

It is expected that a Quorum of the Personnel Committee, Board of Public Works, Plan Commission and Administration Committee will be attending this meeting: (although it is not expected that any official action of any of those bodies will be taken)

**CITY OF MENASHA
SUSTAINABILITY BOARD
100 Main Street, Menasha**

Room 207

January 20, 2020

3:30PM

AGENDA

- A. CALL TO ORDER
- B. ROLL CALL/EXCUSED ABSENCES
- C. PUBLIC COMMENTS ON ANY MATTER OF CONCERN TO THE SUSTAINABILITY BOARD
(five (5) minute time limit for each person)
- D. MINUTES TO APPROVE
 - 1. October 30, 2019
- E. COMMUNICATIONS
- F. REPORTS
- G. ACTION ITEMS
- H. DISCUSSION
 - 1. City of Menasha Energy Usage
 - a. DPW Baldwin Street Facility
 - b. Hybrid Police Interceptor
 - 2. Waste Management
 - 3. 2020 Electronics Recycling Events
 - a. May 16th, 2020 and October 3rd, 2020
 - 4. Livable Communities
 - a. 2020 Earth Day event and funding
 - b. 2020 Forestry plantings
 - c. Stormwater educational opportunity
 - d. Tree Campus K-12
<https://www.arborday.org/programs/tree-campus-k-12/>
 - 5. Menasha Farm Fresh Market
 - 6. Transportation
 - a. Nature's Way Trail
 - b. Bike and Ped Plan
 - c. CORP Plan
 - 7. Website
 - 8. Member Recruitment
- I. ADJOURNMENT

**CITY OF MENASHA
SUSTAINABILITY BOARD
100 Main Street, Menasha
Room 207**

October 30, 2019

Draft Minutes

A. CALL TO ORDER

Meeting called to order by Kathy Thunes at 2:05 p.m.

B. ROLL CALL/EXCUSED ABSENCES

Present: Roger Kanitz, Kathy Thunes, Ronnie Kasperek

Also Present: Donald Merkes, Joe Stephenson

C. PUBLIC COMMENTS ON ANY MATTER OF CONCERN TO THE SUSTAINABILITY BOARD

(five (5) minute time limit for each person)

No one spoke

D. MINUTES TO APPROVE

1. Sustainability Board minutes, 9/24/2019

Motion made by Kathy Thunes and seconded by Ronnie Kasperek to approve the minutes of the September 24th 2019, meeting. Motion carried.

E. COMMUNICATIONS

Options for a utility scale hydroelectric facility in Menasha were explored by WPPI at the request of the Common Council. A short report was returned regarding previous private sector plans for a facility that were abandoned due to economics. WPPI can currently purchase hydro electric at a lower price that could be secured by building hydro capacity in Menasha.

Gappers network will be meeting at ECWRPC this Thursday

F. REPORTS

None

G. DISCUSSION ITEMS

1. City of Menasha Energy Usage

Public works facility has been delayed however the City still intends to reapply for grants for solar project as part of PWF building project.

Met with focus on energy to explore potential incentives and grants to make electric vehicles cost effective for the City.

Motion to recommend to the Common Council A Resolution for a continued commitment of a municipal-wide energy policy by Kathy Thunes, second by Roger Kanitz.

Discussion noting that the City has reduced its electric consumption by approx 30% based upon projects from 2009-2018. This resolution sets a goal of an additional 5% over the next 5 years and open grant funding opportunities to do so.

Motion carries

2. Electronics Recycling Events

Reviewed results from fall event, collections were average compared to previous years. Board would like to lock in 2020 dates as well as look for sponsors.

3. Livable Communities

Station 36 stormwater education and planting is in 2020 budget

Work on ECWRPC raingarden continues

Members will share energy efficiency incentive opportunities for Community Development to share with applicants of the Strong Neighborhood Program in 2020.

Applied for ATC forestry grant

Two local nurseries are interested in pop up forest concept

4. Menasha Farm Fresh Market

Looking toward 2020 options to refresh and expand market

5. Transportation

Valley Transit strategic plan envisions increased frequency in Menasha to ½ hour compared to the 1 hour currently. No funding source identified at this time.

H. ADJOURNMENT

Motion made by Kathy Thunes and seconded by Roger Kanitz to adjourn at 3:00 p.m.

Motion carried.

Minutes submitted by DJM

Don Merkes

From: Matthew Albrecht
Sent: Wednesday, January 15, 2020 5:47 PM
To: Don Merkes
Subject: Squad Hybrid Projections
Attachments: Hybrid Projections.pdf

Don,

Attached are the projected savings for the Ford Utility Interceptor Hybrid. This was compiled using Ford's online calculator. The numbers entered are for 1 vehicle based on our fleets average miles, hours, and shifts. If we continue to add them to the fleet, those yearly savings can be multiplied. The goal is to have this on the road in full service by late summer/early fall. I hope to provide our actual numbers regarding the savings at the budget hearing for 2021. We should hopefully have a few months of use under our belt and numbers to crunch.

Here is the link to the online calculator:

<https://www.ford.com/police-vehicles/police-interceptor/hybrid-utility/calculator/>

If you have any questions, please let me know.

Thanks,
Matt



POLICE INTERCEPTOR®

Ford Police Interceptor® Utility

The Ford Police Interceptor® Utility could potentially provide a positive impact on your fleet, your community and your budget. Here's how the numbers break down:

Number of Vehicles	1
Miles/Vehicle Per Year	14,225
Shifts Per Day	2
Idle Hours Per Shift	3.00
Your Fuel Cost Per Gallon	\$2.45

	Per Vehicle	Total Fleet
Per Vehicle Total Fleet Gallons of Fuel Saved*	815	815
Fuel Cost Savings*	\$1,997	\$1,997
Pounds of CO ₂ Saved*	14,409 lbs	14,409 lbs

* Potential Savings

FORD POLICE INTERCEPTOR® UTILITY CONCEPT.
POTENTIAL SAVINGS CALCULATED AS OF JUNE 12TH 2018.

Important Information Regarding How These Numbers Are Determined

Entering any unrealistic combination of data will negatively impact the accuracy of results shown.

1. EPA-estimated Combined rating of 24 mpg, Interceptor Utility Standard HEV AWD. Actual mileage will vary.
2. EPA-estimated Combined rating of 17 mpg, 3.7L Interceptor Utility AWD with unleaded gas. Actual mileage will vary.
3. Idle duration data collected with the assistance of Dearborn Police Department and Massachusetts State Police, April 2012–November 2013. Data collected on a total of six vehicles in police patrol use.
4. Idle fuel consumption estimates are based on fuel flow measurements taken during two hours of continuous idling. Vehicles were driven for 18 miles at highway speeds prior to idling. Idle testing was conducted in an indoor facility at 73 degrees F. The following vehicle accessories were activated during the test: climate control AC, set to full cool condition and the vehicle audio system, set to 30 percent of maximum volume. An electrical power draw load box drawing 32 amps was also connected to each vehicle's 12-volt battery to simulate the following estimated police accessory loads: emergency lights (est. 25 amps); laptop computer (est. 3 amps); police radio (est. 4 amps) Additional testing details are available at <https://ford.to/2H9qBEf> (<https://ford.to/2H9qBEf>) (<https://ford.to/2H9qBEf>).
5. Burning a gallon of E10 ethanol fuel produces about 17.68 pounds of CO₂ emitted from the fossil fuel content, according to data provided by the U.S. Energy Information Administration (<http://ford.to/elareport>) (<http://ford.to/elareport>)).

California Residents

CITY OF MENASHA 2020 OPERATIONS BUDGET				FUND	BUDGET NAME	PREPARED BY
				General Fund	Forestry	Brian Tungate
				FUNCTION	BUDGET NUMBER	DATE
				Conservation and Devel	100-0706-561	10/10/2019

RESPONSIBILITIES

Manage the City's urban forest.

SERVICES PROVIDED

2019 ACCOMPLISHMENTS

- Recognized by National Arbor Day Foundation as a Tree City, USA for the 36th consecutive year
- Terrace tree planting program conducted in Districts 3 & 4 and 5 & 6
- Removed approximately 80 ash trees in fair/poor condition
- Removed approximately 80 tree stumps
- Planted over 200 terrace and park trees
- Began treating approximately 60 large ash trees in good condition and desired locations

2020 OBJECTIVES

- Pursue annual Tree City, USA designation
- Emerald Ash Borer management plan - remove approximately 40 fair/poor condition ash trees. Consider chemically treating some ash trees if proven to be cost effective.
- Residential terrace tree planting in Districts 5 & 6
- Continue tree replacement planting Districts 3 & 4 (some removals expected in 5 & 6 later in the year)
- Continue collaborations with UW-Fox Valley and Menasha Utilities
- Accept a \$5,000 ATC grant for planting along the new LP trail
- Continue goal of planting approximately 125 terrace and park trees per year (majority along LP)

(625-0706-561.10-01)

Note that .30 of Arborist position is in Stormwater-Forestry

MAJOR CHANGES FROM 2019 BUDGET

FUNDING SOURCES	2019 FUNDING	2020 FUNDING	POSITION TITLE	2019 # OF FTE'S	2020 # OF FTE'S
TAXES	\$0.00	\$0.00	Arborist	0.40	0.45
SPECIAL ASSESSMENTS	\$0.00	\$0.00	Park Laborer(new)	0.00	0.50
INTERGOV REVENUE	\$0.00	\$0.00	Park Lead	0.10	0.10
LICENSES & PERMITS	\$0.00	\$0.00			
FINES & FORFEITS	\$0.00	\$0.00			
PUBLIC CHARGES	\$0.00	\$0.00			
MISCELLANEOUS	\$0.00	\$0.00			
TOTAL	\$0.00	\$0.00	TOTAL	0.50	1.05

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	2018 ACTUAL	2019 ADJUSTED BUDGET	2019 YEAR TO DATE ACTUAL	2019 YEAR END PROJECTION	2020 DEPARTMENT REQUEST
General Fund						
Forestry						
100-0706-561.10-01	Wages	27,489	49,706	27,724	45,150	49,541
100-0706-561.10-03	Overtime/Doubletime	553	300	184	300	300
100-0706-561.10-08	Wages-Temp Help	1,341	0	44	44	0
100-0706-561.15-01	Health	6,745	17,753	6,849	10,822	14,948
100-0706-561.15-02	Life	13	46	26	45	143
100-0706-561.15-03	Dental	510	1,146	426	675	707
100-0706-561.15-04	Retirement	1,926	3,256	1,834	2,991	3,364
100-0706-561.15-05	FICA	2,161	3,658	2,062	3,366	3,590
100-0706-561.15-07	Vision	23	129	48	77	115
100-0706-561.15-08	Workers Comp	625	1,884	1,040	1,696	1,570
100-0706-561.15-10	Banked Sick Leave	0	425	104	425	428
100-0706-561.19-03	Uniform/Clothing Allow	135	315	108	315	255
100-0706-561.20-06	Lawn Care	1,105	1,000	1,000	1,000	1,000
TOTAL						
LARGE TREE TRIMMING		32,361	40,000	38,291	40,000	40,000
Vehicle/Equipment Rental		2,106	2,469	1,235	2,469	2,460
Inhouse Info Tech Service		24	2,100	2,016	2,100	2,000
Tools & Equipment		1,282	2,500	841	1,500	1,500
TOTAL						
TREES		45	100	275	275	275
Dues/Memberships/Licenses		426	1,000	0	500	500
Registrations		288	300	0	250	250
Lodging/Meals						
Forestry		79,158	128,087	84,107	114,000	122,946
General Fund						
TOTAL		79,158	128,087	84,107	114,000	122,946

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	2018 ACTUAL	2019 ADJUSTED BUDGET	2019 YEAR TO DATE ACTUAL	2019 YEAR END PROJECTION	2020 DEPARTMENT REQUEST
492-0411-591.25-02	Other Municipal Funds	0	0	0	0	201,896
*	Transfer to Debt Service	0	0	0	0	201,896
Trans to General Fund						
492-0412-591.25-02	Other Municipal Funds	35,157	35,157	35,532	35,532	38,532
*	Trans to General Fund	35,157	35,157	35,532	35,532	38,532
Engineering						
492-1002-541.10-01	Wages	11,104	25,337	21,248	25,500	11,874
492-1002-541.10-02	Salaries	4,744	4,929	3,744	4,705	3,929
492-1002-541.10-03	Overtime/Doubletime	250	0	436	450	0
492-1002-541.15-01	Health	3,005	5,541	3,561	4,745	4,998
492-1002-541.15-02	Life	46	118	57	89	66
492-1002-541.15-03	Dental	270	480	319	450	248
492-1002-541.15-04	Retirement	1,077	1,982	1,446	1,895	1,065
492-1002-541.15-05	FICA	1,179	2,235	1,684	2,160	1,185
492-1002-541.15-07	Vision	22	36	30	42	39
492-1002-541.15-08	Workers Comp	435	1,067	773	1,025	313
492-1002-541.15-10	Banked Sick Leave	0	301	121	301	137
492-1002-541.19-03	Uniform/Clothing Allow	7	15	0	15	0
492-1002-541.29-05	Vehicle/Equipment Rental	0	0	0	0	2,000
*	Engineering	22,139	42,041	33,419	41,377	25,854
Street Construction						
492-1003-541.10-01	Wages	7,140	4,376	2,188	2,200	0
492-1003-541.10-08	Wages Temp Help	0	0	676	700	0
492-1003-541.15-01	Health	1,818	1,089	851	900	0
492-1003-541.15-02	Life	21	3	4	7	0
492-1003-541.15-03	Dental	134	105	51	55	0
492-1003-541.15-04	Retirement	480	287	142	145	0
492-1003-541.15-05	FICA	523	311	211	215	0
492-1003-541.15-07	Vision	15	9	6	8	0
492-1003-541.15-08	Workers Comp	257	166	108	115	0
492-1003-541.15-10	Banked Sick Leave	0	43	25	22	0
492-1003-541.21-02	Engineering	0	118	65	100	0
492-1003-541.29-05	Vehicle/Equipment Rental	8,703	1,800	2,789	3,950	0
492-1003-541.30-18	Department	1,254	12,000	12,000	12,000	12,000

LEVEL	TEXT	TEXT AMT
TOTB	TREES	12,000
		12,000

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	2018 ACTUAL	2019 ADJUSTED BUDGET	2019 YEAR TO DATE ACTUAL	2019 YEAR END PROJECTION	2020 DEPARTMENT REQUEST
492-1003-541.82-02 Construction		31,839	352,915	216,640	352,000	0
* Street Construction		52,184	373,222	235,753	372,420	12,000
	Sidewalks and Crosswalks					
492-1009-541.10-01 Wages		504	4,376	235	330	0
492-1009-541.10-08 Wages-Temp Help		74	0	0	0	0
492-1009-541.15-01 Health		62	1,089	49	70	0
492-1009-541.15-02 Life		0	4	0	1	0
492-1009-541.15-03 Dental		4	105	5	8	0
492-1009-541.15-04 Retirement		34	287	14	20	0
492-1009-541.15-05 FICA		43	311	16	22	0
492-1009-541.15-07 Vision		0	9	0	0	0
492-1009-541.15-08 Workers Comp		18	166	8	10	0
492-1009-541.15-10 Banked Sick Leave		0	43	3	3	0
492-1009-541.29-05 Vehicle/Equipment Rental		318	1,800	1,535	1,535	0
492-1009-541.30-18 Department		0	650	0	0	0
492-1009-541.82-02 Construction		131,699	53,504	0	53,504	10,000
* Sidewalks and Crosswalks		132,756	62,344	1,865	55,503	10,000
	Street Lighting					
492-1012-541.82-02 Construction		0	25,000	0	0	0
* Street Lighting		0	25,000	0	0	0
** TIF Project 12		938,870	1,375,187	796,303	1,267,654	1,076,134

 PROJECT LIMITS

 OUTCROPPING STONE

 LAWN RESTORATION AREA

 BIORETENTION PLANTING

 3"-6" STONE MULCH

 1" STONE MULCH

Symbol	Botanical name	Common Name	Size/Root	Quantity
TREES				
GD	Gymnocladus dioica 'Espresso'	Kentucky Coffeetree	2.0" Cal-B&B	6
QB	Quercus bicolor	Swamp White Oak	2.0" Cal-B&B	4
PT	Populus tremuloides (Single Stem)	Quaking Aspen	2.0" Cal-B&B	4
SHRUBS				
Cs	Cornus stolonifera 'Farrow'	Arctic Fire Dogwood	#3 Cont.	21
Sc	Sambucus canadensis	Elberberry	#3 Cont.	6

BIORETENTION AREA PLUGS				
al	<i>Aster laevis</i>	Smooth aster	2" Dia. Plug	138
pv	<i>Panicum virgatum</i>	Switchgrass	2" Dia. Plug	215
cv	<i>Carex vulpinoidea</i>	Fox Sedge	2" Dia. Plug	214
sn	<i>Sorghastrum nutans</i>	Indian Grass	2" Dia. Plug	215
rh	<i>Rudbeckia</i>	Cardinal Flower	2" Dia. Plug	138

1. ALL PLUGS TO BE SPACED 18" O.C.
2. BIORETENTION PLANTINGS: ALL FORB SPECIES SHALL BE GROUPED IN CLUSTERS OF 6-8 PLUGS OF LIKE SPECIES AND GRASS/SEDGES CLUSTERS OF 8-12, AS DIAGRAMED IN ENLARGEMENT 1.

Diagram illustrating a quadrat containing three species:

- FORB SPECIES 1 (represented by star-like shapes)
- GRASS SPECIES (represented by circles with a central dot)
- FORB SPECIES 2 (represented by star-like shapes with a central dot)

ENLARGEMENT 1

1. CONTRACTOR SHALL MEET EXISTING GRADE AT PROJECT LIMITS WITH A SMOOTH AND CONTINUOUS TRANSITION.
2. SEED/SOIL PLACEMENT SHALL EXTEND TO THE LIMITS OF CONSTRUCTION DISTURBANCE.
3. ALL DISTURBED AREAS WITHIN THE PROJECT LIMIT LINE SHALL BE RESTORED WITH A MINIMUM OF 6" TOPSOIL. SEED MIXES SHALL BE AS SHOWN. CONTRACTOR MAY NEED TO WATER RESTORED AREAS TO ENSURE A SUBSTANTIAL CATCH OF TURF GRASS. WATERING SHALL BE INCIDENTAL.
4. ALL SLOPES GREATER THAN 1:3 TO RECEIVE EROSION CONTROL MATTING SEE DETAIL 10/C7.0.

- CONTRACTOR TO USE WSDOT MIX #40 AT A RATE OF 3.0 LBS/1000 SF
- CONTRACTOR TO USE ANNUAL SEEDING AT A RATE OF 2.0 LBS/1000 SF
- CONTRACTOR TO APPLY FERTILIZER AT A RATE OF 2 LBS/1000 SF

- AFTER SEPTEMBER 15TH, A COOL WEATHER SEEDING COVER CROP MUST BE APPLIED (I.E. OATS)
- AFTER OCTOBER 15TH, A DORMANT SEEDING COVER CROP MUST BE APPLIED (I.E. WINTER WHEAT)
- AFTER NOVEMBER 15TH, A DORMANT SEEDING MUST BE APPLIED WITH AN ACCEPTABLE SOIL STABILIZER (POLYACRYLIMIDE)

1. MAKE MINOR ADJUSTMENTS TO TREE LOCATIONS TO AVOID OBSTACLES.
2. ALL DISTURBED AREAS SHALL BE LAWN UNLESS OTHERWISE INDICATED. LAWN SHALL BE SEED UNLESS OTHERWISE NOTED.
3. SEE DETAIL SHEET C603 FOR LANDSCAPE DETAILS.

1000 KONE MAC ST

AREA TO RECEIVE TOPSOIL,
FINE GRADING,
AND RESTORED
TO TURF

ASPHALT
PARKING
LOT

MATCHLINE - SEE 1/C500

MATCHLINE - SEE 2/C500

KONEMAST

AREA TO
RECEIVE TOPSOIL,
FINE GRADING,
AND RESTORED
TO TURF

ASPHALT
PARKING
LOT

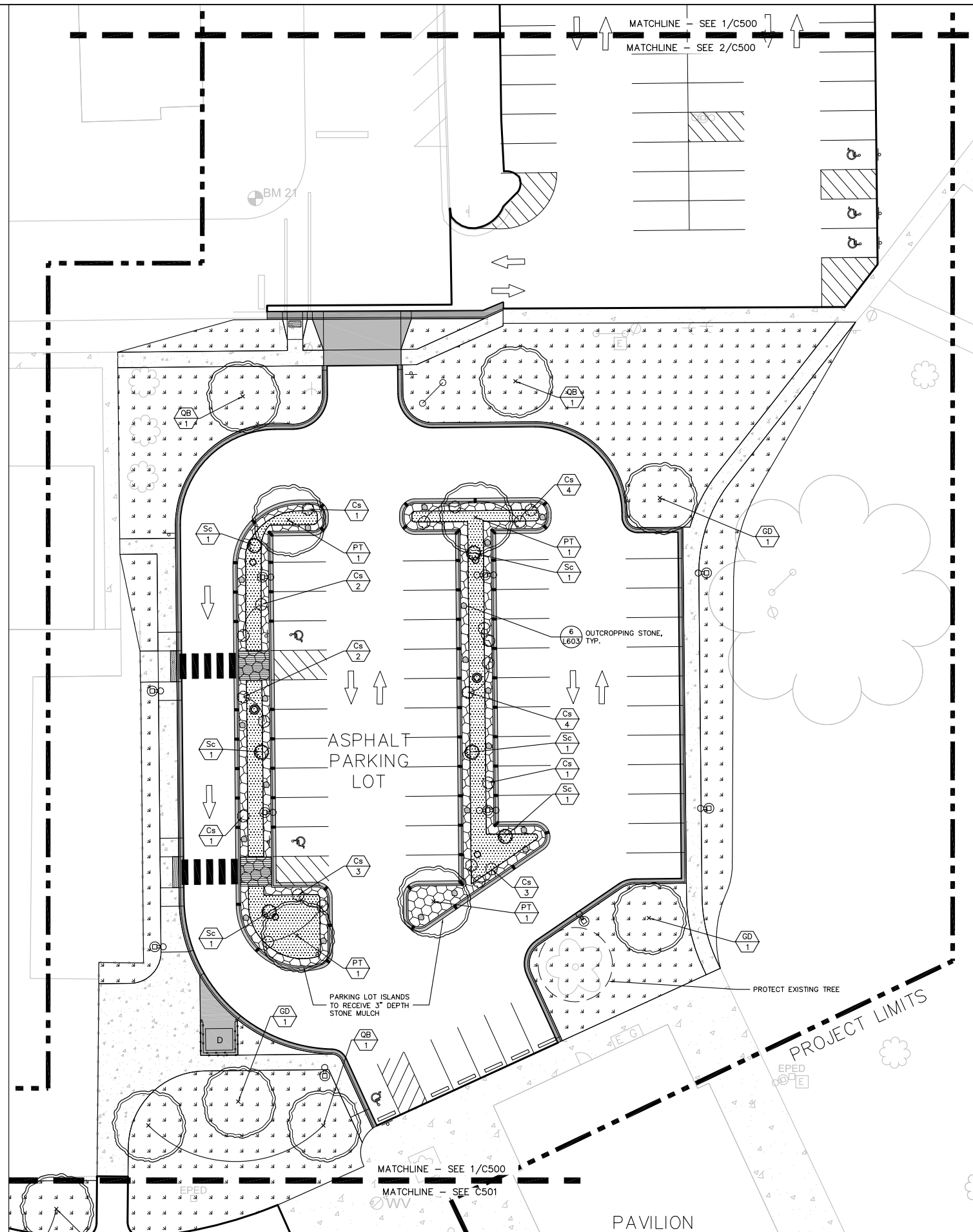
MATCHLINE - SEE 1/C500

MATCHLINE - SEE 2/C500

1 LANDSCAPE PLAN

1
C500

2 LANDSCAPE PLAN

$$\left(\frac{2}{C5} \right)$$


MATCHLINE - SEE 1/C500

MATCHLINE - SEE C50

PAVILION

— PROTECT EXISTING TREE

PROJECT LIMITS

EPED

AVRES

5201 E. Terrace Dr.
Suite 200
Madison, WI 53718
608.443.1200
www.AyresAssociates.com

Professional Seal

Revision	Date
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Project Name

JEFFERSON PARK IMPROVEMENTS

989 Kargus Dr,
Menasha, WI 54952



Drawn By: JW

Checked By: BT

File:

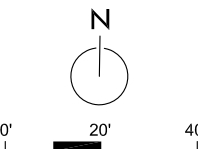
Issued For: BID

Date: 12/20/2019

Project No. 52-0637

Sheet Title

LANDSCAPE PLAN



Sheet Number

C500

Map 6
City of Menasha
Winnebago County, WI
Existing and Proposed
Trails Off- Street Trails

- Legend
- Kayak Launch
 - Boat Launch
 - Off-Street Trail
 - Planned Off-Street Trail
 - Water Trail
 - Menasha Parks
 - Other Municipal Parks
 - City of Menasha

1 Jefferson Park	14 Conservancy Area
2 Smith Park	15 Heckrodt Wetland Reserve**
3 Clinton Center Park	16 James Island
4 Curtis Reed Square	17 Bridge Tower Museum & Plaza
5 Scanlon Park	18 East Main Street Plaza
6 South Shore River Park	19 Jefferson Park Swimming Pool
7 Barker Farm Park	20 Memorial Building (Smith Park)
8 Clovis Grove Park	21 Menasha Marina & Terrace
9 Hart Park	22 Municipal Beach
10 Hidden Pond Park	23 Jefferson Park Boat Launch
11 Koslo Park	24 Ninth St. Boat Launch
12 Pleasants Park	25 Manitowoc St. Boat Launch
13 Shepard Park	26 Park St. Boat Launch

A	Fritse Park
B	Herb and Dolly Smith Park
C	Arrowhead Park
D	Shattuck Park
E	Doty Park
F	Riverside Park
G	Kimerbly Point
H	Neenah Pool

Source: Base map information provided by Calumet and Winnebago County GIS, 2018. Parks taken from county parcel data. Map ID Numbers of parks are found in Chapter 3.

Scale in Miles

This data was created for use by the East Central Wisconsin Regional Planning Commission Geographic Information System. Any other use/application of this information is the responsibility of the user and such use/application is at their own risk. East Central Wisconsin Regional Planning Commission disclaims all liability regarding fitness of the information for any use other than for East Central Wisconsin Regional Planning Commission business.

Map 7 City of Menasha Winnebago County, WI Existing and Proposed Bike Friendly Streets

Legend

-  Kayak Launch
-  Boat Launch
-  Bike Route
-  Planned Bike Route
-  Off-Street Trail
-  Planned Off-Street Trail
-  Water Trail
-  Menasha Parks
-  Other Municipal Parks
-  City of Menasha

Source: Base map information provided by Calumet and Winnebago County GIS, 2018. Parks taken from county parcel data. Map ID Numbers of parks are found in Chapter 3.



0 0.175 0.35 0.7
Scale in Miles

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PREPARED NOVEMBER 2019 BY:

