



EXISTING SUBCATCHMENT (As of 2020)
REFERENCE HYDROCAD (HYDRAULIC & HYDROLOGIC) MODELING RESULTS PRESENTED WITH THESE PLANS

No.	Date	SYM.	Description
	6/15/16		Modified ESC-1 and ESC-2 boundary and notes
	01/31/20		New Owner

EXISTING (2020)
HYDRAULIC AND HYDROLOGIC SUBCATCHMENT
WORKSHEET

PINNEY GRAVEL SITE EXPANSION PERUVILLE RD & SCOFIELD RD (7T) LANSING, NY	O'TOOL'S GRAVEL (7T) LANSING, LANSING, NY
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TIMOTHY C. BUHL, P.E.

GOODRICH HILL ROAD, LOCKENY. 13092 607423-1919

DATE: JUN 22, 2026

SCALE: $1'' = 50'$

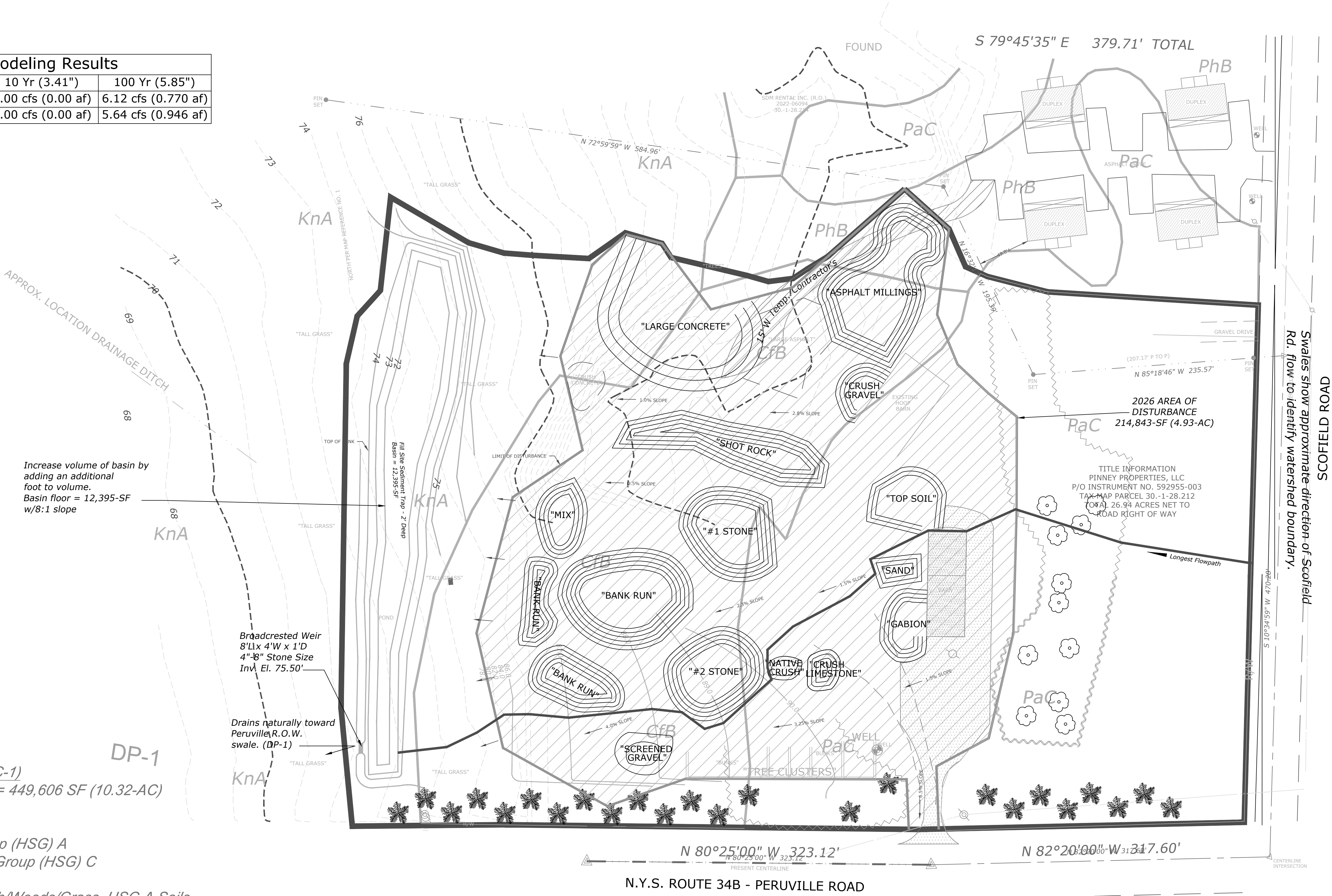
DRAWN: *SDG*

JOB:

SHEET:

S-1

Hydraulic Runoff Modeling Results			
	1 Yr (2.00")	10 Yr (3.41")	100 Yr (5.85")
Existing	0.00 cfs (0.00 af)	0.00 cfs (0.00 af)	6.12 cfs (0.770 af)
Proposed	0.00 cfs (0.00 af)	0.00 cfs (0.00 af)	5.64 cfs (0.946 af)



Proposed Subcatchment - 1 (PSC-1)
Proposed Site Conditions - Area = 449,606 SF (10.32-AC)

Surface Conditions & Soils:
50.0% PaC, Hyrdologic Soil Group (HSG) A
50.0% KnA, CfB Hydrologic Soil Group (HSG) C

Runoff Curve Number = 30, Brush/Weeds/Grass, HSG A Soils
Runoff Curve Number = 65, Brush/Weeds/Grass, HSG C Soils
Runoff Curve Number = 98, Paved Parking and Roofs

Overland Stormwater Runoff - Longest Flowpath = 923 lf +/-
Sheet Flow, Dense Grass - 100 lf @ S = 1.0% avg.
Shallow Concentrated Flow, Unpaved - 823 lf @ S = 1.8% avg.

To Design Point 1 - (DP 1)

REVISIONS

No.	Date	SYN.	Description

PROPOSED (2026)
HYDRAULIC AND HYDROLOGIC SUBCATCHMENT
WORKSHEET

FINNEY GRAVEL SITE EXPANSION
PERUVILLE RD & SCOTFIELD RD
(T) LANISING, LANISING, NY

OTTOLES GRAVEL
(T) LANISING, LANISING, NY

STATE OF NEW YORK
SEAL OF THE ENGINEERING PROFESSION
TIMOTHY C. BUHL, P.E.
LICENSED PROFESSIONAL ENGINEER
NO. 13092 607 423-1019

DATE: JUN 22, 2026
SCALE: 1" = 50'
DRAWN: SDG
JOB:
SHEET: S-2