

Memorandum

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To: Karen Kill, Director of Brown's Creek Watershed District

From: Reabar Abdullah, Assistant City Engineer

City of Stillwater, MN

Date: June 7, 2023

Re: 62nd Street Trail

Background

The properties along the south side of Long Lake Drive in Stillwater were built in 2004 with a low floor opening of 907.27. The high water elevation at the pond south of the properties was designed to be at 905.5. When 62nd Street trail was built, the over flow was at 906.04. This raised the high water elevation in the pond to 907.27, which does not line up with the current regulations of the BCWD and the City of Stillwater to have 2-feet freeboard separation between the low opening of properties and the 100-year high-water elevation. EOR ran a few scenarios of lowering the trail. The table below shows the result and the effect on the separation.

Trail Elevation Scenario	100-Year HWL	Freeboard (LFE 907.27)
Existing @ 906.04	907.27	0
Lower 903.90	905.70	1.57
Lower 903.75	905.47	1.80
Lower 903.50	905.27	2.00

The Project

The City of Stillwater discussed the best scenario with BCWD and EOR and decided to lower the trail to 903.50 in order to provide the 2-foot freeboard for the properties along the pond. The estimated cost of lowering the trail by two feet is \$19,970.

The City would like to ask the BCWD for a contribution of 50% of the total cost toward the project. The City will be responsible for the other half. The City of Stillwater will enter in an agreement with BCWD to implement the project.

Attachment

- 62nd Street trail plan set
- Engineers estimate of quantities.

CITY OF STILLWATER, MINNESOTA

2023 62nd STREET POND PROJECT PROJECT # 2023-MISC

SHEET # INDEX DESCRIPTION

1	TITLE SHEET
2	SITE DEMOLITION PLAN
3	GRADING AND DRAINAGE PLAN

THIS PLAN SET CONTAINS 3 SHEETS

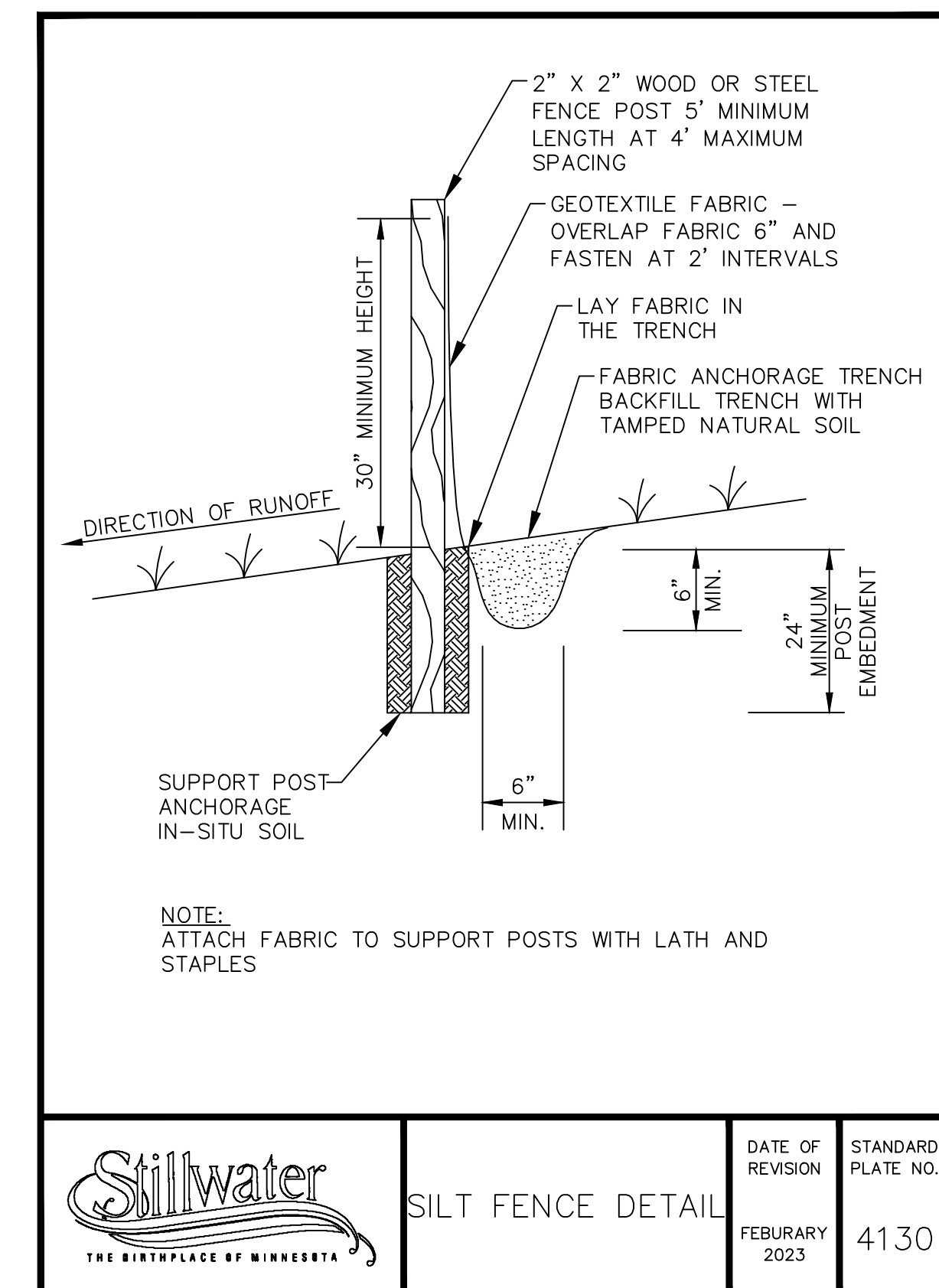
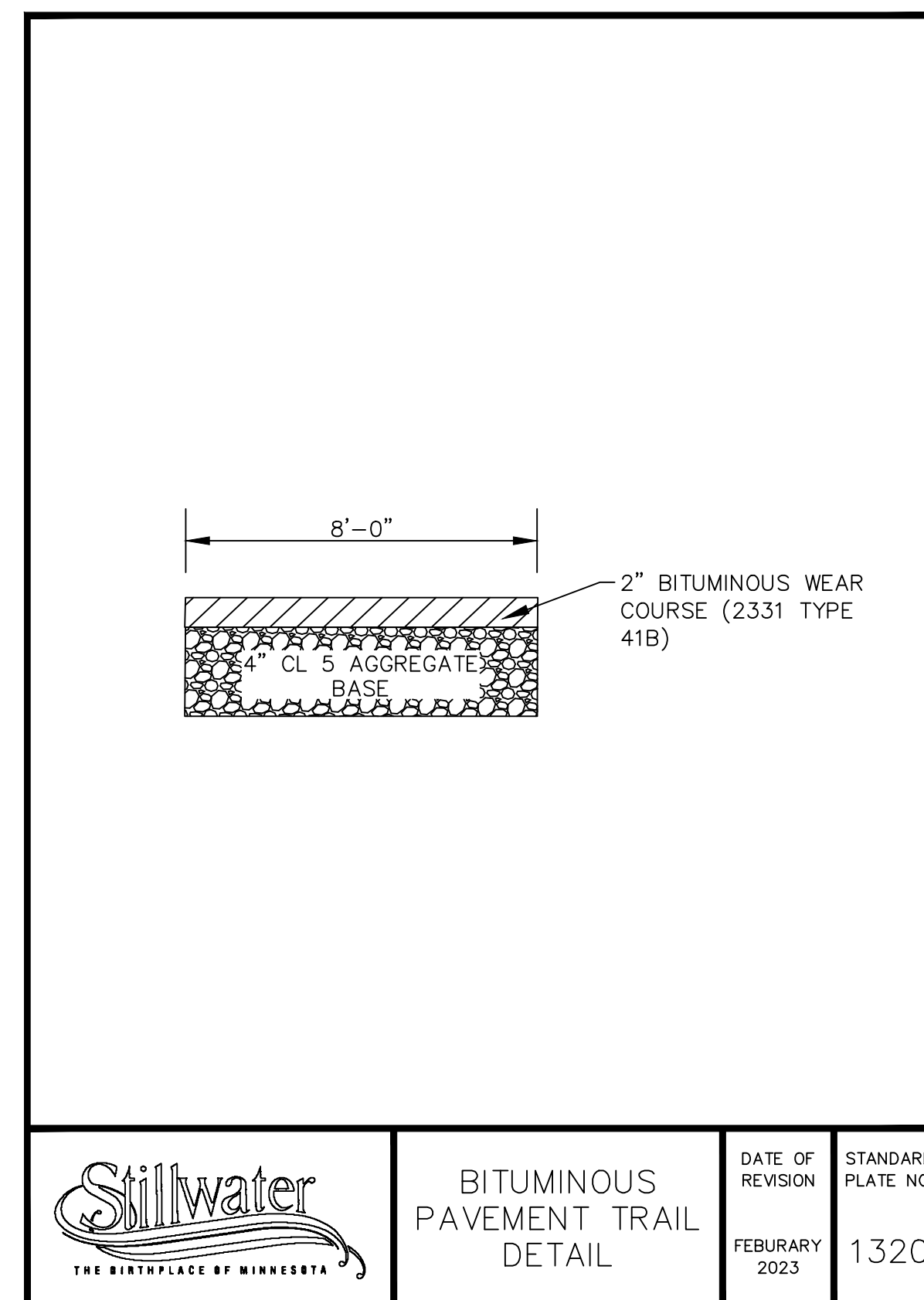
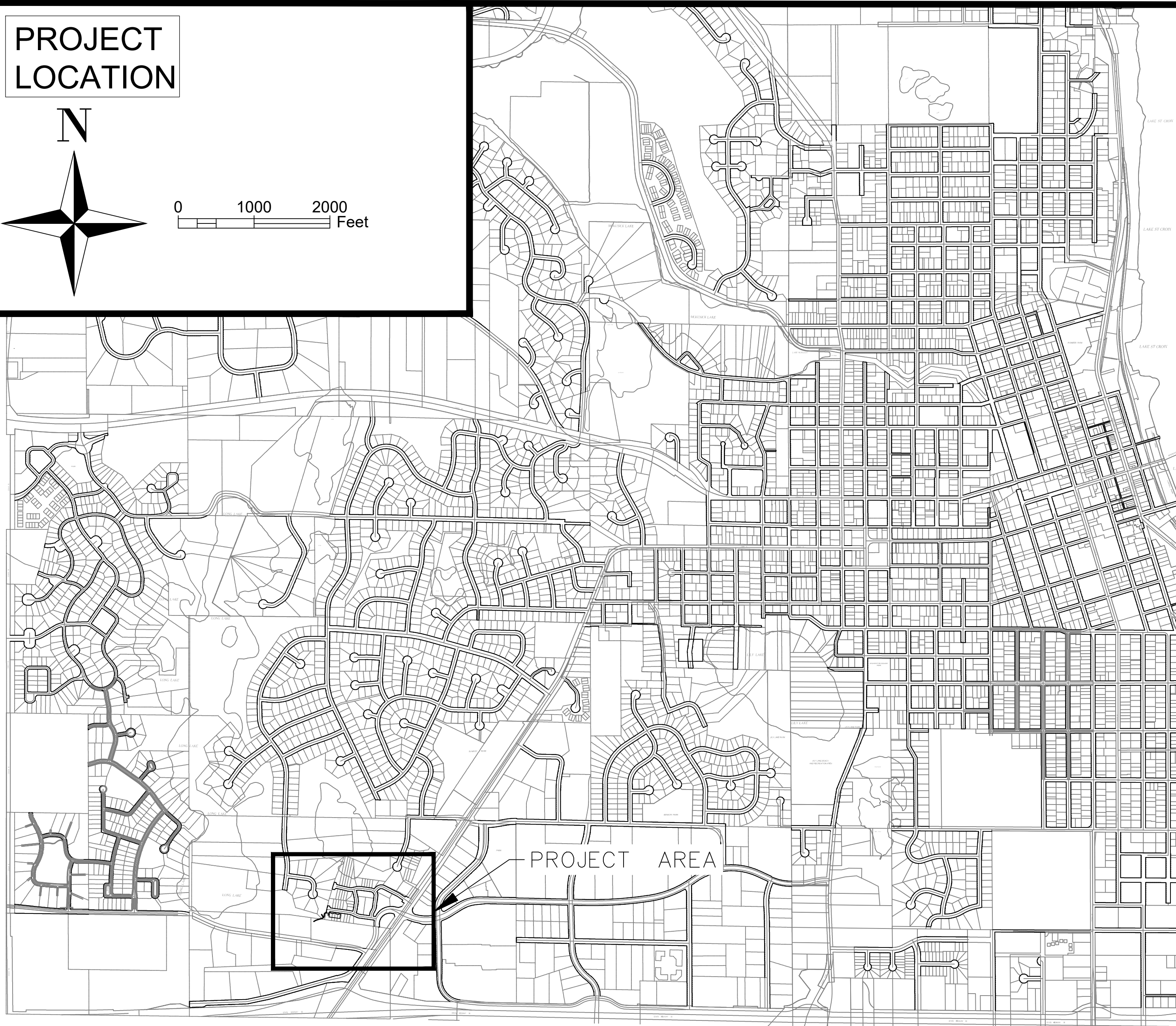
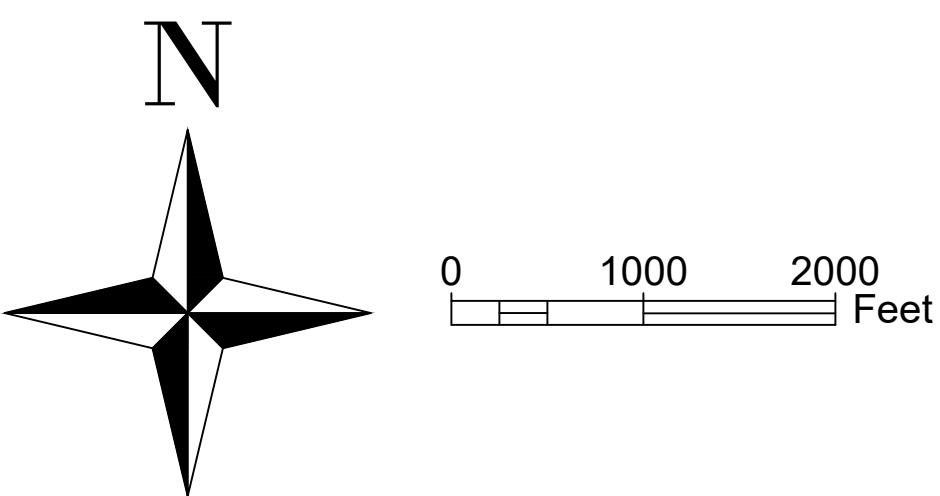
GENERAL NOTES:

1. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL "D". THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
2. THE EXACT LOCATION OF UNDERGROUND GAS, TELEPHONE, FIBEROPTIC, ELECTRIC, CABLE TV AND PIPELINES ARE UNKNOWN. THE CONTRACTORS SHALL CONTACT GOPHER STATE ONE PRIOR TO COMMENCING EXCAVATION.
3. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS"

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE 2020 EDITION OF THE "MATERIALS LAB SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

PROJECT LOCATION



	BITUMINOUS PAVEMENT TRAIL DETAIL	DATE OF REVISION FEBRUARY 2023	STANDARD PLATE NO. 1320

	SILT FENCE DETAIL	DATE OF REVISION FEBRUARY 2023	STANDARD PLATE NO. 4130

NO.	DRAWN	CHECKED	DATE	REVISIONS

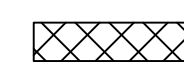




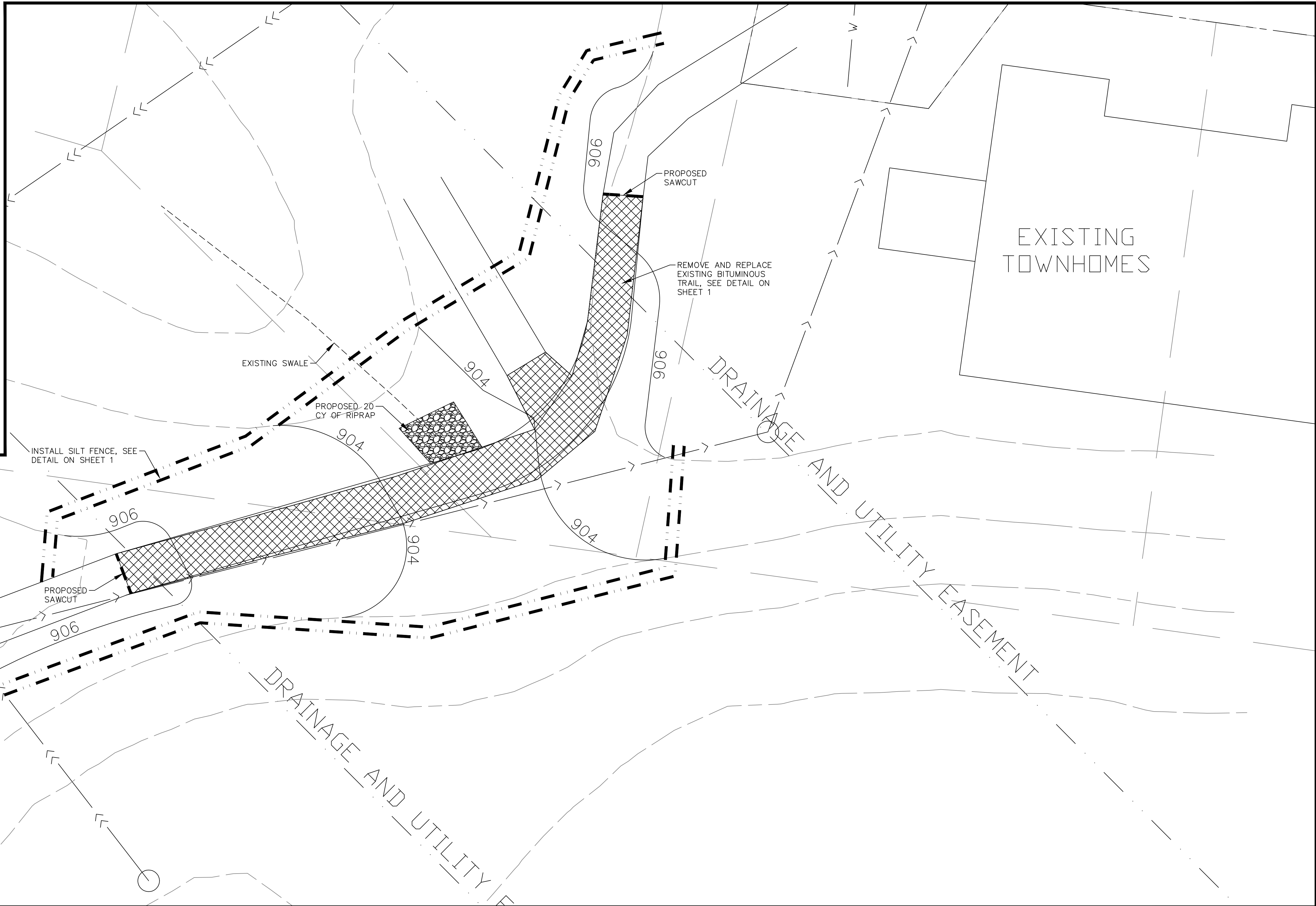
I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the state of Minnesota.

Date: _____ Reg. No. _____

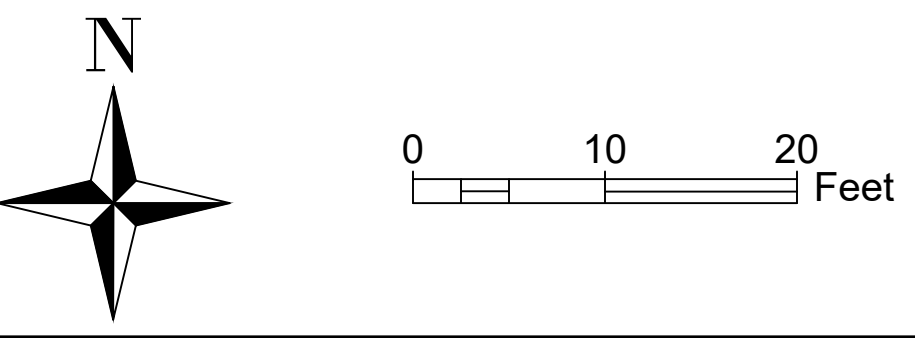
TITLE SHEET AND DETAILS	62ND STREET N POND	FILE NO. 2023 MISC	1 3
	62ND STREET NORTH		

LEGEND

-  REMOVE AND REPLACE BITUMINOUS TRAIL
-  SILT FENCE EROSION CONTROL
-  PROPOSED SAWCUT



EXISTING TOWNHOMES



NO.	DRAWN	CHECKED	DATE	REVISIONS



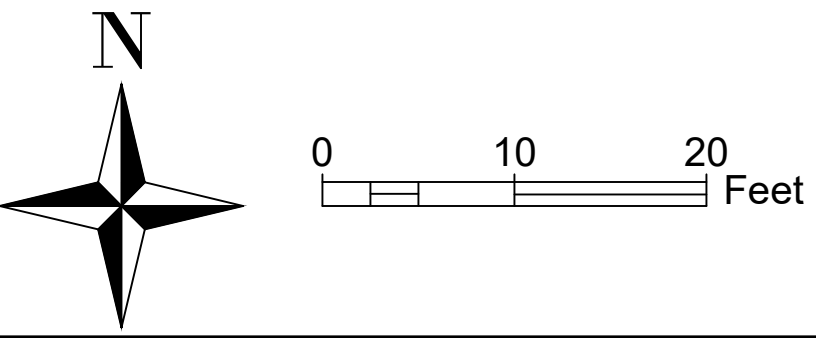
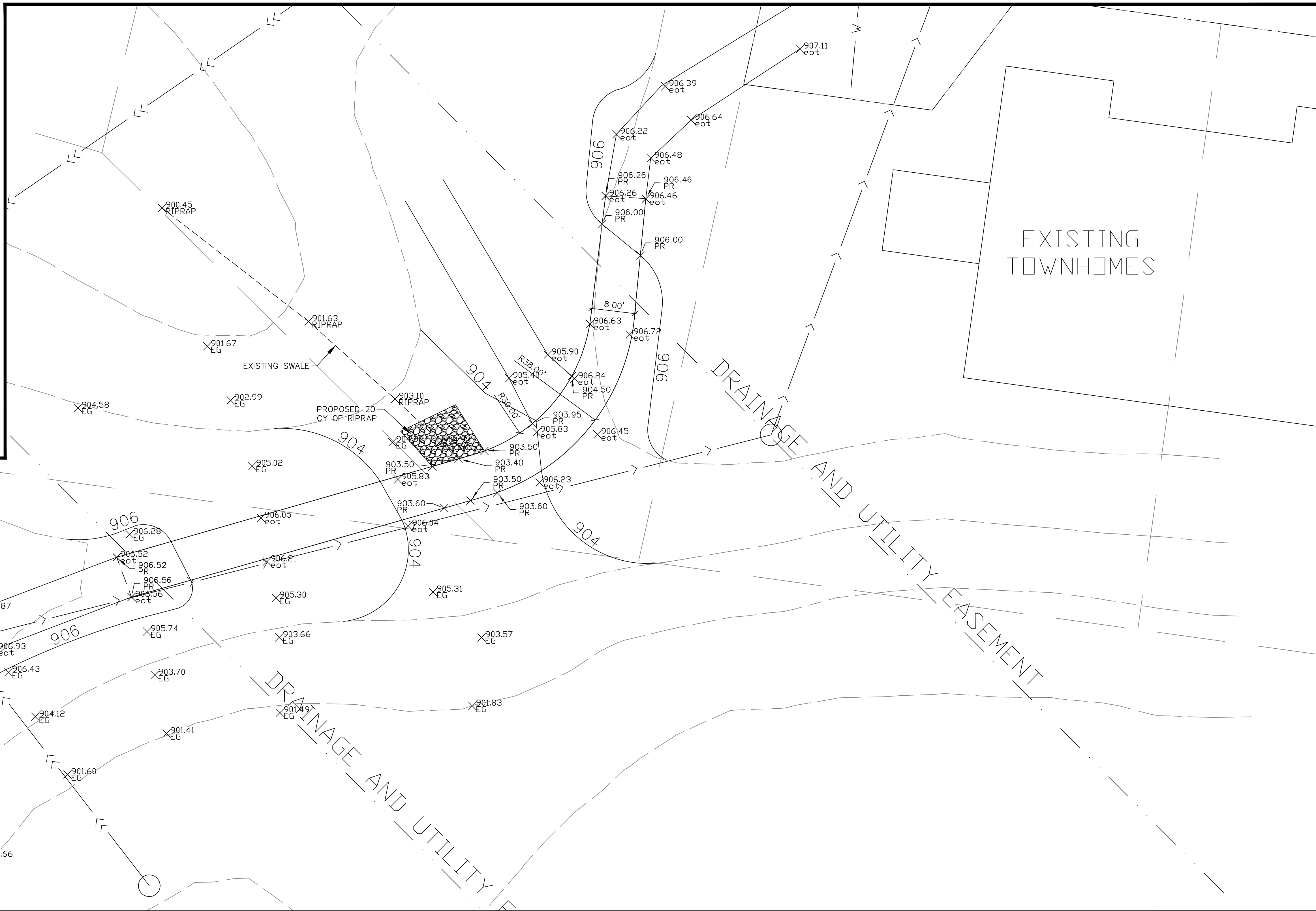
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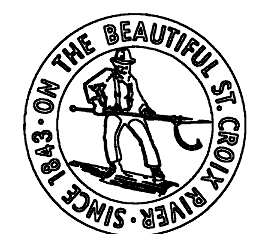
SITE DEMO AND EROSION PLAN	62ND STREET N POND	FILE NO. 2023 MISC	2 3
	62ND STREET NORTH		

LEGEND

- EXISTING CONTOURS
- X_{EG} 906.00 EXISTING SPOT ELEVATIONS
- - - 906 PROPOSED CONTOURS
- X_{PR} 906.00 PROPOSED SPOT ELEVATIONS



NO.	DRAWN	CHECKED	DATE	REVISIONS



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Date: _____ Reg. No. _____

GRADING AND DRAINAGE PLAN - ALT	62ND STREET N POND	FILE NO. 2023 MISC	3
	62ND STREET NORTH		

**City Of Stillwater
62nd Street Trail project**

Item #	Item	Units	Quantity	Unit Price	Amount
1	Mobilization	LUMP	1	\$ 2,500.00	\$ 2,500.00
2	Remove Bituminous Pavement	SY	128	\$ 10.00	\$ 1,280.00
3	Subgrade Excavation	CY	43	\$ 45.00	\$ 1,935.00
4	Common Excavation	CY	75	\$ 40.00	\$ 3,000.00
5	Class 5 Aggregate Base	TON	26	\$ 30.00	\$ 780.00
6	Wear Course Mixture (2331 Type 41B)	TON	15	\$ 150.00	\$ 2,250.00
7	Silt Fence	LF	645	\$ 5.00	\$ 3,225.00
8	Seed Mixture 34-171	SY	450	\$ 5.00	\$ 2,250.00
9	Errosion control blanket	SY	175	\$ 10.00	\$ 1,750.00
10	RipRap Class III with fabric	CY	20	\$ 50.00	\$ 1,000.00

TOTAL **\$ 19,970.00**