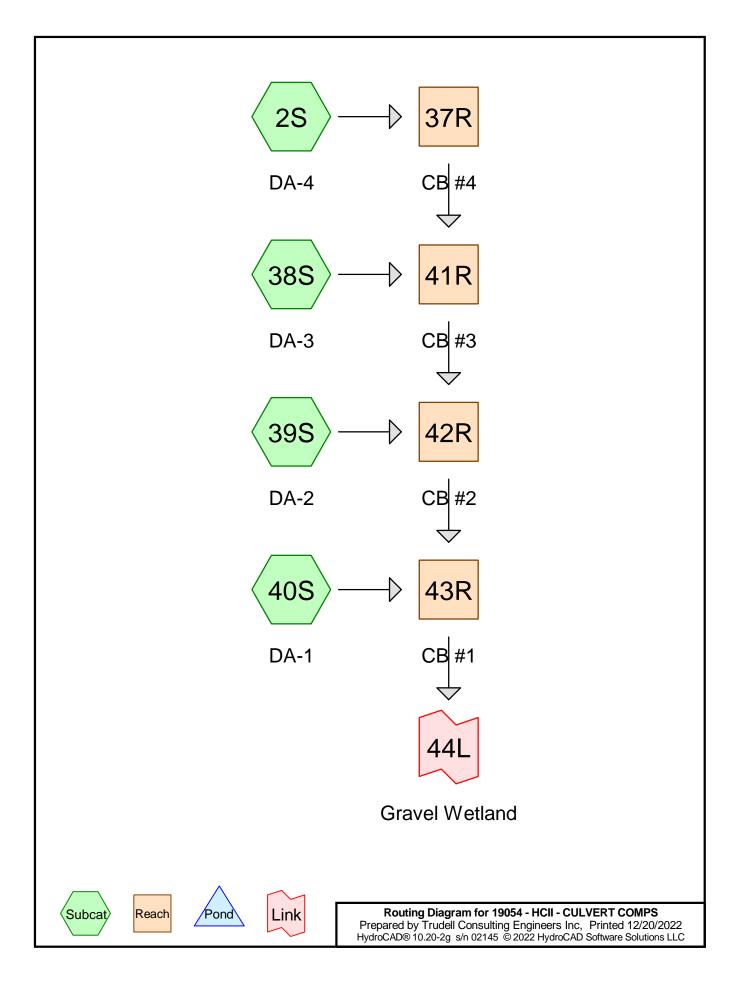


DA TO CB #1 AREA = 0.59 AC IMPERVIOUS = 0.50 AC DA TO CB #2 AREA = 1.37 AC IMPERVIOUS = 1.10 AC DA TO CB #3 AREA = 0.43 AC IMPERVIOUS = 0.35 DA TO CB #4 AREA = 2.82 AC IMPERVIOUS = 2.40 AC



Summary for Subcatchment 2S: DA-4

Runoff = 20.18 cfs @ 11.96 hrs, Volume= 1.072 af, Depth= 4.56" Routed to Reach 37R : CB #4

Area	(ac)	CN	Desc	cription							
0.	.420	80	>75%	>75% Grass cover, Good, HSG D							
2.	.400	98									
2.	.820		Weighted Average								
0.	.420	80	14.89	14.89% Pervious Area							
2.400 98 85.11% Impervious Area											
Tc (min)	Leng (fee		Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description					
5.0						Direct Entry,					

Summary for Reach 37R: CB #4

Inflow Area =
2.820 ac, 85.11% Impervious, Inflow Depth =
4.56" for 100 year event

Inflow =
20.18 cfs @
11.96 hrs, Volume=
1.072 af

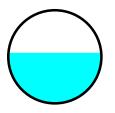
Outflow =
20.17 cfs @
11.96 hrs, Volume=
1.072 af, Atten= 0%, Lag= 0.1 min

Routed to Reach 41R : CB #3
Routed to Reach 41R in the formation of the second s

Routing by Stor-Ind+Trans method, Time Span= 0.00-120.00 hrs, dt= 0.01 hrs Max. Velocity= 7.42 fps, Min. Travel Time= 0.0 min Avg. Velocity = 2.20 fps, Avg. Travel Time= 0.1 min

Peak Storage= 43 cf @ 11.96 hrs Average Depth at Peak Storage= 1.36', Surface Width= 2.49' Bank-Full Depth= 2.50' Flow Area= 4.9 sf, Capacity= 35.27 cfs

30.0" Round Pipe n= 0.010 PVC, smooth interior Length= 16.0' Slope= 0.0044 '/' Inlet Invert= 328.84', Outlet Invert= 328.77'



Summary for Subcatchment 38S: DA-3

Runoff = 3.24 cfs @ 11.93 hrs, Volume= 0.161 af, Depth= 4.49" Routed to Reach 41R : CB #3

(ac)	CN	Desc	cription							
.080	80	>75%	>75% Grass cover, Good, HSG D							
0.350 98 Paved parking, HSG D										
.430		Weig	ghted Aver	age						
.080	80									
0.350 98 81.40% Impervious Area										
1	4. (Mala alta	O an a site	Description					
					Description					
(tee	et)	(ft/ft)	(ft/sec)	(cfs)						
					Direct Entry,					
	.430 .080 .350 Leng	.080 80 .350 98 .430 .080 80 .350 98	.080 80 >75% .350 98 Pave .430 Weig .080 80 18.60 .350 98 81.40 Length Slope	080 80 >75% Grass co 350 98 Paved parking, 430 Weighted Aver 080 80 18.60% Pervior 350 98 81.40% Imperv Length Slope Velocity	.08080>75% Grass cover, Good.35098Paved parking, HSG D.430Weighted Average.0808018.60% Pervious Area.3509881.40% Impervious AreaLengthSlopeVelocityCapacity					

Summary for Reach 41R: CB #3

Inflow Area =
3.250 ac, 84.62% Impervious, Inflow Depth =
4.55" for 100 year event

Inflow =
23.20 cfs @
11.95 hrs, Volume=
1.233 af

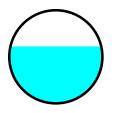
Outflow =
23.12 cfs @
11.96 hrs, Volume=
1.233 af, Atten= 0%, Lag= 0.5 min

Routed to Reach 42R : CB #2
Routed to Reach 42R in the second seco

Routing by Stor-Ind+Trans method, Time Span= 0.00-120.00 hrs, dt= 0.01 hrs Max. Velocity= 7.38 fps, Min. Travel Time= 0.3 min Avg. Velocity = 2.20 fps, Avg. Travel Time= 1.0 min

Peak Storage= 396 cf @ 11.96 hrs Average Depth at Peak Storage= 1.53', Surface Width= 2.44' Bank-Full Depth= 2.50' Flow Area= 4.9 sf, Capacity= 33.59 cfs

30.0" Round Pipe n= 0.010 PVC, smooth interior Length= 126.0' Slope= 0.0040 '/' Inlet Invert= 328.72', Outlet Invert= 328.22'



Summary for Subcatchment 39S: DA-2

Runoff = 10.30 cfs @ 11.93 hrs, Volume= 0.511 af, Depth= 4.47" Routed to Reach 42R : CB #2

Area	(ac)	CN	Desc	ription				
0.	.270	80	>75%	6 Grass co	over, Good,	, HSG D		
1.	.100 98 Paved parking, HSG D							
1.	.370		Weig	hted Aver	age			
0.270 80 19.71% Pervious Area								
1.	1.100 98 80.29% Impervious Area							
Tc (min)	Leng (fee		Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description		
3.0						Direct Entry,		

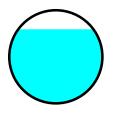
Summary for Reach 42R: CB #2

Inflow Area = 4.620 ac, 83.33% Impervious, Inflow Depth = 4.53" for 100 year event Inflow = 32.76 cfs @ 11.95 hrs, Volume= 1.744 af Outflow = 32.73 cfs @ 11.95 hrs, Volume= 1.744 af, Atten= 0%, Lag= 0.1 min Routed to Reach 43R : CB #1

Routing by Stor-Ind+Trans method, Time Span= 0.00-120.00 hrs, dt= 0.01 hrs Max. Velocity= 7.83 fps, Min. Travel Time= 0.1 min Avg. Velocity = 2.44 fps, Avg. Travel Time= 0.2 min

Peak Storage= 126 cf @ 11.95 hrs Average Depth at Peak Storage= 1.99', Surface Width= 2.02' Bank-Full Depth= 2.50' Flow Area= 4.9 sf, Capacity= 33.72 cfs

30.0" Round Pipe n= 0.010 PVC, smooth interior Length= 30.0' Slope= 0.0040 '/' Inlet Invert= 328.17', Outlet Invert= 328.05'



Summary for Subcatchment 40S: DA-1

Runoff = 4.49 cfs @ 11.93 hrs, Volume= 0.224 af, Depth= 4.56" Routed to Reach 43R : CB #1

a (ac)	CN	Desc	ription							
0.090	80	>75%	>75% Grass cover, Good, HSG D							
0.500	98	Pave	d parking,	HSG D						
0.590		Weighted Average								
0.090	80	15.2	15.25% Pervious Area							
0.500 98 84.75% Impervious Area										
	.41-	0	Mala alta	0 :	Description					
	,				Description					
) (fee	et)	(ft/ft)	(ft/sec)	(cfs)						
)					Direct Entry,					
	: Leng	0.090 80 0.500 98 0.590 0.090 80 0.500 98 c Length (feet)	0.090 80 >75% 0.500 98 Pave 0.590 Weig 0.090 80 15.25 0.500 98 84.75 c Length Slope (feet) (ft/ft)	0.090 80 >75% Grass co 0.500 98 Paved parking, 0.590 Weighted Aver 0.090 80 15.25% Pervice 0.090 80 15.25% Pervice 0.500 98 84.75% Impervice c Length Slope Velocity (feet) (ft/ft) (ft/sec)	0.09080>75% Grass cover, Good0.50098Paved parking, HSG D0.590Weighted Average0.0908015.25% Pervious Area0.5009884.75% Impervious AreacLengthSlopeVelocitycLengthSlopeVelocityc(ft/ft)(ft/sec)(cfs)					

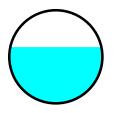
Summary for Reach 43R: CB #1

Inflow Area =5.210 ac, 83.49% Impervious, Inflow Depth =4.53" for 100 year eventInflow =37.04 cfs @11.95 hrs, Volume=1.968 afOutflow =36.92 cfs @11.96 hrs, Volume=1.968 af, Atten= 0%, Lag= 0.4 minRouted to Link 44L : Gravel Wetland1.968 af, Atten= 0%, Lag= 0.4 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-120.00 hrs, dt= 0.01 hrs Max. Velocity= 8.33 fps, Min. Travel Time= 0.3 min Avg. Velocity = 2.47 fps, Avg. Travel Time= 0.8 min

Peak Storage= 555 cf @ 11.95 hrs Average Depth at Peak Storage= 1.81', Surface Width= 2.94' Bank-Full Depth= 3.00' Flow Area= 7.1 sf, Capacity= 54.84 cfs

36.0" Round Pipe n= 0.010 PVC, smooth interior Length= 125.0' Slope= 0.0040 '/' Inlet Invert= 328.00', Outlet Invert= 327.50'



Summary for Link 44L: Gravel Wetland

Inflow Area =		5.210 ac, 8	3.49% Imp	ervious,	Inflow	Depth =	4.53"	for 10	0 year event
Inflow	=	36.92 cfs @	11.96 hrs,	Volume	=	1.968	af		
Primary	=	36.92 cfs @	11.96 hrs,	Volume	=	1.968	af, At	ten= 0%,	Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-120.00 hrs, dt= 0.01 hrs