



Building a Better World  
for All of Us®

# CHANGE ORDER

City of Ramsey

May 1, 2024

OWNER

DATE

21-08

1

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
42	REMOVE WATER MAIN	710	LF	\$20.80	\$14,768.00
46	CONNECT TO EXISTING WATER MAIN	5	EA	\$4,862.50	\$24,312.50
51	HYDRANT	1	EACH	\$7,000	\$7,000.00
53	6" GATE VALVE AND BOX	1	EACH	\$2,420.60	\$2,420.60
58	6" DIP WATER MAIN CL 53	13	LF	\$96.78	\$1,258.14
61	12" DIP WATER MAIN	240	LF	\$136.18	\$32,683.20
62	16" DIP WATER MAIN	145	LF	\$175.28	\$25,415.60
71	DUCTILE IRON FITTINGS	853	LB	\$12.78	\$10,901.34

**Add:**

8" GATE VALVE & BOX	1	EACH	\$3,491	\$3,491.00
12" GATE VALVE & BOX	1	EACH	\$7,866	\$7,866.00

**CHANGE ORDER 1 TOTAL**

**\$130,116.38**

*Purpose of Change Order:*

Field changes were required due to inadequate record plans. Once the water main was encountered various revisions needed to be made in the field to both the new raw work lines and existing distribution lines. The work was done in May but Northdale took several months to provide the unit costs.

Removal and replacement of 12" water main, fittings and hydrant on Center Street and increase quantity for placement of new 16" water main and fittings.

Basis of Cost:  Actual  Estimated

Attachments (list supporting documents)

- Revised plan sheets 19 and 36.

**Contract Status**

	Time	Cost
Original Contract		\$6,671,414.00
Net Change Prior C.O.'s _____ to _____		\$0.00
Change this C.O.		\$130,116.38
Revised Contract		\$6,801,530.38

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)

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

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

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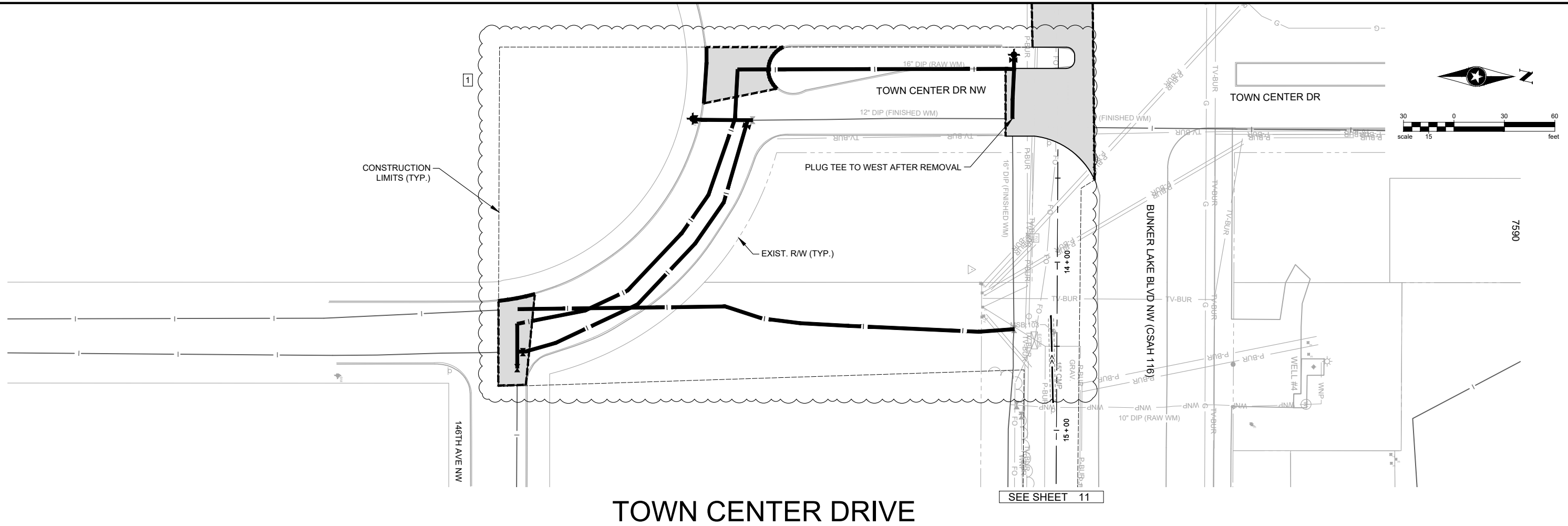
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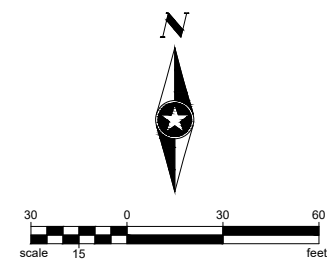
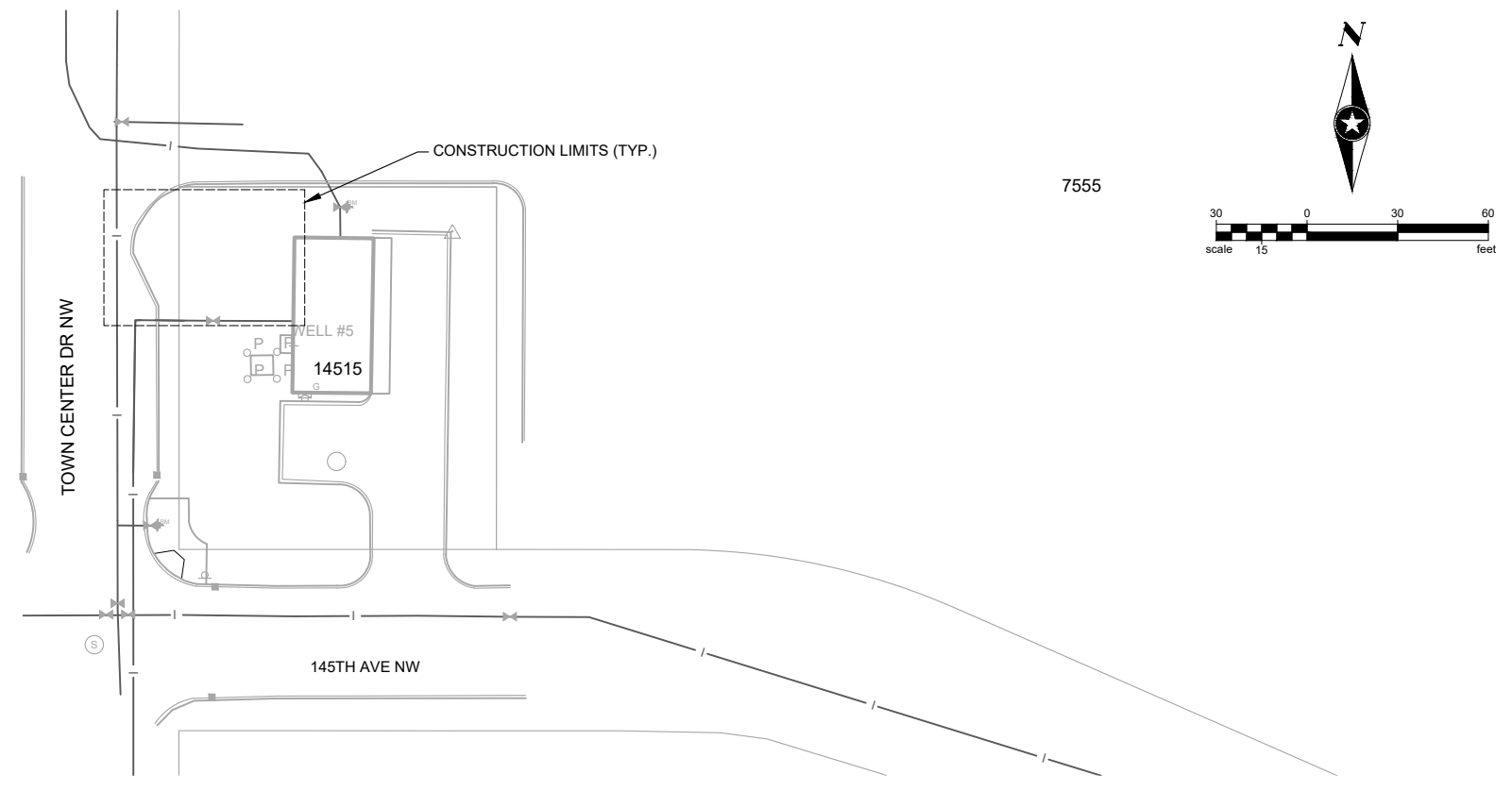
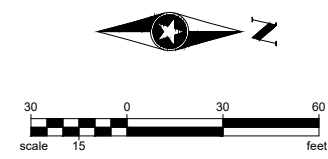
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# TOWN CENTER DRIVE



### REMOVALS

- BITUMINOUS PAVEMENT REMOVAL
- BITUMINOUS DRIVEWAY AND TRAIL REMOVAL
- CONCRETE WALK REMOVAL
- CURB & GUTTER REMOVAL
- SAWCUT
- WATER MAIN REMOVAL
- STORM SEWER REMOVAL (INCLUDES APRONS)
- HYDRANT, GATE VALVE REMOVAL
- TREE REMOVAL
- CLEAR AND GRUB

### REMOVALS NOTES

1. PROTECT ALL OBJECTS NOT MARKED FOR REMOVAL. DAMAGE TO OBJECTS NOT MARKED FOR REMOVAL SHALL BE REPAIRED OR REPLACED AT NO COST TO PROJECT OWNER.
2. PAVEMENT, BITUMINOUS TRAIL, CONCRETE WALK, AND CURB AND GUTTER REMOVAL LIMITS SHALL BE FIELD LOCATED BY THE ENGINEER. MINIMUM CURB REPLACEMENT LENGTH SHALL BE NO LESS THAN HALF A CURB PANEL.

SEH Project	RAMSY174498	Rev.#	Revision Issue Description	Date
Drawn By	JRB, SRP	.		
Designed By	KLK	.		
Checked By	CES	1	FIELD DESIGN REVISION	04/26/2024

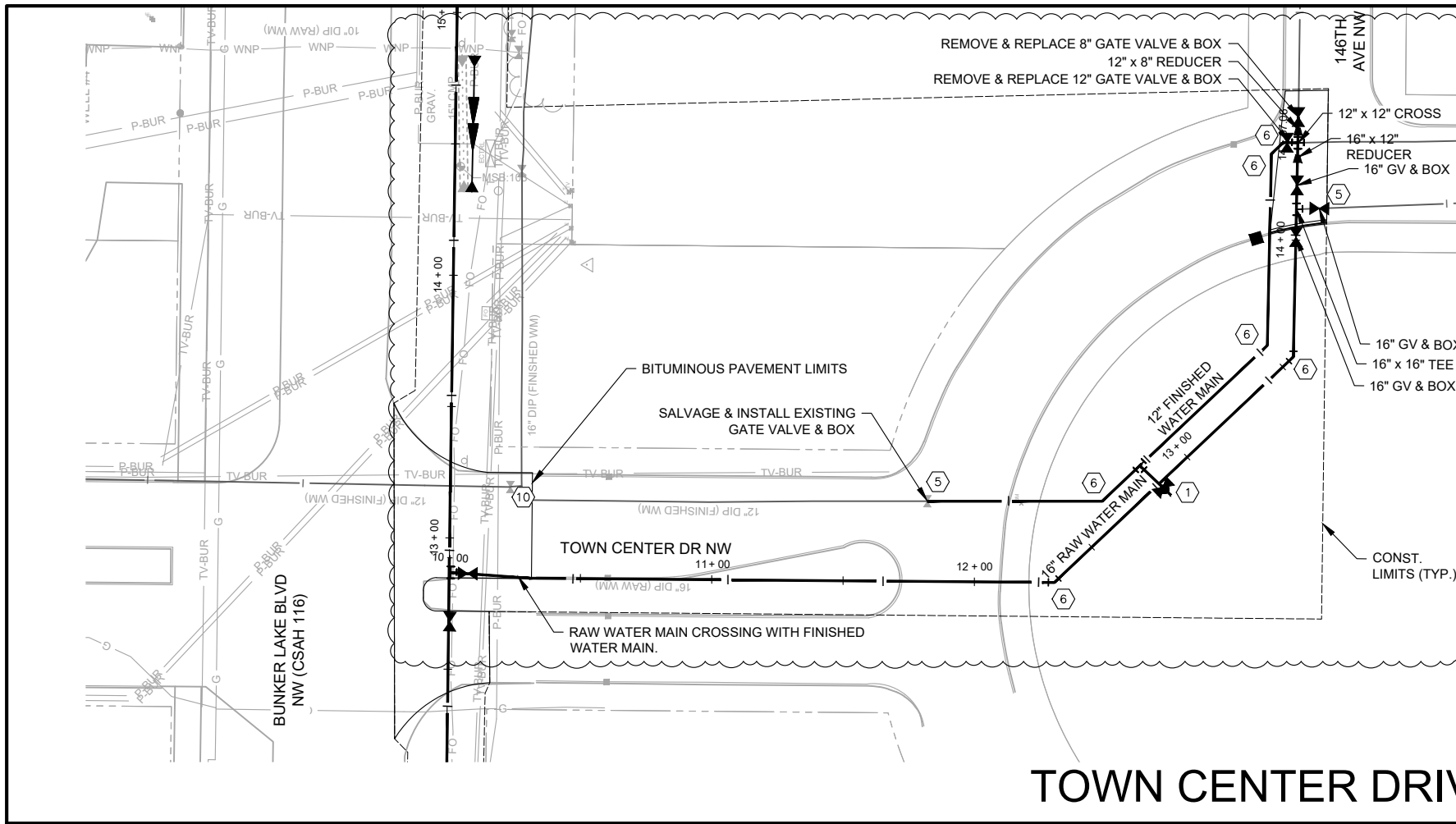
Rev.#	Revision Issue Description	Date
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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MN.  
*David E. Hutton*  
 David E. Hutton  
 LICENSE NO. 19133  
 DATE 10-06-2023

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

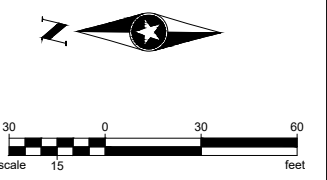
**REMOVAL PLAN  
TOWN CENTER DRIVE**



**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

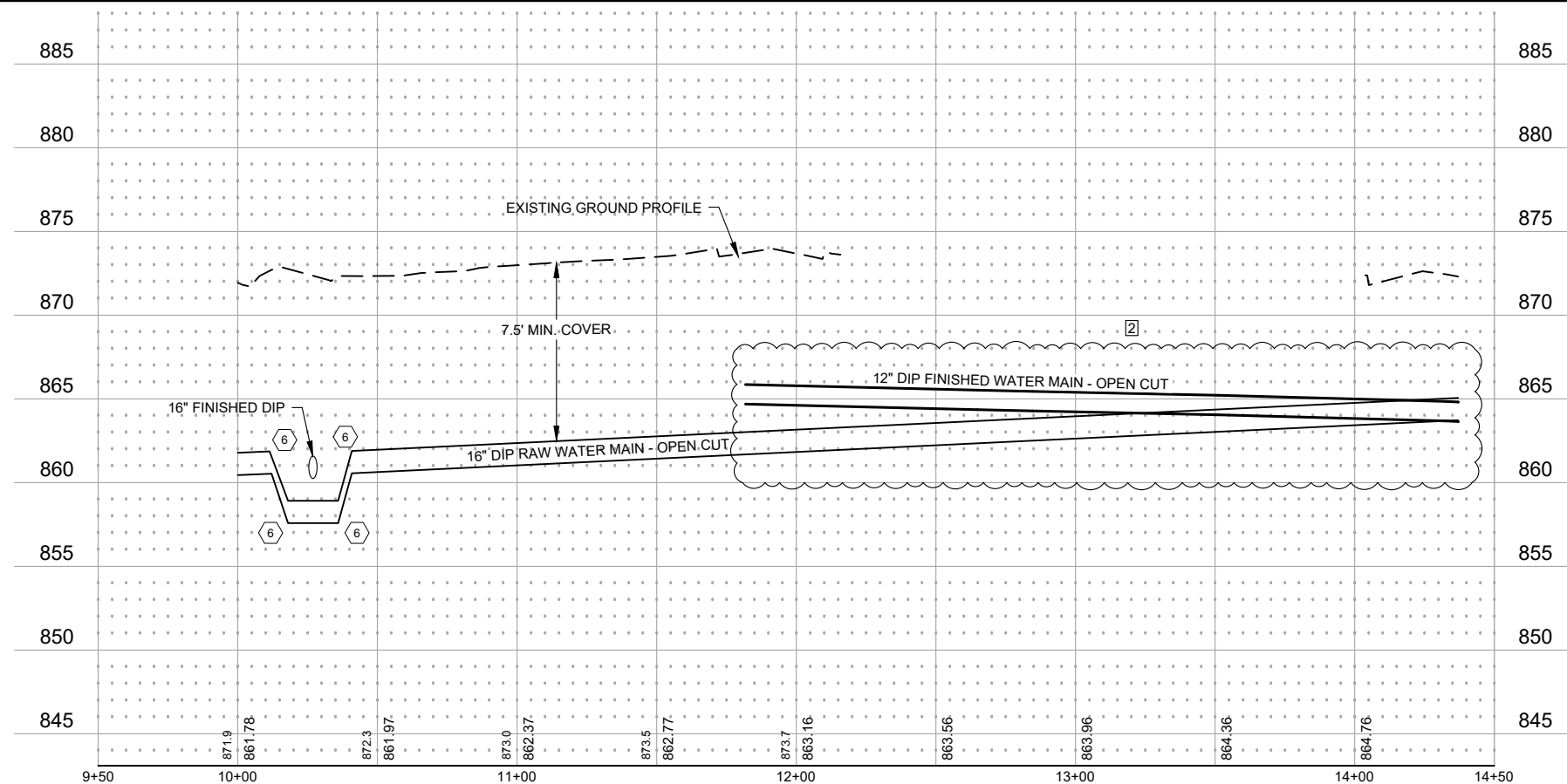
- ⑨ B618 CURB AND GUTTER (PER STR-1 ON SHEET 8)
- ⑩ BITUMINOUS PAVEMENT (PER STR-25 ON SHEET 8)
- ⑪ 10' WIDE BITUMINOUS TRAIL (PER PARK-1 ON SHEET 7)
- ⑫ CONCRETE SIDEWALK (PER STR-3 ON SHEET 8)
- ⑬ CROSS GUTTER (PER STR-2 ON SHEET 8)
- ⑭ ADJUST CASTING
- ⑮ INSULATE WATER MAIN AT STORM SEWER CROSSING 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.
2. HYDRANT LEADS TO BE 7.5 FT DEEP TO TOP OF HYDRANT BRANCH. SEE WAT-1 ON SHEET 7.
3. UTILITY LOCATIONS SHOWN ARE LEVEL D ACCURACY. CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS THROUGH GOPHER STATE ONE CALL.
4. CONSTRUCTION LIMITS LINES SHOWN AT HDD DRILLING LOCATIONS MAY VARY, AS APPROVED BY ENGINEER.
5. 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.
6. SEE PROJECT SPECIFICATIONS FOR SOIL BORING LOGS AND LOCATION MAP.
7. MAINTAIN 15' MAXIMUM COVER ON ALL RAW AND FINISHED WATER MAIN. CONTRACTOR TO NOTIFY ENGINEER OF AVERAGE RUNNING DEPTH OF DRILLING MACHINE DURING CONSTRUCTION.
8. 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.
9. 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.

**TOWN CENTER DRIVE**



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SEH Project	RAMSY174498	Rev.#	Revision Issue Description	Date	Rev.#	Revision Issue Description	Date
Drawn By	JRB, SRP	.			.		
Designed By	KLK	2	FIELD DESIGN REVISION	04/26/2024	.		
Checked By	CES	1	ADDENDUM #2	10/27/2023	.		

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*David E. Hutton*  
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**TRUNK WATER MAIN IMPROVEMENTS**  
 Ramsey, Minnesota

**UTILITY PLAN AND PROFILE**  
**TOWN CENTER DRIVE**