



Building a Better World  
for All of Us®

# CHANGE ORDER

City of Ramsey

OWNER

21-08

OWNER'S PROJECT NO.

Water Treatment Plant Trunk Water Main Improvements

PROJECT DESCRIPTION

September 16, 2024

DATE

4

CHANGE ORDER NO.

RAMSY 174498 71.50

SEH FILE NO.

The following changes shall be made to the contract documents:

Description:

This change order consists of seven miscellaneous items related to the project, labeled 202403-CO a – g on the attached Northdale summary invoices as summarize below:

- a. At the intersection at Center St and Bunker Lake Blvd, a fire hydrant was required to be relocated out of the bike trail. **Total cost = \$11,472.53**
- b. On the east side of Ramsey Blvd at 143<sup>rd</sup> Ave, a 6-inch water service was discovered. The City field staff determined this water service was dead so asked the contractor to remove the service and gate valve and plug the stub. Total cost = **\$13,893.21**
- c. A 6-inch sewer service conflict was discovered at 7060 143<sup>rd</sup>, so the City field staff directed the riser to be cut down to avoid the conflict with the new 20" watermain. Total cost = **\$7,942.55**
- d. A major storm sewer conflict was discovered at Jasper St and 143<sup>rd</sup>, requiring additional fittings and work to offset the conflict. Addition private fiber lines increase the time to relay the 20" watermain pipe. Total cost = **\$42,019.15**
- e. Additional work at 115+18 on 143<sup>rd</sup> to avoid a 6" sewer service. Additional curb and gutter had to be removed with the new alignment and avoid the storm sewer and catch basin. A revised plan sheet is attached illustrating this field change. Total cost = **\$12,165.49**
- f. Additional wire was needed to connect the Flow Meter to the cabinet due to field changes in the final cabinet location made by City field staff. Total cost = **\$875.44**
- g. Installation of 2 temporary mailboxes. Total cost = **\$630.00**

The total cost of a-g is **\$88,998.37**.

Purpose of Change Order:

The purpose of this change order is to fully address all miscellaneous field changes that came up during the 143<sup>rd</sup> constructoin.

Basis of Cost:  Actual  Estimated

Attachments (list supporting documents)

- Attached are the appropriate justification invoices for all seven field changes. All changes were authorized by City of Ramsey field staff prior to the work being completed.
- Revised Plan Sheet 33

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 10650 Red Circle Drive, Suite 500, Minnetonka, MN 55343-9229

952.912.2600 | 800.734.6757 | 888.908.8166 fax | [sehinc.com](http://sehinc.com)

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**Contract Status**

Original Contract  
Net Change Prior C.O.'s 1 to 3  
Change this C.O.  
Revised Contract

Time	Cost
_____	\$6,671,414.00
_____	\$396,490.76
_____	\$88,998.37
_____	\$7,156,903.13

Recommended for Approval: **Short Elliott Hendrickson Inc.** by



Dave Hutton, PE (Lic. MN, WI, ND)

Agreed to by Contractor:

Approved for Owner:

Nicole Ohnstad  
BY Northdale Construction

\_\_\_\_\_  
BY City of Ramsey

Administrative Project Manager  
TITLE

\_\_\_\_\_  
TITLE

Distribution Contractor 2 Owner 1 Project Representative 1  
x:\ptv\ramsy\174498\7-const-svcs\71-mgmt\50-chg-order\co4\cpn 21-08 ramsey change order #4.docx

SEH Office 1

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# INVOICE

## NORTHDALE CONST. CO. INC.

9760 71st St NE -Albertville, MN 55301

Office: 763-428-4868

Fax: 763-428-4997

**BILLED TO:**

Short Elliott Hendrickson, Inc.  
 Attn: David Hutton, PE  
 10650 Red Circle Drive, Suite 500  
 Minnetonka, MN 55343

**INVOICE DATE:** 8/9/2024

**INVOICE#** 202403-CO 3 a

**OUR JOB #** 2024-03

**PLAN SHEET #**

**PLAN STATION #**

**JOB NAME:** Trunk WM Improvement

**LOCATION:** Ramsey

**HOUSE # / STREET:** Center St / Bunker Lk

**DATE OF WORK:** 7/8/2024

**DESCRIPTION OF WORK:**

At the intersection of Center St and Bunker Lake Blvd, we were asked to move a hydrant as it in the ped ramp of the bike trail.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
<b>LABOR COSTS</b>				
8.00	Hour	Foreman	\$121.22	\$969.76
8.00	Hour	Backhoe Operator	\$106.07	\$848.56
8.00	Hour	Loader Operator	\$103.66	\$829.28
8.00	Hour	Pipelayer	\$107.42	\$859.36
8.00	Hour	Bottomman	\$104.06	\$832.48
8.00	Hour	Bottomman	\$103.06	\$824.48
<b>EQUIPMENT COSTS</b>				
8.00	Hour	Cat 349 Backhoe	\$512.61	\$4,100.88
2.00	Hour	Cat 950K Loader	\$264.80	\$529.60
1.00	Hour	Ingersol Rand Compactor	\$92.51	\$92.51
1.00	Hour	CAT 259D3 Skidsteer	\$125.30	\$125.30
8.00	Hour	Pickup Truck	\$52.17	\$417.36
			<b>SUBTOTAL:</b>	<b>\$10,429.57</b>
			10% Markup	\$1,042.96
			<b>BALANCE DUE:</b>	<b>\$11,472.53</b>

Questions concerning this Invoice?

Call: Philip B. Lesnar

(763) 428-4868

**MAKE ALL CHECKS PAYABLE TO:**

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**INVOICE DATE:** 8/9/2024

**INVOICE#** 202403-CO 3 b

**OUR JOB #** 2024-03

**PLAN SHEET #**

**PLAN STATION #** 102+20

**JOB NAME:** Trunk WM Improvement

**LOCATION:** Ramsey

**HOUSE # / STREET:** 143rd Ave

**DATE OF WORK:** 7/17/24 - 7/18/24

**DESCRIPTION OF WORK:**

When laying the 20" watermain on the east of Ramsey Blvd on 143rd Ave, we ran into a 6" water service. It was determined that it was a stub not hooked up to anything. The City decided to remove the service and 6" GV and plug the 6" side of the 8x6 tee by Station 102+05.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
<b>LABOR COSTS</b>				
8.00	Hour	Foreman	\$121.22	\$969.76
1.00	Hour	Foreman - OT	\$168.38	\$168.38
8.00	Hour	Backhoe Operator	\$106.07	\$848.56
1.00	Hour	Backhoe Operator - OT	\$145.65	\$145.65
8.00	Hour	Loader Operator	\$103.66	\$829.28
1.00	Hour	Loader Operator - OT	\$142.02	\$142.02
8.00	Hour	Pipelayer	\$107.42	\$859.36
1.00	Hour	Pipelayer - OT	\$150.19	\$150.19
8.00	Hour	Bottomman	\$104.06	\$832.48
1.00	Hour	Bottomman - OT	\$145.15	\$145.15
8.00	Hour	Bottomman	\$103.06	\$824.48
1.00	Hour	Bottomman - OT	\$144.15	\$144.15
<b>EQUIPMENT COSTS</b>				
9.00	Hour	Cat 349 Backhoe	\$512.61	\$4,613.49
4.00	Hour	Cat 950K Loader	\$264.80	\$1,059.20
2.00	Hour	Ingersol Rand Compactor	\$92.51	\$185.02
2.00	Hour	CAT 259D3 Skidsteer	\$125.30	\$250.60
9.00	Hour	Pickup Truck	\$51.38	\$462.42
			<b>SUBTOTAL:</b>	<b>\$12,630.19</b>
			10% Markup	\$1,263.02
			<b>BALANCE DUE:</b>	<b>\$13,893.21</b>

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**INVOICE#** 202403-CO 3 c

**OUR JOB #** 2024-03

**PLAN SHEET #**

**PLAN STATION #**

**JOB NAME:** Trunk WM Improvement

**LOCATION:** Ramsey

**HOUSE # / STREET:** 7060 143rd Ave

**DATE OF WORK:** 7/23/2024

**DESCRIPTION OF WORK:**

When laying the 20" watermain, we ran into a 6" sewer service at 7060 143rd Ave. The Engineer decided we should cut the riser down and offset the sewer service so the 20" watermain could be laid with no conflict.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
<b>LABOR COSTS</b>				
4.50	Hour	Foreman	\$121.22	\$545.49
4.50	Hour	Backhoe Operator	\$106.07	\$477.32
4.50	Hour	Loader Operator	\$103.66	\$466.47
4.50	Hour	Pipelayer	\$107.42	\$483.39
4.50	Hour	Bottomman	\$104.06	\$468.27
4.50	Hour	Bottomman	\$103.06	\$463.77
<b>EQUIPMENT COSTS</b>				
4.50	Hour	Cat 349 Backhoe	\$512.61	\$2,306.75
4.50	Hour	Cat 950K Loader	\$264.80	\$1,191.60
2.00	Hour	Ingersol Rand Compactor	\$92.51	\$185.02
4.50	Hour	Pickup Truck	\$51.38	\$231.21
<b>MATERIAL COST</b>				
18.00	LF	6" SDR 35 Pipe	\$22.29	\$401.22
			<b>SUBTOTAL:</b>	<b>\$7,220.50</b>
			10% Markup	\$722.05
			<b>BALANCE DUE:</b>	<b>\$7,942.55</b>

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**INVOICE DATE:** 8/9/2024

**INVOICE#** 202403-CO 3 d

**OUR JOB #** 2024-03

**PLAN SHEET #** 32

**PLAN STATION #** 110+18

**JOB NAME:** Trunk WM Improvement

**LOCATION:** Ramsey

**HOUSE # / STREET:** 143rd Ave / Jasper St

**DATE OF WORK:** 7/25/24 & 7/29/24

**DESCRIPTION OF WORK:**

At Jasper St and 143rd Ave, we ran into storm sewer pipe that was not on our plans but were on the cities plans. This caused a major conflict with our 20" Watermain. To remedy this, we had to order 4- 20" 45° bends to do an offset. This resulted in downtime trying to find fittings that were readily available. We were able, after numerous hours to locate (4) 20" 45 degree bends. They were brought to the site later in the afternoon but too late in the day to continue working into the intersection. The guys worked on building the offsets. While working on the offset, there were Fiber Optic lines running along side us and a power line crossing the road at an angle close to the storm sewer which made it more difficult to dig and get a regular trench box in. With all the different utilities in such a tight area we had to use multiple smaller boxes and metal sheeting to protect the trench and also utilities from caving in. Slow going through this intersection. This work was performed over a 2 day period.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
<b>LABOR COSTS</b>				
16.00	Hour	Foreman	\$121.22	\$1,939.52
3.00	Hour	Foreman - OT	\$168.38	\$505.14
16.00	Hour	Backhoe Operator	\$106.07	\$1,697.12
3.00	Hour	Backhoe Operator - OT	\$145.65	\$436.95
16.00	Hour	Loader Operator	\$103.66	\$1,658.56
3.00	Hour	Loader Operator - OT	\$142.02	\$426.06
16.00	Hour	Pipelayer	\$107.42	\$1,718.72
3.00	Hour	Pipelayer - OT	\$150.19	\$450.57
16.00	Hour	Bottomman	\$104.06	\$1,664.96
3.00	Hour	Bottomman - OT	\$145.15	\$435.45
16.00	Hour	Bottomman	\$103.06	\$1,648.96
3.00	Hour	Bottomman - OT	\$144.15	\$432.45
<b>EQUIPMENT COSTS</b>				
12.00	Hour	Cat 349 Backhoe	\$512.61	\$6,151.32
12.00	Hour	Cat 950K Loader	\$264.80	\$3,177.60
2.00	Hour	Ingersol Rand Compactor	\$92.51	\$185.02
19.00	Hour	Pickup Truck	\$51.38	\$976.22
<b>MATERIAL COSTS</b>				
1,220.00	LBS	20" 45° Bend (4 Bends @ 305 lb/ea)	\$10.68	\$13,029.60
35.56	SY	Insulation	\$36.98	\$1,315.01
1.00	LS	Delivery Fee	\$350.00	\$350.00
SUBTOTAL:				\$38,199.23
10% Markup				\$3,819.92
<b>BALANCE DUE:</b>				<b>\$42,019.15</b>

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**INVOICE DATE:** 8/9/2024  
**INVOICE#** 202403-CO 3 e  
**OUR JOB #** 2024-03  
**PLAN SHEET #** 32  
**PLAN STATION #** 115+18  
**JOB NAME:** Trunk WM Improvement  
**LOCATION:** Ramsey  
**HOUSE # / STREET:** 143rd Ave  
**DATE OF WORK:** 8/1/2024

**DESCRIPTION OF WORK:**

At Station 115+18 we ran into a 6" sewer service. We had to dig down to the sewer main to lower the riser in order to get deep enough for the 20" watermain. In addition, we had to remove some curb to make it safe enough, work with the 6" water service that was a lot shallower and had to support the storm sewer crossing as well. Traffic was another issue we had to work with.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
<b>LABOR COSTS</b>				
7.00	Hour	Foreman	\$121.22	\$848.54
7.00	Hour	Backhoe Operator	\$106.07	\$742.49
7.00	Hour	Loader Operator	\$103.66	\$725.62
7.00	Hour	Pipelayer	\$107.42	\$751.94
7.00	Hour	Bottomman	\$104.06	\$728.42
7.00	Hour	Bottomman	\$103.06	\$721.42
<b>EQUIPMENT COSTS</b>				
7.00	Hour	Cat 349 Backhoe	\$512.61	\$3,588.27
7.00	Hour	Cat 950K Loader	\$264.80	\$1,853.60
2.00	Hour	Ingersol Rand Compactor	\$92.51	\$185.02
2.00	Hour	CAT 255D3 Skidsteer	\$143.54	\$287.08
7.00	Hour	Pickup Truck	\$51.38	\$359.66
<b>MATERIAL COST</b>				
12.00	LF	6" SDR 35 Pipe	\$22.29	\$267.48
			<b>SUBTOTAL:</b>	<b>\$11,059.54</b>
			10% Markup	\$1,105.95
			<b>BALANCE DUE:</b>	<b>\$12,165.49</b>

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**INVOICE DATE:** 8/9/2024

**INVOICE#** 202403-CO 3 f

**OUR JOB #** 2024-03

**PLAN SHEET #** 55

**PLAN STATION #** 115+18

**JOB NAME:** Trunk WM Improvement

**LOCATION:** Ramsey

**HOUSE # / STREET:** Zeolite / 147th Ave NW

**DATE OF WORK:** 7/2/2024

**DESCRIPTION OF WORK:**

Submittals were approved for 50' of wire for the Flow Meter. Once the Flow Meter was installed and our Subcontractor was on site to install wire into the cabinet, it was discovered they were roughly 32' short. Since the wire can not be spliced, 100' of new wire had to be ordered. Northdale had a technician from the supplier come out and install the wire along with a new Potting Kit to make it water proof.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
1.00	EA	100' Flow Meter Wire	\$679.38	\$679.38
1.00	EA	Potting Kit	\$59.47	\$59.47
1.50	HR	Installation	\$38.00	\$57.00
			<b>SUBTOTAL:</b>	<b>\$795.85</b>
			10% Markup	\$79.59
			<b>BALANCE DUE:</b>	<b>\$875.44</b>

*Questions concerning this Invoice?*

*Call: Philip B. Lesnar*

*(763) 428-4868*

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Albertville, MN 55301



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**INVOICE#** 202403-CO 3 g

**OUR JOB #** 2024-03

**PLAN SHEET #**

**PLAN STATION #**

**JOB NAME:** Trunk WM Improvement

**LOCATION:** Ramsey

**HOUSE # / STREET:** 6820 & 7150 143rd

**DATE OF WORK:** 7/11/2024

**DESCRIPTION OF WORK:**

Had to provide a temporary mailbox at 6820 143rd Ave and 7150 143rd Ave. Mailboxes will be reinstalled when the road is built and restoration is complete.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
2.00	EA	Temporary Mail Box	\$315.00	\$630.00
			<b>SUBTOTAL:</b>	\$630.00
			<b>BALANCE DUE:</b>	<b>\$630.00</b>

*Questions concerning this Invoice?*

*Call: Philip B. Lesnar*

*(763) 428-4868*

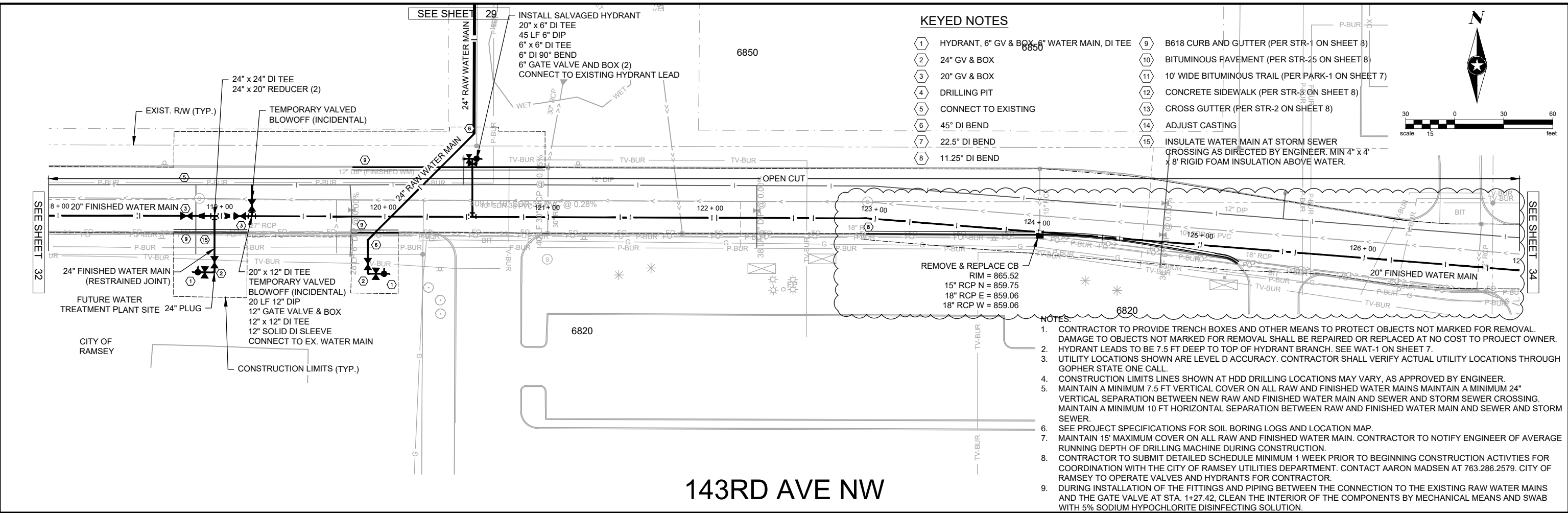
**MAKE ALL CHECKS PAYABLE TO:**

Northdale Construction Co., Inc.

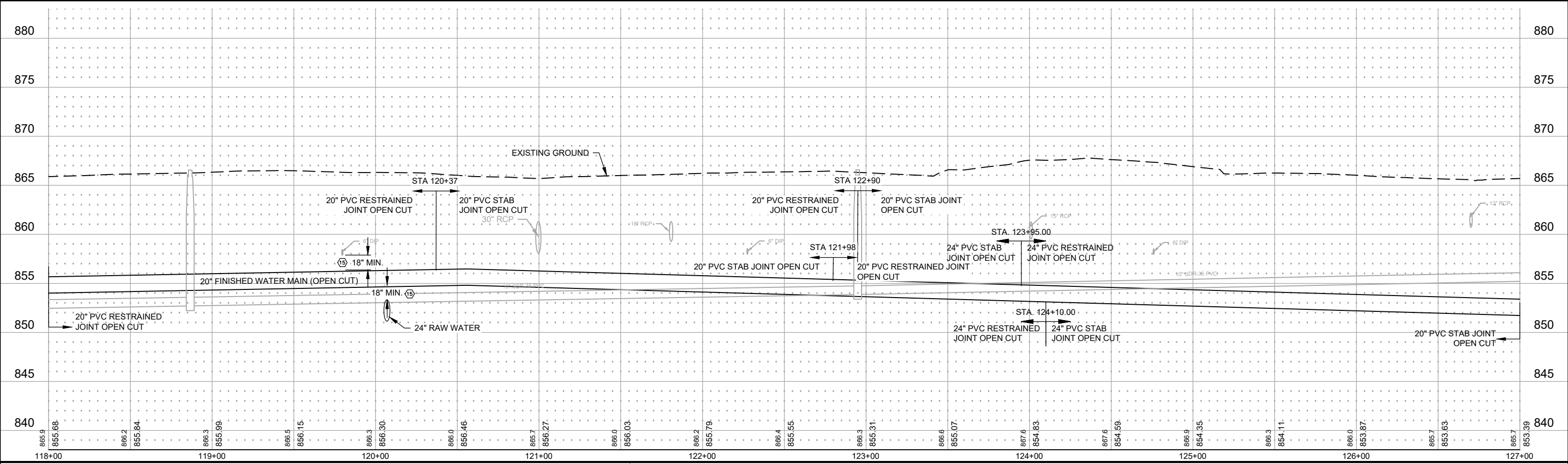
9760 71st St NE

Albertville, MN 55301

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# 143RD AVE NW



SEH Project	RAMSY174498	Rev.#	1	Revision Issue Description	ADDENDUM #1	Date	10/23/2023
Drawn By	JRB, SRP						
Designed By	KLK						
Checked By	CES						

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MN.

*David E. Hutton*  
 David E. Hutton  
 LICENSE NO. 19133  
 DATE 10-06-2023

**WATER TREATMENT PLANT TRUNK WATER MAIN IMPROVEMENTS**  
 Ramsey, Minnesota

**UTILITY PLAN AND PROFILE 143RD AVE NW**

33 of 58