

Exhibit E

Time of Concentration Calculations

APWA STORM DRAINAGE "TC" COMPUTATIONS FOR : Colbern Road Investments!

[illegible]

Exhibit F

Complete Hydraflow Report Emergency Spillway Analysis

Hydraflow Table of Contents

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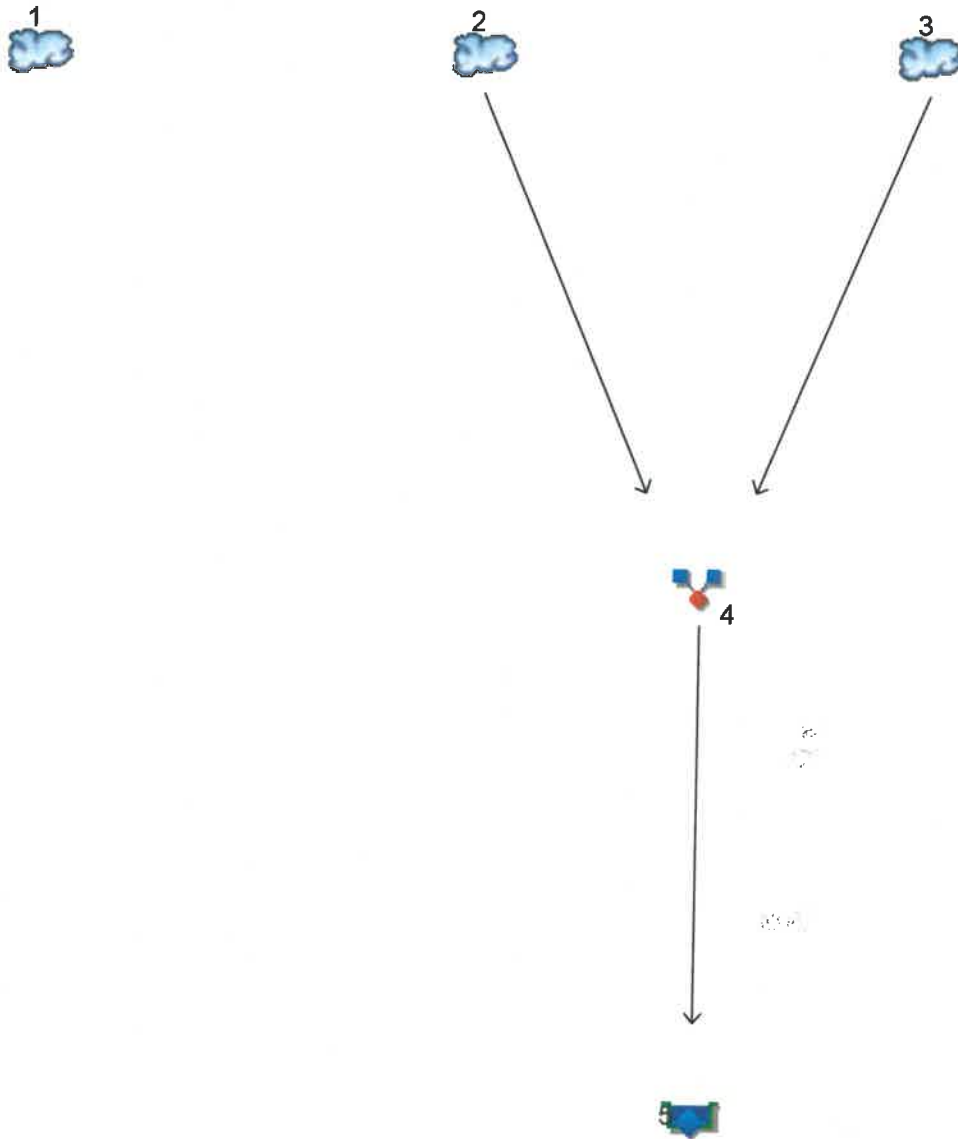
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

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Watershed Model Schematic

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Legend

<u>Hvd.</u>	<u>Origin</u>	<u>Description</u>
1	SCS Runoff	Pre Development
2	SCS Runoff	Offsite
3	SCS Runoff	Development Area
4	Combine	Developed Site
5	Reservoir	Retention

Hyd. No.	Hydrograph type (origin)	Inflow hyd(s)	Peak Outflow (cfs)								Hydrograph Description
			1-yr	2-yr	3-yr	5-yr	10-yr	25-yr	50-yr	100-yr	
1	SCS Runoff	----	-----	105.22	-----	-----	313.08	-----	-----	711.09	Pre Development
2	SCS Runoff	----	-----	69.36	-----	-----	206.39	-----	-----	468.77	Offsite
3	SCS Runoff	----	-----	62.99	-----	-----	143.94	-----	-----	288.05	Development Area
4	Combine	2, 3	-----	130.66	-----	-----	347.05	-----	-----	750.81	Developed Site
5	Reservoir	4	-----	20.00	-----	-----	102.67	-----	-----	254.39	Retention

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	SCS Runoff	105.22	1	727	353,014	-----	-----	-----	Pre Development
2	SCS Runoff	69.36	1	727	232,716	-----	-----	-----	Offsite
3	SCS Runoff	62.99	1	724	187,936	-----	-----	-----	Development Area
4	Combine	130.66	1	725	420,652	2, 3	-----	-----	Developed Site
5	Reservoir	20.00	1	756	369,695	4	949.23	206,195	Retention
Z:\acad\COLBERN ROAD INVESTMENTS L&E\Storm Study\SENIOR STAFF\COLBERN ROAD INVESTMENTS.gpw									

Hydrograph Report

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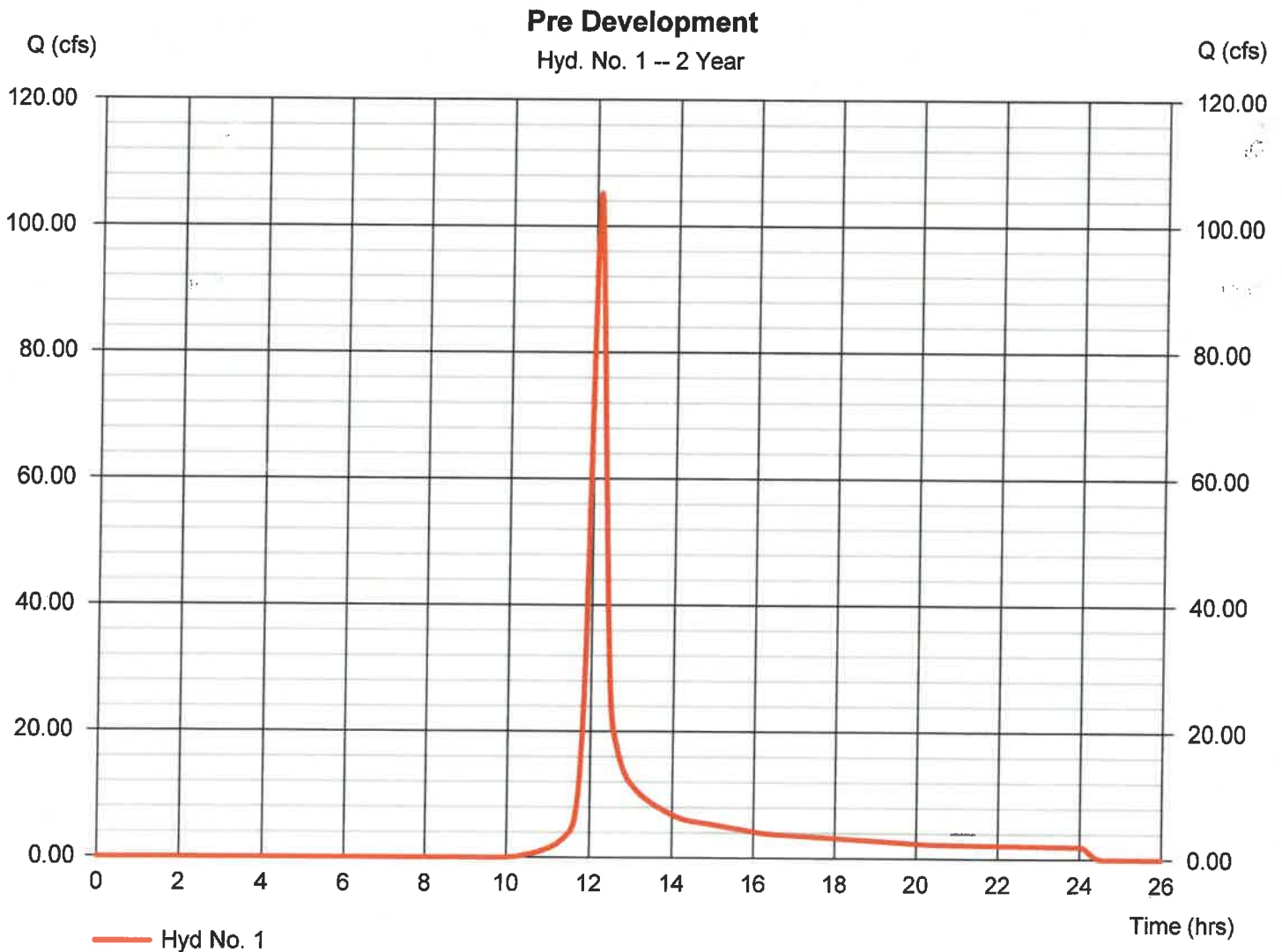
Friday, 03 / 10 / 2023

Hyd. No. 1

Pre Development

Hydrograph type = SCS Runoff
 Storm frequency = 2 yrs
 Time interval = 1 min
 Drainage area = 108.400 ac
 Basin Slope = 0.0 %
 Tc method = User
 Total precip. = 2.20 in
 Storm duration = 24 hrs

Peak discharge = 105.22 cfs
 Time to peak = 12.12 hrs
 Hyd. volume = 353,014 cuft
 Curve number = 84
 Hydraulic length = 0 ft
 Time of conc. (Tc) = 21.90 min
 Distribution = Type II
 Shape factor = 484



Hydrograph Report

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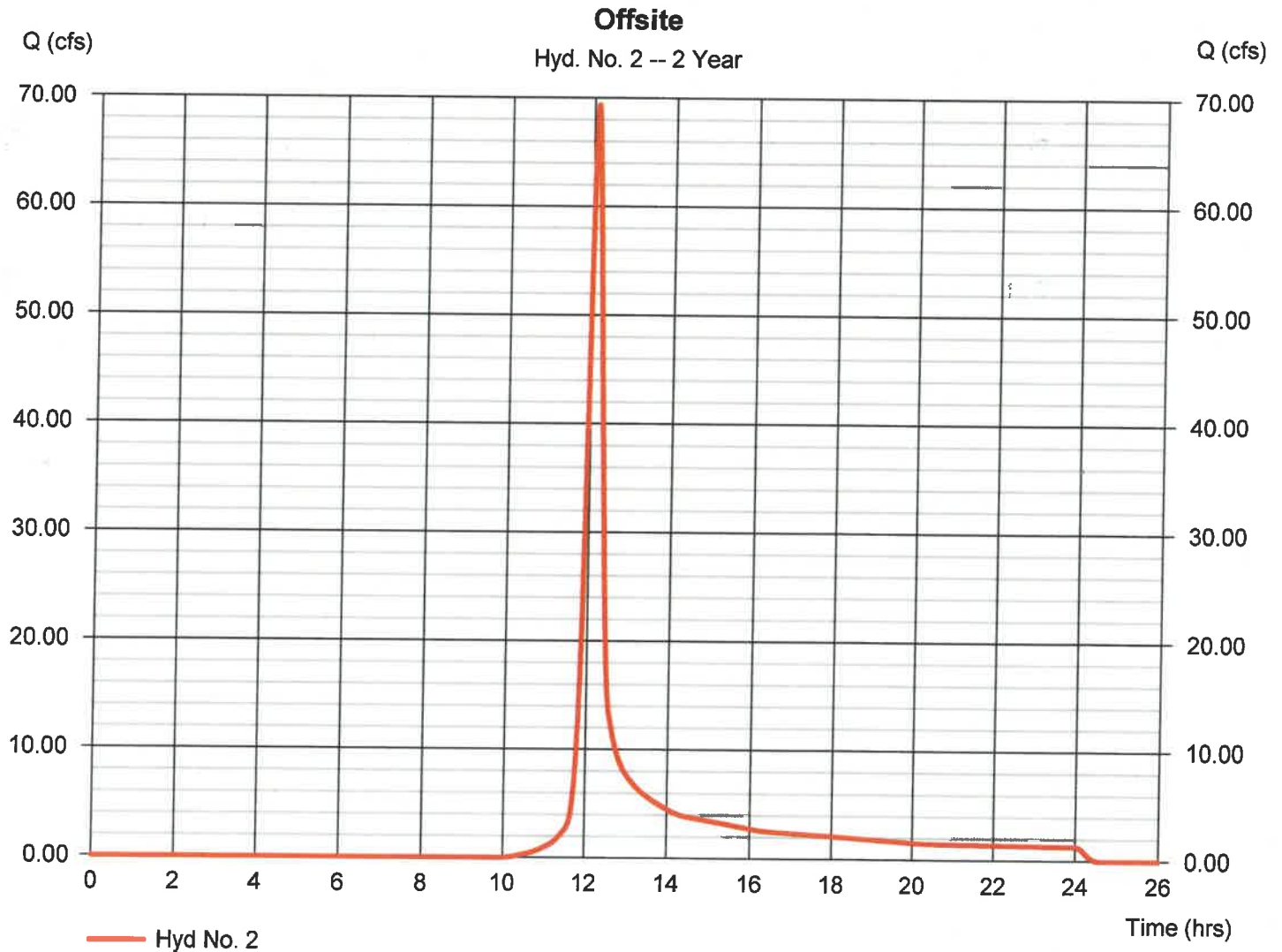
Friday, 03 / 10 / 2023

Hyd. No. 2

Offsite

Hydrograph type = SCS Runoff
Storm frequency = 2 yrs
Time interval = 1 min
Drainage area = 71.460 ac
Basin Slope = 0.0 %
Tc method = User
Total precip. = 2.20 in
Storm duration = 24 hrs

Peak discharge = 69.36 cfs
Time to peak = 12.12 hrs
Hyd. volume = 232,716 cuft
Curve number = 84
Hydraulic length = 0 ft
Time of conc. (Tc) = 21.90 min
Distribution = Type II
Shape factor = 484



Hydrograph Report

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Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

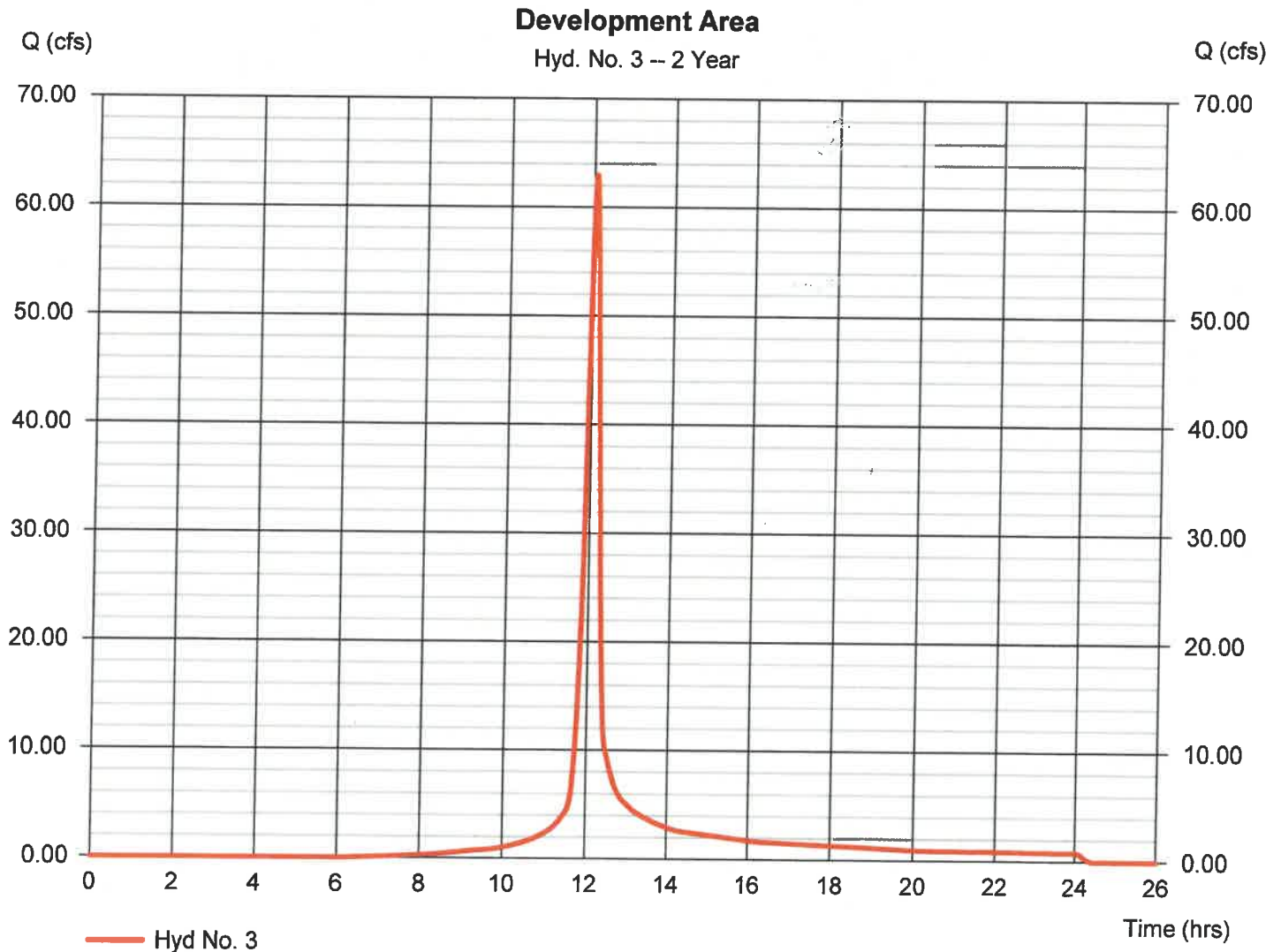
Friday, 03 / 10 / 2023

Hyd. No. 3

Development Area

Hydrograph type = SCS Runoff
Storm frequency = 2 yrs
Time interval = 1 min
Drainage area = 36.940 ac
Basin Slope = 0.0 %
Tc method = User
Total precip. = 2.20 in
Storm duration = 24 hrs

Peak discharge = 62.99 cfs
Time to peak = 12.07 hrs
Hyd. volume = 187,936 cuft
Curve number = 92
Hydraulic length = 0 ft
Time of conc. (Tc) = 17.90 min
Distribution = Type II
Shape factor = 484



Hydrograph Report

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Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

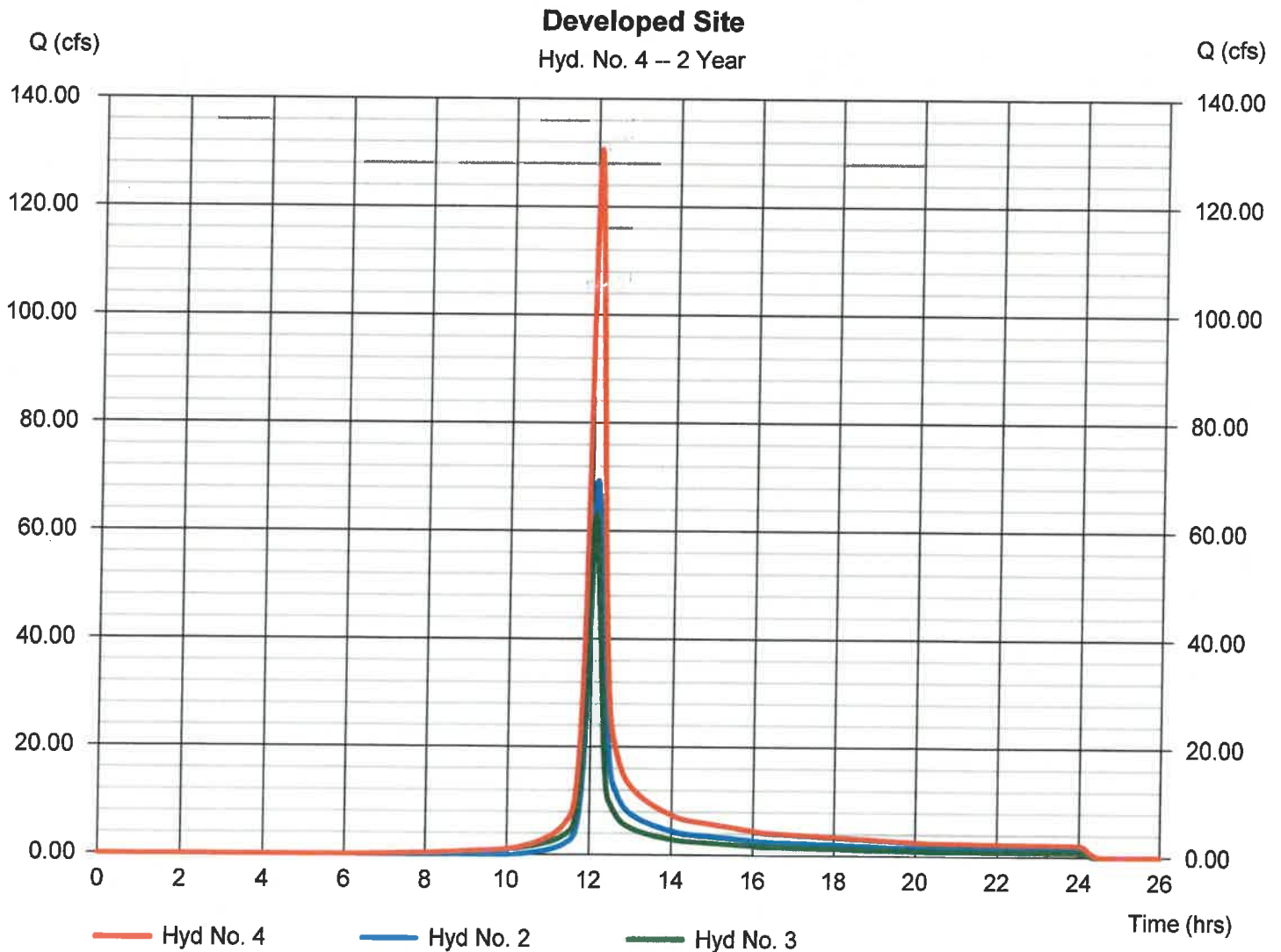
Friday, 03 / 10 / 2023

Hyd. No. 4

Developed Site

Hydrograph type = Combine
Storm frequency = 2 yrs
Time interval = 1 min
Inflow hyds. = 2, 3

Peak discharge = 130.66 cfs
Time to peak = 12.08 hrs
Hyd. volume = 420,652 cuft
Contrib. drain. area = 108.400 ac



Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

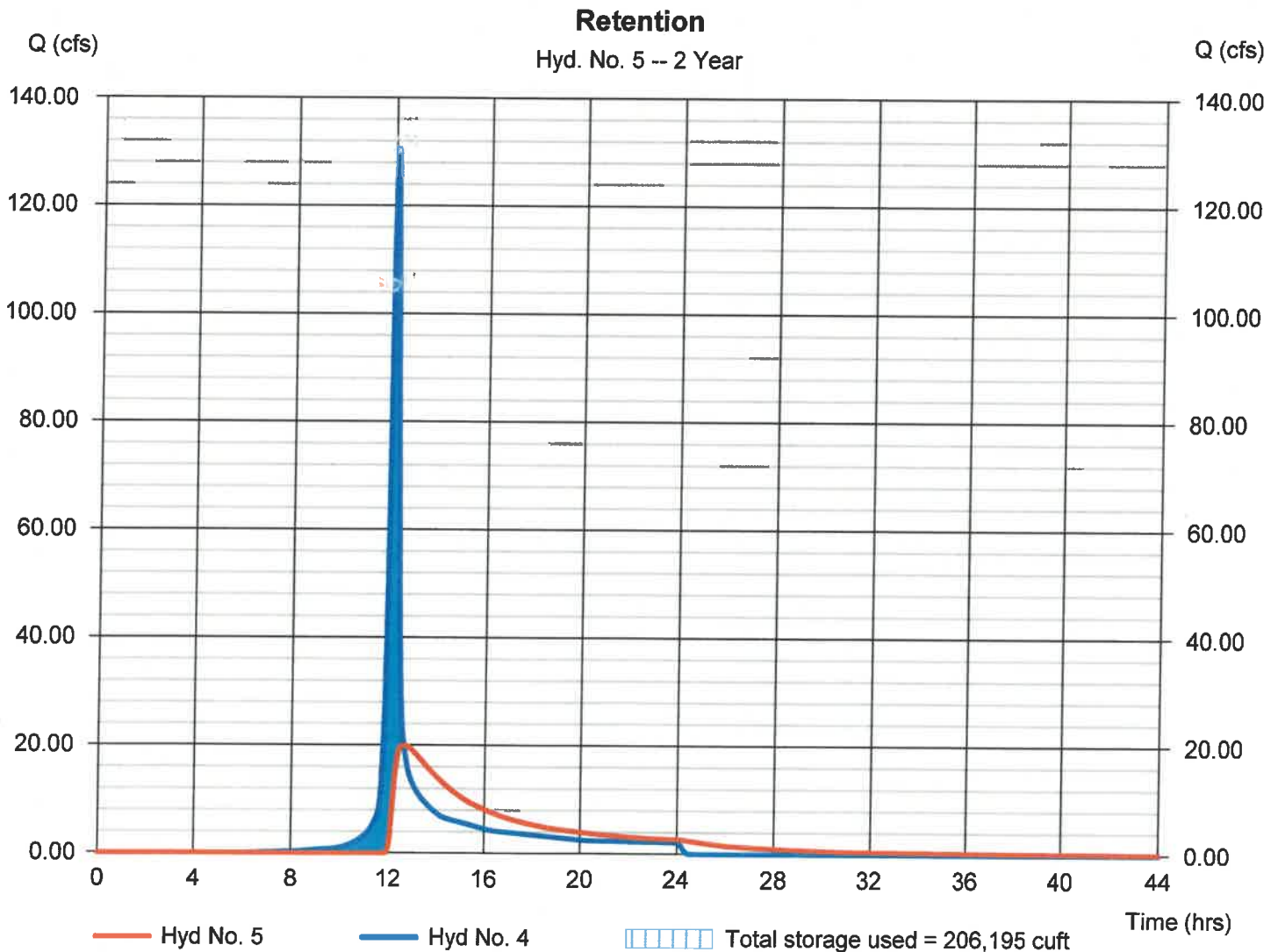
Friday, 03 / 10 / 2023

Hyd. No. 5

Retention

Hydrograph type	= Reservoir	Peak discharge	= 20.00 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.60 hrs
Time interval	= 1 min	Hyd. volume	= 369,695 cuft
Inflow hyd. No.	= 4 - Developed Site	Max. Elevation	= 949.23 ft
Reservoir name	= Retention Basin	Max. Storage	= 206,195 cuft

Storage Indication method used.



Pond Report

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Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

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Pond No. 1 - Retention Basin

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 948.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	948.00	159,089	0	0
1.00	949.00	173,761	166,354	166,354
2.00	950.00	178,766	176,240	342,594
3.00	951.00	183,827	181,273	523,867
4.00	952.00	188,945	186,362	710,228
5.00	953.00	194,119	191,507	901,735
6.00	954.00	199,350	196,709	1,098,445

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 72.00	36.00	0.00	0.00
Span (in)	= 72.00	36.00	0.00	0.00
No. Barrels	= 3	3	0	0
Invert El. (ft)	= 948.00	948.25	0.00	0.00
Length (ft)	= 72.00	1.00	0.00	0.00
Slope (%)	= 1.00	1.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 18.00	150.00	0.00	0.00
Crest El. (ft)	= 952.50	954.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= Rect	Rect	---	---
Multi-Stage	= Yes	Yes	No	No
Exfil.(in/hr)	= 0.000 (by Contour)			
TW Elev. (ft)	= 0.00			

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).

Stage / Storage / Discharge Table

Stage ft	Storage cuft	Elevation ft	Clv A cfs	Clv B cfs	Clv C cfs	PrfRsr cfs	Wr A cfs	Wr B cfs	Wr C cfs	Wr D cfs	Exfil cfs	User cfs	Total cfs
0.00	0	948.00	0.00	0.00	---	---	0.00	0.00	---	---	---	---	0.000
0.10	16,635	948.10	0.00	0.00	---	---	0.00	0.00	---	---	---	---	0.000
0.20	33,271	948.20	0.00	0.00	---	---	0.00	0.00	---	---	---	---	0.000
0.30	49,906	948.30	0.06 ic	0.06 ic	---	---	0.00	0.00	---	---	---	---	0.064
0.40	66,542	948.40	0.55 ic	0.54 ic	---	---	0.00	0.00	---	---	---	---	0.538
0.50	83,177	948.50	1.65 ic	1.52 ic	---	---	0.00	0.00	---	---	---	---	1.517
0.60	99,813	948.60	2.97 ic	2.90 ic	---	---	0.00	0.00	---	---	---	---	2.896
0.70	116,448	948.70	4.93 ic	4.64 ic	---	---	0.00	0.00	---	---	---	---	4.645
0.80	133,084	948.80	6.94 ic	6.94 ic	---	---	0.00	0.00	---	---	---	---	6.942
0.90	149,719	948.90	9.43 ic	9.43 ic	---	---	0.00	0.00	---	---	---	---	9.430
1.00	166,354	949.00	12.50 ic	12.38 ic	---	---	0.00	0.00	---	---	---	---	12.38
1.10	183,978	949.10	16.25 ic	15.55 ic	---	---	0.00	0.00	---	---	---	---	15.55
1.20	201,602	949.20	19.15 ic	19.15 ic	---	---	0.00	0.00	---	---	---	---	19.15
1.30	219,226	949.30	22.42 ic	22.41 ic	---	---	0.00	0.00	---	---	---	---	22.41
1.40	236,850	949.40	26.23 ic	26.23 ic	---	---	0.00	0.00	---	---	---	---	26.23
1.50	254,474	949.50	30.12 ic	30.12 ic	---	---	0.00	0.00	---	---	---	---	30.12
1.60	272,098	949.60	34.31 ic	34.31 ic	---	---	0.00	0.00	---	---	---	---	34.31
1.70	289,722	949.70	39.06 ic	38.34 ic	---	---	0.00	0.00	---	---	---	---	38.34
1.80	307,346	949.80	44.25 ic	43.24 ic	---	---	0.00	0.00	---	---	---	---	43.24
1.90	324,970	949.90	47.61 ic	47.61 ic	---	---	0.00	0.00	---	---	---	---	47.61
2.00	342,594	950.00	52.87 ic	52.87 ic	---	---	0.00	0.00	---	---	---	---	52.87
2.10	360,222	950.10	59.12 ic	57.12 ic	---	---	0.00	0.00	---	---	---	---	57.12
2.20	378,849	950.20	62.86 ic	62.86 ic	---	---	0.00	0.00	---	---	---	---	62.86
2.30	396,976	950.30	69.40 ic	67.69 ic	---	---	0.00	0.00	---	---	---	---	67.69
2.40	415,103	950.40	73.44 ic	73.43 ic	---	---	0.00	0.00	---	---	---	---	73.43
2.50	433,231	950.50	80.73 ic	78.56 ic	---	---	0.00	0.00	---	---	---	---	78.56
2.60	451,358	950.60	84.73 ic	84.59 ic	---	---	0.00	0.00	---	---	---	---	84.59
2.70	469,485	950.70	89.41 ic	89.41 ic	---	---	0.00	0.00	---	---	---	---	89.41
2.80	487,612	950.80	97.46 ic	94.41 ic	---	---	0.00	0.00	---	---	---	---	94.41
2.90	505,740	950.90	101.94 ic	99.87 ic	---	---	0.00	0.00	---	---	---	---	99.87
3.00	523,867	951.00	106.53 ic	105.14 ic	---	---	0.00	0.00	---	---	---	---	105.14
3.10	542,503	951.10	111.24 ic	110.11 ic	---	---	0.00	0.00	---	---	---	---	110.11
3.20	561,139	951.20	116.06 ic	114.24 ic	---	---	0.00	0.00	---	---	---	---	114.24
3.30	579,775	951.30	117.27 ic	117.27 ic	---	---	0.00	0.00	---	---	---	---	117.27

Continues on next page...

Retention Basin

Stage / Storage / Discharge Table

Stage ft	Storage cuft	Elevation ft	Clv A cfs	Clv B cfs	Clv C cfs	PrfRsr cfs	Wr A cfs	Wr B cfs	Wr C cfs	Wr D cfs	Exfil cfs	User cfs	Total cfs
3.40	598,411	951.40	121.20 ic	121.20 ic	---	---	0.00	0.00	---	---	---	---	121.20
3.50	617,048	951.50	126.04 ic	123.85 ic	---	---	0.00	0.00	---	---	---	---	123.85
3.60	635,684	951.60	126.88 ic	126.88 ic	---	---	0.00	0.00	---	---	---	---	126.88
3.70	654,320	951.70	131.21 ic	130.22 ic	---	---	0.00	0.00	---	---	---	---	130.22
3.80	672,956	951.80	132.52 ic	132.52 ic	---	---	0.00	0.00	---	---	---	---	132.52
3.90	691,592	951.90	136.48 ic	136.28 ic	---	---	0.00	0.00	---	---	---	---	136.28
4.00	710,228	952.00	141.86 ic	138.37 ic	---	---	0.00	0.00	---	---	---	---	138.37
4.10	729,379	952.10	141.97 ic	141.96 ic	---	---	0.00	0.00	---	---	---	---	141.96
4.20	748,530	952.20	147.35 ic	144.07 ic	---	---	0.00	0.00	---	---	---	---	144.07
4.30	767,681	952.30	147.50 ic	147.49 ic	---	---	0.00	0.00	---	---	---	---	147.49
4.40	786,831	952.40	152.94 ic	149.55 ic	---	---	0.00	0.00	---	---	---	---	149.55
4.50	805,982	952.50	152.97 ic	152.97 ic	---	---	0.00	0.00	---	---	---	---	152.97
4.60	825,133	952.60	157.78 oc	154.84 ic	---	---	1.89	0.00	---	---	---	---	156.73
4.70	844,283	952.70	162.17 oc	156.64 ic	---	---	5.35	0.00	---	---	---	---	162.00
4.80	863,434	952.80	171.03 oc	156.90 ic	---	---	9.84	0.00	---	---	---	---	166.74
4.90	882,585	952.90	175.51 oc	158.67 ic	---	---	15.15	0.00	---	---	---	---	173.82
5.00	901,735	953.00	184.52 oc	158.91 ic	---	---	21.19	0.00	---	---	---	---	180.10
5.10	921,406	953.10	189.05 oc	160.64 ic	---	---	27.86	0.00	---	---	---	---	188.50
5.20	941,077	953.20	198.17 oc	160.85 ic	---	---	35.10	0.00	---	---	---	---	195.95
5.30	960,748	953.30	207.33 oc	161.04 ic	---	---	42.88	0.00	---	---	---	---	203.93
5.40	980,419	953.40	216.52 oc	161.23 ic	---	---	51.17	0.00	---	---	---	---	212.40
5.50	1,000,090	953.50	225.72 oc	161.42 ic	---	---	59.93	0.00	---	---	---	---	221.34
5.60	1,019,761	953.60	234.91 oc	161.60 ic	---	---	69.14	0.00	---	---	---	---	230.74
5.70	1,039,432	953.70	244.07 oc	161.79 ic	---	---	78.78	0.00	---	---	---	---	240.56
5.80	1,059,103	953.80	253.18 oc	161.98 ic	---	---	88.82	0.00	---	---	---	---	250.81
5.90	1,078,773	953.90	262.23 oc	162.19 ic	---	---	99.27	0.00	---	---	---	---	261.45
6.00	1,098,445	954.00	271.19 oc	161.07 ic	---	---	110.12	0.00	---	---	---	---	271.19

...End

Hydrograph Summary Report

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Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	SCS Runoff	313.08	1	726	1,030,001	-----	-----	-----	Pre Development
2	SCS Runoff	206.39	1	726	679,002	-----	-----	-----	Offsite
3	SCS Runoff	143.94	1	723	445,352	-----	-----	-----	Development Area
4	Combine	347.05	1	725	1,124,354	2, 3	-----	-----	Developed Site
5	Reservoir	102.67	1	743	1,072,713	4	950.95	515,367	Retention
Z:\acad\COLBERN ROAD INVESTMENTS L&E\Storm Study\SENIOR STAGE, COLBERN ROAD INVESTMENTS.gpw					SMO-Storm Study SENIOR STAGE, COLBERN ROAD INVESTMENTS.gpw				

Hydrograph Report

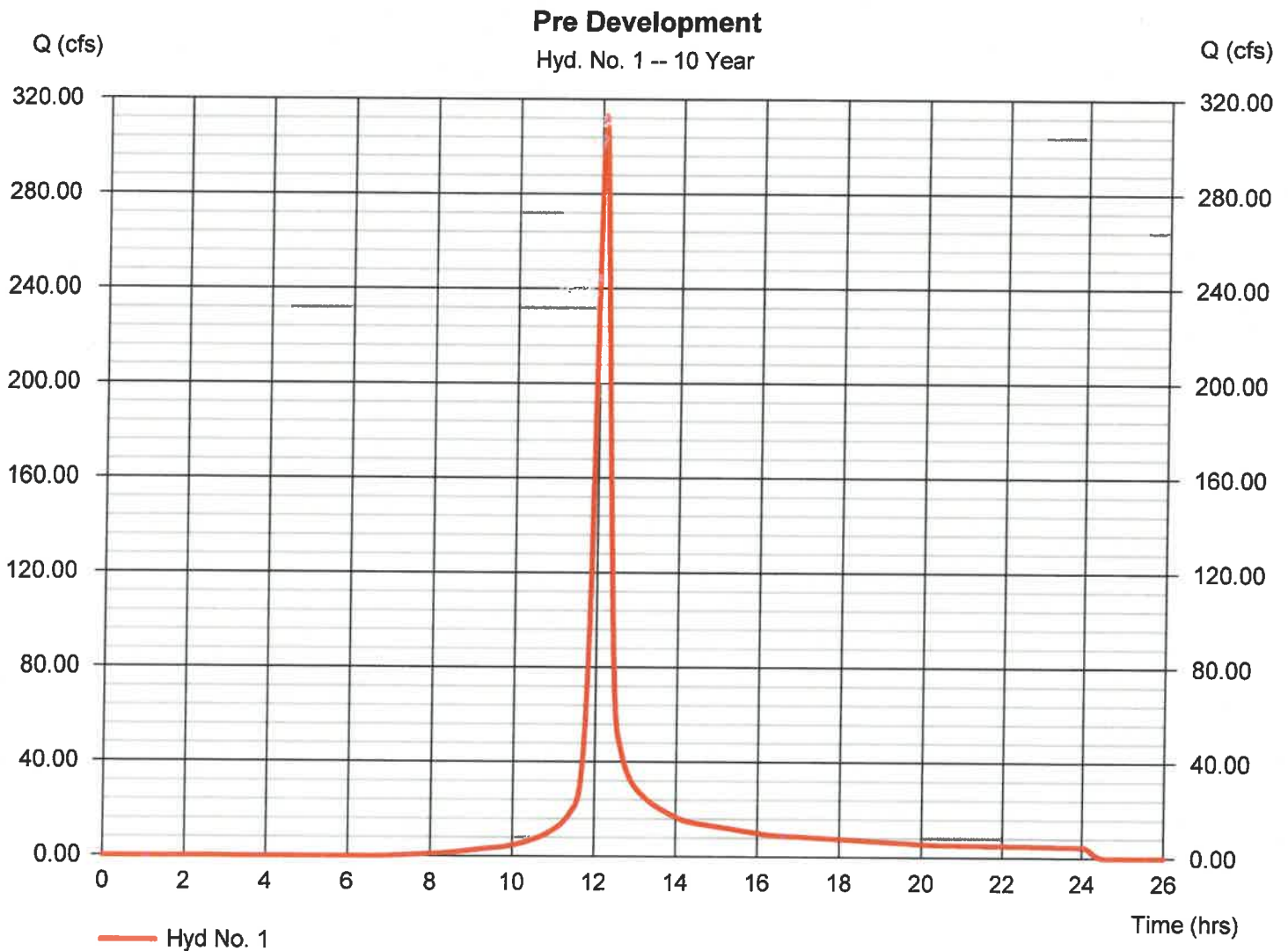
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Friday, 03 / 10 / 2023

Hyd. No. 1

Pre Development

Hydrograph type	= SCS Runoff	Peak discharge	= 313.08 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.10 hrs
Time interval	= 1 min	Hyd. volume	= 1,030,001 cuft
Drainage area	= 108.400 ac	Curve number	= 84
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 21.90 min
Total precip.	= 4.25 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484



Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

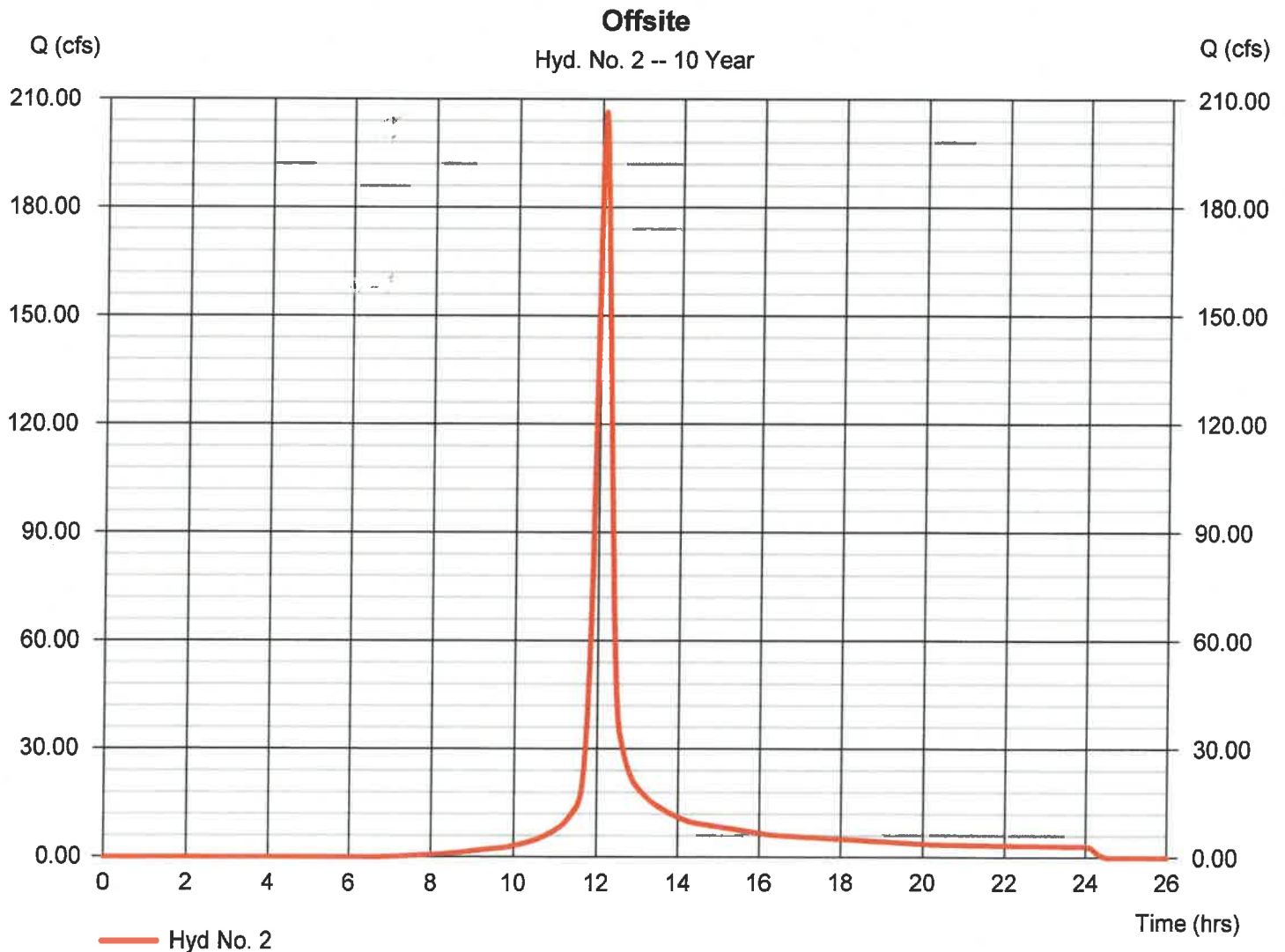
Friday, 03 / 10 / 2023

Hyd. No. 2

Offsite

Hydrograph type = SCS Runoff
 Storm frequency = 10 yrs
 Time interval = 1 min
 Drainage area = 71.460 ac
 Basin Slope = 0.0 %
 Tc method = User
 Total precip. = 4.25 in
 Storm duration = 24 hrs

Peak discharge = 206.39 cfs
 Time to peak = 12.10 hrs
 Hyd. volume = 679,002 cuft
 Curve number = 84
 Hydraulic length = 0 ft
 Time of conc. (Tc) = 21.90 min
 Distribution = Type II
 Shape factor = 484



Hydrograph Report

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Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

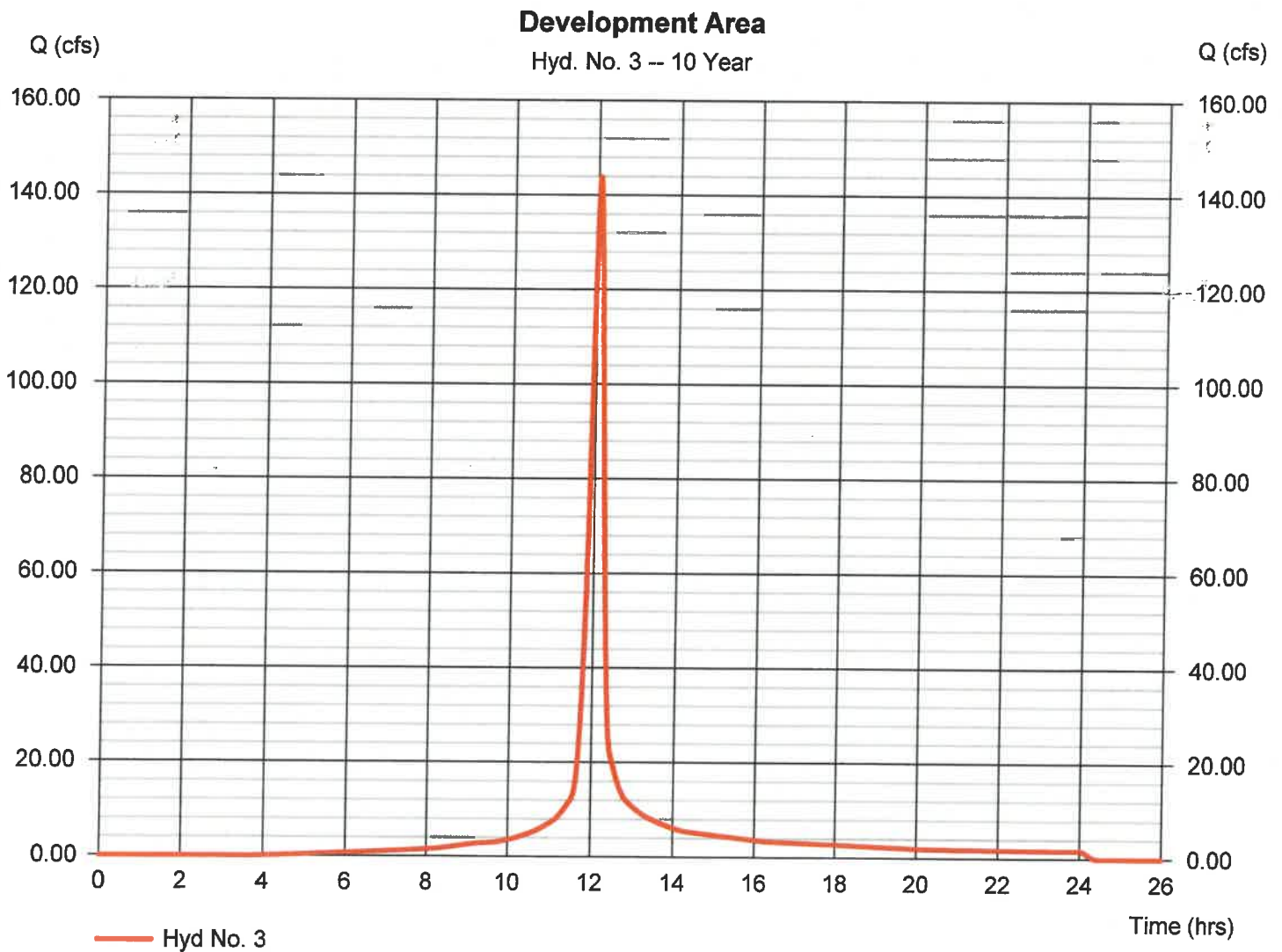
Friday, 03 / 10 / 2023

Hyd. No. 3

Development Area

Hydrograph type = SCS Runoff
Storm frequency = 10 yrs
Time interval = 1 min
Drainage area = 36.940 ac
Basin Slope = 0.0 %
Tc method = User
Total precip. = 4.25 in
Storm duration = 24 hrs

Peak discharge = 143.94 cfs
Time to peak = 12.05 hrs
Hyd. volume = 445,352 cuft
Curve number = 92
Hydraulic length = 0 ft
Time of conc. (Tc) = 17.90 min
Distribution = Type II
Shape factor = 484



Hydrograph Report

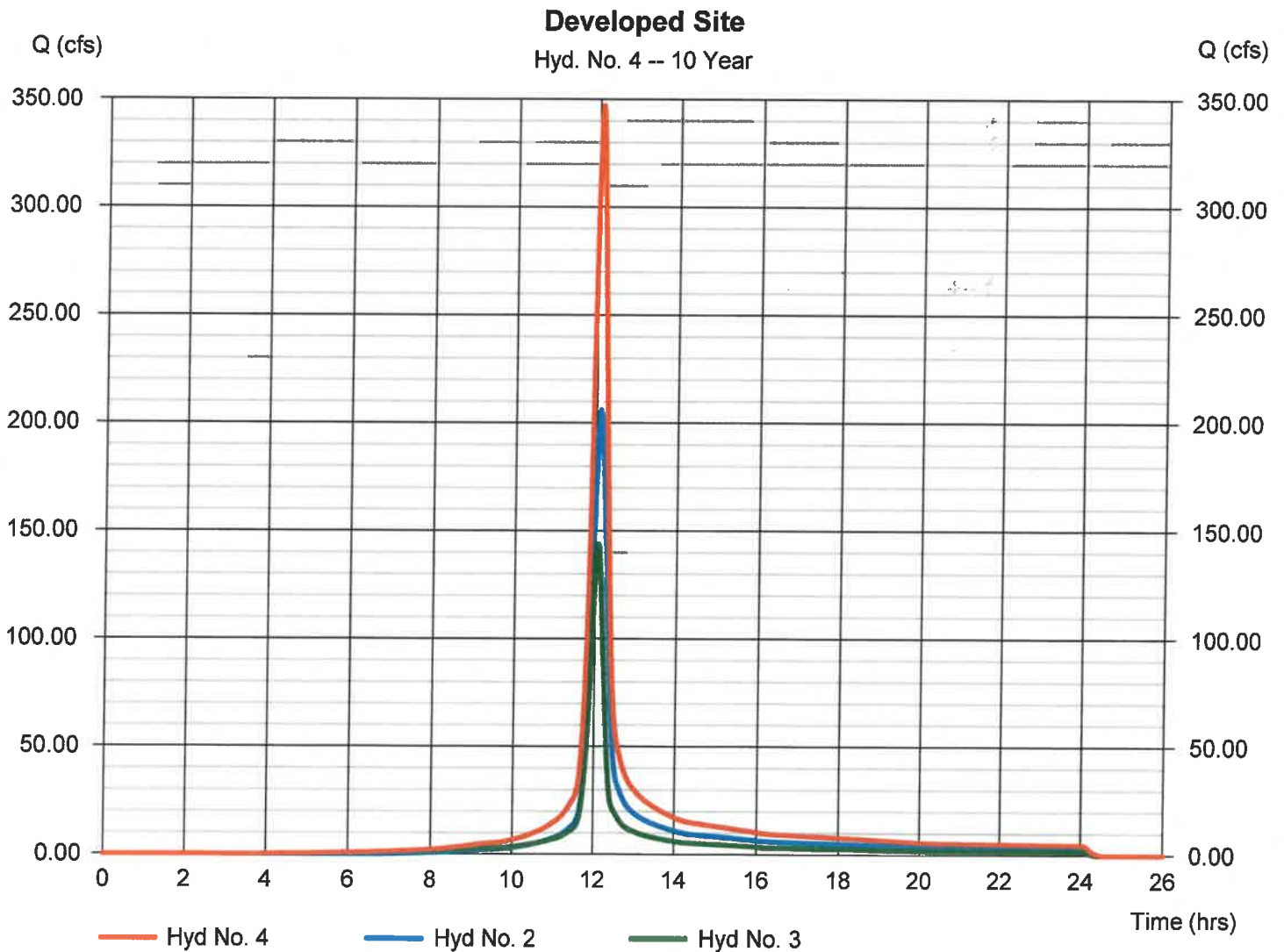
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Friday, 03 / 10 / 2023

Hyd. No. 4

Developed Site

Hydrograph type	= Combine	Peak discharge	= 347.05 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.08 hrs
Time interval	= 1 min	Hyd. volume	= 1,124,354 cuft
Inflow hyds.	= 2, 3	Contrib. drain. area	= 108.400 ac



Hydrograph Report

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Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

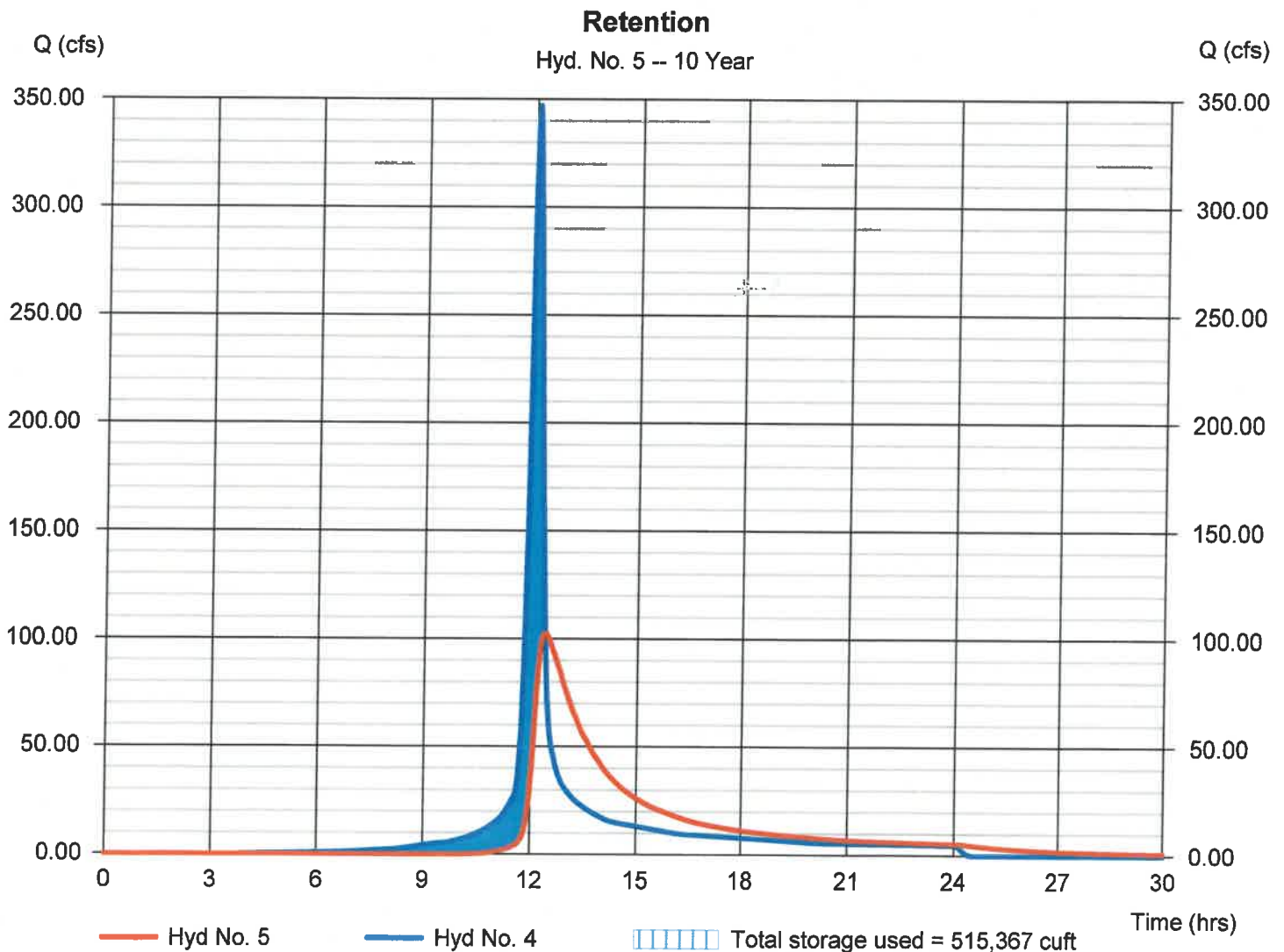
Friday, 03 / 10 / 2023

Hyd. No. 5

Retention

Hydrograph type	= Reservoir	Peak discharge	= 102.67 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.38 hrs
Time interval	= 1 min	Hyd. volume	= 1,072,713 cuft
Inflow hyd. No.	= 4 - Developed Site	Max. Elevation	= 950.95 ft
Reservoir name	= Retention Basin	Max. Storage	= 515,367 cuft

Storage Indication method used.



Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	SCS Runoff	711.09	1	726	2,402,426	-----	-----	-----	Pre Development
2	SCS Runoff	468.77	1	726	1,583,739	-----	-----	-----	Offsite
3	SCS Runoff	288.05	1	723	927,181	-----	-----	-----	Development Area
4	Combine	750.81	1	725	2,510,918	2, 3	-----	-----	Developed Site
5	Reservoir	254.39	1	741	2,458,756	4	953.83	1,065,731	Retention

Hydrograph Report

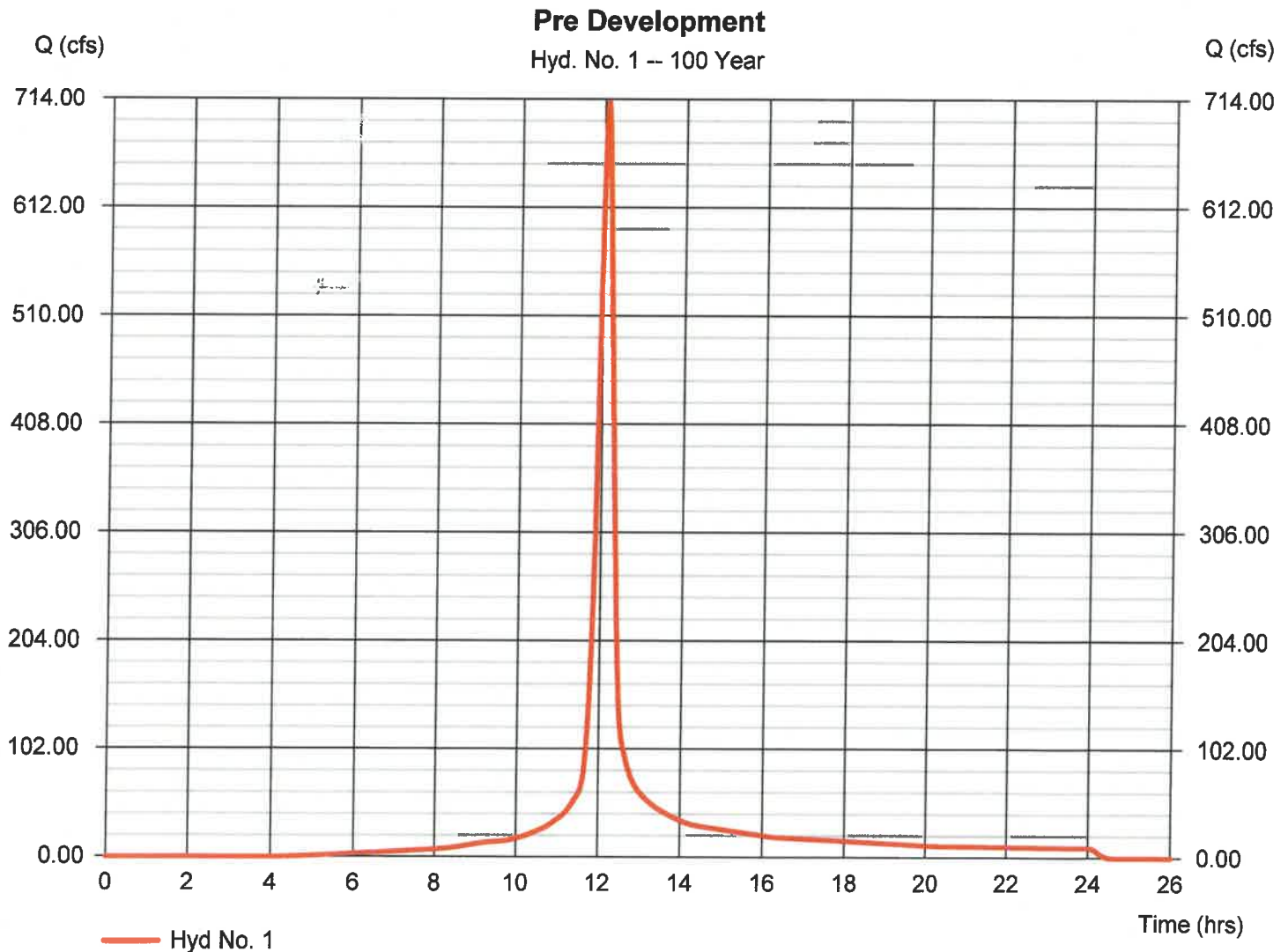
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Friday, 03 / 10 / 2023

Hyd. No. 1

Pre Development

Hydrograph type	= SCS Runoff	Peak discharge	= 711.09 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.10 hrs
Time interval	= 1 min	Hyd. volume	= 2,402,426 cuft
Drainage area	= 108.400 ac	Curve number	= 84
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 21.90 min
Total precip.	= 7.95 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484



Hydrograph Report

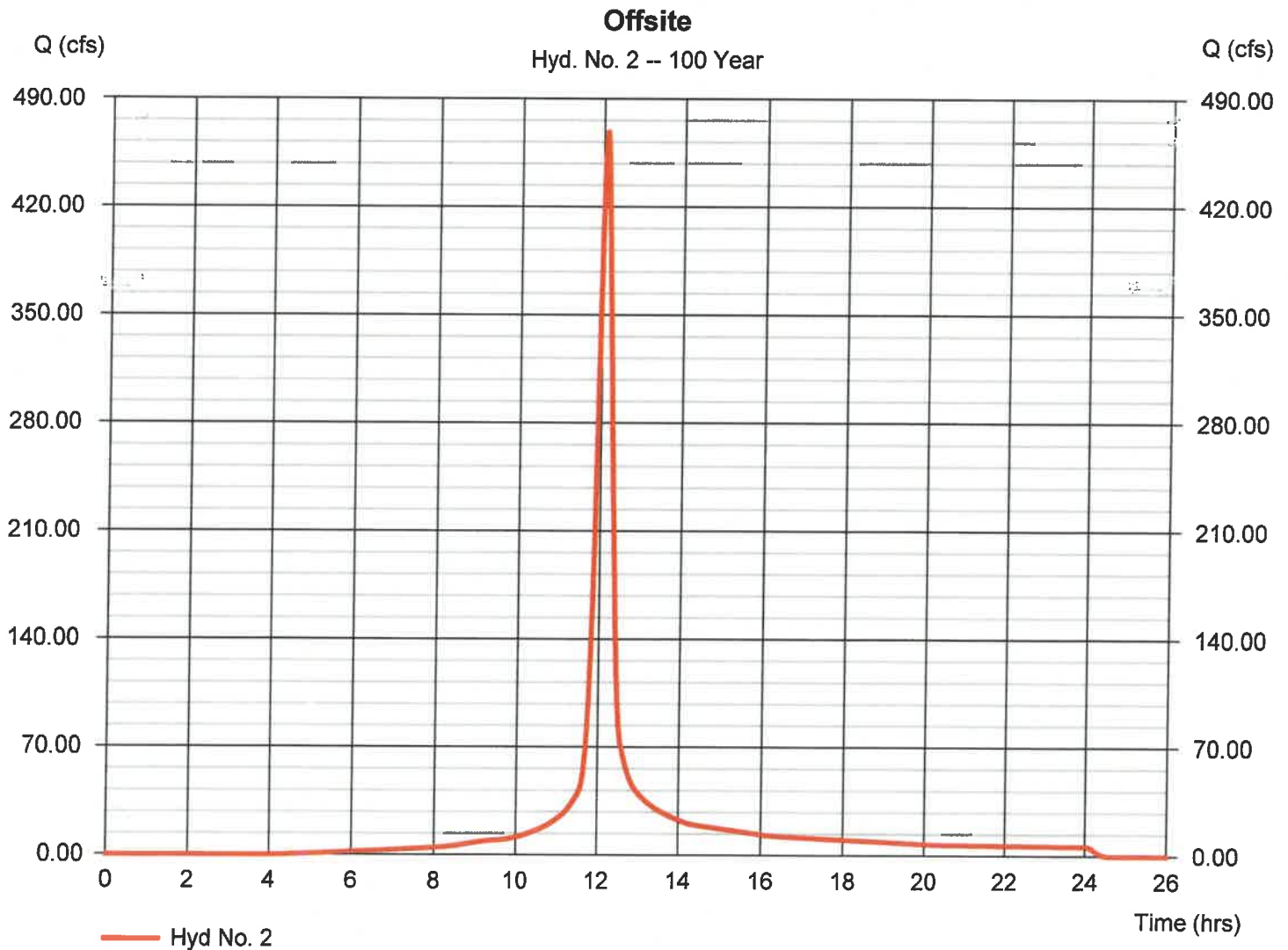
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Friday, 03 / 10 / 2023

Hyd. No. 2

Offsite

Hydrograph type	= SCS Runoff	Peak discharge	= 468.77 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.10 hrs
Time interval	= 1 min	Hyd. volume	= 1,583,739 cuft
Drainage area	= 71.460 ac	Curve number	= 84
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 21.90 min
Total precip.	= 7.95 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484



Hydrograph Report

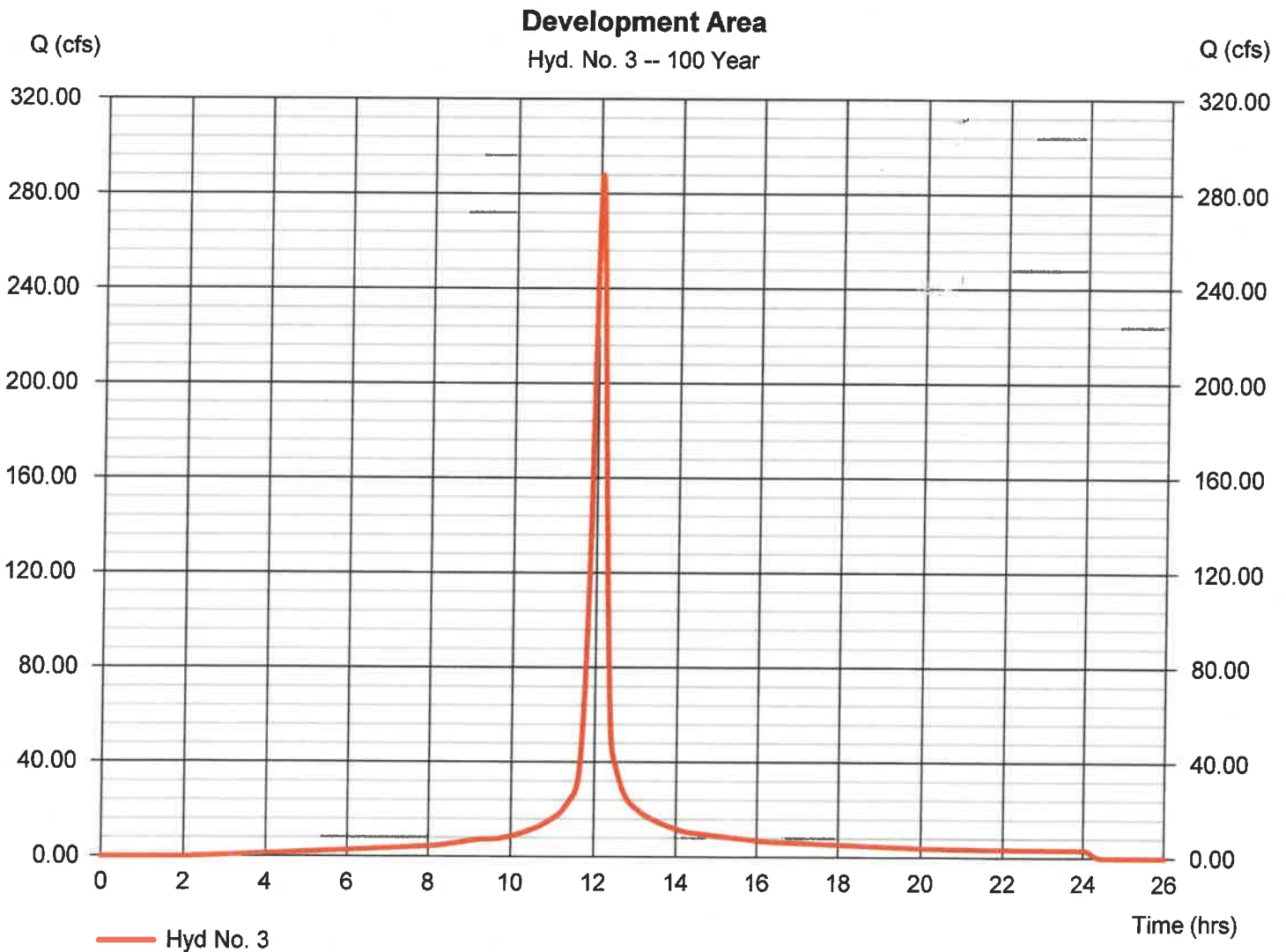
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Friday, 03 / 10 / 2023

Hyd. No. 3

Development Area

Hydrograph type	= SCS Runoff	Peak discharge	= 288.05 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.05 hrs
Time interval	= 1 min	Hyd. volume	= 927,181 cuft
Drainage area	= 36.940 ac	Curve number	= 92
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 17.90 min
Total precip.	= 7.95 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484



Hydrograph Report

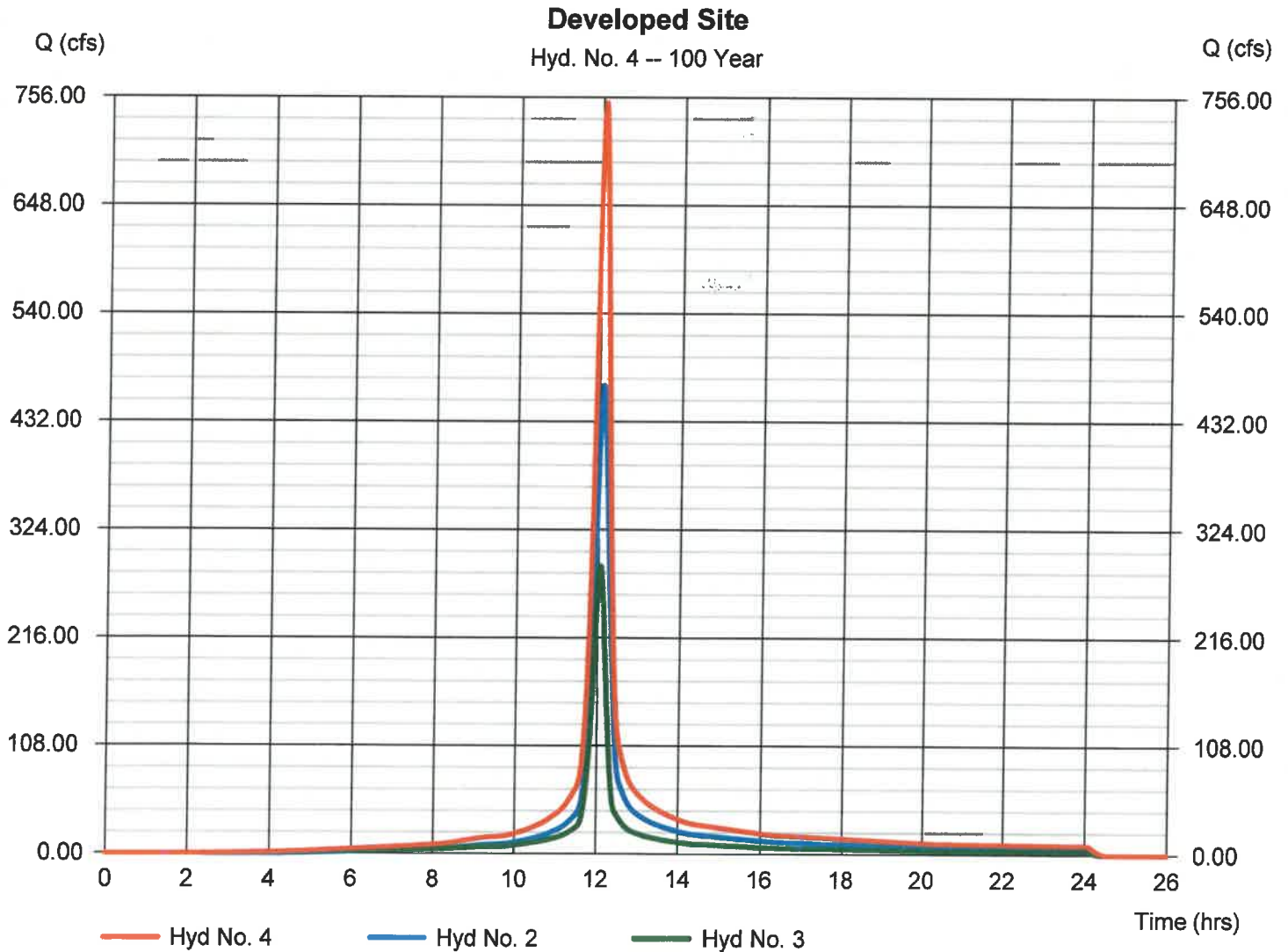
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Friday, 03 / 10 / 2023

Hyd. No. 4

Developed Site

Hydrograph type	= Combine	Peak discharge	= 750.81 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.08 hrs
Time interval	= 1 min	Hyd. volume	= 2,510,918 cuft
Inflow hyds.	= 2, 3	Contrib. drain. area	= 108.400 ac



Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

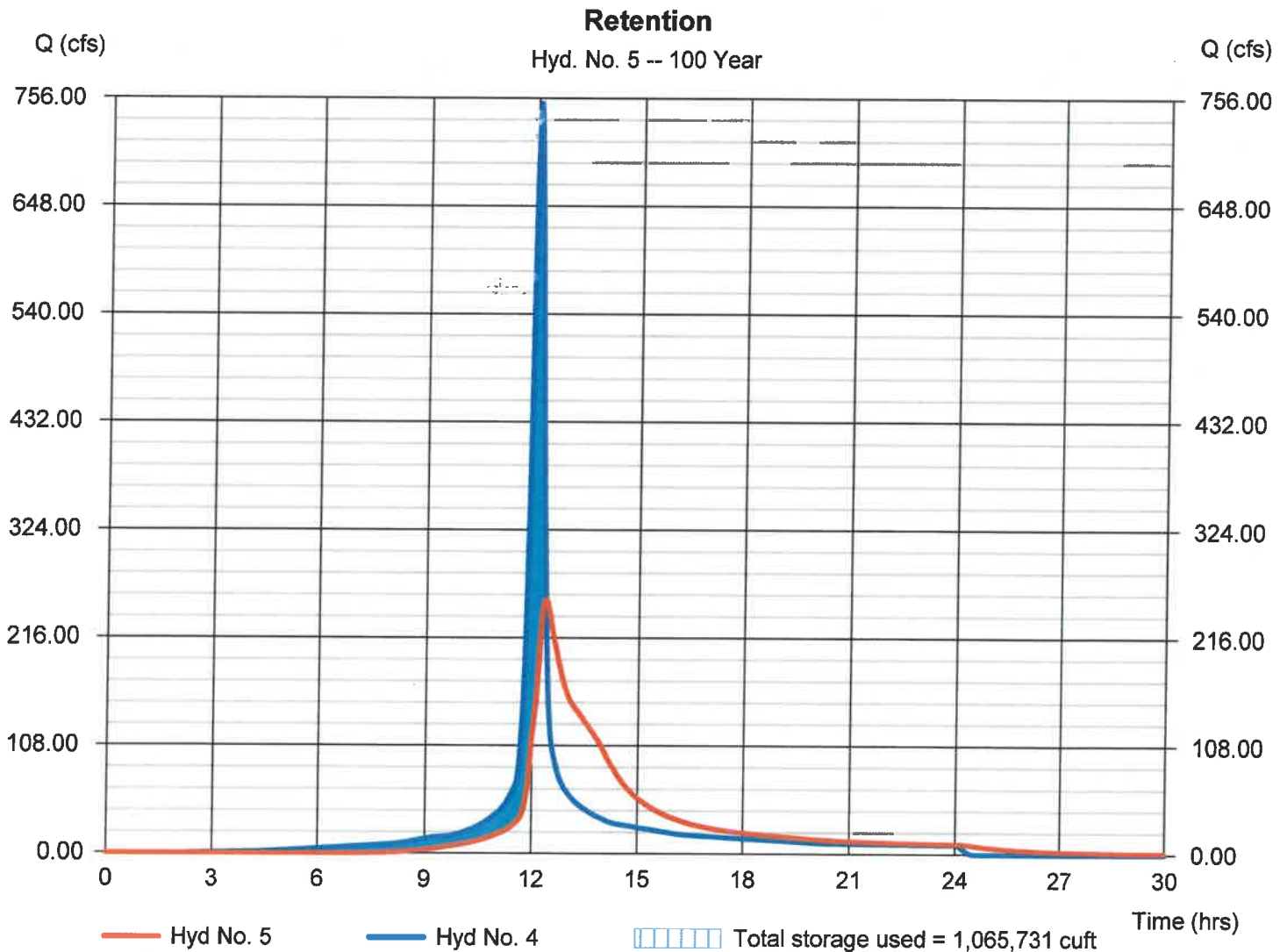
Friday, 03 / 10 / 2023

Hyd. No. 5

Retention

Hydrograph type	= Reservoir	Peak discharge	= 254.39 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.35 hrs
Time interval	= 1 min	Hyd. volume	= 2,458,756 cuft
Inflow hyd. No.	= 4 - Developed Site	Max. Elevation	= 953.83 ft
Reservoir name	= Retention Basin	Max. Storage	= 1,065,731 cuft

Storage Indication method used.



Hydraflow Rainfall Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Friday, 03 / 10 / 2023

Return Period (Yrs)	Intensity-Duration-Frequency Equation Coefficients (FHA)			
	B	D	E	(N/A)
1	0.0000	0.0000	0.0000	-----
2	69.8703	13.1000	0.8658	-----
3	0.0000	0.0000	0.0000	-----
5	79.2597	14.6000	0.8369	-----
10	88.2351	15.5000	0.8279	-----
25	102.6072	16.5000	0.8217	-----
50	114.8193	17.2000	0.8199	-----
100	127.1596	17.8000	0.8186	-----

File name: SampleFHA.idf

$$\text{Intensity} = B / (T_c + D)^E$$

Return Period (Yrs)	Intensity Values (in/hr)											
	5 min	10	15	20	25	30	35	40	45	50	55	60
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	5.69	4.61	3.89	3.38	2.99	2.69	2.44	2.24	2.07	1.93	1.81	1.70
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	6.57	5.43	4.65	4.08	3.65	3.30	3.02	2.79	2.59	2.42	2.27	2.15
10	7.24	6.04	5.21	4.59	4.12	3.74	3.43	3.17	2.95	2.77	2.60	2.46
25	8.25	6.95	6.03	5.34	4.80	4.38	4.02	3.73	3.48	3.26	3.07	2.91
50	9.04	7.65	6.66	5.92	5.34	4.87	4.49	4.16	3.88	3.65	3.44	3.25
100	9.83	8.36	7.30	6.50	5.87	5.36	4.94	4.59	4.29	4.03	3.80	3.60

Tc = time in minutes. Values may exceed 60.

Precip. file name: Sample.pcp

Storm Distribution	Rainfall Precipitation Table (in)							
	1-yr	2-yr	3-yr	5-yr	10-yr	25-yr	50-yr	100-yr
SCS 24-hour	0.00	2.20	0.00	3.30	4.25	5.77	6.80	7.95
SCS 6-Hr	0.00	1.80	0.00	0.00	2.60	0.00	0.00	4.00
Huff-1st	0.00	1.55	0.00	2.75	4.00	5.38	6.50	8.00
Huff-2nd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-3rd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-4th	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-Indy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Custom	0.00	1.75	0.00	2.80	3.90	5.25	6.00	7.10