

Proposed Ur-site subcatchment - 1 (PSC-1)
 Proposed Site Conditions - Area = 206,093 SF (4.73-AC)

Surface Conditions & Soils:
 49% LBB, Lansing Gravelly Silt Loam
 Hydrologic Soil Group (HSG) B
 51% ICB, Iilon Silty Clay Loam, OaA, Ovid Silt Loam
 Hydrologic Soil Group (HSG) C

Runoff Curve Number =

Overland Stormwater Runoff - Longest Flowpath - LF

To Design Point 1 - (DPP 1)

Proposed Subcatchment - 1 (PSC-1)
 Proposed Site Conditions - Area = 198,478 SF (4.56-AC)

Surface Conditions & Soils:
 37% ICB, Conesus Gravelly Silt Loam
 Hydrologic Soil Group (HSG) B
 63% ICB, Iilon Silty Clay Loam
 Hydrologic Soil Group (HSG) C

Runoff Curve Number =

Overland Stormwater Runoff - Longest Flowpath - LF

To Design Point 1 - (DPP 1)

Proposed Subcatchment - 2 (PSC-2)
 Proposed Site Conditions - Area = 296,847 SF (6.81-AC)

Surface Conditions & Soils:
 7% ICB, Conesus Gravelly Silt Loam
 Hydrologic Soil Group (HSG) B
 93% ICB, Iilon Silty Clay Loam
 Hydrologic Soil Group (HSG) C

Runoff Curve Number =

Overland Stormwater Runoff - Longest Flowpath - LF

To Design Point 2 - (DPP 2)

Proposed Subcatchment - 3 (PSC-3)
 Proposed Site Conditions - Area = 190,023 SF (3.44-AC)

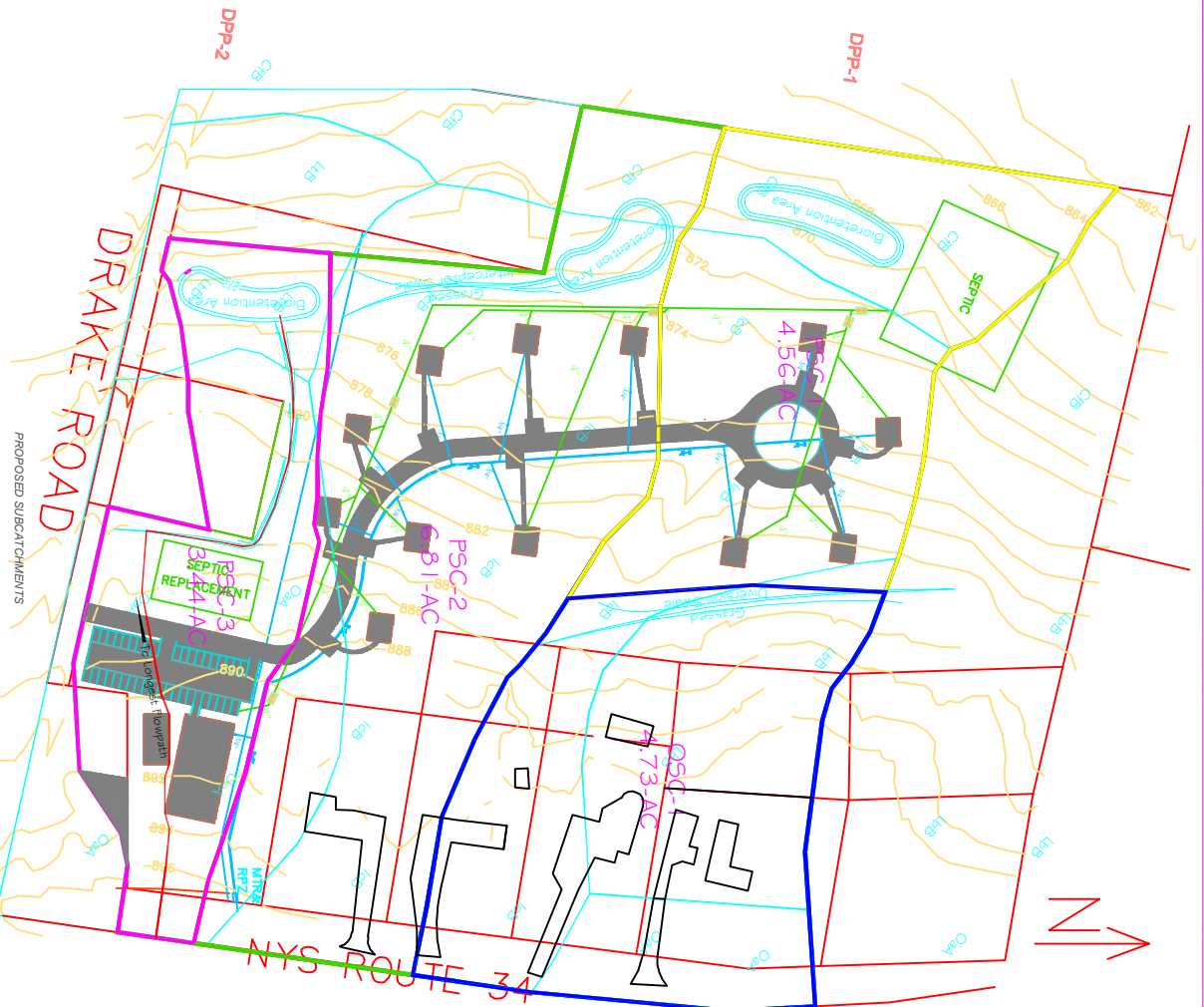
Surface Conditions & Soils:
 83% OaA, Ovid Silt Loam
 Hydrologic Soil Group (HSG) C
 17% ICB, Iilon Silty Clay Loam
 Hydrologic Soil Group (HSG) D

Runoff Curve Number =
 CN 98 - Existing Pavement, Good HSG C Soils
 CN 74 - >75% Grass Cover, Good HSG C Soils
 CN 98 - New Impervious, Good HSG C Soils
 CN 73 - Brush, Good HSG D Soils
 CN 72 - Wood/Grass Comb, Good HSG C Soils

Overland Stormwater Runoff - Longest Flowpath - 904 LF
 Sheet Flow - Wood Lt, Underbrush, 700 LF @ S = 2% avg +/-
 Shallow Conc. - Short Grass, 195 LF @ S = 2.0% avg +/-
 Shallow Conc. - Paved, 100 LF @ S = 3.0% avg +/-
 Shallow Conc. - Grassed Waterway, 126 LF @ S = 2.4% avg +/-
 Trapezoidal Channel - 383 LF @ S = 2.3% avg +/-

To Design Point 2 - (DPP 2)

REFERENCE HYDROCAD (HYDRAULIC & HYDROLOGIC) MODELING RESULTS PRESENTED WITH THESE PLANS



 LAWRENCE FARRINGTON HYDRAULIC ENGINEER	LAWRENCE FARRINGTON, P.E., L.R. 650 POWERS ROAD N. KING FERRY, NEW YORK 13061 Phone: (517) 861-0040	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">1</td> <td style="width: 15%;"></td> <td style="width: 80%;"></td> </tr> <tr> <td>2</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">Rev.</td> <td style="text-align: center;">Date</td> <td style="text-align: center;">Description</td> </tr> </table>	1			2			3			4			5			Rev.	Date	Description
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Date: 03/27/2024 Project No.: SW-7	EAST LAKE COTTAGES LEISURE VILLAGE HYDRAULIC AND HYDROLOGIC WORKSHEET PROPOSED CONDITIONS TOWN OF LANSING, LANSING, NEW YORK																			