



Nine Mile Creek Discovery Point
12800 Gerard Drive

Eden Prairie, MN 55346

(952) 835-2078

www.ninemilecreek.org

MEMO

TO: Nine Mile Creek Watershed District Board of Managers
FROM: Randy Anhorn
DATE: April 15, 2020
RE: Permits #2020-32, #2020-33, #2020-35, #2020-36 Non-Profit Stormwater BMPs Projects: Various Locations in Bloomington and Edina

Background

At the Manger's September 21, 2019 Board Meeting, the Managers adopted Resolution 19-03 delegating all permit approval authority to the administrator except for a few exceptions. One of those exceptions is "*if the land-altering activity, in whole or in part, by or on behalf of NMCWD.*"

The four projects, as part of NMCWD's Non-Profit Stormwater BMP project will disturb more than 50 cubic yards of earth but less than 5000 square feet of surface area. The District's Stormwater Rule (4) applies since the project will meet Rule 4.2.1a. However since there are no impermeable areas associated with the project that will be created to generate runoff, the requirements of Rules 4.3.1a) volume retention, b) limit peak flow rates for the 2, 10, and 100 year storm events to existing conditions and c) water quality management and 4.3.3 Chloride management are not imposed. The District's Erosion and Sediment Control Rule (5.2.1a) also applies to the project because of the volume of disturbance proposed.

Although the projects would normally be handled administratively, due to the fact that they are a NMCWD projects, they need to come before the Board for approval.

The location of the BMP projects to be permitted are:

- Permit #2020-32: Good Samaritan United Methodist Church, 5730 Grove Street, Edina
- Permit #2020-33: Oak Grove Presbyterian Church, 2200 West Old Shakopee Road, Bloomington
- Permit #2020-35: St. Luke's Lutheran Church, 1701 West Old Shakopee Road, Bloomington
- Permit #2020-36: Chapel Hills United Church, 6512 Vernon Avenue South, Edina

The project narratives, designs and erosion control plans are attached.

Request

Staff has reviewed the permit applications and supporting documentations and recommends approval of permits #2020-32, #2020-33, #2020-35, #2020-36 Non-Profit Stormwater BMPs Projects at various locations (as referenced above) in Bloomington and Edina.

Memorandum

To: Erica Sniegowski, NMCWD Program and Project Manager
From: Matt Kumka, PLA
Subject: Permitting Narrative
Date: 4/6/2020
Project: 2020 Non-Profit Sites BMP Retrofits – Good Samaritan United Methodist Church, Edina
c: Bob Obermeyer, PE – District Engineer
Janna Kieffer, PE

Introduction

The Nine Mile Creek Watershed District (NMCWD) 2020 Non-Profit Sites BMP Retrofits project consists of six rain gardens and vegetated swales to be constructed on five church properties within the district. This application refers to a rain garden that will be constructed at Good Samaritan Church in Edina. Interpretation of NMCWD rules that apply for the site have been noted in (parenthesis).

Project Overview & Permit Requirements

Good Samaritan United Methodist Church, 5730 Grove Street, Edina

A portion of an existing parking lot will be removed in order to install a raingarden, which will intercept water from the parking lot and treat it before it enters Hawkes Lake. This project will require more than 50 cubic yards of excavation (Rule 5.2.1) but reduces overall impervious surface of the property by approximately 700 SF.

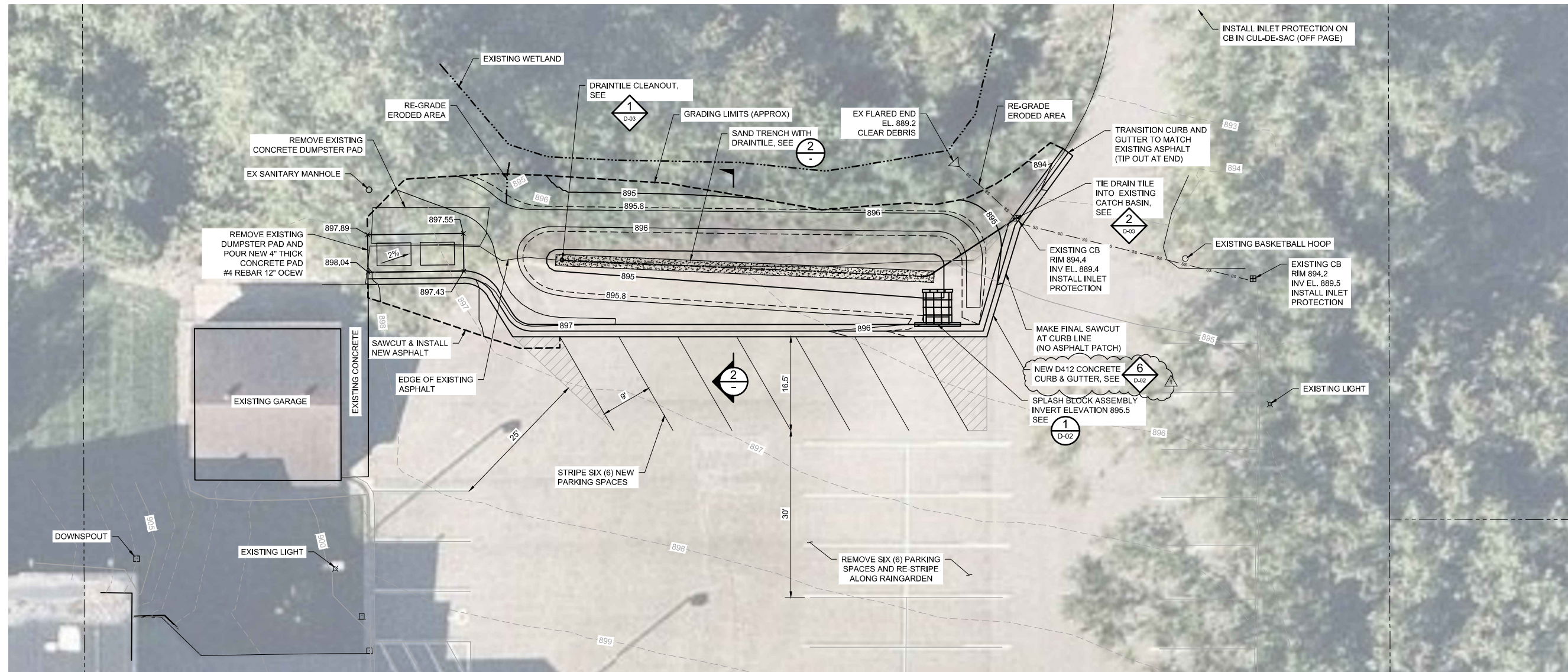
- Permit required: Erosion and Sediment Control
- Wetland Buffer Rule 3.4 does not apply. Hawkes Lake, as defined as a Public Waters 56P, Rule 3.4 applies to public waters wetland not public waters such as Hawkes Lake is categorized.

Sediment and Erosion Control Summary

For this property, catch basin inserts and sediment control logs will be placed within the site and along the perimeter of the disturbed construction area prior to any soil disturbance in order to prevent sediment displacement from the site and into adjacent streets, parking lots, or storm sewer structures. Soil stockpiles will only be allowed within the construction limits as shown on the Drawings and will be required to be removed from site within 48 hours to prevent windblown sediment from transporting off-site.

Permanent erosion control will consist of plantings within the finished rain garden, placement of 3" of shredded hardwood mulch within planted areas, and the placement and establishment of turf sod on all areas of disturbance outside the rain garden.

An Erosion and Sediment Control Plan has been produced, please see attached.

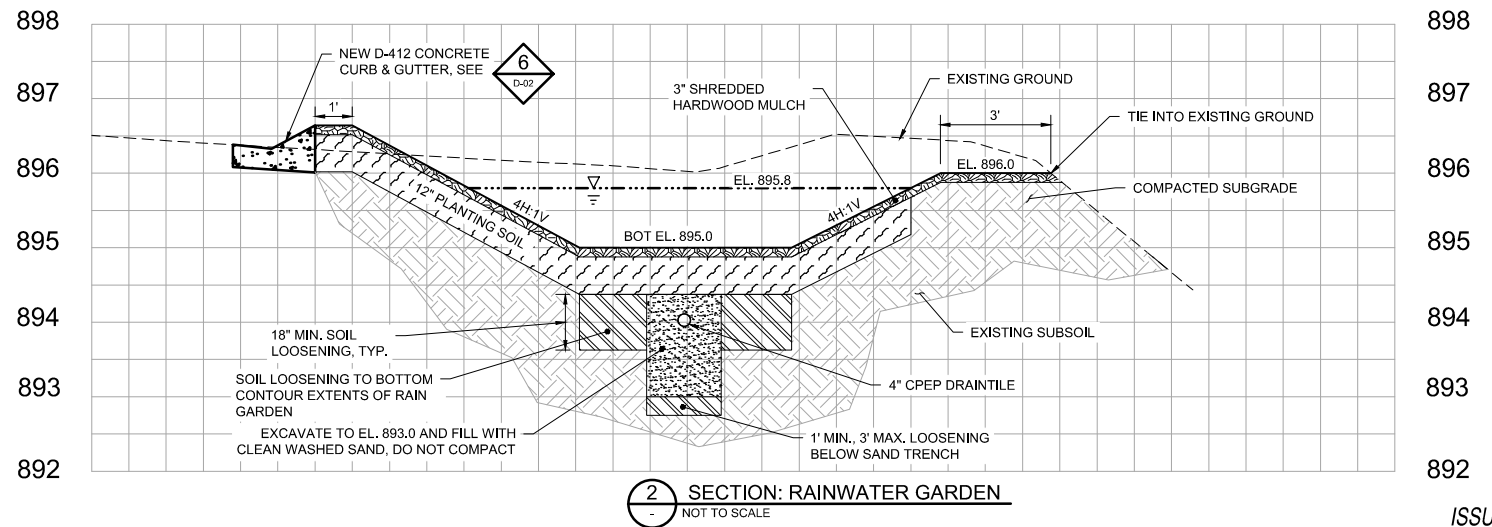


1 PLAN: GRADING, EROSION CONTROLS, AND REMOVALS



NOTES:

1. POTHOLE ALL EXISTING UTILITIES LOCATED WITHIN THE PROJECT LIMITS BEFORE EARTHWORK BEGINS.
2. SAWCUT FULL DEPTH BITUMINOUS PAVEMENT IN AREA SHOWN ON PLAN. PROTECT EXISTING BITUMINOUS PAVEMENT, IF DAMAGED DURING WORK, PATCH BITUMINOUS PAVEMENT. ASPHALT PATCHING IS INCIDENTAL TO THE BID ITEM PRICE. MATCH THICKNESS OF EXISTING ASPHALT.
3. MAKE ARRANGEMENTS FOR THE OWNER'S REPRESENTATIVE TO BE ONSITE WHILE SAND TRENCHES ARE EXCAVATED AND SUBGRADE SOILS ARE LOOSENING.
4. USE REMOVED EXISTING SOILS TO CREATE BERM. SUPPLEMENT AS NEEDED.
5. NO RUBBER TIERED EQUIPMENT IN BASIN AFTER LOOSENING. LOW GROUND PRESSURE TRACKED EQUIPMENT ONLY.
6. ANY COMPACTION OF PREVIOUSLY LOOSENING SOIL MUST BE RELOOSENING.
7. THE CONTRACTOR SHALL HAVE ACCESS TO STREET SWEEPING EQUIPMENT AT ALL TIMES. THE CONTRACTOR SHOULD BE AWARE OF WEATHER CONDITIONS AND SWEEP ANY STREETS WITH DEBRIS PRIOR TO ANY RAINFALL EVENT. STOCKPILING ON THE STREET DURING ANY RAINFALL EVENT SHALL NOT BE ALLOWED.
8. COORDINATE WITH OWNER TO ENSURE ACCEPTABLE TRAFFIC CONTROL REQUIREMENTS.



2 SECTION: RAINWATER GARDEN
NOT TO SCALE

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION
1	EEF	MEK2	MEK2	02/05/2020	ADDENDUM #1- CURB AND GUTTER TYPE
0	PEB	EEF	MEK2	01/17/2020	ISSUED FOR BID AND CONSTRUCTION

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.

PRINTED NAME: MATTHEW E. KUMKA
SIGNATURE: *[Signature]*
DATE: 01/17/2020 LICENSE #: 53974

CLIENT	DATE	CONSTRUCTION	DATE RELEASED
BARR ENGINEERING CO.	1/17/2020	CONSTRUCTION	1/17/2020

BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
Suite 200
MINNEAPOLIS, MN 55435

Project Office:
BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
Suite 200
MINNEAPOLIS, MN 55435

Corporate Headquarters:
Minneapolis, Minnesota
Ph: 1-800-632-2277
Fax: (952) 832-2601
www.barr.com

Scale	AS SHOWN
Date	01/17/2020
Drawn	PEB
Checked	MEK2
Designed	PEB
Approved	MEK2

NINE MILE CREEK WATERSHED DISTRICT
EDEN PRAIRIE, MN

NONPROFIT SITES BMP RETROFITS CONSTRUCTION 2020

GOOD SAMARITAN UNITED METHODIST CHURCH
GRADING, EROSION CONTROL, & REMOVALS PLAN

BARR PROJECT No.	23/27-0634.00
CLIENT PROJECT No.	
DWG. No.	C-01
REV. No.	1

ISSUED FOR BID AND CONSTRUCTION

Memorandum

To: Erica Sniegowski, NMCWD Program and Project Manager
From: Matt Kumka, PLA
Subject: Permitting Narrative
Date: 4/6/2020
Project: 2020 Non-Profit Sites BMP Retrofits – Oak Grove Presbyterian Church, Bloomington
c: Bob Obermeyer, PE – District Engineer
Janna Kieffer, PE

Introduction

The Nine Mile Creek Watershed District (NMCWD) 2020 Non-Profit Sites BMP Retrofits project consists of six rain gardens and vegetated swales to be constructed on five church properties within the district. This application refers to a rain garden that will be constructed at Oak Grove Presbyterian Church in Bloomington. Interpretation of NMCWD rules that apply for the site have been noted in (parenthesis).

Project Overview & Permit Requirements

Oak Grove Presbyterian Church, 2200 W Old Shakopee Road, Bloomington

This project will convert a portion of turf to a raingarden. A new catch basin will be installed to capture runoff from W. Old Shakopee Road, allowing the water to be treated in the raingarden before infiltrating or overflowing back out to an existing catch basin in the roadway. This project will require more than 50 cubic yards of excavation (Rule 5.2.1).

- Permit required: Erosion and Sediment Control

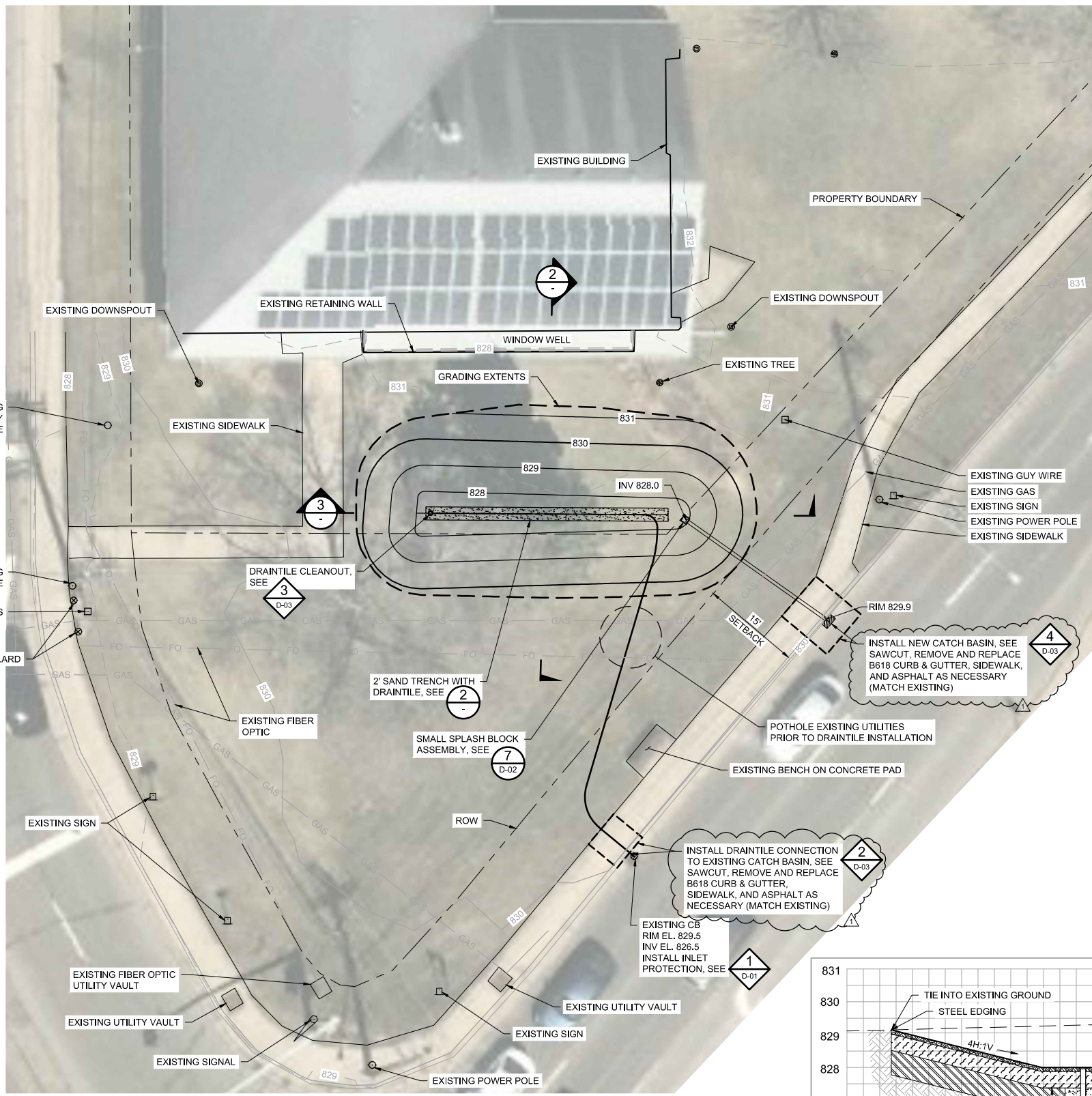
Sediment and Erosion Control Summary

For this property, catch basin inserts and sediment control logs will be placed within the site and along the perimeter of the disturbed construction area prior to any soil disturbance in order to prevent sediment displacement from the site and into adjacent streets, parking lots, or storm sewer structures. Soil stockpiles will only be allowed within the construction limits as shown on the Drawings and will be required to be removed from site within 48 hours to prevent windblown sediment from transporting off-site.

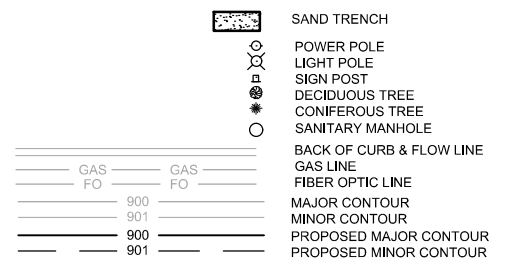
Permanent erosion control will consist of plantings within the finished rain garden, placement of 3" of shredded hardwood mulch within planted areas, and the placement and establishment of turf sod on all areas of disturbance outside the rain garden.

Erosion and Sediment Control Plans have been produced, please see attached.

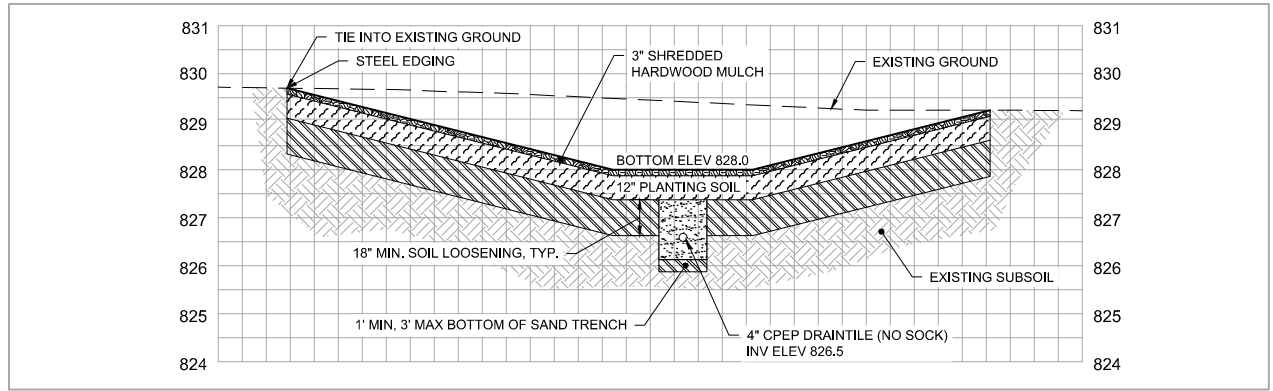
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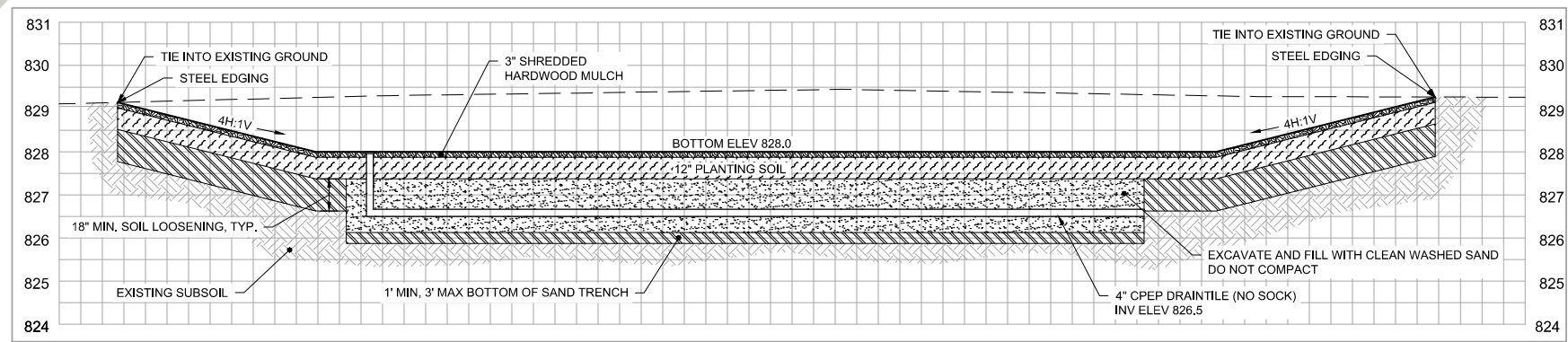
1 PLAN: GRADING, EROSION CONTROL, AND REMOVALS
SCALE IN FEET



- NOTES:**
- POTHOLE ALL EXISTING UTILITIES LOCATED WITHIN THE PROJECT LIMITS BEFORE EARTHWORK BEGINS.
 - MAKE ARRANGEMENTS FOR THE OWNER'S REPRESENTATIVE TO BE ONSITE WHILE SAND TRENCHES ARE EXCAVATED AND SUBGRADE SOILS ARE LOOSENED.
 - NO RUBBER TIRED EQUIPMENT IN BASIN AFTER LOOSENING. LOW GROUND PRESSURE TRACKED EQUIPMENT ONLY.
 - ANY COMPACTION OF PREVIOUSLY LOOSENED SOIL MUST BE RELOOSENED.
 - THE CONTRACTOR SHALL HAVE ACCESS TO STREET SWEEPING EQUIPMENT AT ALL TIMES. THE CONTRACTOR SHOULD BE AWARE OF WEATHER CONDITIONS AND SWEEP ANY STREETS WITH DEBRIS PRIOR TO ANY RAINFALL EVENT. STOCKPILING ON THE STREET DURING ANY RAINFALL EVENT SHALL NOT BE ALLOWED.
 - COORDINATE WITH OWNER AND THE CITY OF BLOOMINGTON TO ENSURE ACCEPTABLE TRAFFIC CONTROL REQUIREMENTS AND RIGHT OF WAY PERMITS.
 - SOD DISTURBANCE SHALL BE CONFINED TO THE CONSTRUCTION LIMITS, AND ANYTHING OUTSIDE THE CONSTRUCTION LIMITS WILL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.



2 SECTION: RAIN GARDEN
NOT TO SCALE



3 SECTION: RAIN GARDEN
NOT TO SCALE

ISSUED FOR BID AND CONSTRUCTION

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION
1	EEF	MEK2	MEK2	02/05/2020	ADDENDUM #1- CURB AND GUTTER TYPE
0	PEB	EEF	MEK2	01/17/2020	ISSUED FOR BID AND CONSTRUCTION

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.

PRINTED NAME: MATTHEW E. KUMKA
SIGNATURE: *[Signature]*
DATE: 01/17/2020 LICENSE #: 53974

CLIENT	1/24/19	1/17/20	2/05/20
BID			
CONSTRUCTION			

RELEASED TO/FOR: A B C 0 1 2 3
DATE RELEASED

BARR
Project Office:
BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
Suite 200
MINNEAPOLIS, MN 55435
Corporate Headquarters:
Minneapolis, Minnesota
Ph: 1-800-632-2277
Fax: (952) 832-2601
www.barr.com

Scale	AS SHOWN
Date	01/17/2020
Drawn	PEB
Checked	MEK2
Designed	PEB
Approved	MEK2

NINE MILE CREEK WATERSHED DISTRICT
EDEN PRAIRIE, MN

NONPROFIT SITES BMP RETROFITS CONSTRUCTION 2020
OAK GROVE PRESBYTERIAN CHURCH
GRADING, EROSION CONTROL, & REMOVALS PLAN

BARR PROJECT No.	23/27-0634.00
CLIENT PROJECT No.	
DWG. No.	C-02
REV. No.	1

Memorandum

To: Erica Sniegowski, NMCWD Program and Project Manager
From: Matt Kumka, PLA
Subject: Permitting Narrative
Date: 4/6/2020
Project: 2020 Non-Profit Sites BMP Retrofits – St. Luke's Lutheran Church, Bloomington
c: Bob Obermeyer, PE – District Engineer
Janna Kieffer, PE

Introduction

The Nine Mile Creek Watershed District (NMCWD) 2020 Non-Profit Sites BMP Retrofits project consists of six rain gardens and vegetated swales to be constructed on five church properties within the district. This application refers to a rain garden that will be constructed at St. Luke's Lutheran Church in Bloomington. Interpretation of NMCWD rules that apply for the site have been noted in (parenthesis).

Project Overview & Permit Requirements

St. Luke's Lutheran Church, 1701 W Old Shakopee Road, Bloomington

A new raingarden will be constructed adjacent to a large parking lot, utilizing a splash block assembly for pretreatment. Existing turf will be removed to construct the raingarden. This project will require more than 50 cubic yards of excavation (Rule 5.2.1).

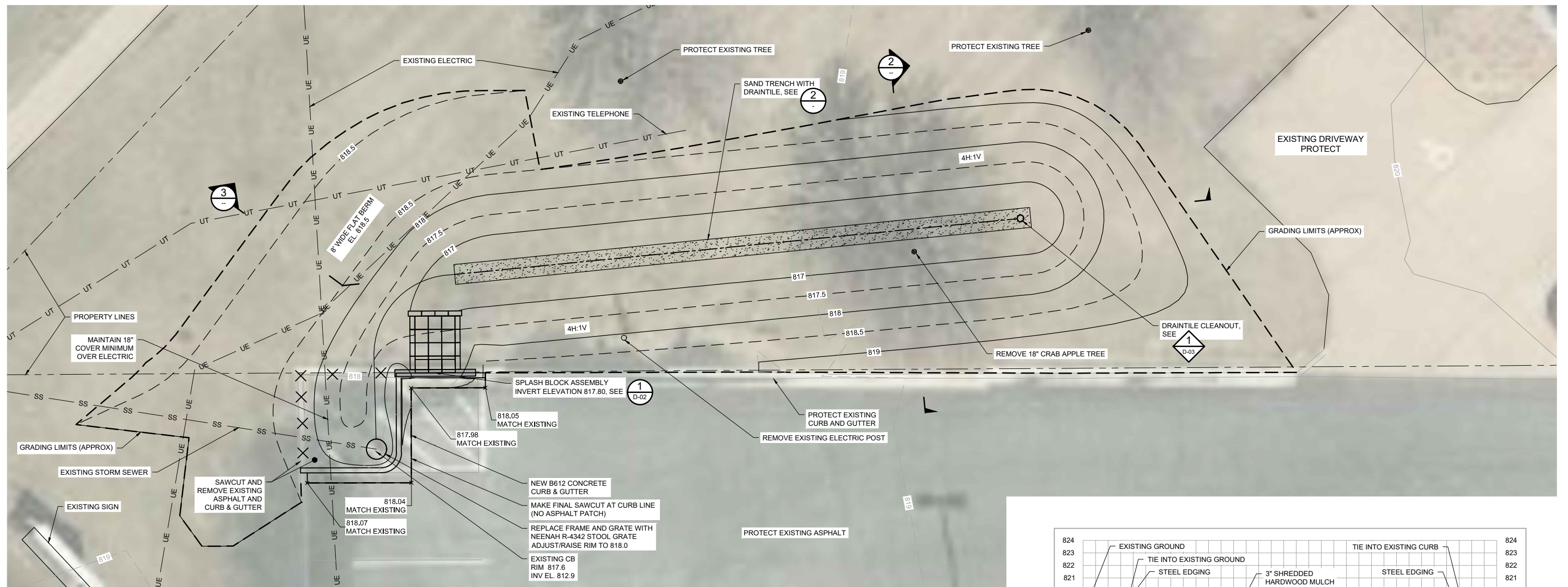
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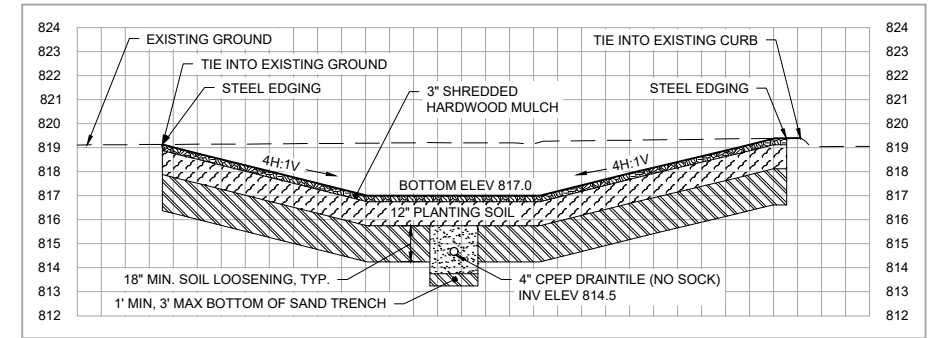
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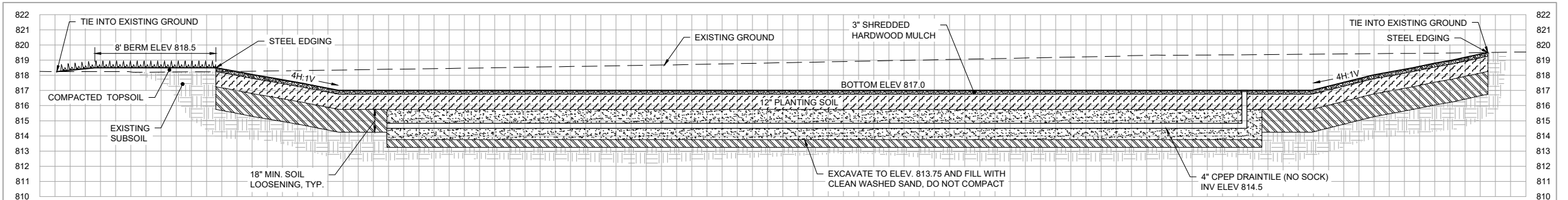
Erosion and Sediment Control Plans have been produced, please see attached.



1 PLAN: GRADING, EROSION CONTROLS, AND REMOVALS
AS SHOWN



2 SECTION: RAINWATER GARDEN
NOT TO SCALE



3 PROFILE: RAINWATER GARDEN
NOT TO SCALE

- NOTES:
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PRINTED NAME: MATTHEW E. KUMKA
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DATE: 01/17/2020 LICENSE # 53974

CLIENT	DATE	CONSTRUCTION	RELEASED TO/FOR	DATE RELEASED
BARR ENGINEERING CO.	1/24/19	1/17/20	A B C 0 1 2 3	1/17/20

Project Office:
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4300 MARKETPOINTE DRIVE
Suite 200
MINNEAPOLIS, MN 55435

Corporate Headquarters:
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Ph: 1-800-632-2277
Fax: (952) 832-2601
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Scale	AS SHOWN
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Drawn	PEB
Checked	MEK2
Designed	PEB
Approved	MEK2

NINE MILE CREEK WATERSHED DISTRICT
EDEN PRAIRIE, MN

NONPROFIT SITES BMP RETROFITS
CONSTRUCTION 2020
ST LUKE'S LUTHERAN CHURCH
GRADING, EROSION CONTROL, & REMOVALS PLAN

BARR PROJECT No.	23/27-0634.00
CLIENT PROJECT No.	
DWG. No.	C-04
REV. No.	0

ISSUED FOR BID
AND CONSTRUCTION

Memorandum

To: Erica Sniegowski, NMCWD Program and Project Manager
From: Matt Kumka, PLA
Subject: Permitting Narrative
Date: 4/6/2020
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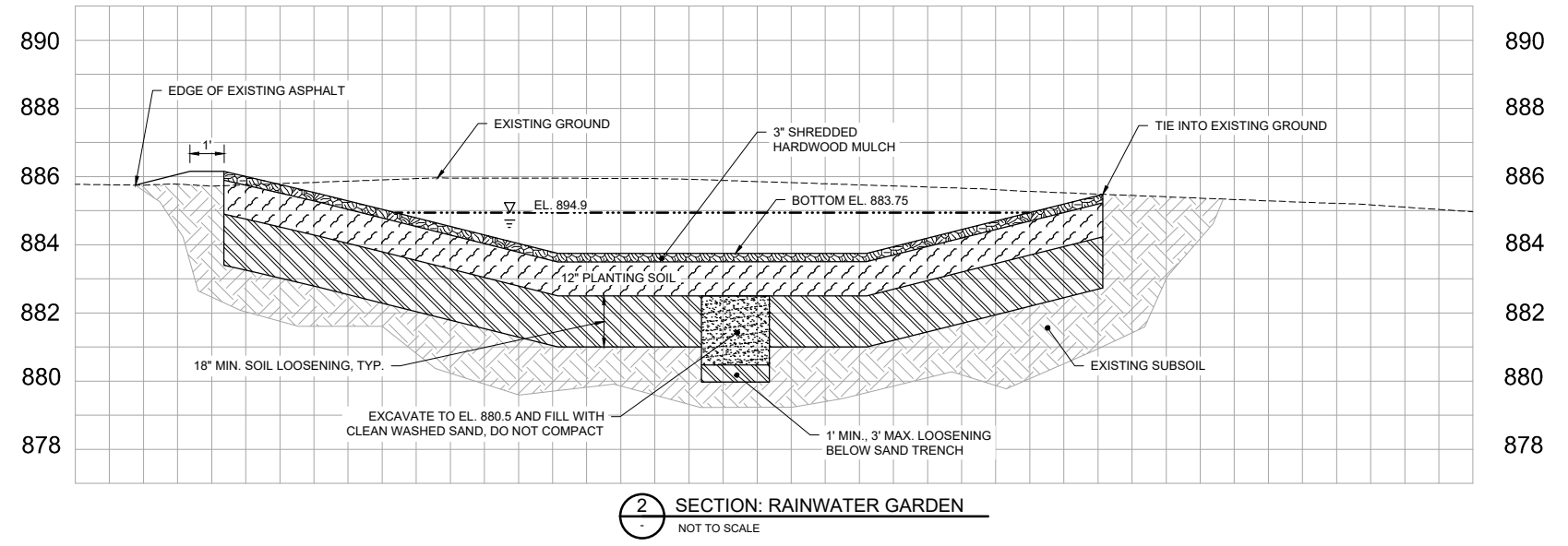
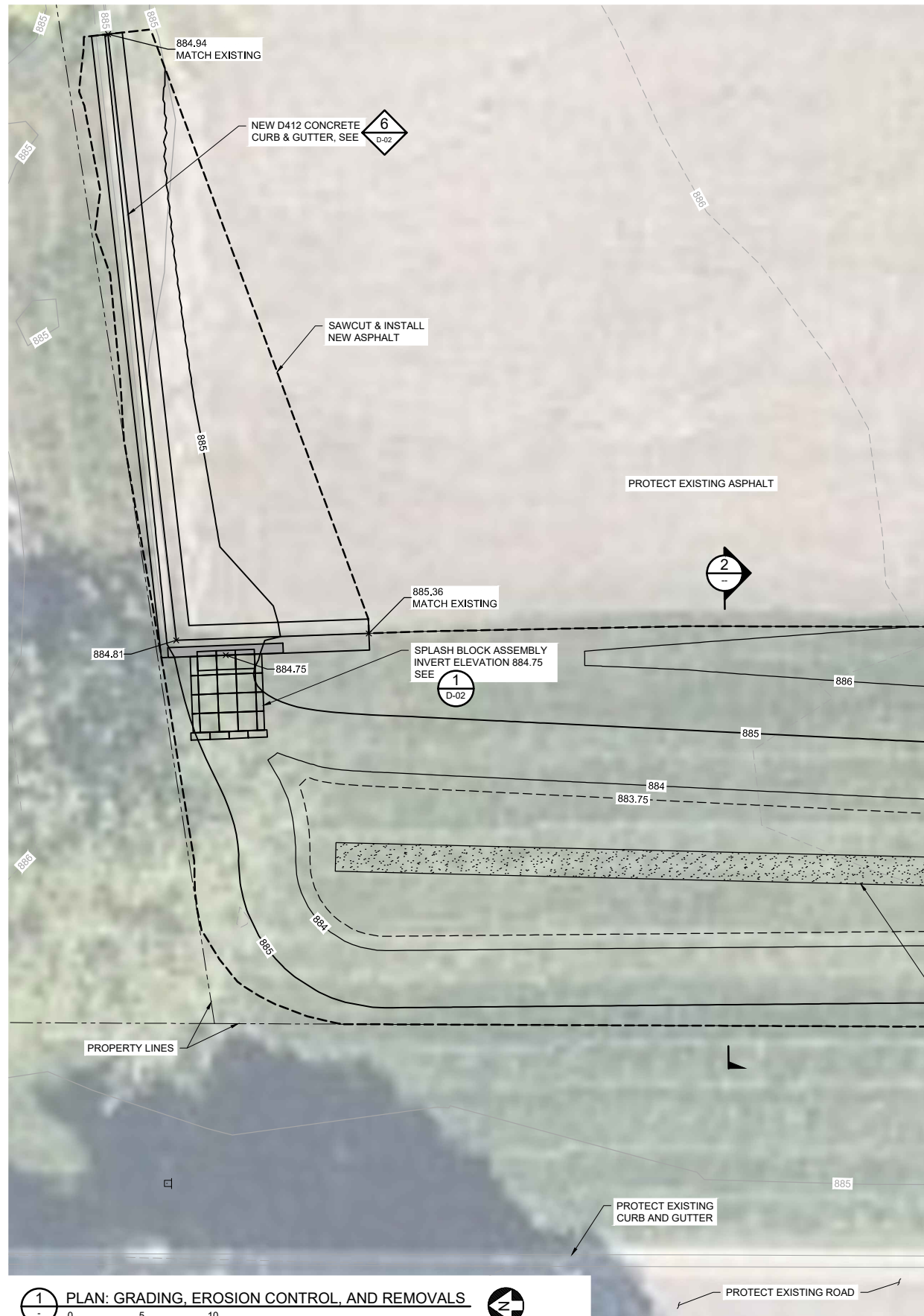
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2 SECTION: RAINWATER GARDEN
NOT TO SCALE

- NOTES:
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1 PLAN: GRADING, EROSION CONTROL, AND REMOVALS
SCALE IN FEET

CADD USER: ALEC.D. BATEMAN FILE: M:\DESIGN\23270634\NONPROFIT_C-05.DWG PLOT SCALE: 1:2.5649 PLOT DATE: 1/15/2020 9:53 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 LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: MATTHEW E. KUMKA SIGNATURE: <i>[Signature]</i> DATE: 01/17/2020 LICENSE # 53974				CLIENT: 12/4/19 BID: 1/17/20 CONSTRUCTION: 1/17/20 RELEASED TO/FOR: A B C 0 1 2 3 DATE RELEASED:				Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com		Scale: AS SHOWN Date: 01/17/2020 Drawn: PEB Checked: MEK2 Designed: PEB Approved: MEK2		NINE MILE CREEK WATERSHED DISTRICT EDEN PRAIRIE, MN		NONPROFIT SITES BMP RETROFITS CONSTRUCTION 2020 CHAPEL HILLS UNITED CHURCH GRADING, EROSION CONTROL, & REMOVALS PLAN		BARR PROJECT No. 23/27-0634.00 CLIENT PROJECT No. DWG. No. C-05 REV. No. 0	
NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION												
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