[redacted]

[redacted]

In accordance with Eversource's NB-12 policy, the expected revenue over 6.7-year for this customer is $895K. As this exceeds the project cost, by section A of the policy, this project will be completed at no cost to the customer. Section B of the policy does not apply. The customer is expected to utilize 100% of the additional circuit capacity provided by the OH work and 27% of the additional circuit capacity provided by the UG work. Under the NB-12 policy Section C the customer will be billed a refundable advance amount of $744.4k with CIAC included in case the customer fails to meet the anticipated revenue within four years of the completion of the work. This advance will be returned to the customer upon achieving the anticipated revenue.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2025	Year 2026	Year 2027+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	103.2	0.0	0.0	103.2
Outside Services	14.9	0.0	0.0	14.9
Materials	330.3	0.0	0.0	330.3
Removals	22.8	0.0	0.0	22.8
Risk and Contingency	70.7	0.0	0.0	70.7
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**541.9**	**0.0**	**0.0**	**541.9**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	472.2	0.0	0.0	472.2
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal – Indirect Costs	**472.2**	**0.0**	**0.0**	**472.2**
Total Gross Capital Costs	**1,014.1**	**0.0**	**0.0**	**1,014.1**
Customer Contribution	**-4.2**	**0.0**	**0.0**	**-4.2**
Total Net Capital Project Costs	**1,009.8**	**0.0**	**0.0**	**1,009.8**

[redacted]

Major Materials:

- 2 x Recloser and Control
- Set of 576 kVA Regulators and Platform
- 1500 kVA Pad mounted Transformer

4. Alternatives Considered

NWS Exclusion Criteria (select all that apply)

☐ Project cost < $250k	☒ New Service
☐ CDOT Relocation	☐ Generator interconnection project
☐ Maintenance, Asset condition or safety related*	

Project Option Comparison

[redacted]			
Additional Benefits (not required to meet scope of project)			
Additional ties created	1	1	1
Authorization Type	Full	Full	Full
Capital Cost	$1,014.1k	$1,073.5k	$1,970.2k
Expense Cost	$52.1k	$55.2k	$101.3k
Total Cost	$1,066.2k	$1,128.70k	$2,071.5k
Preferred option	X		

Option Summary

All Options include:

All Options will include [redacted]

Option 1 – [redacted] - Preferred

Option 1, in addition to the work included on all options, [redacted] ice at the most cost-effective option.

Option 2 – [redacted]

Option 2, in addition to the work included on all options, [redacted] and it is not as cost effective as option 1.

Option 3 – New Service on 37F1 (Aerial Cable for Victoria Dr.)

Option 3, in addition to the work included on all options, [redacted] This option **was not** selected because it is not as cost effective as option 1. According to the NB policy, the customer is only responsible for the cheapest option. This option also does not comply with the distribution system planning guide section 2.7.2, this option creates a double circuit pole line with over 1000 customer exposure.

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	10/10/2024
100% Detailed Engineering Completion	12/31/2024
Fully Funded	4/11/2025
Construction Start	5/1/2025
In Service Date	9/1/2025

6. Regulatory Decisions

N/A

7. Codes and Standards

DSEM 5.012

CAPACITY

1. Present Needs – Present capacity needs must be met, both for normal conditions and for contingency conditions to the degree the Company wishes to accommodate them. In general, for a single-contingency condition, lengthy outages must be avoided, except for the group of customers directly tied to the outage, and this group of customers is generally limited to 500 customers or 160 amps of load.

New Business (NB) Policy 12

POLICY

A) Company policy is to extend primary distribution or to modify single-phase distribution to three-phase on town roads, state highways, or rights-of-way upon request, at no cost to a customer, provided the estimated construction cost does not exceed 6.7 times the anticipated Annual Distribution Company Revenue from the new three-phase services. For the purposes of this procedure, Annual Distribution Company Revenue is further explained in paragraph B under PROCEDURE below.

C) In addition to the advance set forth in paragraph B above, an additional refundable advance equal to the lower of the construction cost or 6.7 times the anticipated Annual Distribution Company Revenue may be required from the customer in any instance where there is a significant risk that the Company's new construction may not be used to the extent specified by the customer in the request within one year after completion of the extension. This additional advance amount will be refunded when the extension is put to full use, as specified in the customer's request. Full use will be considered to have been achieved when revenue for a two-month period equals or exceeds one-sixth of the anticipated Annual Distribution Company Revenue. This must be achieved within four years of the completion of the extension.

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2025	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Customer Permission / Siting Council / Municipal approvals	2025	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2025	Low	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.	2025	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2025	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2025	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2025	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2025	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.

Wetlands / Environmentally sensitive area	2025	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1. N/A

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

Attachment	Included in Submittal?
A. Partial Funding PAF	*YES*
B.	



[redacted]

c. Project Scope

The scope of this project is as follows:

[redacted]

Major Materials:

- 2 x Recloser and Control
- Set of 576 kVA Regulators and Platform
- 1500 kVA Pad mounted Transformer

4. Alternatives Considered

All Options include:

[redacted]

Option 1 – [redacted]

Option 1, in addition to the work included on all options, [redacted]

Option 2 – Transfer 15Y2-80M Zone

Option 2, in addition to the work included on all options, [redacted] and it is not as cost effective as option 1.

Option 3 – Aerial Cable for Victoria Dr.

Option 3, in addition to the work included on all options, [redacted] This option **was not** selected because it is not as cost effective as option 1. According to the NB policy, the customer is only responsible for the cheapest option.

Project Option Comparison

	[redacted]		
Authorization Type	Partial	Partial	Partial
Capital Cost	$624.4k	$661.0k	$1,580.6k
Expense Cost	$32.1k	$34.0k	$81.2k
Total Cost	$656.5k	$695.0k	$1,661.8k
Preferred option	X		

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	10/10/2024
100% Detailed Engineering Completion	12/31/2024
Fully Funded	3/1/2025
Construction Start	5/1/2025
In Service Date	9/1/2025

6. Regulatory Decisions

7. Codes and Standards

DSEM 5.012

CAPACITY

1. Present Needs – Present capacity needs must be met, both for normal conditions and for contingency conditions to the degree the Company wishes to accommodate them. In general, for a single-contingency condition, lengthy outages must be avoided, except for the group of customers directly tied to the outage, and this group of customers is generally limited to 500 customers or 160 amps of load.

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8. Risk and Contingencies

Contingencies:

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2025	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
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Internal engineering resources not available to perform the work.	2025	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
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Wetlands / Environmentally sensitive area	2025	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1.
2.
3.
4.
5.

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Oneline	*YES*
C. Geographic Map	*YES*
D. Load Sheet	*YES*
E.	

[redacted]

[redacted]

[redacted]







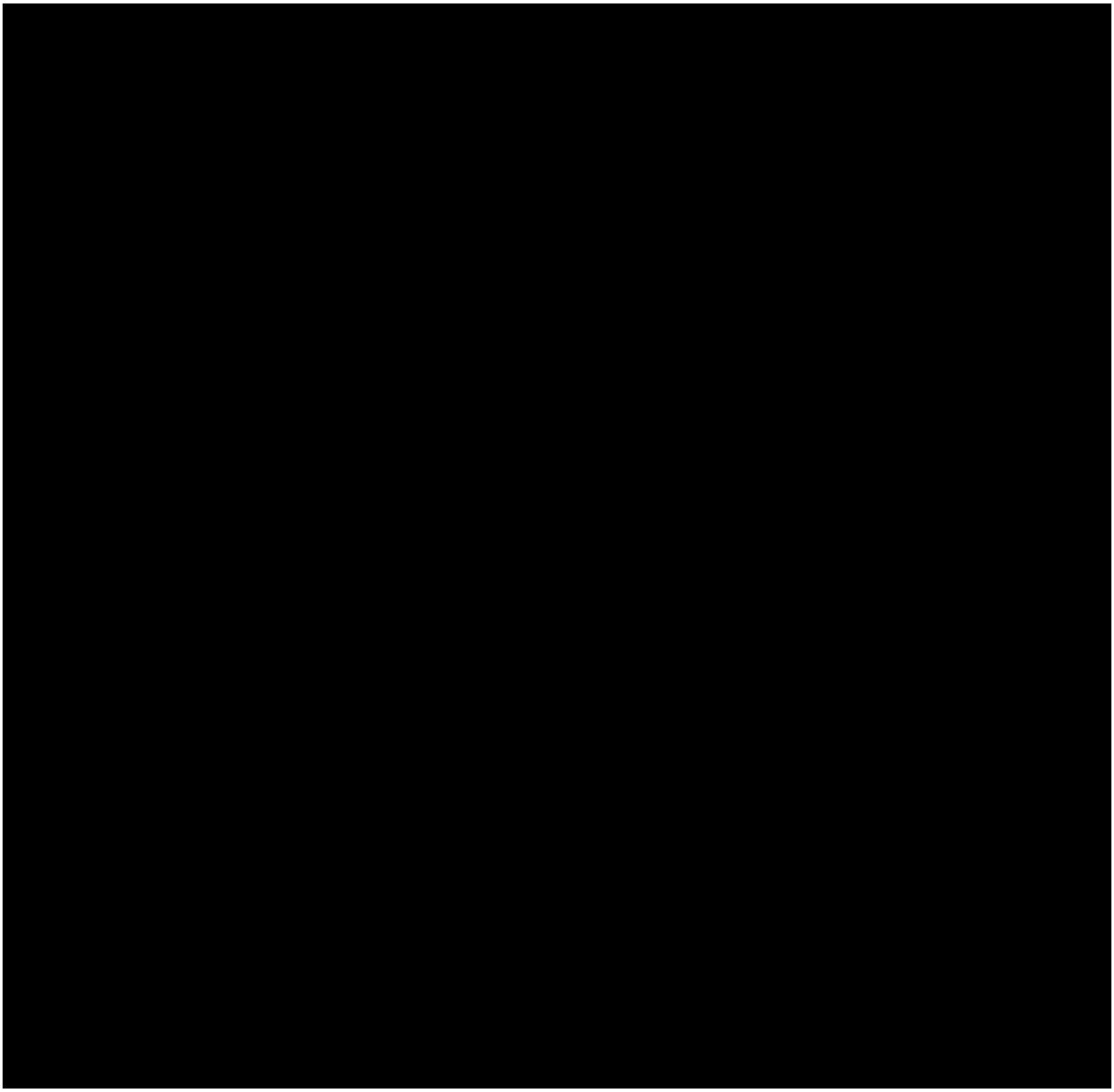
[redacted]



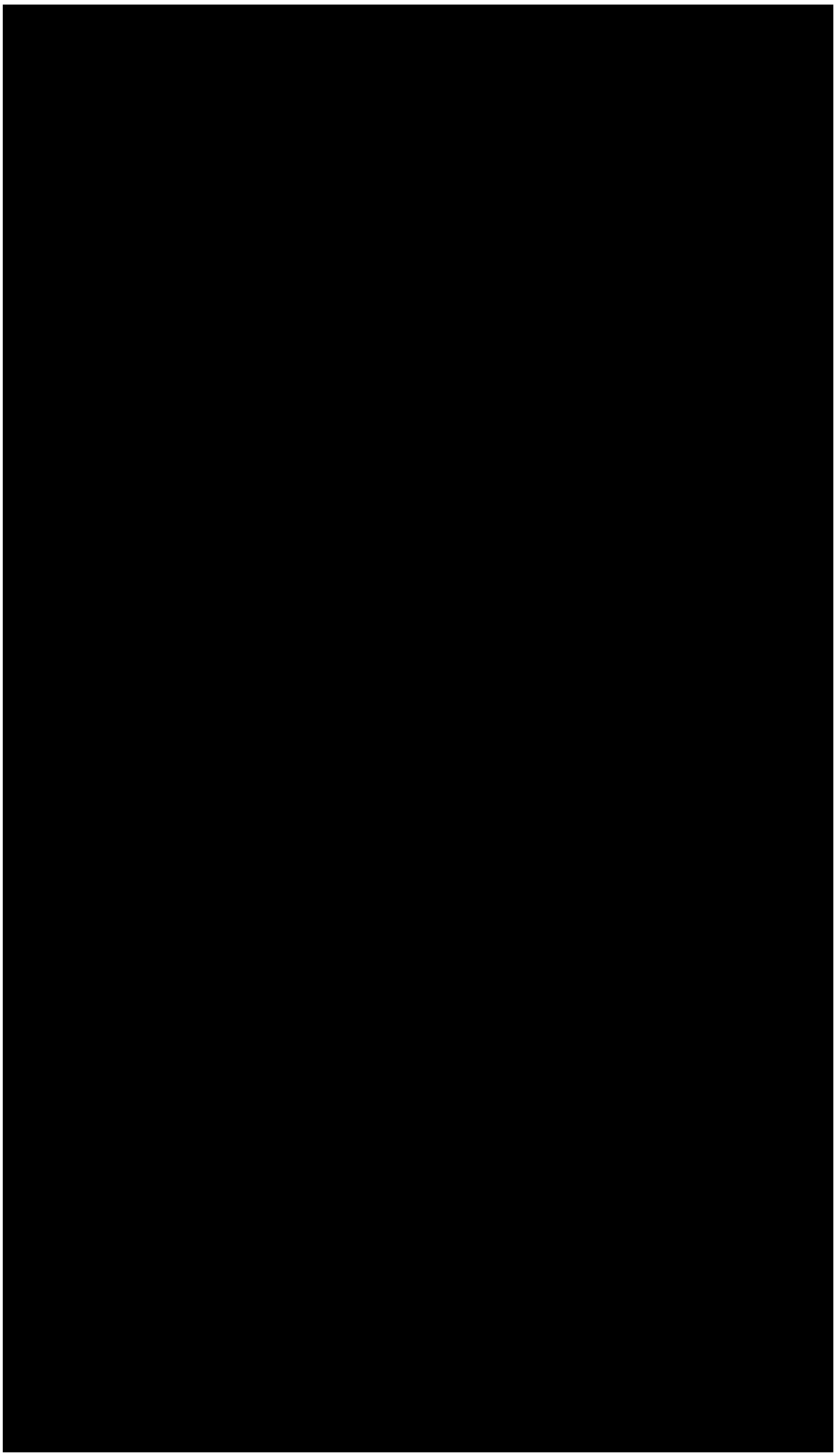
Attachment B: Oneline Existing



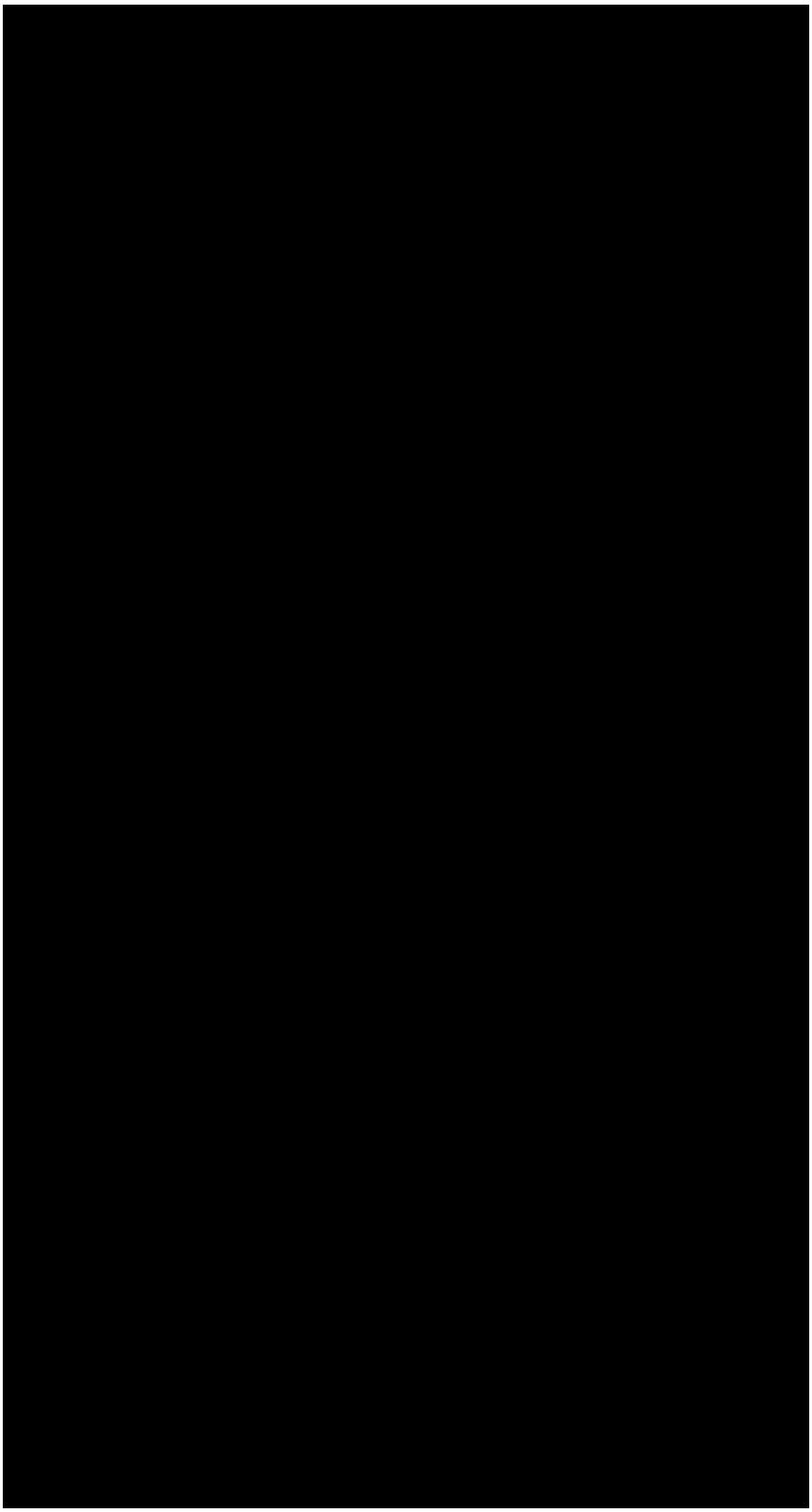
Attachment B: Oneline After



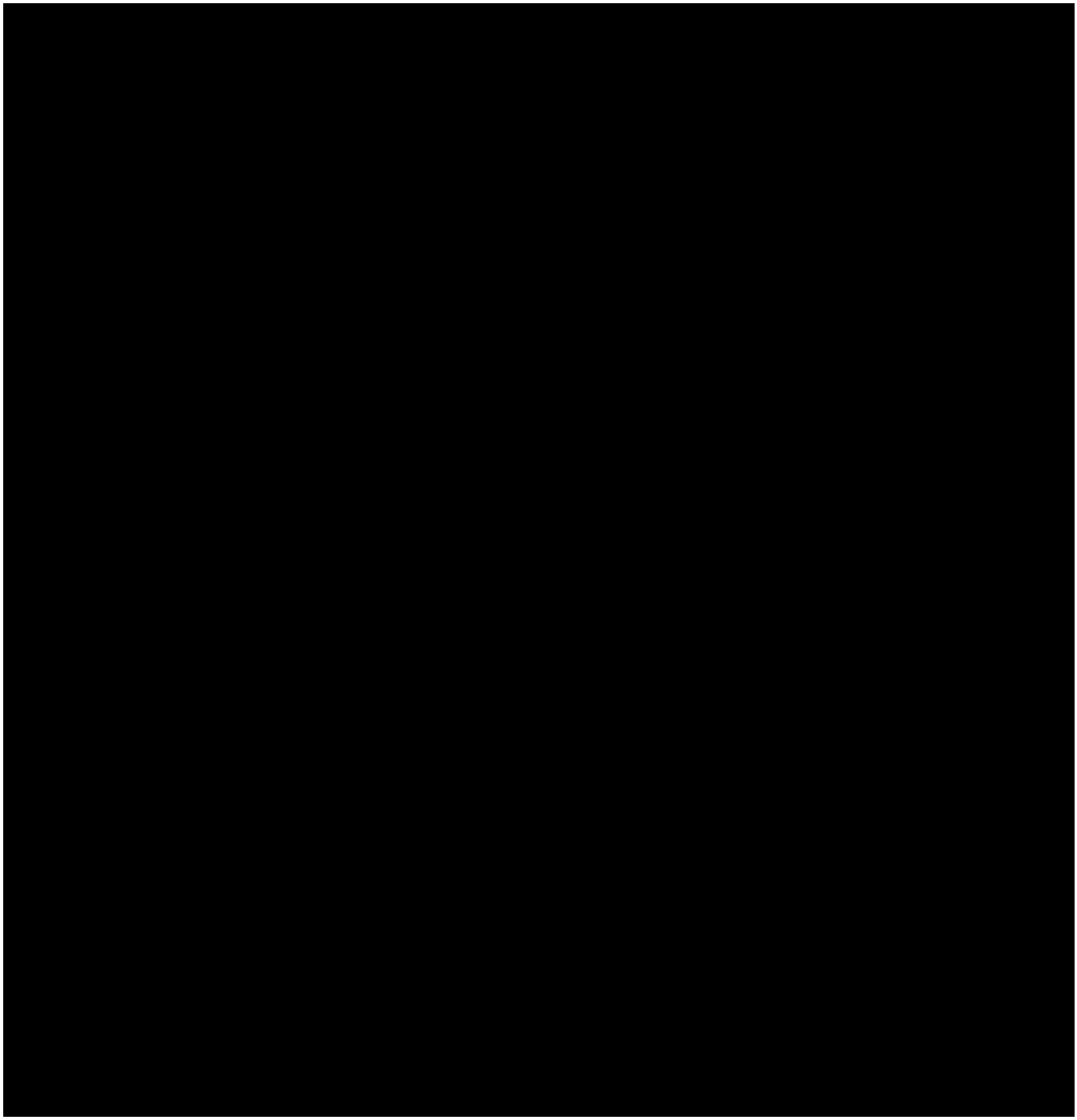
Attachment C: Geo Map Existing



Attachment C: Geo Map After



Attachment D: Load Sheet Existing



Attachment D: Load Sheet After

