Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/10/17

Routing Diagram for 40905 PRE 9-30-16
Prepared by Microsoft, Printed 10/5/2016
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Summary for Subcatchment 1S: IMPERVIOUS/TREE/GRASS

Runoff = 0.01 cfs @ 12.46 hrs, Volume= 0.003 af, Depth> 0.29"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25-YR Rainfall=5.80"

Area (sf)	CN	Description
94	98	Unconnected pavement, HSG A
1,680	30	Woods, Good, HSG A
3,775	39	>75% Grass cover, Good, HSG A
5,549	37	Weighted Average
5,455		98.31% Pervious Area
94		1.69% Impervious Area
94		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9	15	0.0690	0.09		**Sheet Flow, A-B SHEET** Woods: Light underbrush n= 0.400 P2= 3.10"
0.3	36	0.0720	1.88		**Shallow Concentrated Flow, B-C SHALLOW** Short Grass Pasture Kv= 7.0 fps
4.0	139	0.0137	0.59		**Shallow Concentrated Flow, C-D SHALLOW** Woodland Kv= 5.0 fps
0.4	27	0.0264	1.14		**Shallow Concentrated Flow, D-E SHALLOW** Short Grass Pasture Kv= 7.0 fps
0.9	49	0.0366	0.96		**Shallow Concentrated Flow, E-F SHALLOW** Woodland Kv= 5.0 fps
8.5	266	Total			

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Summary for Subcatchment 2S: IMPERVIOUS/TREE/GRASS

Runoff = 0.02 cfs @ 12.45 hrs, Volume= 0.006 af, Depth> 0.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25-YR Rainfall=5.80"

Area (sf)	CN	Adj	Description
685	98		Unconnected pavement, HSG A
6,725	30		Woods, Good, HSG A
4,900	39		>75% Grass cover, Good, HSG A
12,310	37	36	Weighted Average, UI Adjusted
11,625			94.44% Pervious Area
685			5.56% Impervious Area
685			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.4	61	0.0574	0.23		**Sheet Flow, A-B SHEET** Grass: Short n= 0.150 P2= 3.10"
0.0	9	0.0556	4.79		**Shallow Concentrated Flow, B-C SHALLOW** Paved Kv= 20.3 fps
0.3	31	0.0812	1.99		**Shallow Concentrated Flow, C-D SHALLOW** Short Grass Pasture Kv= 7.0 fps
0.7	57	0.0753	1.37		**Shallow Concentrated Flow, D-E SHALLOW** Woodland Kv= 5.0 fps
5.4	158	Total			

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Summary for Subcatchment 3S: IMPERVIOUS/TREE/GRASS

Runoff = 0.01 cfs @ 12.34 hrs, Volume= 0.003 af, Depth> 0.30"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25-YR Rainfall=5.80"

Area (sf)	CN	Adj	Description
343	98		Unconnected pavement, HSG A
2,007	30		Woods, Good, HSG A
2,251	39		>75% Grass cover, Good, HSG A
4,601	39	37	Weighted Average, UI Adjusted
4,258			92.55% Pervious Area
343			7.45% Impervious Area
343			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.1	10	0.0515	1.25		**Sheet Flow, A-B SHEET** Smooth surfaces n= 0.011 P2= 3.10"
0.6	75	0.0785	1.96		**Shallow Concentrated Flow, B-C SHALLOW** Short Grass Pasture Kv= 7.0 fps
0.4	36	0.0994	1.58		**Shallow Concentrated Flow, C-D SHALLOW** Woodland Kv= 5.0 fps
1.1	121	Total			

Subcatchment 3S: IMPERVIOUS/TREE/GRASS

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Summary for Link SP-1: (new Link)

Inflow Area = 0.127 ac, 1.69% Impervious, Inflow Depth > 0.29" for 25-YR event
Inflow = 0.01 cfs @ 12.46 hrs, Volume= 0.003 af
Primary = 0.01 cfs @ 12.46 hrs, Volume= 0.003 af, Atten= 0%, Lag= 0.0 min

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

Link SP-1: (new Link)

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Summary for Link SP-2: (new Link)

Inflow Area = 0.388 ac, 6.08% Impervious, Inflow Depth > 0.26" for 25-YR event
Inflow = 0.02 cfs @ 12.42 hrs, Volume= 0.009 af
Primary = 0.02 cfs @ 12.42 hrs, Volume= 0.009 af, Atten= 0%, Lag= 0.0 min

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

Link SP-2: (new Link)