25	0.400	0.675	3.829	0.70	
879.50	0.413	0.777	4.473	0.55	
879.51	0.414	0.781	4.498	0.05	
879.75	0.426	0.882	5.034	0.50	
880.00	0.439	0.990	5.526	0.55	Spillway #2
880.20	0.448	1.079	7.327	0.55	Peak Stage
880.25	0.450	1.101	7.782		
880.50	0.462	1.215	11.523		
880.75	0.473	1.332	14.129		
881.00	0.485	1.452	15.615		
881.25	0.498	1.575	16.960		
881.50	0.512	1.701	18.209		

Detailed Discharge Table

Elevation (ft)	Straight Pipe (cfs)	Drop Inlet (cfs)	Straight Pipe (cfs)	Combined Total Discharge (cfs)
876.00	0.000	0.000	0.000	0.000
876.01	0.000	0.000	0.000	0.000
876.25	(3)>0.102	0.000	0.000	0.102
876.50	(4)>0.250	0.000	0.000	0.250
876.75	(4)>0.398	0.000	0.000	0.398
877.00	(5)>0.546	0.000	0.000	0.546
877.25	(5)>0.628	0.000	0.000	0.628
877.50	(5)>0.673	0.000	0.000	0.673
877.75	(5)>0.717	0.000	0.000	0.717
878.00	(5)>0.762	0.000	0.000	0.762

Elevation (ft)	Straight Pipe (cfs)	Drop Inlet (cfs)	Straight Pipe (cfs)	Combined Total Discharge (cfs)
878.25	(5)>0.807	0.000	(3)>0.295	1.102
878.50	(6)>0.851	0.000	(3)>0.751	1.602
878.75	(6)>0.896	0.000	(3)>1.368	2.264
879.00	(6)>0.941	0.000	(3)>2.094	3.035
879.25	(6)>0.985	0.000	(4)>2.844	3.829
879.50	(6)>1.030	0.000	(5)>3.443	4.473
879.51	(6)>1.032	0.000	(5)>3.466	4.498
879.75	(6)>1.074	0.000	(5)>3.960	5.034
880.00	(6)>1.112	0.000	(5)>4.414	5.526
880.25	(6)>1.140	1.826	(5)>4.816	7.782
880.50	(6)>1.167	5.165	(5)>5.190	11.523
880.75	(6)>1.195	7.369	(5)>5.565	14.129
881.00	(6)>1.223	8.509	(5)>5.883	15.615
881.25	(6)>1.251	9.513	(5)>6.196	16.960
881.50	(6)>1.279	10.421	(5)>6.509	18.209

Structure #2 (Null)

Watershed A-2

Subwatershed Hydrology Detail:

Stru #	SWS #	SWS Area (ac)	Time of Conc (hrs)	Musk K (hrs)	Musk X	Curve Number	UHS	Peak Discharge (cfs)	Runoff Volume (ac-ft)
#1	1	1.260	0.270	0.000	0.000	98.000	M	4.03	0.484
	2	2.191	0.270	0.000	0.000	74.000	M	4.46	0.466
	3	13.457	0.270	0.000	0.000	61.000	M	16.72	1.801
	4	0.450	0.270	0.000	0.000	98.000	M	1.44	0.173
	Σ	17.358						26.57	2.924
#2	1	0.459	0.284	0.000	0.000	98.000	M	1.46	0.176
	2	0.995	0.284	0.000	0.000	74.000	M	2.00	0.211
	3	6.111	0.284	0.000	0.000	61.000	M	7.47	0.817
	Σ	24.923						14.73	4.127