EVERSOURCE

Supplement Authorization Form

Project Title: Town of Greenwich – Repl. MH Covers	**Project Number:** CD02220
Date Prepared: 11/17/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** UNDERGROUND STRUCTURE ISSUE
Initiating Organization: Distribution	**Project Type:** Specific
Project DDE: [redacted]	**Capital Investment part of 5-year plan?** Yes
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Current Authorized Amount: $418.8K	**Approved In-Service Date:** 12/31/2025
Supplement Request: $304.6K	**Estimated In-Service Date:** 12/31/2026
Total Capital Request: $723.4K	**Authorization Type:** Supplement Request
	Reason: : Cost Overage

1. Project Background

Supplemental funding is being requested for this project. The total capital request is $723.4K which is $304.6K more or 173% of the current authorized amount of $418.8K. [redacted] additional covers were used due to some locations having double covers. However, this was offset by three sidewalk locations not being done due to the town having just replaced those sidewalks. Apart from that slight change in scope, the cost overage was due mainly to increased labor and overhead costs.

This project was scheduled to be done in conjunction with the Town on Greenwich street paving list for 2023/2024. [redacted] manholes were identified to have their covers replaced under this project.

Location Information:

Division: Western
District: Stamford
City: Greenwich

2. Supplement Justification Overview

More manhole covers were used on the project due to some manholes having double covers – even though some holes were not done due to the town recently replacing the sidewalks.

3. Supplement Justification Detail

[redacted] extra manhole covers were used and the cost of these covers had increased since 2024. The per-unit labor cost in the bid was higher that what was estimated on the work orders. There was also a $15K charge incurred for metered parking as lost revenue to the Town of Greenwich. Indirect costs increased by $176.5K.

4. Supplement Cost Summary (Project Total)

Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Internal Labor and Construction Equipment	0.3	0.0	0.3	0.3
Outside Services	176.9	113.4	99.3	212.7
Materials	124.1	98.5	30.3	128.8
Removals	0.0	27.8	12.8	40.6
Risk and Contingency	0.0	38.0	-14.6	23.4
Other	0.0	0.0	0.0	0.0
Subtotal	**301.4**	**277.7**	**128.1**	**405.8**

Indirect Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Indirects/Overheads (including benefits)	214.5	141.1	163.5	304.6
Capitalized interest or AFUDC, if any	13.0	0.0	13.0	13.0
Subtotal	**227.5**	**141.1**	**176.5**	**317.6**

Total Capital Costs (Gross)	**528.9**	**418.8**	**304.6**	**723.4**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net of Reimbursement)	**528.9**	**418.8**	**304.6**	**723.4**

New Total Request by Year (if applicable)

Capital Costs	2023 Actual	2024 Actual	2025 Actual	2025 Estimate	2026 Estimate	TOTAL
Internal Labor & Equipment	0.1	0.1	0.0	0.0	0.0	0.3
Outside Services	67.4	61.2	40.1	28.2	15.7	212.7
Materials	40.9	37.1	24.3	17.1	9.5	128.8
Removals	12.0	10.9	7.2	5.0	5.4	40.6
Risk and Contingency	0.0	0.0	0.0	0.0	23.4	23.4
Other	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL Direct Cost	**120.4**	**109.3**	**71.6**	**50.3**	**54.1**	**405.8**
Indirects / Overheads	13.6	111.2	89.7	62.9	27.3	304.6
AFUDC	1.6	10.6	0.9	0.0	0.0	13.0
SUBTOTAL Indirect Cost	**15.2**	**121.8**	**90.6**	**62.9**	**27.3**	**317.6**
TOTAL Capital Request	**135.6**	**231.1**	**162.2**	**113.2**	**81.4**	**723.4**
Less Total Customer Contribution	0.0	0.0	0.0	0.0	0.0	**0.0**
TOTAL Project Cost	**135.6**	**231.1**	**162.2**	**113.2**	**81.4**	**723.4**

5. Lessons Learned

N/A

Full Funding PAF

Project Title: Town of Greenwich – Repl. MH Covers	**Project Number:** CD02220
Date Prepared: 12/06/2023	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** UNDERGROUND STRUCTURE ISSUE
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 12/31/2025	
Total Capital Request: $418.8K	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of $418.8K which is 109% of the $383K approved for partial funding. There is no scope change in the project. This project is being done in conjunction with the Town of Greenwich Street paving list for 2023/2024. The town requested that Eversource address any UG projects that include the Streets on the list before they are paved. [redacted] MH covers were identified that will be replaced with new energy release covers.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2024	2025	2026	Total
Internal Labor and Construction Equipment	0.0	0.0	0.0	0.0
Outside Services	48.6	64.8	0.0	113.4
Materials	42.2	56.3	0.0	98.5
Removals	12.0	15.8	0.0	27.8
Risk and Contingency	17.1	21.0	0.0	38.1
Other	0.0	0.0	0.0	0.0
Subtotal	**119.8**	**157.9**	**0.0**	**277.7**

Indirect Capital Costs	2024	2025	2026	Total
Indirects/Overheads (including benefits)	67.9	73.2	0.0	141.1
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal	**67.9**	**73.2**	**0.0**	**141.1**
Total Capital Costs (Gross)	**187.7**	**231.1**	**0.0**	**418.8**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**

Project Costs (Net of Reimbursement)	**187.7**	**231.1**	**0.0**	**418.8**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

The town of Greenwich typically sends Eversource their yearly street paving list and requests that any known UG projects along those streets be addressed before they are paved such that the newly paved streets won't have to be dug up anytime soon.

b. Project Need

Eversource has embarked on a program to replace all manhole covers with new energy release MH covers. This represents a public safety improvement for the company and its customers, and these new covers do not become dislodged in the event of a fault in the manholes. [redacted] manholes were identified along the streets that were on the Greenwich 2023/2024 street paving list.

c. Project Scope

The scope of this project is to replace [redacted] manhole covers and frames along the streets identified in attachment C.

4. Alternatives Considered

An alternative would be to leave the manholes with the existing covers, but the risk would be to have these covers dislodge during a fault in the manholes and cause damage to property or injury to people. Being pro-active and replacing the manhole covers will improve safety.

5. Project Schedule

Milestone/Phase Name	Estimated Date
100% Detailed Engineering Completion	October 2023

Milestone/Phase Name	Estimated Date
Fully Funded	December 2023
Construction Start	January 2024
In Service Date	December 2025

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2024	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Internal construction resources not available to perform the work.	2024	High	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2024	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2024	Low	If storm activity delays work, we may be forced to use external resources.

Technological risks involving integration of new technology	2024	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.

9. References

References
1. N/A

10. Attachments (One Line Diagrams, Images, etc.)

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Greenwich Paving List	*YES*
C. Manhole locations	*YES*
D. Partial Funding PAF	*YES*

Attachment A: Cost Estimate

EVERSOURCE

Supplement Authorization Form

Design Alternative CD02220-01

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	20.00%
SubTotal:	$328,500
Contingency Amount:	$65,700
Estimate:	$394,200
Reimbursement:	$0
Net Amount:	**$394,200**
Description:	Replace [redacted] MH frames & covers @ [redacted] = $305,500

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18	[redacted]		$23,000.00
OTHER OTHER Labor, Equipment & mat'l to replace [redacted] MH frames & covers @ [redacted] per location	16-ALL14			$305,500.00

Attachment B: Greenwich Paving List

Town of Greenwich DPW - Highway Division
FY 2023-2024 Proposed Asphalt Paving List

STREET NAME	FROM	TO
[redacted]		

Town of Greenwich DPW - Highway Division
FY 2023-2024 Proposed Asphalt Paving List

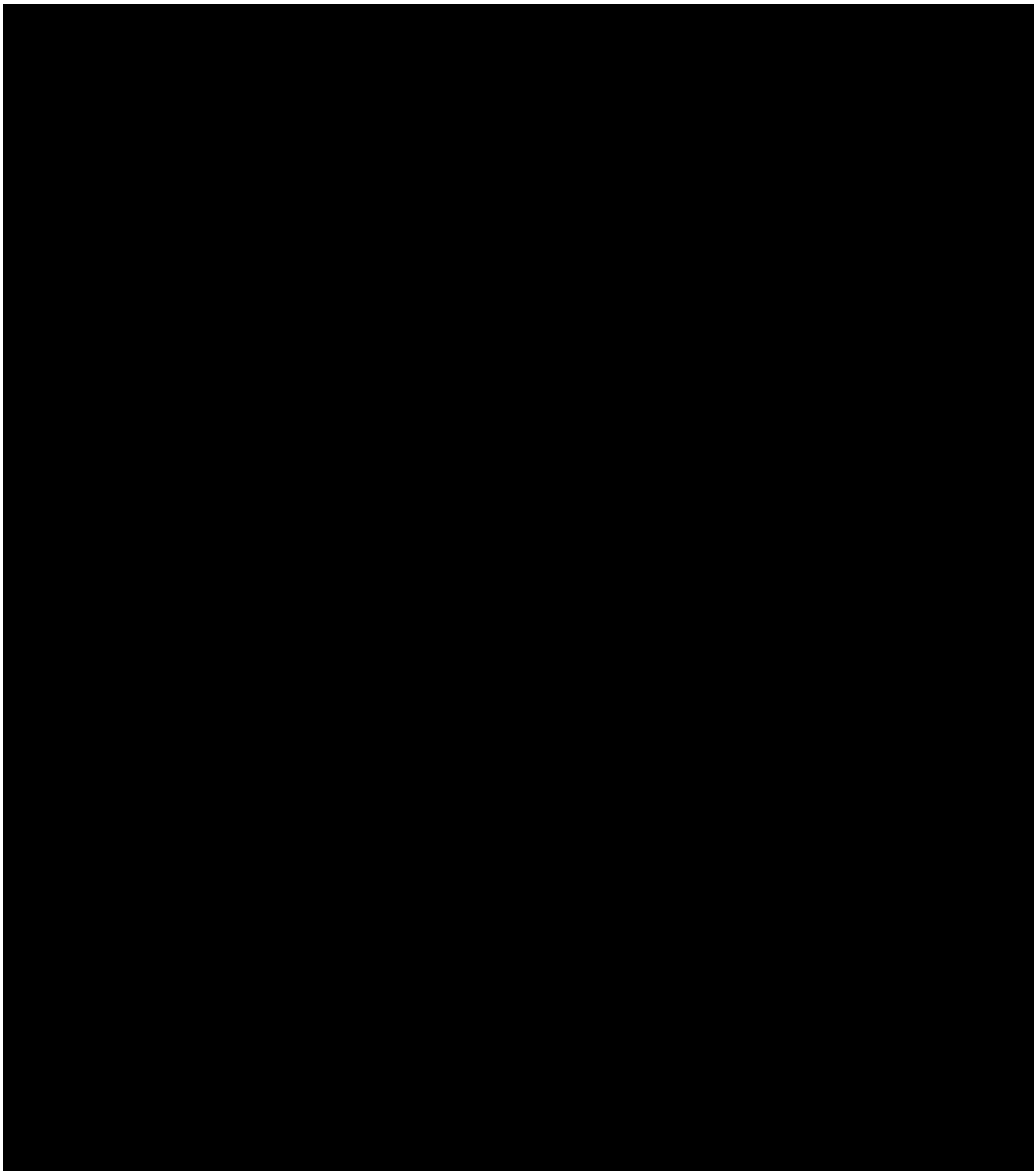
STREET NAME	FROM	TO
[redacted]		

Town of Greenwich DPW - Highway Division
FY 2023-2024 Proposed Asphalt Paving List

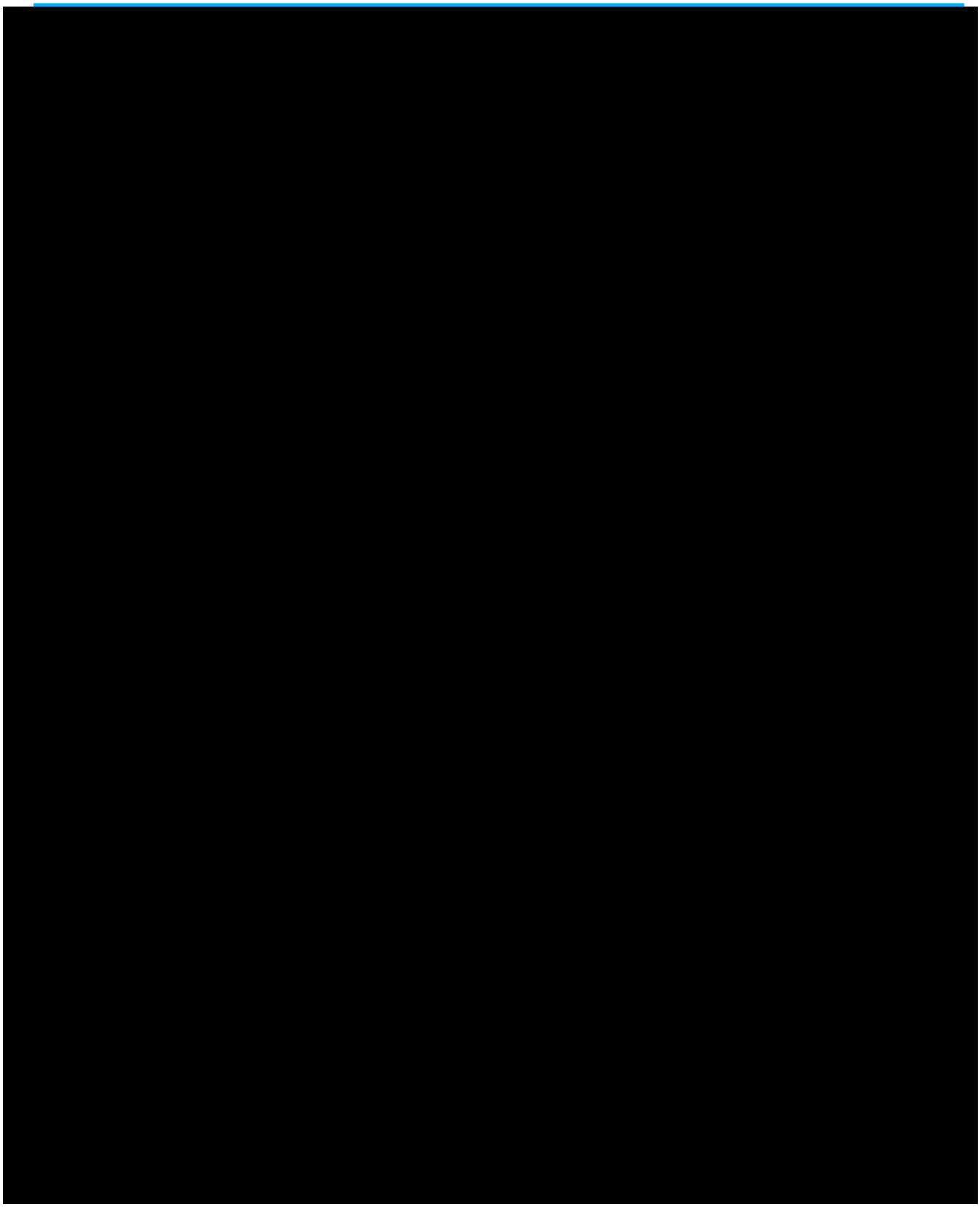
STREET NAME	FROM	TO
[redacted]		

Attachment C: Manhole locations

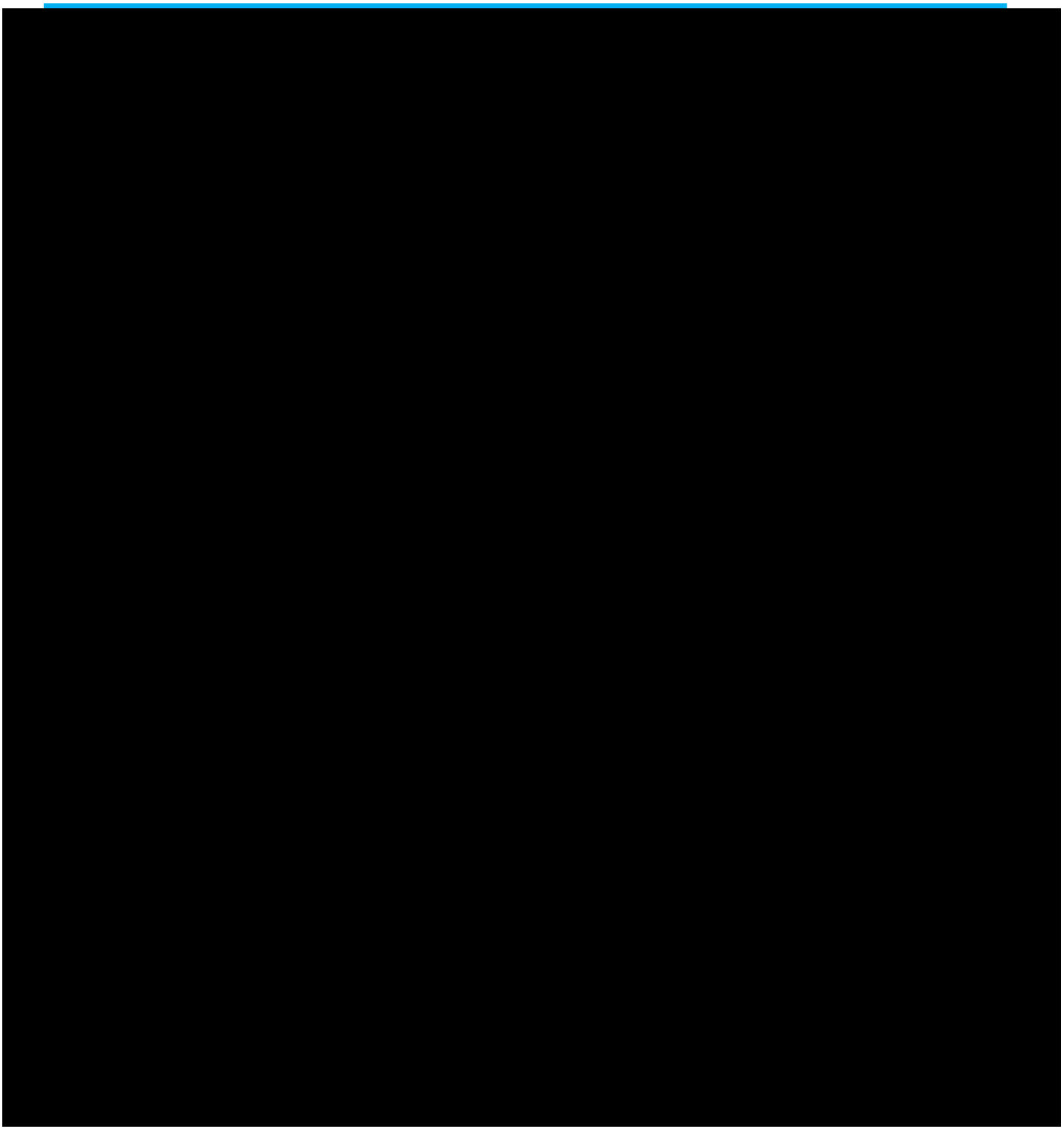
[redacted]

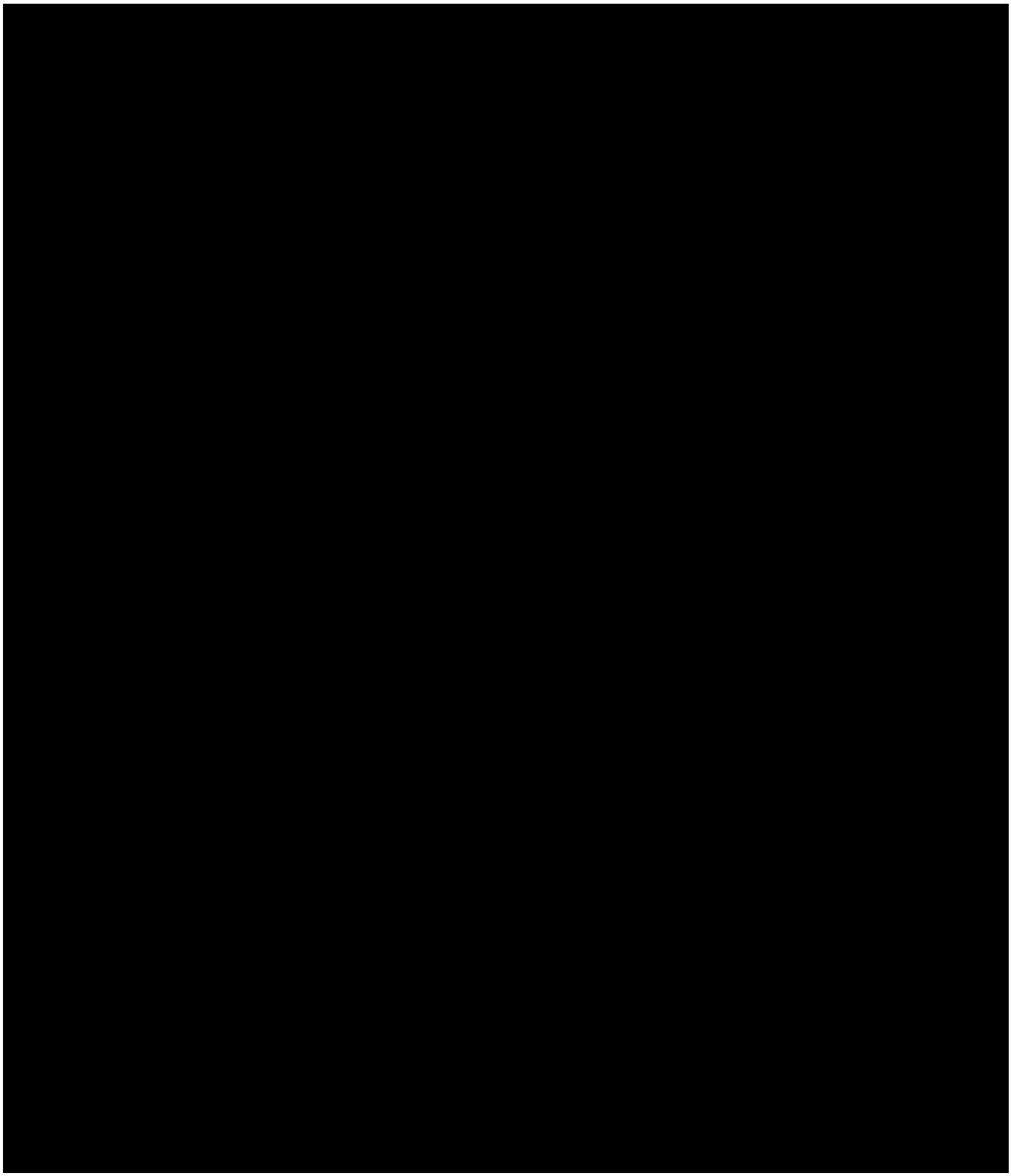












Attachment D: Partial Funding PAF

Operations Project Authorization Form

Project Title: Town of Greenwich – Repl MH Covers	**Project Number:** CD02220
Date Prepared: 04/28/2023	**Company:** Eversource CT
Organization: Electric Field Operations	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** UNDERGROUND STRUCTURE ISSUE
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** No
Estimated in service date: 12/31/24	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply)**:**
Total Gross Capital Request: $383K	**Authorization Type:** Initial Funding

Executive Summary

The Town of Greenwich sent Eversource their 2023/2024 Street Paving list and request that we address any projects that include streets on the list. This project seeks to replace approximately [redacted] MH covers with new Energy release covers on streets in conjunction with the Town's paving list.

Project Costs Summary

Note: Dollar values are in thousands

Capital Costs	2023	2024	2025+	Total
Internal Labor and Construction Equipment	4.1	4.1	0.0	8.1
Outside Services	78.6	78.6	0.0	157.3
Materials	4.9	4.9	0.0	9.8
Removals	45.5	45.5	0.0	91.0
Other	0.2	0.2	0.0	0.3
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**133.3**	**133.3**	**0.0**	**266.5**

Indirect Capital Costs	2023	2024	2025+	Total
Indirects/Overheads (including benefits)	57.6	57.6	0.0	115.2
Capitalized interest or AFUDC, if any	0.6	0.6	0.0	1.3
Subtotal	**58.2**	**58.2**	**0.0**	**116.5**
Total Capital Costs (Gross)	**191.5**	**191.5**	**0.0**	**383.0**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**191.5**	**191.5**	**0.0**	**383.0**

Technical Justification:

Project Need, Objective and Justification:

The Town of Greenwich will be paving several streets in 2023/2024. Eversource will take this opportunity to replace MH covers on some streets with new energy release MH covers. This represents a public safety improvement for the company and its customers.

Project Scope:

[redacted]

Background:

Eversource plans on installing new energy release covers on its manholes moving forward. Existing manhole covers will be replaced with the new covers over time. The town of Greenwich will be paving several streets in 2023 and 2024. Eversource will be taking this opportunity to replace covers on manholes along affected streets.

Alternatives Considered:

Do Nothing. Eversource can wait until a future date to replace these manhole covers. However, it is prudent to replace them now while the road is being paved so that the road will not have to be dug up in the future after it has already been paved.

Regulatory Approvals:

Are Regulatory body approvals needed for the project?

No

Project Schedule

Milestone/Phase Name	Estimated Date
100% Engineering Completion	June 2023
Construction Start	July 2023
In Service Date	December 2024

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2023	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Internal construction resources not available to perform the work.	2023	High	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Internal engineering resources not available to perform the work.	2023	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2023	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2023	Low	If storm activity delays work, we may be forced to use external resources.
Technological risks involving integration of new technology	2023	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.

References

CD02220_project_needs_statement.pdf

Greenwich 2023-2024 Projected

Appendices (One-Line Diagrams, Images, etc.)

Greenwich%20Paving%20List%20-%20M