



January 20, 2022

Interim Administrator Terry Jeffery and Board of Managers  
Riley-Purgatory-Bluff Creek Watershed District  
18681 Lake Drive East  
Chanhassen, MN 55317

**Re: Rice Marsh Lake Water Quality Improvement Project – Pay Application #2  
Barr Project # 23/27-0053.14-028**

Dear Terry and Board of Managers:

Enclosed is the Application for Payment #2 from Meyer Contracting for work completed through 12/30/21, on the above-referenced project. The Rice Marsh Lake Water Quality Improvement project is located within the Riley Creek watershed, on the north side of Rice Marsh Lake, just south of Dakota Lane in Chanhassen, Minnesota. The project includes removal and replacement of existing storm catch basin manholes; clearing and grubbing; installation of low-flow weir and bypass storm sewer, manholes and pre-fabricated stormwater filtration treatment system, and inline slide gate; construction of filtration rain garden; bituminous trail replacement; erosion and sediment control; soil rehabilitation, site restoration with native and pollinator plantings; and maintaining/establishing buffer for Rice Marsh Lake

The work associated with Application for Payment #2 includes:

- Mobilization of the project
- Control of traffic along Dakota Lane
- Installation of 107-LF of 15" CPEP piping and connection to existing manhole (CBMH-3709)
- Installation of two 48" diameter manhole (STMH-1 and STMH-2)
- Replacement of one 72" diameter catch basin manhole (CBMH-8541)
- Installation of 10-LF of 6" PVC piping into a riser on STFS-1 for monitoring the performance of the stormwater treatment filtration system. This item was not included in the original Contract and has been added as Change Order #1.

Upon your review and approval, please sign three copies and return one copy to me, one copy to the contractor and retain the remaining copy for your files.

Barr Engineering has reviewed the application for payment, confirmed that the work for which payment is requested has been completed, believes that the work has been completed in accordance with the terms of the contract with the Riley Purgatory Bluff Creek Watershed District, and is recommending payment in the amount of **\$56,168.43**. Payments shall be made directly to Meyer Contracting.

Please call me at 952-832-2755 if you have any questions or concerns about the application for payment, or about any other related matters.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Sobiech". The signature is fluid and cursive, with the first name "Scott" and last name "Sobiech" clearly distinguishable.

Scott Sobiech, P.E.  
Barr Engineering Co.

c: Gavin Shaw, Meyer Contracting

Enclosure #1 – Application for Payment 2

Enclosure #2 – Meyer Contracting Progress Payment Request 2

Enclosure #3 – Change Order 1

**Rice Marsh Lake Water Quality Improvement Project  
Payment Application Number 2**

<b>Date:</b>	<b>1/11/2022</b>	<b>For Period:</b>	<b>12/1/2021</b>	<b>to:</b>	<b>12/31/2021</b>
1	Total Completed Through This Period		<u>\$486,671.78</u>		
2	Total Completed Through Previous Period			<u>\$0.00</u>	
3	Total Completed This Period (Line 1 - 2)				<u>\$56,168.43</u>
4	Amount Retained, Previous Period			<u>\$14,870.76</u>	
5	Amount Retained, This Period (See note 1)			<u>\$0.00</u>	
6	Total Amount Retained (Line 4 + 5)			<u>\$14,870.76</u>	
7	Retainage Released This Period				<u>\$0.00</u>
8	Total Retainage Released Through This Period			<u>\$0.00</u>	
9	Retainage Held by District (Line 6 - 8)			<u>\$14,870.76</u>	
10	Liquidated Damages (see note 2)			<u>\$0.00</u>	
11	Amount Due This Period (Line 3 - 5 + 7 - 10)				<u>\$56,168.43</u>

**Notes:**

- 1: At rate of 5% until Completed to Date equals 50% of current Contract Price and a rate of 0% thereafter.  
2: Based on contractual provisions.

**CONTRACTOR'S CERTIFICATION**

The undersigned Contractor certifies, to the best of its knowledge, the following:

- 1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
- 2) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.
- 3) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Property Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Property Owner indemnifying Property Owner against any such liens, security interest, or encumbrances).

Name: Gavin Shaw Date: 1.19.2022  
 Title: Project Manager  
 Contractor: Meyer Contracting  
 Signature: *Gavin Shaw*

**RECOMMENDED BY:**

Name: Scott Sobiech Date: 1/20/2021  
 Title: District Engineer  
 Engineer: Barr Engineering Company  
 Signature: *Scott Sobiech*

**APPROVED BY:**

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Owner: Riley Purgatory Bluff Creek Watershed District  
 Signature: \_\_\_\_\_

**Rice Marsh Lake Water Quality Improvement Project  
Riley Purgatory Bluff Creek Watershed District  
Summary of Work Completed Through December 31, 2021 - for Progress Estimate Number 2**

1.04 Item	Description	Unit	Estimated Quantity	Unit Price	Extension	(1) Total Completed Through This Period		Percent Complete	(2) Total Completed This Period	
						Quantity	Amount		Quantity	Amount
A	Mobilization/Demobilization	L.S.	1	\$ 29,668.00	\$ 29,668.00	0.5	\$14,834.00	50%	0.25	\$7,417.00
B	Traffic Control Measures	L.S.	1	\$ 1,500.00	\$ 1,500.00	0.5	\$750.00	50%	0.25	\$375.00
C	Rock Construction Entrance	Each	1	\$ 2,887.00	\$ 2,887.00	0.5	\$1,443.50	50%	0	\$0.00
D	Silt Fence	L.F.	280	\$ 3.00	\$ 840.00	176	\$528.00	63%	0	\$0.00
E	Sediment Log	L.F.	310	\$ 3.00	\$ 930.00	568	\$1,704.00	183%	0	\$0.00
F	Inlet Protection (P)	Each	3	\$ 369.00	\$ 1,107.00	2.4	\$885.60	80%	0	\$0.00
G	Remove, Salvage, and Replace Park Sign	Each	2	\$ 75.00	\$ 150.00	0.5	\$37.50	25%	0	\$0.00
H	Tree Protection	Each	13	\$ 344.00	\$ 4,472.00	10.4	\$3,577.60	80%	0	\$0.00
I	Light Clearing & Grubbing (Shrubs and Plants Removal)	L.S.	1	\$ 1,500.00	\$ 1,500.00	1	\$1,500.00	100%	0	\$0.00
J	Existing Tree Removal	Each	1	\$ 500.00	\$ 500.00	1	\$500.00	100%	0	\$0.00
K	Strip and Salvage Topsoil (P)	C.Y.	118	\$ 3.70	\$ 436.60	58	\$214.60	49%	0	\$0.00
L	Protect Existing Bituminous Trails	L.S.	1	\$ 2,461.00	\$ 2,461.00	0.25	\$615.25	25%	0	\$0.00
M	Sawcut Bituminous Trail Pavement (P)	L.F.	30	\$ 6.20	\$ 186.00	30	\$186.00	100%	0	\$0.00
N	Remove Bituminous Trail Pavement (P)	S.Y.	158	\$ 6.60	\$ 1,042.80	158	\$1,042.80	100%	0	\$0.00
O	Class 5 Aggregate Base	Tons	44	\$ 51.75	\$ 2,277.00		\$0.00	0%	0	\$0.00
P	Trail Ped Ramp	Each	1	\$ 2,850.00	\$ 2,850.00		\$0.00	0%	0	\$0.00
Q	Replace Bituminous Trail (Type MNDOT 2360 SPWEA340B)	Ton	33	\$ 387.00	\$ 12,771.00		\$0.00	0%	0	\$0.00
R	15" CPEP (DW) (Including all Fittings; 45° and 90° Bends)	L.F.	254	\$ 121.50	\$ 30,861.00	254	\$30,861.00	100%	107	\$13,000.50
S	48" Diameter RC Precast Manhole Includes Manhole Casting, Complete	Each	3	\$ 8,079.00	\$ 24,237.00	3	\$24,237.00	100%	2	\$16,158.00
T	Remove Existing 72" Diameter Manhole and Disposal	Each	1	\$ 1,124.00	\$ 1,124.00	1	\$1,124.00	100%	1	\$1,124.00
U	72" Diameter RC Precast Manhole Includes Grate Casting, Complete	Each	1	\$ 14,877.00	\$ 14,877.00	1	\$14,877.00	100%	1	\$14,877.00
V	Connect to Existing Manhole	Each	2	\$ 1,771.00	\$ 3,542.00	2	\$3,542.00	100%	1	\$1,771.00
W	Furnish and Install Kraken KF-10-16-72 Membrane Filtration System with Pretreatment, Precast Concrete Structures including Access Covers or an Approved Equivalent System, Complete	Each	2	\$ 191,383.00	\$ 382,766.00	2	\$382,766.00	100%	0	\$0.00
X	16" Stainless Steel Round Mounted Surface Slide Gate with Extension Rod, Adjustable Valve Box and Cover	Each	1	\$ 10,877.00	\$ 10,877.00		\$0.00	0%	0	\$0.00
Y	Excavate, Grade, Shape, Add Rain Garden Planting Soil, and Mulch	L.S.	1	\$ 2,440.00	\$ 2,440.00		\$0.00	0%	0	\$0.00
Z	Rain Garden Under Drain System	L.S.	1	\$ 4,706.00	\$ 4,706.00		\$0.00	0%	0	\$0.00
AA	Curb Cut Splash Block Assembly	L.S.	1	\$ 5,212.00	\$ 5,212.00		\$0.00	0%	0	\$0.00
BB	Grade Rain Garden Overflow Area (P)	S.Y.	706	\$ 3.60	\$ 2,541.60		\$0.00	0%	0	\$0.00
CC	Soil Amendment "A" Rain Garden Overflow Area (P)	S.F.	6,355	\$ 0.30	\$ 1,906.50		\$0.00	0%	0	\$0.00
DD	Compost	C.Y.	118	\$ 36.00	\$ 4,248.00		\$0.00	0%	0	\$0.00
EE	Soil Amendment "B" Run-Off Reduction Area (P)	S.F.	7,650	\$ 0.25	\$ 1,912.50		\$0.00	0%	0	\$0.00
FF	Landscape Edger	L.F.	670	\$ 11.50	\$ 7,705.00		\$0.00	0%	0	\$0.00
GG	Erosion Control Blanket (Category 3N2S)	S.Y.	1,556	\$ 2.80	\$ 4,356.80		\$0.00	0%	0	\$0.00
HH	Rain Garden Plantings (Gallon)	Each	250	\$ 10.75	\$ 2,687.50		\$0.00	0%	0	\$0.00
II	Rain Garden Plantings (4" Cont.)	Each	10	\$ 21.75	\$ 217.50		\$0.00	0%	0	\$0.00
JJ	Bee Lawn Seed Mix (P)	S.F.	6,355	\$ 0.20	\$ 1,271.00		\$0.00	0%	0	\$0.00
KK	Native Planting Seed Mix (P)	S.F.	7,650	\$ 0.20	\$ 1,530.00		\$0.00	0%	0	\$0.00
LL	Native Plantings (Plugs)	Each	855	\$ 3.50	\$ 2,992.50		\$0.00	0%	0	\$0.00
MM	Year 1 Plant and Seed Establishment and Maintenance	L.S.	1	\$ 4,480.00	\$ 4,480.00		\$0.00	0%	0	\$0.00
MM	Year 2 Plant and Seed Establishment and Maintenance	L.S.	1	\$ 5,000.00	\$ 5,000.00		\$0.00	0%	0	\$0.00
MM	Year 3 Plant and Seed Establishment and Maintenance	L.S.	1	\$ 6,315.00	\$ 6,315.00		\$0.00	0%	0	\$0.00
NN	PVC for Monitoring	L.S.	1	\$ 1,445.93	\$ 1,445.93	1	\$1,445.93	100%	1	\$1,445.93
				<b>Total Base Bid:</b>	<b>\$ 594,830.23</b>					

(1) Total Completed Through This Period		(2) Total Completed This Period	
	\$486,671.78		\$56,168.43

**PROGRESS PAYMENT REQUEST**



• 11000 93rd Avenue North • Maple Grove, MN 55369 • Telephone (763) 391-5944 • Facsimile (763) 391-5960 •

**Rice Marsh Lake Water Quality Treatment - Meyer Contracting Job Number 211327 - Riley Purgatory Bluff Creek Watershed - Chanhassen, MN**

**Project Owner**

Terry Jeffery	
Riley Purgatory Bluff Creek Watershed	
18681 Lake Dr E	
Chanhassen, MN 55317	
Telephone   952.807.6885	
E-Mail   <a href="mailto:tjeffery@rpbowd.org">tjeffery@rpbowd.org</a>	

**PROGRESS PAYMENT NUMBER** 2  
**PERIOD THROUGH** 12/31/21  
**MEYER CONTRACTING JOB NUMBER** 211327

SCHEDULED CONTRACT BID ITEMS AND VALUES							QUANTITIES COMPLETED TO DATE				PAYMENTS		
LINE NUMBER	ITEM NUMBER	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT	QUANTITY OWED	QUANTITY PAID	WORK-IN-PLACE	MATERIAL-ON-HAND	TOTAL COMPLETED & STORED	PREVIOUS	THIS MONTH
	A	MOBILIZATION/ DEMOBILIZATION	1	LS	\$ 29,668.00	\$ 29,668.00	0.50	0.25	\$ 14,834.00		\$ 14,834.00	\$ 7,417.00	\$ 7,417.00
	B	TRAFFIC CONTROL MEASURES	1	LS	\$ 1,500.00	\$ 1,500.00	0.50	0.25	\$ 750.00		\$ 750.00	\$ 375.00	\$ 375.00
	C	ROCK CONSTRUCTION ENTRANCE	1	EA	\$ 2,887.00	\$ 2,887.00	0.50	0.50	\$ 1,443.50		\$ 1,443.50	\$ 1,443.50	\$ -
	D	SILT FENCE	280	LF	\$ 3.00	\$ 840.00	176.00	176.00	\$ 528.00		\$ 528.00	\$ 528.00	\$ -
	E	SEDIMENT LOG	310	LF	\$ 3.00	\$ 930.00	568.00	568.00	\$ 1,704.00		\$ 1,704.00	\$ 1,704.00	\$ -
	F	INLET PROTECTION (P)	3	EA	\$ 369.00	\$ 1,107.00	2.40	2.40	\$ 885.60		\$ 885.60	\$ 885.60	\$ -
	G	REMOVE, SALVAGE, AND REPLACE PARK SIGN	2	EA	\$ 75.00	\$ 150.00	0.50	0.50	\$ 37.50		\$ 37.50	\$ 37.50	\$ -
	H	TREE PROTECTION	13	EA	\$ 344.00	\$ 4,472.00	10.40	10.40	\$ 3,577.60		\$ 3,577.60	\$ 3,577.60	\$ -
	I	LIGHT CLEARING & GRUBBING (SHURBS AND PLANTS REMOVAL)	1	LS	\$ 1,500.00	\$ 1,500.00	1.00	1.00	\$ 1,500.00		\$ 1,500.00	\$ 1,500.00	\$ -
	J	EXISTING TREE REMOVAL	1	EA	\$ 500.00	\$ 500.00	1.00	1.00	\$ 500.00		\$ 500.00	\$ 500.00	\$ -
	K	STRIP AND SALVAGE TOPSOIL (P)	118	CY	\$ 3.70	\$ 436.60	58.00	58.00	\$ 214.60		\$ 214.60	\$ 214.60	\$ -
	L	PROTECT EXISTING BITUMINOUS TRAIL	1	LS	\$ 2,461.00	\$ 2,461.00	0.25	0.25	\$ 615.25		\$ 615.25	\$ 615.25	\$ -
	M	SAWCUT BITUMINOUS TRAIL PAVEMENT (P)	30	LF	\$ 6.20	\$ 186.00	30.00	30.00	\$ 186.00		\$ 186.00	\$ 186.00	\$ -
	N	REMOVE BITUMINOUS TRAIL PAVEMENT (P)	158	SY	\$ 6.60	\$ 1,042.80	158.00	158.00	\$ 1,042.80		\$ 1,042.80	\$ 1,042.80	\$ -
	O	CLASS 5 AGGREGATE BASE	44	TN	\$ 51.75	\$ 2,277.00			\$ -		\$ -	\$ -	\$ -
	P	TRAIL PED RAMP	1	EA	\$ 2,850.00	\$ 2,850.00			\$ -		\$ -	\$ -	\$ -
	Q	REPLACE BITUMINOUS TRAIL (TYPE MNDOT 2360 SPWEA340B)	33	TN	\$ 387.00	\$ 12,771.00			\$ -		\$ -	\$ -	\$ -
	R	15" CPEP (DW) (INCL ALL FITTINGS, 45° AND 90° BENDS)	254	LF	\$ 121.50	\$ 30,861.00	254.00	147.00	\$ 30,861.00		\$ 30,861.00	\$ 17,860.50	\$ 13,000.50
	S	48" DIAMETER RC PRECAST MANHOLE INCL CASTING	3	EA	\$ 8,079.00	\$ 24,237.00	3.00	1.00	\$ 24,237.00		\$ 24,237.00	\$ 8,079.00	\$ 16,158.00
	T	REMOVE EXISTING 72" DIAMETER MANHOLE AND DISPOSAL	1	EA	\$ 1,124.00	\$ 1,124.00	1.00		\$ 1,124.00		\$ 1,124.00	\$ -	\$ 1,124.00
	U	72" DIAMETER RC PRECAST MANHOLE INCL GRATE CASTING	1	EA	\$ 14,877.00	\$ 14,877.00	1.00		\$ 14,877.00		\$ 14,877.00	\$ -	\$ 14,877.00
	V	CONNECT TO EXISTING MANHOLE	2	EA	\$ 1,771.00	\$ 3,542.00	2.00	1.00	\$ 3,542.00		\$ 3,542.00	\$ 1,771.00	\$ 1,771.00
	W	F&I KRAKEN KF-10-16-72 MEMBRANE FILTRATION, COMPLETE	2	EA	\$ 191,383.00	\$ 382,766.00	2.00	2.00	\$ 382,766.00		\$ 382,766.00	\$ 382,766.00	\$ -
	X	16" STAINLESS STEEL RMS SLIDE GATE	1	EA	\$ 10,877.00	\$ 10,877.00			\$ -		\$ -	\$ -	\$ -
	Y	EXCAVATE, GRADE, SHAPE, PLANTING SOIL, AND MULCH	1	LS	\$ 2,440.00	\$ 2,440.00			\$ -		\$ -	\$ -	\$ -
	Z	RAIN GARDEN UNDERDRAIN SYSTEM	1	LS	\$ 4,706.00	\$ 4,706.00			\$ -		\$ -	\$ -	\$ -
	AA	CURB CUT SPLASH BLOCK ASSEMBLY	1	LS	\$ 5,212.00	\$ 5,212.00			\$ -		\$ -	\$ -	\$ -
	BB	GRADE RAIN GARDEN OVERFLOW AREA (P)	706	SY	\$ 3.60	\$ 2,541.60			\$ -		\$ -	\$ -	\$ -
	CC	SOIL AMENDMENT "A" RAIN GARDEN OVERFLOW AREA (P)	6355	SF	\$ 0.30	\$ 1,906.50			\$ -		\$ -	\$ -	\$ -
	DD	COMPOST	118	CY	\$ 36.00	\$ 4,248.00			\$ -		\$ -	\$ -	\$ -
	EE	SOIL AMENDMENT "B" RUN-OFF REDUCTION AREA (P)	7650	SF	\$ 0.25	\$ 1,912.50			\$ -		\$ -	\$ -	\$ -
	FF	LANDSCAPE EDGER	670	LF	\$ 11.50	\$ 7,705.00			\$ -		\$ -	\$ -	\$ -
	GG	EROSION CONTROL BLANKET (CAT 3N2S)	1556	SY	\$ 2.80	\$ 4,356.80			\$ -		\$ -	\$ -	\$ -
	HH	RAIN GARDEN PLANTINGS (GALLON)	250	EA	\$ 10.75	\$ 2,687.50			\$ -		\$ -	\$ -	\$ -
	II	RAIN GARDEN PLANTINGS (4" CONT.)	10	EA	\$ 21.75	\$ 217.50			\$ -		\$ -	\$ -	\$ -
	JJ	BEE LAWN SEED MIX (P)	6355	SF	\$ 0.20	\$ 1,271.00			\$ -		\$ -	\$ -	\$ -
	KK	NATIVE PLANTING SEED MIX (P)	7650	SF	\$ 0.20	\$ 1,530.00			\$ -		\$ -	\$ -	\$ -
	LL	NATIVE PLANTINGS (PLUGS)	855	EA	\$ 3.50	\$ 2,992.50			\$ -		\$ -	\$ -	\$ -
	MM	YEAR 1 PLANT AND SEED ESTABLISHMENT AND MAINTENANCE	1	LS	\$ 4,480.00	\$ 4,480.00			\$ -		\$ -	\$ -	\$ -
	MM	YEAR 2 PLANT AND SEED ESTABLISHMENT AND MAINTENANCE	1	LS	\$ 5,000.00	\$ 5,000.00			\$ -		\$ -	\$ -	\$ -
	MM	YEAR 3 PLANT AND SEED ESTABLISHMENT AND MAINTENANCE	1	LS	\$ 6,315.00	\$ 6,315.00			\$ -		\$ -	\$ -	\$ -
					\$ -				\$ -		\$ -	\$ -	\$ -
					\$ -				\$ -		\$ -	\$ -	\$ -
		CHANGE ORDERS			\$ -				\$ -		\$ -	\$ -	\$ -
900004		PVC FOR MONITOR	1	LS	\$ 1,445.93	\$ 1,445.93	1.00		\$ 1,445.93		\$ 1,445.93	\$ -	\$ 1,445.93

**TOTALS** \$ 594,830.23

\$ 486,671.78 \$ - \$ 486,671.78 \$ 430,503.35 \$ 56,168.43

TOTAL COMPLETED & STORED TO DATE \$ 486,671.78  
 RETAINAGE (5% Until 50% Completion) \$ 14,834.61  
 TOTAL EARNED LESS RETAINAGE \$ 471,837.17  
 LESS PREVIOUS PAYMENTS \$ 415,668.74  
**CURRENT PAYMENT DUE \$ 56,168.43**

Date \_\_\_\_\_ Approved by: \_\_\_\_\_

# Work Change Directive Summary of Costs

Meyer Project Number: 211327  
 Owner Contract Number:  
 Owner Contract Name: Rice Marsh Lake Water Quality Improvement  
 Change Order Request Number: 1  
 Change Order Request Description: PVC for Monitoring Equipment

## LABOR

**TOTAL: \$1,020.00**

## EMPLOYEE TRAVEL CHARGE

Unit	Quantity	Unit Cost	TOTAL:
(Use \$120.00 for MN & \$180.00 for Outstate) 8-HR Day/Person	1.50	\$75.00	\$112.50

## EQUIPMENT

**TOTAL: \$117.00**

## MATERIALS & RENTAL EQUIPMENT

Description	Unit	Quantity	Unit Cost	Tax (%)	Total Cost
6" PVC 10'	EA	1.00	\$66.92	7.380	\$71.86
6" PVC 45° Bend	EA	2.00	\$32.79	7.380	\$70.42
6" PVC Adapter	EA	1.00	\$13.09	7.380	\$14.06
6" PVC Cleanout Plug	EA	1.00	\$9.79	7.380	\$10.51
					\$0.00
					\$0.00
					\$0.00
Management & Overhead (10%)					\$16.68
<b>TOTAL:</b>					<b>\$183.53</b>

## SUBCONTRACTORS

Description	Unit	Quantity	Unit Cost	Total Cost
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
Management & Overhead (10%)				\$0.00
<b>TOTAL:</b>				<b>\$0.00</b>

## MOBILIZATION

Description	Unit	Quantity	Unit Cost	Total Cost
				\$0.00
Management & Overhead (10%)				\$0.00
<b>TOTAL:</b>				<b>\$0.00</b>

**TOTAL: \$1,433.03**  
 BOND @ \$9.00/\$1,000: \$12.90  
**GRAND TOTAL: \$1,445.93**

[illegible]



## Memorandum

**To:** Terry Jeffery – Interim RPBCWD Administrator  
**From:** Heather Lau, PE and Scott Sobiech, PE – Barr Engineering  
**Subject:** Rice Marsh Lake Water Quality Improvement Project – Change Order #1  
**Date:** January 20, 2022  
**Project:** 23/27-0053.14 028C  
**c:** Gavin Shaw – Meyer Contracting

Enclosed is Change Order 1 from Barr Engineering for work related to the above-referenced project, installing the water quality best management practice near Rice Marsh Lake in Chanhassen, Minnesota. Upon your review and approval, please sign three copies and return one copy to me, one copy to the contractor (Meyer Contracting) and retain the remaining copy for your files.

This Change Order is for the installation of a PVC pipe into the side of one of the Kraken Filtration Unit risers for the purposes of performance monitoring by RPBCWD staff. The Change Order includes the following items:

1. Core drilling into the Kraken Filtration Unit (STFS-1) riser
2. Installation of 10-LF of 6-inch PVC pipe and two 45-degree bends with cap

Barr Engineering is recommending approval of Change Order 1.

Please call me at 952-842-3613 if you have any questions or concerns about the change order, or about any other related matters.

Sincerely,

A handwritten signature in black ink, appearing to read "Heather Lau". The signature is fluid and cursive, with the first and last names clearly distinguishable.

Heather Lau, PE

Barr Engineering Company

*Enclosures:*

Rice Marsh Lake Water Quality Improvement – Change Order 1



# Change Order

No. 1

Date of Issuance: 1/20/2022

Effective Date: 1/20/2022

Project: Rice Marsh Lake Water Quality Improvement Project	Owner: RPBCWD	Owner's Contract No.:
Contract: Rice Marsh Lake Water Quality Improvement Project		Date of Contract: August 23, 2021
Contractor: Meyer Contracting		Engineer's Project No.:23/27-0053.14-028C

**The Contract Documents are modified as follows upon execution of this Change Order:**

## **Item #CO1-1**

**Description:** Furnish and installing 10-LF of 6-inch PVC into the Kraken (STFS-1) riser for performance monitoring

**Reason for Change:** To provide a dedicated access port into the Kraken unit to allow RPBCWD the enhanced ability to monitor the performance of the underground stormwater treatment filtration system. The CONTRACTOR shall provide all equipment, materials, and labor for work related to the monitoring pipe installation as shown on the drawings in Attachment A.

**Contract Document Change:** The revised design results in the addition of item NN –PVC Piping for Monitoring based on the revised drawings as shown in Attachment A.

**Change in Contract Price:** The Contract Price will be increased by a lump sum price of \$1,445.93

**Change in Contract Time:** Change Order Item #CO1-1 does not result in a change in Contract Time.

## **Attachments**

Attachment 1 – Rice Marsh Lake Water Quality Improvement Revised Drawings dated November 18, 2021

**CHANGE IN CONTRACT PRICE:**

Original Contract Price:

\$ 593,384.30[Increase] [Decrease] from previously approved  
Change Orders No. 0 to No. 0:\$ N/A

Contract Price prior to this Change Order:

\$ 593,384.30

Increase of this Change Order:

\$ 1,445.93

Contract Price incorporating this Change Order:

\$ 594,830.23**CHANGE IN CONTRACT TIMES:**Original Contract Times: ☐ Working days ☒ Calendar daysSubstantial completion (days or date): 6/1/2022Ready for final payment (days or date): 6/1/2025[Increase] [Decrease] from previously approved Change Orders  
No. 0 to No. 0:Substantial completion (days): N/AReady for final payment (days): N/A

Contract Times prior to this Change Order:

Substantial completion (days or date): 6/1/2022Ready for final payment (days or date): 6/1/2025

Increase of this Change Order:

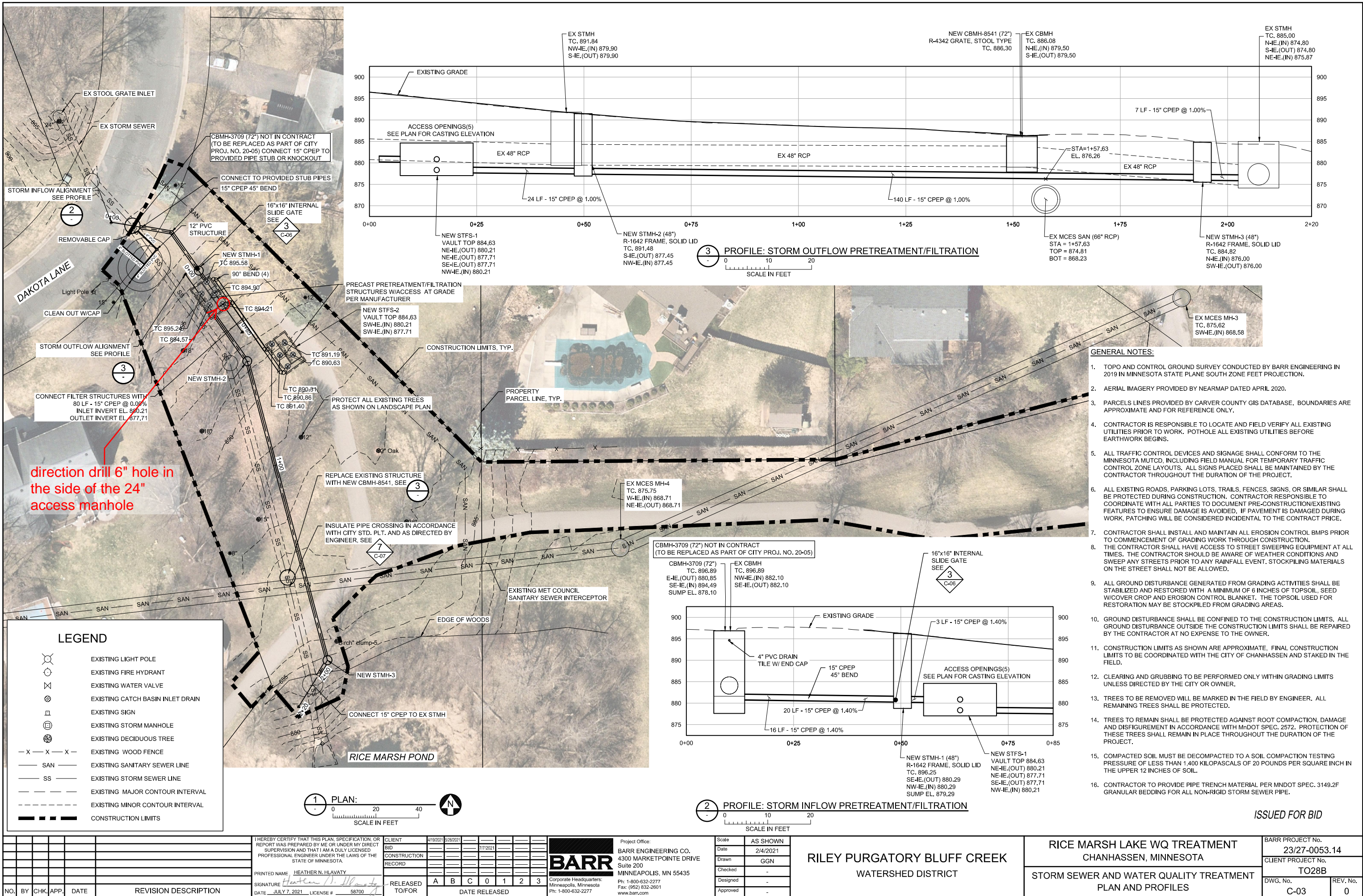
Substantial completion (days or date): N/AReady for final payment (days or date): N/A

Contract Times with all approved Change Orders:

Substantial completion (days or date): 6/1/2022Ready for final payment (days or date): 6/1/2025**RECOMMENDED:**By: Harlan Shaw  
Engineer (Authorized Signature)Date: 1/17/2022**ACCEPTED:**By: [Signature]  
Owner (Authorized Signature)Date: 1/18/2022**ACCEPTED:**By: Gavin Shaw  
Contractor (Authorized Signature)Date: 1.17.2022



CADD USER: Greg Nelson FILE: MDESIGN\23270053.14\23270053.14\_T028\_C-01.DWG PLOT SCALE: 1:2 PLOT DATE: 7/8/2021 9:42 AM



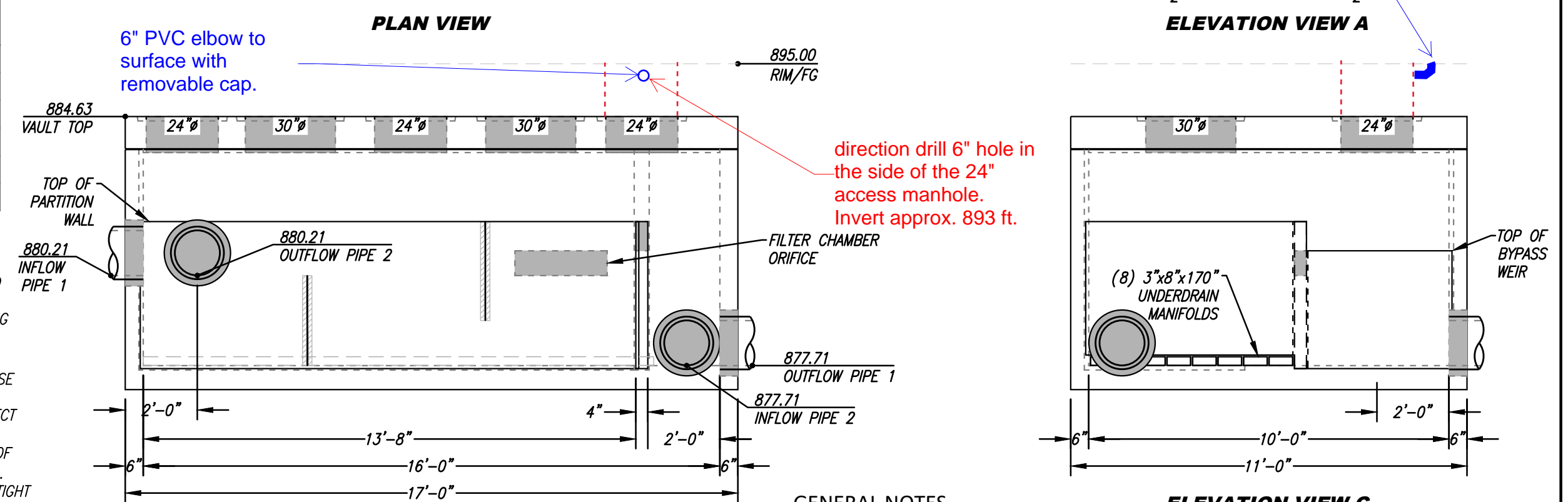
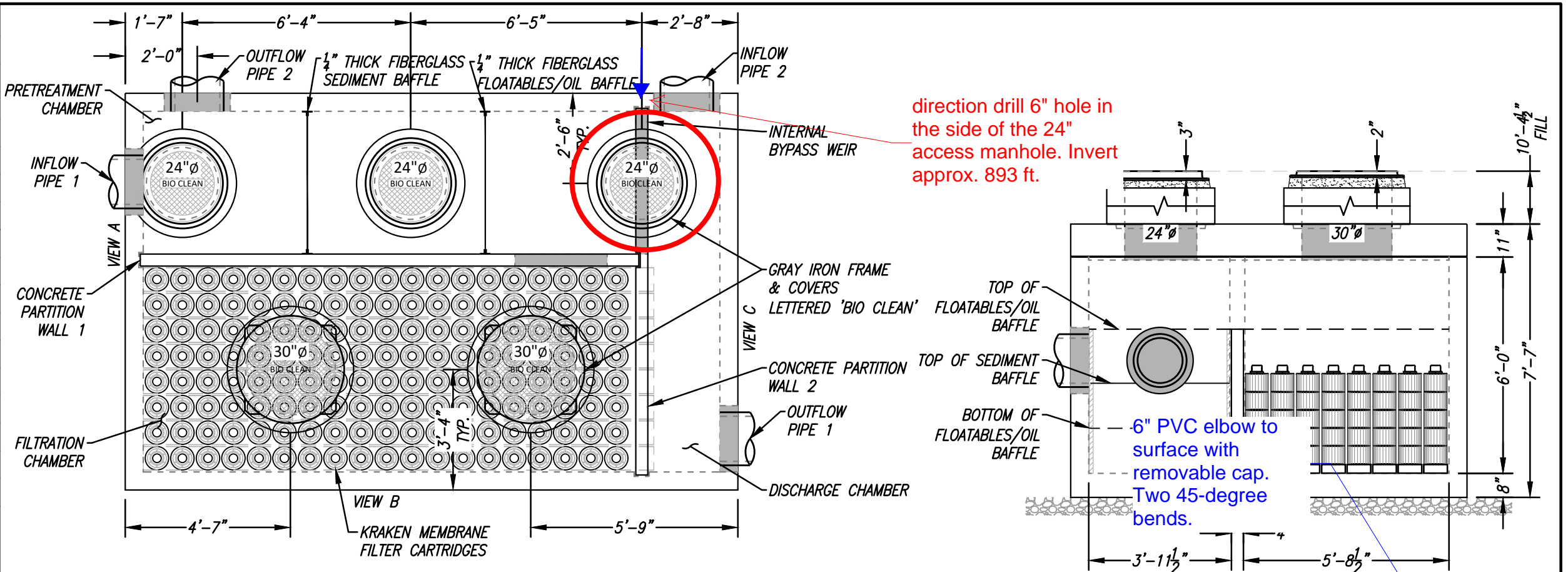
				I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.				CLIENT BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435				Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435				Scale AS SHOWN				RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT				RICE MARSH LAKE WQ TREATMENT CHANHASSEN, MINNESOTA				BARR PROJECT No. 23/27-0053.14			
				PRINTED NAME: HEATHER N. HLAVATY				CONSTRUCTION RECORD				Date 2/4/2021				STORM SEWER AND WATER QUALITY TREATMENT PLAN AND PROFILES				CLIENT PROJECT No. TO28B											
				SIGNATURE: <i>Heather N. Hlavaty</i>				RELEASED TO/FOR				Checked -								DWG. No. C-03								REV. No. 0			
				DATE: JULY 7, 2021 LICENSE # 58700				DATE RELEASED				Designed -																			
NO.				BY				CHK.				APP.				DATE				REVISION DESCRIPTION											



SITE SPECIFIC DATA*			
PROJECT NUMBER	12540		
PROJECT NAME	RICE MARSH LAKE		
PROJECT LOCATION	CHANHASSEN, MN		
STRUCTURE ID	STFS-#1		
WATER QUALITY FLOW RATE (CFS)		2.88	
PEAK FLOW RATE (CFS)		N/K	
PEAK STORM DURATION (YEARS)		N/K	
PIPE DATA	I.E.	MATERIAL	DIAMETER
INFLOW PIPE 1	880.21	HDPE	15"
OUTFLOW PIPE 2	880.21	HDPE	15"
INFLOW PIPE 2	877.71	HDPE	15"
OUTFLOW PIPE 1	877.71	HDPE	15"
RIM ELEVATION	895.00		See 1.
SURFACE LOADING REQUIREMENT			HS20
FRAME AND COVER		(3) Ø24"; (2) Ø30"	
CORROSIVE SOIL CONDITIONS			NA
KNOWN GROUNDWATER ELEVATION			NA
NOTES: PRELIMINARY, NOT FOR CONSTRUCTION.			
*PER ENGINEER OF RECORD			

KRAKEN FILTER PERFORMANCE DATA	
CARTRIDGE HEIGHT (IN)	30.75
CARTRIDGE FLOW RATE (GPM)	7.40
NUMBER OF CARTRIDGES	152
TOTAL TREATMENT FLOW RATE (CFS)	2.51
SEDIMENT STORAGE CAPACITY (CF)	52.23

- INSTALLATION NOTES**
- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE KRAKEN FILTER UNIT AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
  - MANUFACTURER RECOMMENDS A 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
  - ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH).
  - ALL GAPS AROUND PIPES SHALL BE SEALED WATERTIGHT WITH A NON-SHRINK GROUT PER MANUFACTURER'S STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
  - CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL PIPES, RISERS, AND MANHOLES. ALL COVERS SHALL BE SHIPPED LOOSE. CONTRACTOR TO GROUT ALL MANHOLES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
- 1:40 SCALE



**GENERAL NOTES**

- BIO CLEAN TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS, AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS, AND ACCESSORIES PLEASE CONTACT BIO CLEAN.

**STFS-1**

THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 10,369,496; 9,604,160; 10,145,765; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

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**Bio Clean**  
A Forterra Company

**KRAKEN KF-10-16-72**  
MEMBRANE FILTRATION SYSTEM WITH PRETREATMENT  
STANDARD DETAIL