



JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

INTERNET: www.deq.state.mi.us

RUSSELL J. HARDING, Director

February 7, 2000

Mr. Leonard Peters, Chairperson
Eaton County Board of Commissioners
1045 Independence Blvd.
Charlotte, Michigan 48813

Dear Mr. Peters:

The Department of Environmental Quality (DEQ) received the locally approved update to the Eaton County Solid Waste Management Plan (Plan) on August 19, 1999.

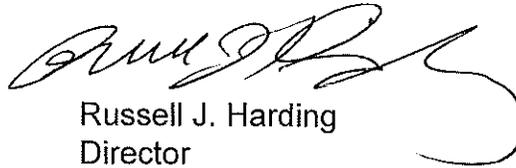
By this letter, this Plan is hereby approved and Eaton County now assumes responsibility for the enforcement and implementation of this Plan. The DEQ would like to thank Eaton County for its efforts in addressing the County's solid waste management issues.

By approving the Plan, the DEQ has determined that it complies with the provisions of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), and the Part 115 rules concerning the required content of solid waste management plans. Specifically, the DEQ has determined that the Plan identifies the enforceable mechanisms that authorize the state, a county, a municipality, or a person to take legal action to guarantee compliance with the Plan, as required by Part 115. The Plan is enforceable, however, only to the extent the County properly implements these enforceable mechanisms under applicable enabling legislation. The Plan itself does not serve as such underlying enabling authority, and the DEQ's approval of the Plan neither restricts nor expands the County authority to implement these enforceable mechanisms.

The Plan may also contain other provisions that are neither required nor expressly authorized for inclusion in a solid waste management plan. The DEQ approval of the Plan does not extend to any such provisions. Under Part 115, the DEQ has no statutory authority to determine whether such provisions have any force or effect.

If you have any questions, please contact Mr. Seth Phillips, Chief of the Solid Waste Planning Unit, Waste Management Division, at 517-373-4750.

Sincerely,

A handwritten signature in black ink, appearing to read "Russell J. Harding". The signature is fluid and cursive, with a large, sweeping flourish at the end.

Russell J. Harding
Director
517-373-7917

cc: Senator John J. H. Schwarz, M.D.
Representative Susan Tabor
Mr. Marc Hill, Resource Recovery Department
Mr. Arthur R. Nash Jr., Deputy Director, DEQ
Ms. Cathy Wilson, Legislative Liaison, DEQ
Mr. Jim Sygo, DEQ
Ms. Joan Peck, DEQ
Ms. Elizabeth Browne, DEQ - Shiawassee
Mr. Seth Phillips, DEQ
Mr. Stan Idziak, DEQ
Eaton County File

1999 Eaton County Solid Waste Management Plan



Prepared by:

Eaton County Solid Waste Management Planning Committee

As approved by:

Eaton County Solid Waste Management Planning Committee
Eaton County Board of Commissioners
Eaton County Municipalities

Contact:



EATON COUNTY RESOURCE RECOVERY
1045 INDEPENDENCE BLVD
CHARLOTTE, MI 48813
(517) 543-7500 x627
www.co.eaton.mi.us/recovery/recovery.htm

EATON COUNTY DEPARTMENT OF RESOURCE RECOVERY

1045 INDEPENDENCE BLVD

CHARLOTTE, MI 48813

(517) 485-6444 x627 (517) 543-7500 x627 Fax: (517) 543-7377 www.co.eaton.mi.us/recovery/recovery.htm



August 18, 1999

AUG 19 1999

MR JIM JOHNSON
SOLID WASTE MANAGEMENT UNIT
WASTE MANAGEMENT DIVISION
DEPARTMENT OF ENVIRONMENTAL QUALITY
PO BOX 30241
LANSING MI 48909

DEAR MR JOHNSON:

Enclosed please find Eaton County's 1999 Solid Waste Management Plan Update for the MDEQ review and approval process. This Update has been prepared in accordance with P.A. 451, Part 115 as amended, and conforms to all legislative and Plan Format requirements.

For informational purposes, the following timeline illustrates how the approval process has been followed to date. The Solid Waste Management Planning Committee released the document for County approval in March 1999. In May 1999, the Eaton County Board of Commissioners amended the Update to include provisions that had been left out of the SWMPC draft. The amended Update was then recommended to municipalities for approval and in early August 1999, the County received the required 67% approval for the Solid Waste Management Plan Update. Subsequent approvals from any additional municipalities will be transmitted to MDEQ for inclusion in the Update.

If you have any questions or require further information, please do not hesitate to contact me at (517) 485-6444 x627 or via E-mail at mhill@co.eaton.mi.us. A copy of the Update is also downloadable on the Eaton County website at www.co.eaton.mi.us/recovery/recovery.htm (click on the *solid waste management plan link*). On behalf of Eaton County, I want to thank you very much for your consideration of the Eaton County Solid Waste Management Plan Update.

Sincerely,

A handwritten signature in cursive script that reads "Marc A. Hill".

Marc A. Hill
Resource Recovery Coordinator

enclosure

EATON COUNTY DEPARTMENT OF RESOURCE RECOVERY

---RETHINKING OUR DEPENDENCE ON NATURAL RESOURCES TODAY
BY REDUCING, REUSING & RECYCLING FOR A BETTER TOMORROW---

EATON COUNTY

1999 SOLID WASTE MANAGEMENT PLAN UPDATE

AS REQUIRED BY SECTION 11539a OF
PART 115, SOLID WASTE MANAGEMENT, OF
THE NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT
1994 PA 451, AS AMENDED



John Engler, Governor
Russell J. Harding, Director

Michigan Department of Environmental Quality
Waste Management Division

This document is available to download from our Internet site at:
<http://www.deq.state.mi.us./wmd/sections/swpshome.html>

The Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, requires that each County have a Solid Waste Management Plan Update (Plan) approved by the Michigan Department of Environmental Quality (DEQ). Section 11539a requires the DEQ to prepare and make available a standardized format for the preparation of these Plan updates. This document is that format. The Plan should be prepared using this format without alteration. Please refer to the document entitled "Guide to Preparing the Solid Waste Management Plan Update" for assistance in completing this Plan format.

DATE SUBMITTED TO THE DEQ: August 18, 1999

If this Plan includes more than a single County, list all counties participating in this Plan.

The following lists all the municipalities from outside the County who have requested and have been accepted to be included in the Plan, or municipalities within the County that have been approved to be included in the Plan of another County according to Section 11536 of Part 115 of the NREPA. Resolutions from all involved County boards of commissioners approving the inclusion are included in Appendix E.

<u>Municipality</u>	<u>Original Planning County</u>	<u>New Planning County</u>
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DESIGNATED PLANNING AGENCY PREPARING THIS PLAN UPDATE:

Eaton County Department of Resource Recovery

CONTACT PERSON: Marc Hill - Resource Recovery Coordinator

ADDRESS: 1045 Independence Blvd.

Charlotte, MI 48813

PHONE: (517) 543-7500 x627

FAX: (517) 543-7377

(If Applicable)

E-MAIL: mhill@co.eaton.mi.us

(If Applicable)

CENTRAL REPOSITORY LOCATION(S): Eaton County Resource Recovery

1045 Independence Blvd., Charlotte, MI 48813

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EXECUTIVE SUMMARY

The following summarizes the solid waste management system selected to manage solid waste within the County. In case of conflicting information between the executive summary and the remaining contents of the Plan update, the information provided in the main body of the Plan update found on the following pages will take precedence over the executive summary.

OVERALL VIEW OF THE COUNTY (attach additional pages as necessary)

Township or Municipality Name	Population	% Land Use			% of Economic Base*			
		Rural	Urban	Ag	For	Ind	Com	Other
<u>Bellevue (Twp & Vil)</u>	<u>3,137</u>	<u>97%</u>	<u>3%</u>	<u>58%</u>	<u>20%</u>	<u>0%</u>	<u>2%</u>	<u>20%</u>
<u>Benton Twp</u>	<u>2,855</u>	<u>93%</u>	<u>7%</u>	<u>66%</u>	<u>13%</u>	<u>.2%</u>	<u>.5%</u>	<u>20%</u>
<u>Brookfield Twp</u>	<u>1,373</u>	<u>99%</u>	<u>1%</u>	<u>71%</u>	<u>15%</u>	<u>0%</u>	<u>.1%</u>	<u>14%</u>
<u>Carmel Twp</u>	<u>2,566</u>	<u>93%</u>	<u>7%</u>	<u>70%</u>	<u>13%</u>	<u>1%</u>	<u>1%</u>	<u>15%</u>
<u>Charlotte (City)</u>	<u>8,940</u>	<u>Data included in Carmel and Eaton Twps</u>						
<u>Chester Twp</u>	<u>1,727</u>	<u>98%</u>	<u>2%</u>	<u>73%</u>	<u>15%</u>	<u>0%</u>	<u>0%</u>	<u>12%</u>
<u>Delta Twp</u>	<u>29,443</u>	<u>67%</u>	<u>33%</u>	<u>35%</u>	<u>14%</u>	<u>3%</u>	<u>4%</u>	<u>44%</u>
<u>Eaton Rapids (City)</u>	<u>5,131</u>	<u>Data included in Eaton Rapids and Hamlin Twps</u>						
<u>Eaton Rapids Twp</u>	<u>3,372</u>	<u>90%</u>	<u>10%</u>	<u>62%</u>	<u>15%</u>	<u>.2%</u>	<u>.4%</u>	<u>32.5%</u>
<u>Eaton Twp</u>	<u>3,804</u>	<u>89%</u>	<u>11%</u>	<u>58%</u>	<u>15%</u>	<u>1%</u>	<u>.5%</u>	<u>25.5%</u>
<u>Grand Ledge (City)</u>	<u>8,092</u>	<u>Data included in Oneida Twp</u>						
<u>Hamlin Twp</u>	<u>2,553</u>	<u>93%</u>	<u>7%</u>	<u>60%</u>	<u>22%</u>	<u>.2%</u>	<u>1%</u>	<u>17%</u>
<u>Kalamo Twp</u>	<u>1,801</u>	<u>99%</u>	<u>1%</u>	<u>69%</u>	<u>15%</u>	<u>0%</u>	<u>0%</u>	<u>16%</u>
<u>Lansing (City, part)</u>	<u>4,890</u>	<u>Data included in Delta and Windsor Twps</u>						
<u>Olivet (City)</u>	<u>1,712</u>	<u>Data included in Walton Twp</u>						
<u>Oneida Twp</u>	<u>3,572</u>	<u>88%</u>	<u>12%</u>	<u>70%</u>	<u>12%</u>	<u>.4%</u>	<u>1%</u>	<u>17%</u>
<u>Potterville (City)</u>	<u>1,712</u>	<u>Data included in Benton Twp</u>						
<u>Roxand Twp &</u>								
<u> Mulliken (Village)</u>	<u>2,108</u>	<u>98%</u>	<u>2%</u>	<u>82%</u>	<u>12%</u>	<u>0%</u>	<u>.3%</u>	<u>6%</u>
<u>Sunfield Twp & Vil</u>	<u>2,328</u>	<u>98%</u>	<u>2%</u>	<u>77%</u>	<u>13%</u>	<u>.1%</u>	<u>.2%</u>	<u>10%</u>

Vermontville Twp &

<u>Village</u>	<u>2,034</u>	<u>98%</u>	<u>2%</u>	<u>64%</u>	<u>18%</u>	<u>0%</u>	<u>.2%</u>	<u>18%</u>
<u>Walton Twp</u>	<u>1,892</u>	<u>94%</u>	<u>6%</u>	<u>62%</u>	<u>16%</u>	<u>0%</u>	<u>.3%</u>	<u>12%</u>
<u>Windsor Twp &</u>								
<u>Dimondale (Vil)</u>	<u>7,089</u>	<u>87%</u>	<u>13%</u>	<u>54%</u>	<u>14%</u>	<u>.3%</u>	<u>1%</u>	<u>31%</u>

Total Population 102,131

Source: Eaton County Comprehensive Development Plan - October 1997

*Ag = Agriculture; For = Forestry; Ind = Industry; Com = Commercial; Oth = All Other Economic Bases
Additional listings, if necessary, are listed on an attached page.

EXECUTIVE SUMMARY

CONCLUSIONS

The County will continue to rely upon the current practice of exporting waste to landfills outside of its borders and place renewed emphasis on resource recovery, waste reduction, and resource conservation for several reasons. While the County has made headway in the resource recovery arena, there is still much progress to be made. Local units have begun to implement resource recovery projects, which will continue to improve upon current diversion and work to reach the goals set forth in this plan.

The need to site a facility in Eaton County was not a consideration because the current landfill capacity available to the County is sufficient, as is the interest in continuing to export waste to existing landfills.

SELECTED ALTERNATIVES

Eaton County will utilize the current methods of waste reduction, conservation and resource recovery to their fullest, while continuing to rely on exportation to landfills for the remaining waste. Current progress in resource recovery efforts have proven to be effective in diverting quantities of Eaton County's waste stream from landfills and improvements in this area will continue to be made. Programs will be developed to implement waste reduction and resource conservation strategies, which can have a significant impact on waste needing disposal.

Education of the public on solid waste issues and their impact will be of utmost importance. An educated body can make wise choices regarding disposal alternatives and the proper handling of all wastes generated within the County. While the population continues to grow, so will the necessity for programs to meet the solid waste needs of that population. Eaton County will take a progressive approach in addressing those needs in order to be a leader in solid waste management.

Currently, private waste haulers are the vehicle by which the generated waste and most recycling is handled, and with the export capacity available to the County, they will continue to be a primary source in the foreseeable future. While many resource recovery programs exist at the local level, waste haulers can provide a conglomeration of services to each resident at a reasonable cost. Therefore, a strong working relationship with these waste haulers will be a major component of the solid waste plan.

Current landfills that serve Eaton County have sufficient capacity, and many Counties are expanding their import/export agreements to allow for a freer-flow of waste. This expansion means that more options for solid waste disposal will be available to Eaton County to fulfill the Act 451 requirements.

INTRODUCTION

GOALS AND OBJECTIVES

To comply with Part 115 and its requirements, each Plan must be directed toward goals and objectives based on the purposes stated in Part 115, Sections 11538.(1)(a), 11541.(4) and the State Solid Waste Policy adopted pursuant to this Section, and Administrative Rules 711(b)(i) and (ii). At a minimum, the goals must reflect two major purposes of Solid Waste Management Plans:

- (1) To utilize to the maximum extent possible the resources available in Michigan's solid waste stream through source reduction, source separation, and other means of resource recovery and;
- (2) to prevent adverse effects on the public health and the environment resulting from improper solid waste collection, transportation, processing, or disposal, so as to protect the quality of the air, the land, and ground and surface waters.

This Solid Waste Management Plan works toward the following goals through actions designed to meet the objectives described under the respective goals which they support:

Goal 1: To promote the recovery and disposal of solid waste in a manner which will protect public health and the environment.

Objective 1a: Continue to coordinate waste reduction, recycling and composting programs.

Objective 1b: Continue to institute and promote volume-based pricing for waste disposal within the county.

Goal 2: To utilize, to the maximum extent possible, within the limitations of practicability and economics, the resources available in the solid waste stream.

Objective 2a: Encourage businesses, hospitals, etc. to be involved in waste reduction, recycling and composting by establishing a free waste audit program.

Objective 2b: Aid local unit resource recovery programs in promotion and education of resource recovery programs

Objective 2c: Aid in the development and securing of markets for the recyclable material generated within the County.

INTRODUCTION

Goal 3: To determine the best management system for Eaton County guided by the Michigan Solid Waste Management Policy, which advocates the implementation of an integrated waste management system including waste reduction, reuse, recycling and composting first, and then landfilling/incineration as remaining alternatives.

Objective 3a: Evaluate the management system perpetually in order to correct deficiencies and establish a framework for improving the components involved.

Objective 3b: Re-establish solid waste management goals in order to achieve incremental increases in diversion rates on an annual basis.

Goal 4 To promote education regarding solid waste management.

Objective 4a: Provide educational opportunities on solid waste issues for local schools and businesses.

Objective 4b: Keep the public informed about recycling opportunities, household hazardous waste collections and other special collections/issues through various media including: newspaper, television, radio, and other printed material.

Note: Additional goals and objectives are listed on attached pages.

DATA BASE

Identification of sources of waste generation within the county, total quantity of solid waste generated to be disposed, and sources of the information. (Attach additional pages as necessary)

The following information was derived from three sources: (1) The current reported volumes from waste haulers and recycling programs within Eaton County, (2) Volumes reported according to the MDEQ Annual Solid Waste Report, and (3) Factors developed for the average generation per person from 1990 Plan Update. To extract the average generation figure, each report was compared for percentage make-up of the waste stream (residential, commercial, industrial) and then pounds per individual were calculated. These figures are the best representation of Eaton County's waste available for the planning process.

Figures were calculated to contain wastes including construction and demolition, industrial and low hazard wastes. However, wastewater treatment sludge volumes are not applicable because sludges in the County are land applied. Therefore, they are not considered generated or needing disposal.

Waste Type	Current Annual Volume	Five-Year Annual Volume	Ten-Year Annual Volume
Residential Solid Waste	68,964 tons	71,501 tons	74,033 tons
Commercial Solid Waste	22,157 tons	23,045 tons	23,999 tons
Industrial Solid Waste	5,614 tons	5,949 tons	6,193 tons
Total Waste Generated	96,735 tons	100,495 tons	104,225 tons

Average Generation per Resident/Commercial employee/Industrial employee

Residential - 3.7 lbs per day (365 days/year) - generated

Commercial - 5.6 lbs per working day (260 days/year) - generated

Industrial - 10.6 lbs per working day (260 days/year) - generated

No major problems are anticipated with managing the County's solid waste. The current resource recovery programs have potential for growth and current participation has made an impact on the amount of waste needing disposal. Population and commercial growth areas may experience increased levels of solid waste generation, however, significant resource recovery programs exist in those locales.

TOTAL QUANTITY OF SOLID WASTE GENERATED:

96,735 Tons or Cubic Yards in 1 year (identify unit of time) 1998

TOTAL QUANTITY OF SOLID WASTE NEEDING DISPOSAL:

80,290 Tons or Cubic Yards in 1 year (identify unit of time) 1998

DATA BASE

Inventory and description of all solid waste disposal areas within the County or to be utilized by the County to meet its disposal needs for the planning period.

The following table is a summary of those landfills that are serving/may serve Eaton County's solid waste disposal needs. For more specific information, please refer to the facility description section of the Plan update. This list is not inclusive of all facilities that may accept Eaton County's waste

Name	Location	Current Volume	Current Capacity	Estimated Lifetime
Arbor Hills Landfill	Washtenaw County	3,500,000 CY	30,500,000 CY	17.6 Years
Autumn Hills RDF	Ottawa County	500,000 Tons	20,750,000 Tons	30.2 Years
Brent Run Landfill	Genesee County	400,000 CY	14,000,000 CY	30 Years
C & C Landfill	Calhoun County	1,100,000 CY	3,360,000 CY	7 Years
Central Sanitary Landfill	Montcalm County	100,000 CY	373,428 CY	2 Years
Citizens Disposal, Inc.	Genesee County	500,000 CY	5,300,000 CY	25 Years
Daggett Sand & Gravel	Ingham County	7,500 CY	60,000 CY	7 Years
Granger Landfill - Watertown	Clinton County	600,000 CY	7,617,000 CY	32 Years
Granger Landfill - Wood Street	Clinton County	600,000 CY	10,981,000 CY	34 Years
Hastings Sanitary Landfill	Barry County	135,000 CY	5,000,000 CY	10 Years
Liberty Environmental Landfill	Jackson County	155,000 CY	400,000 CY	20 Years
Ottawa County Farms Landfill	Ottawa County	500,000 Tons	16,500,000 CY	25 Years
Pitsch Landfill	Ionia County	83,000 Tons	415,000 Tons	5 Years*
Venice Park Recycling & Disposal	Shiawassee County	526,000 CY	1,300,000 CY	2.5 Years
Vienna Junction Ind Park Landfill	Monroe County	1,000,000 CY	11,400,000 CY	25 Years
Westside Landfill	St. Joseph County	1,200,000 CY	6,430,000 CY	12 Years

*see facility description

DATA BASE

Private waste haulers have the ability to dispose of waste at landfills of their choosing, provided an import/export agreement with the host County is in the Plan. In order for Eaton County to fulfill its capacity requirements, a percentage breakdown of waste disposal needs to be included so that the Eaton County waste at each facility can be identified. The following table indicates the percentage of Eaton County waste currently being disposed (1997):

Name	Location	% of Eaton County Waste (1997)			Total
		Type II	Type III	Seg Waste	
Arbor Hills Landfill	Washtenaw County	0%	0%	n/a	0%
Autumn Hills RDF	Ottawa County	0%	0%	n/a	0%
Brent Run Landfill	Genesee County	0%	0%	n/a	0%
C & C Landfill	Calhoun County	18.1%	.6%	n/a	18.7%
Central Sanitary Landfill	Montcalm County	0%	0%	n/a	0%
Citizens Disposal, Inc.	Genesee County	0%	0%	n/a	0%
Daggett Sand & Gravel	Ingham County	n/a	.4%	n/a	.4%
Granger Landfill - Watertown	Clinton County	42.5%	13.7%	n/a	56.2%
Granger Landfill - Wood Street	Clinton County	7.5%	.6%	n/a	8.1%
Hastings Sanitary Landfill	Barry County	2.8%	n/a	n/a	2.8%
Liberty Environmental Landfill	Jackson County	.3%	n/a	n/a	.3%
Ottawa County Farms Landfill	Ottawa County	0%	0%	n/a	0%
Philip McGill Road Landfill	Jackson County	1%	n/a	n/a	1%
Pitsch Landfill	Ionia County	0%	0%	n/a	0%
Venice Park Recycling & Disposal	Shiawassee County	0%	0%	n/a	0%
Westside Landfill	St. Joseph County	0%	0%	n/a	0%

DATA BASE

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Liberty Environmentalists Incorporated

County: Jackson Location: Town:4S Range: 1WSection(s): 1

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Liberty Environmentalists Incorporated

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: _____

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:	<u>215</u>	acres
Total area sited for use:	<u>65</u>	acres
Total area permitted:	<u>15</u>	acres
Operating:	<u>15</u>	acres
Not excavated:	<u>40</u>	acres
Current capacity:	<u>400,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>20</u>	years
Estimated days open per year:	<u>300</u>	days
Estimated yearly disposal volume:	<u>155,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>N/A</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Pitsch Sanitary Landfill

County: Ionia Location: Town: Orleans Range: 7W Section(s): 7 ___

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Pitsch Companies

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: ___

* Explanation of special wastes, including a specific list and/or conditions:
Street sweepings, asbestos

Site Size:

Total area of facility property:	<u>148.44</u>	acres
Total area sited for use:	<u>28.36</u>	acres
Total area permitted:	<u>78.44</u>	acres
Operating:	<u>9.87</u>	acres
Not excavated:	<u>70</u>	acres

Current capacity:	<u>415,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	<u>5</u>	years
Estimated days open per year:	<u>307</u>	days
Estimated yearly disposal volume:	<u>83,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

Pitsch Companies have a pending construction permit that will extend landfill life another 30 years.

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	___	megawatts
Waste-to-energy incinerators:	___	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Autumn Hills Recycling & Disposal Facility

County: Ottawa Location: Town: 5N Range: 14W Section(s): 36 ___

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Autumn Hills RDF - A Division of Waste Management of Michigan, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other:

* Explanation of special wastes, including a specific list and/or conditions:

exhausted oak wood trays, minor first aid waste, contaminated pharmaceuticals manufacture, paint booth filters, dewatered waste water treatment sludge, out of spec/out of date food supplements, spent epoxy powder coatings, sand blasting sand, woodchips/dust from production, shot blast, construction and demolition materials, foundry sand, filter press cake, incinerator ash, saw dust, contaminated soils, auto fluff, asbestos, grinding sludge, carwash sand pit/traps, and food materials.

Site Size:

Total area of facility property:	<u>314</u>	acres
Total area sited for use:	<u>197</u>	acres
Total area permitted:	<u>99.3</u>	acres
Operating:	<u>35.1</u>	acres
Not excavated:	<u>64.2</u>	acres
Current capacity:	<u>20,750,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	<u>30.2</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>500,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>n/a</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Waste Management Inc., of Hastings

County: Barry Location: Town: 3W Range: 8N Section(s): 6 ___

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Waste Management Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: asbestos

* Explanation of special wastes, including a specific list and/or conditions:
foundry sand, fly ash, wastewater sludges, trees & stumps

Site Size:

Total area of facility property:	<u>330</u>	acres
Total area sited for use:	<u>330</u>	acres
Total area permitted:	<u>48</u>	acres
Operating:	<u>19.5</u>	acres
Not excavated:	<u>28.5</u>	acres

Current capacity:	<u>5,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>10+</u>	years
Estimated days open per year:	<u>308</u>	days
Estimated yearly disposal volume:	<u>175,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>n/a</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Westside Recycling and Disposal Facility

County: St. Joseph Location: Town: 6S Range: 12W Section(s): 26

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Waste Management Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: all non-hazardous solid wastes acceptable in Type II

* Explanation of special wastes, including a specific list and/or conditions: asbestos, foundry sand, wastewater treatment sludge, industrial process waste, etc.

Site Size:

Total area of facility property:	<u>640</u>	acres
Total area sited for use:	<u>490</u>	acres
Total area permitted:	<u>85</u>	acres
Operating:	<u>85</u>	acres
Not excavated:	—	acres
Current capacity:	<u>14,790,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ gateyards
Estimated lifetime:	<u>12</u>	years
Estimated days open per year:	<u>300+</u>	days
Estimated yearly disposal volume:	<u>1,200,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ gateyards

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>n/a</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: C & C Landfill

County: Calhoun Location: Town: Convis Range: 6W Section(s): 28 _____

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: BFI Waste Systems of North America, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: _____

* Explanation of special wastes, including a specific list and/or conditions:
non-hazardous solid and semi-solid wastes, no hazardous or liquid wastes

Site Size:

Total area of facility property:	<u>224</u>	acres
Total area sited for use:	<u>154</u>	acres
Total area permitted:	<u>129</u>	acres
Operating:	<u>33</u>	acres
Not excavated:	<u>21</u>	acres
Current capacity:	<u>3,360,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>7</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>1,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ gateyards

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>3</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type III Landfill

Facility Name: Daggett Sand & Gravel

County: Ingham Location: Town: 4N Range: 2W Section(s): 3 (1016 E. Sheridan Rd, Lansing, MI)

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Daggett Sand & Gravel, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: _____

* Explanation of special wastes, including a specific list and/or conditions:
n/a

Site Size:

Total area of facility property:	<u>10</u>	acres
Total area sited for use:	<u>6.4</u>	acres
Total area permitted:	<u>6.4</u>	acres
Operating:	<u>2-3</u>	acres
Not excavated:	—	acres
Current capacity:	<u>60,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>7</u>	years
Estimated days open per year:	<u>250</u>	days
Estimated yearly disposal volume:	<u>7,500</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>n/a</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Walton Twp Transfer Station

County: Eaton Location: Town: Walton Range: ___ Section(s): 29

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: C&C Landfill

Public Private Owner: BFI Waste Systems of North America, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: ___

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: ___ acres
 Total area sited for use: ___ acres
 Total area permitted: ___ acres
 Operating: ___ acres
 Not excavated: ___ acres
 Current capacity: ___ tons or yds³
 Estimated lifetime: ___ years
 Estimated days open per year: 104 days
 Estimated yearly disposal volume: 3,500 tons or yds³

(if applicable)

Annual energy production:
 Landfill gas recovery projects: ___ megawatts
 Waste-to-energy incinerators: ___ megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Granger Grand River Avenue Landfill

County: Clinton Location: Town: 5N Range: 3W Section(s): 29

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

Public Private Owner: Granger Land Development Company

Operating Status (check)	Waste Types Received (check all that apply)
<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed * ¹	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input checked="" type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, but closure pending	<input checked="" type="checkbox"/> special wastes *
	<input checked="" type="checkbox"/> other: <u>Type III wastes</u>

* Explanation of special wastes, including a specific list and/or conditions:
All as authorized

Site Size:

Total area of facility property: * ¹	<u>180.9</u>	acres
Total area sited for use:	<u>120.9</u>	acres
Total area permitted:	<u>85.7</u>	acres
Operating:	<u>54.1</u>	acres
Not excavated:	<u>31.6</u>	acres
Current capacity:	<u>7,617,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Air Yards
Estimated lifetime:	<u>32</u>	years
Estimated days open per year:	<u>300</u>	days
Estimated yearly disposal volume:	<u>600,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Gate Yards

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>4.0</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

*¹ Includes acres of (separate) closed facility to be consistent with DEQ numbers on permits and licenses.

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Granger Wood Street Landfill

County: Clinton/Ingham Location: Town: 5N 4N Range: 2W Section(s): 34 3

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Granger Waste Management Company

Operating Status (check)

- open
- closed *1
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: Type III wastes

* Explanation of special wastes, including a specific list and/or conditions:
All as authorized

Site Size:

Total area of facility property: *1	<u>302.8</u>	acres
Total area sited for use: (Plan)	<u>194.8</u>	acres +67 (future permitting in Ingham Co.)
Total area permitted: (for disposal, i.e. SWB)	<u>104.3</u>	acres
Operating: (Licensed and Certified)	<u>49.5</u>	acres
Not developed:	<u>54.8</u>	acres
Current capacity:	<u>10,981,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Air Yards
Estimated lifetime:	<u>34</u>	years
Estimated days open per year:	<u>260</u>	days
Estimated yearly disposal volume:	<u>600,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Gate Yards

(if applicable)

Annual energy production:

Landfill gas recovery projects:	<u>3.2</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

*1 Includes acres of (separate) Paulson Street facility to be consistent with DEQ numbers on permits and licenses.

Also includes spoil/borrow areas to be consistent with DEQ numbers on permits and licenses.

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Venice Park Recycling and Disposal Facility

County: Shiawassee Location: Town: 7N Range: 4E Section(s): 27

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Waste Management of MI, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: Non-hazardous liquids for solidification

* Explanation of special wastes, including a specific list and/or conditions:

Contaminated soils, sludges, filter cake, process wastes, coal ash, foundry sand, chemical containing equipment, used containers, treated medical waste, contaminated demolition debris, street sweeping, sediment trap materials, asbestos.

Site Size:

Total area of facility property:	<u>331</u>	acres
Total area sited for use:	<u>80</u>	acres
Total area permitted:	<u>69</u>	acres
Operating:	<u>41</u>	acres
Not excavated:	<u>2.5</u>	acres
Current capacity:	<u>1,300,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ bank remaining
Estimated lifetime:	<u>2.5</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>526,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>12,500</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Ottawa County Farms Landfill

County: Ottawa Location: Town: 8N Range: 14W Section(s): 26 & 27

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Waste Management of MI, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 314 acres
Total area sited for use: 197 acres
Total area permitted: 99.3 acres
Operating: 37 acres
Not excavated: 125 acres

Current capacity: 16,500,000 tons or yds³
Estimated lifetime: 25-30 years
Estimated days open per year: 286 days
Estimated yearly disposal volume: 500,000 tons or yds³

(if applicable)

Annual energy production:
Landfill gas recovery projects: 4,565 megawatts
Waste-to-energy incinerators: n/a megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Citizens Disposal, Inc.

County: Genesee Location: Town: 6 Range: 6 Section(s): 23

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Allied Waste Industries

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: Asbestos

* Explanation of special wastes, including a specific list and/or conditions:

All special waste requires prior review and approval including analytical data and waste profile - non-hazardous only.

Site Size:

Total area of facility property: 300 +/- acres
 Total area sited for use: 300 +/- acres
 Total area permitted:
 Operating: 52 acres
 Not excavated: 80 acres

Current capacity: 5,300,000 tons or yds³
 Estimated lifetime: 25 years
 Estimated days open per year: 300 days
 Estimated yearly disposal volume: 500,000 tons or yds³

(if applicable)

Annual energy production:
 Landfill gas recovery projects: 2.4 megawatts
 Waste-to-energy incinerators: n/a megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Brent Run Landfill

County: Genesee Location: Town: Montrose Range: 5E Section(s): 23

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: City Management Corporation

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other:

* Explanation of special wastes, including a specific list and/or conditions: sludge, asbestos

Site Size:

Total area of facility property:	<u>500</u>	acres
Total area sited for use:	<u>350</u>	acres
Total area permitted:	<u>106.5</u>	acres
Operating:	<u>38.91</u>	acres
Not excavated:	<u>67.56</u>	acres
Current capacity:	<u>14,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ in place
Estimated lifetime:	<u>30+</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>400,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ in place

(if applicable)

Annual energy production:

Landfill gas recovery projects:	<u>2</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Central Sanitary Landfill

County: Montcalm Location: Town: 11 Range: 10 Section(s): 21

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Allied Wastes

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other:

* Explanation of special wastes, including a specific list and/or conditions:
foundry sand, asbestos

Site Size:

Total area of facility property:	<u>315</u>	acres
Total area sited for use:	<u>120.32</u>	acres
Total area permitted:	<u>18.45</u>	acres
Operating:	<u>18.45</u>	acres
Not excavated:	<u>5.76</u>	acres

Current capacity:	<u>373,428</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>4.94</u>	years
Estimated days open per year:	<u>306</u>	days
Estimated yearly disposal volume:	<u>100,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>n/a</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

DATA BASE

SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION INFRASTRUCTURE

The following describes the solid waste collection services and transportation infrastructure that will be utilized within the County to collect and transport solid waste.

Commercial and municipal solid waste collection services are provided by private waste haulers in Eaton County. There are currently 11 licensed waste haulers providing service to the County.

Service Provider	Service Area	Payment	Disposal Facility
Allied Disposal Company	Delta, Oneida Twp	Customer	Granger Landfills - Clinton County
BFI	Eaton County	Customer	C&C Landfill - Calhoun County
Baldwin Brothers MRS	Brookfield, Eaton Rapids, Eaton & Hamlin Twps	Customer	Granger Landfills - Clinton County
Hastings Sanitary Service	Bellevue, Kalamo Carmel, Walton Twps & Charlotte	Customer	Hastings Sanitary Landfill - Barry County
Granger Container Service	Delta & Windsor Twp, Grand Ledge, Charlotte	Customer	Granger Landfills - Clinton County
Jim's Pickup Service	Mulliken, Sunfield & Vermontville Twps	Customer	Hastings Sanitary Landfill - Barry County
Les's Sanitary Service	Sunfield & Vermontville Twps	Customer	Hastings Sanitary Landfill - Barry County
Liberty Environmentalists, Inc.	Hamlin, Brookfield & Walton Twps	Customer	Liberty Environmental Landfill - Jackson County
Pick-A-Dilley Disposal	Mulliken	Customer	Granger Landfills - Clinton County
S&S Trucking, Inc.	Charlotte and surrounding area	Customer	C&C Landfill - Calhoun County
Waste Management of MI	Eaton County	Customer	C&C Landfill - Calhoun County

Because Eaton County is an exporter of solid waste, it is necessary for significant corridors to be available for transportation. I-69, M-50 and M-79 are the primary roadways utilized for transportation of solid waste to the designated landfills (see attached map). Each of these roadways is either an interstate or state highway and, as such, are appropriately maintained for heavy traffic loads.

DATA BASE

EVALUATION OF DEFICIENCIES AND PROBLEMS

The following is a description of problems or deficiencies in the existing solid waste system.

Overall the solid waste system that is in place is working effectively. The Solid Waste Ordinance of 1993 has worked to resolve many of the impediments to resource recovery programs that may have existed in the past, however some shortcomings still exist.

1. Eaton County does not have a disposal facility within its borders and continues to be dependent on exporting solid waste to landfills in neighboring counties. Future closures of these landfills could put excessive pressure on Eaton County to site a facility. However, current conditions indicate that Eaton County has sufficient capacity for the foreseeable future.
2. The lack of a disposal facility also means that waste haulers have to travel significantly longer distances for final disposal at the specified landfills. The increased use of roadways accelerates the degradation of the transportation infrastructure, and may lead to increased costs for the County. It also increases fuel consumption and vehicle maintenance for the waste hauler industry.
3. The diversion goals set forth in the 1990 Plan Update have not been met, and may have been unrealistic to begin with. Resource recovery programs have leveled-off somewhat with regards to diversion, however they have not reached the potential of Eaton County.
4. Local unit, non-profit and private recycling programs have experienced problems due to the lack of markets and the relative low-market value of materials generated. Continued degradation of these markets could mean a retraction of many recycling services available to the County. Efforts need to be made to secure markets, so recycling programs can continue to provide service to the community and expand.

DATA BASE

DEMOGRAPHICS

The following presents the current and projected population densities and centers for five and ten year periods, identification of current and projected centers of solid waste generation including industrial solid waste for five and ten year periods as related to the Selected Solid Waste Management System for the next five and ten year periods. Solid waste generation data is expressed in tons or cubic yards, and if it was extrapolated from yearly data, then it was calculated by using 365 days per year, or another number of days as indicated.

As the following table indicates, population centers will occur in Delta and Windsor Townships and the Cities of Charlotte and Grand Ledge. Larger expansion may occur in the Northwestern Townships due to the proximity to Lansing and the recent increase in population. However, no real threats pertaining to solid waste are forecasted for any part of Eaton County.

Township	Current - 2000	5-Year - 2005	10-Year - 2010
Bellevue Twp & Village	3,137	3,252	3,367
Benton Twp	2,855	2,960	3,065
Brookfield Twp	1,373	1,423	1,473
Carmel Twp	2,566	2,660	2,754
City of Charlotte	8,940	9,269	9,597
Chester Twp	1,727	1,791	1,854
Delta Twp	29,443	30,525	31,607
City of Eaton Rapids	5,131	5,320	5,508
Eaton Rapids Twp	3,372	3,496	3,620
Eaton Twp	3,804	3,944	4,084
City of Grand Ledge	8,092	8,390	8,687
Hamlin Twp	2,553	2,647	2,741
Kalamo Twp	1,801	1,867	1,933
City of Lansing (part)	4,890	5,070	5,249
City of Olivet	1,712	1,775	1,838
Oneida Twp	3,572	3,704	3,835
City of Potterville	1,712	1,775	1,838
Roxand Twp & Village of Mulliken	2,108	2,186	2,263
Sunfield Twp & Village	2,328	2,414	2,500
Vermontville Twp & Village	2,034	2,109	2,184
Walton Twp	1,892	1,962	2,031
Windsor Twp & Village of Dimondale	7,089	7,350	7,610
Total Population for Eaton County	102,131	105,889	109,637

Source: Eaton County Comprehensive Development Plan - October 1997

The following table indicates the current and projected solid waste generation centers including industrial waste for five and ten year periods. All figures are displayed in tons, unless otherwise specified.

Township	Current - 2000	5-Year - 2005	10-Year - 2010
Bellevue Twp & Village	2,519	2,599	2,678
Benton Twp	2,205	2,276	2,350
Brookfield Twp	961	996	1,030
Carmel Twp	2,242	2,323	2,411
City of Charlotte	10,687	11,073	11,446
Chester Twp	1,187	1,231	1,274
Delta Twp	32,226	33,648	35,097
City of Eaton Rapids	5,222	5,354	5,493
Eaton Rapids Twp	2,336	2,420	2,503
Eaton Twp	2,853	2,957	3,062
City of Grand Ledge	6,850	7,098	7,348
Hamlin Twp	1,837	1,902	1,967
Kalamo Twp	1,229	1,274	1,319
City of Lansing (part)	3,302	3,424	3,544
City of Olivet	1,690	1,733	1,778
Oneida Twp	2,693	2,792	2,894
City of Potterville	1,416	1,459	1,503
Roxand Twp & Village of Mulliken	1,583	1,637	1,691
Sunfield Twp & Village	1,829	1,890	1,949
Vermontville Twp & Village	1,552	1,602	1,655
Walton Twp	1,426	1,473	1,520
Windsor Twp & Village of Dimondale	9,000	9,336	9,713
Total Generated for Eaton County	96,842	100,495	104,225

As the table indicates, the projected centers for solid waste generation are Delta and Windsor Township and the cities of Charlotte and Grand Ledge. These projections are consistent with the population centers displayed above.

DATA BASE

LAND DEVELOPMENT

The following describes current and projected land development patterns, as related to the Selected Solid Waste Management System, for the next five and ten year periods.

Eaton County has developed a Comprehensive Development Plan, completed in October 1997, to help guide growth. Three townships in Eaton County (Delta, Oneida and Windsor) are charter townships which entitles them to proceed with their own development plans. These areas are the major growth centers for Eaton County, and as such, will feel more development pressure than other areas.

The County is attempting to guide growth in community centers, while preserving farmlands and open space. As these plans are implemented, solid waste management can become more efficient, urban sprawl will be under greater control and community growth will be concentrated. This will also lead to a better solid waste management plan system for Eaton County.

Please view the maps (located in Appendix D-4) for visual reference for the projected land development patterns for the County until approximately 2020.

DATA BASE

SOLID WASTE MANAGEMENT ALTERNATIVES (attach additional pages as necessary)

The following briefly describes all solid waste management systems considered by the County and how each alternative will meet the needs of the County. The manner of evaluation and ranking of each alternative is also described. Details regarding the Selected Alternatives are located in the following section. Details regarding each non-selected alternative are located in Appendix B.

The criteria set forward to evaluate the alternative systems include: technical feasibility, economic feasibility, energy consumption/production, land access/transportation, environmental impacts, public health effects, and public acceptability. Each alternative was examined per the criteria and points were awarded on an acceptability scale (5 being the best score and 1 being the lowest). Please refer to Table II-1 for the ranking of each of the following alternatives.

1. Current Solid Waste Management System

The current system involves the components of waste reduction, resource conservation and resource recovery, while exporting the remaining waste to landfills. In the 1990 Update, the County intended to site a disposal facility within its borders. No facility has been sited and current landfill capacities outside the County have reduced the importance of siting. Since the 1990 Update, the Eaton County Solid Waste Ordinance of 1993 has been developed and utilized. This Ordinance provides funding for resource recovery programs in the county, establishes a pay per bag fee structure to encourage waste reduction, and creates licensing and reporting procedures for waste haulers operating in Eaton County. The Solid Waste Ordinance of 1993 led to the creation of the Department of Resource Recovery which is charged with enforcing the Ordinance, coordinating resource recovery programs in the County, and educating the public on solid waste issues.

This system provides recycling/composting opportunities to Eaton County residents/businesses and provides ample disposal capacity to handle the remaining waste.

2. Current System with Increased Emphasis on Resource Recovery Efforts

This alternative system would put renewed emphasis on resource recovery and waste reduction while continuing with the remaining components listed. Expansion of resource recovery programs, conglomerate marketing of materials, and a more coordinated waste reduction effort will be examined and instituted where feasible. Education on solid waste issues and more emphasis on resource recovery in general will be areas of concentration. Workshops on composting, buying recycled-content products, and waste reduction will be developed, as well as a free waste evaluation program available to organizations in Eaton County. These labors will work toward increasing materials recovered and decreasing waste needing disposal.

3. Recovery/Processing Facility Sited in Eaton County

Siting a Materials Recovery Facility in the area, while continuing to export waste to landfills is another alternative available to the County. Eaton County does not have a MRF to handle all the

materials generated in the region. With more materials available, markets would be easier to locate, not to mention being more efficient and cost effective to utilize. Such a facility would be sited, constructed and maintained by a private contractor, although the County would work closely with the project to ensure it was a success.

4. Regional Transfer Station Sited in Eaton County

The siting of a transfer station in Eaton County would be a significant change from the current state of waste disposal. The facility siting, construction and maintenance will be performed by a private contractor. The facility would provide Eaton County with the ability to access the abundance of landfill capacity throughout the state and/or country. It would also provide opportunities for importation of waste from surrounding counties.

5. Regional Disposal Facility Sited in Eaton County

The siting of a disposal facility (most likely a landfill) means a significant change would occur with regard to current practices. The facility siting, construction and maintenance will be performed by a private contractor. The facility would provide Eaton County with ample capacity for the planning period and provide opportunities for importation of waste from other counties.

Table II-1
Solid Waste Management Alternatives Ranking

Criterion	System 1	System 2	System 3	System 4	System 5
Technical Feasibility	5	5	5	5	5
Economic Feasibility	4	4	3	3	2
Energy Consumption/Production	3	3	4	4	4
Land Access/Transportation	5	5	3	3	2
Environmental Impacts	4	5	4	3	2
Public Health Effects	4	4	4	3	3
Public Acceptability	5	5	4	2	1
Total Points	30	31	27	23	19
Ranking Order	2	1	3	4	5

Based on this system, the various alternatives were ranked as follows (most to least desirable): 1) Exportation of waste with increased emphasis on resource recovery; 2) Exportation of waste with same level of resource recovery effort; 3) Materials Recovery Facility sited in Eaton County; 4) Regional Transfer Station sited in Eaton County; 5) Regional Disposal Facility sited in Eaton County.

SELECTED SYSTEM

the grant funds available from the recycling surcharge, and more may come on line in the future. These programs, coupled with private hauler services, provide residents with opportunities to recycle and compost materials, instead of landfilling them. Other programs exist that have limited access or are not open to the public, such as municipal leaf collection/composting or private industry resource recovery. The private sector may already have their own in house recycling programs that are reducing their disposal costs and the County's overall need for waste disposal. Another focus of the County will be the promotion and expansion of programs like these throughout the business community.

THE SELECTED SOLID WASTE MANAGEMENT SYSTEM

The Selected Solid Waste Management System (Selected System) is a comprehensive approach to managing the County's solid waste and recoverable materials. The Selected System addresses the generation, transfer and disposal of the County's solid waste. It aims to reduce the amount of solid waste sent for final disposal by volume reduction techniques and by various resource conservation and resource recovery programs. It also addresses collection processes and transportation needs that provide the most cost effective, efficient service. Proposed disposal areas locations and capacity to accept solid waste are identified as well as program management, funding, and enforcement roles for local agencies. Detailed information on recycling programs, evaluation, and coordination of the Selected System is included in Appendix B. Following is an overall description of the Selected System:

The selected system utilizes the components of waste reduction, resource conservation and resource recovery, while exporting the remaining waste to sanitary landfills. This system makes use of the abundant capacity of landfills outside the County, while at the same time continuing to make strides in reducing the amount of waste needing disposal. The import/export agreements established for Eaton County provide private waste haulers with the opportunity to dispose of waste in the most economical and practical area for their operation. It is important for Eaton County to be proactive in waste reduction and resource recovery, while working closely with private waste haulers to make sure the system is effective.

A major component of this system is the 1993 Eaton County Solid Waste Ordinance (view the attached copy in Appendix D), which establishes several parameters for waste handling in Eaton County. 1) A Recycling Surcharge is placed on all waste discarded. Residents pay \$.60 per month, businesses pay \$.30/loose yard per month or \$.90/compacted yard per month with a \$20/month maximum cap. These funds are remitted to the Department of Resource Recovery for use in educational programs, county-wide special collections of materials (tires, appliances, HHW, etc.) and for distribution to local unit and non-profit resource recovery programs in the County. 2) Waste Haulers are to be licensed and report to the Department of Resource Recovery on waste disposed and resources recovered on a semi-annual basis. 3) Waste Haulers are to provide a minimum recycling service to residents of Eaton County. 4) Waste Haulers are to provide a volume based or per bag payment option to all residents, which provides an incentive to reduce, recycle and compost.

Several local unit and non-profit recycling and composting operations have been developed and continue to operate with the help of

SELECTED SYSTEM

IMPORT AUTHORIZATION

If a Licensed solid waste disposal area is currently operating within the County, disposal of solid waste generated by the EXPORTING COUNTY is authorized by the IMPORTING COUNTY up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED in Table 1-A.

Table 1-A

CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS ²
-	-	-	-	-	-

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

² Authorization indicated by P = Primary Disposal; C = Contingency Disposal; * = Other conditions exist and detailed explanation is included in the Attachment Section.

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If a new solid waste disposal area is constructed and operating in the future in the County, then disposal of solid waste generated by the EXPORTING COUNTY is authorized by the IMPORTING COUNTY up to the AUTHORIZED QUANTITY according to the AUTHORIZED CONDITIONS in Table 1-B.

Table 1-B

FUTURE IMPORT VOLUME AUTHORIZATION OF SOLID WASTE
CONTINGENT ON NEW FACILITIES BEING SITED

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS ²
<u>Eaton</u>	<u>Allegan</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Barry</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Bay</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Berrien</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Branch</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Calhoun</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Cass</u>	—	—	—	<u>P</u>

Additional authorizations and the above information for those authorizations are listed on an attached page.

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

² Authorization indicated by P = Primary Disposal; C = Contingency Disposal; * = Other conditions exist and detailed explanation is included in the Attachment Section.

SELECTED SYSTEM

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME	AUTHORIZED QUANTITY/DAILY	AUTHORIZED QUANTITY/ANNUAL	AUTHORIZED CONDITIONS
Eaton	Clare				P
Eaton	Clinton				P
Eaton	Genesee				P
Eaton	Gratiot				P
Eaton	Hillsdale				P
Eaton	Ingham				P
Eaton	Ionia				P
Eaton	Isabella				P
Eaton	Jackson				Type III only - P
Eaton	Kalamazoo				P
Eaton	Kent				P
Eaton	Lake				P
Eaton	Lapeer				P
Eaton	Lenawee				P
Eaton	Livingston				P
Eaton	Macomb				P
Eaton	Mecosta				P
Eaton	Midland				P
Eaton	Monroe				P
Eaton	Montcalm				P
Eaton	Muskegon				P
Eaton	Newaygo				P
Eaton	Oceana				P
Eaton	Osceola				P
Eaton	Ottawa				P
Eaton	Oakland				P
Eaton	Saginaw				P
Eaton	Sanilac				P
Eaton	Shiawassee				P
Eaton	St. Clair				P

SELECTED SYSTEM

Eaton	St. Joseph		P
Eaton	Tuscola		P
Eaton	Van Buren		P
Eaton	Washtenaw	500,000 CY	P
Eaton	Wayne		P

These import authorizations are contingent upon a facility being sited in Eaton County, any restrictions listed here or in the reciprocal counties plan being met, and if and only if the each county above has Eaton County specified as both an importer and exporter (reciprocity) of solid waste in their Solid Waste Management Plan. Although no formal agreement is required, these criteria must be met for waste to flow between Eaton County and those counties listed in this Plan.

SELECTED SYSTEM
EXPORT AUTHORIZATION

If a Licensed solid waste disposal area is currently operating within another County, disposal of solid waste generated by the EXPORTING COUNTY is authorized up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED in Table 2-A if authorized for import in the approved Solid Waste Management Plan of the receiving County.

Table 2-A

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

EXPORTING COUNTY	IMPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS ²
<u>Eaton</u>	<u>Allegan</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Barry</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Bay</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Berrien</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Branch</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Calhoun</u>	—	—	—	<u>P</u>
<u>Eaton</u>	<u>Cass</u>	—	—	—	<u>P</u>

Additional authorizations and the above information for those authorizations are listed on an attached page.

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

² Authorization indicated by P = Primary Disposal; C = Contingency Disposal; * = Other conditions exist and detailed explanation is included in the Attachment Section.

SELECTED SYSTEM

EXPORTING COUNTY	IMPORTING COUNTY	FACILITY NAME	AUTHORIZED QUANTITY/DAILY	AUTHORIZED QUANTITY/ANNUAL	AUTHORIZED CONDITIONS
Eaton	Clare				P
Eaton	Clinton				P
Eaton	Genesee				P
Eaton	Gratiot				P
Eaton	Hillsdale				P
Eaton	Ingham				P
Eaton	Ionia				P
Eaton	Isabella				P
Eaton	Jackson				Type III only - P
Eaton	Kalamazoo				P
Eaton	Kent				P
Eaton	Lake				P
Eaton	Lapeer				P
Eaton	Lenawee				P
Eaton	Livingston				P
Eaton	Macomb				P
Eaton	Mecosta				P
Eaton	Midland				P
Eaton	Monroe				P
Eaton	Montcalm				P
Eaton	Muskegon				P
Eaton	Newaygo				P
Eaton	Oceana				P
Eaton	Osceola				P
Eaton	Ottawa				P
Eaton	Oakland				P
Eaton	Saginaw				P
Eaton	Sanilac				P
Eaton	Shiawassee				P

SELECTED SYSTEM

Eaton	St. Clair		P
Eaton	St. Joseph		P
Eaton	Tuscola		P
Eaton	Van Buren		P
Eaton	Washtenaw	500,000 CY	P
Eaton	Wayne		P

These export authorizations are contingent upon any restrictions listed here or in the reciprocal counties plan being met, and if and only if the each county above has Eaton County specified as both an importer and exporter (reciprocity) of solid waste in their Solid Waste Management Plan. Although no formal agreement is required, these criteria must be met for waste to flow between Eaton County and those counties listed in this Plan.

SELECTED SYSTEM

If a new solid waste disposal area is constructed and operates in the future in another County, then disposal of solid waste generated by the EXPORTING COUNTY is authorized up to the AUTHORIZED QUANTITY according to the AUTHORIZED CONDITIONS in Table 2-B if authorized for import in the approved Solid Waste Management Plan of the receiving County.

Table 2-B

**FUTURE EXPORT VOLUME AUTHORIZATION OF SOLID WASTE
CONTINGENT ON NEW FACILITIES BEING SITED**

EXPORTING COUNTY	IMPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/DAILY	AUTHORIZED QUANTITY/ANNUAL	AUTHORIZED CONDITIONS ²
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---

Additional authorizations and the above information for those authorizations are listed on an attached page.

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

² Authorization indicated by P = Primary Disposal; C = Contingency Disposal; * = Other conditions exist and detailed explanation is included in the Attachment Section.

SELECTED SYSTEM
SOLID WASTE DISPOSAL AREAS

The following identifies the names of existing disposal areas which will be utilized to provide the required capacity and management needs for the solid waste generated within the County for the next five years and, if possible, the next ten years. Pages III-13 through III-29 contain descriptions of the solid waste disposal facilities which are located within the County and the disposal facilities located outside of the County which will be utilized by the County for the planning period. Additional facilities within the County with applicable permits and licenses may be utilized as they are sited by this Plan, or amended into this Plan, and become available for disposal. If this Plan update is amended to identify additional facilities in other counties outside the County, those facilities may only be used if such import is authorized in the receiving County's Plan. Facilities outside of Michigan may also be used if legally available for such use.

Type II Landfill:

Granger Landfill - Clinton County
Granger Landfill - Clinton/Ingham County
C & C Landfill - Calhoun County
Hastings Sanitary Landfill - Barry County
Venice Park Development - Shiawassee County
Westside RDF - St. Joseph County
Arbor Hills Landfill - Washtenaw County
Ottawa County Farms Landfill - Ottawa County
Autumn Hills Landfill - Ottawa County
McGill Road Landfill - Jackson County (Type III only)
Central Sanitary Landfill - Montcalm County
Pitsch Landfill - Ionia County

Type III Landfill:

Liberty Environmentalists - Jackson County
Daggett Sand & Gravel - Ingham County

Incinerator:

Waste-to-Energy Incinerator:

Type A Transfer Facility:

Type B Transfer Facility:

Walton Twp Transfer Station

Processing Plant:

Waste Piles:

Other:

Note: Eaton County has 10 years of capacity listed from the Granger Landfills in Clinton/Ingham County, however this does not preclude waste from going to other facilities in Counties specified in the Plan, i.e. - Granger Landfills are not the sole entity where waste must travel. Eaton County has identified those counties that may accept Eaton County's waste and the conditions for that acceptance. As such, any licensed and operational facility within that county's borders is authorized to accept waste from Eaton County. However, the facility descriptions contained in this Plan Update have been provided for those facilities that are most likely to accept Eaton County's waste.

Additional facilities are listed on an attached page. Letters from or agreements with the listed disposal areas owners/operators stating their facility capacity and willingness to accept the County's solid waste are in the AttachmentsSection.

**SELECTED SYSTEM
DATA BASE**

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Liberty Environmentalists Incorporated

County: Jackson Location: Town:4SRange: 1WSection(s): 1

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Liberty Environmentalists Incorporated

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure
- pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: _____

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 215 acres
Total area sited for use: 65 acres
Total area permitted: 15 acres
Operating: 15 acres
Not excavated: 40 acres

Current capacity: 400,000 tons or yds³
Estimated lifetime: 20 years
Estimated days open per year: 300 days
Estimated yearly disposal volume: 155,000 tons or yds³

(if applicable)

Annual energy production:
Landfill gas recovery projects: N/A megawatts
Waste-to-energy incinerators: N/A megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Pitsch Sanitary Landfill

County: Ionia Location: Town:Orleans Range: 7WSection(s): 7 _____

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Pitsch Companies

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: _____

* Explanation of special wastes, including a specific list and/or conditions:
Street sweepings, asbestos

Site Size:

Total area of facility property:	<u>148.44</u>	acres
Total area sited for use:	<u>28.36</u>	acres
Total area permitted:	<u>78.44</u>	acres
Operating:	<u>9.87</u>	acres
Not excavated:	<u>70</u>	acres
Current capacity:	<u>415,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	<u>5</u>	years
Estimated days open per year:	<u>307</u>	days
Estimated yearly disposal volume:	<u>83,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

Pitsch Companies have a pending construction permit that will extend landfill life another 30 years.

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	_____	megawatts
Waste-to-energy incinerators:	_____	megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Autumn Hills Recycling & Disposal Facility

County: Ottawa Location: Town: 5N Range: 14W Section(s): 36 ___

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Autumn Hills RDF - A Division of Waste Management of Michigan, Inc.

Operating Status (check)	Waste Types Received (check all that apply)
<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input checked="" type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, but closure pending	<input checked="" type="checkbox"/> special wastes *
	<input type="checkbox"/> other:

* Explanation of special wastes, including a specific list and/or conditions:
exhausted oak wood trays, minor first aid waste, contaminated pharmaceuticals manufacture, paint booth filters, dewatered waste water treatment sludge, out of spec/out of date food supplements, spent epoxy powder coatings, sand blasting sand, woodchips/dust from production, shot blast, construction and demolition materials, foundry sand, filter press cake, incinerator ash, saw dust, contaminated soils, auto fluff, asbestos, grinding sludge, carwash sand pit/traps, and food materials.

Site Size:

Total area of facility property:	<u>314</u>	acres
Total area sited for use:	<u>197</u>	acres
Total area permitted:	<u>99.3</u>	acres
Operating:	<u>35.1</u>	acres
Not excavated:	<u>64.2</u>	acres
Current capacity:	<u>20,750,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	<u>30.2</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>500,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>n/a</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Waste Management Inc., of Hastings

County: Barry Location: Town: 3W Range: 8N Section(s): 6 ___

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Waste Management, Inc.

Operating Status (check)	Waste Types Received (check all that apply)
<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input checked="" type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, but closure pending	<input checked="" type="checkbox"/> special wastes *
	<input checked="" type="checkbox"/> other: <u>asbestos</u>

* Explanation of special wastes, including a specific list and/or conditions:
foundry sand, fly ash, wastewater sludges, trees & stumps

Site Size:

Total area of facility property:	<u>330</u>	acres
Total area sited for use:	<u>330</u>	acres
Total area permitted:	<u>48</u>	acres
Operating:	<u>19.5</u>	acres
Not excavated:	<u>28.5</u>	acres
Current capacity:	<u>5,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>10+</u>	years
Estimated days open per year:	<u>308</u>	days
Estimated yearly disposal volume:	<u>175,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>n/a</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Westside Recycling and Disposal Facility

County: St. Joseph Location: Town: 6S Range: 12W Section(s): 26

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Waste Management

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: all non-hazardous wastes acceptable in Type II

* Explanation of special wastes, including a specific list and/or conditions:
asbestos, foundry sand, wastewater treatment sludge, industrial process waste, etc.

Site Size:

Total area of facility property:	<u>640</u>	acres
Total area sited for use:	<u>490</u>	acres
Total area permitted:	<u>85</u>	acres
Operating:	<u>85</u>	acres
Not excavated:	—	acres
Current capacity:	<u>14,790,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ gateyards
Estimated lifetime:	<u>12</u>	years
Estimated days open per year:	<u>300+</u>	days
Estimated yearly disposal volume:	<u>1,200,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ gateyards

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>n/a</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

SELECTED SYSTEM
FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: C & C Landfill

County: Calhoun Location: Town: Convis Range: 6W Section(s): 28

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: BFI Waste Systems of North America, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: _____

* Explanation of special wastes, including a specific list and/or conditions:
non-hazardous solid and semi-solid wastes, no hazardous or liquid wastes

Site Size:

Total area of facility property:	<u>224</u>	acres
Total area sited for use:	<u>154</u>	acres
Total area permitted:	<u>129</u>	acres
Operating:	<u>33</u>	acres
Not excavated:	<u>21</u>	acres
Current capacity:	<u>3,360,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>7</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>1,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ gateyards

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>3</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type III Landfill

Facility Name: Daggett Sand & Gravel

County: Ingham Location: Town: 4N Range: 2W Section(s): 3 (1016 E. Sheridan Rd, Lansing, M)

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Daggett Sand & Gravel, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: _____

* Explanation of special wastes, including a specific list and/or conditions:
n/a

Site Size:

Total area of facility property:	<u>10</u>	acres
Total area sited for use:	<u>6.4</u>	acres
Total area permitted:	<u>6.4</u>	acres
Operating:	<u>2-3</u>	acres
Not excavated:	—	acres

Current capacity:	<u>60,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>7</u>	years
Estimated days open per year:	<u>250</u>	days
Estimated yearly disposal volume:	<u>7,500</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>n/a</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type B Transfer Station

Facility Name: Walton Twp Transfer Station

County: Eaton Location: Town: Walton Range: ___ Section(s): 29

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: C&C Landfill

Public Private Owner: BFI Waste Systems of North America, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: ___

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: ___ acres
 Total area sited for use: ___ acres
 Total area permitted: ___ acres
 Operating: ___ acres
 Not excavated: ___ acres
 Current capacity: ___ tons or yds³
 Estimated lifetime: ___ years
 Estimated days open per year: 104 days
 Estimated yearly disposal volume: 3,500 tons or yds³

(if applicable)

Annual energy production:
 Landfill gas recovery projects: ___ megawatts
 Waste-to-energy incinerators: ___ megawatts

SELECTED SYSTEM
FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Granger Grand River Avenue Landfill

County: Clinton Location: Town: 5N Range: 3W Section(s): 29

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

Public Private Owner: Granger Land Development Company

Operating Status (check)

- open
- closed *¹
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: Type III wastes

* Explanation of special wastes, including a specific list and/or conditions:
 All as authorized

Site Size:

Total area of facility property: * ¹	<u>180.9</u>	acres
Total area sited for use:	<u>120.9</u>	acres
Total area permitted:	<u>85.7</u>	acres
Operating:	<u>54.1</u>	acres
Not excavated:	<u>31.6</u>	acres
Current capacity:	<u>7,617,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Air Yards
Estimated lifetime:	<u>32</u>	years
Estimated days open per year:	<u>300</u>	days
Estimated yearly disposal volume:	<u>600,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Gate Yards

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>4.0</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

*¹ Includes acres of (separate) closed facility to be consistent with DEQ numbers on permits and licenses.

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Granger Wood Street Landfill

County: Clinton/Ingham Location: Town: 5N 4N Range: 2W Section(s): 34 3

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Granger Waste Management Company

Operating Status (check)	Waste Types Received (check all that apply)
<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed *1	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input checked="" type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, but closure pending	<input checked="" type="checkbox"/> special wastes *
	<input checked="" type="checkbox"/> other: <u>Type III wastes</u>

* Explanation of special wastes, including a specific list and/or conditions:
All as authorized

Site Size:

Total area of facility property: *1	<u>302.8</u>	acres
Total area sited for use: (Plan)	<u>194.8</u>	acres +67 (future permitting in Ingham Co.)
Total area permitted: (for disposal, i.e. SWB)	<u>104.3</u>	acres
Operating: (Licensed and Certified)	<u>49.5</u>	acres
Not developed:	<u>54.8</u>	acres

Current capacity:	<u>10,981,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Air Yards
Estimated lifetime:	<u>34</u>	years
Estimated days open per year:	<u>260</u>	days
Estimated yearly disposal volume:	<u>600,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Gate Yards

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>3.2</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

*1 Includes acres of (separate) Paulson Street facility to be consistent with DEQ numbers on permits and licenses.

Also includes spoil/borrow areas to be consistent with DEQ numbers on permits and licenses.

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Venice Park Recycling and Disposal Facility

County: Shiawassee Location: Town: 7N Range: 4E Section(s): 27

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Waste Management of MI, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: Non-hazardous liquids for solidification

* Explanation of special wastes, including a specific list and/or conditions:

Contaminated soils, sludges, filter cake, process wastes, coal ash, foundry sand, chemical containing equipment, used containers, treated medical waste, contaminated demolition debris, street sweeping, sediment trap materials, asbestos.

Site Size:

Total area of facility property:	<u>331</u>	acres
Total area sited for use:	<u>80</u>	acres
Total area permitted:	<u>69</u>	acres
Operating:	<u>41</u>	acres
Not excavated:	<u>2.5</u>	acres
Current capacity:	<u>1,300,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ bank remaining
Estimated lifetime:	<u>2.5</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>526,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>12,500</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Ottawa County Farms Landfill

County: Ottawa Location: Town: 8N Range: 14W Section(s): 26 & 27

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Waste Management of MI, Inc.

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:	<u>240</u>	acres
Total area sited for use:	<u>197</u>	acres
Total area permitted:	<u>240</u>	acres
Operating:	<u>37</u>	acres
Not excavated:	<u>125</u>	acres
Current capacity:	<u>16,500,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>25-30</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>500,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>4,565</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Arbor Hills Landfill

County: Washtenaw Location: Town: Salem Range: 7E Section(s): 13

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: BFI Waste Systems of North America

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other:

* Explanation of special wastes, including a specific list and/or conditions:
Non-hazardous solid and semi-solid wastes, no hazardous or liquid wastes

Site Size:

Total area of facility property:	<u>936</u>	acres
Total area sited for use:	<u>356</u>	acres
Total area permitted:	<u>217</u>	acres
Operating:	<u>113</u>	acres
Not excavated:	<u>104</u>	acres
Current capacity:	<u>30,500,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Airspace or 61.5 million gate CY of capacity
Estimated lifetime:	<u>17.6</u>	years
Estimated days open per year:	<u>265</u>	days
Estimated yearly disposal volume:	<u>3,500,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>18</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Citizens Disposal, Inc.

County: Genesee Location: Town: 6 Range: 6 Section(s): 23

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Allied Waste Industries

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other: Asbestos

* Explanation of special wastes, including a specific list and/or conditions:

All special waste requires prior review and approval including analytical data and waste profile - non-hazardous only.

Site Size:

Total area of facility property:	<u>300 +/-</u>	acres
Total area sited for use:	<u>300 +/-</u>	acres
Total area permitted:	<u>52</u>	acres
Operating:	<u>52</u>	acres
Not excavated:	<u>80</u>	acres
Current capacity:	<u>5,300,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>25</u>	years
Estimated days open per year:	<u>300</u>	days
Estimated yearly disposal volume:	<u>500,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>2.4</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Brent Run Landfill

County: Genesee Location: Town: Montrose Range: 5E Section(s): 23

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: City Management Corporation

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other:

* Explanation of special wastes, including a specific list and/or conditions:
sludge, asbestos

Site Size:

Total area of facility property:	<u>500</u>	acres
Total area sited for use:	<u>350</u>	acres
Total area permitted:	<u>106.5</u>	acres
Operating:	<u>38.91</u>	acres
Not excavated:	<u>67.56</u>	acres
Current capacity:	<u>14,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ in place
Estimated lifetime:	<u>30+</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>400,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ in place

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>2</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

**SELECTED SYSTEM
FACILITY DESCRIPTIONS**

Facility Type: Type II Landfill

Facility Name: Central Sanitary Landfill

County: Montcalm Location: Town: 11 Range: 10 Section(s): 21

Map identifying location included in Attachment Section: Yes No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: n/a

Public Private Owner: Allied Wastes

Operating Status (check)

- open
- closed
- licensed
- unlicensed
- construction permit
- open, but closure pending

Waste Types Received (check all that apply)

- residential
- commercial
- industrial
- construction & demolition
- contaminated soils
- special wastes *
- other:

* Explanation of special wastes, including a specific list and/or conditions:
foundry sand, asbestos

Site Size:

Total area of facility property:	<u>315</u>	acres
Total area sited for use:	<u>120.32</u>	acres
Total area permitted:	<u>18.45</u>	acres
Operating:	<u>18.45</u>	acres
Not excavated:	<u>5.76</u>	acres
Current capacity:	<u>373,428</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>4.94</u>	years
Estimated days open per year:	<u>306</u>	days
Estimated yearly disposal volume:	<u>100,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>n/a</u>	megawatts
Waste-to-energy incinerators:	<u>n/a</u>	megawatts

SELECTED SYSTEM

SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION:

The following describes the solid waste collection services and transportation infrastructure which will be utilized within the County to collect and transport solid waste.

Commercial and municipal solid waste collection services are provided by private waste haulers in Eaton County. There are currently 11 licensed waste haulers providing service to Eaton County.

Service Provider	Service Area	Payment	Disposal Facility
Allied Disposal Company	Delta, Oneida Twp	Customer	Granger Landfills - Clinton County
BFI	Eaton County	Customer	C&C Landfill - Calhoun County
Baldwin Brothers MRS	Brookfield, Eaton Rapids, Eaton & Hamlin Twps	Customer	Granger Landfills - Clinton County
Hastings Sanitary Service	Bellevue, Kalamo Carmel, Walton Twps & Charlotte	Customer	Hastings Sanitary Landfill - Barry County
Granger Container Service	Delta & Windsor Twp, Grand Ledge, Charlotte	Customer	Granger Landfills - Clinton County
Jim's Pickup Service	Mulliken, Sunfield & Vermontville Twps	Customer	Hastings Sanitary Landfill - Barry County
Les's Sanitary Service	Sunfield & Vermontville Twps	Customer	Hastings Sanitary Landfill - Barry County
Liberty Environmentalists, Inc.	Hamlin, Brookfield & Walton Twps	Customer	Liberty Environmental Landfill - Jackson County
Pick-A-Dilley Disposal	Mulliken	Customer	Granger Landfills - Clinton County
S&S Trucking, Inc.	Charlotte and surrounding area	Customer	C&C Landfill - Calhoun County
Waste Management of MI	Eaton County	Customer	C&C Landfill - Calhoun County

Because Eaton County is an exporter of solid waste, it is necessary for significant corridors to be available for transportation. I-69, M-50 and M-79 are the primary roadways utilized for transportation of solid waste to the designated landfills (see attached map). Each of these roadways is either an interstate or state highway and, as such, are appropriately maintained for heavy traffic loads.

SELECTED SYSTEM

WASTE REDUCTION, RECYCLING, & COMPOSTING PROGRAMS:

Volume Reduction Techniques

The following describes the techniques utilized and proposed to be used throughout the County which reduces the volume of solid waste requiring disposal. The annual amount of landfill air space not used as a result of each of these techniques is estimated. Since volume reduction is practiced voluntarily and because technologies change and equipment may need replacing, it is not this Plan update's intention to limit the techniques to only what is listed. Persons within the County are encouraged to utilize the technique that provides the most efficient and practical volume reduction for their needs. Documentation explaining achievements of implemented programs or expected results of proposed programs is attached.

Technique Description	Est. Air Space Conserved Yds ³ /Yr		
	<u>Current</u>	<u>5th yr</u>	<u>10th yr</u>
N/A	N/A	N/A	N/A

Because Eaton County has no disposal facilities within its borders, physical techniques for compaction are limited to waste hauler vehicles, and as such, are not included in this Plan.

Additional efforts and the above information for those efforts are listed on an attached page.

Overview of Resource Recovery Programs:

The following describes the type and volume of material in the County's waste stream that may be available for recycling or composting programs. How conditions in the County affect or may affect a recycling or composting program and potential benefits derived from these programs is also discussed. Impediments to recycling or composting programs which exist or which may exist in the future are listed, followed by a discussion regarding reducing or eliminating such impediments.

Many materials are currently recycled and composted from Eaton County's waste stream. Paper, plastics, glass and metals make up the primary items collected for recycling, while leaves and yard waste make up the bulk of materials utilized for composting. The goals of the County will be to divert 20% of the waste stream in 2000, 25% in 2005 and 30% in 2010. These goals were established to allow the County to actually attain solid waste diversion rates throughout the Plan period.

Material	Estimated Annual Volume Potentially Available for Recycling		
	2000	2005	2010
Paper - total volume	63,914 CY	66,327 CY	68,789 CY
Glass - total volume	12,784 CY	13,265 CY	13,758 CY
Metals - total volume	19,176 CY	19,898 CY	20,637 CY
Plastics - total volume	19,176 CY	19,898 CY	20,637 CY
Compostables - total volume	60,720 CY	63,010 CY	65,349 CY
Other potentially recyclable - total volume	14,381 CY	14,923 CY	15,477 CY
<i>Total volume potentially available</i>	<i>190,151 CY</i>	<i>197,321 CY</i>	<i>204,647 CY</i>

The cities of Charlotte and Grand Ledge, and the Townships of Delta and Windsor make up the majority of developed lands. While resource recovery programs exist in these and other areas of the County, the fact that a large portion of the County is rural makes efficient resource recovery programs more difficult. Marketing of materials, efficient collection and transportation, storage and funding are all issues that have significance when discussing impediments to recycling programs. The County will work to help locate and secure markets for the recyclable material generated in the County.

The use of drop-off centers and waste hauler curbside service will continue to work in unison to provide recycling services to residents of Eaton County. These programs are the cornerstone of Eaton County resource recovery. Without private hauler cooperation and support, much of the County's recyclable material would not be recovered. However, waste haulers cannot collect all materials efficiently at the curbside, whereas drop-off centers are able to accept a much more diverse range of materials at the cost of curbside convenience.

- Recycling programs within the County are feasible. Details of existing and planned programs are included on the following pages.
- Recycling programs for the County have been evaluated and it has been determined that it is not feasible to conduct any programs because of the following:

SELECTED SYSTEM

Several municipalities have composting operations and special collections for yard waste, leaves, etc. The same challenges that affect recycling efficiencies also affect composting operations. However, private backyard composting opportunities can be a significant source of waste reduction in the County. With a rural community like Eaton County's, the potential to utilize composting techniques is great. Education of the community on composting techniques will be emphasized as an economical alternative to paid disposal.

- Composting programs within the County are feasible. Details of existing and planned programs are included on the following pages.
- Composting programs for the County have been evaluated and it has been determined that it is not feasible to conduct any programs because of the following:

The elimination of potentially hazardous material from the waste stream is of concern to all parties involved in solid waste management. The County will continue to fund collections of these materials in an attempt to divert the maximum amount possible. Education on proper disposal and the use of toxic alternatives will also be a focal point for County residents.

- Programs for source separation of potentially hazardous materials are feasible and details are included on the following pages.
- Separation of potentially hazardous materials from the County's waste stream has been evaluated and it has been determined that it is not feasible to conduct any separation programs because of the following:

SELECTED SYSTEM
RECYCLING AND COMPOSTING

The following is a brief analysis of the recycling and composting programs selected for the County in this Plan. Additional information on operation of recycling and composting programs is included in Appendix A. The analysis covers various factors within the County and the impacts of these factors on recycling and composting. Following the written analysis the tables on pages III-18, 19, & 20 list the existing recycling, composting, and source separation of hazardous materials programs that are currently active in the County and which will be continued as part of this Plan. The second group of three tables on pages III-21, 22, & 23 list the recycling, composting, and source separation of hazardous materials programs that are proposed in the future for the County. It is not this Plan update's intent to prohibit additional programs or expansions of current programs to be implemented beyond those listed.

Many resource recovery programs are already in place for the County to utilize. Expansion of these programs to increase participation, recover more material, or include more items for collection will be the main focus for Eaton County. The Solid Waste Ordinance of 1993 provides grant funding for local unit and non-profit resource recovery activities in Eaton County, and private waste haulers provide curbside service to customers who wish to participate.

Economics are a key factor behind recycling operations in the County. Therefore, the focus on materials that are the most marketable, and provide the highest rate of return, will be the items targeted for collection. Lack of stable markets in the area and the relative low return on materials collected has led to certain items being eliminated from collection by local recycling organizations. For resource recovery to continue in the County, emphasis needs to be placed on establishing and securing markets for materials generated. Typical materials collected include: glass, certain plastics, metal, office paper, corrugated cardboard, and newspaper. Although some programs collect materials that would normally be discarded, like certain plastic polymers.

For grant funded programs, it is the primary responsibility of each program to develop and maintain resource recovery projects, with financial and informational assistance coming from the County. Each resource recovery program, or private organization determines which items they can successfully recycle or compost. Most local unit and non-profit organizations have developed drop-off recycling centers and special collections for yard waste or leaves. Waste haulers offer curbside recycling service and most provide yard waste collection to their customers.

The County provides special periodic collections for those materials that are not easily handled by other programs. These typically include: scrap tires, freon-containing appliances, household batteries and household hazardous waste. Each program is drop-off in nature and strictly voluntary. Presently, the household battery collection is the only year-round County collection program. All other programs are seasonal and occur one or two times per year. However, the household hazardous waste collections are being studied for potential increases in frequency of collection.

Diversion goals set forth in the 1990 Plan Update were too optimistic. The County is currently diverting approximately 17% (based on reported data), and the goals will be reset to reflect realistic growth in the programs. The projected diversion rates will be 20% in 2000, 25% in 2005 and 30% in 2010. These goals will be evaluated on reported diversion rates. Because of this, the County may actually exceed these goals as data from each individual program in operation or waste reduction effort cannot reasonably be measured.

TABLE III-1

RECYCLING:

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
<u>Charlotte Area Recycling Authority</u>	<u>Charlotte & Surround Twps</u>	<u>Public</u>	<u>d</u>	<u>w</u>	<u>abcdef</u>	<u>6</u>	<u>6</u>	<u>6.1</u>
<u>Delta Twp Recycling Center</u>	<u>Delta Township</u>	<u>Public</u>	<u>d</u>	<u>w</u>	<u>abcdef</u>	<u>6</u>	<u>6</u>	<u>6.1</u>
<u>Dimondale Recycling Center</u>	<u>Dimondale, Windsor Twp</u>	<u>Private</u>	<u>d</u>	<u>d</u>	<u>abcdef</u>	<u>6</u>	<u>6</u>	<u>6.1</u>
<u>Grand Ledge Recycling Center</u>	<u>Grand Ledge, Oneida</u>	<u>Public</u>	<u>d</u>	<u>w</u>	<u>abcdef</u>	<u>6</u>	<u>6</u>	<u>6.1</u>
<u>Mulliken Recycling Center</u>	<u>Roxand, Sunfield Twps</u>	<u>Public</u>	<u>d</u>	<u>w</u>	<u>abdef</u>	<u>6</u>	<u>6</u>	<u>6.1</u>
<u>Olivet Recycling - BFI</u>	<u>City of Olivet</u>	<u>Public</u>	<u>c</u>	<u>b</u>	<u>abcdef</u>	<u>6</u>	<u>6</u>	<u>6.1</u>
<u>Allied Disposal Company, Inc.</u>	<u>Delta and Oneida Twps</u>	<u>Private</u>	<u>c</u>	<u>w</u>	<u>abcdef</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Baldwin Brothers</u>	<u>SE 1/4 of County</u>	<u>Private</u>	<u>c</u>	<u>w</u>	<u>abcdef</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>BFI</u>	<u>Eaton County except N 1/4</u>	<u>Private</u>	<u>c</u>	<u>w</u>	<u>abcdef</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Granger Container Service</u>	<u>Delta, Windsor Twp, Charlotte</u>	<u>Private</u>	<u>c</u>	<u>w</u>	<u>abcdef</u>	<u>5</u>	<u>5</u>	<u>5</u>

Additional programs and the above information for those programs are listed on an attached page.

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page **Error! Bookmark not defined.**); 5 = Private Owner/Operator; 6 = Other (Identified on page **Error! Bookmark not defined.**).

³ Identified by c = curbside; d = drop-off; o = onsite; and if other, explained.

⁴ Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter.

⁵ Identified by the materials collected by listing of the letter located by that material type. A = Plastics; B = Newspaper; C = Corrugated Containers; D = Other Paper; E = Glass; F = Metals; P = Pallets; J = Construction/Demolition; K = Tires; L1, L2 etc. = as identified on page **Error! Bookmark not defined.**

SELECTED SYSTEM

TABLE III-1

RECYCLING:

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
<u>City Env Service - Hastings</u>	<u>Bellevue, Carmel, Eaton, Kalamo</u>	<u>Private</u>	<u>c</u>	<u>w</u>	<u>abcdef</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Jim's Pickup Service</u>	<u>Mulliken, Sunfield, Vermontville</u>	<u>Private</u>	<u>c</u>	<u>w</u>	<u>abcdef</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Les's Sanitary Service</u>	<u>Sunfield, Vermontville</u>	<u>Private</u>	<u>c</u>	<u>w</u>	<u>abcdef</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Pick-A-Dilley Disposal</u>	<u>Mulliken</u>	<u>Private</u>	<u>c</u>	<u>w</u>	<u>abcdef</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Waste Management of MI</u>	<u>Delta, Windsor Twp</u>	<u>Private</u>	<u>c</u>	<u>w</u>	<u>abcdef</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Department of Resource Recovery</u>	<u>Eaton County</u>	<u>Public</u>	<u>d</u>	<u>su</u>	<u>fk</u>	<u>1,2</u>	<u>1,2</u>	<u>1,2</u>
<u>Owens-Illinois - Charlotte</u>	<u>Eaton County</u>	<u>Private</u>	<u>d</u>	<u>d</u>	<u>e</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Marshall Iron & Metal</u>	<u>Eaton County</u>	<u>Private</u>	<u>d</u>	<u>d</u>	<u>f</u>	<u>5</u>	<u>5</u>	<u>5</u>

Additional programs and the above information for those programs are listed on an attached page.

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page **Error! Bookmark not defined.**); 5 = Private Owner/Operator; 6 = Other (Identified on page **Error! Bookmark not defined.**).

³ Identified by c = curbside; d = drop-off; o = onsite; and if other, explained.

⁴ Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter.

⁵ Identified by the materials collected by listing of the letter located by that material type. A = Plastics; B = Newspaper; C = Corrugated Containers; D = Other Paper; E = Glass; F = Metals; P = Pallets; J = Construction/Demolition; K = Tires; L1, L2 etc. = as identified on page **Error! Bookmark not defined.**

SELECTED SYSTEM
TABLE III-2

COMPOSTING:

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
Granger Landscape Supply	Eaton County	private	d	d	glw	5	5	5
Grand Ledge Composting	Grand Ledge	public	d	w	glw	3	3	3.1
Delta Township Composting	Delta Township	public	d	w sp su fa	glw	6	5.6	6.1
Potterville Composting	Potterville	public	c	fa	l	3	3	3.1
Olivet Composting	Olivet	public	c	fa	l	3	3	3.1
Vermontville Composting	Vermontville	public	d	sp.su.fa	glw	3	3	3.1
Dimondale Composting	Dimondale	public	c	fa	l	3	3	3.1
Eaton Rapids Composting	Eaton Rapids	public	d	sp.su. fa	glw	3	3	3
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—

Additional programs and the above information for those programs are listed on an attached page.

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page Error! Bookmark not defined.); 5 = Private Owner/Operator; 6 = Other (Identified on page Error! Bookmark not defined.).

³ Identified by c = curbside; d = drop-off; o = onsite; and if other, explained.

⁴ Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter.

⁵ Identified by the materials collected by listing of the letter located by that material type. G = Grass Clippings; L = Leaves; F = Food; W = Wood; P = Paper; S = Municipal Sewage Sludge; A = Animal Waste/Bedding; M = Municipal Solid Waste; L1, L2 etc. = as identified on page Error! Bookmark not defined..

SELECTED SYSTEM

TABLE III-3

SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

Since improper disposal of nonregulated hazardous materials has the potential to create risks to the environment and human health, the following programs have been implemented to remove these materials from the County's solid waste stream.

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Development</u>	<u>Management Operation</u>	<u>Responsibilities Evaluation</u> ²
Eaton County HHW Collection	Eaton County Residents	<u>Public</u>	<u>d</u>	<u>Su</u>	<u>AR,A,B2</u>	<u>1</u>	<u>1,5</u>	<u>1,2</u>
		---	---	---	<u>C,H,P,PS</u>	---	---	---
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Additional programs and the above information for those programs are listed on an attached page.

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page **Error! Bookmark not defined.**); 5 = Private Owner/Operator; 6 = Other (Identified on page **Error! Bookmark not defined.**).

³ Identified by c = curbside; d = drop-off; o = onsite; and if other, explained.

⁴ Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter.

⁵ Identified by the materials collected by listing of the letter located by that material type. AR = Aerosol Cans; A = Automotive Products except Used Oil, Oil Filters & Antifreeze; AN = Antifreeze; B1 = Lead Acid Batteries; B2 = Household Batteries; C = Cleaners and Polishers; H = Hobby and Art Supplies; OF = Used Oil Filters; P = Paints and Solvents; PS = Pesticides and Herbicides; PH = Personal and Health Care Products; U = Used Oil; OT = Other Materials and identified.

TABLE III-4

PROPOSED RECYCLING:

<u>Program Name</u> (if known)	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Development</u>	<u>Responsibilities Operation</u>	<u>Evaluation</u>
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Additional programs and the above information for those programs are listed on an attached page.

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page **Error! Bookmark not defined.**); 5 = Private Owner/Operator; 6 = Other (Identified on page **Error! Bookmark not defined.**).

³ Identified by c = curbside; d = drop-off; o = onsite; and if other, explained.

⁴ Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter.

⁵ Identified by the materials collected by listing of the letter located by that material type. A = Plastics; B = Newspaper; C = Corrugated Containers; D = Other Paper; E = Glass; F = Metals; P = Pallets; J = Construction/Demolition; K = Tires; L1, L2 etc. = as identified on page **Error! Bookmark not defined.**

SELECTED SYSTEM

TABLE III-5

PROPOSED COMPOSTING:

<u>Program Name</u> (if known)	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
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Additional programs and the above information for those programs are listed on an attached page.

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page Error! Bookmark not defined.); 5 = Private Owner/Operator; 6 = Other (Identified on page Error! Bookmark not defined.).

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⁵ Identified by the materials collected by listing of the letter located by that material type. G = Grass Clippings; L = Leaves; F = Food; W = Wood; P = Paper; S = Municipal Sewage Sludge; A = Animal Waste/Bedding; M = Municipal Solid Waste; L1, L2 etc. = as identified on page Error! Bookmark not defined..

TABLE III-6

PROPOSED SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

<u>Program Name</u> (if known)	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
Permanent Storage Facility HHW	Eaton County Residents	<u>Public</u>	<u>d</u>	<u>b,m</u>	<u>AR,A,B2</u>	<u>1</u>	<u>1,5</u>	<u>1,2</u>
		---	---	---	<u>C,H,P,PS</u>	---	---	---
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Additional programs and the above information for those programs are listed on an attached page.

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page **Error! Bookmark not defined.**); 5 = Private Owner/Operator; 6 = Other (Identified on page **Error! Bookmark not defined.**).

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⁵ Identified by the materials collected by listing of the letter located by that material type. AR = Aerosol Cans; A = Automotive Products except Used Oil, Oil Filters & Antifreeze; AN = Antifreeze; B1 = Lead Acid Batteries; B2 = Household Batteries; C = Cleaners and Polishers; H = Hobby and Art Supplies; OF = Used Oil Filters; P = Paints and Solvents; PS = Pesticides and Herbicides; PH = Personal and Health Care Products; U = Used Oil; OT = Other Materials and identified.

SELECTED SYSTEM

IDENTIFICATION OF RESOURCE RECOVERY MANAGEMENT ENTITIES:

The following identifies those public and private parties, and the resource recovery or recycling programs for which they have management responsibilities.

Responsible Groups:

Department of Resource Recovery - Special Item Collections, Waste Reduction, Education

Charlotte Area Recycling Authority - CARA - Recycling Center

First Presbyterian Church - Dimondale Recycling Center

Roxand Township - Mulliken Recycling Center

City of Grand Ledge - Grand Ledge Recycling Center

Village of Vermontville - Vermontville Composting Center

Delta Township - Delta Township Recycling Center

City of Olivet/BFI - Olivet Curbside Recycling Program

City of Olivet - Olivet Leaf Collection Program

City of Potterville - Potterville Leaf Collection Program

Village of Dimondale - Dimondale Leaf Collection Program

City of Eaton Rapids - Eaton Rapids Composting Program

Granger Companies - Curbside Recycling/Composting & Recycling/Composting Centers

Allied Disposal - Allied Curbside Recycling/Composting

Waste Management of MI - Waste Management Recycling/Composting

BFI - BFI Recycling/Composting

Baldwin Brothers - Baldwin Brothers Recycling

Jim's Pickup Service - Jim's Pickup Service Recycling

Les's Sanitary Service - Les's Sanitary Service Recycling

Pick-A-Dilley Disposal - Pick-A-Dilley Recycling

City Env Svcs - Hastings - City Env Svcs - Hastings Recycling

Owens-Illinois Charlotte - Owens-Illinois Glass Recycling Drop-Off

Marshall Iron & Metal - Marshall Iron & Metal Recycling

Other:

SELECTED SYSTEM

PROJECTED DIVERSION RATES:

The following estimates the annual amount of solid waste which is expected to be diverted from landfills and incinerators as a result of the current resource recovery programs and in five and ten years.

<u>Collected Material:</u>	<u>Projected Annual Tons Diverted:</u>			<u>Collected Material:</u>	<u>Projected Annual Tons Diverted:</u>		
	Current	5th Yr	10th Yr		Current	5th Yr	10th Yr
A. TOTAL PLASTICS:	<u>1,883</u>	<u>2,512</u>	<u>3,127</u>	G. GRASS AND LEAVES:	<u>1,804</u>	<u>2,512</u>	<u>3,127</u>
B. NEWSPAPER:	<u>3,986</u>	<u>5,276</u>	<u>6,566</u>	H. TOTAL WOOD WASTE:	<u>784</u>	<u>1,005</u>	<u>1,251</u>
C. CORRUGATED CONTAINERS:	<u>3,779</u>	<u>5,025</u>	<u>6,254</u>	I. CONSTRUCTION AND DEMOLITION:	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>
D. TOTAL OTHER PAPER:	<u>2,951</u>	<u>6,532</u>	<u>5,003</u>	J. FOOD AND FOOD PROCESSING:	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>
E. TOTAL GLASS:	<u>419</u>	<u>503</u>	<u>625</u>	K. TIRES:	<u>15</u>	<u>25</u>	<u>31</u>
F. OTHER MATERIALS:				L. TOTAL METALS:	<u>1,728</u>	<u>2,261</u>	<u>2,814</u>
F1. <u>TEXTILES</u>	<u>704</u>	<u>1,005</u>	<u>1,251</u>	F3. _____	_____	_____	_____
F2. _____	_____	_____	_____	F4. _____	_____	_____	_____

MARKET AVAILABILITY FOR COLLECTED MATERIALS:

The following identifies how much volume that existing markets are able to utilize of the recovered materials which were diverted from the County's solid waste stream.

<u>Collected Material:</u>	<u>In-State Markets</u>	<u>Out-of-State Markets</u>	<u>Collected Material</u>	<u>In-State Markets</u>	<u>Out-of-State Markets</u>
A. TOTAL PLASTICS:	<u>***</u>	<u>***</u>	G. GRASS AND LEAVES:	<u>***</u>	<u>***</u>
B. NEWSPAPER:	<u>***</u>	<u>***</u>	H. TOTAL WOOD WASTE:	_____	_____
C. CORRUGATED CONTAINERS:	<u>***</u>	<u>***</u>	I. CONSTRUCTION AND DEMOLITION:	_____	_____
D. TOTAL OTHER PAPER:	<u>***</u>	<u>***</u>	J. FOOD AND FOOD PROCESSING	_____	_____
E. TOTAL GLASS:	<u>***</u>	<u>***</u>	K. TIRES:	<u>***</u>	<u>***</u>
F. OTHER MATERIALS:			L. TOTAL METALS:	<u>***</u>	<u>***</u>
F1. <u>TEXTILES</u>	<u>***</u>	<u>***</u>	F3. _____	_____	_____
F2. _____	_____	_____	*** see attached sheet		

SELECTED SYSTEM

MARKET AVAILABILITY FOR COLLECTED MATERIALS (cont.)

Market availability for recyclable material is constantly in flux. With material handlers being merged or bought outright, and recycling programs evolving and altering their marketing methods, it is almost impossible to identify each market available for materials generated. The County does not operate a recycling program (except special collections - tire/appliance/HHW), so each organization can market its material in the manner in which it chooses. Because markets for certain materials are becoming difficult to find and some materials are better marketed in larger volumes, the County will assist in the location and securing of markets for materials generated. The following list is a snapshot of the current markets (or brokers) of material utilized or potentially utilized by recycling programs in Eaton County. These markets are able to handle the current volumes collected and in most instances, desire more material. If these markets are unable to process the materials generated, others will be located that can provide the desired service -- both in and out of state. One resource that is constantly used is the MDEQ's Recycled Material Market Directory (hard copy and on-line).

Market/Broker

Material(s) Accepted/Processed

Granger Recycling & Composting Center	paper products, plastic, metal, glass/grass, leaves, brush
Louis Padnos Iron & Metal, Inc.	paper products, metals
Nu-Wool	paper products
Friedland Industries	paper products, plastic, metal, glass
Michigan Polymer Reclaim	plastic
Clean Tech	plastic
Fort James Paper	paper products
Applegate Insulation	paper products
Owens-Illinois (limited)	glass
Spartan Stores Reclamation Center (limited)	corrugated cardboard
Recycle America - Waste Management, Inc.	paper products, plastic, metal, glass
Glass Recyclers, Ltd.	glass
Browning-Ferris Industries	paper products, plastic, metal, glass
Dart Container Corporation	polystyrene foam
Franklin Iron & Metal	metal
Marshall Iron & Metal	metal
CCR & Co.	paper products, plastic
Lubbers Resource Systems, Inc.	paper products, plastic
Krell Paper Stock, Inc.	paper products
Performance Polymers	plastic
Plasber, Inc.	plastic
American Commodities, Inc.	plastic
M.H. Textiles, Inc.	textiles
Cole Tire, Inc.	tires
Huffman Tire Co.	tires

SELECTED SYSTEM

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

It is often necessary to provide educational and informational programs regarding the various components of a solid waste management system before and during its implementation. These programs are offered to avoid miscommunication which results in improper handling of solid waste and to provide assistance to the various entities who participate in such programs as waste reduction and waste recovery. Following is a listing of the programs offered or proposed to be offered in this County.

<u>Program Topic</u> ¹	<u>Delivery Medium</u> ²	<u>Targeted Audience</u> ³	<u>Program Provider</u> ⁴
<u>1</u>	<u>n,o,f,e</u>	<u>p,b,i,s (k-6) - Eaton</u>	<u>DPA</u>
<u>2</u>	<u>n,o,f,e</u>	<u>p,b,i,s (k-6) - Eaton</u>	<u>DPA</u>
<u>3</u>	<u>n,o,f,e</u>	<u>p,b,i,s (k-6) - Eaton</u>	<u>DPA</u>
<u>4</u>	<u>n,o,f,e</u>	<u>p,b,i,s (k-6) - Eaton</u>	<u>DPA</u>
<u>5</u>	<u>n,o,f,e</u>	<u>p,b,i,s (k-6) - Eaton</u>	<u>DPA</u>
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

¹ Identified by 1 = recycling; 2 = composting; 3 = household hazardous waste; 4 = resource conservation; 5 = volume reduction; 6 = other which is explained.

² Identified by w = workshop; r = radio; t = television; n = newspaper; o = organizational newsletters; f = flyers; e = exhibits and locations listed; and ot = other which is explained.

³ Identified by p = general public; b = business; i = industry; s = students with grade levels listed. In addition if the program is limited to a geographic area, then that county, city, village, etc. is listed.

⁴ Identified by EX = MSU Extension; EG = Environmental Group (Identify name); OO = Private Owner/Operator (Identify name); HD = Health Department (Identify name); DPA = Designated Planning Agency; CU = College/University (Identify name); LS = Local School (Identify name); ISD = Intermediate School District (Identify name); O = Other which is explained.

Additional efforts and the above information for those efforts are listed in Appendix E.

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TIMETABLE FOR SELECTED SYSTEM IMPLEMENTATION

This timetable is a guideline to implement components of the Selected System. The Timeline gives a range of time in which the component will be implemented such as "1995-1999" or "On-going." Timelines may be adjusted later, if necessary.

TABLE III-7

Management Components	Timeline
Recycling operations in Eaton County	On-going
Composting operation in Eaton County	On-going
Household Hazardous Waste Collections	On-going
Exportation of waste to other counties	On-going
Educational programs on solid-waste issues for residents of Eaton County	On-going

SELECTED SYSTEM
SITING REVIEW PROCEDURES

AUTHORIZED DISPOSAL AREA TYPES

The following solid waste disposal area types may not be sited by this Plan. Any proposal to construct a facility listed herein shall be deemed inconsistent with this Plan.

SITING CRITERIA AND PROCESS

Review Process

The following siting criteria may only be used if the County falls below the 66 month capacity threshold for siting a facility, or if the Board of Commissioners deems it in the interest of the County to site a facility (regardless of the current capacity).

Any facilities requiring a construction permit under Act 451, Part 115 and to be located in Eaton County shall undergo a review.

OVERVIEW

A Solid Waste Review Committee (SWRC) appointed by the County Board of Commissioners (BOC) will evaluate the project for its compliance and consistency with the criteria established in the Solid Waste Management Plan. The SWRC shall evaluate the proposal for consistency or inconsistency with the Plan and forward their findings to the BOC.

The BOC is responsible for verifying that the SWRC reviewed the proposal(s) in accordance with the siting criteria contained in the Plan. The BOC is responsible for making a determination of consistency or inconsistency in accordance with the siting mechanisms contained in the Plan. The Director of the Michigan Department of Environmental Quality (MDEQ) will make the final determination of consistency as part of the review of a construction permit application for the facility. Proposals found to be consistent by the Director of the MDEQ will thereby be included in the Plan upon issuance of a construction permit by the MDEQ. Proposals found to be inconsistent will not be included in the Plan.

SECTION I - SWRC APPOINTMENT PROCESS

The SWRC is appointed by the Eaton County Board of Commissioners. Appointments to the Committee are served in two-year terms. Membership of this Committee includes:

- | | |
|--|-----------------------------------|
| 1 - Solid Waste Industry Interest | 2 - County Commissioners |
| 1 - Planning Commission Interest | 1 - Environmental Health Interest |
| 2 - Municipal Representatives
(from different municipalities) | 2 - General Public |

If the proposed host community is not already represented by one or more of the appointments to this Committee, one member from the proposed host community will be appointed by the host community (subject to the BOC approval) to participate in the review process. The Host Community Representative's term shall last for the duration of the facility review.

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SECTION II - COMMITTEE PROCEDURES

- The SWRC will adopt its own by-laws and establish its own Chair. Proposals submitted to the SWRC may not be altered or amended once the Committee has begun deliberations. The SWRC and BOC shall not amend or alter these criteria and procedures outlined in the Solid Waste Review Process.
- If at the time a proposal is submitted to the County, Eaton County can demonstrate 66 months of disposal capacity for all waste generated as identified by a currently approved capacity certification, the County may, at its discretion, refuse to allow this siting mechanism to be used.
- If at the time a proposal is submitted to the County, the SWRC has not been appointed, the BOC will have 30 days to appoint members of the SWRC. If the SWRC has not been appointed at the end of this 30-day period, the BOC will proceed with the review of the proposal.

SECTION III - GENERAL PROCEDURES FOR SUBMITTAL AND DETERMINATION OF CONSISTENCY

- A proposal for Determination of Consistency with the Eaton County Solid Waste Management Plan shall be submitted to the staff of the SWRC, the Department of Resource Recovery, in accordance with the timelines detailed in this section. If the Department of Resource Recovery is not staffed when the proposal is submitted, then that proposal shall be submitted directly to the SWRC.

To be considered administratively complete, the proposal must include all of the information required in Section IV, all necessary documentation demonstrating compliance with the criteria in Section V or Section VI (whichever is applicable), and a written description of the proposed facility and its intended use. Additional information may be submitted by the developer to elaborate on any significant points of the proposal.

- The SWRC staff shall determine if the proposal is administratively complete within 15 calendar days after receipt of the proposal. If a proposal does not contain information or documentation required in Sections IV and V or VI and a written description of the proposed facility and its intended use, it shall be returned to the developer as administratively incomplete. Written notification, listing all missing items, will be sent by the SWRC staff to the developer. All fees paid to the County by the developer for consistency review shall also be refunded.

After initial denial, the developer may resubmit a completed proposal and the application fee within 15 calendar days with no penalties and shall be considered under the current review process and evaluated along with any competing proposals which may have been submitted in accordance with the procedures in this Section.

- If the proposal is not determined to be administratively complete within 15 calendar days, the proposal shall be considered administratively complete. The developer shall not be penalized for missing information that is subsequently identified by the County unless the developer fails to submit the additional information in accordance with the following procedures.

The SWRC must inform the developer in writing, listing all items identified as missing from the proposal. While the review process shall continue, all missing information identified after the 15-day period shall be

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submitted by the developer within 10 calendar days of the identification of any missing item(s). The SWRC shall then incorporate this information into the review process. If information is determined to be missing at the end of the 60 day SWRC review period, the developer will still have 10 days to submit information and the SWRC shall have no more than 5 working days to evaluate the material for consistency. If the developer fails to submit the additional information within the prescribed time limits, the proposal shall be determined administratively incomplete in accordance with the procedures in detailed above.

- The SWRC staff shall, upon receipt of a proposal for Consistency Determination, inform the SWRC and the BOC of the receipt of a proposal. A public notice will be posted upon the receipt of the application in an area accessible to the public during normal business hours. An identical notice will also be published in the Department of Resource Recovery. In addition, the BOC shall, at the next scheduled meeting, publicly announce the receipt of a proposal. A notice will be placed in a newspaper having significant circulation in the County regarding the receipt of the proposal.
- In order for competing proposals to be considered, all information required in Sections IV & V or VI must be submitted by competitors within 15 calendar days after the public notice by the County of receipt of the first proposal. If a proposal received during this period is determined to be administratively incomplete, the developer may resubmit with the provisions listed above.

When multiple proposals are submitted, all competing developers will have until 5:00 PM, five working days after the end of the 15 day period defined in the above paragraph to submit additional proposals for meeting any of the criteria specified in the Secondary Criteria (Sections Vb or Vlb).

- Within 5 calendar days of receipt of the proposal by the SWRC staff, notice will be given to the proposed host community. A host community is defined as any Eaton County township, city or village within which property is owned by or is under option to the project proponent and which is incorporated in the total site of the proposed project. Townships, cities, or villages adjacent to the site of the proposed project may also be notified.
- Fifteen (15) copies of the proposal and an application fee must be submitted by the developer to the SWRC staff with the proposal. An additional 10 copies may be requested from the developer if the County receives requests for additional copies.
- Application fees shall be established annually by resolution. The fee schedule shall be available at the Department of Resource Recovery and at the County Controller's Office. The application fee will be used for the project review. Any portion of the fee not used in the review will be returned to the applicant. Application fees for proposals found to be administratively incomplete shall be fully refunded to the developer.
- The review period for a proposal begins on the day the proposal is determined to be administratively complete by SWRC staff, or at the end of 15 calendar days after receipt of proposal if the SWRC staff fails to act as specified above. The host community, the SWRC, and the County Board of Commissioners shall be informed of the starting date of the review period within the first five working days of the receipt of the proposal.

In the case of multiple proposals, the SWRC review period for the proposals shall commence no later than

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15 calendar days after receipt by SWRC staff of the last multiple requests for a Determination of Consistency with the Plan. Proposals for meeting any of the Secondary Criteria (Sections Vb or Vlb) shall be submitted within the first five working days of this 15-day period.

- The SWRC review period shall not exceed 60 calendar days unless an extension is agreed to by the SWRC and the developer. No more than one extension, of 15 calendar days duration is allowed. In the case of multiple proposals, all developers must agree to any extension of the review period.
- Within the first 15 calendar days of review period, an informational meeting shall be scheduled by the SWRC. The meeting shall take place within the first 30 days of the review period. To the extent possible, the meeting shall be set in a location convenient for the community where the project is proposed. The purpose of the informational meeting is to present the proposal as submitted and to orient citizens and participants to the process. No formal testimony in support or opposing the proposal will be received. An opportunity for limited public comment will be provided by the SWRC at the beginning or the end of the meeting.
- Notice of the meeting shall be published no less than seven calendar days before the meeting. Every municipality in the County shall receive a notice of the meeting no less than seven calendar days before the meeting. At least seven calendar days prior to the meeting, SWRC staff will attempt to notify all property owners and building occupants within 300 feet of all properties owned by or under option to the proponent that are part of the proposal.
- Within seven calendar days after the end of the review period, the SWRC shall forward their recommendation for consistency or inconsistency, based solely on the siting criteria contained in the Plan, to the BOC. The BOC shall begin review of the proposal(s) at the end of the seven day period.
- Notice of the SWRC's decision shall be transmitted to every community in the County and the developer within five working days of the action.
- If the SWRC fails to make a recommendation to the BOC on consistency of the proposal(s) within the seven day time period, then the BOC shall review the proposal(s) in accordance with the provisions of the siting criteria in the Plan, and within 45 calendar days, find the proposal(s) consistent or inconsistent with the Plan.
- If the SWRC fails to execute any of the assigned responsibilities or misses any of the established deadlines, the process immediately proceeds to the BOC for completion. If, because of the failure by the SWRC to act in accordance with their deadlines, the BOC assumes responsibility for reviewing a proposal(s), then the remaining deadlines and procedures imposed on the SWRC are transferred to the BOC. The BOC will have 15 calendar days to set schedules necessary to complete the remaining responsibilities for proposal(s) review.
- Within 45 calendar days after the BOC receives a recommendation from the SWRC on a proposal's consistency with the Eaton County Solid Waste Management Plan, the BOC shall find the proposal(s) consistent or inconsistent with the Plan in accordance with the procedures approved as part of this Plan. If the BOC fails to act within that time, the proposal(s) shall be considered by the County to be consistent with the Plan. Final determination of consistency shall be made by the Director of the MDEQ.

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- In the event multiple proposals are received, one informational meeting will be conducted at a centrally located site convenient for the communities. The competing proposal receiving the most points in the Secondary Criteria will be found consistent with the Eaton County Solid Waste Management Plan.

SECTION IV - REQUIREMENTS FOR ADMINISTRATIVE COMPLETENESS - ALL PART 115 FACILITIES

At the time a developer submits a proposal for review, all documentation (with content as would be submitted to the MDEQ for a construction permit) needed to demonstrate compliance with the informational requirements and the primary siting criteria detailed in Section IV and Va or VIa must be submitted. Eaton County acknowledges that some aspects of the proposal may change during the construction permitting process with MDEQ. All information requested is to provide an overview of the intent of the developer.

All proposals submitted to the SWRC shall contain, at a minimum, the following information with content as stated above. This data is for informational purposes only. The submittal of the information is sufficient for the purposes of administrative completeness. Neither the SWRC nor the BOC may evaluate the adequacy of the information required by this Section. The SWRC and/or the BOC may not require additional information or alter this list of items in any way.

Developers must submit this information for the proposal to be considered administratively complete. Evaluation of a proposal's consistency with the Eaton County Solid Waste Management Plan will be based on the Criteria in Section Va or VIa and in the case of multiple proposals, the additional secondary criteria in Section Vb or VIb.

Submitted proposals must be:

1. Typewritten on standard (8 1/2" x 11") recycled-content paper (minimum 10% post-consumer).
2. Stapled with no other foreign materials contained within - no bound proposals will be accepted
3. Contain a table of contents, identifying all sections, appendices and attachments.

The proposal submitted must include:

1. NAME, ADDRESS AND TELEPHONE FOR:

- a) *Applicant*
- b) *Property owner of the proposed site*
- c) *Consulting engineers*
- d) *Designated project contact*

Does the proposal contain the information specified Yes No above?

2. PROPOSED SITE LOCATION AND ORIENTATION

- a) *Legal Description of the Project Area*

Does the proposal contain the information specified Yes No

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above?

b) *Site Location Map* (showing all roadways and principal land features within two miles of the site)

Does the proposal contain the information specified Yes No
above?

c) *Topographic Map* - A contour map at 1 inch = 200 feet scale for the operation area and a contour map at 1 inch = 400 feet scale for the entire site.

Does the proposal contain the information specified Yes No
above?

d) *Proposed Site Size*

Does the proposal contain the information specified Yes No
above?

e) *Access Roads*

- i. Location
- ii. Surface condition and material
- iii. Proposed access point to facility

Does the proposal contain the information specified Yes No
above?

f) *Location of the well-heads of private water wells within one (1) mile and public water systems within three (3) miles of the site.*

Does the proposal contain the information specified Yes No
above?

3. LAND USE AND COVER

a) *Site Land Use and Ground Cover*

Does the proposal contain the information specified Yes No
above?

b) *Locations of the following within a one (1) mile radius of the proposed site - (must provide individual locations)*

- i. Residences
- ii. Commercial establishments
- iii. Industries
- iv. Institutions including schools, churches, hospitals, etc.

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v. Surrounding zoning

Does the proposal contain the information specified Yes No above?

c) *Location of Existing Utilities and Utilities to be moved*

Does the proposal contain the information specified Yes No above?

d) *Location of any public use airport licensed by the Bureau of Aeronautics, Michigan Department of Transportation that is within 10,000 feet of the active fill area.*

Does the proposal contain the information specified Yes No above?

e) *Location of 100-year flood plains on the site and within 1000 feet of the active fill are or work area as identified on MDNR prepared flood plain maps and as defined in the Act 641 Administrative Rules. If MDNR flood plain maps are not available, the developer may submit information from an alternate source selected by the developer.*

Does the proposal contain the information specified Yes No above?

f) *Determination of regulated wetlands from the MDNR or by an independent consulting firm hired by the developer.*

Does the proposal contain the information specified Yes No above?

g) *General soil characteristics*

Does the proposal contain the information specified Yes No above?

4. PROPOSED SITE AND FACILITY DESIGN

a) *Overview of Proposal*

Does the proposal contain the information specified Yes No above?

b) *Location and Size*

Use the applicable subsection for the proposed facility -

Landfills Only

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c) *A narrative description detailing the following*

- i. Useful life and capacity of the proposed facility, including plans for composting and recovery of reusable and recyclable items
- ii. Proposed Fill Area
- iii. Proposed Borrow Area
- iv. Proposed service area: communities, major commercial and industrial establishments, institutions and waste haulers
- v. Cells
- vi. On-site roads
- vii. Structures
- viii. Proposed leak detection systems

Does the proposal contain the information specified above? Yes No

d) *Proposed Design elements including liner systems*

Does the proposal contain the information specified above? Yes No

e) *Proposed Leachate Collection, Disposal and Monitoring Systems*

Does the proposal contain the information specified above? Yes No

f) *Proposed Methane Gas Collection and Treatment System*

Does the proposal contain the information specified above? Yes No

g) *Expected Roadway Traffic*

- i. Expected number of vehicles per day using the site
- ii. Expected size of vehicles using the site

Does the proposal contain the information specified above? Yes No

h) *Time frames for Development, Use and Closure*

Does the proposal contain the information specified above? Yes No

i) *Odor Control Program* - the program must outline

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- i. Control Measures
- ii. Monitoring process and response thresholds

Does the proposal contain the information specified above? Yes No

j) *Fugitive Dust Control Program (daily use)* - the program must outline

- i. Control Measures
- ii. Monitoring process and response thresholds

Does the proposal contain the information specified above? Yes No

k) *Intercounty transfer of waste*

- i. Indicate the geographic areas, by county, from which waste will be drawn and the intended disposal site/method in Eaton County. Intercounty transportation of waste must be in compliance with the provisions authorized by the Eaton County Solid Waste Management Plan.

Does the proposal contain the information specified above? Yes No

l) *Other Information*

- i. The developer may submit additional information highlighting significant or unique features of the proposal.

Does the proposal contain the information specified above? Yes No

Transfer Stations Only

c) *A narrative description detailing the following*

- i. Proposed service area: communities, major commercial and industrial establishments, institutions and waste haulers
- ii. Capacity
- iii. Proposed Work Area
- vi. On-site roads
- vii. Structures
- viii. Proposed leachate collection system

Does the proposal contain the information specified above? Yes No

d) *Proposed Design elements*

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Does the proposal contain the information specified Yes No
above?

e) *Proposed Leachate Collection, Disposal and Monitoring Systems*

Does the proposal contain the information specified Yes No
above?

f) *Expected Roadway Traffic*

- i. Expected number of vehicles per day using the site
- ii. Expected size of vehicles using the site

Does the proposal contain the information specified Yes No
above?

g) *Time frames for Development, Use and Closure*

Does the proposal contain the information specified Yes No
above?

h) *Odor Control Program* - the program must outline

- i. Control Measures
- ii. Monitoring process and response thresholds

Does the proposal contain the information specified Yes No
above?

i) *Fugitive Dust Control Program (daily use)* - the program must outline

- i. Control Measures
- ii. Monitoring process and response thresholds

Does the proposal contain the information specified Yes No
above?

j) *Intercounty transfer of waste*

- i. Indicate the geographic areas, by county, from which waste will be drawn and the intended disposal site/method in Eaton County. Intercounty transportation of waste must be in compliance with the provisions authorized by the Eaton County Solid Waste Management Plan.

Does the proposal contain the information specified Yes No
above?

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k) *Other Information*

- i. The developer may submit additional information highlighting significant or unique features of the proposal.

Does the proposal contain the information specified Yes No above?

ADMINISTRATIVE COMPLETENESS DETERMINATION

The SWRC and the BOC shall review the proposal to determine if each of the items listed above have been addressed by the developer. If the developer has referenced or included specific information addressing each of the items above, the proposal shall be considered administratively complete. This process does not permit arbitrary, discriminatory or subjective decisions that would prevent the establishment of needed facilities by the SWRC or BOC.

SECTION V - SITING CRITERIA - SANITARY LANDFILLS ONLY

In order for a landfill to be found consistent with the Eaton County Solid Waste Management Plan, the following Primary Criteria (Section Va) must be met. If Eaton County can demonstrate that it has 66 months of capacity available for all waste generated in the County, no proposed solid waste landfill must be sited (found consistent) by this Plan -- unless deemed necessary by the Eaton County Board of Commissioners. For competing proposals, the Secondary Criteria (Section Vb) will be used to determine which facility is consistent with the Plan.

Section Va - Primary Criteria

- 1. All proposed new sites and expansions of existing sites must meet Act 451, Part 115 requirements for vertical isolation to groundwater. The developer shall submit a signed statement which states that the design of the facility will meet Act 451, Part 115 requirements for vertical isolation to groundwater.

Is a signed statement included? Yes No

- 2. All proposed new sites and expansion of existing sites must control drainage of storm water from the disposal area of the site. Systems must be designed to control, at a minimum, run-off volume from a 25-year, 24-hour rainfall event. The developer shall submit a signed statement which states that the design of this facility will control, at a minimum, run-off volume from a 25-year, 24-hour rainfall event.

Is a signed statement included? Yes No

- 3. Active fill areas and leachate collection, storage and pre-treatment facilities (exclusive of hook-ups to sanitary sewer systems) must comply with the following isolation distances from public and private water supplies.

- a) A minimum of 2,000 feet isolation distance measured from the solid waste boundary down gradient in the direction of groundwater flow of the first potable aquifer, to any existing Type 1 or Type 2A

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well-head as defined by PA 399 of 1976. Test wells existing at the time of the reviews are not subject to this isolation requirement.

- b) All other isolation distances from the solid waste boundary to any public and private water supplies must be in compliance with the provisions of Act 451, part 115.

Does the proposal maintain the isolation distances Yes No specified above?

- 4. A facility shall not be located in an area of groundwater recharge as defined by the United States Geological Survey or in a well-head protection area as approved by the MDEQ. The developer shall submit a signed statement stating the facility is not in a groundwater recharge area or a well-head protection area.

Is a signed statement included? Yes No

- 5. The exterior boundaries of the active work area for a landfill may not be located:
 - a) Within 1,000 feet of an historic site, district or structure included on the national or state register of historic places or the state historical preservation officer.
 - b) Within 1,000 feet of domiciles, schools (public or private), or an established outdoor recreation area.
 - c) Within 1,000 feet of inland lakes and perennial streams
 - d) Within 4,000 feet of an existing platted subdivision
 - e) Within 500 feet of adjacent property lines and road rights-of-way

Does the proposal maintain the isolation distances Yes No specified above?

- 6. If a radius of 1500 feet is drawn from any point on the perimeter of the active waste management area of the proposed disposal facility, and if that encompassed area has more than 25 dwelling units, the proposal is inconsistent with the Plan.

Does the proposal encompass more than 25 dwelling Yes No units?

- 7. A facility shall not be located in an environmental area as defined in Part 323, Shorelands Protection and Management, of Act 451, or in areas of unique habitat as defined by the MDNR, Natural Features Inventory.

Is specific documentation included? Yes No

- 8. The landfill shall not be constructed within 10,000 feet of a licensed airport runway.

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Is specific documentation included? Yes No

9. A facility shall not be constructed on lands enrolled under Part 361, Farmland and Open Spa Preservation, of Act 451.

Is specific documentation included? Yes No

10. A facility shall not be located in a 100 year flood plain as defined by Rule 323.311 of the administrative rules of Part 31, Water Resources Protection, of Act 451.

Is specific documentation included? Yes No

11. A facility must be located on a parcel of at least 50 acres.

Is specific documentation included? Yes No

12. A facility shall be located on a paved, all weather "class a" road. If the proposed facility is not on a such a road, the developer must include a signed statement to provide for upgrading and/or maintenance of the road serving the facility.

Is the site accessible via a county, all-weather roadway? Yes No

If the site is not directly accessible via a county, all-weather roadway, is the signed statement included? Yes No

13. The developer must provide a traffic safety study for all access roads to the facility. Issues of concern or hazardous conditions identified as part of the study must be discussed by the developer in the proposal.

Is the traffic safety study included? Yes No

14. Access to the site by truck traffic shall not be directly through a residential subdivision in which the roads were constructed primarily for local traffic within the boundaries of the subdivision.

Does the proposal identify access to the site that avoids direct routing through residential subdivisions as specified above? Yes No

15. The site must provide staging and parking areas for trucks, employees and visitors such that access roads remain free of waiting vehicles.

Does the sited design provide staging and parking areas as indicated above? Yes No

Documentation identifying the number of trucks entering the site in correlation with the procedures and areas defined to process the materials coming into the facility must be provided by the developer.

Does the proposal contain the information specified Yes No

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above?

6. Landscaping, including shrubbery, trees and berming, shall be provided and maintained to beautify the view of the landfill. The landscaping must serve as an effective sight barrier around the active fill area.

Does the proposal contain the landscaping plans as Yes No specified above?

17. A landfill may only be located on property zoned as agricultural, industrial at the time the facility developer applies to the County for a determination of consistency under the Plan. Facilities may be located on unzoned property, but may not be located on property zoned residential.

Does the proposal contain the documentation specified Yes No above?

18. The owner and operator of a facility shall agree to cooperate with the County and host community on all current and future recycling, composting and household hazardous waste reduction activities. The developer must include a signed statement agreeing to this stipulation.

Is the signed statement included? Yes No

19. The owner and operator of a facility shall submit a detailed plan describing the proposed final end use of the site.

Does the proposal include written plans as stipulated Yes No above?

20. Upon written demonstration by the MDEQ that a situation exists, which is caused in part or in total by the solid waste facility, that impacts on the health or lives of residences by reason of actual contamination of certain water supplies, the owner/operator agrees to immediately provide an alternative source of water meeting the Safe Drinking Water Standards to those affected and designated users. The quantity shall be sufficient to satisfy all normal drinking and household uses. The developer must include a signed statement agreeing to this stipulation.

Is a signed statement included? Yes No

21. The developer must provide a written statement agreeing to provide the County and the host community copies of all quarterly monitoring reports required by the MDEQ.

Is a signed statement included? Yes No

22. All operators of solid waste facilities permitted and licensed under Act 451 (formerly Act 641) in Eaton County must provide a written statement agreeing to submit to SWRC staff and the clerk of the host community in which the facility is located on or before the 20th day of March, the 20th day of June, the 20th day of September and the 20th day of December, a quarterly report which covers the preceding three-month period ending on the 20th day of the preceding month which includes the following

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information:

- a) Name, location and permit number of the facility;
- b) Name, address and telephone number of the facility owner;
- c) Name, address and telephone number of the facility operator;
- d) Total quantity of waste received at the facility during the past three months in cubic gate yards;
- e) Total quantity of waste received at the facility during the past three months originating from out-county sources in cubic gate yards by county of origin;
- f) An estimate of remaining permitted capacity for continued waste disposal. The method for calculating this capacity must be included in the quarterly report.

Is a signed statement included?

Yes

No

Section Vb - Secondary Criteria

The Secondary Criteria established in the Plan are for use in choosing between competing proposals for the siting of a sanitary landfill. The competing proposal receiving the most points will be found consistent with the Plan. Information submitted for this Section must follow the timelines detailed in Section III to be considered for a Determination of Consistency.

A decision matrix will be used to compare different proposals for consistency with the Eaton County Solid Waste Management Plan. The Criteria to be evaluated in the Secondary Criteria include: Isolation Distances, Population Density, Hours of Operation, Acceptable Waste Types and Host Community Agreements. Each criteria has been given a weighting factor and a potential point range achievable of 10. Therefore, the maximum potential points achievable is 400. Please review Table Vb-1 for an example decision matrix.

TABLE Vb-1
Example Decision Matrix

<u>Proposed Site</u>	<u>Landfill Siting Criteria</u>	<u>Weighting Factor</u>	x	<u>Score</u>	=	<u>Total Received</u>
A	<i>Isolation Distances</i>	10	x	5	=	50
	<i>Population Density</i>	10	x	1	=	10
	<i>Hours of Operation</i>	10	x	3.3	=	33
	<i>Host Community Agreement negotiated</i>	15	x	10	=	<u>150</u>
	Total Score Achieved					
B	<i>Isolation Distances</i>	10	x	5	=	50
	<i>Population Density</i>	10	x	4	=	40
	<i>Hours of Operation</i>	10	x	6.6	=	66
	<i>Host Community Agreement negotiated</i>	15	x	10	=	<u>150</u>
	Total Score Achieved					
C	<i>Isolation Distances</i>	10	x	5	=	50
	<i>Population Density</i>	10	x	9	=	90
	<i>Hours of Operation</i>	10	x	10	=	100
	<i>Host Community Agreement negotiated</i>	15	x	10	=	<u>150</u>
	Total Score Achieved					

1. Isolation Distances

Increased Isolation Distances area a way to help minimize impact on the community in terms of water supply contamination potential and community disturbances due to operations. Distances are based on the horizontal distances from the exterior boundary of the active work area. View Table Vb-2 for the additional point awards possible.

TABLE Vb-2
Isolation Distances

Type 1 & 2A Wellheads (min 2,000 feet)	Domiciles (min 1,000 feet)	Adjacent Property Line & Road-Right-of-Way (min 500 feet)	Inland Lakes/Perennial Streams (min 1,000 feet)
---	-------------------------------	--	--

1 point (up to 10 points total) will be awarded for each additional 50 feet that the proposed site is isolated from the specified categories. Each category has an equal weight distribution of 0.25 for the aggregate outcome.

2. Population Density

A site with diminished Population Density can also lessen the impact of a disposal facility on the surrounding community. Referring to item #7 of the Primary Criteria (Section Va), a radius of 1500 feet from any exterior boundary of the proposed active work area must not encompass more than 25 dwelling units. One (1) point (up to 10 points total) will be awarded for each additional dwelling unit that is NOT encompassed in the 1500 foot radius. In order for these points to be attained, specific documentation indicating the number of dwelling units present must accompany the proposal.

TABLE Vb-3
Example Population Density Matrix

<u>Proposed Site</u>	<u># of Dwelling Units within 1500 foot radius</u>	<u># of Units subtracted from 25</u>	<u>Score</u>
A	24	1	1
B	21	4	4
C	16	9	9

3. Hours of Operation

Many different local considerations can be negotiated in a Host Community Agreement (HCA). Although an HCA is not required as part of this siting process, an agreement is strongly encouraged. Nonetheless, there are some considerations that can attain preference for a proposed site. Limiting Hours of Operation, for example, can provide additional relief from nuisance problems to the surrounding community.

TABLE Vb-4
*Hours of Operation***

<u>Proposed Site</u>	<u>No Sunday/Holiday Activity</u>	<u>Saturday Activity (8am-4pm)</u>	<u>Regular Hours of Operation (7am-7pm)</u>	<u>Score</u>
A	3.3	0	0	3.3
B	3.3	3.3	0	6.6
C	3.3	3.3	3.4	10

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**The developer must include a signed statement agreeing to the Hours of Operation for the facility to attain the achievable points. If the developer chooses not to agree on one certain aspect of this criteria, no points are awarded. However, the developer can still achieve points for agreeing to the other stipulations listed above. No negotiated variation will be allowed for points to be received (i.e. - they must fall within the above parameters).

4. Host Community Agreements

Host Community Agreements (HCA) and Memorandums of Understanding (MOU) are not required, but they are strongly encouraged for the siting of facilities. If a successful HCA/MOU is negotiated, the developer can receive the maximum points possible. If there is a failure to negotiate an HCA, no points will be awarded to the developer.

TABLE Vb-5
Host Community Agreement Negotiated

<u>Proposed Site</u>	<u>Host Community Agreement Negotiated?</u>		<u>Score</u>
	<u>Yes</u>	<u>No</u>	
A		X	0
B		X	0
C	X		10

SECTION VI - SITING CRITERIA - OTHER PART 115 FACILITIES ONLY

In order for all other Part 115 Facilities to be found consistent with the Eaton County Solid Waste Management Plan, the following Primary Criteria (Section VIa) must be met. If Eaton County can demonstrate that it has 66 months of capacity available for all waste generated in the County, no proposed solid waste landfill must be sited (found consistent) by this Plan -- unless deemed necessary by the Eaton County Board of Commissioners. For competing proposals, the Secondary Criteria (Section VIb) will be used to determine which facility is consistent with the Plan.

Section VIa - Primary Criteria

1. Collection, storage and processes for the removal of liquid waste resulting from the operation of the facility shall be contained in a building. Floors must be sealed and sloped away from the entrance to prevent the unauthorized discharge of liquids to groundwater. All collection systems shall be double contained.

Does the proposal include the above specifications? Yes No

2. The facility building(s) shall not be located within 500 feet of adjacent property lines, road right-of-way, or lakes and perennial streams. Facilities may be located closer than 500 feet to adjacent property lines if the affected property owner has provided a written waiver consenting to activities closer than 500 feet.

Does the proposal maintain the isolation distances specified above? Yes No

If no, are the appropriate waivers attached? Yes No

3. The facility building(s) shall not be located within 500 feet of any existing public park, recreation area or school grounds.

Does the proposal maintain the isolation distances specified above? Yes No

4. If a radius of 1500 feet is drawn from any point on the perimeter of the active waste management area of the proposed disposal facility, and if that encompassed area has more than 25 dwelling units, the proposal is inconsistent with the Plan.

Does the proposal encompass more than 25 dwelling units? Yes No

5. A facility must be located on a parcel of at least 50 acres.

Is specific documentation included? Yes No

6. A facility shall be located on a paved, all weather "class a" road. If a facility is not on a such a road, the

SELECTED SYSTEM

developer must include a signed statement to provide for upgrading and/or maintenance of the road serving the facility.

Is the site accessible via a county, all-weather Yes No roadway?

If not, is the signed statement included? Yes No

7. The developer must provide written abatement plans for the control of noise, vibration, odor, and litter.

Are the plans stipulated above included? Yes No

8. The developer must provide a traffic safety study for all access roads to the facility. Issues of concern or hazardous conditions identified as part of the study must be discussed by the developer in the proposal.

Is the traffic safety study included? Yes No

9. Access to the site by truck traffic shall not be directly through a residential subdivision in which the roads were constructed primarily for local traffic within the boundaries of the subdivision.

Does the proposal identify the access requirements Yes No specified above?

10. The site must provide staging and parking areas for trucks, employees and visitors such that access roads remain free of waiting vehicles.

Does the site design provide staging/parking as Yes No indicated above?

Documentation identifying the number of trucks entering the site in correlation with the procedures and areas defined to process the materials coming into the facility must be provided by the developer.

Does the proposal contain the information specified Yes No above?

11. The proposed site must be located in an area zoned for any of the following general uses: industrial, commercial, or agricultural zoned areas. Facilities may not be located in areas zoned residential.

Is the site in one of the acceptable zoning classifications Yes No above?

12. A facility shall not be located in a 100 year flood plain as defined by Rule 323.311 of the administrative rules of Part 31, Water Resources Protection, of Act 451.

Is the site proposed in a 100 year flood plain? Yes No
Is the required documentation included? Yes No

13. A facility shall not be constructed on lands enrolled under Part 361, Farmland and Open Space

SELECTED SYSTEM

Preservation, of Act 451.

Is specific documentation included? Yes No

14. Landscaping, including shrubbery, trees and berming, shall be provided and maintained to beautify the view of the facility in accordance with local zoning requirements. The developer must include a signed statement agreeing to this stipulation.

Is a signed statement included? Yes No

15. The owner and operator of a facility shall agree to cooperate with the County and host community on all current and future recycling, composting and household hazardous waste reduction activities. The developer must include a signed statement agreeing to this stipulation.

Is the signed statement included? Yes No

16. All operators of solid waste facilities permitted and licensed under Act 451 (formerly Act 641) in Eaton County must provide a written statement agreeing to submit to the SWRC staff and the clerk of the host community in which the facility is located on or before the 20th day of March, the 20th day of June, the 20th day of September and the 20th day of December, a quarterly report which covers the preceding three-month period ending on the 20th day of the preceding month which includes the following information:

- a) Name, location and permit number of the facility;
- b) Name, address and telephone number of the facility owner;
- c) Name, address and telephone number of the facility operator;
- d) Total quantity of waste received at the facility during the past three months in cubic gate yards;
- e) Total quantity of waste received at the facility during the past three months originating from out-county sources in cubic gate yards by county of origin;

Is a signed statement included? Yes No

Section VIIb - Secondary Criteria

The Secondary Criteria established in the Plan are for use in choosing between competing proposals for the siting of other Part 115 facilities. The competing proposal receiving the most points will be found consistent with the Plan. Information submitted for this Section must follow the timelines detailed in Section III to be considered for a Determination of Consistency.

A decision matrix will be used to compare different proposals for consistency with the Eaton County Solid Waste Management Plan. The Criteria to be evaluated in the Secondary Criteria include: Isolation Distance, Population Density, Hours of Operation, and Host Community Agreements. Each criteria has been given a

SELECTED SYSTEM

weighting factor and a potential point range achievable of 10. Therefore, the maximum potential points achievable is 400. Please review Table Vb-1 for an example decision matrix.

TABLE VIb-1
Example Decision Matrix

<u>Proposed Site</u>	<u>Landfill Siting Criteria</u>	<u>Weighting Factor</u>	<u>x</u>	<u>Score</u>	<u>=</u>	<u>Total Received</u>
A	<i>Isolation Distances</i>	10	x	5	=	50
	<i>Population Density</i>	10	x	1	=	10
	<i>Hours of Operation</i>	10	x	3.3	=	33
	<i>Host Community Agreement</i>	15	x	10	=	<u>150</u>
Total Score Achieved						243
B	<i>Isolation Distances</i>	10	x	5	=	50
	<i>Population Density</i>	10	x	4	=	40
	<i>Hours of Operation</i>	10	x	6.6	=	66
	<i>Host Community Agreement</i>	15	x	10	=	<u>150</u>
Total Score Achieved						306
C	<i>Isolation Distances</i>	10	x	5	=	50
	<i>Population Density</i>	10	x	9	=	90
	<i>Hours of Operation</i>	10	x	10	=	100
	<i>Host Community Agreement</i>	15	x	10	=	<u>150</u>
Total Score Achieved						390

1. Isolation Distances

Increased Isolation Distances area a way to help minimize impact on the community in terms of water supply contamination potential and community disturbances due to operations. Distances are based on the horizontal distances from the exterior boundary of the active work area. View Table Vb-2 for the additional point awards possible.

TABLE VIb-2
Isolation Distances

Type 1 & 2A Wellheads (min 1000 feet)	Domiciles (min 1000 feet)	Adjacent Property Line & Road-Right-of-Way (min 500 feet)	Inland Lakes/Perennial Streams (min 500 feet)
---	-------------------------------------	---	---

1 point (up to 10 points total) will be awarded for each additional 50 feet that the proposed site is isolated from the specified categories. Each category has an equal weight distribution of 0.25 for the aggregate outcome.

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2. Population Density

A site with diminished Population Density can also lessen the impact of a disposal facility on the surrounding community. Referring to item #7 of the Primary Criteria (Section Va), a radius of 1500 feet from any exterior boundary of the proposed active work area must not encompass more than 25 dwelling units. One (1) point (up to 10 points total) will be awarded for each additional dwelling unit that is NOT encompassed in the 1500 foot radius. In order for these points to be attained, specific documentation indicating the number of dwelling units present must accompany the proposal.

TABLE VIb-3
Example Population Density Matrix

<u>Proposed Site</u>	<u># of Dwelling Units within 1500 foot radius</u>	<u># of Units subtracted from 25</u>	<u>Score</u>
A	24	1	1
B	21	4	4
C	16	9	9

3. Hours of Operation

Many different local considerations can be negotiated in a Host Community Agreement (HCA). Although an HCA is not required as part of this siting process, an agreement is strongly encouraged. Nonetheless, there are some considerations that can attain preference for a proposed site. Limiting Hours of Operation, for example, can provide additional relief from nuisance problems to the surrounding community.

TABLE VIb-4
*Hours of Operation***

<u>Proposed Site</u>	<u>No Sunday/Holiday Activity</u>	<u>Saturday Activity (8am-4pm)</u>	<u>Regular Hours of Operation (7am-8pm)</u>	<u>Score</u>
A	3.3	0	0	3.3
B	3.3	3.3	0	6.6
C	3.3	3.3	3.4	10

**The developer must include a signed statement agreeing to the Hours of Operation for the facility to attain the achievable points. If the developer chooses not to agree on one certain aspect of this criteria, no points are awarded. However, the developer can still achieve points for agreeing to the other stipulations listed above. No negotiated variation will be allowed for points to be received (i.e. - they must fall within the above parameters).

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4. Host Community Agreements

Host Community Agreements (HCA) and Memorandums of Understanding (MOU) are not required, but they are strongly encouraged for the siting of facilities. If a successful HCA/MOU is negotiated, the developer can receive the maximum points possible. If there is a failure to negotiate an HCA, no points will be awarded to the developer.

TABLE VIb-5
Host Community Agreement Negotiated

<u>Proposed Site</u>	<u>Host Community Agreement Negotiated?</u>		<u>Score</u>
	<u>Yes</u>	<u>No</u>	
A		X	0
B		X	0
C	X		10

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C. SOLID WASTE MANAGEMENT COMPONENTS¹

The following identifies the management responsibilities and institutional arrangements necessary for the implementation of the Selected Waste Management System. Also included is a description of the technical, administrative, financial and legal capabilities of each identified existing structure of persons, municipalities, counties and state and federal agencies responsible for solid waste management including planning, implementation, and enforcement.

The Solid Waste Ordinance of 1993 was enacted to provide funding, enforcement and incentives for resource recovery with regards to solid waste in Eaton County (view the copy of the Ordinance in the Attachments section). By requiring waste haulers to be licensed and report to the County, the Plan has a mechanism in place for monitoring compliance. Funding for programs and administration is provided through the recycling surcharge, which is also a part of the Solid Waste Ordinance. The following entities are responsible for administration, enforcement, monitoring and updating of the Eaton County Solid Waste Management Plan.

Designated Implementation Agency (DIA) - The Eaton County Board of Commissioners have accepted ultimate responsibility for county-wide solid waste management activities. The Board of Commissioners have appointed the Department of Resource Recovery as the Designated Implementation Agency (DIA) for the Solid Waste Management Plan. The Department is funded through the Recycling Surcharge with annual revenues of approximately \$210,000 (in 1997). Priorities include:

1. Recommending and overseeing the implementation of specific procurement and operational policies which will ensure that Eaton County is reducing, reusing, recycling and composting to the extent possible.
2. Monitoring and evaluating the County's solid waste education/public information programs.
3. Evaluating the effectiveness of the resource recovery program efforts in terms of the extent to which they achieve the goals of the Plan.
4. Participating in or initiating discussions with the surrounding counties concerning potential regional solid waste programs (including household hazardous waste collections)
5. Keeping current on new laws which are developed to regulate or control solid waste handling.
6. Managing funds that are generated from the Recycling Surcharge for solid waste programs.
7. Enforcing the Solid Waste Ordinance of 1993.
8. Monitoring, updating and amending the Solid Waste Management Plan as necessary.
9. Reporting to the Public Works and Planning Committee every month.

¹ Components or subcomponents may be added to this table.

IDENTIFICATION OF RESPONSIBLE PARTIES

Document which entities within the County will have management responsibilities over the following areas of the Plan.

Resource Conservation:

Source or Waste Reduction - Eaton County Department of Resource Recovery

Product Reuse - Eaton County Department of Resource Recovery

Reduced Material Volume - Eaton County Department of Resource Recovery

Increased Product Lifetime - Eaton County Department of Resource Recovery

Decreased Consumption - Eaton County Department of Resource Recovery

Resource Recovery Programs:

Composting - Eaton County Department of Resource Recovery

Recycling - Eaton County Department of Resource Recovery

Energy Production - Private Companies

Volume Reduction Techniques: Eaton County Department of Resource Recovery

Collection Processes: Private Companies

Transportation: Private Companies

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Disposal Areas:

Processing Plants - Private Companies

Incineration - N/A

Transfer Stations - Private Companies

Sanitary Landfills - Private Companies

Ultimate Disposal Area Uses: Private Companies

Local Responsibility for Plan Update Monitoring & Enforcement: Eaton County Department of Resource Recovery

Educational and Informational Programs: Eaton County Department of Resource Recovery

Documentation of acceptance of responsibilities is contained in Appendix D.

LOCAL ORDINANCES AND REGULATIONS AFFECTING SOLID WASTE DISPOSAL

This Plan update's relationship to local ordinances and regulations within the County is described in the option(s) marked below:

- 1. Section 11538.(8) and rule 710 (3) of Part 115 prohibits enforcement of all County and local ordinances and regulations pertaining to solid waste disposal areas unless explicitly included in an approved Solid Waste Management Plan. Local regulations and ordinances intended to be part of this Plan must be specified below and the manner in which they will be applied described.

The Eaton County Solid Waste Ordinance of 1993 and as amended as of 1994 (view actual Ordinance in attachments section) is included in this Plan. The Ordinance establishes a recycling surcharge to help fund resource recovery in the County, and provides other criteria for waste haulers who conduct business in the County. The Department of Resource Recovery enforces the Ordinance and administers funds to appropriate resource recovery operations in the County.

- 2. This Plan recognizes and incorporates as enforceable the following specific provisions based on existing zoning ordinances:

A. Geographic area/Unit of government: _____

Type of disposal area affected:

Ordinance or other legal basis: _____

Requirement/restriction:

B. Geographic area/Unit of government: _____

Type of disposal area affected: _____

Ordinance or other legal basis: _____

Requirement/restriction:

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C. Geographic area/Unit of government: _____
Type of disposal area affected: _____
Ordinance or other legal basis: _____
Requirement/restriction: _____

D. Geographic area/Unit of government: _____
Type of disposal area affected: _____
Ordinance or other legal basis: _____
Requirement/restriction: _____

E. Geographic area/Unit of government: _____
Type of disposal area affected: _____
Ordinance or other legal basis: _____
Requirement/restriction: _____

3. This Plan authorizes adoption and implementation of local regulations governing the following subjects by the indicated units of government without further authorization from or amendment to the Plan.

Additional listings are on attached pages.

CAPACITY CERTIFICATIONS

Every County with less than ten years of capacity identified in their Plan is required to annually prepare and submit to the DEQ an analysis and certification of solid waste disposal capacity validly available to the County. This certification is required to be prepared and approved by the County Board of Commissioners.

- This County has more than ten years capacity identified in this Plan and an annual certification process is included in this Plan for the purposes of identifying 66 months of capacity if a developer proposes a Part 115 facility.
- Ten years of disposal capacity has not been identified in this Plan. The County will annually submit capacity certifications to the DEQ by June 30 of each year on the form provided by DEQ. The County's process for determination of annual capacity and submission of the County's capacity certification is as follows:

The County will utilize capacity certification at the time a facility is proposed to allow or disallow the siting procedures to be applied if a developer submits a proposal for a Part 115 facility. In such a case, the following certification process will be employed.

Eaton County Resource Recovery will be responsible for compiling information and completing the MDEQ Annual County Solid Waste Disposal Capacity Certification (see attached form). The Board of Commissioners will approve the Capacity Certification before its submittal to the MDEQ and verification of that approval will be attached. Solid waste generation data used will reflect figures adopted in this Plan Update (see Solid Waste Generation - Data Base). Waste Reduction and Recycling information will be compiled from County records including: local-unit recycling programs, waste hauler curbside service, private company recycling and reduction and reuse totals. Recycling conversion factors for tons to cubic yards will be taken from the EPA's *Measuring Recycling, A Guide for State and Local Governments*. Facilities that are being utilized, and legally allowable under this Plan, will be researched for remaining capacity. Upon completion of the form and a finding of more than 66 months of disposal capacity available, the county may, at its discretion, refuse to allow the siting procedure to be used.

Disposal Volume Calculation - Sampling of Authorized Facilities

Based on calculations from companies and landfills agreeing to accept 100% of Eaton County's waste for the planning period (with any restrictions from the host county), at a minimum, the following capacity exists for Eaton County's projected disposal needs:

Arbor Hills Landfill (Washtenaw County - BFI) - 500,000 CY/year for 10 years
 Autumn Hills RDF (Ottawa County - Waste Management, Inc.) - 344,000 CY/year for 10 years
 C&C Landfill (Calhoun County - BFI) - 344,000 CY/year for 7 years
 Granger Landfills (2) (Clinton/Ingham County) - 344,000 CY/year for 10 years
 Hastings Sanitary Landfill (Barry County - Waste Management, Inc.) - 344,000 CY/year for 10 years
 Venice Park Dvlpmnt (Shiawassee County - Waste Management, Inc.) - 344,000 CY/year for 10 years
 Westside RDF (St. Joseph County - Waste Management, Inc.) - 344,000 CY/year for 10 years

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The eight (8) facilities listed above provide approximately 24,408,000 CY of disposal which exceeds Eaton County's estimated 10 year disposal volume (104,225 tons x 3.3 yds/ton x 10 years = 3,439,425 CY) by approximately 20,968,000 CY. Inclusion of all facilities listed in this plan or in counties authorized to accept Eaton County waste will only increase the available disposal volume. Therefore, further calculations of disposal volume are unnecessary.

APPENDIX

ADDITIONAL INFORMATION

REGARDING THE

SELECTED

SYSTEM

EVALUATION OF RECYCLING

The following provides additional information regarding implementation and evaluations of various components of the Selected System.

The selected system is an enhanced version of the current programs taking place in the County at present. The changes that have occurred over the years since the 1990 Solid Waste Management Update have been incorporated, and the best system for the County still remains exporting solid waste out of the County (because of the current capacity considerations) with emphasis on resource recovery and waste reduction.

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS:

List below the types and volumes of material available for recycling or composting.

Many materials are currently recycled and composted from Eaton County's waste stream. Paper, plastics, glass and metals make up the primary items collected for recycling, while leaves and yard waste make up the bulk of materials utilized for composting. The goals of the County will be to divert 20% of the waste stream in 2000, 25% in 2005 and 30% in 2010. These goals were established to allow the County to actually attain solid waste diversion throughout the Plan period.

Material	Estimated Annual Volume Potentially Available		
	2000	2005	2010
Paper – total volume	63,914 CY	66,327 CY	68,789 CY
Glass – total volume	12,784 CY	13,265 CY	13,758 CY
Metals – total volume	19,176 CY	19,898 CY	20,637 CY
Plastics – total volume	19,176 CY	19,898 CY	20,637 CY
Compostables - total volume	60,720 CY	63,010 CY	65,349 CY
Other potentially recyclable	14,381 CY	14,923 CY	15,477 CY
<i>Total volume potentially available</i>	<i>190,151 CY</i>	<i>197,321 CY</i>	<i>204,647 CY</i>

The following briefly describes the processes used or to be used to select the equipment and locations of the recycling and composting programs included in the Selected System. Difficulties encountered during past selection processes are also summarized along with how those problems were addressed:

Equipment Selection

Existing Programs: Local programs include Delta Twp, City of Grand Ledge, Village of Mulliken, Village of Dimondale, City of Pottersville, Village of Vermontville, City of Eaton Rapids, City of Charlotte, and the City of Olivet. Of these, most are drop-off in nature (except for the City of Olivet which contracts with BFI for curbside service) and therefore have limited equipment other than storage containers and some densification equipment. Some of these programs contract out for service and therefore, have only provided containers from the vendor. Private waste haulers (some of which operate both curbside and drop-off facilities) have specialized hauling, densification, and in some instances processing equipment. Selections are made based on need and best efficient practices when concerning local programs. Needs may include market fluctuation regarding acceptability of material, expansion of service, expansion of material collected, and other scenarios that may arise. Private companies are free to select equipment which they feel best meets their needs for providing service to customers.

Proposed Programs: The only proposed program is the siting of a permanent household hazardous waste storage facility. Selection of equipment for that program will be based on other counties trials and successes/failures and consultation with all parties involved (it may be a multi-

county facility). Extensive research will be done in terms of safety and efficiency of handling and funding such a program, if it is to be pursued.

Site Availability & Selection

Existing Programs: Sites for existing programs were established with regard to available areas for the type of operation and demand in the area for the operation. In some instances, programs were held in parking lots until a suitable collection site could be located. Some programs have experienced the need for growth, but are restricted by site size and availability of adjacent properties. While some of these sites may not be the most efficient locations, they are providing excellent service to Eaton County.

Proposed Programs: Site selection for the HHW storage facility will be based on public input, consultation with other counties successes/failures, discussion with proposed sites and the possible regionalization of such a facility for multiple county use. All attempts will be made to site such a facility near major roadways for easy access by all individuals. Currently, no sites have been researched that meet specified criteria, and because this program is proposed, no research will be conducted until the project is further along in development.

Composting Operating Parameters:

The following identifies some of the operating parameters which are to be used or are planned to be used to monitor the composting programs.

Existing Programs:

<u>Program Name:</u>	<u>pH Range</u>	<u>Heat Range</u>	<u>Other Parameter</u>	<u>Measurement Unit</u>
—	—	—	—	
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—

Composting in Eaton County falls into three distinct categories, private, local-unit and backyard composting. Private companies monitor their own composting programs and local-unit programs typically utilize chipping and shredding of materials to use the majority of material as mulch. Leaf collections performed by municipalities are either contracted out or placed in cold-piles for composting. Backyard techniques are mainly cold-pile composting and become an issue of monitoring for the individual homeowner. Therefore no operating parameters are planned to be used in the County for composting programs.

COORDINATION EFFORTS:

Solid Waste Management Plans need to be developed and implemented with due regard for both local conditions and the state and federal regulatory framework for protecting public health and the quality of the air, water, and land. The following states the ways in which coordination will be achieved to minimize potential conflicts with other programs and, if possible, to enhance those programs.

It may be necessary to enter into various types of agreements between public and private sectors to be able to implement the various components of this solid waste management system. The known existing arrangements are described below which are considered necessary to successfully implement this system within the County. In addition, proposed arrangements are recommended which address any discrepancies that the existing arrangements may have created or overlooked. Since arrangements may exist between two or more private parties that are not public knowledge, this section may not be comprehensive of all the arrangements within the County. Additionally, it may be necessary to cancel or enter into new or revised arrangements as conditions change during the planning period. The entities responsible for developing, approving, and enforcing these arrangements are also noted.

Efforts to avoid conflict with other laws, ordinances, conditions, etc. will be maximized so that the Solid Waste Management Plan can be an effective tool for solid waste management in the County. Where applicable, coordination will take place to adapt considerations in the Plan to concur with these other conditions. Past experience indicates that such coordination will be minimal, or non-existent, within the County. However, the Plan will be perpetually monitored to make corrections and/or modifications where they are deemed necessary.

There are currently no existing arrangements that pertain to the Eaton County Solid Waste Management Plan. However, there is the potential for such arrangements to be entered into in the future as regulations and situations evolve in the County, State and Country. Future considerations will be based on the necessity for an arrangement to allow for Plan consistency. As the Designated Planning Agency for the Plan, the Department of Resource Recovery will be responsible for developing and enforcing these arrangements (if necessary). Ultimate responsibility for development, approval and enforcement, however, lies with the Eaton County Board of Commissioners.

COSTS & FUNDING:

The following estimates the necessary management, capital, and operational and maintenance requirements for each applicable component of the solid waste management system. In addition, potential funding sources have been identified to support those components.

System Component¹	Estimated Costs	Potential Funding Sources
<u>Resource Conservation Efforts</u>	see education/information programs	Eaton County Recycling Surcharge
<u>Resource Recovery Programs</u>	\$160,000/yr - grants and county programs	Eaton County Recycling Surcharge
<u>Volume Reduction Techniques</u>	see educational/informational programs	Eaton County Recycling Surcharge
<u>Collection Processes</u>	n/a	Eaton County Recycling Surcharge, local funding, private companies
<u>Transportation</u>	n/a	Eaton County Recycling Surcharge, local funding, private companies
<u>Disposal Areas</u>	n/a	private companies
<u>Future Disposal Area Uses</u>	n/a	private companies
<u>Management Arrangements</u>	n/a	Eaton County Recycling Surcharge (if necessary)
<u>Educational & Informational Programs</u>	\$1,000/yr	Eaton County Recycling Surcharge

¹ These components and their subcomponents may vary with each system.

EVALUATION SUMMARY OF THE SELECTED SYSTEM:

The solid waste management system has been evaluated for anticipated positive and negative impacts on the public health, economics, environmental conditions, siting considerations, existing disposal areas, and energy consumption and production which would occur as a result of implementing this Selected System. In addition, the Selected System was evaluated to determine if it would be technically and economically feasible, whether the public would accept this Selected System, and the effectiveness of the educational and informational programs. Impacts to the resource recovery programs created by the solid waste collection system, local support groups, institutional arrangements, and the population in the County in addition to market availability for the collected materials and the transportation network were also considered. Impediments to implementing the solid waste management system are identified and proposed activities which will help overcome those problems are also addressed to assure successful programs. The Selected System was also evaluated as to how it relates to the Michigan Solid Waste Policy's goals. The following summarizes the findings of this evaluation and the basis for selecting this system:

Eaton County's selected solid waste management system was evaluated according to the guidelines set forth by MDEQ, and from previous experience with the 1990 Plan Update. Each alternative reviewed was determined to be technically and economically acceptable. In addition each component of the selected system was determined to be feasible and acceptable for the County to employ. Updated educational and informational programs, including the development of a website, will be created to enhance County residents understanding of solid waste programs and issues and available options for solid waste management.

It was determined that the current system in place was adequate for managing Eaton County's solid waste, but that there was room for improvement in the areas of resource recovery. Therefore, more emphasis will be placed on education and making efficient use of the programs that are currently working to reduce the need for landfill space outside of the County. While the County is falling short of the Michigan Solid Waste Policy goals (on reported diversion), significant quantities of solid waste are being reused, recycled, and/or composted. The County has reestablished diversion goals to better reflect reported diversion figures. The County intends to divert 20% in 2000, 25% in 2005 and 30% in 2010. These goals were established so that the actual rate is attainable, but is still moving forward to promote alternatives to landfilling/incineration.

No real impediments are present that would hinder the selected system from continuing to function. The fact that many counties are allowing waste to flow freely between them and the private sector handles all waste collection in the County, creates even fewer difficulties than were present in the past.

ADVANTAGES AND DISADVANTAGES OF THE SELECTED SYSTEM:

Each solid waste management system has pros and cons relating to its implementation within the County. Following is an outline of the major advantages and disadvantages for this Selected System.

ADVANTAGES:

1. Major changes to the current system are unnecessary for implementation
2. Provides ample disposal capacity for the 10 year planning period
3. Provides opportunities for residents to recycle and compost.
4. Provides educational and informational resources to the County.
5. Provides funding for resource recovery efforts in the County.
6. Retains private industries freedom to conduct business in the County and surrounding area.
7. Provides for a freer-flow of solid waste among counties in Mid-Michigan.
8. Does not require the siting of a new disposal facility in the County.

DISADVANTAGES:

1. May not be the most efficient means of providing service to the entire County.
2. Increased wear on roadways for transportation of solid waste out of the County.

ADDITIONAL INFORMATION

REGARDING THE

NON-SELECTED

SYSTEMS

Before selecting the solid waste management system contained within this Plan update, the County developed and considered other alternative systems. The details of the non-selected systems are available for review in the County's repository. The following section provides a brief description of these non-selected systems and an explanation why they were not selected. Complete one evaluation summary for each non-selected alternative system.

SYSTEM COMPONENTS:

The following briefly describes the various components of the non-selected systems.

RESOURCE CONSERVATION EFFORTS:

System 1 - continued current programs (few in existence)

System 3 - expansion of resource conservation efforts to complement new facility

System 4 - expansion of resource conservation efforts to complement new facility

System 5 - expansion of resource conservation efforts to complement new facility

VOLUME REDUCTION TECHNIQUES:

System 1 - continued current programs (few in existence)

System 3 - expansion of volume reduction efforts to complement new facility

System 4 - expansion of volume reduction efforts to complement new facility

System 5 - expansion of volume reduction efforts to complement new facility

RESOURCE RECOVERY PROGRAMS:

System 1 - continued programs as status quo

System 3 - expansion of resource recovery opportunities because of increased handling ability

System 4 - increased effort on resource recovery to alleviate dependence on out-county landfill

System 5 - increased effort on resource recovery to decrease dependence on landfilling

COLLECTION PROCESSES:

System 1 - determined by private companies

System 3 - determined by private companies

System 4 - determined by private companies

System 5 - determined by private companies

TRANSPORTATION:

System 1 - determined by private companies

System 3 - determined by private companies

System 4 - determined by private companies

System 5 - determined by private companies

DISPOSAL AREAS:

System 1 - determined by private companies

System 3 - determined by private companies

System 4 - determined by private companies

System 5 - determined by private companies

INSTITUTIONAL ARRANGEMENTS:

System 1 - none in existence

System 3 - none anticipated other than working relationship with private company

System 4 - none anticipated other than working relationship with private company

System 5 - possible host community agreement with disposal facility

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

System 1 - original educational and informational programs (few in existence)

System 3 - increased efforts on education and informational resources for County

System 4 - increased efforts on education and informational resources for County

System 5 - increased efforts on education and informational resources for County

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

System 1 - n/a

System 3 - n/a

System 4 - n/a

System 5 - n/a

EVALUATION SUMMARY OF NON-SELECTED SYSTEM:

The non-selected system was evaluated to determine its potential of impacting human health, economics, environmental, transportation, siting and energy resources of the County. In addition, it was reviewed for technical feasibility, and whether it would have public support. Following is a brief summary of that evaluation along with an explanation why this system was not chosen to be implemented.

System 1 - This system is currently being utilized by the County and is adequate at handling the solid waste for the County. It was determined that there is room for growth, and with increased efforts on several different resource recovery programs, this can be accomplished. Therefore, this system was not chosen for implementation in this Plan update.

System 3 - Several counties in Michigan have Material Recovery Facilities and therefore can handle significantly larger amounts of recyclable material. Although, this is a major benefit. The siting of a MRF in Eaton County was not considered a priority because several resource recovery programs have room for expansion to collect materials, and the desire to site a facility by a private contractor was not established.

System 4 - While a regional transfer station would provide Eaton County with access to landfill capacity throughout the state and possibly the country. The siting of this type of facility would not be favorable to the public. Eaton County also sees no need to site a facility of this nature as it has access to abundant capacity within the Mid-Michigan area.

System 5 - A regional disposal facility would provide the County with ample disposal capacity for the Plan period and beyond. The siting of such a facility would not be favorable to the public at this time. And because landfills already in existence have capacity to meet Eaton County's needs, the siting of such a facility was not a consideration.

ADVANTAGES AND DISADVANTAGES OF THE NON-SELECTED SYSTEM:

Each solid waste management system has pros and cons relating to its implementation within the County. Following is a summary of the major advantages and disadvantages for this non-selected system.

ADVANTAGES:

1. System 1 - Easy to implement, diverting approximately 17% (estimated) of waste stream
2. System 3 - Provides greater capacity to handle recyclable material, markets may be easier to locate for materials
3. System 4 - Could provide access to abundance of landfill capacity throughout the state and country, may provide a more efficient means of final disposal for Eaton County waste
4. System 5 - Would provide capacity for planning period and beyond, may provide a more efficient means of final disposal for Eaton County waste

DISADVANTAGES:

1. System 1 - Room for improvement in resource recovery activities, lack of emphasis on education
2. System 3 - May not be cost effective, actual siting may be difficult due to County demographics
3. System 4 - Requires the siting of a new facility in the County, current waste hauler practices are not considered (private company consolidation, etc.)
4. System 5 - Requires the siting of a new facility in the County, current waste company practices are not considered (private company consolidation, etc.)

PUBLIC PARTICIPATION AND APPROVAL

The following summarizes the processes which were used in the development and local approval of the Plan including a summary of public participation in those processes, documentation of each of the required approval steps, and a description of the appointment of the solid waste management planning committee along with the members of that committee.

Public notices for the schedule of meetings, public comment and review period and the public hearing were placed in newspapers having major circulation in the County (see attached affidavits). Any and all interested parties were included on the mailing list for agendas and minutes and each local unit received a copy of the agenda and minutes at least 10 days prior to each meeting. Public participation was encouraged by listing the meeting dates, times and locations in the local newspapers (see attached affidavits). The SWMPC approved and submitted the Plan to the Board of Commissioners for their review and approval. The Board of Commissioners amended and then approved the Plan for distribution to local units. Each local unit received a copy of the draft plan for review and recommendation (approval or denial). As of the date of submittal to the MDEQ, the following local units had not submitted a decision on the Plan Update, *City of Grand Ledge, City of Lansing, Bellevue Township, Brookfield Township, Carmel Township, Eaton Township, Kalamo Township, Walton Township, and the Village of Vermontville*. Approvals by the Solid Waste Management Planning Committee, the Board of Commissioners, and 67% of municipalities are attached.

PUBLIC PARTICIPATION

PUBLIC INVOLVEMENT PROCESS: A description of the process used, including dates of public meetings, copies of public notices, documentation of approval from solid waste planning committee, County board of commissioners, and municipalities.

In order to ensure public knowledge of and involvement in the planning process, agendas and minutes were sent to all municipalities, and any interested parties, at least 10 days prior to each meeting, a meeting schedule was published in the Community Newspapers of Eaton County (see attached affidavits), and the meeting schedule was posted in the Eaton County Courthouse for public review. A meeting schedule was also on display in the Department of Resource Recovery for public review.

SOLID WASTE MANAGEMENT PLANNING COMMITTEE MEETING SCHEDULE

DATE	TIME	LOCATION
January 29, 1998	10:00 am	BOC Meeting Room
March 3, 1998	9:00 am	BOC Meeting Room
April 7, 1998	9:00 am	BOC Meeting Room
May 5, 1998	9:00 am	Controller Conf Room
June 2, 1998 - canceled	9:00 am	BOC Meeting Room
July 7, 1998	9:00 am	BOC Meeting Room
August 4, 1998	9:00 am	BOC Meeting Room
September 1, 1998	9:00 am	BOC Meeting Room
October 6, 1998	9:00 am	BOC Meeting Room
November 3, 1998	9:00 am	BOC Meeting Room
January 13, 1999 - PUBLIC HEARING	7:00 pm	BOC Meeting Room
March 2, 1999	10:00 am	BOC Meeting Room

*BOC - Board of Commissioners

A notice was also published regarding the public review/comment period for approval of the plan (see attached affidavit). A mailing list was maintained and any individual requesting information about the SWMP was included on that list. All Agendas and Minutes for these meetings are on file with the Designated Planning Agency.

SOLID WASTE MANAGEMENT PLANNING COMMITTEE MEETING MINUTES

November 3, 1998

9:00 A.M.

Call to Order: The meeting was called to order at 9:00 a.m. by Mark Smuts, Chairperson. Members present: Tom Pruden, Steve Essling, Gene Klisiak, Terry Guerin, William LeFevere, John Toth, Gary Peterson and Chad Crandell. Absent: C.E. Losey, Jim Schnackenburg, Joe Brehler, Jean Weirich, and Janice Vedder. Also present Marc Hill, Leonard Peters, Jim Stewart, Gloria Hecht and Maggi Umbarger.

Approval of Minutes: It was moved by William LeFevere and supported by John Toth that the minutes of the October 6, 1998 meeting be approved as presented. Motion carried.

Review of Changes to Draft Plan (affected sections only): Mr. Hill reviewed the changes to the Draft Plan that were made (see attached). Under Siting Criteria Section Va the word "sensitive" was eliminated from item 8, "sensitive environmental area" to be consistent with P.A. 323. Capacity Certifications were clarified and a form inserted to satisfy the requirement. A "severability" clause was added to protect the plan if certain sections were to be declared invalid. Lastly, a Fast-Track Amendment Process was addressed. The Committee decided not to include a formalized Fast-Track Amendment at this time. However, language was included that may cover a Fast-Track Amendment authorization if ever established in the Legislature. The Committee reviewed and discussed the changes. Mr. Guerin inquired if when voting, a member could approve certain sections and not approve others*. Chairman Smuts indicated that the plan would have to be approved as a whole.

Approval of Draft Plan for Public Review Period: John Toth moved that the Draft Plan be submitted for the Public Review Period. Supported by Tom Pruden. Ayes: John Toth, Tom Pruden, Gene Klisiak, Steve Essling, Gary Peterson, Bill LeFevere and Chad Crandell. Nays: Terry Guerin*. Motion carried.

Miscellaneous: Discussion was held as to how the process would proceed. Mr. Hill indicated that the Public Review Period was to be held for 90 days, and that a Public Hearing would need to be scheduled within those 90 days. The Plan would then be presented to the Board of Commissioners and the various municipalities for approval and comments, then sent to the DEQ for their final approval. The Committee would most likely be asked to attend the Public Hearing and then another meeting would be scheduled before the Plan is presented to the Board.

Terry Guerin complimented Mr. Hill on the fine job he did in compiling the Plan and the information he supplied the Committee. The Committee agreed and thanked Mr. Hill.

There was no public comment.

Terry Guerin moved the meeting be adjourned, supported by Bill LeFevere. Motion carried. The meeting adjourned at 9:40 a.m.

**Terry Guerin did not approve the Plan for public comment due to all references to the Solid Waste Ordinance being included in the Plan.*

SOLID WASTE MANAGEMENT PLANNING COMMITTEE MINUTES

March 2, 1999

10:00 A.M.

Call to Order: The meeting was called to order at 10:00 a.m. by Reverend John Toth, Acting Chair. Members present: Terry Guerin, Gene Klisiak, Tom Pruden, Skip Losey, Steve Essling Jim Schnackenburg, and Jean Weirich. Absent: Joe Brehler, Janice Vedder, Bill LeFevere, Mark Smuts, Chad Crandell and Gary Peterson. Also present Marc Hill, Leonard Peters, Jim Stewart, Gloria Hecht, Stephanie Glysson – BFI, Edwin and Alice Hall and Maggi Umbarger. There was not a quorum present as the meeting was called to order.

Review of Minutes: The minutes were reviewed by the members present. Terry Guerin requested that an explanation be added with an asterisk stating his reason for voting no on the Approval of the Draft Plan for the Public Review Period.

Jean Weirich arrived at 10:10 a.m. There is now a quorum present.

It was moved by Tom Pruden and supported by Skip Losey to approve the November 3, 1998 minutes. Motion carried.

Review of the January 13, 1999 Public Hearing Minutes: It was moved by Terry Guerin and supported by Jim Schnackenburg to approve the January 13, 1999 Public Hearing Minutes, with the aforementioned amendment added. Motion carried.

Review of Public Comments and Written Comments Presented: Gloria Hecht submitted a letter during the comment period with comments and items of concern (see attached).

It was the consensus of the Committee to agree with item 1 and cite the source and date of the population projections.

It was also the consensus of the Committee to add the word "Staff" to the SWRC under item 2.

Item 3, regarding "density of dwelling units" as part of the siting criteria was discussed. It was moved by Terry Guerin and supported by Gene Klisiak to remove the criteria completely. More discussion was held. Mr. Guerin withdrew his motion with Mr. Klisiak's approval. It was moved by Jim Schnackenburg, supported by Tom Pruden to leave the criteria as it read. Motion carried.

Item 4, regarding clarification of Capacity Certifications, p. III-78 was discussed. Adding the phrase "at the time a facility is proposed" was being considered to make it clear that the County is not requiring an annual certification. Mr. Hill explained that was the intent, but that it was not clearly stated. Much discussion was held. It was moved by Jean Weirich and supported by Tom Pruden to add the phrase "at the time a facility is proposed" to clarify that an annual certification is not required. Motion carried.

Written Comments from Waste Management were discussed. Mr. Steve Essling addressed these comments and made further clarifications. In general, Waste Management feels that the inclusion of the Solid Waste Ordinance as part of the Eaton County Solid Waste Management Plan is inappropriate and illegal. Much discussion was held. Mr. Terry Guerin also indicated that Granger Container Service, Inc. and the Michigan Waste Industry Association have concerns regarding the use of this funding

mechanism, and its legality. It was stated that there were other mechanisms available for use (specifically P.A. 138), other than the Ordinance that has been enacted. The solid waste industry's intent is to remove the entire Ordinance from the Solid Waste Plan. Further discussion was held. By request, Mr. Hill discussed the ramifications of removing the Ordinance from the Plan. He indicated that the Plan would need extensive revising, as there are many references to the Ordinance. More discussion was held regarding inclusion/exclusion of the Ordinance.

It was moved by Terry Guerin and supported by Steve Essling that all references to the Solid Waste Ordinance be removed from the Solid Waste Management Plan. Further discussion was held. The Committee voted by a show of hands. AYES: Guerin, Essling, Losey, Klisiak, NAYS: Schnackenburg, Pruden, Toth ABSTAIN: Weirich. The motion carried.

Further discussion was held. Jean Weirich expressed concern regarding the unclear circumstances surrounding the vote. More discussion was held. Acting Chair Toth indicated that rules of procedure dictate that once a motion is voted on and closed, no further action can be taken.

Review of Comments from MDEQ: Marc Hill reviewed the MDEQ comments (see attached). Mr. Hill indicated that all items could be revised without concern.

It was moved by Terry Guerin and supported by Jim Schnackenburg that Mr. Hill make the changes as stated by the MDEQ. Motion carried.

Amendments to Draft Plan: The issue of import/export authorization with Jackson County was discussed. Mr. Hill has concern for two haulers from Jackson County who haul only Type III material from Eaton County. Discussion was held regarding Jackson County's import/export requirements and the ramifications of the current language in the Plan. Mr. Hill recommends entering a reciprocal agreement with Jackson County for Type III material only. It was moved by Jim Schnackenburg and supported by Tom Pruden to support the recommendation of Mr. Hill. The Committee voted by a show of hands. AYES: Schnackenburg, Pruden, Toth, Weirich. NAYS: Guerin, Essling, Losey, Klisiak. The motion was lost. The issues surrounding import/export were discussed further.

Approval of Draft Plan and Recommendation to the Board: Much discussion was held regarding the removal of all references to the Solid Waste Ordinance from the Plan. It was clarified that the Board of Commissioners could make amendments to the Plan before the Board actually approved it. It was moved by Steve Essling and supported by Gene Klisiak to send the Plan to the Board of Commissioners for approval with today's recommended changes. More discussion was held. The Committee voted with a show of hands. AYES: Guerin, Essling, Losey, Klisiak, Weirich. NAYS: Schnackenburg, Pruden, Toth. Motion carried.

There were no further miscellaneous items and no public comment.

It was moved by Jim Schnackenburg and supported by Steve Essling to adjourn the meeting. Motion carried.

The meeting adjourned at 11:50 a.m.

EATON COUNTY BOARD OF COMMISSIONERS
SOLID WASTE MANAGEMENT PLAN
RESOLUTION OF ADOPTION

May 19, 1999

Introduced by the Public Works and Planning Committee

Commissioner Smuts moved the approval of the following resolution.
Seconded by Commissioner Hawes.

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Solid Waste Management Planning Committee has developed the Plan, taking public comment into account; and,

WHEREAS, the Public Works and Planning Committee has reviewed the Plan and is recommending its approval;

NOW, THEREFORE, BE IT RESOLVED, that the Eaton County Board of Commissioners officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: Smuts, MacDowell, Kempf, Maylee, Land, Hawes, Reynolds
Royston, Tower, Johnson, Baker, Moon, Peters

NAYS: None

ABSENT: Brehler, Clarke

ABSTENTIONS: None

I, Linda Twitchell, Clerk of the Eaton County Board of Commissioners, hereby certify that the foregoing Resolution was adopted at a regular meeting of the Eaton County Board of Commissioners held on May 19, 1999, a quorum being present.

Linda M. Twitchell
Linda Twitchell, Clerk

May 19, 1999
Date

Carried.

COUNTY OF EATON)
STATE OF MICHIGAN) SS

I, Linda M. Twitchell, Clerk of the Circuit Court for said County of Eaton, Do hereby certify that the foregoing is a true copy of a record now remaining in the office of the Clerk of said County and Court.

In Testimony Whereof, I have hereunto set my hand, and affixed the seal of said Court and County, at the City of Charlotte this 21st day of May A.D. 99

BY Jayce Blake, Prop. Clerk

CITY OF CHARLOTTE
RESOLUTION OF APPROVAL

EATON COUNTY SOLID WASTE MANAGEMENT PLAN

Councilmember Spagnuolo offered the following resolution and moved it's adoption:

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and

WHEREAS, the Eaton County Board of Commissioner has approved the Solid Waste Management Plan, as amended; and

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW THEREFORE BE IT RESOLVED, that the City of Charlotte officially approves the Solid Waste Management Plan and endorses this resolution.

Supported by Powers. Carried. 7 Yeas. 0 Nays.

I, Deborah L. Granger, City Clerk of the City of Charlotte, hereby certifies the foregoing to be a true copy of a resolution passed by the City Council at their regular meeting held July 26, 1999.



Deborah L. Granger, City Clerk



CITY OF EATON RAPIDS

Don Colestock • Mayor
Donald Grimes • Councilman
Thomas Norris • Councilman
Claudia Brown • Councilwoman
William O'Connell • Councilman

200 S. Main Street
Eaton Rapids, MI 48827

(517) 663-8118
FAX (517) 663-1116

William LeFevre • City Manager
Kristy Reinecke • City Clerk/Treasurer
Howard Hillard • City Superintendent
Carl Watkins • Police Chief
Richard Freer • Fire Chief/Building Inspector
Michael Baker • City Assessor
Richard T. Monroe • Development Director
Nancy Murray • Librarian
David Boes • Wastewater Plant Operator

RESOLUTION APPROVING THE EATON COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and

WHEREAS, the Solid Waste management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and

WHEREAS, The Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that the City of Eaton Rapids officially approves the Solid Waste management Plan and endorses this resolution.

AYES: Colestock - Brown - Grimes - Norris

NAYS: None

ABSENT: O'Connell

I hereby certify that the foregoing Resolution was adopted at a Regular Meeting of the Eaton Rapids City Council held on June 14, 1999, at 7:00 p.m., a quorum being present.



Kristy Reinecke
City Clerk/Treasurer

CITY OF OLIVET

**RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN**

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that the CITY OF OLIVET officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: Masters; Rabineau; Walker; Maas; Peterson; Judd

NAYS: None

ABSENT: Smith

ABSTENTIONS: _____

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of the CITY OF OLIVET held on July 12, 1999, a quorum being present.

Becky Perry
Signature Becky Perry, Clerk

July 13, 1999
Date

99-16

CITY OF POTTERVILLE

**RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN**

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that the CITY OF POTTERVILLE officially approves the Solid Waste Management Plan and endorses this resolution.

Moved by Van Fossen, Supported by Grosnickle

AYES: Fry, Grosnickle, Hammond, Schlitz, Van Fossen, Norris

NAYS: None

ABSENT: Mc Donald

ABSTENTIONS: None

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of the CITY OF POTTERVILLE held on Aug. 9, 1999, a quorum being present.

Keith B. Ehm
Signature, City Clerk

8/10/99
Date

BENTON TOWNSHIP

**RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN**

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that BENTON TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: 6 (Six)

NAYS: 0 (None)

ABSENT: 0 (None)

ABSTENTIONS: 0 (None)

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of BENTON TOWNSHIP held on July 12, 1999, a quorum being present.

Martha Halsey
Signature

July 12, 1999
Date

CHESTER TOWNSHIP

**RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN**

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that CHESTER TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: 5 ayes

NAYS: _____

ABSENT: _____

ABSTENTIONS: _____

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of CHESTER TOWNSHIP held on Aug. 9, 1999, a quorum being present.

Sheila K. D. Roger
Signature

August 9, 1999
Date

DELTA CHARTER TOWNSHIP

PASSAGE OF A RESOLUTION

The following resolution was adopted by the Board of Trustees of Delta Charter Township at a special meeting on July 26, 1999:

11. Eaton County Solid Waste Management Plan.

TREASURER LYLE BROWN MOVED THAT THE DELTA TOWNSHIP BOARD OF TRUSTEES ADOPT THE FOLLOWING RESOLUTION:

WHEREAS, EATON COUNTY IS CHARGED BY PUBLIC ACT 451, PART 115, AS AMENDED, TO PERIODICALLY UPDATE ITS SOLID WASTE MANAGEMENT PLAN; AND

WHEREAS, THE SOLID WASTE MANAGEMENT PLANNING COMMITTEE HAS DEVELOPED A SOLID WASTE MANAGEMENT PLAN FULFILLING ALL STATUTORY REQUIREMENTS ENUMERATED IN PART 115, AND

WHEREAS, THE GENERAL PUBLIC HAS HAD THE OPPORTUNITY TO REVIEW AND COMMENT ON THE SOLID WASTE MANAGEMENT PLAN FOR A PERIOD OF 90 DAYS; AND

WHEREAS, THE EATON COUNTY BOARD OF COMMISSIONERS HAS APPROVED THE SOLID WASTE MANAGEMENT, AS AMENDED; AND

WHEREAS, PART 115 REQUIRES 67% MUNICIPAL APPROVAL FOR A SOLID WASTE MANAGEMENT PLAN TO OBTAIN APPROVAL BY THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY;

NOW, THEREFORE, BE IT RESOLVED, THAT THE DELTA TOWNSHIP BOARD OF TRUSTEES OFFICIALLY APPROVES THE SOLID WASTE MANAGEMENT PLAN AND ENDORSES THIS RESOLUTION.

TRUSTEE PHILIP CHISHOLM SUPPORTED THE MOTION. MOTION PASSED 5 TO 0.

DELTA CHARTER TOWNSHIP

Janice Vedder
JANICE VEDDER, TOWNSHIP CLERK

I, Janice Vedder, Clerk of Delta Charter Township, Eaton County, Michigan, hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Board of Trustees at their July 26, 1999 meeting.



DELTA CHARTER TOWNSHIP

Janice Vedder
JANICE VEDDER, TOWNSHIP CLERK

Eaton Rapids Township

Eaton County

2512 South Canal Road

Eaton Rapids, Michigan 48827

PHONE: 517-663-7407 • FAX: 517-663-5143

BOARD MEMBERS

Linda M. Wilbur, Supervisor

Neva M. Sulpher, Clerk

Linn M. Gray, Treasurer

David Wilson, Trustee

Paul J. Albright, Trustee

FIRE DEPARTMENT

Charles Richards, Chief

Dean P. Houston, Deputy Chief

Rick L. Wilbur, Deputy Chief

517-663-3955

EATON RAPIDS TOWNSHIP

#131 RESOLUTION OF APPROVAL EATON COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that EATON RAPIDS TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: _____ 4 _____

NAYS: _____ 0 _____

ABSENT: _____ 1 _____

ABSTENTIONS: _____ 0 _____

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of EATON RAPIDS TOWNSHIP held on August 5, 1999, a quorum being present.

Neva Sulpher
Signature

8-5-99
Date

HAMLIN TOWNSHIP

**RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN**

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that HAMLIN TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: *Five*
NAYS: *None*
ABSENT: *None*
ABSTENTIONS: *None*

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of HAMLIN TOWNSHIP held on *July 13, 1999* , a quorum being present.

 M. Susan Jamieson
Signature

 7-14-99
Date

ONEIDA CHARTER TOWNSHIP

RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that ONEIDA CHARTER TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: MR. BRUNGER, MRS. SCHULTZ, MRS. BRATSCHI, MR. EDWARDS
MR. NELSON, MR. GILBERT

NAYS: MR. COOLEY

ABSENT: NONE

ABSTENTIONS: NONE

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of ONEIDA CHARTER TOWNSHIP held on 6/8/99, a quorum being present.


Signature JANET C. SCHULTZ, CLERK

6/8/99
Date

MINUTES OF THE REGULAR MEETING
ROXAND TOWNSHIP
TOWNSHIP HALL, 100 IONIA ST., MULLIKEN, MICHIGAN
AUGUST 9, 1999
7:30 P.M.

The meeting was called to order by Supervisor Mead. Present were Mead, Pearson, Leik, Walker, Wawiernia. Guests present were: James Holton, Commissioner Mark Smuts, Robert Kelly.

Motion by Mead and supported by Walker to approve the minutes of the July 12, 1999 meeting as printed. Motion carried.

TREASURER'S REPORT

Starting Balance \$121,079.72, Receipts \$18,234.34, Disbursements \$9,602.44, General Fund \$128,997.27, Cemetery \$714.35, Road Fund \$25,618.98, Roxand Township Tax Account \$2,492.18, General Fund C.D.'S \$24,101.97 now worth \$30,818.91, \$5,000.00 now worth \$6,982.49, \$10,000.00 now worth \$14,631.76, Cemetery C.D. \$1,000.00, Fire Fund \$66,399.59, Fire Savings \$67,109.49.

Motion by Walker and supported by Leik to receive the Treasurer's report. Motion carried.

GUESTS

Commissioner Mark Smuts was checking to see how things were going for the Township, and to see if there were any problems to take back to the Board of Commissioners.

CEMETERY

The Vault has been buried. We will put Progressive on hold for the time being so we can see if this is the way we want to go or not.

FIRE DEPT.

The monthly fire and EMS report was given.

Motion by Leik and supported by Pearson to promotion Steve Keeler to the rank of Lt. and Jill Spagnuolo to the position of EMS Director. In a roll call vote Pearson - Yes, Walker - Yes, Mead - Yes, Wawiernia - Yes, Leik - Yes. Motion carried.

Roads

We will amend the budget on road when we get the contract from the Eaton County Road Commission.

General

Motion by Leik and supported by Mead to adopt the following resolution:

RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN

RESOLUTION 8-99-9

WHEREAS, Eaton County is charged by Public Act 451, Part 115 as amended, to periodically update the Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that ROXAND TOWNSHIP officially approves the Solid Waste Management plan and endorses this resolution

AYES, Charlene Pearson, Irving Walker, Larry Mead, Rodney Wawiernia, Leilani K. Leik.

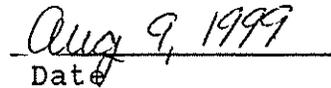
NAYS: NONE

ABSENT: NONE

ABSTENTIONS: NONE

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of ROXAND TOWNSHIP held on July 9, 1999, a quorum being present


Signature


Date

Motion by Wawiernia and supported by Walker that all signed and ok'd bills be allowed and orders drawn upon the treasury for payment of the same. In a roll call vote Pearson - Yes, Walker - Yes, Mead - Yes, Wawiernia - Yes, Leik - Yes, Motion carried.

Motion by Mead and supported by Pearson to transfer \$9,600.00 from general fund to the cemetery fund. In a roll call vote Pearson - Yes, Walker - Yes, Mead - Yes, Wawiernia - Yes, Leik - Yes. Motion carried.

Motion by Mead and supported by Leik that with no further business the meeting be adjourned. Motion carried.

Meeting adjourned at 8:45 p.m.

Leilani K. Leik
Leilani K. Leik
Roxand Township Clerk

Larry Mead
Roxand Township Supervisor



SUNFIELD TOWNSHIP

**RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN**

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that SUNFIELD TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: 5

NAYS: 0

ABSENT: 0

ABSTENTIONS: 0

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of SUNFIELD TOWNSHIP held on July 6, 1999, a quorum being present.

Ray A Smith
Signature Clerk

7-6-99
Date

WINDSOR CHARTER TOWNSHIP

RESOLUTION OF APPROVAL EATON COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that WINDSOR CHARTER TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: Caron, J. St. Clair, A St Clair, Towsley, Butler, Marsh

NAYS: none

ABSENT: Blair

ABSTENTIONS: none

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of WINDSOR CHARTER TOWNSHIP held on July 27, 1999, a quorum being present.

Linda J. Towsley
Signature

7/27/99
Date

VILLAGE OF BELLEVUE

RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that the VILLAGE OF BELLEVUE officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: Sue Brown, Jack Eubank, Brad Gardner, Steve Hoard, Gordon Vogt

NAYS: None

ABSENT: Marian Green

ABSTENTIONS: None

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of the VILLAGE OF BELLEVUE held on July 19, 1999, a quorum being present.

Elizabeth Money
Signature

July 20, 1999
Date

VILLAGE OF DIMONDALE

RESOLUTION OF APPROVAL EATON COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that the VILLAGE OF DIMONDALE officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: Esch, Ramont, Bogi, Albert, Self, Reznick, Chappell

NAYS: none

ABSENT: none

ABSTENTIONS: none

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of the VILLAGE OF DIMONDALE held on July 12, 1999, a quorum being present.

Denise M. Parisian
Signature

7/15/99
Date

VILLAGE OF MULLIKEN

**RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN**

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that the VILLAGE OF MULLIKEN officially approves the Solid Waste Management Plan and endorses this resolution.

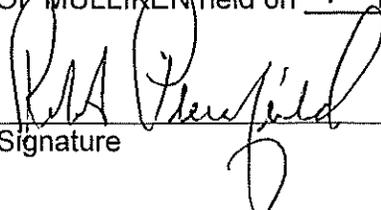
AYES: 07

NAYS: 0

ABSENT: 0

ABSTENTIONS: 0

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of the VILLAGE OF MULLIKEN held on 7-12-99, a quorum being present.


Signature

7-12-99
Date

AFFIDAVIT OF PUBLICATION

COMMUNITY NEWSPAPERS, INC.
239 S. Cochran Ave.
Charlotte, MI 48813

State of Michigan, County of Eaton

IN THE MATTER OF: SCHED98.TXT

EATON CO. RESOURCE RECOVERY DEPT.

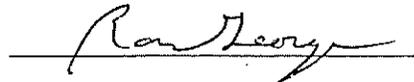
Ron George
Controller

Being duly sworn, says that he/she is authorized by the publisher of Community Newspapers, Inc., to swear that a certain notice, a copy of which is annexed here to, was published in the following publication:

1. Published in the English language for the dissemination of general and/or legal news, and
2. Has a bonafide list of paying customers or has been published at least once a week in the same community without interruption for at least 2 years, and
3. Has been established, published and circulated at least once a week without interruption for at least one (1) year in the community where the publication is to occur.

DELTA/WAVERLY COMMUNITY NEWS

2/15/98



SUBSCRIBED AND SWORN TO BEFORE ME THIS 17TH

DAY OF FEBRUARY, 1998

JODY BARRINGER
NOTARY PUBLIC, EATON COUNTY, MICHIGAN
MY COMMISSION EXPIRES: APRIL 8, 2002

DWCN-C262



NOTICE OF SOLID WASTE MANAGEMENT PLANNING COMMITTEE MEETINGS 1998

As required by the Michigan Department of Environmental Quality, Eaton County will be updating its Solid Waste Management Plan. Public participation is encouraged at these meetings, so please make a note of these dates and locations. Meetings will be held the 1st Tuesday of Every Month at 9:00 am in the Eaton County Board of Commissioners Meeting Room, Eaton County Courthouse, 1045 Independence Blvd., Charlotte, MI unless otherwise notified.

The dates are:

March 3, 1998 - 9:00 am Board of Commissioners Meeting Room

April 7, 1998 - 9:00 am Board of Commissioners Meeting Room

May 5, 1998 - 9:00 am Board of Commissioners Meeting Room

June 2, 1998 - 9:00 am Board of Commissioners Meeting Room

July 7, 1998 - 9:00 am Board of Commissioners Meeting Room

August 4, 1998 - 9:00 am Board of Commissioners Meeting Room

September 1, 1998 - 9:00 am Board of Commissioners Meeting Room

October 6, 1998 - 9:00 am Board of Commissioners Meeting Room

November 3, 1998 - 9:00 am Board of Commissioners Meeting Room

December 1, 1998 - 9:00 am Board of Commissioners Meeting Room

Note:

Minutes and Agendas will be distributed at least 10 days prior to each meeting to all municipalities in Eaton County, any and all interested parties and those counties that will be affected by the Solid Waste Management Plan. If you would like to be included on this list or if you have any questions regarding the Solid Waste Management Plan or update process, please contact the Eaton County Department of Resource Recovery at (517) 543-7500 x627.

AFFIDAVIT OF PUBLICATION

COMMUNITY NEWSPAPERS, INC.
239 S. Cochran Ave.
Charlotte, MI 48813

State of Michigan, County of Eaton

IN THE MATTER OF: SCHED98.TXT

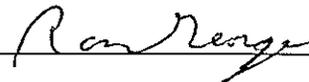
EATON CO. RESOURCE RECOVERY DEPT.

Ron George
Controller

Being duly sworn, says that he/she is authorized by the publisher of Community Newspapers, Inc., to swear that a certain notice, a copy of which is annexed here to, was published in the following publication:

1. Published in the English language for the dissemination of general and/or legal news, and
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3. Has been established, published and circulated at least once a week without interruption for at least one (1) year in the community where the publication is to occur.

CHARLOTTE SHOPPING GUIDE	2/08/98
EATON RAPIDS COMMUNITY NEWS	2/08/98
GRAND LEDGE INDEPENDENT	2/10/98



SUBSCRIBED AND SWORN TO BEFORE ME THIS 10TH

DAY OF FEBRUARY, 1998

JODY BARRINGER
NOTARY PUBLIC, EATON COUNTY, MICHIGAN
MY COMMISSION EXPIRES: APRIL 8, 2002

NOTICE OF SOLID WASTE MANAGEMENT PLANNING COMMITTEE MEETINGS 1998

As required by the Michigan Department of Environmental Quality, Eaton County will be updating its Solid Waste Management Plan. Public participation is encouraged at these meetings, so please make a note of these dates and locations. Meetings will be held the 1st Tuesday of Every Month at 9:00 am in the Eaton County Board of Commissioners Meeting Room, Eaton County Courthouse, 1045 Independence Blvd., Charlotte, MI unless otherwise notified.

The dates are:

March 3, 1998 - 9:00 am Board of Commissioners Meeting Room

April 7, 1998 - 9:00 am Board of Commissioners Meeting Room

May 5, 1998 - 9:00 am Board of Commissioners Meeting Room

June 2, 1998 - 9:00 am Board of Commissioners Meeting Room

July 7, 1998 - 9:00 am Board of Commissioners Meeting Room

August 4, 1998 - 9:00 am Board of Commissioners Meeting Room

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October 6, 1998 - 9:00 am Board of Commissioners Meeting Room

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December 1, 1998 - 9:00 am Board of Commissioners Meeting Room

Note:

Minutes and Agendas will be distributed at least 10 days prior to each meeting to all municipalities in Eaton County, and all interested parties and those counties that will be affected by the Solid Waste Management Plan. If you would like to be included on this list or if you have any questions regarding the Solid Waste Management Plan or update process, please contact the Eaton County Department of Resource Recovery at (517) 543-7500 x627.

**PUBLIC NOTICE
EATON COUNTY SOLID
WASTE MANAGEMENT PLAN UPDATE
DRAFT PLAN REVIEW
AND NOTICE OF PUBLIC HEARING**

As required by the Natural Resources and Environmental Protection Act, 1994 (PA 451 Part 115), and its Administrative Rules, the Eaton County Solid Waste Management Planning Committee has drafted a Solid Waste Management Plan. The Plan addresses the County's techniques for managing solid waste (recovery and disposal) for the five and ten year planning periods. The system selected by the Solid Waste Management Planning Committee continues to utilize current methods of recovery and disposal for Eaton County solid waste.

A 90-day review and comment period has been established for inspection by the Michigan Department of Environmental Quality, the Tri-County Regional Planning Commission, all municipalities in the County, adjacent counties and municipalities that might be affected, and the general public. The Plan can be reviewed by the public at the following location:

Eaton County Department of Resource Recovery
1045 Independence Blvd
Charlotte, MI 48813

NOTICE IS HEREBY GIVEN that a public hearing regarding the Plan will be conducted Wednesday, January 13, 1999 at 7:00 pm at the following location:

Eaton County Board of Commissioners' Room
Eaton County Courthouse
1045 Independence Blvd.
Charlotte, MI 48813

Written comments must be received by February 5, 1999 for consideration by the Committee, and should be submitted to the Department of Resource Recovery.

Eaton County will provide necessary reasonable auxiliary aids to individuals with disabilities at the Planning Commission hearing upon ten days notice to the Eaton County Department of Resource Recovery. Individuals with disabilities requiring these services should contact the Eaton County Department of Resource Recovery, 1045 Independence Blvd., Charlotte, Michigan or telephone (517) 543-7500 Ext. 627.

**Mark Smuts, Chair
Eaton County Solid Waste Management
Planning Committee**

Eaton County Solid Waste Management Plan

Public Hearing

January 13, 1999

7:00 PM

Present:

Mark Smuts (Chair SWMPC), Jim Schnackenburg (member SWMPC), William LeFevere (member SWMPC), Terry Guerin (Michigan Waste Industry Association), Steve Essling (Waste Management, Inc.), Elizabeth Money (Village of Bellevue), Marc Hill (Designated Planning Agency).

Public Hearing:

Chair Smuts convened the hearing at 7:00 PM. Marc Hill commented that copies of written comments received from a member of the public, Gloria Hecht, were available and explained that they would be included in the public record (see attached).

Chair Smuts opened the floor for comments regarding the Plan from the body present.

Terry Guerin commented on the inclusion of the Eaton County Solid Waste Ordinance of 1993 in the current Plan Update. The Michigan Waste Industry Association (MWIA) objects to two (2) provisions outlined in the Ordinance, specifically the fee structure and the licensing requirement. T. Guerin explained that Eaton County lacks the statutory authority to enact and enforce these provisions and objects to their inclusion in the Solid Waste Management Plan. T. Guerin went on to explain that the recent appellate decision from the Saginaw County case was being appealed to the Supreme Court and the MWIA had filed an amicus brief with the high court.

Steve Essling distributed written comments (see attached) to the body present and briefly explained the points outlined. Waste Management, Inc. specifically objects to:

1. The imposition of a surcharge on the exportation of solid waste from the county. S. Essling explained that counties may not impose a tax on waste that is being exported outside the county. He also stated that the surcharge is discriminatory, as some residents do not subscribe to regular trash service. According to S. Essling, the system used in Allegan County might affect property owners more adequately.
2. The mandated quotas for recycling. S. Essling explained that recycling, as defined by Part 115, is source separated material and not under the purview of the Solid Waste Management Plan.
3. The required recycling data collection. S. Essling explained that recycling, as defined by Part 115, is source separated material and not under the purview of the Solid Waste Management Plan.
4. The licensing requirement on solid waste transporting units. S. Essling reiterated T. Guerin's comments that Eaton County lacks the authority to impose licensing requirements on solid waste transporting units.

Waste Management objects to these items being included in the current Plan Update. S. Essling explained that he had made these comments at the Ordinance's inception and adoption,

08/12/99

but at that time, then owner City Management, Inc. decided against filing a lawsuit in opposition of the Ordinance.

Having no other comments offered Chair Smuts closed the hearing at 7:12 PM.

PUBLIC PARTICIPATION

PLANNING COMMITTEE APPOINTMENT PROCEDURE:

The County solicited individuals from each represented category on the Solid Waste Management Planning Committee. Contacts that indicated an interest in participating on the Committee were approved by the Board of Commissioners. All appointments were filled, and any changes to the Committee that arose followed the same procedure as the original appointment procedure.

PUBLIC PARTICIPATION

PLANNING COMMITTEE

Committee member names and the company, group, or governmental entity represented from throughout the County are listed below.

Four representatives of the solid waste management industry:

1. C.E. Losey - Allied Disposal Company
2. Gene Klisiak - BFI
3. Steve Essling - City Environmental - Hastings
4. Terry Guerin - Granger Companies

One representative from an industrial waste generator:

1. Tom Pruden - Spartan Motors

Two representatives from environmental interest groups from organizations that are active within the County:

1. Reverend John Toth - Dimondale Recycling Center
2. Jim Shnackenburg - Barry/Eaton Health Department

One representative from County government. All government representatives shall be elected officials or a designee of an elected official.

1. Joseph Brehler - Eaton County Commissioner

One representative from township government:

1. Janice Vedder - Delta Township Clerk

One representative from city government:

1. William LeFevere - City of Eaton Rapids Manager

One representative from the regional solid waste planning agency:

1. Mark Smuts - Tri-County Regional Planning Commission

Three representatives from the general public who reside within the County:

1. Chad Crandell
2. Gary Peterson
3. Jean Weirich

ATTACHMENTS

APPENDIX D

Plan Implementation Strategy

The following discusses how the County intends to implement the plan and provides documentation of acceptance of responsibilities from all entities that will be performing a role in the Plan.

Since many of the facets of the selected system are already in place, implementation of the Plan will focus on increasing efforts in resource recovery and waste reduction. The Department of Resource Recovery will be the entity that utilizes the Plan and monitors it for compliance. While many of the programs have been functioning for several years, a phased-in approach toward cooperation between programs will be pursued. The County is committed to resource recovery and a cooperative effort to reach diversion goals is a step toward increasing efficiency and effectiveness.

Private waste haulers will continue to operate in the County providing waste collection and recycling services to residents. Waste haulers cooperation under the Solid Waste Ordinance has led to an improved resource recovery system and it will continue to improve for the Planning period.

Please view the attached signed documentation of acceptance of responsibilities from the following entities.

Department of Resource Recovery - Solid Waste Management Plan implementation, monitoring, amending, updating, etc.

Severability

Sections of the Plan shall be deemed severable and should any section, clause or provision of this Plan be declared to be invalid, it shall not affect the validity of the Plan as a whole or any part thereof other than the part so declared to be invalid.

Fast-Track Amendment Process

In the event that legislative changes to P.A. 451 (Part 115) allow for a Fast-Track Amendment to be included in County Solid Waste Management Planning, the Eaton County Board of Commissioners will develop a process (to be approved by the MDEQ) by which certain aspects of the Plan may be amended. This Fast-Track Amendment process will allow for public comment and participation, but will streamline the current procedures necessary for amendments to the Plan.

ATTACHMENTS

Resolutions

The following are resolutions from County Board of Commissioners approving municipality's request to be included in an adjacent County's Plan.

Not Applicable

ATTACHMENTS

Listed Capacity

Documentation from landfills that the County has access to their listed capacity.



WASTE MANAGEMENT COMPANY

August 31, 1998

Mr. Marc Hill, County Solid Waste Coordinator
Eaton County Department of Resource Recovery
1045 Independence Blvd.
Charlotte, MI48813

Re: Assurance of landfill capacity

Dear Mr. Hill:

I want to acknowledge your request wherein you request capacity assurances from Granger to meet the needs of the solid waste planning process. Granger Land Development Company and Granger Waste Management Company will assure that Eaton County residences and businesses will have access to disposal capacity for a ten year period commencing with the date the Eaton County Solid Waste Management Plan Update becomes certified by the required two-thirds vote of the municipalities in Eaton County. Granger's two facilities can serve as Eaton County's primary disposal sites for waste generated in Eaton County during the aforementioned ten year period. The volume you note required would be approximately 1,043,000 tons of capacity for type 11 and type 111 waste during the ten year period; Granger acknowledges that the capacity is available to meet those needs.

I hope this information is sufficient. If not please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Terry L. Guerin".

Terry L. Guerin
Director of Governmental Relations



VENICE PARK RECYCLING & DISPOSAL FACI /
A WASTE MANAGEMENT COMPANY

9536 East Lennon Road
Lennon, MI 48449
(810) 621-9080
(810) 621-3156 Fax

March 25, 1999

Mr. Marc Hill
Resource Recovery Department
1045 Independence Blvd.
Charlotte, Mi. 48813

Dear Mr. Hill,

This letter shall serve as Venice Park's formal request to be included as a primary disposal site in the Eaton County Solid Waste Plan. Waste is approved to leave Eaton County and be disposed of at Venice Park in the Shiawassee County Solid Waste Plan. Currently, Venice Park has 900,000 cu. yds. of available air space. Venice Park is in the process of finalizing a construction permit expansion that will be completed and approved in June of 1999. The expansion will yield an additional 15 million cu. yds. of capacity.

Venice Park can accept up to 100% of Eaton Countys solid waste. If you have questions regarding this communication, please feel free to call me at 810-621-9080.

Sincerely,

A handwritten signature in cursive script that reads 'Chris Basgall'. The signature is written in dark ink and includes a small flourish at the end.

Chris Basgall

cc: Terry Cooney



May 22, 1998

Mr. Marc Hill
Resource Recovery Department
1045 Independence Blvd.
Charlotte, MI 48813

RE: Eaton County Solid Waste Management Plan Update
Explicitly Authorized Solid Waste Exports

Dear Mr. Hill:

BFI Waste Systems of North America, Inc. is a waste disposal company operating three Type II Sanitary Landfills in Michigan. These disposal facilities are authorized to accept municipal refuse, non-hazardous industrial waste and non-hazardous contaminated soils. These facilities are C&C Landfill in Calhoun County (south central Michigan), Arbor Hills Landfill in Washtenaw County (southeast Michigan) and Vienna Junction Landfill in Monroe County (also southeast Michigan). Included with this letter are the facility descriptions for each of the three BFI sites. You will be required by the MDEQ to provide this information in your planning process.

BFI understands that your county has indicated to the Michigan Department of Environmental Quality (MDEQ) its intention to update your solid waste management plan as required by Part 115 of the Natural Resources and Environmental Protection Act. In order for a landfill located in one county to serve the disposal needs of another county, Part 115 requires that the solid waste management plans of both counties explicitly authorize such services. The MDEQ also recommends, as part of your solid waste management plan update, that the updated plan explicitly identify the quantity of waste which may be exported to another county for disposal. Current export/import authorizations for your county are listed in the MDEQ "Export/Import Authorizations in County Solid Waste Management Plan Updates - January 1996". A copy of this report can be obtained from the MDEQ.

BFI's intent in sending this letter is to ask that your Solid Waste Planning Committee review its current export authorizations. We would then ask that your committee consider providing for export authorization to the three counties identified above (Calhoun, Washtenaw and Monroe) in the event that your county should ever be in need of one of

County SW Planning
May 22, 1998
Page 2

these disposal facilities in the next five to ten years (as required by the solid waste planning process). BFI would also ask your committee to consider authorizing each of these three landfills to serve up to 100 percent of the daily and annual disposal needs of your county, again, in the event that this should ever be necessary.

BFI would be pleased to help your county to provide for its long term disposal needs. We looks to provide any assistance we may offer to you as you move through this solid waste planning update process. We would also be happy to attend any scheduled meetings at which you might request BFI to be present in order to discuss this request in more detail. I thank you for your attention to this request.

Sincerely,



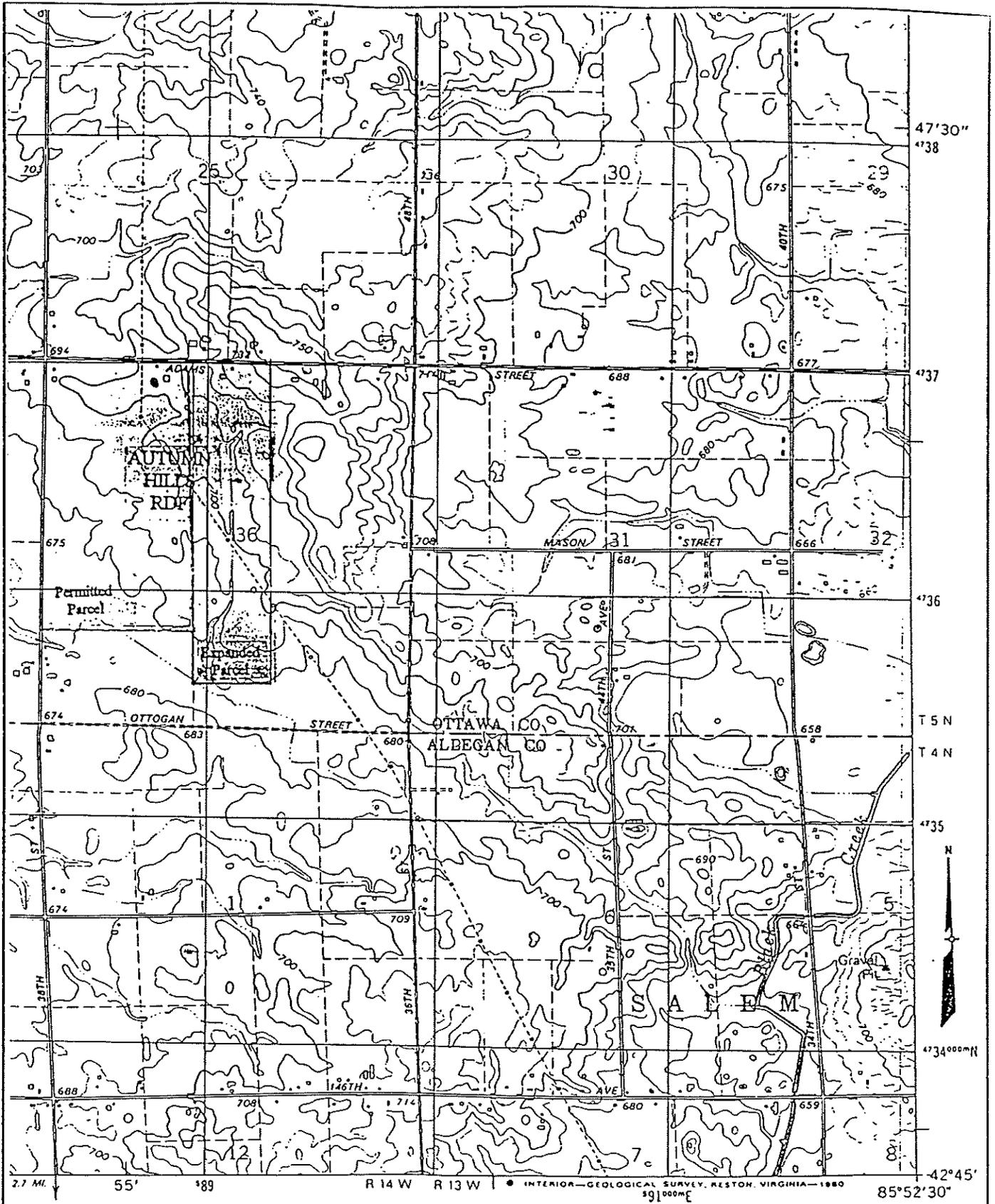
Kathleen A. Klein
BFI Public Sector Representative

Encl.

ATTACHMENTS

Maps

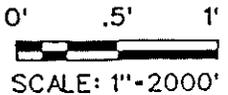
Maps showing locations of solid waste disposal facilities used by the County.



LEGEND

- SITE

MAP SOURCE: PART OF U.S.G.S. HUDSONVILLE WEST QUADRANGLE MAP



SCALE: 1"=2000'

RUST ENVIRONMENT & INFRASTRUCTURE

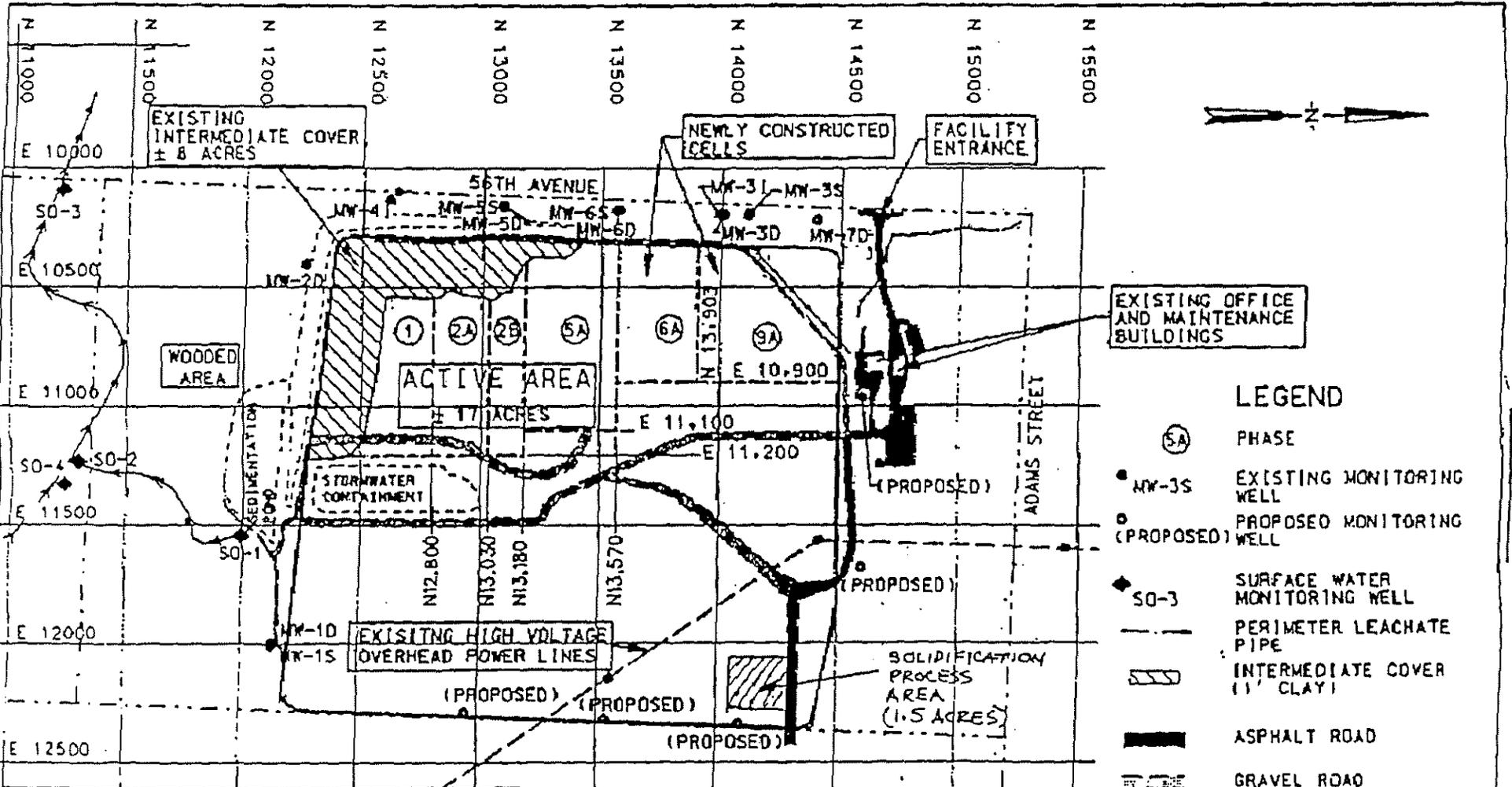
PROJECT: AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY

PROJECT NO.: 74525.100

FIGURE 2 - 2

ENVIRONMENTAL ASSESSMENT REPORT
PERMIT MODIFICATIONS

SITE TOPOGRAPHY



EXISTING OFFICE AND MAINTENANCE BUILDINGS

LEGEND

- ⑤A PHASE
- MW-3S EXISTING MONITORING WELL
- (PROPOSED) PROPOSED MONITORING WELL
- ◆ SO-3 SURFACE WATER MONITORING WELL
- PERIMETER LEACHATE PIPE
- ▨ INTERMEDIATE COVER (1' CLAY)
- ASPHALT ROAD
- GRAVEL ROAD
- CELL SEPARATION LIMIT
- - - PROPERTY LINE

ATTACHMENT A

PHASE	NO. OF ACRES	YEAR CONSTRUCTED
POND	2.6	1992
1	9.5	1992
2A	4.8	1993
2B	3.2	1994
5A	7.5	1995
6A	4.5	1996
9A	5.6	1996

SCALE: 1" = 600'

RUST ENVIRONMENT & INFRASTRUCTURE

PROJECT NO: 70184.100

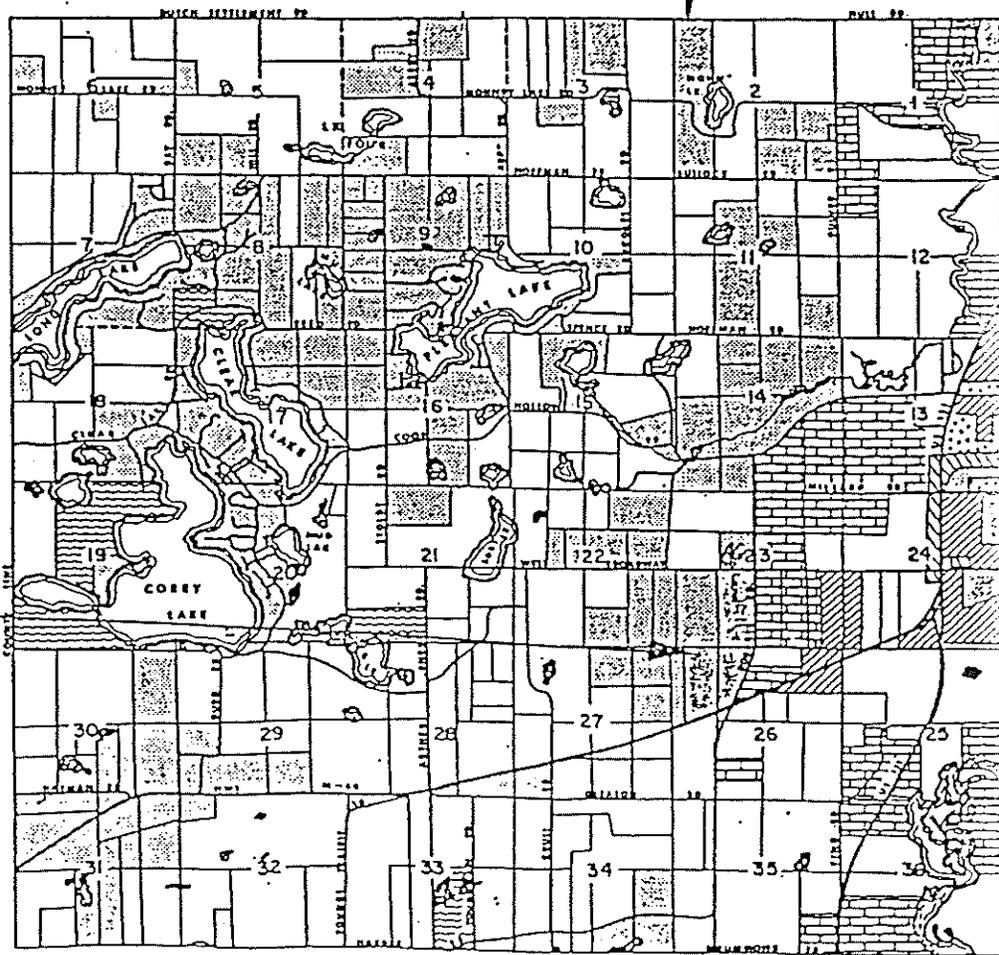
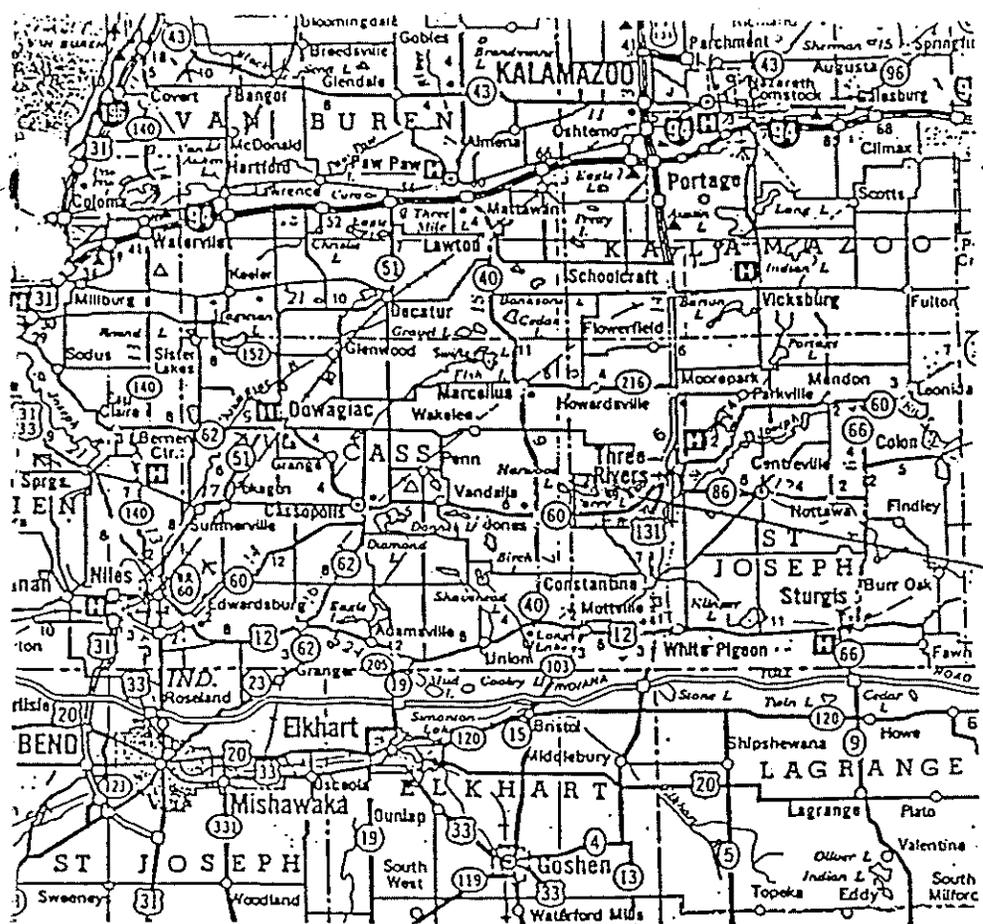
PROJECT: AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY
 OTTAWA COUNTY, MICHIGAN

SHEET 1 OF 1

CADD PRODUCED DRAWING
 0184S02.DWG LKL/ZVLR/MS

SHEET TITLE: EXISTING FACILITY LAYOUT
 AND MONITORING PLAN

DRAWING NO.
 1

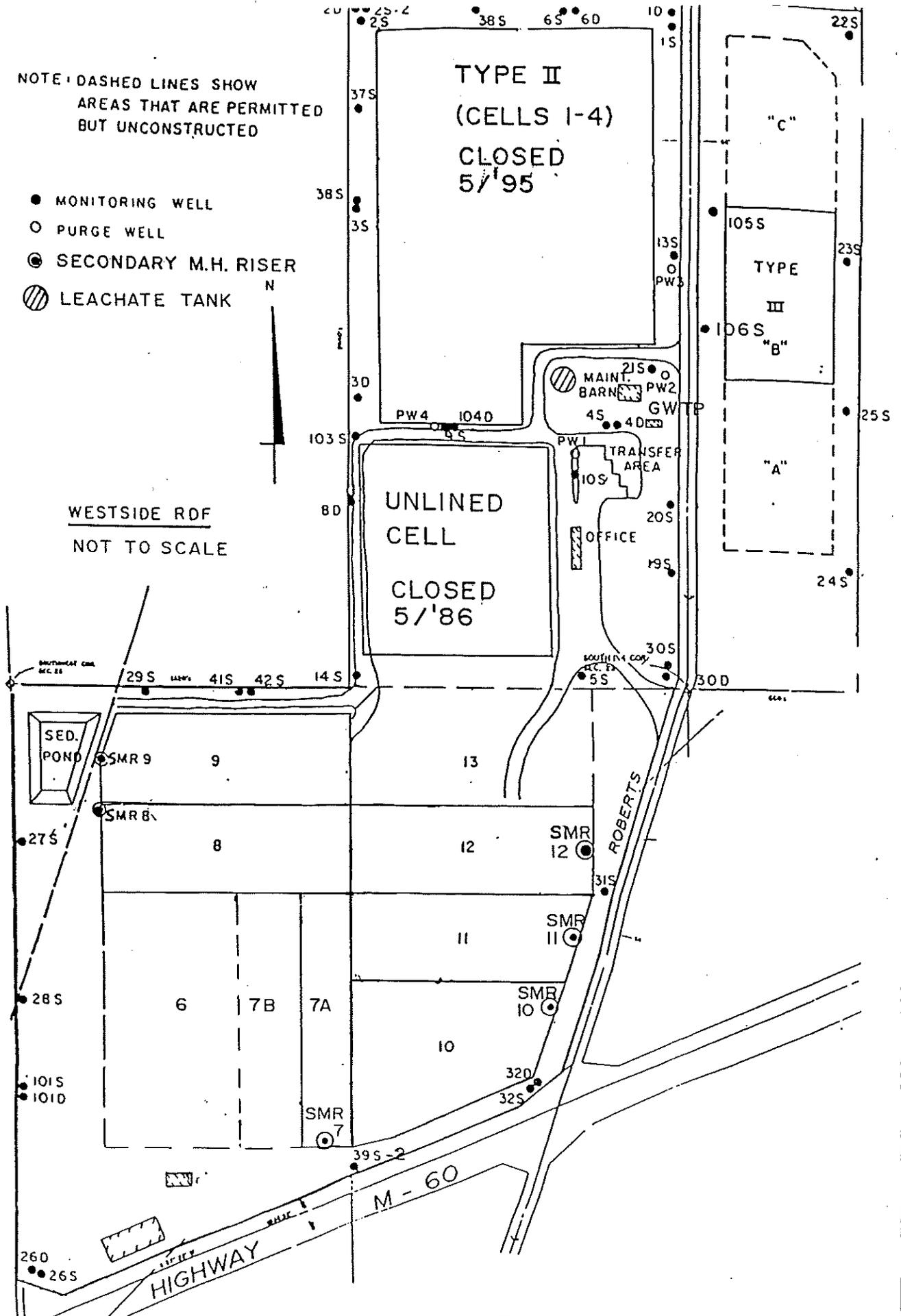


WESTSIDE
LANDFILL

NOTE: DASHED LINES SHOW
AREAS THAT ARE PERMITTED
BUT UNCONSTRUCTED

- MONITORING WELL
- PURGE WELL
- ⊙ SECONDARY M.H. RISER
- ▨ LEACHATE TANK

WESTSIDE RDF
NOT TO SCALE



WESTSIDE RDF

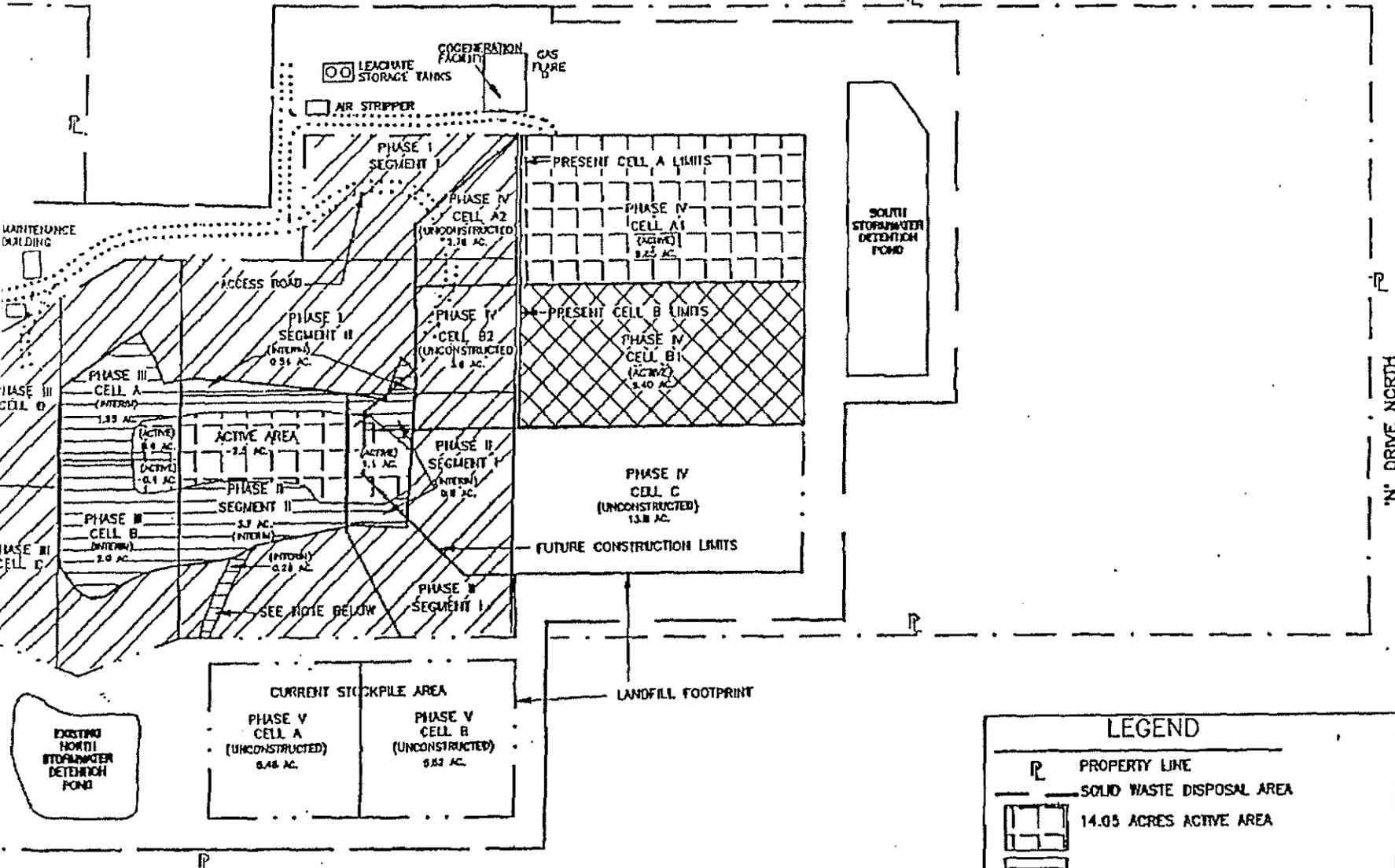
C & C EXPANDED SANITARY LANDFILL PHASE IV CELL B - ATTACHMENT A

CONSTRUCTION SCHEMATIC
PAGE 2 OF 2



1" = 500'

15 MILE ROAD

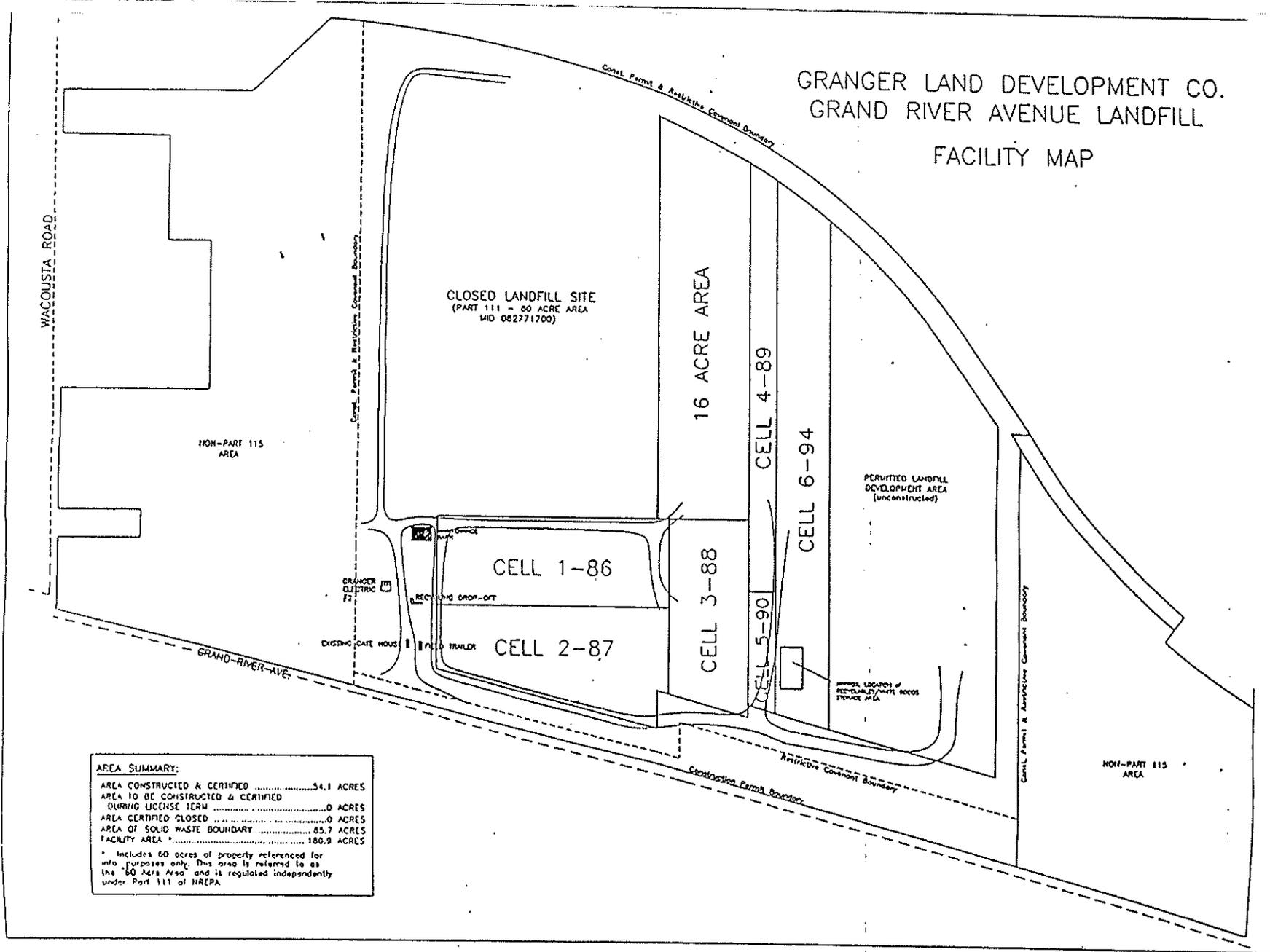


NOTE: MAINTENANCE ROAD ON WEST SLOPE IS NOT FINAL COVERED.

LEGEND	
	PROPERTY LINE
	SOLID WASTE DISPOSAL AREA
	14.05 ACRES ACTIVE AREA
	9.25 ACRES INTERIM COVER
	9.40 ACRES PHASE IV, CELL B
	38.15 ACRES CERTIFIED FINAL COVER

GRANGER LAND DEVELOPMENT CO.
GRAND RIVER AVENUE LANDFILL

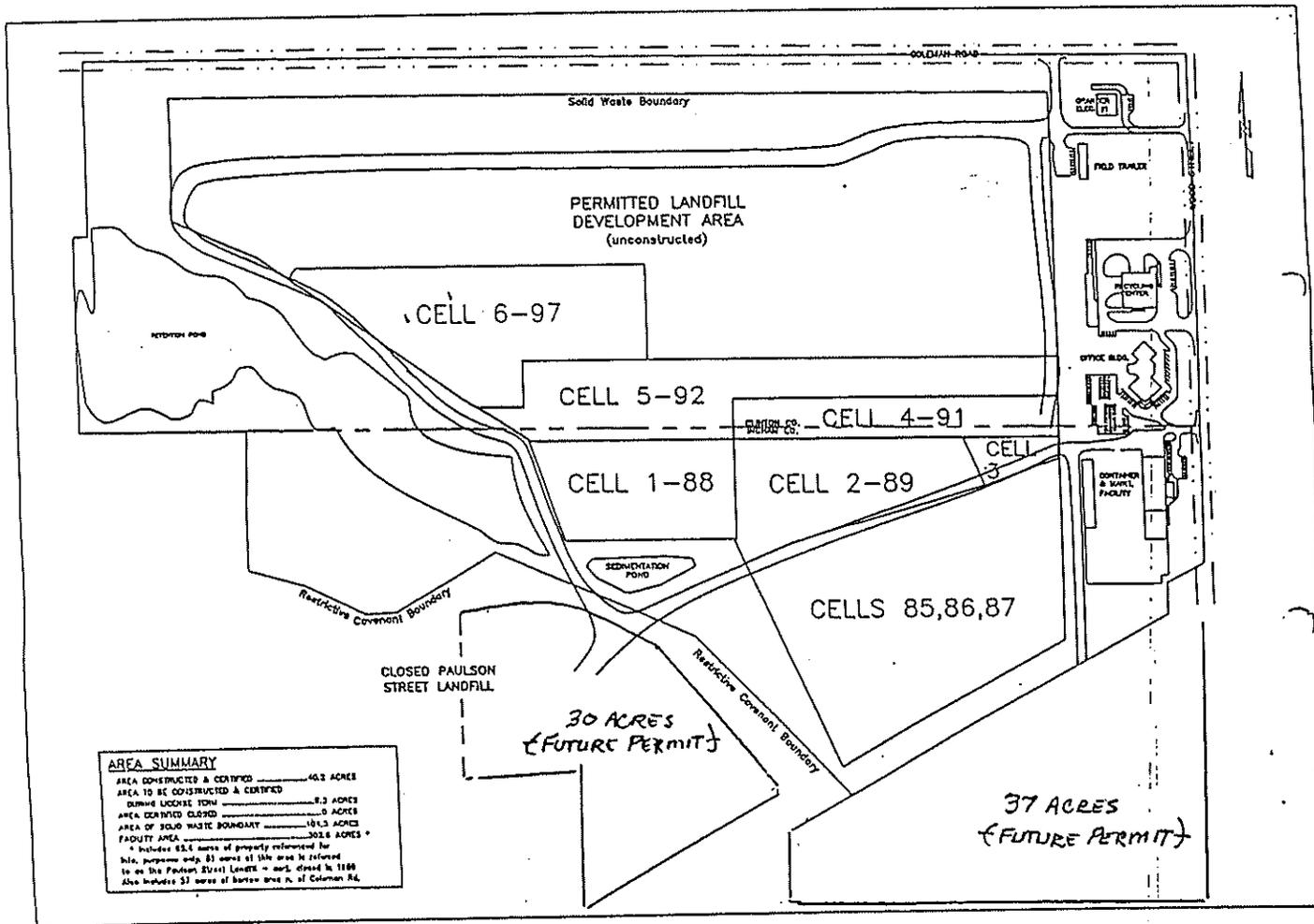
FACILITY MAP



AREA SUMMARY:

AREA CONSTRUCTED & CERTIFIED	54.1 ACRES
AREA TO BE CONSTRUCTED & CERTIFIED DURING LICENSE TERM	0 ACRES
AREA CERTIFIED CLOSED	0 ACRES
AREA OF SOLID WASTE BOUNDARY	85.7 ACRES
FACILITY AREA *	180.9 ACRES

* Includes 80 acres of property referenced for info purposes only. This area is referred to as the "80 Acre Area" and is regulated independently under Part 111 of NREPA.

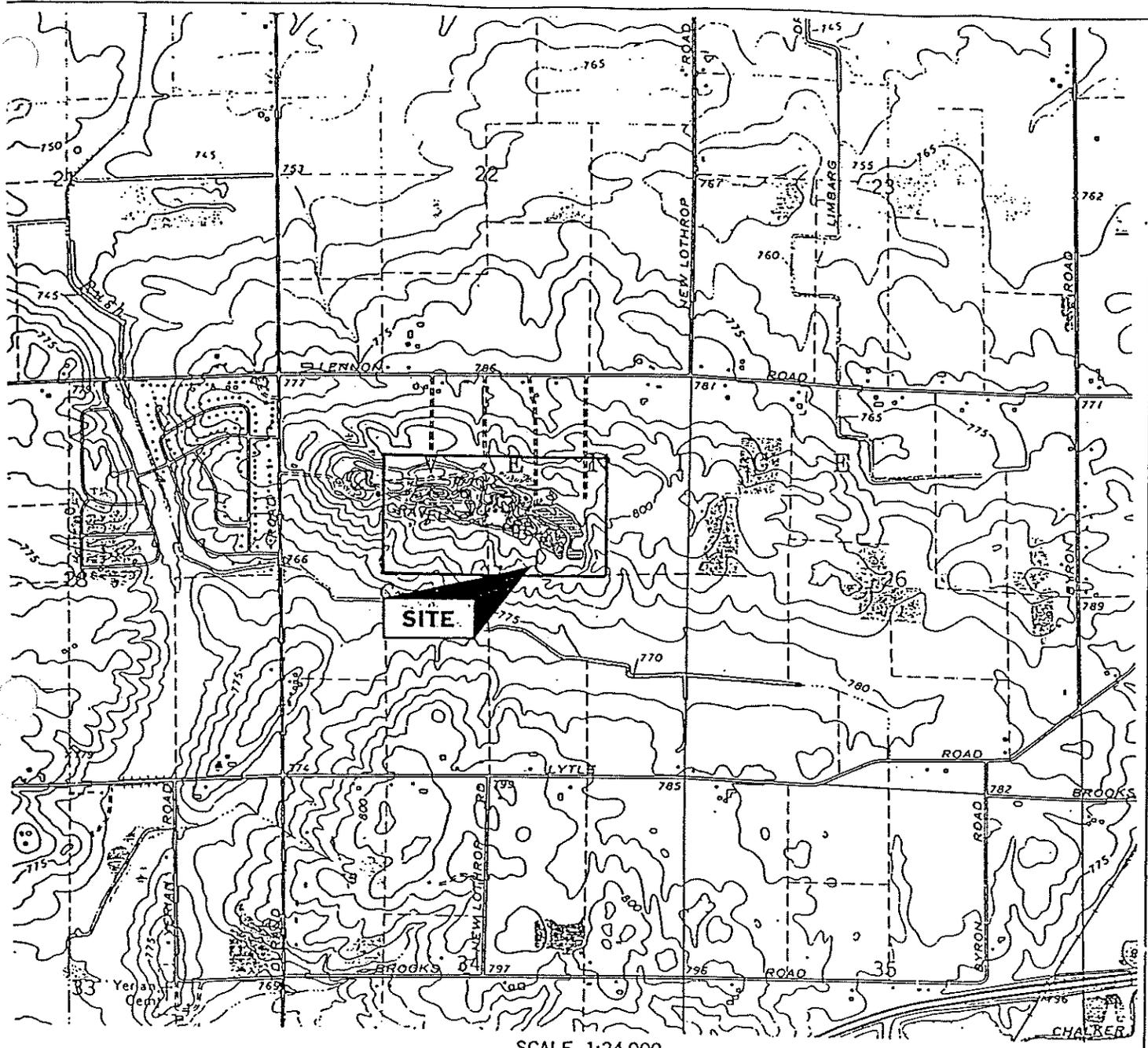


AREA SUMMARY

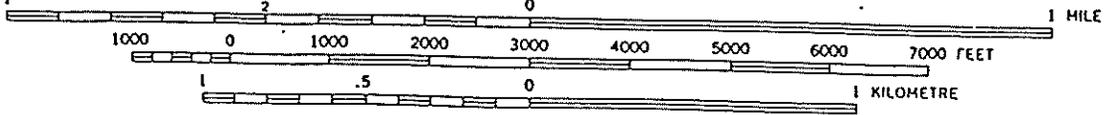
AREA CONSTRUCTED & CERTIFIED	40.2 ACRES
AREA TO BE CONSTRUCTED & CERTIFIED	8.3 ACRES
DURING LICENSE TERM	8.3 ACRES
AREA DEEMED CLOSED	0 ACRES
AREA OF SOLID WASTE BOUNDARY	181.5 ACRES
FACILITY AREA	303.6 ACRES *

* Includes 82.6 acres of property referenced for this purpose and 81 acres of this area is referred to as the Paulson Street Landfill - was closed in 1988. Also includes 51 acres of barren area in of Columbian Rd.

**GRANGER WASTE MANAGEMENT
WOOD STREET PART 115 LANDFILL
FACILITY MAP**



SCALE 1:24 000



CONTOUR INTERVAL 5 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
DURAND QUADRANGLE
 MICHIGAN
 7.5 MINUTE SERIES (TOPOGRAPHIC)

1969
 PHOTOREVISED 1975
 AMS 4269 IV NW-SERIES Y862

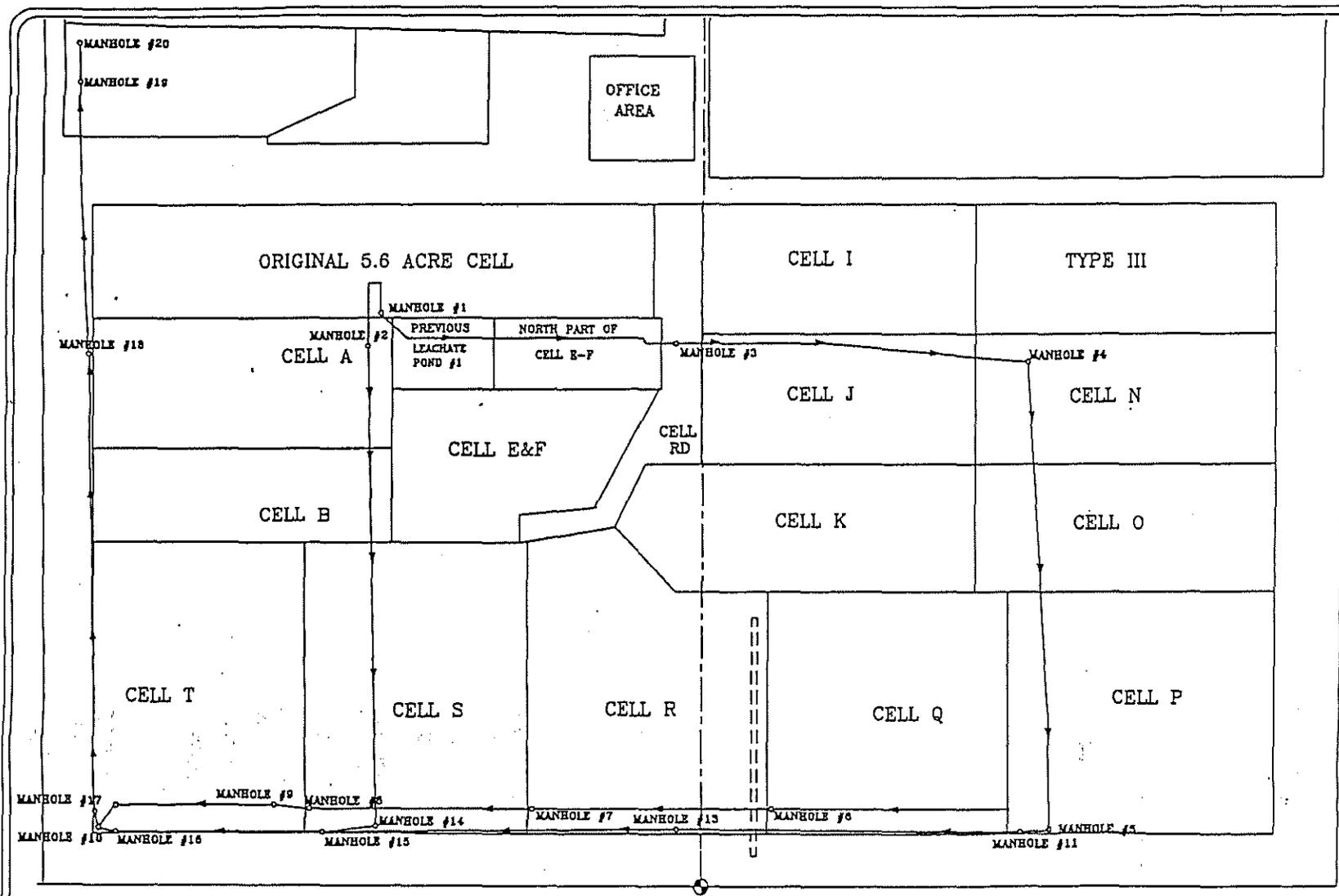


Date
 4-17-97
 Drawn By
 ARR
 Scale
 AS SHOWN
 Job
 PE 27575

BAY CITY
 KALAMAZOO
 LANSING
 PLYMOUTH
 TOLEDO

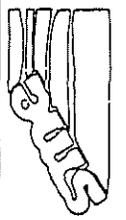


SITE LOCATION MAP
 VENICE PARK RECYCLING & DISPOSAL FACILITY
 9536 LENNON ROAD
 LENNON, MICHIGAN



SITE PLAN
 VENICE PARK RECYCLING AND DISPOSAL FACILITY
 9536 LENNON ROAD
 LENNON, MICHIGAN

DATE: 4-18-97
 SCALE: 1" = 200'
 DRAFTER: ARR/AM
 JOB: PE 27575



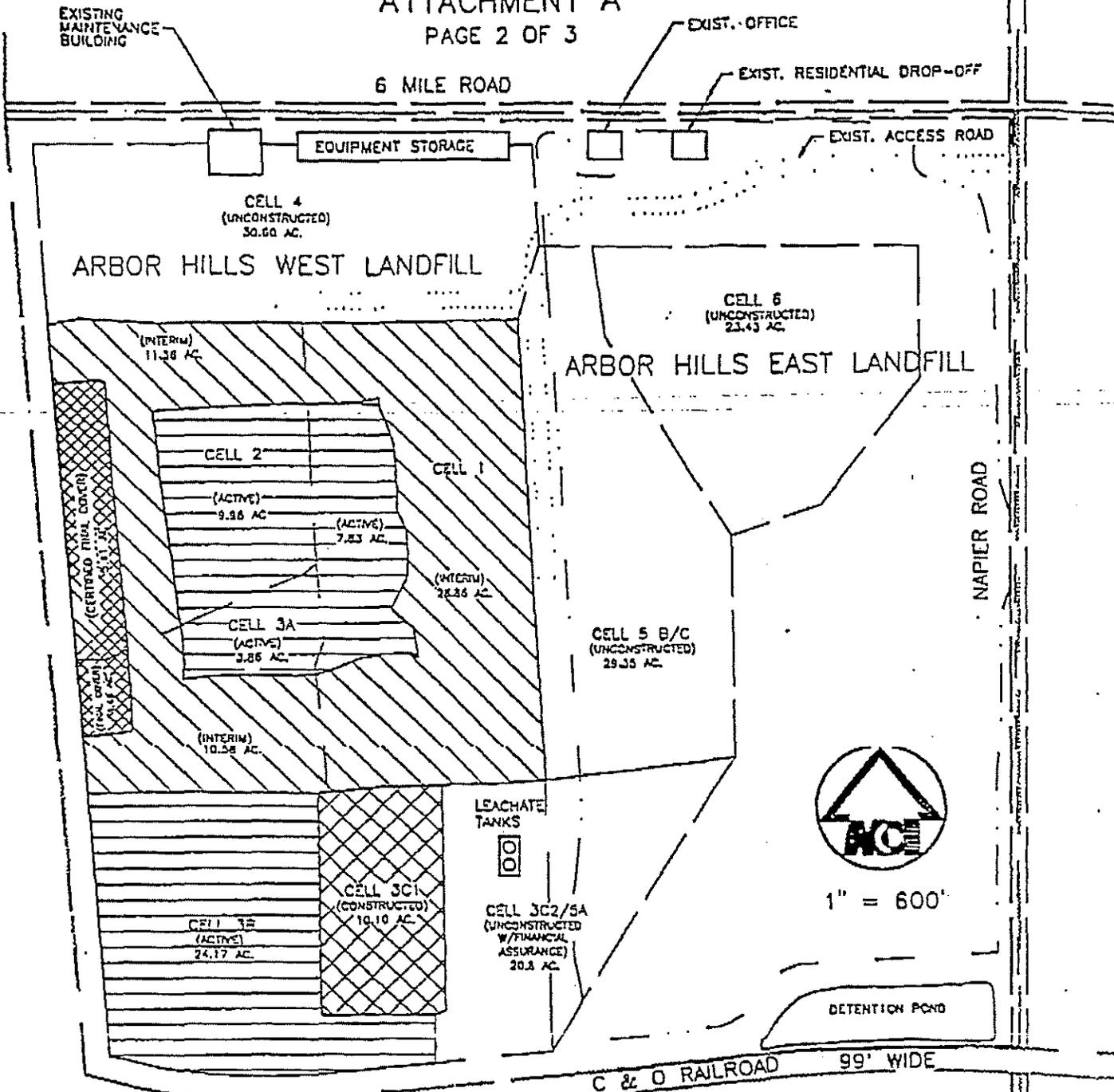
NOTE:
 1. Base map provided by ROWE Engineering, Inc.

FILE NAME: R:\VENICE\27575-02

Figure No. 2

ARBOR HILLS WEST EXPANDED SANITARY LANDFILL CONSTRUCTION SCHEMATIC

ATTACHMENT A
PAGE 2 OF 3



1" = 600'

LEGEND	
	SOLID WASTE DISPOSAL AREA
	ACTIVE PORTIONS NOT AT FINAL GRADE - 45.82 AC.
	ACTIVE WITH INTERIM COVER 50.80 AC.
	CONSTRUCTED AREA CERTIFIED WITH THIS AP - 10.10 AC.
	CERTIFIED FINAL COVER 6.37 AC.
	APPROXIMATE ARBOR HILLS EAST WASTE LIMITS

WASHTENAW COUNTY
WAYNE COUNTY

MIDWESTERN CONSULTING


 Civil Engineers 3415 Perry Drive
 Environmental Engineers and Surveyors, Michigan 48106
 Detroit, Michigan 313.963.7000 Fax 313.963.0001

ARBOR HILLS WEST EXPANDED SANITARY LANDFILL OVERALL SITE FACILITIES

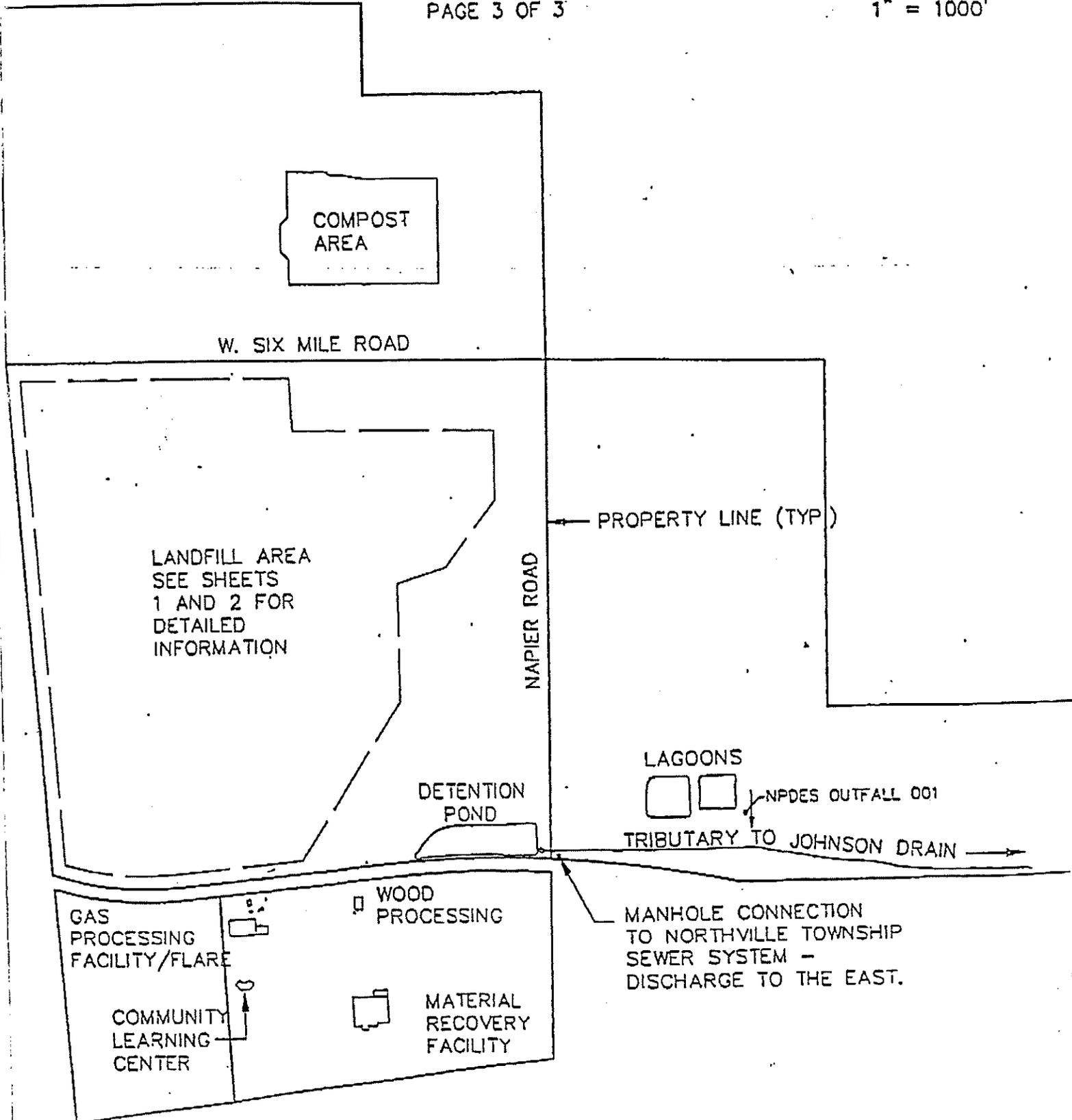
(FOR INFORMATION ONLY - NOT PART OF ARBOR HILLS
WEST EXPANDED SANITARY LANDFILL LICENSE APPLICATION)



ATTACHMENT A

PAGE 3 OF 3

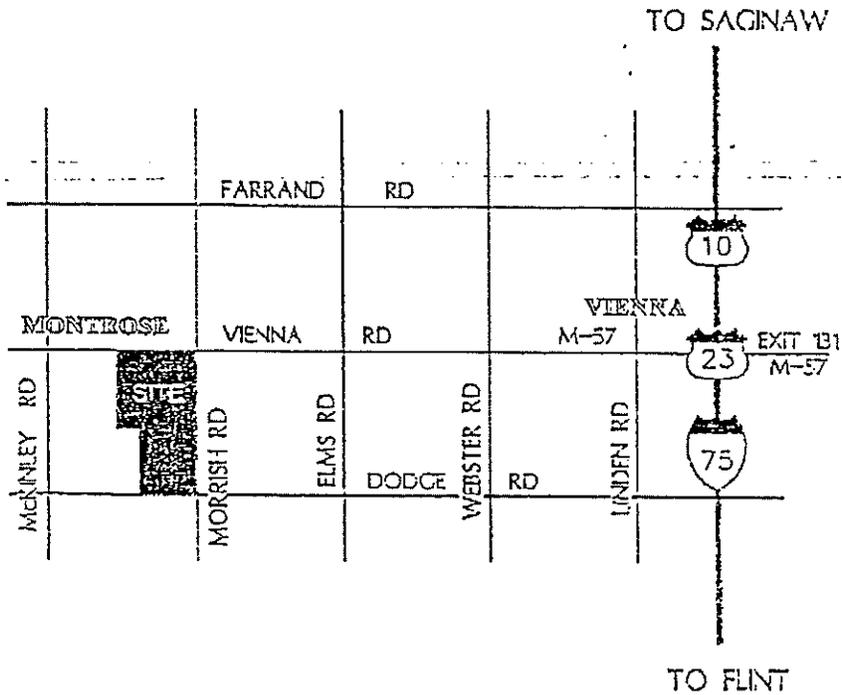
1" = 1000'



BRENT RUN, INC.



NORTH

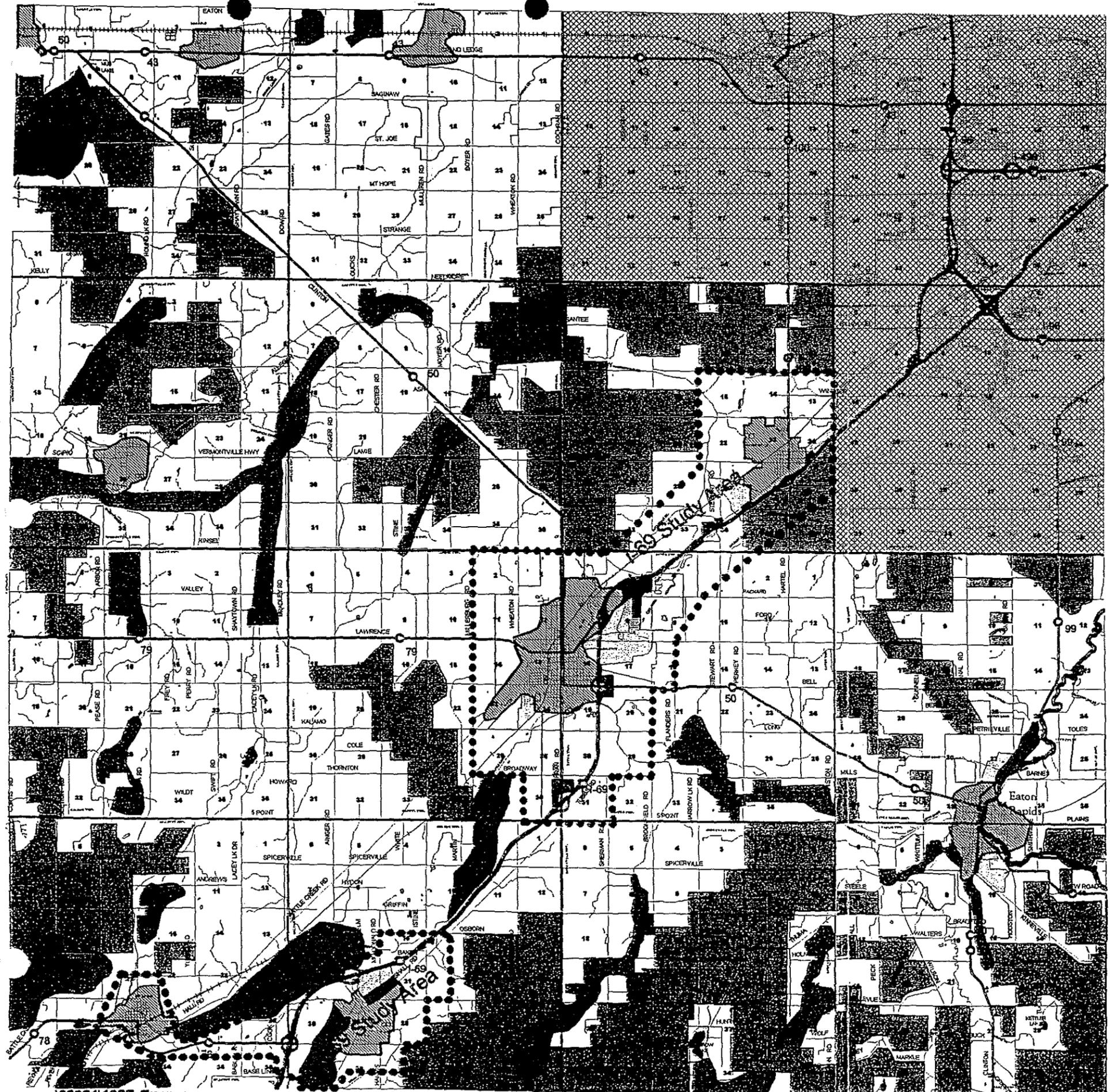


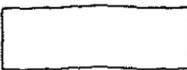
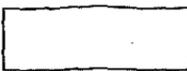
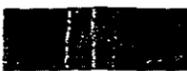
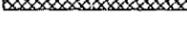
BRENT RUN, INC.
 8247 VIENNA ROAD
 MONTROSE TWP., MI 48451
 PHONE: (810) 639-3328
 FAX: (810) 639-3298



GENESEE COUNTY, MI

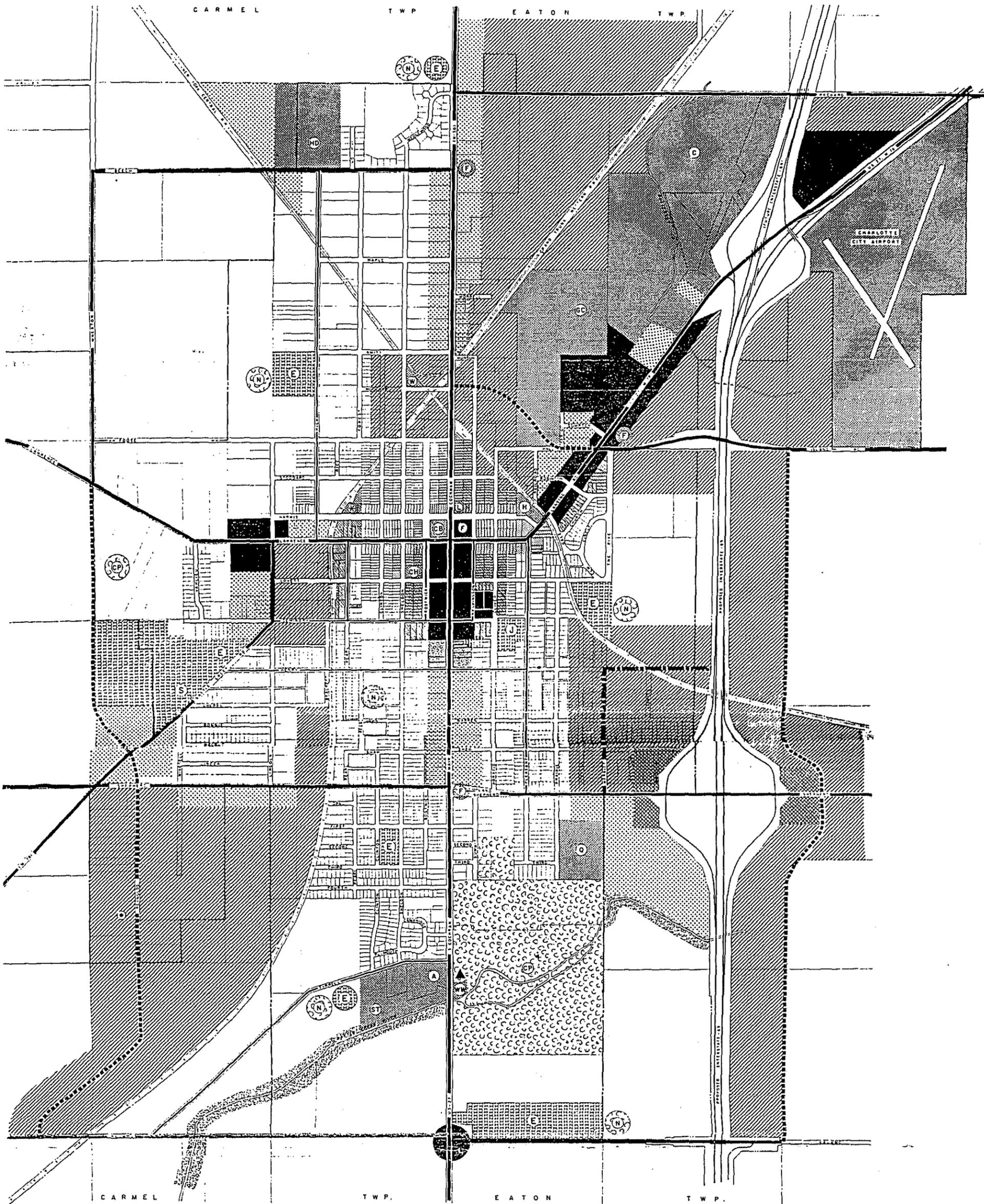
Future Land Use



-  Resource Conservation
24,500 acres
-  Primary Agriculture
73,570 acres
-  Agriculture- Rural Residential
195,050 acres
-  Medium Density Residential
7,832 acres
-  Commercial
965 acres
-  Industrial
1,700 acres
-  Community Center
9,705 acres
-  Area Outside County Planning and Zoning Jurisdiction
-  I-69 Study Area

MAP 13
Eaton County
Future Land Use

Williams & Works, Inc.



- | | | |
|--|---|---|
| <ul style="list-style-type: none"> RESIDENTIAL - LOW & MEDIUM DENSITY MULTIPLE-FAMILY RESIDENTIAL - LOW DENSITY MULTIPLE-FAMILY RESIDENTIAL COMMERCIAL EXPRESSWAY SERVICE OFFICE TRANSITIONAL INDUSTRIAL RECREATION N NEIGHBORHOOD PARK CP CITY PARK PROPOSED PARK OPEN SPACE | <ul style="list-style-type: none"> PUBLIC & QUASI-PUBLIC Q QUASI-PUBLIC (LARGE BLDG) L LIBRARY F FIRE STATION ▲ FIRE TRAINING AREA CH CITY HALL CB COUNTY BUILDING H HOSPITAL ⊙ CITY DPW ⊙ COUNTY DPW A ARMORY ST SEWAGE TREATMENT PLANT WW WATER WELLS HD COUNTY HEALTH DEPARTMENT W WATER DEPARTMENT GC GOLF COURSE C CEMETARY | <ul style="list-style-type: none"> SCHOOLS E ELEMENTARY J JUNIOR HIGH S SENIOR HIGH ⊙ PROPOSED SCHOOLS MAJOR THOROFARE PROPOSED MAJOR THOROFARE SECONDARY THOROFARE PROPOSED INDUSTRIAL COLLECTOR LOCAL STREETS |
|--|---|---|

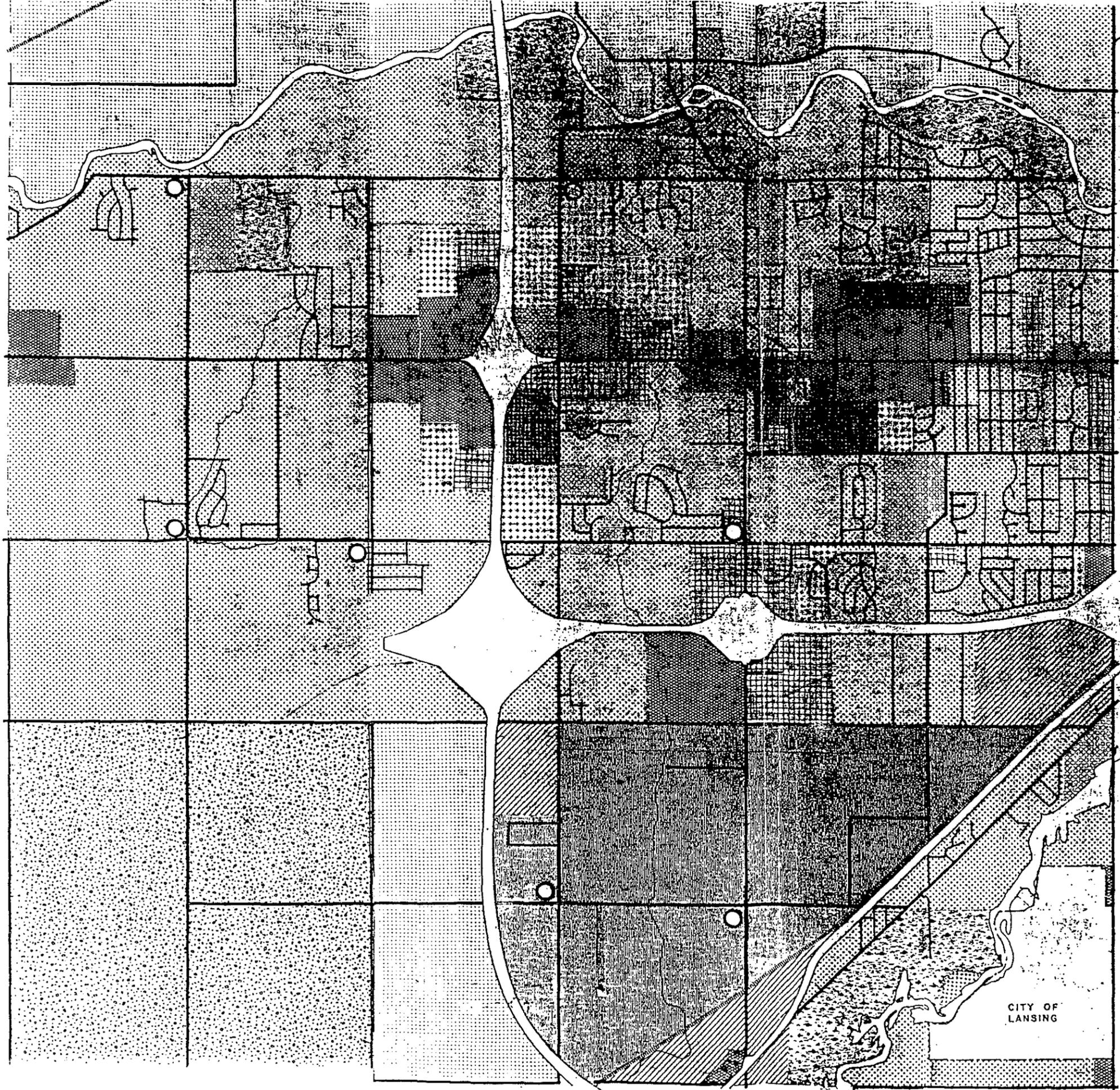


FUTURE LAND USE PLAN

CHARLOTTE MICHIGAN

vilican · leman & assoc. inc.
planning consultants

DELTA TOWNSHIP GENERALIZED FUTURE LAND USE MAP



-  VERY LOW DENSITY RESIDENTIAL
-  LOW DENSITY RESIDENTIAL
-  MEDIUM DENSITY RESIDENTIAL
-  HIGH DENSITY RESIDENTIAL
-  OFFICE DEVELOPMENT
-  RETAIL TRADE
-  LIGHT INDUSTRY & WAREHOUSING
-  HEAVY INDUSTRY
-  COMMUNITY FACILITIES
-  PARKS & OPEN SPACES
-  AGRICULTURAL & NON-URBAN
-  PLANNED NEIGHBORHOOD SHOPPING CENTER

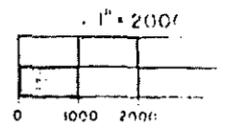
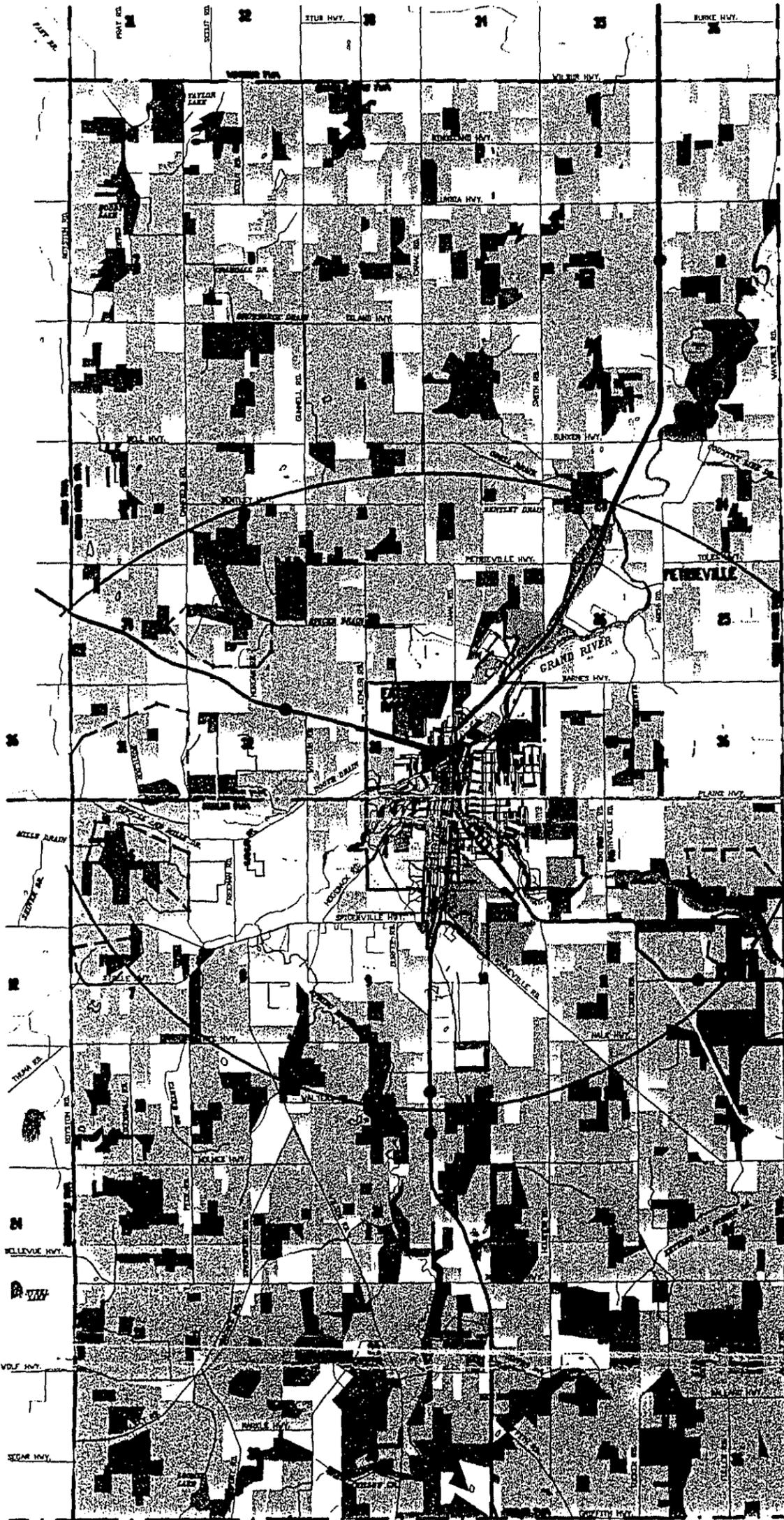


FIGURE LU-1

FUTURE LAND USE FOR EATON RAPIDS PLANNING AREA



N

SCALE: 1" = 2640'

LEGEND FOR TOWNSHIPS

- FOREST AREA
- AGRICULTURAL AREA
- GRAVEL PIT
- RETAIL/COMMERCIAL
- INDUSTRIAL
- MOBILE HOME PARK
- PUBLIC
- CLUSTER/OPEN SPACE RESIDENTIAL-PRIMARY
- NON-AGRICULTURAL OPEN SPACE
- CLUSTER/OPEN SPACE RESIDENTIAL-SECONDARY
- RURAL GROWTH AREA BOUNDARY

LEGEND FOR CITY

- RESIDENTIAL
- MULTI-FAMILY RESIDENTIAL
- MOBILE HOME PARK
- RETAIL/COMMERCIAL
- INDUSTRIAL
- PUBLIC FACILITY
- PARK/RECREATION
- CEMETERY
- MULTI-FAMILY/OFFICE
- PLANNED UNIT DEVELOPMENT



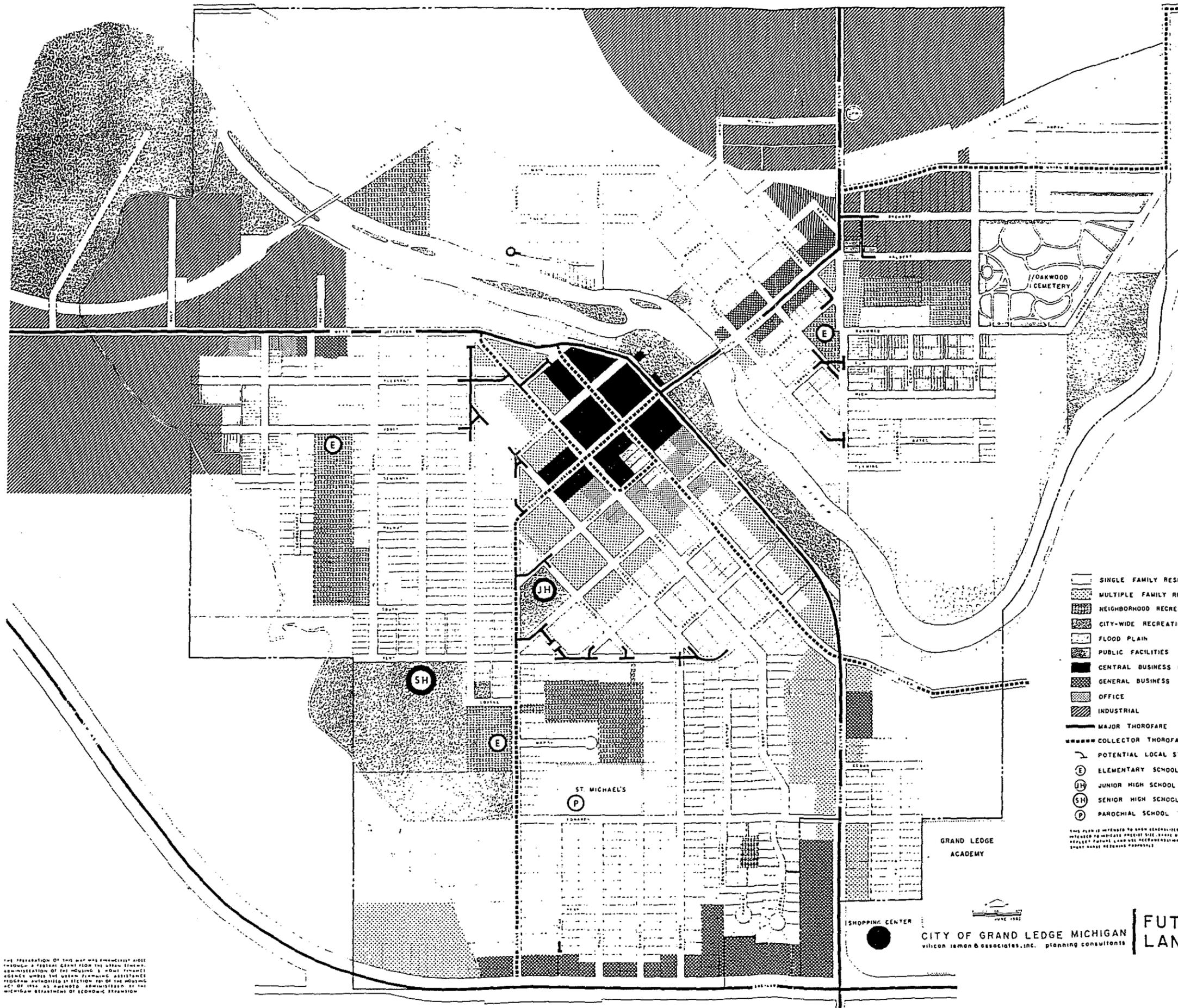
**ARCHITECTS
ENGINEERS
PLANNERS
SURVEYORS**

GOVE ASSOCIATES, INC.
1991 Parkside Street
Kalamazoo, Michigan
(402) 398-0011

SHEET
OF 1

E12131-2





- SINGLE FAMILY RESIDENTIAL
- ▨ MULTIPLE FAMILY RESIDENTIAL
- ▩ NEIGHBORHOOD RECREATION
- ▧ CITY-WIDE RECREATION
- ▤ FLOOD PLAIN
- ▥ PUBLIC FACILITIES
- CENTRAL BUSINESS DISTRICT
- ▦ GENERAL BUSINESS
- ▨ OFFICE
- ▩ INDUSTRIAL
- MAJOR THOROFARE
- ▬ COLLECTOR THOROFARE
- POTENTIAL LOCAL STREET
- ⓔ ELEMENTARY SCHOOL
- ⓙ JUNIOR HIGH SCHOOL
- Ⓢ SENIOR HIGH SCHOOL
- Ⓟ PAROCHIAL SCHOOL

THIS PLAN IS INTENDED TO SHOW GENERALIZED LAND USE ZONES AND IS NOT INTENDED TO INDICATE PRECISE SIZE, SHAPE OR POSITION OF INDIVIDUAL PLOTS OR LOTS. FUTURE LAND USE DEVELOPMENT AND STREET LAYOUTS WILL BE BASED UPON THIS PLAN.


CITY OF GRAND LEDGE MICHIGAN
 silicon isman & associates, inc. planning consultants

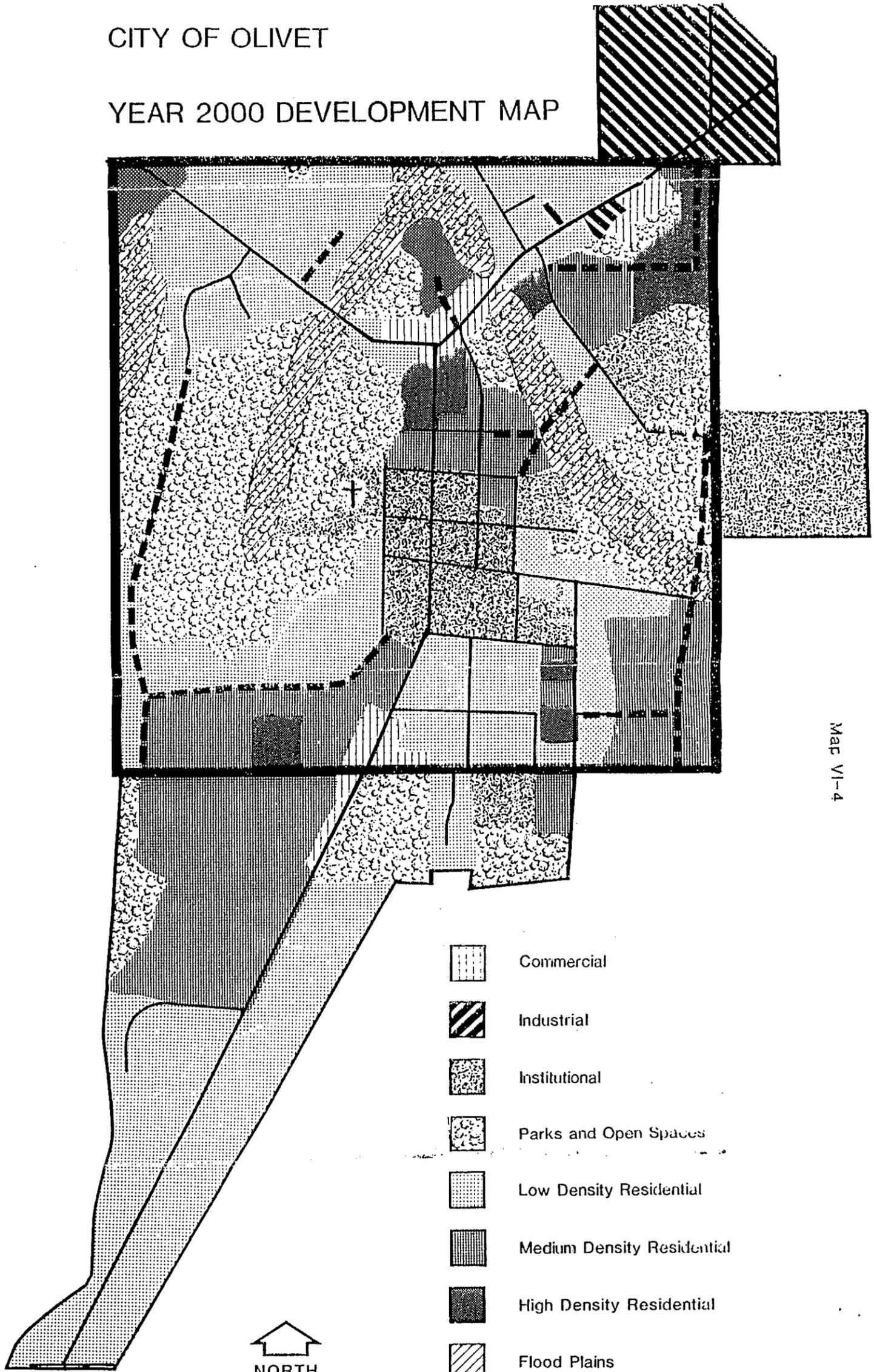
**FUTURE
LAND USE PLAN**

THE PREPARATION OF THIS MAP WAS FINANCIALY ASSISTED THROUGH A FEDERAL GRANT FROM THE URBAN HOUSING ADMINISTRATION OF THE HOUSING & HOME FINANCE AGENCY UNDER THE URBAN PLANNING ASSISTANCE PROGRAM AUTHORIZED BY SECTION 708 OF THE HOUSING ACT OF 1954 AS AMENDED ADMINISTERED BY THE MICHIGAN DEPARTMENT OF ECONOMIC DEVELOPMENT.

CITY OF OLIVET

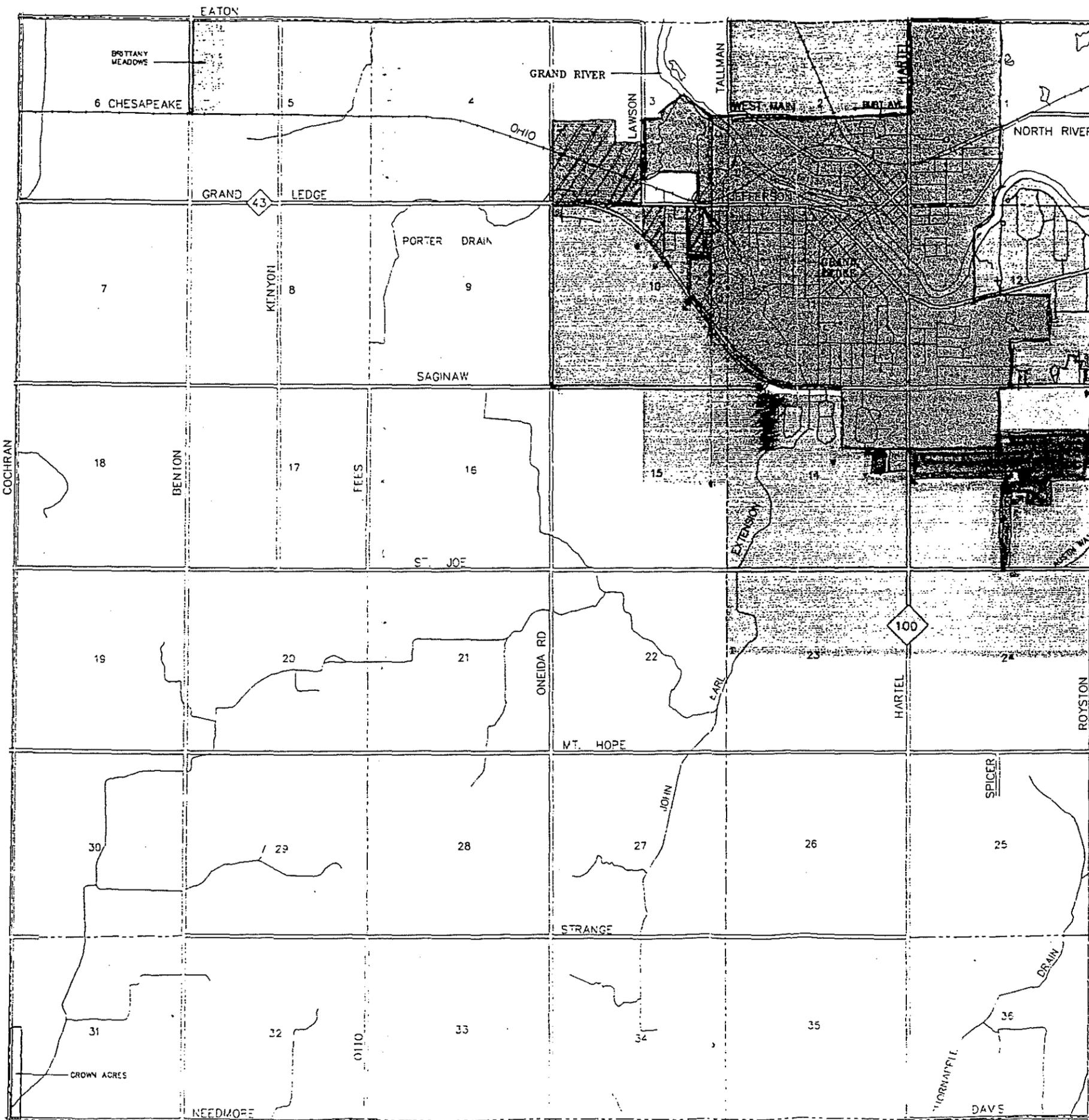
YEAR 2000 DEVELOPMENT MAP

VI-32



Map VI-4

-  Commercial
-  Industrial
-  Institutional
-  Parks and Open Spaces
-  Low Density Residential
-  Medium Density Residential
-  High Density Residential
-  Flood Plains
-  Proposed Street Extensions
-  Proposed Annexation Areas



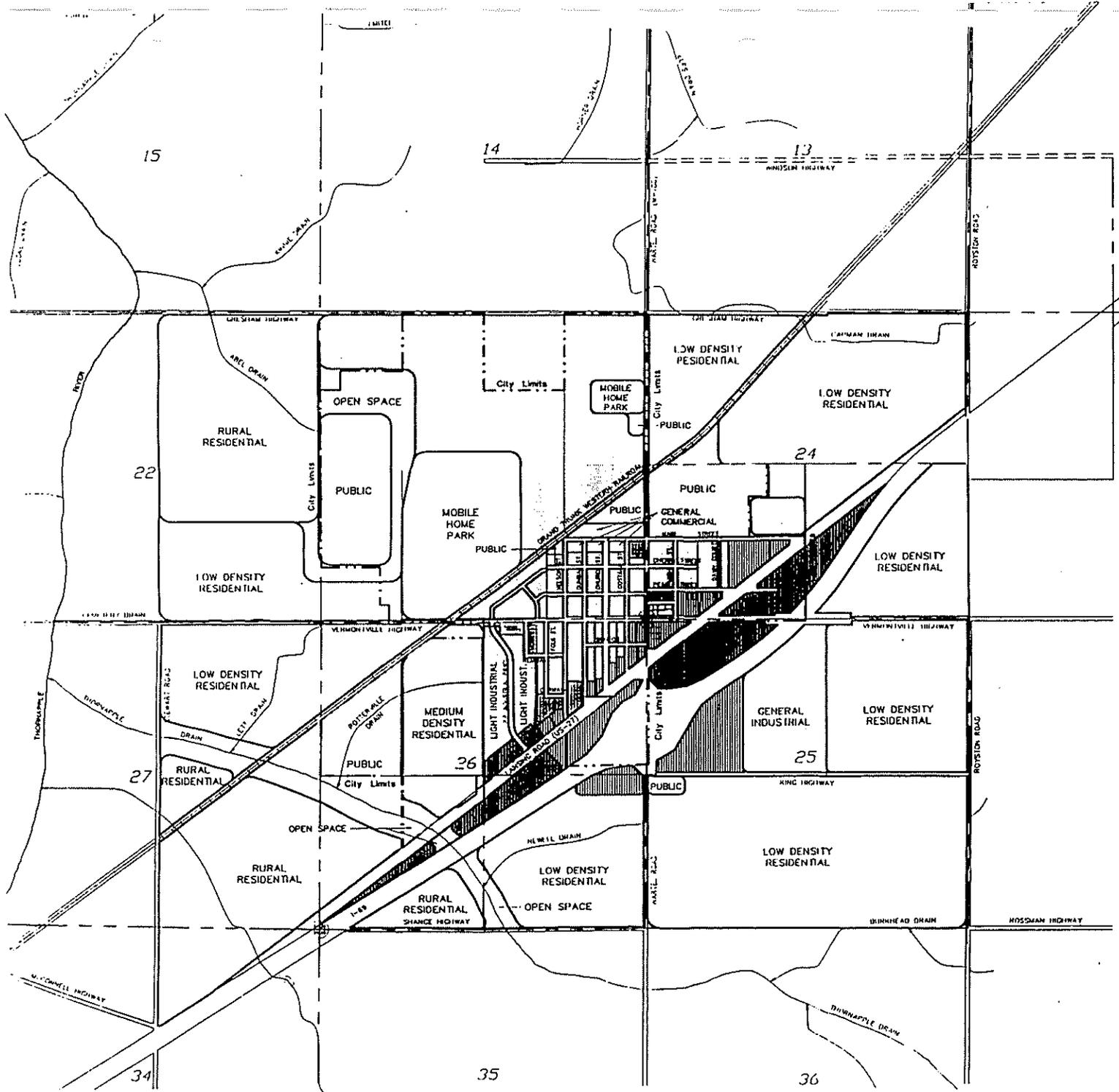
**FUTURE
LAND USE MAP**
Oneida Charter Township



KEY:

-  Single Family Residential
-  Multiple Family Residential
-  Local Business
-  General Business
-  Limited Industrial
-  Heavy Industrial
-  Agricultural
-  City of Grand Ledge





LEGEND

-  MEDIUM DENSITY RESIDENTIAL
-  HIGH DENSITY RESIDENTIAL
-  HIGHWAY COMMERCIAL (LIGHT)
-  HIGHWAY COMMERCIAL (HEAVY)

CITY OF POTTERVILLE
 BENTON TOWNSHIP, EATON COUNTY, MI

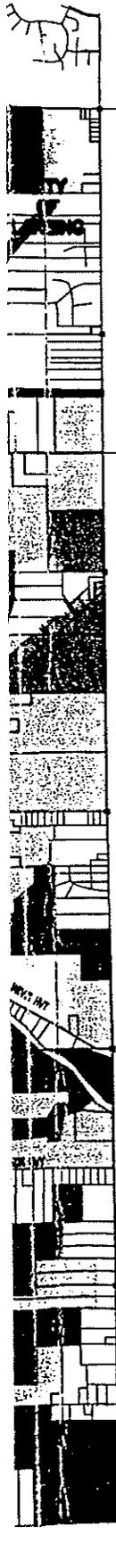
FUTURE LAND USE MAP



SCALE 1" = 800'



FUTURE LAND USE WINDSOR TOWNSHIP EATON COUNTY, MICHIGAN



N



SCALE: 1" = 1320'

LEGEND

- FOREST
- AGRICULTURE
- RESIDENTIAL
- MULTIPLE FAMILY RESIDENTIAL
- MOBILE HOME PARK
- OFFICE
- COMMERCIAL
- INDUSTRIAL
- PUBLIC
- LAKES/PONDS/RIVERS
- WASTEWATER TREATMENT PLANT
- CLUSTER RESIDENTIAL
- SENIOR CITIZEN APARTMENTS
- PARK
- MIXED USE COMMERCIAL
- NON-FORESTED/
NON-AGRICULTURAL
- PROPOSED RESIDENTIAL
SUBDIVISIONS
- TOWN CENTER



ATTACHMENTS

Inter-County Agreements

Copies of Inter-County agreements with other Counties (if any).

ATTACHMENTS

Special Conditions

Special conditions affecting import or export of solid waste.

**STATE OF MICHIGAN
COUNTY OF EATON
EATON COUNTY SOLID WASTE ORDINANCE OF 1993**

AN ORDINANCE TO IMPLEMENT THE EATON COUNTY SOLID WASTE MANAGEMENT PLAN, AS AMENDED, ADOPTED PURSUANT TO 1978 PA 641; TO EXCLUDE MUNICIPALITIES; TO DESIGNATE ADMINISTRATION OF THE ORDINANCE; TO DEFINE CERTAIN TERMS; TO ADOPT LICENSING REQUIREMENTS FOR HAULING SOLID WASTE; TO ADOPT LICENSING FEES AND CONDITIONS FOR HAULER LICENSES; TO ADOPT A COUNTY RECYCLING SURCHARGE; TO PROMULGATE RULES AND REGULATIONS; TO ADOPT PENALTIES AND REMEDIES; TO ADOPT A SEVERABILITY CLAUSE; TO ADOPT AN EFFECTIVE DATE.

The Eaton County Board of Commissioners ordains that:

ARTICLE I
TITLE, PURPOSES, AND LEGAL CLAUSE

Section 1.01 - Title

This ordinance shall be known as the Eaton County Solid Waste Ordinance of 1993, and referred to as the "Ordinance".

Section 1.02 - Purpose

The purpose of this Ordinance is to implement the Eaton County Solid Waste Management Plan, as amended, and as adopted pursuant to Public Act 641 of 1978; to protect and promote the public health, safety, and welfare of the inhabitants of Eaton County by regulating the collection, transportation, delivery, and disposal of solid waste; to establish conditions for issuing waste hauler licenses; to provide residents and businesses an incentive to recycle, thereby reducing the volume of solid waste; to preserve and improve the environment; to promulgate solid waste management rules and regulations; to provide for penalties for violations of the Ordinance; and to establish the county recycling surcharge on solid waste referred to in the Eaton County Solid Waste Management Plan, as amended, and assessed through this Ordinance to be used to support the administration and solid waste alternatives projects and programs in support of the Eaton County Solid Waste Management, as amended.

Section 1.03 - Legal Basis

This Ordinance is enacted pursuant to Section 11 of Michigan Public Act 156 of 1851, Michigan Compiled Law 46.11; Act 641 of 1978 being Michigan Compiled Law 299.401, and the Eaton County Solid Waste Management Plan, as amended.

Section 1.04 - Effect on Local Government Ordinances

The jurisdiction of this Ordinance shall be county-wide, except; any city, village, or township that has previously enacted or subsequently enacts an ordinance which virtually duplicates or fully achieves the purpose of this Ordinance may request the Board of Commissioners to exclude that city, village, or township from the provisions of this Ordinance. Upon request and after receipt of a written recommendation from the Department of Resource Recovery, the Board of Commissioners may, by resolution, exclude a city, village, or township from the provisions of this Ordinance.

Section 1.05 - Excluded Municipalities

The following cities, villages, or townships are excluded from the provisions of this Ordinance at the time of adoption:

Section 1.06 - Administration

The Department of Resource Recovery shall be the agency with overall administrative and coordination responsibility to administer and enforce this Ordinance.

The Designated Implementing Agency shall have oversight responsibility over the Eaton County Department of Resource Recovery.

Section 1.07 - County Recycling Surcharge: Usage of Funds

The county recycling surcharge collected by the licensed waste haulers through a semiannual payment program will be deposited in a segregated fund account for the Department of Resource Recovery to be used exclusively for solid waste alternatives projects and programs in support of the Eaton County Solid Waste Management Plan, as amended.

ARTICLE II

Section 2.01 - Definitions

For purposes of this Ordinance, the words and phrases listed below shall have the following meanings.

- 1) "Act 641" means the Solid Waste Management Act, Act 641 of the Public Acts of Michigan of 1978, as amended, being Michigan Compiled Law 46.11; and the Eaton County Solid Waste Management Plan, as amended.
- 2) "Administrator" means the Solid Waste Coordinator of the Eaton County Department of Resource Recovery.
- 3) "Board" means the Board of Commissioners of Eaton County.
- 4) "Commercial Account" means solid waste originating within the limits of Eaton County (with the exception of those in Section 1.05) such as from residential, wholesale, retail, institutional, or service establishment such as office buildings, stores, markets, theaters, hotels, and warehouses; and any modular house park or mobile home park, which use trash container services of one cubic yard or larger.
- 5) "County" means the County of Eaton, Michigan, acting by and through its County Board of Commissioners.
- 6) "County Recycling Surcharge" means a specific charge per account for residential accounts per month, and per container (loose) cubic yard and per container (compact) cubic yard for commercial accounts or a specific maximum charge per month per commercial account (whichever is less).

Residential account customers who use the "pay-per-bag" service will pay a specific charge on a semiannual basis for January 1 through June 30 and July 1 through December 31. Specific charges are contained in Rule 2.01 of Article II, Rules and Regulations.

- 7) **"Demolition and Construction Debris"** means a type of solid waste consisting of waste building materials and rubble resulting from construction, remodeling, repair, and demolition of houses, commercial buildings, and other structures. Construction and demolition debris includes trees, stumps, and brush removed from property during construction, maintenance, or repair. Construction and demolition waste does not include any of the following, which is defined under this Ordinance as solid waste even if it results from construction, remodeling, repair, and demolition of structures which includes: (a) garbage, (b) furniture, and (c) solid waste resulting from a processing technique that renders individual waste components unrecognizable, such as pulverizing or shredding. It also does not include any of the following which may require special disposal considerations: (a) asbestos waste, (b) drums and containers, (c) fuel tanks, (d) corrugated container board, and (e) appliances.
- 8) **"Department of Resource Recovery"** means the agency with overall administrative and coordination responsibility to administer and enforce this Ordinance.
- 9) **" Designated Implementing Agency (DIA)"** which oversees the implementation of the Eaton County Solid Waste Management Plan, as amended.
- 10) **"Effective Operation Date"** means January 1, 1994 unless otherwise specified in this Ordinance or the Rules and Regulations.
- 11) **"Garbage"** for all purposes of the Ordinance, shall have the same meaning as Solid Waste.
- 12) **"Individual"** means a person who transports solid waste who is not a licensed waste hauler.
- 13) **"Person"** means any individual, firm, public or private corporation, partnership, trust, public or private agency, or any other entity, or any group of such persons.
- 14) **"Premises"** means a parcel of land, including any building or structures, within Eaton County used for residential, commercial, industrial, or institutional purposes either separately or in combination to which a separate street address, postal address or box, tax roll description, or other similar identification has been assigned to or is in use by a person having control of the area.

- 15) "Refuse" for all purposes of the Ordinance, shall have the same meaning as Solid Waste.
- 16) "Residential Account" means any site of waste generation within the limits of Eaton County (with the exception of those in Section 1.05), which uses a customary residential trash container such as trash bags, trash carts, trash cans, or hauler supplied cart of less than one cubic yard.
- 17) "Residential and Commercial Recyclable Material" means newspaper, clear glass bottles or jars, tin or steel cans, and high density polyethylene (HDPE) plastic containers for residential accounts; and old corrugated cardboard and mixed paper for commercial accounts, whichever is applicable as per the customer account.
- 18) "Solid Waste" means all miscellaneous waste materials and matter resulting from household or living conditions, business operations and enterprises; general routine property use and maintenance, and physical construction and installations related to general routine property use including garbage, rubbish, waste materials from industrial business operations, and waste materials from the construction or repair of buildings and structures. It also includes animal waste and all rejected food wastes including every refuse accumulation of animal, fruit, or vegetable matter used or intended for food, or that attends the preparation, use, cooking, dealing in, or storing of meat, fish, fowl, fruit, or vegetables.
- 19) "Special Refuse" means furniture, household appliances, brush, large tree limbs, and other bulky refuse items, with the exception of construction and demolition debris.
- 20) "Volume-Based Fee System" means a fee system, used by a licensed hauler to charge customers for services that meets requirements to establish an incentive for the customer to reduce waste and to recycle as established by the DIA pursuant to the Ordinance.
- 21) "Waste Hauler" means any person primarily engaged in the business of collection, transportation, delivery, or disposal of solid waste within the County other than the refuse generated by the person so hauling.

ARTICLE III
LICENSING OF HAULERS

Section 3.01 - Waste Hauler License

Subject to the penalties in Section 6.02, no waste hauler shall engage in the business of collecting, transporting, delivering or disposing of solid waste generated by another person when the source of the solid waste is within the jurisdiction of this Ordinance without first obtaining a solid waste license.

Section 3.02 - License Application

Any person falling under Section 3.01 shall make written application to the County on forms provided by or prescribed by the County. The application shall require such information as will enable the Administrator to determine whether the applicant, if licensed, will serve the public in compliance with requirements of the Ordinance, and all other applicable laws, statutes, ordinances, rules, and regulations.

Section 3.03 - License Fee

Annual hauler application or renewal licensing fees must be paid by the applicant upon submittal of a license application to the Eaton County Department of Resource Recovery.

- a) Initial Hauler License Application Fee: At the time of the initial application for a hauler license, a non-refundable license fee of \$30.00 for the first vehicle and \$20.00 for each additional vehicle to be used within Eaton County (with the exception of those in Section 1.05) shall be paid to the Eaton County Department of Resource Recovery.
- b) License Renewal Fee: At the time of renewal application for a hauler license, an application fee of \$25.00 for the first vehicle and \$15.00 for each additional vehicle shall be paid to the Eaton County Department of Resource Recovery.

The fee schedule shall continue in full force and effect until amended by the County Board. The County Board may, by resolution, decrease or increase any fee.

Section 3.04 - Approval or Denial of License

Upon receipt of a complete application and upon payment of an applicant licensing fee, the Administrator shall grant or deny the hauler license within forty-five (45) days of receipt by the Administrator. If granted, the Administrator shall issue the license. A conditional license may be issued for a four week period until the actual waste license is issued.

The Administrator may deny the issuance of the license for any of the following reasons:

- a) Failure of the applicant to comply with this Ordinance.

- b) Violations of this Ordinance or any other applicable federal, state, county, and local laws, statutes, rules and regulations, including but not limited to those pertaining to the collection, transporting, delivering, or disposing of solid waste generated within Eaton County.
- c) Prior criminal convictions (other than minor traffic offenses), when such bear on the ability of the applicant to serve the public as a waste hauler in a fair, honest, safe, and lawful manner, or any conviction in connection with solid waste collection, processing, and disposal activities in the last three (3) years by the applicant, its subsidiaries, or its parent company; or prior license revocation(s) by the applicant, its subsidiaries, or its parent company.
- d) Misrepresentations of any material fact in the application for the license.

If the hauler license is denied, the Administrator shall not refund the application license fee. Any waste hauler whose license or conditional license is denied has the right to an appeal hearing before the Board or the DIA, at the Board's designation.

Section 3.05 - License Expiration and Renewal

A license issued under Section 3.04 shall expire on the first day of January of the following year. Licenses may be renewed annually following the same procedures set forth in the Section for license applications upon payment of an annual renewal licensing fee of \$25.00 for the first vehicle and \$15.00 for each additional vehicle, unless revoked in accordance with the terms of the Ordinance.

Section 3.06 - Non-Transferability of Licenses

No license shall be transferable.

Section 3.07 - Exemption to Hauler Licensing Requirement

Persons who, upon request, can verify that they are performing one-time services for neighbors, family or friends, or individuals hauling materials from their own home are exempt from the requirements of this section. The County may require appropriate proof that the solid waste was legally disposed of before an exemption is granted.

ARTICLE IV **CONDITIONS OF HAULER LICENSE**

Section 4.01 - General License Conditions

It shall be a condition of each waste hauler license that the hauler shall comply with all the following:

- a) All provisions of this Ordinance, and the Rules and Regulations promulgated under the authority of this Ordinance.

- b) All applicable federal, state, county, and local laws, statutes, rules and regulations, including but not limited to those pertaining to the collecting, transporting, delivering, or disposing of solid waste generated within Eaton County.
- c) All applicable provisions of the Eaton County Solid Waste Management Plan, as amended, as required under Act 641 and any agreements regarding inter-county transport of solid waste authorized or restricted through the plan.
- d) After the effective operation date, it shall be unlawful for any waste hauler to operate within the jurisdiction of this Ordinance without having first obtained a license as required by this Ordinance.

Section 4.02 - Specific License Conditions

As a condition of a hauler license issued pursuant to this Ordinance, the licensee shall agree to:

- a) File with the Administrator by the first day of October annually each of the following:
 - 1) A description of the number and types of equipment the applicant will use, the types of collection services to be provided, and the geographic areas served by the licensee for handling solid waste within the County.
 - 2) A plan for meeting all collection and disposal requirements outlined in this Ordinance and in other local, state, and federal regulations as appropriate.
 - 3) Provide proof of minimum liability insurance as follows:

Commercial General Liability (including contractual liability, independent contractors' coverage, and broad form general liability extensions)

Personal/Bodily Injury: \$1,000,000 each person
 \$3,000,000 each accident

Property Damage: \$1,000,000 each accident
 \$3,000,000 each aggregate

Motor Vehicle Liability (including hired cars and auto non-ownership)

Bodily Injury: \$1,000,000 each person
 \$3,000,000 each occurrence

Property Damage: \$1,000,000 each accident
\$3,000,000 each aggregate

Further, the licensee shall name Eaton County as an additional insured and indemnify Eaton County and its employees and any local municipalities and their employees within the County in which the licensee does business.

Further, the insurance policy shall include an endorsement stating that it is understood and agreed by the licensee and its insurance company that thirty (30) days advance written notice of cancellation, non-renewal, reduction, and/or material change shall be sent to the DIA.

- 4) A schedule of basic rates for collection of solid waste, a description of recycling services to be provided to customers, and the fees charged for those services.
-
- b) File semiannual reports with the Administrator by the fifteenth day of January and July of each year containing the operations information from the previous full six month period. This information shall include the quantities (in cubic yards loose or compact) of solid waste, including demolition and construction debris, and special refuse collected by the licensee within the jurisdiction of this Ordinance from commercial accounts. It shall also include either the names or addresses, or the number of accounts for all Eaton County commercial and residential accounts. The report shall also indicate where the waste was landfilled. Waste haulers shall retain billing and dumping receipts for a minimum of six months at a time. The report shall also indicate the amounts (cubic yards or tonnage) of recyclables collected by the licensed hauler.
 - c) Collection of County Recycling Surcharge on Solid Waste by Licensed Waste Haulers - Effective Operation Date: Waste haulers shall collect the county recycling surcharge fee from its commercial and residential accounts. Waste haulers will pay the Eaton County Department of Resource Recovery the county recycling surcharge collected from its commercial and residential accounts within the jurisdiction of this Ordinance. The payment shall be due within fifteen (15) days after the end of June 30 and within fifteen (15) days after December 31 of the calendar year thereafter.
 - d) The Eaton County Department of Resource Recovery shall have the right, at its own cost, from time to time at reasonable times, to hire an independent auditory company to cause an audit to be made of waste haulers' records for the purpose of verifying the accuracy of county recycling surcharge payments made by the waste hauler. The Eaton County Department of Resource Recovery, through the independent auditor's audit, shall not record or abstract any information concerning

waste haulers' operations not necessary for that determination. In deciding confidentiality and public disclosure issues regarding reports of suspected violations of this Ordinance, or regarding data discovered during an audit, the County shall be governed by Section 13 (1)(b) of 1976 Public Act 442, as amended, being Michigan Compiled Law 15.243 (1)(b). Any payment required as the result of such audit shall be refunded to the waste hauler or paid to the Eaton County Department of Resource Recovery, as the case may be, within thirty (30) days of completion of the audit.

- e) Notify the Administrator in writing thirty (30) days prior to any substantive change in the information filed under Subsection (a) above.
- f) Establish any fee for service as a volume-based fee system, which includes a schedule of fee increases tied to the volume of solid waste that the customer places out for collection. An acceptable volume-based fee system under this Ordinance as authorized in Article III, Section 3.01 is defined in Article I, Rule 1.01, of the Rules and Regulations.
- g) Residential and Commercial Account Recycling Service: Provide directly or through subcontract at a minimum, regularly scheduled pickup services for residential or commercial recyclable material at a degree of customer convenience and frequency equal to the solid waste collection services provided to the customer by the licensee.

ARTICLE V RULES AND REGULATIONS

Section 5.01 - Promulgation of Rules and Regulations

The County Board will adopt the Rules and Regulations drafted by the DIA to carry out the provisions of this Ordinance including those pertaining to the establishment, administration, and enforcement of hauler licensing requirements and service specifications.

The Rules and Regulations may be amended from time to time by the County Board.

ARTICLE VI MISCELLANEOUS

Section 6.01 - Revocation of Hauler License

The Administrator shall have the right to revoke the hauler license for violations of provisions of this Ordinance. Hauler licenses could also be revoked when serious violation of the Rules and Regulations (including those of any city, township, or village) are identified on a repeated basis.

Prior to such action, the Administrator shall mail to the licensed hauler, via certified mail, a notice of the violations which would serve as the basis to revoke the license and provide the applicant with an opportunity for an administrative appeal hearing before the DIA. The DIA shall make a final determination.

Prior revocation of a waste hauler license may be grounds for refusal by the Administrator to certify any future application by such licensee.

Section 6.02 - Penalties & Remedies

A person violating the provisions of this Ordinance or the Rules and Regulations shall be guilty of a misdemeanor punishable by a fine of up to \$500.00, or imprisonment not to exceed ninety days, or both, and shall be responsible for the cost of prosecution. Each day that a violation occurs or continues shall be deemed a separate offense.

Any criminal penalties will not preclude the commencement of civil proceedings to enforce this Ordinance or abate the violation.

Section 6.03 - Severability

Sections of the Ordinance shall be deemed severable and should any section, clause, or provision of this Ordinance be declared to be invalid, it shall not affect the validity of the Ordinance as a whole or any part thereof other than the part so declared to be invalid.

Section 6.04 - Effective Date

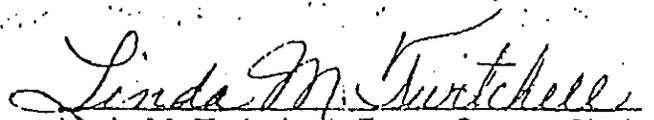
This Ordinance shall become effective immediately upon publication in a newspaper of general circulation in Eaton County.

Passed and adopted by the Eaton County Board of Commissioners, Eaton County, Michigan on the 20th day of October, 1993, and approved by me on the 20th day of October, 1993, after the following roll call vote:

11 Aye

4 Nay

0 Absent/Abstain


Linda-M. Twitchell, Eaton County Clerk

**Amendment
to the
EATON COUNTY SOLID WASTE ORDINANCE OF 1993**

Article IV, Section 4.02, a, 3, which reads as follows:

3) *Provide proof of minimum liability insurance as follows:*

Commercial General Liability (including contractual liability, independent contractors' coverage, and broad form general liability extensions)

*Personal/Bodily Injury: \$1,000,000 each person
\$3,000,000 each accident*

*Property Damage: \$1,000,000 each accident
\$3,000,000 each aggregate*

Motor Vehicle Liability (including hired cars and auto non-ownership)

*Bodily Injury: \$1,000,000 each person
\$3,000,000 each occurrence*

*Property Damage: \$1,000,000 each accident
\$3,000,000 each aggregate*

Further, the licensee shall name Eaton County as an additional insured and indemnify Eaton County and its employees and any local municipalities and their employees within the County in which the licensee does business.

Further, the insurance policy shall include an endorsement stating that it is understood and agreed by the licensee and its insurance company that thirty (30) days advance written notice of cancellation, non-renewal, reduction, and/or material change shall be sent to the DIA.

be amended as follows:

3) *Provide proof of minimum liability insurance as follows:*

Commercial General Liability (including contractual liability, independent contractors' coverage, and broad form general liability extensions)

(2)

*Personal/Bodily Injury: \$500,000 each person
\$500,000 each accident*

*Property Damage: \$500,000 each accident
\$500,000 each aggregate*

Motor Vehicle Liability (including hired cars and auto non-ownership)

*Bodily Injury: \$500,000 each person
\$500,000 each occurrence*

*Property Damage: \$500,000 each accident
\$500,000 each aggregate*

Further, the licensee shall name Eaton County as an additional insured and indemnify Eaton County and its employees and any local municipalities and their employees within the County in which the licensee does business.

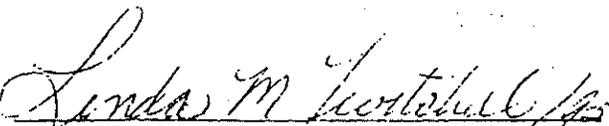
Further, the insurance policy shall include an endorsement stating that it is understood and agreed by the licensee and its insurance company that thirty (30) days advance written notice of cancellation, non-renewal, reduction, and/or material change shall be sent to the DIA.

Passed and adopted by the Eaton County Board of Commissioners, Eaton County, Michigan, on the 3rd. day of January, 1994, and approved by me on the 3rd. day of January, 1994, after the following roll call vote:

14 Aye

0 Nay

1 Absent/Abstain


Linda M. Twitchell, Eaton County Clerk

EATON COUNTY BOARD OF COMMISSIONERS
JANUARY 18, 1995

Amendment
to the
EATON COUNTY SOLID WASTE ORDINANCE OF 1993

Article III, Section 3.03 which reads as follows:

Annual hauler application or renewal licensing fees must be paid by the applicant upon submittal of a license application to the Eaton County Department of Resource Recovery.

- a) Initial Hauler License Application Fee: At the time of the initial application for a hauler license a non-refundable licensee fee of \$30.00 for the first vehicle and \$20.00 for each additional vehicle, to be used within Eaton County (with the exception of those in Section 1.05), shall be paid to the Eaton County Department of Resource Recovery.
- b) License Renewal Fee: At the time of renewal application for a hauler license an application fee of \$25.00 for the first vehicle and \$15.00 for each additional vehicle shall be paid to the Eaton County Department of Resource Recovery.

To be amended as follows:

Annual hauler application or renewal licensing fees must be paid by the applicant upon submittal of a license application to the Eaton County Department of Resource Recovery.

Hauler License Fee: At the time of the application for a hauler license, a non-refundable license fee of \$15.00 for each vehicle, to be used within Eaton County (with the exception of those in Section 1.05), shall be paid to the Eaton County Department of Resource Recovery.

Passed and adopted by the Eaton County Board of Commissioners, Eaton County, Michigan, on the 18th. day of January, 1995, and approved by me on the 18th. day of January, 1995, after the following roll call vote:

15 Aye

- Nay

 Absent/Abstain


Linda M. Twitchell

Eaton County Clerk

EATON COUNTY BOARD OF COMMISSIONERS

OCTOBER 19, 1994

Commissioner Brehler moved the adoption of the following amendment, seconded by Commissioner Johnson

**Amendment
to the
EATON COUNTY SOLID WASTE ORDINANCE OF 1993**

Article IV, Section 4.02, a, 3, which reads as follows:

3) *Provide proof of minimum liability insurance as follows:*

Commercial General Liability (including contractual liability, independent contractors' coverage, and broad form general liability extensions)

*Personal/Bodily Injury: \$500,000 each person
\$500,000 each accident*

*Property Damage: \$500,000 each accident
\$500,000 each aggregate*

Motor Vehicle Liability (including hired cars and auto non-ownership)

*Bodily Injury: \$500,000 each person
\$500,000 each occurrence*

*Property Damage: \$500,000 each accident
\$500,000 each aggregate*

Further, the licensee shall name Eaton County as an additional insured and indemnify Eaton County and its employees and any local municipalities and their employees within the County in which the licensee does business.

Further, the insurance policy shall include an endorsement stating that it is understood and agreed by the licensee and its insurance company that thirty (30) days advance written notice of cancellation, non-renewal, reduction, and/or material change shall be sent to the DIA.

To be amended as follows:

3) *Provide proof of minimum liability insurance as follows:*

Motor Vehicle Liability (including hired cars and auto non-ownership)

*Bodily Injury: \$500,000 each person
\$500,000 each occurrence*

Property Damage: \$500,000 each accident
\$500,000 each aggregate

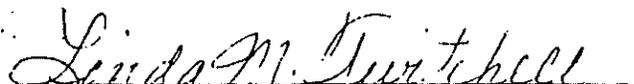
Further, the licensee shall name Eaton County as an additional insured and indemnify Eaton County and its employees and any local municipalities and their employees within the County in which the licensee does business.

Further, the insurance policy shall include an endorsement stating that it is understood and agreed by the licensee and its insurance company that thirty (30) days advance written notice of cancellation, non-renewal, reduction, and/or material change shall be sent to the DIA.

Carried.

Passed and adopted by the Eaton County Board of Commissioners, Eaton County, Michigan, on the 19th day of October, 1994, and approved by me on the 19th day of October, 1994, after the following roll call vote:

15 Aye
0 Nay
0 Absent/Abstain


Linda M. Twitchell, Eaton County Clerk

ECSWAP2\AMEROMEN.2\10/10/94

COUNTY OF EATON)
STATE OF MICHIGAN) SS

I, Linda M. Twitchell, Clerk of the Circuit Court for said County of Eaton, Do hereby certify that the foregoing is a true copy of a record now remaining in the office of the Clerk of said County and Court.

In Testimony Whereof, I have hereunto set my hand, and affixed the seal of said Court and County, at the City of Charlotte, this 24th day of Oct A.D. 1994

By M. Frances Fuller Dep. Clerk

**EATON COUNTY
SOLID WASTE ORDINANCE
OF 1993**

Rules & Regulations

RULES & REGULATIONS FOR EATON COUNTY SOLID WASTE ORDINANCE OF 1993

THE PURPOSE OF THIS ORDINANCE IS TO IMPLEMENT THE EATON COUNTY SOLID WASTE MANAGEMENT PLAN, AS AMENDED, AND AS ADOPTED PURSUANT TO PUBLIC ACT 641 OF 1978; TO PROTECT AND PROMOTE THE PUBLIC HEALTH, SAFETY, AND WELFARE OF THE INHABITANTS OF EATON COUNTY BY REGULATING THE COLLECTION, TRANSPORTATION, DELIVERY, AND DISPOSAL OF SOLID WASTE; TO ESTABLISH CONDITIONS FOR ISSUING WASTE HAULER LICENSES; TO PROVIDE RESIDENTS AND BUSINESSES AN INCENTIVE TO RECYCLE, THEREBY REDUCING THE VOLUME OF SOLID WASTE; TO PRESERVE AND IMPROVE THE ENVIRONMENT; TO PROMULGATE SOLID WASTE MANAGEMENT RULES AND REGULATIONS; TO PROVIDE FOR PENALTIES FOR VIOLATIONS OF THE ORDINANCE; AND TO ESTABLISH THE COUNTY RECYCLING SURCHARGE ON SOLID WASTE REFERRED TO IN THE EATON COUNTY SOLID WASTE MANAGEMENT PLAN, AS AMENDED, AND ASSESSED THROUGH THIS ORDINANCE TO BE USED TO SUPPORT THE ADMINISTRATION AND SOLID WASTE ALTERNATIVES PROJECTS AND PROGRAMS IN SUPPORT OF THE EATON COUNTY SOLID WASTE MANAGEMENT PLAN, AS AMENDED.

Article I: Fees, Rates, and Charges for Collection Services
Article II: County Recycling Surcharge: Collection
Article III: Enforcement

THE EATON COUNTY BOARD OF COMMISSIONERS PROMULGATES THE FOLLOWING RULES AND REGULATIONS FOR THE EATON COUNTY SOLID WASTE ORDINANCE OF 1993:

ARTICLE I
FEES, RATES, & CHARGES FOR COLLECTION SERVICES

Rule 1.01 - Fees for Service Charged by Licensed Haulers

All fees for services charged by licensed haulers for solid waste collection services must be volume based. The Administrator shall review the proposed structure of a licensed hauler's fee system at the time of license application to insure it meets these requirements. Haulers can use a collection rate structure option for charging fees to their customers.

An acceptable volume based fee for service system may include the following:

- a) Per bag - Customer pays for waste collection services on a per bag basis. Recycling services would be available for an additional charge.
- b) Full service - Customer pays a fixed monthly fee with a volume limited to the carts and/or bags provided by haulers or a limit of a specified number of bags if a cart is not used. Additional volume of solid waste would require additional charges.

ARTICLE II

Rule 2.01 - County Recycling Surcharge: Collection

The county recycling surcharge will be \$.60 per account for residential accounts per month, and \$.30 per container (loose) cubic yard and \$.90 per container (compact) cubic yard for solid waste for commercial accounts or a maximum of \$20.00 per month per commercial account (whichever is less). Residential account customers who use the "pay-per-bag" service will pay \$3.60 on a semiannual basis for January 1 through June 30 and July 1 through December 31.

All licensed waste haulers shall collect the county recycling surcharge from their residential and commercial account customers, and identify the respective residential or commercial surcharge on customers' bills as a separate line item.

ARTICLE III
ENFORCEMENT

Rule 3.01 - Enforcement

The Administrator, under the direction of the DIA, shall enforce the provisions of the Ordinance.

- a) Within ten days of receipt of a signed, written complaint alleging a violation of this Ordinance, the Administrator shall begin an investigation. The Administrator shall also have the authority to stop any vehicle, for a reasonable period of time, for purposes of inspection for compliance with this Ordinance.
- b) If the Administrator determines that there is a probable cause to believe that a violation exists, the Administrator shall:
 - 1) Issue and serve an appearance Ticket upon the person or entity responsible; or
 - 2) Present all evidence to the appropriate legal authority for the purpose of seeking either a criminal warrant or civil action against the person and/or entity responsible for the violation; or
 - 3) Report the alleged violation to the DIA for investigation and review. If the DIA review process is implemented, the Administrator shall give notice to the alleged violator by certified mail. The notice shall specify the location and the nature of the violation and shall indicate that the owner, operator, or person otherwise responsible is required to abate the violations within 30 calendar days of receipt of the notice. If a violation is not corrected in that time period, the DIA shall notify the violator, in writing, of the time and place of a hearing to be held before the DIA on the conditions causing the notice of violation. At the hearing the person to whom the notice is addressed shall have the opportunity to show cause why said violation should not be ordered to be corrected.

The DIA may take testimony of the alleged violator and any other interested party or witness. The DIA may extend the time by which the violations must be corrected.

If the alleged violator fails to appear, or neglects to correct the violation within the time period specified by the DIA, the DIA shall prepare a report of its findings for the County Prosecutor or civil counsel recommending that appropriate action be taken. The County Prosecutor or civil counsel may then initiate appropriate proceedings.

RESOLUTION #385
BY THE PUBLIC SERVICES COMMITTEE
RESOLVED BY THE CITY COUNCIL OF THE CITY OF LANSING

WHEREAS, EATON COUNTY IS CHARGED BY PUBLIC ACT 451, PART 115, AS AMENDED, TO PERIODICALLY UPDATE ITS SOLID WASTE MANAGEMENT PLAN; AND,

WHEREAS, THE SOLID WASTE MANAGEMENT PLANNING COMMITTEE HAS DEVELOPED A SOLID WASTE MANAGEMENT PLAN FULFILLING ALL STATUTORY REQUIREMENTS ENUMERATED IN PART 115; AND,

WHEREAS, THE GENERAL PUBLIC HAS HAD THE OPPORTUNITY TO REVIEW AND COMMENT ON THE SOLID WASTE MANAGEMENT PLAN FOR A PERIOD OF 90 DAYS; AND,

WHEREAS, THE EATON COUNTY BOARD OF COMMISSIONERS HAS APPROVED THE SOLID WASTE MANAGEMENT PLAN, AS AMENDED; AND,

WHEREAS, PART 115 REQUIRES 67% MUNICIPAL APPROVAL FOR A SOLID WASTE MANAGEMENT PLAN TO OBTAIN APPROVAL BY THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY;

NOW, THEREFORE, BE IT RESOLVED, THAT THE CITY COUNCIL OF THE CITY OF LANSING HEREBY OFFICIALLY APPROVES THE EATON COUNTY SOLID WASTE MANAGEMENT PLAN.

BE IT FURTHER RESOLVED THAT THE CITY CLERK SHALL FORWARD A COPY OF THIS RESOLUTION TO THE EATON COUNTY DEPARTMENT OF RESOURCE RECOVERY, 1045 INDEPENDENCE BLVD., CHARLOTTE, MI 48813.

BY COUNCILMEMBER BEAL

CARRIED UNANIMOUSLY

Fax

Name: MARK HILL
Organization: EATON COUNTY RESOURCES RECOVERY DEPARTMENT
Fax: 543-7377
Phone: 543-7500
From: DEBBIE MINER, LANSING CITY CLERK'S OFFICE
Date: AUGUST 27, 1999
Subject: Lansing City Council Approval of Eaton County Solid Waste Management Plan
Pages: 2

COMMENTS: I HAVE BEEN DIRECTED BY THE LANSING CITY COUNCIL TO PROVIDE YOU WITH A COPY OF THE ATTACHED, ABOVE REFERENCED RESOLUTION, ADOPTED BY THE LANSING CITY COUNCIL AT THEIR REGULAR MEETING HELD ON MONDAY, AUGUST 23, 1999. IF YOU HAVE ANY QUESTIONS RELATIVE TO THE ADOPTION OF THE RESOLUTION, PLEASE CONTACT ME AT 483-4131.

From the desk of...

Debbie Miner
Deputy City Clerk
City of Lansing
124 W. Michigan Ave.
Lansing, MI 48933

(517) 483-4131
Fax: (517) 377-0068

AUG2399.RES

CITY OF GRAND LEDGE

**RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN**

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

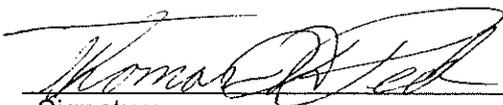
WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that the CITY OF GRAND LEDGE officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: Fine, Willems, Wyszynski, Briggs, Baribeau, Smith, Peck
NAYS: - 0 -
ABSENT: -
ABSTENTIONS: -

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of the CITY OF GRAND LEDGE held on 7-26-99, a quorum being present.


Signature

7-26-99
Date

RECEIVED

CARMEL TOWNSHIP

AUG 23 1999

RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN

Waste Management
Division

WHEREAS, Eaton County is charged by Public Act 451, Part 115, as amended, to periodically update its Solid Waste Management Plan; and,

WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

WHEREAS, the general public has had the opportunity to review and comment on the Solid Waste Management Plan for a period of 90 days; and,

WHEREAS, the Eaton County Board of Commissioners has approved the Solid Waste Management Plan, as amended; and,

WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that CARMEL TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: five

NAYS: zero

ABSENT: _____

ABSTENTIONS: _____

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of CARMEL TOWNSHIP held on Aug. 12, 1999, a quorum being present.

Maureen Gagner
Signature

August 12, 1999
Date

CARMEL TOWNSHIP

**RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN**

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WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that CARMEL TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: five

NAYS: zero

ABSENT: _____

ABSTENTIONS: _____

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of CARMEL TOWNSHIP held on Aug. 12, 1999, a quorum being present.

Maureen Gaymer
Signature

August 12, 1999
Date

RECEIVED

CARMEL TOWNSHIP

AUG 23 1999

RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN

Waste Management
Division

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WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that CARMEL TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES: five

NAYS: zero

ABSENT: _____

ABSTENTIONS: _____

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of CARMEL TOWNSHIP held on Aug. 12, 1999, a quorum being present.

Maureen Spitzer
Signature

August 12, 1999
Date

CARMEL TOWNSHIP

**RESOLUTION OF APPROVAL
EATON COUNTY SOLID WASTE MANAGEMENT PLAN**

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WHEREAS, the Solid Waste Management Planning Committee has developed a Solid Waste Management Plan fulfilling all statutory requirements enumerated in Part 115; and,

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WHEREAS, Part 115 requires 67% municipal approval for a Solid Waste Management Plan to obtain approval by the Michigan Department of Environmental Quality;

NOW, THEREFORE, BE IT RESOLVED, that CARMEL TOWNSHIP officially approves the Solid Waste Management Plan and endorses this resolution.

AYES:

five

NAYS:

zero

ABSENT:

ABSTENTIONS:

I, hereby certify that the foregoing Resolution was adopted at a regular meeting of CARMEL TOWNSHIP held on Aug. 12, 1999, a quorum being present.

Maureen Gaymer
Signature

August 12, 1999
Date