

**TOWN OF HALFMOON
NYS ROUTE 9 AND 236 WATER MAIN REPLACEMENT
SARATOGA COUNTY, NEW YORK**

MJ Project Number:
964.XX

Rough Order of Magnitude (ROM) Estimate

DRAFT

**MJ Engineering & Land Surveying, P.C.
21 Corporate Drive
Clifton Park, NY 12065**



February 16, 2024

Project: NYS ROUTE 9 AND 236 WATER MAIN REPLACEMENT
 Client: TOWN OF HALFMOON
 Project Phase: Rough Order of Magnitude (ROM) Estimate
 Prepared By: MJ Engineering and Land Surveying, P.C.
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TECHNICAL ASSUMPTIONS

HAZARDOUS MATERIALS EXCLUDED
 ESTIMATE IS BASED ON ROM COST ESTIMATE FIGURE DATED 2/20/24
 CONSTRUCTION PERIOD ASSUMED TO BE 2025, WITH ESCALATION TO MID POINT

ESCALATION

Task	2024												2025											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Bidding																								
Contract Execution																								
Construction																								
MidPoint																								

Escalation = 15 months @ 0.25% per month (from date of ROM cost estimate)

Escalation = 3.75%

**TOWN OF HALFMOON
NYS ROUTE 9 AND 236 WATER MAIN REPLACEMENT**

PROJECT ESTIMATE SUMMARY SHEET

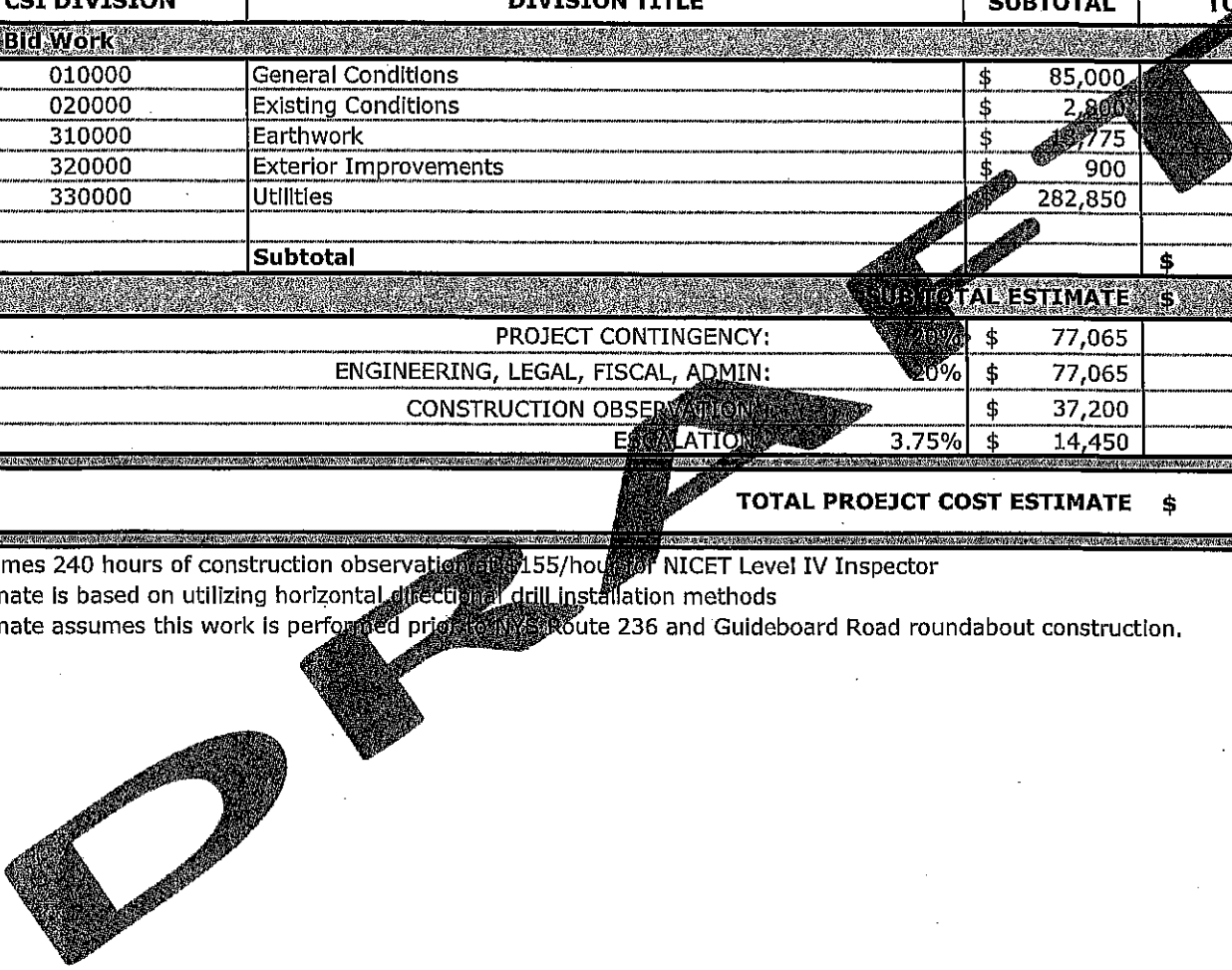
Phase Report: Rough Order of Magnitude (ROM) Estimate
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CSI DIVISION	DIVISION TITLE	SUBTOTAL	TOTAL
Base Bid Work			
010000	General Conditions	\$ 85,000	
020000	Existing Conditions	\$ 2,800	
310000	Earthwork	\$ 1,775	
320000	Exterior Improvements	\$ 900	
330000	Utilities	282,850	
	Subtotal		\$ 385,325
		SUBTOTAL ESTIMATE	\$ 385,325
PROJECT CONTINGENCY:		10%	\$ 77,065
ENGINEERING, LEGAL, FISCAL, ADMIN:		20%	\$ 77,065
CONSTRUCTION OBSERVATION			\$ 37,200
EVALUATION		3.75%	\$ 14,450
TOTAL PROEJCT COST ESTIMATE			\$ 591,000

¹Assumes 240 hours of construction observation at \$155/hour for NICET Level IV Inspector

²Estimate is based on utilizing horizontal directional drill installation methods

³Estimate assumes this work is performed prior to NYS Route 236 and Guideboard Road roundabout construction.



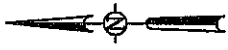
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DETAILED ESTIMATE

Construction Contract

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
010000 General Conditions				
Mobilization and Demobilization	1	LS	\$ 25,000.00	\$ 25,000
Work Zone Traffic Control (NYSDOT and Town)	1	LS	\$ 55,000.00	\$ 55,000
Record Documentation	1	LS	\$ 5,000.00	\$ 5,000
020000 Existing Conditions				
Test Pit	3	EA	\$ 1,000.00	\$ 2,800
310000 Earthwork				
Unclassified Excavation (Directional Drill Installation)	135	CY	\$ 20.00	\$ 2,700
Suitable Excavation Backfill	135	CY	45.00	\$ 6,075
Stormwater and Erosion Control	1	LS	\$ 5,000.00	\$ 5,000
320000 Exterior Improvements				
Topsoil and Seeding	60	SY	\$ 15.00	\$ 900
330000 Utilities				
8" DR11 HDPE Watermain (Furnish and Install Only)	1,400	LF	\$ 120.00	\$ 168,000
12"x12"x8" Cut In Tee Connection to Existing 12" DIP Water Main at Guideboard Road			\$ 15,000.00	\$ 15,000
Direct Connection to Existing 8" GV on 8" DR11 HDPE Water Main at NYS Route 9		LS	\$ 10,000.00	\$ 10,000
12" Gate Valve (Furnish and Install)		EA	\$ 5,000.00	\$ 5,000
8" Gate Valve (Furnish and Install)		EA	\$ 4,500.00	\$ 9,000
Hydrant and Valve Assembly Replacement (Furnish and Install)	2	EA	\$ 12,500.00	\$ 25,000
Concrete Thrust Collar	2	EA	\$ 3,000.00	\$ 6,000
Miscellaneous MJ Fittings and Benders	1	LS	\$ 5,000.00	\$ 5,000
Water Service Disconnect	7	EA	\$ 300.00	\$ 2,100
1" Water Service Replacement (Same Side)	5	EA	\$ 3,250.00	\$ 16,250
1" Water Service Replacement (Opposite Side)	1	EA	\$ 5,500.00	\$ 5,500
6" Water Service Replacement (Same Side)	1	EA	\$ 8,000.00	\$ 8,000
Water Main Activation	1	LS	\$ 8,000.00	\$ 8,000
TOTAL DIRECT COST				\$ 385,325



Legend

Surveyed - Hydrants

- Found
- Record Not Found

Surveyed - Gate Valves

- Found
- Record Not Found

Record - Hydrants



Record - Water Valves



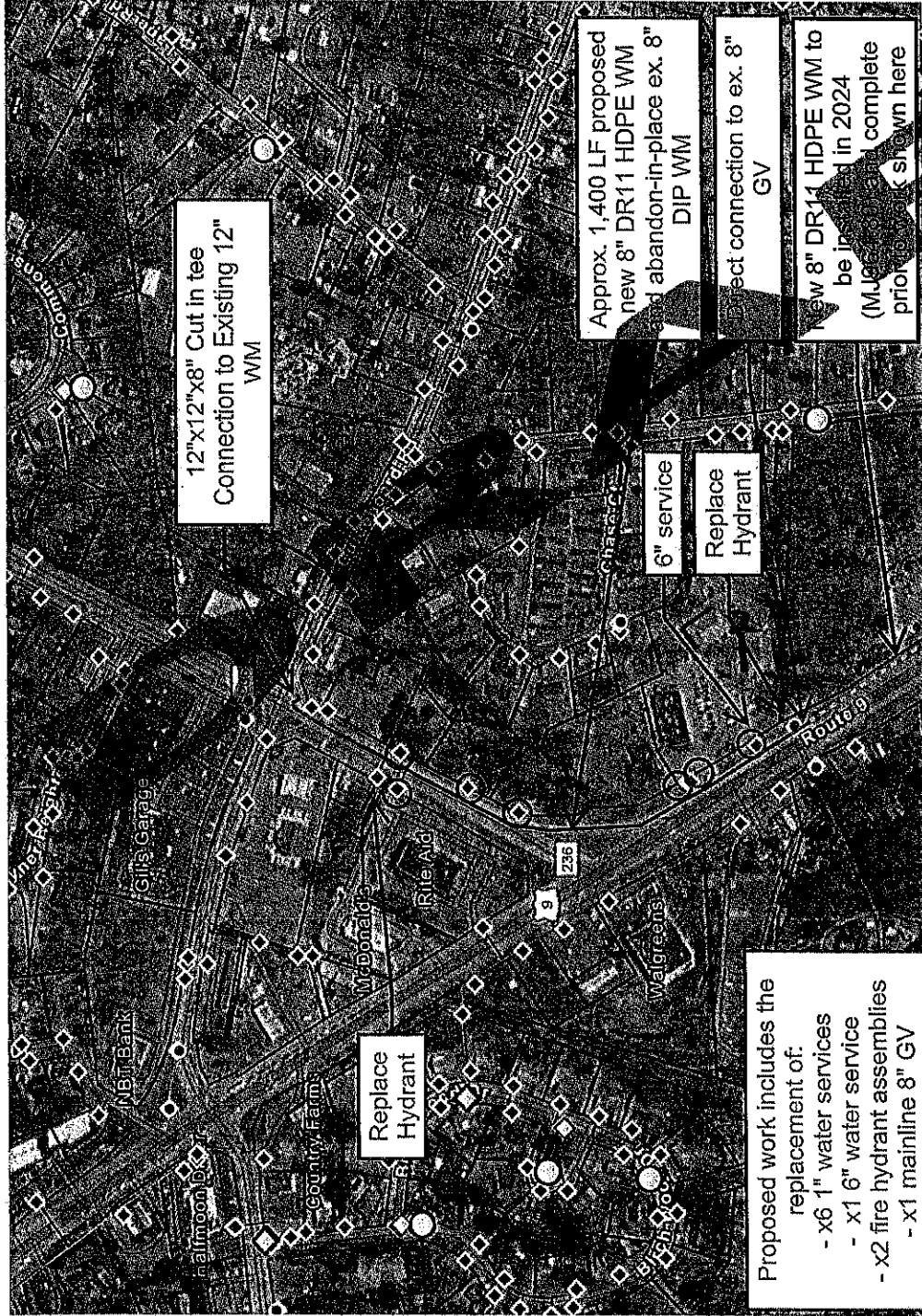
Record - Waterlines

- 6
- 8
- 10
- 12
- 16
- 24
- Other

Existing Conditions

Proposed Work

Muni Tax Parcels 2023



Source: Town of Halfmoon ArcGIS



mjteam.com

NYS ROUTE 9 AND ROUTE 236 WATER MAIN REPLACEMENT
 MJ PROJECT #: 964.XX
 TOWN OF HALFMOON, NY

COST ESTIMATE
 FIGURE

Date: 2/9/2024

Not to Scale