

Town of Lyme Point Salubrious

Chaumont

WATER DISTRIBUTION SYSTEM

BCA
ARCHITECTS
ENGINEERS

BCA Project Team

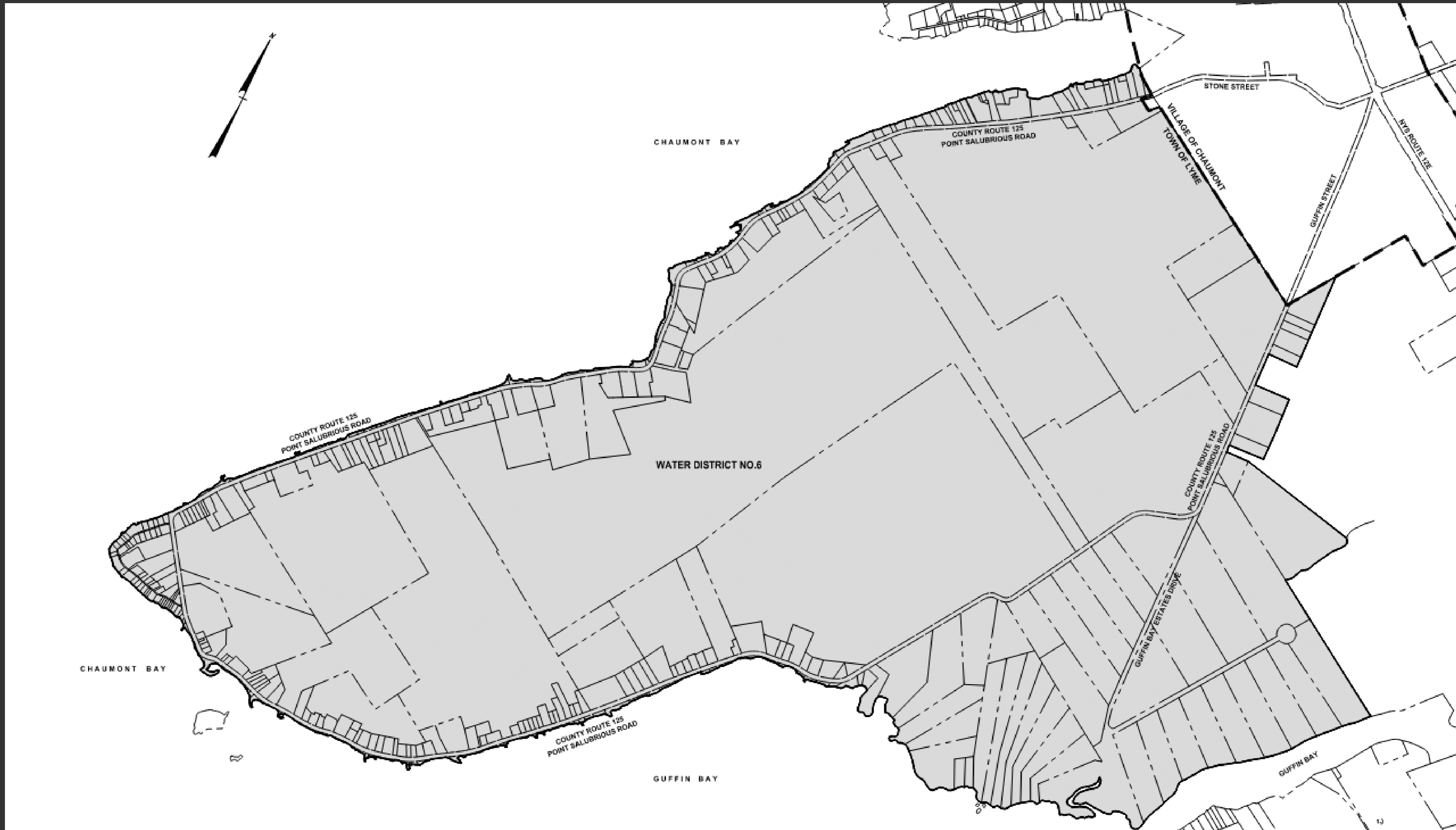
PRINCIPAL IN CHARGE: Gregor Smith, P.E.

PROJECT MANAGER: McKenzie Lehman, P.E.

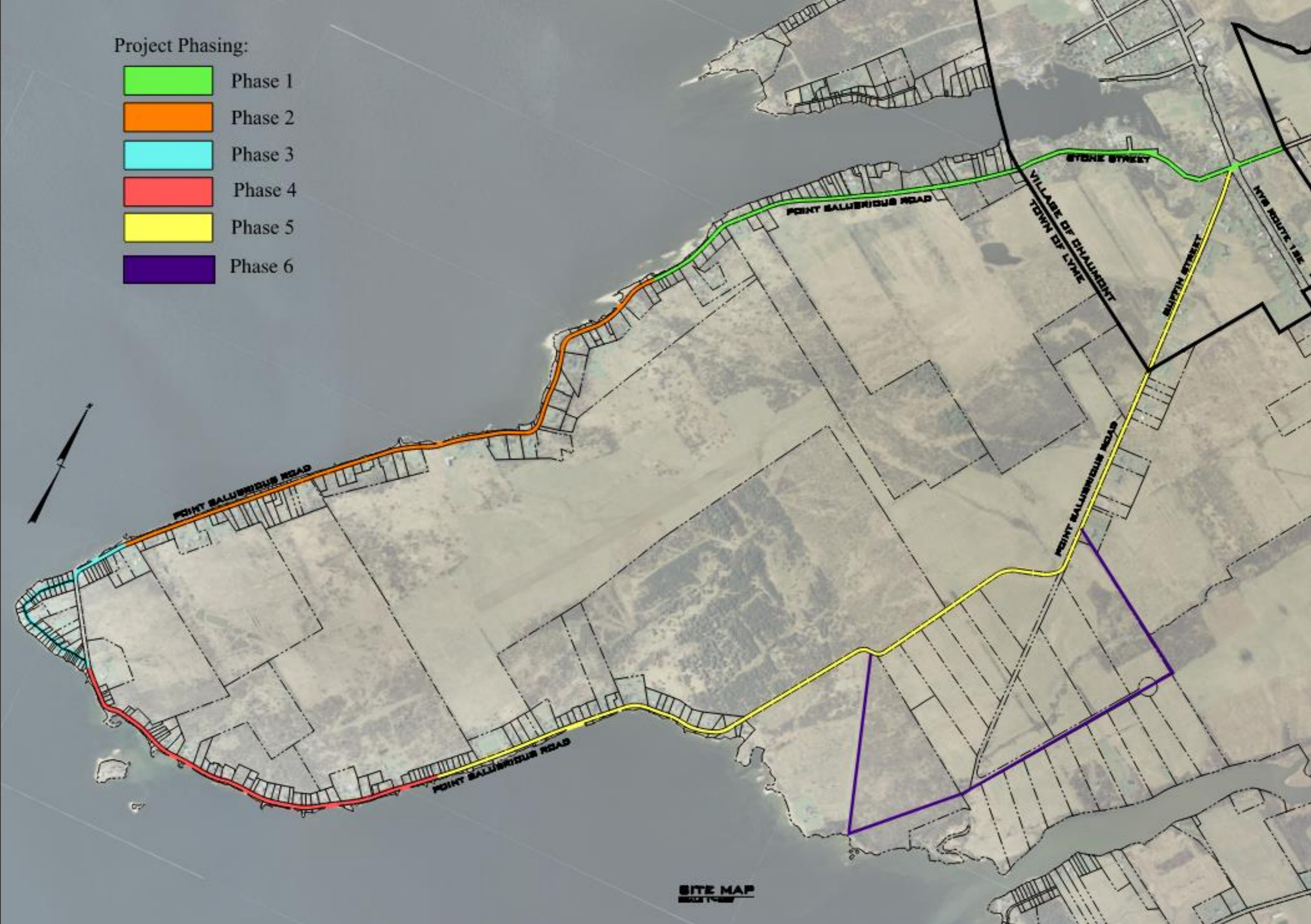
FIELD REPRESENTATIVE: Sam Kennedy

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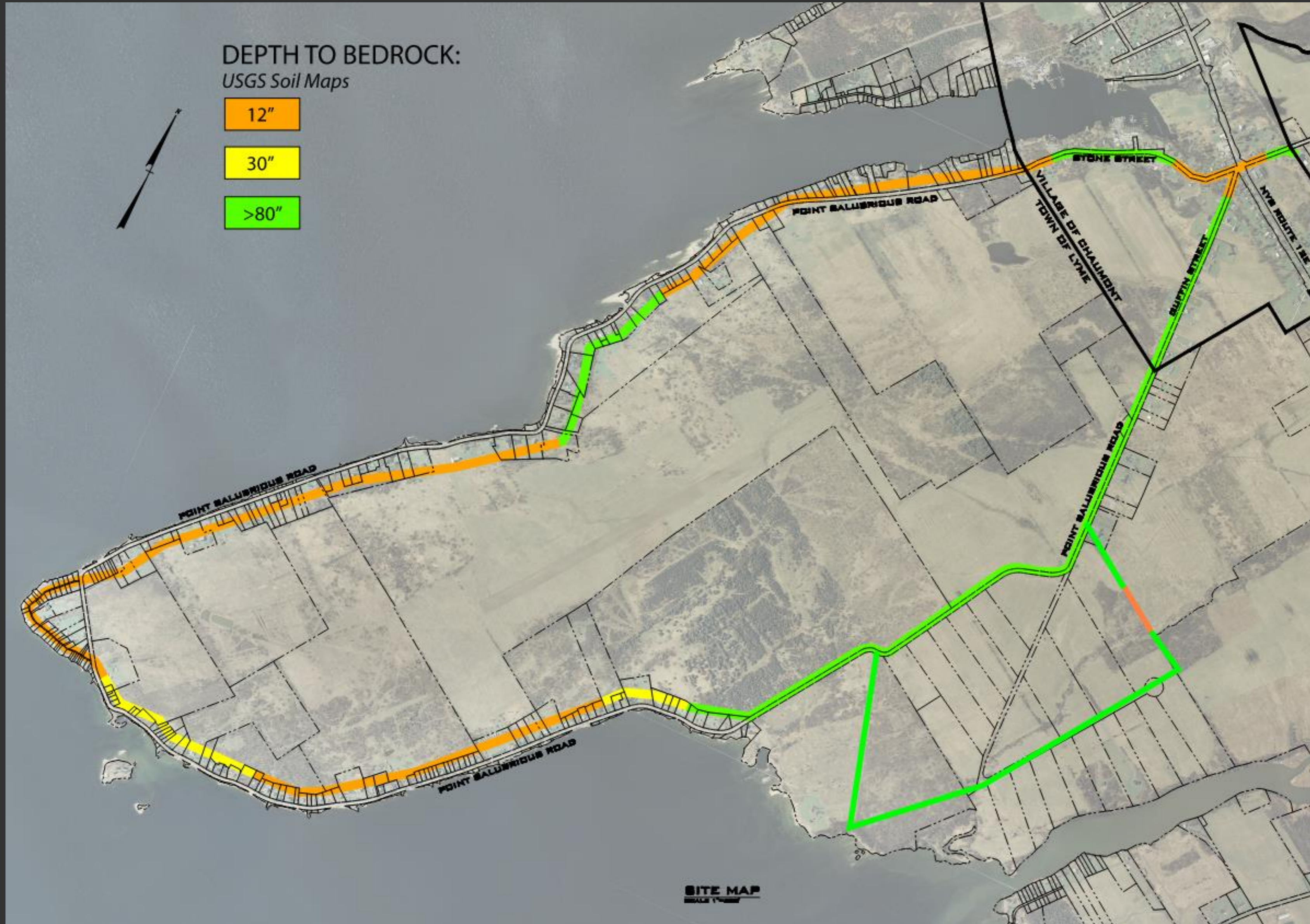
Water District Boundaries



Previous Phased Approach Map



Rock Depth Map



Potential Funding Sources

USDA Rural Development (USDA RD)

- Grants (max of 45% of project costs)
- Loans (~3% interest, 38 years)
- Rolling application period

Community Development Block Grant (CDBG)

- Grants only (up to \$1,000,000 or \$1,250,000 with co-funding)
- Income survey required

NYS Environmental Facilities Corporation (EFC) Drinking Water State Revolving Fund (DWSRF)

- Loans only (low to 0% interest, 30 years)

NYS Water Infrastructure Improvement Act (WIIA)

- Grants only (\$5 million or 60% of project costs)

Open Market Borrowing

- Loans only

POTENTIAL FUNDING SCENARIOS

➤ EDU – Equivalent Dwelling Unit

➤ District EDUs

- Phase 1: 46.5
- Phases 1-2: 97.5
- Phases 1-3: 158
- Phases 1-4: 205.5
- Phases 1-5: 260
- Entire Project: 285.5



Opinion of Probable Costs

	Phase 1	Phases 1-2	Phases 1-3	Phases 1-4	Phases 1-5	Entire Project
Total Project Cost	\$ 3,460,000.00	\$ 6,274,000.00	\$ 10,690,000.00	\$ 12,463,000.00	\$ 15,829,000.00	\$ 17,480,000.00
NYS WIIA (60%, \$5m max)	\$ 2,076,000.00	\$ 3,764,400.00	\$ 5,000,000.00	\$ 5,000,000.00	\$ 5,000,000.00	\$ 5,000,000.00
USDA RD Grant (45% cap)			\$ 2,356,667.00	\$ 3,000,000.00	\$ 3,000,000.00	\$ 3,000,000.00
USDA RD Loan (3%, 38-year)	\$ 1,384,000.00	\$ 2,509,600.00	\$ 3,333,333.00	\$ 4,463,000.00	\$ 7,829,000.00	\$ 9,480,000.00
Annual Debt Service	\$61,532.00	\$111,576.00	\$148,198.00	\$198,423.00	\$348,073.00	\$421,475.00
Number of EDUs	46.5	97.5	158	205.5	260	285.5
Annual Debt Service per EDU	\$ 1,323.00	\$ 1,144.00	\$ 938.00	\$ 966.00	\$ 1,339.00	\$ 1,476.00
Bimonthly Debt Service per EDU	\$ 221.00	\$ 191.00	\$ 157.00	\$ 161.00	\$ 224.00	\$ 246.00

*Construction costs subject to change (e.g., inflation)

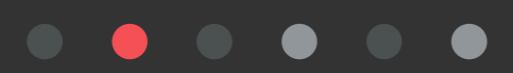
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Bimonthly Debt Service per EDU	\$ 221.00	\$ 191.00	\$ 157.00	\$ 161.00	\$ 224.00	\$ 246.00
DCC	\$ 230.00	\$ 230.00	\$ 230.00	\$ 230.00	\$ 230.00	\$ 230.00
O&M	\$ 130.00	\$ 130.00	\$ 130.00	\$ 130.00	\$ 130.00	\$ 130.00
Reserve Capital	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00
Reserve O&M	\$ 54.00	\$ 54.00	\$ 54.00	\$ 54.00	\$ 54.00	\$ 54.00
Annual Water Usage	\$ 140.00	\$ 140.00	\$ 140.00	\$ 140.00	\$ 140.00	\$ 140.00
Total Annual Cost per EDU	\$ 1,895.00	\$ 1,716.00	\$ 1,510.00	\$ 1,538.00	\$ 1,911.00	\$ 2,048.00
Total Bimonthly Cost per EDU	\$ 316.00	\$ 286.00	\$ 252.00	\$ 256.00	\$ 319.00	\$ 341.00

*Construction costs subject to change (e.g., inflation)

Total Costs per EDU

➤ Total Project Cost	\$ 17,480,000
➤ Grants	
➤ NYS WIIA (up to 60% / \$5m)	\$ 5,000,000
➤ USDA RD (up to 45% / \$3m)	\$ 3,000,000
➤ Loans	
➤ USDA RD (3% / 38-year)	\$ 9,480,000
➤ Annual Debt Service	\$ 421,475
➤ Annual Debt Service per EDU	\$ 1,476
➤ Bimonthly Debt Service per EDU	\$ 246
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➤ Annual DANC, O&M, Capital, and Usage Fees	\$ 572
➤ Bimonthly DANC, O&M, Capital, and Usage Fees	\$ 96
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➤ Total Annual Cost per EDU	\$ 2,048
➤ Total Bimonthly Cost per EDU	\$ 341



QUESTIONS?

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