



**AGENDA**  
CHARTER TOWNSHIP OF MERIDIAN  
PARK COMMISSION – REGULAR ZOOM MEETING  
Tuesday, December 8, 2020 - 12:00 pm

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**REGULAR MEETING – ZOOM AT NOON**

Meeting ID: 825 7614 6048

Meeting Password: 5151

1. CALL MEETING TO ORDER
2. APPROVAL OF AGENDA
3. PRESENTATIONS
  - A. Ingham County Road Dept. Request- Sidewalk
  - B. Ingham County Drain Office – Wonch Park Use Request
4. PUBLIC COMMENTS
5. APPROVAL OF MINUTES
  - A. October 13 , 2020 Regular Meeting Minutes
6. COMMUNICATIONS
7. DIRECTOR’S REPORT
8. ACTION ITEMS
  - A. ICRD Sidewalk Repaving – Ferguson Park
  - B. ICDC Wonch Park Use Request
  - C. 2021 Park Commission Meeting Schedule
  - D. Election of Officers
  - E. Liaison to Land Preservation Advisory Board
9. DISCUSSION ITEMS
10. PUBLIC COMMENTS
11. OTHER MATTERS AND COMMISSIONERS’ COMMENTS
  - A. Commissioner Comments
  - B. Events Calendar:
    1. Farmers’ Market:
      - a. Saturdays 8am-2pm; Wednesdays 3pm-7pm through December 19, 2020
12. CLOSED SESSION – NONE
13. ADJOURNMENT
14. Next Park Commission Meeting: Tuesday, January 12, 2021, Zoom Meeting at Noon

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All comments limited to 3 minutes, unless prior approval for additional time for good cause is obtained.

Individuals with disabilities requiring auxiliary aids or services should contact Parks & Recreation Director, LuAnn Maisner: 2100 Gaylord C. Smith Court, Haslett, MI 48864 or 517.853.4600 - Ten Day Notice is Required.

Meeting Location: Zoom Meeting

Providing a safe and welcoming, sustainable, prime community.



A PRIME COMMUNITY  
meridian.mi.us

**INGHAM COUNTY ROAD DEPARTMENT**  
**AUSTIN E. CAVANAUGH ADMINISTRATION BUILDING**  
**301 Bush Street, P.O. Box 38, Mason, MI 48854-0038**

**William M. Conklin, PE**  
**Managing Director**



November 25, 2020

LuAnn Maisner  
Parks and Recreation Director  
Meridian Township  
5151 Marsh Road  
Okemos MI 48864

Dear Ms. Maisner:

As the Ingham County Road Department (ICRD) has progressed through the design phase of the Okemos Road Bridge project, it has come to our attention the current sidewalk in Ferguson Park does not meet current Americans with Disabilities Act (ADA) requirements. Our design consultant, Fishbeck, has proposed to reconstruct the sidewalk in this area to meet the necessary ADA requirements, which adds about 25 linear feet of new sidewalk within the park. I have attached the current plan view of the Preferred Alternative to this letter for your reference, which shows a switchback in the Ferguson Park sidewalk to provide proper slopes and level landings meeting ADA requirements.

Please review this proposed Preferred Alternative and if you agree to the scope of work, provide me with a letter of support for the Ferguson Park sidewalk work, noting the proposed construction impacts are insignificant to the function of the Park and that the sidewalk improvements are a net benefit to the Park overall.

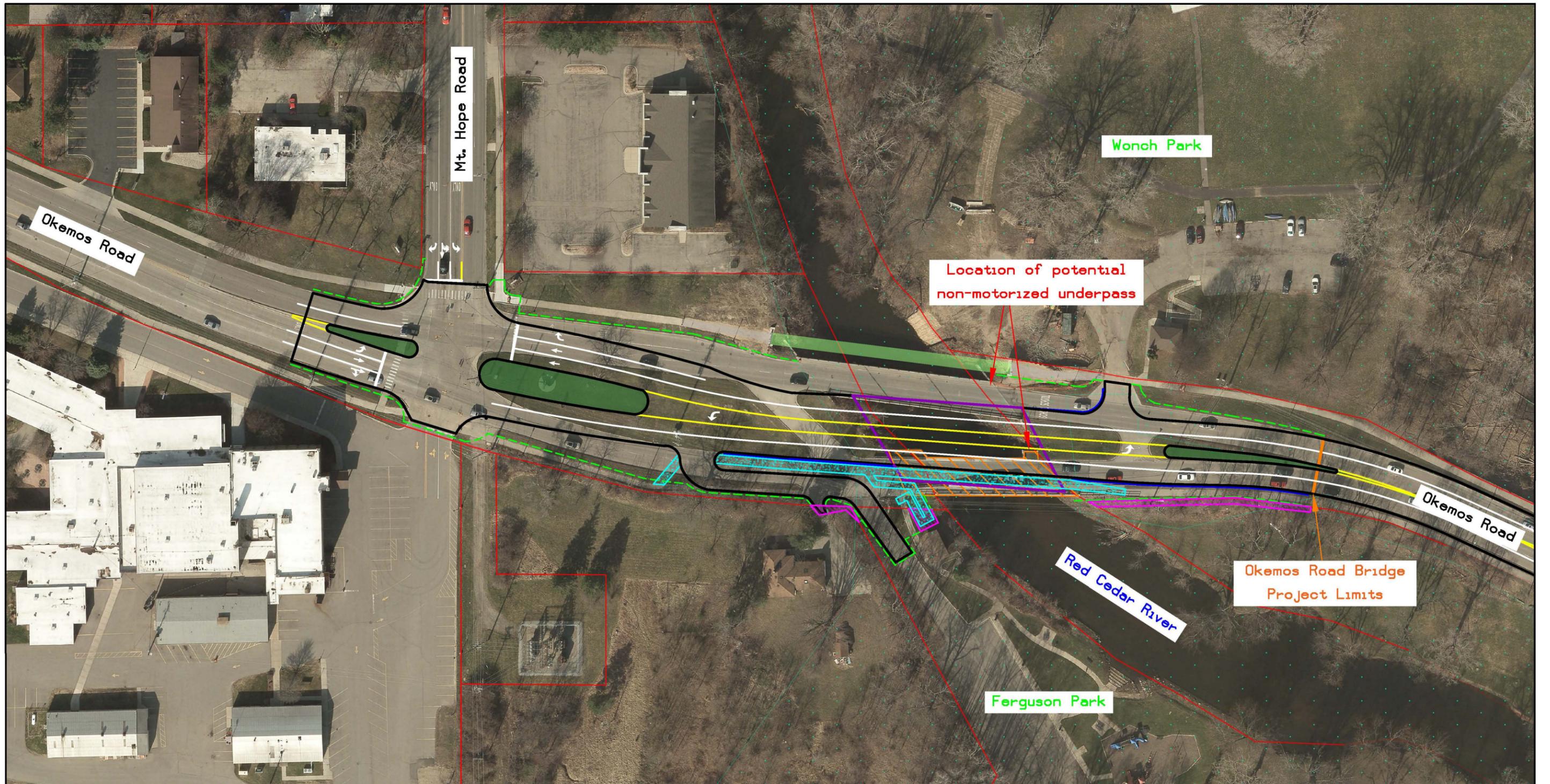
Thank you for your time and cooperation on this matter. If you have questions and/or concerns, please feel free to contact me via email at [kjones2@ingham.org](mailto:kjones2@ingham.org).

Sincerely,

A handwritten signature in black ink, appearing to read "Kelly R. Jones".

Kelly R. Jones, PE  
Director of Engineering & County Highway Engineer  
**INGHAM COUNTY ROAD DEPARTMENT**

cc: Lessons, Whitten / DLZ  
Jildeh / Fishbeck  
Perry / Meridian Township  
Conklin / ICRD  
file



OKEMOS ROAD BRIDGE  
IMPROVEMENT PROJECT

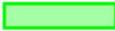


FIGURE 3  
PREFERRED ALTERNATIVE



OCTOBER 2020

LEGEND

-  EXISTING PEDESTRIAN BRIDGE
-  EXISTING RIGHT-OF-WAY
-  EXISTING SIDEWALK
-  CAMELBACK BRIDGE  
(to be removed)
-  100-YEAR FLOODPLAIN

-  PROPOSED NEW BRIDGE
-  PROPOSED ROADWAY
-  PROPOSED CONSTRUCTION LIMITS
-  PROPOSED PAVEMENT MARKING
-  PROPOSED GUARD RAIL
-  PROPOSED SIDEWALK
-  TEMPORARY GRADING

# Patrick E. Lindemann

## Ingham County Drain Commissioner

PO Box 220  
707 Buhl Avenue  
Mason, MI 48854-0220

Phone: (517) 676-8395

Fax: (517) 676-8364

<http://dr.ingham.org>



Carla Florence Clos  
*Deputy Drain Commissioner*

Paul C. Pratt  
*Deputy Drain Commissioner*

Angie Cosman  
*Chief of Engineering and Inspection*

Sheldon Lewis  
*Administrative Assistant*

November 24<sup>th</sup>, 2020

Meridian Charter Township  
5151 Marsh Road  
Okemos, MI 48864

RE: Red Cedar River Logjam Removal Project

Dear Ms. Maisner:

As you may be aware, the Ingham County Drain Commissioner's office has been removing obstructions from the Red Cedar River located in the East Lansing and Meridian Charter Township. These logjams cause flooding, increase channel instability, and reduce the capacity of the county drains that are tributary to the Red Cedar River.

Our work began in 2012 at the outlet of the Hannah Farms Drain near the Michigan Athletic Club. The removal of these logjams has improved the outlet for multiple drainage systems that discharge to the Red Cedar River. Attached is a photo taken of Drain Commissioner, Patrick E. Lindemann standing next to a log removed downstream of your property as part of this earlier project. The work to clear the Red Cedar River of obstructions and debris affecting drains is not yet complete. We have identified additional logjams and obstructions in the river from Nakoma Drive upstream to Okemos Road and we are moving forward with their removal.

We are requesting your assistance in allowing our contractors very limited access across your property in order to remove logjams within or adjacent to your property. A landowner access agreement can be found enclosed for your review. Please contact Charles R. Smith P.E., C.F.M. at 586-383-8244 regarding the scope of access across your property or you may email [charless@spicergroup.com](mailto:charless@spicergroup.com).

Thank you for your time and attention.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Carla F. Clos', is written over a light blue horizontal line.

Carla F. Clos  
Chief Deputy Drain Commissioner

**PATRICK E. LINDEMANN  
INGHAM COUNTY DRAIN COMMISSIONER  
RED CEDAR RIVER LOGJAM REMOVAL PROJECT  
PROPERTY ACCESS AGREEMENT FORM**

**NAME:** \_\_\_\_\_ (Landowner/Owner's Representative)

**ADDRESS/PARCEL ID:** \_\_\_\_\_ ("Property")

I am the Landowner and/or Owner's Representative of the Property at the address listed above. I hereby give permission for Ingham County Drain Commissioner ("ICDC"), whose address is 707 Buhl, Mason, MI 48854, including his, employees, consultants, contractors and agents of the ICDC (collectively "Authorized Persons") to enter the above-referenced property for the following purposes:

- a. Permission to enter the Property to access the Red Cedar River for the removal of logjams, restoration of bank erosion and restoration of access areas.
- b. Survey staking and documenting of activities.
- c. On-Site observation and oversight of activities.
- d. Other purposes as required by law. (Collectively the "Work")

The Work will take place on the Red Cedar River on and/or adjacent to Property.

Upon completion of the Work at the Property, ICDC will restore the Property to its condition prior to the commencement of the Work.

Landowner or Owner's Representative shall not be held responsible or liable for injury, damage, or loss incurred or arising out of or in connection with Work under this Agreement, except to the extent that any injury is caused due to the acts or omissions of Landowner or any employee or agent of Landowner or Owner's Representative.

ICDC or Authorized Persons will give notice to Landowner or Owner's Representative at least one (1) week in advance of the start of field activities at the Property. The Property may be utilized as described above until August 1, 2025.

Other: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

ICDC: \_\_\_\_\_

Landowner: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

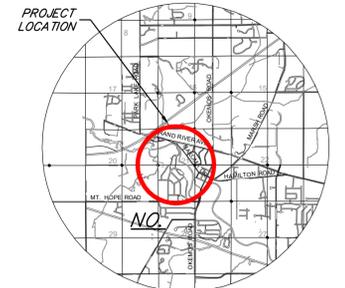


# PATRICK E. LINDEMANN

## INGHAM COUNTY DRAIN COMMISSIONER

### RED CEDAR RIVER LOG JAM REMOVAL

SECTION 21, T.04N.-R.01W., MERIDIAN CHARTER TOWNSHIP, INGHAM COUNTY



LOCATION MAP

#### CONTACTS

INGHAM COUNTY DRAIN COMMISSIONER  
ATT: PATRICK E. LINDEMANN  
707 BUHL ST.  
P.O. BOX 220  
MASON, MI 48854-0220  
PHONE: (517) 676-8395

OWNER  
AT&T  
ATT: DARNELL TAYLOR  
337 N. ABBOTT  
EAST LANSING, MI 48823  
PHONE: (517) 337-3509

SPICER GROUP INC.  
ATT: CHARLES R. SMITH, P.E., C.F.M.  
1400 ZEEB DR.  
ST. JOHNS, MI 48879  
PHONE: (586) 383-8244  
(QUESTIONS TO EMAIL ADDRESS)  
CHARLESS@SPICERGROUP.COM

ENGINEER  
LANSING BOARD OF WATER AND LIGHT  
ATT: UTILITY SERVICES  
730 E. HAZEL ST.  
P.O. BOX 13007  
LANSING, MI 48901  
PHONE: (517) 702-6690

INGHAM COUNTY ROAD DEPARTMENT  
ATT: BOB PETERSON, P.E.  
DIRECTOR OF ENGINEERING  
ATT: WILLIAM CONKLIN, P.E.,  
MANAGING DIRECTOR  
301 BUSH ST. P.O. BOX 38  
MASON, MI 48854  
PHONE: (517) 676-9722

ROAD

MERIDIAN CHARTER TOWNSHIP  
ATT: FRANK WALSH, MANAGER  
5151 MARSH ROAD  
OKEMOS, MI 48864  
PHONE: (517) 853-4254

TOWNSHIP

MERIDIAN CHARTER TOWNSHIP  
DEPARTMENT OF PUBLIC WORKS  
ATT: DEREK PERRY,  
DIRECTOR OF PUBLIC SERVICES  
5151 MARSH ROAD  
OKEMOS, MI 48864  
PHONE: (517) 583-4440

SANITARY

CONSUMERS ENERGY  
ATT: TYLER LAWRENCE  
1955 PARVALL ROAD  
JACKSON, MI 49201  
PHONE: (517) 788-1191

GAS

LANSING BOARD OF WATER AND LIGHT  
ATT: RANDY PLAUT  
730 E. HAZEL ST.  
P.O. BOX 13007  
LANSING, MI 48901  
PHONE: (517) 702-6067

ELECTRIC

COMCAST CABLE  
ATT: MATT SMITH  
1401 E. MILLER ROAD  
LANSING, MI 48911-5322  
PHONE: (517) 334-5899

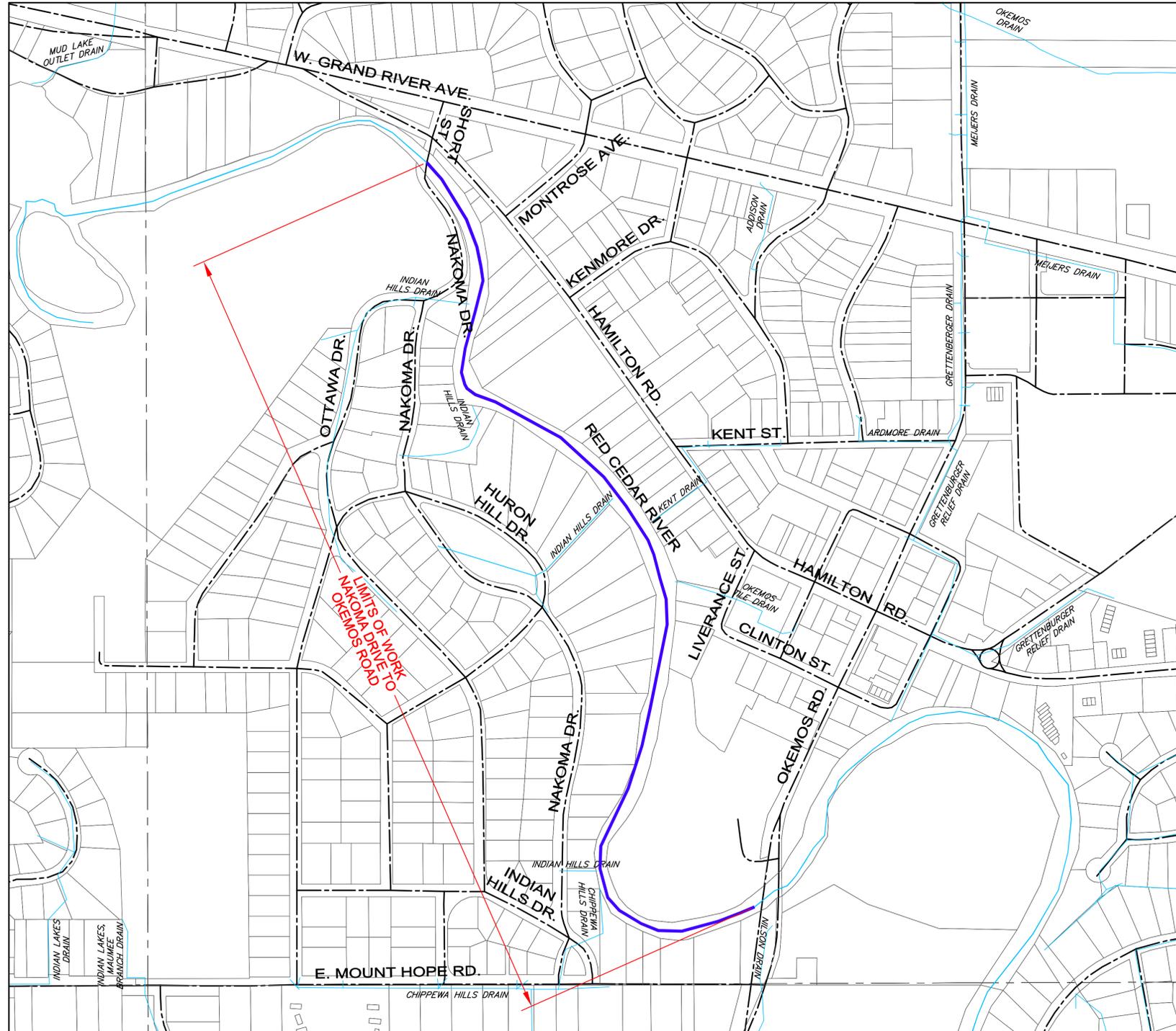
CABLE

#### LEGEND

- |   |                             |   |                          |
|---|-----------------------------|---|--------------------------|
| ○ | MANHOLE                     | ⊗ | SATELLITE DISH           |
| ● | PROPOSED MANHOLE            | ⊠ | AIR CONDITIONING UNIT    |
| ⊙ | PROPOSED MANHOLE/CATCHBASIN | ⊚ | SOIL BORING              |
| ⊚ | CATCHBASIN                  | ⊙ | FOUND SURVEY CORNER      |
| ⊚ | CURB CATCHBASIN             | ○ | SET 3/4" IRON PIPE       |
| ⊚ | PROPOSED CATCHBASIN         | — | BREAK IN LINE            |
| ⊚ | FIRE HYDRANT                | ⊚ | STUMP                    |
| ⊚ | PROPOSED FIRE HYDRANT       | ⊚ | WETLANDS                 |
| ⊚ | GAS VALVE                   | ⊚ | PINE                     |
| ⊚ | WATER VALVE                 | ⊚ | BUSH                     |
| ⊚ | PROPOSED WATER VALVE        | ⊚ | TREE                     |
| ⊚ | TELEPHONE PEDESTAL          | ⊚ | GAS MAIN                 |
| ⊚ | POWER POLE                  | ⊚ | SANITARY SEWER           |
| ⊚ | TELEPHONE POLE              | ⊚ | STORM SEWER              |
| ⊚ | UTILITY POLE                | ⊚ | WATERMAIN                |
| ⊚ | LIGHT POLE                  | ⊚ | STEAM                    |
| ⊚ | STREET LAMP                 | ⊚ | FIBER DUCTS              |
| ⊚ | GUY ANCHOR AND POLE         | ⊚ | TELEPHONE                |
| ⊚ | MAIL BOX                    | ⊚ | ELECTRIC                 |
| ⊚ | TRANSFORMER                 | ⊚ | FENCE                    |
| ⊚ | ELECTRICAL PEDESTAL         | ⊚ | CABLE/TELEVISION LINES   |
| ⊚ | MAILBOX                     | ⊚ | GUARDRAIL                |
| ⊚ | SIGN                        | ⊚ | DRAIN R.O.W.             |
| ⊚ | CABLE TV PEDESTAL           | ⊚ | ROAD R.O.W.              |
| ⊚ | HANDICAPPED PARKING         | ⊚ | PROPERTY                 |
| ⊚ | SPRINKLER                   | ⊚ | SURVEY LINE              |
| ⊚ | RIPRAP                      | ⊚ | PROJECT DRAIN CENTERLINE |
| ⊚ | RAILROAD SIGNAL             | ⊚ | WOODS & EXISTING SPOILS  |
| ⊚ | ANTENNA                     |   |                          |

#### ABBREVIATIONS

- |                             |                                |
|-----------------------------|--------------------------------|
| BIT = BITUMINOUS            | MH = MANHOLE                   |
| BM = BENCH MARK             | MIN = MINIMUM                  |
| CB = CATCH BASIN            | NFL = NOT FIELD LOCATED        |
| CF = CUBIC FEET             | NTS = NOT TO SCALE             |
| CL = CENTERLINE             | PROP = PROPOSED                |
| CMP = CORRUGATED METAL PIPE | PVC = POLYVINYL CHLORIDE       |
| CSP = CORRUGATED STEEL PIPE | RCP = REINFORCED CONCRETE PIPE |
| CONC = CONCRETE             | ROW = RIGHT OF WAY             |
| DIP = DUCTILE IRON PIPE     | SAN = SANITARY                 |
| ELEC = ELECTRIC             | SB = SOIL BORING               |
| ELEV = ELEVATION            | STA = STATION                  |
| ESMT = EASEMENT             | STM = STORM                    |
| EX OR EXIST = EXISTING      | SWR = SEWER                    |
| FF = FINISH FLOOR           | TC = TOP OF CURB               |
| FS = FINISH SURFACE         | TELE = TELEPHONE               |
| FG = FINISH GRADE           | TRW = TOP OF RETAINING WALL    |
| G = GUTTER                  | TW = TOP OF WALK               |
| HYD = HYDRANT               | WM = WATER MAIN                |
| INV = INVERT                |                                |



#### PLAN INDEX

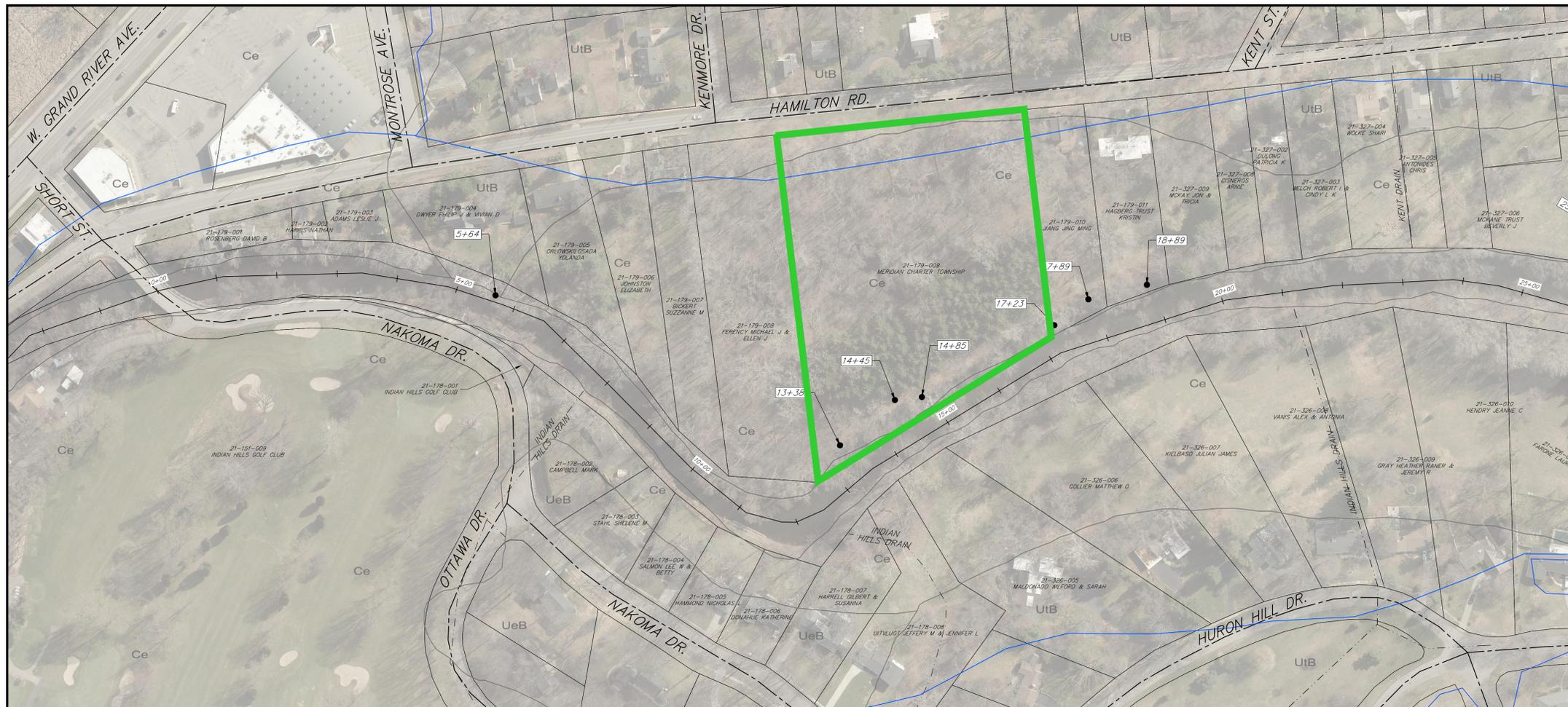
FILE NO.	DESCRIPTION	
JDR-3418-01	COVER SHEET	1
JDR-3418-02	ACTIVITY LOCATIONS STA. 0+00 TO STA. 25+00	2
JDR-3418-03	ACTIVITY LOCATIONS STA. 25+00 TO STA. 50+00	3



#### LEGEND

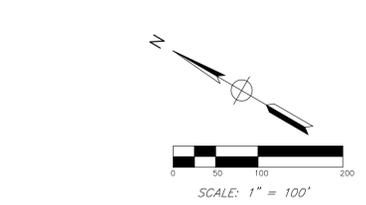
- |     |                |
|-----|----------------|
| --- | ROAD           |
| --- | SECTION        |
| --- | LIMITS OF WORK |

TAM	EGLE PERMIT	10/14/20
BY MARK	REVISIONS	DATE
<p>THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THIS SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREIN IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY OTHER LOCATION, CONDITION, DESIGN OR PURPOSE.</p>		
<p>RED CEDAR RIVER MERIDIAN CHARTER TOWNSHIP INGHAM CO., MICHIGAN</p>		
<p>COVER SHEET</p>		
		<p>ST. JOHNS OFFICE 1400 Zeeb Drive St. Johns, MI 48879 Tel. 877-774-2375 www.SpicerGroup.com</p>
DE. BY: ORS	CH. BY: ORS	PROJECT NO.
DR. BY: TAM	APP. BY: LJP	129354SG2020
STDS.	SHEET 01 OF 01	JDR
DATE OCTOBER, 2020	FILE NO.	01
SCALE 1" = 300'	JDR-3418-01	



**CONSTRUCTION NOTES:**

- CONTRACTOR SHALL CALL "MISS DIG" (1-800-482-7171) A MINIMUM OF 3 WORKING DAYS PRIOR TO CONSTRUCTION.
- ACCESS TO LOGJAMS WILL BE LIMITED TO THE LOCATIONS SHOWN ON THE PLAN.
- CONTRACTOR SHALL NOTIFY ENGINEER ONE WEEK IN ADVANCE OF THE START OF FIELD ACTIVITIES ON EACH PROPERTY.
- WORK WILL BE CONDUCTED UPSTREAM TO DOWNSTREAM. DOWNSTREAM EXISTING DOWNSTREAM LOGJAMS WILL SERVE AS THE DEBRIS CATCH.
- WORK TIME LIMITATIONS SHALL BE FROM 7 A.M. TO 7 P.M. MONDAY THROUGH SATURDAY, NO WORK SHALL BE PERFORMED ON SUNDAYS, HOLIDAYS, OR HOLIDAY WEEKENDS.
- CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF EGLE PERMIT.
- CONTRACTOR SHALL MINIMIZE ACCESS CLEARING TO THE MAXIMUM EXTENT PRACTICABLE.
- SEED MIXES FOR RESTORATION SHALL CONSIST OF FINE WOODED WETLAND ESTABLISHMENT SEED MIX IN FLOODPLAIN LOCATION AND ECONOMY PRAIRIE SEED MIX (OR APPROVED EQUIVALENTS) IN ALL OTHER LOCATIONS.
- MATERIAL REMOVED FROM THE LOGJAM SHALL BE LEFT AS LOGS AND HAULED TO AN UPLAND SITE.
- DEBRIS CLEARED DURING CONSTRUCTION ACCESS MUST BE LEFT AS LOGS AND HAULED TO AN UPLAND SITE.
- EQUIPMENT MATS WILL ONLY BE REQUIRED IN WETLANDS WITH ORGANIC SOILS PRESENT. ANY DISTURBANCE TO THE EXISTING GRADE (I.E. RUTS) WILL NEED TO BE REGRADED DURING RESTORATION. ALL WORK AREAS SHOULD BE COORDINATED WITH THE ENGINEER TO ENSURE THAT WETLANDS WITH ORGANIC SOILS ARE AVOIDED.
- ALL ACTIVITIES SHALL OCCUR IN ACCORDANCE WITH THE LANDOWNER ACCESS AGREEMENT FOR EACH PARCEL.



LOCATION MAP

**LEGEND**

	COUNTY DRAIN
	SPECIAL FLOOD HAZARD AREA
	PROPERTY LINE
	SSURGO SOILS

**SOIL LEGEND**

SOIL SYMBOL	SOIL COMPOSITION
Ce	Ceresco fine sandy loam
UeB	Urban land-Boyer-Spinks complex
UpA	Urban land-Capac-Colwood complex
UIB	Urban land-Marlette complex

**MICHIGAN ASSOCIATION OF COUNTY DRAIN COMMISSIONERS SOIL EROSION AND SEDIMENTATION CONTROL KEYING SYSTEM**

KEY	SESC MEASURE	SYMBOL	WHERE USED
1	SEEDING		When bare soil is exposed, temporarily or permanently, to erosive forces from wind and/or water on flat areas, mild slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles.
2	MULCH BLANKET		On flat areas, mild slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles when areas are subject to raindrop impact, and erosive forces from wind or water.
6	SOIL BINDING POLYMERS		Over all exposed soil surfaces or prepared seed beds that need protection from precipitation impact, sheet flow, rill flow or wind prior to erosive force impact.

SYMBOLGY FOR INSERTION INTO CONSTRUCTION DRAWINGS:  
 (P) = PERMANENT MEASURE  
 (T) = TEMPORARY MEASURE

DETAILED DRAWINGS AND SPECIFICATIONS ARE LOCATED IN THE INGHAM COUNTY DRAIN COMMISSIONER'S SOIL EROSION AND SEDIMENTATION CONTROL AUTHORIZED PUBLIC AGENCY PROCEDURES MANUAL, AVAILABLE AT:  
<http://www.ingham.org/DR/Drains.htm>  
 ALL WORK PERFORMED UNDER THESE CONTRACTS SHALL CONFORM TO GUIDELINES THEREIN.

**SOIL EROSION & SEDIMENTATION CONTROL NOTES:**

CONTRACTOR SHALL CONFORM TO THE SOIL EROSION AND SEDIMENTATION CONTROL ACT, PART 91 OF ACT 451 OF 1944 AND THE INGHAM COUNTY DRAIN COMMISSIONER'S APA MANUAL.

CONTRACTOR SHALL COORDINATE WITH THE INGHAM COUNTY DRAIN COMMISSIONER'S OFFICE AND ENGINEER REGARDING THE LOCATIONS OF SESC MEASURES TO BE INSTALLED.

**R 323.1709 EARTH CHANGE REQUIREMENTS: TIME, SEDIMENT REMOVAL; DESIGN INSTALLATION, AND REMOVAL OF TEMPORARY OR PERMANENT CONTROL MEASURES.**

**RULE 1709:**

- A PERSON SHALL DESIGN, CONSTRUCT, AND COMPLETE AN EARTH CHANGE IN A MANNER THAT LIMITS THE EXPOSED AREA OF ANY DISTURBED LAND FOR THE SHORTEST POSSIBLE PERIOD OF TIME AS DETERMINED BY THE COUNTY OR LOCAL ENFORCING AGENCY.
- A PERSON SHALL REMOVE SEDIMENT CAUSED BY ACCELERATED SOIL EROSION FROM RUNOFF WATER BEFORE IT LEAVES THE SITE OF THE EARTH CHANGE.
- A PERSON SHALL DESIGN A TEMPORARY OR PERMANENT CONTROL MEASURE THAT IS DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF WATER AROUND, THROUGH, OR FROM THE EARTH CHANGE AREA TO LIMIT THE WATER FLOW TO A NONEROSIVE VELOCITY.
- A PERSON SHALL INSTALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES BEFORE OR UPON COMMENCEMENT OF THE EARTH CHANGE ACTIVITY AND SHALL MAINTAIN THE MEASURES ON A DAILY BASIS. A PERSON SHALL REMOVE TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AFTER PERMANENT SOIL EROSION MEASURES ARE IN PLACE AND THE AREA IS STABILIZED. A PERSON SHALL STABILIZE THE AREA WITH PERMANENT SOIL EROSION CONTROL MEASURES UNDER APPROVED STANDARDS AND SPECIFICATIONS AS PRESCRIBED BY R 323.1710.
- A PERSON SHALL COMPLETE PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA WITHIN 5 CALENDAR DAYS AFTER FINAL GRADING OR THE FINAL EARTH CHANGE HAS BEEN COMPLETED. IF IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER AN EARTH CHANGE HAS BEEN COMPLETED OR IF SIGNIFICANT EARTH CHANGE ACTIVITY CEASES, THEN A PERSON SHALL MAINTAIN TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IN PLACE AND THE AREA IS STABILIZED.

ALL MUD, DIRT AND DEBRIS TRACKED ONTO EXISTING ROADWAYS SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR NO LESS THAN ON A DAILY BASIS BY SCRAPING AND SWEEPING.

ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND AFTER EACH RAIN EVENT TO ENSURE PROPER MAINTENANCE OF THE MEASURE. ANY DEFICIENCIES ARE TO BE CORRECTED IMMEDIATELY.

NO DEWATERING WILL BE PERFORMED IN CONJUNCTION WITH THESE CONSTRUCTION ACTIVITIES.

**SEQUENCE OF ACTIVITY:**

- PROVIDE ACCESS TO SITE MINIMIZING CLEARING AND COORDINATING WITH LANDOWNERS.
- REMOVE LOGJAMS.
- HAUL AND OR SCATTER EXCESS DEBRIS OUTSIDE FLOODPLAIN.
- RESTORE DISTURBED AREA WITH SEED, MULCH BLANKET, AND POLYMER.

**DESCRIPTION OF ACTIVITY:**

CONSTRUCTION ACTIVITY CONSISTS OF LOGJAM REMOVALS ON THE RED CEDAR RIVER.



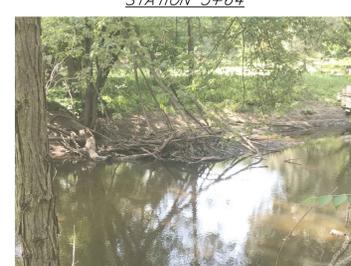
STATION 5+64



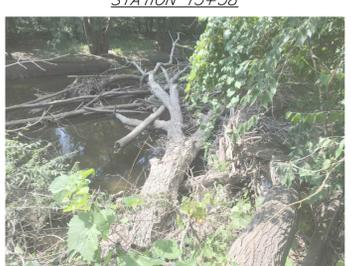
STATION 13+38



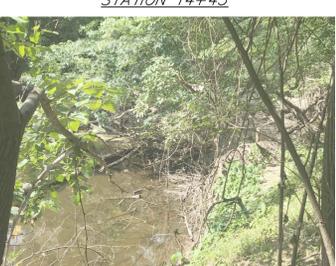
STATION 14+45



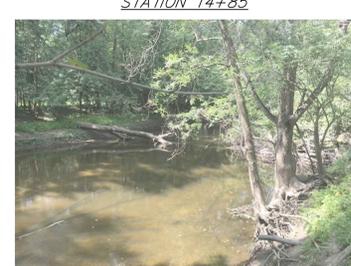
STATION 14+85



STATION 17+23



STATION 17+89



STATION 18+89

**CONTINUED MAINTENANCE PROGRAM FOR PERMANENT SESC MEASURES**

AGENCY RESPONSIBLE:	INGHAM COUNTY: PATRICK E. LINDEMANN, INGHAM COUNTY DRAIN COMMISSIONER
INSPECTION SCHEDULE:	INSPECT BMPs MONTHLY DURING FIRST GROWING SEASON AFTER COMPLETION OF CONSTRUCTION OR AS NEEDED. INSPECT A MINIMUM OF THREE TIMES PER GROWING SEASON FOLLOWING THE FIRST GROWING SEASON AND TWICE DURING THE WINTER SEASON.
PERMANENT SESC MEASURE:	MAINTENANCE PROCEDURE
SEEDING:	REPAIR BARE AREAS, APPLYING SUPPLEMENTAL SEED, MULCH BLANKET, POLYMER, AND WATER AS NEEDED. MOWING CAN BE USED PERIODICALLY TO DISCOURAGE WEEDS.

TAM	EGLE PERMIT	10/14/20
BY	REVISIONS	DATE

THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THIS SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREIN IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY OTHER LOCATION, CONDITION, DESIGN OR PURPOSE.

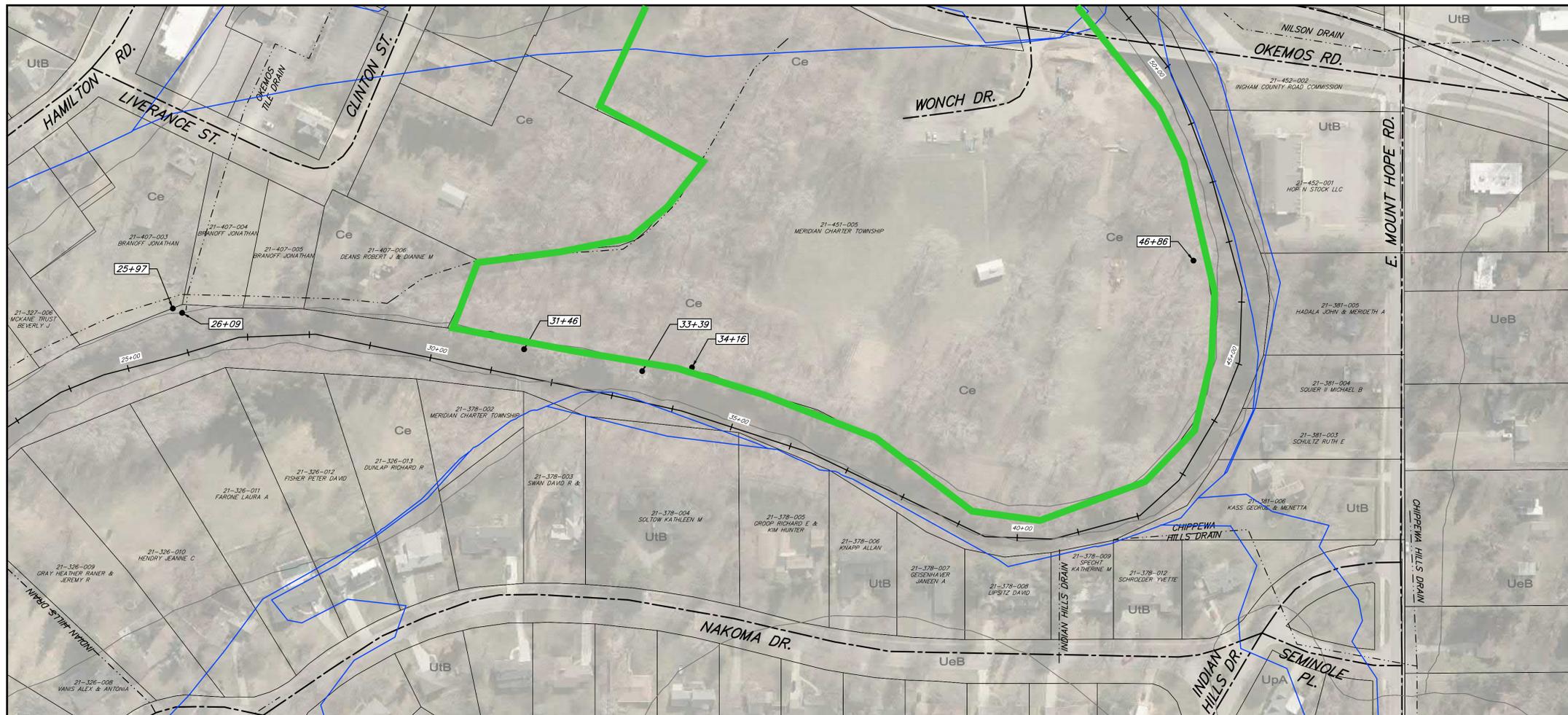
RED CEDAR RIVER  
 MERIDIAN CHARTER TOWNSHIP  
 INGHAM CO., MICHIGAN

**ACTIVITY LOCATIONS  
 STA. 0+00 TO STA. 25+00**

**Spicer Group**  
 ST. JOHNS OFFICE  
 1400 Zeeb Drive  
 St. Johns, MI 48879  
 Tel. 877-774-2375  
 www.SpicerGroup.com

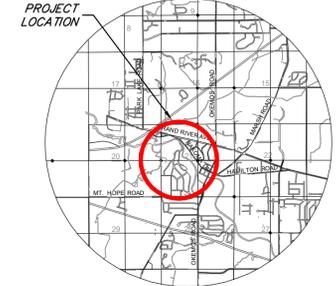
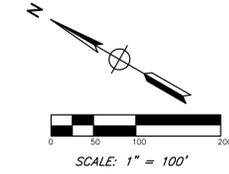
DE. BY: ORS CH. BY: ORS PROJECT NO.  
 DR. BY: TAM APP. BY: LJP 1293545G2020

STDS. SHEET 02 OF 03 JDR  
 DATE OCTOBER, 2020 FILE NO. 02  
 SCALE AS SHOWN JDR-3418-02



**CONSTRUCTION NOTES:**

- CONTRACTOR SHALL CALL "MISS DIG" (1-800-482-7171) A MINIMUM OF 3 WORKING DAYS PRIOR TO CONSTRUCTION.
- ACCESS TO LOGJAMS WILL BE LIMITED TO THE LOCATIONS SHOWN ON THE PLAN.
- CONTRACTOR SHALL NOTIFY ENGINEER ONE WEEK IN ADVANCE OF THE START OF FIELD ACTIVITIES ON EACH PROPERTY.
- WORK WILL BE CONDUCTED UPSTREAM TO DOWNSTREAM. DOWNSTREAM EXISTING DOWNSTREAM LOGJAMS WILL SERVE AS THE DEBRIS CATCH.
- WORK TIME LIMITATIONS SHALL BE FROM 7 A.M. TO 7 P.M. MONDAY THROUGH SATURDAY; NO WORK SHALL BE PERFORMED ON SUNDAYS, HOLIDAYS, OR HOLIDAY WEEKENDS.
- CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF EGLE PERMIT.
- CONTRACTOR SHALL MINIMIZE ACCESS CLEARING TO THE MAXIMUM EXTENT PRACTICABLE.
- SEED MIXES FOR RESTORATION SHALL CONSIST OF JFNEW WOODED WETLAND ESTABLISHMENT SEED MIX IN FLOODPLAIN LOCATION AND ECONOMY PRAIRIE SEED MIX (OR APPROVED EQUIVALENTS) IN ALL OTHER LOCATIONS.
- MATERIAL REMOVED FROM THE LOGJAM SHALL BE LEFT AS LOGS AND HAULED TO AN UPLAND SITE.
- DEBRIS CLEARED DURING CONSTRUCTION ACCESS MUST BE LEFT AS LOGS AND HAULED TO AN UPLAND SITE.
- EQUIPMENT MATS WILL ONLY BE REQUIRED IN WETLANDS WITH ORGANIC SOILS PRESENT. ANY DISTURBANCE TO THE EXISTING GRADE (I.E. RUTS) WILL NEED TO BE REGRADED DURING RESTORATION. ALL WORK AREAS SHOULD BE COORDINATED WITH THE ENGINEER TO ENSURE THAT WETLANDS WITH ORGANIC SOILS ARE AVOIDED.
- ALL ACTIVITIES SHALL OCCUR IN ACCORDANCE WITH THE LANDOWNER ACCESS AGREEMENT FOR EACH PARCEL.



LOCATION MAP

**LEGEND**

- COUNTY DRAIN
- SPECIAL FLOOD HAZARD AREA
- PROPERTY LINE
- SSURGO SOILS

SOIL LEGEND	
SOIL SYMBOL	SOIL COMPOSITION
Ce	Ceresco fine sandy loam
UeB	Urban land-Boyer-Spinks complex
UpA	Urban land-Capac-Colwood complex
UtB	Urban land-Marlette complex

**SEQUENCE OF ACTIVITY:**

- PROVIDE ACCESS TO SITE MINIMIZING CLEARING AND COORDINATING WITH LANDOWNERS.
- REMOVE LOGJAMS.
- HAUL AND OR SCATTER EXCESS DEBRIS OUTSIDE FLOODPLAIN.
- RESTORE DISTURBED AREA WITH SEED, MULCH BLANKET, AND POLYMER.

**DESCRIPTION OF ACTIVITY:**

CONSTRUCTION ACTIVITY CONSISTS OF LOGJAM REMOVALS ON THE RED CEDAR RIVER.

**MICHIGAN ASSOCIATION OF COUNTY DRAIN COMMISSIONERS SOIL EROSION AND SEDIMENTATION CONTROL KEYING SYSTEM**

KEY	SESC MEASURE	SYMBOL	WHERE USED
1	SEEDING		When bare soil is exposed, temporarily or permanently, to erosive forces from wind and/or water on flat areas, mild slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles.
2	MULCH BLANKET		On flat areas, mild slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles when areas are subject to raindrop impact, and erosive forces from wind or water.
6	SOIL BINDING POLYMERS		Over all exposed soil surfaces or prepared seed beds that need protection from precipitation impact, sheet flow, fill flow or wind prior to erosive force impact.

SYMBOLGY FOR INSERTION INTO CONSTRUCTION DRAWINGS:  
 = PERMANENT MEASURE  
 = TEMPORARY MEASURE

DETAILED DRAWINGS AND SPECIFICATIONS ARE LOCATED IN THE INGHAM COUNTY DRAIN COMMISSIONER'S SOIL EROSION AND SEDIMENTATION CONTROL AUTHORIZED PUBLIC AGENCY PROCEDURES MANUAL, AVAILABLE AT:  
<http://www.ingham.org/DR/Drains.htm>  
 ALL WORK PERFORMED UNDER THESE CONTRACTS SHALL CONFORM TO GUIDELINES THEREIN.

**SOIL EROSION & SEDIMENTATION CONTROL NOTES:**

CONTRACTOR SHALL CONFORM TO THE SOIL EROSION AND SEDIMENTATION CONTROL ACT, PART 91 OF ACT 451 OF 1944 AND THE INGHAM COUNTY DRAIN COMMISSIONER'S APA MANUAL.

CONTRACTOR SHALL COORDINATE WITH THE INGHAM COUNTY DRAIN COMMISSIONER'S OFFICE AND ENGINEER REGARDING THE LOCATIONS OF SESC MEASURES TO BE INSTALLED.

R 323.1709 EARTH CHANGE REQUIREMENTS: TIME, SEDIMENT REMOVAL; DESIGN INSTALLATION, AND REMOVAL OF TEMPORARY OR PERMANENT CONTROL MEASURES.

- RULE 1709:**
- A PERSON SHALL DESIGN, CONSTRUCT, AND COMPLETE AN EARTH CHANGE IN A MANNER THAT LIMITS THE EXPOSED AREA OF ANY DISTURBED LAND FOR THE SHORTEST POSSIBLE PERIOD OF TIME AS DETERMINED BY THE COUNTY OR LOCAL ENFORCING AGENCY.
  - A PERSON SHALL REMOVE SEDIMENT CAUSED BY ACCELERATED SOIL EROSION FROM RUNOFF WATER BEFORE IT LEAVES THE SITE OF THE EARTH CHANGE.
  - A PERSON SHALL DESIGN A TEMPORARY OR PERMANENT CONTROL MEASURE THAT IS DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF WATER AROUND, THROUGH, OR FROM THE EARTH CHANGE AREA TO LIMIT THE WATER FLOW TO A NONEROSIVE VELOCITY.
  - A PERSON SHALL INSTALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES BEFORE OR UPON COMMENCEMENT OF THE EARTH CHANGE ACTIVITY AND SHALL MAINTAIN THE MEASURES ON A DAILY BASIS. A PERSON SHALL REMOVE TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AFTER PERMANENT SOIL EROSION MEASURES ARE IN PLACE AND THE AREA IS STABILIZED. A PERSON SHALL STABILIZE THE AREA WITH PERMANENT SOIL EROSION CONTROL MEASURES UNDER APPROVED STANDARDS AND SPECIFICATIONS AS PRESCRIBED BY R 323.1710.
  - A PERSON SHALL COMPLETE PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA WITHIN 5 CALENDAR DAYS AFTER FINAL GRADING OR THE FINAL EARTH CHANGE HAS BEEN COMPLETED. IF IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER AN EARTH CHANGE HAS BEEN COMPLETED OR IF SIGNIFICANT EARTH CHANGE ACTIVITY CEASES, THEN A PERSON SHALL MAINTAIN TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IN PLACE AND THE AREA IS STABILIZED.

ALL MUD, DIRT AND DEBRIS TRACKED ONTO EXISTING ROADWAYS SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR NO LESS THAN ON A DAILY BASIS BY SCRAPING AND SWEEPING.

ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND AFTER EACH RAIN EVENT TO ENSURE PROPER MAINTENANCE OF THE MEASURE. ANY DEFICIENCIES ARE TO BE CORRECTED IMMEDIATELY.

NO DEWATERING WILL BE PERFORMED IN CONJUNCTION WITH THESE CONSTRUCTION ACTIVITIES.



STATION 25+97



STATION 26+09



STATION 31+46



STATION 33+39



STATION 34+16



STATION 46+86

TAM	EGLE PERMIT	10/14/20
BY	REVISIONS	DATE
MARK		

THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THIS SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREIN IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY OTHER LOCATION, CONDITION, DESIGN OR PURPOSE.

RED CEDAR RIVER  
 MERIDIAN CHARTER TOWNSHIP  
 INGHAM CO., MICHIGAN

ACTIVITY LOCATIONS  
 STA. 25+00 TO STA. 50+00

**Spicer group**  
 ST. JOHNS OFFICE  
 1400 Zeeb Drive  
 St. Johns, MI 48879  
 Tel. 877-774-2375  
 www.SpicerGroup.com

DE. BY: ORS CH. BY: ORS PROJECT NO.  
 DR. BY: TAM APP. BY: LJP 129354SG2020

STDS. SHEET 03 OF 03 JDR  
 DATE OCTOBER, 2020 FILE NO. 03  
 SCALE 1" = 200' JDR-3418-03



**PARK COMMISSION  
PROPOSED BOARD MINUTES  
December 8, 2020**

**PROPOSED MOTION:**

- (1) Move to approve and ratify the minutes of the Virtual Regular Meeting of October 13, 2020 as submitted.**

**ALTERNATE MOTION:**

- (1) Move to approve and ratify the minutes of the October 13, 2020 Virtual Regular Meeting with the following amendment(s):**

**[insert amendments]**



CHARTER TOWNSHIP OF MERIDIAN  
PARK COMMISSION VIRTUAL REGULAR MEETING MINUTES  
Location: ZOOM

**DATE:** October 13, 2020

**PRESENT:** Amanda Lick, Michael McDonald, Mary Nardo Farris, Commissioners Mark Stephens,

**EXCUSED:** Ami Van Antwerp

**STAFF:** LuAnn Maisner, Director of Parks and Recreation

**1. CALL MEETING TO ORDER**

Chair Lick called the meeting to order at 5:36 pm

**2. APPROVAL OF AGENDA**

Director Maisner requested the following items be added to the agenda: item #3C. Griffyn Porter Eagle Scout candidate Dog Agility Equipment; Item #8Cc. Star Gazing Park Designation and item #9B. MNRTF Ballot Proposal.

Commissioner Stephens moved TO APPROVE THE AGENDA AS AMENDED. Seconded by Commissioner Van Antwerp.

VOICE VOTE: Motion carried unanimously.

**3. PRESENTATIONS**

A. Staff Report – Conservation Corp and Deer Management, Emma Campbell, Stewardship Coordinator

Stewardship Coordinator Campbell outlined the program details and shared the work that has been completed so far. She also reported that a total of 40 deer have been harvested this season as part of the deer management program. Commissioner McDonald suggested that Emma should be a presenter at the next MPARKS Conference sharing her MCC program with other communities.

B. Eagle Scout Final Report – Hillbrook Park Boardwalk, Eagle Scout Candidate Andrew Yeomans-Stephenson

Eagle Scout Candidate Yeomans-Stephenson provided his final report outlining the details of the boardwalk he installed along the trail in Hillbrook Park. The Park Commission applauded his fine workmanship and thanked him for his efforts.

C. Eagle Scout Project – Dog Park Agility Equipment, Eagle Scout Candidate Gryffin Porter  
Eagle Scout Candidate Porter proposed constructing Dog Park Agility Equipment for the new large dog park for his Eagle Scout Project and submitted an outline of the items he plans to build.

**4. PUBLIC COMMENT - NONE**

**5. APPROVAL OF MINUTES**

A. August 11, 2020 Regular Meeting Minutes

Van Antwerp, Stephens

Commissioner Van Antwerp moved TO APPROVE THE MINUTES OF AUGUST 11, 2020 REGULAR MEETING MINUTES AS PRESENTED. Seconded by Commissioner Stephens

VOICE VOTE: Motion carried unanimously.

**6. COMMUNICATIONS**

A. Items to/from the Public

1. Ruth Bloomfield commending the Park Commission on the delightful dog park.

B. Commission Information

C. Staff Inquiries/Response

Commissioner Stephens moved TO ACCEPT AND PLACE THE ITEMS OF COMMUNICATION ON FILE. Seconded by Commissioner McDonald.

VOICE VOTE: MOTION CARRIED UNANIMOUSLY.

**7. DIRECTOR'S REPORT**

A. Update on Projects

**8. ACTION ITEMS**

**A. Eagle Scout Final Report - Hillbrook Park Boardwalk, Eagle Scout Candidate Andrew Yeomans-Stephenson**

Commissioner Stephens moved TO APPROVE AND ACCEPT WITH GRATITUDE THE THE BOARDWALK IN HILLBROOK PARK CONSTRUCTED BY EAGLE SCOUT CANDIDATE YEOMANS-STEPHENSON. Seconded by Commissioner Van Antwerp

Motion carried unanimously.

**B. Eagle Scout Project – Dog Agility Equipment, Eagle Scout Candidate Gryffin Porter**

Commissioner McDonald moved, TO APPROVE THE PROPOSED PROJECT BY EAGLE SCOUT CANDIDATE, GRYFFIN PORTER TO CONSTRUCT AGILITY EQUIPMENT FOR THE NEW LARGE DOG PARK. Seconded by Commissioner Stephens

Motion carried unanimously.

**C. Star Gazing Park Designation**

The Park Commission has received requests to allow the opportunity for star-gazing in township parks, especially with covid-19 restrictions.

Chair Lick moved, TO EXTEND THE HOURS AT NORTH MERIDIAN ROAD PARK ONLY UNTIL 11PM TO FACILITATE EVENING STAR-GAZING. Seconded by Commissioner Nardo-Farris.

Motion carried unanimously.

## **9. DISCUSSION ITEMS**

### **A. Commissioner Videos in Parks**

Chair Lick is interested in having the Commissioners take videos in their favorite parks. These will then be posted to Facebook and other Township social media sites. Director Maisner offered to tape these sessions with her phone if needed. They also discussed challenging the Township Board to participate in making park videos. Marketplace on the Green – nearly completed. Looking at October 7 for the ribbon- cutting event.

### **B. MNRTF Ballot Proposal**

The Park Commission passed a resolution supporting the upcoming MNRTF Ballot Proposal at their September 8 regular meeting. The proposal will amend the percentage of funds available between acquisition and development projects. Currently 75% of the funds awarded each year must fund land acquisitions and only 25% can be allocated for park development projects. This proposal would provide flexibility to award not less than 25% for acquisition and not less than 25% for development depending on the number of quality applications received each year.

## **10. COMMENTS FROM THE PUBLIC - NONE**

## **11. OTHER MATTERS AND COMMISSIONERS' COMMENTS**

### **A. Commissioner Comments**

### **B. Events Calendar:**

#### **1. Farmers' Market:**

- a. Summer/Fall Market, Saturday, June-October 8 am – 2 pm, Meridian Mall parking area adjacent to the Marketplace on the Green

## **12. CLOSED SESSION - NONE**

## **13. ADJOURNMENT**

Chair Lick adjourned the meeting at 7:20pm.

## **14. NEXT MEETING**

- A. The next meeting is scheduled for Tuesday, November 10, 2020 at 5:30 pm; location TBA.



## **PARK COMMISSION COMMUNICATIONS December 8, 2020**

- A. Items to/from the Public  
None
  
- B. Commission Information
  - 1. Deer Management Program Update
  - 2. Meridian Conservation Corps Quarterly Newsletter
  
- C. Staff Inquiries/Response  
None

DEER MANAGEMENT UPDATE  
December 2, 2020

**Deer Management Season:** October , 2020 – January 1, 2021

**Total Deer Harvested to Date:** 146

**Total venison donated to date:** 2,007 lbs

**Recipients of venison:** Okemos Community Church Food Bank  
 Haslett Community Church Food Bank  
 Capital Area Community Services (Mason)  
 St. Paul Lutheran Church (Lansing)  
 First Presbyterian Church of Dimondale  
 LMTS Outreach Center (Lansing)  
 Our Savior Lutheran Food Bank (Lansing)

	<b>Total Hunters</b>	<b>Properties Hunted</b>	<b>Deer Harvested</b>	<b>Reported Deer/Car Collisions</b>
<b>2011</b>	25	7	43	152
<b>2012</b>	50	18	90	153
<b>2013</b>	60	20	127	180
<b>2014</b>	73	21	150	137
<b>2015</b>	30	19	63	144
<b>2016</b>	73	31	73	164
<b>2017</b>	66	30	80	129
<b>2018</b>	74	38	57	129
<b>2019</b>	84	38	88	153
<b>2020</b>	75	40 (2,300 acres)	145 (as of 12/12/20)	-----

FALL 2020

VOL. 1

# THE CORPS RAPPOR



*Meridian Conservation Corps Quarterly Newsletter*



## WHY WE NEED THE M.C.C.

*A note from Meridian Township's Land Stewardship Coordinator, Emma Campbell*

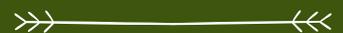
2020 is the kind of year that makes one take stock of life. It makes us think of what we value, what we hold dearest. All of my life, nature has been important, but this year, it has been vital to my well-being. In the upheaval of 2020 I have been reminded of what I love about nature. It has healing properties. It makes us look both inward and outward. It drags our eyes from our screens and gives us a sight to behold. Nature is a community in which we belong. As humans we often think of ourselves as separate from nature, but we are nature, and nature is us. This is a perfect time to realize our place in the environment, and our connectivity to the world and each other. The M.C.C. is here to bring us all closer and foster this connection to improve our physical and mental health, as well as our environment. This year will be known for many things, but in Meridian it will be known for the start of a beautiful relationship between our community and the land. Thank you all for joining the M.C.C. on this journey. I hope you enjoy our first ever quarterly newsletter!



**STEWARDSHIP  
SUCCESS**



**2021 EVENTS**



**SUSTAINABLE  
HOLIDAYS**

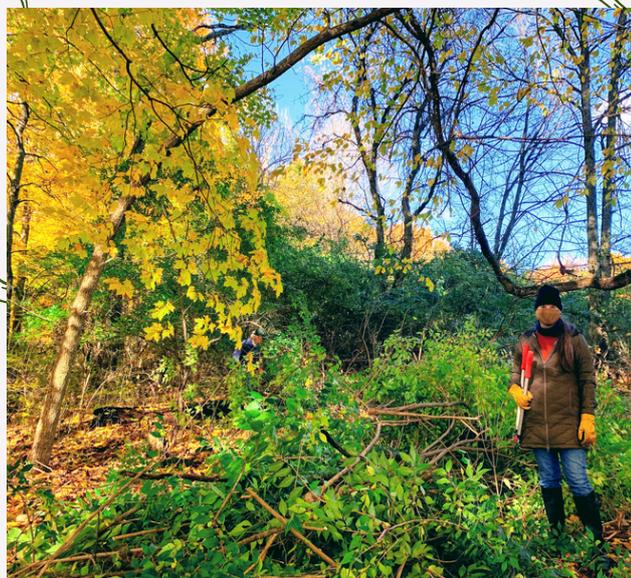




# STEWARDSHIP SUCCESS

*2020 Stewardship Accomplishments  
September to November 2020*

- **315 HOURS OF HABITAT RESTORATION COMPLETED**
- **263 POUNDS OF LITTER REMOVED FROM 12 PARKS**
- **135 CORPS MEMBERS**
- **65 VOLUNTEERS ACTIVELY WORKING ACROSS 7 PARKS & PRESERVES**
- **12 NATIVE PLANT SPECIES CULTIVATED IN PRESERVES**
- **10 DIFFERENT SPECIES OF INVASIVE PLANTS REMOVED**
- **6 STEWARDSHIP SATURDAYS**
- **4 CONSERVATION PROGRAMS LAUNCHED**
- **1 SENTINEL TREE ADOPTED BY FOREST WATCH VOLUNTEERS**





# 2020 STEWARDSHIP IN IMAGES

The Conservation Corps at work



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**BEFORE**

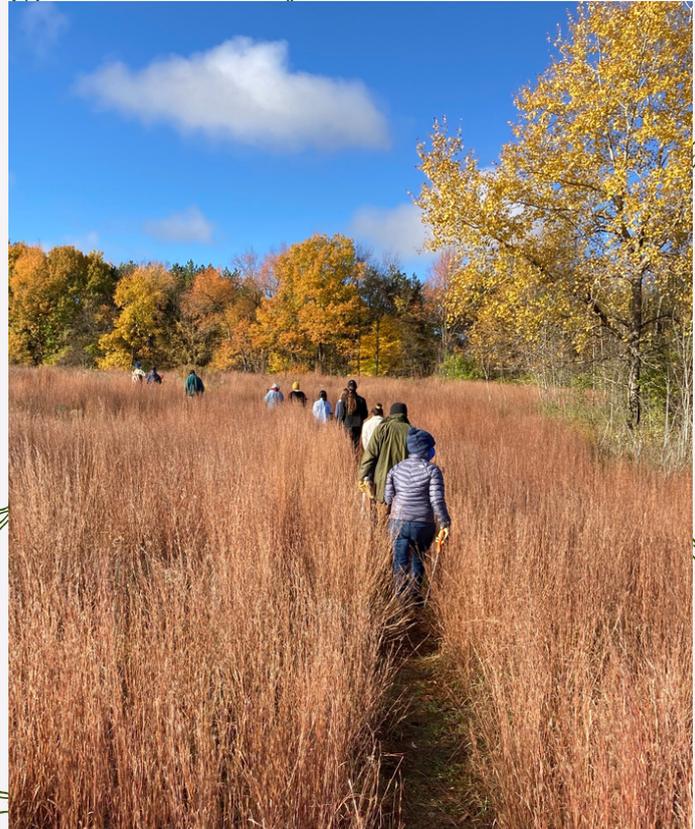
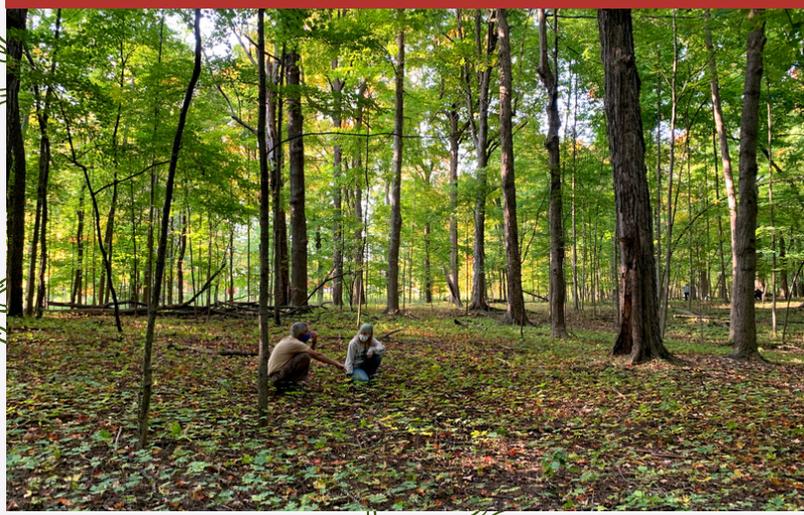
**BEFORE & AFTER REMOVING INVASIVE HONEYSUCKLE AT SW UPLANDS PRESERVE IN THE UNDERSTORY OF THIS OAK & MAPLE GROVE. WHAT A DIFFERENCE!**



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**AFTER**

**(BELOW) VOLUNTEERS PLANTING NATIVE BLUE COHOSH IN SOWER WOODS PRESERVE**



**(ABOVE) WALKING THROUGH SW UPLANDS BLUESTEM PRAIRIE ON A LOVELY STEWARDSHIP SATURDAY**  
**(BELOW) NATIVE BLUE COHOSH SEEDS**



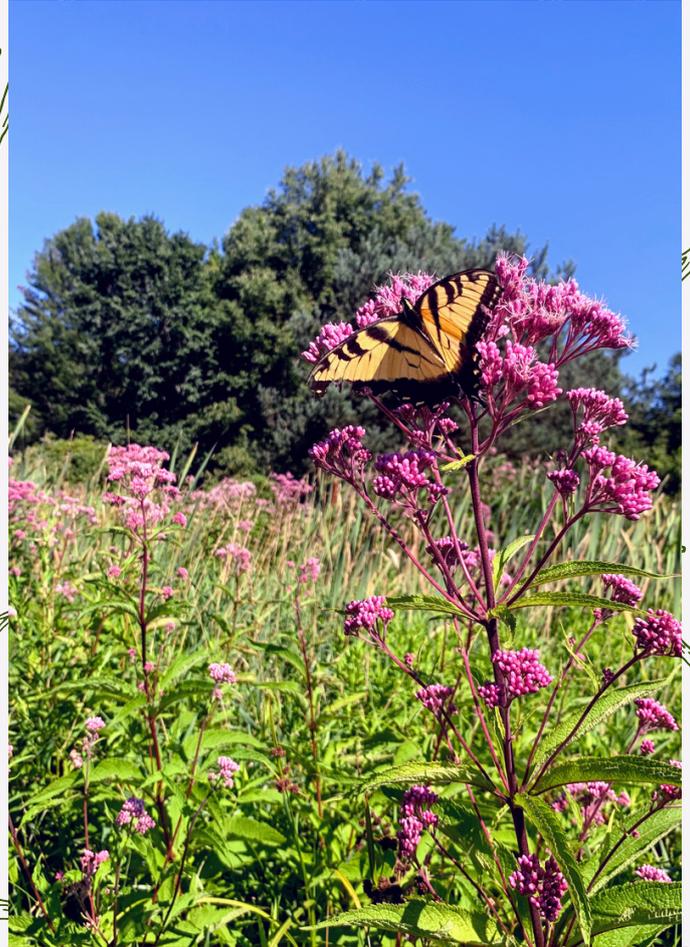


# WHY WE DO IT

Protecting what is important



**(ABOVE) BEECH, MAPLE AND OAK FORESTS ALONG THE RED CEDAR RIVER AT RED CEDAR GLEN PRESERVE**

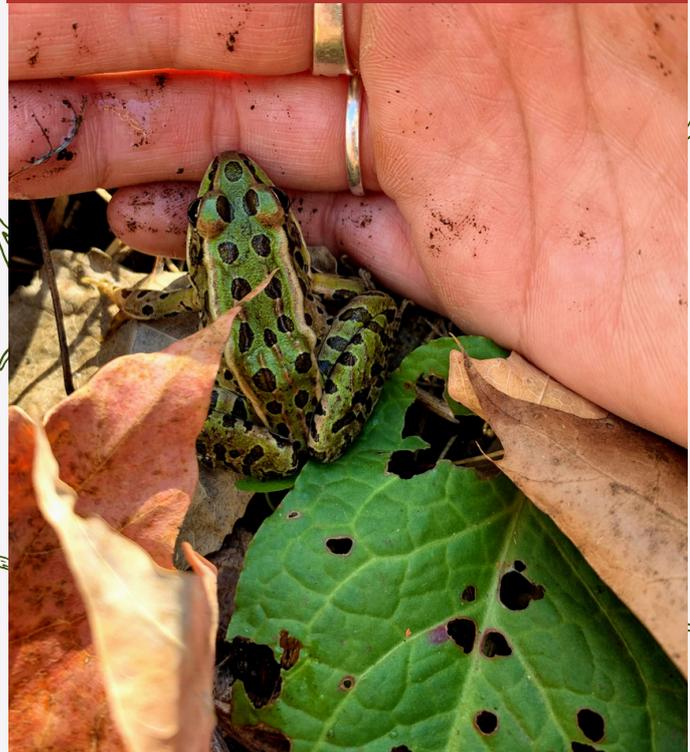


**(ABOVE) A TIGER SWALLOWTAIL FEEDING ON THE NECTAR OF JOE-PYE WEED AT NORTH MERIDIAN ROAD PARK**

**(BELOW) MOVING A NORTHERN LEOPARD FROG OUT OF HARMS WAY DURING INVASIVE REMOVAL**



**RARE NATIVE WOODLAND SPECIES BLUESTEM GOLDENROD (ABOVE) & TICK-TREFOIL (BELOW)**





# M.C.C. EVENTS TO LOOK FORWARD TO

- **STEWARDSHIP SATURDAYS**
  - WILL RESUME DECEMBER 19TH AT TIHART PRESERVE (PENDING COVID-19 SAFETY GUIDELINES)
  - 9:30 AM - 12 PM EVERY OTHER SATURDAY AT A DIFFERENT PARK & PRESERVE
- **INVASIVE SPECIES TRAINING WEBINAR**
  - JANUARY 23, 2021
  - 10:00 AM TO 1:00 PM
  - INFORMATION ON IDENTIFICATION, REMOVAL & LONG TERM MANAGEMENT
- **INVASIVE SPECIES TRAINING FIELD PORTION**
  - MARCH 13, 2021
  - 9:30 AM TO 12:00 PM
  - IN PERSON FIELD TRAINING FOR IDENTIFICATION & REMOVAL TECHNIQUES
- **VERNAL POOL PATROL TRAINING WEBINAR**
  - MARCH 27, 2021
  - TIME TBD - FIELD TRAINING PENDING COVID-19 SAFETY GUIDELINES

PLEASE EMAIL ME IF YOU HAVE QUESTIONS OR WOULD LIKE TO ATTEND ANY EVENTS



MCC  
SWAG  
COMING  
SOON!!



# CONSERVATION DURING THE HOLIDAYS

Sustainability however you celebrate!

## NATURAL DECORATIONS



(Above) Try using natural items such as fruit, which can be dried in a dehydrator or baked in an oven at 150 degrees for 3-5 hours

## Holiday Wreath



Use this



### American Bittersweet

- Berries are at tips of vines only
- Orange fruit capsule
- 6+ fruit/flower per cluster
- Narrow leaves

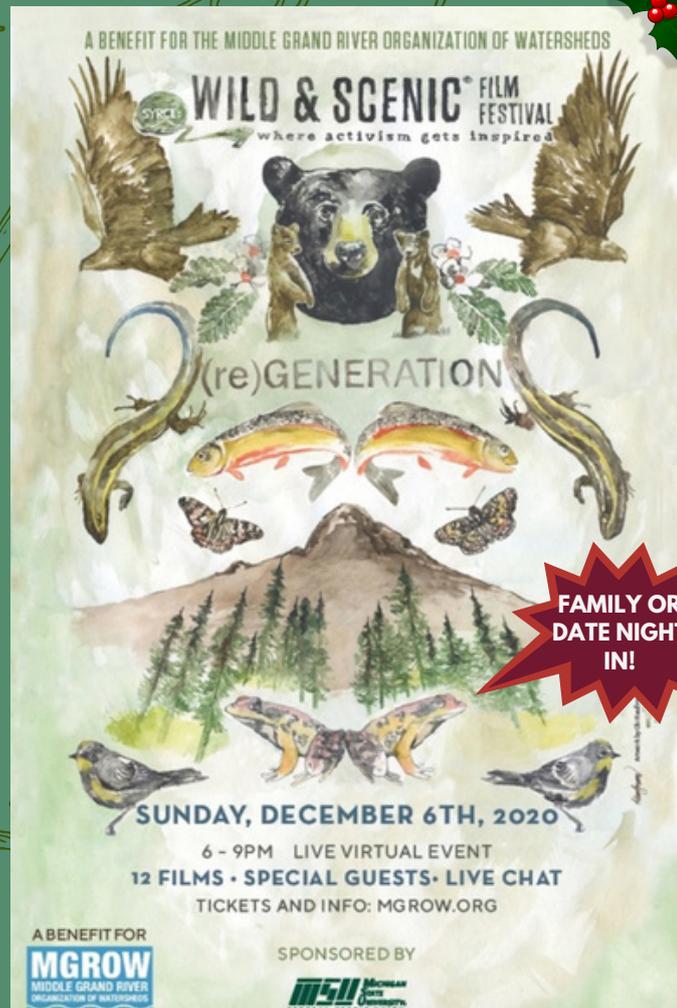
Not that



### Oriental Bittersweet

- Berries grow along the vine
- Yellow fruit capsule
- 2-3 fruit/flowers per cluster
- Broader leaves

Opt for plastic free & use natural materials for decor and gift wrapping. For gifts use newspaper, or old maps & adorn with a stone, or evergreen. Please do keep invasives in mind (above), don't over harvest materials, & be aware of local ordinances. American bittersweet can be a rare sight in Michigan, but artificial foliage can look just as pretty!



FAMILY OR DATE NIGHT IN!

(Above) This Sunday, December 6th, benefit MGROW & register to view award winning environmental & adventure films. Dinner & drink packages are available through Lansing Brewing Company!



EVERGREEN MAKES A LOVELY DECORATION AND SMELLS GREAT TOO!

# CONSERVATION DURING THE HOLIDAYS

Sustainability however you celebrate!



It can be overwhelming to think about sustainability in your home & as a consumer. Check out this plastic detox mind map that offers a variety of routes you can travel down to start your plastic free journey. Don't forget that each step counts, no matter how small. You don't have to do everything in one day or one year, but you can start somewhere!

## IDEAS FOR SUSTAINABLE SHOPPING

- **SHOP LOCAL!** Challenge yourself & loved ones to find gifts only at local businesses. Online sites like Etsy offer local & independent sellers!
- **DIY & ANTIQUES!** Instead of buying something new, up-cycle an old item already in circulation, or go the handmade route. Antiques can make a fun & super unique gift!
- **BE A CONSCIOUS CONSUMER!** Research the companies you purchase from: What sustainable initiatives does their organization pursue? Are they using sustainably harvested products? As a consumer, you hold the power to change the world!



For local gifts visit Meridian's Winter Market every Saturday 10am - 2pm until Dec. 19th



**To: Park Commissioners**  
**From: LuAnn Maisner, Director of Parks and Recreation**  
**Date: December 4, 2020**  
**Re: Election of Officers**

---

Chair opens the floor for nominations for **Chair**.

COMMISSIONER \_\_\_\_\_ MOVED, TO NOMINATE \_\_\_\_\_ AS CHAIR.  
COMMISSIONER \_\_\_\_\_ SECONDED.

Commissioner \_\_\_\_\_ accepted the nomination.

Hearing no other nominations, Chair closed the floor to nominations for Chair.

Roll Call Vote:

AYES:  
NAYS:

Chair opens the floor for nomination for **Vice Chair**.

COMMISSIONER \_\_\_\_\_ MOVED, TO NOMINATE \_\_\_\_\_ AS VICE CHAIR.  
COMMISSIONER \_\_\_\_\_ SECONDED.

Commissioner \_\_\_\_\_ accepted the nomination.

Hearing no other nominations, Chair closed the floor to nomination for Vice Chair.

Roll Call Vote:

AYES:  
NAYS: