

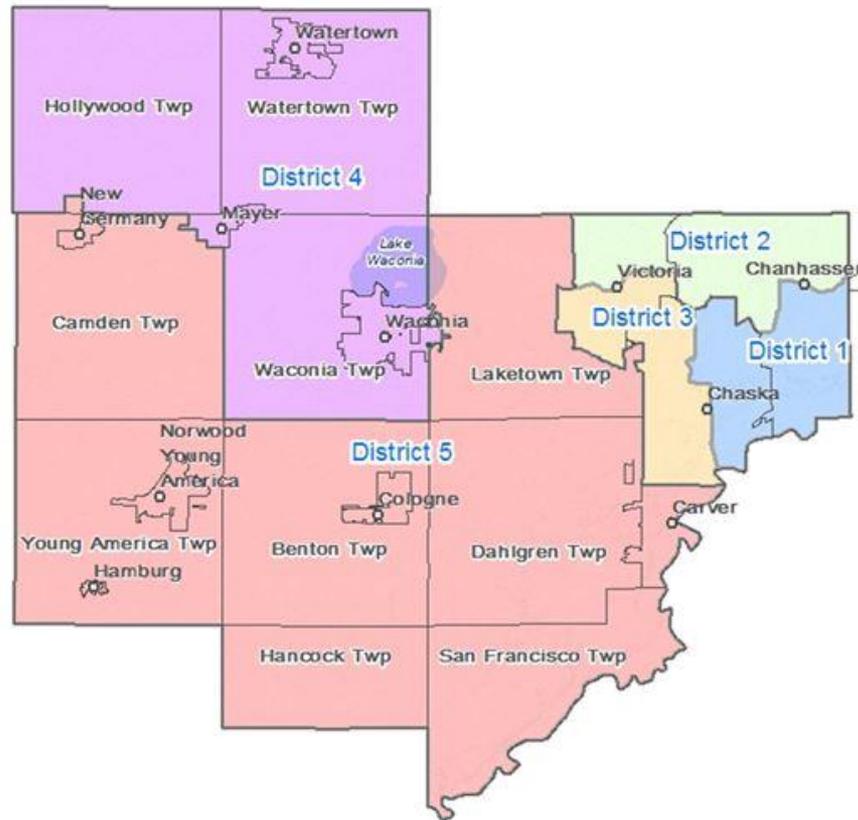
Carver SWCD

2019 Year in Review

What is the SWCD?

- Soil & Water Conservation Districts are a political subdivision of the state – MN Statute 103C.
- SWCD's are in almost every County in the State (and the Nation) – minus Hennepin & Ramsey
- Originally formed following the Dust Bowl to be an agency that works with private landowners on natural resources conservation.
- Elected Board of Supervisors
- DO NOT have taxing authority – We work with partner agencies!

Carver SWCD Board of Supervisors



ELECTION YEARS

District 1: 2018 – 2022

District 2: 2020 – 2024

District 3: 2018 – 2022

District 4: 2020 – 2024

District 5: 2018 – 2022

CURRENT BOARD SUPERVISOR

Stan Wendland

Marcus Zbinden

Mark Zabel

Bob Burandt

Jeff Sons

Staff



Mike Wanous
*District
Manager*



Felicia Brockoff
*Administrative
and Finance
Specialist*



Ben Datres
*Farm Bill
Technician*



Aaron Finke
*District
Technician*



Chip Hentges
*Conservation
Technician*



Terry Meiller
*Resource
Conservationist*



Seth Ristow
*Resource
Conservation
Technician*

2019 accomplishments

- Implementation can be broken down into 2 main categories
 - 1) Ag programs
 - 2) Urban programs
- (MN Wetland Conservation Act – covers both)

Ag program – 2019 report

- Best Management Practices (BMPs)
 - Installed 4 grassed waterways
 - With a combined total of 3,993 feet
 - Installed 3 WASCOB's – water and sediment control basins
 - Sold 8,725 trees to 128 landowners
 - Rented out our Great Plains Drill to 12 landowners for seeding 158 acres
 - Wrote prescribed burns for 305 acres of native prairie
 - 4 landowners participated in new cover crop program
 - 224 acres of restored wetland & upland native vegetation through CREP
 - 2 additional CREP applications accepted for 67 acres
 - TONS of tech assistance during the wettest year on record

Grassed waterways

stabilize areas of concentrated flow with
perennial vegetation



Grassed Waterway (design)



WASCOB

Temporarily stores water, sediment drops out,
water slowly released through pipe/tile line



New - Great Plains no-till drill

Rented to 12 landowners – used on 158 acres
Can be used to seed native grasses & forbes, no-till cool season grasses, and no-till soybeans



Wetland restorations

CREP program - combines 15 years of CRP payment and one large lump sum RIM payment

- 152 acres restored (62 acres of wetland, 90 acres of upland)



Wetland Restorations

- Photo showing removal of lift pumps
- These are expensive because of the easement payment to the landowner, could not do with WMO funds alone, need the federal/state money
- Total costs – \$1,521,890 (\$1,342,500 easement payments, \$144,179 construction costs, \$35,211 seeding costs)





Looking North
Hwy 25



Looking South
Hwy 25

Wetland restorations



Wetland restorations

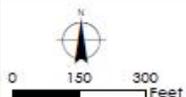
Lake Waconia – Sod Farm (2011) RIM/WRP



Wetland restoration

Wetland banking site (2014) Drains to Reitz Lake





The map was created using Carver County's Geographic Information Systems (GIS). It is a compilation of information available from various City, County, State, and Federal sources. This map is not a survey and is not a legally recorded map and is not intended to be used as such.

Legend

- Conservation Easement
- Trail
- Existing Ditch
- Wet Meadow
- Marsh
- Upland Buffer

Figure 9. Proposed Vegetation Communities

Watertown Wetland Bank

Watertown, Carver County, Minnesota

Buffer Law – 103F.48

- 50' average buffer on public waters (30' min.)
- 16.5' buffer on public ditches
- 3,725 parcels in Carver County that border a PW or PD
- 12 parcels are still working toward compliance
- 4 parcels have been turned over to the state for enforcement



Soil Health/Cover Crop program

Provides cost share and incentives to landowners that leave a cover crop over the winter – larger incentive for doing this on the same acreage for 3 consecutive years



Wetland Compliance! Both Ag & Urban

- Wetland Conservation Act (WCA) compliance
 - TEP member – 60 meetings or reviews
 - 6 restoration orders on wetland violation sites
 - Restorations completed on 3 previous violations
 - We provide technical assistance to the WMO



Urban Conservation program – 2019

- **54 - Plan Reviews (compliance with water rules)**
- **133 - Construction Site Erosion and Sediment Control Inspections**
- **21 – Inspected Stormwater Treatment Installations**
- **2 - Violations that required enforcement to comply with Water Rules**

Construction Site Erosion & Sediment Controls (CSESC)



Inspections result in proper installation



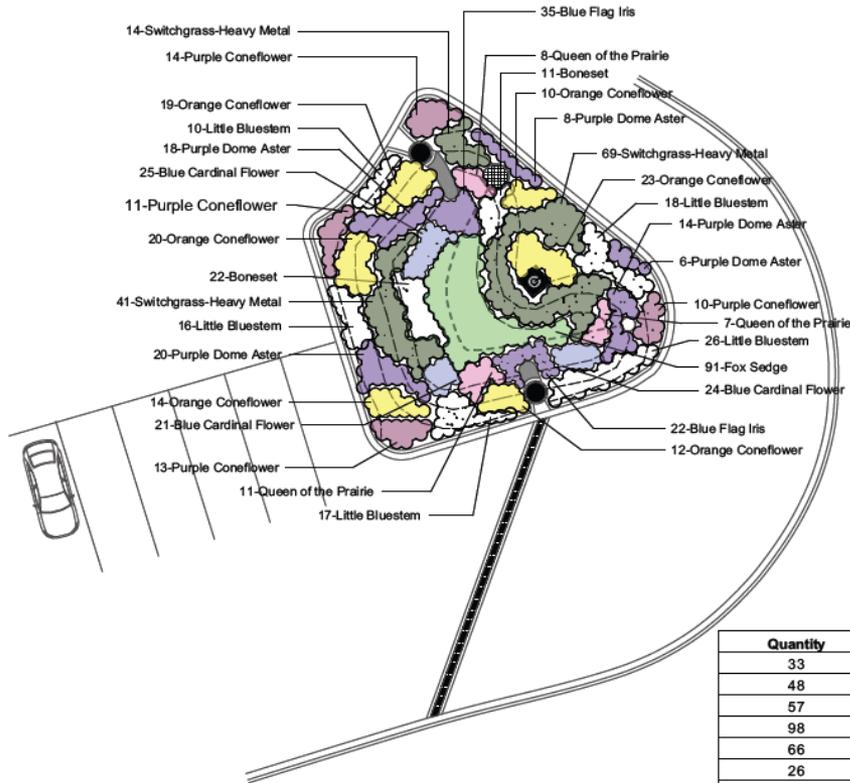
A filtration bench installed along a storm water pond.
As the pond fills up, water seeps onto the bench, through the sand media and out via a tile line.

Urban BMP TA and designs

We provide technical assistance to WMO, RPBCWD, and LMRWD for their cost-share programs:

- Conducted 73 site visits (15 in WMO)
- Designed 15 projects (8 in WMO)
- Installed 19 projects (5 in WMO)

Urban BMP designs



Quantity	Latin Name	Common Name
33	<i>Eupatorium perfoliatum</i>	Boneset
48	<i>Echinacea purpurea</i>	Purple Coneflower
57	<i>Iris versicolor</i>	Blue Flag Iris
98	<i>Rudbeckia fulgida</i>	Orange Coneflower
66	<i>Aster novae-angliae</i> 'Purple Dome'	Purple Dome Aster
26	<i>Filipendula rubra</i>	Queen of the Prairie
87	<i>Schizachyrium scoparium</i>	Little Bluestem
70	<i>Lobelia siphilitica</i>	Blue Cardinal Flower
91	<i>Carex vulpinoidea</i>	Fox Sedge
124	<i>Panicum virgatum</i> 'Heavy Metal'	Switchgrass-Heavy Metal



Carver Soil & Water Conservation District

11360 HWY. 212, #6
COLOGNE, MN 55322

PROJECT: KC Phase II

LOCATION:

AGENCY:



DESIGNER:
DATE: 9/27/2017
REVISION: 8/14/2018
REVISION:
CHECKED BY:

NOTES:

*CALL GOPHER 1 PRIOR TO EXCAVATION
*SITE VERIFY ELEVATIONS
*CALL CARVER SWCD WITH QUESTIONS

SCALE: 1/16"=1'

KC CENTER II

L1.0

BMP design (perspective)

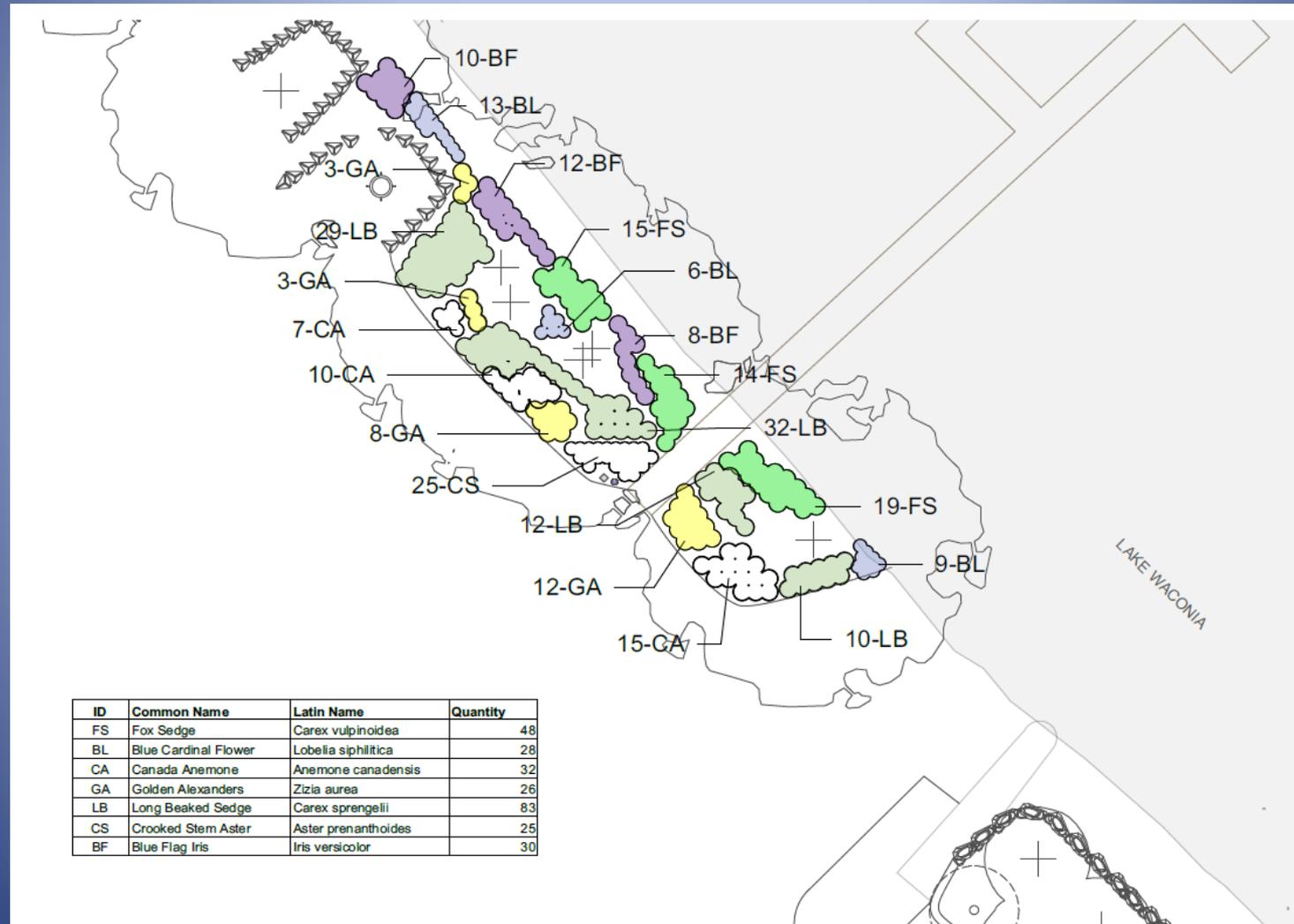


Kindergarten Center - Proposed Raingarden Retrofit

Raingarden/Biofiltration Basin:
Vol - 1,580 CF
Treats - 0.87 Acres Impervious Surface



Shoreline planting (design)



Shoreline planting (installed)



SWCD Pollinator Program

- Started a new pollinator cost-share program in 2019
- Provides cost-share for replacing turf grass with pollinator habitat
- Designed and assisted with installation of 3 projects
- Conducted 31 site visits (some are still deciding if they want to move ahead)

Other services

- Provide drainage ditch inspections for all public drainage systems in the County
- Host education events (Envirothon, classroom presentations)
- Provide assistance to other county departments (Parks – native vegetation assistance; Environmental Services – feedlot pollution fixes)

Thanks for the partnership!

