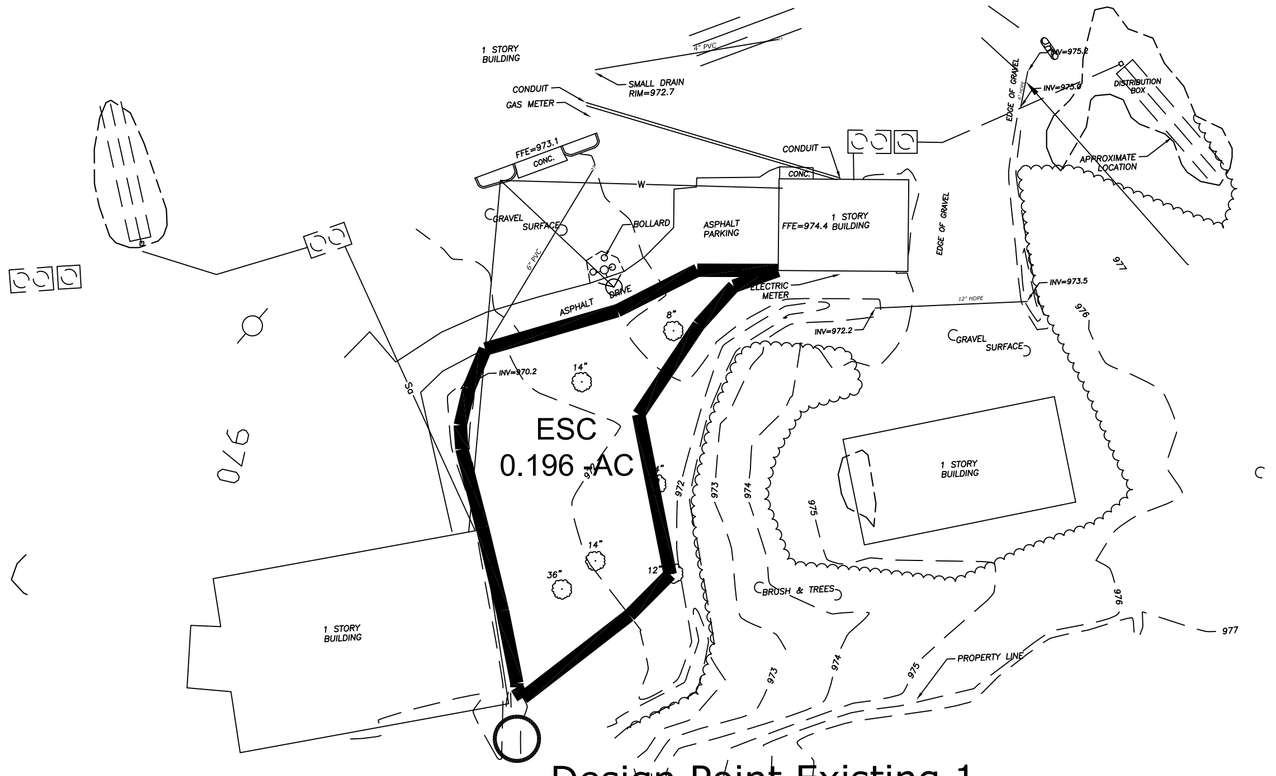
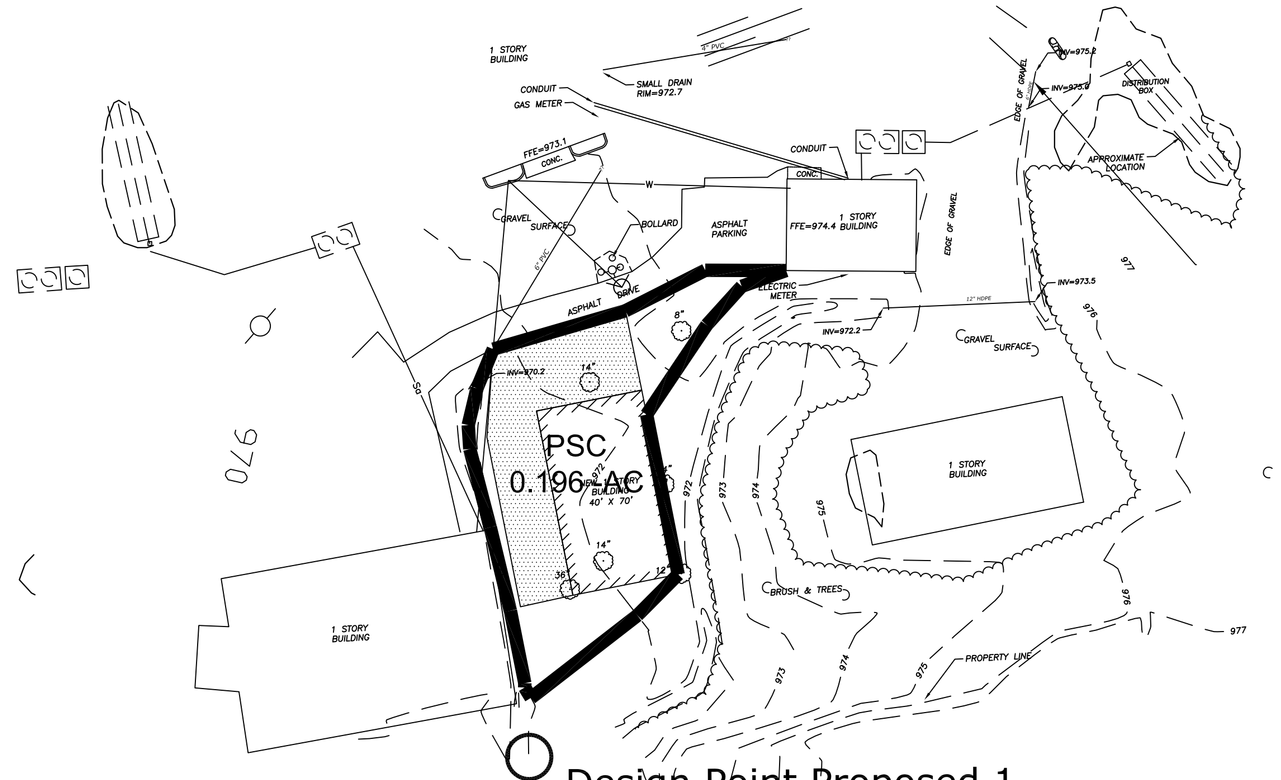
Existing Flow Conditions at Design Point		
Storm Event	Peak Flow (CFS)	Total Volume (AF)
1-Year	0.080	0.004
10-Year	0.035	0.015
100-Year	0.960	0.043

Proposed Flow Conditions at Design Point		
Storm Event	Peak Flow (CFS)	Total Volume (AF)
1-Year	0.034	0.015
10-Year	0.740	0.034
100-Year	1.430	0.070



Design Point Existing 1



Design Point Proposed 1

Existing Subcatchment - ESC
Existing Site Conditions - Area = 8,515-SF (0.196-AC)

Surface Conditions & Soils:
100% Ovid, OaA - Hydrologic Soil Group (HSG) C

Runoff Curve Number = 72, Woods and Brush, Good HSG C Soils

Overland Stormwater Runoff - Longest Flowpath = Time of Conc. - 6 Min Minimum

To Design Point - (DPE)

Proposed Subcatchment - PSC
Proposed Site Conditions - Area = 8,515-SF (0.196-AC)

Surface Conditions & Soils:
100% Ovid, OaA - Hydrologic Soil Group (HSG) C

Runoff Curve Number = 72, Woods and Brush, Good HSG C Soils
Runoff Curve Number = 98, Building and Gravel Parking, Good HSG C Soils

Overland Stormwater Runoff - Longest Flowpath = Time of Conc. 6 Min Miniumum

To Design Point - (DPP)

REFERENCE HYDROCAD (HYDRAULIC & HYDROLOGIC) MODELING RESULTS ABOVE

REVISIONS

No.	Date	SYM.	Description

HYDRAULIC AND HYDROLOGIC
RUNOFF ANALYSIS WORKSHEET
BUILDING EXPANSION

BILL DUTHIE
484 RIDGE ROAD
LANSING (T) TOMPKINS CO. N.Y.

NEW BUILDING
8-18 VERIZON LANE
LANSING, NY 14882

STATE OF NEW YORK — TIMOTHY C. BUHL — LICENSED PROFESSIONAL ENGINEER

TIMOTHY C. BUHL,P.E.
35 FIRE LANE 24, AUBURN, NY 13021

DATE: Sept. 25, 2025
SCALE: 1"=40'
DRAWN: SDG
JOB:
SHEET:
EXP