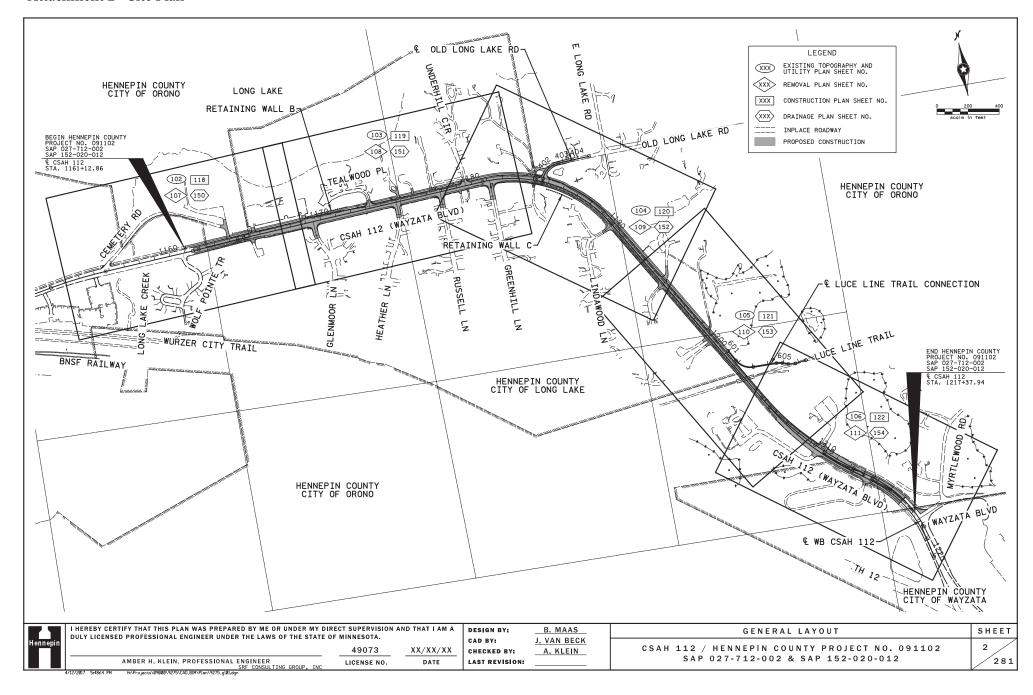
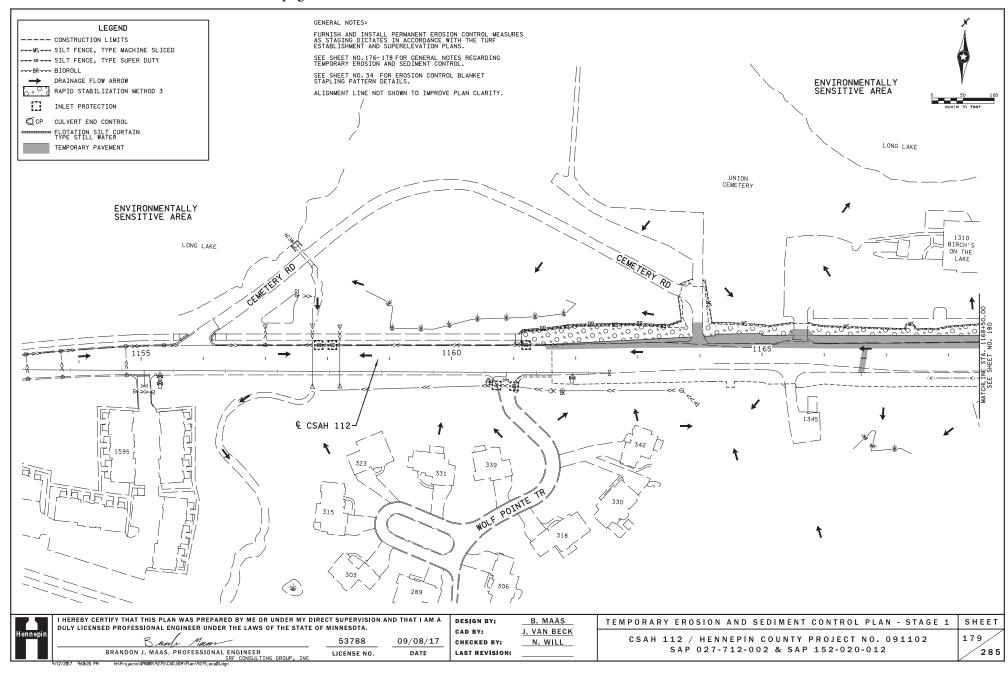
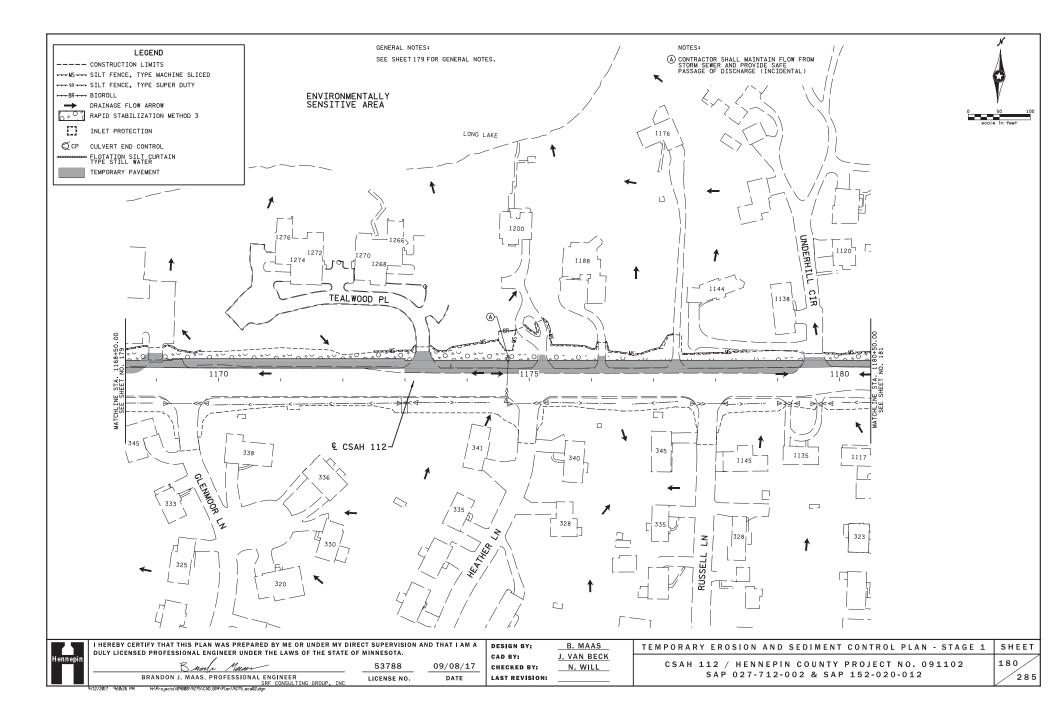
WATER RESOURCE PERMIT APPLICATION FORM Use this form to notify/apply to the Minnehaha Creek Watershed District (MCWD) of a proposed project or work which may fall within their jurisdiction. Fill out this form completely and submit with your site plan, maps, etc. to the MCWD at:			
15320 Minnetonka Blvd. Minnetonka, MN 55345.			
Keep a co	opy for your records.		
	UTHORIZATIONS BEFORE BEGINNING WORK.		
1. Name of each property owner: Kristy Morter - Henn	epin County		
Mailing Address: 1600 Prairie Drive	City: Medina State: MN Zip: 55340		
Email Address: Kristy.Morter@hennepin.us	Phone: 612-596-0384 Fax:		
2 Property Owner Representative Information (not r	equired) (licensed contractor, architect, engineer, etc)		
Business Name: SRF Consulting Group, Inc.	Representative Name: Jacques DuVal		
Business Address: One Carlson Parkway North	City: Minneapolis State: MN Zip: 55447		
Email Address: jduval@srfconsulting.com	Phone: 763-475-0010 Fax:		
3. Project Address: CSAH 112 - Phase 2	City: Long Lake / Orono		
State: MN Zip: 55356 Qtr Section(s): N/A	Section(s): <u>35</u>		
Lot: N/A Block: N/A Subdivision: N/A	PID: <u>N/A</u>		
4. Size of project parcel (square feet or acres): N/A			
Area of disturbance (square feet) : 13.70 ac	Volume of excavation/fill (cubic yards): N/A		
Area of existing impervious surface: 7.43 ac	Area of proposed impervious surface: 7.50 ac (non-exempt)		
	rbody (& bay if applicable): N/A		
· / <u></u>	· ` · · · · · · · · · · · · · · · · · ·		
5. Type of permit being applied for (Check all that applied for the check all the	. 1 • /		
☑ EROSION CONTROL	☐ WATERBODY CROSSINGS/STRUCTURES		
☐ FLOODPLAIN ALTERATION	☐ STORMWATER MANAGEMENT		
☑ WETLAND PROTECTION	☐ APPROPRIATIONS		
□ DREDGING	☐ ILLICIT DISCHARGE		
☐ SHORELINE/STREAMBANK STABILIZATION			
6. Project purpose (Check all that apply):			
☐ SINGLE FAMILY HOME	☐ MULTI FAMILY RESIDENTIAL (apartments)		
☑ ROAD CONSTRUCTION	☐ COMMERCIAL or INSTITUTIONAL		
☑ UTILITIES	☐ SUBDIVISIONS (include number of lots)		
□ DREDGING	☐ LANDSCAPING (pools, berms, etc.)		
☐ SHORELINE/STREAMBANK STABILIZATION	☐ OTHER (DESCRIBE):		
7. NPDES/SDS General Stormwater Permit Number	(if applicable): Will provide when submitted		
8. Waterbody receiving runoff from site: Long Lake,			
9. Project Timeline: Start Date: 4/1/2018	Completion Date: 10/31/2019		
· · · · · · · · · · · · · · · · · · ·	MN Pollution Control Agency DNR COE		
Permits have been received: City County	MN Pollution Control Agency DNR COE D		
Rules and that the proposed activity will be conducted in concontained in this application and, to the best of my knowledge	activities described herein. I certify that I am familiar with MCWD mpliance with these Rules. I am familiar with the information ge and belief, all information is true, complete and accurate. I thorizations are obtained may be subject to federal, state and/or local		
administrative, civil and/or criminal penalties.			
Kristy Morter	4/26/17		
Signature of Each Property Owner	Date		

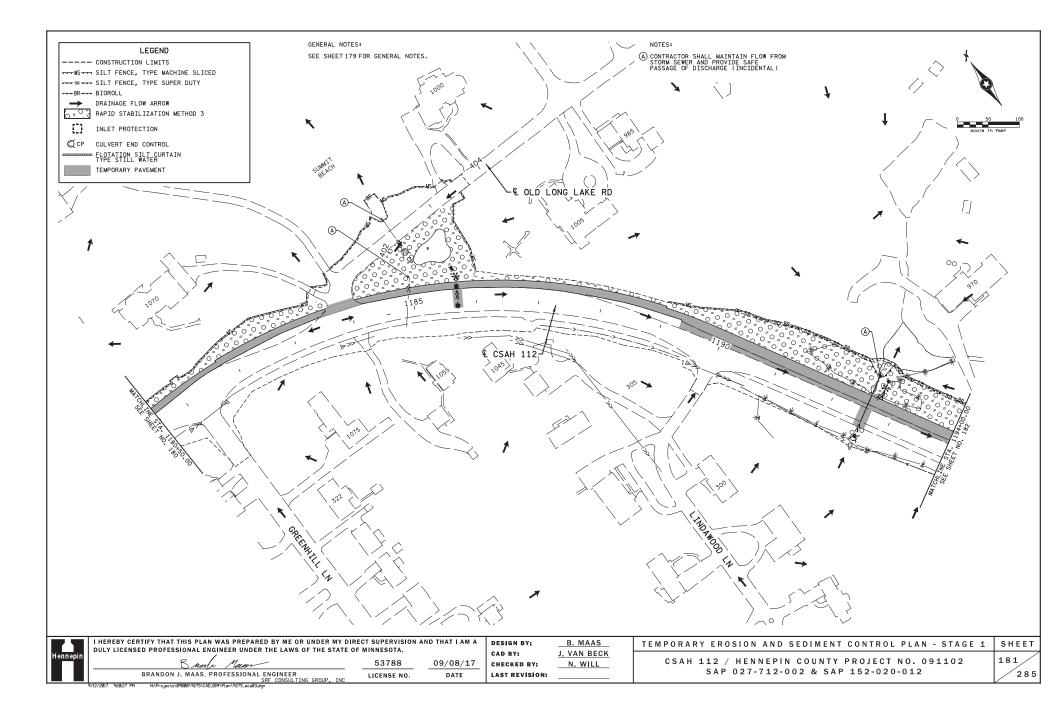
Attachment 2 - Site Plan

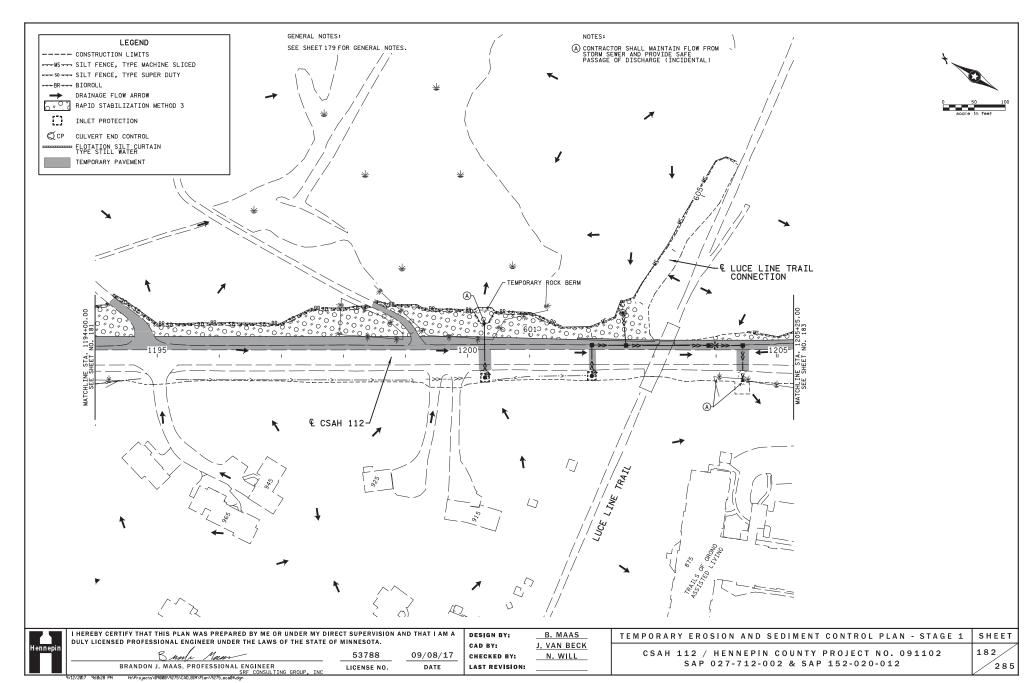


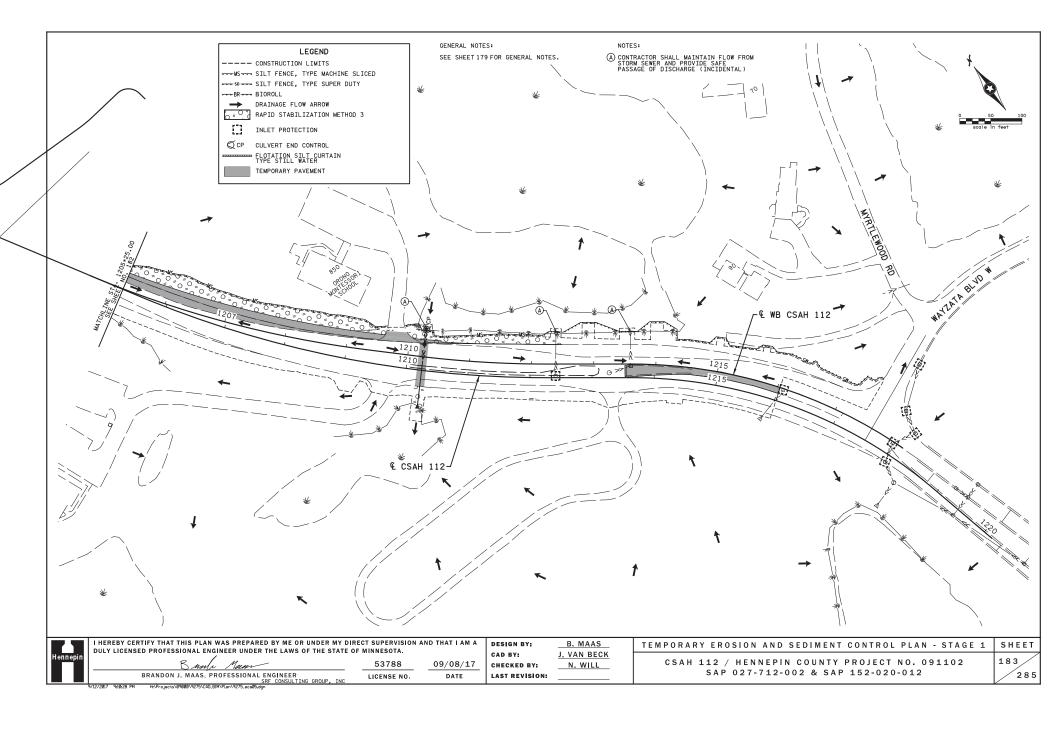
Attachment 3 - Erosion Control Plan (16 pages)

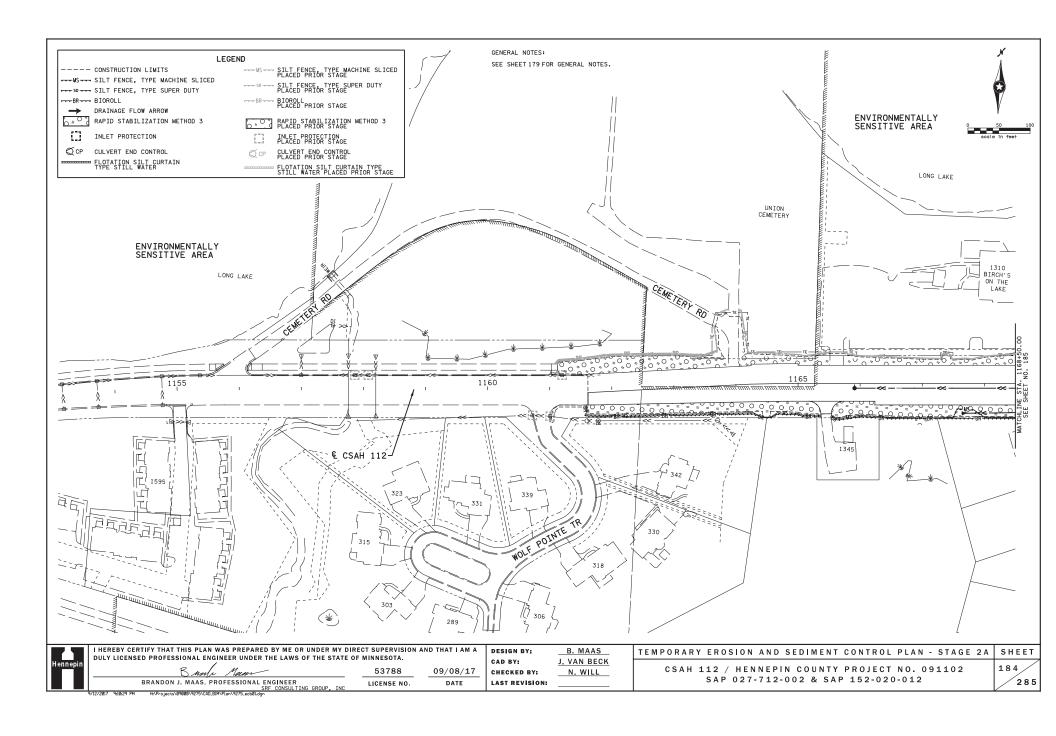


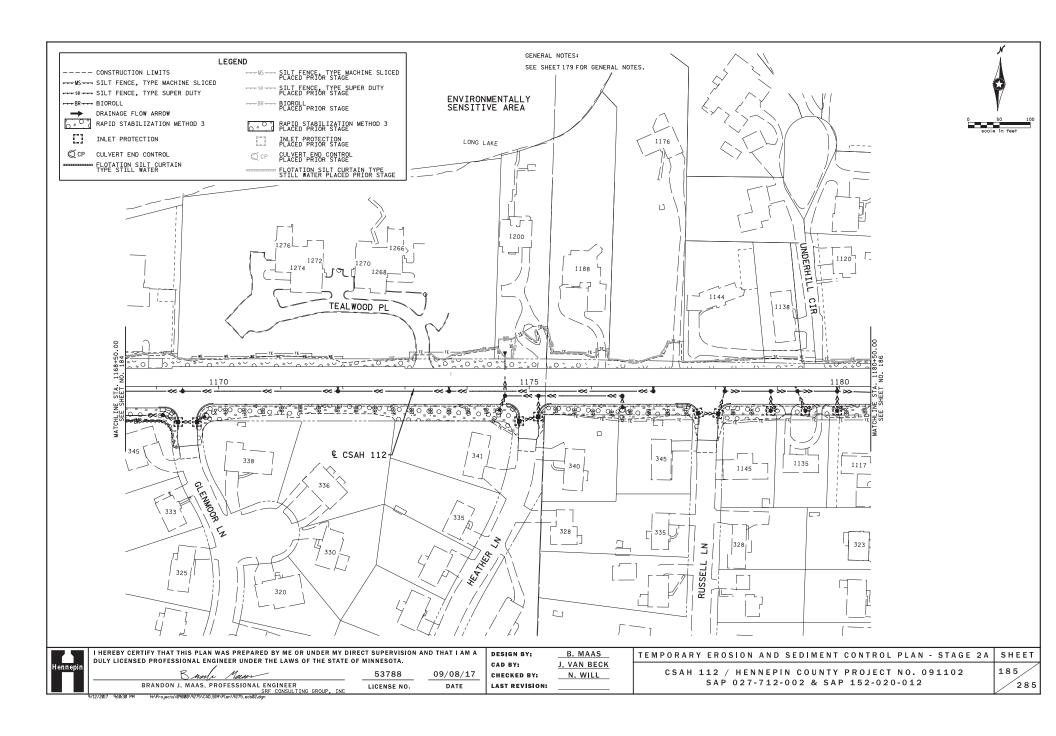


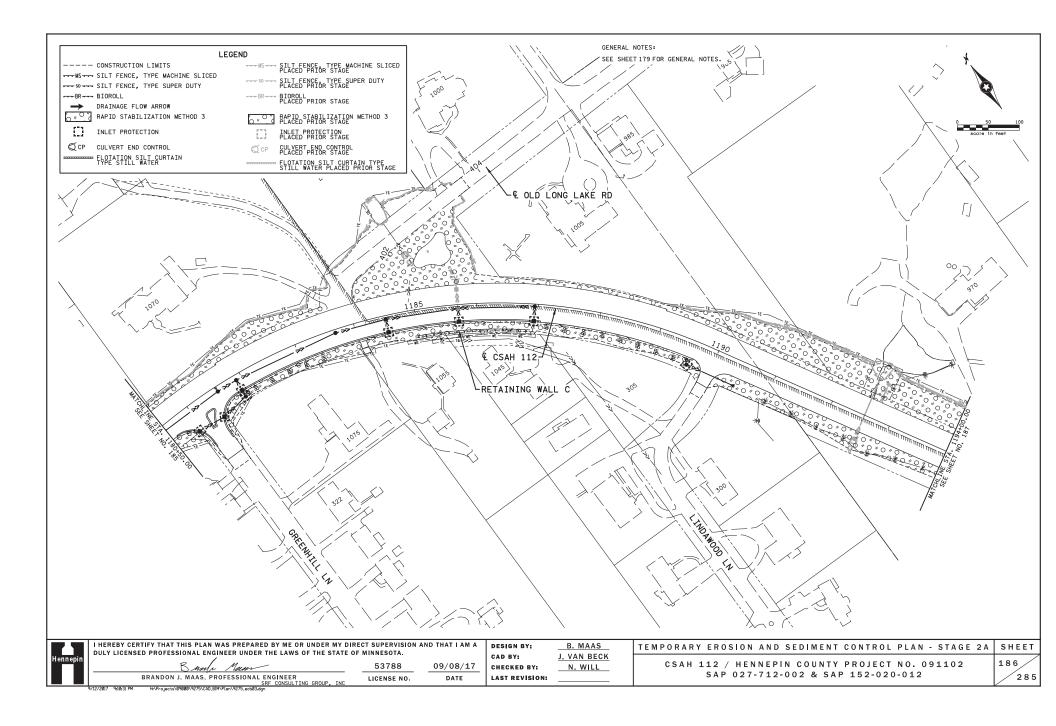


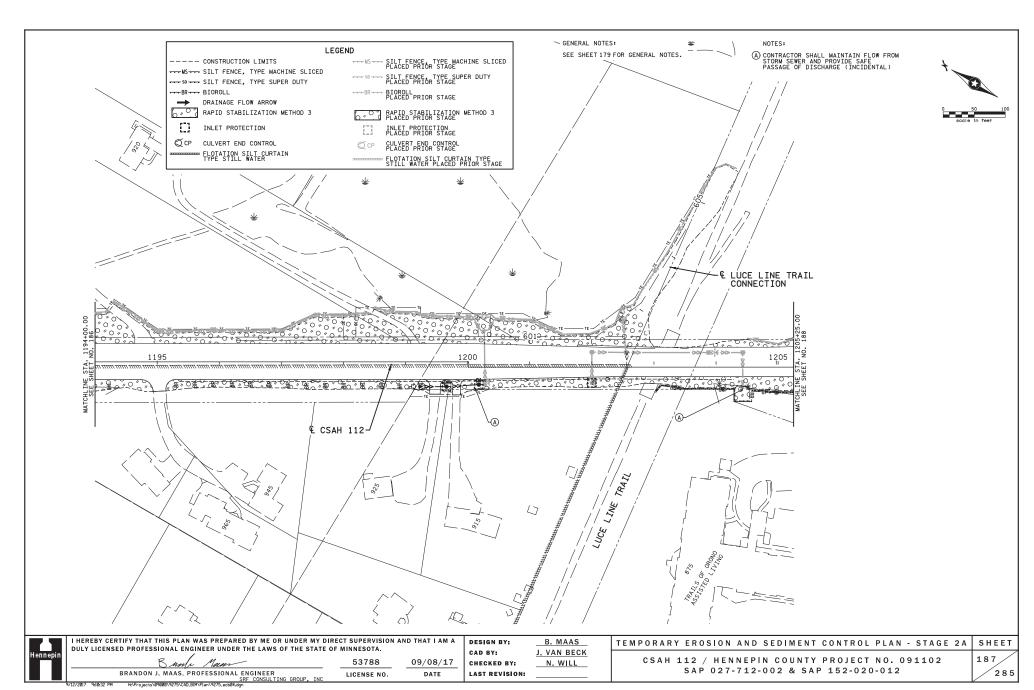


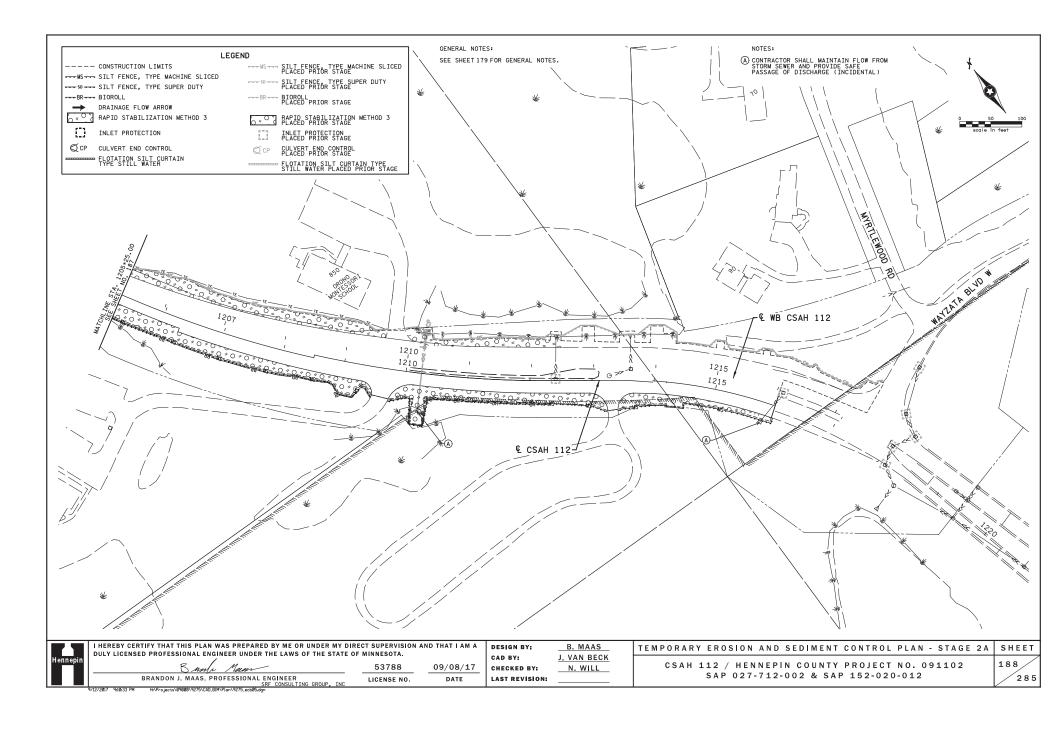


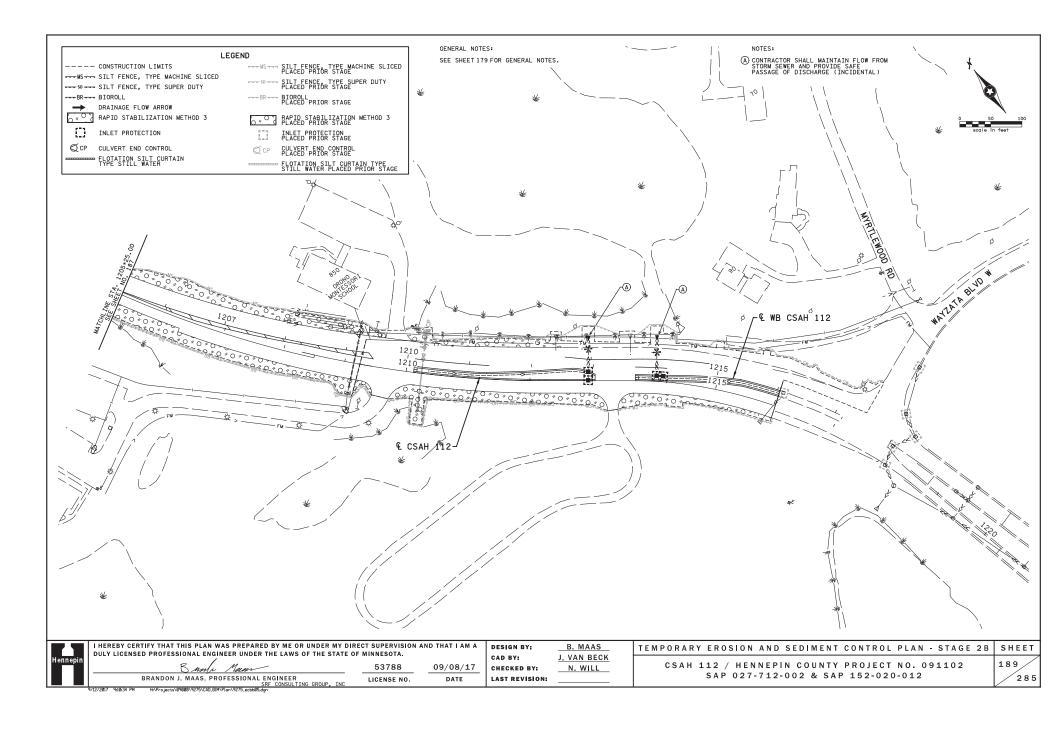


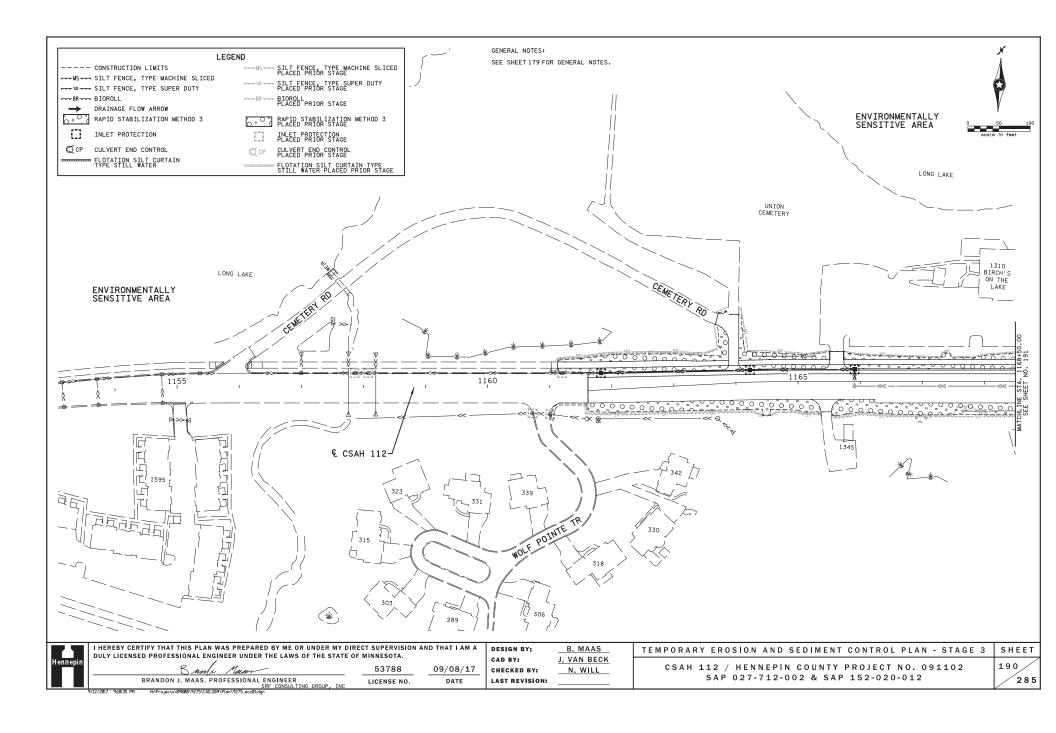


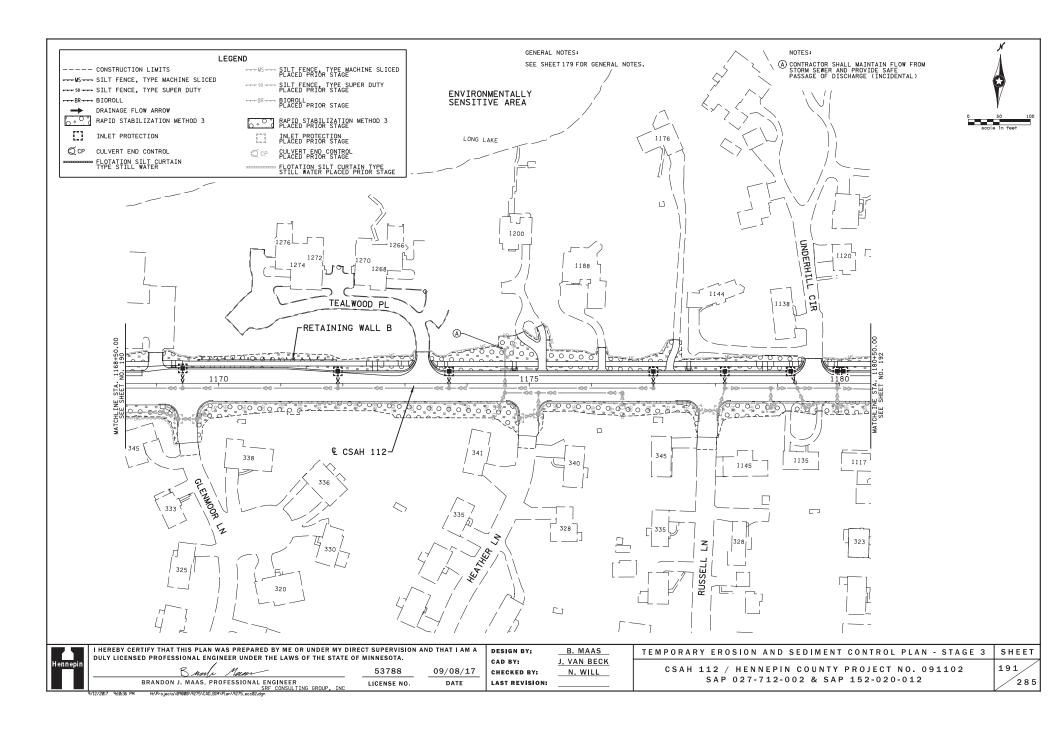


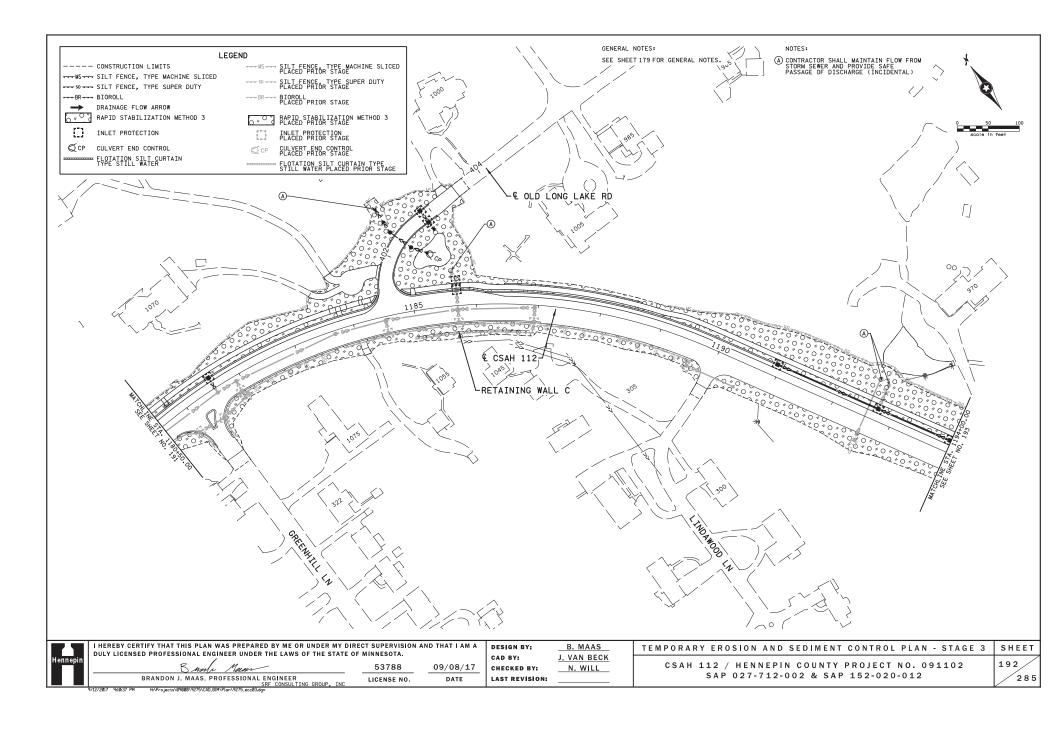


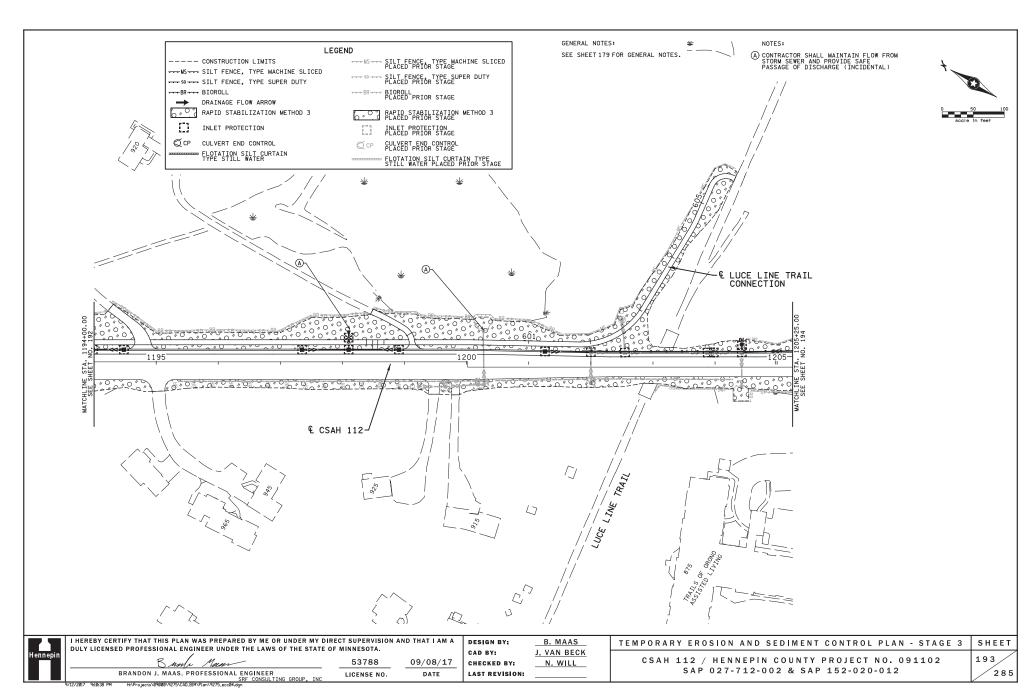


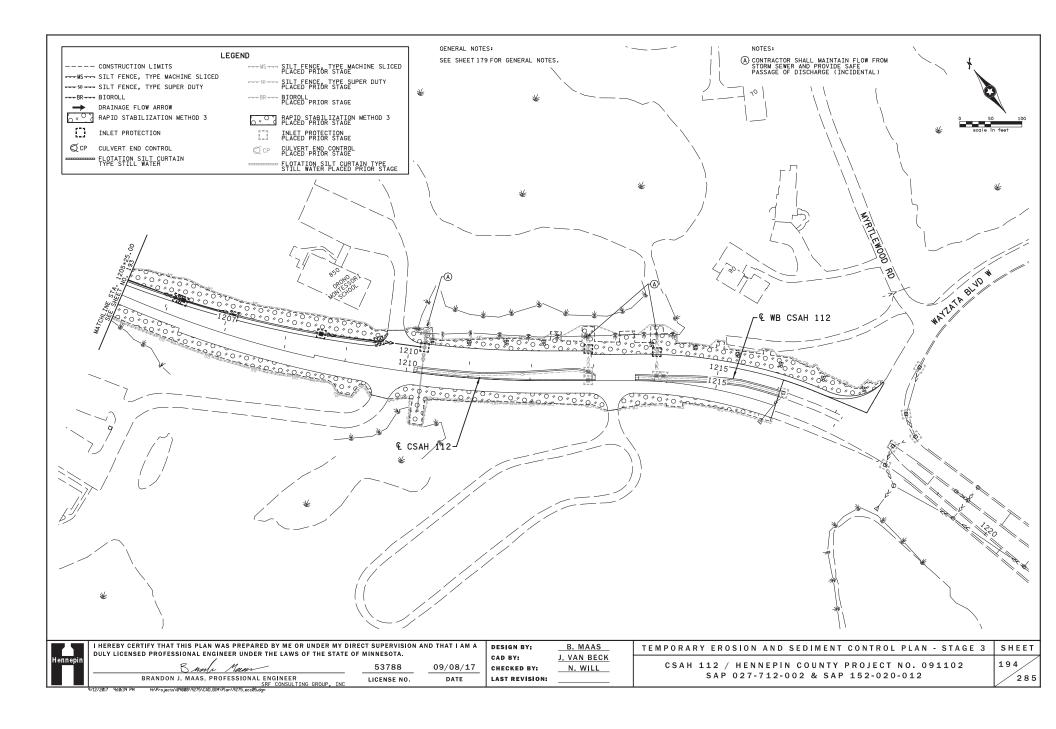














COVERAGE CARD

Construction Stormwater National Pollutant Discharge Elimination System/State Disposal System General Permit MNR100001

The Construction site identified below is covered under the National Pollutant Discharge Elimination System/State Disposal System General Permit MNR100001 and is authorized by the Minnesota Pollution Control Agency (MPCA) to discharge stormwater associated with construction activities.

Permit ID Number: C00047862

Owner: Hennepin County

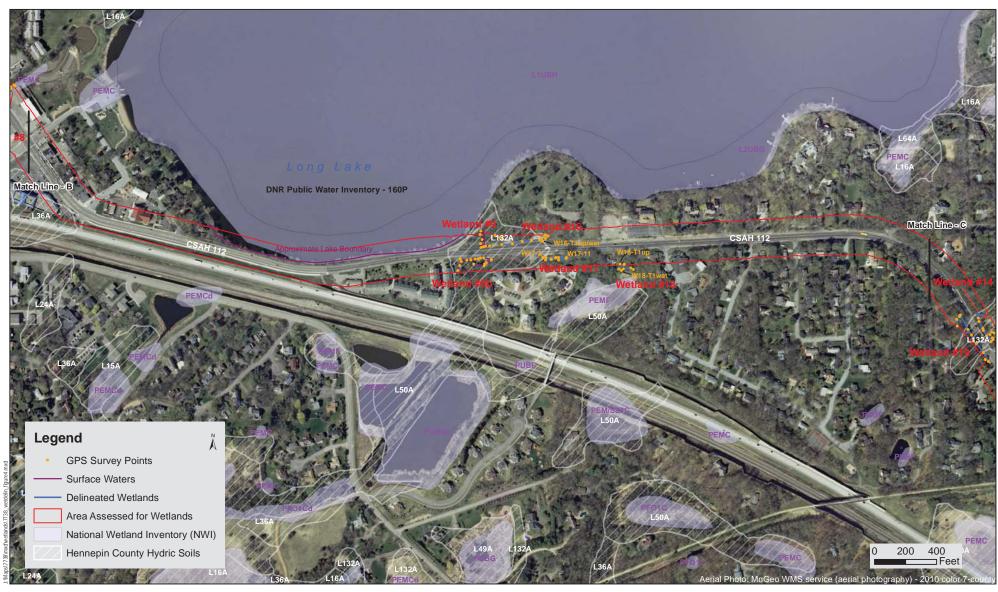
General Contractor: Hennepin County

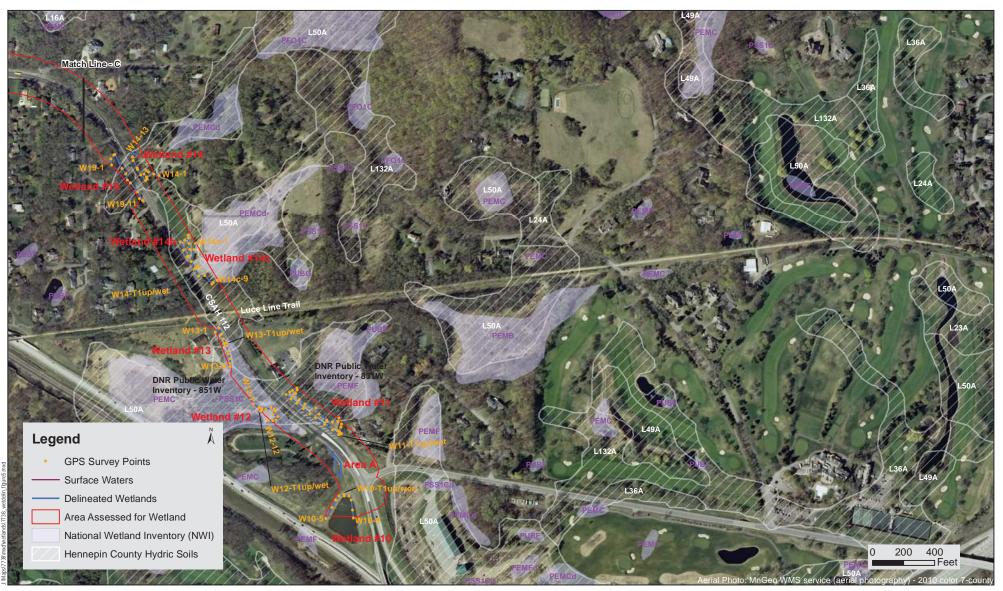
Project Name: County State Aid Highway 112 - Phase 2

Permit Coverage Date: 10/09/2017

If you have questions regarding the stormwater program for construction activity, please access the MPCA Stormwater website at http://www.pca.state.mn.us/stormwater, or call the Construction Stormwater Program at 651-757-2119 or toll free at 800-657-3804.

Attachment 5 - Wetlands within Phase II (2 pages)





Minnesota Wetland Conservation Act **Notice of Decision**

Local Government Unit (LGU) Minnehaha Creek Watershed District		Address 18202 Minnetonka Blvd Deephaven, MN 55391		
1.	PROJECT INFORM	ATION	Předatavana predství avelebne 14° 15° Lednéhů bi	
Applicant Name Hennepin County Transportation Department	Project Name CSAH 112		Date of Application 9/20/12	Application Number W12-43
Attach site locator map.				
Type of Decision:				
Wetland Boundary or Type	⊠ No-Loss	Exemptio	n 🔲	Sequencing
Replacement	Plan	Banking Pl		
Technical Evaluation Panel Findings		*		
Approve	Approve with condit	ions		Deny
Summary (or attach):				
	nak nga kanakan kan sagaga kanakan kanakan	No en		* ***
	L GOVERNMENT UN	VIT DECISIO	ON	
Date of Decision: 2/14/13				
Approved Approved with conditions (include below)		Denied		
LGU Findings and Conclusions (attac	ch additional sheets as neo	essary).		
A wetland delineation for a future pro			rection of Wo	uzata Blud W
& CSAH 112 (eastern limit) to the importance of	tersection of CSAH 6 & C performed by SRF Consume determination for the On October 15, October 17, (MCWD) staff. The delified City of Wayzata is the Very Consumption of CSAH 6 & C	CSAH 112 (we alting Group In rono & Long I November 9, a neator from SE Wetland Conse	stern limit) in the c. (SRF) betwee Lake portions of and November RF was present	ne cities of en June 1 & f the project 21, 2012 by at the
The original application was submitted decision on the application was extended an addit applicant. The extensions were made original delineation before a decision	ded 60 days from 11/19/1 ional 30 days from 1/18/1 to allow additional time	2 on 11/19/12 3 on 1/17/13 p to work out iss	by the MCWD er written reque ues identified v	The est by the

BWSR Forms 7-1-10 Page 1 of 5

A total of 23 wetlands were identified within the Orono & Long Lake portion of the project area and are

described in Table 2 of the final delineation report (below):

Area ID*	Township, Range, Section	Type Eggers & Reed/Circ. 39,	Dominant Vegetation
Wetland 1 DNR PWW – 841w	T118N, R23W, Sect.32	Type 3 Shallow marsh	Cattails
Wetland 2 DNR PWI – 162p	T118N, R23W, Sect.32	Type 3 Cattails and reed Shallow marsh grass	
Wetland 3 DNR PWW – 841w	T118N, R23W, Sect.33	Type 3 Shallow marsh	Cattails
Wetland 4 DNR PWI – 162p	T118N, R23W, Sect.33	Type 3 Shallow marsh	Cattails
Wetland 5 (Stormwater pond)	T118N, R23W, Sect.33	Type 5 Shallow open water	Duckweed
Wetland 6 (Incidental stormwater pond)	T118N, R23W, Sect.34	Type 5 Shallow open water	Duckweed
Wetland 7 (Incidental swale)	T118N, R23W, Sect.34	Type 3 Shallow marsh	Cattails
Wetland 8	T118N, R23W, Sect.34	Type 2/3 Wet meadow/ shallow marsh Cannel lined outside edges by cattails an grass.	
Wetland 10 (Incidental stormwater pond)	T117N, R23W, Sect.1	Type 5 Shallow open water	Duckweed, fringe of catails
Wetland 11 DNR PWI – 831W	T118N, R23W, Sect.35	Type 3/Type 6 Fresh wet meadow/ scrub shrub	Cattails
Wetland 12 DNR PWI – 851W	T118N, R23W, Sect.35	Type 3 Shallow marsh	Jewelweed, reed canary grass, green ash
Wetland 13	T118N, R23W, Sect.35	Type 3 Shallow marsh	Cattails
Wetland 14, 14b, 14c	T118N, R23W, Sect.35	Type 5, 3 2 Shallow open water Shallow marsh Wet meadow	Reed canary grass, duckweed, cattails
Wetland 15	T118N, R23W, Sect.33	Type 2 Wet meadow	Foxtail barley, reed cana grass
Cattail ditch south of W 15 (Incidental)	T118N, R23W, Sect.33	3 Type 3 Cattails Shallow marsh	
Wetland 16	T118N, R23W, Sect.35	Type 1/2 Floodplain forest/wet meadow	Reed canary grass
Wetland 17	T118N, R23W, Sect.35	Type 1L Floodplain forest	Green ash, box elder
Wetland 18	T118N, R23W, Sect.35	Type 1L/Type 2 Floodplain forest/ wet meadow	European buckthorn, Canada wood nettle, clearweed, late boneset, Virginia creeper
Wetland 19	T118N, R23W, Sect.35	Type 1L Floodplain forest	Green ash, box elder
Wetland H	T118N, R23W, Sect.33	Type 2 Wet meadow	Cattails and reed canary grass
Wetland F	T118N, R23W, Sect.33	Type 2 Cattails and reed of grass	

Wetlands H & F

A boundary & type decision for Wetlands H & F was issued on May 6, 2011 for a separate delineation

BWSR Forms 7-1-10 Page 2 of 5

performed in 2010 for a proposed project area near Old Crystal Bay Rd N, and the decision is still valid (WCA application #W10-22). The original boundaries of Wetlands H & F within the CSAH 112 project area shown in the final delineation report are re-approved with this decision.

Incidental Determination

Four of the wetlands were determined to be incidental and are indicated as such in bold in the table above. The documentation supporting the determination is in the final delineation report. Due to the incidental determination a no-loss decision under Chapter 8420.0315 Subp. B is being issued in addition to the boundary & type decision.

The boundary & type determination as described above and in the attached final delineation report dated February 2013 are approved by the MCWD. This approval only applies to the portions of the project area for which the MCWD is the WCA LGU (Orono & Long Lake). Please disregard the original delineation report dated August 2012 that was sent out with the Notice of Application since it has since been revised. This decision is valid for five years. A project on this property may require a permit from the MCWD.

For Replacement Plans using credits from the State Wetland Bank:

Bank Account #	Bank Service Area	County	Credits Approved for
			Withdrawal (sq. ft. or nearest .01
			acre)

Replacement Plan Approval Conditions. In addition to any conditions specified by the LGU, the approval of a <u>Wetland Replacement Plan</u> is conditional upon the following:

Financial Assurance:	For project-specific	replacement th	hat is not	t in-advance, a	financial
assurance specified by the	LGU must be subn	nitted to the Lo	GU in ac	cordance with	MN Rule
8420.0522, Subp. 9 (List am	ount and type in LGU	Findings).			

- Deed Recording: For project-specific replacement, evidence must be provided to the LGU that the BWSR "Declaration of Restrictions and Covenants" and "Consent to Replacement Wetland" forms have been filed with the county recorder's office in which the replacement wetland is located.
- Credit Withdrawal: For replacement consisting of wetland bank credits, confirmation that BWSR has withdrawn the credits from the state wetland bank as specified in the approved replacement plan.

Wetlands may not be impacted until all applicable conditions have been met!

LGU Authorized Signature:

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 5 provides notice that a decision was made by the LGU under the Wetland Conservation Act as specified above. If additional details on the decision exist, they have been provided to the landowner and are available from the LGU upon request.

are available from the 200 apon request.			
Name	Title		
Catherine Bach	District Technician		
Signature	Date 2/14/13	Phone Number and E-mail (952) 641-4504 cbach@minnehahacreek.org	

THIS DECISION ONLY APPLIES TO THE MINNESOTA WETLAND CONSERVATION ACT. Additional approvals or permits from local, state, and federal agencies may be required. Check with all appropriate authorities before commencing work in or near wetlands.

BWSR Forms 7-1-10 Page 3 of 5

Applicants proceed at their own risk if work authorized by this decision is started before the time period for appeal (30 days) has expired. If this decision is reversed or revised under appeal, the applicant may be responsible for restoring or replacing all wetland impacts.

This decision is valid for three years from the date of decision unless a longer period is advised by the TEP and specified in this notice of decision.

3. APPEAL OF THIS DECISION

Pursuant to MN Rule 8420.0905, any appeal of this decision can only be commenced by mailing a petition for appeal, including applicable fee, within thirty (30) calendar days of the date of the mailing of this Notice to the following as indicated:

C	hec	ŀ	Oπ	ρ,
v.		N	OII	С.

Appeal of an LGU staff decision. Send	Appeal of LGU governing body decision. Send	
petition and \$0 fee (if applicable) to:	petition and \$500 filing fee to:	
Minnehaha Creek Watershed District	Executive Director	
18202 Minnetonka Blvd	Minnesota Board of Water and Soil Resources	
Deephaven, MN 55391	520 Lafayette Road North	
	St. Paul, MN 55155	

4. LIST OF ADDRESSEES

SWCD TEP member: Stacey Lijewski – Stacey.lijewski@co.hennepin.mn.us
BWSR TEP member: Lynda Peterson − Lynda.peterson@state.mn.us
LGU TEP member (if different than LGU Contact):
Melissa.doperalski@state.mn.us
WD or WMO (if applicable):
Applicant (notice only) and Landowner (if different): Hennepin County Transportation
Department (Jim Grube) - transportation@co.hennepin.mn.us
Members of the public who requested notice (notice only):
Consultant: SRF Consulting Group, Inc. (Matt Meyer or Jeff Olson) – mmeyer@srfconsulting.com
or jolson@srfconsulting.com
City of Orono – Christine Mattson – cmattson@ci.orono.mn.us
City of Long Lake – Marv Wurzer & Terry Post – mwurzer@ci.long-lake.mn.us & tpost@ci.long-
lake.mn.us
City of Wayzata – Mike Kelly – mike@wayzata.org
Corps of Engineers Project Manager (notice only): Melissa Jenny –
Melissa.m.jenny@usace.army.mil
BWSR Wetland Bank Coordinator (wetland bank plan applications only)

5. MAILING INFORMATION

For a list of BWSR TEP representatives: www.bwsr.state.mn.us/aboutbwsr/workareas/WCA areas.pdf

For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR TEP contacts.pdf

Department of Natural Resources Regional Offices:

NW Region:	NE Region:	Central Region:	Southern Region:
Reg. Env. Assess. Ecol.	Reg. Env. Assess. Ecol.	Reg. Env. Assess. Ecol.	Reg. Env. Assess, Ecol.

BWSR Forms 7-1-10 Page 4 of 5

Div. Ecol. Resources	Div. Ecol. Resources	Div. Ecol. Resources	Div. Ecol. Resources
2115 Birchmont Beach Rd.	1201 E. Hwy. 2	1200 Warner Road	261 Hwy. 15 South
NE	Grand Rapids, MN 55744	St. Paul, MN 55106	New Ulm, MN 56073
Bemidji, MN 56601			

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr_regions.pdf

➤ For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687 or send to:

US Army Corps of Engineers St. Paul District, ATTN: OP-R 180 Fifth St. East, Suite 700 St. Paul, MN 55101-1678

➤ For Wetland Bank Plan applications, also send a copy of the application to:

Minnesota Board of Water and Soil Resources

Wetland Bank Coordinator 520 Lafayette Road North St. Paul, MN 55155

6. ATTACHMENTS

In addition to the site locator map, list any other attachments:
☐ Final delineation report dated February 2012 (replaces original delineation report dated August
2012 sent out with Notice of Application)

BWSR Forms 7-1-10 Page 5 of 5

Minnesota Wetland Conservation Act **Notice of Decision**

Local Government Unit (LGU) Minnehaha Creek Watershed District		Address 15320 Minnetonka Blvd Minnetonka, MN 55345		
1.	PROJECT INFORM	ATION	R	
Applicant Name Hennepin County Public Works	Project Name CSAH 112 Phase 2		Date of Application 4/14/2017 (Incomplete) 5/16/2017 (Incomplete) 6/6/17 (Incomplete) 6/26/2017 (Complete)	Application Number W17-06
Type of Decision:		u e	O ^C (1996)	
☐ Wetland Boundary or Type	⊠ No-Loss	Exempti	on S	Sequencing
Replacement	t Plan	Banking I	Plan	
Technical Evaluation Panel Findings a	and Recommendation (if	any):		
Approve Approv	re with conditions		☐ Deny	
Summary (or attach):				
2. LOCAL	GOVERNMENT U	NIT DECISION	ON	
Date of Decision: 7/18/2017	1 1 1		1 1	-
⊠ Approved □ A	pproved with conditions	(include below	y) [Denied
LGU Findings and Conclusions (attack	h additional sheets as ne	cessary):		

Hennepin County Public Works has applied for a WCA No Loss Decision for temporary impacts to wetlands related to reconstruction of CSAH 112 between Wolfe Pointe Trail and Wayzata Blvd (Phase 2) in the Cities of Long Lake and Orono, Hennepin County, Minnesota Legal description: Section 1 Township 117N, Range 23W.

A Wetland Boundary and Type Notice of Decision was issued on February 14th, 2013 (W12-43). Ten wetlands were delineated within this project area (Wetland 11, 12, 13, 14, 14b, 14c, 16, 17, 18, 19). This project proposes 0.124 square feet of temporary impacts to Wetland 11, 12, 13, 14, and 14c as a result of equipment access related to culvert installation and road reconstruction. Reconstruction of the road is necessary to meet safety and design standards.

Following the reconstruction of CSAH 112, temporary fill will be removed from the wetland, wetland contours will be restored, and disturbed areas will be re-seeded with seed mixture 34-171.

This proposed temporary disturbance (<180 days) meets the conditions of 8420.0410 and criteria of 8420.0415 Subp. H.

This project also proposed 0.345 acres of permanent wetland impact to be replaced through BWSR's Local Road Wetland Replacement Program.

This decision is valid for five years. Any proposed changes to the project that are outside of the scope of this no-loss decision or approved through the Local Road Wetland Replacement Program may not begin without approval from the MCWD.

For Replacement Plans using credits from the State Wetland Bank:

Bank Account #	Bank Service Area	County	Credits Approved for
N/A	N/A	N/A	Withdrawal (sq. ft. or nearest
			.01 acre)

Replacement Plan Approval Conditions. In addition to any conditions specified by the LGU, the approval of a <u>Wetland Replacement Plan</u> is conditional upon the following:

Financial Assurance: For project-specific replacement that is not in-advance, a financial assuran	ice
specified by the LGU must be submitted to the LGU in accordance with MN Rule 8420.0522, Subp	. 9
(List amount and type in LGU Findings).	

Deed Recording: For project-specific replacement, evidence must be provided to the LGU that the BWSR "Declaration of Restrictions and Covenants" and "Consent to Replacement Wetland" forms have been filed with the county recorder's office in which the replacement wetland is located.

Credit Withdrawal: For replacement consisting of wetland bank credits, confirmation that BWSR has withdrawn the credits from the state wetland bank as specified in the approved replacement plan.

Wetlands may not be impacted until all applicable conditions have been met!

LGU Authorized Signature:

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 5 provides notice that a decision was made by the LGU under the Wetland Conservation Act as specified above. If additional details on the decision exist, they have been provided to the landowner and are available from the LGU upon request.

and are available from the EGO up	on request.
Name	Title
Heidi Quinn	Permitting Technician

Signature AZWO OWW	Date 7/18/2017	Phone Number and E-mail (952) 641-4504 hquinn@minnehahacreek.org
--------------------	----------------	--

THIS DECISION ONLY APPLIES TO THE MINNESOTA WETLAND CONSERVATION ACT. Additional approvals or permits from local, state, and federal agencies may be required. Check with all appropriate authorities before commencing work in or near wetlands.

Applicants proceed at their own risk if work authorized by this decision is started before the time period for appeal (30 days) has expired. If this decision is reversed or revised under appeal, the applicant may be responsible for restoring or replacing all wetland impacts.

This decision is valid for three years from the date of decision unless a longer period is advised by the TEP and specified in this notice of decision.

3. APPEAL OF THIS DECISION

Pursuant to MN Rule 8420.0905, any appeal of this decision can only be commenced by mailing a petition for appeal, including applicable fee, within thirty (30) calendar days of the date of the mailing of this Notice to the following as indicated:

α	- 1			
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\sim 1			\mathbf{o}	U.

Appeal of an LGU staff decision. Send	Appeal of LGU governing body decision.
petition and \$0 fee (if applicable) to:	Send petition and \$500 filing fee to:
Minnehaha Creek Watershed District	Executive Director
15320 Minnetonka Blvd	Minnesota Board of Water and Soil Resources
Minnetonka, MN 55345	520 Lafayette Road North
	St. Paul, MN 55155

4. LIST OF ADDRESSEES

\boxtimes	SWCD TEP member: Stacey Lijewski
\boxtimes	BWSR TEP member: Ben Meyer; Sarma Straumanis
Ш	LGU TEP member (if different than LGU Contact):
\boxtimes	DNR TEP member: Kate Drewry; Becky Horton
	DNR Regional Office (if different than DNR TEP member):
\boxtimes	WD or WMO (if applicable): Mike Hayman
\boxtimes	Applicant (notice only) and Landowner (if different): Hennepin County (Kristy Morter)
\boxtimes	Members of the public who requested notice (notice only): SRF Consulting (Nicole Zappetillo,
Jac	ques DuVal, Nathan Will), City of Orono (Adam Edwards), City of Long Lake (Jason
Go	ehring)
\boxtimes	Corps of Engineers Project Manager (notice only): Ryan Malterud
	BWSR Wetland Bank Coordinator (wetland bank plan applications only)

5. MAILING INFORMATION

For a list of BWSR TEP representatives: www.bwsr.state.mn.us/aboutbwsr/workareas/WCA areas.pdf

For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR TEP contacts.pdf

➤ Department of Natural Resources Regional Offices:

NW Region:	NE Region:	Central Region:	Southern Region:
Reg. Env. Assess. Ecol.	Reg. Env. Assess. Ecol.	Reg. Env. Assess.	Reg. Env. Assess. Ecol.

BWSR Forms 7-1-10 Page 3

Div. Ecol. Resources	Div. Ecol. Resources	Ecol.	Div. Ecol. Resources
2115 Birchmont Beach Rd.	1201 E. Hwy. 2	Div. Ecol. Resources	261 Hwy. 15 South
NE	Grand Rapids, MN	1200 Warner Road	New Ulm, MN 56073
Bemidji, MN 56601	55744	St. Paul, MN 55106	

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr regions.pdf

➤ For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687 or send to:

US Army Corps of Engineers St. Paul District, ATTN: OP-R 180 Fifth St. East, Suite 700 St. Paul, MN 55101-1678

➤ For Wetland Bank Plan applications, also send a copy of the application to:

Minnesota Board of Water and Soil Resources Wetland Bank Coordinator 520 Lafayette Road North

St. Paul, MN 55155

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Application		,



Local Road Wetland Replacement Program

Mitigation Verification

The wetland mitigation request for the public road project identified below has been accepted into the BWSR Local Road Wetland Replacement Program. The wetland impact and the processed required replacement is defined below.

Withdrawn By:

Withdrawal Date:

RIBITS Entered:

Corps Regulatory File #:

2016-01240-MMJ

BWSR #:

10272M &

10274M WCA add'l

Project	Infor	natior	1			-	
Applicant:	Henne	pin Co Pu	ıblic Works	Representative:	Kristy Mo	rter	
Project Nar	ne/ID:	CSAH 1	12 ph 2 Wolfe F	Pointe to Wayzata I	Blvd SAP 027	7-712-002	
County:	Henne	pin	Watershed:	201/	Bank Sei	rvice Area:	7
Section:	01		Township:	117	Range:	23 🗸	

Impact and	Required F	Replacement Info	ormation	-
		CWA Section 404 Req	uirement	
Impact Acres	Impact BSA	Replacement BSA	Replacement Ratio	Required Credits
0.345	9	7	2.0	0.69
		WCA Requirem	ent	
Impact Acres	Impact BSA	Replacement BSA	Replacement Ratio	Required Credits
0.345	9	7	2.5	0.69 + 0.1725
				T = 0.8625

Credit W	'ithdrawa	Infor	mation	:			
Bank Account #	Bank Watershed	Bank BSA	Subgroup	Federally Approved?	Wetland	Туре	Credits
1611	17	7	А	Yes	Wet mea	adow	0.69
1096 for WCA add'l	61	3	E	No	Upland b	uffer	0.1725
						Total:	0.8625

Verification sent to:

County: ALL Application: 10272M Impact Wetland Type: ALL

Topography: ALL

Major Watershed: ALL Impact Acres: ALL

Wetland Area: ALL Project Date: N/A Impact Date Range: N/A

Road Mitigation - Banking Ledger Comparison Land Owner Type: ALL Application Status: ALL

Minnesota Wetland Bank

August 9, 2017

	hed	5	
drawn	Maior Wafershed	16 Sauk	
REPLACEMENT BANKING - Credits Withdraw n	redit Wetland Site Amt Type CType No County	SWC 7548 73 Stearns	
MENT BAI	d CTvbe	SWC	
REPLACEN	Credit Wetland Amt Type C	0.69 2	69.0
	mpact Wdrwl Acres Acct # Gro	0.34 1611 A	
	Impact Acres	0.34	0.34
IMPACT	COE RAMS Major Watershed	2016-01240-MMJ 20 Mississippi (metro)	GRAND TOTAL:
	Appl No County	10272M 27 Hennepin	
	Appl No	10272M	

Application: 10274M Impact Wetland Type: ALL

Application Status: ALL

Topography: ALL County: ALL

Land Owner Type: ALL

Major Watershed: ALL

Impact Acres: ALL

Wetland Area: ALL Project Date: N/A Impact Date Range: N/A

Minnesota Wetland Bank

August 9, 2017

Road Mitigation - Banking Ledger Comparison

	IMPACT			REPLACEN	IENT BAI	REPLACEMENT BANKING - Credits Withdrawn—	awn
Appl No County	COE RAMS Major Watershed	Impact Acres	Wdrwl Acct # Grp	Credit Wetland Amt Type	d CTvpe	redit Wetland Site Amt Type CType No County	Major Watershed
10274M 27 Hennepin	2016-01240-MMJ 20 Mississippi (metro)	00.00	0.00 1096 E	0.17 U	SWC	SWC 2037 60 Polk	61 Sandhill
	GRAND TOTAL:	0.00		0.17			



DEPARTMENT OF THE ARMY ST. PAUL DISTRICT, CORPS OF ENGINEERS 180 FIFTH STREET EAST, SUITE 700 ST. PAUL, MN 55101-1678

RECEIVED JUL 272017

July 27, 2017

Regulatory File No. 2016-01240-MMJ

Hennepin County Attention: Kristy Mortar 1600 Prairie Drive Medina, Minnesota 55340

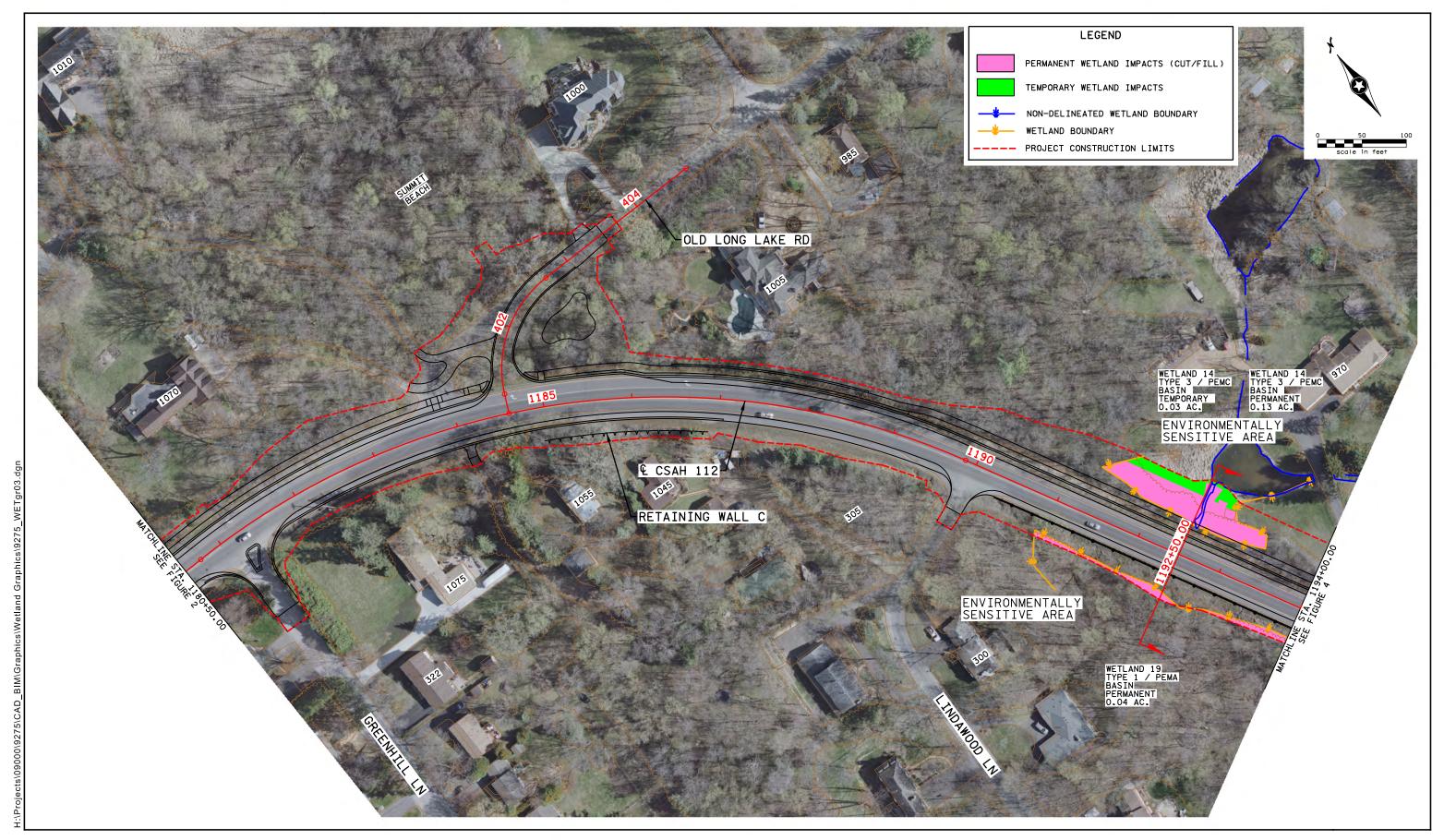
Dear Ms. Mortar:

We have reviewed your request for Department of the Army authorization to conduct Phase 2 of the County State Aid Highway (CSAH) 112 Reconstruction Project, in the cities of Long Lake, Orono and Wayzata. The project will reconstruct the roadway to include a center two-way left-turn lane on CSAH 112 from Wolf Pointe Trail to just north of Luce Line State Trail, to meet design and safety standards. Construction activities will include grading, bituminous paving, bituminous base, aggregate base, pedestrian/bicycle trail or concrete walk, curb and gutter, pedestrian ramps, lighting, watermain, sanitary sewer, storm sewer, culverts, water quality baffles, and stormwater best management practices (BMPs). The project will result in the permanent discharge of fill material into approximately 0.345 acre of wetland, and the temporary discharge of fill material into approximately 0.124 acre of wetland, and will be constructed as shown on the enclosed figures labeled as MVP-2016-01240-MMJ, Figures 1-10. The project site is located in Section 1, Township 117 North, Range 23 West, and Sections 35 and 36, Township 118 North, Range 23 West, Hennepin County, Minnesota.

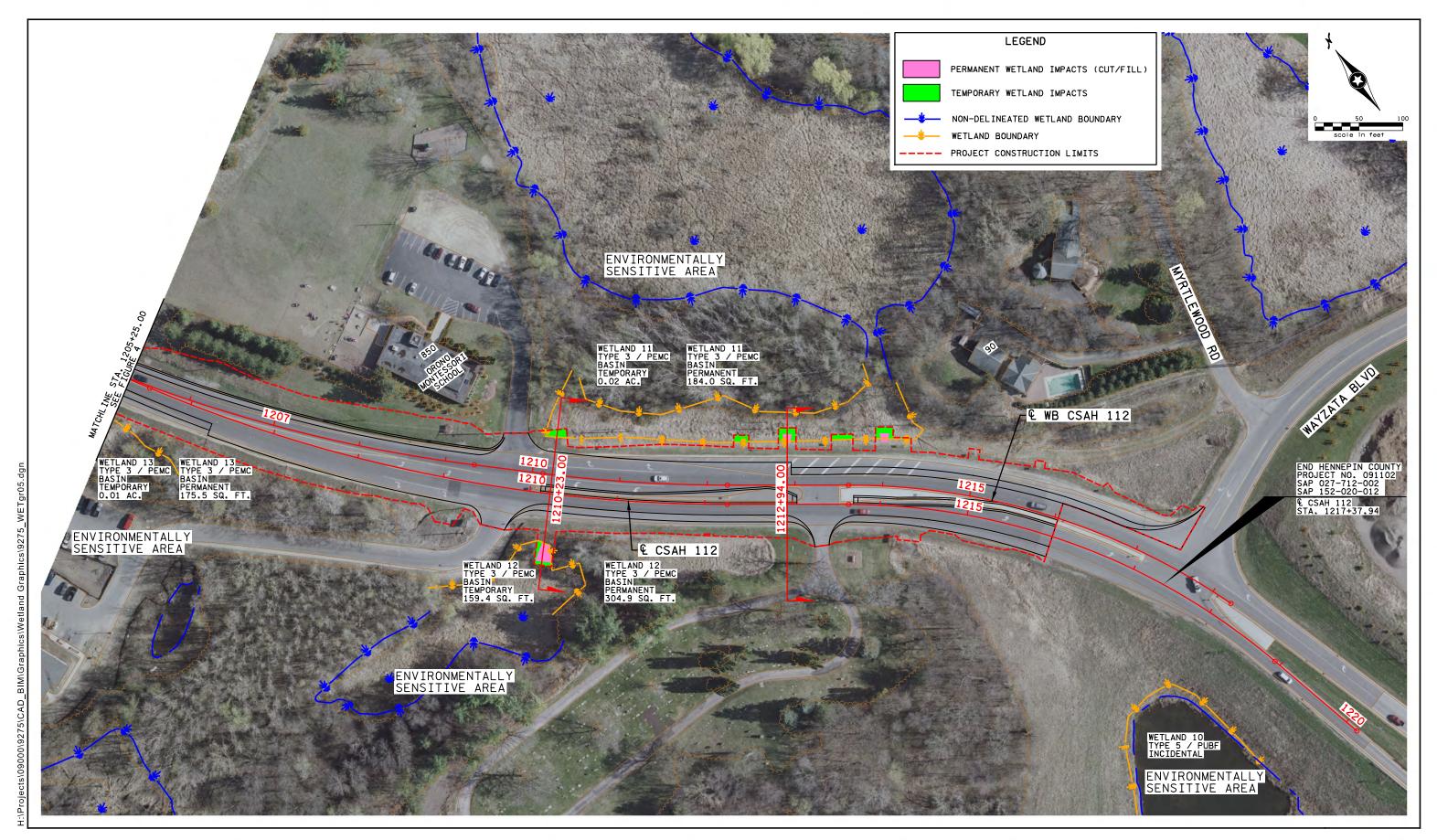
Department of the Army Regional General Permit-004-MN (RGP-004-MN) provides authorization under section 404 of the Clean Water Act for certain categories of activities involving the discharge of dredged or fill material into waters of the U.S. or activities conducted in/over/under waters covered by Section 10 of the Rivers and Harbors Act. We have determined that the described work is authorized by RGP-004-MN, provided the enclosed RGP-004-MN General Conditions and the Special Condition below are followed.

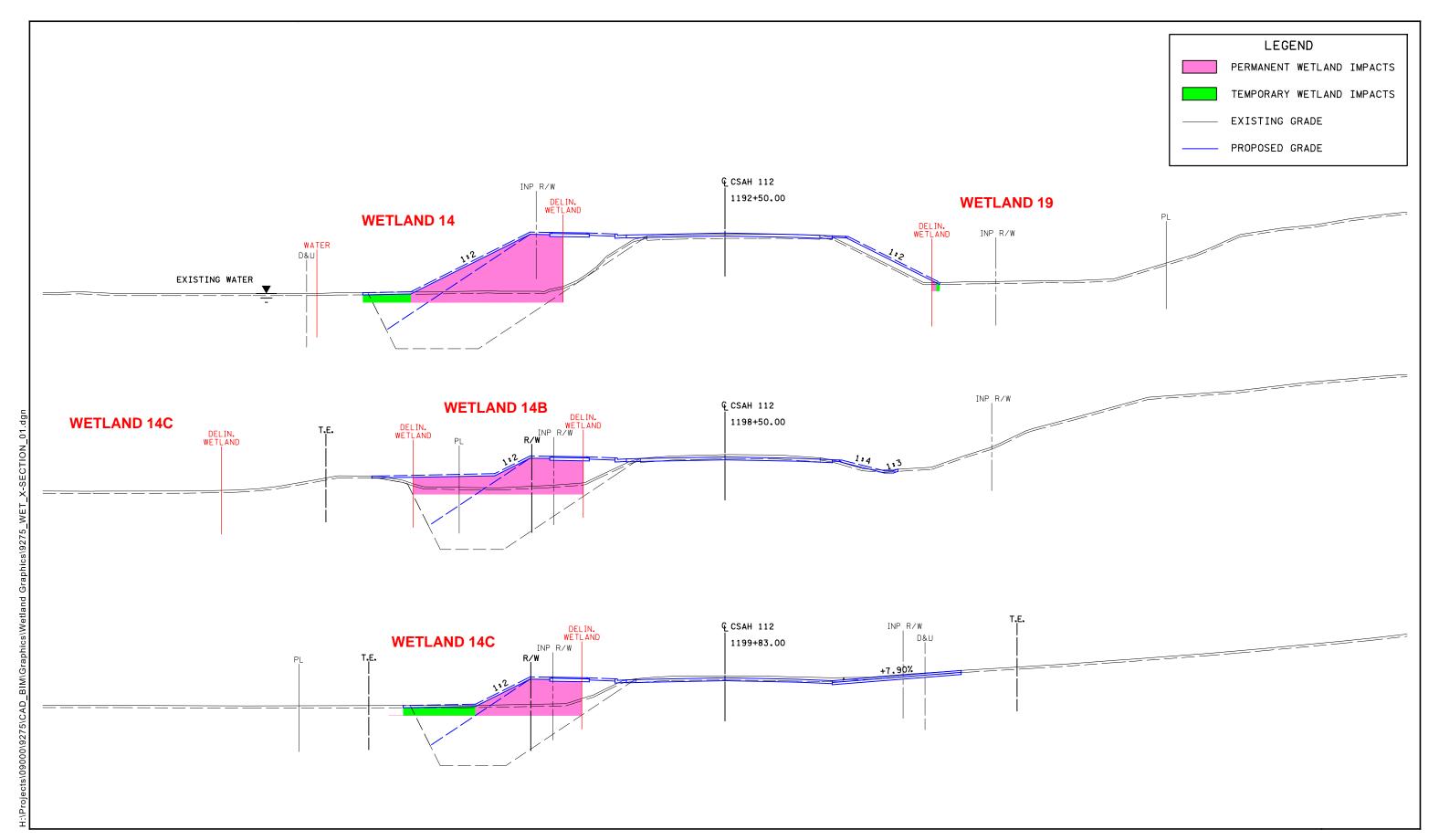
- 1. As compensatory mitigation for the authorized activities, a minimum of 0.6900 wetland credit shall be debited from a Corps-approved, Board of Water and Soil Resources (BWSR) Local Government Roads Wetland Replacement Program (LGRWRP) mitigation bank, serving Bank Service Area 7, specifically from the Shraemel Wetland Bank (Account #1611). Mitigation types and quantities shall be as follows: 0.6900 credit of wet meadow type wetland community.
 - a. Within 30 days from the date of this authorization, the permittee shall ensure that the Corps receives written verification from BWSR that the authorized impacts are eligible for replacement using the LGRWRP, and specifying the amount of credits that will be withdrawn.
 - b. Prior to undertaking the activities authorized by this permit, the permittee shall ensure that the Corps receives written verification from BWSR of the mitigation bank transaction, specifying the mitigation bank used, and the amount and type of credits withdrawn.

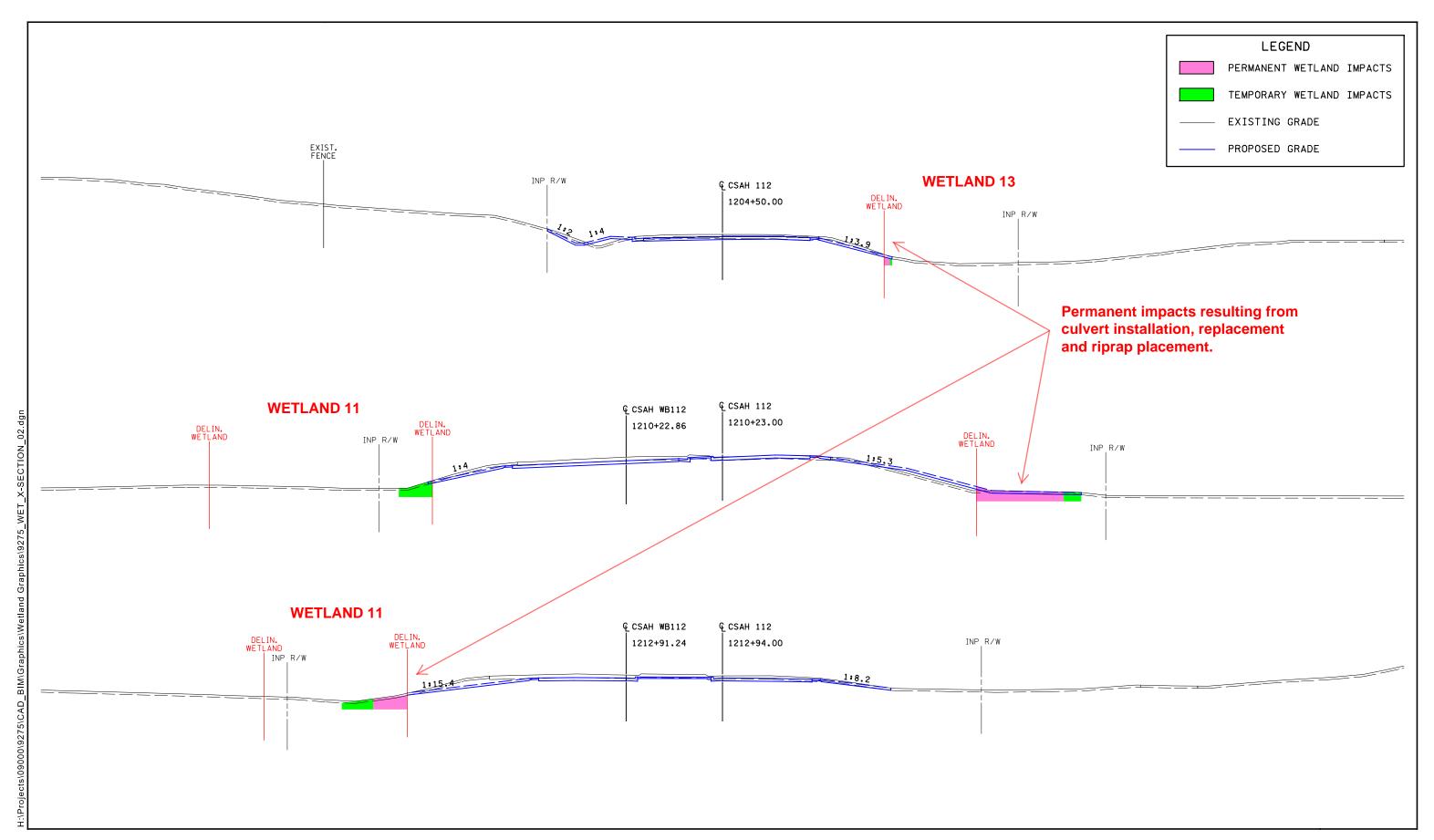




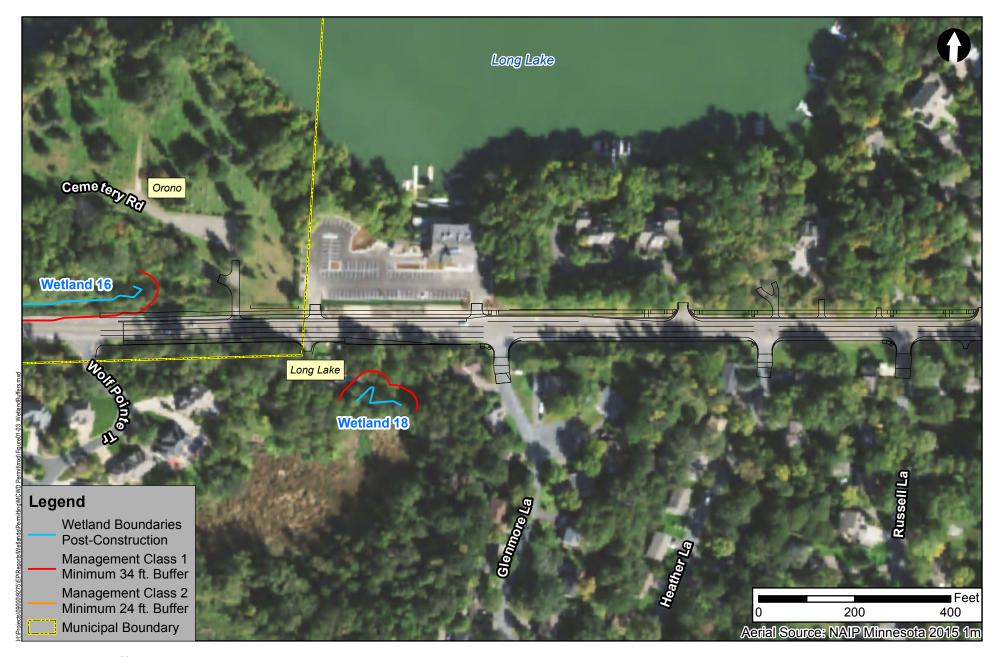




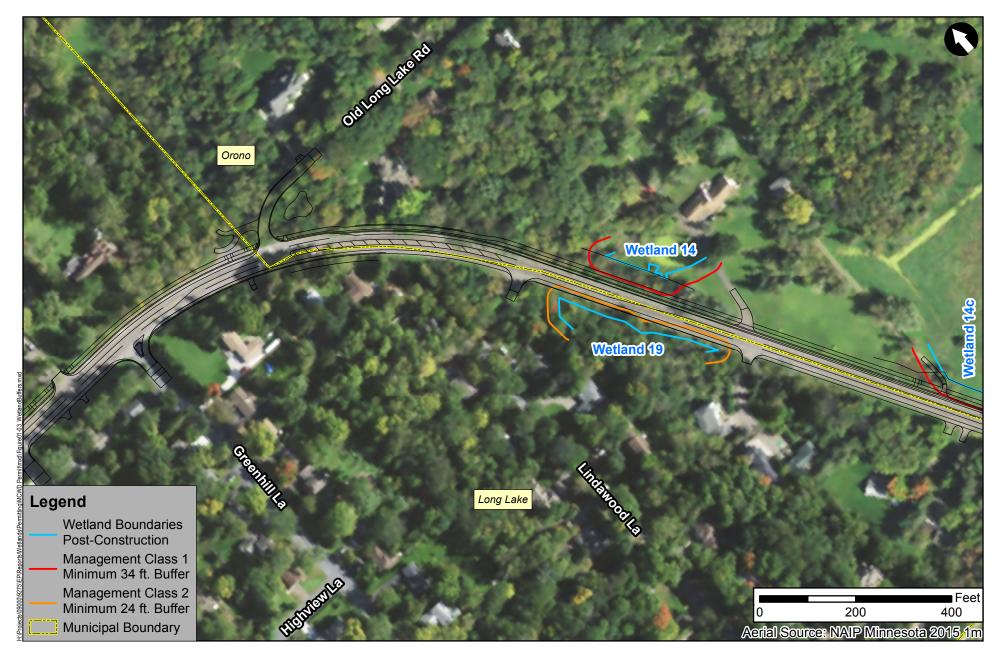




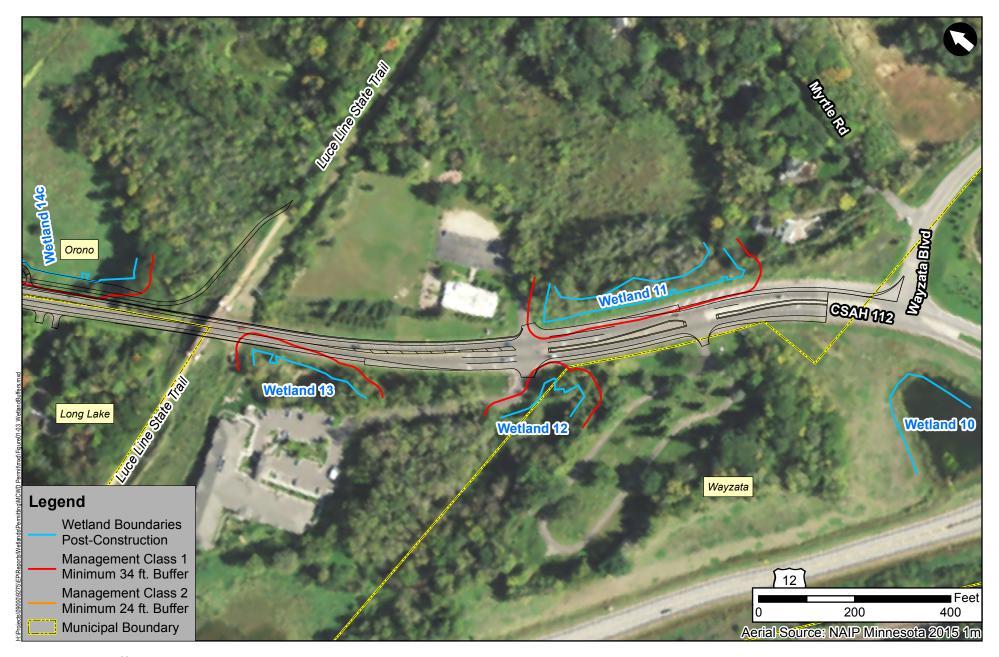




Wetland Buffers

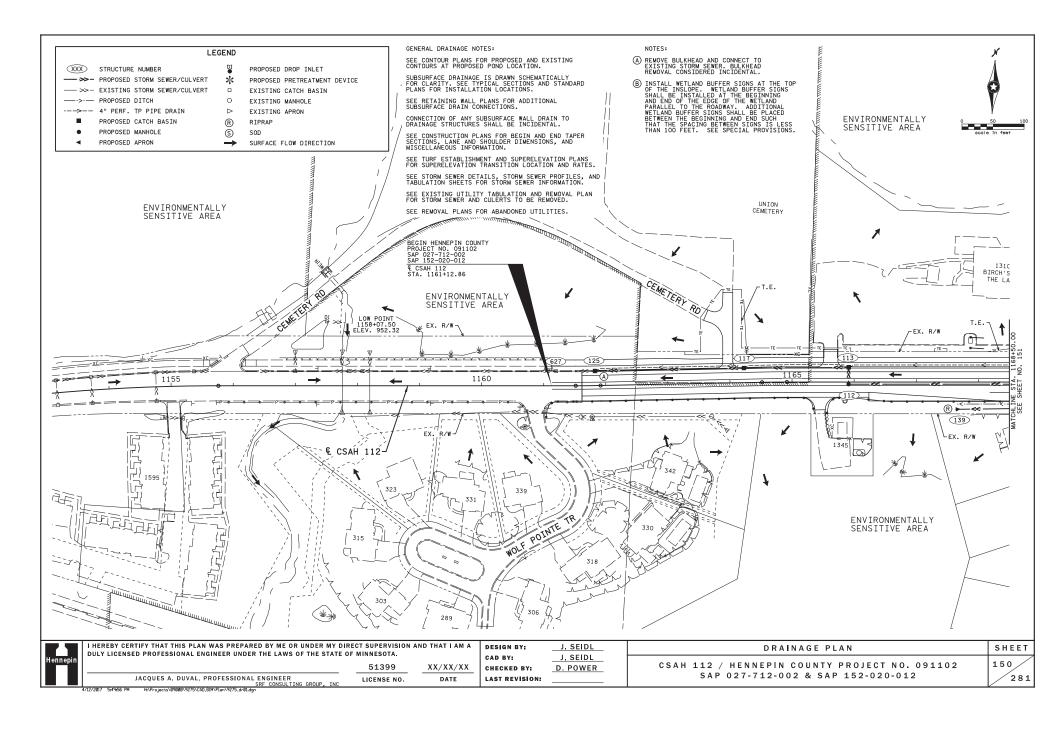


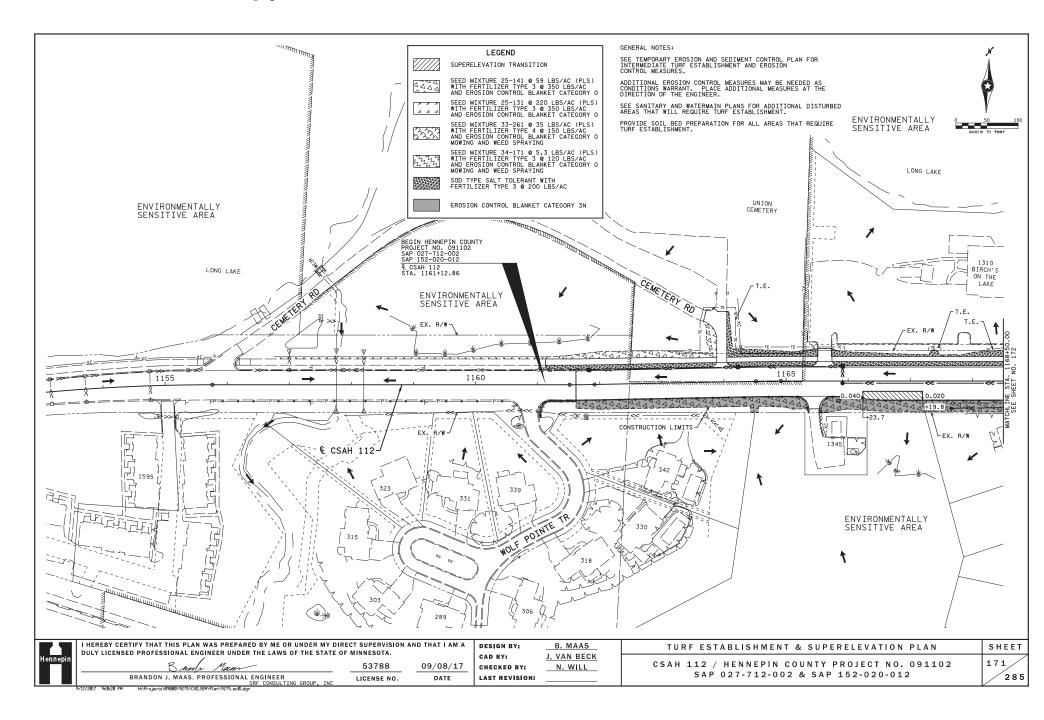
Wetland Buffers

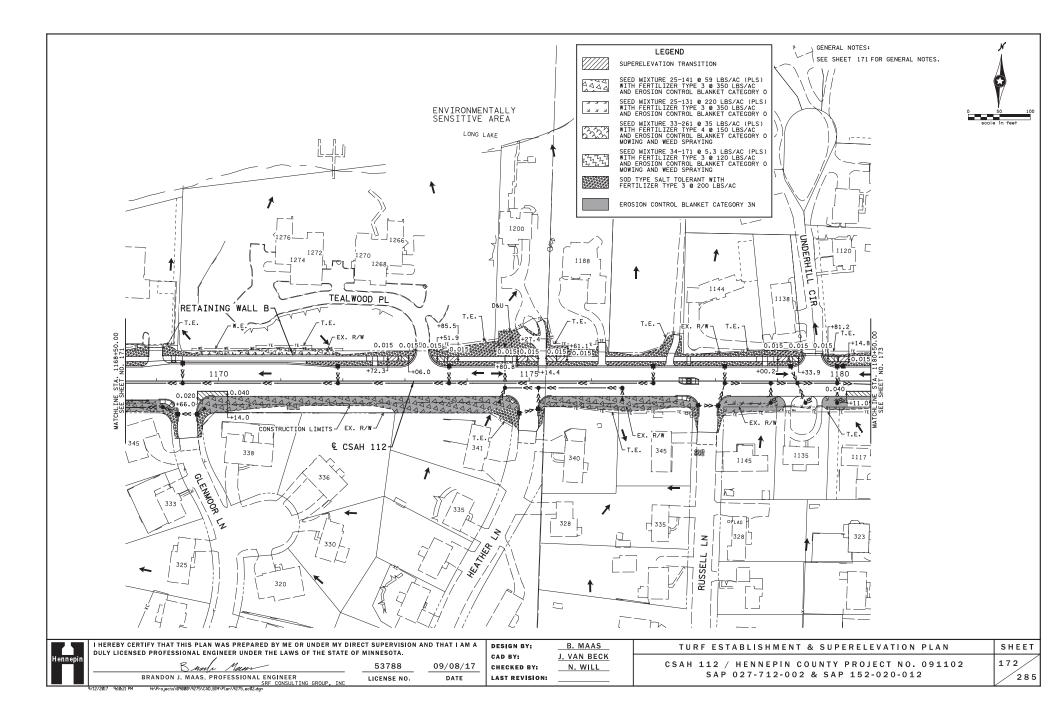


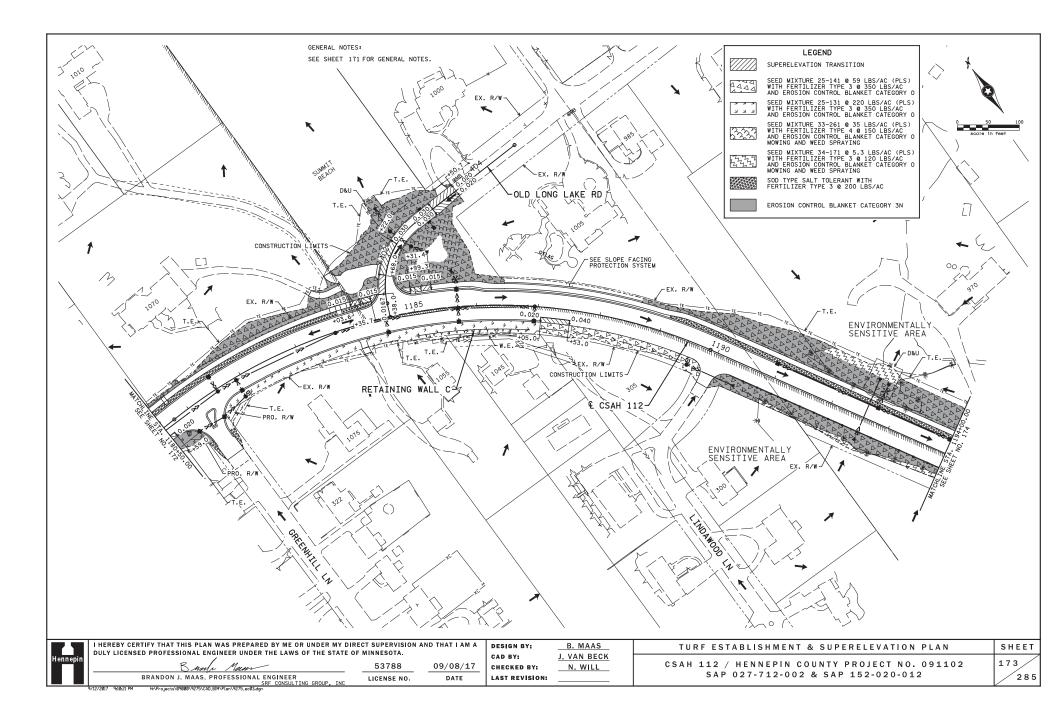
Wetland Buffers

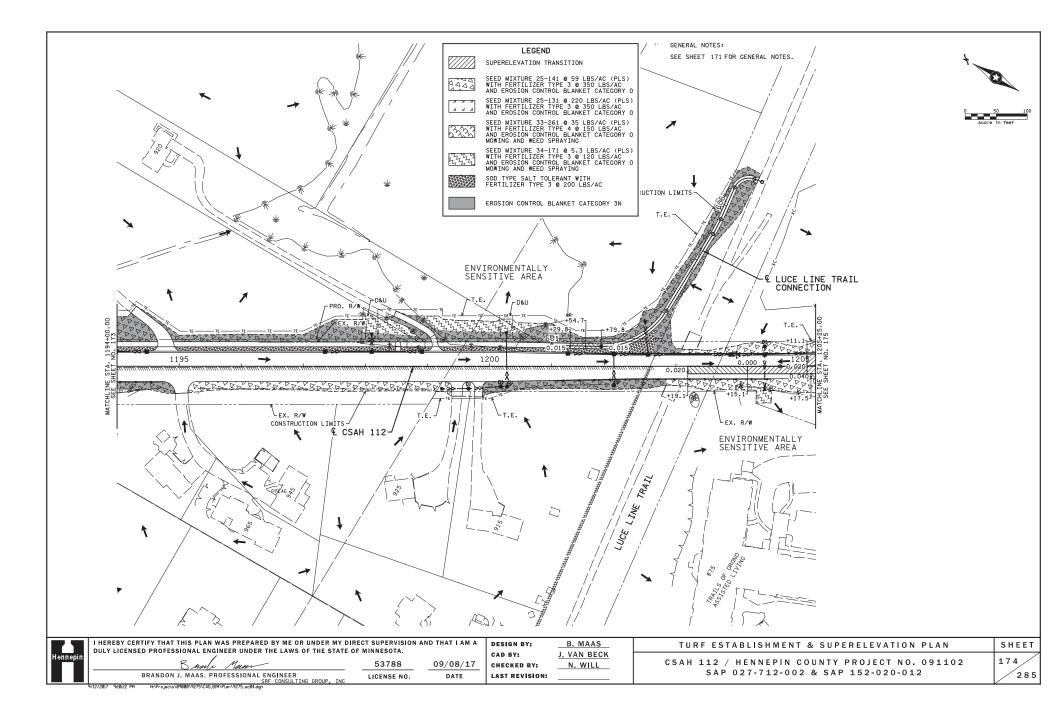
Attachment 11 - Wetland Buffer Monumentation Note

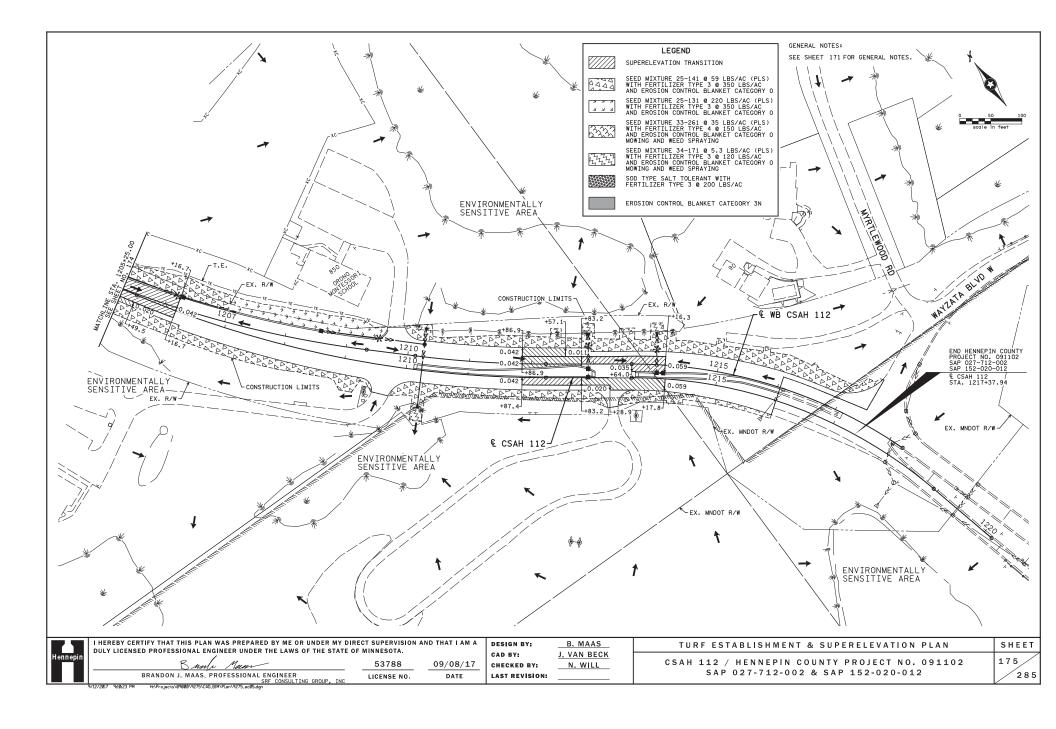












Attachment 13 - Drainage Plan (6 pages)

WATER RESOURCES NOTES

THE FOLLOWING NOTES GIVE INFORMATION ABOUT CRITICAL FEATURES AND ELEVATIONS FOR THE DRAINAGE ON THIS PROJECT:

1.CHANGING THE FLOW DIRECTION SHOWN ON THE PLANS COULD HAVE ADVERSE EFFECTS OFF THE PROJECT CORRIDOR. DIRECTION CHANGES SHOULD BE REVIEWED WITH THE HYDRAULICS ENGINEERS.

2.SPECIAL STRUCTURES INCLUDED IN THESE DRAINAGE PLANS:

STRUCTURE 262 (DESIGN SPECIAL 1) - OUTLET CONTROL STRUCTURE FOR LONG LAKE POND. THIS STRUCTURE PROVIDES PRETREATMENT OF STORMWATER RUNOFF VIA SEDIMENTATION. THE CAPACITY OF THE 6" ORIFACE IN COMBINATION WITH RECTANGULAR WEIR PROVIDES RATE CONTROL.

STRUCTURES 242, 329, 347, 357, 427, 402, 504, AND 514 (DESIGN SPECIAL 2) - WATER QUALITY BAFFLE. STEEL BAFFLE IN A SUMPED MANHOLE PROVIDES PRETREATMENT OF STORMWATER RUNOFF FROM THE PROPOSED PROJECT BEFORE DISCHARGING TO SURFACE WATERS.

3.PONDING AREAS (SEE THE DRAINAGE PLANS FOR LOCATIONS)

EXISTING CEMETERY DRY POND

BOTTOM = 944.5 FT, HWL = 947.3 FT

OUTLET ELEVATION IS CONTROLLED BY A PERFORATED PE PIPE. THIS POND PROVIDES WATER QUALITY TREATMENT VIA FILTRATION AND RATE CONTROL PRIOR TO DISCHARGING TO LONG LAKE CREEK.

LONG LAKE POND (WET POND)

BOTTOM = 980.0 FT, NWL = 983.5 FT, HWL = 987.1 FT

OUTLET ELEVATION IS CONTROLLED BY STRUCTURE 263 (DESIGN SPECIAL 1). THIS POND PROVIDES WATER QUALITY TREATMENT VIA SEDIMENTATION AND RATE CONTROL PRIOR TO DISCHARGING TO LONG LAKE CREEK.

4.ENVIRONMENTALLY SENSITIVE AREAS

AREAS MARKED "ENVIRONMENTALLY SENSITIVE AREAS" IN THIS PLAN ARE TO BE TREATED AS SUCH. BEST MANAGEMENT PRACTICES ARE TO BE USED FOR EROSION AND SEDIMENT CONTROL THROUGHOUT THE JOB SITE.

5. THE FOLLOWING CONSTRUCTION PERMITS APPLY:

U.S. CORPS OF ENGINEERS

WETLAND CONSERVATION ACT MINNEHAHA CREEK WATERSHED DISTRICT

PLEASE REFER TO THE PERMIT APPLICATION AND PERMITS FOR SPECIAL CONDITIONS.

6.NPDES PERMIT:

THE WESTBOUND DRIVING LANES SEGMENT BETWEEN E.B. CSAH 112 STATIONS 1161+13 AND 1177+00 WILL DRAIN THROUGH PROPOSED STORM SEWER BEFORE DISCHARGING TO THE EXISTING CEMETERY DRY POND.

THE EASTBOUND DRIVING LANES SEGMENT BETWEEN E.B. CSAH 112 STATIONS 1161+13 AND 1174+33 WILL DRAIN TO A ROADSIDE DITCH AND THROUGH PROPOSED STORM SEWER BEFORE DISCHARGING TO A WETLAND WEST OF GLENMOOR LANE. STORMWATER WILL BE TREATED VIA A WATER QUALITY BAFFLE BEFORE DISCHARGING TO THE WETLAND.

THE EASTBOUND DRIVING LANES SEGMENT BETWEEN E.B. CSAH 112 STATIONS 1174+33 AND 1177+52 WILL DRAIN TO A ROADSIDE DITCH AND THROUGH PROPOSED STORM SEWER BEFORE DISCHARGING TO AN EXISTING SWALE NORTH OF THE INTERSECTION WITH HEATHER LANE.

THE ROADWAY SEGMENT BETWEEN E.B. CSAH 112 STATIONS 1177+52 AND 1186+95 WILL DRAIN THROUGH PROPOSED STORM SEWER BEFORE DISCHARGING TO LONG LAKE POND.

THE EASTBOUND DRIVING LANES SEGMENT BETWEEN E.B. CSAH 112 STATIONS 1186+95 AND 1216+00 WILL DRAIN TO A ROADSIDE DITCH AND THROUGH PROPOSED STORM SEWER EVENTUALLY DISCHARGING TO NEARBY WESTLANDS WEST OF CSAH 112. STORMWATER WILL BE PRETEATED VIA A WATER QUALITY BAFFLE BEFORE DISCHARGING TO WETLANDS.

THE WESTBOUND DRIVING LANES SEGMENT BETWEEN E.B. CSAH 112 STATIONS 1186+95 AND 1216+00 WILL DRAIN THROUGH PROPOSED STORM SEWER BEFORE DISCHARGING TO NEARBY WETLANDS EAST OF CSAH 112. STORMWATER WILL BE PRETREATED VIA A WATER QUALITY BAFFLE BEFORE DISCHARING TO WETLANDS.

7.EXISTING STORM SEWER REMOVAL:

IT IS THE INTENT OF THE DRAINAGE DESIGN TO FACILITATE REMOVAL OF THE MAJORITY OF EXISTING STORM SEWER UNDER NEW PAVEMENT AS SHOWN IN THE REMOVALS TABULATION.

CONNECT STRUCTURE 125 TO THE EXISTING PIPE STUB OUT FROM STRUCTURE 627. REMOVE EXISTING PIPE BULK HEAD PRIOR TO CONNECTION.

ı	Hennepin			

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 MINNESOTA.

JACQUES A. DUVAL, PROFESSIONAL ENGINEER

51399 09/08/17 CHECKED BY: LAST REVISION:

D. POWER D. POWER J. DUVAL WATER RESOURCES NOTES

CSAH 112 / HENNEPIN COUNTY PROJECT NO. 091102 SAP 027-712-002 & SAP 152-020-012

SHEET 153 285

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