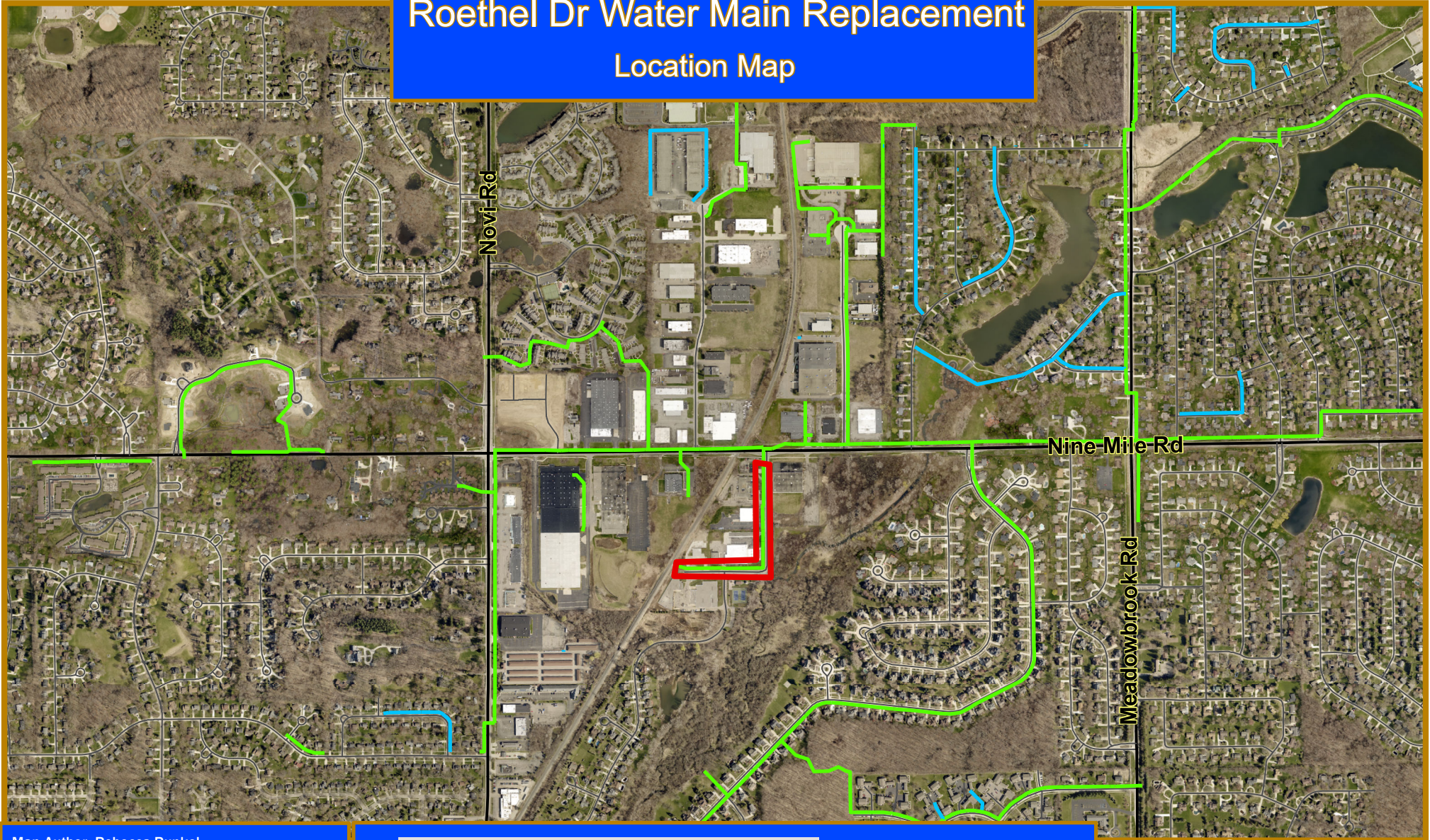


Roethel Dr Water Main Replacement Location Map



Map Author: Rebecca Runkel
Date: 7-18-23
Project: Roethel Dr WM Replacement
Version #: 1.0

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

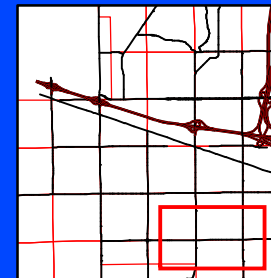
Legend

Water Main
Online

6"
12"



2023 Project Area



City of Novi

Engineering Division
Department of Public Works
26300 Lee BeGole Drive
Novi, MI 48375
cityofnovi.org

0 312.5 625 1,250 1,875
Feet
1 inch = 1,112 feet



NEW CONTRACT ITEMS

Item No.	Division	Item Description	Unit	Unit Price	Quantity	Contract Price	
						Add	Deduct
163	4	Mobilization, Max - Roethel	LS	\$63,000.00	1	\$63,000.00	
164	4	Pre-Construction Audio Visual - Roethel	LS	\$700.00	1	\$700.00	
165	4	Clearing - Rothel	LS	\$2,500.00	1	\$2,500.00	
166	4	Tree, Rem, 6 inch to 18 inch - Rothel	EA	\$500.00	2	\$1,000.00	
167	4	Sewer, Rem, Less than 24 inch - Roethel	FT	\$10.00	152	\$1,520.00	
168	4	Sewer, Rem, 24 inch to 48 inch	FT	\$19.00	24	\$456.00	
169	4	Exploratory Investigation, Vertical - Roethel	FT	\$35.00	100	\$3,500.00	
170	4	Curb and Gutter, Conc, Rem - Rothel	FT	\$12.00	303	\$3,636.00	
171	4	Driveway, Rem, Modified - Roethel	SYD	\$16.00	197	\$3,152.00	
172	4	Excabation, Earth - Roethel	CYD	\$55.00	145	\$7,975.00	
173	4	Subgrade Undercut (As-Needed) - Roethel	CYD	\$78.00	100	\$7,800.00	
174	4	Soil Erosion Control Measures - Roethel Dr	LS	\$9,900.00	1	\$9,900.00	
175	4	Aggregate Base, 8 inch, Limestone - Roethel	SYD	\$15.50	3104	\$48,112.00	
176	4	Sewer, CI E, 12 inch, Tr Det B - Rothel	FT	\$126.00	64	\$8,064.00	
177	4	Sewer, CI E, 18 inch, Tr Det B - Rothel	FT	\$165.00	64	\$10,560.00	
178	4	Sewer, CI E, 21 inch, Tr Det B - Rothel	FT	\$178.00	24	\$4,272.00	
179	4	Sewer, CI E, 24 inch, Tr Det B - Rothel	FT	\$198.00	24	\$4,752.00	
180	4	Dr Structure, Temp Lowering - Rothel	EA	\$395.00	4	\$1,580.00	
181	4	Str Rehab Type 2: Structure Cover Adjust - Rothel	EA	\$1,450.00	4	\$5,800.00	
182	4	HMA Cold Milling - Rothel	SYD	\$4.00	4484	\$17,936.00	
183	4	HMA Surface, Rem, Modified - Rothel	SYD	\$5.50	2838	\$15,609.00	
184	4	HMA, Drive Approach - Rothel	TON	\$227.00	48	\$10,896.00	
185	4	HMA, 4EML - Rothel	TON	\$115.15	818	\$94,192.70	
186	4	HMA, 5EML - Rothel	TON	\$127.85	879	\$112,380.15	
187	4	Curb and Gutter, Conc, Modified - Rothel	FT	\$55.00	303	\$16,665.00	
188	4	Post, Mailbox - Rothel	EA	\$25.00	3	\$75.00	
190	4	Mailbox, Remove and Replace - Rothel	EA	\$200.00	5	\$1,000.00	
200	4	Temporary Traffic Control - Rothel	LS	\$12,500.00	1	\$12,500.00	
201	4	Tree Replacement - Rothel	EA	\$1,150.00	2	\$2,300.00	
202	4	Surface Restoration - Rothel	LS	\$45,000.00	1	\$45,000.00	
203	4	Hydrant, Rem - Rothel	EA	\$900.00	6	\$5,400.00	
204	4	Water Structure, Rem - Rothel	EA	\$900.00	3	\$2,700.00	
205	4	Water Structure, Abandon - Rothel	EA	\$450.00	4	\$1,800.00	
206	4	Water Main, Rem - Rothel	FT	\$65.00	403	\$26,195.00	
207	4	Water Main, Abandon - Rothel	FT	\$4.00	1631	\$6,524.00	
208	4	Water Main, 4 inch, Open Cut - Rothel	FT	\$188.00	45	\$8,460.00	
209	4	Water Main, 8 inch, Open Cut - Rothel	FT	\$199.25	144	\$28,692.00	
210	4	Water Main, 12 inch, Open Cut - Rothel	FT	\$259.90	1646	\$427,795.40	
211	4	Gate Valve and Well, 4 inch, Modified - Rothel	EA	\$7,800.00	1	\$7,800.00	
212	4	Gate Valve and Well, 8 inch, Modified - Rothel	EA	\$9,250.00	3	\$27,750.00	
213	4	Gate Valve and Well, 12 inch, Modified - Rothel	EA	\$10,265.00	5	\$51,325.00	
214	4	In Line Stop, 8 inch - Rothel	EA	\$500.00	2	\$1,000.00	
215	4	In Line Stop, 12 inch - Rothel	EA	\$650.00	2	\$1,300.00	
216	4	Hydrant Assembly - Rothel	EA	\$8,858.00	6	\$53,148.00	
217	4	Water Main, Conn New 4" to Existing 4" - Rothel	EA	\$6,578.00	1	\$6,578.00	
218	4	Water Main, Conn New 8" to Existing 8" - Rothel	EA	\$9,180.00	4	\$36,720.00	
219	4	Water Main, Conn New 12" to Existing 12" - Rothel	EA	\$11,321.00	2	\$22,642.00	
220	4	Water Sampling Station - Rothel	EA	\$2,500.00	1	\$2,500.00	
221	4	Water Serv, 1 Inch - Rothel	FT	\$55.00	195	\$10,725.00	
222	4	Water Serv, 1.5 inch - Rothel	FT	\$76.00	145	\$11,020.00	
223	4	Sanitary Sewer, PVC, 6 inch, Tr Det B2 - Rothel	FT	\$60.00	100	\$6,000.00	
224	4	Permit Allowance - Rothel	DLR	\$1.00	1000	\$1,000.00	
225	4	Crew Days - Division 4 Rothel	CD	\$800.00	74	\$59,200.00	

Increase/Decrease in Contract Price	\$1,323,107.25
Original Contract Amount	\$6,532,828.15
Sum of Previous Approved Change Orders	\$21,014.37
Revised Contract Amount	\$7,876,949.77

THE CHANGES ADDRESSED BY THIS CHANGE ORDER HEREBY ADJUSTS THE CONTRACT TIME BY:

Accepted By: _____
Pamar Enterprises, Inc.

Prepared By: _____
Spalding DeDecker & Associates

Reviewed By: _____
Aaron J. Staup, Construction Engineer

Approved By: _____
Tracey Marzonie, Purchasing Manager