

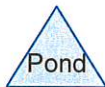
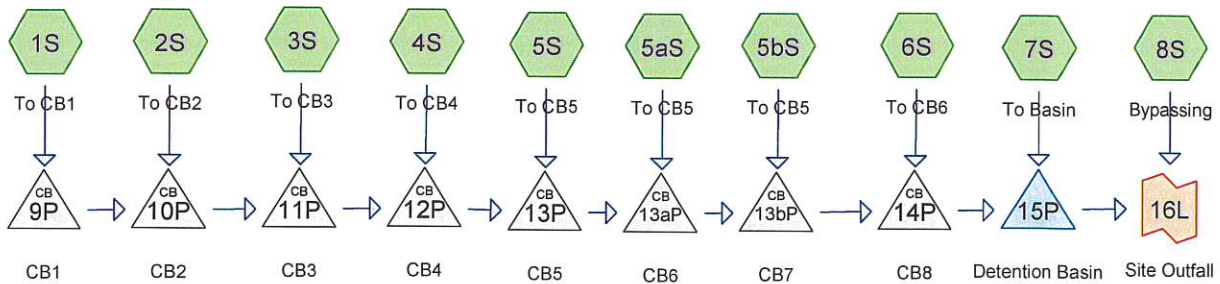
**Brookhollow Senior
Apartments**

Pre-Development



To Outfall

Post-Development



Routing Diagram for Runoff

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Runoff

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Page 2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
1.211	61	>75% Grass cover, Good, HSG B (1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S)
1.257	61	Pasture/grassland/range, Good, HSG B (OS)
1.747	98	Paved parking, HSG B (1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S)
13.681	66	Woods, Poor, HSG B (8S, OS)
17.896	68	TOTAL AREA

Runoff

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Page 3

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	9P	650.60	647.00	132.0	0.0273	0.021	12.0	0.0	0.0
2	10P	647.00	646.50	28.0	0.0179	0.021	12.0	0.0	0.0
3	11P	646.50	645.60	86.0	0.0105	0.021	18.0	0.0	0.0
4	12P	645.60	644.40	112.0	0.0107	0.021	18.0	0.0	0.0
5	13aP	643.50	637.90	109.0	0.0514	0.021	24.0	0.0	0.0
6	13bP	637.90	634.50	136.0	0.0250	0.021	24.0	0.0	0.0
7	13P	644.40	643.50	48.0	0.0187	0.021	24.0	0.0	0.0
8	14P	634.50	634.00	34.0	0.0147	0.021	24.0	0.0	0.0
9	15P	625.00	624.00	35.0	0.0286	0.021	12.0	0.0	0.0

Runoff

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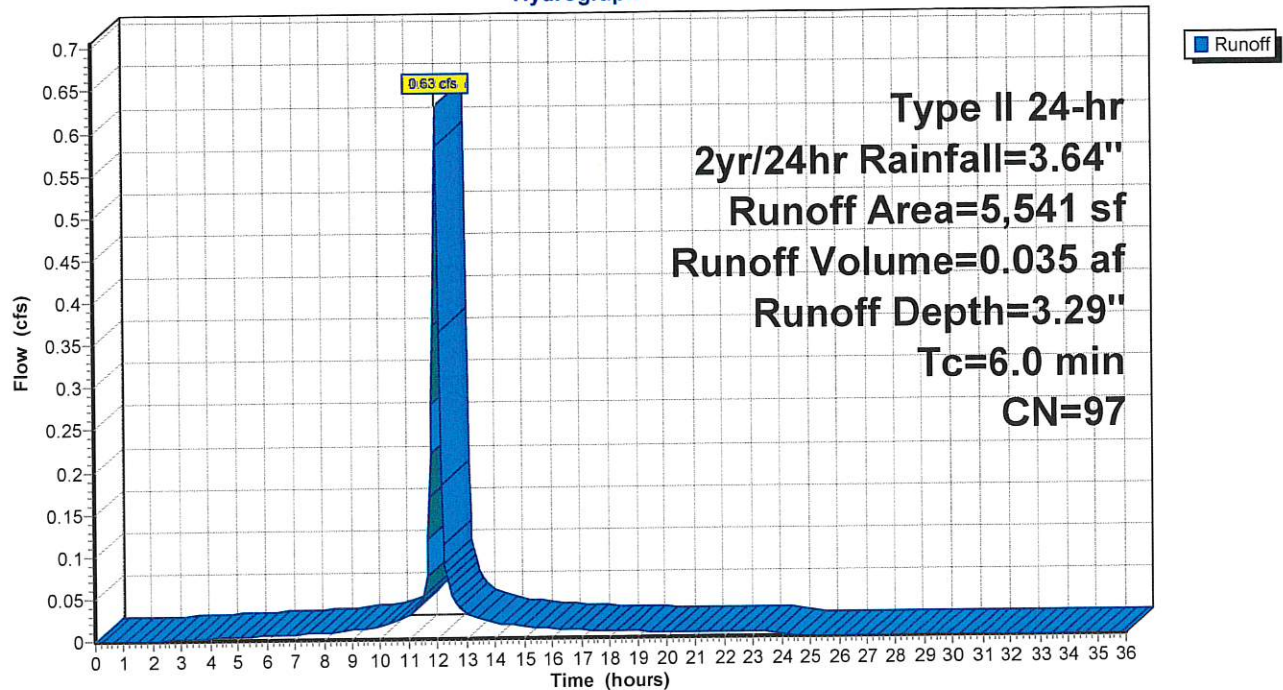
Brookhollow Senior Apartments
Type II 24-hr 2yr/24hr Rainfall=3.64"

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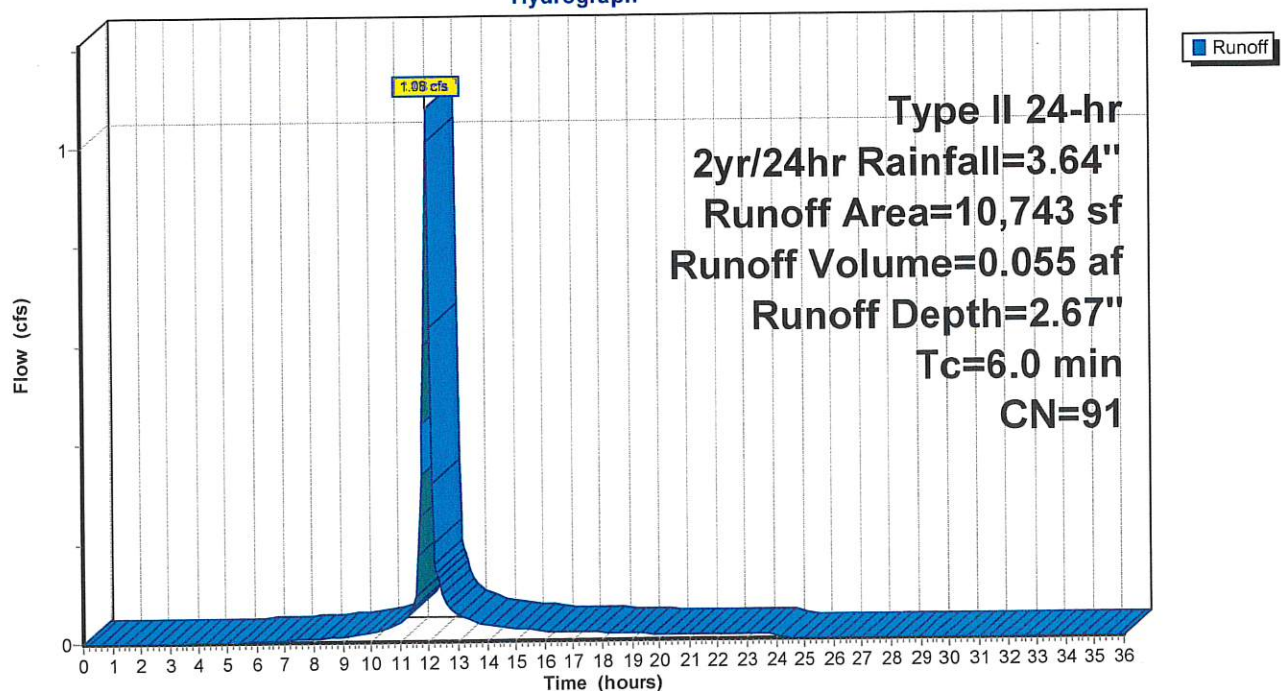
Subcatchment 1S: To CB1

Hydrograph



Subcatchment 2S: To CB2

Hydrograph



Runoff

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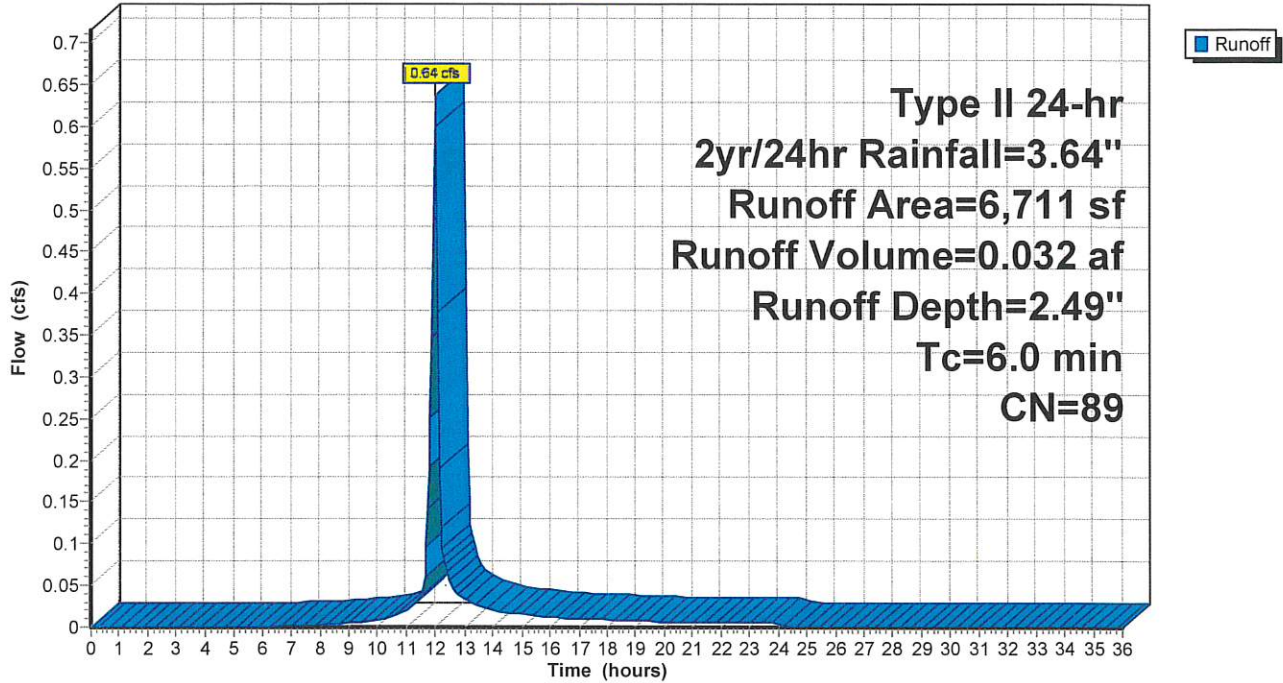
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Type II 24-hr 2yr/24hr Rainfall=3.64"

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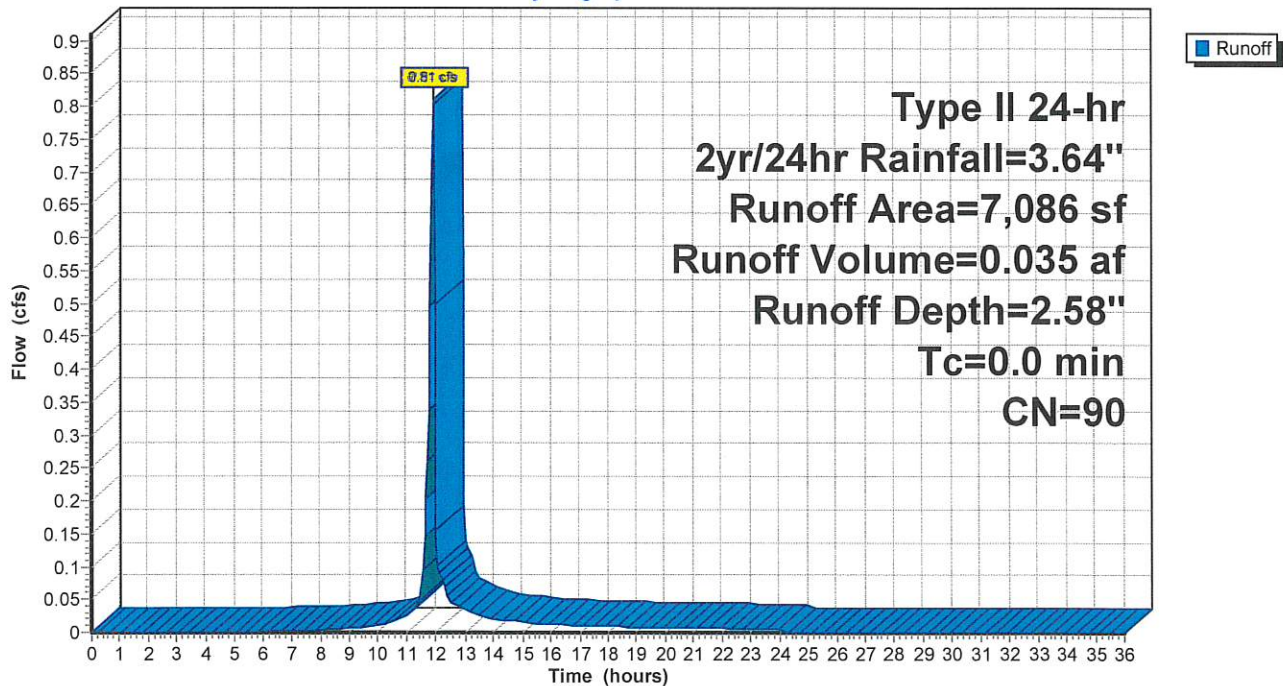
Subcatchment 3S: To CB3

Hydrograph



Subcatchment 4S: To CB4

Hydrograph



Runoff

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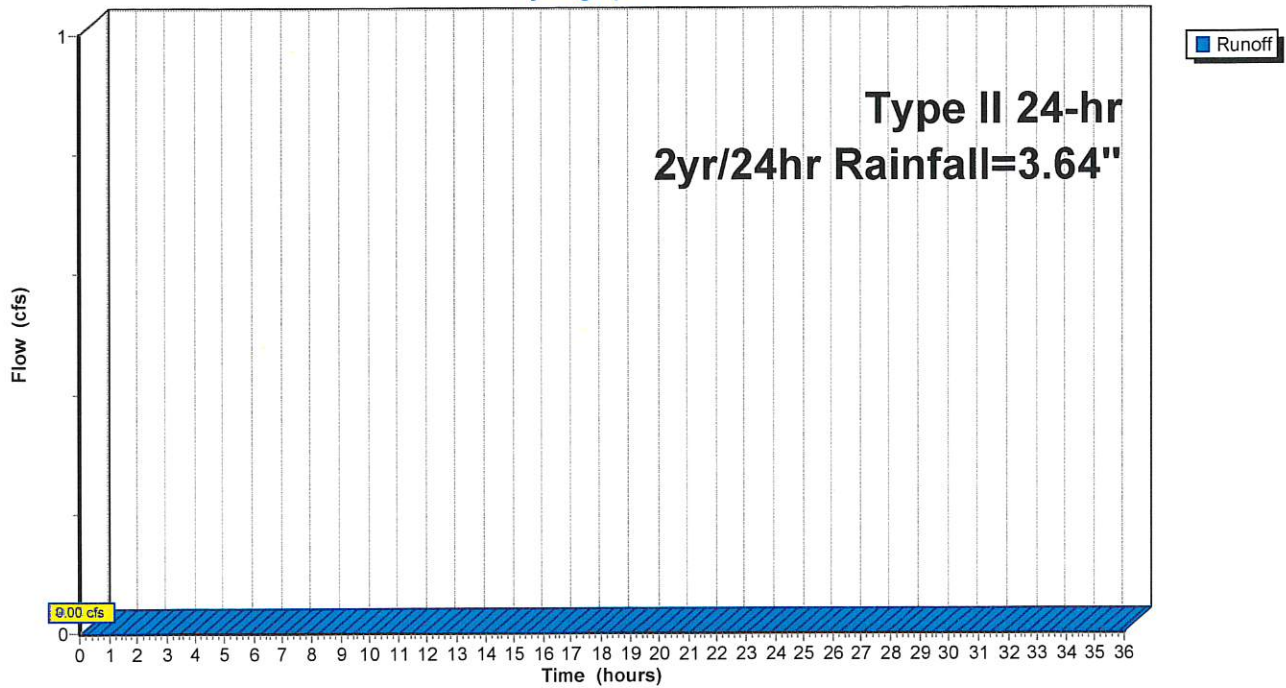
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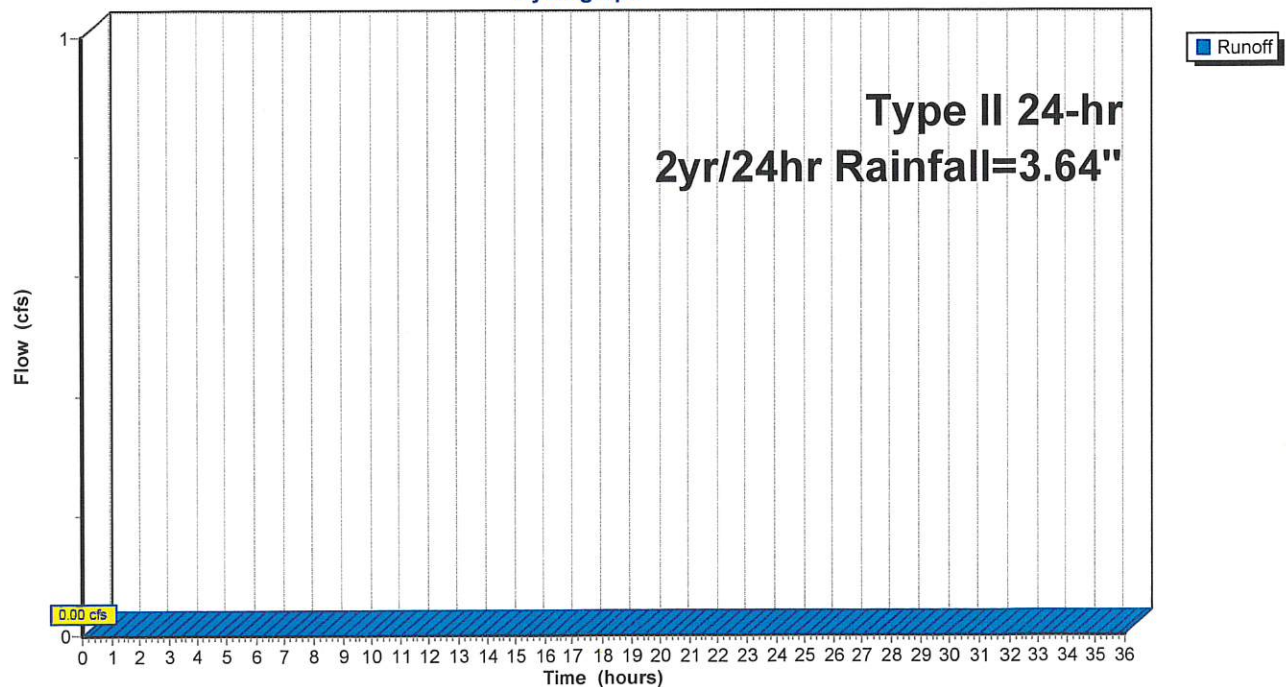
Subcatchment 5aS: To CB5

Hydrograph



Subcatchment 5bS: To CB5

Hydrograph



Runoff

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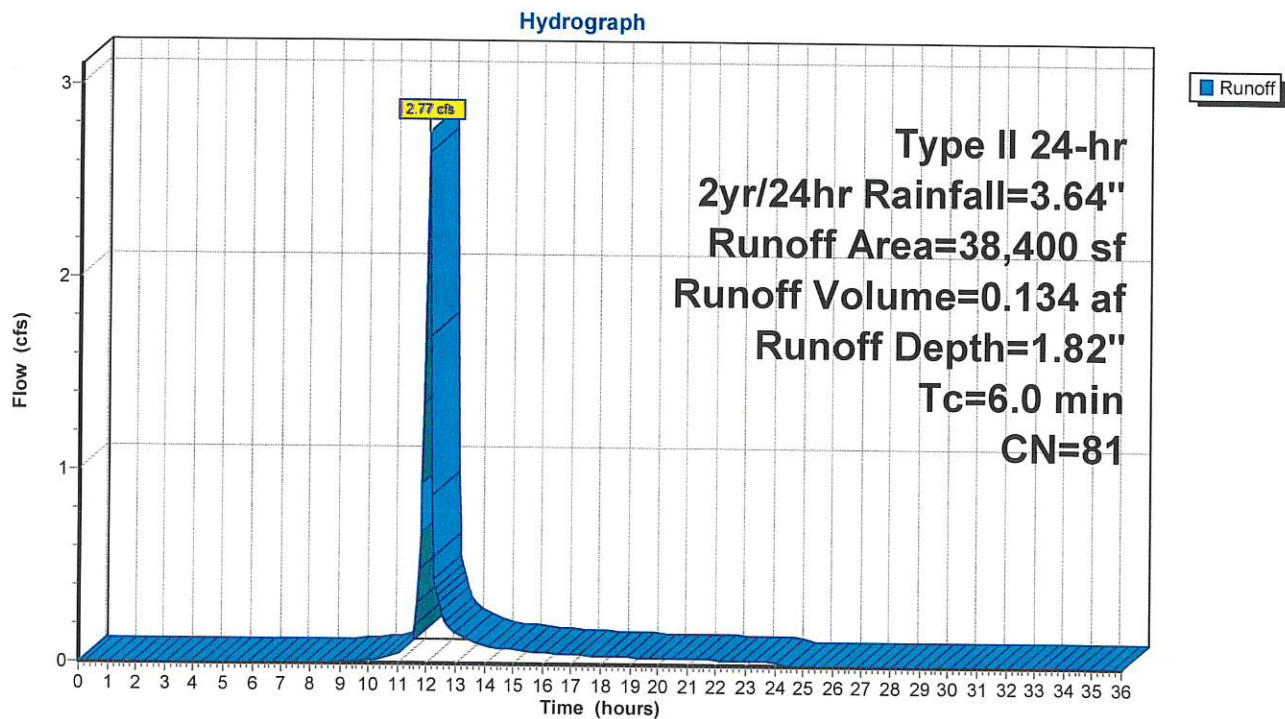
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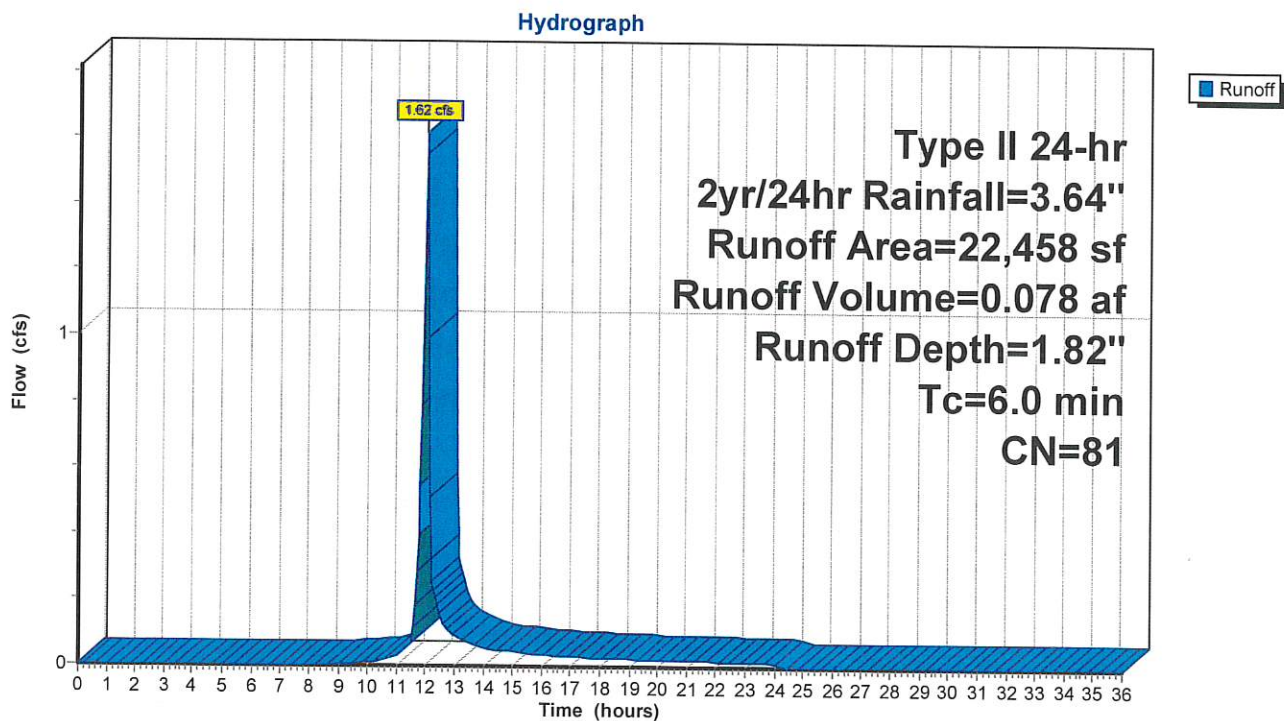
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Subcatchment 5S: To CB5



Subcatchment 6S: To CB6



Runoff

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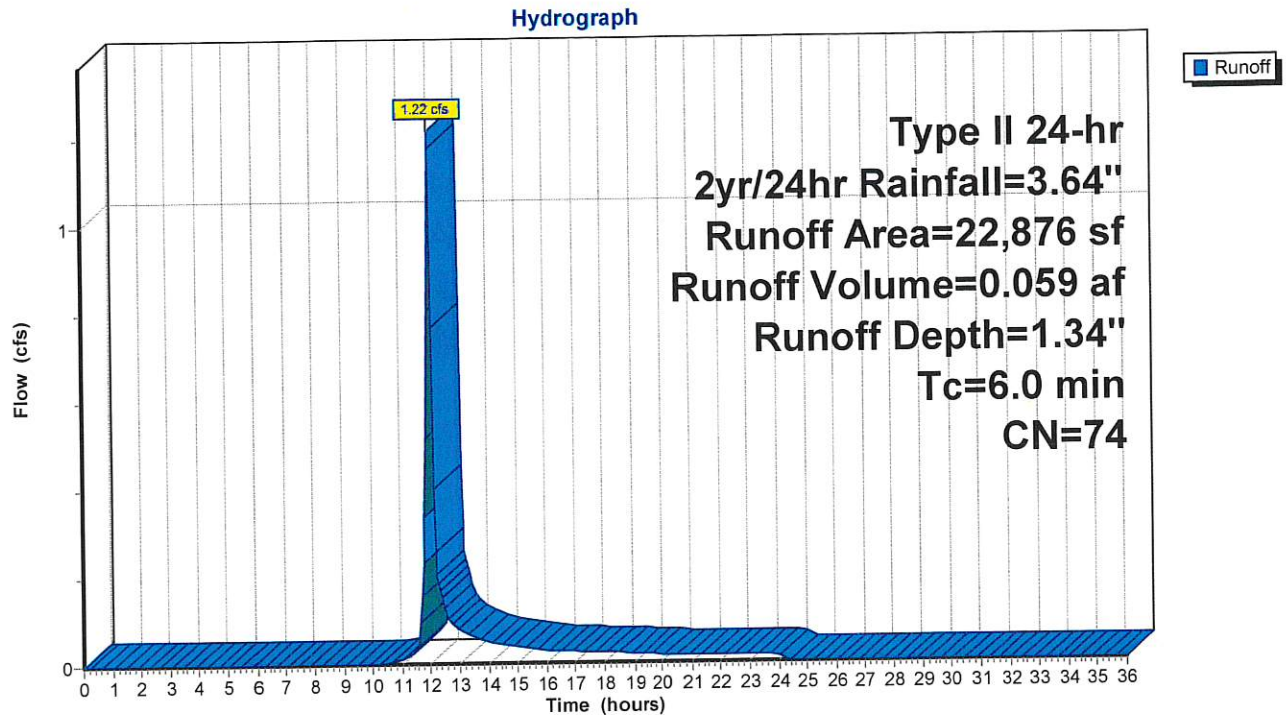
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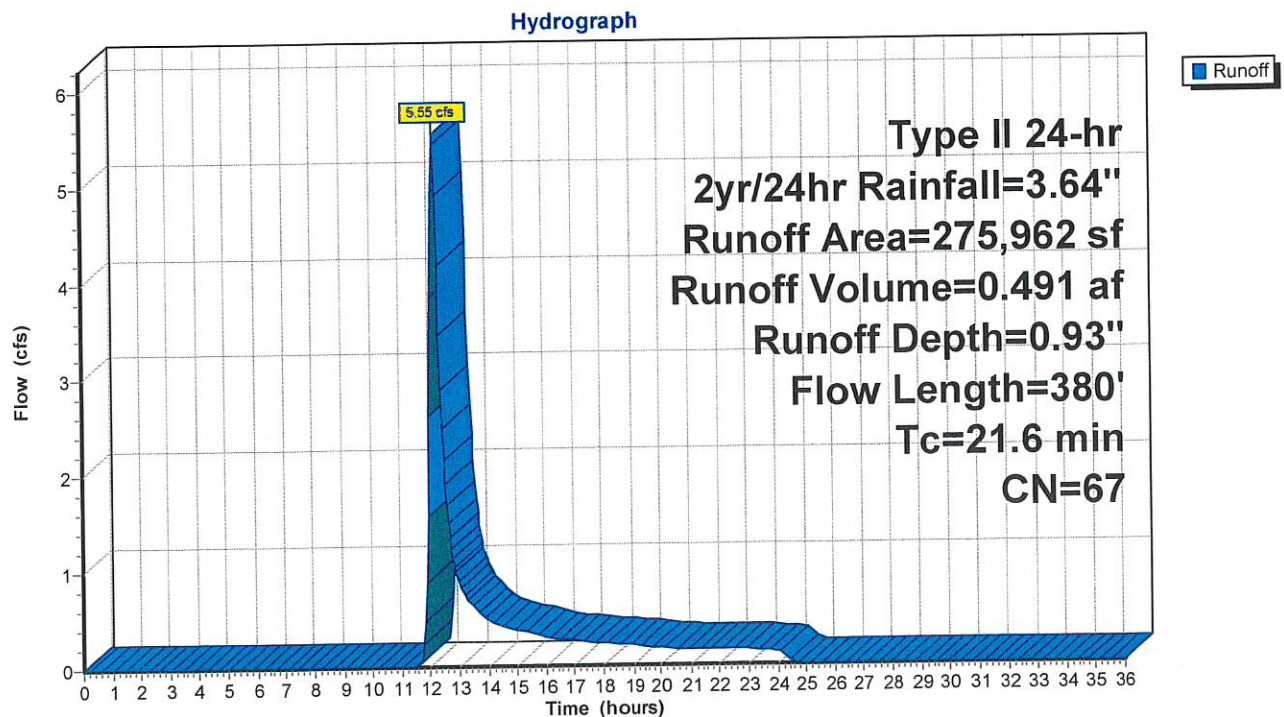
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Subcatchment 7S: To Basin



Subcatchment 8S: Bypassing



Runoff

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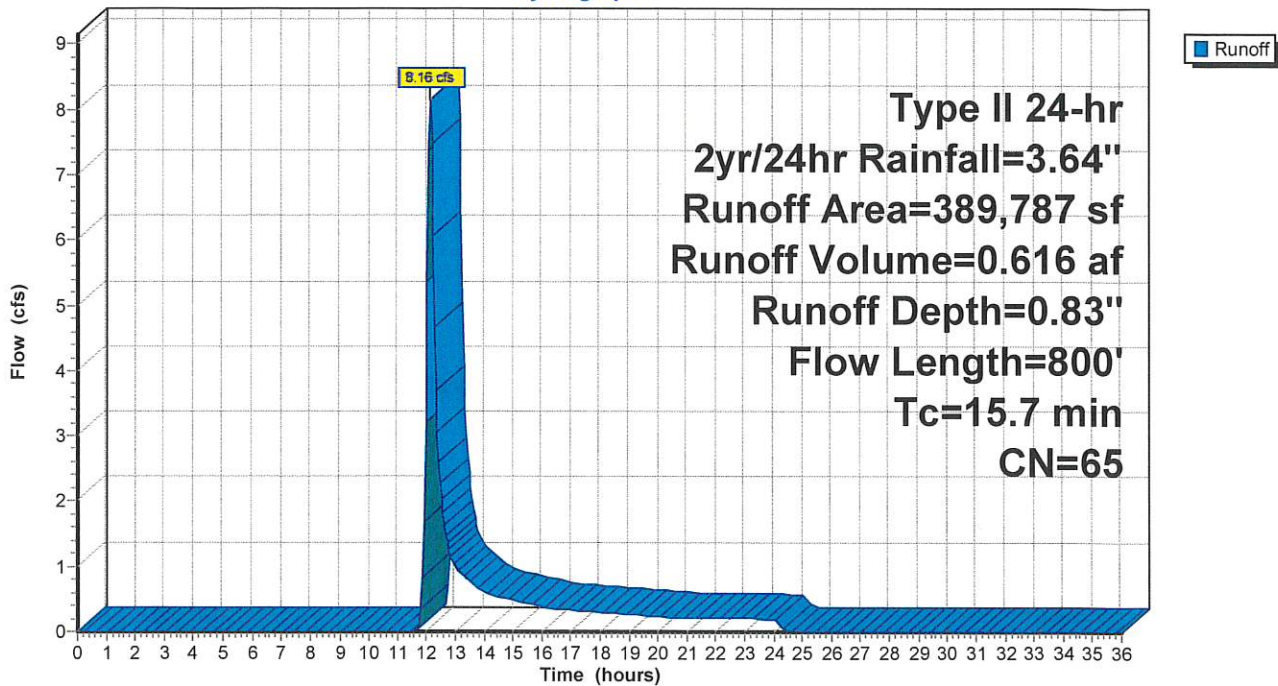
Brookhollow Senior Apartments
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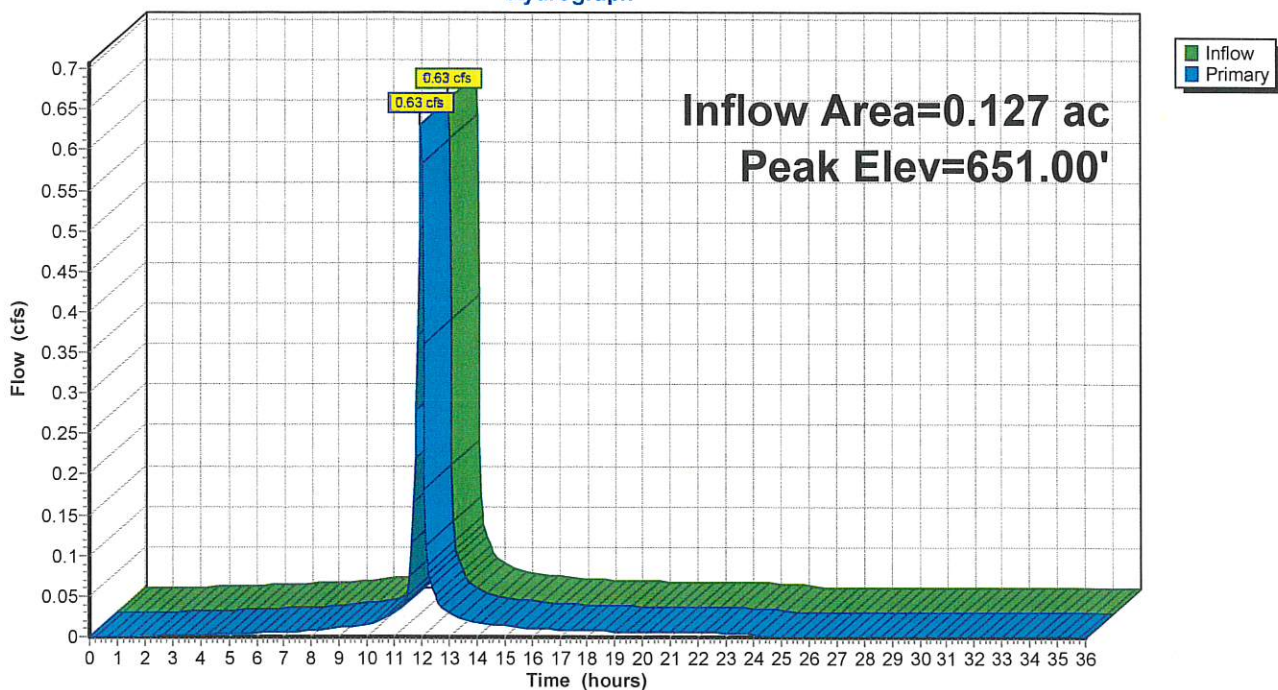
Subcatchment OS: To Outfall

Hydrograph



Pond 9P: CB1

Hydrograph



Runoff

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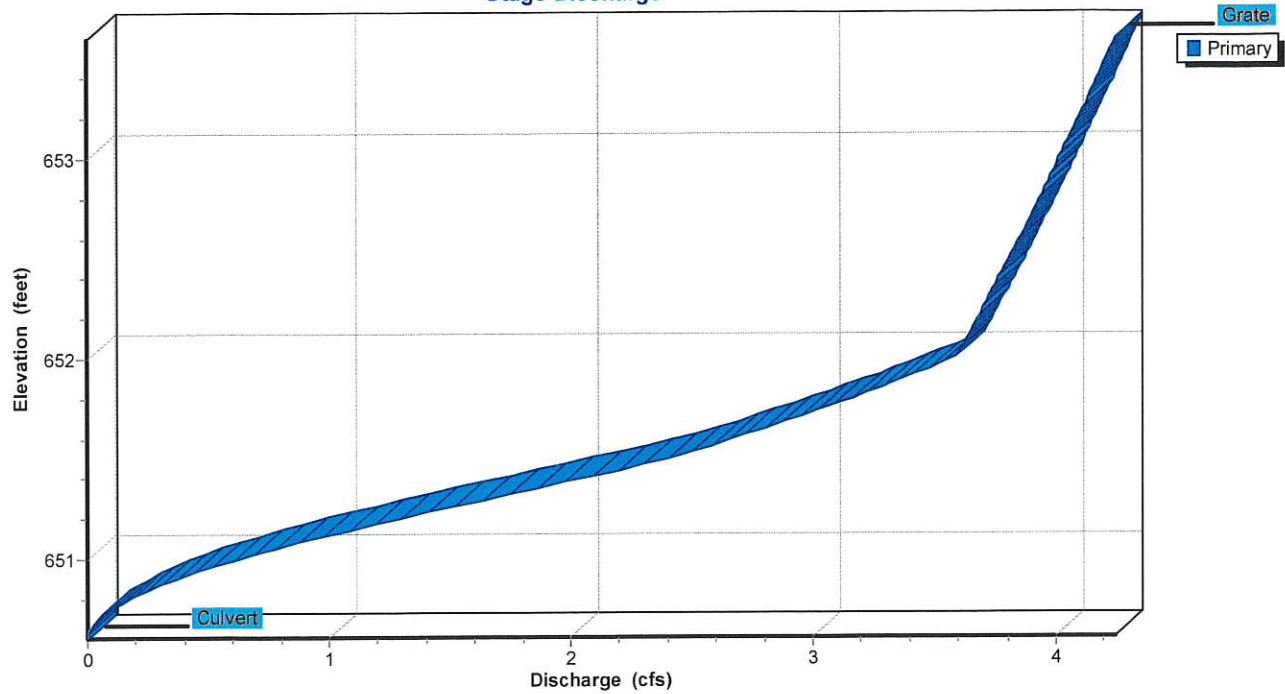
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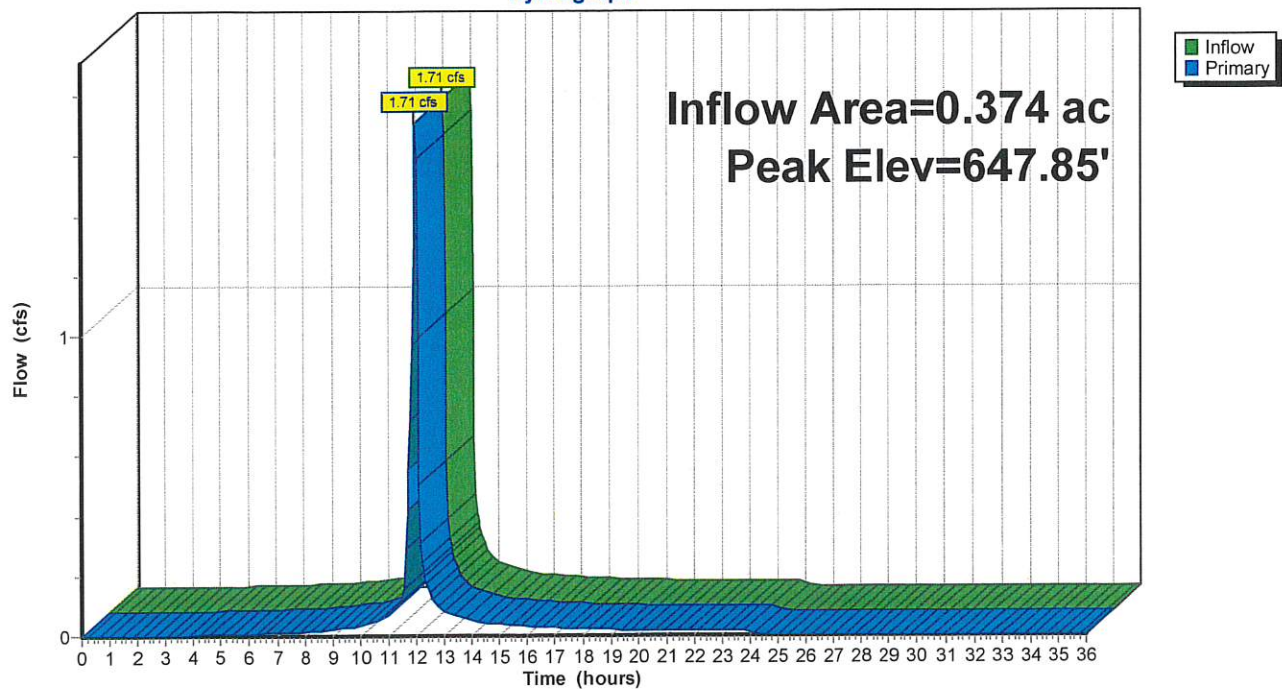
Pond 9P: CB1

Stage-Discharge



Pond 10P: CB2

Hydrograph



Runoff

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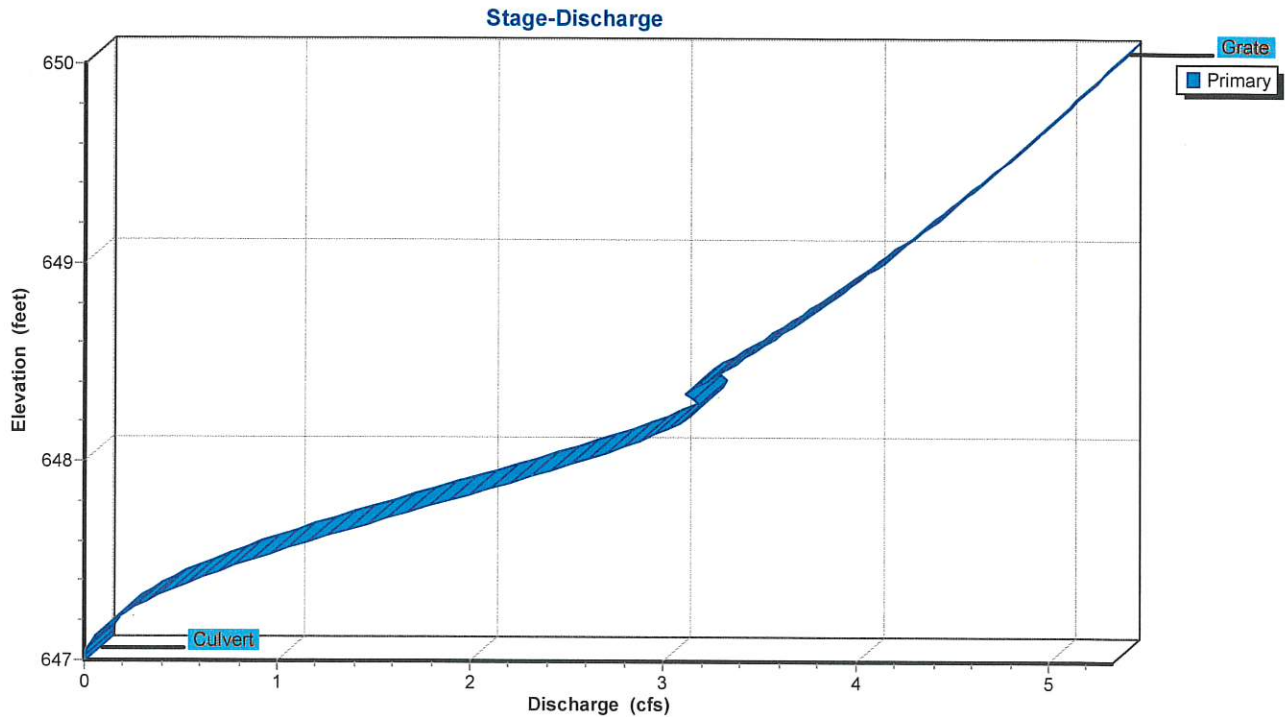
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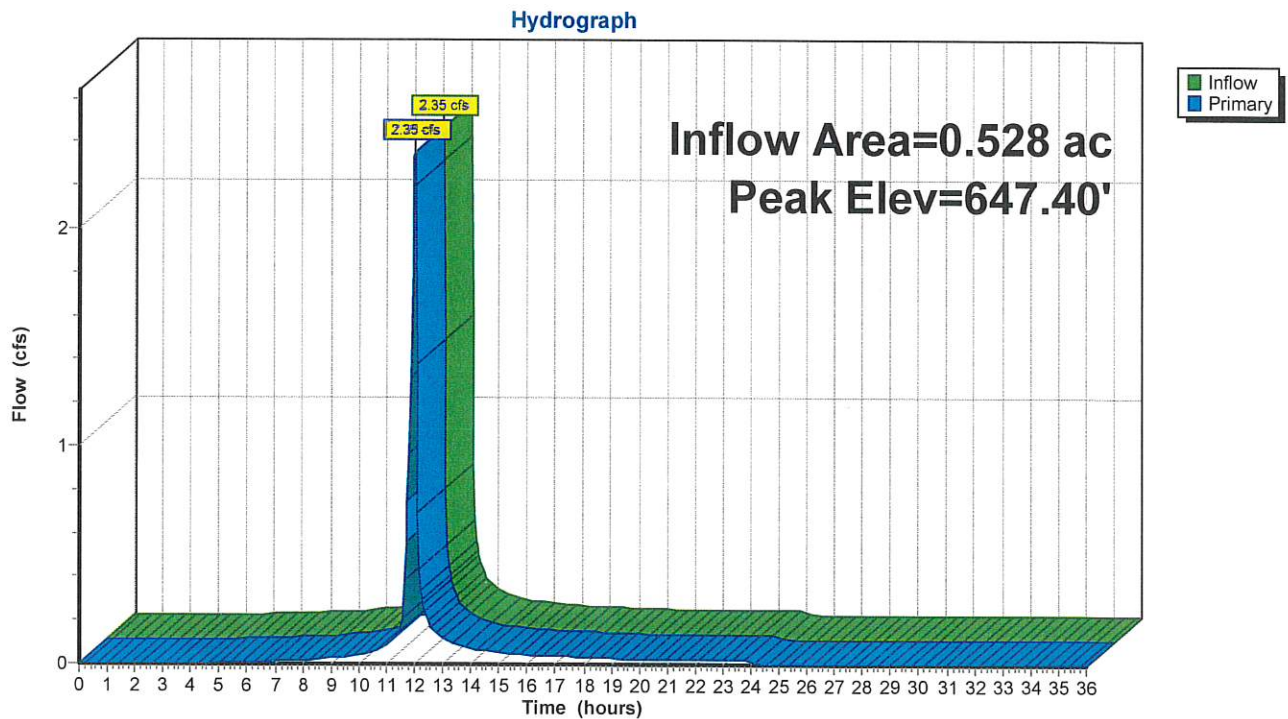
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Pond 10P: CB2



Pond 11P: CB3



Runoff

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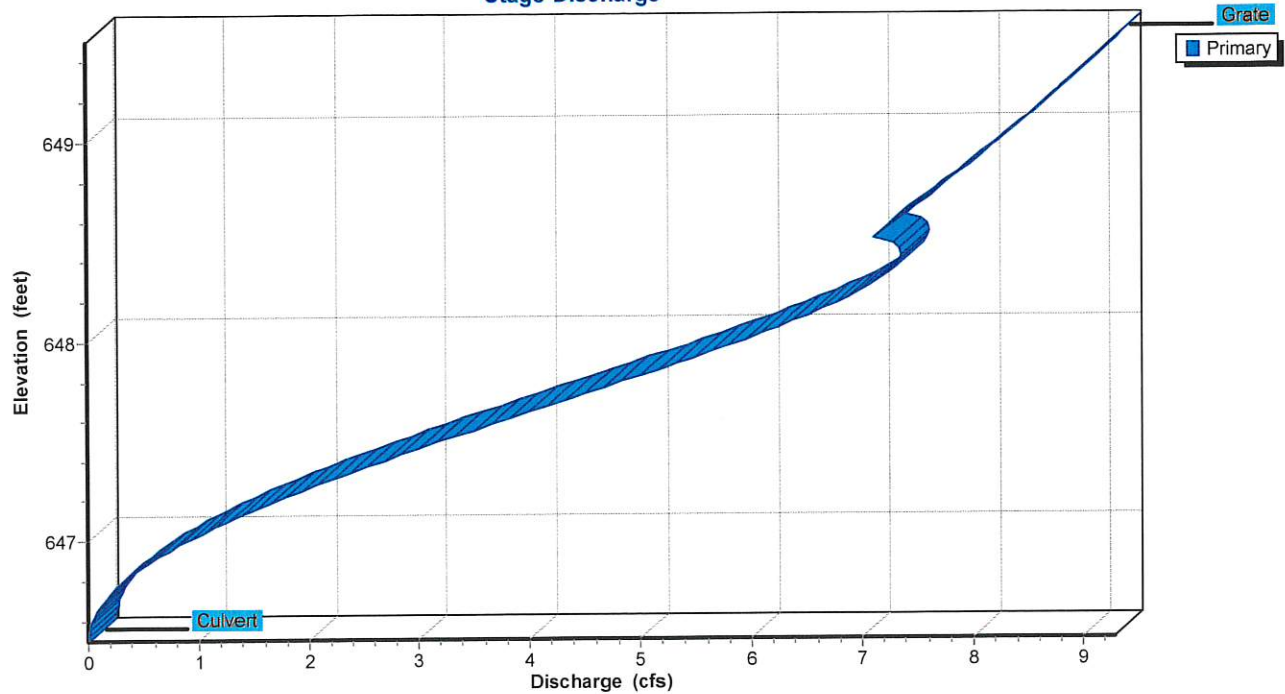
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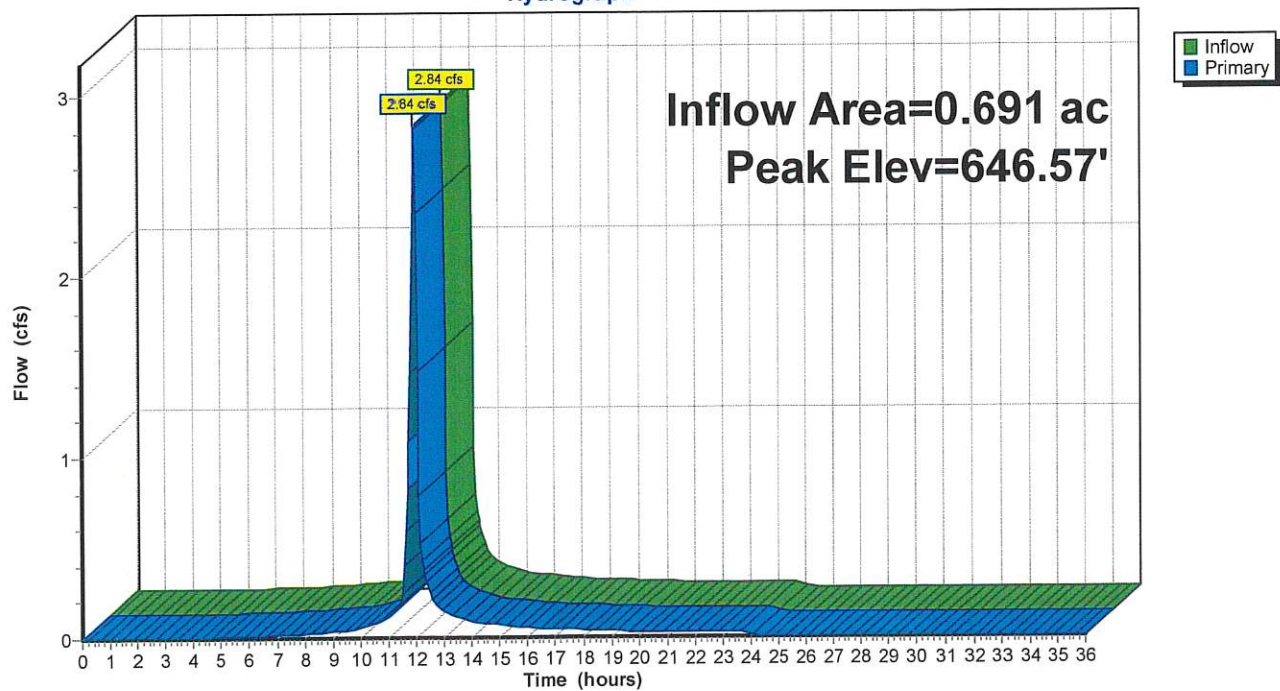
Pond 11P: CB3

Stage-Discharge



Pond 12P: CB4

Hydrograph



Runoff

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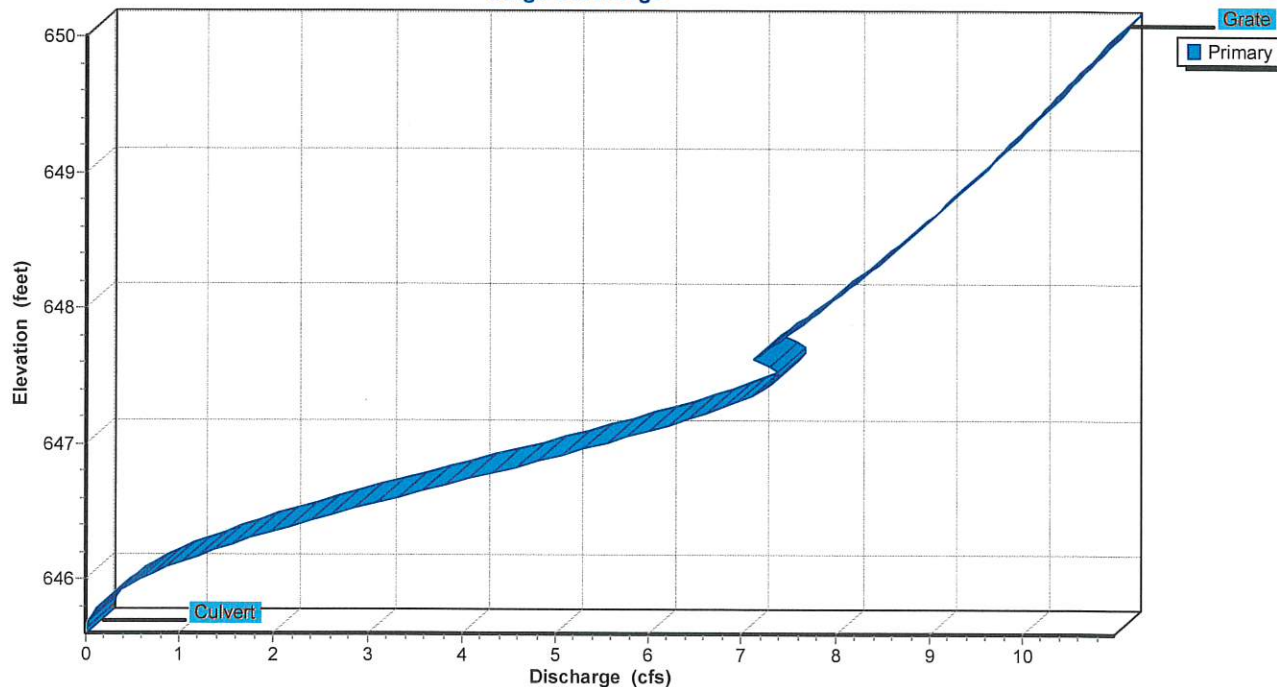
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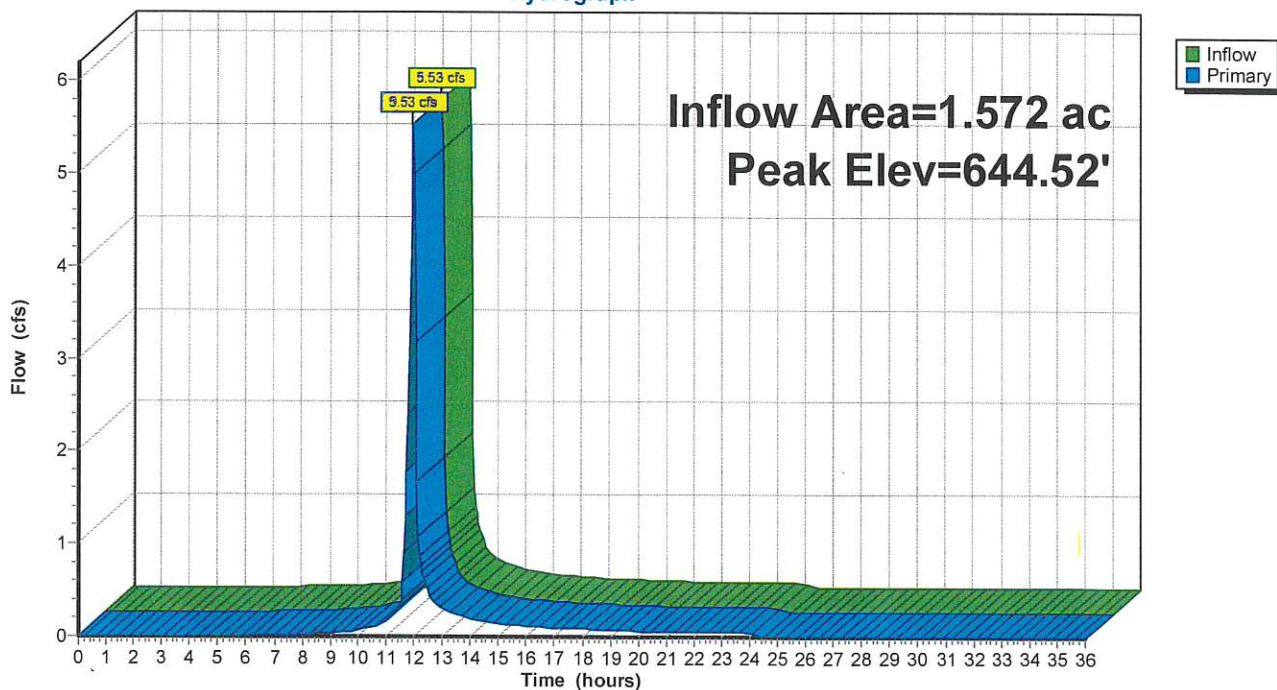
Pond 12P: CB4

Stage-Discharge



Pond 13aP: CB6

Hydrograph



Runoff

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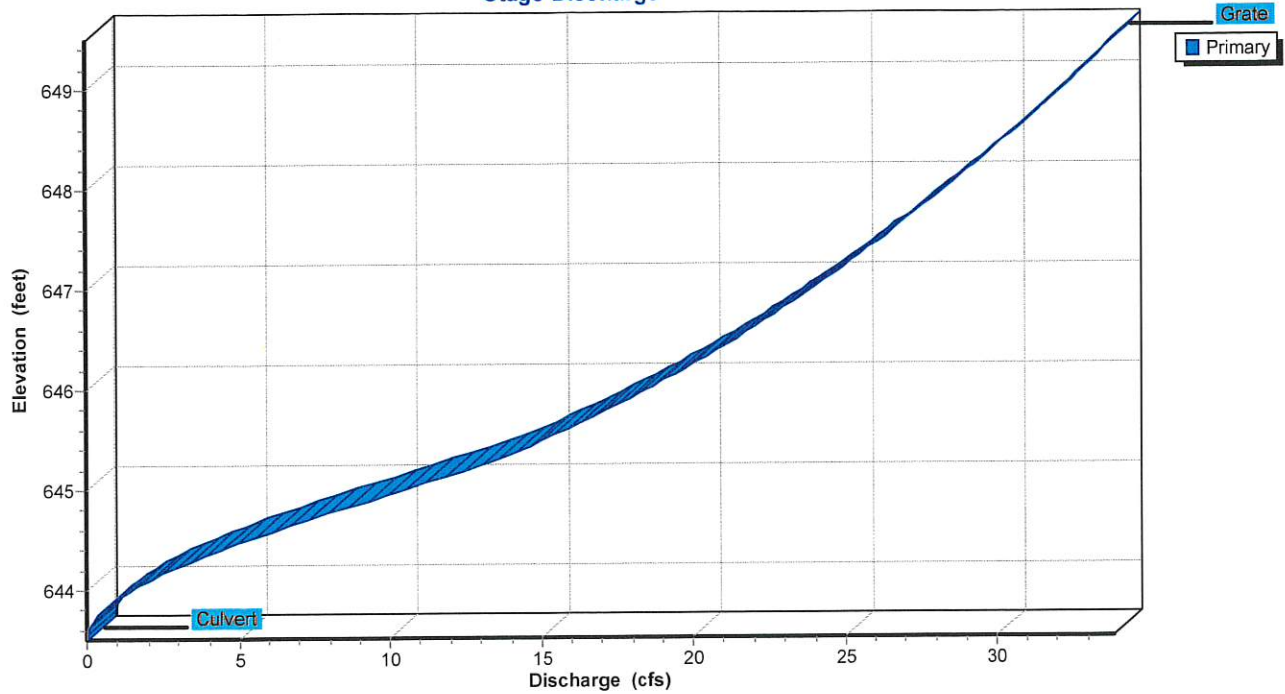
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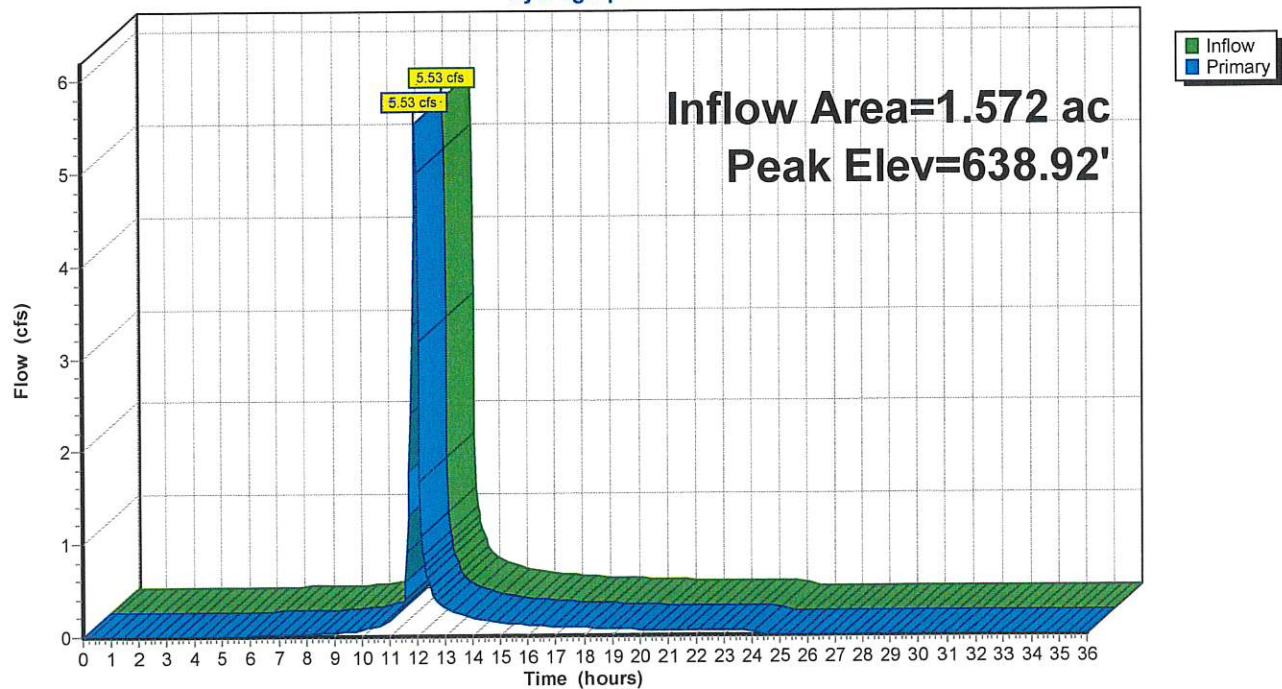
Pond 13aP: CB6

Stage-Discharge



Pond 13bP: CB7

Hydrograph



Runoff

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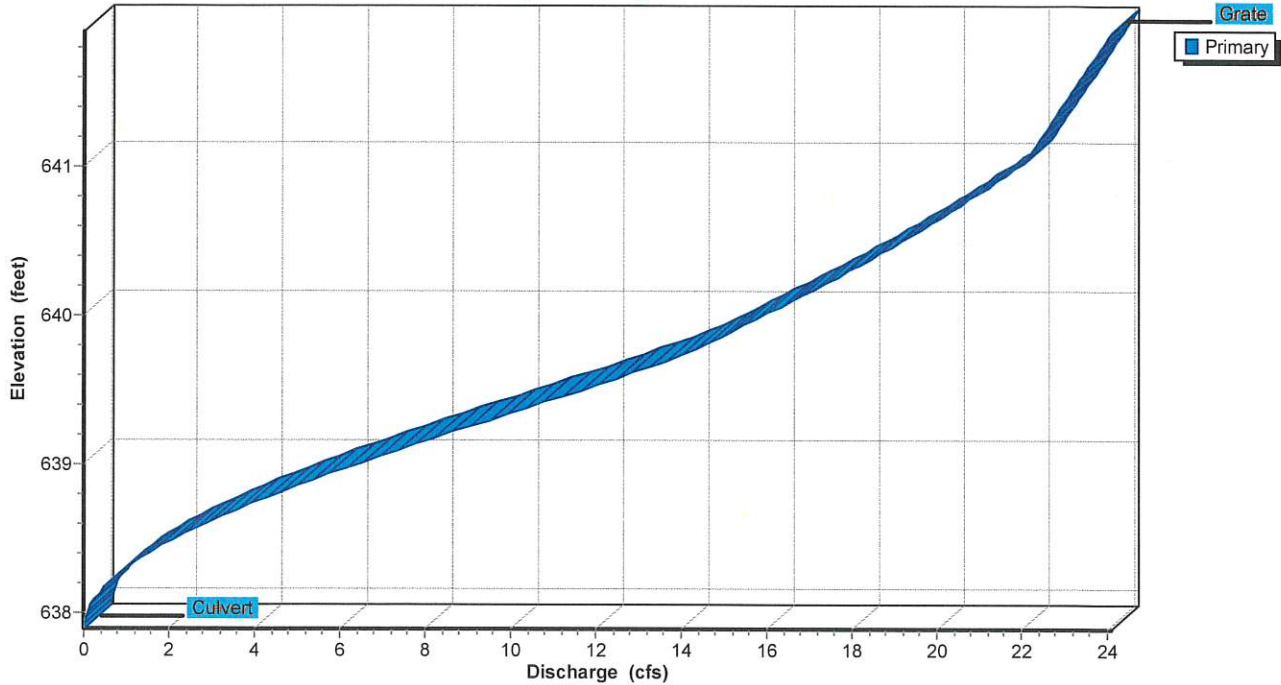
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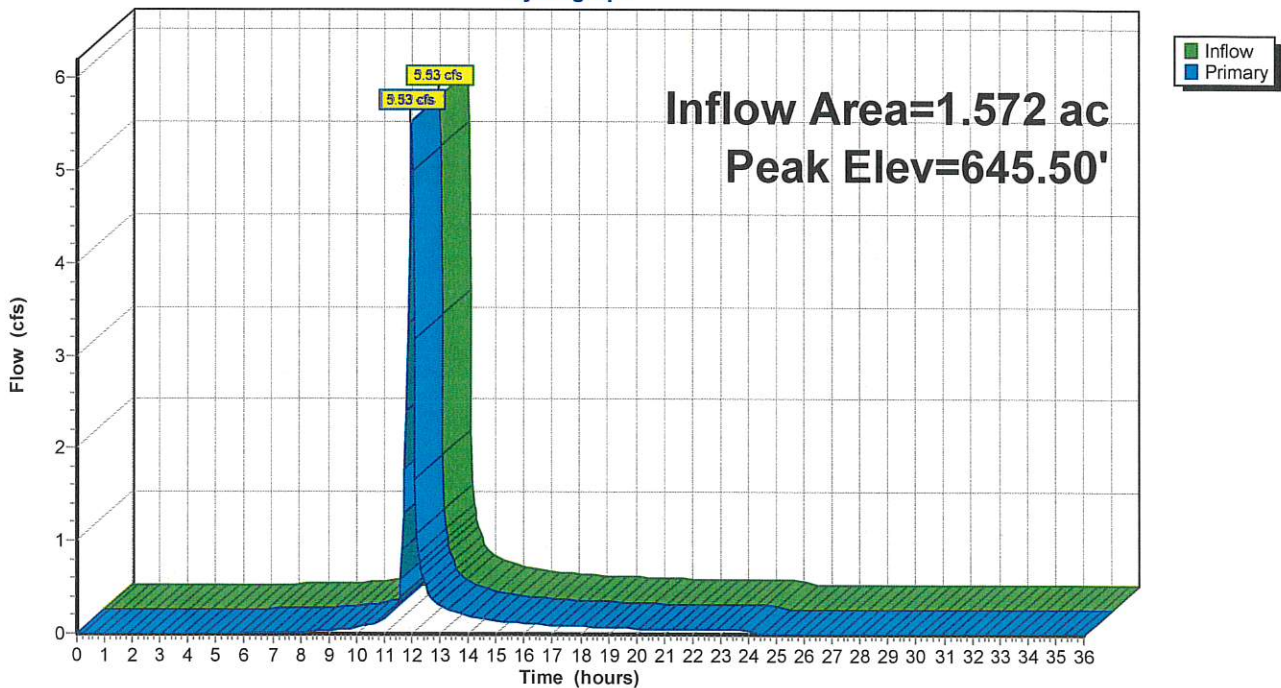
Pond 13bP: CB7

Stage-Discharge



Pond 13P: CB5

Hydrograph



Runoff

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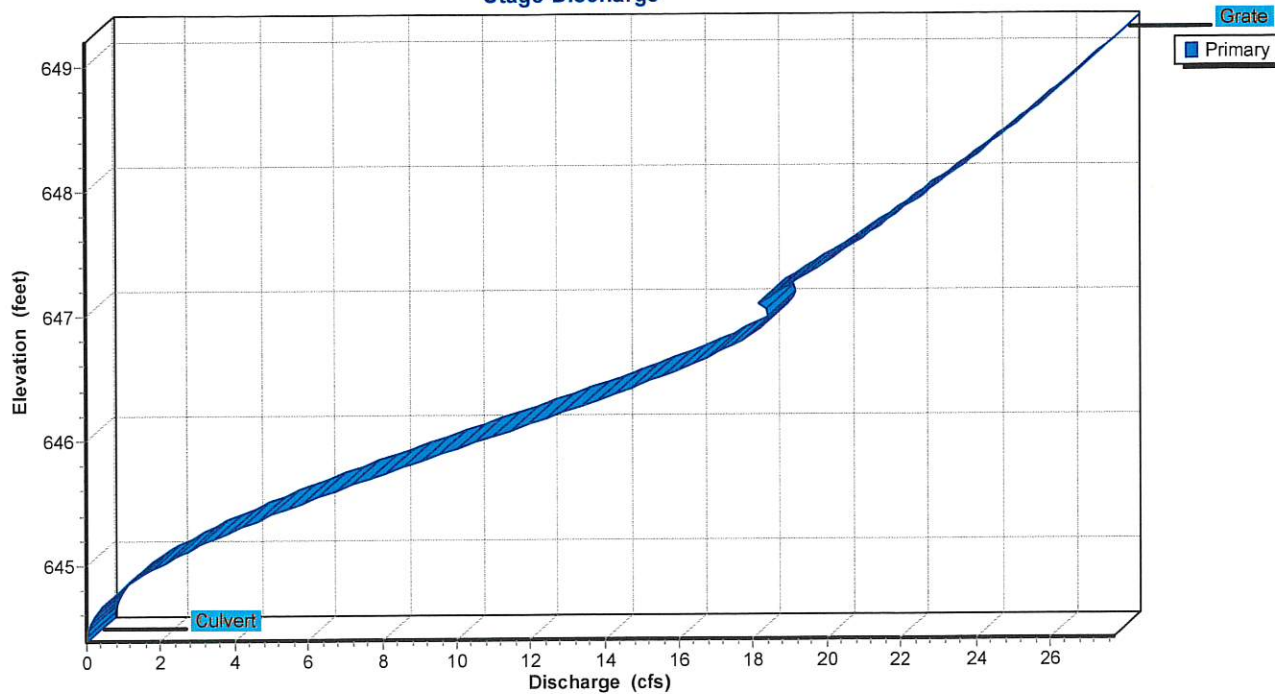
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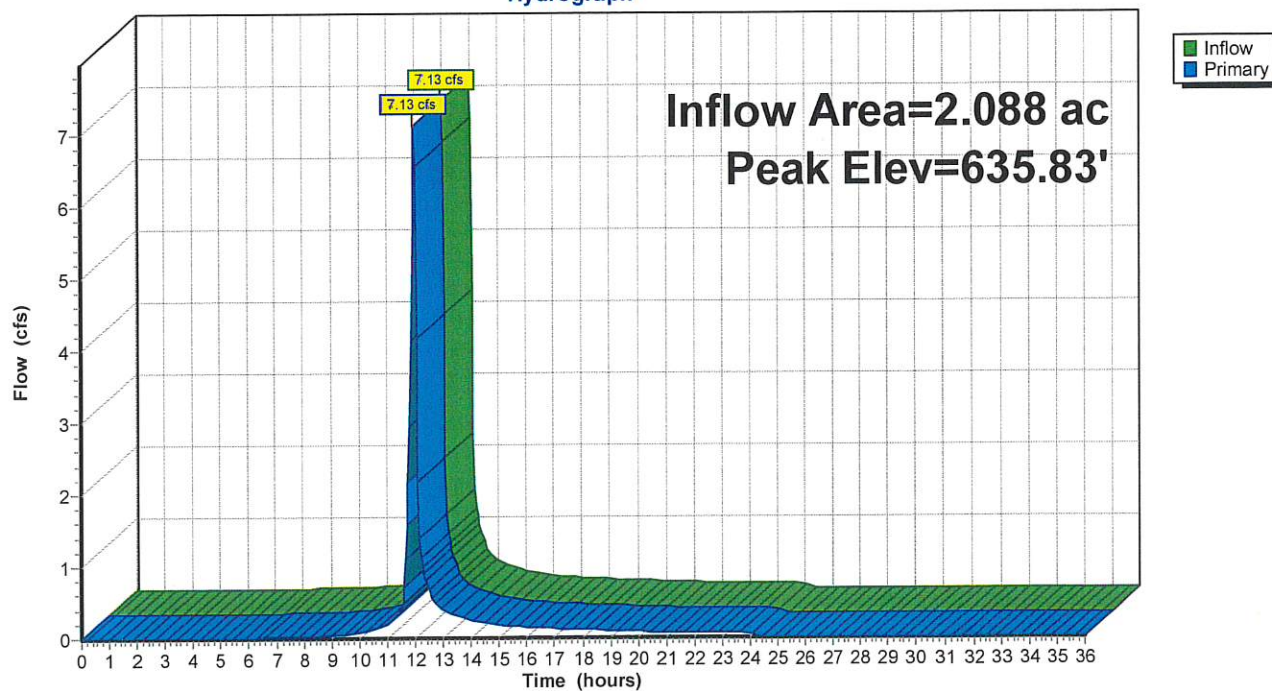
Pond 13P: CB5

Stage-Discharge



Pond 14P: CB8

Hydrograph



Runoff

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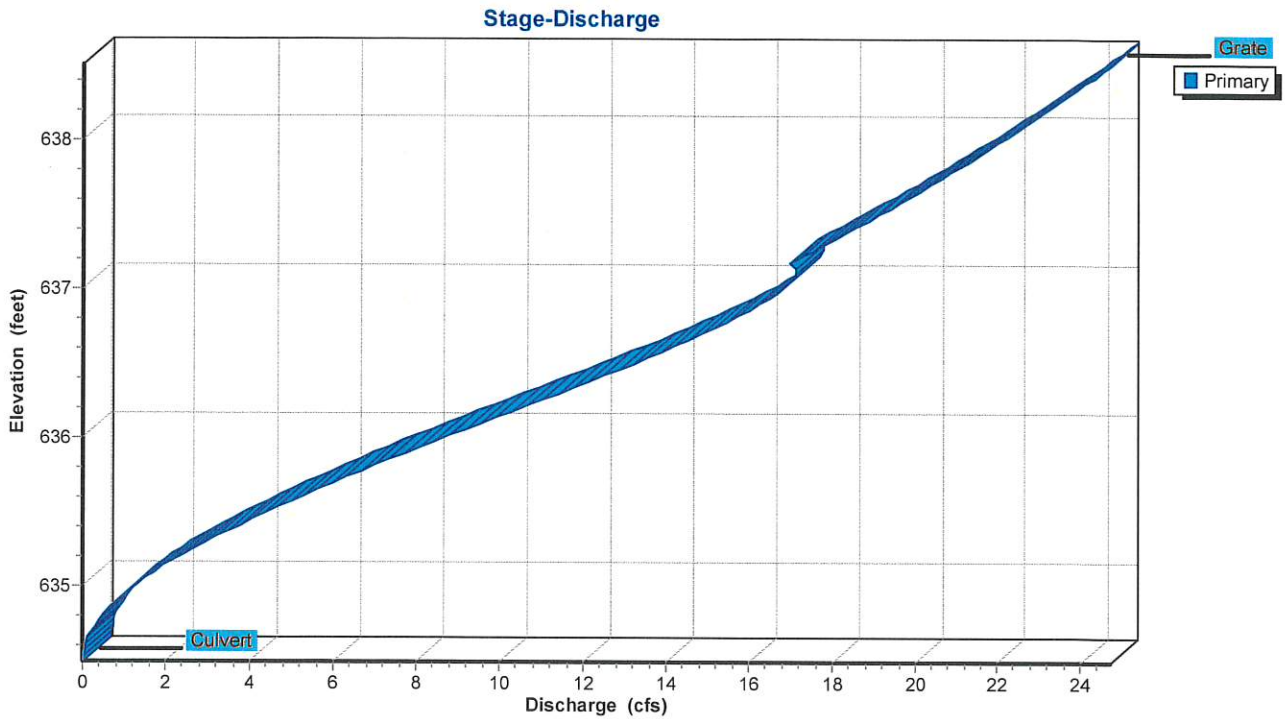
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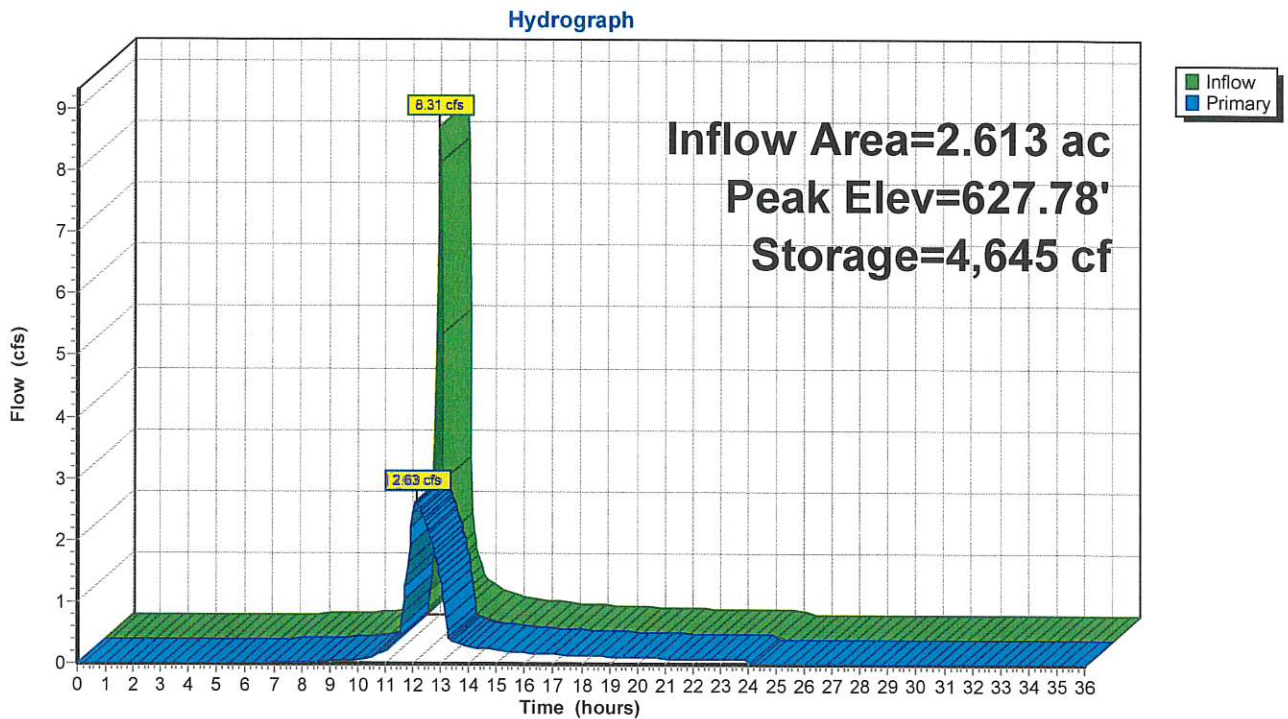
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Pond 14P: CB8



Pond 15P: Detention Basin



Runoff

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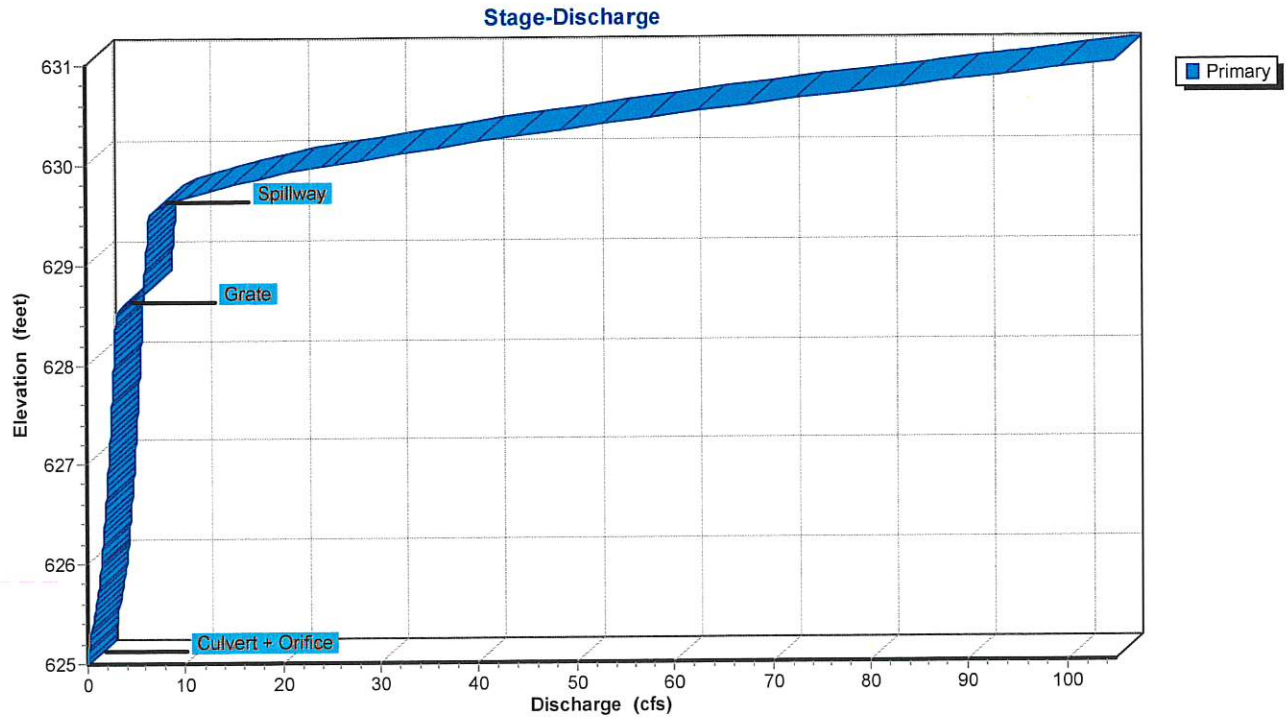
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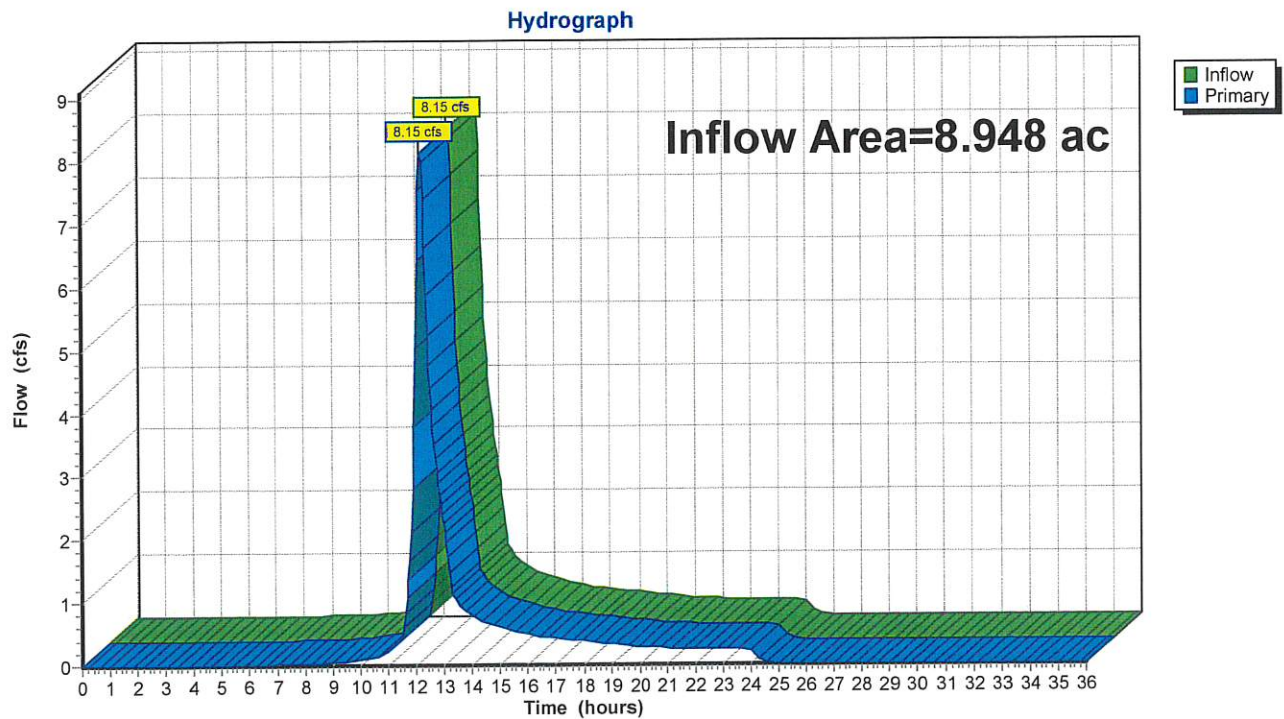
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Pond 15P: Detention Basin



Link 16L: Site Outfall



Runoff

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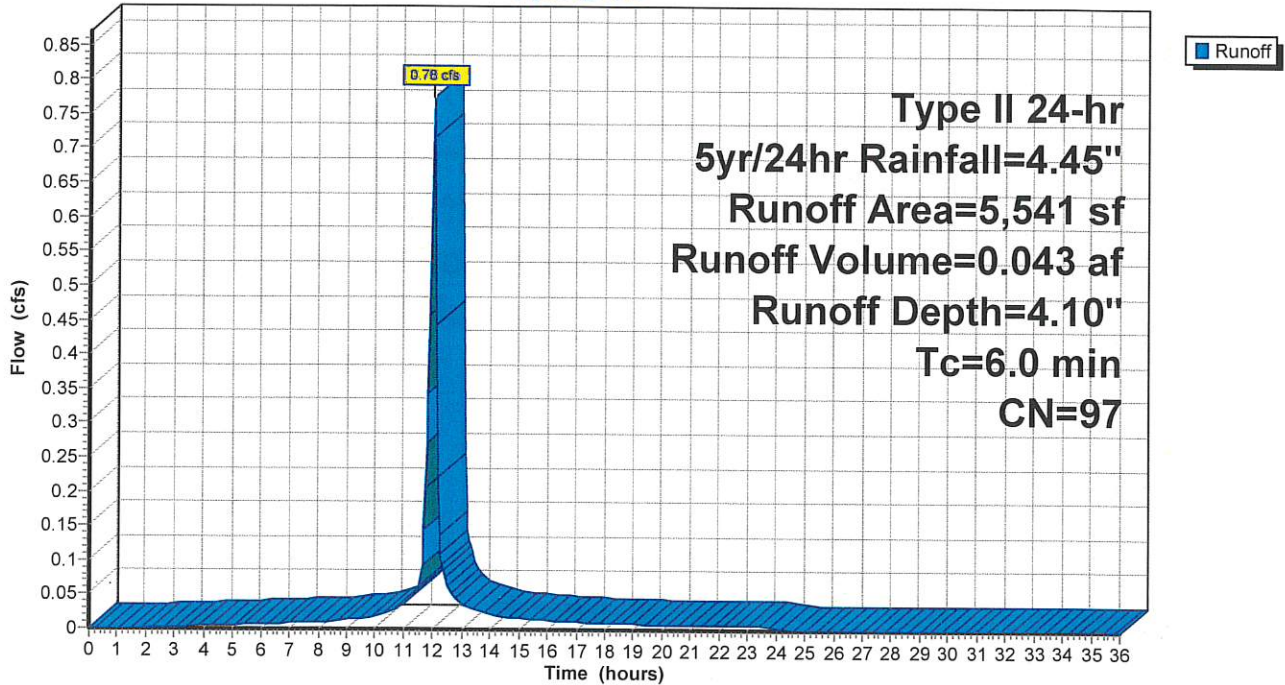
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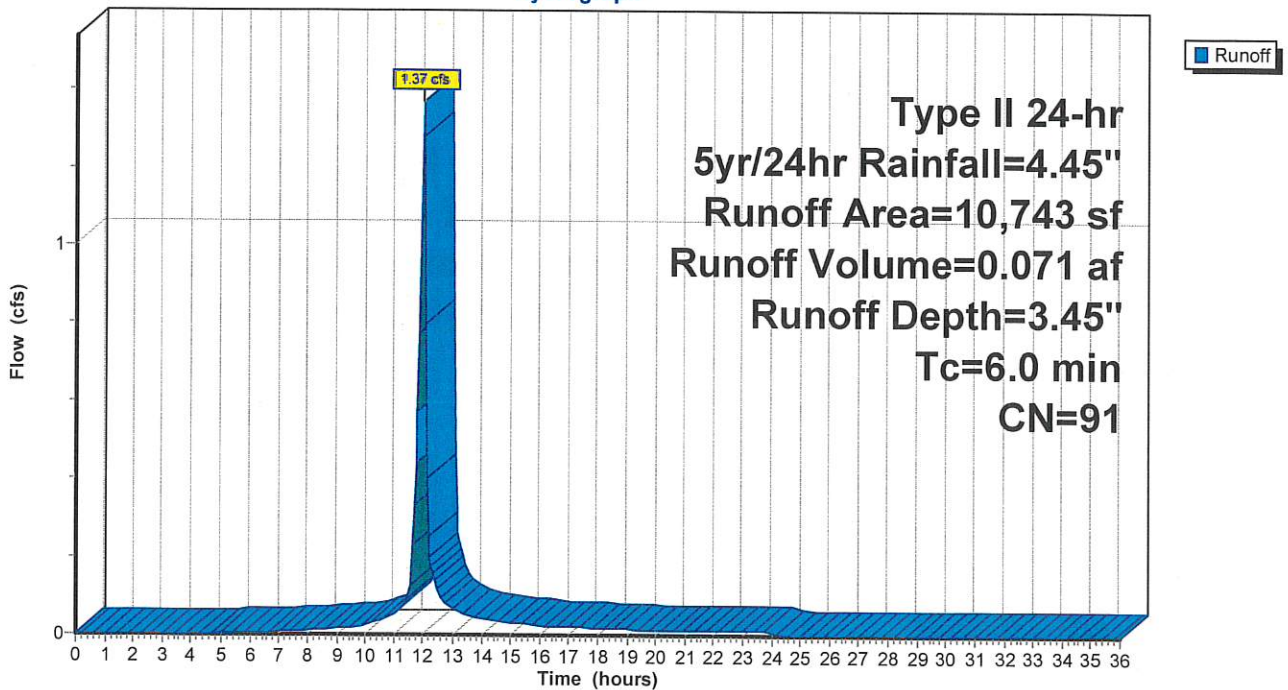
Subcatchment 1S: To CB1

Hydrograph



Subcatchment 2S: To CB2

Hydrograph



Runoff

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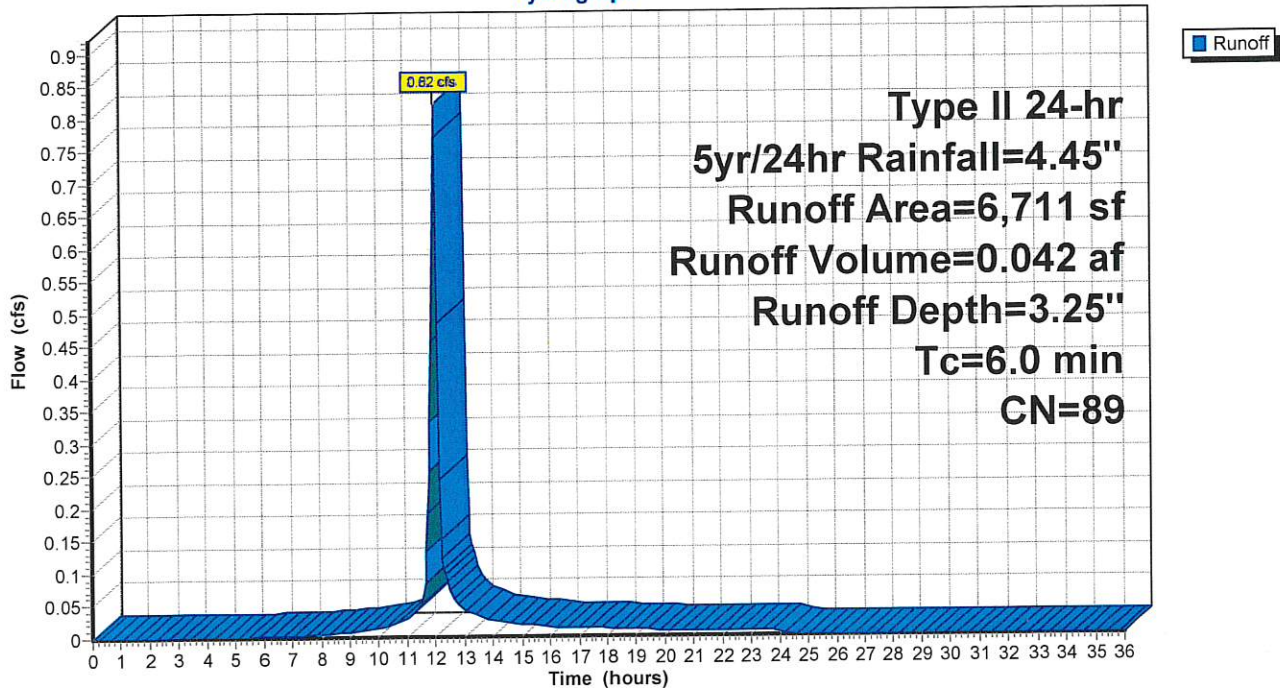
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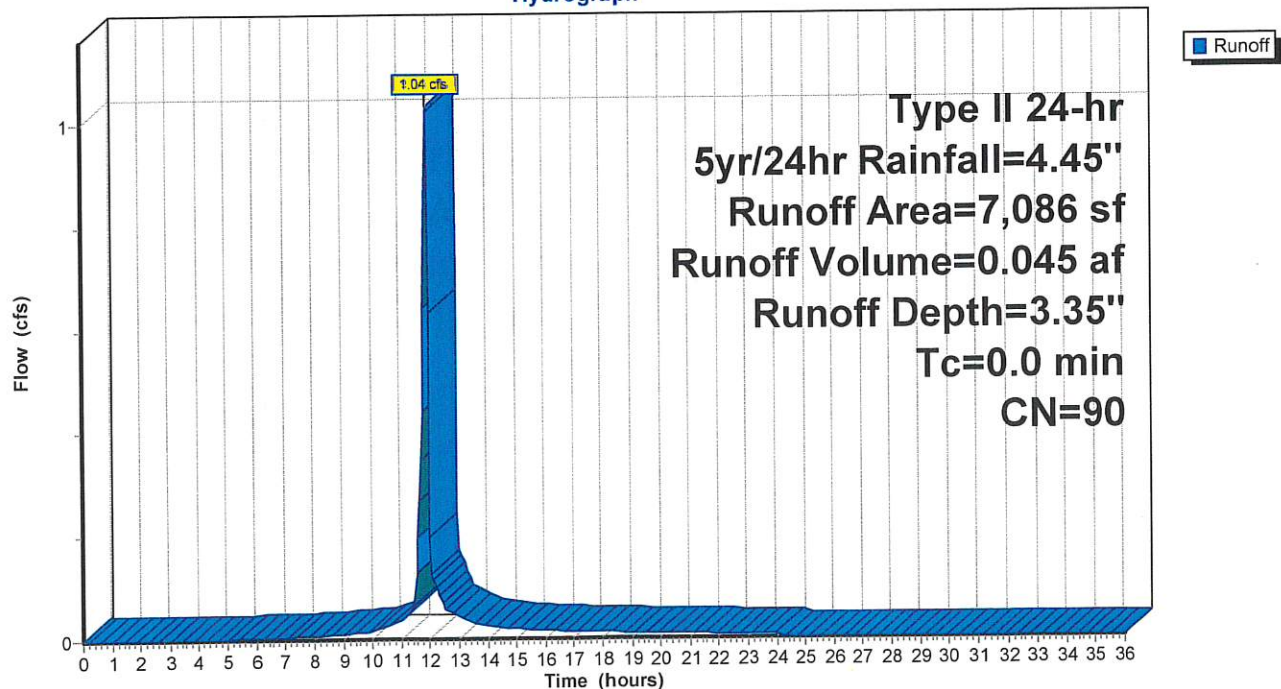
Subcatchment 3S: To CB3

Hydrograph



Subcatchment 4S: To CB4

Hydrograph



Runoff

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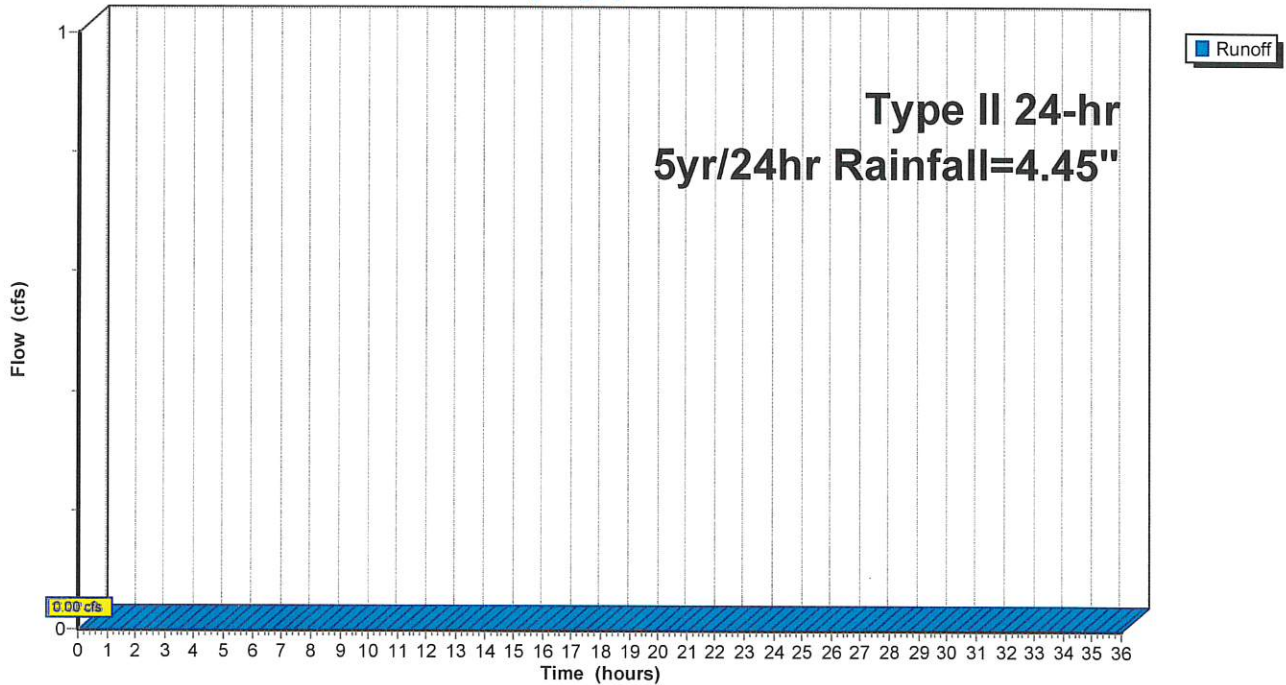
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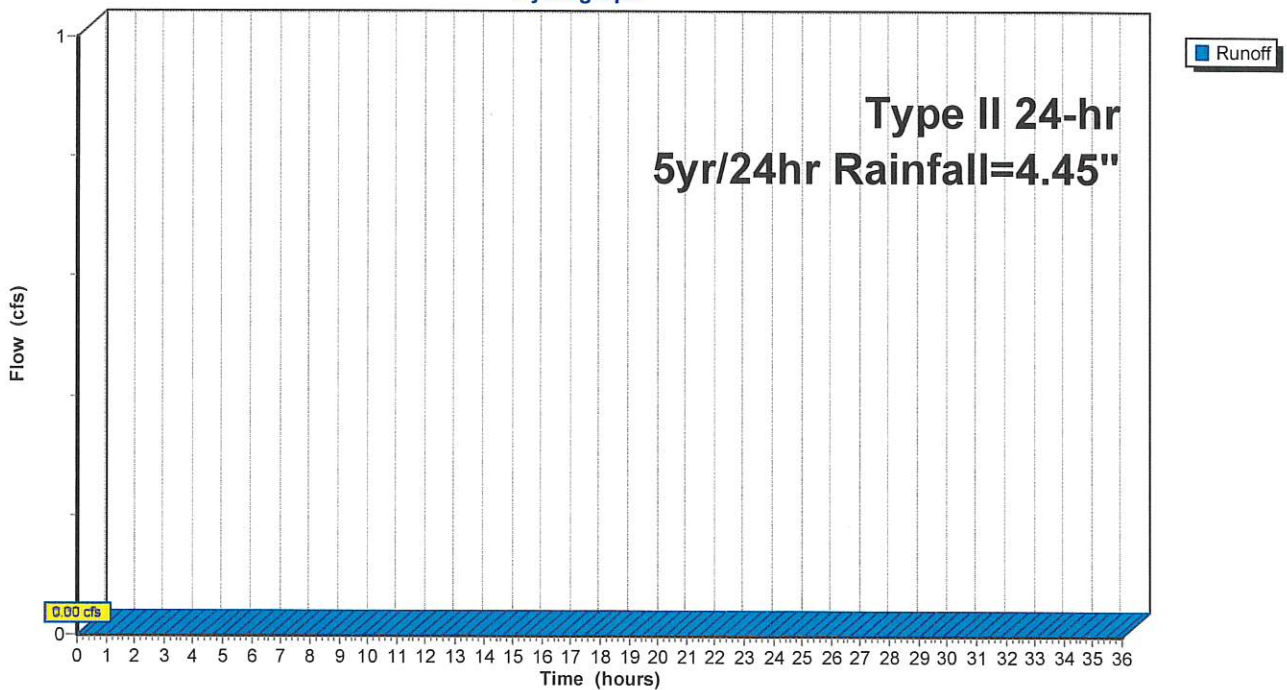
Subcatchment 5aS: To CB5

Hydrograph



Subcatchment 5bS: To CB5

Hydrograph



Runoff

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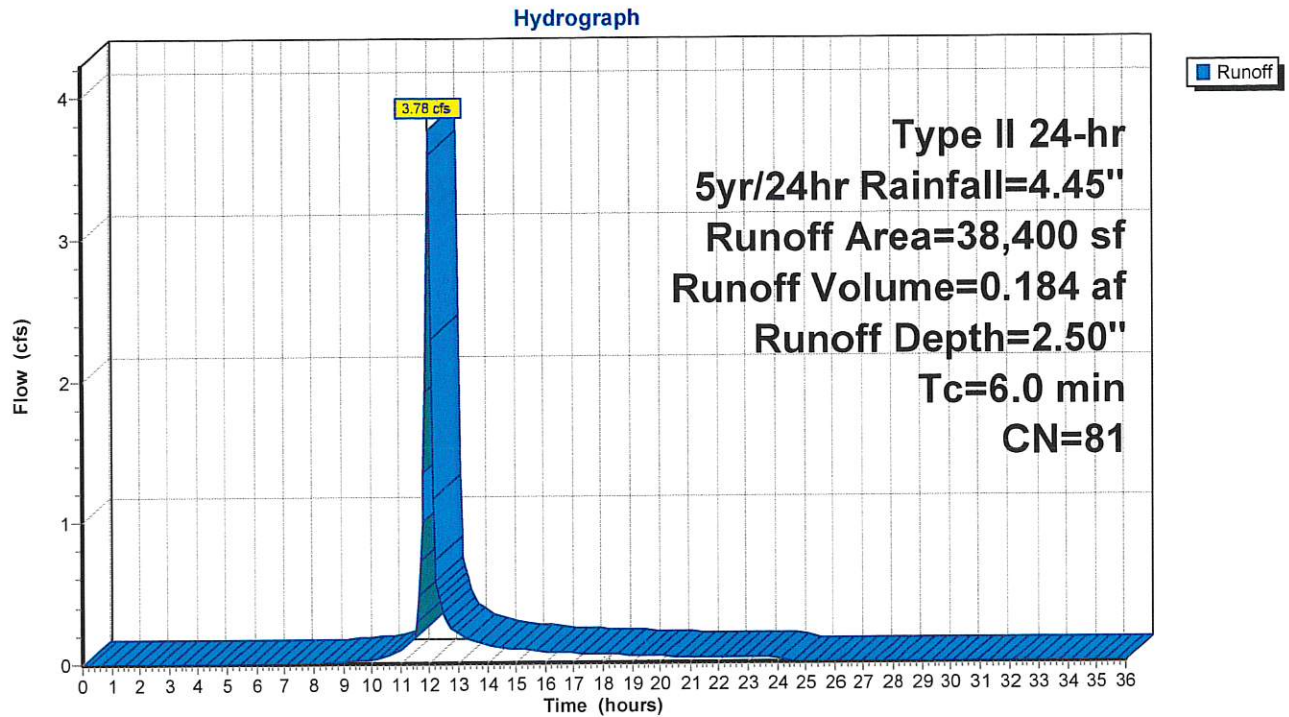
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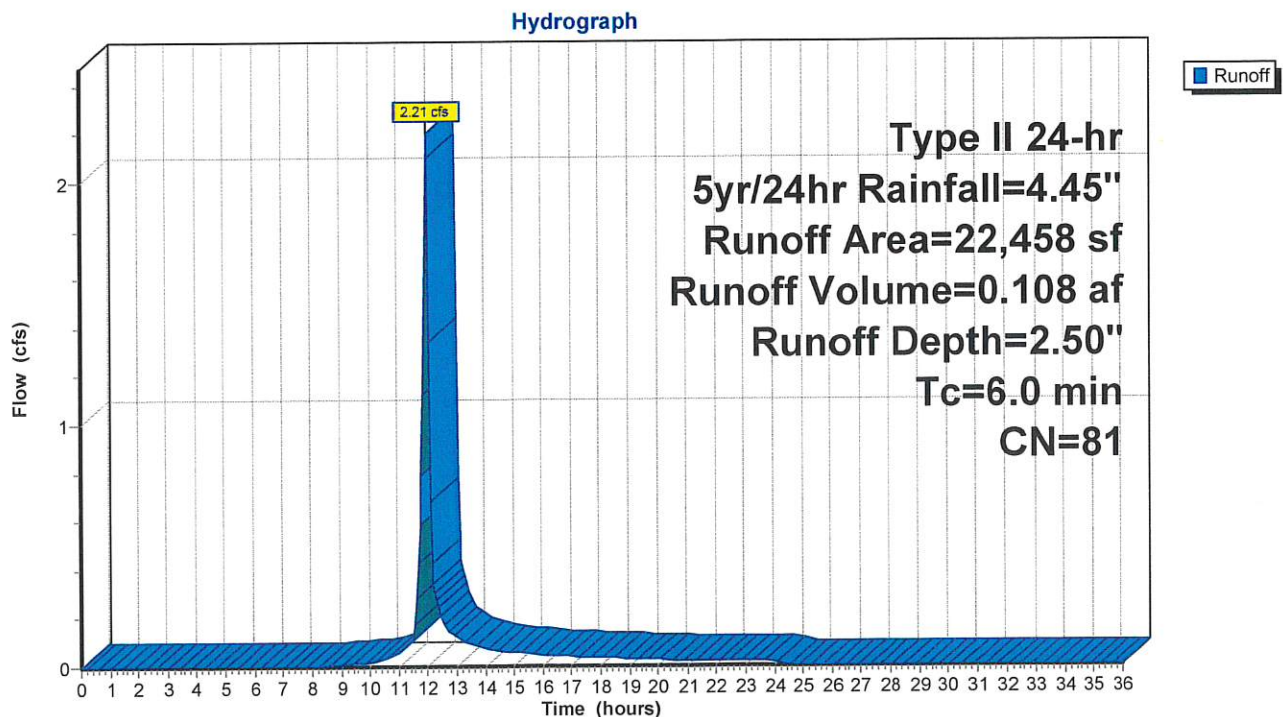
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Subcatchment 5S: To CB5



Subcatchment 6S: To CB6



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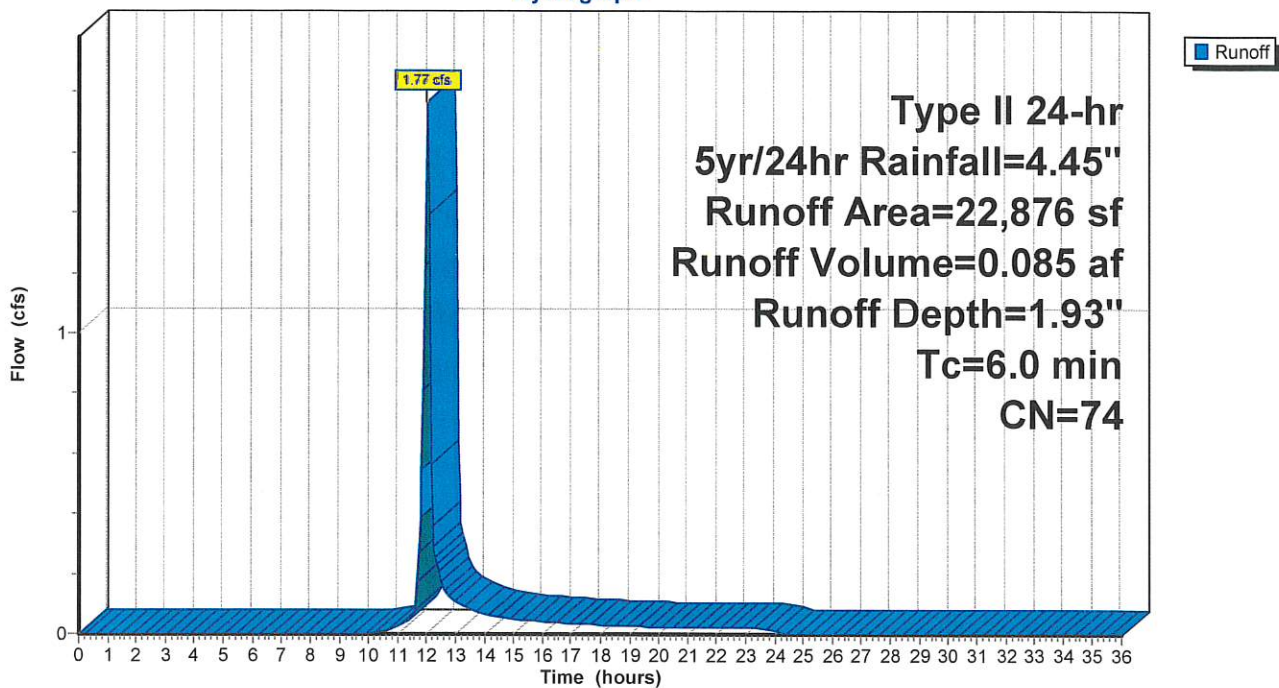
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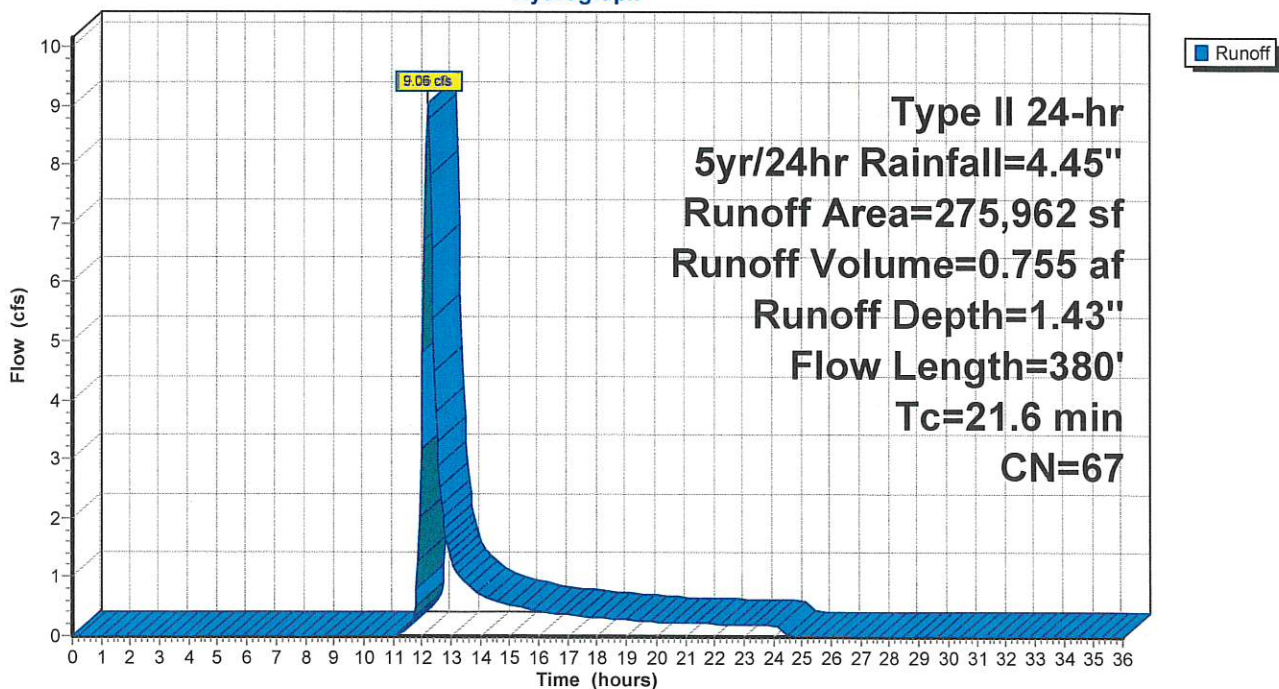
Subcatchment 7S: To Basin

Hydrograph



Subcatchment 8S: Bypassing

Hydrograph



Runoff

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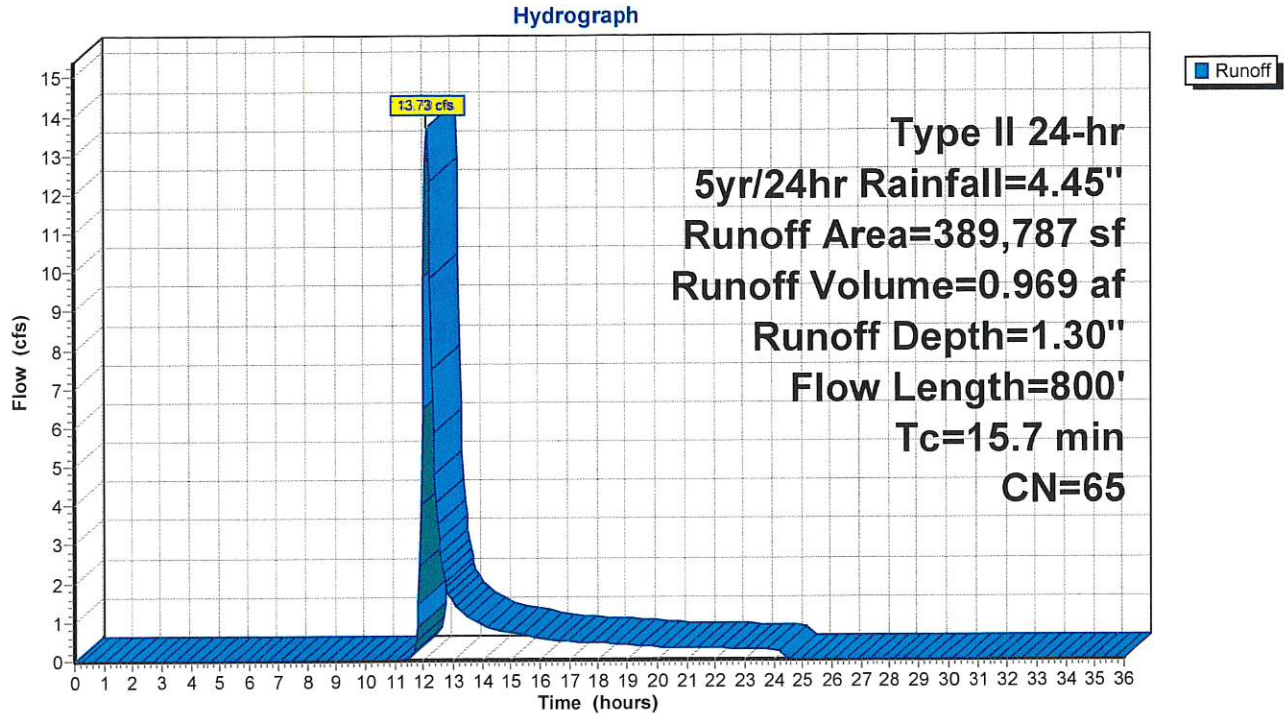
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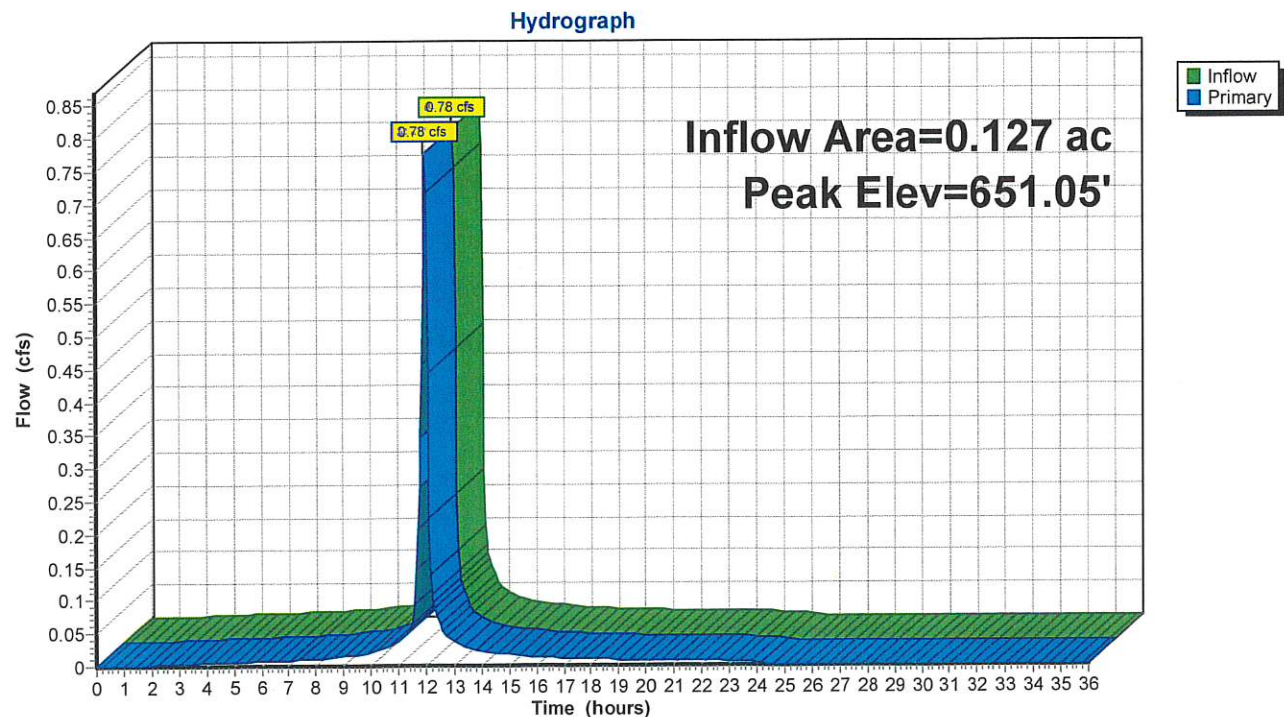
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Subcatchment OS: To Outfall



Pond 9P: CB1



Runoff

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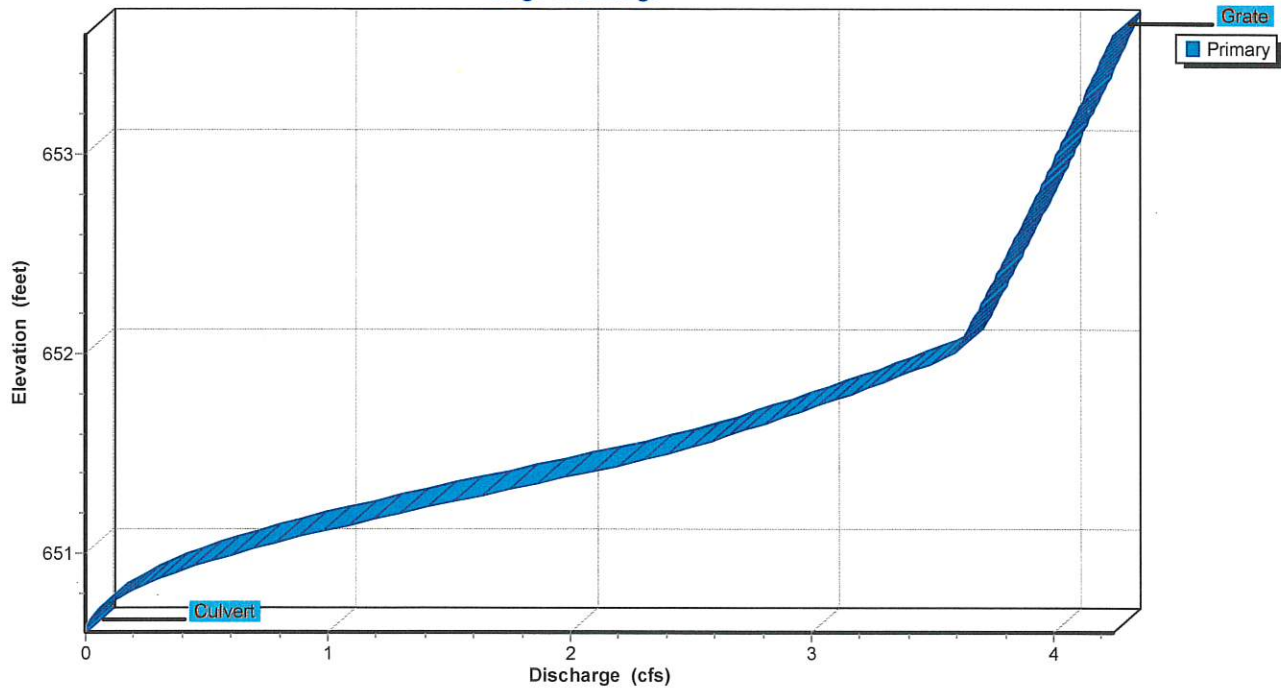
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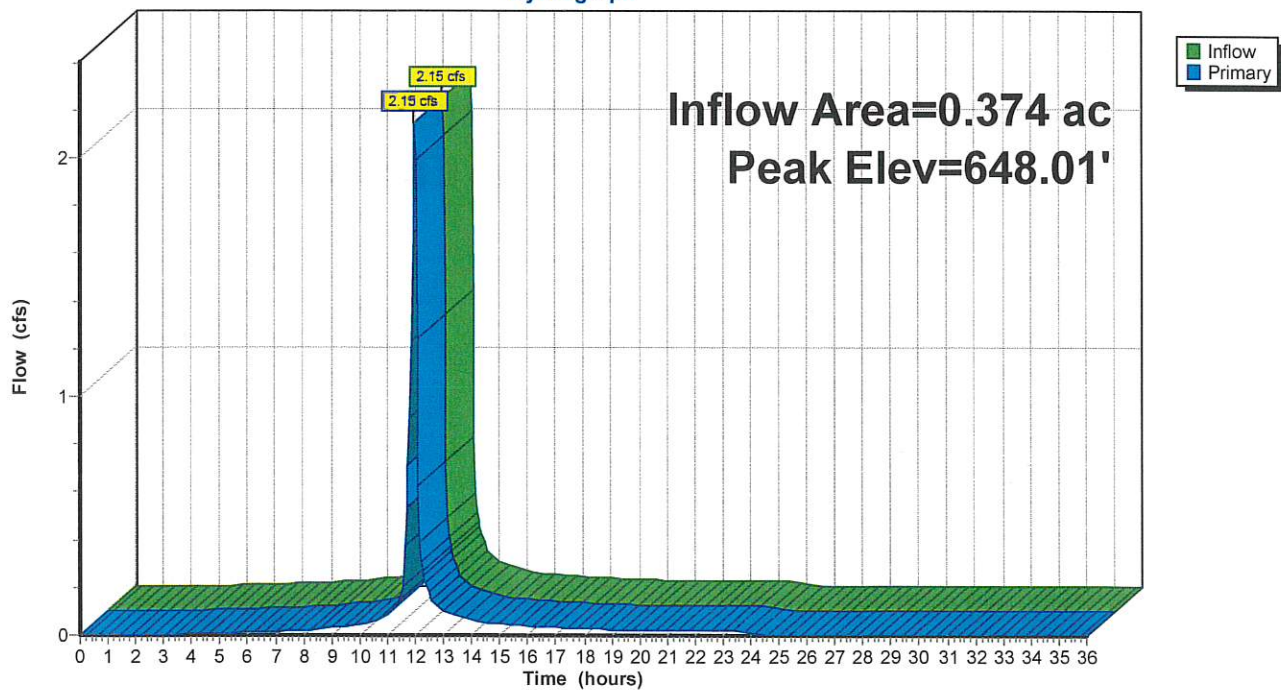
Pond 9P: CB1

Stage-Discharge



Pond 10P: CB2

Hydrograph



Runoff

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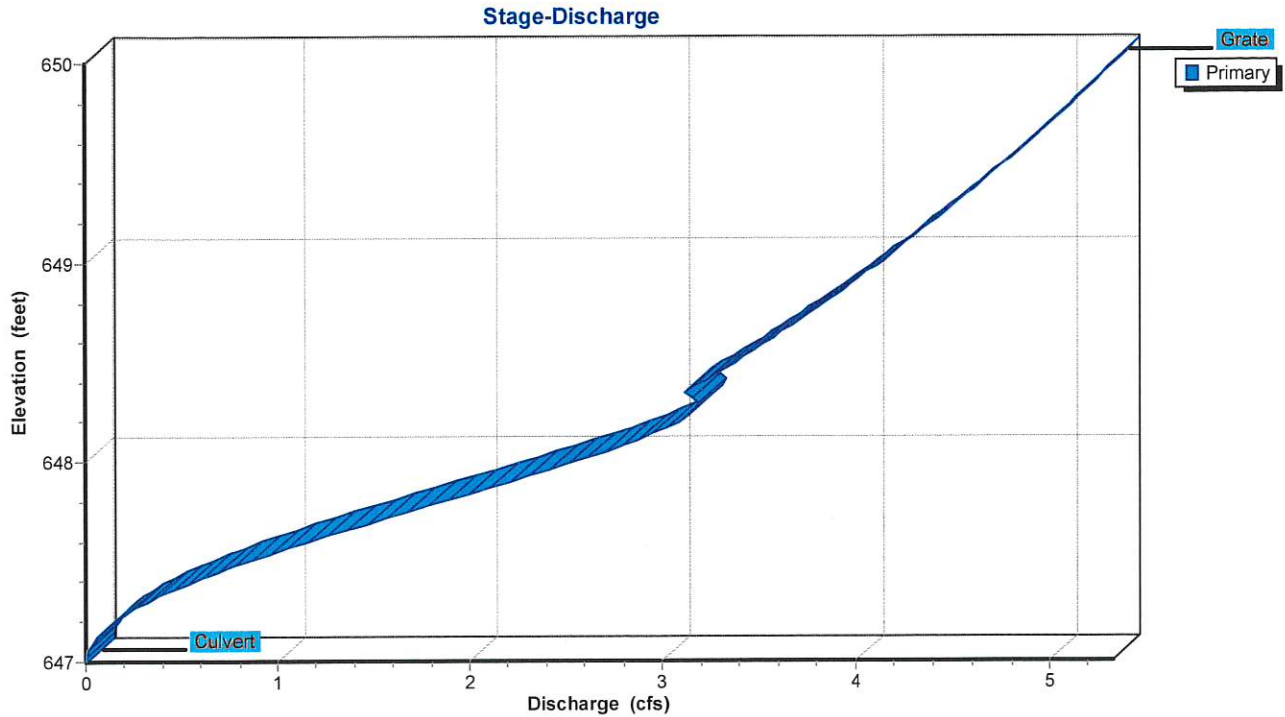
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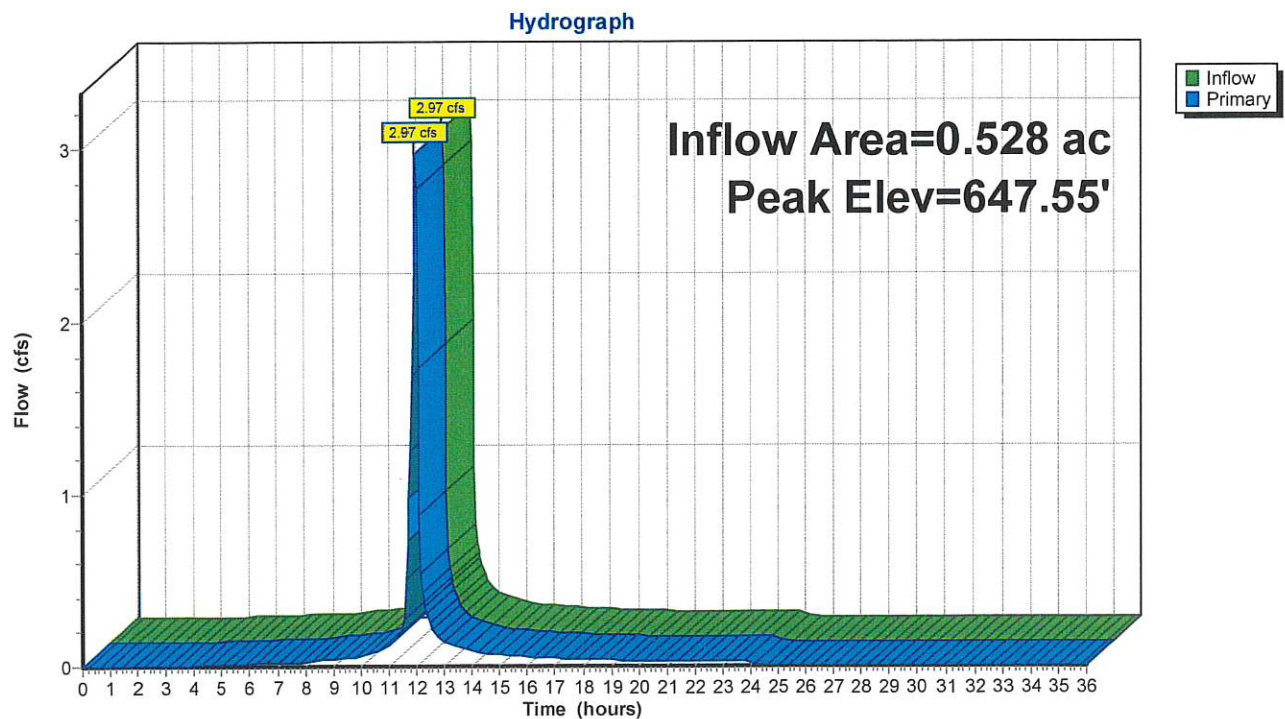
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Pond 10P: CB2



Pond 11P: CB3



Runoff

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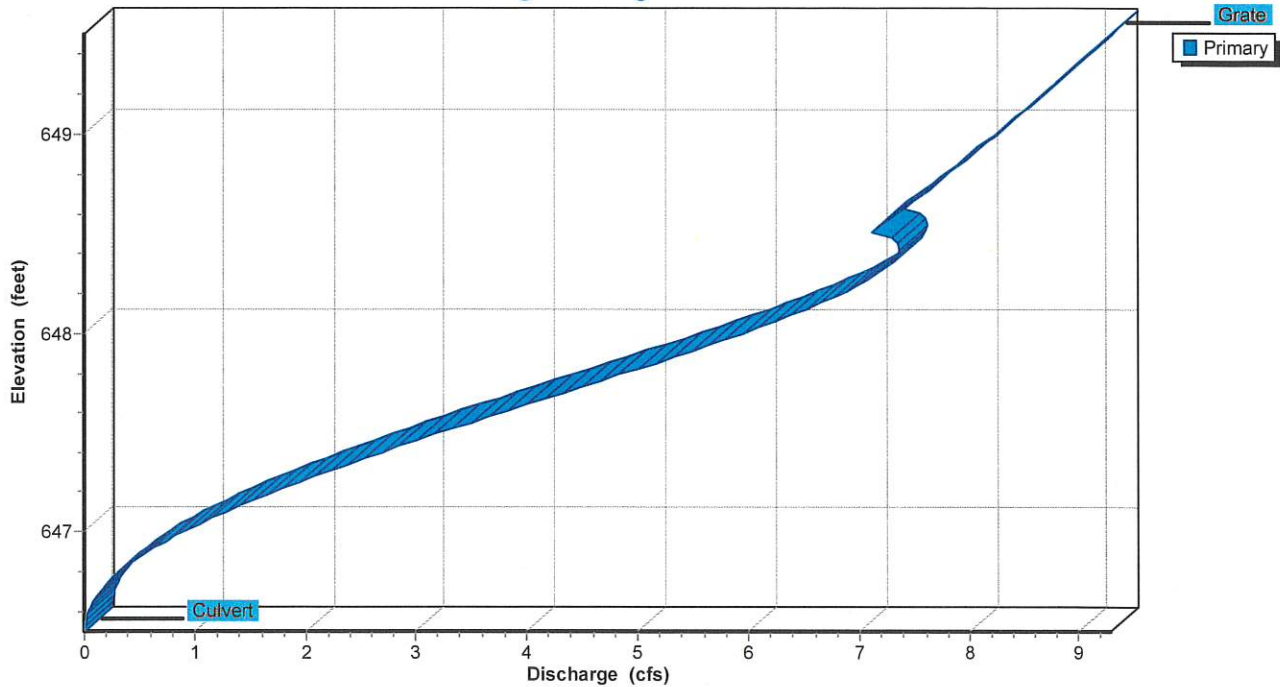
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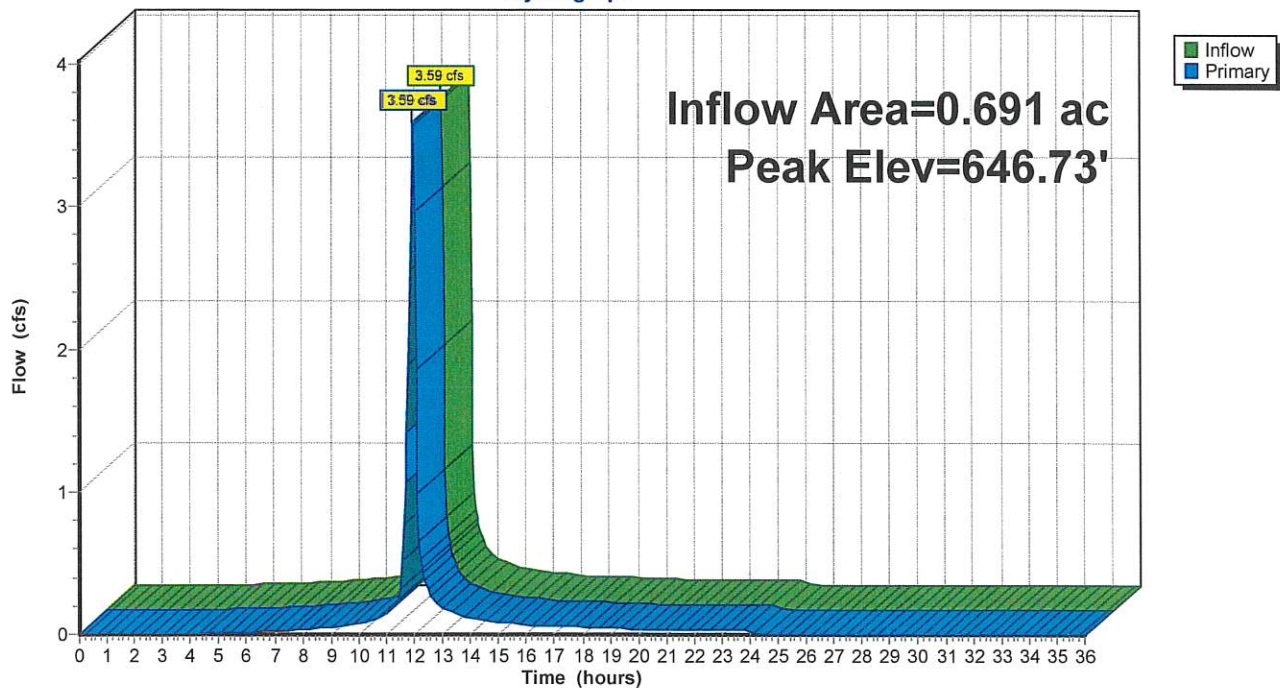
Pond 11P: CB3

Stage-Discharge



Pond 12P: CB4

Hydrograph



Runoff

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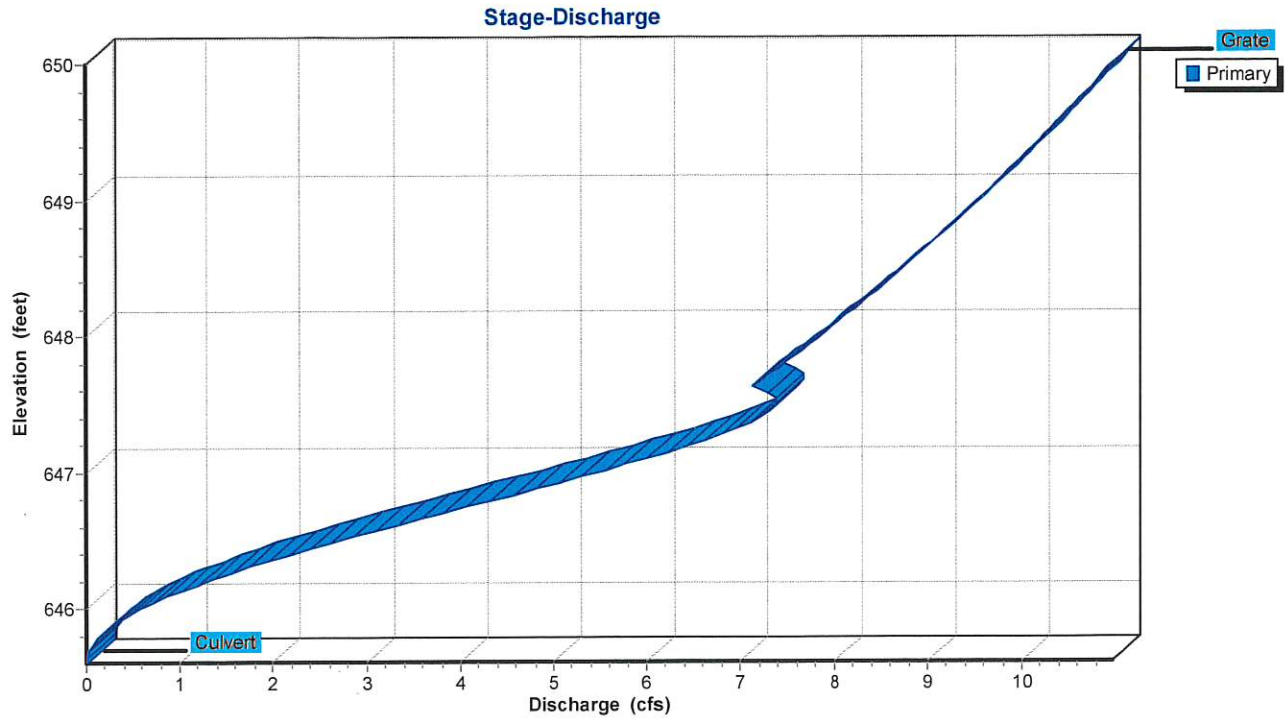
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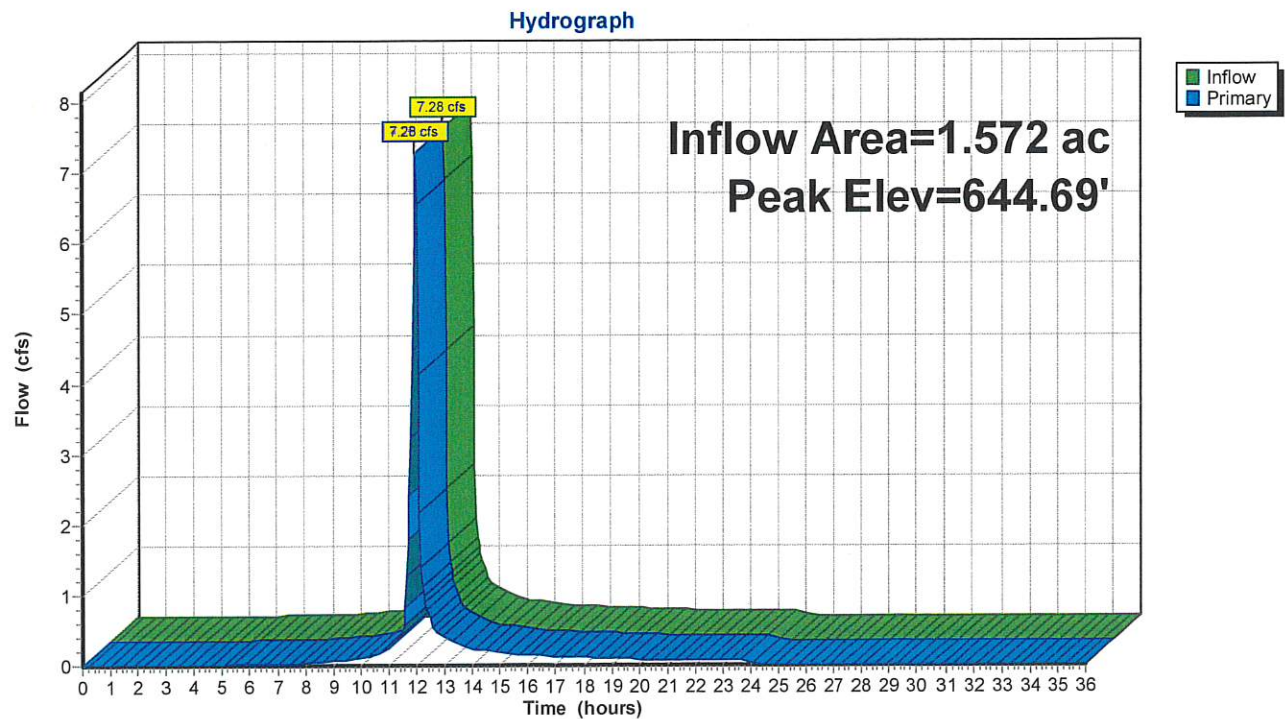
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Pond 12P: CB4



Pond 13aP: CB6



Runoff

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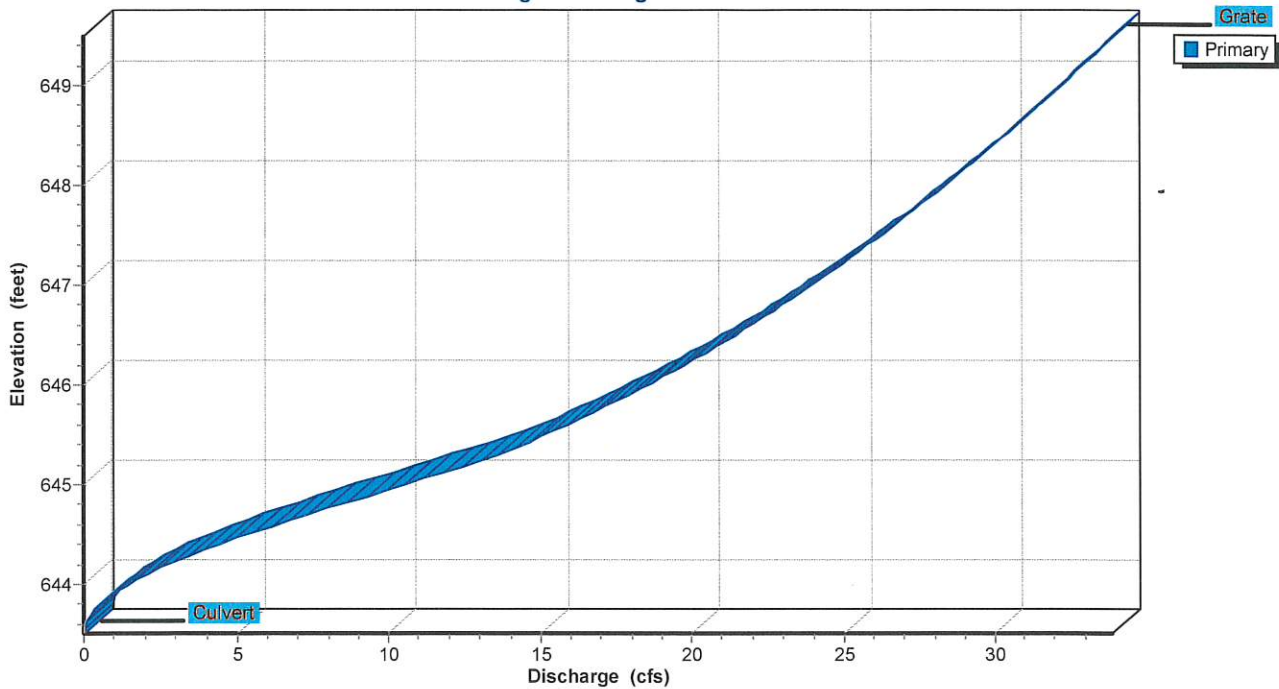
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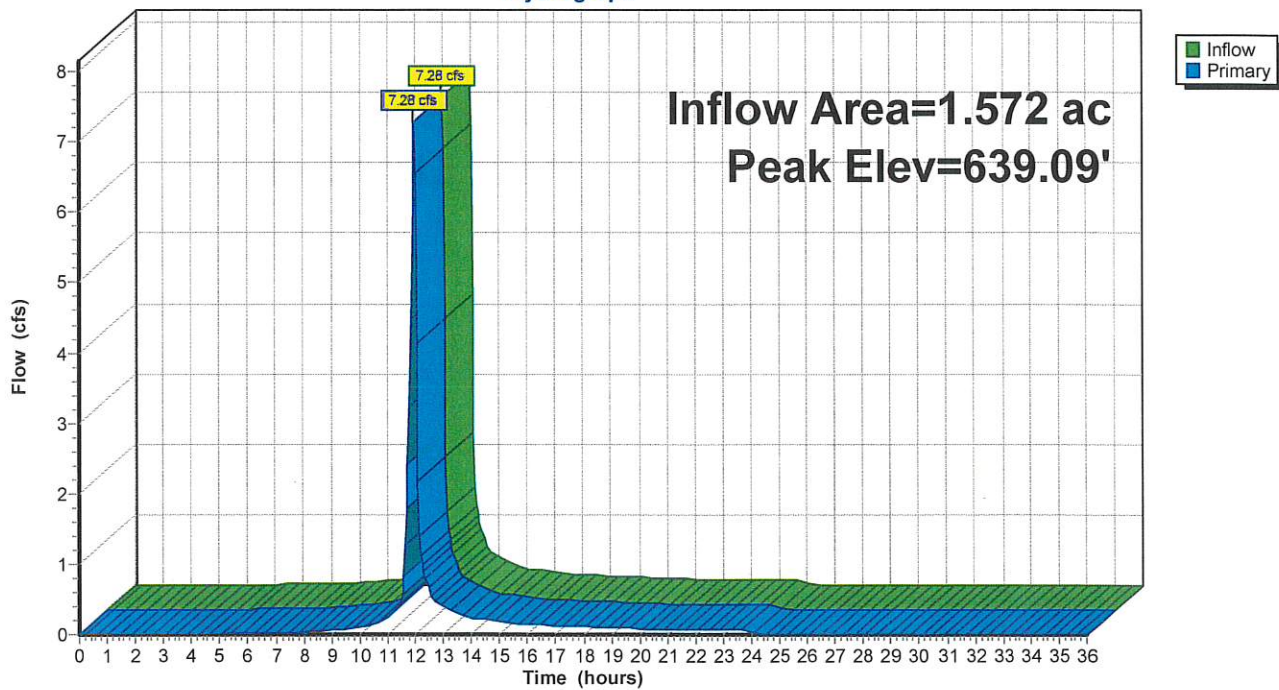
Pond 13aP: CB6

Stage-Discharge



Pond 13bP: CB7

Hydrograph



Runoff

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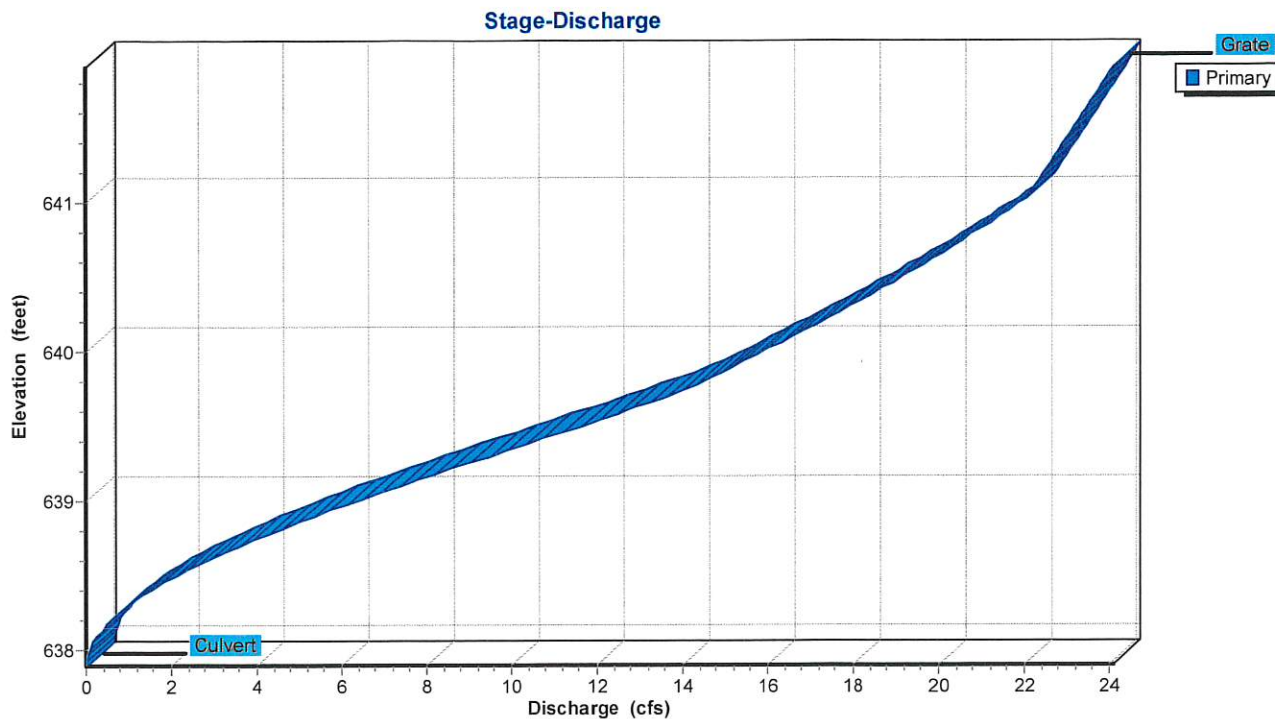
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Brookhollow Senior Apartments
Type II 24-hr 5yr/24hr Rainfall=4.45"

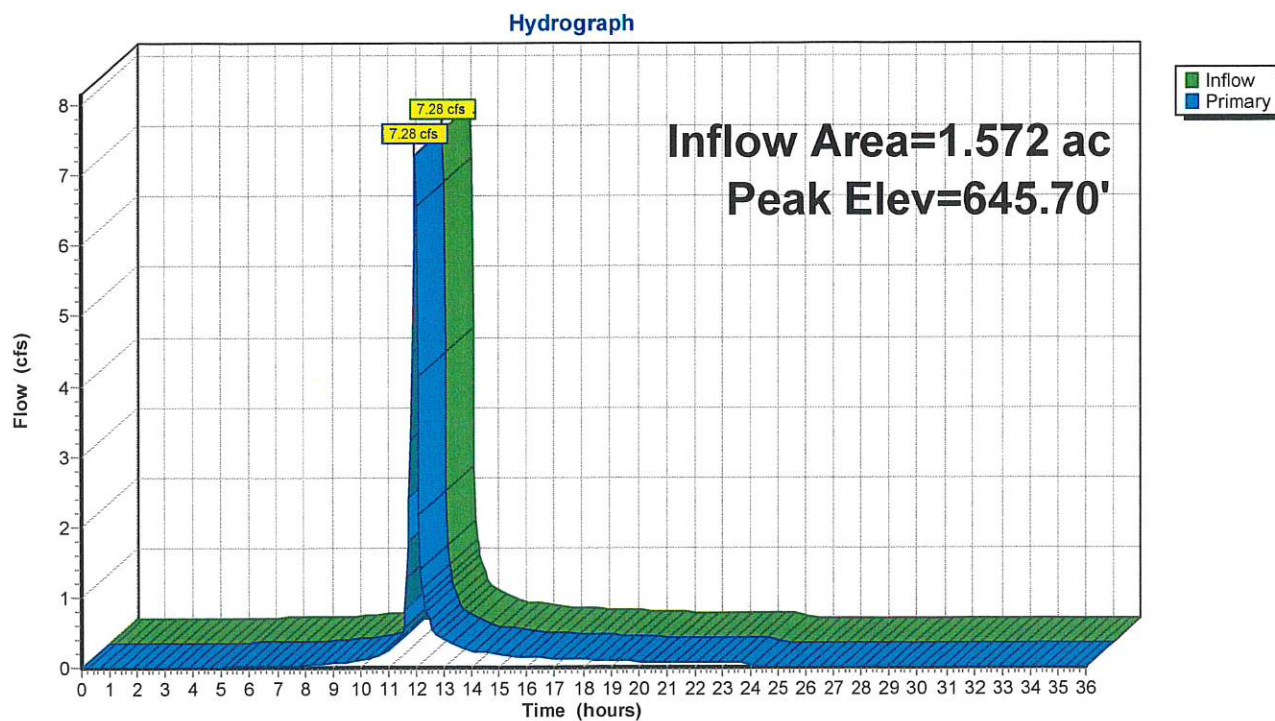
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Page 30

Pond 13bP: CB7



Pond 13P: CB5



Runoff

Prepared by {enter your company name here}

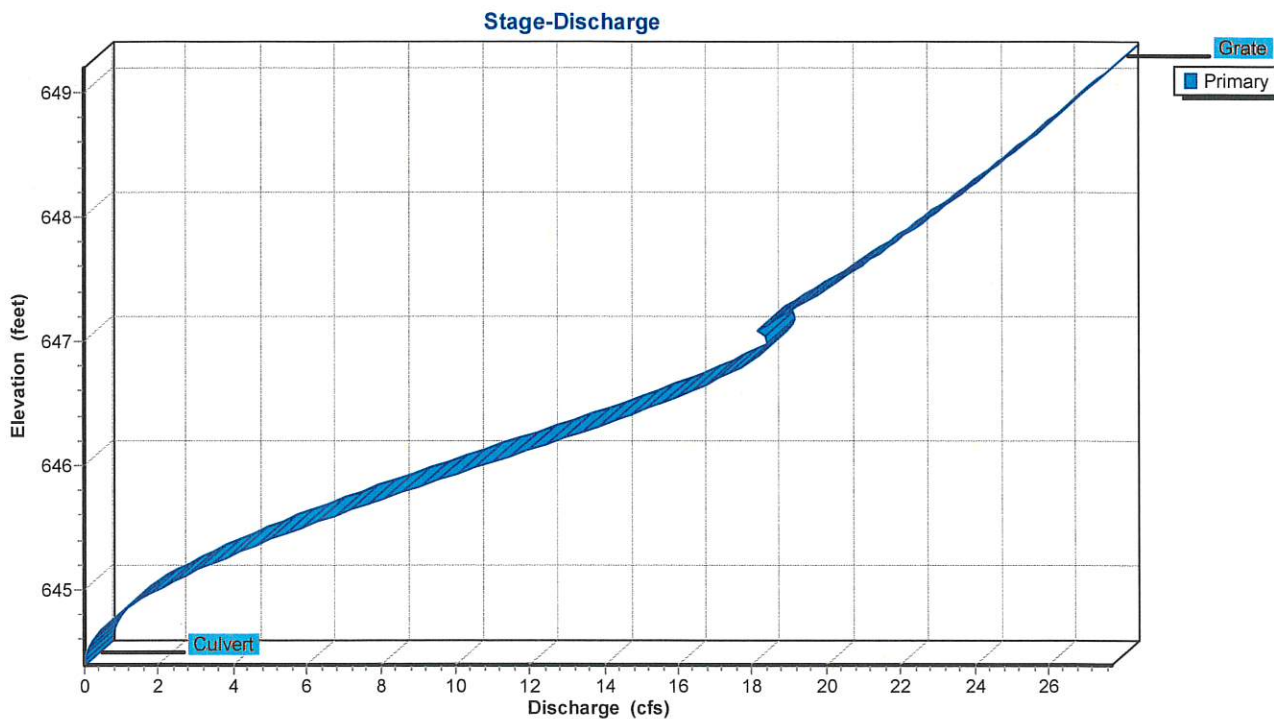
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Brookhollow Senior Apartments
Type II 24-hr 5yr/24hr Rainfall=4.45"

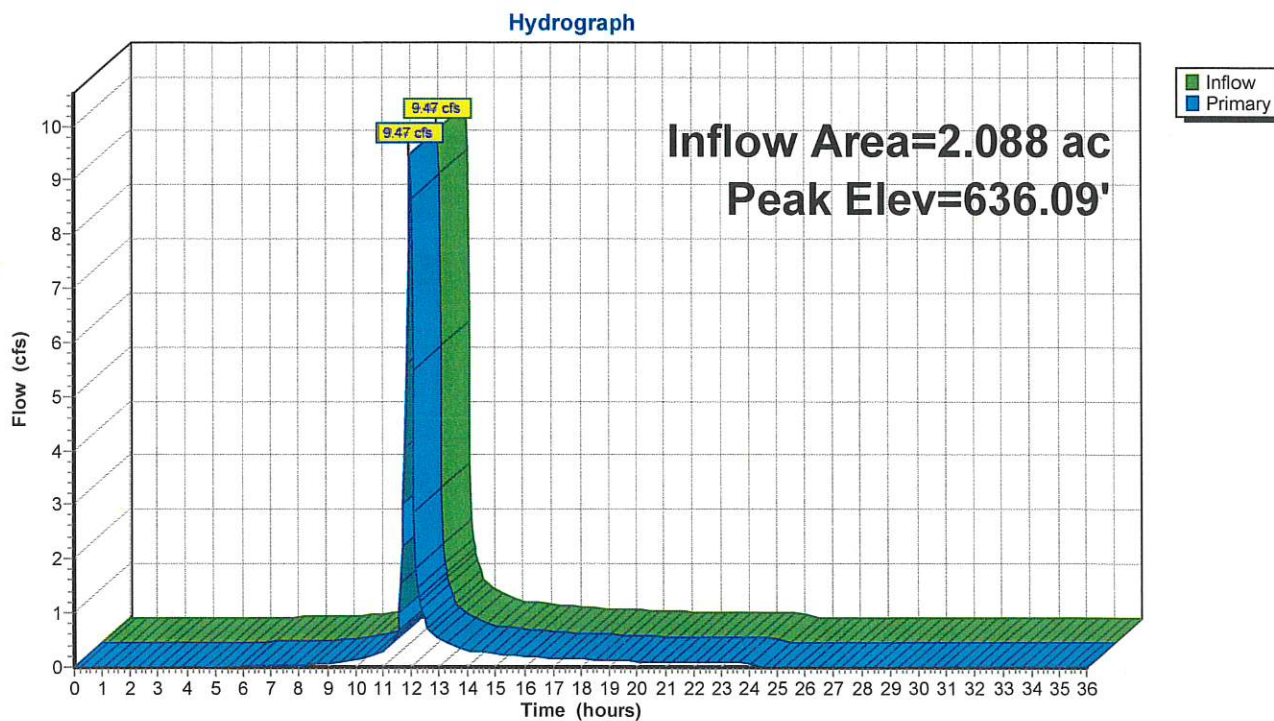
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Pond 13P: CB5



Pond 14P: CB8



Runoff

Prepared by {enter your company name here}

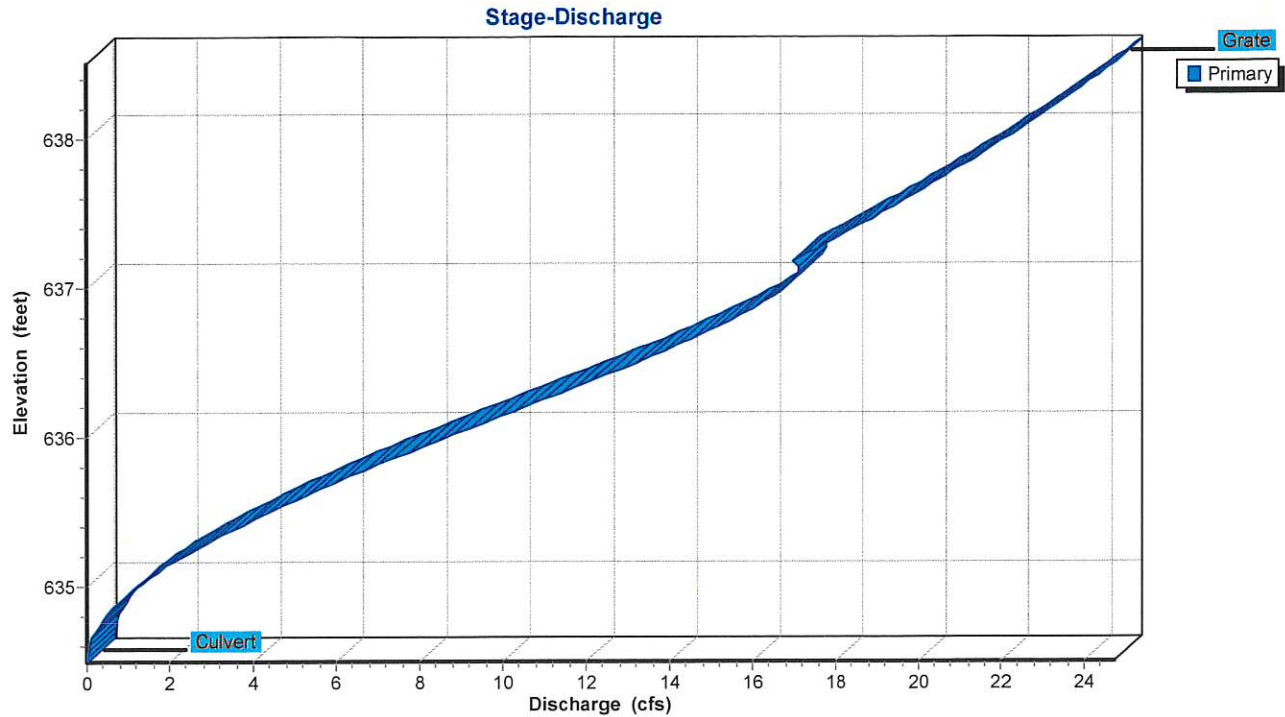
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Brookhollow Senior Apartments
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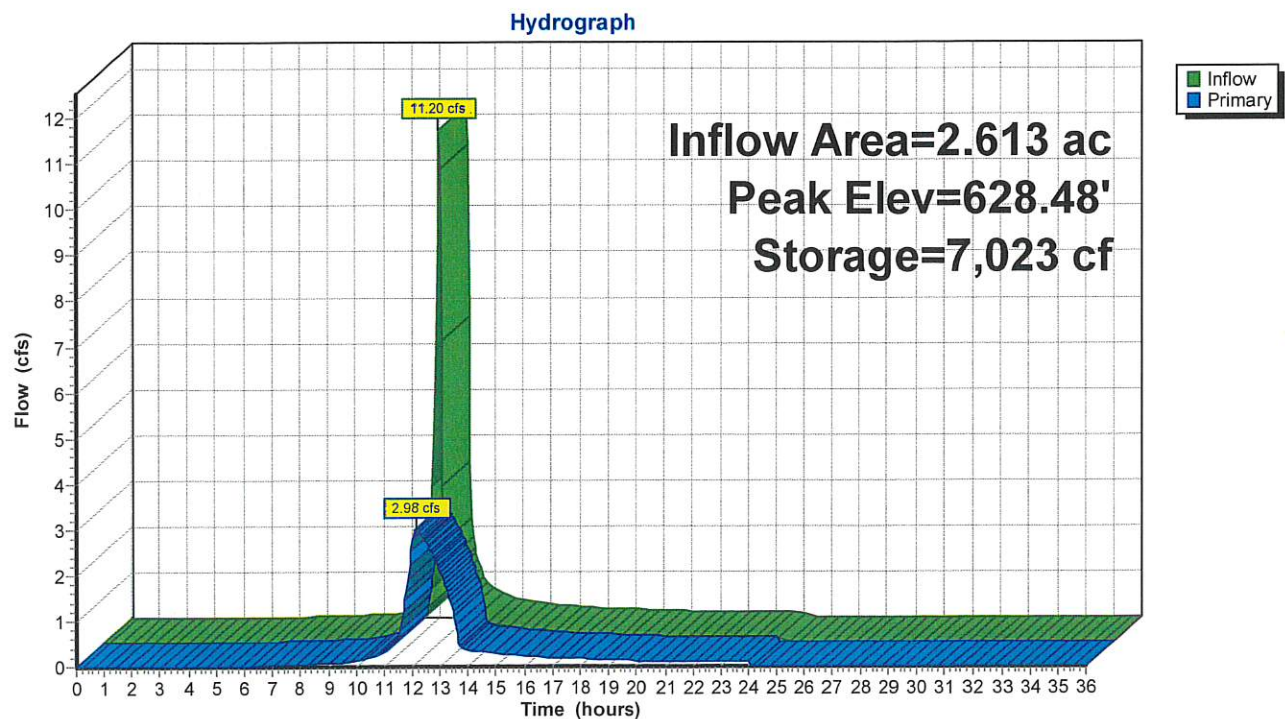
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Pond 14P: CB8



Pond 15P: Detention Basin



Runoff

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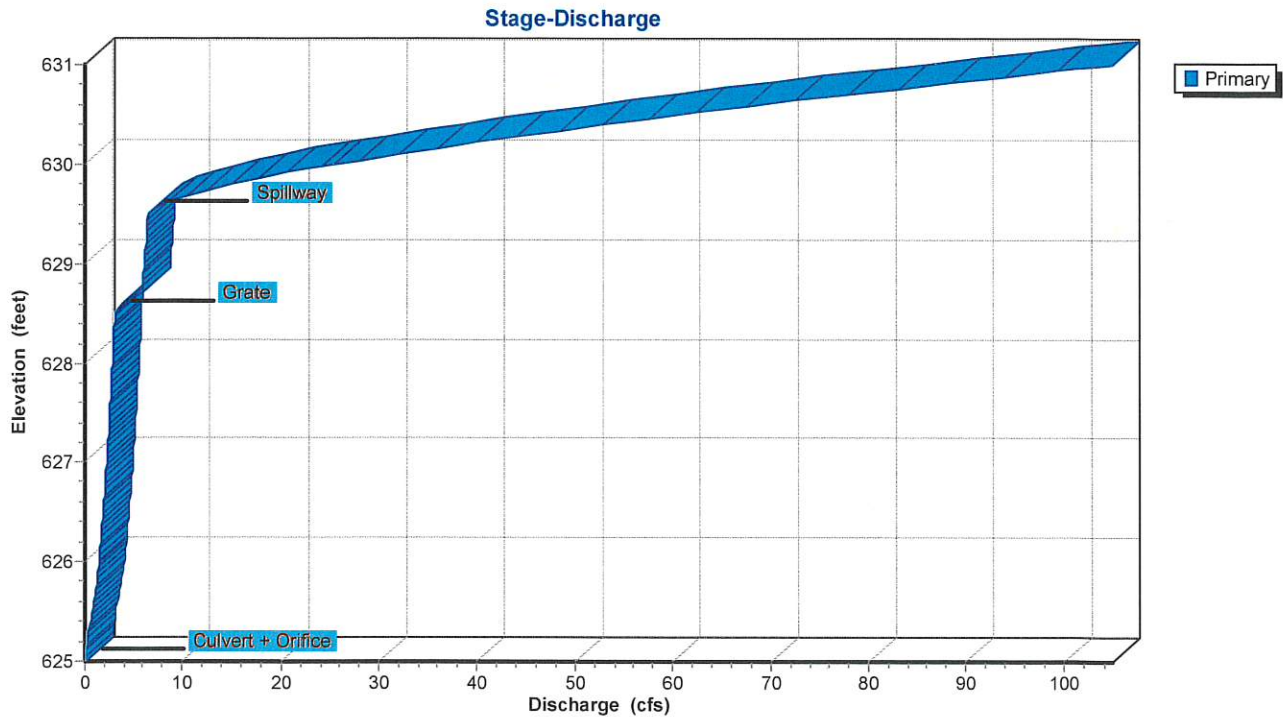
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Brookhollow Senior Apartments
Type II 24-hr 5yr/24hr Rainfall=4.45"

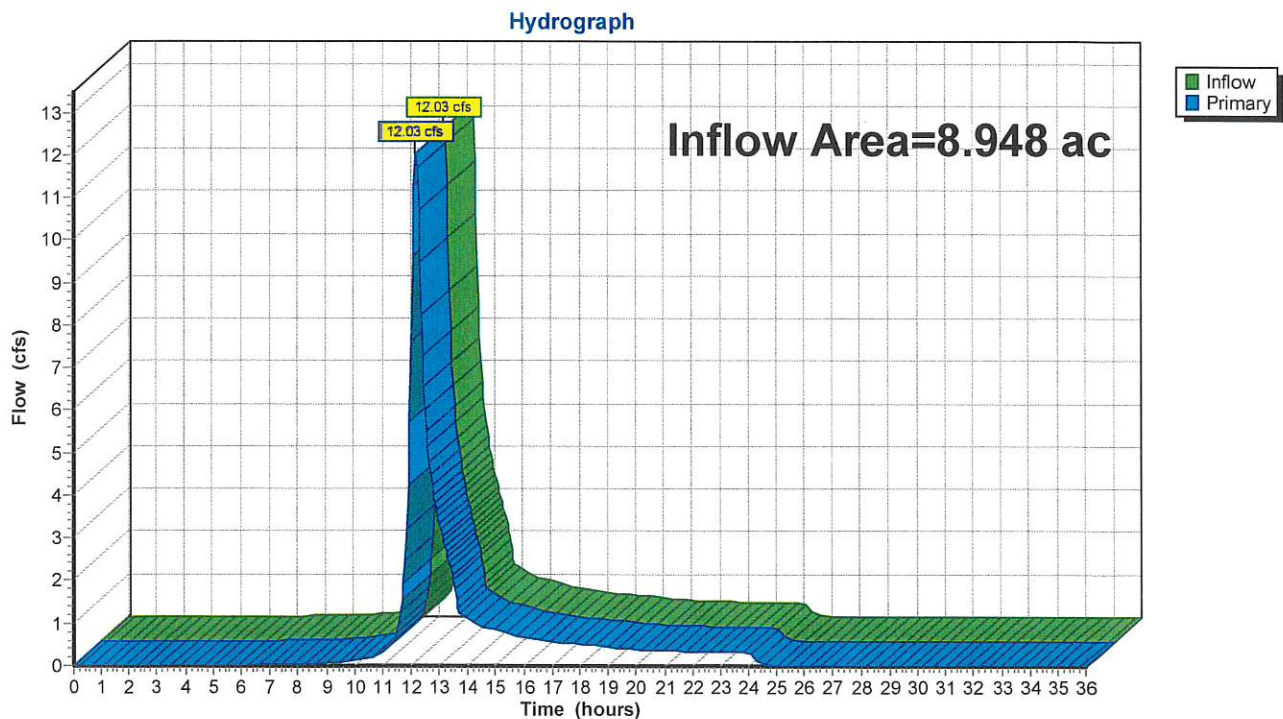
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Page 33

Pond 15P: Detention Basin



Link 16L: Site Outfall



Runoff

Prepared by {enter your company name here}

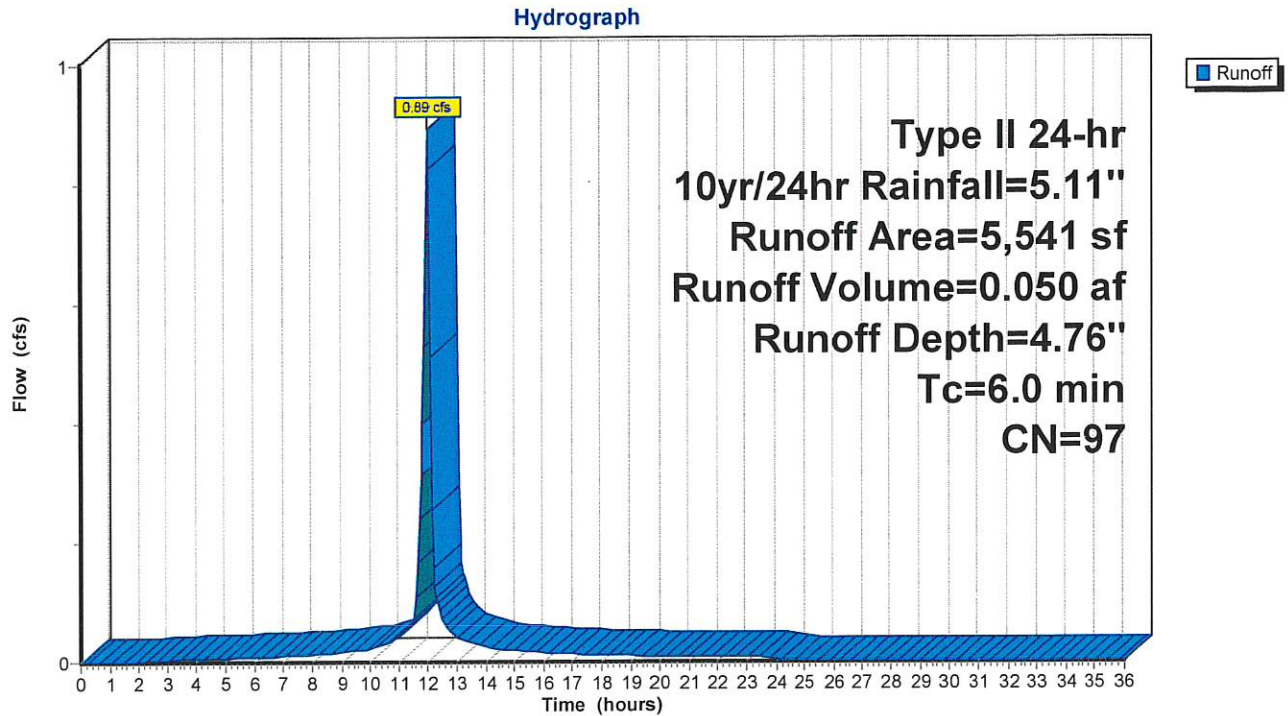
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

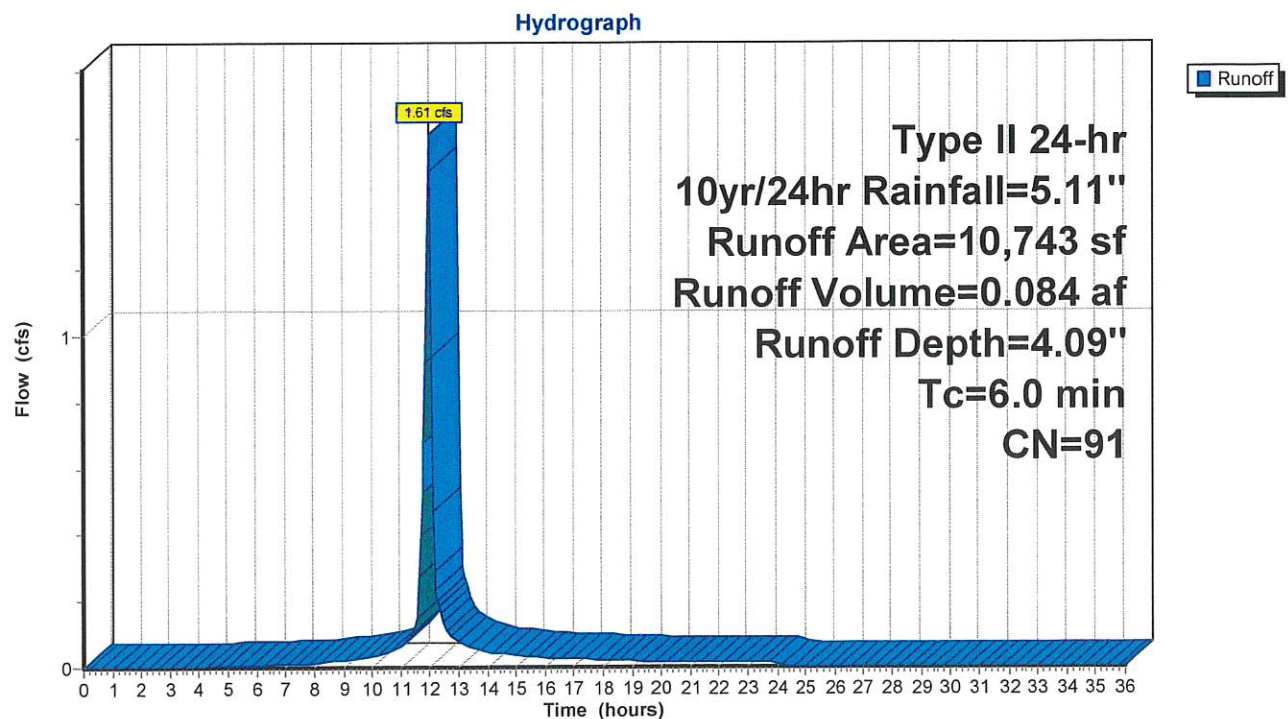
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Subcatchment 1S: To CB1



Subcatchment 2S: To CB2



Runoff

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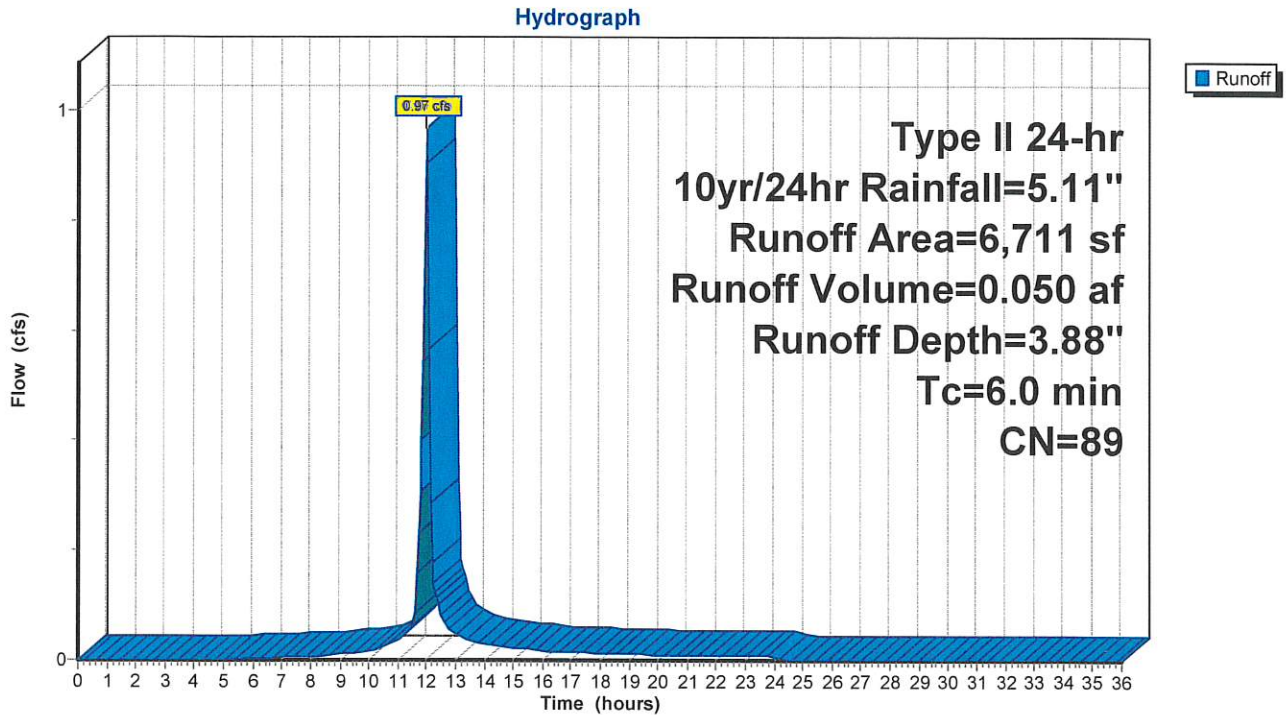
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

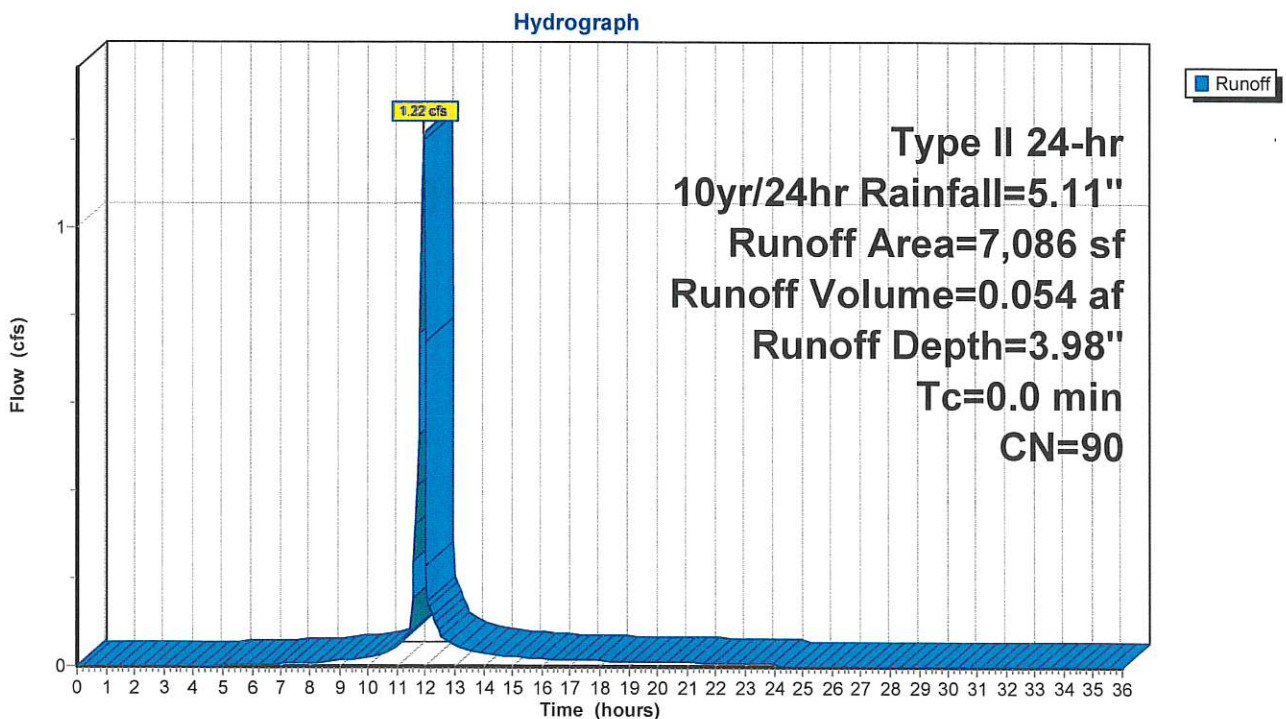
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Page 35

Subcatchment 3S: To CB3



Subcatchment 4S: To CB4



Runoff

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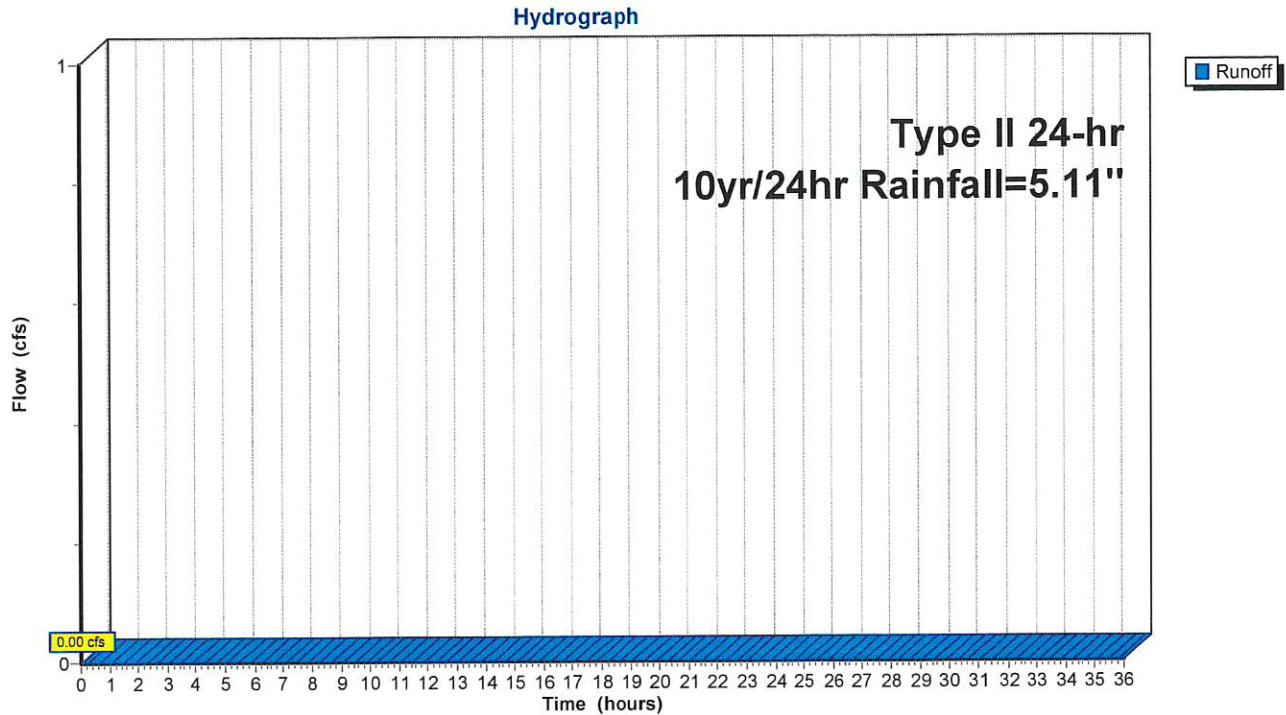
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

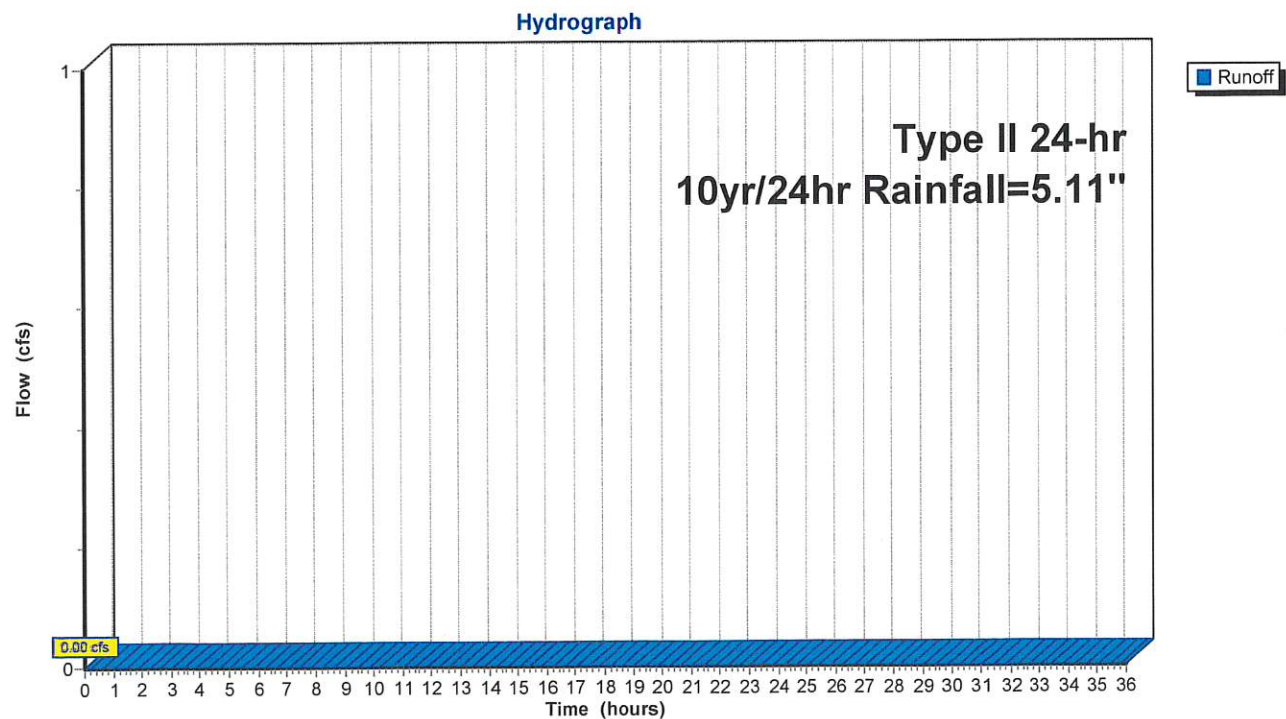
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Subcatchment 5aS: To CB5



Subcatchment 5bS: To CB5



Runoff

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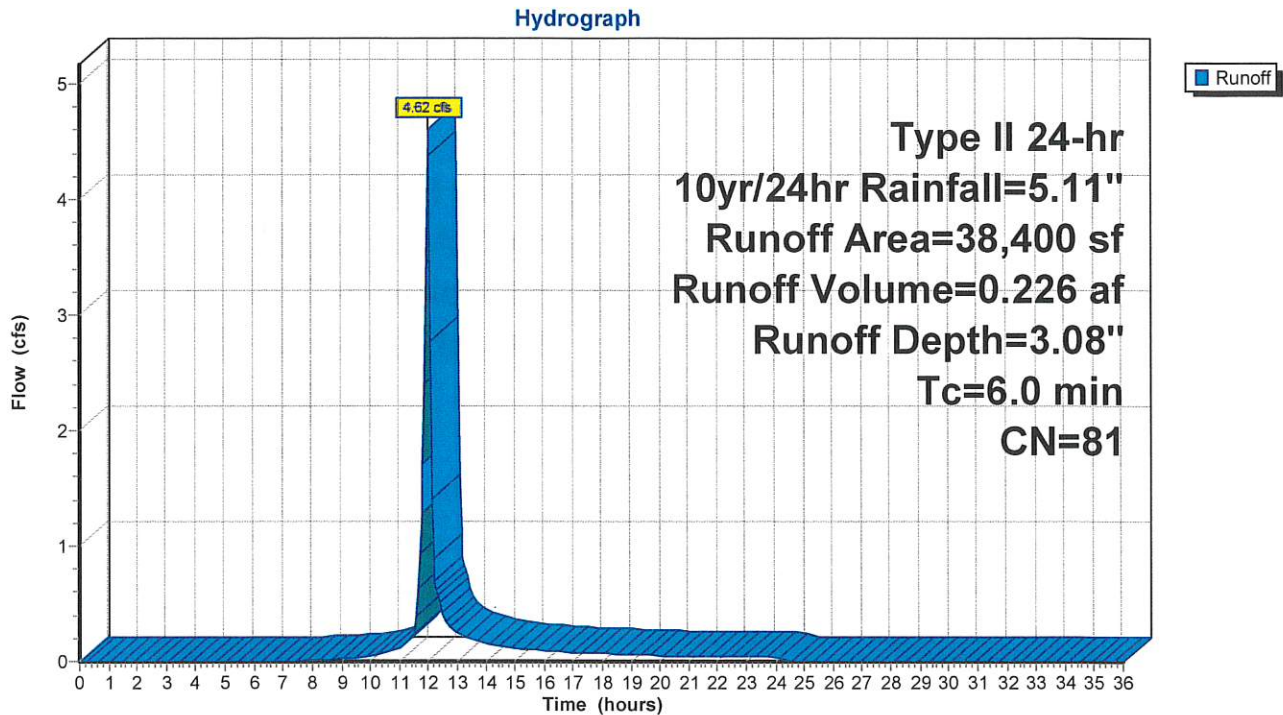
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

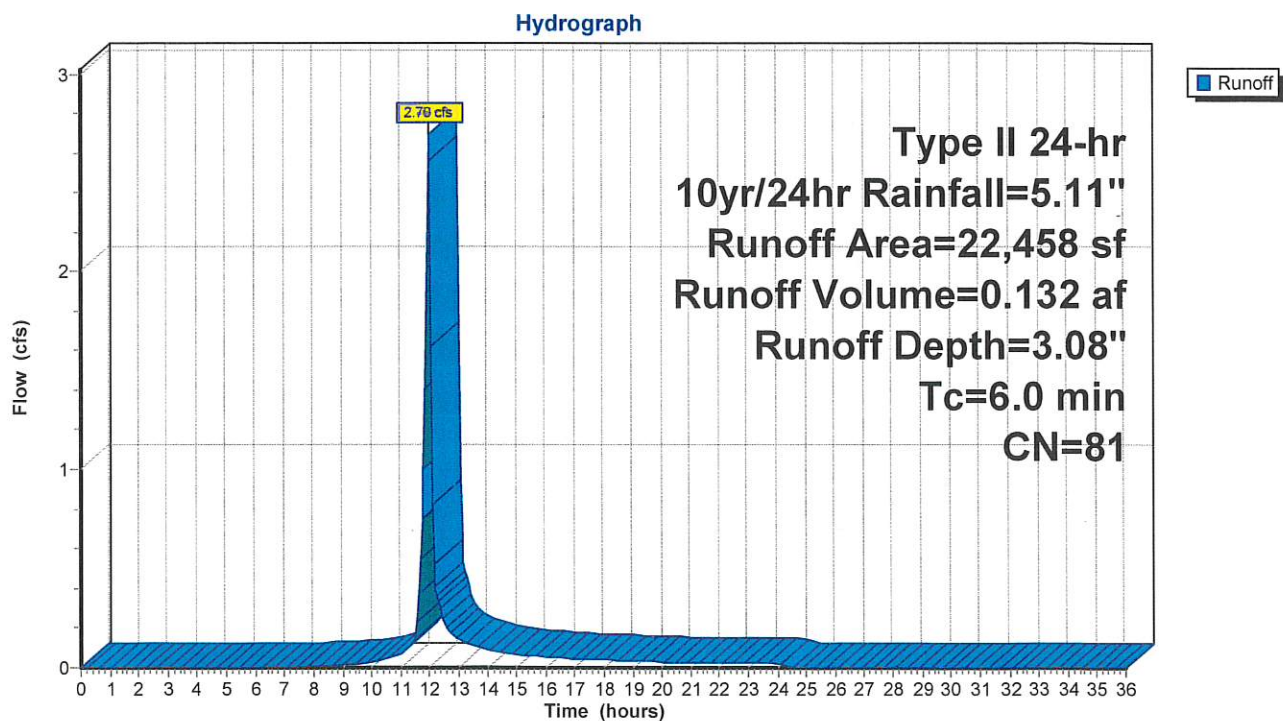
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Subcatchment 5S: To CB5



Subcatchment 6S: To CB6



Runoff

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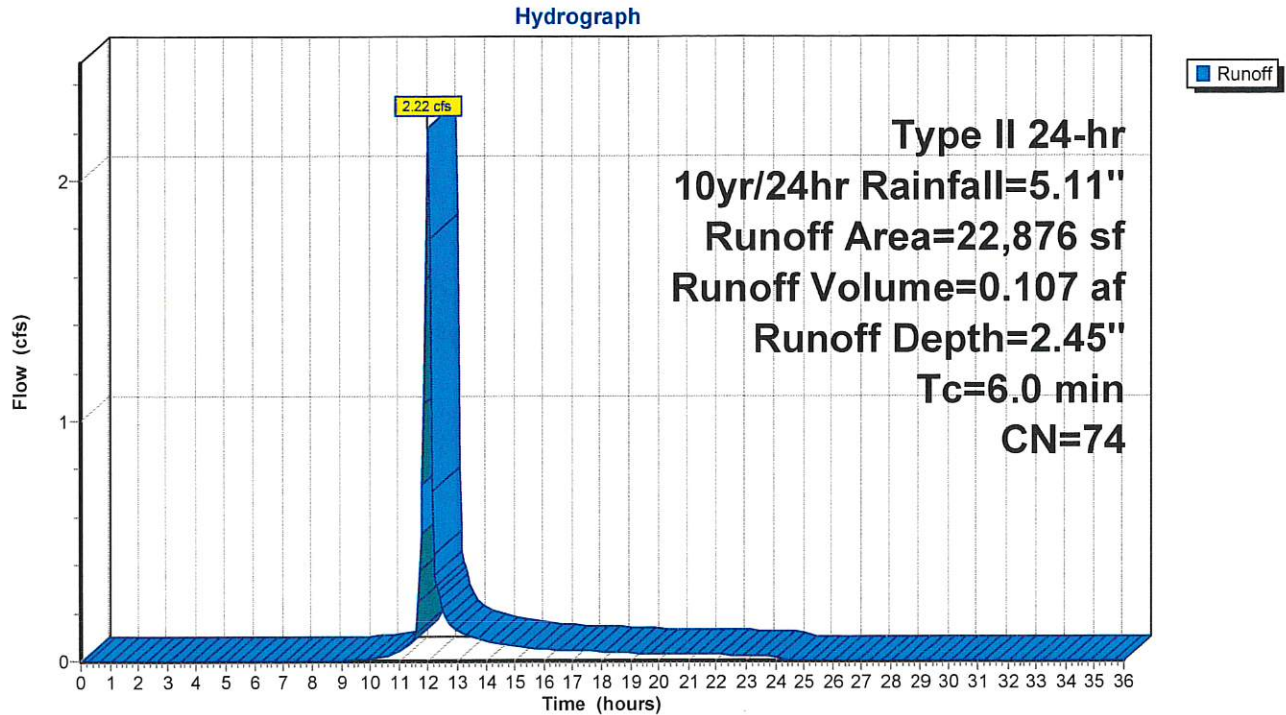
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

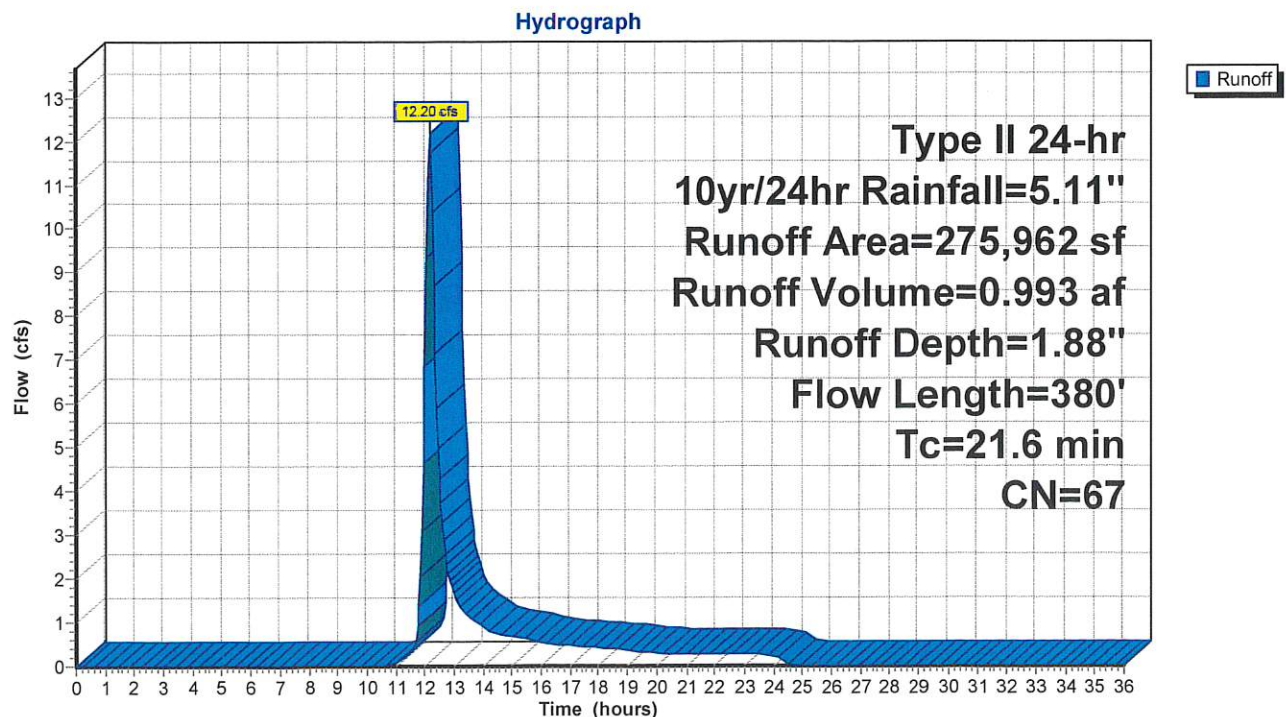
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Subcatchment 7S: To Basin



Subcatchment 8S: Bypassing



Runoff

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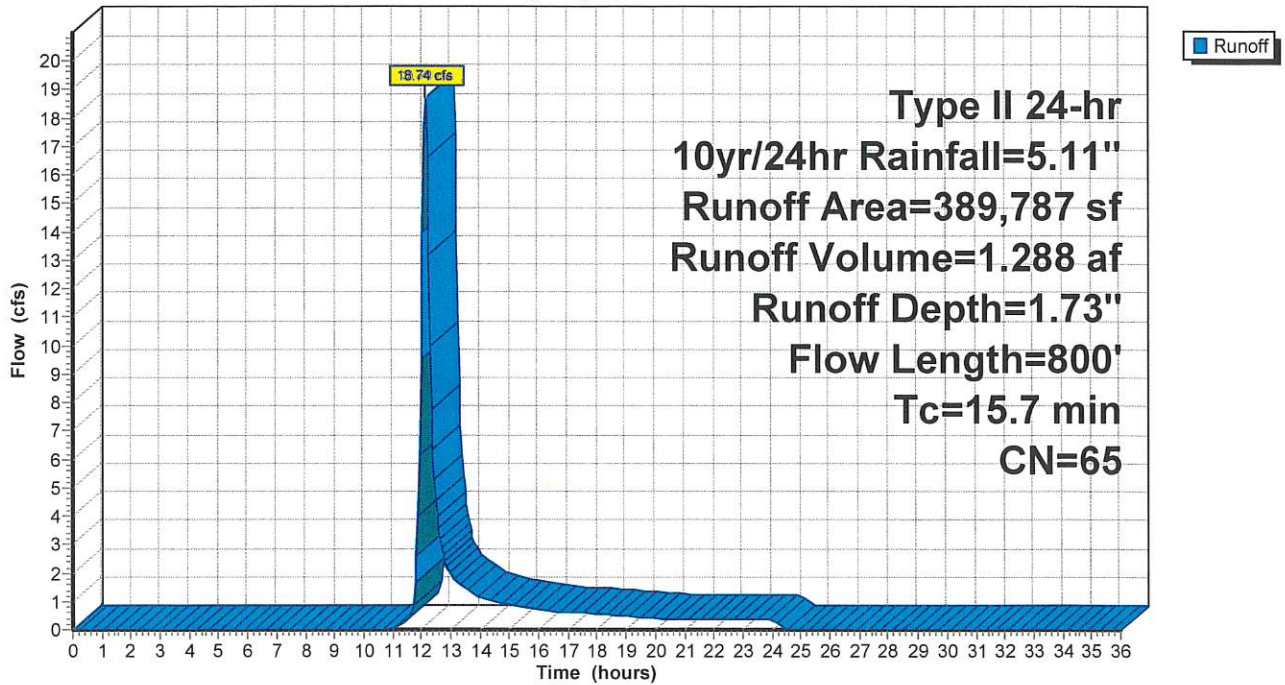
Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

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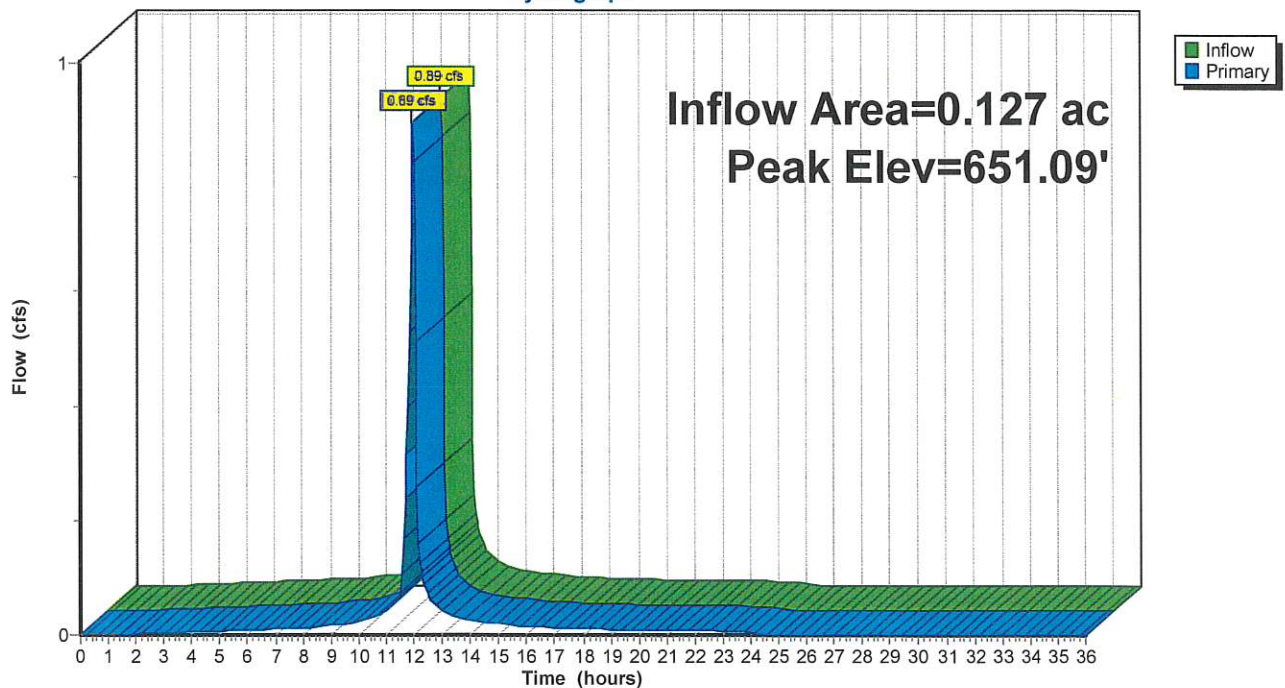
Subcatchment OS: To Outfall

Hydrograph



Pond 9P: CB1

Hydrograph



Runoff

Prepared by {enter your company name here}

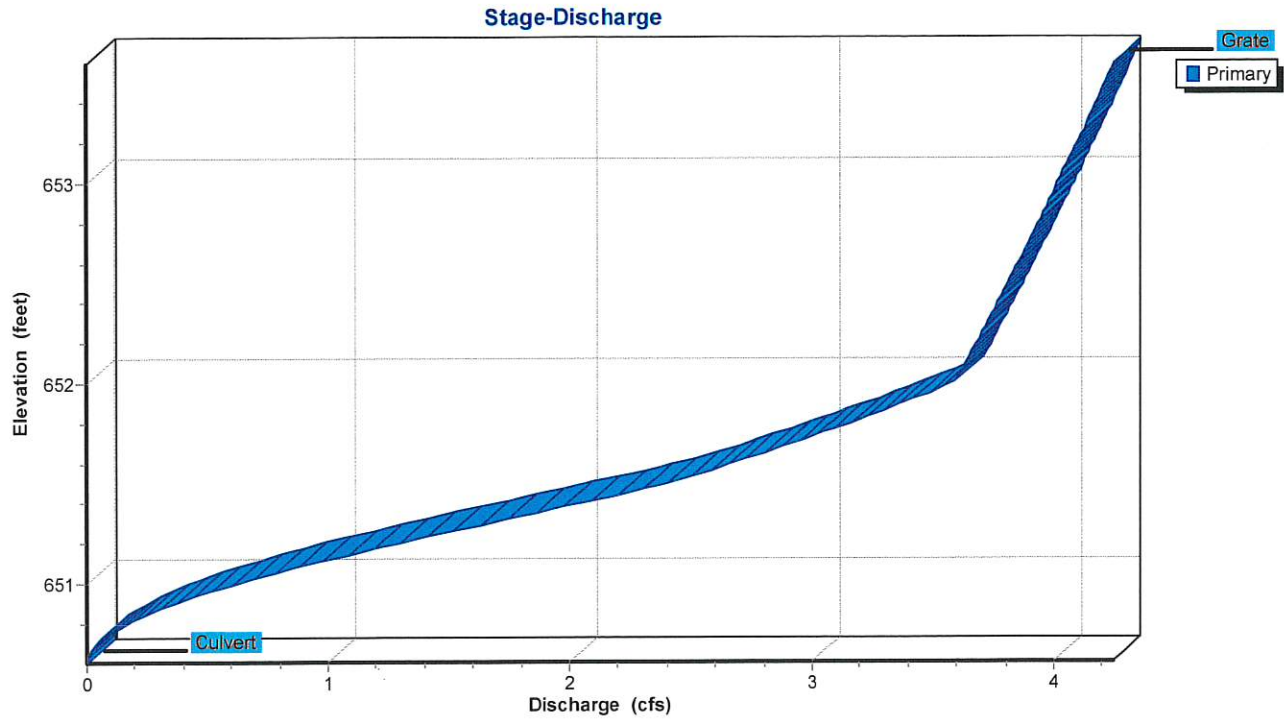
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

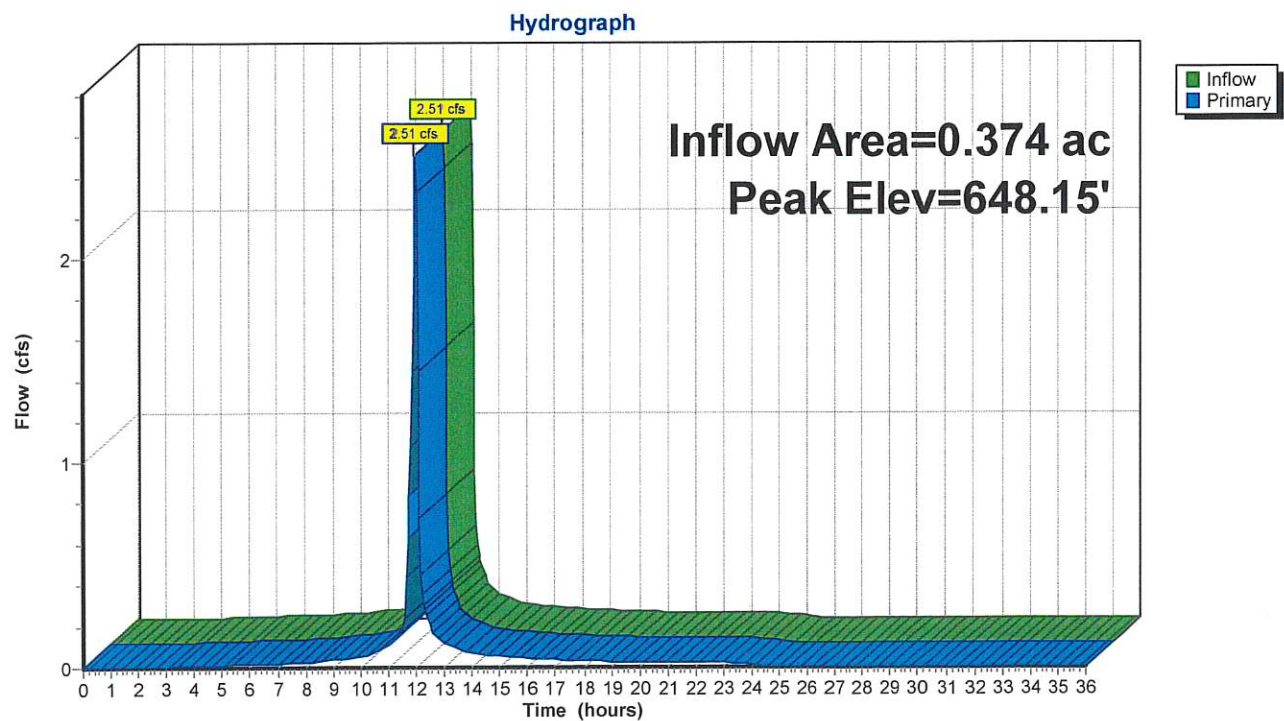
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Pond 9P: CB1



Pond 10P: CB2



Runoff

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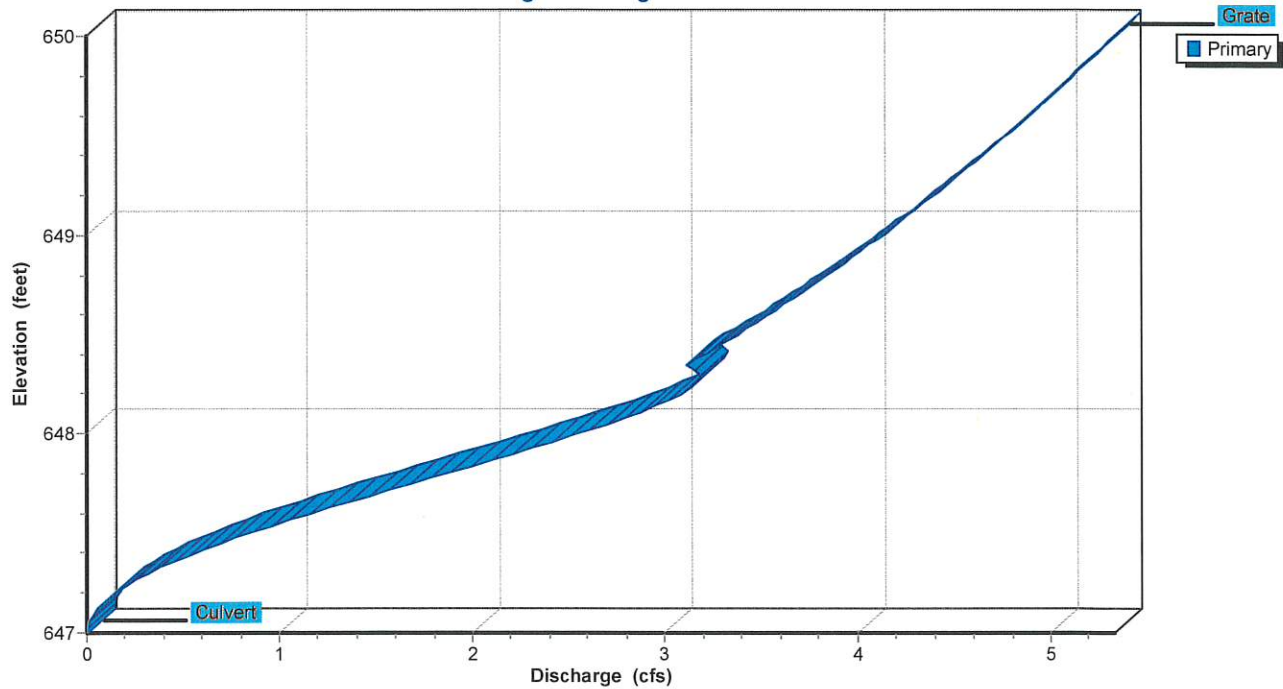
Brookhollow Senior Apartments
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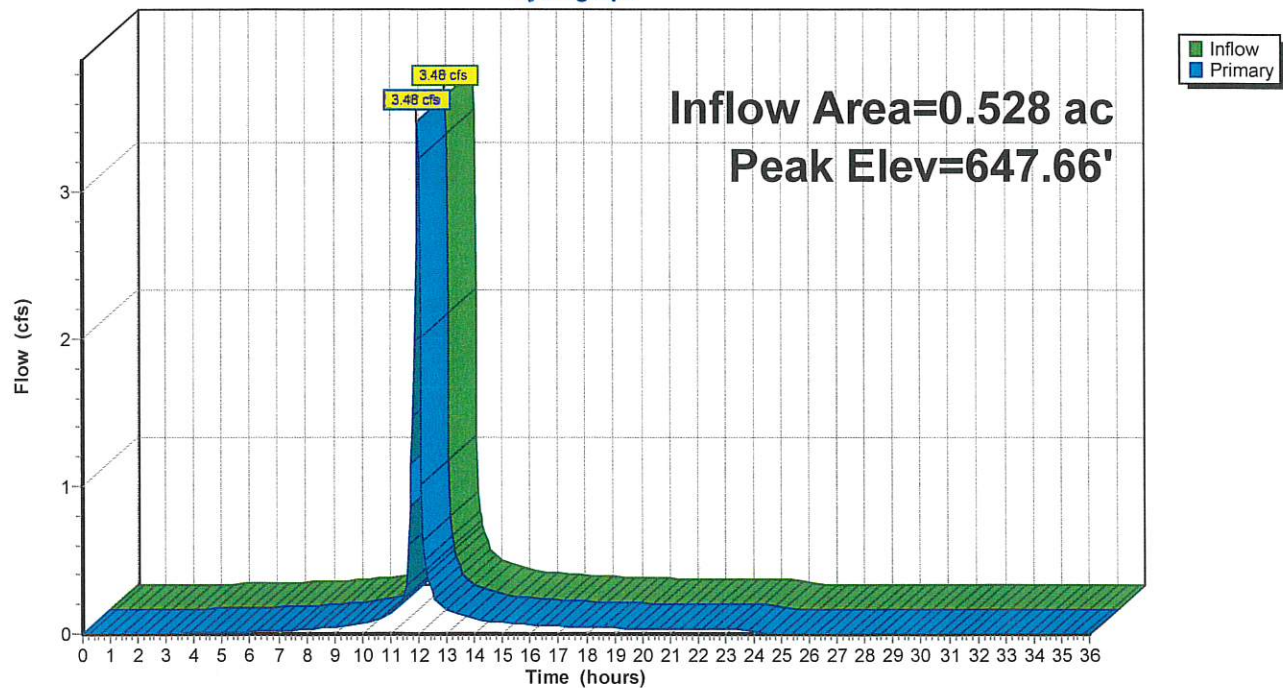
Pond 10P: CB2

Stage-Discharge



Pond 11P: CB3

Hydrograph



Runoff

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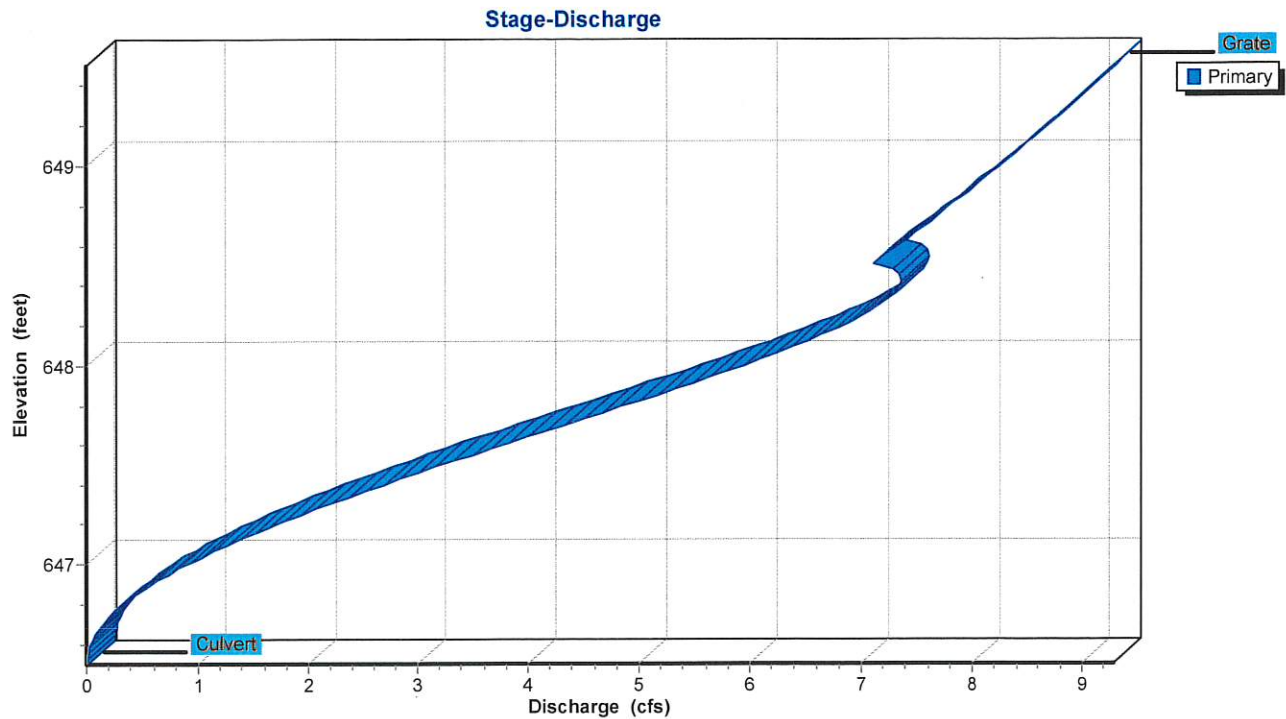
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

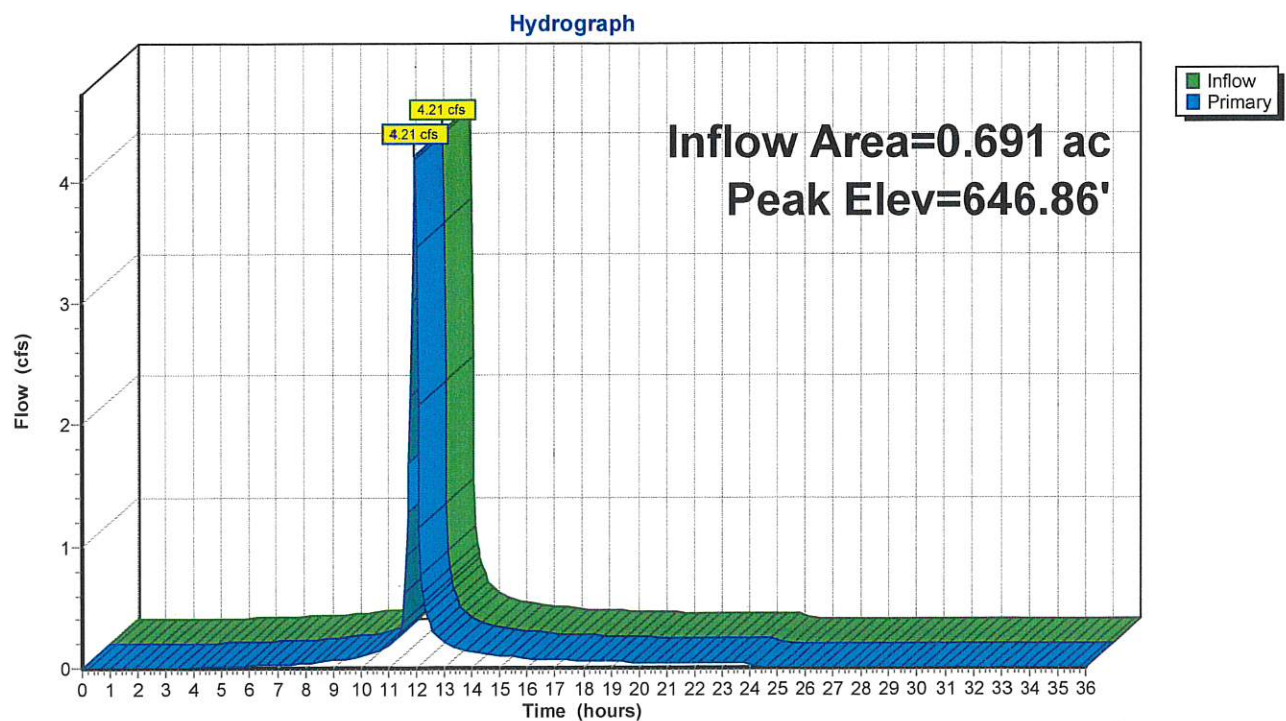
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Pond 11P: CB3



Pond 12P: CB4



Runoff

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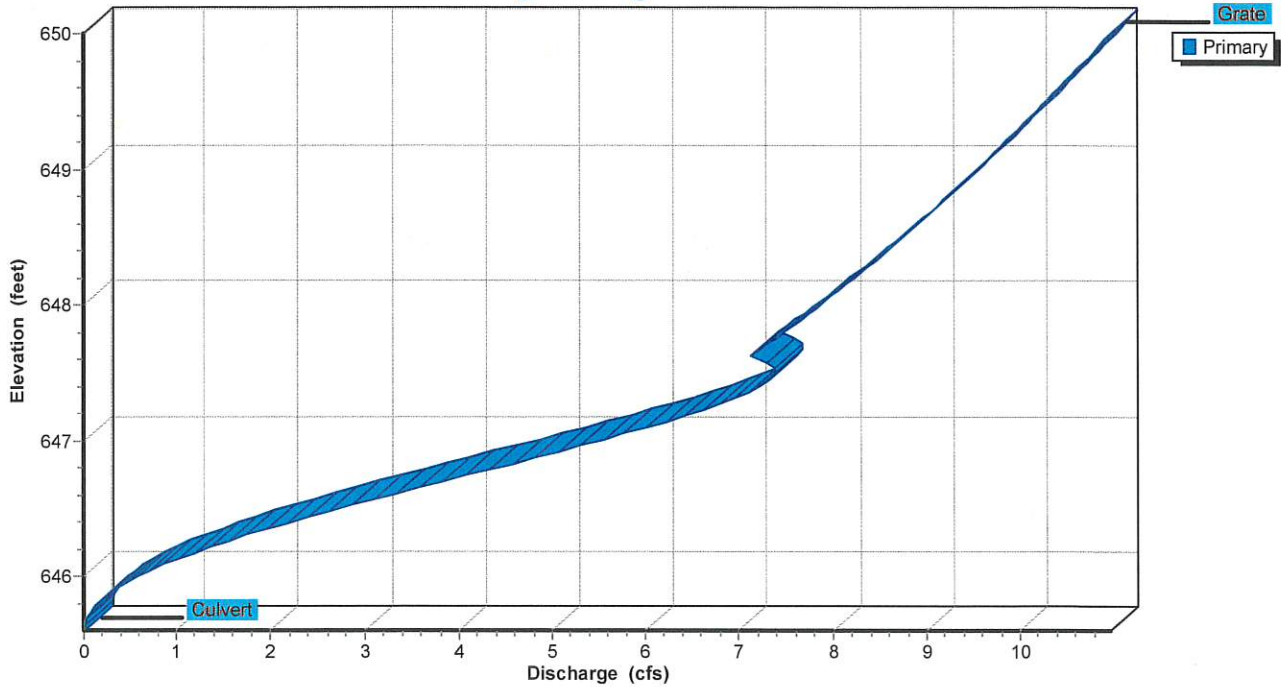
Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

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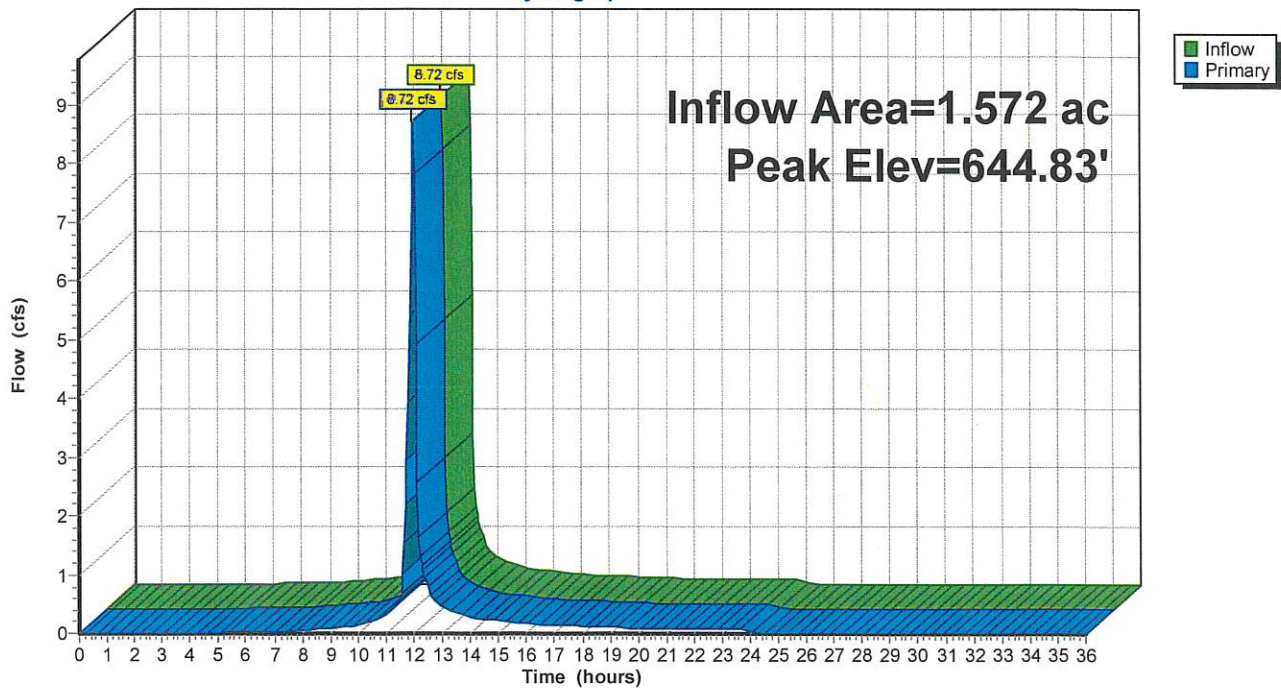
Pond 12P: CB4

Stage-Discharge



Pond 13aP: CB6

Hydrograph



Runoff

Prepared by {enter your company name here}

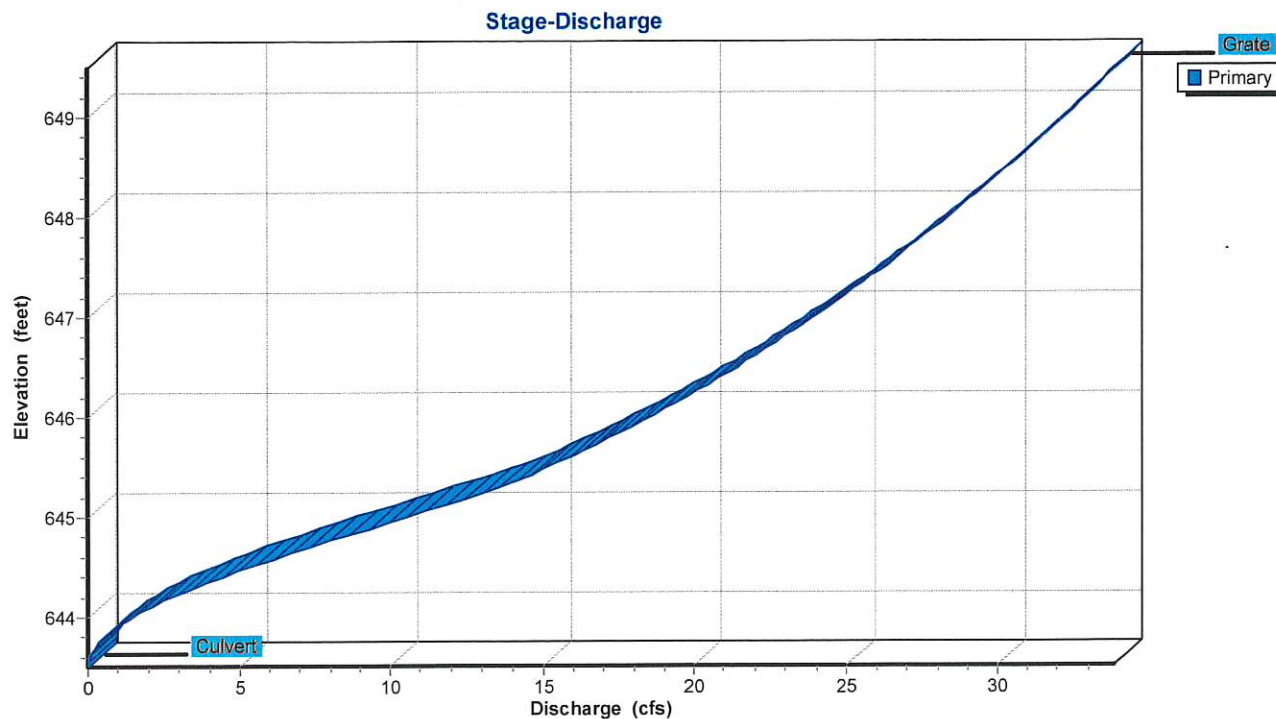
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

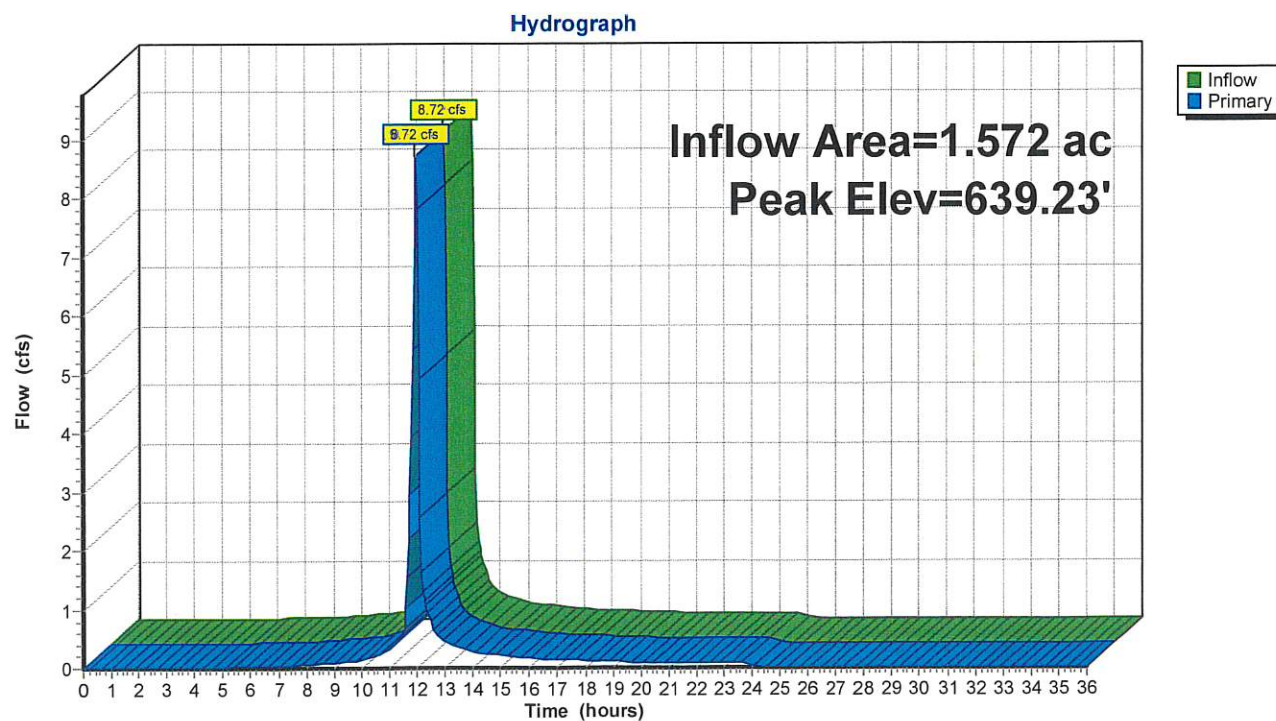
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Pond 13aP: CB6



Pond 13bP: CB7



Runoff

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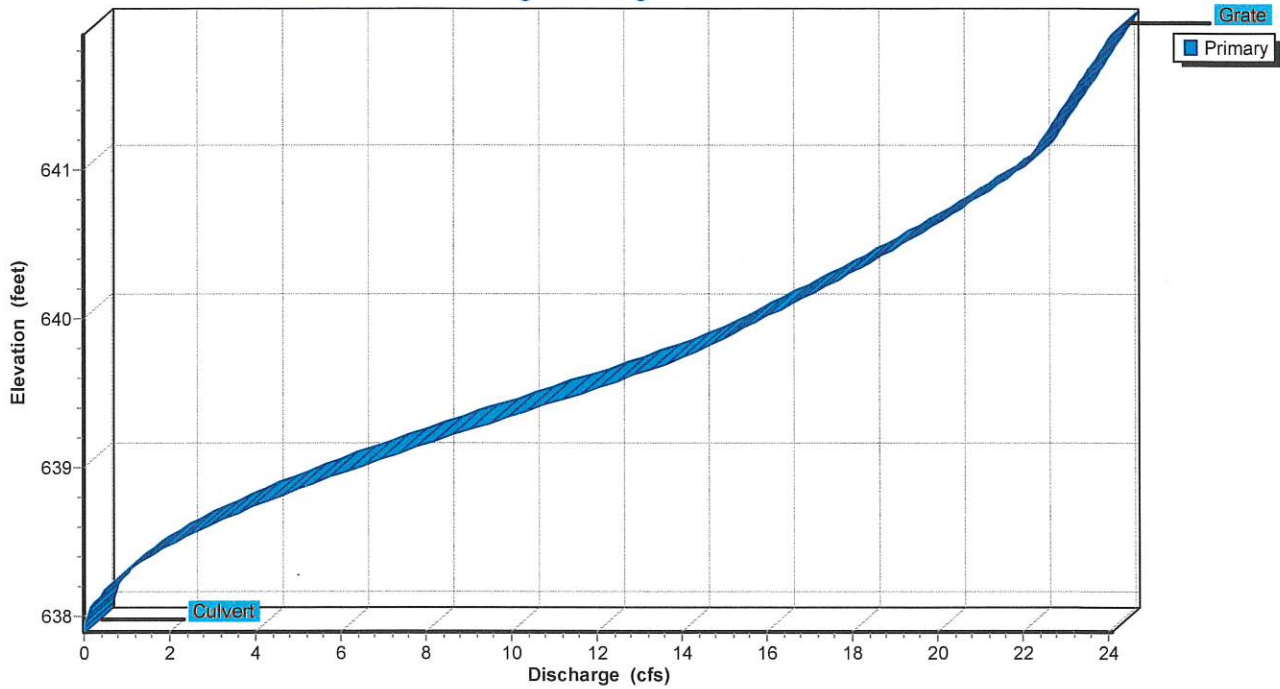
Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

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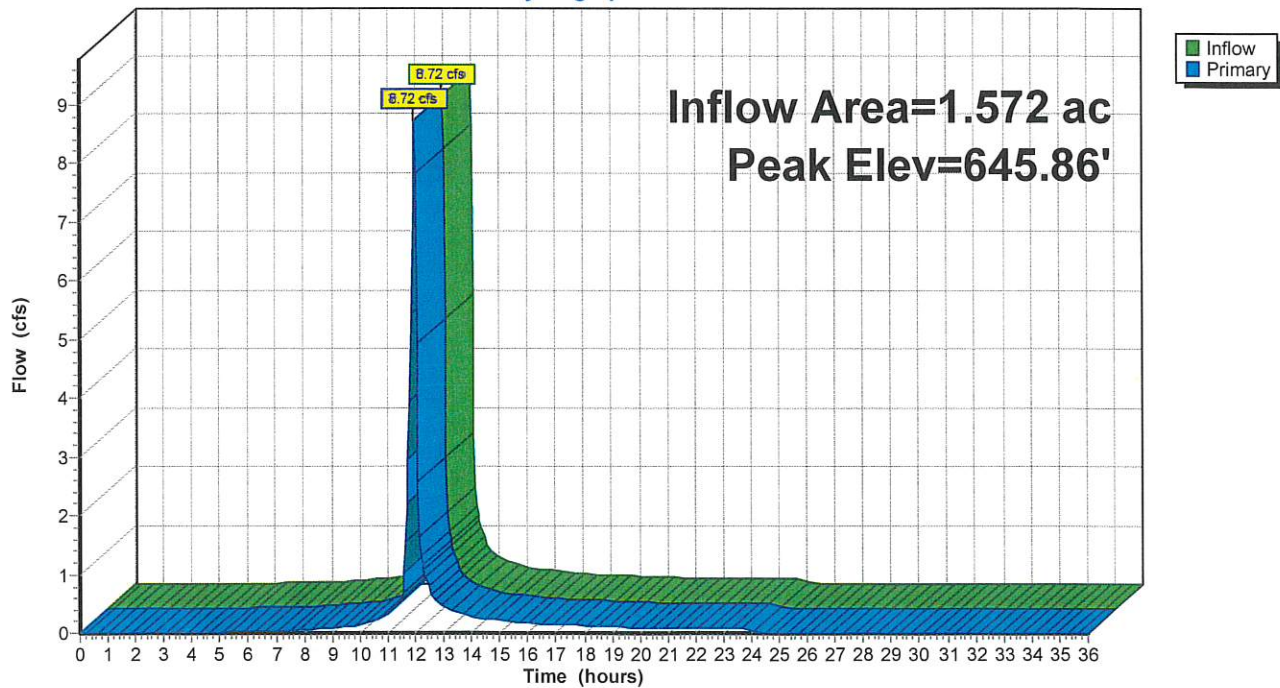
Pond 13bP: CB7

Stage-Discharge



Pond 13P: CB5

Hydrograph



Runoff

Prepared by {enter your company name here}

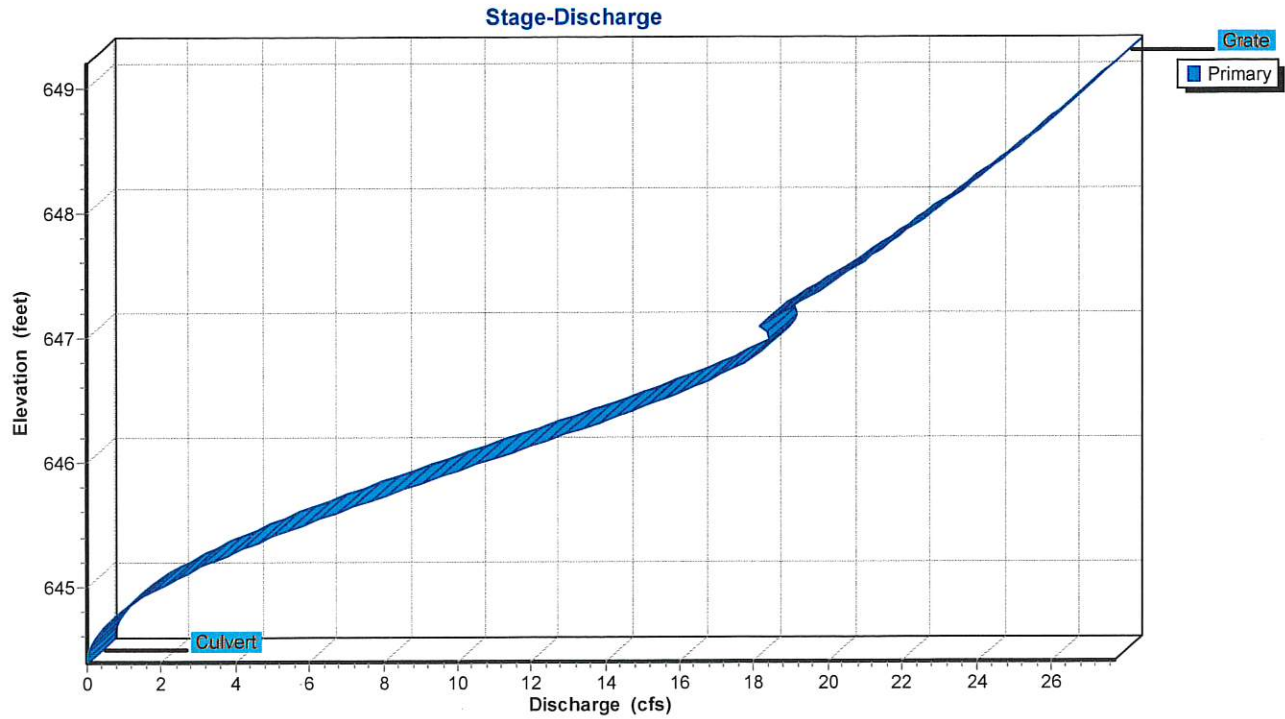
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

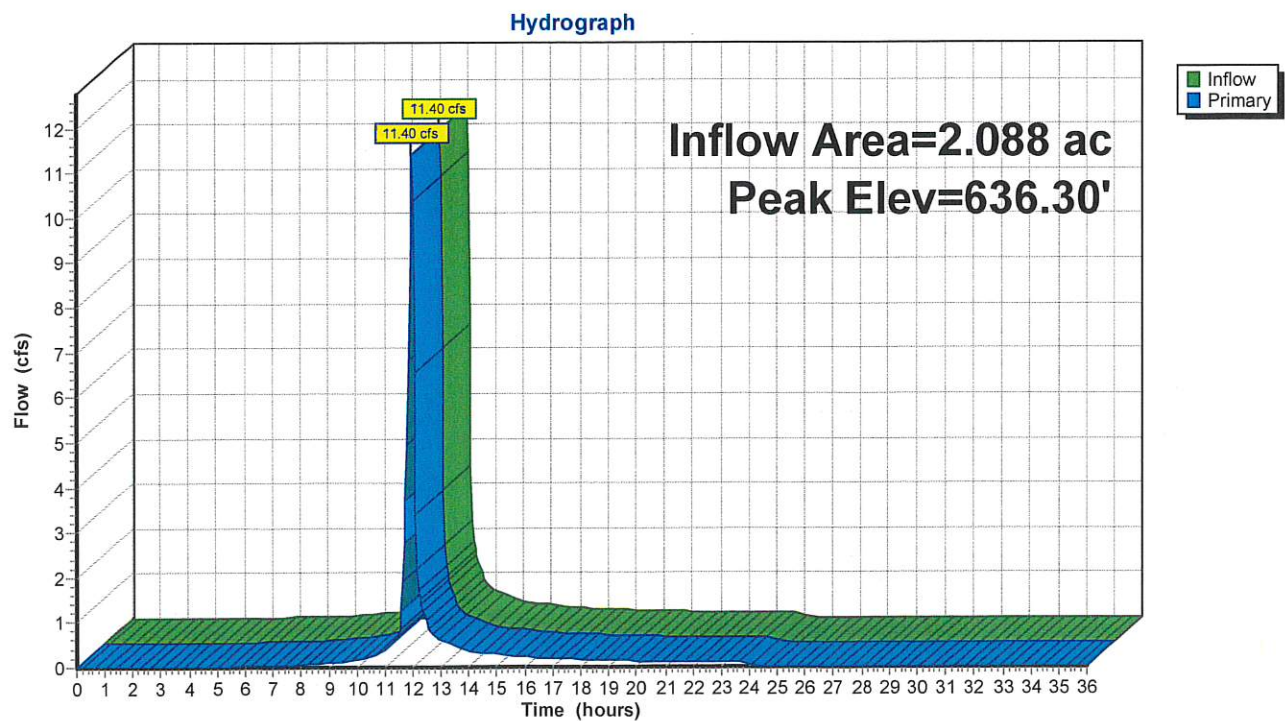
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Pond 13P: CB5



Pond 14P: CB8



Runoff

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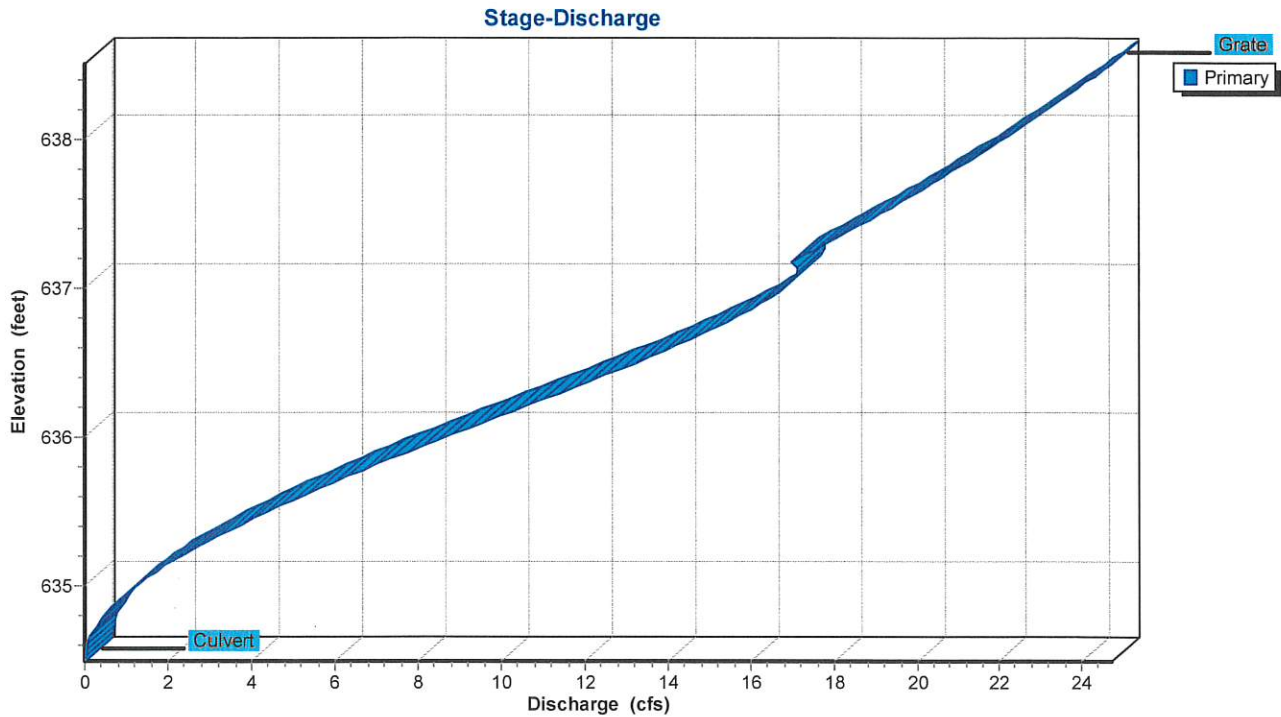
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

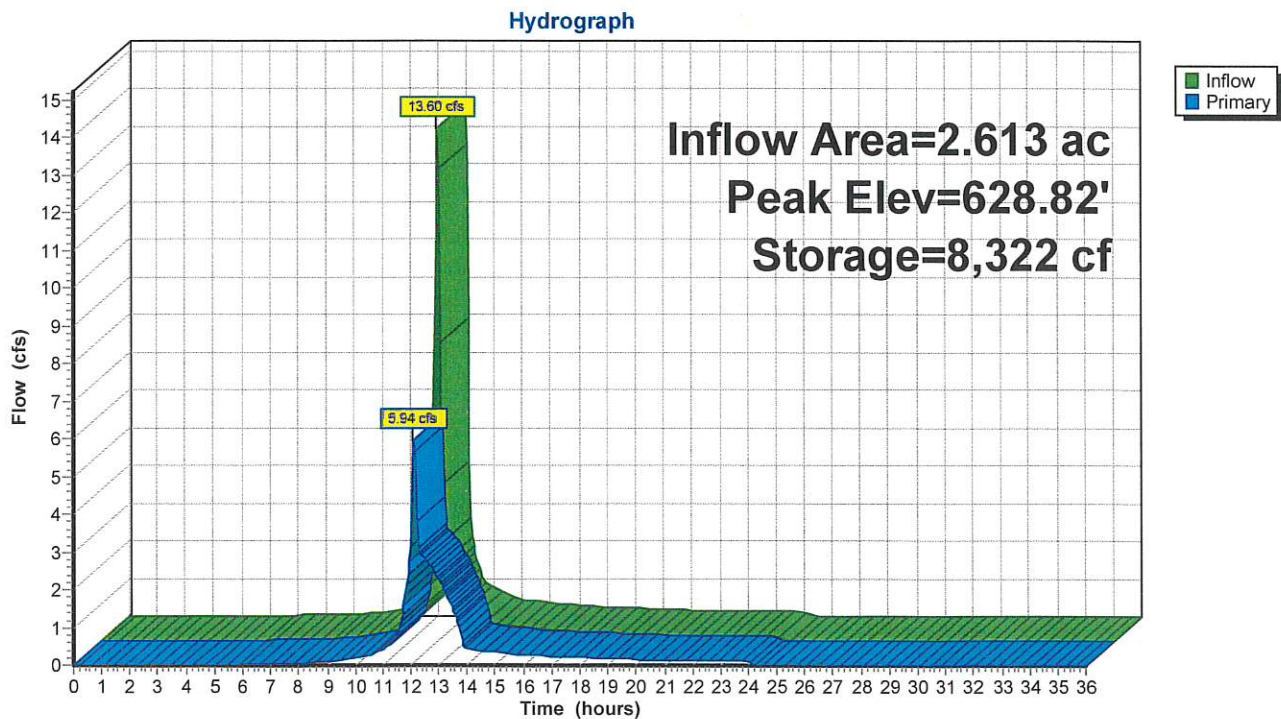
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Pond 14P: CB8



Pond 15P: Detention Basin



Runoff

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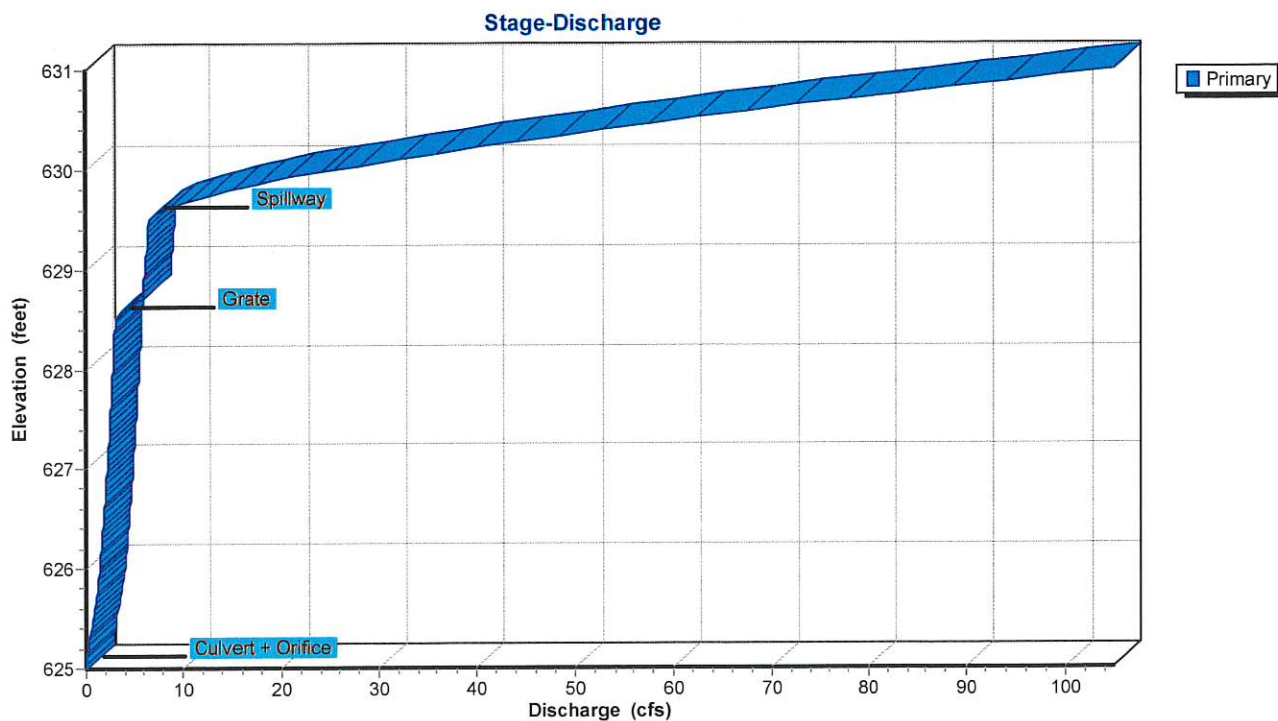
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Brookhollow Senior Apartments
Type II 24-hr 10yr/24hr Rainfall=5.11"

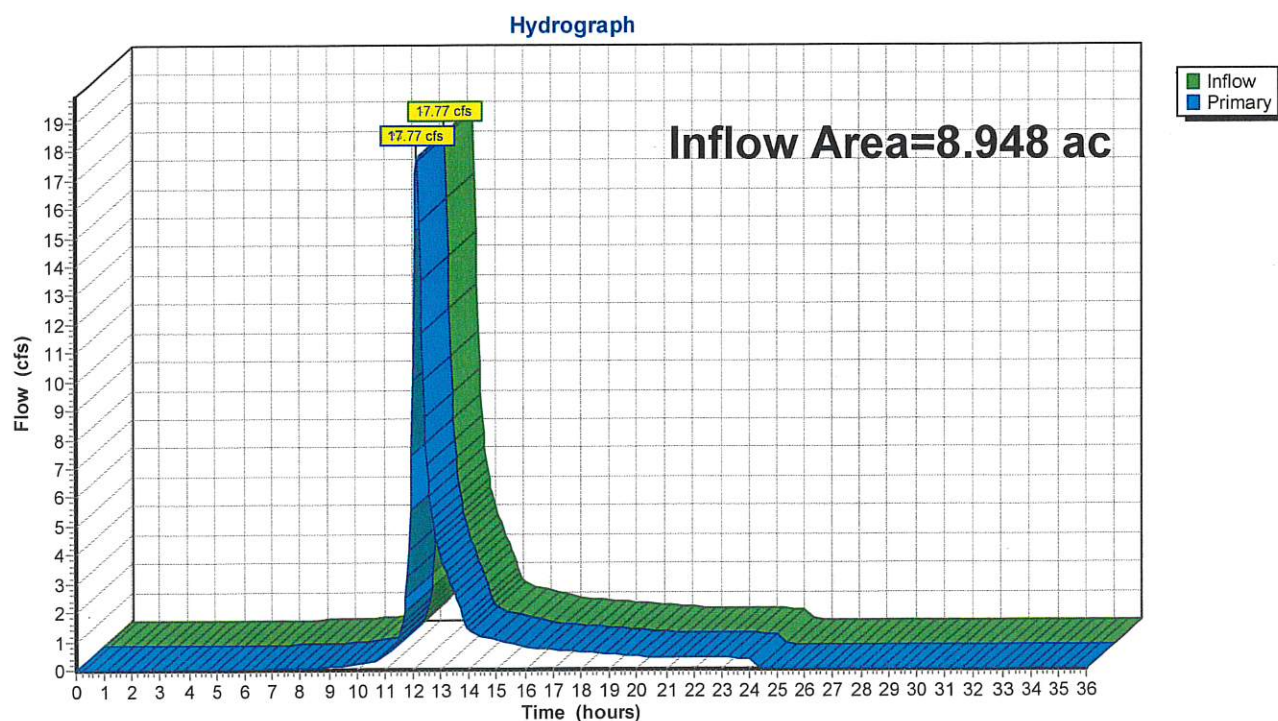
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Pond 15P: Detention Basin



Link 16L: Site Outfall



Runoff

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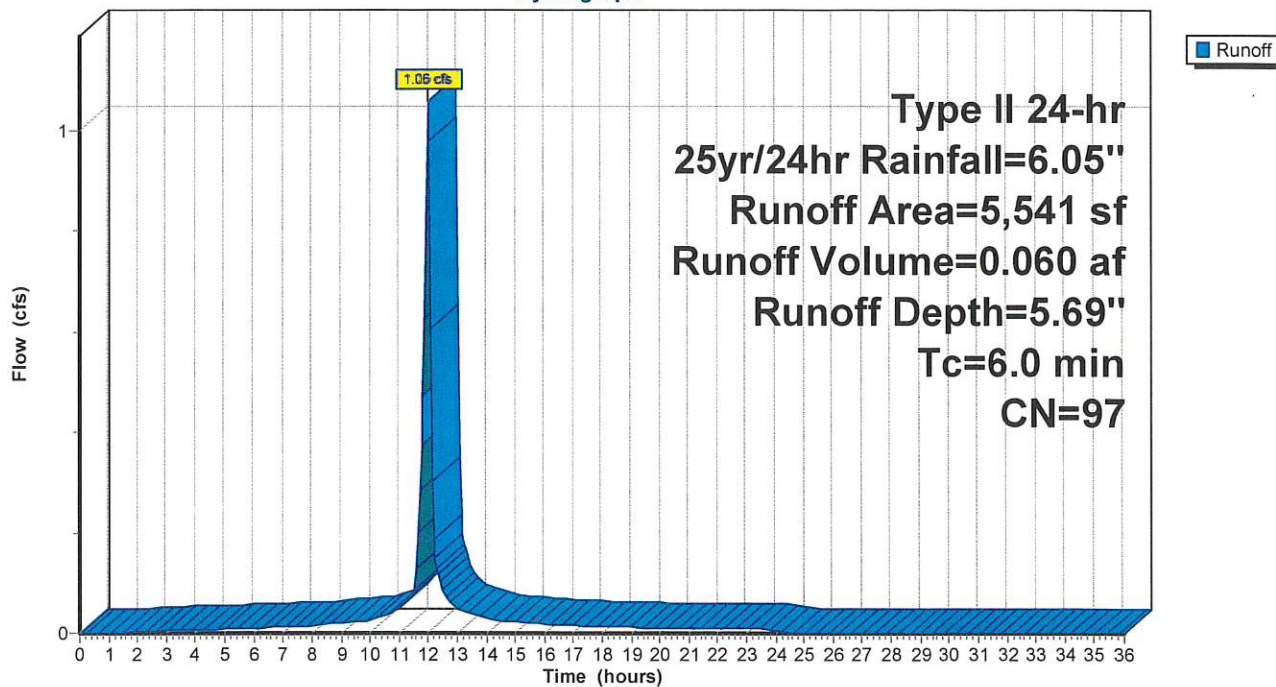
Brookhollow Senior Apartments
Type II 24-hr 25yr/24hr Rainfall=6.05"

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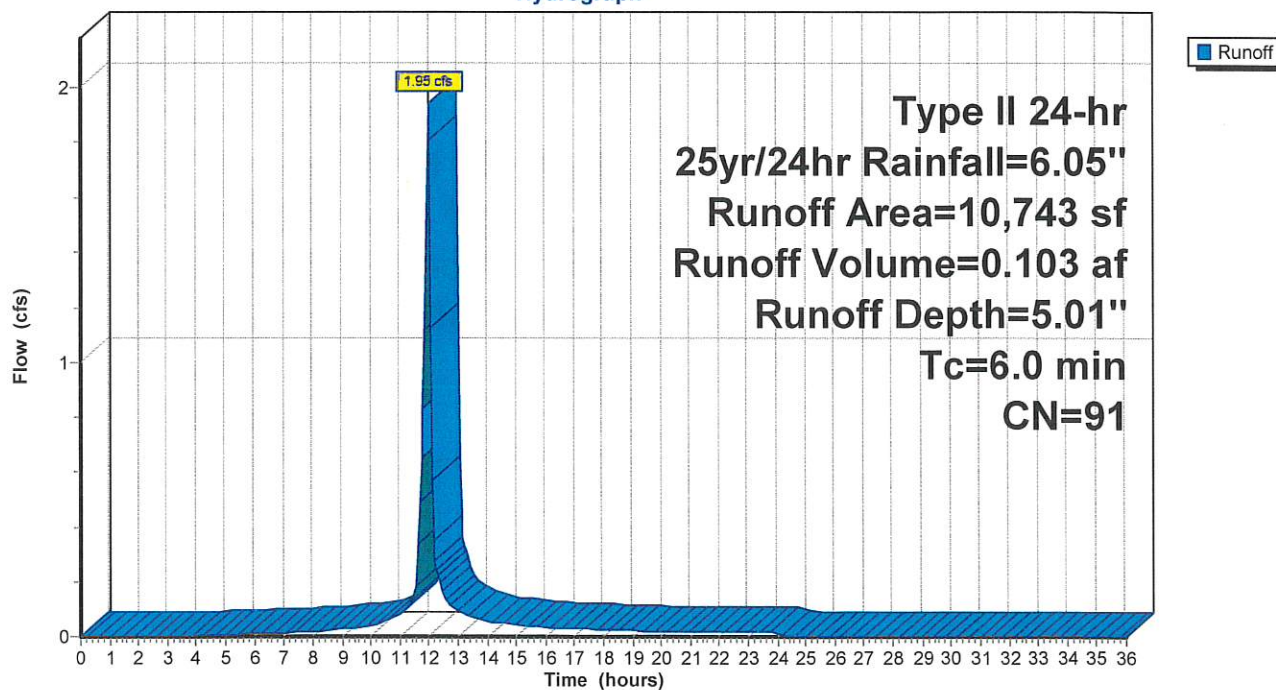
Subcatchment 1S: To CB1

Hydrograph



Subcatchment 2S: To CB2

Hydrograph



Runoff

Prepared by {enter your company name here}

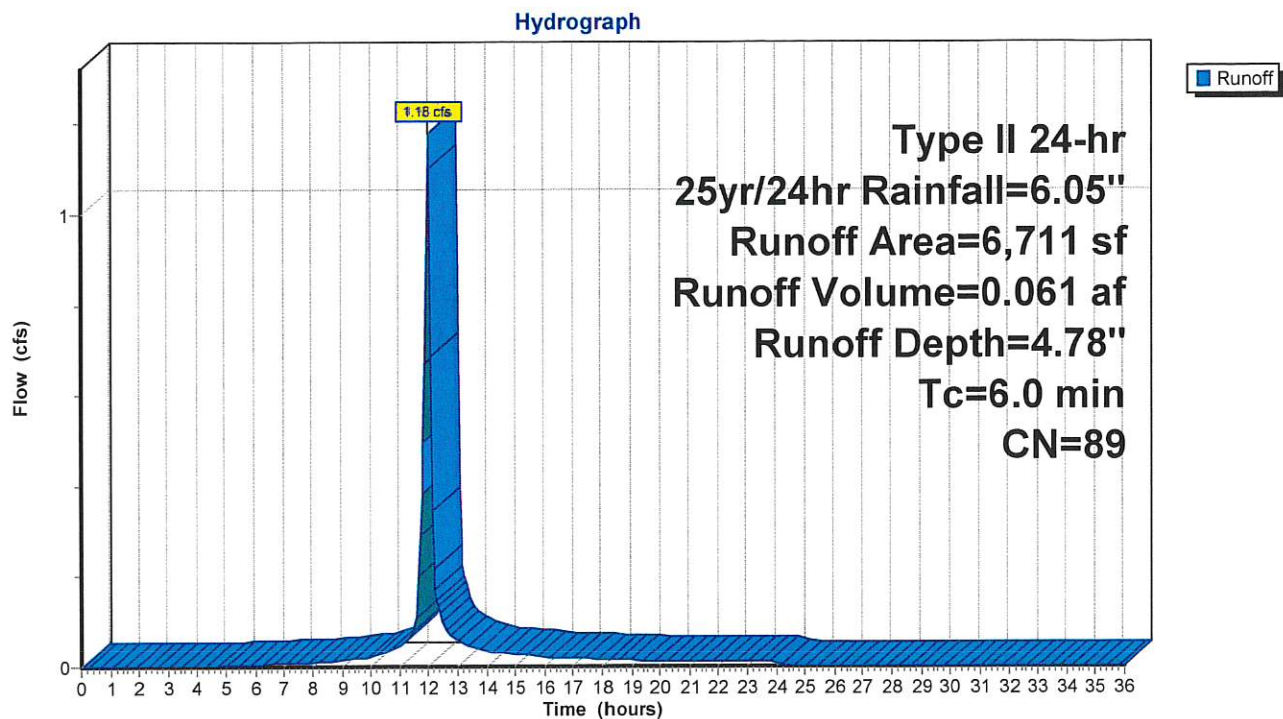
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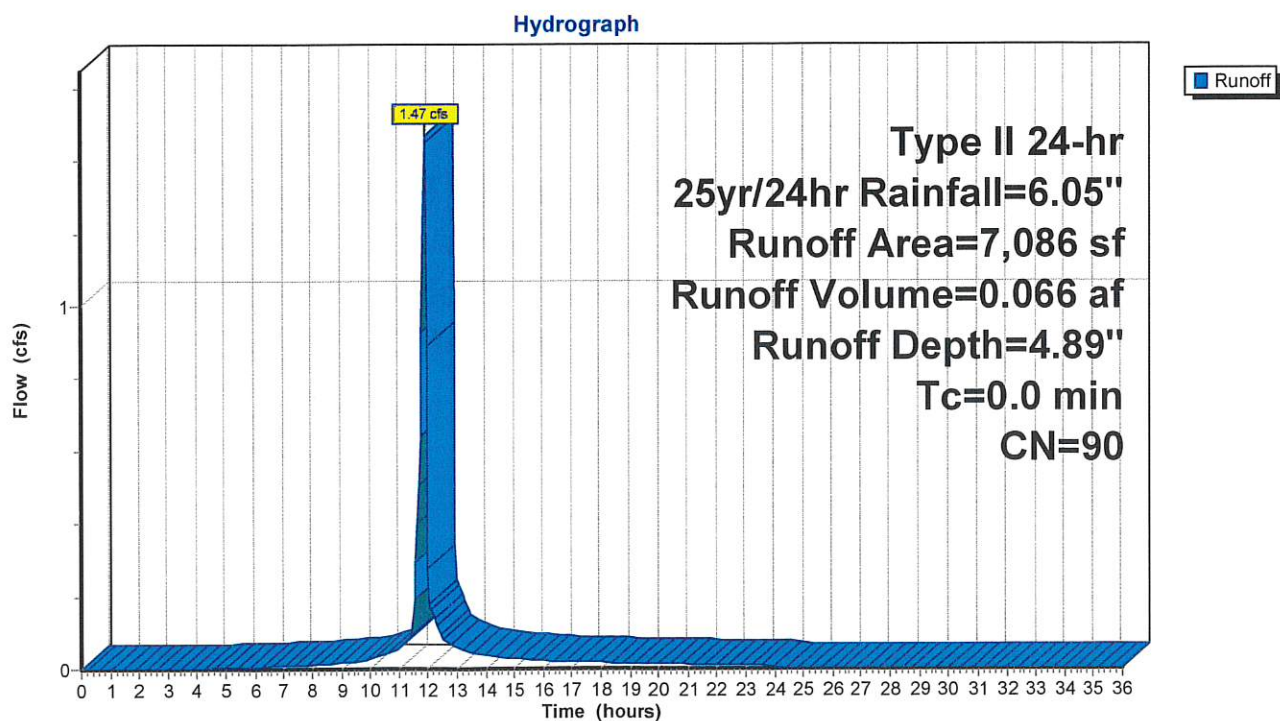
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Subcatchment 3S: To CB3



Subcatchment 4S: To CB4



Runoff

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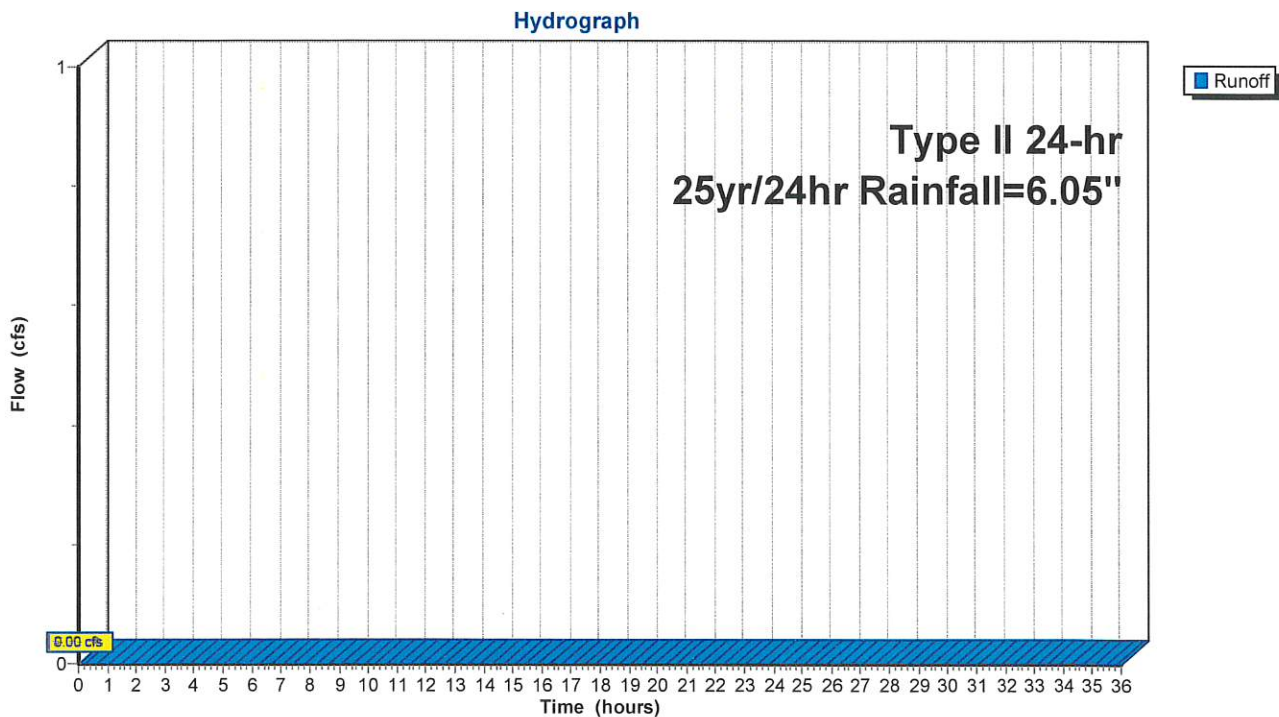
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Brookhollow Senior Apartments
Type II 24-hr 25yr/24hr Rainfall=6.05"

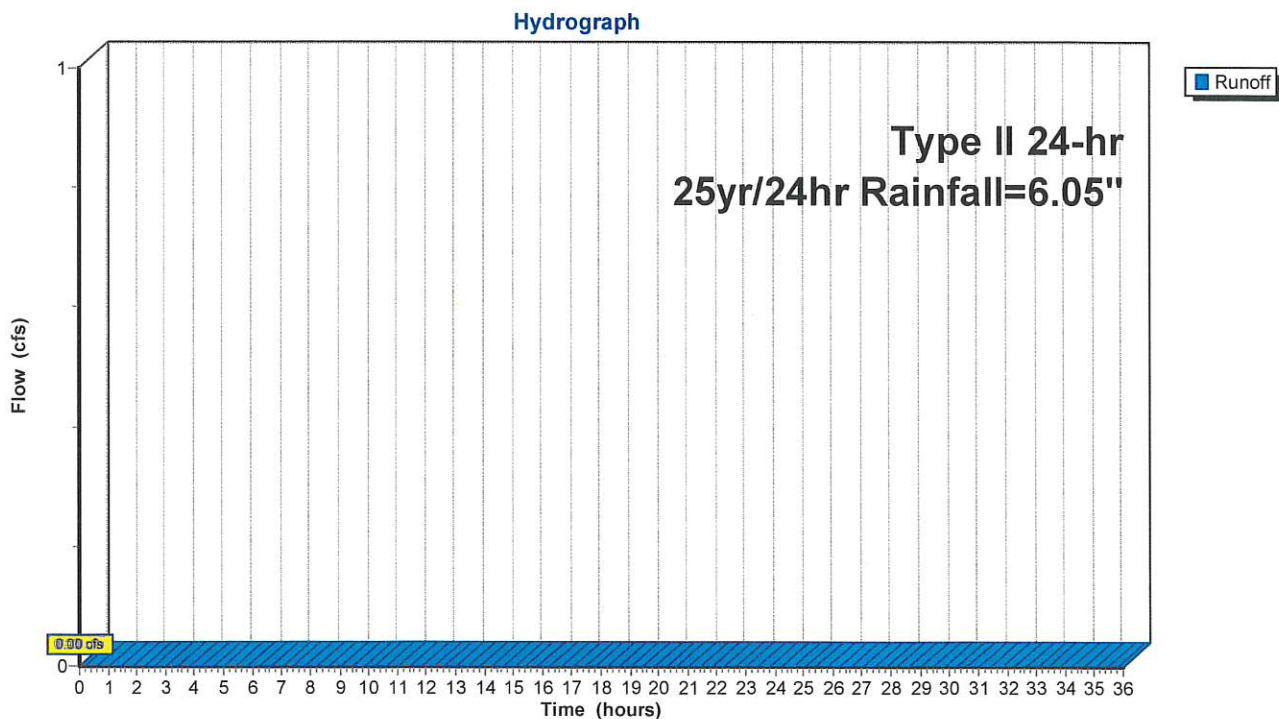
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Subcatchment 5aS: To CB5



Subcatchment 5bS: To CB5



Runoff

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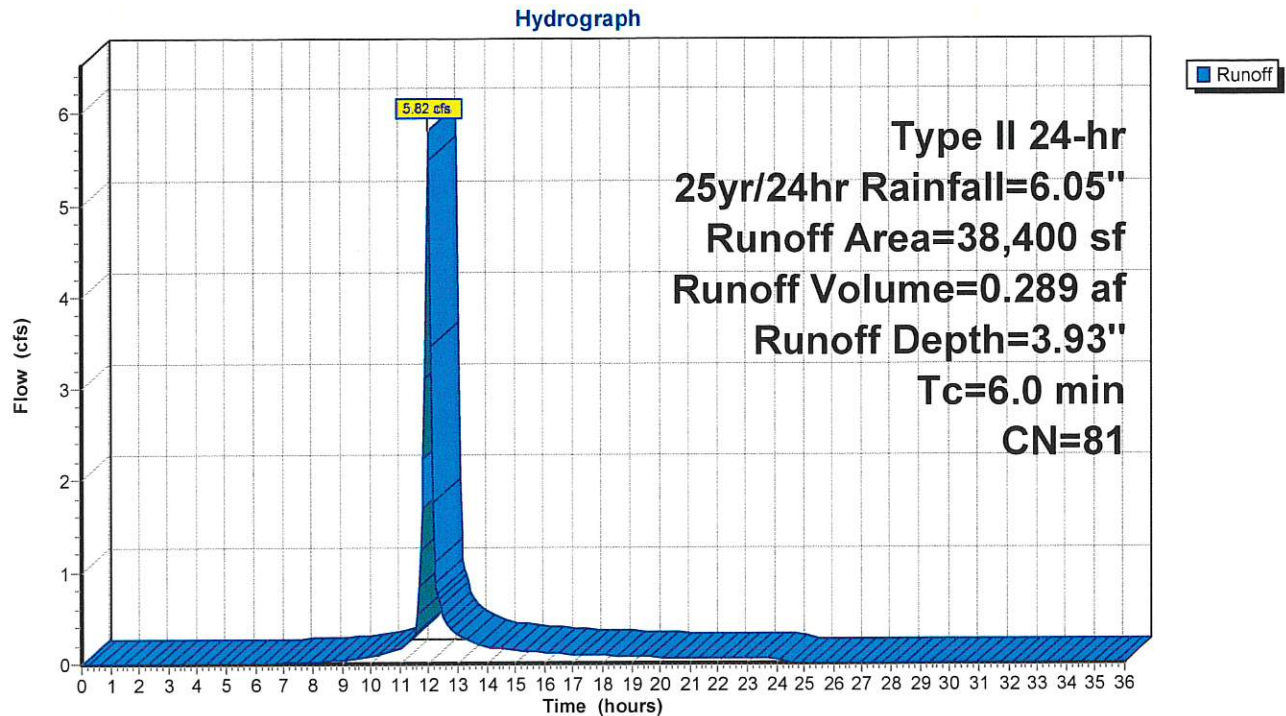
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Brookhollow Senior Apartments
Type II 24-hr 25yr/24hr Rainfall=6.05"

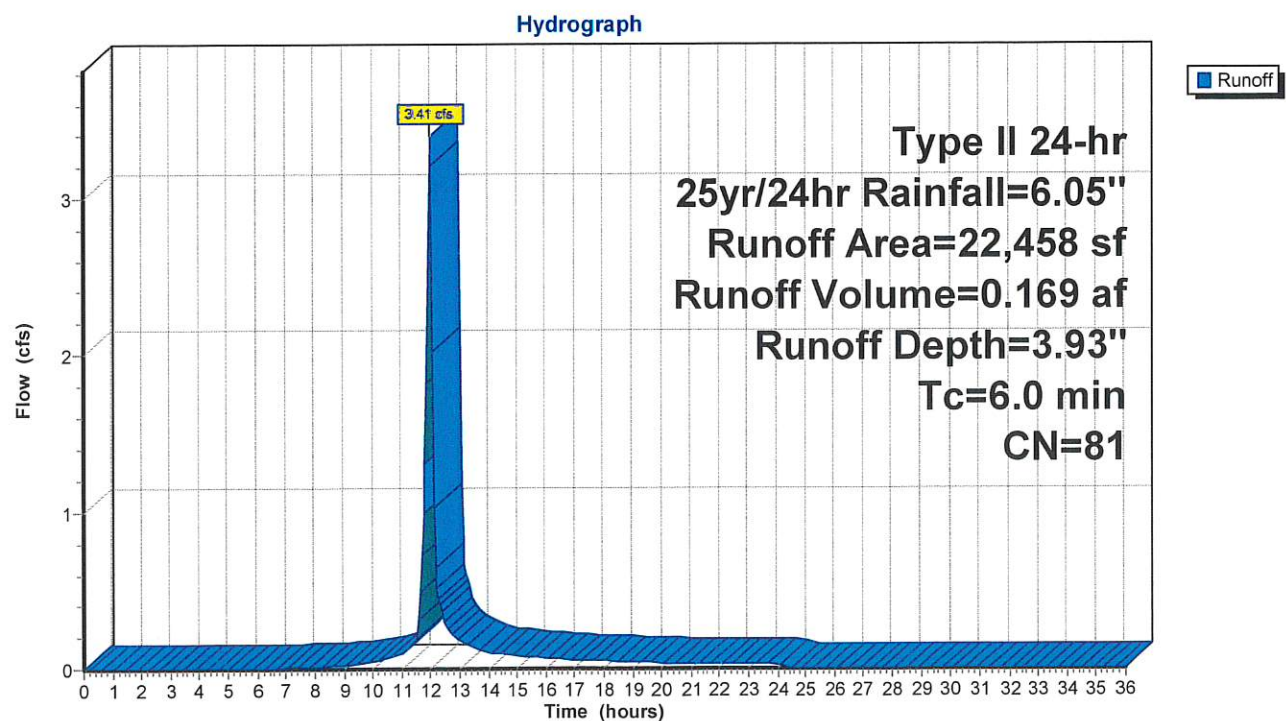
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Subcatchment 5S: To CB5



Subcatchment 6S: To CB6



Runoff

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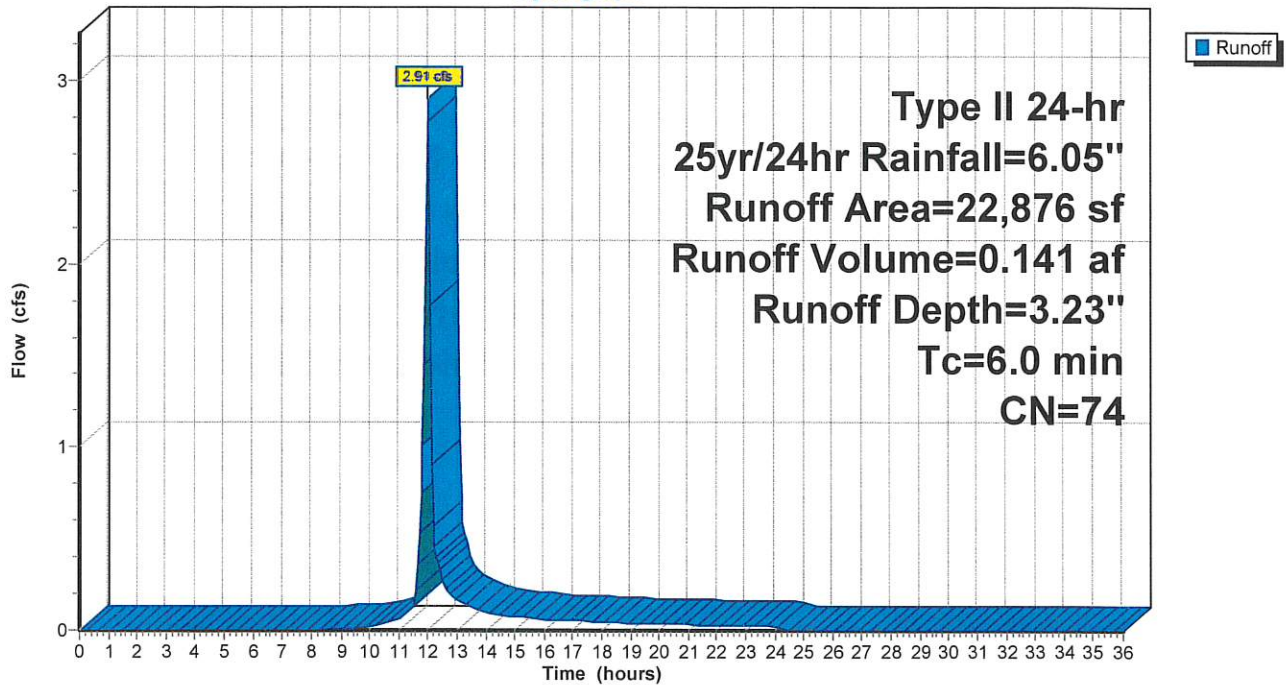
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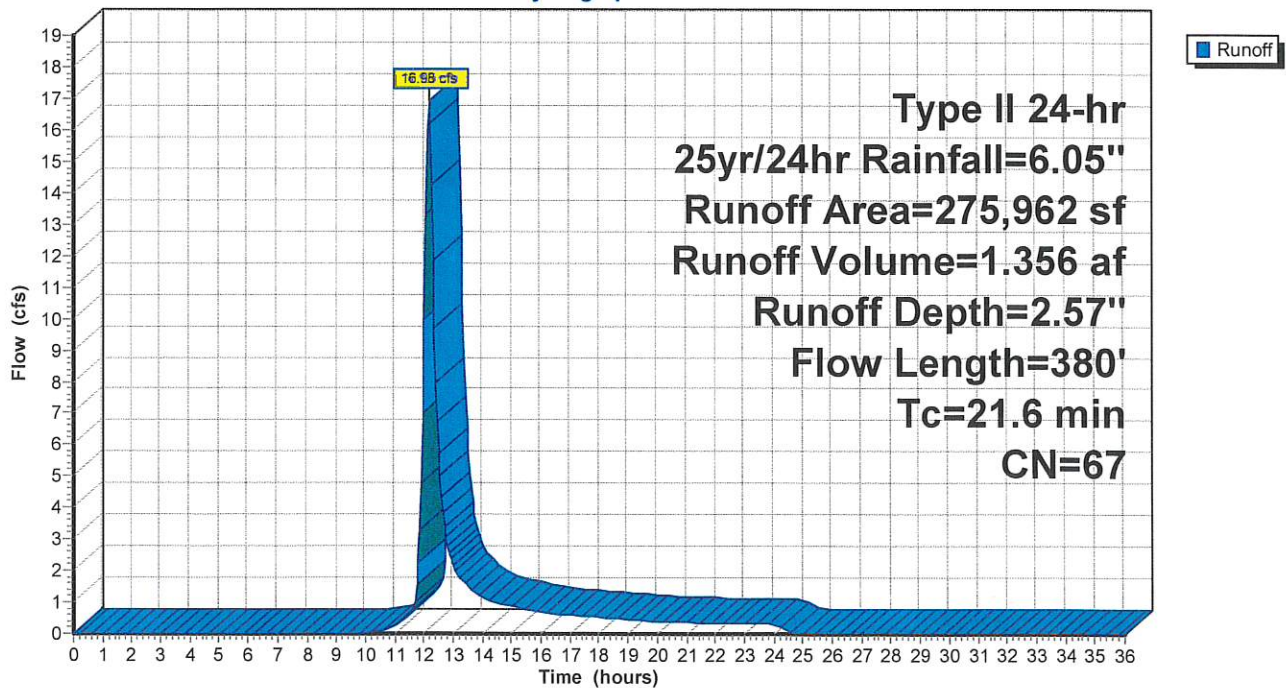
Subcatchment 7S: To Basin

Hydrograph



Subcatchment 8S: Bypassing

Hydrograph



Runoff

Prepared by {enter your company name here}

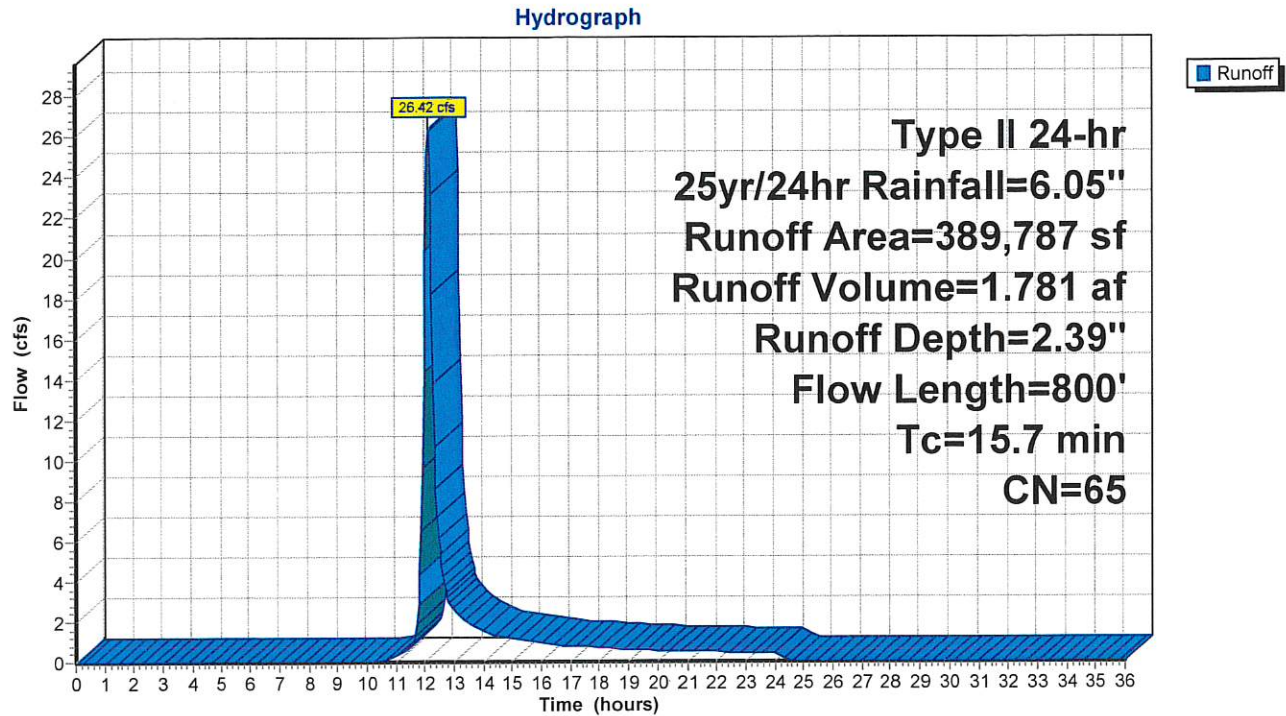
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Brookhollow Senior Apartments
Type II 24-hr 25yr/24hr Rainfall=6.05"

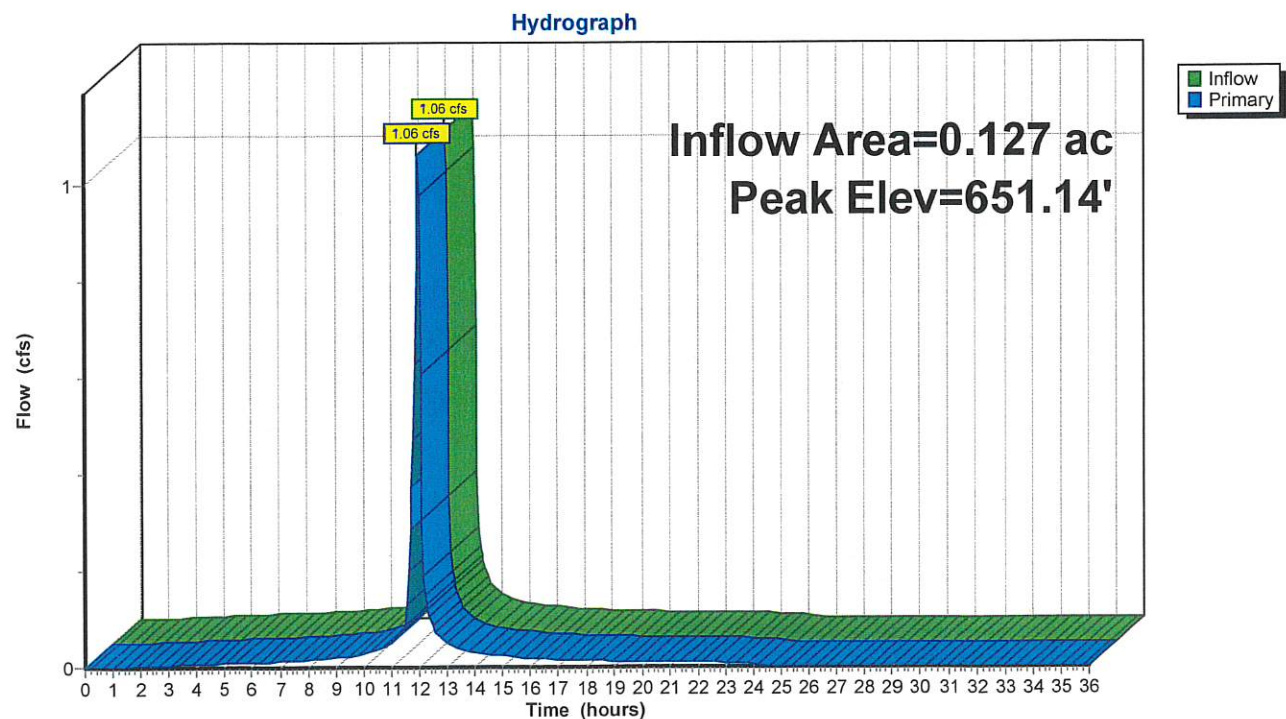
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Subcatchment OS: To Outfall



Pond 9P: CB1



Runoff

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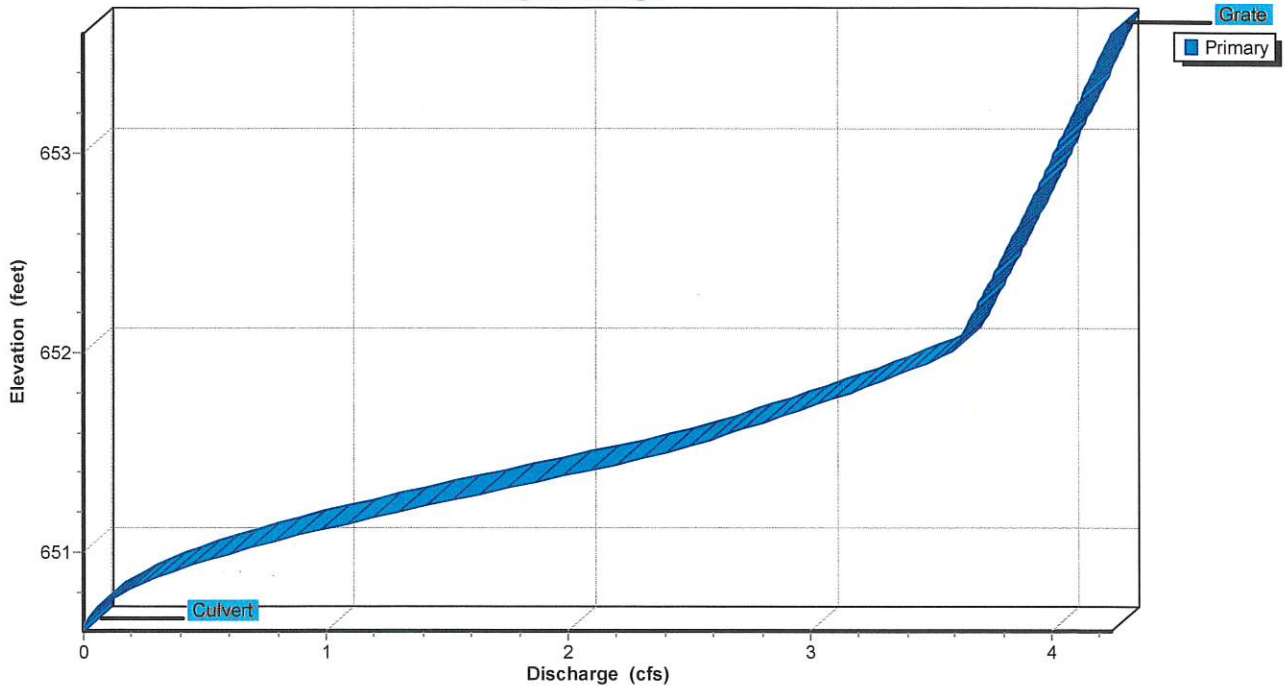
Brookhollow Senior Apartments
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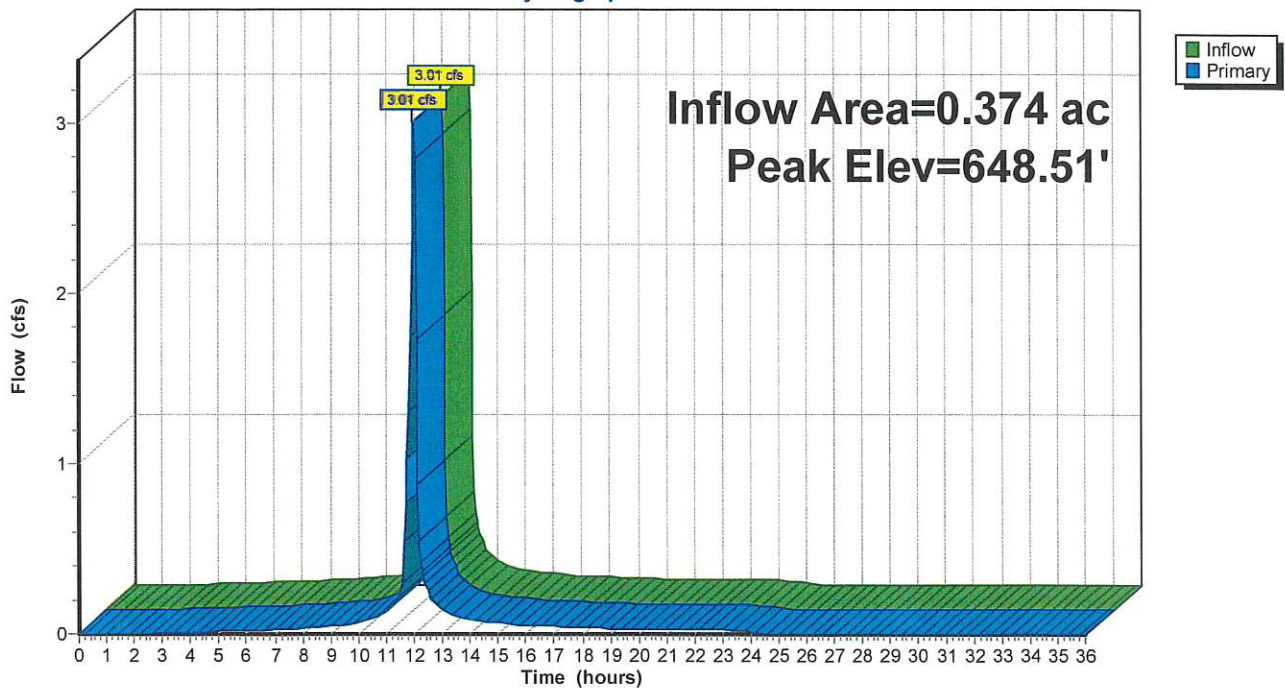
Pond 9P: CB1

Stage-Discharge



Pond 10P: CB2

Hydrograph



Runoff

Prepared by {enter your company name here}

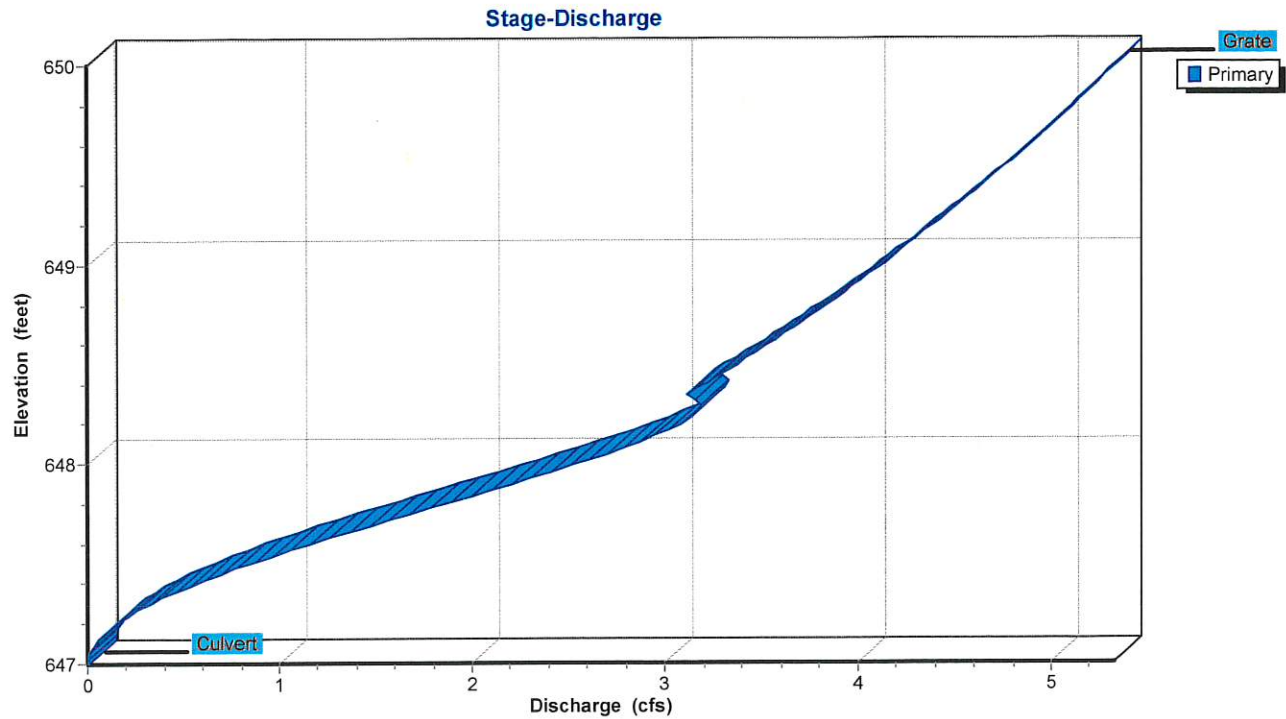
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Brookhollow Senior Apartments
Type II 24-hr 25yr/24hr Rainfall=6.05"

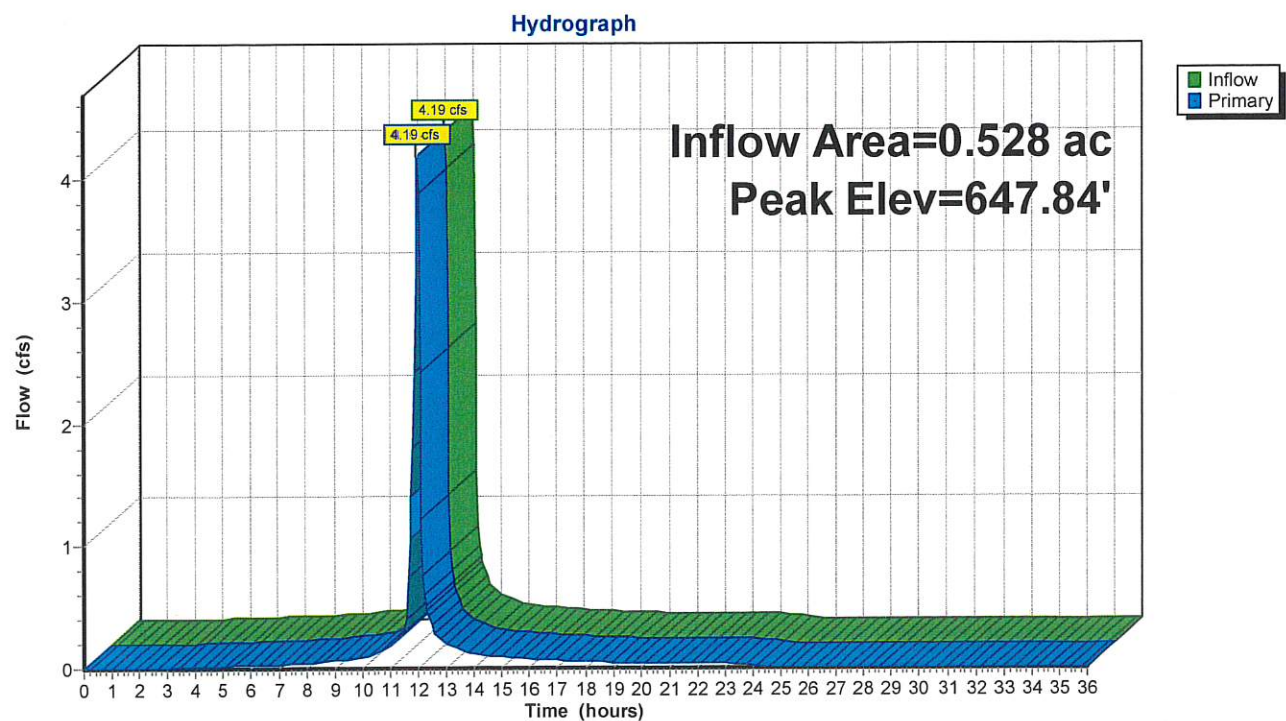
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Pond 10P: CB2



Pond 11P: CB3



Runoff

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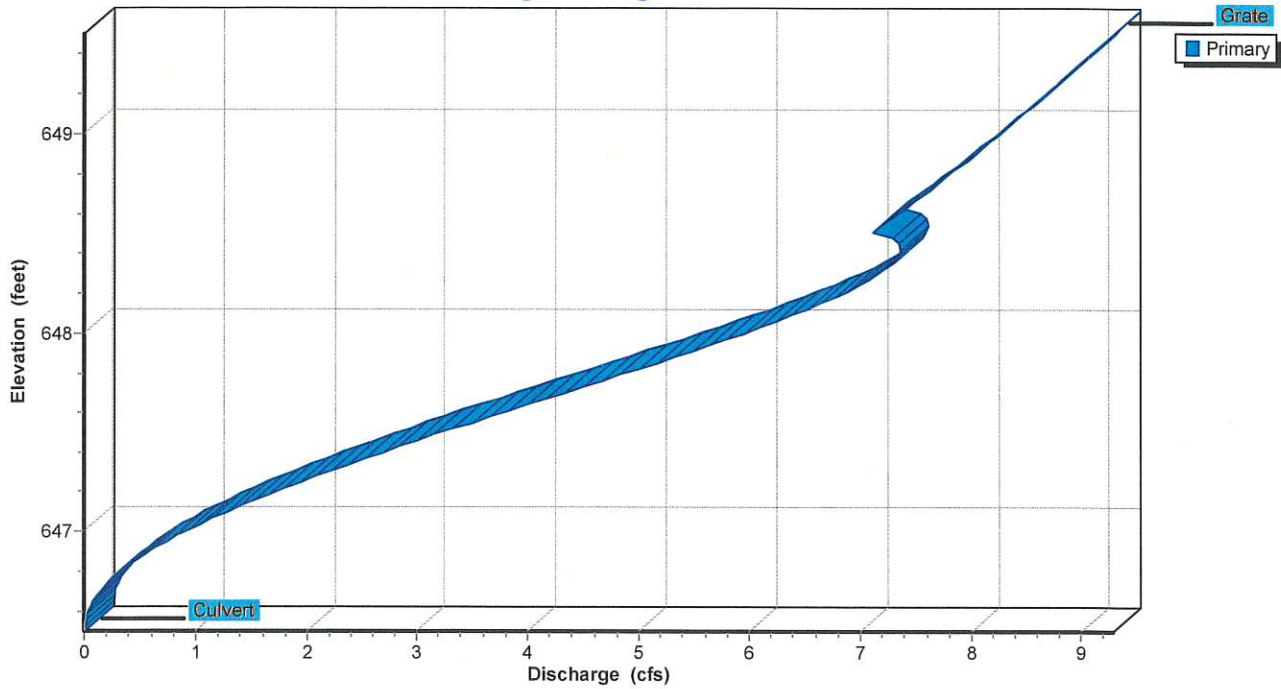
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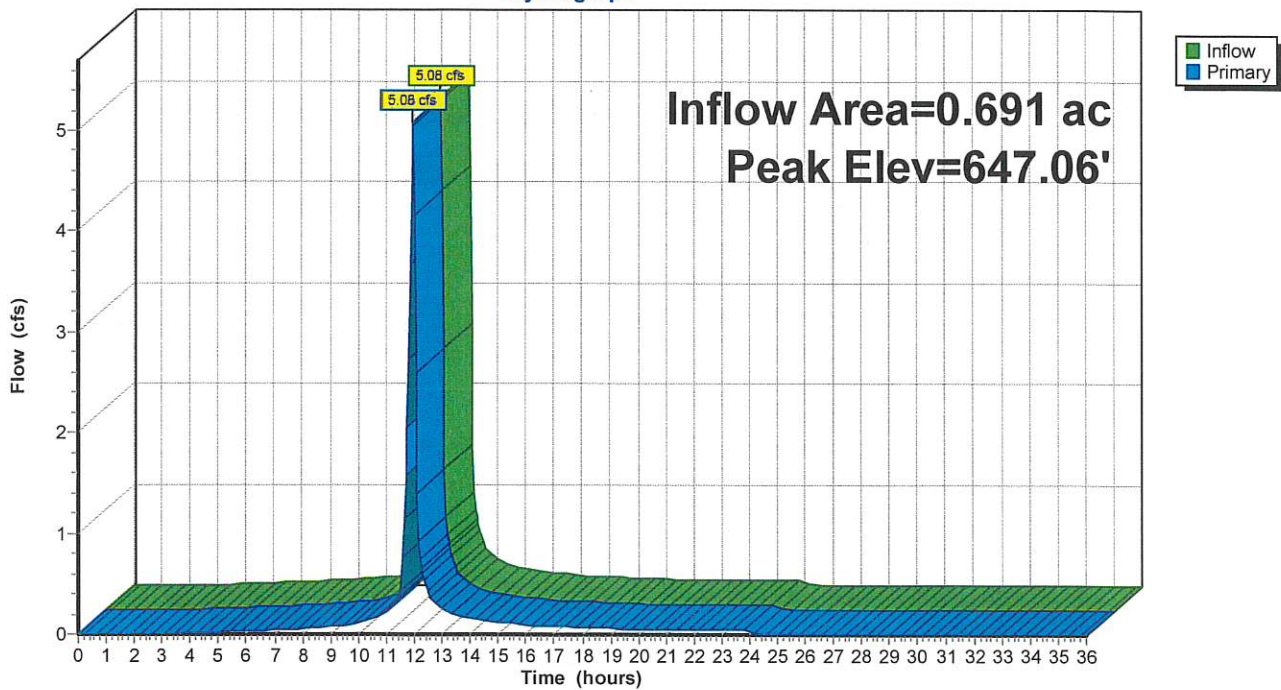
Pond 11P: CB3

Stage-Discharge



Pond 12P: CB4

Hydrograph



Runoff

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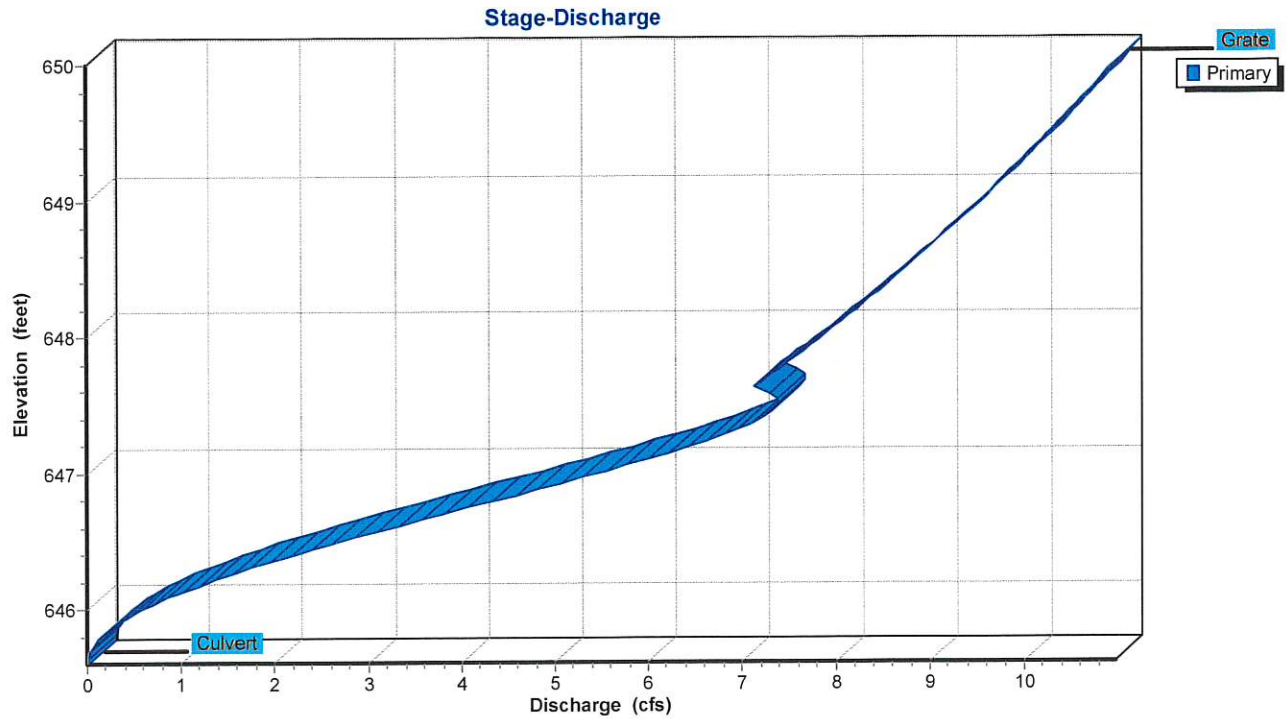
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Brookhollow Senior Apartments
Type II 24-hr 25yr/24hr Rainfall=6.05"

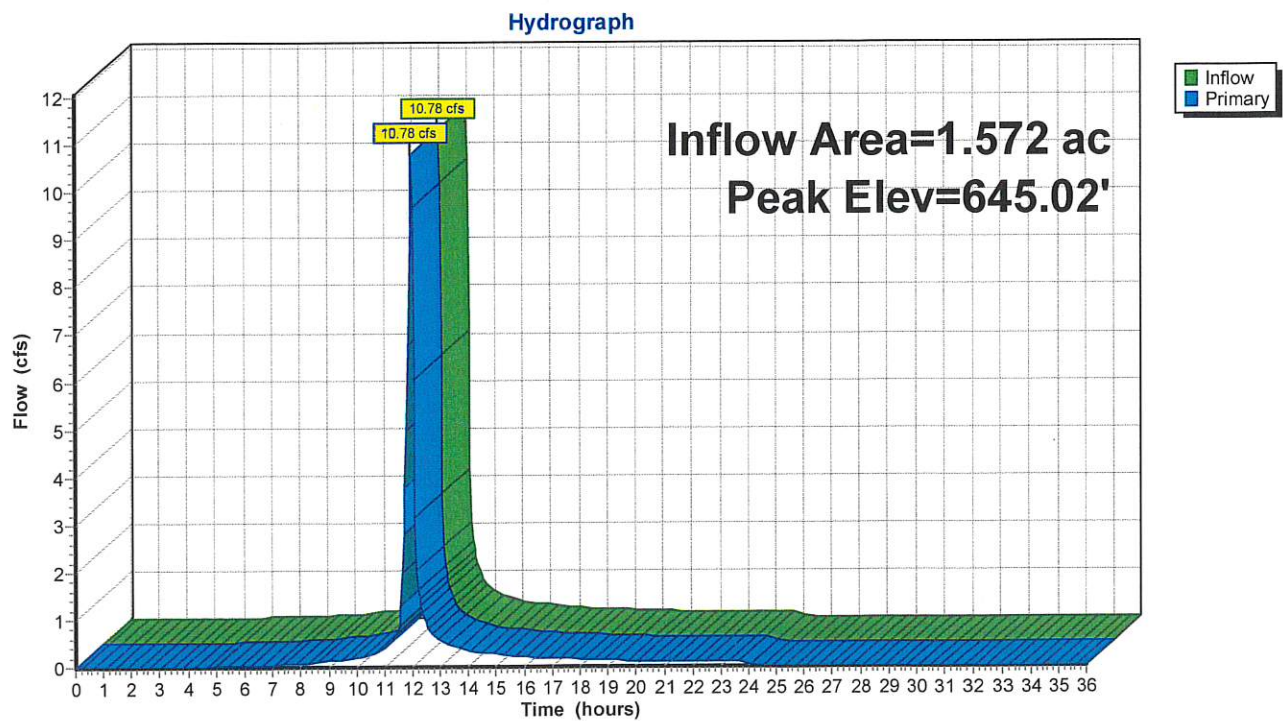
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Pond 12P: CB4



Pond 13aP: CB6



Runoff

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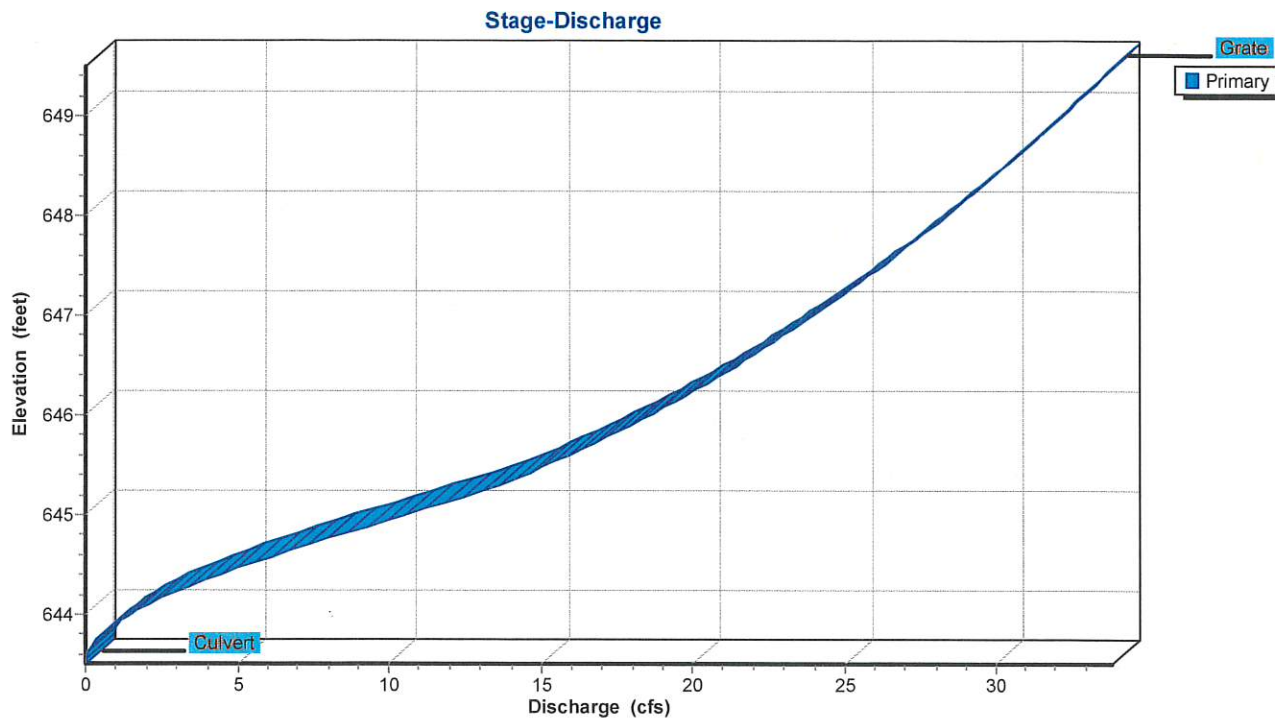
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Brookhollow Senior Apartments
Type II 24-hr 25yr/24hr Rainfall=6.05"

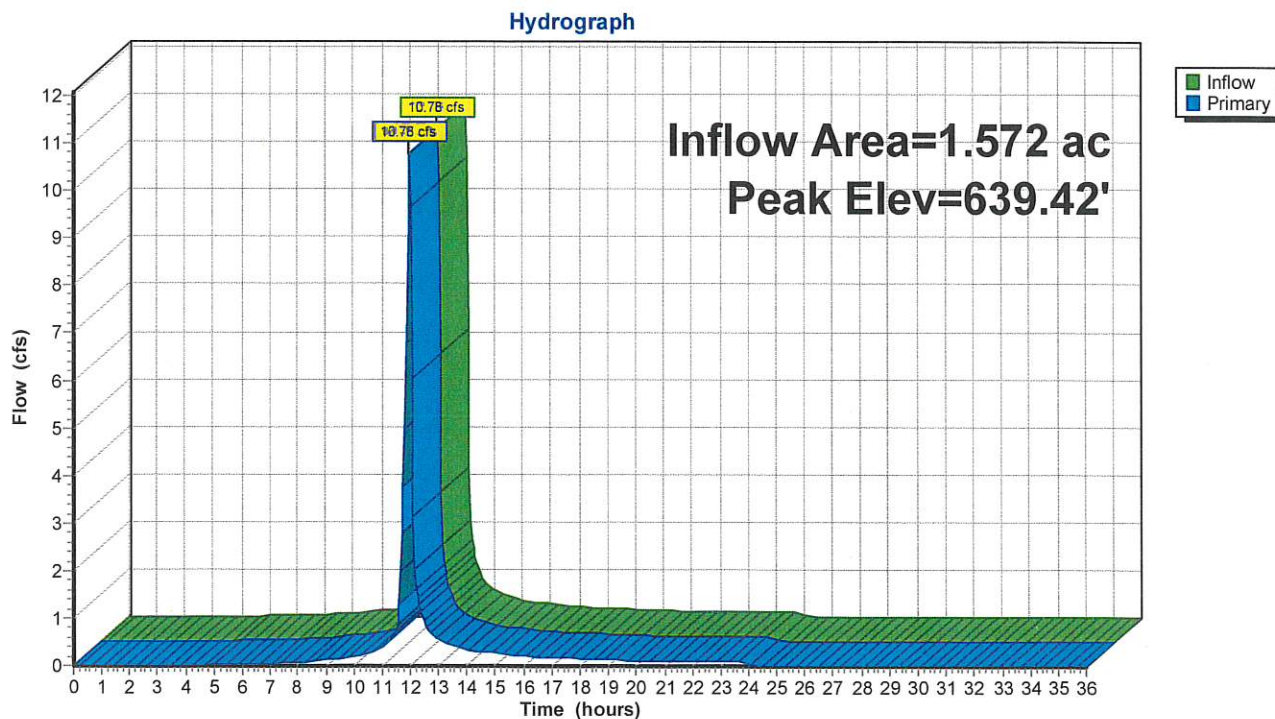
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Pond 13aP: CB6



Pond 13bP: CB7



Runoff

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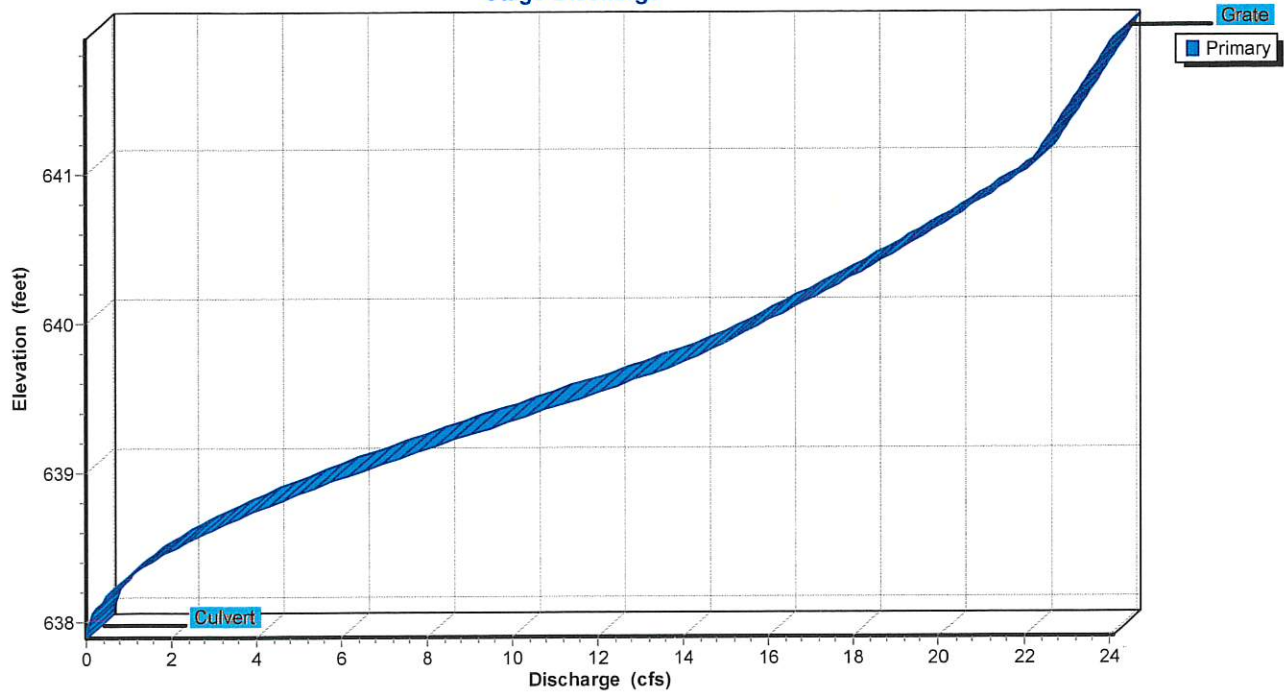
Brookhollow Senior Apartments
Type II 24-hr 25yr/24hr Rainfall=6.05"

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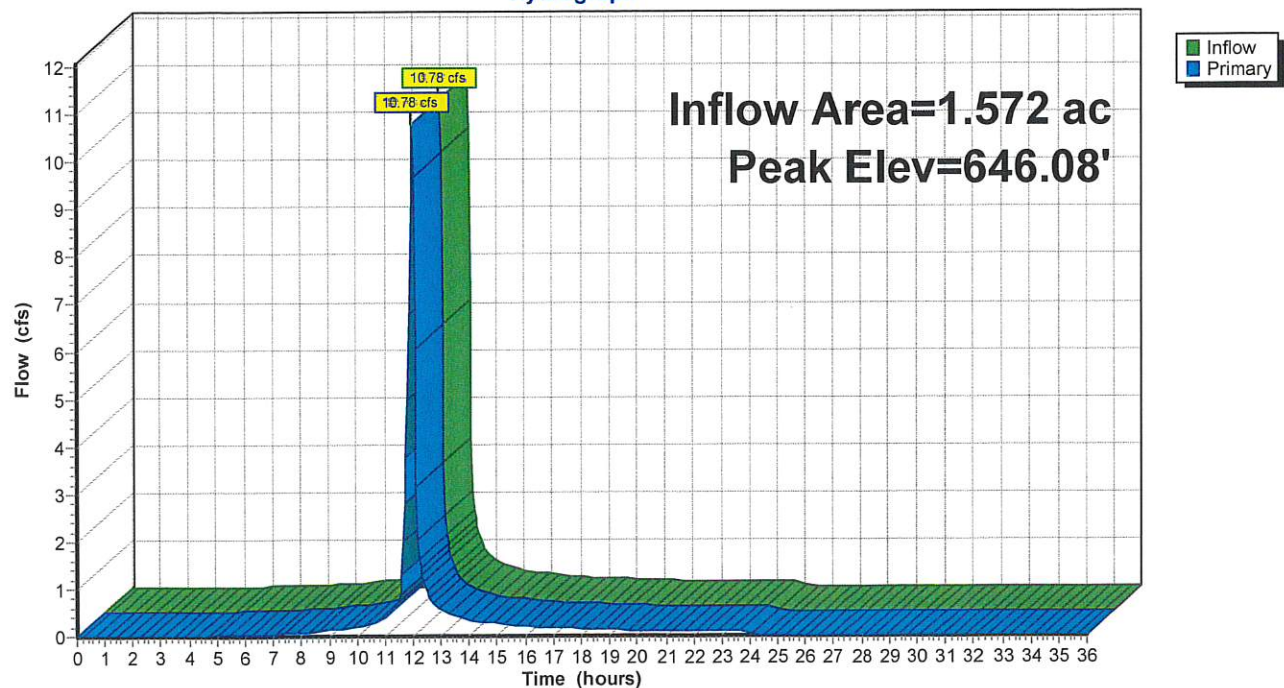
Pond 13bP: CB7

Stage-Discharge



Pond 13P: CB5

Hydrograph



Runoff

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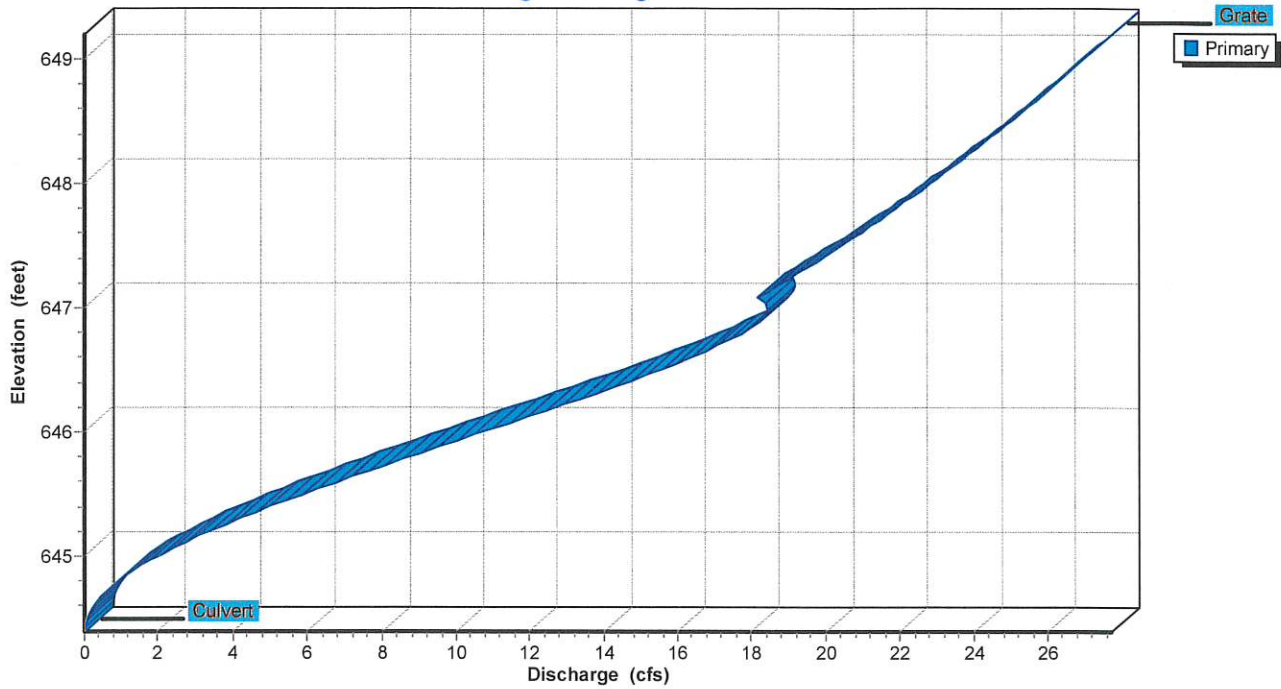
Brookhollow Senior Apartments
Type II 24-hr 25yr/24hr Rainfall=6.05"

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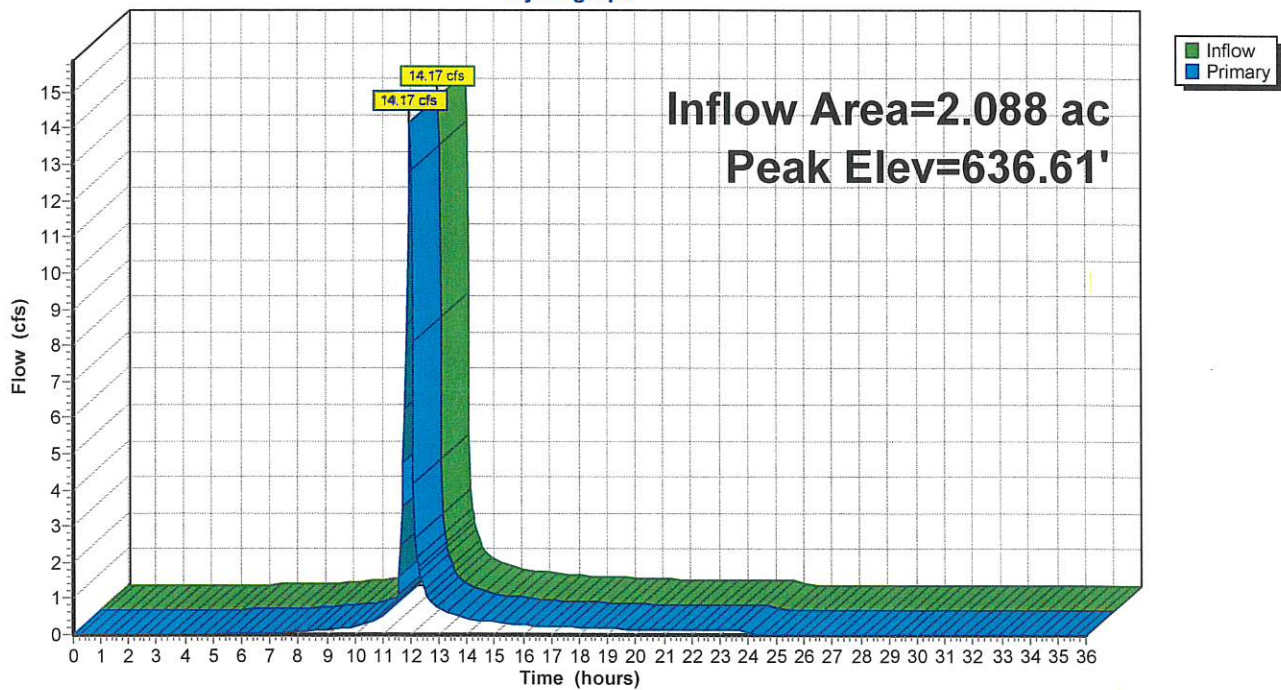
Pond 13P: CB5

Stage-Discharge



Pond 14P: CB8

Hydrograph



Runoff

Prepared by {enter your company name here}

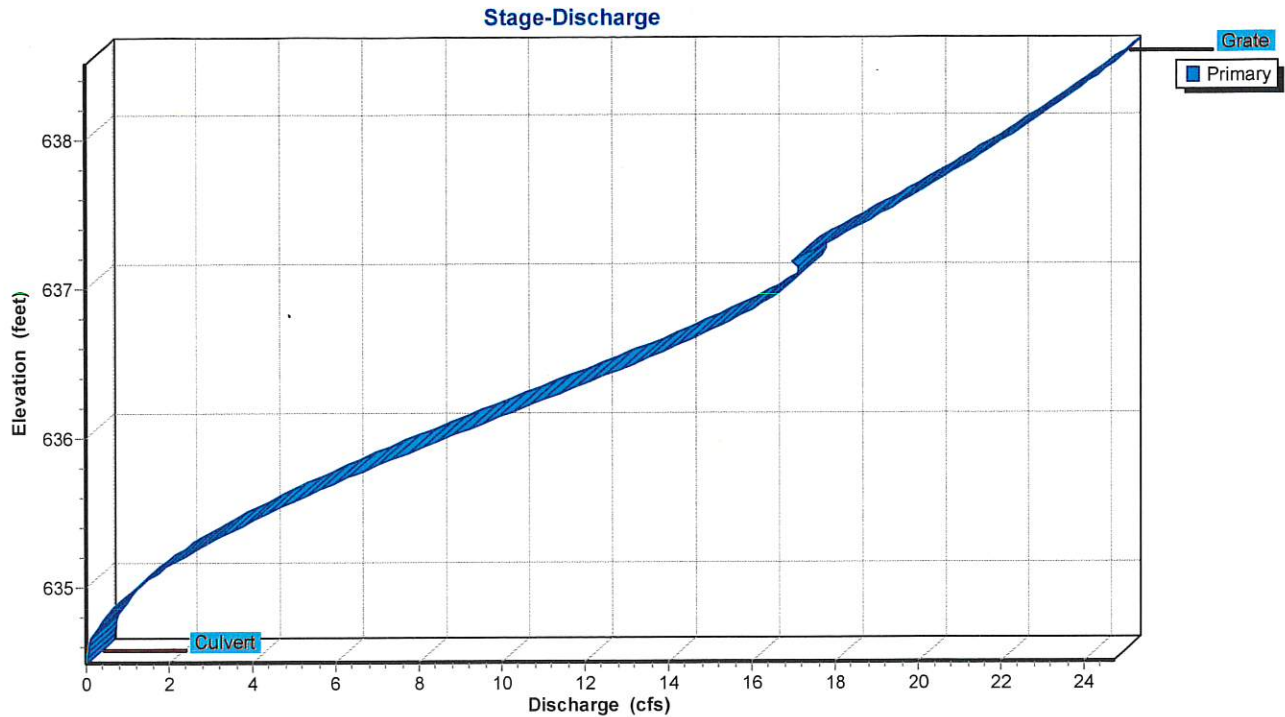
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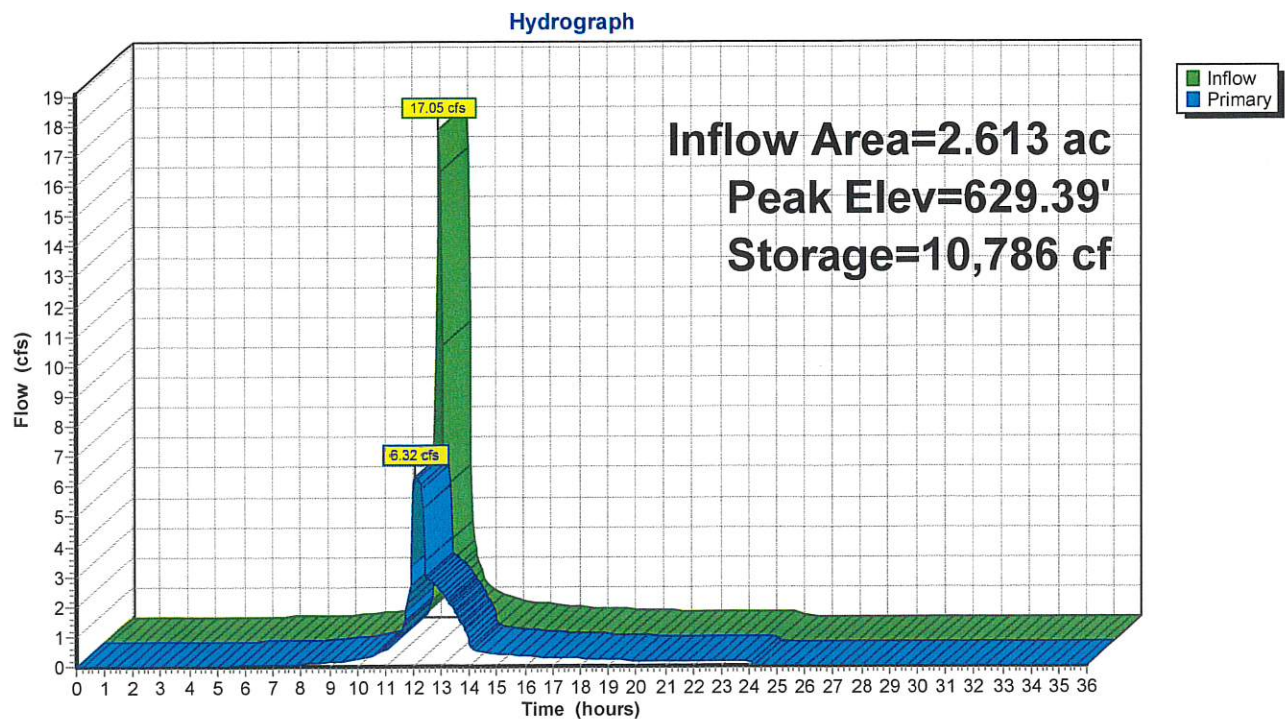
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Pond 14P: CB8



Pond 15P: Detention Basin



Runoff

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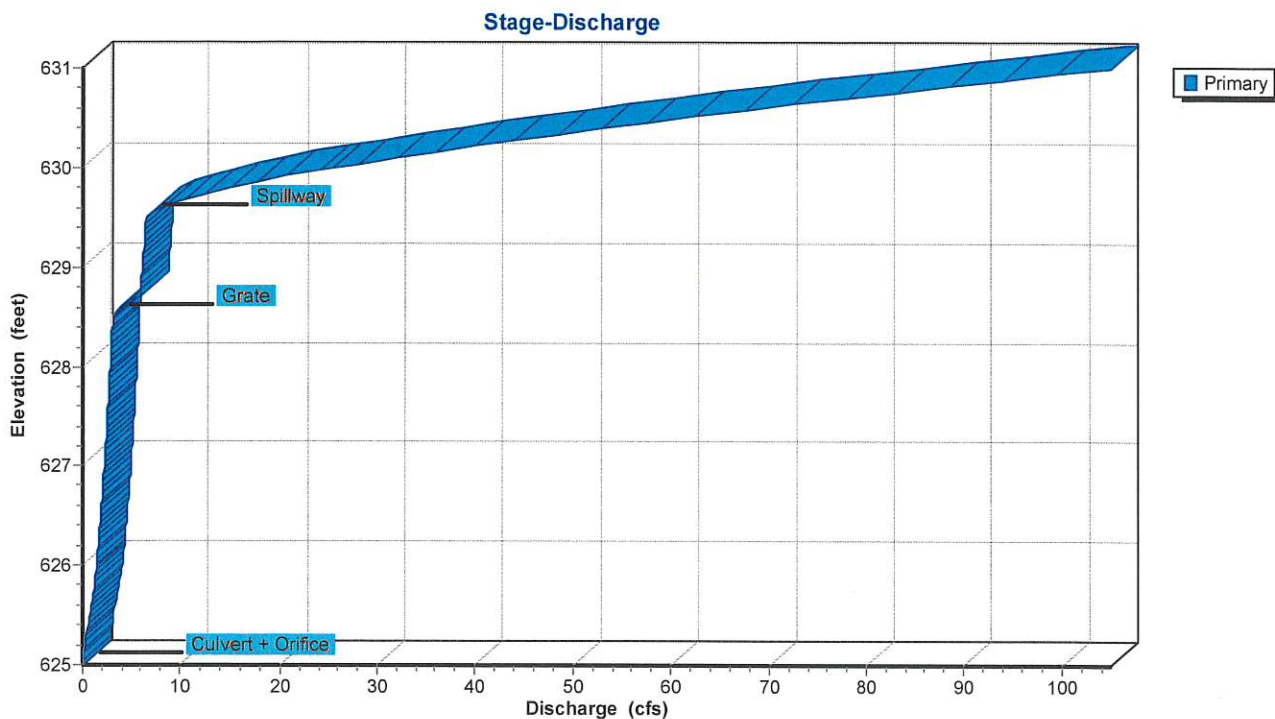
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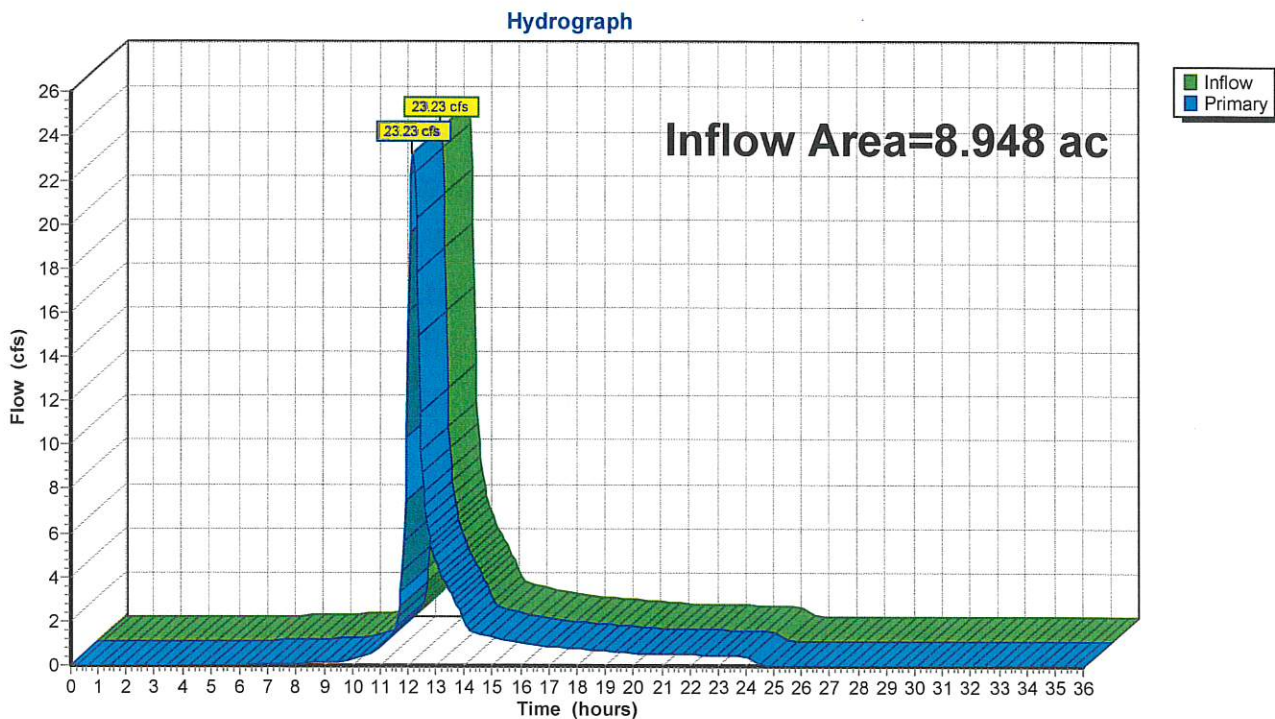
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Pond 15P: Detention Basin



Link 16L: Site Outfall



Runoff

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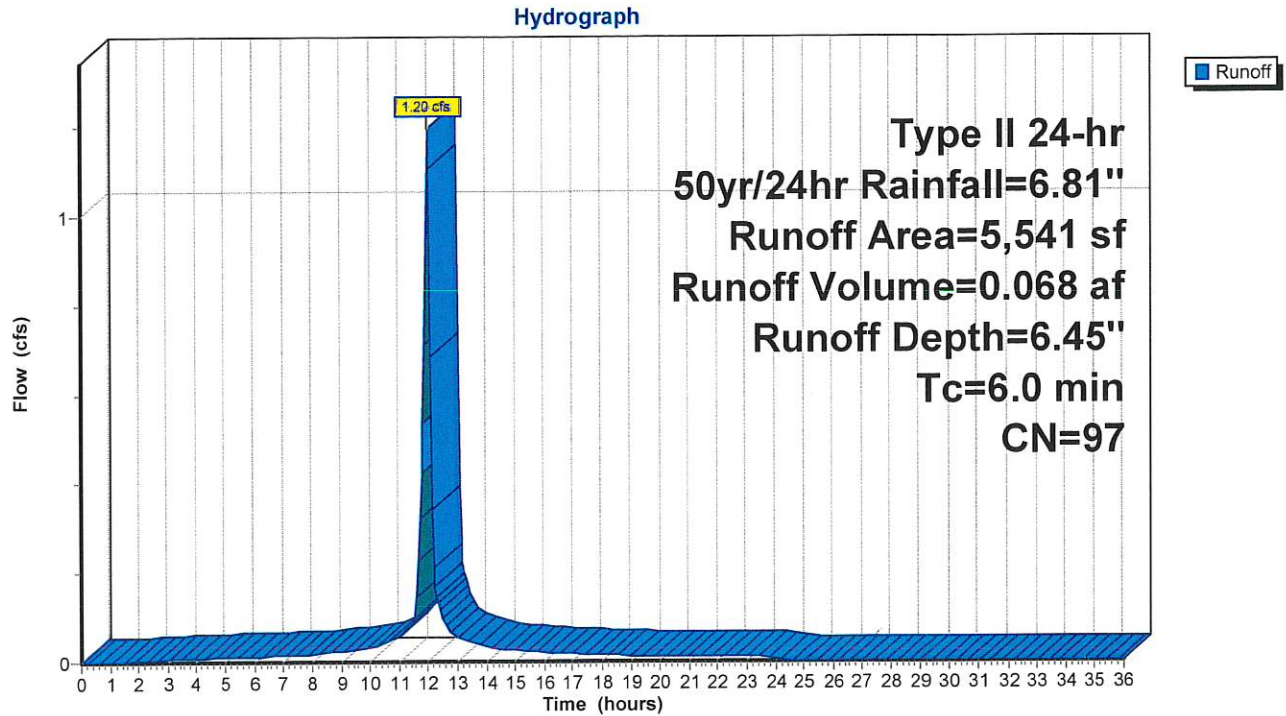
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Brookhollow Senior Apartments
Type II 24-hr 50yr/24hr Rainfall=6.81"

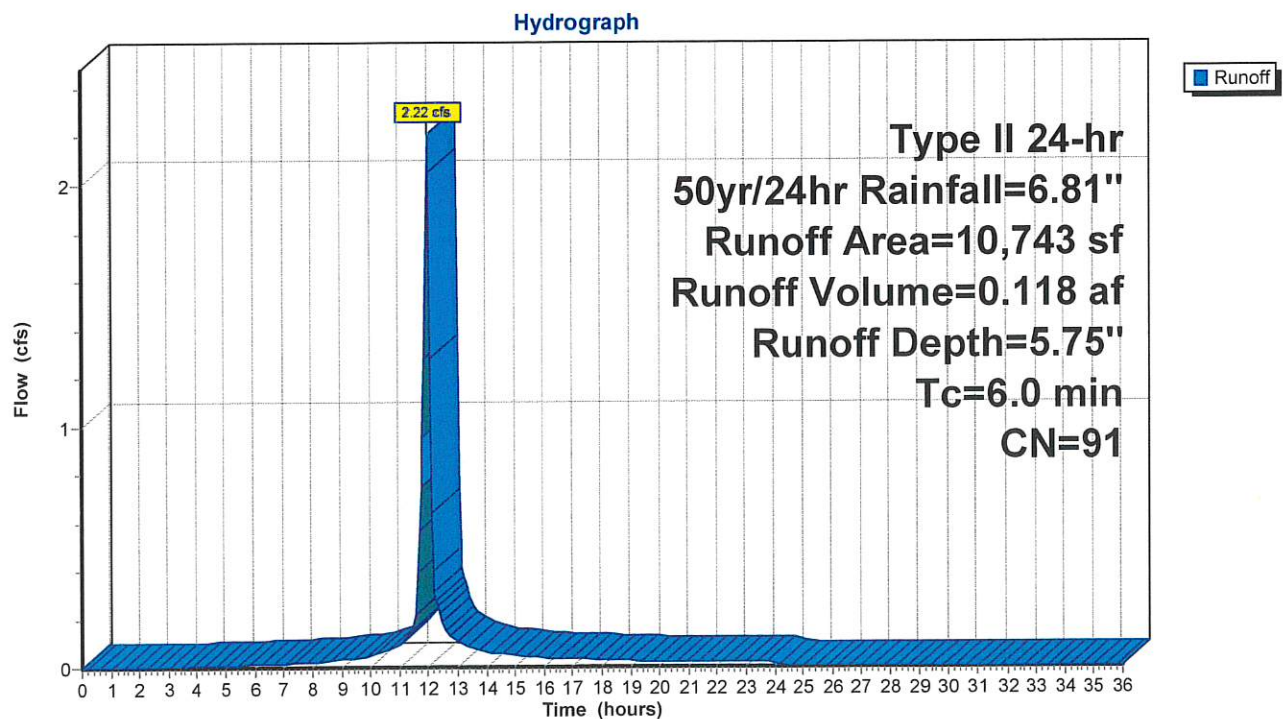
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Subcatchment 1S: To CB1



Subcatchment 2S: To CB2



Runoff

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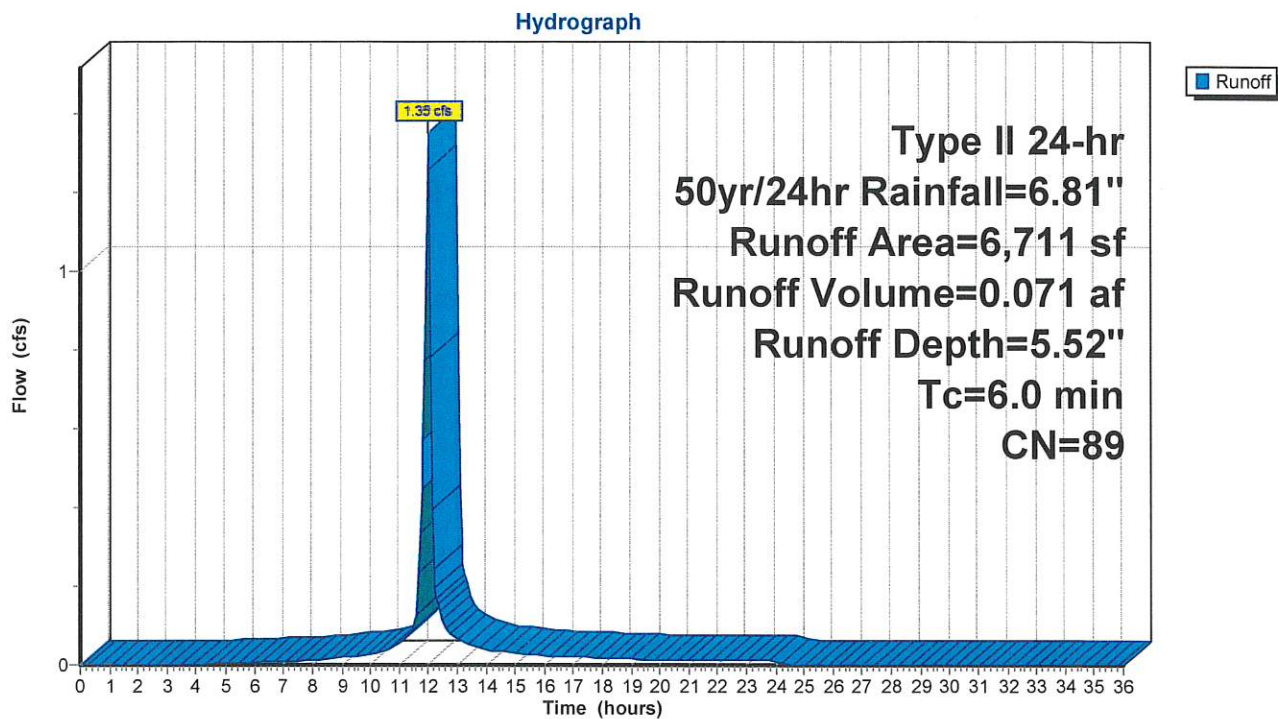
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Type II 24-hr 50yr/24hr Rainfall=6.81"

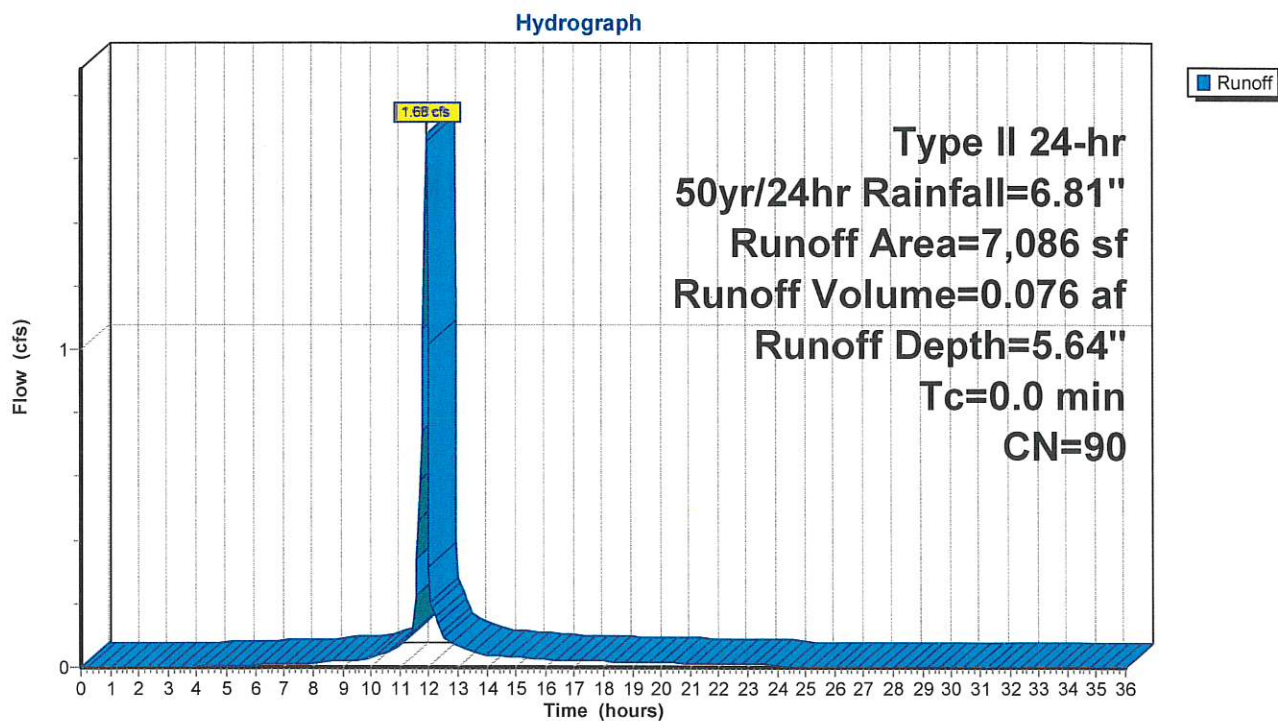
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Subcatchment 3S: To CB3



Subcatchment 4S: To CB4



Runoff

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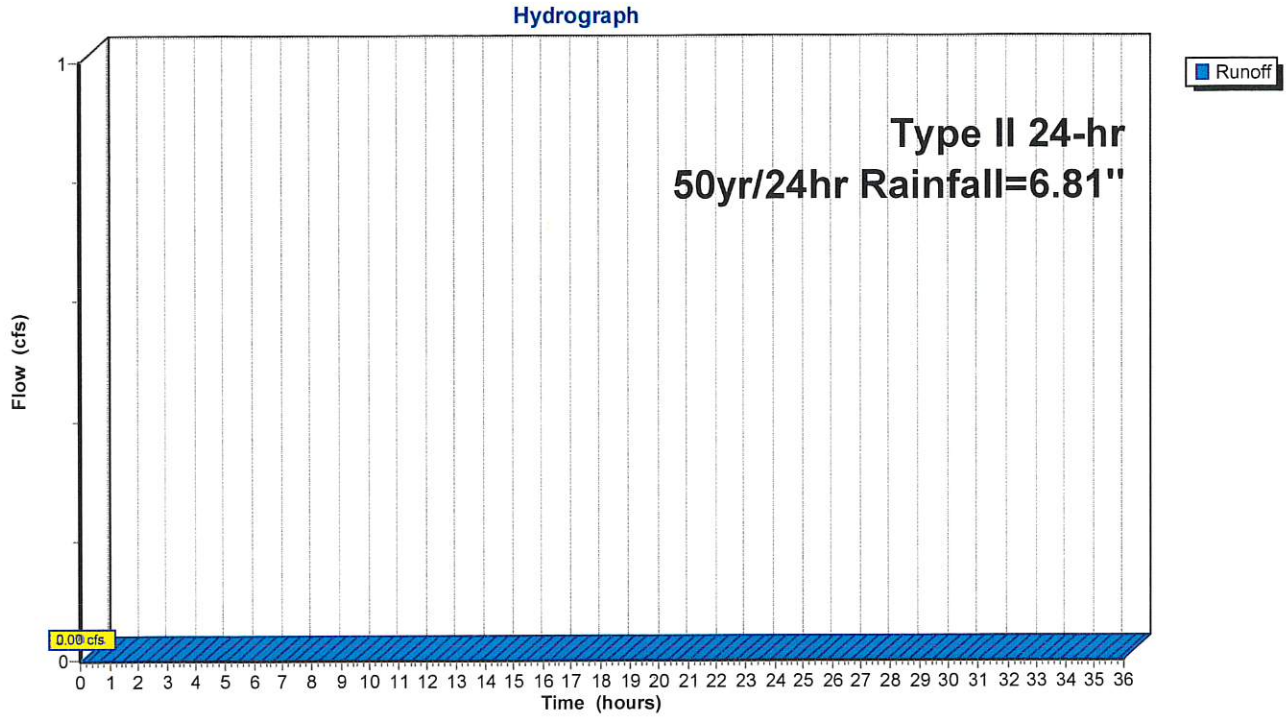
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Brookhollow Senior Apartments
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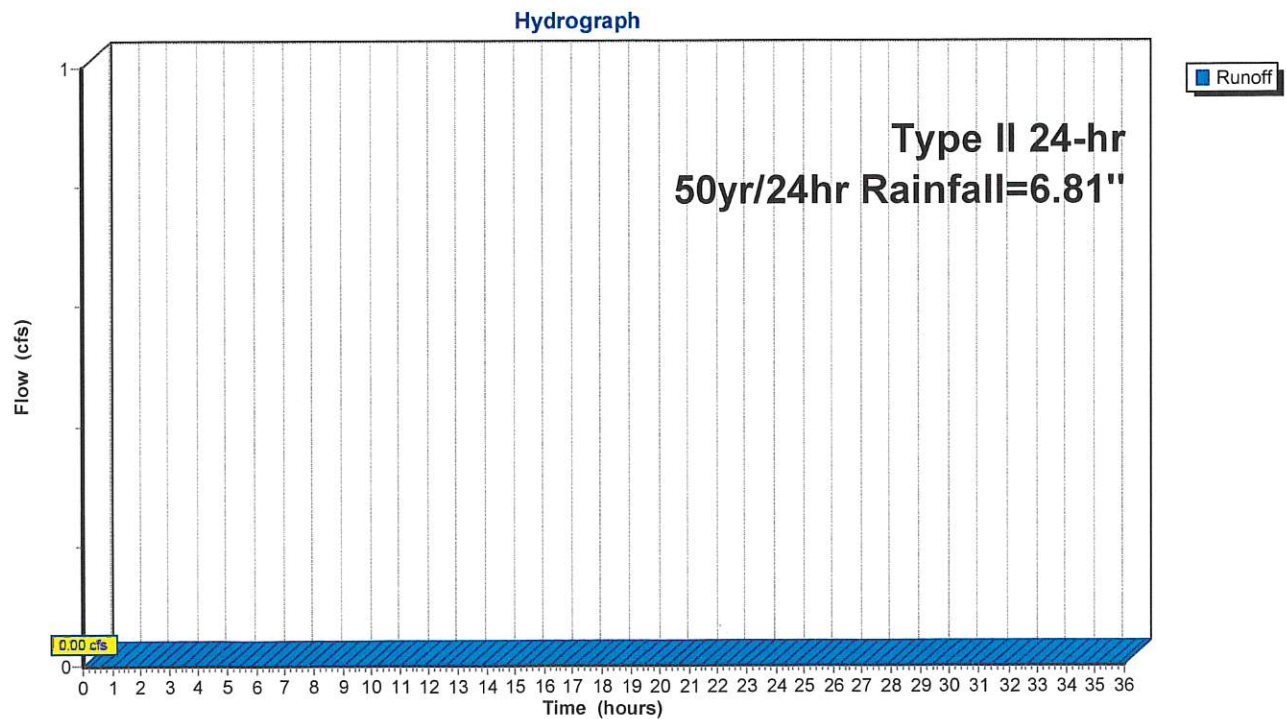
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Subcatchment 5aS: To CB5



Subcatchment 5bS: To CB5



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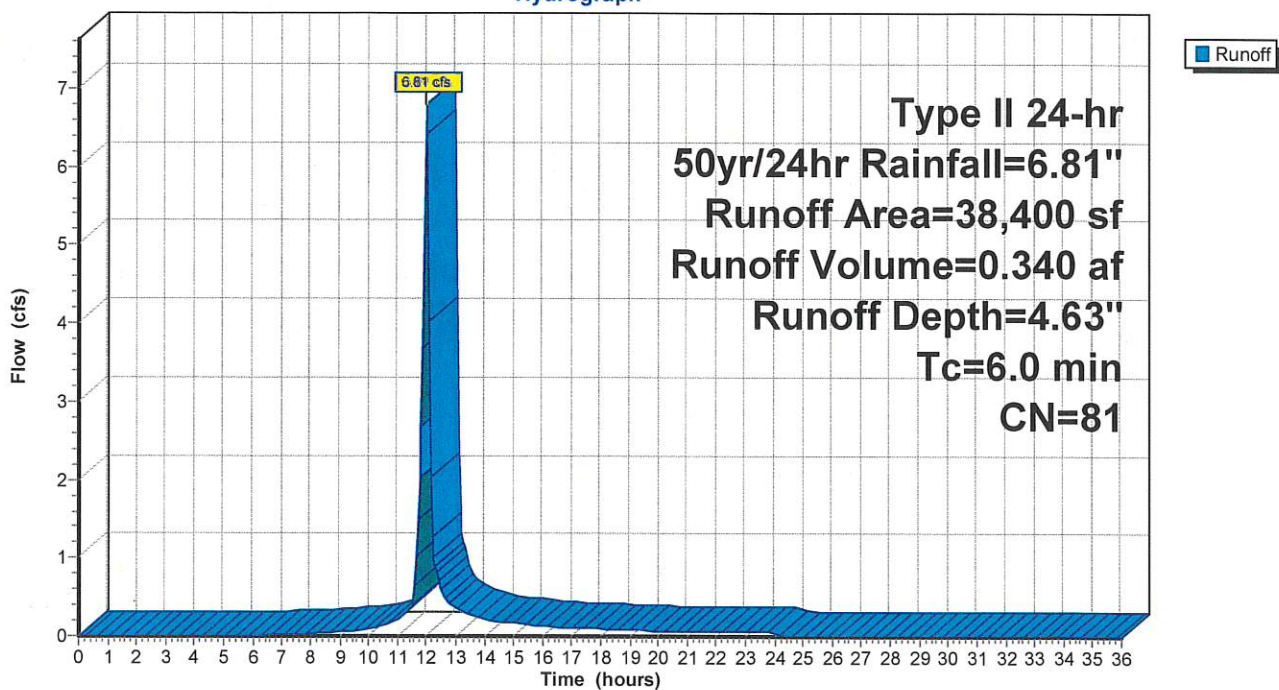
Brookhollow Senior Apartments
Type II 24-hr 50yr/24hr Rainfall=6.81"

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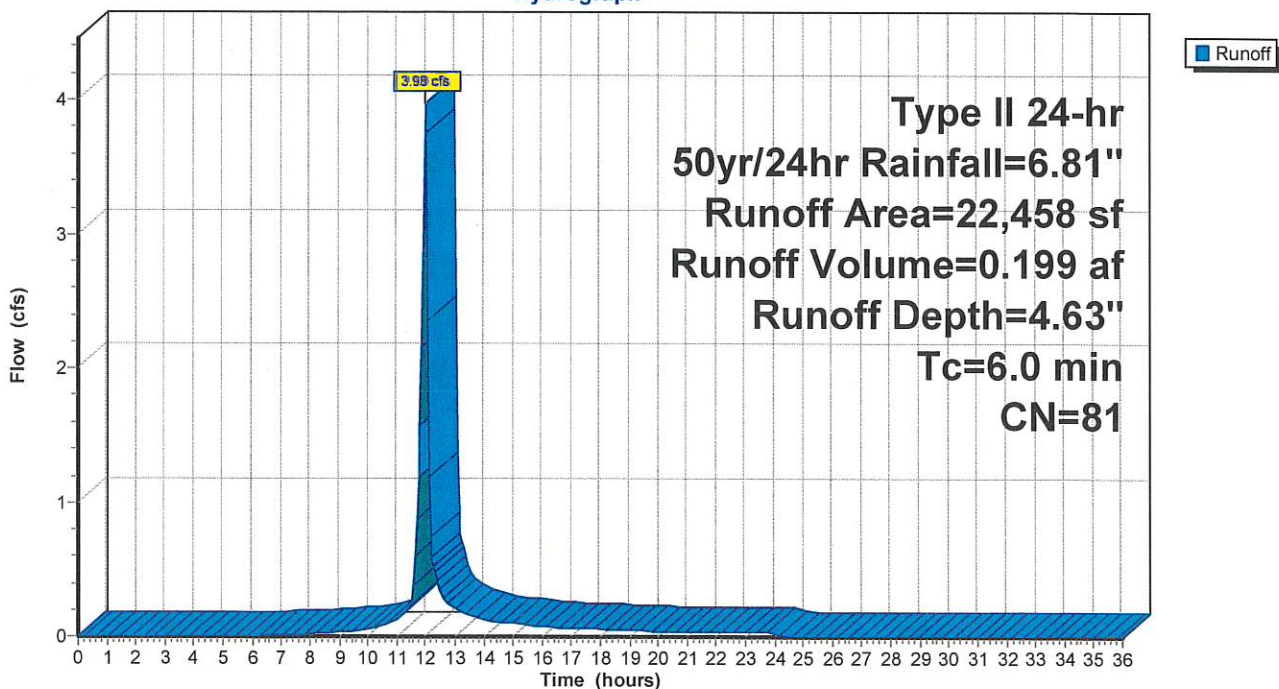
Subcatchment 5S: To CB5

Hydrograph



Subcatchment 6S: To CB6

Hydrograph



Runoff

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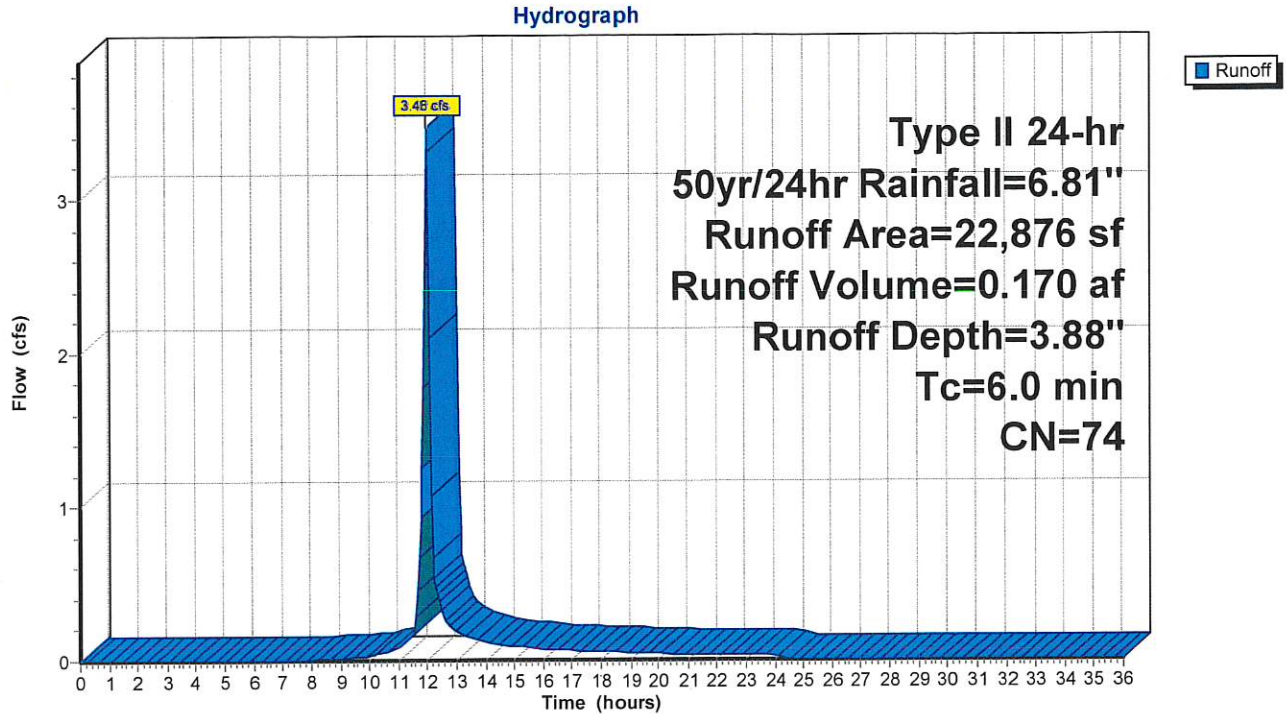
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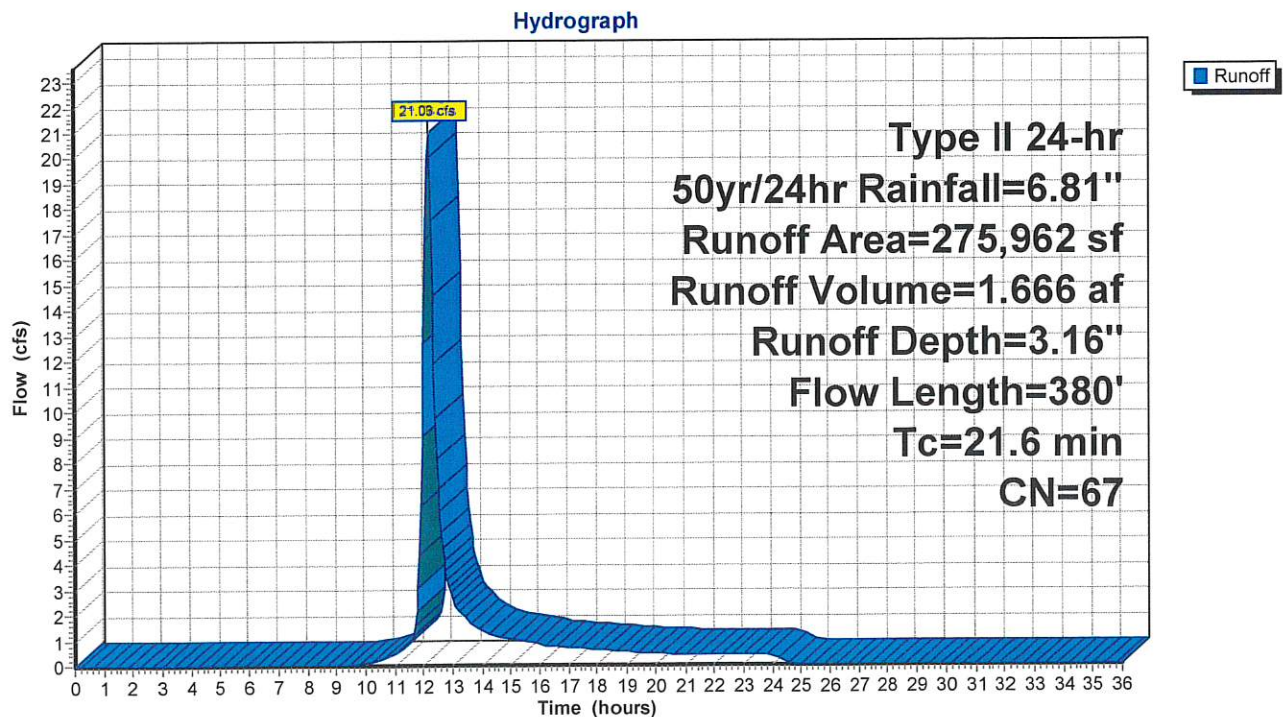
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Subcatchment 7S: To Basin



Subcatchment 8S: Bypassing



Runoff

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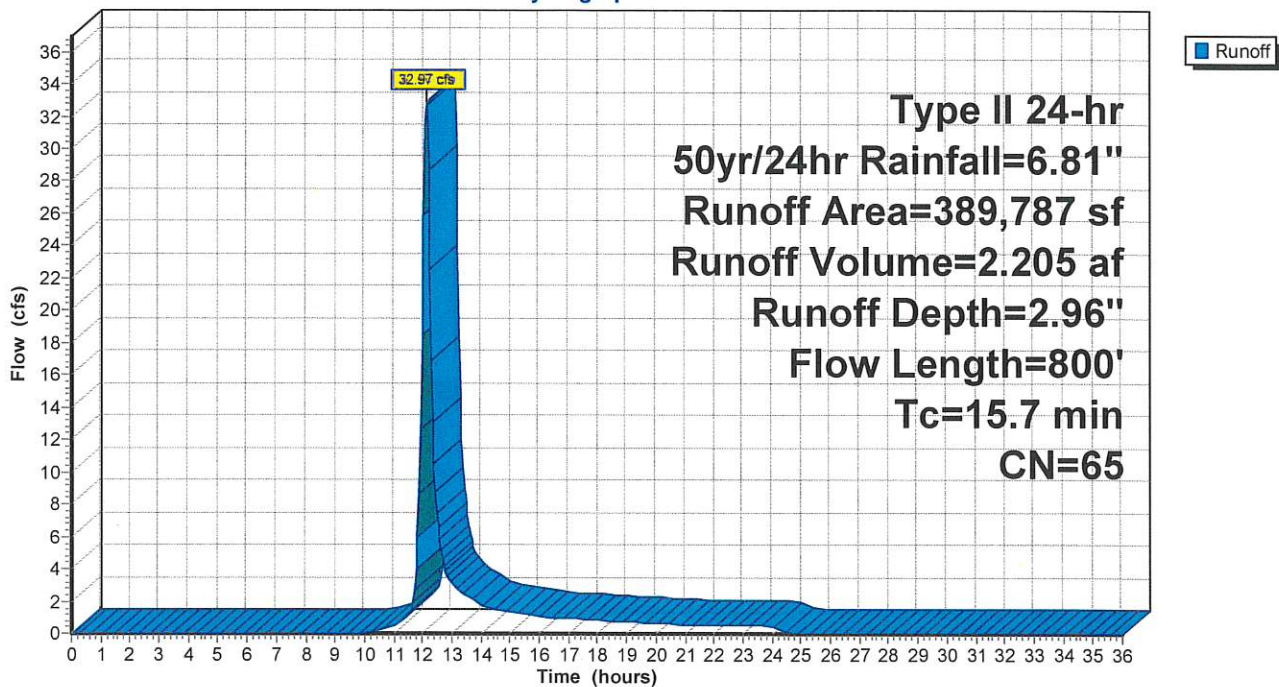
Brookhollow Senior Apartments
Type II 24-hr 50yr/24hr Rainfall=6.81"

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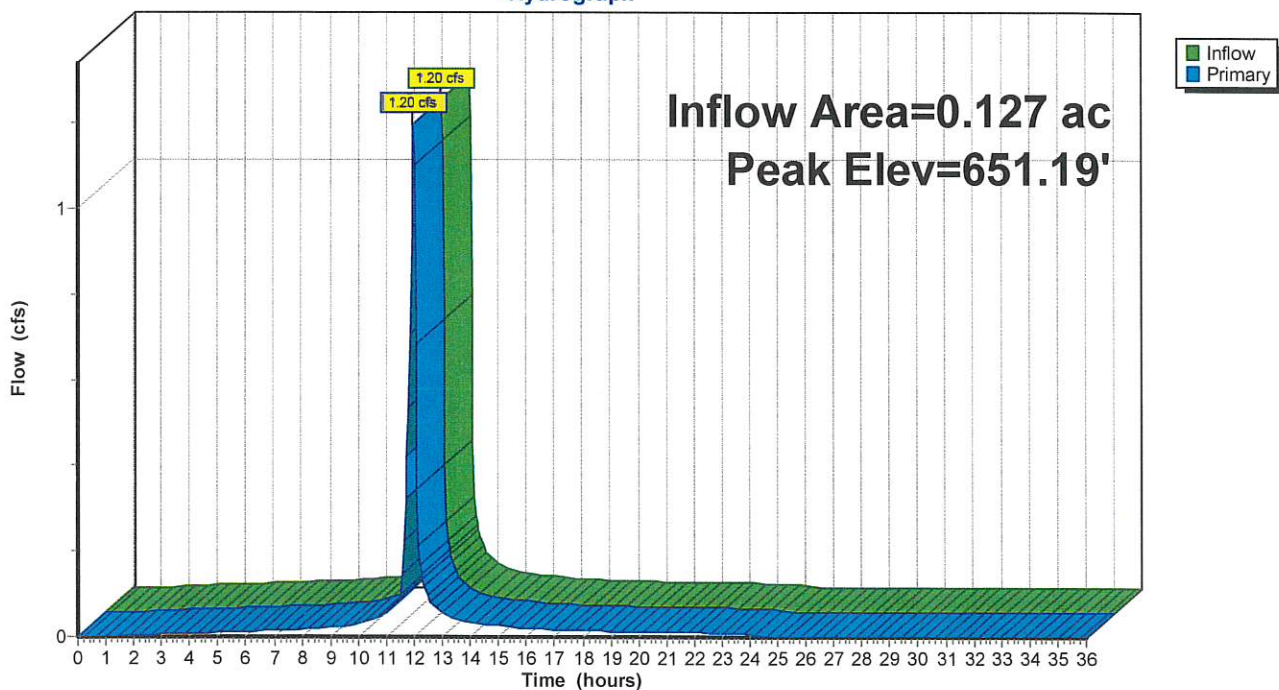
Subcatchment OS: To Outfall

Hydrograph



Pond 9P: CB1

Hydrograph



Runoff

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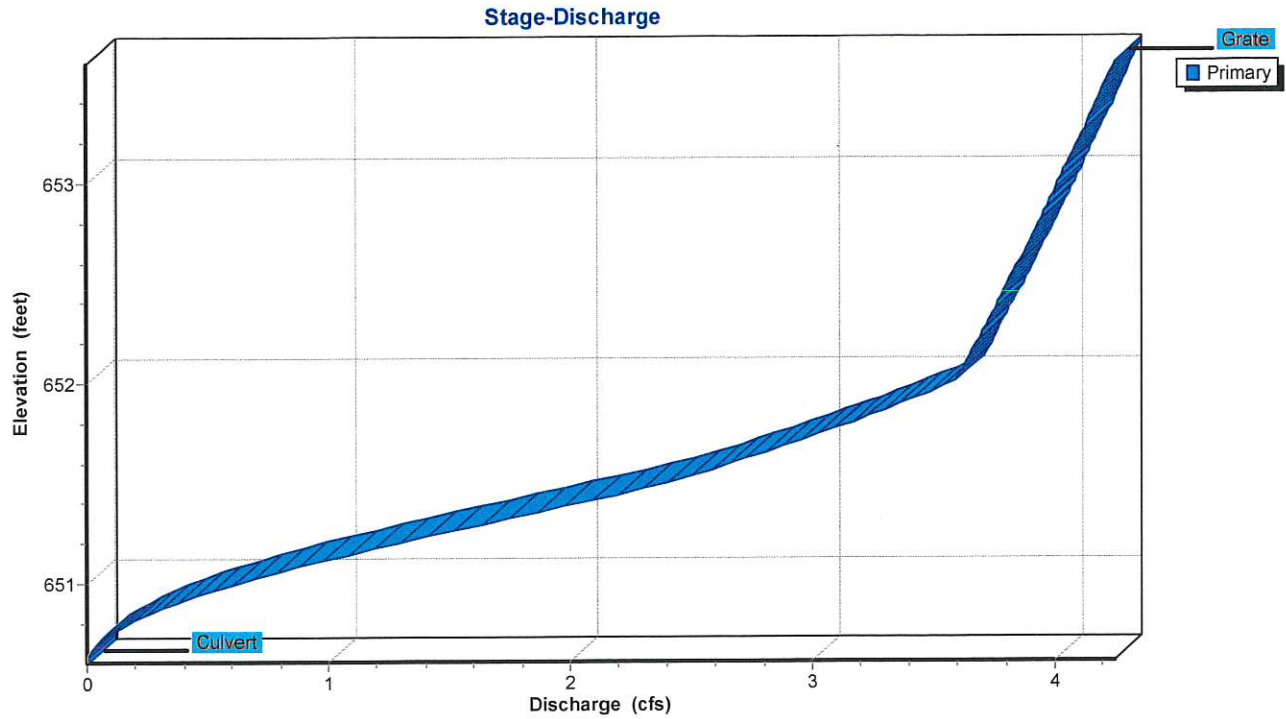
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Type II 24-hr 50yr/24hr Rainfall=6.81"

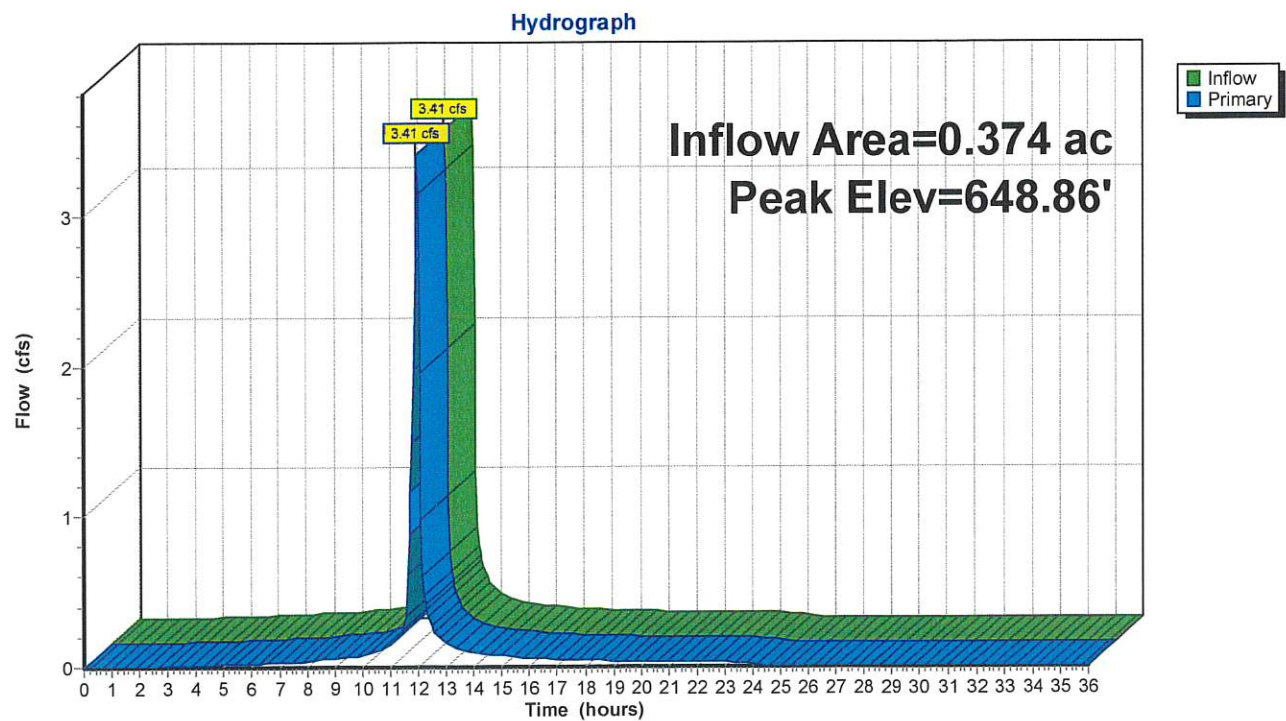
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Pond 9P: CB1



Pond 10P: CB2



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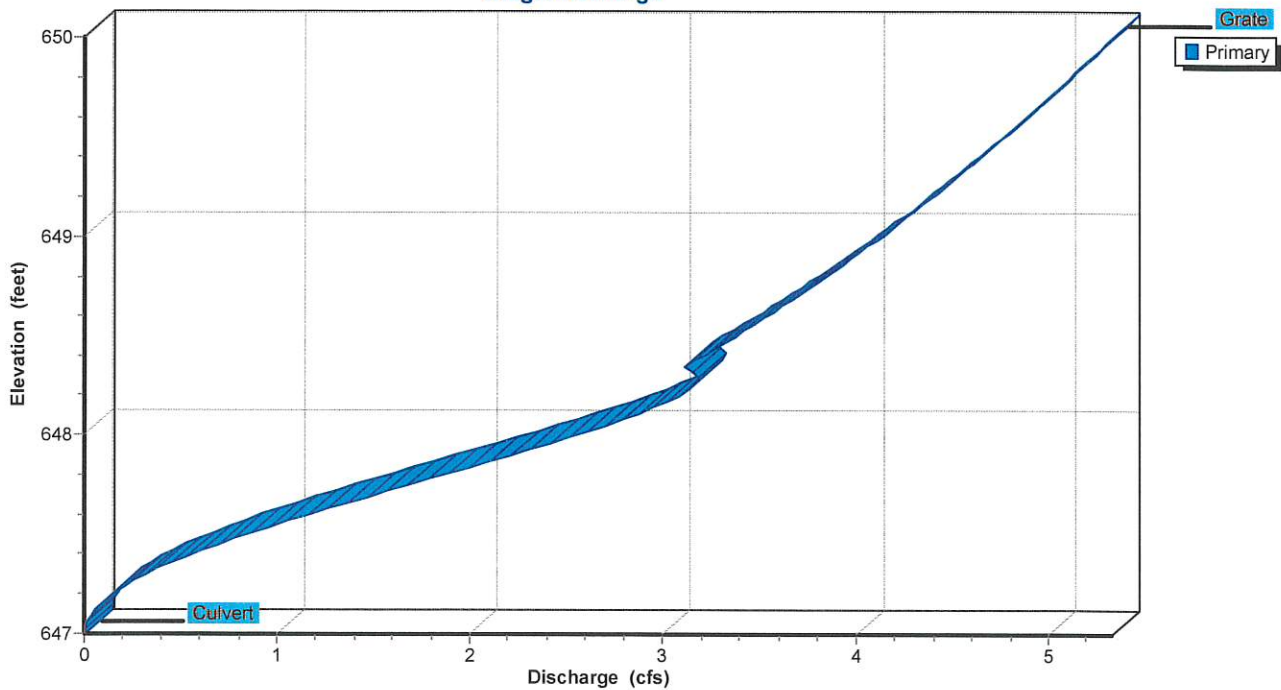
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Type II 24-hr 50yr/24hr Rainfall=6.81"

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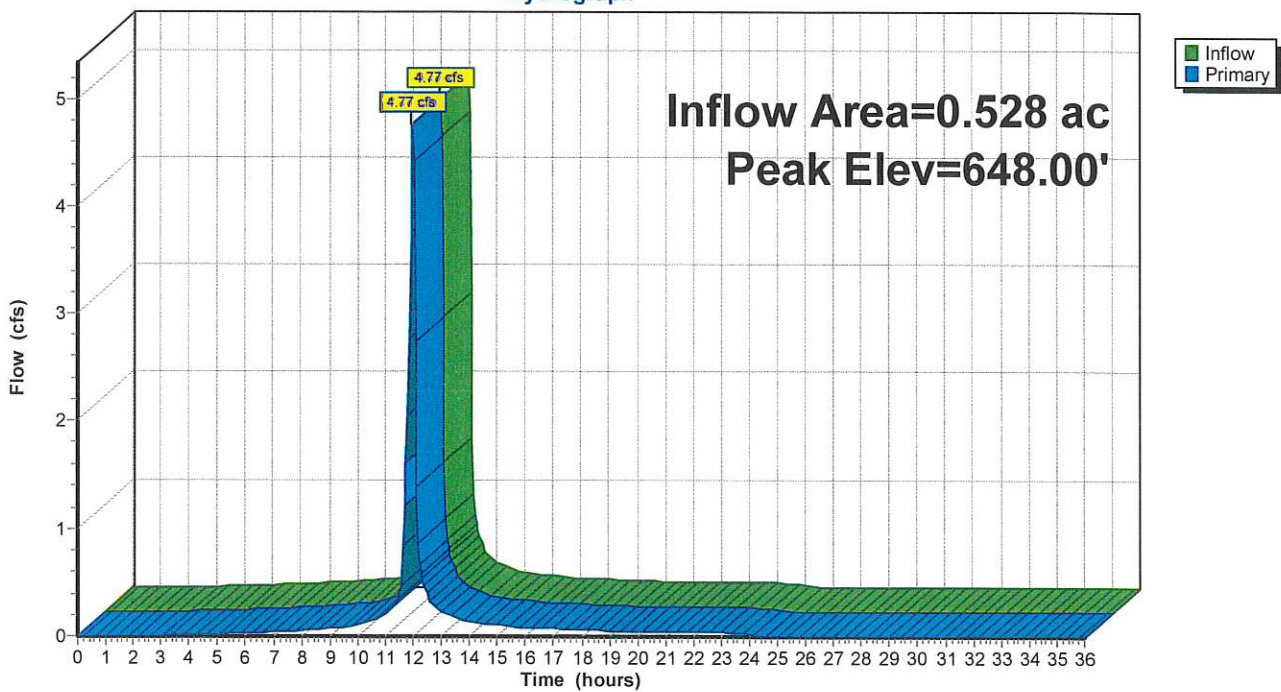
Pond 10P: CB2

Stage-Discharge



Pond 11P: CB3

Hydrograph



Runoff

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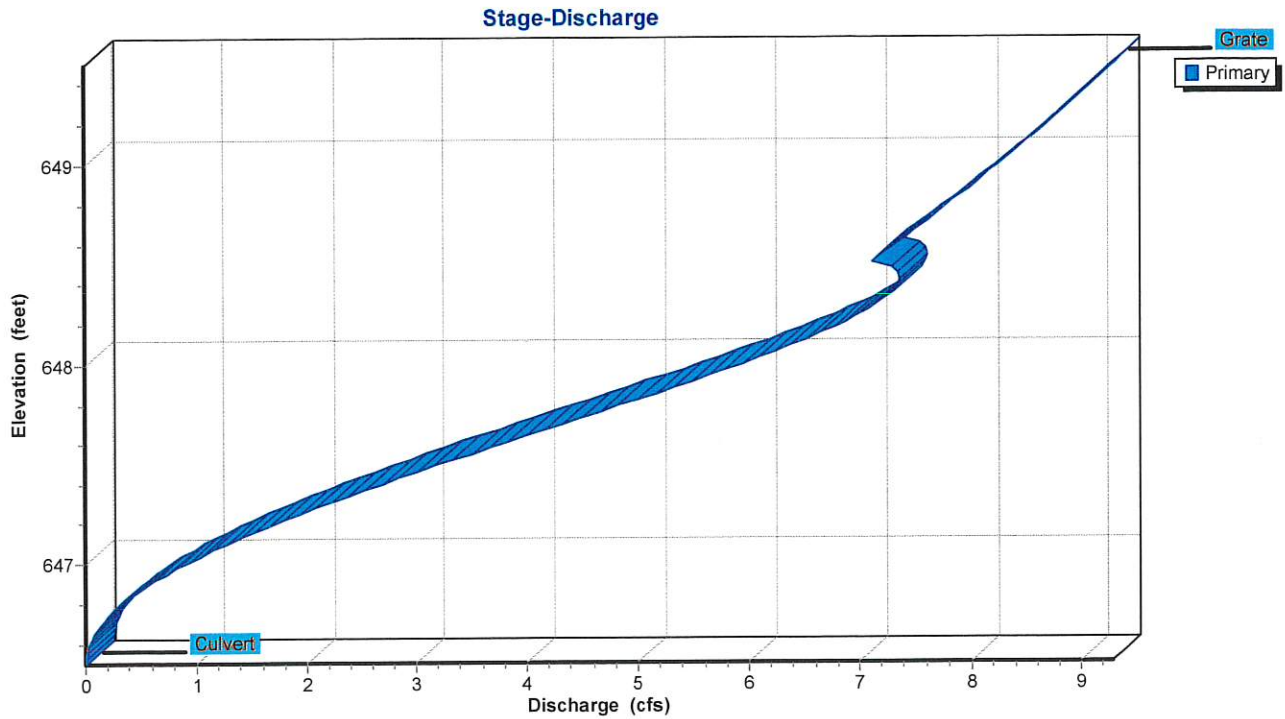
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Brookhollow Senior Apartments
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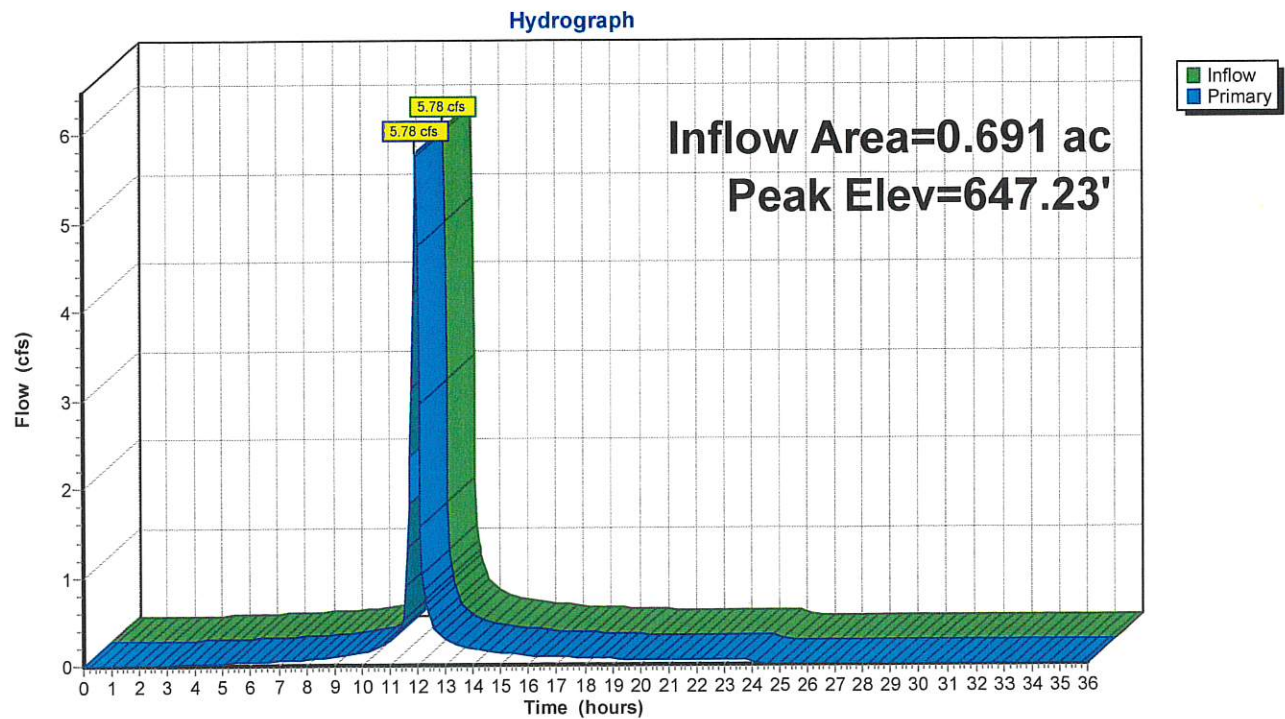
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Pond 11P: CB3



Pond 12P: CB4



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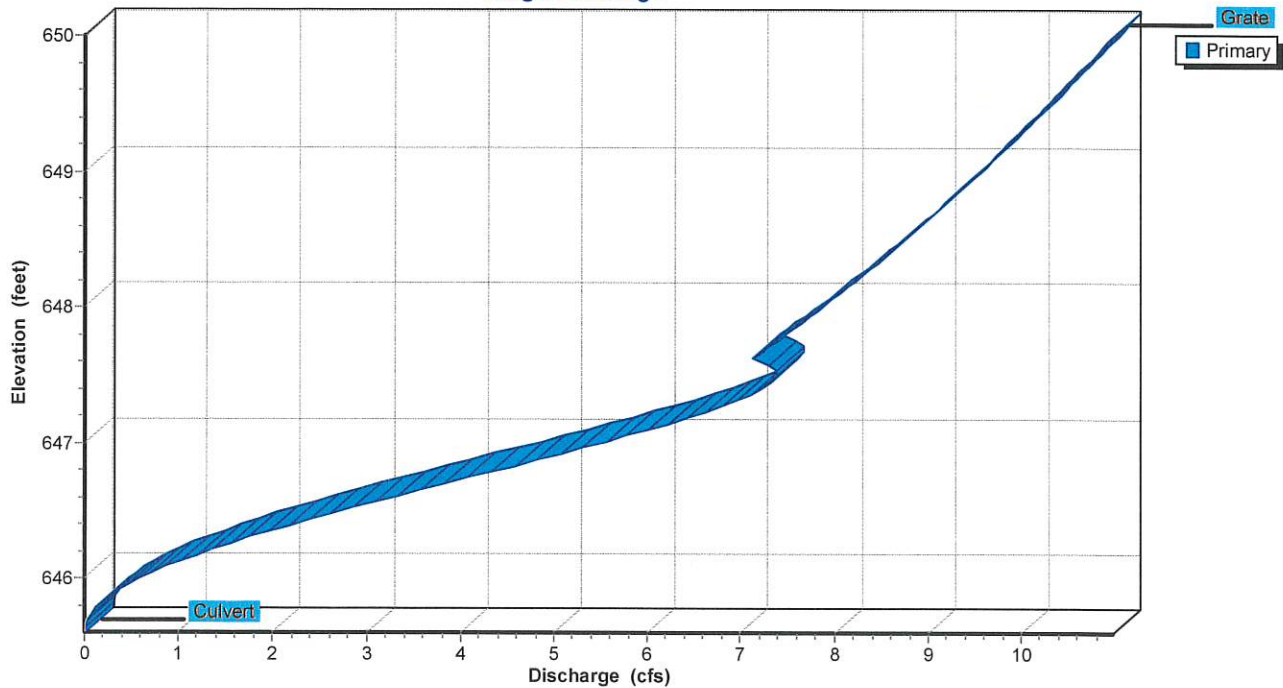
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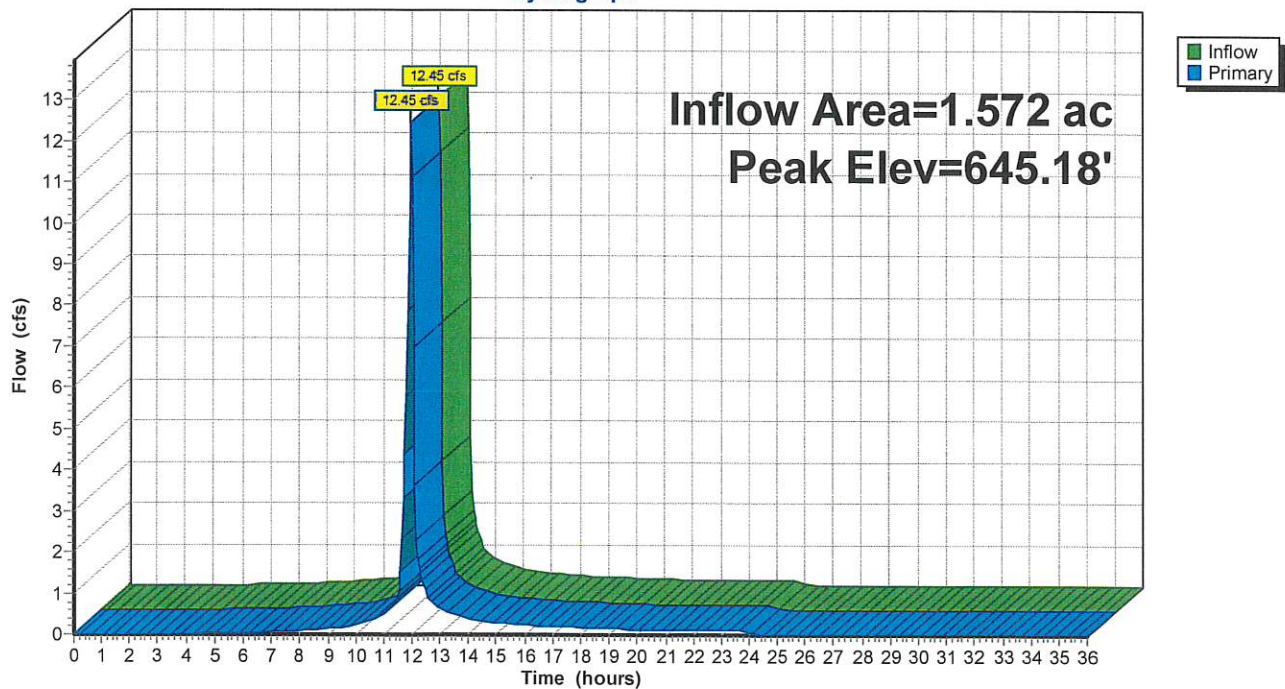
Pond 12P: CB4

Stage-Discharge



Pond 13aP: CB6

Hydrograph



Runoff

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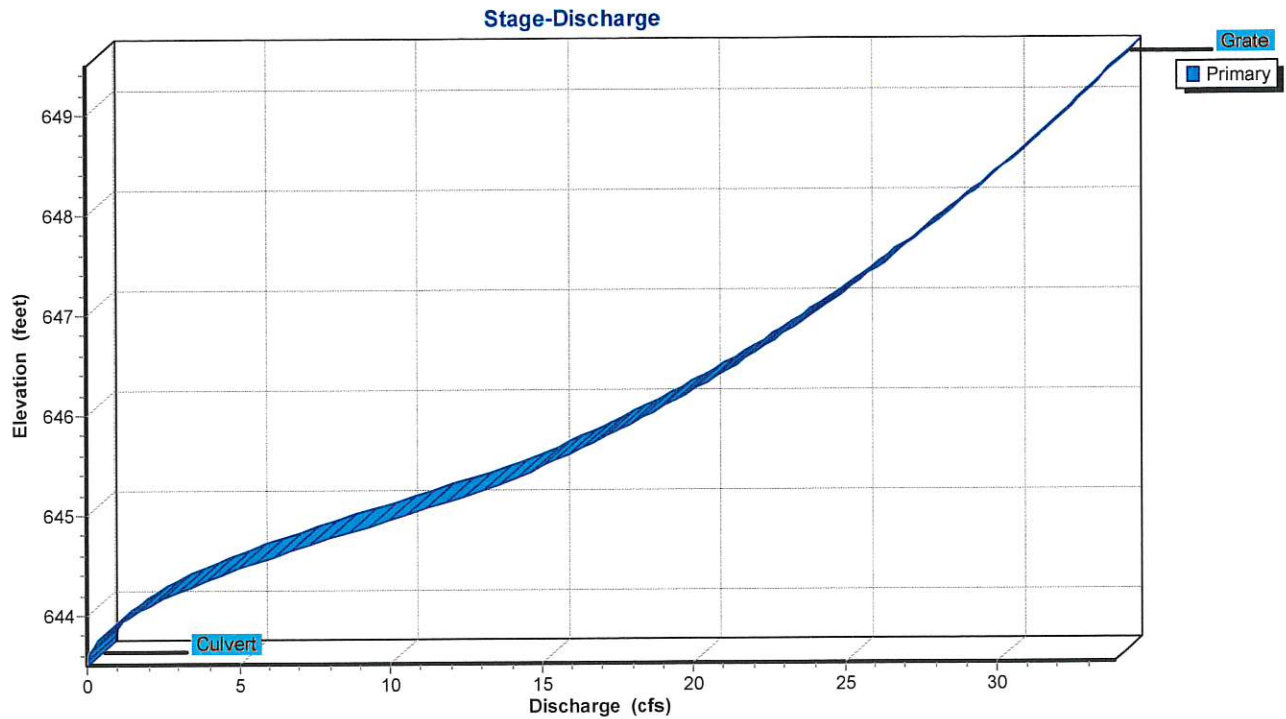
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Type II 24-hr 50yr/24hr Rainfall=6.81"

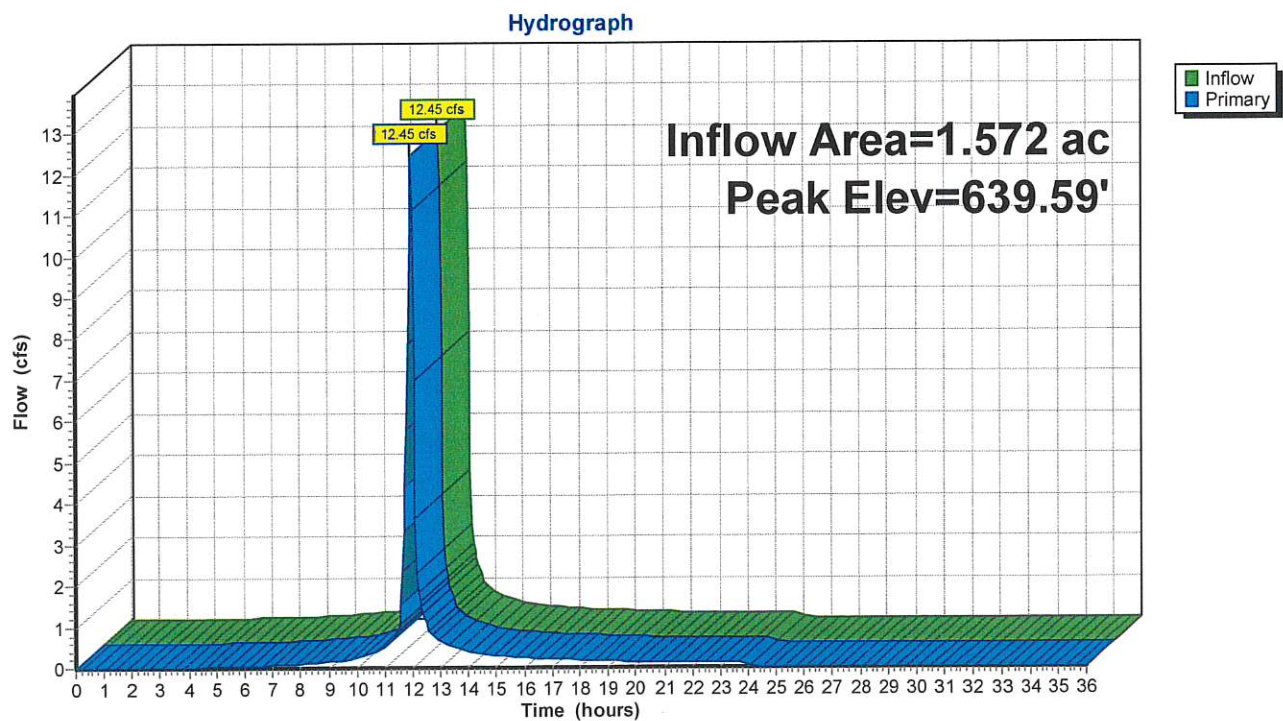
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Pond 13aP: CB6



Pond 13bP: CB7



Runoff

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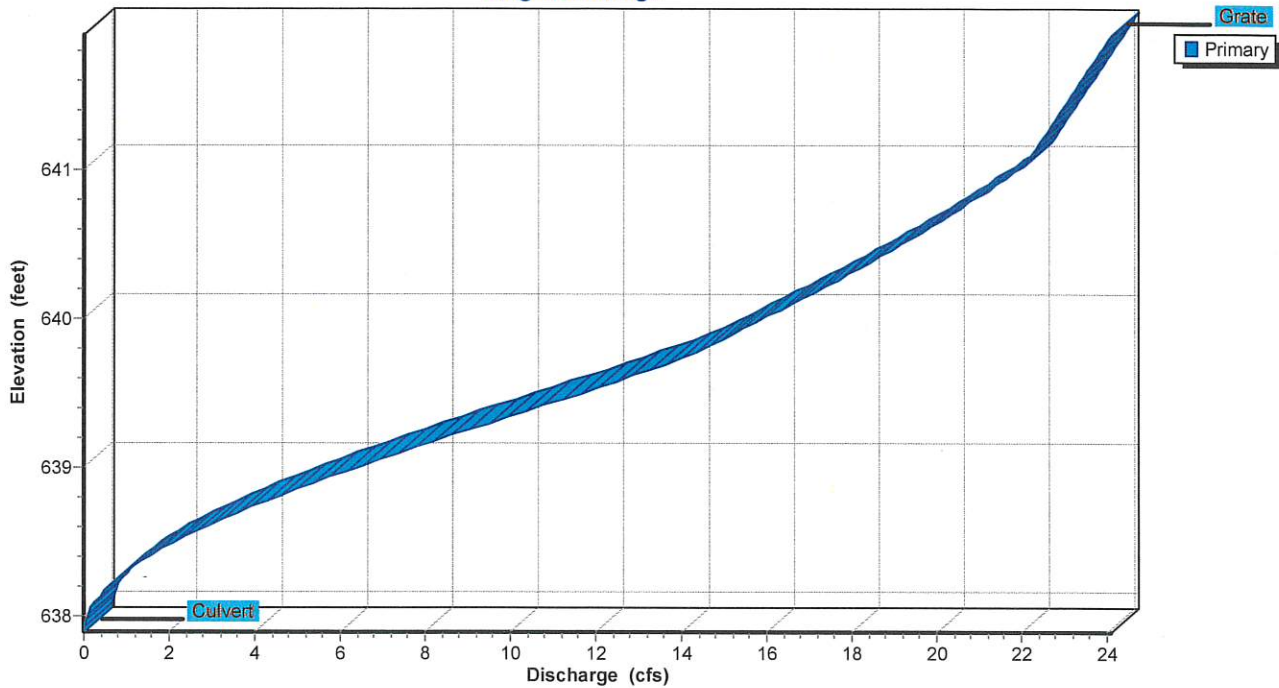
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Type II 24-hr 50yr/24hr Rainfall=6.81"

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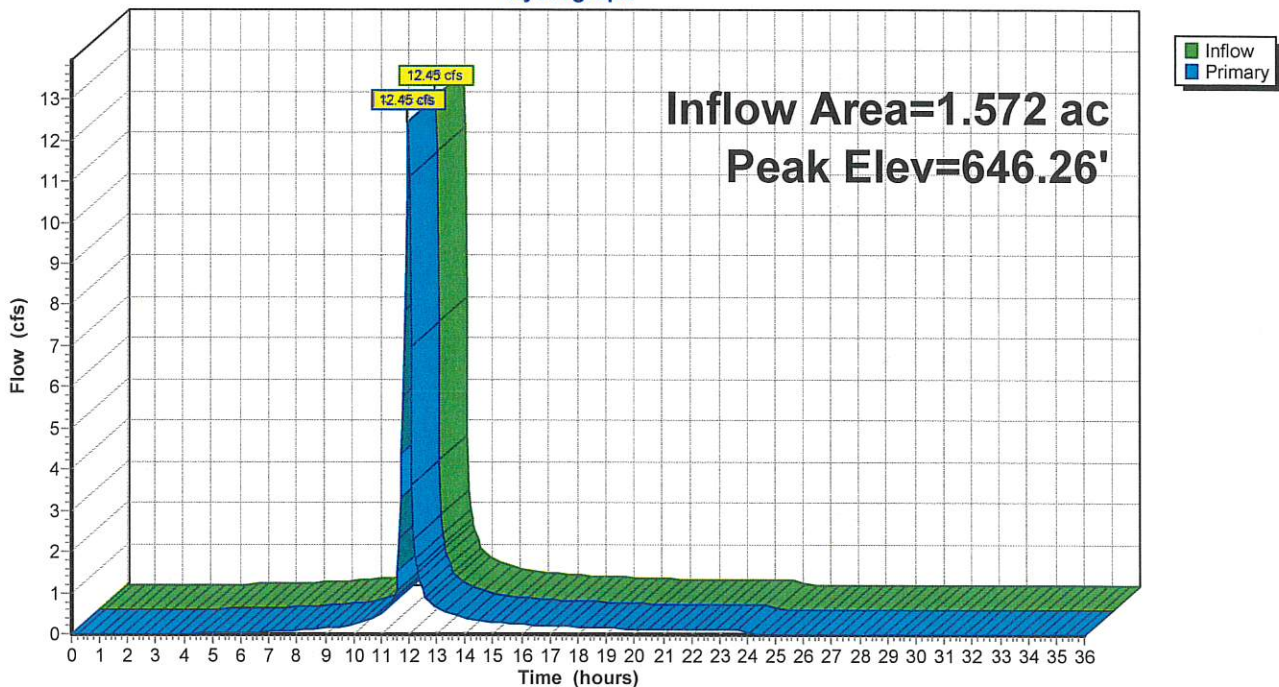
Pond 13bP: CB7

Stage-Discharge



Pond 13P: CB5

Hydrograph



Runoff

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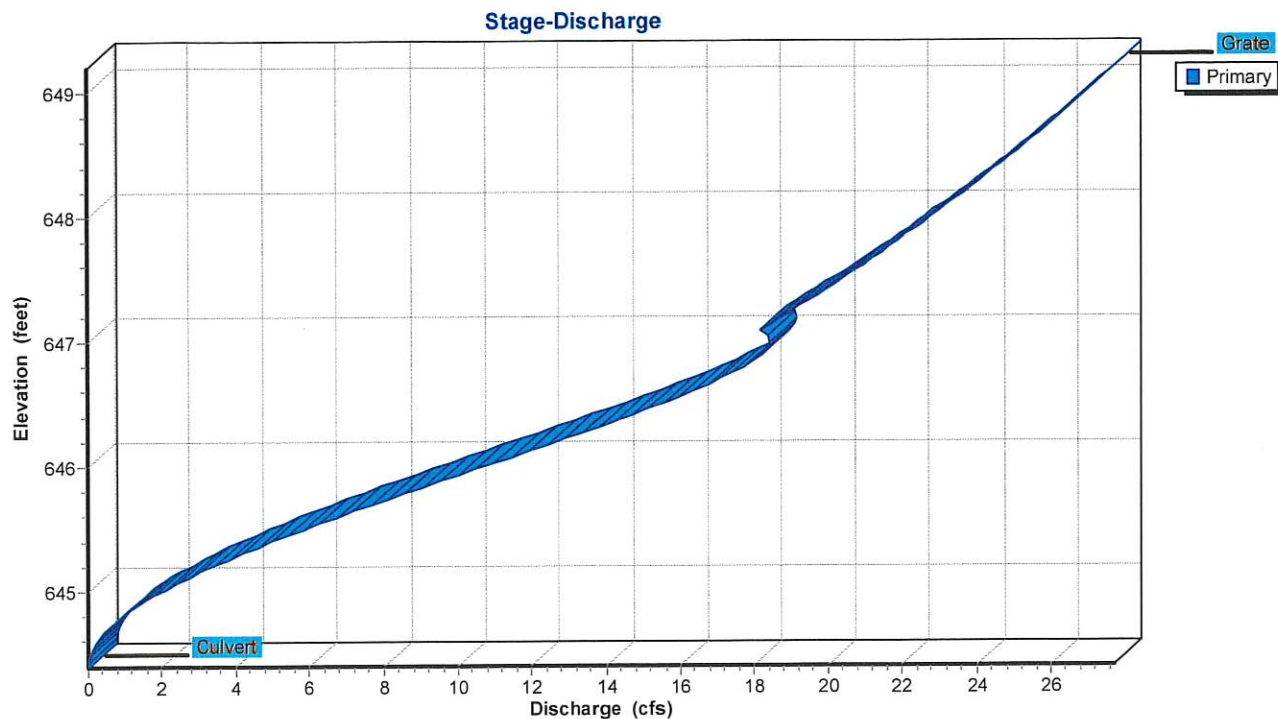
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Type II 24-hr 50yr/24hr Rainfall=6.81"

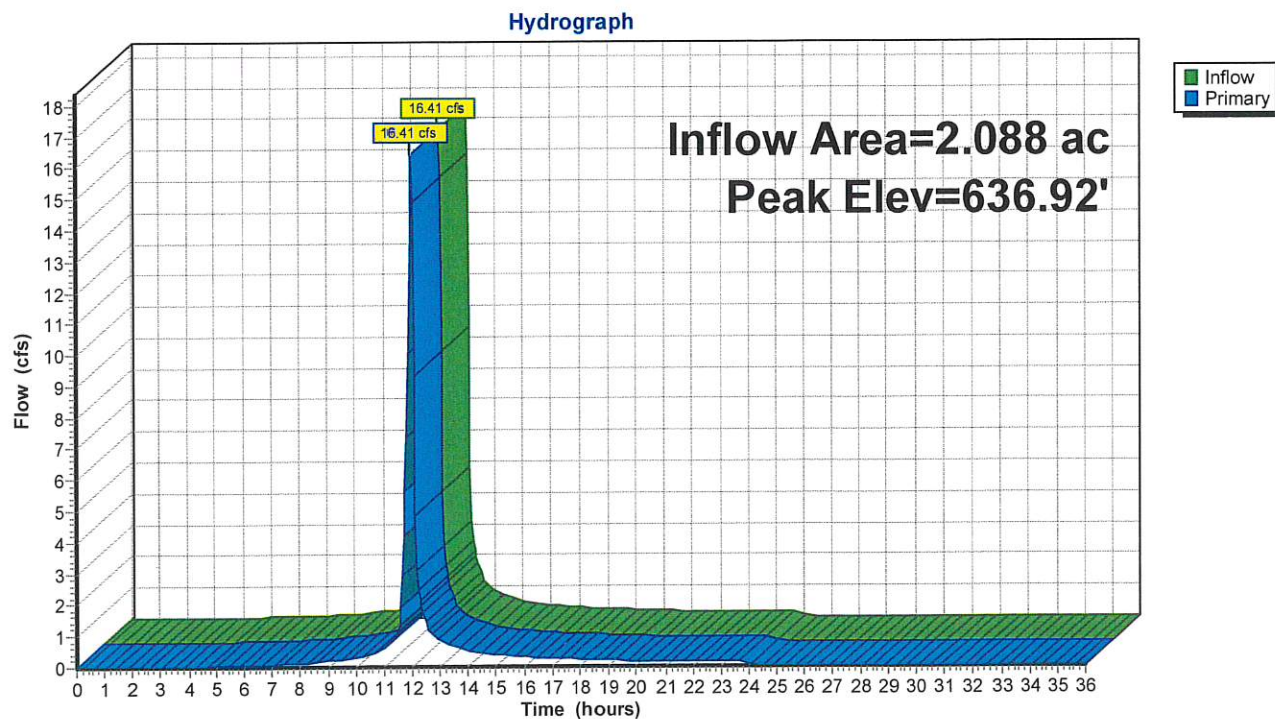
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Pond 13P: CB5



Pond 14P: CB8



Runoff

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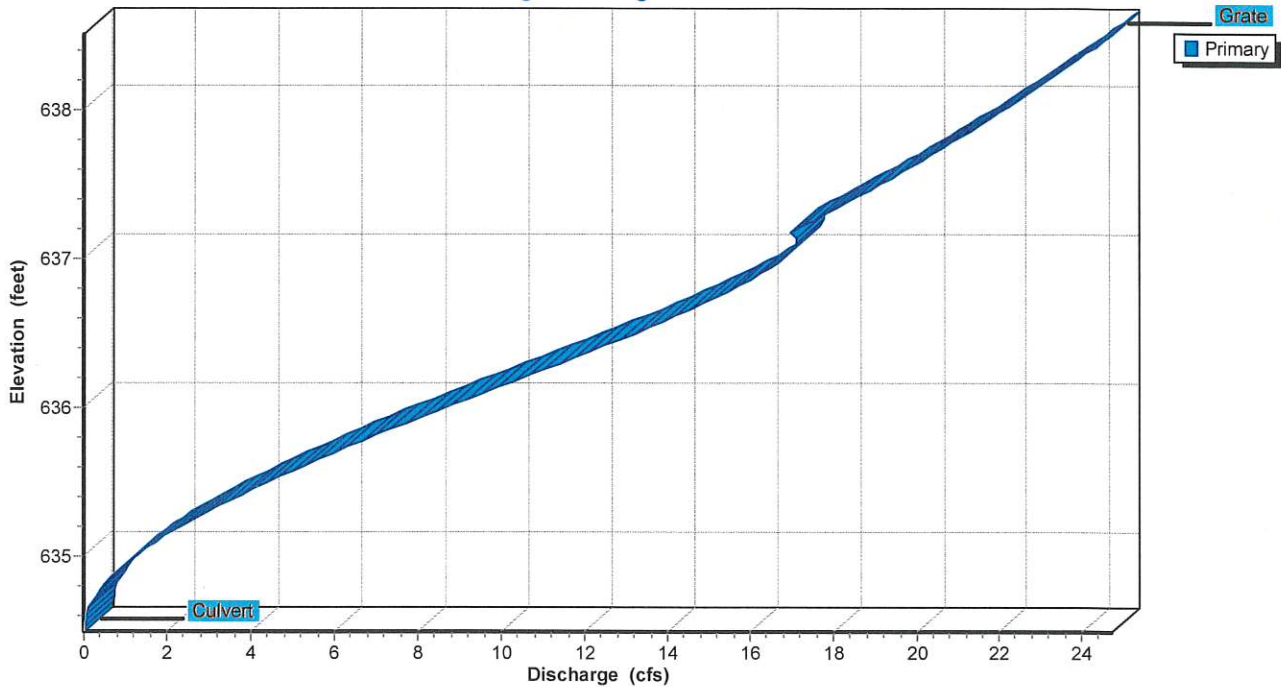
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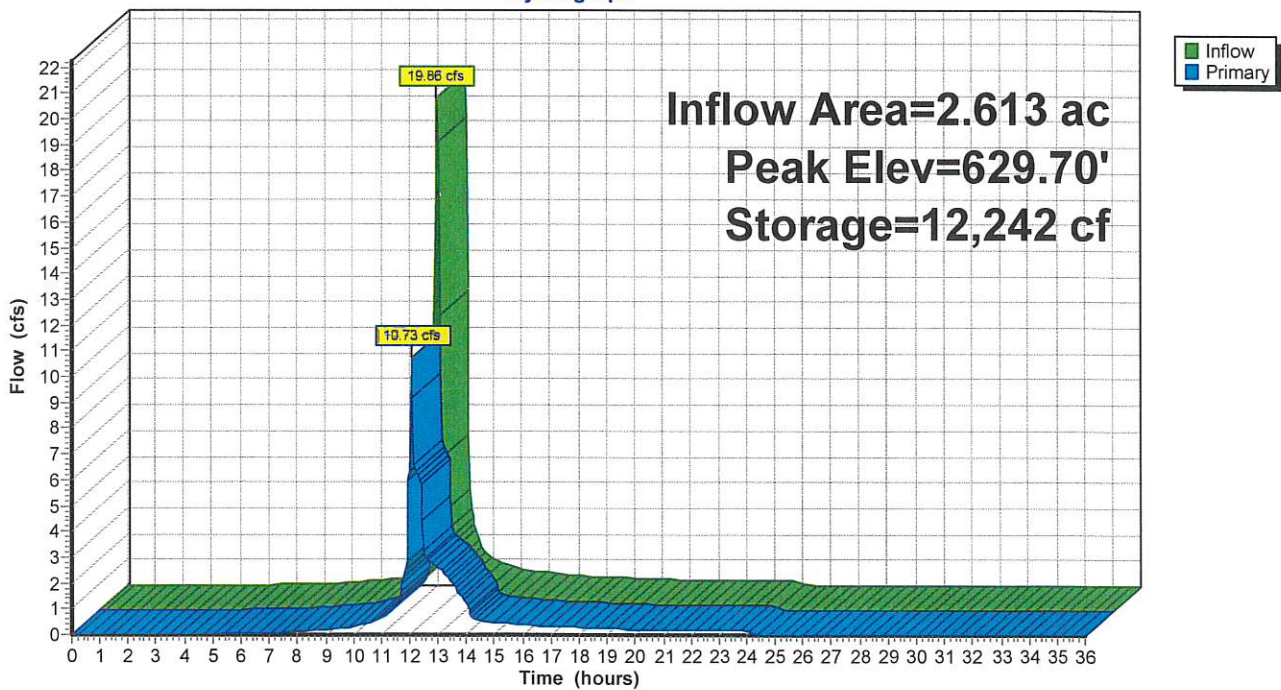
Pond 14P: CB8

Stage-Discharge



Pond 15P: Detention Basin

Hydrograph



Runoff

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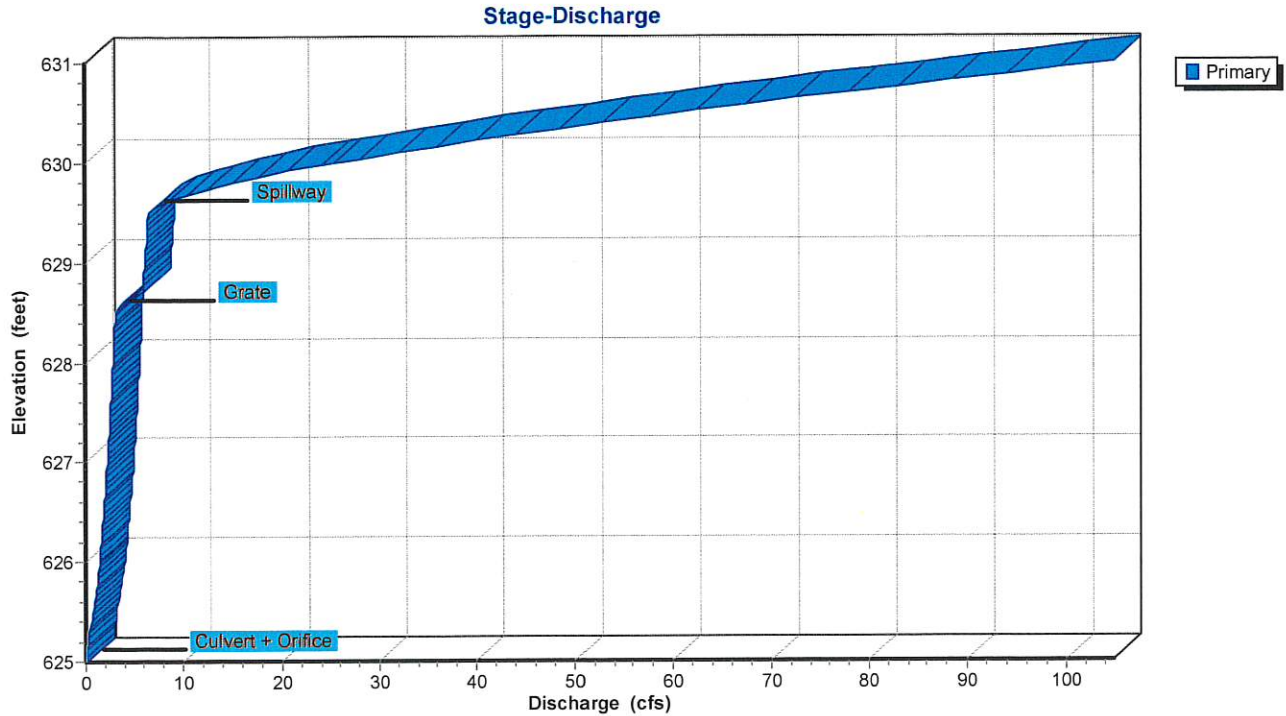
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Brookhollow Senior Apartments
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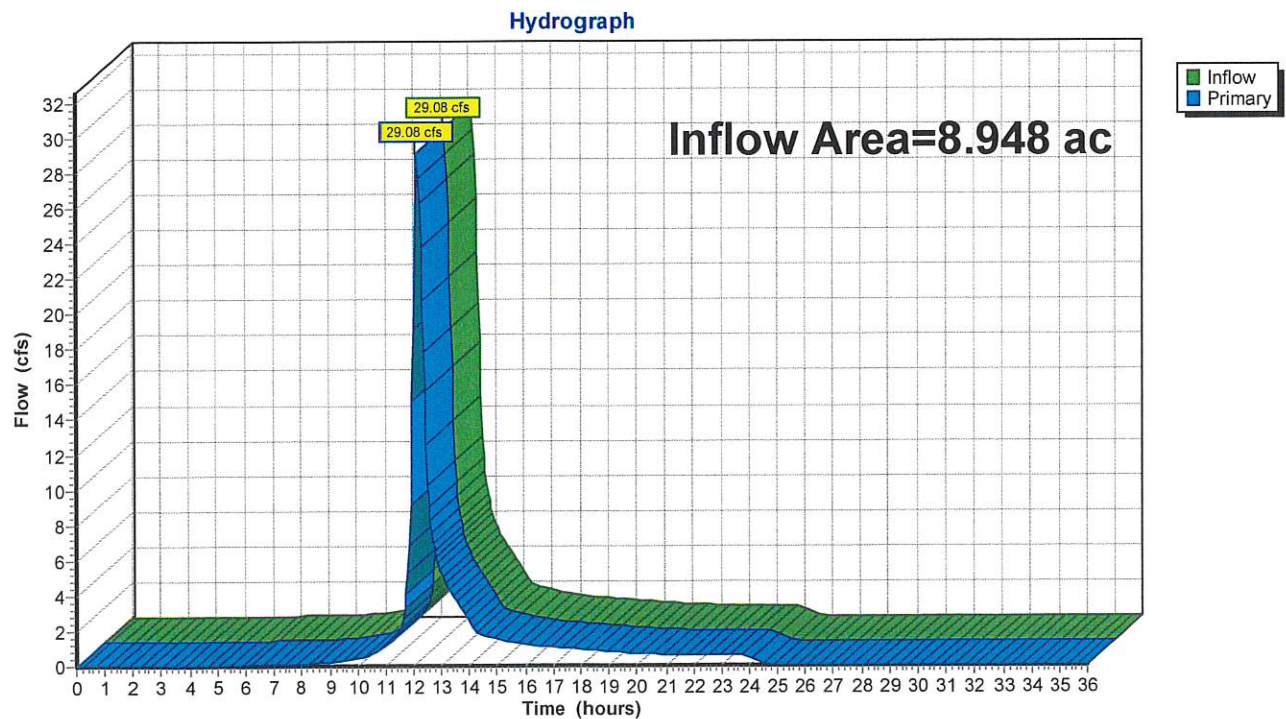
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Pond 15P: Detention Basin



Link 16L: Site Outfall



Runoff

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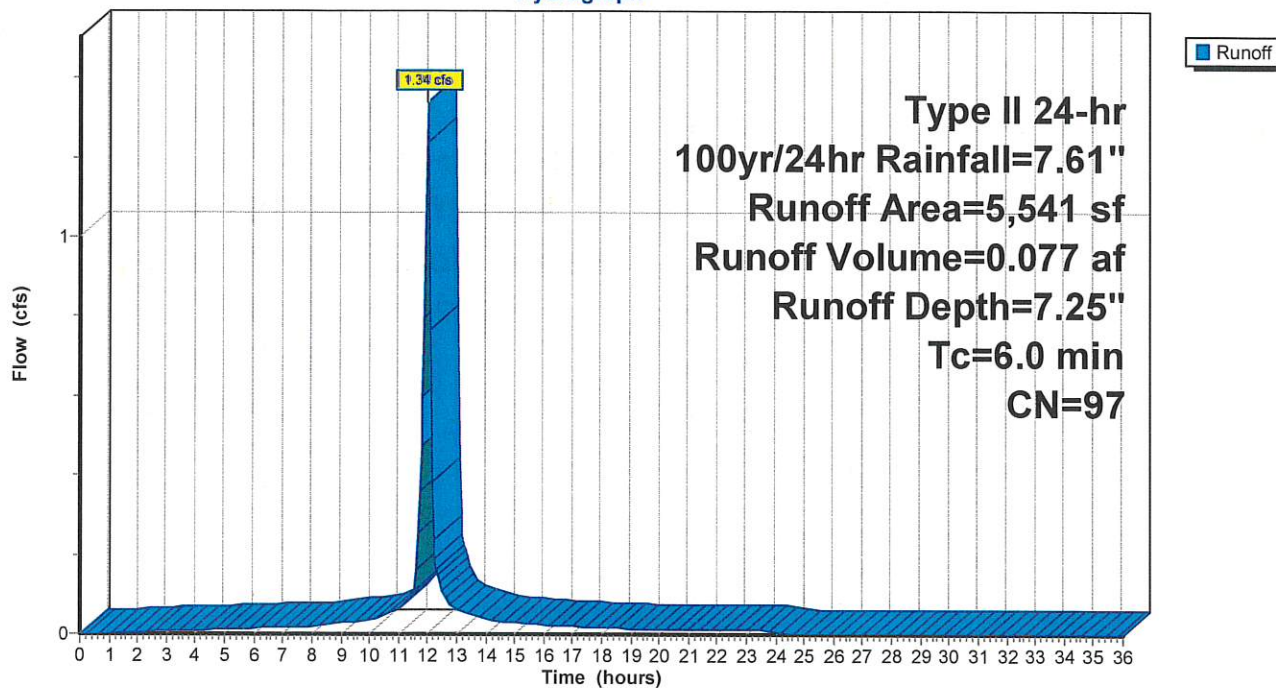
Brookhollow Senior Apartments
Type II 24-hr 100yr/24hr Rainfall=7.61"

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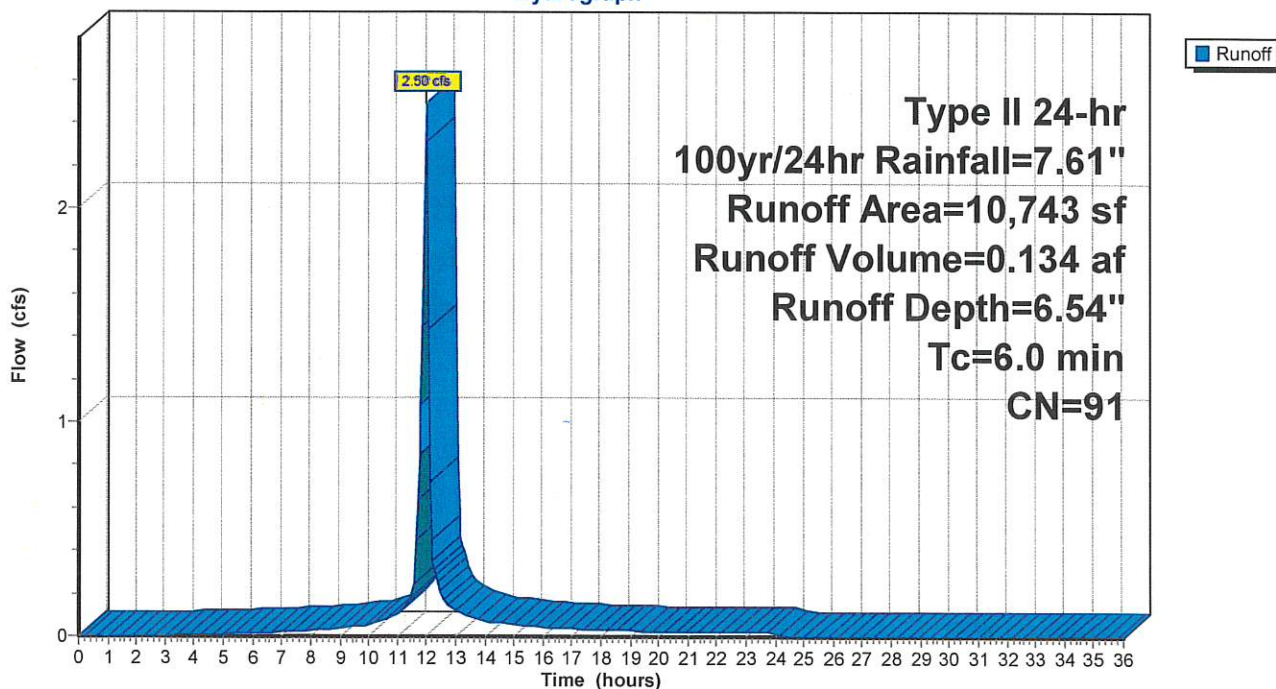
Subcatchment 1S: To CB1

Hydrograph



Subcatchment 2S: To CB2

Hydrograph



Runoff

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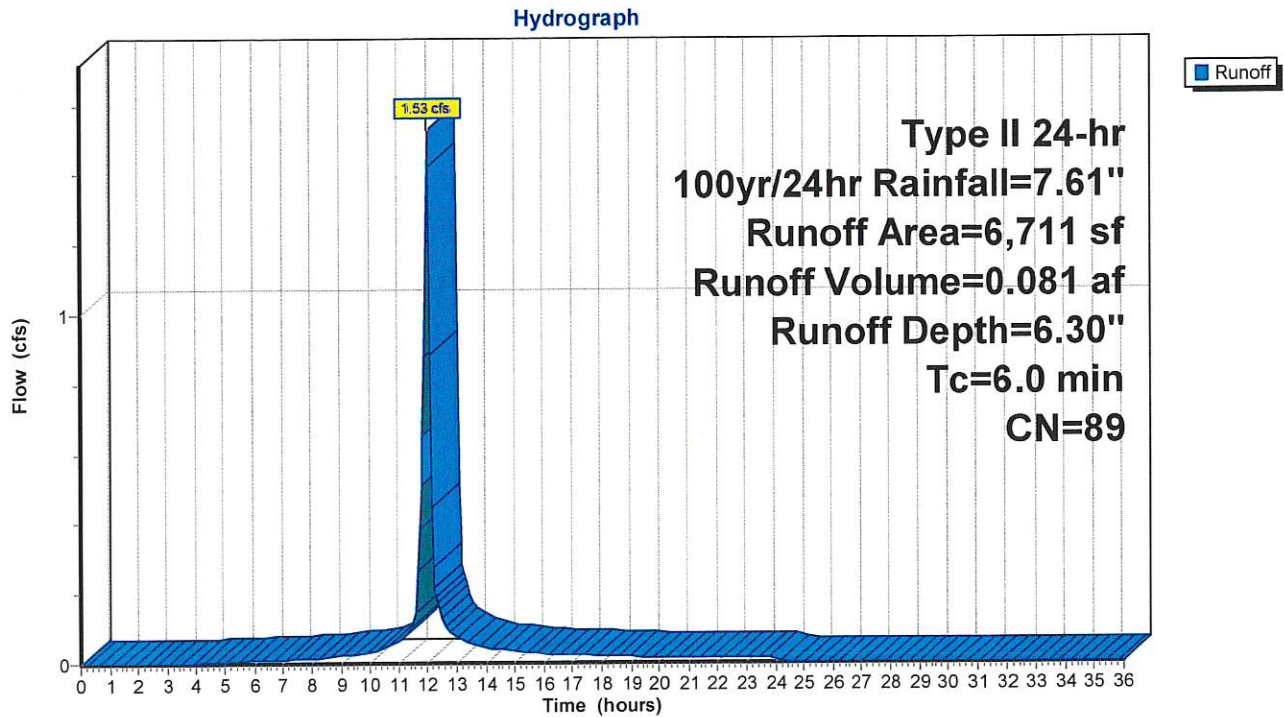
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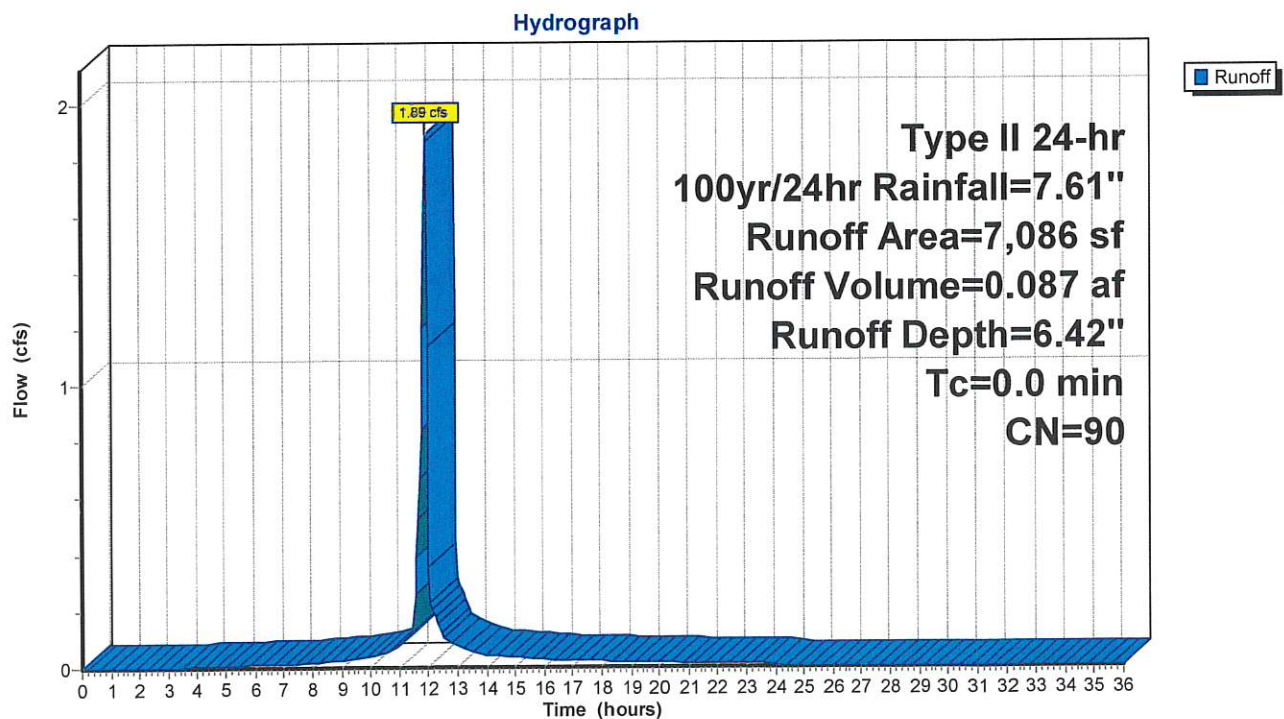
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Subcatchment 3S: To CB3



Subcatchment 4S: To CB4



Runoff

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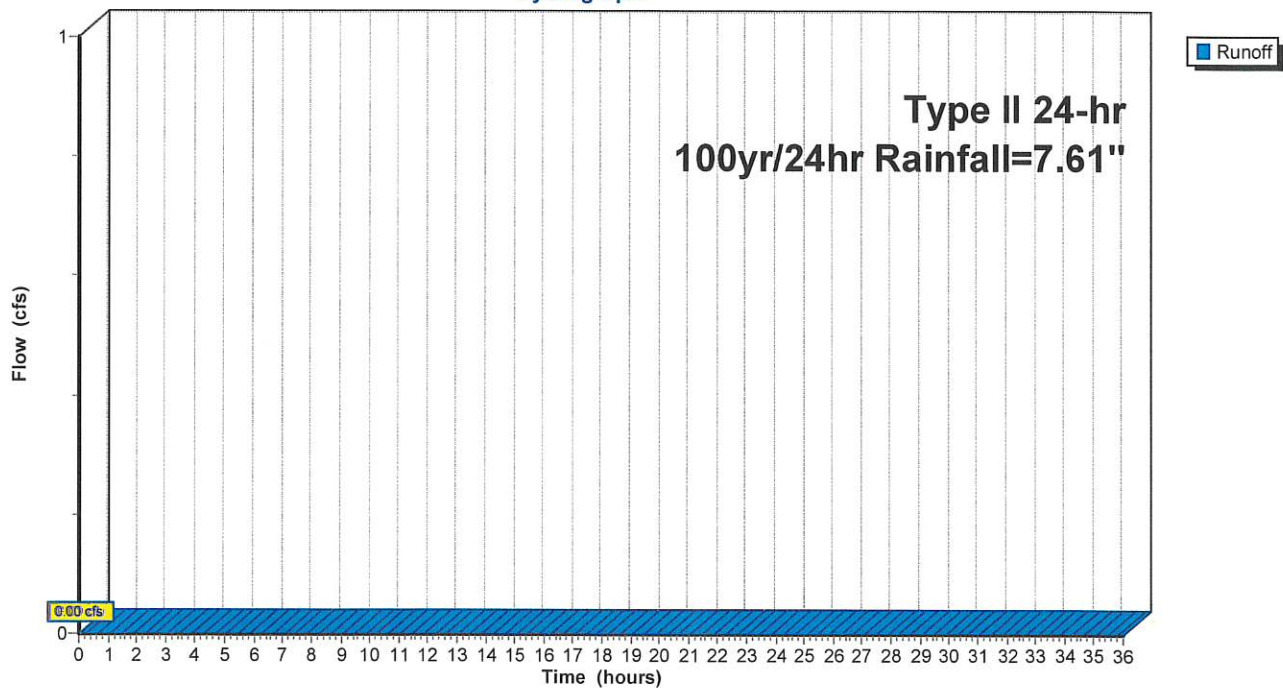
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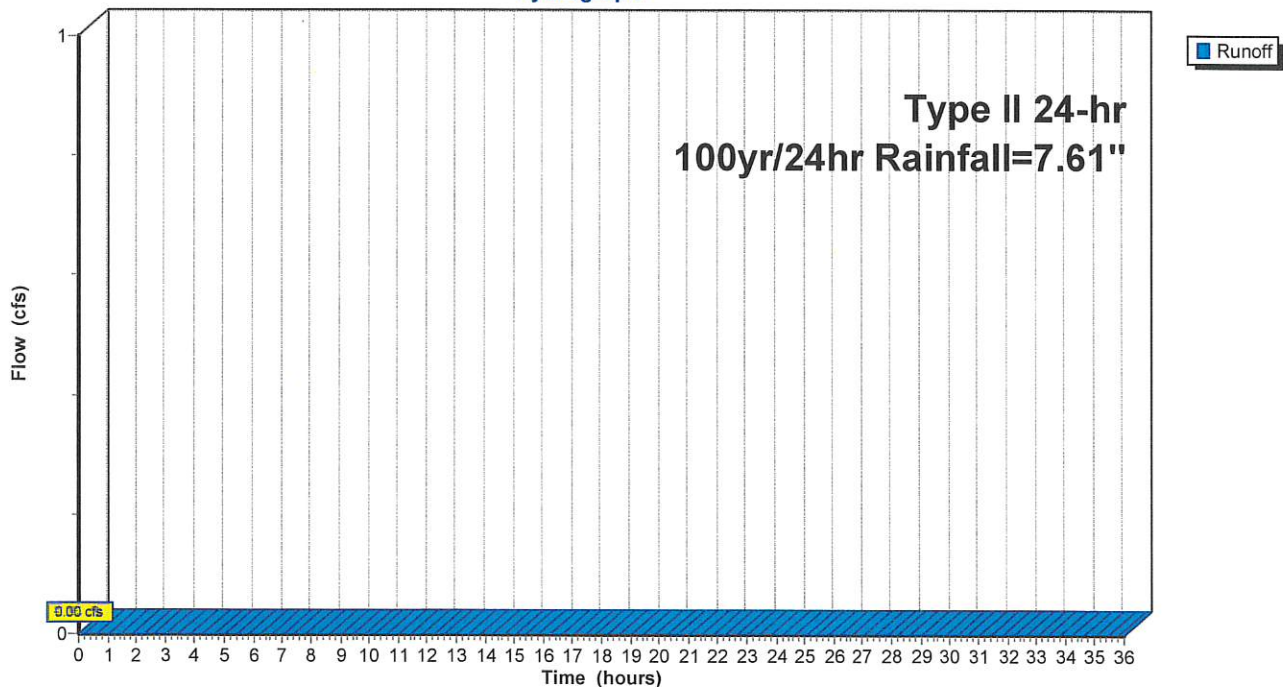
Subcatchment 5aS: To CB5

Hydrograph



Subcatchment 5bS: To CB5

Hydrograph



Runoff

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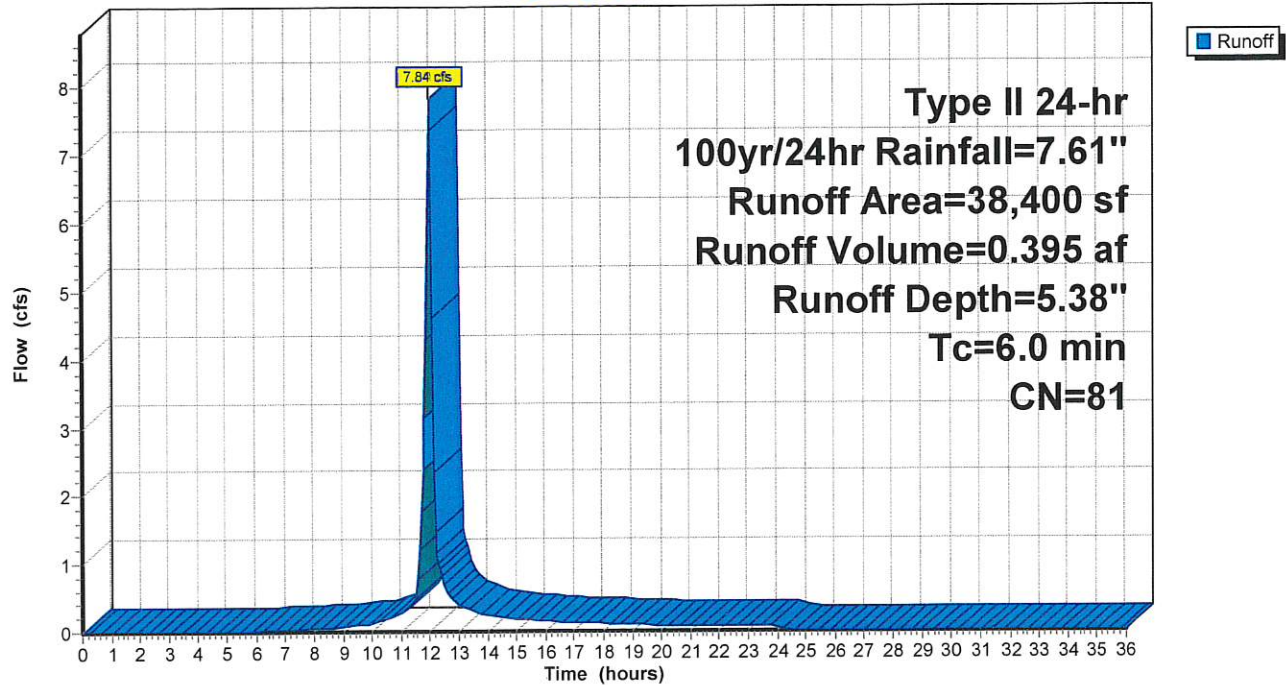
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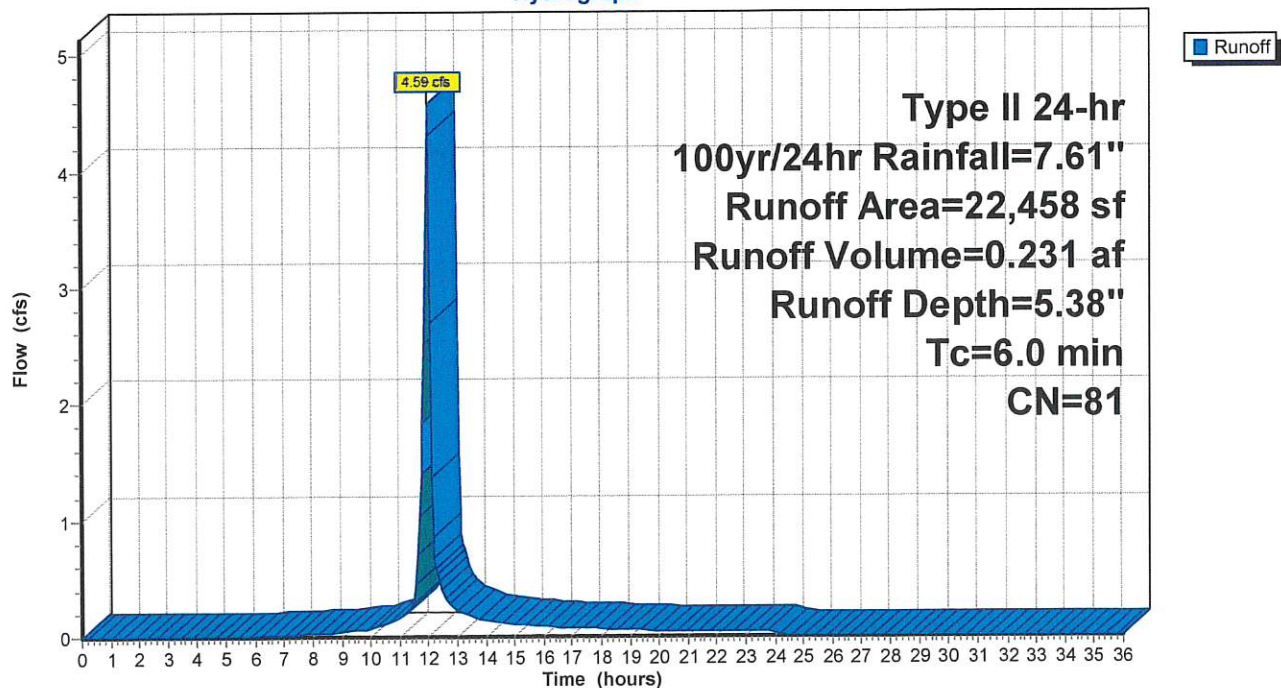
Subcatchment 5S: To CB5

Hydrograph



Subcatchment 6S: To CB6

Hydrograph



Runoff

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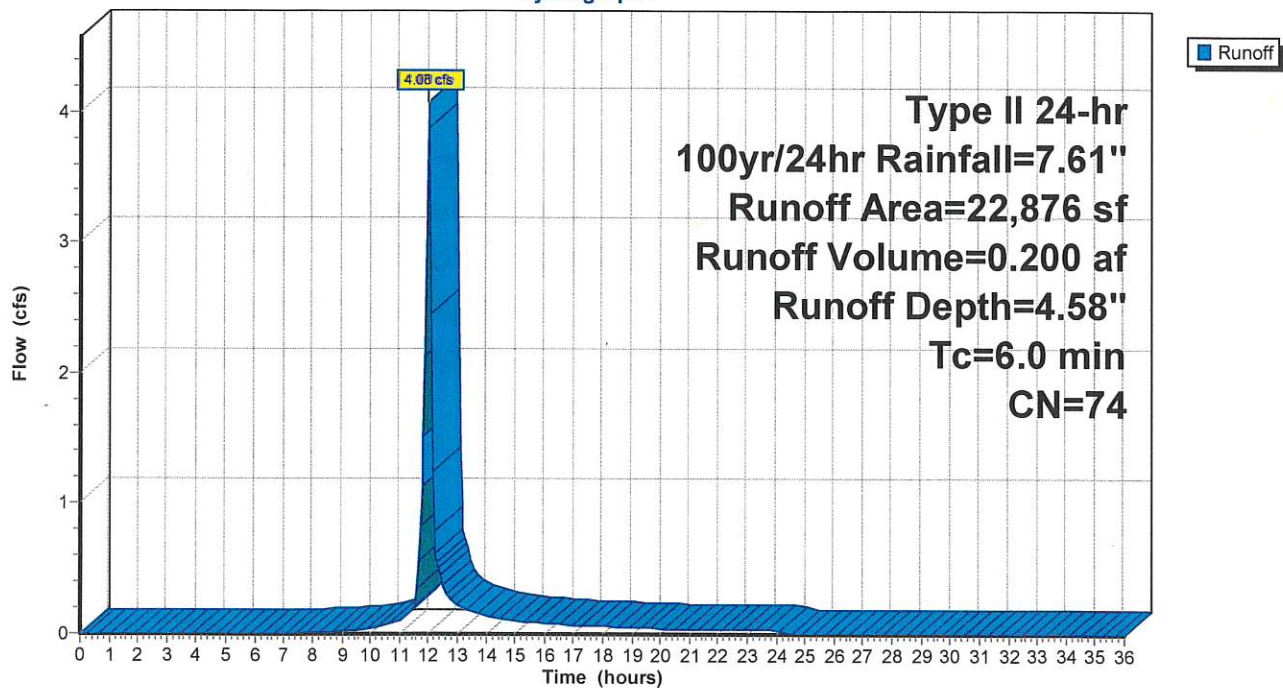
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Type II 24-hr 100yr/24hr Rainfall=7.61"

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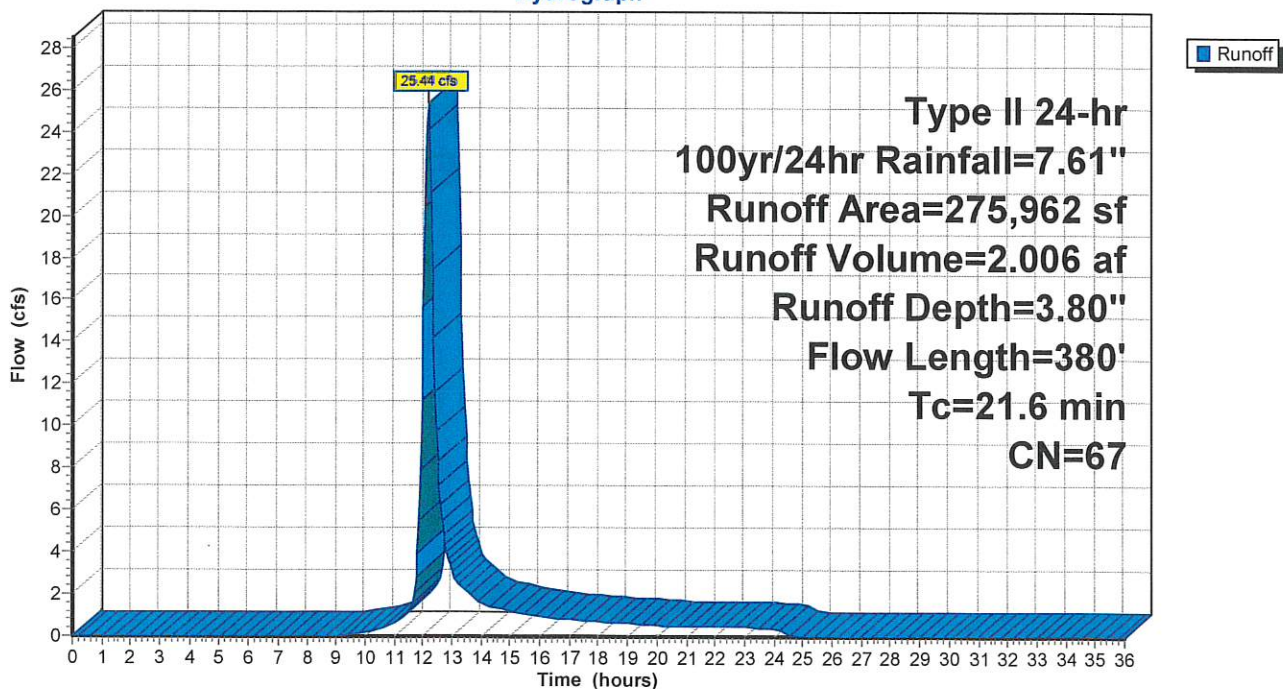
Subcatchment 7S: To Basin

Hydrograph



Subcatchment 8S: Bypassing

Hydrograph



Runoff

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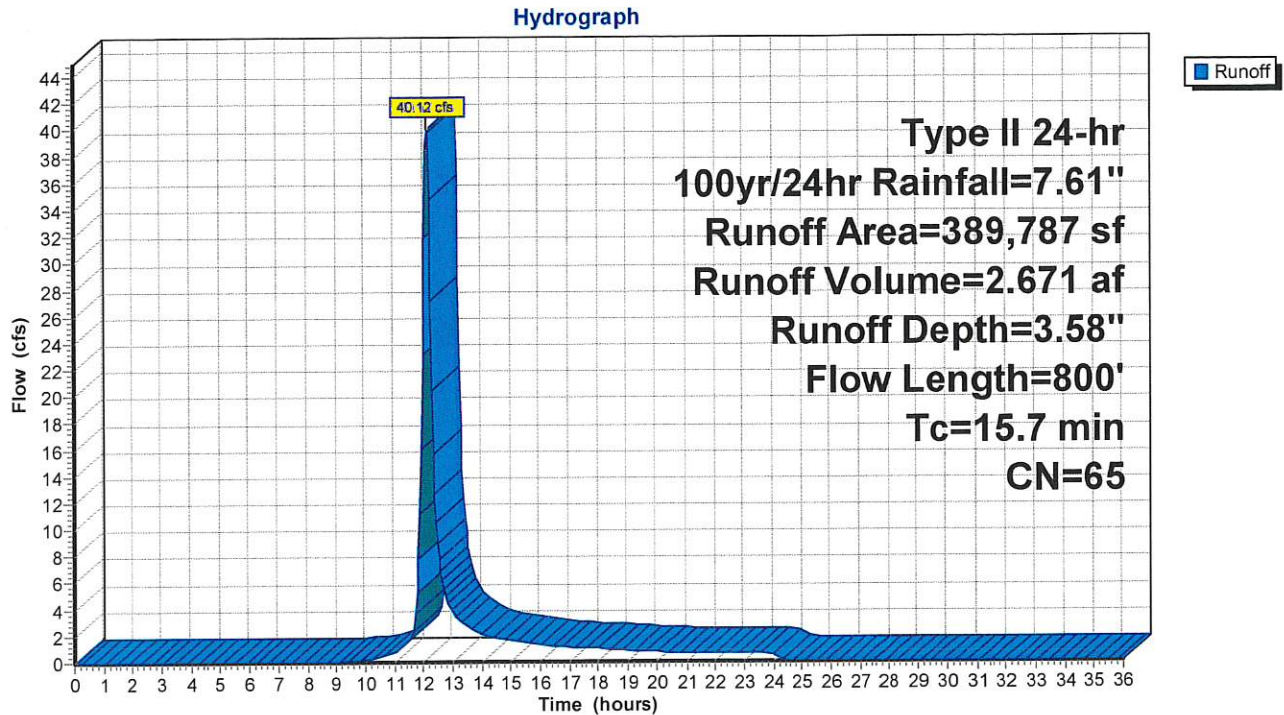
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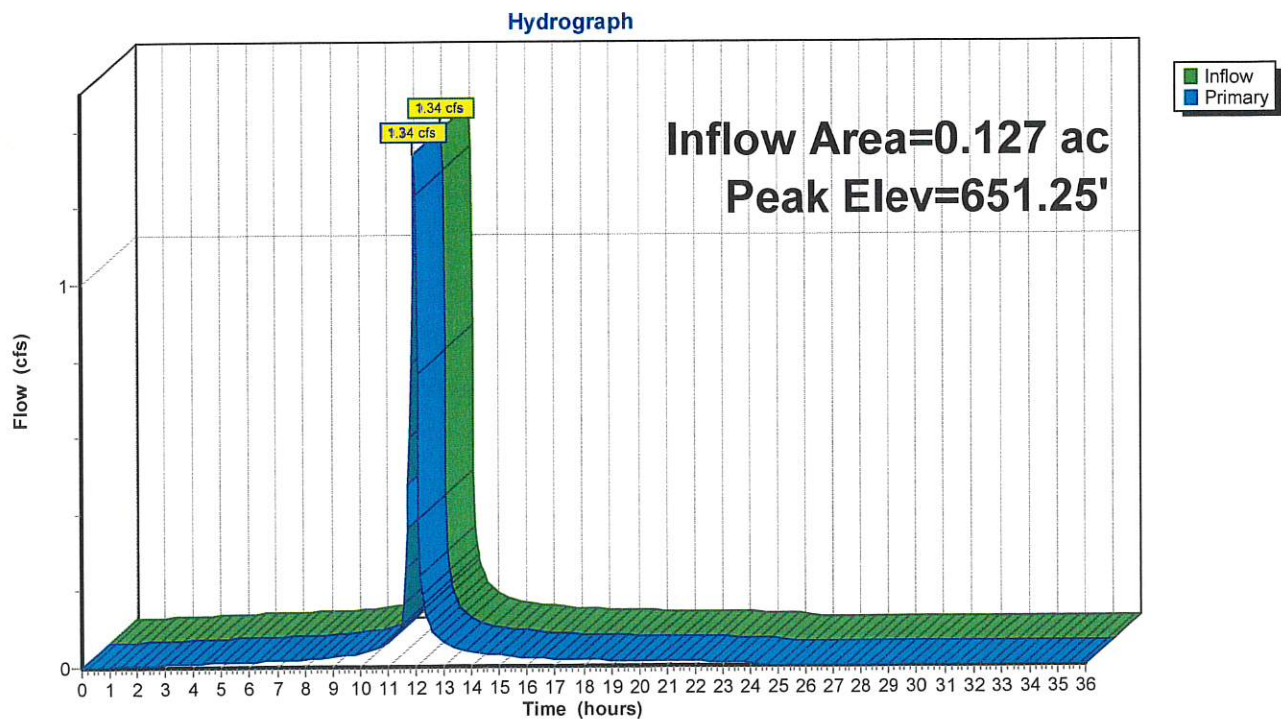
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Subcatchment OS: To Outfall



Pond 9P: CB1



Runoff

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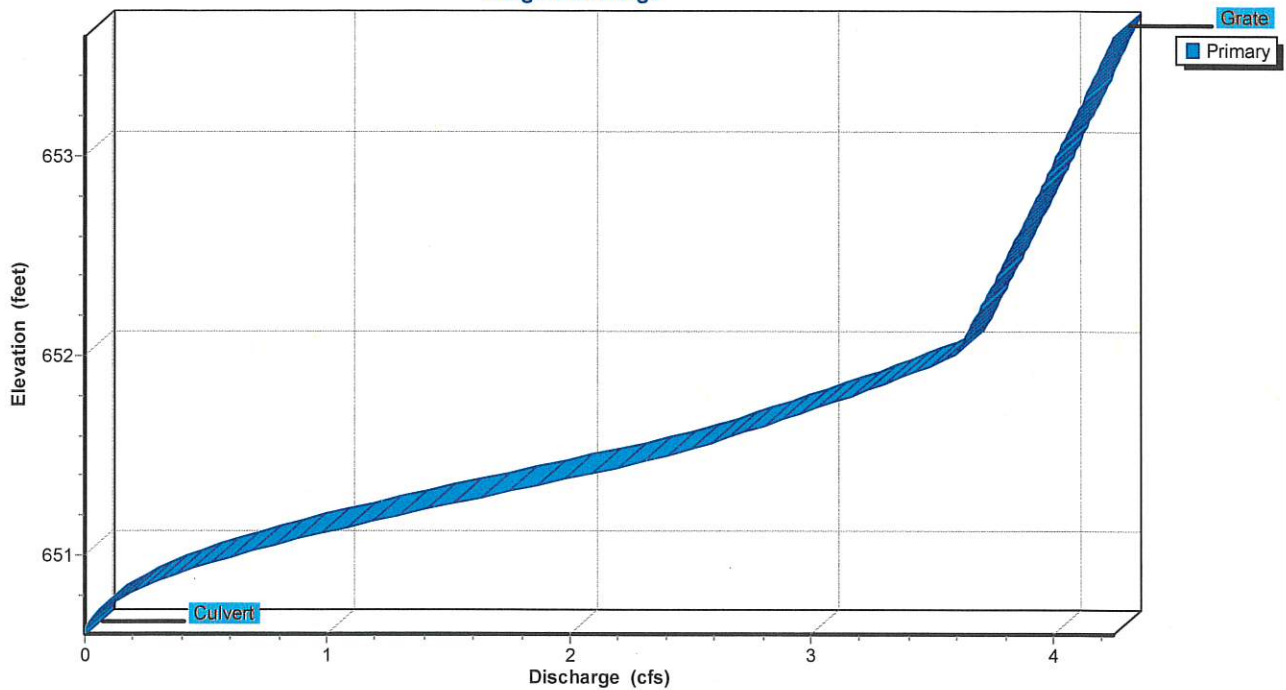
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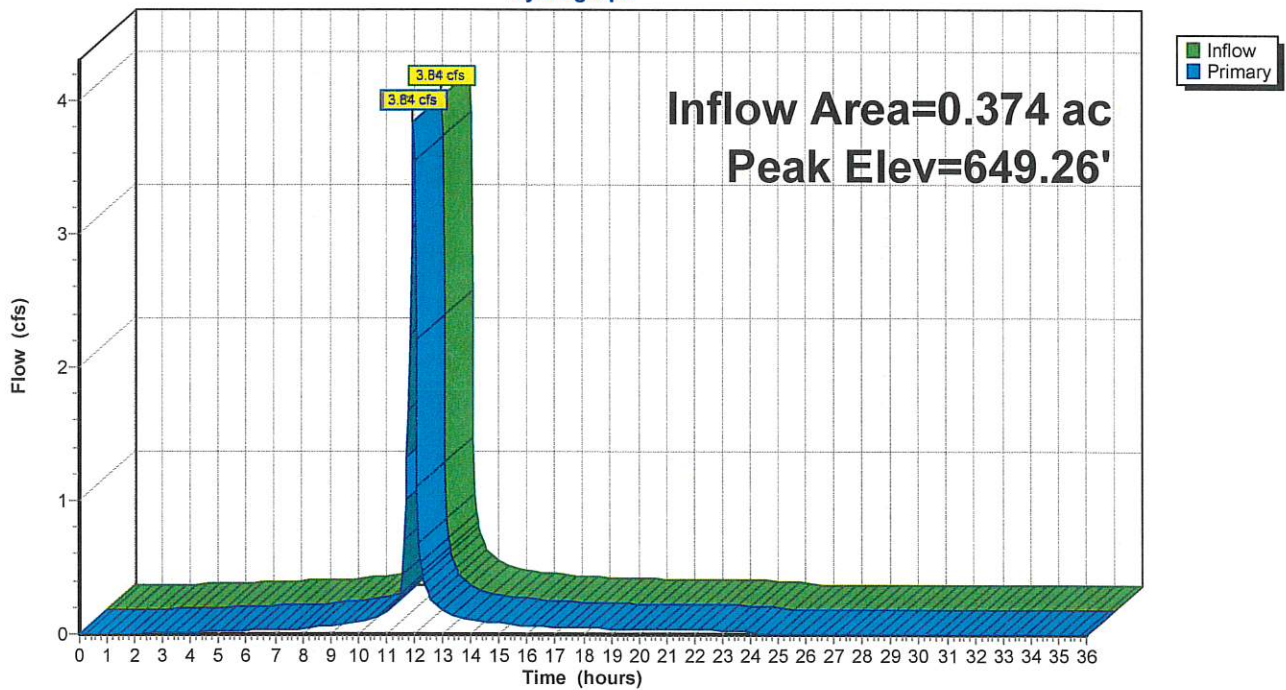
Pond 9P: CB1

Stage-Discharge



Pond 10P: CB2

Hydrograph



Runoff

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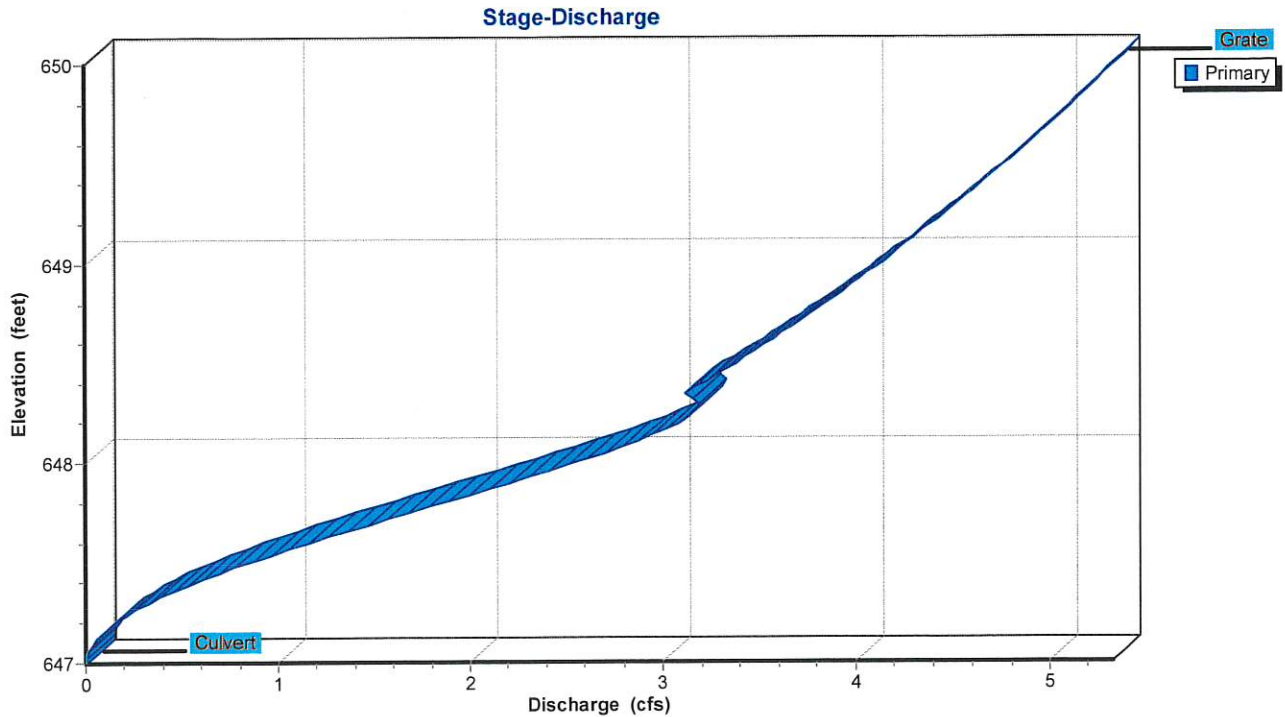
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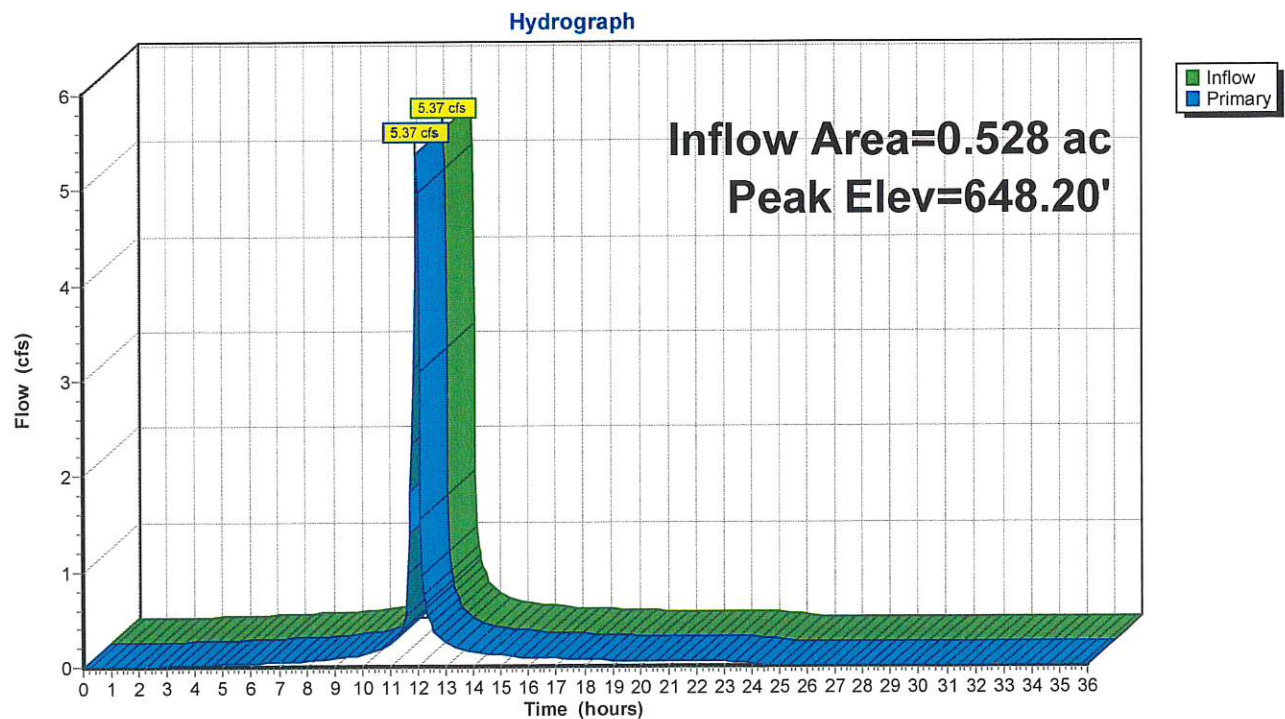
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Pond 10P: CB2



Pond 11P: CB3



Runoff

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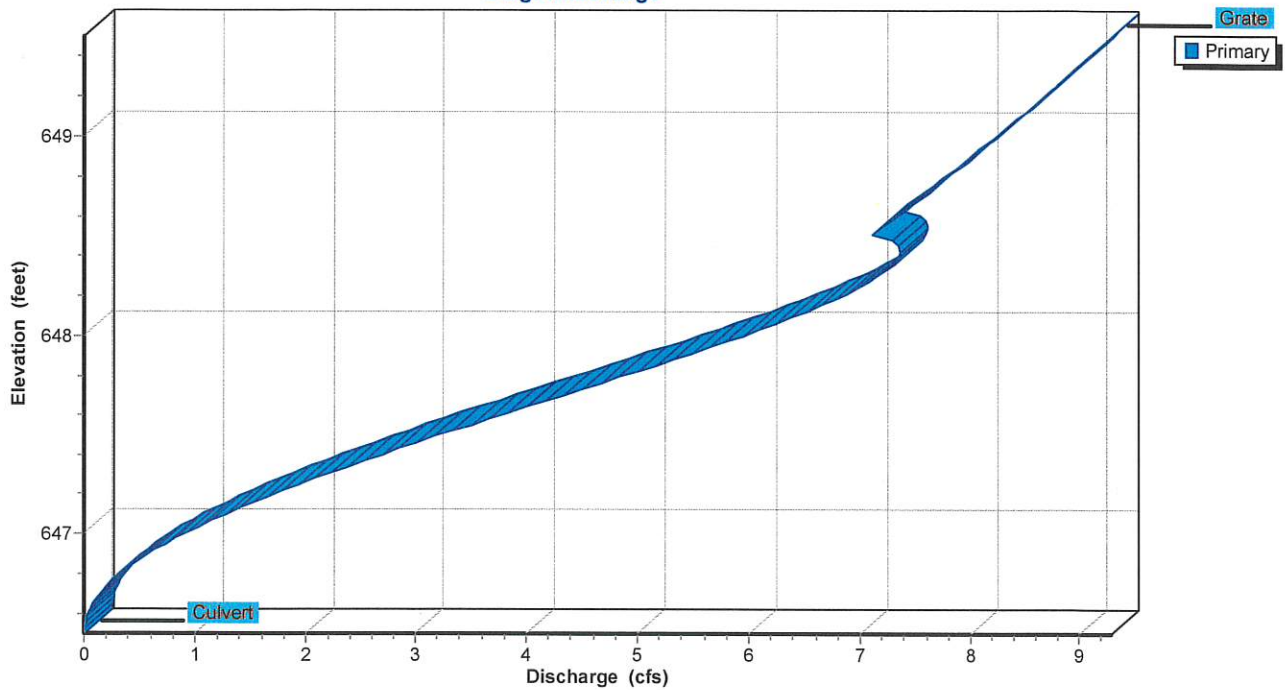
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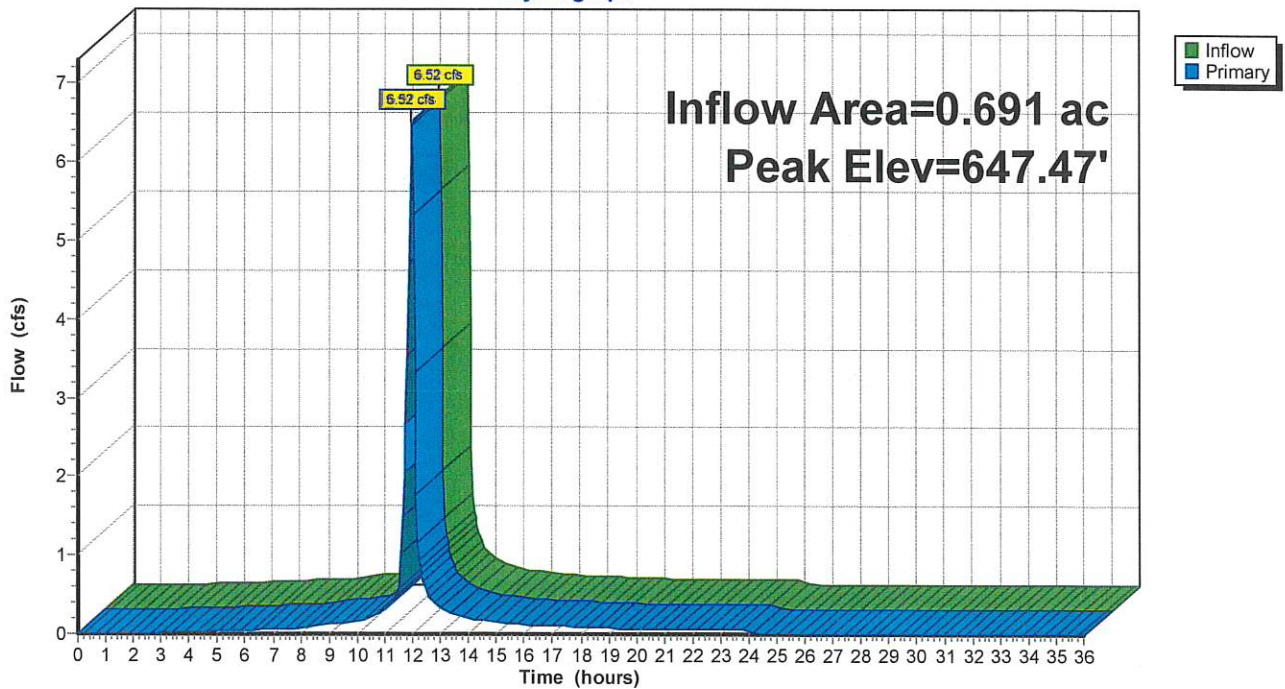
Pond 11P: CB3

Stage-Discharge



Pond 12P: CB4

Hydrograph



Runoff

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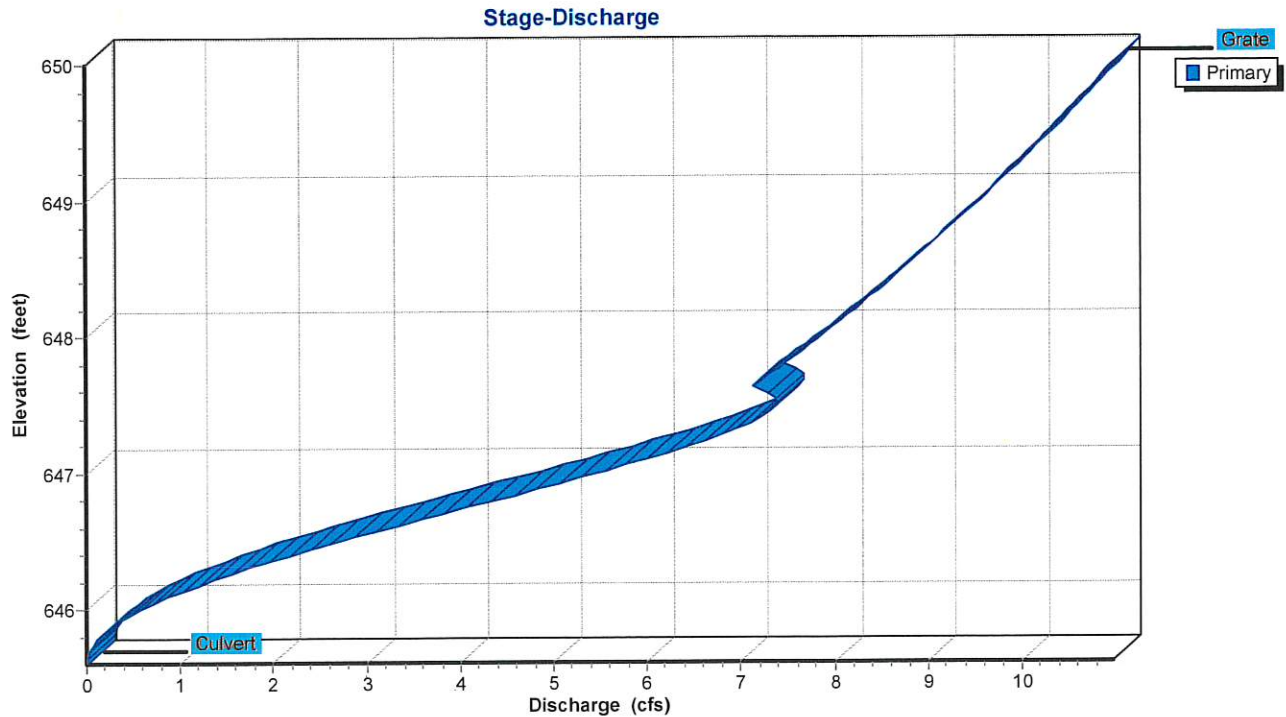
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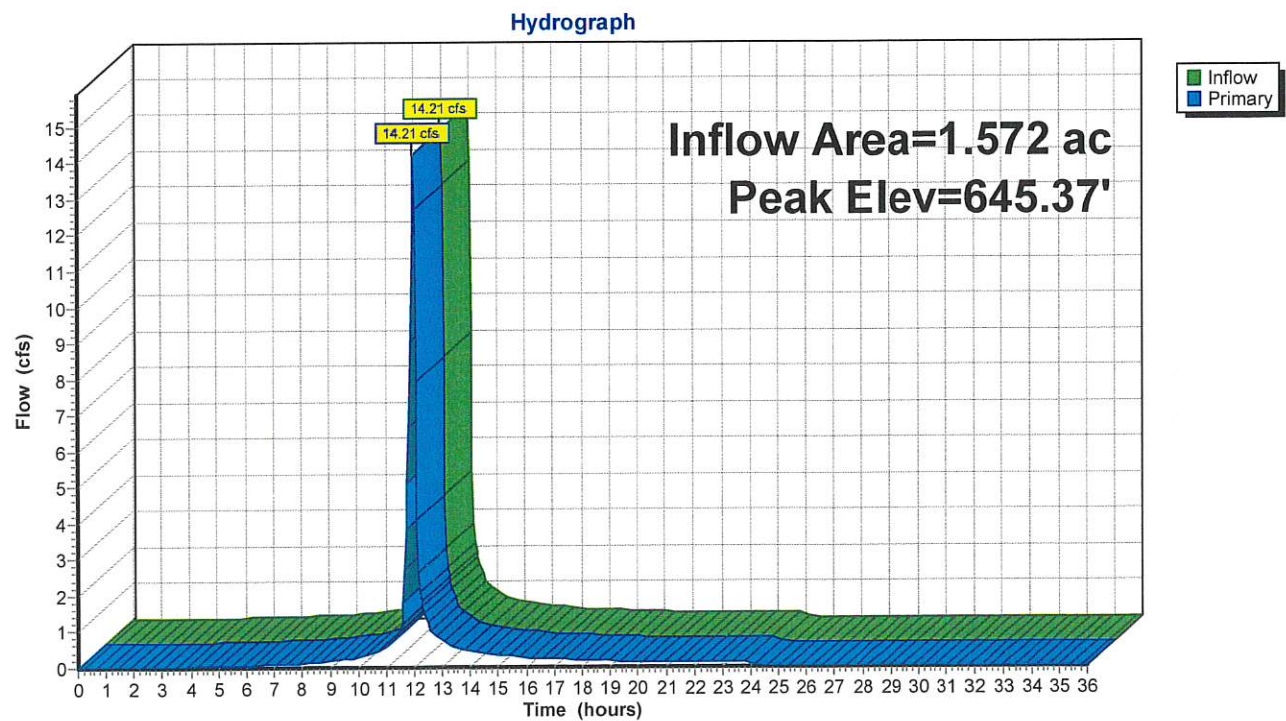
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Pond 12P: CB4



Pond 13aP: CB6



Runoff

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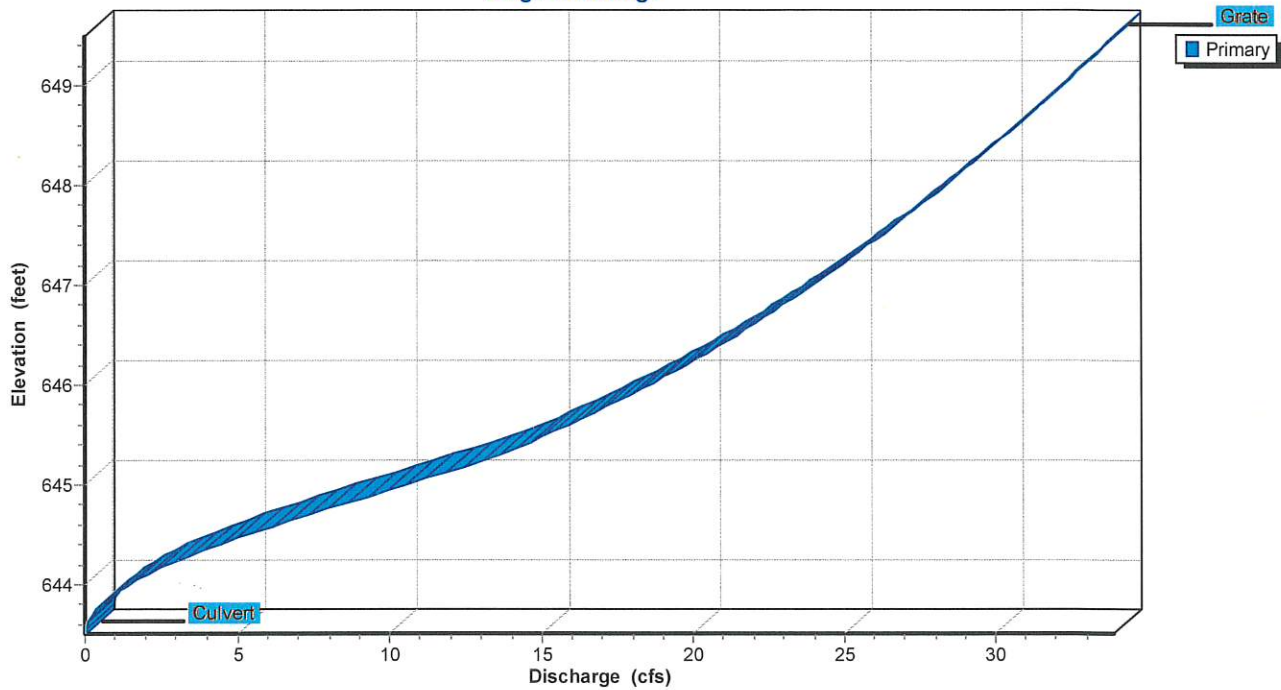
Brookhollow Senior Apartments
Type II 24-hr 100yr/24hr Rainfall=7.61"

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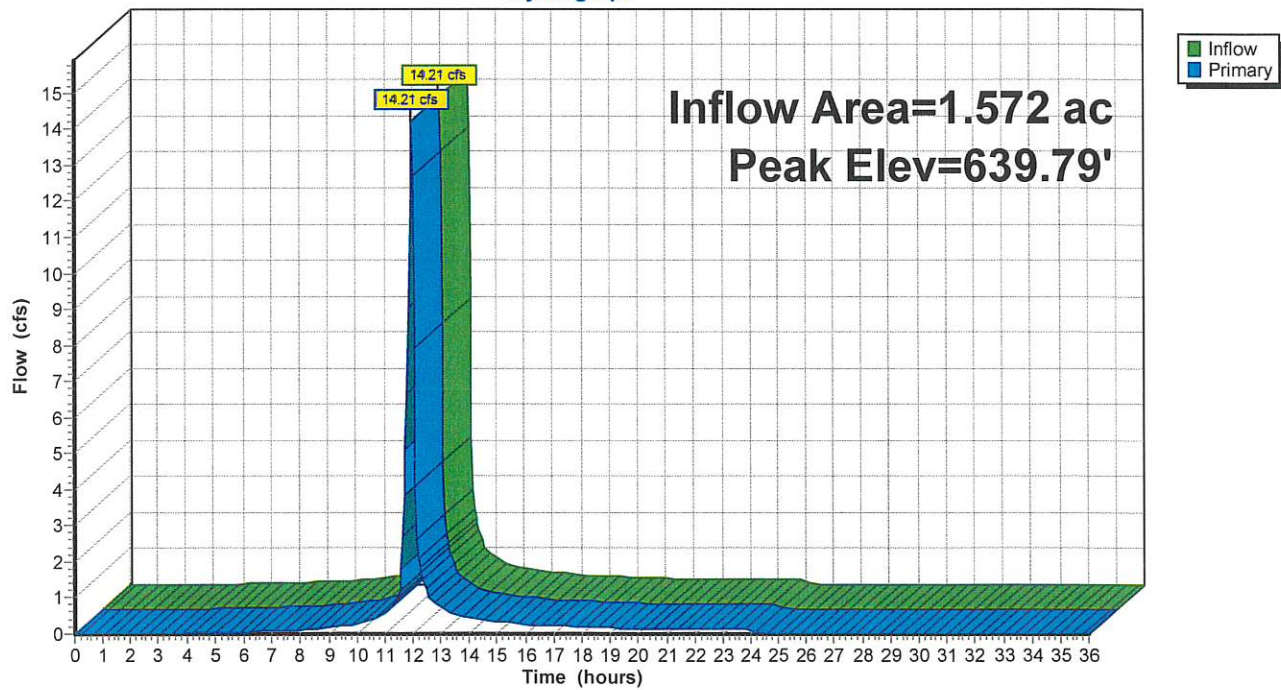
Pond 13aP: CB6

Stage-Discharge



Pond 13bP: CB7

Hydrograph



Runoff

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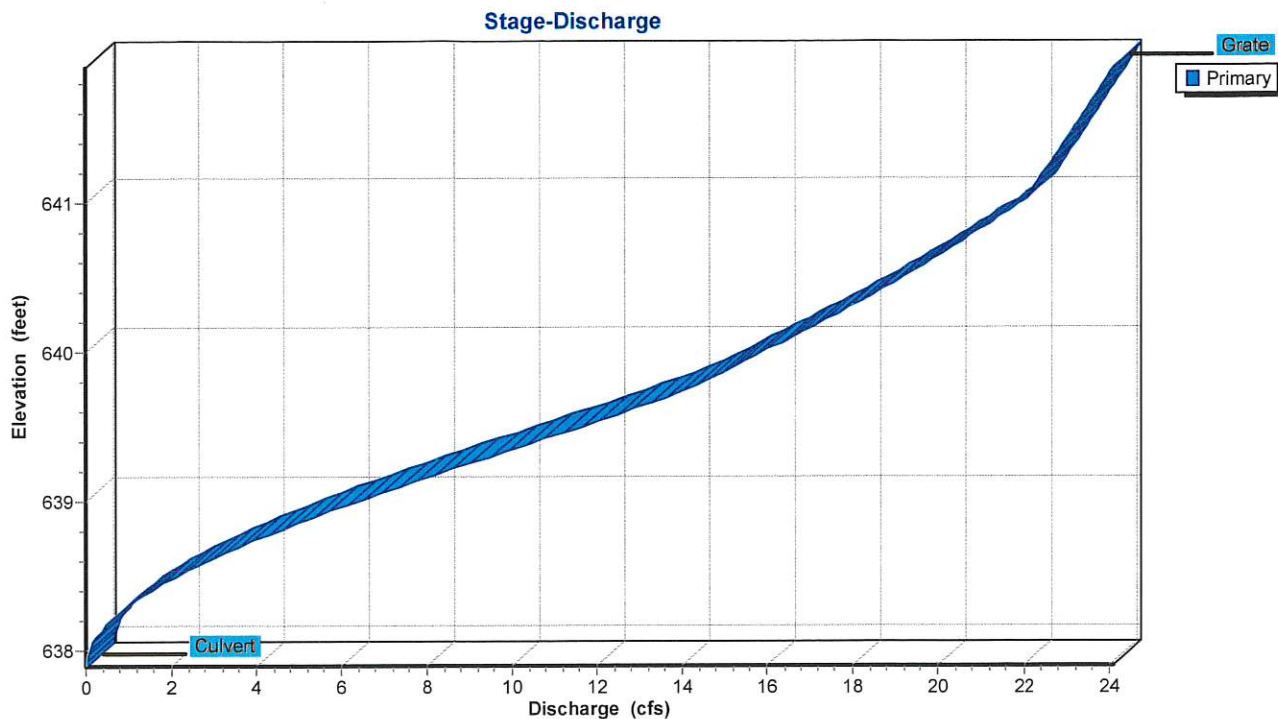
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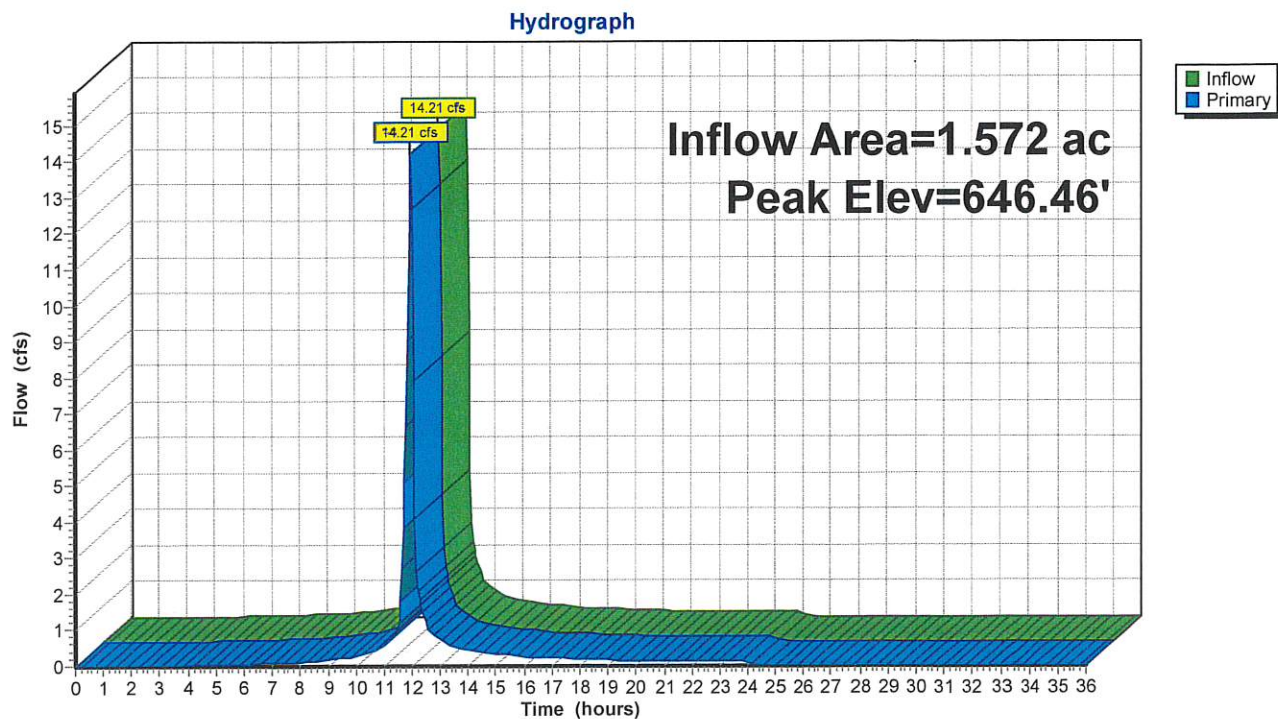
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Pond 13bP: CB7



Pond 13P: CB5



Runoff

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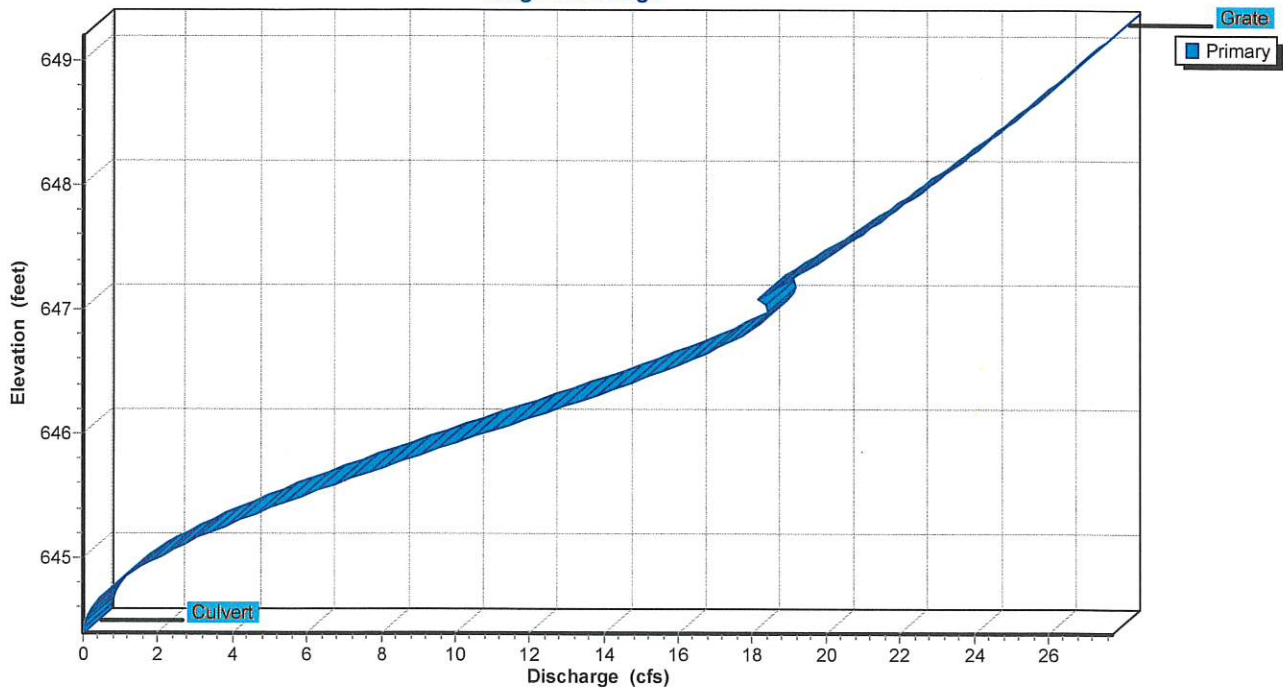
Brookhollow Senior Apartments
Type II 24-hr 100yr/24hr Rainfall=7.61"

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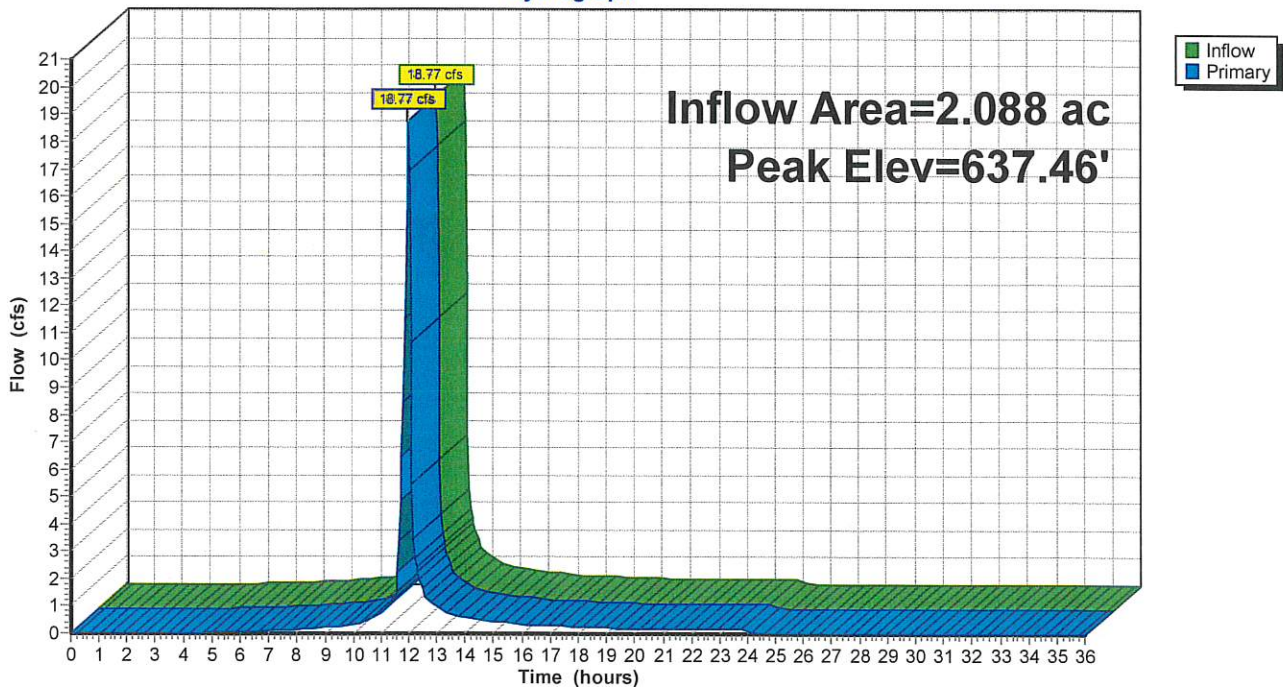
Pond 13P: CB5

Stage-Discharge



Pond 14P: CB8

Hydrograph



Runoff

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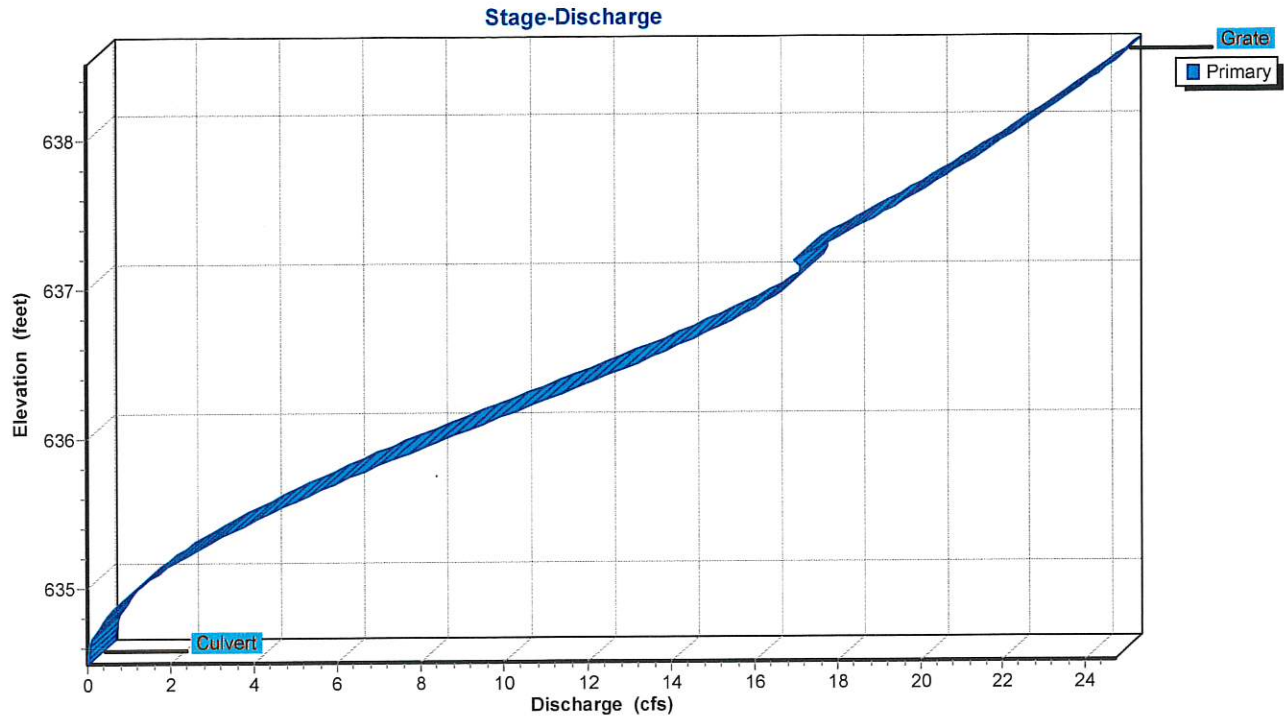
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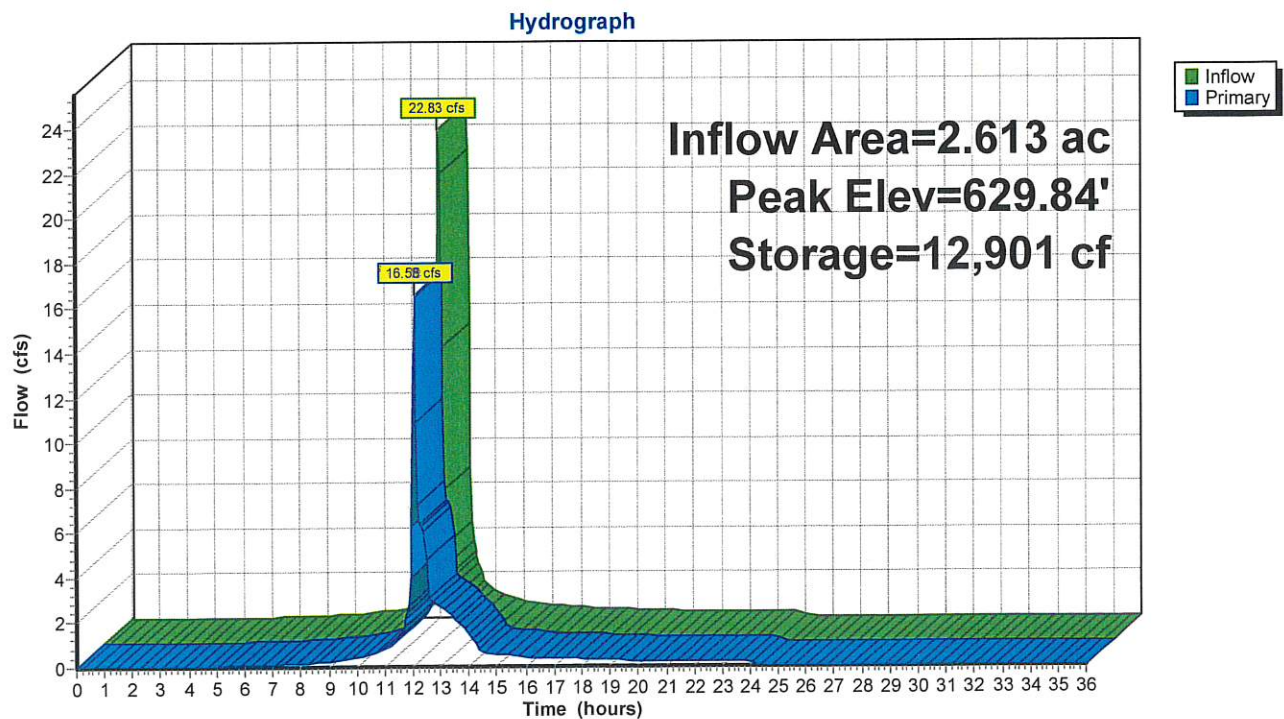
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Pond 14P: CB8



Pond 15P: Detention Basin



Runoff

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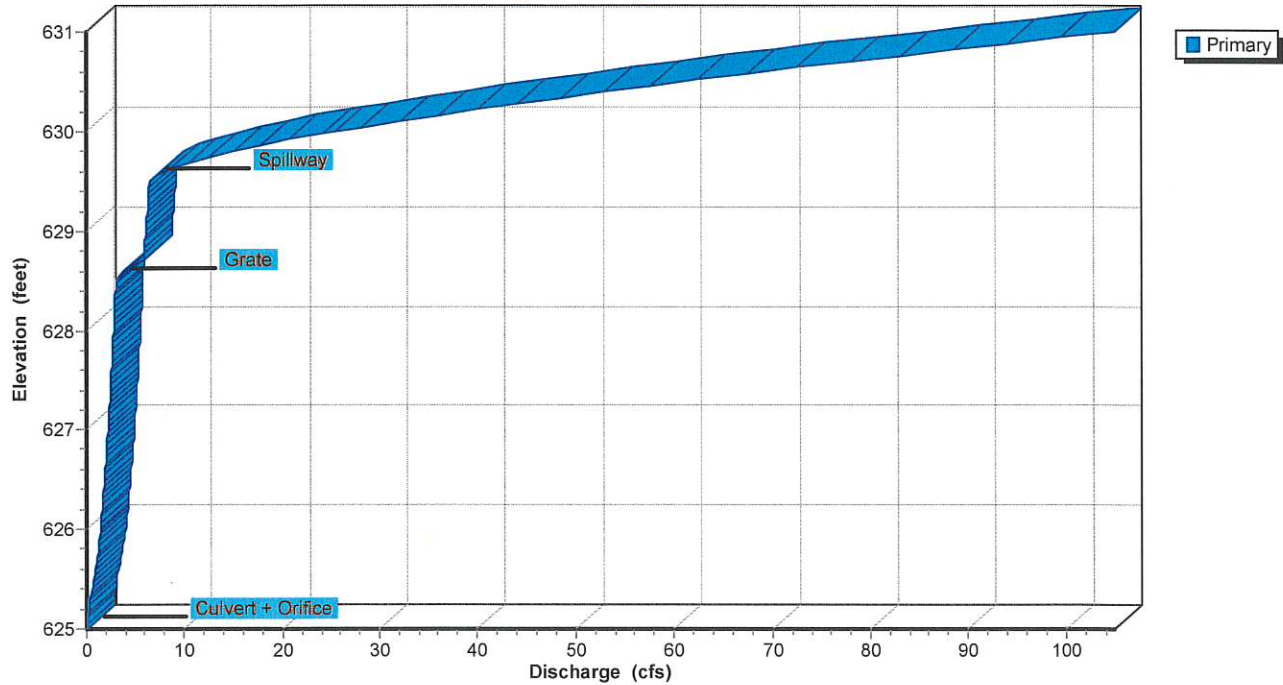
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Pond 15P: Detention Basin

Stage-Discharge



Link 16L: Site Outfall

Hydrograph

