



events)

Event#	Event	Storm Type	Curve	Mode	Duration	B/B	Depth	AMC
	Name				(hours)		(inches)	
1	100-Year, 24-Hour Storm	NOAA 24-hr	А	Default	24.00	1	8.68	2

Area Listing (all nodes)

Area	CN	Description
(sq-ft)		(subcatchment-numbers)
1,706	96	Gravel surface, HSG B (A1-PR)
2,050	98	Paved parking, HSG B (A1-PR)
3,756	97	TOTAL AREA

Soil Listing (all nodes)

Area	Soil	Subcatchment
(sq-ft)	Group	Numbers
0	HSG A	
3,756	HSG B	A1-PR
0	HSG C	
0	HSG D	
0	Other	
3,756		TOTAL AREA

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Ground Covers (all nodes)

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subcatchmer Numbers
0	1,706	0	0	0	1,706	Gravel surface	
0	2,050	0	0	0	2,050	Paved parking	
0	3,756	0	0	0	3,756	TOTAL AREA	

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			Pipe	Elisting	(all node	es)			
Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)
1	P1	51.50	25.00	57.0	0.4649	0.013	0.0	6.0	0.0

Pipe Listing (all nodes)

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points Runoff by SCS TR-20 method, UH=SCS, Weighted-CN Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentA1-PR: SubcatchmentA1-PR Runoff Area=3,756 sf 54.58% Impervious Runoff Depth>8.32" Tc=6.0 min CN=97 Runoff=1.02 cfs 2,603 cf

Peak Elev=53.59' Inflow=1.02 cfs 2,603 cf 6.0" Round Culvert n=0.013 L=57.0' S=0.4649 '/' Outflow=1.02 cfs 2,603 cf

Link A: Design Point A

Pond P1: Manhole

Inflow=1.02 cfs 2,603 cf Primary=1.02 cfs 2,603 cf

Total Runoff Area = 3,756 sf Runoff Volume = 2,603 cf Average Runoff Depth = 8.32" 45.42% Pervious = 1,706 sf 54.58% Impervious = 2,050 sf

Summary for Subcatchment A1-PR: Subcatchment A1-PR

Runoff = 1.02 cfs @ 12.13 hrs, Volume= Routed to Pond P1 : Manhole 2,603 cf, Depth> 8.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs NOAA 24-hr A 100-Year, 24-Hour Storm Rainfall=8.68"

A	rea (sf)	CN	Description					
	2,050	98	Paved park	ing, HSG B	3			
	1,237	96	Gravel surf	ace, HSG E	В			
	469	96	Gravel surf	ace, HSG E	В			
	3,756	56 97 Weighted Average						
	1,706		45.42% Pervious Area					
	2,050		54.58% Im	pervious Are	rea			
Тс	Length	Slop	e Velocity	Capacity	Description			
(min)	(feet)	(ft/f	t) (ft/sec)	(cfs)				
6.0					Direct Entry,			

Subcatchment A1-PR: Subcatchment A1-PR



Summary for Pond P1: Manhole

[57] Hint: Peaked at 53.59' (Flood elevation advised)

Inflow Area	a =	3,756 sf,	54.58% Im	pervious,	Inflow Depth >	8.32"	for 100-Year, 24-Hour Storm event
Inflow	=	1.02 cfs @	12.13 hrs, 1	Volume=	2,603 ct	f	
Outflow	=	1.02 cfs @	12.13 hrs, 1	Volume=	2,603 ct	f, Atten=	= 0%, Lag= 0.0 min
Primary	=	1.02 cfs @	12.13 hrs, 1	Volume=	2,603 ct	f	-
Routed to Link A : Design Point A							

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs Peak Elev= 53.59' @ 12.13 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.50'	6.0" Round Culvert L= 57.0' CMP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.50' / 25.00' S= 0.4649 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Primary OutFlow Max=0.98 cfs @ 12.13 hrs HW=53.46' (Free Discharge) **1=Culvert** (Inlet Controls 0.98 cfs @ 4.97 fps)



Pond P1: Manhole

Summary for Link A: Design Point A

Inflow	Area =	3,756 sf, 54.58% Impervious	, Inflow Depth > 8.32" for 100-Year, 24-Hour Storm event
Inflow	=	1.02 cfs @ 12.13 hrs, Volume=	2,603 cf
Primar	ту =	1.02 cfs @ 12.13 hrs, Volume=	2,603 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs



Link A: Design Point A