

Town of Fayette Seneca County, New York

Proposed Water District No 8



Presenters

- **Jason T. McCormick, PE**

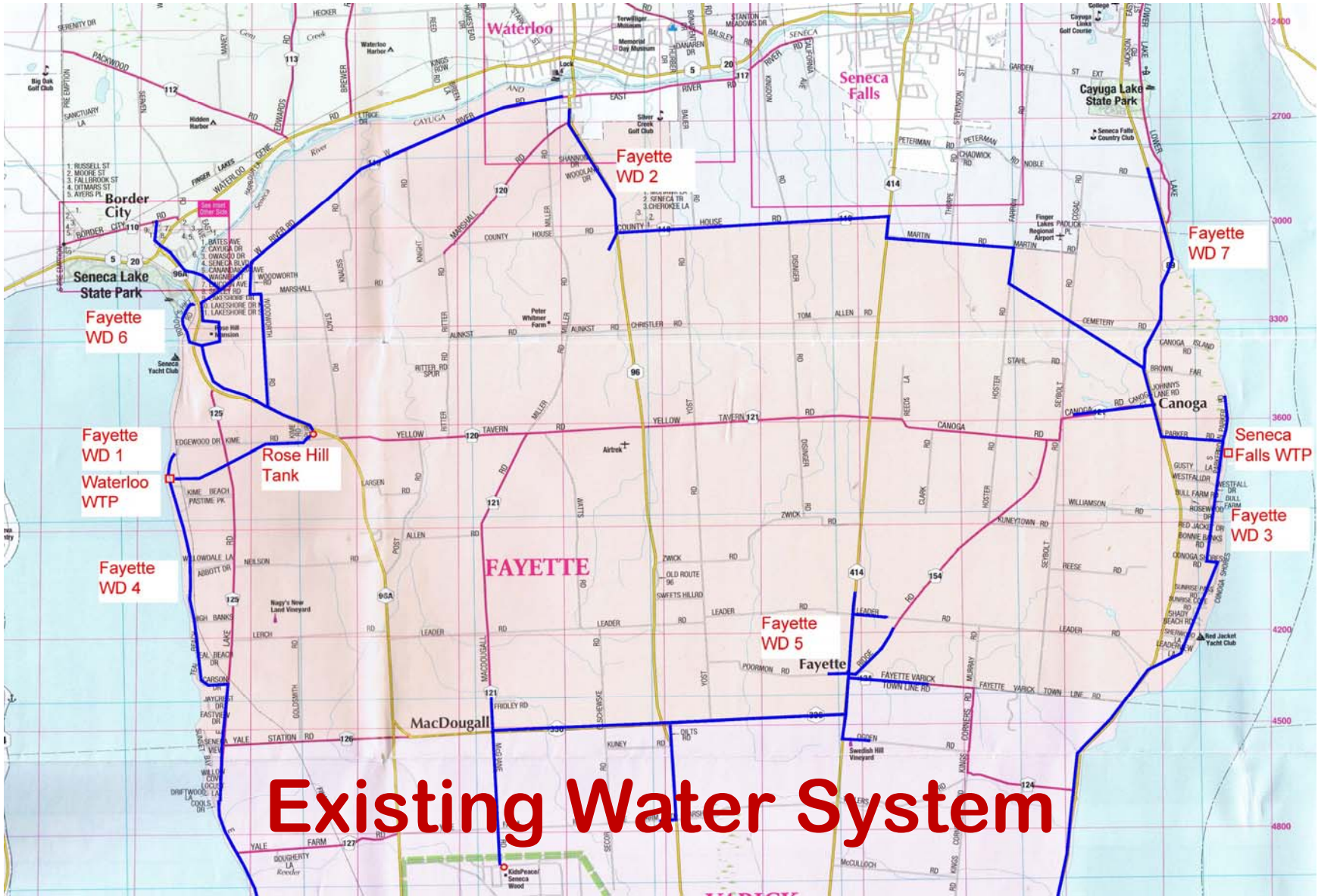
A licensed Professional Engineer in New York with Over 20 Years Experience

- **Jeffrey Trout**

Town Councilman and Chairman of the Water and Sewer Committee

Project Goals

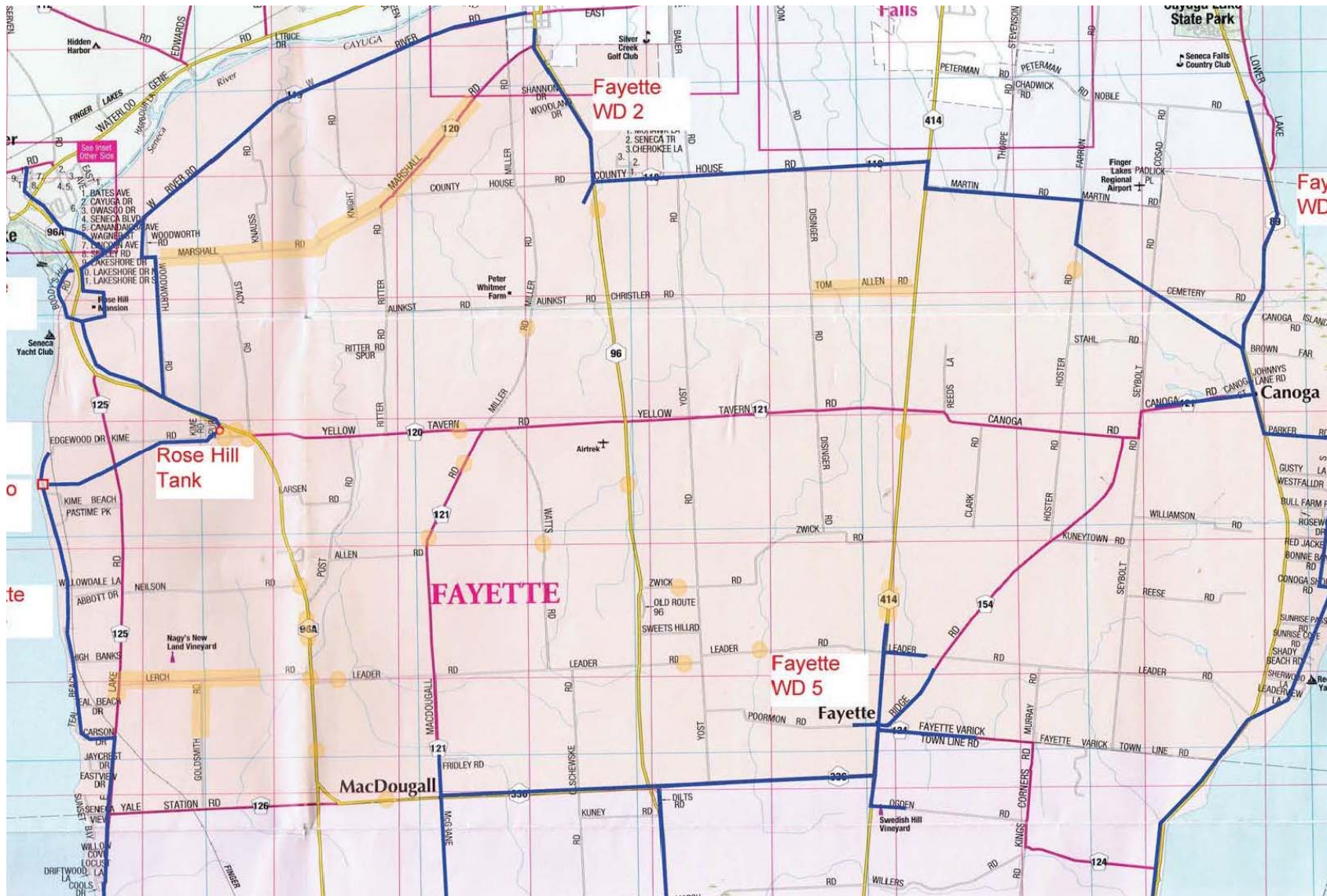
- **Provide Safe Reliable Potable Water**
- **Provide Both System and Source Redundancies**
- **Lower Water Rates District No 5**



Existing Water System

Interest for Water

- **Currently the Town has revised emails and petitions in support of municipal water from 72 residents and businesses**



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Project Details:

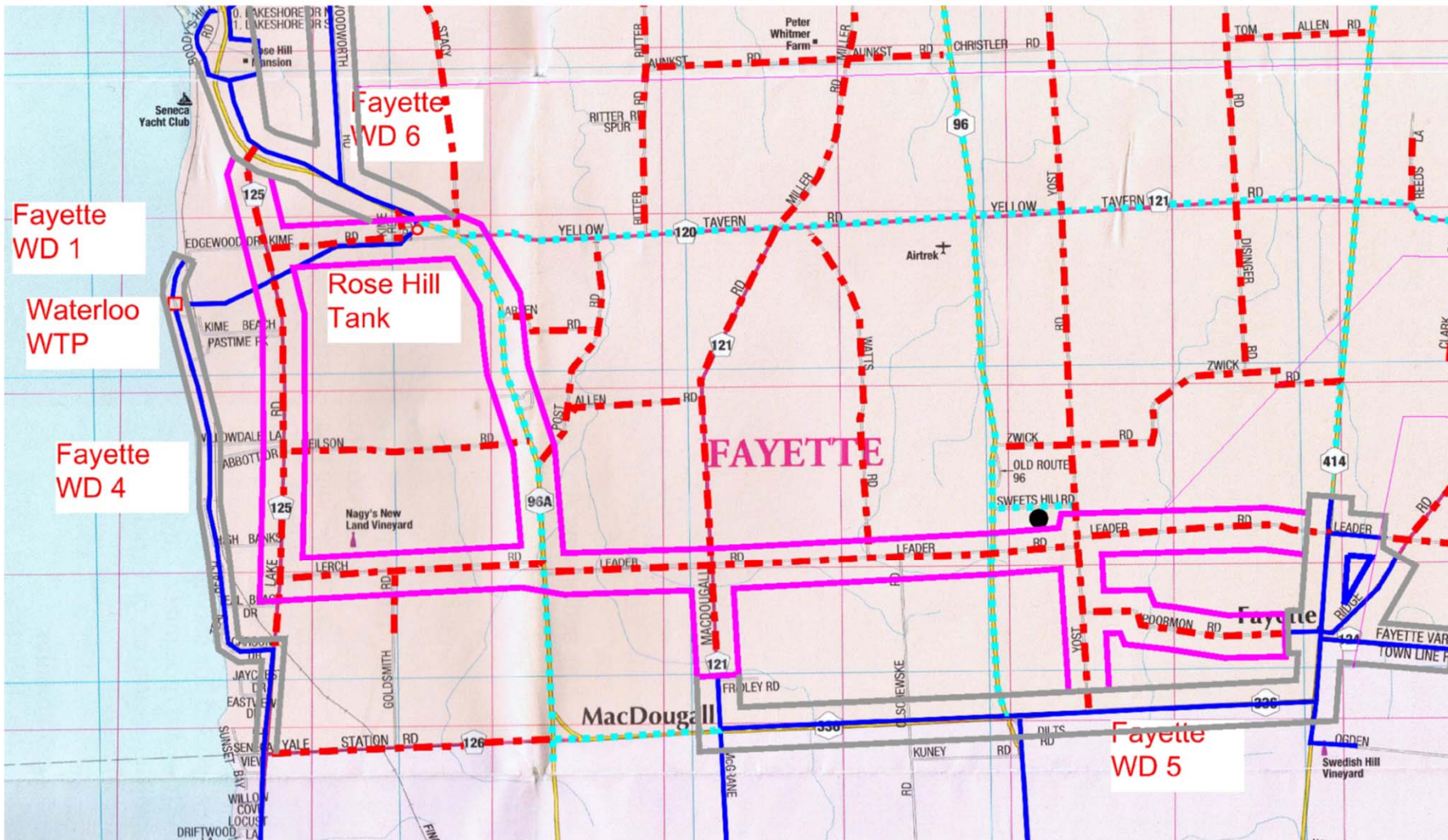
Approximately 73,700 lf of Water Main

- Approximately 37,200 lf of 12 “ Diameter Water Main
- Approximately 37,200 lf of 8 “ Diameter Water Main
- 75 Main Line Valves
- 147 Fire Hydrants
- 149 Water Services

New Booster Pump Station

New Master Meter

PROPOSED BOUNDARY OF FAYETTE WATER DISTRICT NO. 8



EXISTING TOWN OF FAYETTE WATER DISTRICT NO 6

PROPOSED TOWN OF FAYETTE WATER DISTRICT NO 8

(500' Offset from Road Centerline)

EXISTING TOWN OF FAYETTE WATER DISTRICT NO 5

PROPOSED FAYETTE WATER DISTRICT NO. 8 PROJECT COSTS

Road	Starting Intersection	Ending Intersection	Approximate Length (Feet)	Number of Homes & Businesses	Estimated Water Main Size	Estimated No. of Main Line Valves	Estimated No. of Fire Hydrants	Estimated Cost
NYS Rt 96A	Rose Hill Water Tank	Yellow Tavern Road	1800	6	12	2	4	63,000.00
NYS Rt 96A	Yellow Tavern Road	Leader Road	11100	28	12	11	22	388,500.00
East Lake Road	Rte 96A	Learch	14500	32	8	15	29	319,000.00
Lerch Road			8000	10	8	8	16	176,000.00
Kime Road			5200	3	8	5	10	114,400.00
McDougal Road	Leader Road	District 5	3600	21	8	4	7	79,200.00
Leader Road	NYS Rt 96A	NYS Rt 96	13800	30	12	14	28	483,000.00
Leader Road	NYS Rt 96	NYS Rt 414	10500	15	12	11	21	367,500.00
Yost Road	Leader Road	NYS Rte 336	5200	4	8	5	10	114,400.00
						0	0	
						0	0	
		TOTALS	73,700	149		75	147	\$ 2,105,000.00
			Additional Items		Quantity		Unit Cost	Total Cost
					1	ea	160,000.00	160,000.00
					1	ea	35,000.00	35,000.00
					450	lf	150.00	67,500.00
					TOTAL			\$ 262,500.00
					SUBTOTAL OF CONSTRUCTION			2,367,500.00
						10 Percent		236,750.00
						15 Percent		355,125.00
					TOTAL ESTIMATED COST			\$ 2,959,375.00
Assumes self help construction for water mains and Contractor Construction of Road Borings, Controls and Booster Pump Station						USE		\$ 3,000,000.00

Construction Options

- **Self Help Construction (Town Forces and Equipment) with Possible Intermunicipal Assistance**
 - Water Mains**
- **Contractors (Municipal Bidding – Prevailing Wages)**
 - Booster Pump Station**
 - Master Meter**
 - Road Crossings (Directional Drilling)**
 - Water Mains (If Enough Funding is Secured)**

ESTIMATED O&M Charge per EDU

Fees based on existing Rate Structures within the Town

Estimated Water use is 50,000 gallons per year for a single-family home
(Basis of the EDU Calculations)

Water Charge - \$67.50 per quarter for first 18,000 gallons, \$3.75/1,000 above 18,000
(typical single-family home should not exceed the minimum water allotment)

O&M Charge - \$20.00 per quarter

Typical Single-Family Home pays \$350/ year

Possible Funding Sources

- **Bonding – Current Interest Rates are Less than 4%**The
- **Funding Agencies – Offer Grants & Low Interest Loans**
 - **Drinking Water State Revolving Funds**
 - **USDA Rural Development**
 - **Community Block Grants**
 - **NYS Water Infrastructure Improvement Act (WIIA)**
 - **NYS Inter-Municipal Water Infra Structure Grant Program (IMG)**

NYS Comptroller

- The Office of The State Comptroller sets the average estimated cost thresholds for certain special district (such as Water and Sewer)
- Costs above that set by the Comptroller require special approvals

2020 Rate for Town Water Districts is \$ 912

(2019 - \$898 / 2018 - \$904 / 2017- \$ 966)

Estimated Costs Per EDU

Funding	Annual Capital Cost	Amount Assigned to District 5	Capital Cost per EDU	O&M	TOTAL
45% Grant/55% Loan (4.5% for 38 yrs)	\$91,575.00	\$0.00	\$568.79	\$350.00	\$918.79
100% Loan (4.5% for 38 yrs)	\$166,500.00	\$0.00	\$1,034.16	\$350.00	\$1,384.16
100% Loan (4.5% for 20 yrs)	\$230,700.00	\$0.00	\$1,432.92	\$350.00	\$1,782.92

Estimated Costs Per EDU

Funding	Annual Capital Cost	Amount Assigned to District 5*	Capital Cost per EDU	O&M	TOTAL
45% Grant/55% Loan (4.5% for 38 yrs)	\$91,575.00	\$7,500.00	\$522.20	\$350.00	\$872.20
100% Loan (4.5% for 38 yrs)	\$166,500.00	\$7,500.00	\$987.58	\$350.00	\$1,337.58
100% Loan (4.5% for 20 yrs)	\$230,700.00	\$7,500.00	\$1,386.34	\$350.00	\$1,736.34

* District 5 Used approximately 3,000,000 gallons of Water in 2018.
 \$21,150 (at \$7.05/1000) vs \$10,050 (at \$3.35/1000) – a difference of \$11,050 per year
 Not including the savings to Varick District No. 4

Next Steps

Engineer Revises Draft Preliminary Engineering Report After Informational Meetins and Submits to Townfor Board Discussion & Approval
Board Approves Preliminary Engineering Report, Budget, Maturity Schedule
Engineer Finalizes Preliminary Engineering Report
SEQR/Environmental Review Begins - Lead Agency declaration
Engineer completes EIS Sectioni 1 and sends w lead agency letter to interested parties for comment final
SEQR Comment Period Ends.
Engineer Provides Full EIS with supporting documents & Negative Declaration for Board Review
Town Board calls public hearing
Public Hearing Notice Published in official Newspaper and posted on Town signboard; copy of order mailed to OSC
Town Board holds public hearing
Town Board adopts Public Interest Order
Public Interest Order Published in Official Newspaper
Permissiive Referendum Period Ends
Copy of Public Interest Order recorded in County Clerks's office and Certificate of No Referendum filed with County
Town Board Adopts Bond Resolution
Estoppel Notice Published in Official Newspaper
Estoppel Period Ends
Borrow for Project

QUESTIONS?