



Building a Better World
for All of Us®

CHANGE ORDER

City of Ramsey

July 2, 2024

OWNER

DATE

21-08

2

OWNER'S PROJECT NO.

CHANGE ORDER NO.

Water Treatment Plant Trunk Water Main Improvements

RAMSY 174498 71.50

PROJECT DESCRIPTION

SEH FILE NO.

The following changes shall be made to the contract documents:

Description:

Increase:

Item	Description	Qty	Unit	Unit Price	Cost
51	HYDRANT	1	EACH	\$7,000.00	\$7,000.00
53	6" GATE VALVE AND BOX	1	EACH	\$2,420.60	\$2,420.60
58	6" DIP WATER MAIN CL 53	20	LF	\$96.78	\$1,935.60
71	DUCTILE IRON FITTINGS	395	LBS	\$12.78	\$5,048.10

Reduce:

65	20" DR 18 FUSIBLE PVC WATER MAIN (HDD) (RAW WATER)	130	LF	\$249.13	(\$32,386.90)
----	---	-----	----	----------	---------------

Add:

	20" BUTTERFLY VALVE	1	EACH	\$17,100.63	\$17,100.63
	6" CONCRETE WALK TRUNCATED DOME	400	SF	\$18.33	\$7,332.00
		10	SF	\$81.58	\$815.80

Additional Item discussed in Field:

15	AGGREGATE BASE CLASS 5 (MODIFIED)	5,512	TON	\$24.01	\$132,343.10
----	-----------------------------------	-------	-----	---------	--------------

CHANGE ORDER 2 TOTAL

\$141,608.93

Purpose of Change Order:

During the project, discussions were held between the City and County on the challenges of directional drilling across Ramsey Blvd to tie into the existing water main on the west side. Specifically as it pertained to keeping all traffic lanes open around the drilling pits. The decision was made jointly with the City and County to eliminate this portion of the project with Ramsey Blvd County right-of-way and have the County install the water main crossing with their project.

Because the 20" fused PVC pipe could not be restocked, the City will be reimbursing the Contractor for materials only but not the labor to install it. This represents an approximate 50% savings in the HDD unit price.

The other component of the project was to revise the street design to make it a full depth reconstruction and build it back to a 9 ton street, rather than the original design to simply mill and overlay the 7 ton street (at the City's request).

The attached plan sheet shows the changes at the 143rd/Ramsey Blvd intersection. It did require some additional water main elements to make this change, such as hydrant, valves, fittings, etc.

The road reconstruction work has not started yet as they are still installing the water main pipe.

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

SEH is 100% employee-owned | Affirmative Action–Equal Opportunity Employer

The following items are related to this change order:

1. 20" HDD across Ramsey Blvd at 143rd St. is being eliminated from the project.
2. The project will now bring the 20" open cut up to the Eastern ROW line of Ramsey Blvd where the 20" butterfly valve will be installed for testing prior to Ramsey Gateway connection with their project in Spring 2025.
3. Increase in Class 5 item is intended to pay for common excavation, subgrade prep and salvage & placement of reclaimed material.
4. Concrete work (6" walk and truncated domes) were add to the project at 147th and Bunker Lake Blvd. at Citys' request, which was not included in the bid.

Contractor has confirmed that all original bid prices still apply to these revisions.

Basis of Cost: Actual Estimated

Attachments (list supporting documents)

- Revised plan sheet 31.

Contract Status

Original Contract

Net Change Prior C.O.'s 0 to 1

Change this C.O.

Revised Contract

Time

Cost

Original Contract		\$6,671,414.00
Net Change Prior C.O.'s <u>0</u> to <u>1</u>		\$130,116.38
Change this C.O.		\$141,608.93
Revised Contract		\$6,943,139.31

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

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

Agreed to by Contractor: _____

Approved for Owner: _____

BY Northdale Construction

BY City of Ramsey

TITLE

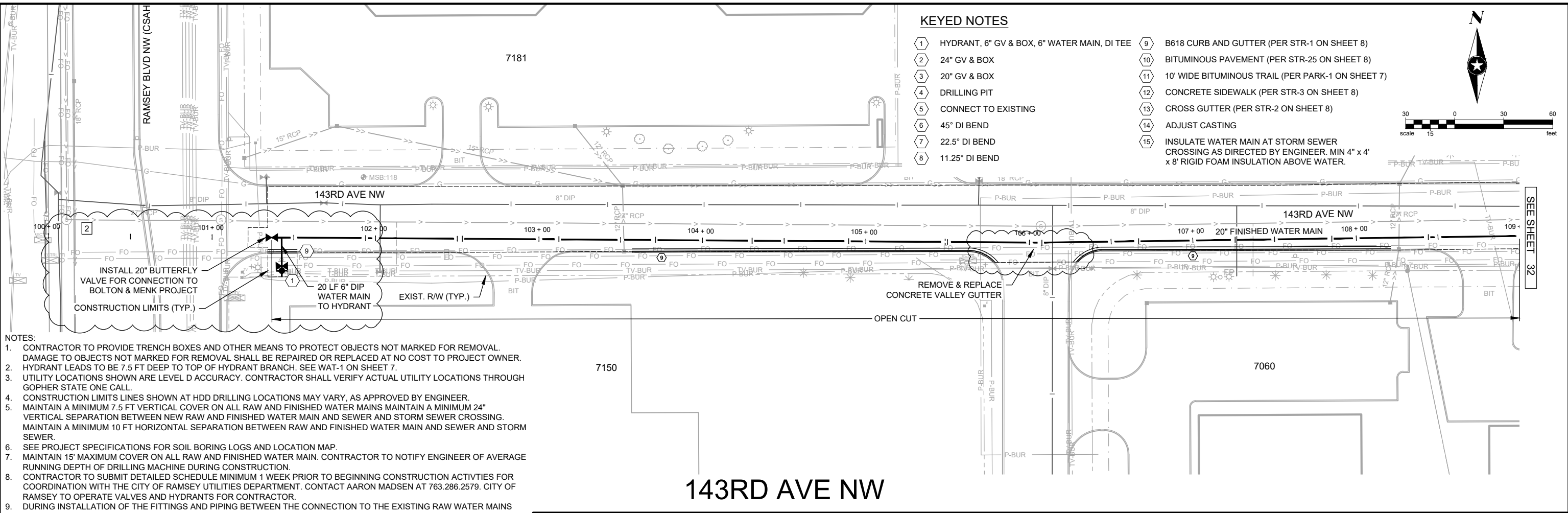
Distribution Contractor 2 Owner 1 Project Representative 1

TITLE

SEH Office 1

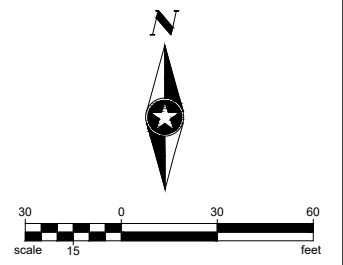
x:\pt\ramsyl\174498\7-const-svcs\71-mgmt\50-chg-order\co2\cpn 21-08 ramsey change order #2 revised.docx

Save: 3/7/2024 3:46 PM aolisen Plot: 3/7/2024 3:48 PM X:\PT\RAMSY\15978315-final-dsgn\51-drawings\10-Civil\cad\dwg\sheet\RA15978317.dwg



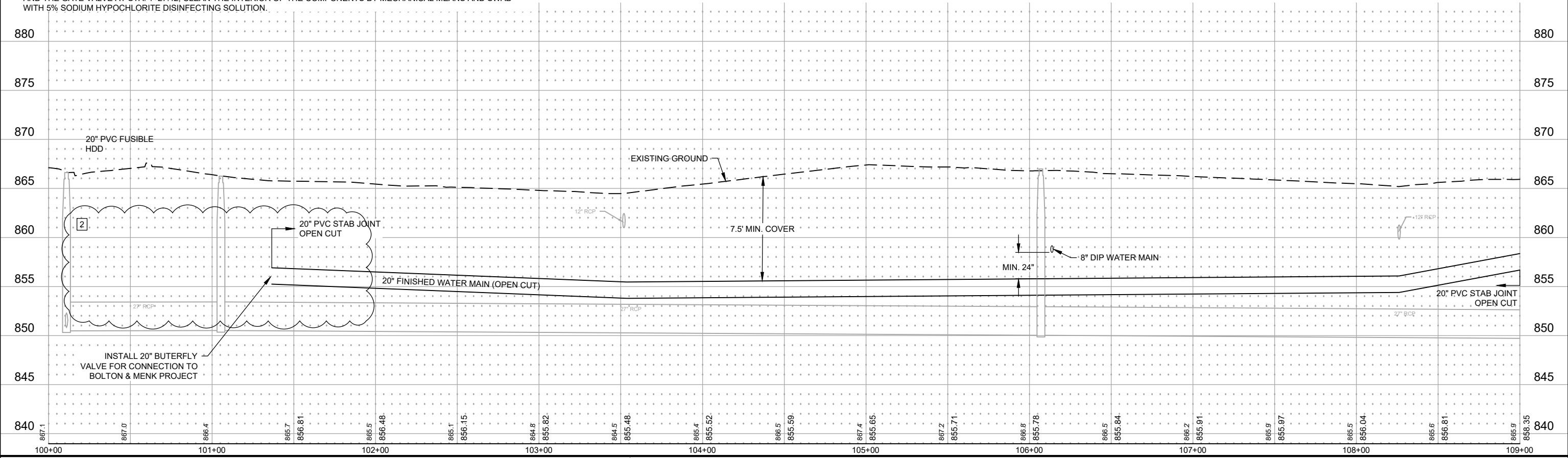
KEYED NOTES

- ① HYDRANT, 6" GV & BOX, 6" WATER MAIN, DI TEE
- ② 24" GV & BOX
- ③ 20" GV & BOX
- ④ DRILLING PIT
- ⑤ CONNECT TO EXISTING
- ⑥ 45° DI BEND
- ⑦ 22.5° DI BEND
- ⑧ 11.25° DI BEND
- ⑨ B618 CURB AND GUTTER (PER STR-1 ON SHEET 8)
- ⑩ BITUMINOUS PAVEMENT (PER STR-25 ON SHEET 8)
- ⑪ 10' WIDE BITUMINOUS TRAIL (PER PARK-1 ON SHEET 7)
- ⑫ CONCRETE SIDEWALK (PER STR-3 ON SHEET 8)
- ⑬ CROSS GUTTER (PER STR-2 ON SHEET 8)
- ⑭ ADJUST CASTING
- ⑮ INSULATE WATER MAIN AT STORM SEWER CROSSING AS DIRECTED BY ENGINEER. MIN 4" x 4" x 8' RIGID FOAM INSULATION ABOVE WATER.



- NOTES:**
1. CONTRACTOR TO PROVIDE TRENCH BOXES AND OTHER MEANS TO PROTECT OBJECTS NOT MARKED FOR REMOVAL. DAMAGE TO OBJECTS NOT MARKED FOR REMOVAL SHALL BE REPAIRED OR REPLACED AT NO COST TO PROJECT OWNER. HYDRANT LEADS TO BE 7.5 FT DEEP TO TOP OF HYDRANT BRANCH. SEE WAT-1 ON SHEET 7.
 2. UTILITY LOCATIONS SHOWN ARE LEVEL D ACCURACY. CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS THROUGH GOPHER STATE ONE CALL.
 3. CONSTRUCTION LIMITS LINES SHOWN AT HDD DRILLING LOCATIONS MAY VARY, AS APPROVED BY ENGINEER.
 4. MAINTAIN A MINIMUM 7.5 FT VERTICAL COVER ON ALL RAW AND FINISHED WATER MAINS MAINTAIN A MINIMUM 24" VERTICAL SEPARATION BETWEEN NEW RAW AND FINISHED WATER MAIN AND SEWER AND STORM SEWER CROSSING. MAINTAIN A MINIMUM 10 FT HORIZONTAL SEPARATION BETWEEN RAW AND FINISHED WATER MAIN AND SEWER AND STORM SEWER.
 5. SEE PROJECT SPECIFICATIONS FOR SOIL BORING LOGS AND LOCATION MAP.
 6. MAINTAIN 15' MAXIMUM COVER ON ALL RAW AND FINISHED WATER MAIN. CONTRACTOR TO NOTIFY ENGINEER OF AVERAGE RUNNING DEPTH OF DRILLING MACHINE DURING CONSTRUCTION.
 7. CONTRACTOR TO SUBMIT DETAILED SCHEDULE MINIMUM 1 WEEK PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES FOR COORDINATION WITH THE CITY OF RAMSEY UTILITIES DEPARTMENT. CONTACT AARON MADSEN AT 763.286.2579. CITY OF RAMSEY TO OPERATE VALVES AND HYDRANTS FOR CONTRACTOR.
 8. DURING INSTALLATION OF THE FITTINGS AND PIPING BETWEEN THE CONNECTION TO THE EXISTING RAW WATER MAINS AND THE GATE VALVE AT STA. 1+27.42, CLEAN THE INTERIOR OF THE COMPONENTS BY MECHANICAL MEANS AND SWAB WITH 5% SODIUM HYPOCHLORITE DISINFECTING SOLUTION.

143RD AVE NW



SEH Project	RAMSY174498	Rev. #	Revision Issue Description	Date	Rev. #	Revision Issue Description	Date
Drawn By	JRB, SRP	1	ADDENDUM #1	10/23/2023			
Designed By	KLK	2	CHANGE ORDER #1	03/08/2024			
Checked By	CES						

SEH

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.

DATE 10-06-2023

David E. Hutton

LICENSE NO. 19133

WATER TREATMENT PLANT

TRUNK WATER MAIN IMPROVEMENTS

Ramsey, Minnesota

UTILITY PLAN AND PROFILE

143RD AVE NW

31

of 58