



**CLERK**

Jill M. Nowak

(231) 723-3331

**CONTROLLER/ADMINISTRATOR**

Lisa Sagala

(231) 398-3504

**GREEN TEAM/RECYCLING COMMITTEE MINUTES**

Thursday, August 26, 2021

8:30 a.m.

Manistee County Courthouse & Government Center

Board of Commissioners Meeting Room

**MINUTES**

Members Present: Eric Gustad (on-line, Filer Twp.), Nikki Koons (on-line, Norman Twp.) and Margaret Batzer, Chairperson (on-line, City of Manistee)

Members Absent: None

Others Present: Sarah Archer, Iris Waste Diversion Specialists; Lisa Sagala, County Administrator/Controller; Bruce Schimke, Maintenance Supervisor; Dave Wallace, Conservation District; Renee Mallison, Conservation District; Julie Schmeling, Administrative Assistant and Jill M. Nowak, County Clerk

The meeting was called to Order at 8:30 a.m.

**NOTE – Items requiring Board Action are indicated in BOLD**

The County Board and its Committees are operating remotely and electronically by Zoom under the Manistee County Board of Commissioners Resolution #2020-17, which declared a Local State of Emergency through December 31, 2021 due to the COVID-19 pandemic.

**PUBLIC COMMENT**

None.

## **P.A. 69 RECYCLING UPDATE**

Sarah Archer, Iris Waste Diversion Specialists, reviewed the Manistee County Green Team Recycling Program Report dated August 24, 2021 and the Monthly Volume Data Report (Appendix A). There was a 22% decrease in volume for July 2021 compared to July 2020, but total program costs are \$9,167.56 higher because of materials that had to be moved to the landfill due to two (2) oil contaminated loads.

The Scrap Tire Event will take place on Saturday, September 25, 2021 at Bay Area Recycling for Charities (BARC) in Kaleva.

The EGLE 2020 Recycling Quality Improvement Grant left over monies was going to be used for infrastructure. But without a location, the grant had to be closed out and now the money cannot be used. The Infrastructure Grant application was submitted on August 18, 2021. If received, 80% of the grant will be used to improve a new Onekama site. The other 20% will come from the Community Foundation, \$1000 from the Conservation District, \$500 from the Onekama Fine Arts Boosters. There is a remaining \$4,500 that needs to be funded. It is noted that a request for Onekama Township to help fund the project, as would be expected from other Township relocation projects. Ms. Archer will be getting information to David Meister, Onekama Township Supervisor for their September Township Board Meeting. If the money isn't raised, the grant can always be declined.

A Recycling Drop-off Collection Services Requests for Quote was issued the end of July 2021 with a closing date of August 13, 2021. Two (2) bids were received. The Request for Quote was issued as a Not-to-Exceed proposal. That way the County will know what their monthly cost will be each month. Green for Life (GFL) was awarded the quote to begin January 1, 2022.

The Annual Manistee Conservation District Household Hazardous Waste Drop Off was held August 21, 2021. It was well attended, and more volunteers were working. No data has been received yet.

## **QUOTES FOR 8 MILE ROAD RECYCLING SITE**

Bruce Schimke, Maintenance Supervisor, reviewed the quotes (Appendix B) for services to improve the proposed Recycling Site for Onekama Township. Tree Trimming \$1,200; \$4,500-\$5,000 electrical work; \$21,713 for asphalt in the main area or possibly \$10,000-\$15,000 for gravel at this time; \$21,560 for complete perimeter fencing and an option of privacy gates of \$9,240. For a total cost of \$49,473 plus the cost of the property of around \$8,500. These are all estimate quotes and may be revised once actual bids are received. The PA 69 site can be used for any residents in PA 69 participating Townships. If the resident is from a non-participating Township, they would pay a fee to use the site. The idea has been to move towards a staffed site for a certain number of days and hours per week. It was noted that water on the site would be helpful if there is a well there. Mr. Schimke will look into this or get a quote. Then will there be runoff? The grant has been submitted and the County Board will have the say whether to accept the grant if awarded. Discussion as to having an electric gate for entrance with cards to avoid staffing and costs. A comparison will have to be done staffing v cards to see what would be best.

**OTHER ITEMS FROM COMMITTEE MEMBERS**

Ms. Archer noted her contract with Manistee County will be expiring the end of 2021. After ten (10) years working with Manistee County, Ms. Archer announced she will be stepping away from this work. Ms. Archer has new opportunities with her worm farm. Ms. Archer offered to help with an RFP and transition if the County would like. Iris Waste Diversion Specialists, Inc. will still be in business. The Committee thanked Ms. Archer for her expertise and passion for recycling and wished her well.

Ms. Sagala would like Ms. Archer to help with the RFP. The idea of having the Conservation District involved in County recycling will be discussed.

The meeting was adjourned at the Call of the Chair at 9:12 a.m.

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Eric Gustad

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Nikki Koons

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Margaret Batzer, Chairperson

**Manistee County Green Team  
Recycling Program Report – August 24, 2021  
Sarah Archer, Iris Waste Diversion Specialists, Inc.**

The following is a summary of Recycling Program activity since July 22, 2021.

Meeting Attendance

- Green Team – July 22, 2021 - virtual
- Manistee Chapter Michigan Townships Association – July 28, 2021 – in person Pleasanton Township
- Household Hazardous Waste Coordinating Committee – August 3, 2021 – Pere Marquette Township
- Board of Commissioners – August 24, 2021

Current Volume Report

Total weight (pounds) of materials collected from 7 PA69 Recycling Program drop-off sites.

January	41,876	April	17,236	July	37,265	October	
February	26,602	May	35,030	August		November	
March	39,720	June	26,815	September		December	
						Total To-Date	224,544

- There was a 22% decrease in volume for July 2021 compared to July 2020. \*
- Total program costs through July are \$9,167.56 higher than this time in 2020. \*

\*A smaller volume of recyclable materials was delivered to the material recovery facility and collection costs were higher due to two occurrences of oil contaminated loads that required landfill disposal, equipment cleanup costs, and extra trips to complete the collection route. Contamination costs to-date amount to \$4,850.00. One day per week of additional service is provided to the Onekama site during peak months at an extra charge which is reflected in the higher costs through July.

Education

- Monthly e-newsletter sent.

Grant Projects

- EGLE SCRAP TIRE GRANT
  - Upcoming events – Saturday, September 25, 2021 – 10:00 a.m. - 2:00 p.m. – Bay Area Recycling for Charities, Kaleva.
- EGLE 2020 RECYCLING QUALITY IMPROVEMENT GRANT
  - Request for second extension for use of remaining grant funds of approximately \$4,000 was not approved.
- EGLE RECYCLING INFRASTRUCTURE GRANT
  - Application submitted on August 18, 2021, for funding to make site improvements to Onekama recycling site relocation. Grants will likely be awarded late Fall.

Operations

- Archer spoke briefly with Onekama Township Supervisor Meister regarding the property on 8 Mile Road currently for use as a recycling drop-off site. Archer will prepare information for presentation at the Onekama Township Board meeting on September 8.

Other

- Recycling Drop-off Collection Services Request for Quote was issued on July 30 with a closing date of August 13, 2021. Two bids and one letter with a no bid response were received by the County

Administrator. The Request for Quote was issued as a "Not-to-Exceed" proposal. Only one bid was received with a pricing proposal within the "Not-to-Exceed" parameters, from GFL (Green for Life) Environmental, Traverse City. A recommendation was made to the Board of Commissioners on August 24 to award the bid to GFL Environmental and was met with unanimous approval. GFL Environmental will begin service on January 1, 2022, following expiration of the contract with the current vendor, Area 31 Recycling & Disposal, on December 31, 2021.

- The Annual Manistee Conservation District Household Hazardous Waste Drop-Off event was held on Saturday, August 21 from 9 a.m. – 1 p.m. at the Manistee County Road Commission.

Manistee County PA 69 Recycling Program Monthly Volume Data Report

July 2021

Month	LBS	% Change from Previous Month	Month	LBS	% Change from Previous Month
<b>JANUARY</b>			<b>JULY</b>		
Arcadia Twp	9,128.0	-35%	Arcadia Twp	10,470.0	38%
Brown Twp	5,079.0	0%	Brown Twp	3,487.0	27%
Cleon Twp	3,807.0	0%	Cleon Twp	2,513.0	15%
Dickson Twp	1,119.0	N/A	Dickson Twp	981.0	33%
Maple Grove Twp	7,617.0	0%	Maple Grove Twp	6,614.0	60%
Onokama Twp	12,171.0	-26%	Onokama Twp	10,179.0	41%
Springdale Twp	2,955.0	-29%	Springdale Twp	3,257.0	49%
<b>JANUARY TOTALS</b>	<b>41,876.0</b>	<b>-15%</b>	<b>JULY TOTAL</b>	<b>37,265.0</b>	<b>39%</b>
<b>FEBRUARY</b>			<b>AUGUST</b>		
Arcadia Twp	5,431.0	-68%	Arcadia Twp	0.0	
Brown Twp	3,076.0	-65%	Brown Twp	0.0	
Cleon Twp	1,987.0	-92%	Cleon Twp	0.0	
Dickson Twp	604.0	-85%	Dickson Twp	0.0	
Maple Grove Twp	3,973.0	-92%	Maple Grove Twp	0.0	
Onokama Twp	9,225.0	-32%	Onokama Twp	0.0	
Springdale Twp	2,306.0	-28%	Springdale Twp	0.0	
<b>FEBRUARY TOTALS</b>	<b>26,602.0</b>	<b>-57%</b>	<b>AUGUST TOTAL</b>	<b>0.0</b>	
<b>MARCH</b>			<b>SEPTEMBER</b>		
Arcadia Twp	9,341.0	72%	Arcadia Twp	0.0	
Brown Twp	4,152.0	35%	Brown Twp	0.0	
Cleon Twp	3,116.0	57%	Cleon Twp	0.0	
Dickson Twp	1,316.0	118%	Dickson Twp	0.0	
Maple Grove Twp	6,227.0	57%	Maple Grove Twp	0.0	
Onokama Twp	12,452.0	35%	Onokama Twp	0.0	
Springdale Twp	3,116.0	35%	Springdale Twp	0.0	
<b>MARCH TOTALS</b>	<b>39,720.0</b>	<b>49%</b>	<b>SEPTEMBER TOTAL</b>	<b>0.0</b>	
<b>APRIL</b>			<b>OCTOBER</b>		
Arcadia Twp	3,741.0	-60%	Arcadia Twp	0.0	
Brown Twp	2,795.0	-33%	Brown Twp	0.0	
Cleon Twp	1,026.0	-67%	Cleon Twp	0.0	
Dickson Twp	945.0	-28%	Dickson Twp	0.0	
Maple Grove Twp	2,494.0	-60%	Maple Grove Twp	0.0	
Onokama Twp	4,987.0	-60%	Onokama Twp	0.0	
Springdale Twp	1,248.0	-60%	Springdale Twp	0.0	
<b>APRIL TOTALS</b>	<b>17,236.0</b>	<b>-57%</b>	<b>OCTOBER TOTAL</b>	<b>0.0</b>	
<b>MAY</b>			<b>NOVEMBER</b>		
Arcadia Twp	8,459.0	126%	Arcadia Twp	0.0	
Brown Twp	3,760.0	35%	Brown Twp	0.0	
Cleon Twp	2,820.0	175%	Cleon Twp	0.0	
Dickson Twp	951.0	1%	Dickson Twp	0.0	
Maple Grove Twp	4,940.0	98%	Maple Grove Twp	0.0	
Onokama Twp	11,280.0	126%	Onokama Twp	0.0	
Springdale Twp	2,820.0	126%	Springdale Twp	0.0	
<b>MAY TOTALS</b>	<b>35,030.0</b>	<b>103%</b>	<b>NOVEMBER TOTAL</b>	<b>0.0</b>	
<b>JUNE</b>			<b>DECEMBER</b>		
Arcadia Twp	7,570.0	-11%	Arcadia Twp	0.0	
Brown Twp	2,753.0	-27%	Brown Twp	0.0	
Cleon Twp	2,192.0	-22%	Cleon Twp	0.0	
Dickson Twp	738.0	-22%	Dickson Twp	0.0	
Maple Grove Twp	4,129.0	-16%	Maple Grove Twp	0.0	
Onokama Twp	7,241.0	-36%	Onokama Twp	0.0	
Springdale Twp	2,192.0	-22%	Springdale Twp	0.0	
<b>JUNE TOTALS</b>	<b>26,815.0</b>	<b>-23%</b>	<b>DECEMBER TOTAL</b>	<b>0.0</b>	
<b>YEAR TO DATE (in lbs.)</b>			<b>224,544.0</b>		
<b>YEAR TO DATE (tons)</b>			<b>112.3</b>		

Year to date comparison by site

Totals in pounds	Jul-20	Jul-21	Totals in tons	Jul-20	Jul-21
Arcadia Twp	9,765.0	7,570.0	Arcadia Twp	4.9	3.8
Brown Twp	4,096.0	2,753.0	Brown Twp	2.0	1.4
Cleon Twp	2,027.0	2,192.0	Cleon Twp	1.0	1.1
Dickson Twp	N/A	738.0	Dickson Twp	N/A	0.4
Maple Grove Twp	4,739.0	4,129.0	Maple Grove Twp	2.4	2.1
Onokama Twp	24,511.0	7,241.0	Onokama Twp	12.3	3.6
Springdale Twp	2,442.0	2,192.0	Springdale Twp	1.2	1.1
<b>Totals in pounds</b>	<b>47,580</b>	<b>26,815</b>	<b>Totals in Tons</b>	<b>23.8</b>	<b>13.4</b>

Estimate



**AJ's Trees & Services**

3082 River Rd  
 Manistee, MI 49660  
 231.510.7913  
 Licensed & Insured

Date
7/29/2020

Name: Bruce Schimpke  
 Mont County

Terms	Project
	Tree

Quantity	Description	Rate	Amount
	1000' back yard tree		1000
	100' parking lot		
<b>TOTAL</b>			

Estimates are good for 60 days.

B-2



# Quote

## Apple Fence Company

1893 Pine Tree Road  
Grawn, MI 49637

Telephone 231-276-9888  
Fax 231-276-6111  
DATE: August 11, 2021

Company Name: MANISTEE COUNTY  
Attn: BRUCE SCHIMKE

Billing Address: 395 3<sup>RD</sup> ST  
City, State, Zip- MANISTEE, MI 49660  
Phone: 231-398-3552  
Cell:  
Fax: 231-398-3526  
EMAIL: [bschimke@manisteecountymi.gov](mailto:bschimke@manisteecountymi.gov)  
MISS DIG REQUIRED: YES  
PROJECT: RECYCLE CENTER 8 MILE RD  
PER INFORMATION PROVIDED

Project Address: 8 MILE RD  
City, State, Zip: MANISTEE, MI

**PROVIDE AND INSTALL THE FOLLOWING:**  
600' – 6' HIGH COMMERCIAL GRADE CHAINLINK FENCE SYSTEM COMPLETE  
2 – 6' HIGH x 24' WIDE GALVANIZED DOUBLE DRIVE GATES WITH GATE HARDWARE  
TOTAL ESTIMATED INSTALLED COST: \$21,560.00  
NET TERMS 1/3 DOWN, BALANCE DUE UPON COMPLETION

**OPTION:**  
PRIVACY FENCE SLATS TO ENTIRE FENCE AND GATES ADD \$9,240.00 TO ABOVE COSTS

**NOTE: ABOVE QUOTE IS ONLY VALID FOR 7 DAYS FROM ABOVE DATE**

**NOTE: NON- CASH/ CHECK TRANSACTIONS WILL HAVE A 3.25% SUR CHARGE ADDED TO ALL CREDIT CARD TRANSACTIONS. WE APOLOGIZE FOR ANY INCONVENIENCE.**

**NOTE: COST CAN NOT BE GUARANTEED FOR FUTURE MATERIAL AND INSTALL COST DUE TO REGULAR PRICE CHANGES HAPPENING.**

**NOTE: ONSITE MEETING WILL BE NEEDED TO CONFIRM ACTUAL FOOTAGES AND ACTUAL PROJECT COST WHEN TIME COMES TO PROCEED IF NECESSARY.**

CUSTOMER IS RESPONSIBLE FOR ANY DAMAGE TO UNDER GROUND SPRINKLER SYSTEMS.  
CUSTOMER IS RESPONSIBLE FOR ESTABLISHING PROPERTY LINES. INITIAL HERE \_\_\_\_\_

Accepted By \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

PLEASE VISIT OUR WEBSITE AT: [www.applefence.com](http://www.applefence.com)



B-3

PROPOSAL

RON BROWN & SONS, INC.  
ASPHALT PAVING

All Types of Quality Paving

P.O. Box 254 - 17443 Pleasanton Highway - Bear Lake, Michigan 49614

(800) 968-2275 / (231) 864-2275 / Fax: (231) 864-3695 / Email: ronbrownandsons@gmail.com

PROPOSAL SUBMITTED TO:

Manistee County  
415 3rd St.  
Manistee, MI 49660

DATE:

July 23, 2021

PHONE:

(231) 398-3552 Bruce Schimke

JOB NAME:

Proposed Recycle Center

JOB LOCATION:

8 Mile Rd., Onekama

EMAIL:

bschimke@manisteecountymi.gov

We hereby submit specifications and estimates for:

Thank you for inviting Ron Brown & Sons, Inc. to bid your project.  
Enclosed is your estimate for work to be done by Ron Brown & Sons, Inc.

Place fill sand as needed, grade for desired line and slope, place 6 - 8" gravel and compact, place 1 1/2" base course asphalt, apply bond coat, place 1 1/2" wear course asphalt.

Notes: Possible footings for old building on-site, additional removal costs will apply if present. All permits are responsibility of Manistee County.

As per enclosed print:

Main Area: \$21,713.00  
Optional Area: \$9,403.00

If accepting, please circle desired option(s) above, sign one copy of this proposal and one copy of the attached print. Return them to our office. Although every effort will be made to complete all projects accepted in the 2021 season, we must inform you that Ron Brown & Sons cannot guarantee completion of all projects before the paving season end. This estimate is based upon 2021 pricing and SUBJECT TO CHANGE if scheduled after the 2021 season concludes.

Again, thank you!

We propose hereby to furnish material and labor - complete in accordance with above specifications, for the sum of

Same as above, dollars. ( \$ As above. )

Payment to be made as follows: Due Upon Completion

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Authorized Signature



Note: This proposal may be withdrawn by us if not accepted within 30 days

A Finance Charge of 1 1/2 % per month, which is an Annual Percentage Rate of 18%, is charged on all past due accounts.

Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Please see reverse side for General Conditions.

Authorized Signature

Please sign and return one copy to our office.  
Thank you

Date of Acceptance:

### GENERAL CONDITIONS

- NO ORAL AGREEMENTS:** It is expressly understood that all the items, agreements and conditions relating to this contract are only those expressed in writing herein, and that there are no oral representations, undertakings, terms, agreements or conditions of any kind.
- APPROVAL:** This proposal will not be binding upon our company until the signed acceptance has been received by us, and until it has been checked and signed by our Engineer and countersigned by an officer of this company in the space provided for their signatures on the reverse side of this proposal.
- TIME FOR ACCEPTANCE:** This proposal must be accepted by the Purchaser within thirty (30) days from the date hereof. If not accepted within that period, the prices quoted herein are subject to change and this proposal may be withdrawn.
- CHANGES:** No changes or alterations in the specifications shall be allowed except in writing and at prices agreed upon at the time the changes are authorized.
- ESTIMATED OR APPROXIMATE QUANTITIES:** Quantities and areas in this proposal are approximate, arrived at for estimating purposes only, and it is understood that payment is to be made on actual quantities of work completed and actual areas covered unless otherwise indicated.
- THICKNESS:** All description of paving thickness in this proposal referred to as average. Variation in sub base and technical limitation may result in variation in thickness average. We warrant sufficient material will be used on the project to result in the average thickness named.
- CARPORTS:** Asphalt paving must be placed prior to the building of carports or the placing of asphalt curb.
- PROPERTY LINES:** The Purchaser of this paving work shall establish and designate property lines, and Purchaser shall be obligated to pay for work performed as ordered in the event said work results in trespass on other property, and Purchaser shall also be responsible for any damages caused thereby to the Owner of such other property.
- DELAYS:** The Contractor shall complete the job within a reasonable time but shall not be liable for delays beyond the control of the Contractor.
- PERMITS:** The Owner or the Purchaser of the above work shall pay for any and all permits or assessment if they are required.
- WET OR UNSTABLE SUBGRADE:** No materials will be placed on a wet, unstable or frozen sub-grade. A suitable sub-grade is a condition precedent to the requirement of performance of this contract.
- REPRODUCTION CRACKS:** When resurfacing concrete, brick or asphalt pavements, the Contractor is not responsible for the reproduction cracks or expansion joints which may occur.
- MINIMUM GRADE:** Contractor reserves the right to refuse to construct a pavement unless minimum grades of 1% are possible for surface drainage. If the Owner directs construction with less than a minimum grade of 1%, it is understood that water ponding may occur and that no warranty attaches to the work as to satisfactory surface drainage. Depressions over 1/4 inch will be filled.
- STOCK PILING STRUCTURES:** Contractor shall be permitted to stockpile materials necessary to the performance of its work, on the Purchaser's property adjacent to the site of the work, without cost.
- UNDERGROUND STRUCTURES:** It is Purchaser's responsibility to advise Contractor of the existence and location of all underground structures such as sewers, water and gas lines, etc., which might be encountered by Contractor in the performance of its work hereunder. Contractor shall be deemed to have notice of the existence of only those structures specifically referred to in this proposal, and of the location thereof as indicated in this proposal. If it develops in the performance of the work that the identity or location of the underground structures varies from those specified herein, any extra cost occasioned thereby in moving, protecting or covering the same, or otherwise, shall be borne by the Purchaser.
- SOIL CONDITION:** Should any unusual conditions be encountered not specifically referred to in this proposal, any extra cost in the performance of the work occasioned by such conditions shall be paid by Purchaser.
- TREE ROOTS:** Contractor shall not be responsible for damage to trees occasioned by removal of tree roots in preparing the road bed, nor shall Contractor be obligated to remove damaged or destroyed trees.
- TIMELY PAYMENT:** As stated above, payment in full is due and payable upon completion of the the job. Interim billings for partial performance are due and payable thirty (30) days after presentation of said billings. The Purchaser agrees to pay interest at the rate of 1.5% per month on any amount due the Contractor with said interest to start accruing thirty (30) days after presentation to the Purchaser of a billing for work performed and/or expenses incurred by the Contractor. This interest is at an annual rate of 18%. Ron Brown & Sons, Inc. may on written notice to the Buyer, terminate this contract when for a period of five days after a payment is due, as provided herein, Buyer fails to make said payment or payments. On such termination, Ron Brown & Sons, Inc. may recover from the Buyer payment for all work completed and for any loss sustained by him for materials, etc., to the extent of actual loss thereon, plus loss on a reasonable profit.
- ACCEPTANCE:** The paving shall be deemed accepted by the Owner at such time as his area is opened to the public for travel and parking. If for any reason the wearing course is not placed before the base course is parked on, the Owner shall be responsible for the cost of repair.
- HIDDEN OBJECTS:** Contractor assumes no responsibility for removing hidden objects encountered during the performance of the work. Any costs incurred by the removal and disposal of such hidden objects shall be borne solely by the Purchaser and the Contractor shall be reimbursed accordingly.
- ZONING REQUIREMENTS & OTHER LOCAL REGULATIONS:** Contractor assumes no responsibility for determining whether the Purchaser has the legal right or authority to pave the property as directed. Notwithstanding that such work might be deemed to violate any ordinance, zoning regulations, or other law, the Purchaser shall, nevertheless, be obligated to pay for work performed as ordered.

#### MAINTENANCE GUARANTEE

This is guaranteed against failure due to improper workmanship or materials for a period of one year after construction, unless otherwise stated herein. Use of a pavement for a purpose other than the disclosed and intended use, or by heavier traffic than disclosed will void this guarantee. It is understood that this guarantee does not cover damage caused by intentional or accidental excavation, fire, flood, gasoline, oil, chemicals, subsurface water overloading or other misuse. Failure of the Purchaser to conform to the requirements of a timely payment as stipulated in the General Conditions will void this guarantee. This guarantee does not apply to first or intermediate stages of construction. Asphalt bases are not guaranteed. This guarantee starts when the final wearing surface is placed and the pavement structure is brought up to full design strength.

P.O. BOX 254  
17443 PLEASANTON HWY  
BEAR LAKE, MI 49614

# RON BROWN & SONS, INC.

B-5  
1-800-968-2275  
PH (231) 864 2275  
FAX (231) 864-3695

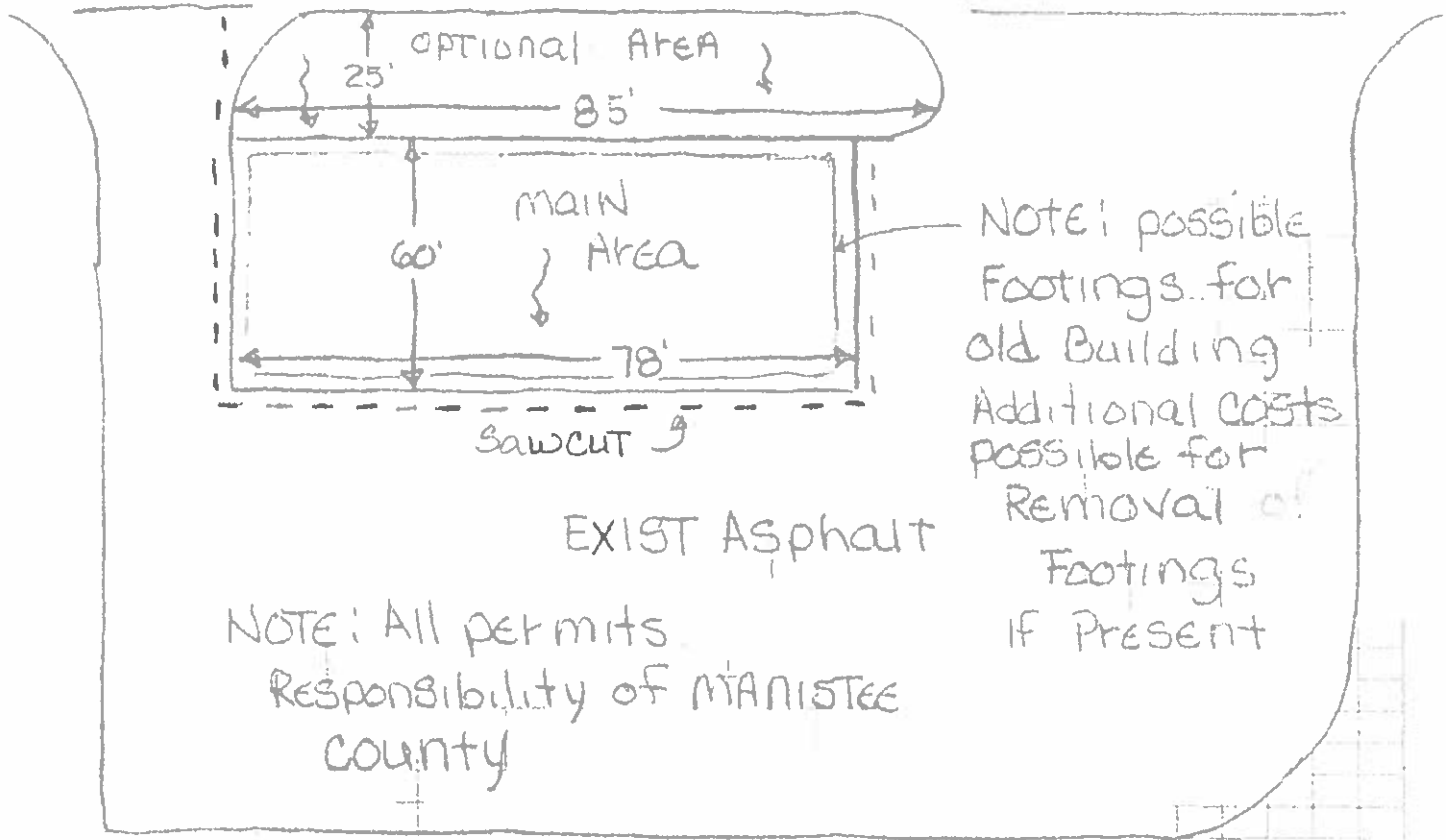
NAME Manistee County

DATE: \_\_\_\_\_  
PHONE 231-398-3552 Bruce Schimke  
ATTN Bruce Schimke  
b3schimke@manisteecountymi.gov

ADDRESS 415 3rd St.  
Manistee mi 49660

DESCRIPTION OF WORK:  
Place fill sand as needed, grade for desired line  
& slope, place 6-8" gravel & compact, place 1 1/2" Base  
Course asphalt, apply Bond, Place 1 1/2" wear course asph.

SKETCH (NOT TO SCALE) Proposed Recycle Center 8 mile Rd  
onekama mi



WORK AUTHORIZATION

SUBMITTED BY

SCOTT

RON BROWN & SONS, INC.

DATE \_\_\_\_\_

THIS PROPOSAL EXPIRES 30  
DAYS FROM THE ABOVE DATE

ACCEPTED BY: \_\_\_\_\_



DATE \_\_\_\_\_





2013 Aerials of Manistee County

**Legend**

-  Roads
-  Parcels



0 10 20 40 60 80

Produced by:  
Manistee County Planning Department