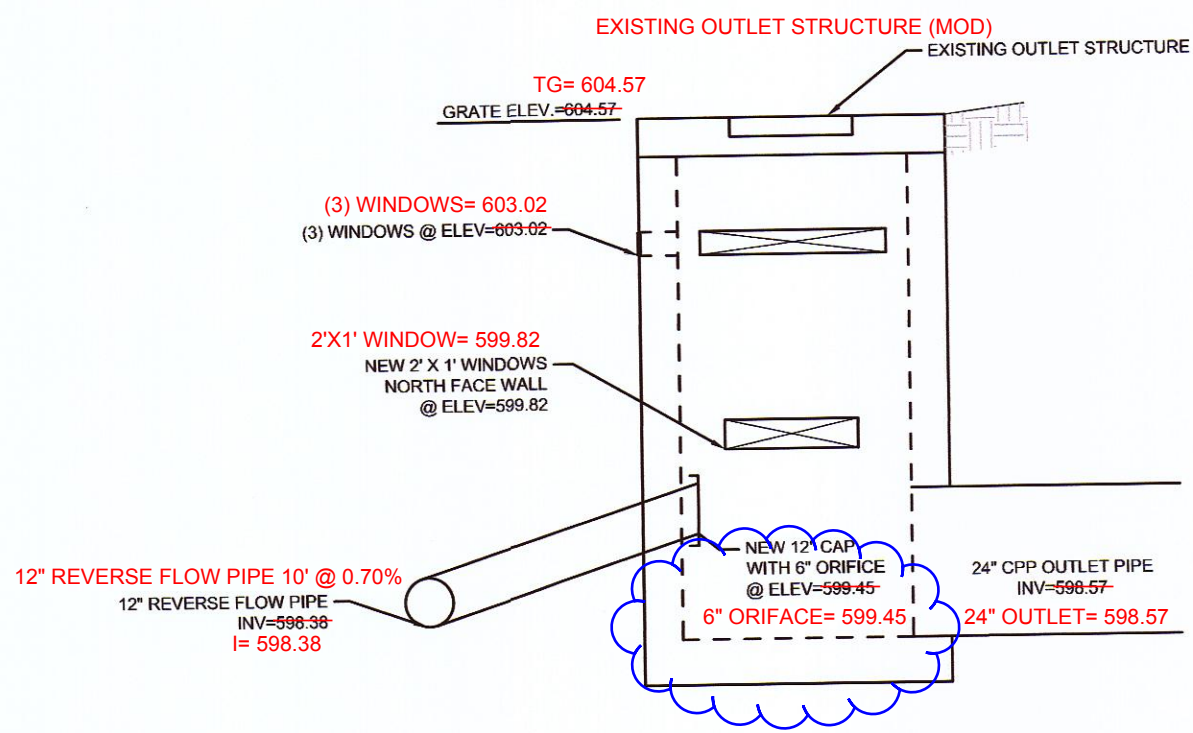
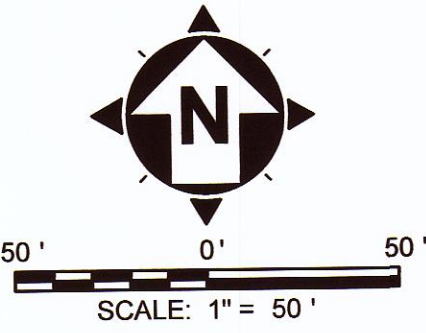
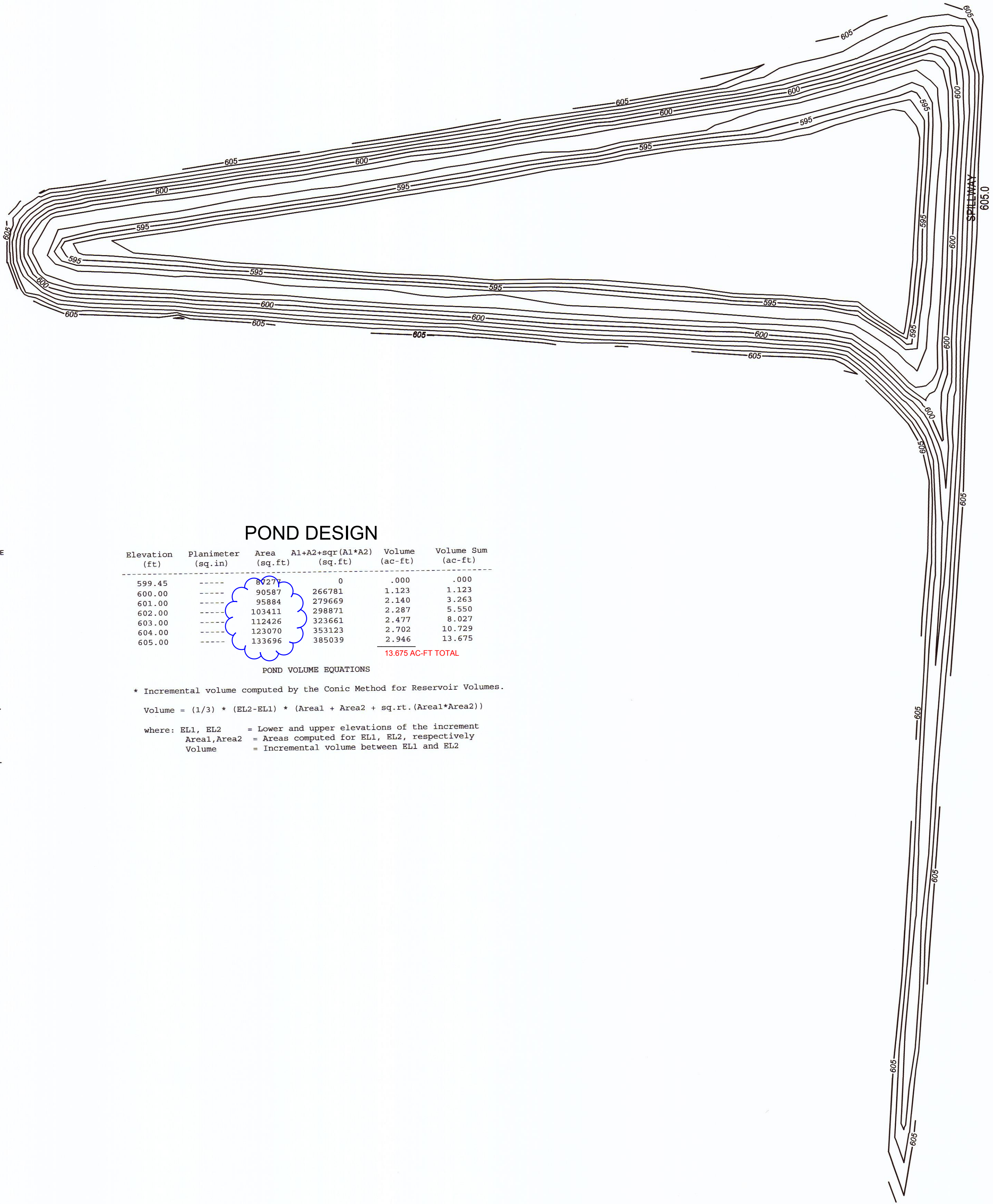


DETENTION BASIN AS-BUILT SURVEY
FOR:
FAIRFIELD LOGISTICS CENTER
7940 SEWARD ROAD
HAMILTON, OHIO



POND DESIGN

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sq.(A1*A2) (sq.ft)	Volume (ac-ft)	Volume Sum (ac-ft)
599.45	8027	0	0	.000	.000
600.00	90587	266781	1.123	1.123	1.123
601.00	95884	279669	2.140	3.263	3.263
602.00	103411	298871	2.287	5.550	5.550
603.00	112426	323661	2.477	8.027	8.027
604.00	123070	353123	2.702	10.729	10.729
605.00	133696	385039	2.946	13.675	13.675
					13.675 AC-FT TOTAL

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.
Volume = (1/3) * (EL2-EL1) * (Areal + Area2 + sq.rt.(Areal*Area2))
where: EL1, EL2 = Lower and upper elevations of the increment
Areal,Area2 = Areas computed for EL1, EL2, respectively
Volume = Incremental volume between EL1 and EL2

As-Built Volume Summary

Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Volume	Full Elev. 605.0	1.00	1.00	131,724.84	38,041.67	- 3.19	= 38,038.48 (23.578 Acre Feet)
							23.578 AC-FT TOTAL POND VOLUME



CT CONSULTANTS, INC.
David Hulsmeyer
DAVID HULSMEYER, REGISTERED SURVEYOR
NO. 8548 IN THE STATE OF OHIO

1/9/2019
DATE

SCALE 1"=50'

DATE 01/04/2019

REVISION

FILE N/A



your trusted advisor
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SHEET 1 OF 1