Armada Township

Recreation Master Plan 2013

Adopted

January 9, 2013

Section 1.0
Introduction

INTRODUCTION

Program Description

In recent years, there has been a continuing decline in the amount of leisure time available to many people. One consequence of this trend is an increasing demand for recreation-related facilities and services. This demand is evident in both the public and private sectors.

While the demand for parks and opens space is largely universal, specific recreation needs vary from location to location. Local conditions and preferences, therefore, need to be closely examined to accurately determine how identified needs can be met. To an increasing degree, recreation programs have become more specialized in response to the diverse interests of the population as a whole.

Another equally compelling reason for recreation needs involves quality of life and the impact that open space has on improving a community's quality of life. All too often, opportunities for providing open space and recreation sites are lost as a direct consequence of the urbanization process. As land becomes more valuable for homes and businesses, it becomes more expensive to purchase for recreation purposes. More specific reasons for preparing a Recreation Plan include the following:

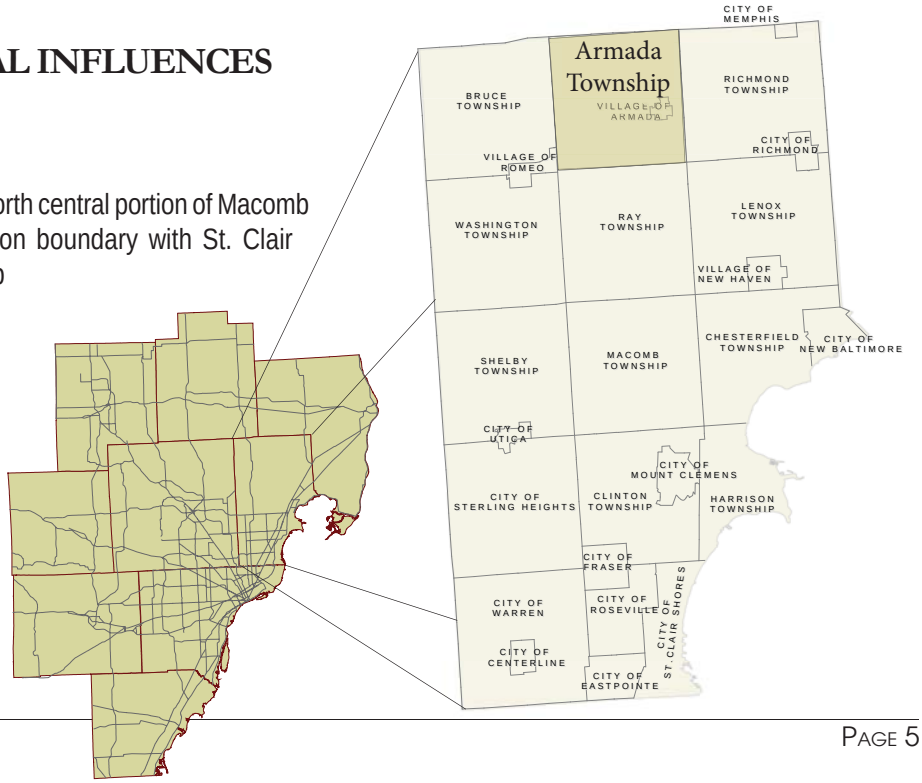
- To update previously prepared Plans or related studies relating to the availability and delivery of recreation facilities and programs within the Township. Periodic updates are necessary to ensure that existing and proposed programs and facilities are adequate in light of changes that have occurred relative to the community's population base and its recreation needs.
- To identify short and long-term recreation needs within a community and develop a series of recommendations to address these needs.
- To prepare a capital improvement program with specific recreation improvements and a preferential order in their implementation.
- To qualify the Township to participate in recreation funding programs available through the State and Federal government. One prerequisite to obtaining matching grant funds is to have a current Recreation Plan on file with the Michigan Department of Natural Resources.

LOCAL AND REGIONAL INFLUENCES

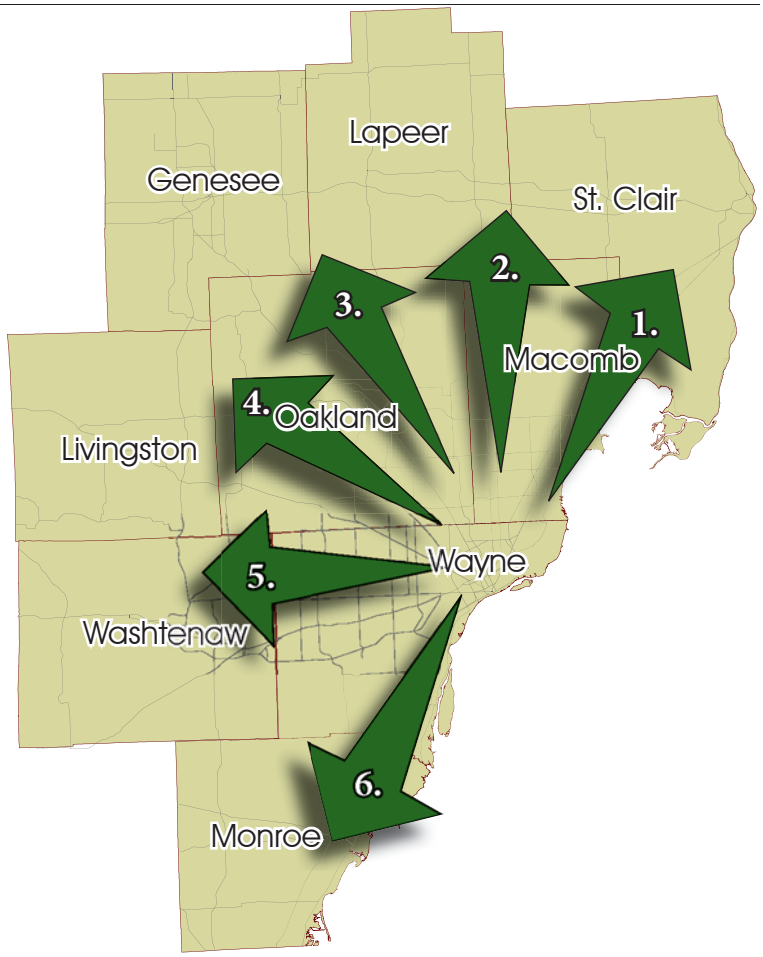
Regional Location

Armada Township is located in the north central portion of Macomb County, along the County's common boundary with St. Clair County to the north. The Township lies approximately 30 miles north of downtown Detroit. The M-53 Freeway, which is adjacent to the Township to the west, provides the Township's principal transportation linkage to the larger southeast Michigan region.

ILLUSTRATION 1
REGIONAL LOCATION MAP



Southeast Michigan Development Corridors



Within the southeast Michigan region, there are several principal corridors along which growth has traditionally occurred. Each of these corridors begins in downtown Detroit, the historic center of the region, and radiates outward into the surrounding communities along established transportation routes. These corridors originally followed major surface streets, like the spokes of a wheel, from downtown Detroit. Today, they largely parallel the interstate freeway system. These historic corridors are identified as follows and shown on Illustration 2.

1. Detroit to Mt. Clemens and Port Huron, along I-94 east and Gratiot Avenue.
2. Detroit to Utica and Romeo, along M-53 north (Van Dyke Avenue) and Mound Round.
3. Detroit to Pontiac and Flint, along I-75 north and Woodward Avenue.
4. Detroit to Brighton and Lansing, along I-96 west, the Lodge Freeway and Grand River Avenue.
5. Detroit to Ann Arbor and Jackson, along I-94 west and U.S. 12 (Michigan Avenue).
6. Detroit to Monroe and Toledo, along I-75 south and Fort Street.

M-53 and I-94 Growth Corridors

In Macomb County, growth has traditionally taken place along the shoreline of Lake St. Clair; this is consistent with the patterns of historical urban settlement. The founding of Mt. Clemens as the County Seat also lent itself to the principal early development pattern along the eastern segment of the county. Subsequent to World War II the majority of metropolitan areas experienced a far-reaching wave of population migration from the traditional core cities into the burgeoning suburban communities. In Macomb County, this resettlement initially occurred within those communities located along the boundary of Detroit, including the City of Warren, Eastpointe, etc. The second surge of suburban growth extended north along the Van Dyke/Mound Road corridor in western Macomb County into Sterling Heights and beyond. By 1970, population levels in the western corridor communities (295,851 persons) nearly equaled the population along the eastern or shoreline communities (317,693) and eventually surpassed the population growth along the lake shore.

Within the Gratiot Avenue development corridor (the eastern side of the County), the greatest population increases occurred in those communities located between 14 Mile Road and 26 Mile Road, including, Clinton Township (23,535 persons) and Chesterfield Township (8,898 persons) during the 1970's. Between 1970 and 2000 the township of Macomb, located southwest of New Haven and adjacent to Lenox Township, more than tripled their population. Overall, growth of a moderate to significant rate was experienced by all of the northern tier Macomb County townships during this same period of time (1970-2000).

TABLE 1

GROWTH CORRIDORS 2000-2010 POPULATION									
M-53/Van Dyke/Mound					I-94/Gratiot/M-3				
	Population		Change			Population		Change	
Community	2000	2010	Number	Percentage Change	Community	2000	2010	Number	Percentage Change
Bruce Township	6,395	6,947	552	8.6%	Richmond City	4,896	5,733	837	17.1%
Village of Romeo	3,520	3,596	76	2.2%	Richmond Township	3,416	3,665	249	7.3%
32 Mile Road to 38 Mile Road	9,915	10,543	628	6.3%	32 Mile Road to 38 Mile Road	8,312	9,398	1,086	13.1%
Washington Township	17,122	23,296	6,174	36.1%	Lenox Township	5,362	5,828	466	8.7%
					New Haven	3,071	4,642	1,571	51.2%
26 Mile Road to 32 Mile Road	17,122	23,296	6,174	36.1%	26 Mile Road to 32 Mile Road	8,433	10,470	2,037	24.2%
Shelby Township	65,159	73,804	8,645	13.3%	Chesterfield Township	37,405	43,381	5,976	16.0%
Utica	4,577	4,757	180	3.9%	New Baltimore	7,405	12,084	4,679	63.2%
M-59 to 26 Mile Road	69,736	78,561	8,825	12.7%	M-59 to 26 Mile Road	44,810	55,465	10,655	23.8%
Sterling Heights	124,471	129,699	5,228	4.2%	Fraser	15,297	14,480	-817	-5.3%
					Clinton Township	95,648	96,796	1,148	1.2%
					Mt. Clemens	17,312	16,314	-998	-5.8%
					Harrison Township	24,461	24,587	126	0.5%
14 Mile Road to M-59	124,471	129,699	5,228	4.2%	14 Mile Road to M-59	152,718	152,177	-541	-0.4%
Centerline	8,531	8,257	-274	-3.2%	Eastpointe	34,077	34,442	365	1.1%
Warren	138,247	134,056	-4,191	-3.0%	Roseville	48,129	47,299	-830	-1.7%
					St. Clair Shores	63,096	59,715	-3,381	-5.4%
8 Mile Road to 14 Mile Road	146,778	142,313	-4,465	-3.0%	8 Mile Road to 14 Mile Road	145,302	141,456	-3,846	-2.6%
Totals	368,022	384,412	16,390	4.5%	Totals	359,575	368,966	9,391	2.6%

The 2010 Census shows that the percentage of population increases were drastically lower for the majority of the communities within these corridors as compared to the decade of the 1990's. This is likely the result of the economic conditions of the late 2000's. Much like the population increases in the north, population decreases can be seen in many of the southern communities, such as Warren and St. Clair Shores even as far north as Mount Clemens and Fraser. Armada Township saw a decrease of twenty four (24) persons in the first decade of the new century. This population decrease is opposite of what Bruce Township (M-53 Corridor) and Richmond Township (I-94 Corridor) experienced during the same time period.

TABLE 2

GROWTH CORRIDORS 2000-2010 HOUSING UNITS									
M-53/Van Dyke/Mound					I-94/Gratiot/M-3				
	Housing Units		Change			Housing Units		Change	
Community	2000	2010	Number	Percentage Change	Community	2000	2010	Number	Percentage Change
Bruce Township	2,188	2,477	289	13.2%	Richmond City	2,061	2,478	417	20.2%
Village of Romeo	1,605	1,659	54	3.4%	Richmond Township	1,060	1,269	209	19.7%
32 Mile Road to 38 Mile Road	3,793	4,136	343	9.0%	32 Mile Road to 38 Mile Road	3,121	3,747	626	20.1%
Washington Township	7,317	9,020	1,703	23.3%	Lenox Township	1,508	1,822	314	20.8%
					New Haven	1,138	1,695	557	48.9%
26 Mile Road to 32 Mile Road	7,317	9,020	1,703	23.3%	26 Mile Road to 32 Mile Road	2,646	3,517	871	32.9%
Shelby Township	25,265	30,291	5,026	19.9%	Chesterfield Township	13,967	17,755	3,788	27.1%
Utica	2,005	2,463	458	22.8%	New Baltimore	3,218	4,740	1,522	47.3%
M-59 to 26 Mile Road	27,270	32,754	5,484	20.1%	M-59 to 26 Mile Road	17,185	22,495	5,310	30.9%
Sterling Heights	47,547	52,190	4,643	9.8%	Fraser	6,178	6,448	270	4.4%
					Clinton Township	41,803	45,288	3,485	8.3%
					Mt. Clemens	7,546	7,582	36	0.5%
					Harrison Township	11,486	12,604	1,118	9.7%
14 Mile Road to M-59	47,547	52,190	4,643	9.8%	14 Mile Road to M-59	67,013	71,922	4,909	7.3%
Centerline	3,916	3,920	4	0.1%	Eastpointe	13,965	13,796	-169	-1.2%
Warren	57,248	57,938	690	1.2%	Roseville	20,519	21,260	741	3.6%
					St. Clair Shores	28,208	28,467	259	0.9%
8 Mile Road to 14 Mile Road	61,164	61,858	694	1.1%	8 Mile Road to 14 Mile Road	62,692	63,523	831	1.3%
Totals	147,091	159,958	12,867	8.7%	Totals	152,657	165,204	12,547	8.2%

In recent decades, population change alone has not been the most accurate indicator of a community's growth. Much of the population decline experienced by the ring of maturing suburban communities surrounding Detroit is the result of declines in household size, rather than an exodus of households from the community. Population decline should, therefore, not necessarily be interpreted as an indicator of community decline. Many times, a community will experience an increase in the number of households simultaneously with a decline in population or at least dramatically different rates of growth between the two. For this reason, housing unit growth trends should be considered when measuring the growth of a community.

As points of reference, the U.S. Census Bureau defines a household as consisting of all of the people occupying a housing unit regardless of their relationship. A family household is defined as having at least one person living in the housing unit that is related to the homeowner by birth, marriage or adoption.

The 2010 Census indicates that the M-53 Corridor saw an increase in housing units of approximately 8.7% during the ten year period of 2000-2010. This was equivalent to an increase of nearly 13,000 housing units. The Gratiot Corridor saw nearly an identical growth rate of 8.2% which was the equivalent of approximately 12,500 housing units.

M-59 and 26 Mile Road Growth Corridors

The M-59 Corridor had become one of the fastest growing areas in the State during the 1990's and early 2000's. This east-west route provides a bridge across the county, linking communities that have experienced the aforementioned population and housing growth over the past 20 to 30 years such as Chesterfield Township, Macomb Township, Clinton Township, Sterling Heights, Utica, and Shelby Township. Collectively, these communities, excluding the City of Utica, experienced a population gain of 50,279 persons between 2000 and 2010. More than 27,063 new housing units were constructed in these communities since 2000. While new housing starts slowed from 2000 to 2010 as compared to the 1990's the number of households was still relatively strong as a result of the housing construction of the early 2000's.

TABLE 3

M-59 GROWTH CORRIDOR 2000-2010 POPULATION AND HOUSING UNITS								
	Population				Housing Units			
Community	2000	2010	Change	Percentage Change	2000	2010	Change	Percentage Change
Chesterfield Township	37,405	43,381	5,976	16.0%	13,967	17,755	3,788	27.1%
Macomb Township	50,478	79,580	29,102	57.7%	17,922	27,585	9,663	53.9%
Clinton Township	95,648	96,796	1,148	1.2%	41,803	45,288	3,485	8.3%
Sterling Heights	124,471	129,699	5,228	4.2%	47,547	52,190	4,643	9.8%
Utica	4,577	4,757	180	3.9%	2,005	2,463	458	22.8%
Shelby Township	65,159	73,804	8,645	13.3%	25,265	30,291	5,026	19.9%
Totals	377,738	428,017	50,279	13.3%	148,509	175,572	27,063	18.2%

As development returns to the County, and begins to move northward as it had previously, the 26 Mile Road Corridor would be the area where increased development would likely occur. It is currently a major collector road and a designated truck route which has served industrial areas in the Village and surrounding communities. The corridor is slated for roadway expansion by the year 2020 and would then become the major east-west corridor in northern Macomb County. This proposed transportation project is already beginning to attract regional development as seen in the construction of a Meijer superstore in Lenox Township and the major shopping centers in Shelby and Washington Townships.

REGIONAL PLANNING INFLUENCES

Southeast Michigan Council of Governments (SEMCOG)

http://www.semcog.org/

SEMCOG is the principal regional planning agency serving the seven-county southeast Michigan region. Its main role is to foster intergovernmental cooperation and to coordinate planning activities that are regional in scope. SEMCOG's principal planning activities involve the following areas: transportation, community/economic development, water/air quality, solid waste disposal, sewage treatment, storm drainage, public safety and land use. SEMCOG also maintains the region's most extensive data base used for planning and economic development purposes. Several of SEMCOG's activities have some influence on Armada Township, either directly or indirectly. Relevant regional plans and policies influencing the community are identified below.

Transportation Planning

Southeast Michigan's road system provides the physical linkage that ties the region together. SEMCOG plays an important role in coordinating the regional planning process for expanding and improving this system. The primary purpose of SEMCOG's transportation planning system is to identify the region's major transportation system deficiencies and to recommend solutions for addressing these problems. SEMCOG's present Regional Transportation Plan considers long-range transportation planning needs to the year 2035 (the 2040 Transportation Plan is currently under development). (This plan works in coordination with the shorter term 2011-2014 Transportation Improvement Program). These needs are based on projected population, household, and employment forecasts for each of the region's 223 units of government. The Plan also identifies improvement corridors, or regional arterials which demonstrate the greatest need for additional traffic capacity.

Suburban Mobility Authority for Regional Transportation (SMART)

http://www.smartbus.org/

The Suburban Mobility Authority for Regional Transportation (SMART) is Southeast Michigan's only regional bus system helping people connect to work, school, medical appointments, shopping centers, entertainment and cultural events. Providing 11 million rides annually, SMART operates 234 Fixed Route buses on 43 routes, 7 days a week, 22 hours a day as well as Connector Service for seniors and people with disabilities who can't access SMART's regular Fixed Route service. Additionally, through our Community Partnership Program (CPP), SMART partners with 75 municipalities and organizations to support local transit service by leveraging federal funding that is returned to local communities.

SMART was originally created in 1967 under Public Act 204 as Southeastern Michigan Transportation Authority (SEMTA). In 1989 Public Act 481 of 1988 amended Public Act 204, reorganizing SEMTA without the City of Detroit and SEMTA was renamed the Suburban Mobility Authority for Regional Transportation (SMART). The company is overseen by a Board of Directors, which govern policies, financial resources and the chief executive's performance. SMART's board consists of prominent citizens from throughout southeast Michigan.

North Macomb Services - Several transit services are available north of Hall Road to connect many Macomb County communities and SMART fixed routes. SMART Connector service is a curb-to-curb, advance reservation service open to the general public.

Huron-Clinton Metropolitan Authority (HCMA)

The Huron-Clinton Metropolitan Authority, Metroparks, is a regional special park district encompassing Wayne, Oakland, Macomb, Washtenaw and Livingston counties. It was sanctioned by the Michigan State Legislature in Act No.147 of the Public Acts of 1939, and was approved in 1940 by the residents of the five counties. The Board of Commissioners held its first meeting in 1941 and funding for the Metroparks became available in 1942.

http://www.metroparks.com/

Currently, 13 Metroparks covering almost 25,000 acres, serve about 9 million visitors annually. The Metroparks are located along the Huron and Clinton rivers, providing a greenbelt around the Detroit metropolitan area. The parks are generally more than 1,000 acres each, with Stony Creek and Kensington being more than 4,400 acres.

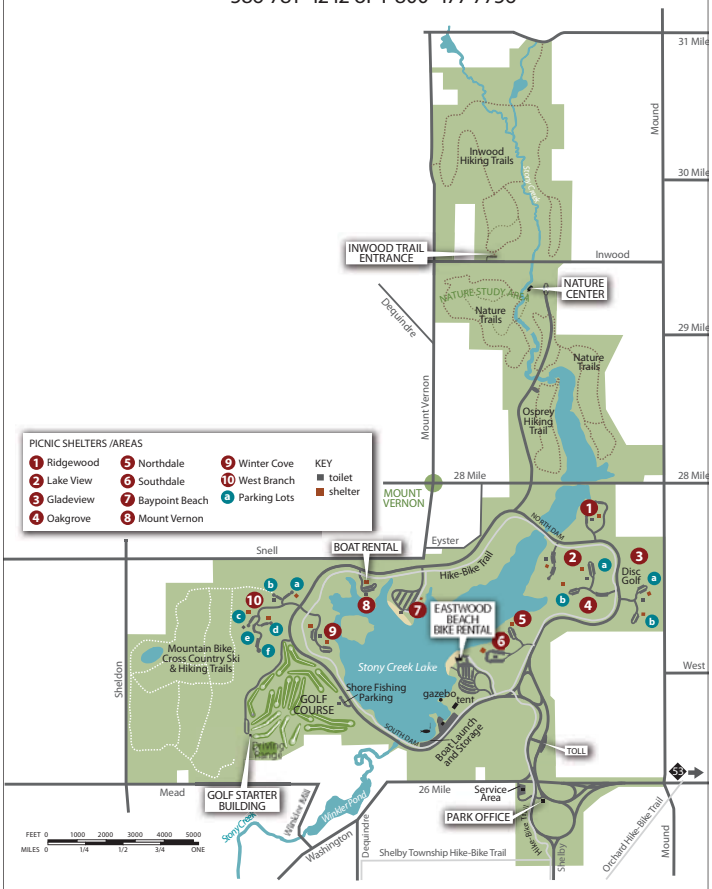
The Metroparks provide an ever-growing variety of outdoor recreational and educational activities the year round. Picnicking, fishing, swimming, boating, hiking, nature study, biking, golf, disc golf, winter sports and a host of special outdoor programs and.

The Metroparks are recognized particularly for their extensive paved hike/bike trails and for their golf courses. More than 55 miles of paved hike/bike trails course through the Metroparks and some of these trails connect with many more miles of trails outside the Metroparks, and the system operates 8 regulation golf course and 2 par-3 courses.

The HCMA has also made a strong commitment to environmental education and preservation. It operates nine full-service interpretive centers -- nature, farm and historical -- that provide a variety of programs both on site and off site, for almost 1.75 million people annually. A tenth interpretive center, the "Mobile Learning Center," is a 48-foot trailer filled with exhibits and hands-on activities that visits schools, community centers, fairs and other locations in southeast Michigan to conduct nature, farm and history programs to groups that may not have the means or opportunities to visit a Metropark.

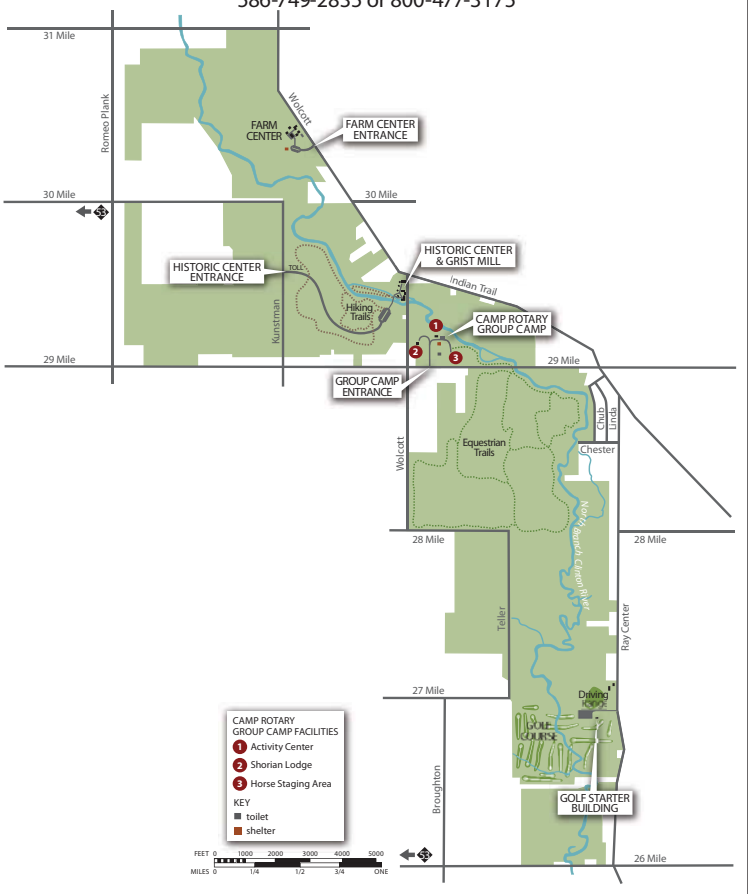
STONY CREEK METROPARK

4300 Main Park Road, Shelby Township, MI 48316
586-781-4242 or 1-800-477-7756



WOLCOTT MILL METROPARK

63841 Wolcott Road, Ray, MI 48096
586-749-2835 or 800-477-3175



Stoney Creek http://www.metroparks.com/parks/index_all.aspx?ID=11&r=0

Wolcott Mill http://www.metroparks.com/parks/index_all.aspx?ID=13&r=0

Macomb County Planning Commission and Macomb County Department of Planning and Economic Development

The County Department of Planning and Economic Development reports directly to Macomb County Executive Mark A. Hackel. The mission of the Macomb County Department of Planning & Economic Development is to retain, grow and attract economic investment while improving the overall quality of life for residents and businesses in Macomb County.

The County Department of Planning and Economic Development contains these five distinct program areas:

- Community Development,
- Economic Development,
- Land and Water Resources,
- Planning & Mapping Services and
- Outreach & Communications.

Macomb County Trailways Plan

Regional Corridors

The Macomb Orchard Trail runs along the southern portion of Armada Township, into the Village of Armada and then neighboring Richmond Township. This segment of the MOT is planned to accommodate multiple uses including equestrians.

County Connectors

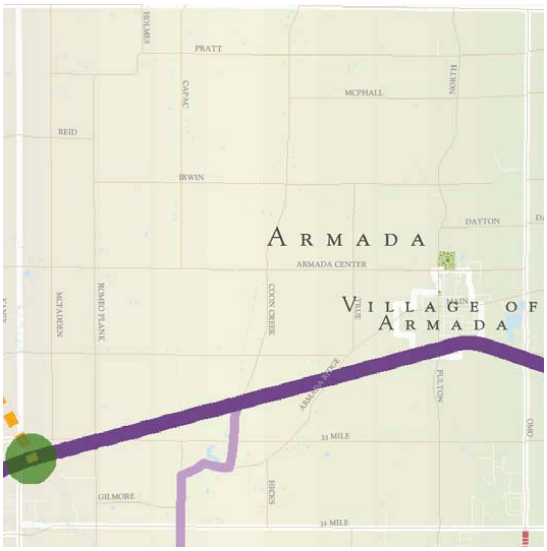
A county connector is proposed to connect the MOT with the Wolcott Mill Metropark in Ray Township. This route is illustrated along Wolcott Road, Armada Ridge and Coon Creek. The connection between Wolcott Mill and the Macomb Orchard Trail should also accommodate equestrians.

Trail Head/Staging Area

A trail head/staging area has been proposed along the Macomb Orchard Trail, just east of the Village of Romeo that will accommodate equestrians as well as other nonmotorized users. Equestrians represent a large number of potential users in the northern portion of the County. There was considerable interest at public forums to incorporate equestrian trails into planning, design and construction efforts. The Macomb Orchard Trail (MOT), in Armada and Richmond Townships are planned to accommodate equestrians. Significant equestrian trails also exist within Wolcott Mill Metropark in Ray Township. Providing a trail connection that accommodates equestrians between these two amenities is preferred. There is potential for the connection between Wolcott Mill and the MOT to follow near the North Branch of the Clinton River rather than Wolcott Road, Armada Ridge and Coon Creek. If airport expansion plans progress in Ray Township, this possibility should be further investigated. Significant comment was gathered during public forums regarding a potential equestrian trail connection between the Macomb Orchard Trail and the Polly Ann Trail in Oakland County. A future link between these three systems has been designated as a Special Study Area for further analysis, study, discussion and determination of feasibility (see Special Study Area Cut Sheet).

Proposed Routes and Outstanding Issues

Armada Township & Village of Armada



Macomb Orchard Trail (Village of Armada) Photo by T. Gondett

Macomb Orchard Trail (Armada Township) Photo by T. Gondett

LEGEND

- Regional Corridor
- County Connector
- Local Connector
- Proposed Blueway Water Trail
- Special Study Areas
- Parks
- Proposed Trail Head/Staging Areas

Source: Macomb County GIS

Route Description

Regional Corridors
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Outstanding Issues and Considerations

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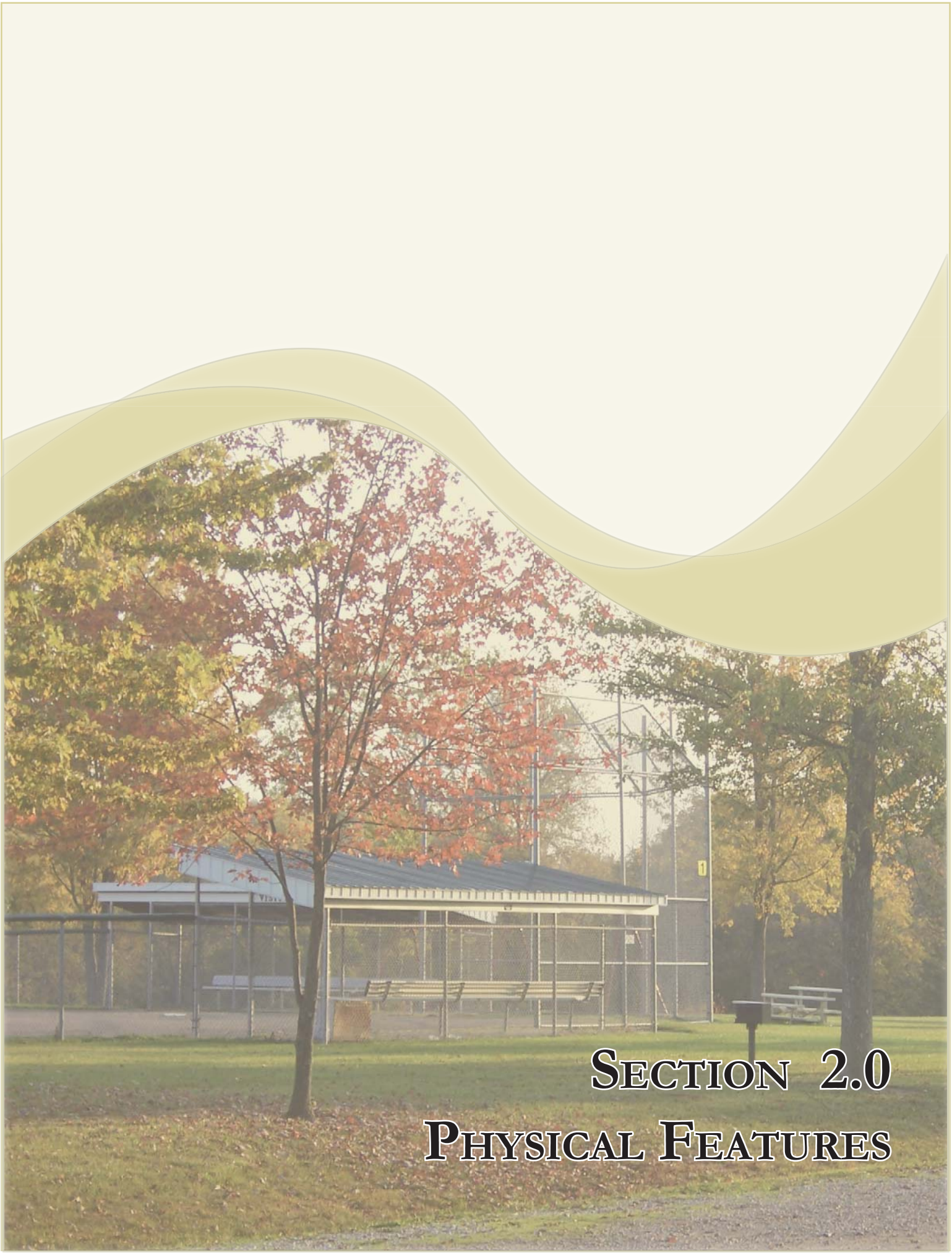


Section 2.0

Physical Features

INTRODUCTION

The following study provides a detailed explanation of Armada's physical land use features. This study examines aspects of the physical environment that may influence future development patterns. These include an identification of designated wetlands, significant woodland areas, soil types, etc.

Wetlands

Wetlands serve a number of important environmental functions that need to be considered during a community-wide planning process. Among other functions, wetlands affect water quality by trapping and storing the nutrients from upland runoff in plant tissue and serving as a settling basin for silt generated from upland erosion. This natural filtering function, however, can be seriously damaged by poor land use practices. Since every wetland has a unique tolerance for filtering runoff from the uplands surrounding it, development in these adjacent areas can create more nutrient and sediment inflow than the wetland is able to absorb. Moreover, development in and around the fringe of the wetland itself can destroy its ecological health and, thus, its filtering ability. Sediments and nutrients from upland development can overload and damage the natural system.

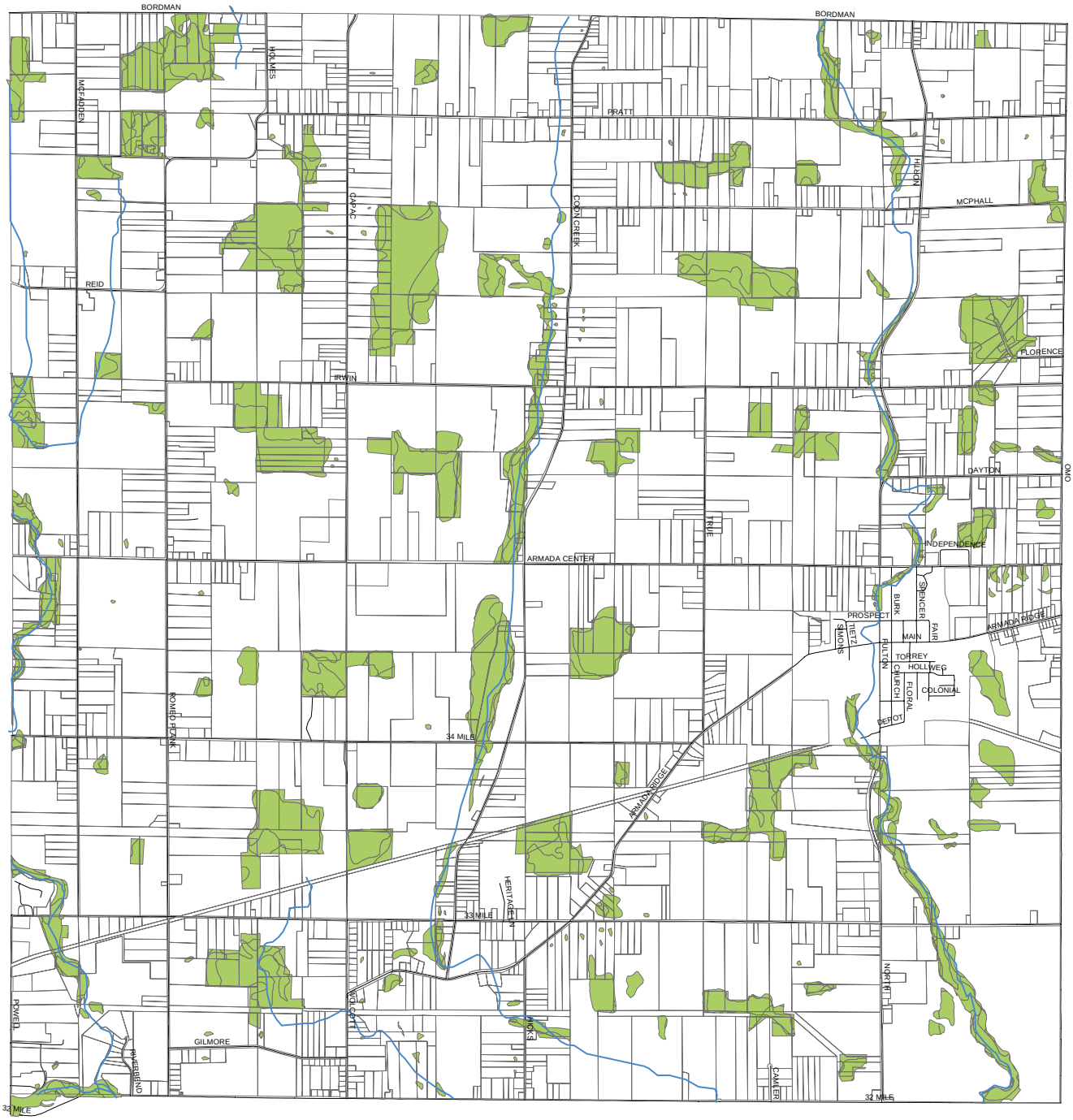
While wetlands operate as natural nutrient filters, they can easily be overloaded and, thus, destroyed. Through increased storm water runoff and nutrients from fertilizers and urban development, this entire process is accelerated as much as 100 times as fast as the natural process. Consequently, a wetland that may have served as an important nutrient filtering area for many years may only function that way for a short period of time once it has been overloaded. Even more serious is the removal of wetlands. The removal of these natural features by dredging or filling will have an immediate impact on the water quality of streams and lakes below them in the watershed system. Preserved wetlands improve water quality, moderate floods, and stabilize water supplies, thereby providing for overall environmental health and stability.

Development in and around wetlands are regulated by the Michigan Department of Natural Resources, pursuant to the provisions of the Goemaere-Anderson Wetlands Protection Act. This legislation generally regulates the development of wetlands over five (5) acres in size, or which are contiguous to the Great Lakes, or to a river, stream, pond or inland lake. Permits are required by this legislation for the following activities: 1) depositing or placing fill material in a wetland; 2) dredging or removing soil from a wetland; 3) constructing, operating or maintaining any use or development in a wetland; and 4) draining surface water from a wetland. State law does provide procedures whereby these activities may be permitted in a wetland, depending on whether or not certain criteria are met.

Numerous State-designated wetlands are located in Armada Township. The predominant category of wetlands which are found in the Township are forested wetlands. They are most commonly referred to as lowland hardwood wetlands. These forested wetlands are found along both streams and in interior portions of the community. Based on the identified studies, the Township does contain some scrub shrub as well as emergent wetlands. However, these identified areas are quite small and are substantially limited to the Township's drainage ways.

Identification of these wetlands is based on information provided from the Michigan Department of Environmental Quality and the National Wetlands Inventory as a part of the County's wetland indicator map. Actual on-site inspection of these areas may result in wetlands of substantially different sizes and configurations.

Generalized Wetlands



Woodlands

Large wooded areas also serve significant environmental functions that need to be recognized and acknowledged. A wooded area can be of great value to a watershed area. The canopy of trees aid in breaking the force of precipitation, thereby decreasing erosion. Erosion is further inhibited by the fibrous root system of the understory plants, as well as the layer of leaf or needle litter. Woodlands can also reduce the volume of storm water runoff. Clear-cut lands can produce excessive runoff unless trees are replaced by other vegetation with comparable water retaining capacity. With no soil and vegetation to moderate runoff from precipitation, flooding may result, in addition to a loss of precipitation ordinarily retained and recharged into groundwater reserves by the woodland.

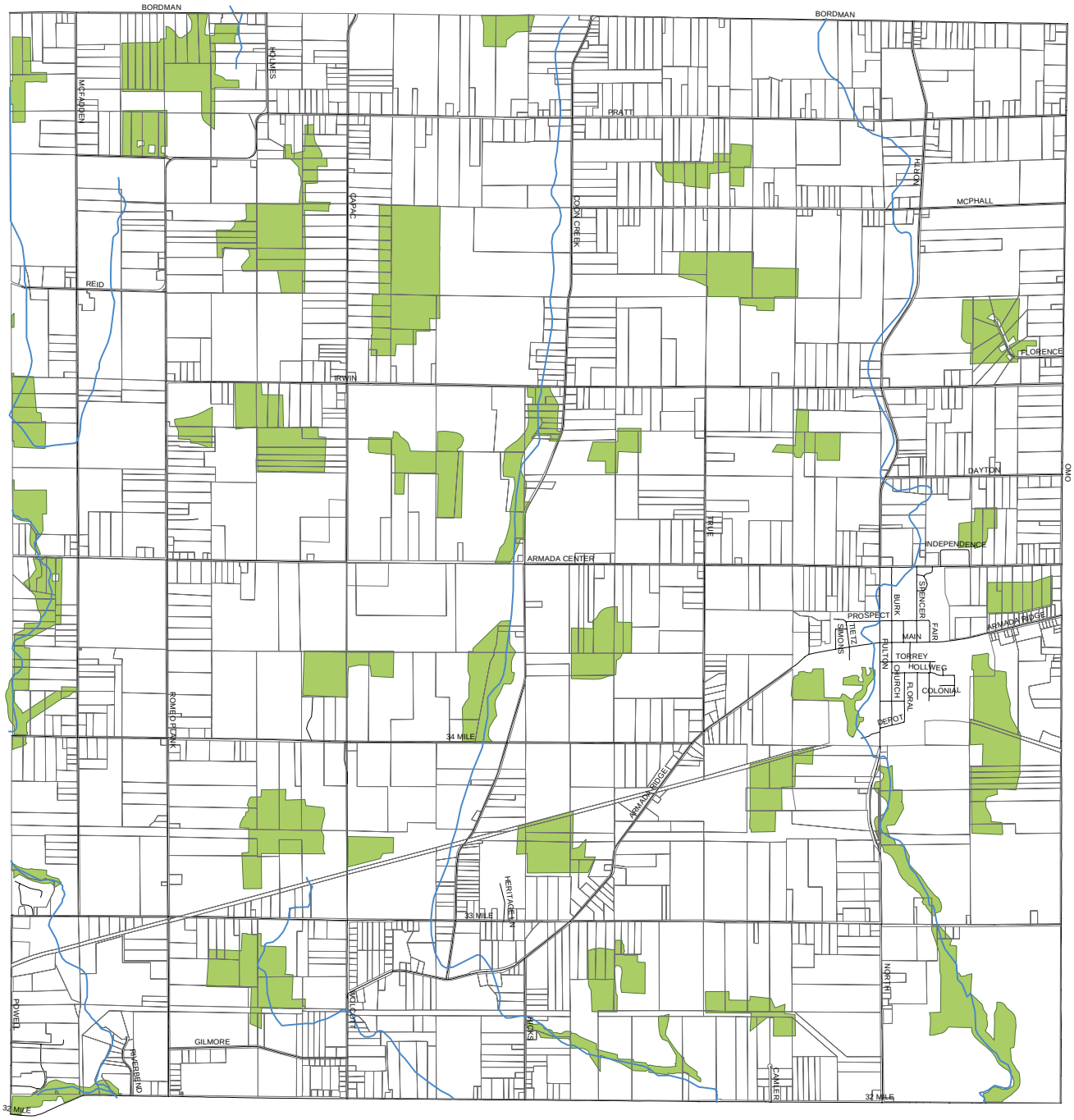
Woodlands improve air quality and afford protection from wind and erosion. Leaves and branches moderate the strength of winds and, when moistened with dew or rainwater, reduce suspended particles in the air, which are later washed off with rainwater. Plants also serve to moderate the effect of chemical pollutants in the air by absorbing some ozone, carbon dioxide, and sulfur dioxide.

The resilience of woodlands creates a microclimate around the tree stand itself. Woodland qualities which moderate and buffer temperature, precipitation, runoff, wind and noise are features of this microclimate effect. The benefits of this microclimate effect to surrounding urban and suburban areas can be significant. An urban area devoid of vegetation is the exact opposite of the forest microclimate. It increases the range of temperature fluctuations much like the climatic extremes of a desert.

The significance of woodlands is given added weight by the less quantifiable benefits that they provide to the public. Not only are woodlands important buffers, they also add aesthetic values and provide attractive sites for recreational activities such as hiking, camping, and other passive recreational pursuits. Continued stability of good real estate values is a secondary benefit offered by woodlands. Since people choose to live in and around woodlands, providing for woodland protection and management in developments will help maintain favorable real estate values.

Significant quantities of wooded land are evident throughout the Township. These wooded areas are distributed fairly evenly throughout the community and are confined primarily to interior section acreage away from the major road frontages. The characteristics of these woodlands likely vary from site-to-site. An examination of existing woodlands, however, should be conducted in conjunction with each development proposal brought before the Township. Incorporating woodlands as integral features of all future development will significantly enhance the quality of life for the Township. Many of the Township's existing woodlands also share numerous wetland characteristics.

Generalized Woodlands



Soils

Soil characteristics are an important determinant of land use potential. Not only do soils influence the suitability of land for agricultural purposes, they also help determine whether or not a parcel is suitable for more intense forms of urban development including housing, roads, and utilities. The suitability of different soil classifications for the installation of on-site sewage disposal systems is particularly important for areas that are not served by municipal disposal systems. Armada is composed of two generalized soil associations which are described below.

Conover-Parkhill-Locke Association

Most of the Township is comprised of soils within this association. This association consists of nearly level to gently sloping, somewhat poorly drained and poorly drained soils.

This association is one of the best in the County for crops. The soils in it are medium to high in fertility and respond readily to management. Nearly all areas have been cleared and are cultivated. Excessive wetness is the main limitation.

Excessive wetness and slow runoff are severe limitations to use of this association of residential and recreational areas. These limitations cause difficulty in laying out streets and utility lines and in constructing houses. Highways break up readily because of frost heaving and excessive wetness.

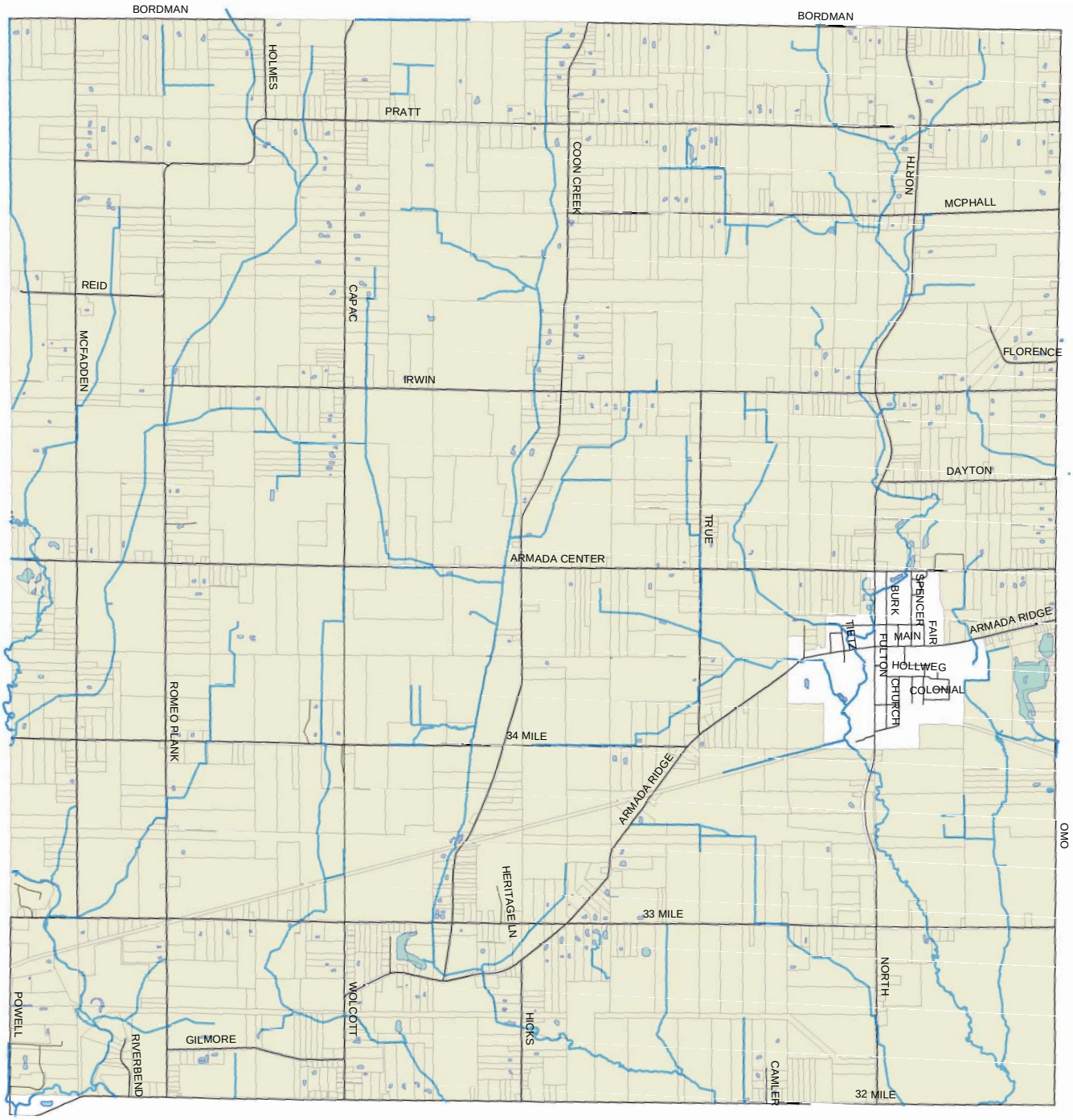
Oakville-Boyer-Spinks Association

This association is made up of well-drained, nearly level to hilly soils. A prominent ridge of these soils runs through Armada Township along Armada Ridge Road. The landscape is one of hilly areas, numerous narrow outwash plains and small wet depressions.

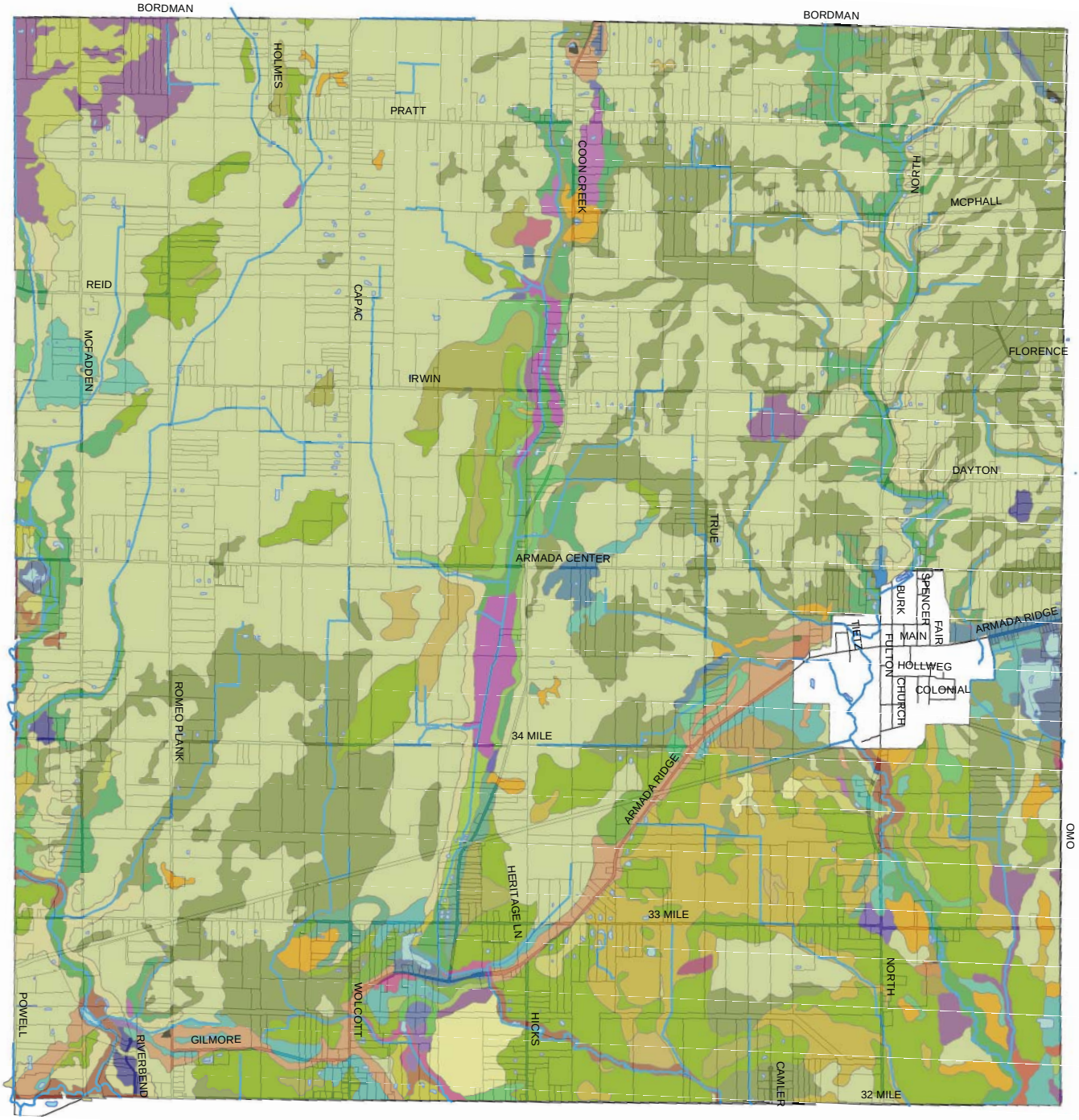
Most of this association has severe limitations for use as cropland. Many areas are too steep or too sandy and generally are droughty in midsummer. The slopes, which are short and irregular, make contour farming and construction of terraces difficult.

Slope is the main limitation to use of this association as residential and recreational areas. The limitation is slight in the nearly level and gently sloping areas. It is severe in the steeper areas, where it is difficult to lay out streets and utility lines and to construct houses. Boyer soils are a potential source of sand and gravel and of good foundation material for houses, streets, and highways.

Generalized Waterways

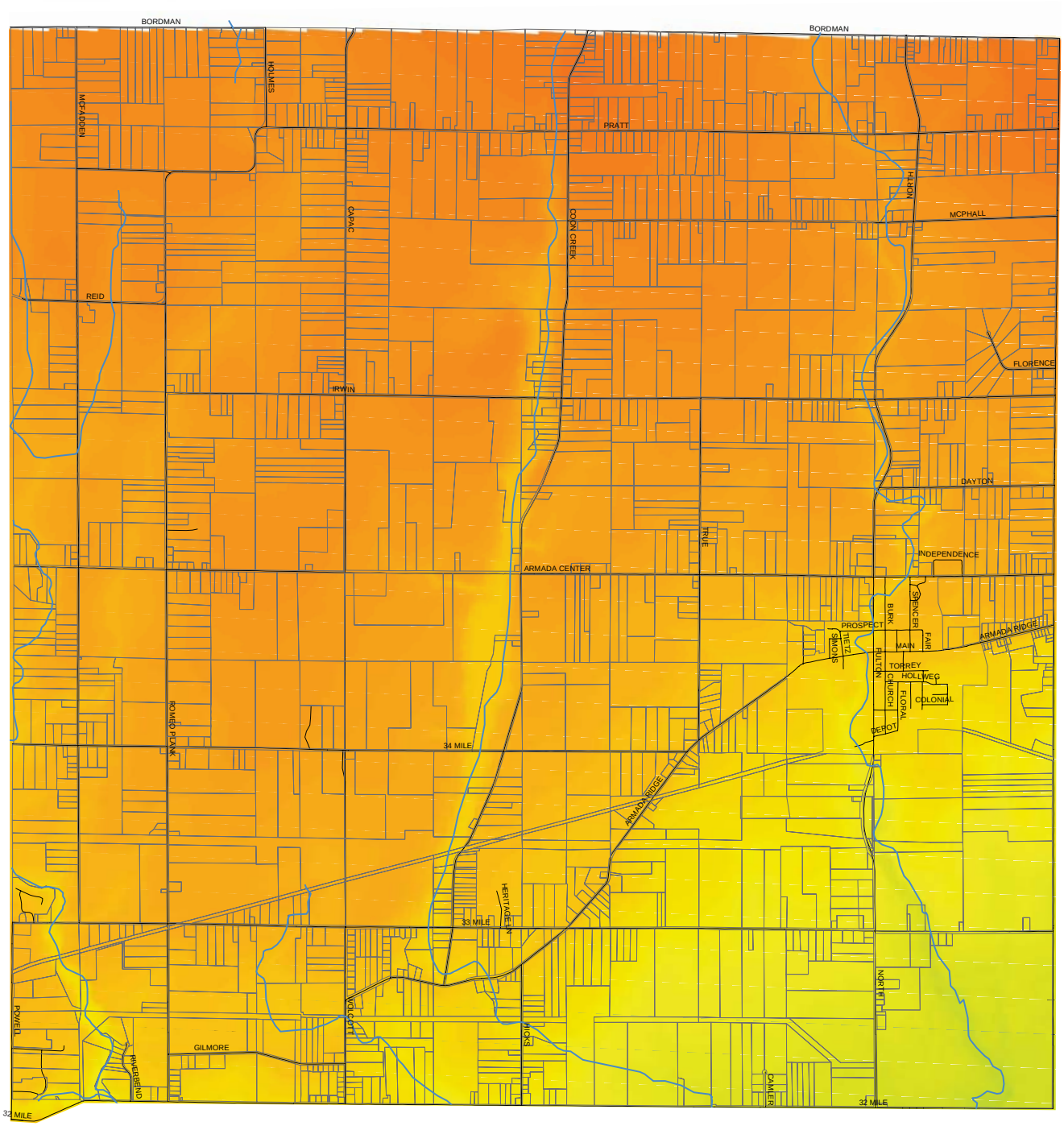


Generalized Soils



Bx, Cm, Cw, Ed, Ep, GP, Gd, Gm, BrA, BrB, BrC, BsA, BsB, BvB, CeA, CeB, MnB, MoB, MoC, MoD, MsB, OkB, SdA, SdB, Hy, La, Lm, Pa, Sc, Sl, Sn, AuB, CvA, CvB, DrA, DrB, LeB, LoA, LoB, LsB, SmB, SpA, SpB, WsA, WsB, WtA, WuB, WvB, Sl, Sn, AuB, BlA, BlB, LoA, LoB, LsB, MeA, MeB, WtA, WuB, WvB, Mine, Water

Generalized Topography



High Elevation: 1145

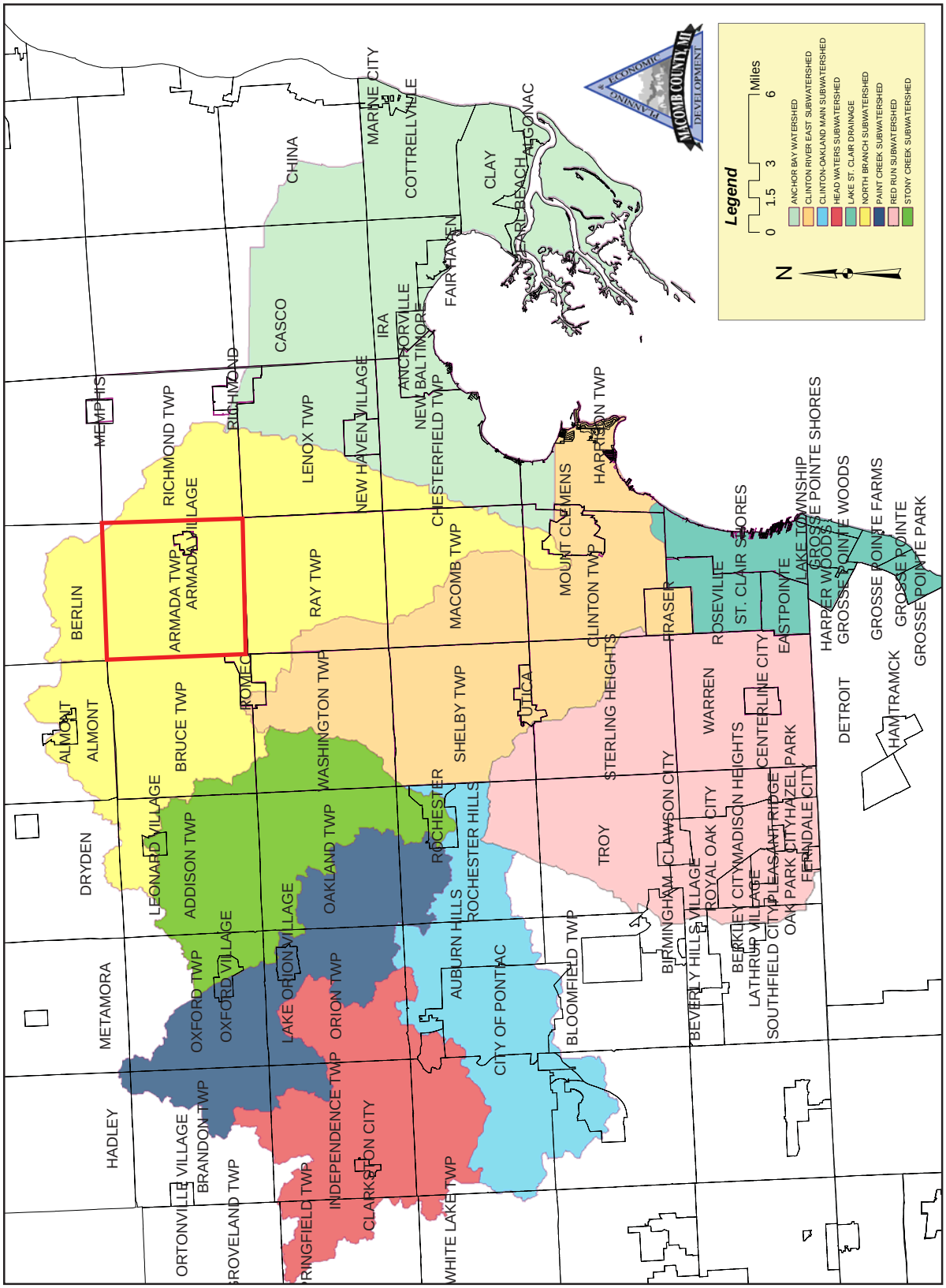
Low Elevation: 572

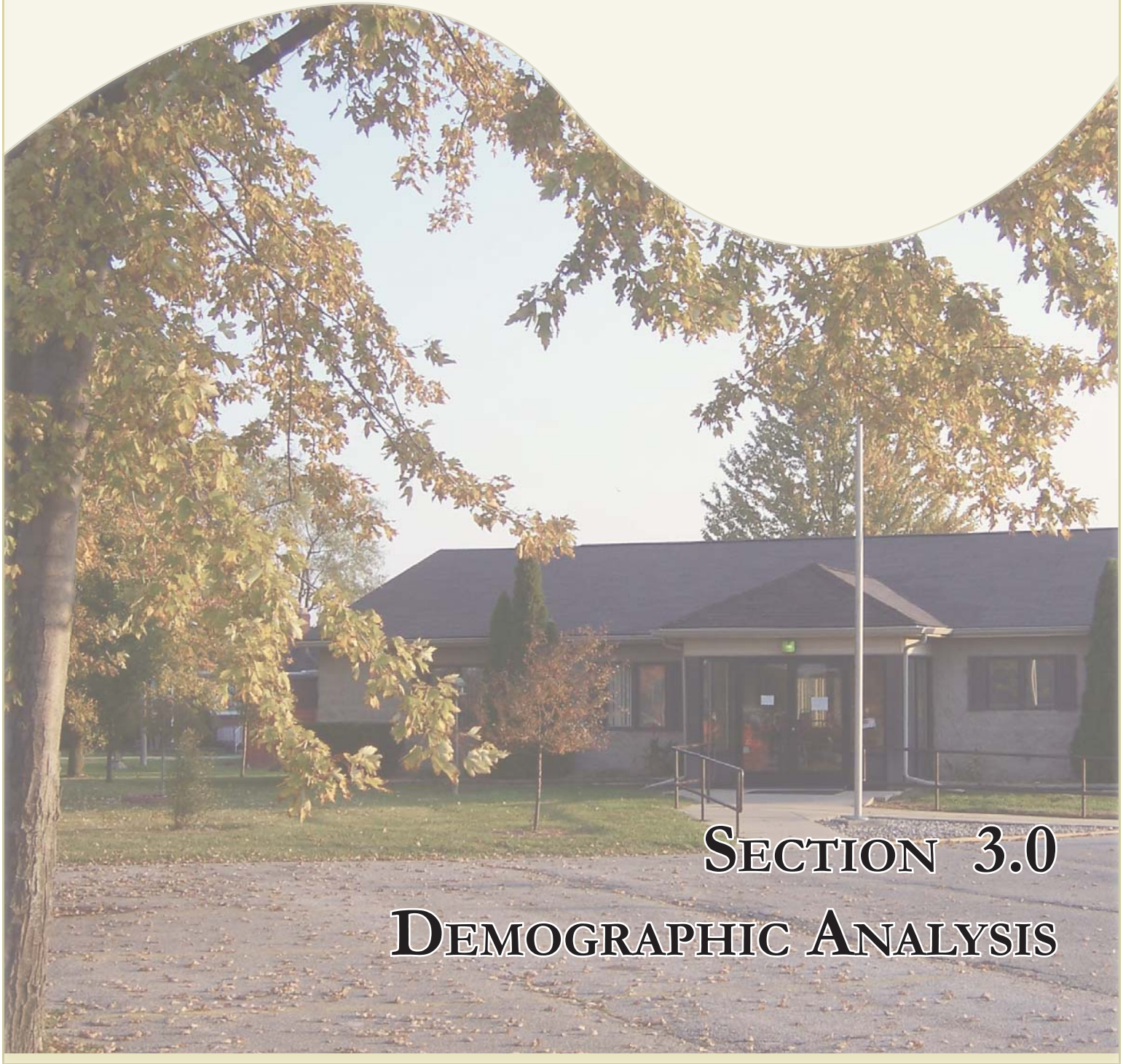
Watersheds

As water flows across the land, it gathers into any number of different sized channels, drains or waterways that are all interlaced together like branches of a tree. The sizes of the channels or drainage ways are also likened to a tree; the further from the base or roots, the smaller the branches or drainage ways. The tips of a tree have very small branches that connect to larger branches, which connect to main limbs that ultimately connect with the trunk and run to the base. The branches make up the overall drainage network. The land area feeding into these branches or drainage network makes up the actual watershed.

The Township has a total of five (5) subwatersheds. These include the Coon Creek, East Branch of the Coon Creek, Highbank Creek, North Branch of the Clinton River, Tupper Brook.

Generalized Watersheds





Section 3.0
Demographic Analysis

INTRODUCTION

The characteristics of a community's population are among the key ingredients that require consideration in the long-range planning process. Historical and current population trends have several useful applications. They are especially relevant in identifying the need for various types of community facilities. Future land use and public utility demands are also related to demographic trends and characteristics.

The following review considers several items, each of which are important to more fully understand the characteristics of Armada Township's population. These individual topics include the following:

- Population change over time.
- Age characteristics.
- Household characteristics.
- Population projections.

The most current available population data for Armada Township is employed in the examination of each topic listed above. Whenever possible, comparable data for Macomb County is also included. Information for this wider geographic area is provided for the purpose of understanding the relationship of the Township to the larger related geographical areas that it occupies in southeast Michigan. Conclusions and the potential planning policy implications of this data are also noted.

POPULATION CHANGE

At the national level, the U.S. population exceeded the two-hundred million mark for the first time in 1970. An increase to 226 million was recorded in 1980 and the total for 1990 was just under 249 million persons. The 2000 U.S. Census records showed our nation's population at 281 million and that number has continued to increase in the 2010 Census. As of the 2010 Census the County's population was just short of 309 million persons. Michigan's share of the national population has been at or near four percent since 1930.

During the 80-year period between 1930 and 2010, Michigan's population increased from 4.8 million to over 9.9 million. The State's greatest periods of population growth over these seven decades occurred between 1940 and 1970. During this thirty-year period, Michigan gained more than one million people for each ten-year census interval. Between 1970 and 1990, however, population growth slowed considerably. After only a one percent increase between 1980 and 1990, the 2000 U.S. Census data gives the State of Michigan a population of 9,938,444, an increase of nearly seven percent.

Population change for Armada Township and its neighboring communities was examined over a 70-year period between 1940 and 2010. During this period, the Township's population increased by 2,609 persons or nearly two and one half times, from 1,064 in 1940 to 3,649 in 2010, but this last decase saw an end to consistent increases in population.

Armada Township has experienced a pattern of consistent population growth since 1940, with the exception of the ten year period between 1940 and 1950. The Township saw its most consistent and substantial growth between 1970 and 2000. The Township had population increases of 894, 448, and 730 respectively per decade between 1970 and 2000. These growth patterns are consistent with the growth patterns for Armada's neighboring communities as well. However, the 2010 Census indicated a lower population for the Township than in 2000, a decrease of 24 persons. This is not consistent with the neighboring communities to the west and the east which actually experienced increases

In 1940, Armada Township contained nearly one percent of Macomb County's total population. The Township's population as a percentage of the total County population declined from 1940 to 1970. In 1970, the Township's population was only 0.25% of the County's total population. However, since 1970 the percentage has been rising. Based on the 2010 Census information, the Township is now home to nearly 0.4% of the County's population, this is a slight decrease since 2000 but nearly the same percentage as in 1990. This decline and then resurgence can be explained by the fact that in the two decades following World War II, Macomb County experienced significant population growth. Most of this growth was concentrated in the County's southern communities. As growth advanced in a northerly direction, those communities located proximate to M-53 began to participate more fully in Macomb County's growth. The same is also true for Armada Township, albeit to a lesser extent. Clearly the Township's position between the M-53 and the Gratiot Corridors will influence future population growth. Projections of future population will be examined elsewhere in this report.

TABLE 4

POPULATION CHANGE								
Community	1940	1950	1960	1970	1980	1990	2000	2010
Armada Township	1,064	951	1,336	1,601	2,495	2,943	3,673	3,649
Armada Village	865	961	1,111	1,352	1,392	1,548	1,573	1,730
Ray Township	1,439	1,671	2,086	2,683	3,121	3,230	3,740	3,739
Bruce Township	785	996	1,538	2,213	3,823	4,193	6,395	6,947
Richmond Township	1,155	1,194	1,385	1,719	2,453	2,528	3,416	3,665
Berlin Township	1,269	1,291	1,418	1,595	2,160	2,407	3,162	3,285
Macomb County	107,638	184,961	405,804	625,309	694,600	715,240	788,149	840,978
Armada Township as a Percentage of Macomb County	1.0%	0.5%	0.3%	0.3%	0.4%	0.4%	0.5%	0.4%

Source: U.S. Census

TABLE 5

POPULATION CHANGE										
Community	1960-1970	% Change	1970-1980	% Change	1980-1990	% Change	1990-2000	% Change	2000-2010	% Change
Armada Township	265	19.8%	894	55.8%	448	18.0%	730	24.8%	-24	-0.7%
Armada Village	241	21.7%	40	3.0%	156	11.2%	25	1.6%	157	10.0%
Ray Township	597	28.6%	438	16.3%	109	3.5%	510	15.8%	-1	0.0%
Bruce Township	675	43.9%	1,610	72.8%	370	9.7%	2,202	52.5%	552	8.6%
Richmond Township	334	24.1%	734	42.7%	75	3.1%	888	35.1%	249	7.3%
Berlin Township	177	12.5%	565	35.4%	247	11.4%	755	31.4%	123	3.9%
Macomb County	219,505	54.1%	69,291	11.1%	20,640	3.0%	72,909	10.2%	52,829	6.7%

Source: U.S. Census

AGE

Age characteristics are among the more important demographic variables. They are useful as an indicator of anticipated demand for various types of municipal services and programs, including parks, employment needs, job training, day-care, schools, and various services for the elderly. A community's future land use requirements are also related to its age characteristics.

Median Age

The steady aging of this Nation's population was among the more important trends dimensioned by the 1980 Census. After reaching a high of 30.2 years in 1950, the median age for the Nation declined the following two decades to 29.5 years in 1960, and 28.3 years in 1970. These declines were largely a response to the high birth rates that occurred during the baby boom years following World War II. The aging of the baby boom children during the 1960's and 1970's partially explains the rise in median age revealed in the 1980 U.S. Census. This trend has continued in the Census information from 1990, 2000 and 2010.

The aging trend is clearly reflected in the median age figures noted in Table 6 Each of the different geographic areas included above experienced an increase in median age levels between 1970 and 2010. The Nation's population reached an average age of 30.0 years old in 1980, according to the U.S. Census Bureau. Both Michigan and Macomb County reported median age levels approaching the National level in 1980. While Armada Township also reported an increase in median age from 23.8 years in 1970 to 27.8 years in 1980, it remained below the levels reported by its larger parent geographic areas. In 1990, the Township's median age was still younger than that of the County, State or Nation by nearly a year. Data available from the 2000 Census revealed continued increases in median age. The Township's median age level rose to 36.1 years, which was less than Macomb County, however, it was slightly higher than the State and National totals as noted below. The 2010 Census was no exception to the continuing rise in median age. The median age for Armada Township is now 42.6 years of age. The Township's median age is now substantially higher than that of the County's, State's or Country's. Rising median ages within the Township may be contributed to two different scenarios. The first being the aging of existing farmers within the Township and County, the second being the rising real estate values for the region.

TABLE 6

MEDIAN AGE 1970-2010					
Geographic Area	1970	1980	1990	2000	2010
Armada Township	25.5	27.8	31.6	36.1	42.6
Macomb County	24.6	29.1	33.9	36.9	39.9
Michigan	26.3	28.8	32.6	35.5	38.9
United States	28.3	30	32.9	35.3	37.2

Source: U.S. Census

Population by Age

By reviewing the various age categories that make up the Township's population, it is possible to determine how various segments of the population have changed over time and which groups made the largest contributions to Armada Township's population increases over the past two decades.

The distribution of Armada's population into designated age categories for the year 2010 is shown in Table 7. The Township's two largest age groups are the 35 to 44 year age group as well as the 45 to 54 year age group. This corresponds with the established family and the second or third home segment of the population.

TABLE 7

AGE CATEGORIES		
Age	2010	Percentage
Under 5	150	4.1%
5 to 9 Years	206	5.6%
10 to 14 Years	298	8.2%
15 to 19 Years	287	7.9%
20 to 24 Years	214	5.9%
25 to 34 Years	277	7.6%
35 to 44 Years	446	12.2%
45 to 54 Years	764	20.9%
55 to 59 Years	304	8.3%
60 to 64 Years	230	6.3%
65 to 74 Years	302	8.3%
75 to 84 Years	126	3.5%
85 Years and Over	45	1.2%
Total	3,649	100.0%

Source: U.S. Census

Age by Life Cycle Category

A more meaningful picture of the Township population's age distribution is possible when the individual age categories shown on the previous table are combined into a smaller number of groups, which more closely resemble identifiable stages of a normal human life cycle. Selected categories and the age intervals that they represent include: pre-school (0-4), school (5-19), family formation (18-44), middle-age (45-64), and seniors (65+). The percent of the Township's population that falls into each of these categories is shown in Table 8. Available information for 1970, 1980, 1990, 2000 and 2010 is shown. Each of the life cycle stages reflected in Table 8 has important meaning for planning.

The pre-school and school-age categories, for example, offer useful indicators of future school enrollment trends and the adequacy of existing facilities to meet these needs. In 1970, children under the age of five represented 9.3 percent of the Township's total population. This percentage declined over the following three decades to a level of 7.7 percent in 1980, 7.5 percent in 1990, and 6.6 percent in 2000. In 2010, the Census revealed that there was a continued decline in pre school aged children dropping to only 4.1 percent of the total population.

TABLE 8

LIFE CYCLE CATEGORIES					
Category	1970	1980	1990	2000	2010
Pre School (0-4)	9.3	7.7	7.5	6.6	4.1%
School (5-19)	33.7	31.3	28.9	25.3	21.7%
Family Formation (20-44)	28.2	35.2	36.4	34.8	25.7%
Middle Age (45-64)	21.1	18.8	18.5	24.4	35.6%
Seniors (65+)	7.7	6.9	8.7	8.8	13.0%

Source: U.S. Census

Collectively, the family formation and middle-age categories comprise the foundation of the community. They are the largest segment of property owners and taxpayers. They are also among the largest consumers of goods and services and, therefore, provide a catalyst for economic growth. These two categories accounted for 49.3 percent of the Township's 1970 population, 54.0 percent in 1980, 54.9 percent in 1990, 59.2 percent in 2000 and 61.3% in 2010.

The remaining category includes all residents over the age of 65. Improved medical care and longer life expectancy are partially responsible for the increasing number of seniors nationwide. Continued increases in the senior citizen population will generate demands for a variety of services targeted to this population category, including health care, transportation, housing and recreation, among others. In 1970, 7.7 percent of the Township's population was over the age of 65. This decreased to 6.9 percent in 1980 and then rose over the following two decades to 8.7 percent in 1990, and 8.8 percent in 2000. The 2010 Census indicated a major jump in the number of residents over the age of 65, with a total of 13.0 percent falling within the category.

HOUSEHOLDS

Household Growth Trends

The U.S. Census Bureau has two categories that it uses to describe living arrangements: households and families. A household is one person or a group of persons occupying a housing unit. The number of households and occupied housing units are, therefore, identical. Families, on the other hand, consist of two or more persons, related to each other, living in a household.

Household characteristics, in general, and the rate of new household growth have become increasingly important indicators of demographic change within a community. Changes in the number of households and their composition are recognized as a more valid measure of community growth and vitality than absolute changes in the number of persons. Several reasons account for this view.

At the local level, households generate property tax revenues regardless of how many people are living within the household. Households also generate a demand for durable goods, including cars and appliances, as well as energy (electricity, gas and telephone services) which serve to stimulate local and regional economic growth. Local governmental services are impacted by household growth trends, especially the need for public utilities (water and sewage disposal), police and fire services, and solid waste disposal, among others. The number of households also influence traffic levels and the need for future transportation system improvements.

Armada Township experienced increases in the total number of households and the rate of household growth over the past two decades. For example, between 1980 and 1990, the number of new households occupied in the Township increased by 151, or 20.7 percent. More than 300 new households were formed from 1990 to 2000, representing an increase of 24.1 percent. From 2000 to 2010, the number of households increased by only 112, representing a percentage increase of 9.5 percent. In each of the past three decades, the rate of new household formation in Armada Township exceeded that of Macomb County as a whole by significant margins up until this last decade. Between 1980 and 1990, the rate of new household formation in Armada Township was slightly greater than the growth experienced by Macomb County. During the 1990's, the Township experienced household growth rates at over twice the County's rate. From 2000 to 2010 the growth rates were similar with the Township's being slightly higher.

TABLE 9

HOUSEHOLD GROWTH 1980-2010

	1980	1990	Change 1980-90	% Change	2000	Change 1990-2000	% Change	2010	Change 2000-2010	% Change
Armada Township	728	879	151	20.7%	1,175	296	33.7%	1,287	112	9.5%
Macomb County	229,805	264,991	35,186	15.3%	309,203	44,212	16.7%	331,667	22,464	7.3%

Source: U.S. Census

Household Size

Accompanying these increases in household growth was a decline in the size of the average household. At the National level, household size has declined steadily since 1950, when it stood at a level of 3.37 persons per household. By 1990, it had declined to 2.63 persons per household. U.S. Census data for the year 2000 indicated that the number of people per household in Michigan had slightly declined to 2.56. This number continued to drop to 2.49 as of the 2010 Census. This corresponds with the increasing age of the residents of the State and the fewer number of children still at home and the fewer number of families being started in the State.

Consistent with broader national and regional trends, average household size in Armada Township has declined over the past four decades. In 1980, the size of the average household was 3.55 persons. This declined to 3.35 persons in 1990, and again to 3.10 persons in 2000. The 2010 Census showed another substantial fall in the number of persons per household, dropping the Township below three (3) persons per household to 2.82. Similar declines are observed for Macomb County and Michigan. In spite of these declines, the size of the average household in Armada Township remains above State and County averages.

Several factors are responsible for this decline which include birth rate patterns, the distribution of the population on the age spectrum, and life style changes. The first of these factors is referred to as the baby-boom echo. America experienced a well-documented population growth period following the Second World War, commonly known as the baby-boom. Children born during this period have reached the child-bearing years and are starting their own families, creating an echo of the earlier baby-boom. This baby-boom echo is not producing the same number of persons that occurred earlier due to significant declines in the birthrate. Women today are having fewer children than their mothers did. Fewer children mean smaller families and reduced household sizes.

Population distribution patterns also impact household size declines. The aging of the baby-boom generation has begun to increase the proportion of those persons that are no longer considered to be likely candidates for parenthood.

Finally, the increasing number of single-person households has contributed to this trend. Improved medical care has resulted in an increasing number of persons over the age of 65, many of whom are widows or widowers creating single-person households. Young persons have also shown a tendency to marry later and delay having children until later in their lives. Another consequence of this delay is a corresponding decision to have fewer children. Increases in the divorce rate has also increased the number of new households and contributed to the decline in their overall size.

TABLE 10

HOUSEHOLD SIZE 1970 - 2010					
	1970	1980	1990	2000	2010
Armada Township	3.64	3.55	3.35	3.1	2.82
Macomb County	3.63	3	2.68	2.52	2.51
Michigan	3.27	2.84	2.63	2.56	2.49

Source: U.S. Census

Household and Family Characteristics

Since 1970, there have been many changes in the American family's composition. The data available for the most recent decade, 2000-2010, shows the continued decline in the "traditional" family.

In the United States, the traditional family dropped to nearly 21 percent of all households. Families headed by unmarried women comprised nearly 13 percent of the overall family percentage, and persons living alone or with unrelated people now make up almost one third of all households. Families currently make up 67 percent of all households, but are smaller and less traditional than ever before.

In Armada Township in 2000, family households accounted for 82.4 percent of all households. In the 2010 Census, this percentage dropped to approximately 77 percent. This is higher than the Macomb County total of 68.2 percent. Married-couple families represent 66 percent of all households, this was nearly a double digit percentage drop from 2000, and compared to the Macomb County total of 49.7 percent. Armada Township reports 138 female-headed households, or 7.3 percent of all Township households. This is lower than the County-wide figure of 16 percent.

PROJECTIONS

Projections provide a basis for anticipating future land use and various community service demands. As noted in the previous discussion, the factor that will have the greatest influence on these demands is the anticipated number of new households. While there is no precise way of absolutely predicting the future, past trends offer a useful method of anticipating expected changes in the number of households and the number of residents.

SEMCOG provides projections for all communities within the seven (7) county region. SEMCOG has projected that by the year 2040 the Township will have 3,575 persons a decrease of 74 persons from the 2010 Census. It is interesting to note that the number of residents expected in the Township over the age of 75 will increase by 164 percent by the year 2040. Further the number of residents ages 65-74 will increase by 32.5 percent, whole those ages 35-64 will decrease by 54 percent collectively.

Several key statistics stand out for the projections for Armada Township from the previous 2035 projections. It is anticipated that from the year 2010 to 2035 the number of households with seniors (65+ years) will increase by 144.5 percent to nearly 819 households. This is compared to those without seniors which only rises 40 percent. Further, the number of households with persons over 65 and living along is projected to rise 319 percent. These statistics begin to show the need for park amenities and programs that are geared to those persons nearing retirement age along with those improvements for younger more active recreation users.

HOUSING CHARACTERISTICS

Number of Units/Housing Type

Over the past 30 years, Armada Township's housing supply has continued to increase. From 1980 to 2010 the Township saw an increase of 552 units. More than 171 new units were added between 1980 and 1990. This increased to 276 units (an increase of nearly 31 percent) during the 1990's. From 2000 to 2010, the Township saw an increase of only 99 residences, largely due to the economic downturn in the State. This represented an increase of only 8.4 percent, significantly slower than the growth rate over the decade of the 90's. Single-family homes account for over 90 percent of the Township's total housing supply, followed by multiple-family units and mobile homes.

TABLE 11

HOUSING UNITS			
Year	Number	Change	Percentage
1980	722	288	65.50%
1990	899	177	24.52%
2000	1,175	276	30.70%
2010	1,274	99	8.43%

Housing Tenure

Home ownership is generally a good indicator of community stability. Home purchases often represent the single largest investment that a family will make and, therefore usually signifies a long-term commitment to community. Approximately 94.1 percent of Armada Township's total housing units are owner-occupied according to the 2010 Census. This represented the first decrease in the percentage of home ownership since 1980. For Macomb County as a whole, the percentage is much lower, approximately 20 percent lower, of all housing units are owner-occupied. Armada Township has consistently reported a high percentage of home ownership since 1980.

TABLE 12

HOUSING TENURE 1980-2010								
	1980		1990		2000		2010	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Owner Occupied	639	91.8%	816	92.8%	1,124	95.7%	1,211	94.1%
Renter Occupied	57	8.2%	63	7.2%	51	4.3%	76	5.9%
Total	696		879		1,175		1,287	
					(28 vacant homes)		(51 vacant homes)	

Vacancy Rates

Vacancy rates are a significant indicator of conditions within a local housing market. They are particularly useful for evaluating the dynamics of the housing market. Vacancy rates between three and five percent are generally considered to be the evidence of a stable housing market. When vacancy rates drop below three percent, housing choice becomes restricted. High vacancy rates, on the other hand, are indicators of incipient housing problems.

Armada Township reported a total of 51 vacant homes in the 2010 Census. This was a rise from the reported 28 vacant housing units in 2000 and the 2000 Census was an increase from the 1990 total of 20 units. The vacancy rate for residential housing in the Township is 3.8 percent in 2010, this is an increase from 2.3 percent in 2000.

Disability Characteristics

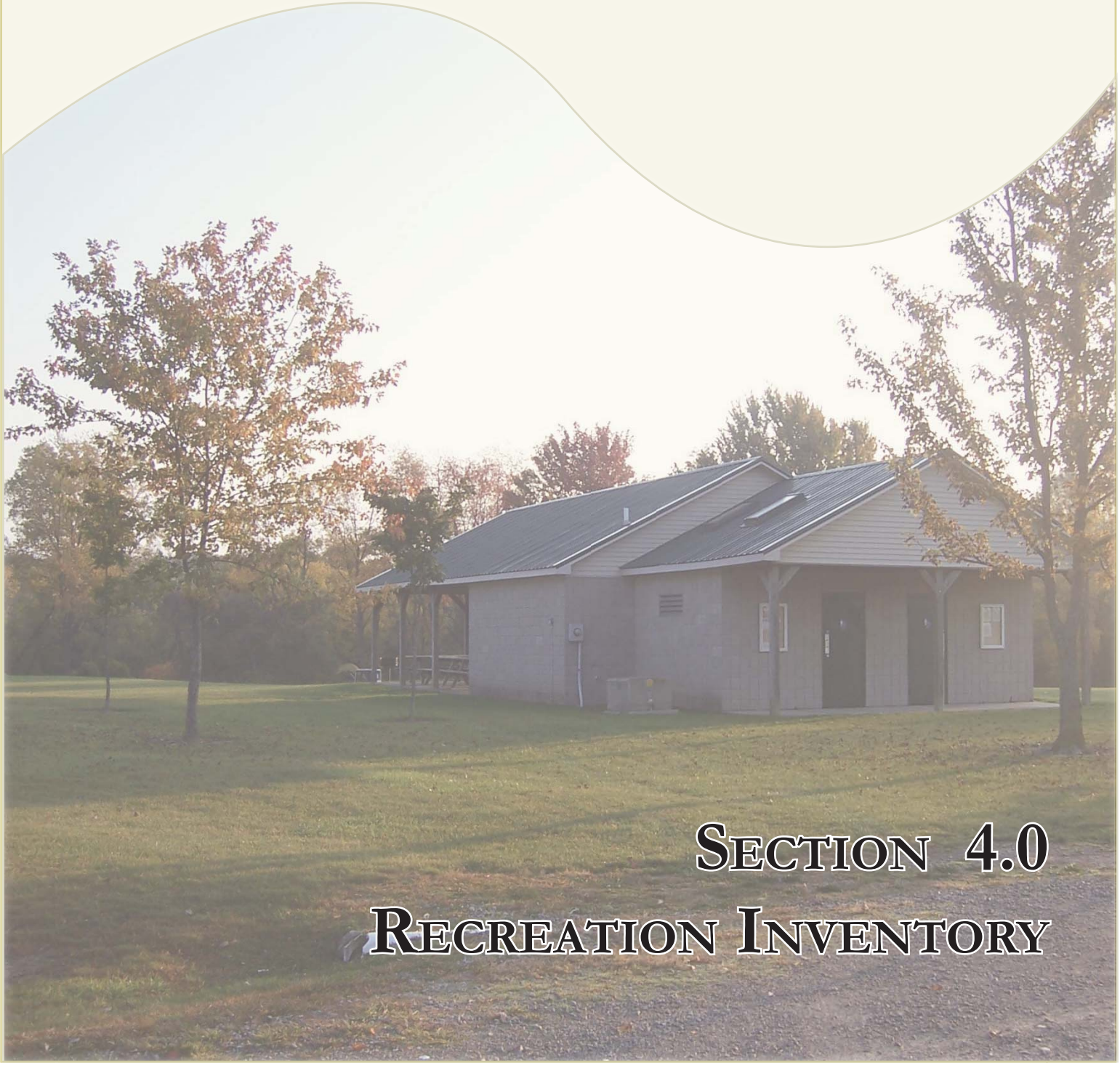
As the Township plans for the expansion of recreational facilities, there will be a corresponding need to accommodate the recreational needs of residents with disabilities. This will include designing park sites to accommodate persons with mobility limitations and offering programs that expand the range of opportunities for people who may otherwise have limited recreation opportunities.

Ethnic Characteristics

According to 2010 census data, 97 percent of the Township's 3,649 residents are white. The number and proportion of Township residents represented by other racial groups is shown in the table to the right. Persons of Hispanic origin, which may be members of any racial group, account for 1.4 percent of the Township's population. These percentages have been relatively stable over the last 10 years and are not expected to change greatly over the time frame of the Plan.

TABLE 13

ETHNICITY		
Category	Number	Percent
White	3,545	97.1%
Black	12	0.3%
Asian	16	0.4%
Multi Racial	14	0.4%
Other	10	0.3%
Hispanic	52	1.4%
Total	3,649	



Section 4.0
Recreation Inventory

INTRODUCTION

Numerous recreation facilities provided by several different organizations are available to Armada residents. Recreation providers include the State of Michigan, Huron-Clinton Metropolitan Authority, Macomb County, the Township, the Armada School District, and various private businesses. A description of these opportunities are provided as follows:

STATE PARKS AND RECREATION AREAS

Eighteen (18) State parks and recreation areas are located in the seven-county southeast Michigan region. These parks have a combined area exceeding 75,000 acres and provide a wide range of day use facilities. Common recreation opportunities available at these sites include hiking, swimming, fishing, boating, picnicking, camping, cross-country skiing and snowmobiling, among others. No State parks or recreation facilities are located in Armada Township. The only State park site in Macomb County is Wetzel State Park located in Lenox Township. Eight recreation facilities operated by the State are located to the west in Oakland County and are reasonably accessible to Township residents.

REGIONAL FACILITIES

The Huron-Clinton Metropolitan Authority (HCMA) operates more than one dozen regional recreation areas in southeast Michigan. These parks provide facilities for a wide range of recreational opportunities, which include picnicking, playgrounds, hiking, swimming, boating, fishing, golf, court games, cross-country skiing, ice-skating and sledding, among others.

Three HCMA parks are located in Macomb County: Stony Creek Metropark in Washington Township; Lake St. Clair Metropark in Harrison Township; and Wolcott Mill in Ray Township.

MACOMB COUNTY

Freedom Hill Park, located on the south side of Metropolitan Beach Parkway in Sterling Heights, is operated by the Macomb County Parks and Recreation Department. This 100± acre site has an events-orientation, featuring regularly scheduled festivals and concerts. A 10,000-square foot indoor recreation center is located on site. This building is available for group picnics, receptions, and other public purposes. The County has recently constructed an amphitheater onsite which provides a venue for numerous concerts during the summer months. A limited amount of other recreation opportunities are also available at this site, including cross-country skiing, basketball and volleyball.

The County has also been developing the Macomb Orchard Trail which traverses the entire northern portion of the County, extending from Shelby Township to the southwest to the City of Richmond at the northeast corner of the County. The trail has now been improved from Shelby Township to essentially the western boundary of Armada Township. Further, the City of Richmond has improved the portion of the trail extending into their boundaries.

GENESSEE
LAPEER
ST. CLAIR
MACOMB
OAKLAND
LIVINGSTON
WAYNE
WASHTENAW
MONROE
Lapeer State Game Area
Lakeport State Park
Metamora State Recreation Area
Ortonville State Recreation Area
Seven Lakes State Park
Holly State Recreation Area
Seven Lakes
Bald Mountain State Park
Wolcott Mill
Wetzel State Park
Stony Creek
Indian Springs
Pontiac Lake State Park
Algonac State Park
Highland State Park
Dodge No. 4
Metropolitan Beach
Kensington
Brighton State Recreation Area
Proud Lake State Park
Huron Meadows
Island Lake State Park
Pinckney State Recreation Area
Dexter Huron
Delfi
Hudson Mills
Maybury State Park
Chelsea State Game Area
Lower Huron
Willow
Oakwoods
Lake Erie
Sterling State Park

Lapeer County	Metal Detecting	Swimming	Michigan State Park Explorer Program	Beach House	Biking	Boat Launch	Boat Rentals	Cabins and Lodging	Canoeing
Metamora - Hadley Recreation Area	Y	Y	Y	Y		Y	Y		Y
Macomb County									
W.C. Wetzel State Recreation Area									
Oakland County									
Bald Mountain Recreation Area	Y	Y		Y		Y			Y
Dodge #4 State Park		Y				Y			
Highland Recreation Area	Y	Y		Y		Y			
Holly Recreation Area	Y	Y	Y	Y		Y	Y		
Ortonville Recreation Area	Y	Y		Y		Y			
Pontiac Lake Recreation Area	y	y	Y	Y		Y			
Proud Lake Recreation Area	Y		Y			Y	Y	Y	Y
Seven Lakes State Park	Y	Y		Y		Y			Y
St. Clair County									
Algonac State Park	Y		Y						
Lakeport State Park	Y	Y	Y						
Wayne									
Maybury State Park					Y				
William G. Milliken State Park and Harbor									

Lapeer County	Concession Store	Cross Country Skiing	Disk Golf	Dog Trail Area	Equestrian	Modern Restroom	Mountain Biking	Picnic Shelter	Picnic Area
Metamora - Hadley Recreation Area	Y	Y						Y	Y
Macomb County									
W.C. Wetzel State Recreation Area		Y							
Oakland County									
Bald Mountain Recreation Area		Y					Y	Y	Y
Dodge #4 State Park	Y	Y						Y	Y
Highland Recreation Area		Y		Y	Y		Y	Y	Y
Holly Recreation Area		Y	Y				Y	Y	Y
Ortonville Recreation Area		Y			Y		Y	Y	Y
Pontiac Lake Recreation Area	Y	Y			Y		Y	Y	Y
Proud Lake Recreation Area	Y	Y			Y		Y	Y	Y
Seven Lakes State Park	Y	Y					Y	Y	Y
St. Clair County									
Algonac State Park		Y						Y	Y
Lakeport State Park	Y							Y	Y
Wayne									
Maybury State Park		Y			Y		Y	Y	Y
William G. Milliken State Park and Harbor						Y		Y	Y

LOCAL RECREATION FACILITIES

Armada Township owns and operates a single 24-acre park located at the northeast corner of North Avenue and Armada Center Road. The east branch of Coon Creek crosses the property along the site's eastern boundary. The park is home to the Township's Senior Citizen Center. The site also contains two (2) baseball/softball diamonds and a gravel parking lot.

The Township has purchased a property to the southwest of the Village. This property has frontage along Armada Ridge Road and also has frontage along the Macomb Orchard Trail. The Township has developed a preliminary development plan for the property which includes play structures, a skate park, a soccer field and pathway connection to the Macomb Orchard Trail.

The Armada Area School District operates three school sites, all of which are located in or near the Village of Armada. Recreation facilities available at these elementary, middle and high school sites include assorted playground equipment, tennis courts, a baseball diamond, a football field, and a track. The locations of these school sites are shown in Illustration.

The range of other recreation facilities available locally to Township residents is limited. Those that are available are of a more specialized nature. For example, the Armada Fair Grounds site is located on Main Street near the Village's eastern boundary. The Fair Ground site is used most actively during the week-long "Armada Fair" scheduled each August for approximately the last 130 years. This fair draws visitors to Armada from across the County and region.

The Knight's of Columbus has constructed a hall located on North Avenue just south of the Village. This site is planned to include three (3) soccer fields, two (2) baseball fields, restroom facilities, basketball courts and a picnic pavilion. They will likely be available to Township residents within the near future.

Armada Township's numerous apple orchards, cider mills and other farming activities, also serve as a potential recreational or leisure-time attraction, especially during the autumn harvest months. No public golf courses are located in the Township. Many of the County's courses are located in surrounding communities such as Bruce, Washington and Ray Townships and are easily accessible to Township residents.

Township Park

Senior center
Baseball fields (2)
Covered dugouts
Bleachers
Restrooms
Maintenance building
Pavilion
Youth soccer (3)
Swingset

Village Park

Swingset
Ice rink (floodable)
Teeter

Amvets Hall

Small play structure
Maintenance building
Concession building
Full lighted field
Pavilion
Portable restrooms
Covered dugouts
Bleachers

Elementary School

Basketball courts
Play structures (4)
Swingset
Walking track
Soccer field
Youth baseball field

Junior High School

Basketball backboards
Soccer field

Senior High School

Football field (lighted)
Tennis courts (6)
Softball field
Baseball field
Track
Concession stand
Old softball field

Knights of Columbus

Soccer fields (3)
Youth soccer fields (2)
Portable restroom
Pavilion (attached to building)

Cable NEMC 6 Building / Macomb Academy Arts and Science

Small tot lot
Old basketball court
Swing set structure (2) – no actual swings
Old softball/youth baseball field

ADMINISTRATIVE STRUCTURE

Organizational Structure

Until 1970, the Armada Township Board, acting under the authority of Public Act 157 of 1905, functioned as the Township Recreation Board. In 1970, the Armada Area Recreation and Park's Board was created to provide recreation facilities and programs to residents in the Armada Area School District. The School District encompasses all of Armada Township and Village, as well as portions of Berlin, Bruce, Ray, Richmond and Riley Townships. The Recreation Board was organized under the Recreation and Playground Act (PA 156 of 1917).

The Recreation Board lapsed into a period of inactivity during the 1980's, during which time funding stopped and activities discontinued. In 1990, the governing bodies of the Township, Village and School District readopted the resolution creating the Recreation Board and appointed new representatives. The Board includes members from all three sponsoring organizations and four members of the community-at-large. Since 1990, many of the appointed Board no longer participated in the organization. The Village and School District no longer participated on a formal basis by contributing financially to the operation of the Recreation Board so the Recreation Board dissolved and the Township reestablished its own Recreation Commission. The Planning Commission makes recommendations to the Township Board in regards to recreation improvements and funding.

At one time, the Recreation Commission employed a part-time director who was responsible for coordinating recreation department activities and programs. That position was eliminated a number of years ago. All activities are coordinated by volunteers.

The Township sponsors a senior citizen recreation program, funded with Community Development Block Grant funds. This program offers a daily lunch program, bingo, field trips, instructional classes, and miscellaneous other activities. The Township constructed a new senior citizen building located at the Township park site.

Currently without a full or part time recreation director or administrator, the responsibilities of the Township's recreation planning lies with the Recreation Commission. The Recreation Commission can then make recommendations to the Township Board for expenditures of money and final approval of projects.

Volunteers for the community can report directly to either the Recreation Commission or the Township Board and then communication between the two boards can take place as appropriate. The Township relies heavily on volunteers since the Township does not have a recreation director and the Recreation Commission and Township Board don't operate on a day to day basis.

Other Organizations

Baseball and softball leagues are responsible for scheduling games at the two ball diamonds located on the Township Park site north of the Village. These leagues sponsor games for men, women and children. Maintenance activities on the ball diamonds have also been provided by the leagues.

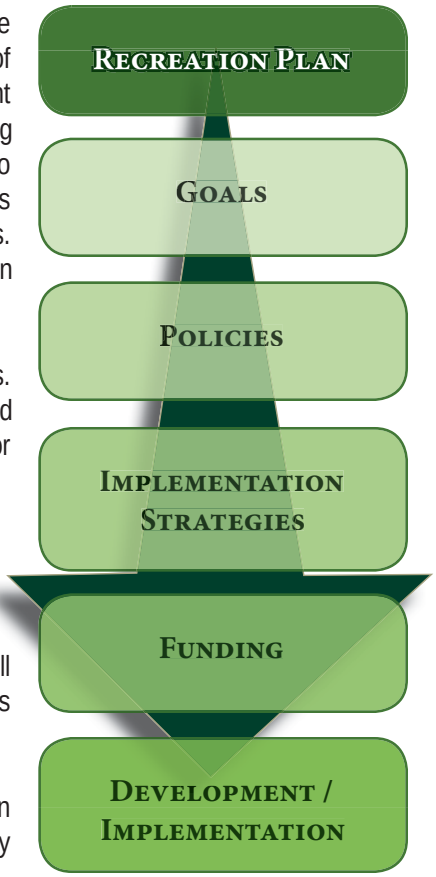
League tournaments are frequently held at the Township Park, attracting participants throughout the Thumb-area of the State and other parts of southeast Michigan. Funds raised through these tournaments are subsequently used to cover maintenance expenses.

Other recreation-related programs are offered by the Armada Community Enrichment Program of the Armada Area School District. Classes offered by Community Education include gymnastics, foreign languages and aerobic exercises, among others.

Section 5.0
Goals & Objectives

INTRODUCTION

In the broadest sense, a Recreation Plan should offer the community a series of guidelines or recommendations for making consistent and rational public decisions regarding the delivery of recreation programs and facilities. Goals and objectives, in the context of recreation planning, should be the guiding influence in determining the nature and extent of future park acquisition and development as well as administrative and programming actions. They should be idealistic to the extent that they provide a desirable condition to strive towards. However, in order to be reasonably capable of being achieved, the goals must be tempered by the recognition of financial, social, physical and political realities. Successful policy should further recognize the evaluation of the community's recreation system and the relationship of this system to relevant demographic characteristics.



Goals and objectives offer policy direction and the framework for recreation providers. The following policy statements reflect and attempt to address the Township's long and short-term recreation needs identified in the previous chapter. Specific methods for achieving these goals and objectives are described in the following sections.

GENERAL RECREATION GOALS

1. Enhance and increase the quality of life for Armada Township residents as well as the overall Armada community by providing a full range of recreation facilities and programs.

2. Avoid duplicating the development of public and commercial recreation opportunities that are available in the Armada Community and other nearby communities.

3. Cooperate with the School Districts, County, and other regional recreation providers in the delivery of recreation opportunities, facilities, and recreational routes to all Township residents.

4. Utilize the Township's existing natural features (woodlands, wetlands, topography and floodplains), for open space and recreation purposes.

RECREATION FACILITY GOALS

1. Reserve or acquire additional land in appropriate and accessible locations, needed to meet anticipated recreation needs and desired level of service for existing and anticipated future Township residents. Acquisition may come from donations, first right of refusal, tax reversions, outright purchase. Ideals locations would be adjacent to existing Township properties, along water courses or properties that otherwise preserve natural amenities and those properties which are within the planned higher density development areas of the Township.

2. Utilize appropriate planning and zoning techniques, encouraging developers and land owners to incorporate open space and recreation facilities into new development.

3. Provide adequate park and recreation space as an integral part of each development.

RECREATION FACILITY GOALS - cont.

4. Design future recreation facilities to minimize maintenance expenses utilizing Best Management Practices, sustainable design, etc.

5. Avoid duplicating the development of public and/or commercial recreation opportunities that are available in nearby communities.

6. Provide for a complete range of both active and passive recreation facilities.

7. Provide for the development of a non-motorized circulation system linking major activity centers, recreational facilities and school facilities.

8. Expand the range of equipment and facilities available at the existing Township park site.

9. Begin development of the new Armada Ridge Park site.

ADMINISTRATIVE GOALS

1. Continue to monitor and adjust program offerings to reflect changing recreation preferences and age characteristics.

2. Continue working with community groups to establish cooperative agreements for the protection, maintenance, development and use of the Township Park as well as future recreation sites.

3. Provide necessary future staffing and an administrative infrastructure to support the expansion of recreation opportunities.

4. Provide a consistent level of funding to support improvements to the Township's recreation facilities and programs and continued maintenance of parks.

JOINT RECREATION PLANNING

1. Pass Recreation Commission Resolutions and Township Board Resolution for the continued joint planning and programming effort; between the Township, the Village and the School District.

2. In working with the Village, understand that recreation facilities and properties within the Village are more conducive to small playgrounds and more cultural events, while the larger park sizes within the Township are more adapt to physical exercise uses and ball fields.

3. Adopt by reference and by inclusion the Armada Village Parks and Recreation Master Plan as an indicator of the joint working relationship for recreation.

4. Work to avoid overlapping programs and facilities within Township and Village programming and facilities through close communication between governmental agencies and parks and recreation administrators.

DEVELOP LINK SYSTEM

1. Determine if a "buy in" into the Macomb Orchard Trail is desirable for the Township. Further, it should also be determined whether both the Village and the Township have to "buy in" separately since the Village pays Township taxes in an effort to reduce costs to both the Township and the Village.

2. Determine where linkages are appropriate for Township, Village and school uses. Preliminary linkages should occur between all Township Parks, Downtown, the Macomb Orchard Trail, all school facilities.

3. Develop the linkage system extending to the three (3) schools as a safe routes to school possibly increasing funding possibilities through grants and the school district. The pathway would service the elementary, middle and high school complexes.

4. As future public or semi-public facilities are developed throughout the Township and the Village, incorporate pathway planning into the review process for the site to ensure that such facility is linked with the remainder of the Township system.

5. Develop a policy and requirements with the Planning Commission and Township Board for the utilization of complete streets for new developments and new roadway projects within the community.

DEVELOP AND UNIFY PARK USES IN EACH PARK

Township Park

1. Develop an additional baseball field at the current location of the soccer field. This can be developed once the existing soccer field is either moved to another location. (This may include the Knights of Columbus or Ridge Park). The development of certain amenities at Ridge Park at this time would need to also include improvements beyond the soccer field including entry drive, parking, potential restroom facilities etc.

2. Develop a means for providing a concession type facility (either temporary or permanent) at the park for "vendors" to sell refreshments, candy, popcorn, etc. It is not envisioned that the concession stand would provide actual cooking or warming facilities.

3. Develop a perimeter pathway around the exterior of the park which would also tie into the Township Senior Center, the Township Fire Hall and into the three schools to the east as well as the Village to the south.

4. Install lighting at the baseball fields to allow for additional users; allowing up to two sessions per night for baseball use. The cost for operating and maintenance for the lights can be addressed through an agreement with the Township and the baseball league.

5. Conduct an inaugural clean up of the River along the eastern property line of the Park as a part of River Type Day and then continue annual clean up days to maintain the River.

6. Continue to plant the park with trees and other shrubs. The planting of the trees will be increasingly important as the park continues to develop and if the baseball fields are lit to help provide screening and buffering from light and noise.

Ridge Park

1. Develop an entry way and parking area. This can be accomplished through a temporary entrance and parking area along the roadway or in conjunction with the Macomb Orchard Trail and Macomb County. Parking for the park could also serve as a trailhead for Macomb Orchard Trail. This would also require a pathway connection from the front of the site (parking area) to the rear of the site (Macomb Orchard Trail access).

2. Develop an outdoor classroom / learning center at the rear wooded portion of the site. This can accessed via the Macomb Orchard Trail as well as by the proposed parking area off of Armada Ridge Road.

3. Develop a nucleus of soccer fields which can serve as fields for all age groups as well as be utilized for tournaments. The fundraising and development of these fields can be done in conjunction with AYSO, North Macomb Soccer Association, as well as the Township and the Village.

4. Develop a pavilion or other shelter type structure as a gathering area for both users of the Park as well as those persons utilizing the Macomb Orchard Trail. Such pavilion would house picnic tables or other similar seating areas and would like be constructed near the rear of the property to allow multiuse.

5. Acquire properties proximate to the Armada Ridge Park to provide a more usable property configuration for the park.

Section 6.0
Recreation Needs

PARKS AND RECREATION NEEDS

Local/Close to Home Space

Community Parks - These parks are frequently areas of diverse environmental quality and may include areas suited for intense recreational facilities, such as athletic complexes and large swimming pools. They may also feature an area of natural quality for outdoor recreation activities, such as walking, viewing, sitting and picnicking. Community parks are intended to serve several neighborhoods located within a one to two-mile radius and should be easily accessible to these neighborhoods. Community-wide recreation needs are examined by comparing anticipated recreation needs to the availability of existing Township or school-operated facilities. Ideally, community parks should be provided at a ratio of between five (5) and eight (8) acres per 1,000 persons.

As documented in the Recreation Inventory Chapter, land available for recreation purposes in Armada Township is provided at one developed Township park site, one undeveloped park site and three school sites. These sites collectively occupy approximately 148 acres of land. Of these five (5) facilities, only the 24-acre Township park site is available exclusively for recreation purposes. Significant portions of the three (3) school sites are committed to other purposes (building, parking, etc.) that have limited recreational value. As a result of this, the quantity of usable recreation land is reduced accordingly.

Based on the 2010 Census results, Armada Township and Village had a combined population of 5,379 persons. Projections from the Southeast Michigan Council of Governments expect a population of nearly 5,306 persons for 2040 for the Township and Village. Applying these projections to the previously recommended planning standards for community parks yields an existing acreage need of between 26.5 and 42.4 acres. On the basis of existing sites currently available for outdoor recreation purposes and the anticipated future demand based on projected population increases, there is not a need for additional land for community park sites in the Township. The Township has the ability to provide fifty two (52) acres of community park site between the existing park site and the Township property on Ridge Road, therefore meeting the accepted standard.

Planning Standard	5-8 Acres per 1,000 Residents	Projected Number of Acres Required	Current Acreage (Township Parks Only)	Park Acreage Surplus or Deficiency
2010 Population (Township and Village Combined)	5,379	27 - 43.2	52	+ 8.4 - 25 Acres
2040 Projected Population (Township and Village Combined)	5,306	26.5 - 42.4	52	+ 9.6 - 25.5 Acres

Neighborhood Parks - The need for neighborhood parks in Armada Township must be evaluated in relation to the low density residential development pattern that characterizes the community. The Township has a dispersed pattern of residential development without any evident concentration of homes in a well-defined neighborhood.

No significant changes to this pattern are contemplated in the foreseeable future. When the Township begins to develop their planned sewer and water area, the Recreation Plan will need to address additional park needs in that area based on an increased number of persons and households. When such a pattern emerges, there may be a need to provide smaller neighborhood-oriented recreation sites to serve these neighborhoods. Until such time as this occurs, however, there does not appear to be sufficient demand to support the development of neighborhood park sites in the Township.

Regional Space - The requirements for regional or metropolitan park space do not truly apply to Armada Township since the Township is not large enough to require such a facility (desirable size of 200+ acres). The needs for regional or metropolitan parks is satisfied by Wolcott Mill to the south and Stony Creek to the southwest.

Facility and Equipment Needs

Based on a review of current recreational standards published as a part of the guidelines for Recreation Planning by the MDNR, the number and type of recreational facilities available to Township residents indicates the Township lacks very few facilities. However, many of these facilities are found on School District properties as a part of the Armada School District sports programs may utilize the facilities and they may not be readily available to Township residents at all times. In addition, due to the joint planning efforts supported by the Township and the Village, the Village's park space has also been counted towards meeting these standards. Therefore the need to establish and maintain working relationships with both the School District as well as the Village are a necessity to help provide recreational opportunities to Township residents at a rate as recommended by national standards.

Recreation Facility	Standard (1 Per Unit of Population)	Semcog 2040 Population (Township Only)	Current Number	Needs	Surplus/Deficiency
Basketball Court	5,000	3,575	3	0.7	2.3
Ice Hockey	100,000	3,575	1	0.0	1.0
Tennis	5,000	3,575	6	0.7	5.3
Volleyball	5,000	3,575	0	0.7	-0.7
Baseball	5,000	3,575	5	0.7	4.3
Football	20,000	3,575	1	0.2	0.8
Soccer	10,000	3,575	7	0.4	6.6
Golf Driving Range	50,000	3,575	0	0.1	-0.1
Running Track	20,000	3,575	1	0.2	0.8
Softball	5,000	3,575	2	0.7	1.3
Multi Recreaiton Court	10,000	3,575	0	0.4	-0.4
Trails	Region	3,575	1	1.0	0.0
Golf	50,000	3,575	0	0.1	-0.1
Swimming Pools	20,000	3,575	0	0.2	-0.2

Section 7.0
Public Input

PUBLIC INPUT

The Township held an initial public input meeting on September 5, 2012. This meeting was advertised in the local newspaper and was also posted at Township Hall. There were no comments provided by the those members of the audience.

The Township conducted a second public input session in December of 2012 at their regularly scheduled meeting of the Planning Commission. This meeting was advertised in the local newspaper and was also posted at Township Hall. There were no comments provided by the those members of the audience.

The Plan was available for its month long review period from early december til its adoption on January 9, 2012.

The Township held a final public hearing in front of the Township Board of Trustees. This meeting / public hearing also served as the final public hearing prior to adoption of the Plan, meeting the requirements for Plan adoption by the Michigan Department of Natural Resources. The meeting was held January 9, 2013.

Copies of all three sets of minutes are included as a part of the appendix.

Section 8.0
Action Plan

PARK IMPROVEMENTS

The Township's main function for Parks and Recreation is the improvement and ongoing maintenance of the Township's current park site. The Township does not provide formal programs or leagues through the Township's Parks and Recreation Commission. Therefore the focus of the Recreation Master Plan is the continued development of the Township's current park site, the future development of the Ridge Park site and finally, the potential acquisition of other park sites.

As a part of the recreation planning process, input was taken for park improvements at the Township's public input sessions as well as at its regular Commission meetings. The basis of improvements however, came from the Township's Parks and Recreation Administrator as a result of his conversations with current users of the park, the leagues and programs within the Township, as well as his own ideas and concepts. These inputs were all reviewed by the Commission and the following list of improvements was derived.

TOWNSHIP PARK

Currently Armada Township maintains one developed park site within its boundaries. This park site provides a multitude of activities ranging from baseball and soccer fields, minor play structures, to the Township's Senior Activities Center.

Work Completed Since the Adoption of the Last Master Plan

The Township accomplished most of the listed Main Priority Items listed in the previous Master Plan. These items included, flag and flagpole installation, a new permanent sign for the park entrance, and a picnic area with picnic tables and bar-b-ques. The Township also developed portions of the wood chip path along the Creek as well as installed lockable storage units within the existing storage facility. These last two improvements were listed as a medium priority tasks.

Priorities

This Parks and Recreation Plan developed by the Commission suggests a number of new and continued improvements for the site. These improvements were ranked by the Commission as to their importance and priority for implementation (based on available funding).

Main Priority -

The improvements which were deemed as the most important additions to the park were the following: Regravel and Scrape Existing Parking Area, Tree Removal and River Clean Up to North and East of Pavilion for Creek Access, Develop Drainage along South Side of Entrance Drive.

Regravel and Scrape Existing Parking Area - The Commission determined that the current condition of the parking lot and driveway for the park area was in need of attention to remove potholes and overall level the parking area. The parking lot was down a number of years ago and scraping will likely resolve most issues but some additional gravel will also likely be necessary.

Tree Removal and Creek Clean Up. The Creek at the northeast corner of the site is one of the most significant attributes of the park. However, access to the Creek is limited. A top priority is to clear out a segment of trees and brush to the north and east of the pavilion to provide access to the Creek. It is envisioned that the clean outs would become annual events to ensure access is maintained as well as to provide a community day for residents.

Drainage Along South Side of Entrance Drive. The existing drainage configuration on the south side of the entrance drive is not functioning properly and leaves standing water between the playing field and the parking area making it difficult for park users to cross and creates areas where ruts are created by parking vehicles. Additional drain tile can be added which would allow the south side to drain potentially to the north side of the parking lot then down to the Creek (this would require traversing the parking lot with drain tile).

Medium Priority -

The improvements which the Commission ranked of medium importance included the following: Development of the skate park, Development of a Playscape, Pouring Cement Pads for the Placement of the Existing Bleachers, Spreading the Existing Mulch/Wood Chips Along the Coon Creek Pathway.

Development of the Skate Park - The Township has been in support of the grass roots effort to create a skate park within the Township's main park. The Armada Board and Bike group has been collected funds for the development of the park and has already had professional drawings prepared and presented for approval by the Township. The skate park will be located immediately to the north of the Fire Department, south of the park parking lot.

A substantial playscape was deemed necessary to help provide a more rounded park which would continue to allow activities for all ages. The playscape would be located near the central portion of the site to maintain safe distances from exterior property lines of the park and provide the most visibility to the structure within the park.

The Commission also determined that cement pads for the placement of the existing bleachers on the site would also be necessary. This will allow for the bleachers to be placed level, while allowing the bleachers to be anchored to the cement pad.

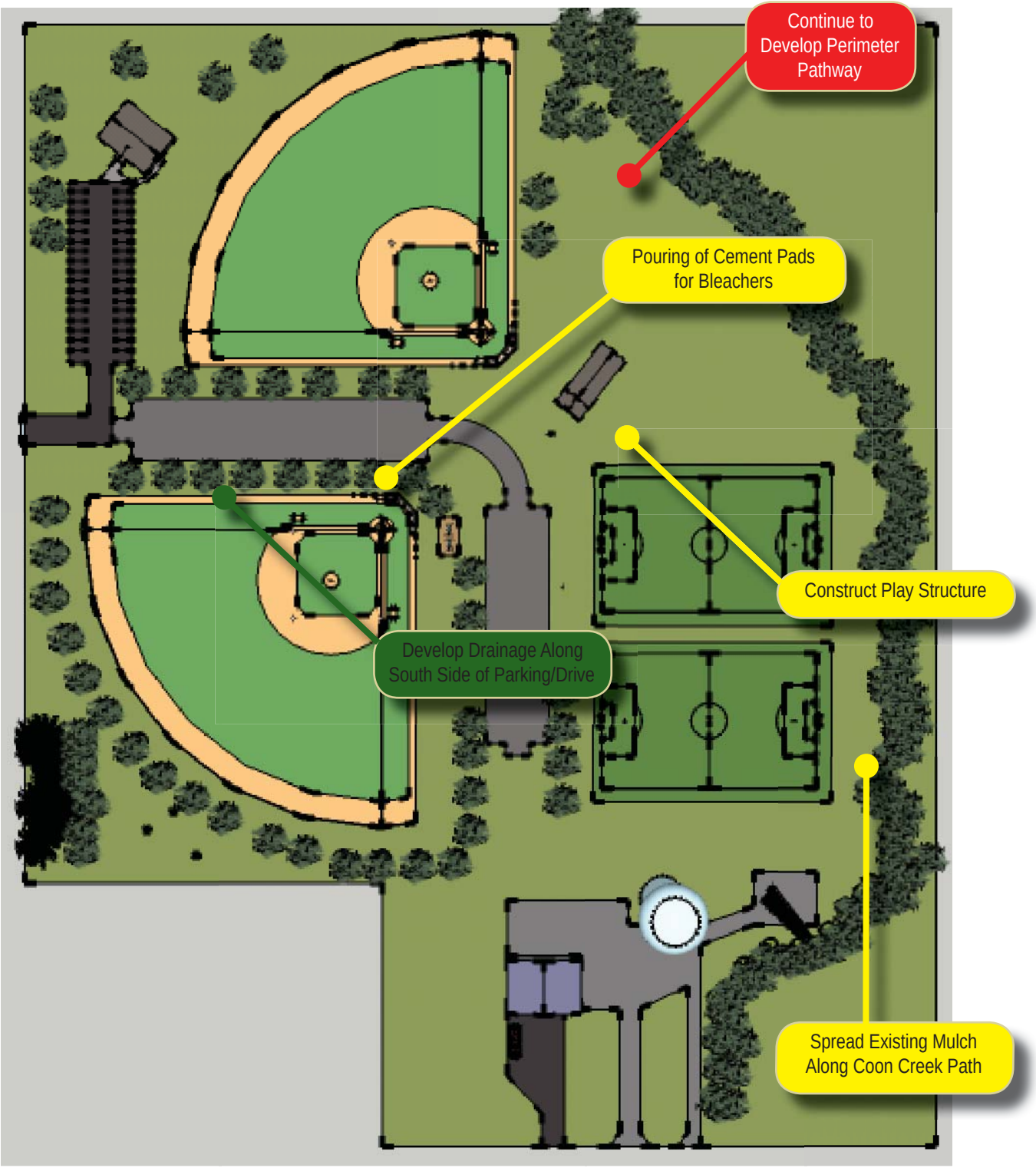
Spreading Mulch and Wood Chips Along Coon Creek Path. The Township has accumulated a large amount of mulch and wood chips which can be utilized to improve the Coon Creek Path which has been an ongoing project for the last several years. This project will provide additional access to the Coon Creek in coordination with the tree and brush removal project noted above.

Low Priority -

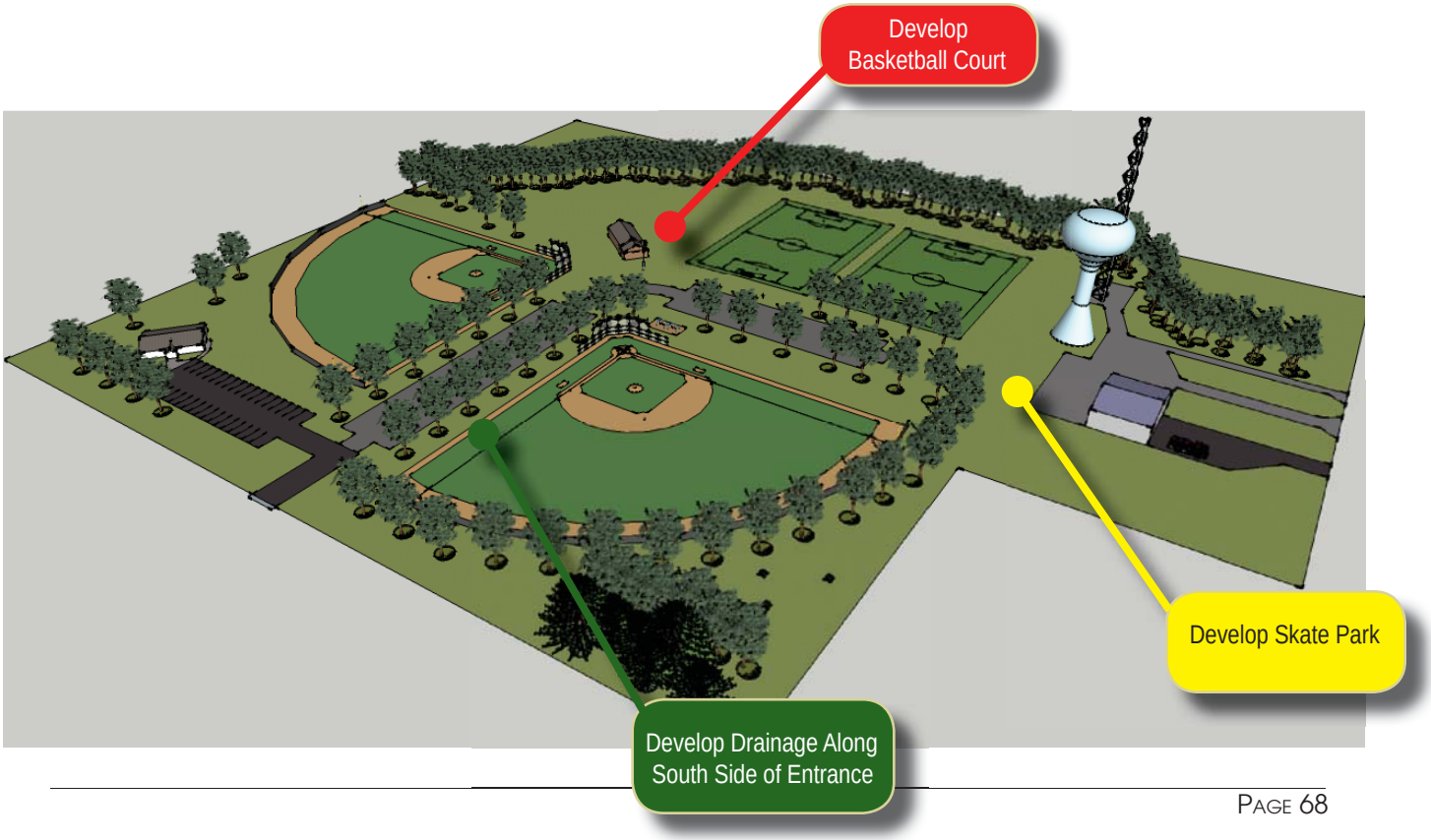
The third set of improvements deemed necessary for the current park include the following: Development of a Basketball Court and the Continued Develop and Expand the Perimeter Pathway.

The development of a basketball or sport court was deemed necessary from user polling as provided by the Parks and Recreation Administrator. The court area would be proximate to the existing accessory structure on the site. It is envisioned that this court would be a half court or other configuration of similar size.

The perimeter trail or pathway system was deemed as a necessity for not only providing a dedicated walking/jogging pathway within the park but also for the planned connection to the School District to the east and the south as well as to the overall Village system to the south. This would provide connectivity between the three (3) main entities of the Community (Township, Village and School District). It is envisioned that this pathway will be constructed in typical fashion, eight (8) to ten (10) feet wide asphalt on a proper base.



Tree Removal and River Clean Up
to North and East of Pavilion
Regravel and Scrape
Existing Parking Lot


Develop
Basketball Court
Develop Skate Park
Develop Drainage Along
South Side of Entrance

ARMADA TOWNSHIP PARK			
Priority	Improvement	Cost	Description
High	Re-gravel and Scrape Existing Parking Area	Approximately $2,000 per inch of gravel necessary.	The existing parking and maneuvering area is in need of grading and resurfacing (gravel) to provide a more suitable parking surface.
High	Tree Removal and River Clean Up to North and East of Pavilion	Approximately $5,000 to $10,000 for professional tree removal Volunteer labor for remainder of work necessary.	One of the parks greatest potential assets is the Creek, however access to the Creek within the Park is limited. The removal of trees and debris in the area north and east of the pavilion will provide access to the creek and allow further cleaning of the damns currently located in the creek.
Medium	Develop Recycling Program at Park	$1,000 (signs, bins, etc.) Volunteer labor for remainder of work.	During the summer months, the park has extensive trash from usage and large amounts of water bottles and pop cans. In an effort to leave a smaller "footprint" and become green a recycling program is desired.
High	Develop Drainage along South Side of Entrance Drive	Approximately $5,000	The shallow swale along the south side of the parking area has limited drainage The installation of drain tile and a drainage pipe leading to the north side of the drive may address the issue.
Low	Continue to Develop and Expand Perimeter Path	Approximately $25,000 for 1/2 mile of paved pathway.	The long term plan for the park envisions a paved walking trail along the perimeter of the park and throughout the baseball fields and pavilion area, also connecting the senior center.
Medium	Spread Existing Mulch/Wood Chips Along the Coon Creek Path	Approximately $2,000 for machinery. Volunteer labor for remainder of work.	Currently the Township has material to be spread along the trail area, however, weed preventative and equipment to spread the material are needed.
Medium	Pour Cement Pads for Baseball Bleachers	Approximately $2,000 per pad.	To create a more stable platform for the bleachers as well as create a method of locking the bleachers down.
Medium	Construct Play Structure	Approximately $40,000	Play structures/activities at the park are currently limited and the development of a play structure would provide additional opportunities.
Low	Develop Basketball Court (sport court)	Approximately $20,000	A basketball court located at the park would provide another physical activity area.
Medium	Develop Skate Park	Approximately $150,000 Volunteer labor for remainder of work.	Integrate in plans developed by Armada Bike and Board for the skate park near existing Fire Department building.

Armada Ridge Park

During the time frame of the previous Recreation Master Plan the Township purchased approximately twenty eight (28) acres of land to the west of the Village of Armada. This property is located on the south side of Armada Ridge Road approximately one (1) mile west of the Village boundary.

The property is split by the Macomb Orchard Trail which creates two (2) properties, the northern piece being approximately seventeen (17) acres and primarily farmland while the southern piece is approximately eleven (11) acres in size and is primarily woodlot. The property has approximately two hundred and fifty (250) feet of frontage and is nearly two thousand feet deep to the Macomb Orchard Trail.

The northern portion of the property has several long term uses which have been considered. This includes a Township Park, a future Township Hall or Fire Department site, as well as a Trailhead for the Macomb Orchard Trail. These uses have all been integrated into an overall concept plan for the development of this property.

The frontage of the property remains vacant with the concept of the frontage being utilized for either Township Hall and/or Fire Hall purposes. As the need for a new Township Hall becomes more necessary and financially feasible, specific plans for the site as well as building will need to be developed.

The Township Planning Commission which again, also develops the Township's Recreation Plans developed the concept plan through public input sessions, public meetings and much debated amongst Commissioners. The property being currently vacant must be developed from the ground up. This includes access to the property, parking and maneuvering lanes and the like, regardless of the type of use proposed.

Therefore, the first improvements planned for the site are access to the site which will include a drive approach approved by the Macomb County Department of Roads. This will likely include some form of acceleration and deceleration lanes along the south side of Armada Ridge Road. The maneuvering lane onto the site would also be constructed as a part of this initial investment. The extent of the maneuvering lane will vary greatly depending on the participation of Macomb County in providing access to the Trail. If the County does not participate the maneuvering lane and associated parking will likely terminate closer to the entrance to the site and then access to the Trail would be afforded via a trail extension. If the County participates, the maneuvering lane and parking area could likely be extended to the rear of the property, closer to the trail servicing both the planned park improvements as well as the Trail directly.

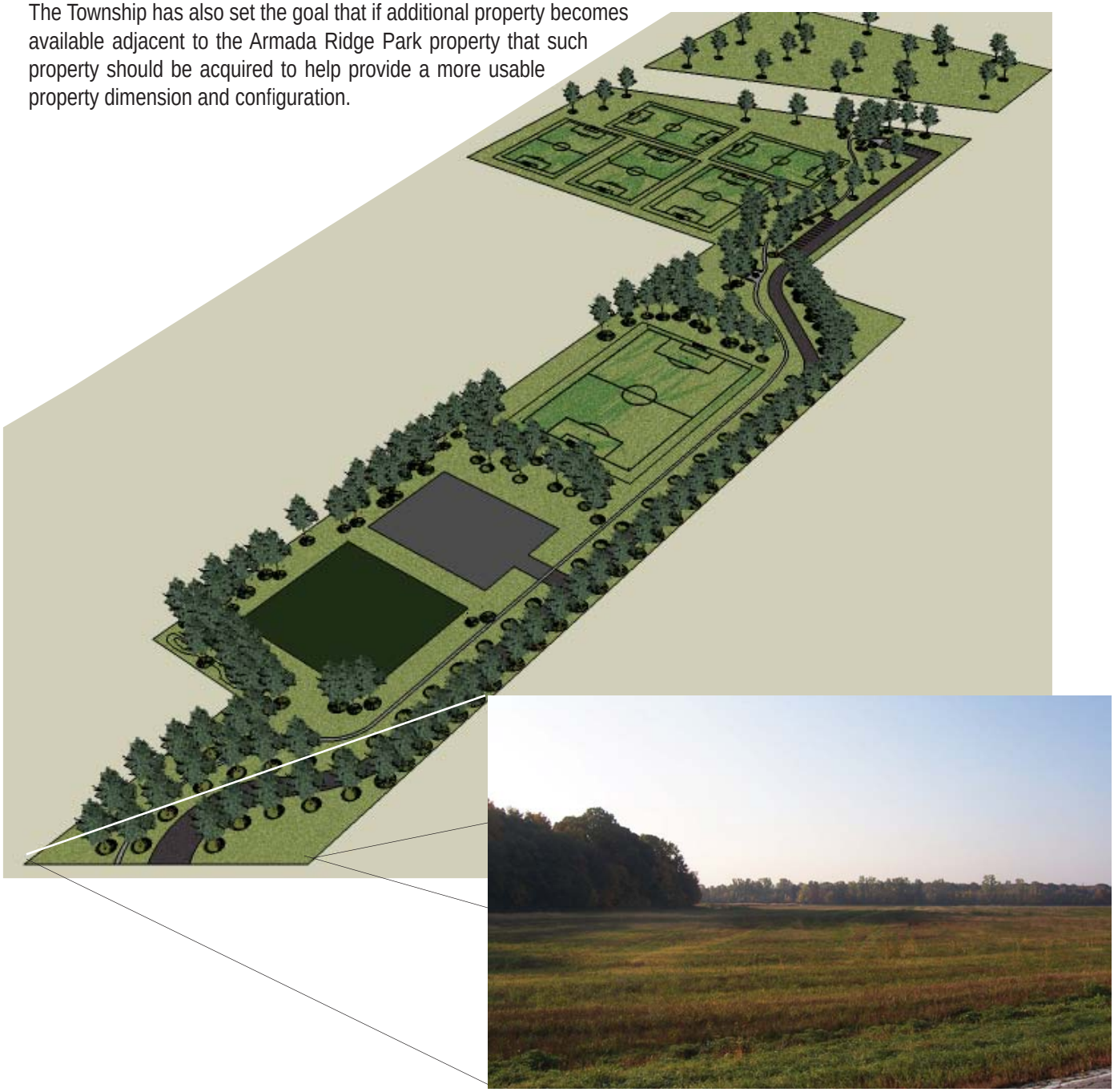
The Commission envisions this park being the main future area for soccer games within the Township, while the current Township Park will be the main baseball/softball area. It is envisioned that this property could contain a number of soccer fields ranging in size from full size to U6 to U12 size. When these fields are developed, the current fields at the Township Park can be converted to an additional baseball field.

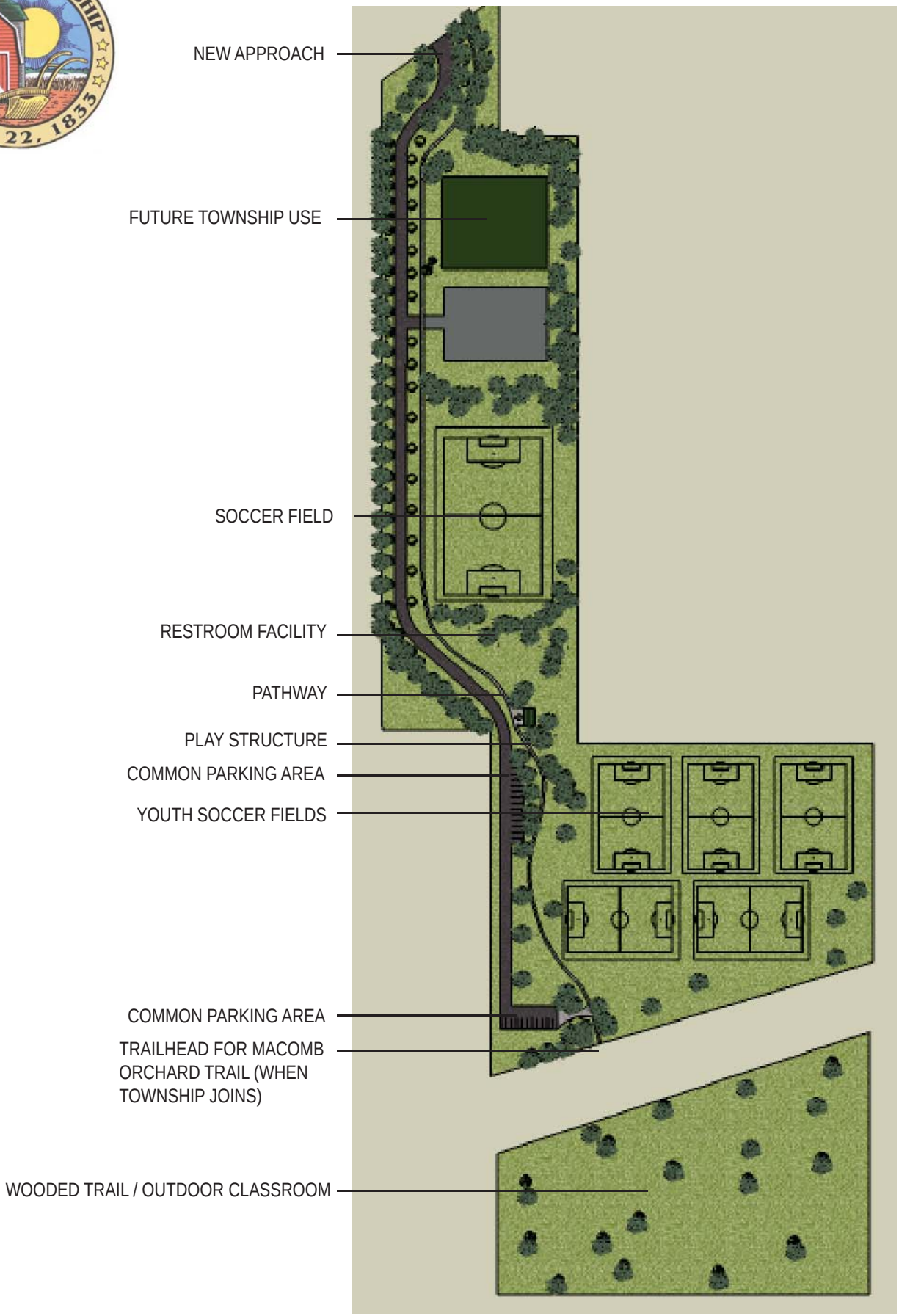
The Commission also determined that a picnic area along with restrooms would also be necessary at the site. This is planned to occur at a central location on the site and would service all users of the site including soccer users, Macomb Orchard Trail users, etc.

Finally, the plan also calls for the construction of a tot lot area as well as a child playground. Again, this area is planned for a central location to be accessible for all users of the park.

The southern portion of the property is planned for outdoor trails as well as interpretative outdoor classroom. The woodland provides habitat for a number of animals and vegetation which can be viewed by both children within the School District as well as the general users of the park. Improvements to this area would include clearing of pathways within the woodland area and the creation of a woodchip path. Further, tree and vegetation types should be labeled as to their common and scientific name and interesting facts regarding each could also be provided. This can be accomplished through either the School District, Master Gardner program or Extension services.

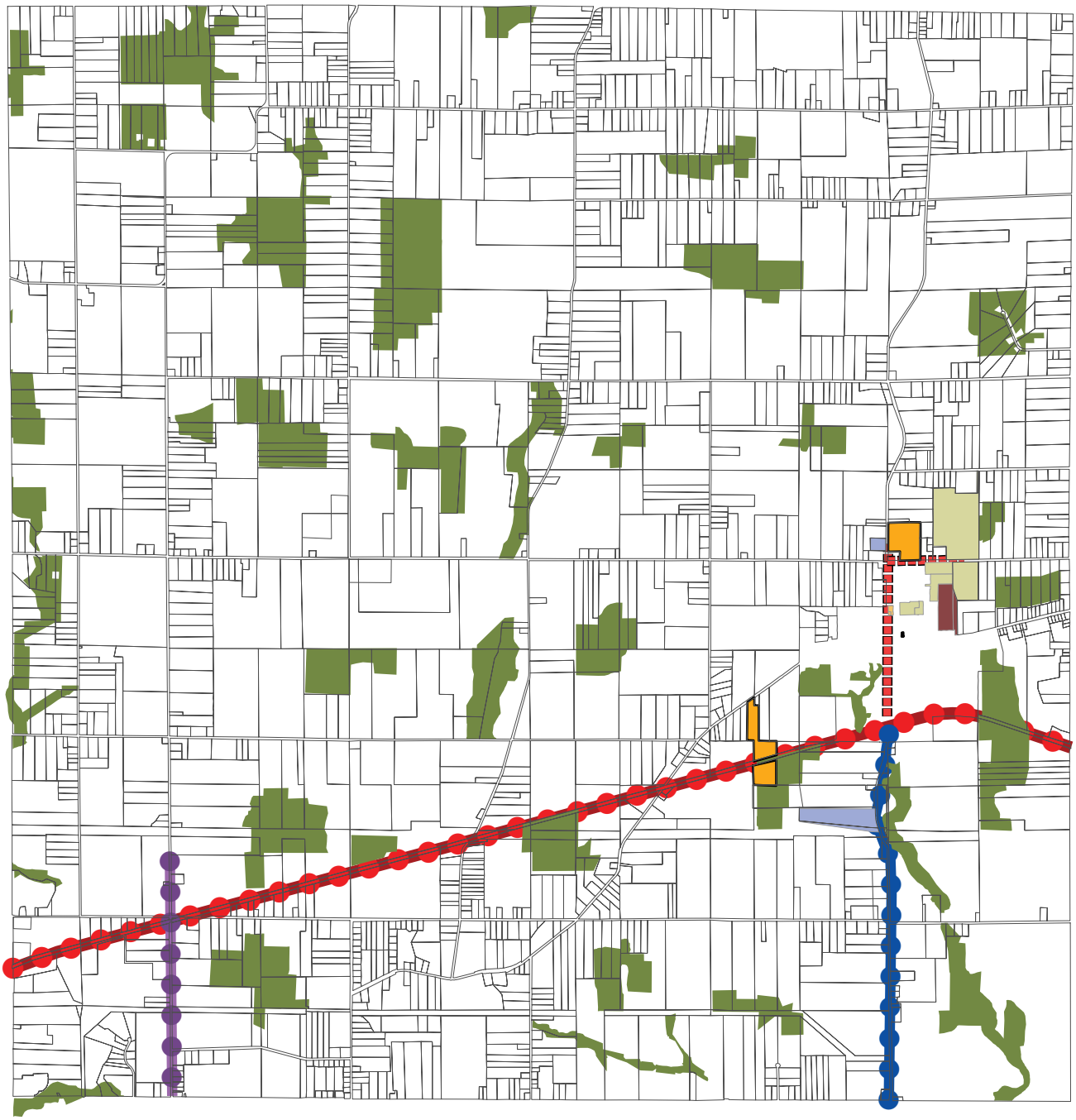
The Township has also set the goal that if additional property becomes available adjacent to the Armada Ridge Park property that such property should be acquired to help provide a more usable property dimension and configuration.




NEW APPROACH
FUTURE TOWNSHIP USE
SOCCER FIELD
RESTROOM FACILITY
PATHWAY
PLAY STRUCTURE
COMMON PARKING AREA
YOUTH SOCCER FIELDS
COMMON PARKING AREA
TRAILHEAD FOR MACOMB ORCHARD TRAIL (WHEN TOWNSHIP JOINS)
WOODED TRAIL / OUTDOOR CLASSROOM

ARMADA RIDGE PARK			
Priority	Improvement	Cost	Notes
1	Develop Entryway as well as Temporary Parking Area Along Armada Ridge Road	Approximately $50,000 (gravel plus site work)	As an interim measure to gain access to the site work the Macomb County Department of Roads to establish a curb cut and potential temporary parking area for access to the site and Macomb Orchard Trail
2	Develop Permanent Entryway and Entry Drive	Approximately $50,000 (If Bypass or extended acceleration or deceleration lanes are necessary the cost would increase)	As the Township develops the main improvements to the site (soccer fields, future Township facilities, restrooms, etc., the permanent parking area and driveway should be constructed.
3	Maintain Area for Future Township Use	No Cost	The front portion of the site (long term) will be reserved for Township use which may include Township Hall, Fire Station, or other necessary Township Facilities.
4	Maintain and Develop Area for Soccer Fields	Approximately $10-20,000 (site work and field development)	It is intended that this park will become the Township's main soccer field area when developed, allowing the current soccer field(s) located at Armada Township Park to be converted to baseball/softball fields.
5	Develop Restroom Facilities	Approximately $60,000	The development of the restroom facilities will also require the development of a septic field area as well as a well unless a composting type facility is utilized.
6.	Develop a Pavilion or Roofed Structure	Approximately $30,000	Develop a pavilion or other shelter type structure as a gathering area for both users of the Park as well as those persons utilizing the Macomb Orchard Trail.
7	Construct Play Structure	Approximately $40,000	To provide additional play opportunities at the park, a play structure should be developed.
Anytime	Property Acquisition	Unknown	The Township has also set the goal that if additional property becomes available adjacent to the Armada Ridge Park property that such property should be acquired to help provide a more usable property dimension and configuration.

Recreational Plan



Township Parkland
Village Park
School
Semi-Public
Fairgrounds

MACOMB ORCHARD TRAIL
CONCEPTUAL TRAILWAY
PLANNED TRAILWAY
PLANNED OFF ROAD TRAILWAY
PLANNED CONNECTOR THROUGH VILLAGE

IDENTIFIED NATURAL FEATURE (MNFI)

COST ESTIMATES

The following cost estimates are provided for the projects identified by the Recreation Commission. These are estimates based on general planning and actual costs may actually differ based on bids received.

Perimeter Pathway	$50 per linear foot, benches $300 ea.
Cement Pads for Bleacher	$2,000 per pad
Basketball Court (1/2 Court)	$15,000
Playscape	$35,000
Coon Creek Pathway	$500
Additional Soccer Bleachers	$2500 ea.

PATHWAY PLAN

The Township has planned for several pathways to provide connections to existing park or public facilities or to other planned pathway or park facilities. These include the following:

Romeo Plank Pathway - This pathway is planned to provide connection between the Township property owned north of 33 Mile Road, to the Macomb Orchard Trail and to the south into Ray Township and a planned extension from the HCMA Wolcott Mill Metropark.

North Avenue Pathway - This pathway provides an extension from the Village of Armada and the Macomb Orchard Trail to the south into Ray Township.

Planned Connector Through the Village - This planned connection will provide continuous sidewalk/pathway from the Township Park and Senior Center to the north of the Village through the Village (and the Village's Park to the North Avenue Pathway noted above. This pathway would also have a tie in with the three (3) Armada schools located on Armada Center at the northern end of the Village.

The Township has amended its Zoning Ordinance to require developments to provide for an eight (8) foot wide pathway along the road right of way. This should provide the Township with segments of pathway as the Township continues to develop. The gaps within these pathways will then need to be completed by the Township to provide the final connections.

Pathway Connections

Principle 1
The Township wishes to connect all of the major public properties within the Township with a pathway system.
This includes
The Township Park
Armada Ridge Park (future)
Vacant Property on Romeo Plank (north of 33 Mile)
Macomb Orchard Trail
Knights of Columbus
Downtown
Village Park
Armada School Campus

The pathway system may include utilizing the Macomb Orchard Trail, Separate Paved Pathways along the designated roadways, Share the Road concepts (where appropriate)

Roadways where pathways are desired at a minimum:

Roadway	From	To
Romeo Plank	32 Mile Road	Township Property (north of 33 Mile Road)
North Avenue	32 Mile Road	Township Park (north of Village of Armada)
Armada Center	North Avenue	Armada School Campus

ADMINISTRATIVE

Township Recreation Department

One factor limiting further Township improvement in providing a wider range of recreation services is the absence of permanent or dedicated recreation staff. The Recreation Plan, therefore, recommends that the Township establish a Recreation Department, with a Director responsible for organizing the delivery of recreation programs/activities and coordinating these with programs offered by other organizations. Given the size of the Township, this position could probably be effective on a part-time basis and expand as the scope of recreation services grows. Until the position is developed, the Township Planning Commission and Township Board act on necessary items.

Further, the Armada Community Enrichment Program (ACEP) currently provides the Township with parks and recreation opportunities under the umbrella of the Armada School District. The development of any Township Recreation Programs or facilities should be carefully coordinated with this program to ensure that duplication is avoided. The Township either through the Township Board or through the development of a Recreation Department should seek to provide parkland for the complementary activities such as baseball and soccer fields, walking paths and skate parks.

Typical duties and responsibilities for the Department or Director are suggested as follows:

- Supervise the work of department secretarial and clerical support staff.
- Plans, organizes, implements and directs all recreational and related educational programs.
- Maintains a current level of knowledge of changes and developments in the recreation field by attending professional meeting and reading professional publications.
- Develops, monitors and authorizes expenditures of the departmental budget. Approves all purchase orders and claim vouchers.
- Reviews daily cash receipts and other revenues and expenses from all programs.
- Determines staffing needs. Responsible for overall recruiting, hiring, orientation, training, scheduling and evaluation of all regular and seasonal departmental personnel.
- Reviews and approves park rentals.
- Prepares various reports and cost analyses of all department functions.
- Prepares the recreation schedules and publications. Writes press releases in order to publicize recreational programs.
- Interacts with community members, Township departments and outside agencies in order to answer questions, resolve problems and to coordinate efforts. This includes coordinating programs sponsored jointly by the Township, Village and School District. The Director will also serve as a liaison between the Township and private sports leagues. Makes presentations and speeches to various civic organizations.

Recreation Commission Liaison

Until such time that either a full or part time Parks and Recreation Administrator can be staffed by the Township, it is the recommendation of the Parks and Recreation Master Plan to create a Recreation Commission Liaison to the Township Board. This position would be an appointed position and would aid the current Parks and Recreation Administrator (volunteer) in working with and bringing issues to the Township Board. This position would report jointly with the current Parks and Recreation Administrator to the Recreation Commission the actions of the Township Board as well as the current issues with recreation in the Township. This position would increase communication between the two (2) Boards as well as reduce the overall burden on the Township's volunteers.

The Recreation Liaison position should be appointed on an annual basis. Some of the specific responsibilities of the position are as follows:

- Help to review and convey to the Township Board the budget needs for recreation improvements as compared to the projects contained within the adopted Recreation Plan.
- Help promote all Township recreation projects,
- Work to coordinate recreational efforts within the Village of Armada.

The work of the Recreation Liaison should be administered through and closely coordinated with the Township's Recreation Commission.

Appendix

Plan Checklist

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
LANSING

RICK SNYDER
GOVERNOR

KEITH CREAGH
DIRECTOR

March 13, 2013

Mr. Christopher P. McLeod, AICP, PCP
Principal Planner
Community Planning & Management, P.C.
30464 Twenty-Three Mile Road
Chesterfield Township, MI 48047

Dear Mr. McLeod:

SUBJECT: Armada Township Recreation Plan

Please find attached your copy of the recreation plan checklist recently submitted to our office for approval. Your recreation plan has been approved.

Your recreation plan will expire December 31, 2017.

If you have any questions, please feel free to contact me. Our address is: **Grants Management, Department of Natural Resources, P.O. Box 30425, Lansing, MI 48909-7925**.

Sincerely,

Tamara Jorkasky, Grant Coordinator
Grants Management
517-335-7306
jorkaskyt@michigan.gov

TJ:lh
Attachment
cc: Ms. Mary Swiaki, Armada Township

APPENDIX H. COMMUNITY PARK, RECREATION, OPEN SPACE AND GREENWAY PLAN CERTIFICATION CHECKLIST

Michigan Department of Natural Resources - Grants Management

COMMUNITY PARK, RECREATION, OPEN SPACE, AND GREENWAY PLAN CERTIFICATION CHECKLIST

By Authority of Parts 19, 703 and 716 of Act 451, P.A. 1994, as amended, submission of this information is required for eligibility to apply for grants

INSTRUCTIONS: Complete, obtain certification signatures and submit this checklist with a locally adopted recreation plan.

All recreation plans are required to meet the content and local approval standards listed in this checklist and as outlined in the *Guidelines for the Development of Community Park, Recreation, Open Space and Greenway Plans* provided by the Michigan Department of Natural Resources (DNR). To be eligible for grant consideration, plans must be submitted to the DNR prior to the grant application deadline **with** a completed checklist that has been signed by an authorized official(s) of the local unit of government(s) submitting the plan.

PLAN INFORMATION

Name of Plan:

List the community names (including school districts) covered by the plan	County	Month and year plan adopted by the community's governing body
Armada Township	Macomb County	January 2013

PLAN CONTENT

INSTRUCTIONS: Please check each box to certify that the listed information is included in the final plan.

- ☑ **1. COMMUNITY DESCRIPTION**
- ☑ **2. ADMINISTRATIVE STRUCTURE**
  - ☑ Roles of Commission(s) or Advisory Board(s)
  - ☑ Department, Authority and/or Staff Description and Organizational Chart
  - ☑ Annual and Projected Budgets for Operations, Maintenance, Capital Improvements and Recreation Programming
  - ☑ Current Funding Sources
  - ☑ Role of Volunteers
  - ☑ Relationship(s) with School Districts, Other Public Agencies or Private Organizations
  - **Regional Authorities or Trailway Commissions Only**
  - ☑ Description of the Relationship between the Authority or Commission and the Recreation Departments of Participating Communities
  - ☑ Articles of Incorporation
- ☑ **3. RECREATION INVENTORY**
  - ☑ Description of Methods Used to Conduct the Inventory
  - ☑ Inventory of all Community Owned Parks and Recreation Facilities
  - ☑ Location Maps (site development plans recommended but not required)
  - ☑ Accessibility Assessment
  - ☑ Status Report for all Grant-Assisted Parks and Recreation Facilities
- ☑ **4. RESOURCE INVENTORY (OPTIONAL)**
- ☑ **5. DESCRIPTION OF THE PLANNING PROCESS**

☑ **6. DESCRIPTION OF THE PUBLIC INPUT PROCESS**

☑ Description of the Method(s) Used to Solicit Public Input Before or During Preparation of the Plan, Including a Copy of the Survey or Meeting Agenda and a Summary of the Responses Received

☑ Copy of the Notice of the Availability of the Draft Plan for Public Review and Comment

Date of the Notice: December 6, 2013

Type of Notice: Posting on Website and Township Hall

Plan Location: Township Hall

Duration of Draft Plan Public Review Period (Must be at Least 30 Days): 35 Days

☑ Copy of the Notice for the Public Meeting Held after the One Month Public Review Period and Before the Plan's Adoption by the Governing Body(ies)

Date of Notice: January 2, 2013

Name of Newspaper: The Voice Newspaper

Date of Meeting: January 9, 2013

☑ Copy of the Minutes from the Public Meeting

☑ **7. GOALS AND OBJECTIVES**

☑ **8. ACTION PROGRAM**

PLAN ADOPTION DOCUMENTATION

Plans **must** be adopted by the highest level *governing body* (i.e., city council, county commission, township board). If planning is the responsibility of a Planning Commission, Park and Recreation Commission, Recreation Advisory Board or other local Board or Commission, the plan should **also** include a resolution from the Board or Commission recommending adoption of the plan by the governing body.

The local unit of government must submit the final plan to both the County and Regional Planning Agency for their information. Documentation that this was done must be submitted with the plan to the DNR.

Items 1, 3 and 4 below are **required** and must be included in the plan.

APPROVAL DOCUMENTATION: For multi-jurisdictional plans, **each** local unit of government must pass a resolution adopting the plan. Prepare and attach a separate page for each unit of government included in the plan.

☑ 1. Official resolution of adoption by the governing body dated: January 9, 2013

☑ 2. Official resolution of the Armada Township Planning Commission Commission or Board, recommending adoption of the plan by the governing body, dated: January 6, 2013

☑ 3. Copy of letter transmitting adopted plan to County Planning Agency dated: February 8, 2013

☑ 4. Copy of letter transmitting adopted plan to Regional Planning Agency dated: February 8, 2013

OVERALL CERTIFICATION

NOTE: For multi-jurisdictional plans, Overall Certification must include the signature of each local unit of government. Prepare and attach a separate signature page for each unit of government included in the plan.

I hereby certify that the recreation plan for Armada Township *includes the required content, as indicated above and as set forth by the DNR.*

(Local Unit of Government)

Mary K Swiecki 2-14-13

Authorized Official for the Local Unit of Government — Date

This completed checklist must be signed and submitted with a locally adopted recreation plan to:

GRANTS MANAGEMENT
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
PO BOX 30425
LANSING, MI 48909-7925

DNR USE ONLY - APPROVAL

The recreation plan is approved by the DNR and the community (ies) covered by the plan, as listed on page 1 of this checklist is/are eligible to apply for recreation grants through

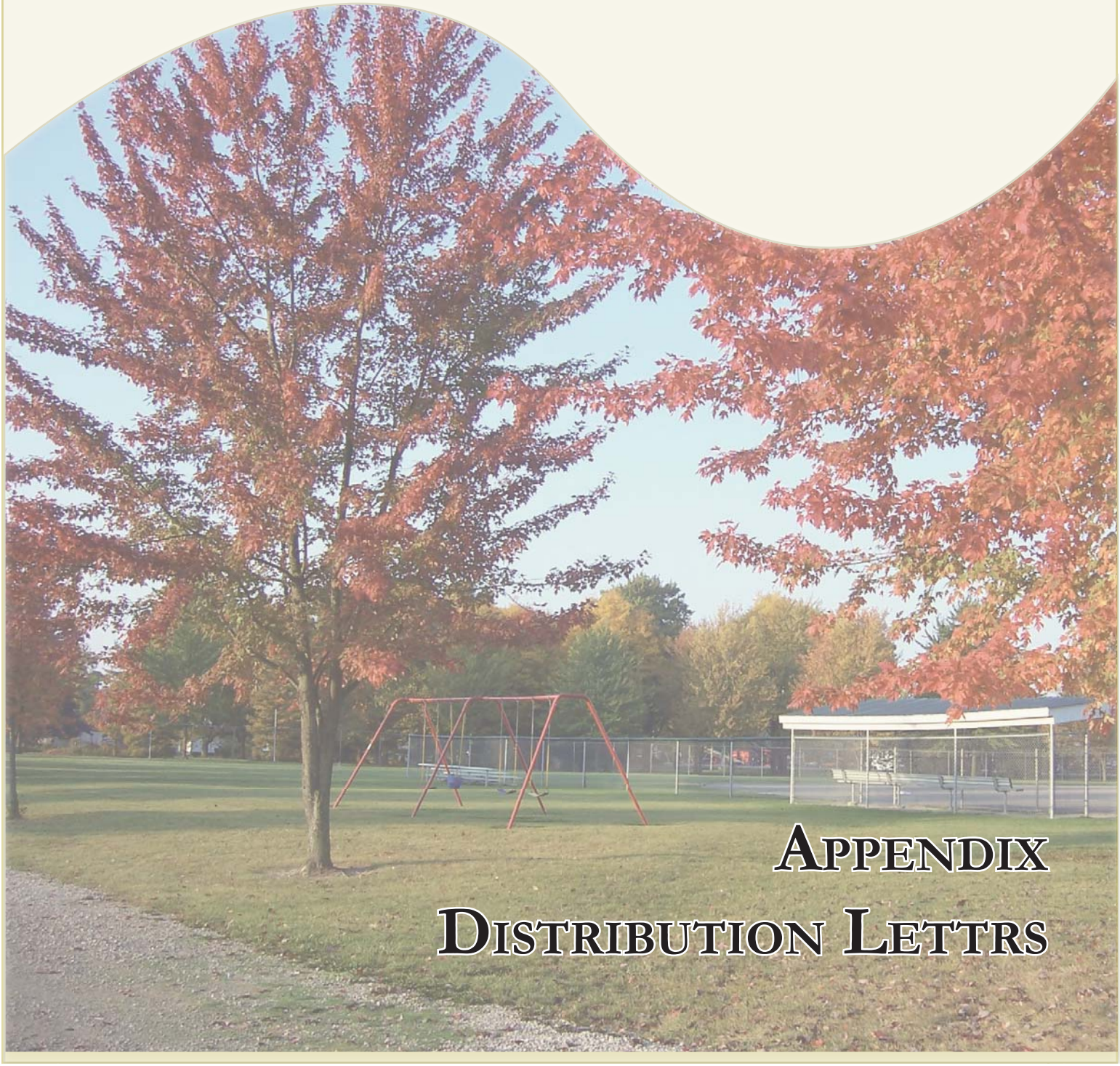
December 31, 2017

Date

By: [signature] 3/13/13

Grants Management — Date

RECEIVED
FEB 28 2013
MICHIGAN DNR
GRANTS MANAGEMENT



Appendix
Distribution Lettrs

Community Planning & Management, P.C.
Planning Communities Since 1973

February 8, 2013

Grants Management
Michigan Department of Natural Resources
P.O. Box 30425
Lansing, MI 48909-7925

RE: Armada Township Community Parks, Recreation, Open Space, and Greenways Master Plan

Enclosed please find one (1) copy of the Armada Township Community Parks, Recreation, Open Space, and Greenways Master Plan for your review. The Plan has been adopted by the Armada Township Board. A signed resolution from the Township Board is included in the Appendix of the Plan.

Please note that copies of the Recreation Plan have been submitted to the Macomb County Planning and Economic Development Department, as well as the Southeast Michigan Council of Governments (SEMCOG) for their review.

If you have any questions on the enclosed Plan, please feel free to contact me at (586) 416-2740.

Sincerely,

Community Planning & Management, P.C.

Christopher P. McLeod, AICP, PCP
Principal Planner

30464 Twenty-Three Mile Road ▪ Chesterfield Township, MI 48047
Phone: 586.416.2740 ▪ Fax: 586.416.2750 ▪ www.cpmpc.com

Community Planning & Management, P.C.
Planning Communities Since 1973

February 8, 2013

Macomb County Planning Commission
C/O Mr. Steve Cassin, AICP, Executive Director
Macomb County Planning and Economic Development Department
One South Main, 7th Floor
Mount Clemens, MI 48043

Dear Mr. Cassin:

Enclosed please find one (1) copy of the adopted Community Parks, Recreation, Open Space and Greenways Master Plan for Armada Township. We are submitting this Plan for the purpose of facilitating coordination between regional and local planning activities.

The Plan was prepared according to the guidelines for recreation planning, as specified by the Michigan Department of Natural Resources. An advertised public hearing was also held for the purpose of securing public input in the planning process. The Plan was approved by the Armada Township Board of Trustees on January 9, 2013.

If you have any questions on the enclosed Plan, please feel free to contact me. Thank you for your time and cooperation.

Sincerely,

Community Planning & Management, P.C.

Christopher P. McLeod, AICP, PCP
Principal Planner

30464 Twenty-Three Mile Road ▪ Chesterfield Township, MI 48047
Phone: 586.416.2740 ▪ Fax: 586.416.2750 ▪ www.cpmpc.com

Community Planning & Management, P.C.
Planning Communities Since 1973

February 8, 2013

SEMCOG
535 Griswold Street, Suite 300
Detroit, MI 48226

To Whom It May Concern:

Enclosed please find one (1) copy of the adopted Community Parks, Recreation, Open Space and Greenways Master Plan for Armada Township. We are submitting this Plan for the purpose of facilitating coordination between regional and local planning activities.

The Plan was prepared according to the guidelines for recreation planning, as specified by the Michigan Department of Natural Resources. An advertised public hearing was also held for the purpose of securing public input in the planning process. The Plan was approved by the Armada Township Board of Trustees on January 9, 2013.

If you have any questions on the enclosed Plan, please feel free to contact me. Thank you for your time and cooperation.

Sincerely,

Community Planning & Management, P.C.

Chris McLeod

Christopher P. McLeod, AICP, PCP
Principal Planner

30464 Twenty-Three Mile Road ▪ Chesterfield Township, MI 48047
Phone: 586.416.2740 ▪ Fax: 586.416.2750 ▪ www.cpmpc.com

Appendix

Resolutions

RESOLUTION OF ADOPTION
R2013-15
ARMADA TOWNSHIP RECREATION PLAN

WHEREAS, the Board of Trustees of Armada Township, Macomb County, Michigan, is responsible for making decisions regarding the establishment of recreation policies and plans, and

WHEREAS, the purpose of the Recreation Plan is to identify the short and long range needs of the Township and offer a comprehensive program for addressing these needs; and

WHEREAS, the Recreation Plan will qualify the Township to participate in recreation grant programs available through the State of Michigan; and

WHEREAS, the Recreation Plan has been prepared according to the guidelines of the Michigan Department of Natural Resources; and

WHEREAS, an advertised public hearing was held on January 9, 2013; and

WHEREAS, the Armada Township Planning Commission recommended approval of the Recreation Plan on January 2, 2013;

NOW, THEREFORE, BE IT RESOLVED BY THE TOWNSHIP BOARD OF THE TOWNSHIP OF ARMADA, MACOMB COUNTY, MICHIGAN, that the 2013-2018 Recreation Plan is adopted as its policy guide for recreation purposes.

Moved By: Paterek

Supported By: Swiacki

Ayes: Paterek, Swiacki, Smith, Goetzinger, LeMieux

Nays: None

Abstained: None

Absent: None

I hereby certify that the above resolution is a true and correct copy of the resolution adopted by the Armada Township Board of Trustees on January 9, 2013.

Mary K. Swiacki _____ *January 9, 2013*_
Mary K. Swiacki, Township Clerk Date

RESOLUTION OF ADOPTION

ARMADA TOWNSHIP RECREATION PLAN

WHEREAS, the Board of Trustees of Armada Township, Macomb County, Michigan, is responsible for making decisions regarding the establishment of recreation policies and plans, and

WHEREAS, the Armada Township Planning Commission is responsible for developing the Recreation Plan on behalf of the Armada Township Board of Trustees; and

WHEREAS, the purpose of the Recreation Plan is to identify the short and long range needs of the Township and offer a comprehensive program for addressing these needs; and

WHEREAS, the Recreation Plan will qualify the Township to participate in recreation grant programs available through the State of Michigan; and

WHEREAS, the Recreation Plan has been prepared according to the guidelines of the Michigan Department of Natural Resources; and

WHEREAS, the Recreation Plan has been available for thirty (30) days for public review and comment, and that notices were posted at the Township Hall among other public places; and

WHEREAS, an advertised public hearing is to be held on January 9, 2013 in front of the Armada Township Board of Trustees for the final adoption;

NOW, THEREFORE, BE IT RESOLVED BY THE TOWNSHIP PLANNING COMMISSION OF THE TOWNSHIP OF ARMADA, MACOMB COUNTY, MICHIGAN, that the 2013-2018 Recreation Plan is recommended for adoption as its policy guide for recreation purposes.

Moved By: Abercrombie

Supported By: Finn

Ayes: Abercrombie, Finn, Finlay, Jabara, DeCock

Nayes:

Abstained:

Absent: Kehrig, LeMieux

I hereby certify that the above resolution is a true and correct copy of the resolution adopted by the Armada Township Planning Commission on January 2, 2013.

DJ Kehrig, Planning Commission Chair

2-6-2013
Date

Appendix

Public Notices

AFFIDAVIT OF PUBLICATION

VOICE NEWSPAPERS, INC
51180 BEDFORD
P.O. BOX 760
NEW BALTIMORE, MI 48047

RECEIVED
JAN - 3 2012
BY:

ARMADA TOWNSHIP
P.O. BOX 578
ARMADA, MI 48005

REFERENCE: PHN TOWNSHIP PARK, RECREATION, OPEN SPACE & GREENWAY PLAN

STATE OF MICHIGAN

COUNTY OF: MACOMB

The undersigned, being duly sworn that she if the principal clerk of THE VOICE NEWSPAPERS, INC., published in the English language for the dissemination of local or transmitted news & intelligence of a general character, which are duly qualified newspapers, and that annexed hereto is a copy of a certain order taken from these newspapers in which the order was published on the specified day.

Barbara L. Street
Principal Clerk
Subscribed and sworn to before me on

JAN 12 2013

Mary Anne Coghlan
Notary Public

MARY ANNE COGHLAN
State of Michigan
My Commission Expires 2-27-2014

Published: 1/2/12

Voice Newspapers

Republicans who voted against right-to-work. But I've heard nothing about recalls," said Leon Drolet, founder of the Michigan

vote in 2008 against then-House Speaker Andy Dillon of Redford Township.

only the "big political power players" will attempt recall drives in the future.

A Macomb Township Republican who served in the House and on the Macomb County Board of Commissioners, Drolet said the same GOP lawmakers who damaged the unions with right-to-work - a measure he supported - have created an unprecedented level of job security for themselves so that they cannot be "fired by their bosses."

"Obviously, this is designed to protect themselves and ... obviously it's tied to right-to-work and unions wanting to recall right-to-work supporters,"

er said he received no blowback from fellow Republicans after his right-to-work vote. In addition, Forlini said GOP critics of the new recall rules fail to understand that he and the other members of the bipartisan Macomb delegation in the House were reining in a recall process that had become twisted by those engaged in political "gamesmanship" and revenge.

"For the most part, I think someone should only be recalled for saying one thing and doing another," he added, "and that's not what I did on right-to-work."

PUBLIC NOTICE
TOWNSHIP OF ARMADA
NOTICE OF PUBLIC HEARING
Armada Township Park, Recreation, Open Space, and Greenway Plan

This notice is published in accordance with the Guidelines for the Development of Community Park, Recreation, Open Space, and Greenway Plans adopted by the Michigan Department of Natural Resources.

This notice is to provide notification that Armada Township will be conducting the required public hearing prior to the adoption of the proposed Park, Recreation, Open Space, and Greenway Plan. The Plan has been available for public review and comments for the last month. The Plan will be before the Planning Commission at their January 2, 2013 meeting for the review and adoption and then before the Township Board at their January 9, 2013 meeting for the review and adoption. Comments can be submitted to the Township during normal business hours or at either of the above described meetings.

The Plan is available for review Monday – Thursday from 9:00 a.m. to 4:00 p.m. at the Armada Township Hall, 23121 E. Main, Armada, MI.

Mary K. Swiacki, Armada Township Clerk

Published 1-2-13

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Results

BOWLING

Anchor Bay 22, Sterling Heights 8
Roseville 21, Port Huron 9
Cousino 27, Port Huron Northern 3

Boys
High Team Game: AB 1,019, Sterling Heights 907, Roseville 1,059, PH 954, Cousino 930, PHN 907. High Baker Game: AB 189, Sterling Heights 181, Roseville 167, PH 244, Cousino 221, PHN 163. High 2-Game Set - AB 2018. High 2-Baker Game Set - Cousino 435. Games Over 22: Garrett Endress, AB 242, Trevor Hyslop, AB 258, Kevin Stanick, Sterling Heights 235, Chase Hollis PH 240, Collin Smith, PH 233, Josh Rolder, Roseville 238, Jeremy Miller, Roseville 228, Mike Hamilton, Roseville 231. High Individual 2-Game Set: Trevor Hyslop, AB 460, Kevin Stanick, Sterling Heights 392, Mike Hamilton, Roseville 434, Chase Hollis, PH 403, Justin Coleman, Cousino 398, Ricky Ostrauder, PHN 388.

Girls
Anchor Bay 25, Port Huron JV 5
Roseville 5.5, Port Huron 24.5
Cousino 16, Port Huron Northern 14

Team High Game: AB 647, PHJV 480, Roseville 598, PH 711, Cousino 841, PHN 694. High Baker Game: AB 137, PHJV 114, Roseville 135, PH 125, Cousino 143. High 2-Game Set is Cousino 1,585. High 2-Baker Game Set is PHN-364. High Individual Games: Kayla Gregoire-AB 160, Aino Nakamoto PHJV 10, Samantha Brackett Roseville 155, Chelsea Kelly PH 190, Taylor Miller Cousino 204, Kayla Laquiere Cousino 200, Ashley Smith Cousino 195, Heather Krauss PHN 180. High Individual 2-Game Set is Kayla Gregoire AB 319, PHJV Kathleen Bielecki 309, Samantha Brackett

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ARMADA TOWNSHIP
P.O. BOX 578
ARMADA, MI 48005

REFERENCE: PHN RECREATION PLAN PUBLIC INPUT

STATE OF MICHIGAN

COUNTY OF: MACOMB

The undersigned, being duly sworn that she if the principal clerk of THE VOICE NEWSPAPERS, INC., published in the English language for the dissemination of local or transmitted news & intelligence of a general character, which are duly qualified newspapers, and that annexed hereto is a copy of a certain order taken from these newspapers in which the order was published on the specified day.

Principal Clerk
Subscribed and sworn to before me on

NOV 21 2012

Notary Public

MARY ANNE COGHLAN
State of Michigan
My Commission Expires 2-27-2014

Published: 11/21/12

Voice Newspapers

RECEIVED
NOV 26 2012

BY:

Answers to hockey craving

BY BRIAN MARSHALL
STAFF WRITER

Pete Krupsky got a little defensive when asked if the NHL lockout is funneling more hockey fans to Compuware Arena to catch Plymouth Whalers games.

"There's not a light switch for people to decide to come here since there's an NHL lockout," said Krupsky, director of communications for the Ontario Hockey League team. "I expect to see good crowds the rest of the season whether the lockout ends or not.

"People realize we have pretty good hockey. I'd like to think people discover what this hockey is all about. It's not only good hockey, but it's affordable."

Hockey starved fans in the area have a handful of options. The OHL, which includes nearby Windsor and Sarnia, offers fans a chance to see future NHL players. The Port Huron Fighting Falcons compete in the North American Hockey League, a Tier II junior league, and there is college hockey to be found ranging from Oakland University to Michigan and Michigan State.

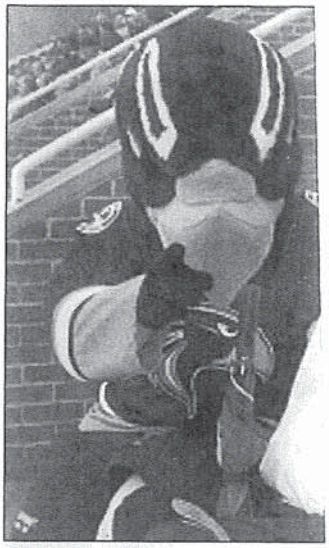
In Port Huron, there have been several teams come and go in the last 15 years. The Fighting Falcons are fighting to find a niche and it has been a struggle thus far this season. The Falcons drew 382 fans last Friday with Jamestown in town and 512 fans the following night. Their high attendance mark this season was 1,342.

"We really haven't noticed a difference with the crowd with the NHL being on hiatus," Falcons Coach and General Manager Michael Gershon said. "I think our crowds are still trying to figure out the junior game compared to the professional game that has been a big part of this town for so long.

"I think that our crowds are going to be the same regardless if the NHL is playing or not because we don't have many kids that are draft picks, so the NHL fan would rather go to Saginaw, Plymouth, Windsor or Sarnia to see players that they might see in a year or two compared to our league, where these kids are going to go on to college before playing pro."

The Whalers have built up a solid reputation as an alternative to attending NHL games. The franchise's proximity to Detroit doesn't hurt, but neither does its streak of 21 straight playoff appearances or the fact the OHL features dozens of players who have been or will be drafted by NHL teams.

The Whalers drew 4,026 fans for their Nov. 10 game against London and have consistently had crowds of 2,500 or more.



Fans enjoy a game at Mc
Falcons hockey team.

The figures don't reflect much change from a normal season when the NHL is operating.

The story is a little different for the Ontario towns in the league where hockey tends to be more of a staple than a fancy. Kitchener routinely draws in excess of 7,000 fans a game, while London and Ottawa also attract 5,000-plus.

Sarnia, just across the Blue Water Bridge from Port Huron, draws between 2,400-3,600 for most outings. Windsor, a slap shot from Detroit, has surpassed 5,000 fans for almost every home game.

Tickets for OHL games are in the general range of $12-$22, with discounts on some dates. That's quite a savings from NHL games, and the brand of hockey played by the

SYNOPSIS
OF UNOFFICIAL MINUTES FOR
RCM 11/12/12

Pres. Cooper called meeting to order at 7:00 PM. Pledge of Allegiance recited. Council members present at roll call: Cooper, Ballard, Stirrett, Coenen, Wolak, Awdey, and Clark. Also present: Clerk Poulos, Treasurer Adair, Scott Chabot, Matt Fahr, and Andy Wakeland.

COUNCIL ACTION: Unanimously approved Agenda as presented. Under Administrative Reports: heard a Liaison Report from the Sewer Commissioner updating about the S-2 Grant. Approved the Consent Agenda as amended: RCM Minutes of 10/22/12 pulled, added as Agenda item I; Payment of Bills totaling $54,818.94 as presented; SCM Minutes of 10/29/12 as presented. Heard an update from Street Administrator Ballard including the CDBG Downtown Sidewalk Project, the 2015 Bridge Grant, and the call for projects from Transportation Improvement Program for 2014-2017. Unanimously Approved: the application from the Armada Lions Club for a Special Event Permit on December 1, 2012, for the annual Holly Days and Lighted Parade; the application from the Armada Lions for a Special event Permit on December 14, 15, 16, 2012, for a four corner fundraiser; the application from the Armada Lions for a Special event Permit on December 22, 2012, for the annual Santa Day; the application from the Armada Lions Club for a Special Event Permit on April 26, 27, 28, 2013, for a four corner fundraiser; to accept amendment #3 to the Village of Armada Check Cashing Policy that states: Furthermore, in the interest of limiting exposure or risk of uncollectable debts to the Village, all final payments of water bills will be required to be in cash or certified funds; to accept the offer of $1,500.00 from Chad Nikkel for the Ford F-350 Van and authorize the President and Clerk to sign all documents required in conjunction with the sale; to approve the application from St. Mary Mystical Rose Parish for a Special Event Permit on December 1, 2012, for a 5K Run/Walk; to approve minutes of October 22, 2012, Regular Meeting of the Village Council, as amended. Approved: to pay James P. Contracting $17,048.39 for the final pay application, closing out the Spencer Street Project. Unanimously approved to adjourn the meeting at 7:29 pm. Complete text of minutes is available for public inspection at the Clerk's office during regular business hours.

Michelle Poulos, Armada Village Clerk

Published 11-21-12

PUBLIC NOTICE
TOWNSHIP OF ARMADA
PROPOSED RECREATION PLAN PUBLIC INPUT SESSION

Notice is hereby given that the Armada Township Planning Commission will hold a public hearing on Wednesday, December 5, 2012 at 7:00 p.m. at the Armada Township Offices, located at 23121 East Main Street, Armada, Michigan.

The purpose of the public hearing is to consider public comments regarding the development of a community wide Recreation Plan for Armada Township. The Plan is designed as a guide for the development and redevelopment of Township parks and recreation facilities and programs over the next five years and is required for the Township to be eligible for State and Federal grants.

All interested persons attending the hearing will be given an opportunity to comment on the Recreation Plan. If you are unable to attend this meeting you may submit comments in writing to the Township prior to the meeting.

Christine White, Recording Secretary
Amada Township Planning Commission

Published 11-21-12

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ARMADA TOWNSHIP
P.O. BOX 578
ARMADA, MI 48005

REFERENCE: PHN RECREATION PLAN INPUT

STATE OF MICHIGAN

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Barbara L. Street
Principal Clerk
Subscribed and sworn to before me on

AUG 22 2012

Mary Anne Coghlan
Notary Public

MARY ANNE COGHLAN
State of Michigan
My Commission Expires 2-27-2014

RECEIVED
AUG 27 2012
BY:

Published: 8/22/12

Voice Newspapers

hope we can have another 140 years of the same kind of success," said Goike.

new ordinance, any activity on the property will be viewed as a violation of the injunction put in place by Viviano.

Fix continues to view the situation differently.

"The planning commission approved us to operate and within 60 days, changed their minds," said Fix. "We are not holding events to get rich. We are only trying to maintain our farm, pay our taxes and be good neighbors who bring revenue to area businesses."

Contact Matthew Fahr at (586) 716-8100, ext. 300 or at matt.fahr@voice-news.com. He can also be followed on Twitter @Boxers94

ARMADA TOWNSHIP AUGUST 8, 2012 BOARD OF TRUSTEES MEETING - SYNOPSIS

- Supervisor Paterek called meeting to order at 7:00 p.m.
- Present: Lobeck, Paterek, Ruthenberg, Swiacki, Smith.
- Reports: Fire, code enforcement, planning commission, building, parks & rec, water main
- Approved:
- Minutes: 07/11/12 as presented
- Agenda as amended
- Current bills as presented
- Set special meeting dates for September 10, 12 and 24 at 7 p.m. at the township hall to provide information on the proposed 1.5 millage to contract with the Macomb County Sheriffs Department for police protection. This will be on the November 6 ballot for voters to decide. Sheriff Wickersham will be present as well as an officer from the Michigan State Police to provide information and answer questions.
- Fire department: Resignation from Melissa Lapp. Purchase of new rescue pumper truck from Smeal Manufacturing. Budget amendment
- Meeting adjourned at 8:20 p.m.

A complete copy of minutes is available at the Armada Township Hall or on the Armada Township website at www.armadatwp.org.

Mary K. Swiacki
Armada Township Clerk
Published 8-22-12

service centers as a permitted use in the industrial zoning district, allow second-hand merchandise dealers as a permitted use in the central business district and general business district, amend the design standards for second-hand merchandise dealers, and increase the allowable window sign coverage. The ordinance shall be effective upon the publication of this Notice of Adoption. A copy of the ordinance can be inspected or obtained from the Village Clerk's office located at 74274 Burk Street, Armada, Michigan 48005 during normal business hours.
Published 8-22-12

PUBLIC NOTICE TOWNSHIP OF ARMADA
PROPOSED RECREATION PLAN PUBLIC INPUT SESSION

Notice is hereby given that the Armada Township Planning Commission will hold a public hearing on Wednesday, September 5, 2012 at 7:00 p.m. at the Armada Township Offices, located at 23121 East Main Street, Armada, Michigan.

The purpose of the public hearing is to consider public comments regarding the development of a community wide Recreation Plan for Armada Township. The Plan is designed as a guide for the development and redevelopment of Township parks and recreation facilities and programs over the next five years and is required for the Township to be eligible for State and Federal grants.

All interested persons attending the hearing will be given an opportunity to comment on the Recreation Plan. If you are unable to attend this meeting you may submit comments in writing to the Township prior to the meeting.

Amada Township Planning Commission
Christine White, Recording Secretary

Published 8-22-12

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Appendix
Minutes

ARMADA TOWNSHIP BOARD
23121 East Main
Armada, MI 48005

REGULAR MEETING MINUTES

JANUARY 9, 2013 7:00 p.m.

PUBLIC HEARING: Recreation Master Plan 2013-2018

CALL TO ORDER: 7:00 p.m. by Supervisor Paterek

MEMBERS PRESENT: Paterek, Smith, Goetzinger, Swiacki and LeMieux
MEMBERS ABSENT: None

OPEN PUBLIC HEARING: Paterek moved, Swiacki seconded to open public hearing at 7 p.m.

DISCUSSION: Paterek noted that this is the third input session the township has had in regards to updating the recreation plan. The township has to keep the recreation plan updated so we can qualify for grants. Sharon Lobeck asked if the skate park is included in the recreation plan.

ADJOURN PUBLIC HEARING: Swiacki moved, LeMieux second to close the public hearing 7:04 p.m.
Motion CARRIED

REGULAR MEETING

CALL TO ORDER: 7:04 p.m. by Supervisor Paterek.

MINUTES:
Swiacki moved Smith seconded to approve regular meeting minutes of December 12, 2012 as presented.
Abstain: LeMieux **Motion CARRIED**

Paterek moved Swiacki seconded to approve special meeting minutes of December 18, 2012 as presented.
Abstain: LeMieux **Motion CARRIED**

SET/AMEND AGENDA: Swiacki moved, LeMieux seconded, to approve the agenda as presented.
Motion CARRIED

CURRENT BILLS: Swiacki moved Paterek seconded, to approve the previously paid bills of $26,749.13 – township check #22431 thru #22457, fire check #12023 thru #12055, the payroll checks of $46,546.31 – check #10765, thru #10840and the current list of bills of $8,018.80, township check #22457 thru #22471 and fire check #12056 thru #12072 for a total of $ 84,545.52 as presented.
Ayes: Smith, Paterek, Goetzinger, LeMieux, Swiacki **Motion CARRIED**

PUBLIC COMMENTS – AGENDA ITEMS: None

CORRESPONDENCE/INFORMATION:
Macomb County Dept. of Roads: Commissioner Don Brown stated that after the recent county budget cycle the limestone program was extended to three miles. This gives one additional mile to Armada Township for the 2012-2013 program. If anyone has questions for Commissioner Brown you may contact him at (586) 469-5125.

Letter from resident Bill Schutte: Paterek stated he will contact Busy Bee regarding this incident.

ARMADA TOWNSHIP BOARD
23121 East Main
Armada, MI 48005

REGULAR MEETING MINUTES

JANUARY 9, 2013 7:00 p.m.

REPORTS:

- Fire Department — Steve Jerzewski
- Code Enforcer — John Paterek
- Planning Commission — Dennis LeMieux
- Building Department — Christine White
- Macomb Agricultural P.D.R. — Ken DeCock
- Parks & Recreation — No report
- Water Main Update — John Paterek

Swiacki moved, LeMieux seconded to accept and file reports as presented. **Motion CARRIED**

UNFINISHED BUSINESS:

ZONING ORDINANCE AMENDMENT Section 16.24: Swiacki moved, Paterek seconded to have each board member write a synopsis for the Planning Commission for their next scheduled meeting as to what they would like changed in the proposed ordinance. **Motion CARRIED**

NEW BUSINESS:

RECREATION MASTER PLAN 2013-2018 - Resolution: Paterek moved Swiacki seconded to adopt the 2013-2018 Recreation Plan as presented by resolution #R2013-15.
Ayes: Smith, Paterek, Goetzinger, LeMieux, Swiacki **Motion CARRIED**

TRANSFER SITE CONTRACT: Paterek moved, Swiacki seconded to accept three-year contract from Busy Bee as presented beginning February 1, 2013 and ending January 31, 2016.
Ayes: Paterek, Smith, Goetzinger, Swiacki, LeMieux **Motion CARRIED**

STANDARD MILEAGE RATE FOR 2013: Swiacki moved Smith seconded to approve 56.5 cents per mile.
Ayes: Paterek, LeMieux, Smith, Goetzinger, Swiacki **Motion CARRIED**

POLICIES & PROCEDURES: Section 7.8 Expenditure Control: Swiacki moved Goetzinger seconded to approve amendment as presented to allow each department head to spend up to $1,000 – Supervisor, Clerk, Treasurer, Parks & Recreation, Senior Director and Fire Chief.
Ayes: Swiacki, Paterek, Goetzinger, LeMieux, Smith **Motion CARRIED**

FIRE DEPARTMENT: Lieutenant 1 (K. Kanehl) / Lieutenant IV (J. Scaife)**:** Paterek moved LeMieux seconded to appoint Kevin Kanehl to Lieutenant I. **Motion CARRIED**

Paterek moved Swiacki second to appoint Jeff Scaife to Lieutenant IV. **Motion CARRIED**

GENERAL FUND: Budget amendments**:** Paterek moved Swiacki seconded to approve amendments as presented: All amendments are elections related. There were three elections in 2012 which resulted in the purchase of additional supplies and training for election inspectors on the Electronic Poll Book.

Line Item: 191-958 – Miscellaneous move $500 to line item 191-731 – voting materials
Line item: 191-957 – Meals move $100 to line item 191-862 mileage
Line item: 191-957 – Meals move $50 to line item 191-861 education/training
Ayes: Smith, Paterek, Goetzinger, LeMieux, Swiacki **Motion CARRIED**

PUBLIC COMMENT: None

ADJOURNMENT: Paterek moved, Swiacki seconded to adjourn the meeting at 7:55p.m.
Motion CARRIED

Mary K. Swiacki
Mary K. Swiacki
Armada Township Clerk

John W. Paterek
John Paterek
Supervisor

Published: 1/16/2013

Armada Township

PLANNING COMMISSION

23121 E. Main Street, P.O. Box 578
Armada, Michigan 48005
Telephone: (586) 784-5200 Facsimile: (586)784-5211

DRAFT MINUTES

January 2, 2013 – 7:00 p.m.

Regular Meeting

1. Call to order
2. Pledge of Allegiance
3. Roll Call
4. Approve/Amend Agenda
5. Approval of minutes: **Regular Meeting December 5, 2012**
6. Public Comments
7. Public Hearing
8. Reports and Correspondence
9. Unfinished Business: **Zoning Ordinance Amendments**
10. New Business: **Blake's Orchard Winery and Hard Cider**
11. PC Projects: **Recreation Master Plan Review and Recommend to Township Board**
12. Public Comments
13. Adjournment

Next Scheduled Regular Meeting: February 6, 2013

Call to order: Vice-Chair DeCock called the meeting to order at 7:02 p.m.

Pledge of Allegiance: Vice-Chair DeCock led the group in the Pledge of Allegiance.

Roll Call: Present: Finlay, Finn, DeCock, Abercrombie. Absent: Kehrig, LeMieux, Jabara
Also present: Chris McLeod, Planner, Christine White, Recording Secretary. Jabara arrived at 7:17 p.m.

Approve/Amend Agenda: Motion made by Finlay, seconded by Finn, to change the agenda, New Business will be heard prior to Unfinished Business. All ayes; Motion Carried.

Approval of Minutes: Regular Meeting, **December 5, 2012**. **Motion made by Finlay, seconded by Finn, to approve minutes as presented. All ayes; Motion Carried.**

Public Comments: None**.**

Public Hearing: None.

Reports and Correspondence: Vice- Chair DeCock noted a memo in regards to the changes of the Planning Commission and the Notice to Review the Park and Recreation Master Plan. **Motion made by Finlay, seconded by Finn, to receive and file as presented. All ayes; Motion Carried.**

New Business: Blake's Orchard Winery and Hard Cider

Mr. Paul Blake of Blake's Orchard presented a plan that explained his family's idea to promote Ag Tourism and to diversify their current business into something more exciting and viable by producing hard cider and eventually wine and a tasting room to their current business. He explained how he has visited other orchards and farm markets throughout the state that have been doing this with good results. A separate LLC was to be put into place to track revenue and costs. This type of use is regulated heavily through state and federal laws. The building that will be used is currently open to the public for doughnut and cider sales. They are looking at the necessary equipment. It is intended to be converted into a tasting area and viewing room. The Fire Chief did a preliminary inspection of the site and his findings were given to each member. This is an acceptable ancillary use in the agricultural preservation district. Discussion regarding ventilation, parking, and the produce to be used took place. **Motion made by Abercrombie, seconded by Finlay to accept the site plan as presented. All ayes; Motion Carried.**

Unfinished Business: Zoning Ordinance Amendments

A draft was sent to the Township Board for review and approval. The Township Board sent it back to the Planning Commission to look into rezoning areas in the master plan that fit these types of events. Chris McLeod, planner presented the draft ordinance #5. **Title 16.24 Race Tracks, Motocross Tracks, Tractor Pulls, Mud Bogs and the Like for motorized vehicles**. He did not think going as far as opening the master plan was needed. He thought that this could be accomplished by taking another look at the draft ordinance. He presented the following options: additional provisions as to where these will be located by adding additional acreage, limit the roadways, keep it as is and use the Special Land Use aspect, that will dictate where these uses will go in the township, come up with another alternative altogether, or the commission could ask the Township Board to further define what it is they are looking for.

Vice-Chair DeCock asked for public comments: Nick Fix, concerned over number four of the ordinance, stated that 65 decibels is basic conversation. Chris McLeod, planner explained it is basically saying you are not going to hear this type of activity from the property line. Nick Fix wanted to then know how he would cut his grass. Planner, Chris McLeod explained the township recognizes normal activities on property from a day to day basis. In terms of a Special Land Use, the township has every right to place noise requirements that would not make this use any noisier than would normally be anticipated on any AG or M-1 property. Dawn Fix stated this is incorrect because her lawn mower is louder than 65 decibels from her property line. Chris McLeod, planner stated the 65 decibel is for a special land use. The township does not require a special land use to cut your grass. Nick Fix understands that and still believes 65 decibel to be unpractical. Commissioner Finn explains an auditory protection plan.

Commissioner Finlay likes the ordinance as is, and is not sure what the board is asking.

Vice-Chair DeCock asks planner about designated areas. Chris McLeod, planner states if permitted in a certain area, it would not go through a special land use. The township would retain certain rights. A site plan review, and meeting the ordinance requirements. It is a plausible alternative. The issue is that the people that are located within whatever areas of the township that would be designated is that they will not be happy, especially if they are not partaking in that kind of use.

Special Land Use allows people to apply on any piece of property. The planning commission has the discretion to say the intensity and the type of use for a particular parcel is either too intense or too small. It will vary by applicant.

If an area is defined or designated the less likely it can be denied. The more an applicant can show that they are meeting an ordinance the less ability the township has to deny it.

Commissioner Finlay would like these uses to be on a case by case basis, through special land use. Commissioner Abercrombie suggested a limit to how many would be allowed in the township and if they could be renewed every year. One of the requirements for a special land use is showing there is a need for it. The applicant has to prove there is a need and if the planning commission does not believe there is, it can be denied.
A yearly renewal cannot be done with a special land use. A special land use runs with the property. A special land use can be taken away if violations occur. There is currently no ordinance in place for annual business permits. These are usually done through the building department, sometimes through the fire department. Once in place it could be a requirement of a special land use, but is not at this time.

Motion made by Finlay, seconded by Finn to send the ordinance back to the Township Board the way it is and have each board member pick out what they like and do not like. Finn added also to look into the rezoning of the master plan to fit these types of events for clarification.
Discussion of the motion was to look at rezoning area in the master plan that fits these types of events. Commissioner Abercrombie stated we are sending them back the ordinance. The ordinance is separate from the master plan.
Motion to amend the current motion by Finn to specify the zones they are in or do they want new zones. Lack of support; Motion Failed.

Vote on original Motion; Ayes; Finlay: Nays; Abercrombie, Jabara, Finn, DeCock, Motion Failed.

Motion made by Jabara, seconded by Abercrombie to ask the Township Board what they stated, to look into rezoning areas in the master plan that fit these types of events for more clarification. Ayes; Abercrombie, Jabara, Finn, DeCock. Nays; Finlay. Motion Carried.

PC Projects: Recreation Master Plan Expiration Dec. 31, 2012: A notice for a thirty day review period was posted. No comments were forwarded to the Planning commission. Chris McLeod, planner went over the changes made at last month's meeting. All the requirements have been satisfied and can be sent to the Township Board. The plan may be amended during the five years. **The plan has been adopted by resolution. Motion made by Abercrombie, seconded by Finn to send a resolution for adoption of the Armada Township Recreation Plan to the Township Board. All ayes; Motion Carried. See attached Resolution.**

Public Comments: None.

Adjournment: Motion made by Finlay, seconded by Finn, to adjourn at 8:22 p.m. All ayes; Motion Carried.

Respectfully submitted:

Christine White
Recording Secretary

Approved:

DJ Kehrig,
Chairperson_____Date_____

Armada Township

PLANNING COMMISSION

23121 E. Main Street, P.O. Box 578
Armada, Michigan 48005
Telephone: (586) 784-5200 Facsimile: (586)784-5211

MINUTES

December 5, 2012 – 7:00 p.m.

Regular Meeting

1. Call to order
2. Pledge of Allegiance
3. Roll Call
4. Approve/Amend Agenda
5. Approval of minutes: **Regular Meeting September 5, 2012**
6. Public Comments
7. Public Hearing: **Proposed Recreation Plan Public Input Session II**
8. Reports and Correspondence
9. Unfinished Business: **Zoning Ordinance Amendments**
10. New Business: **None**
11. PC Projects: **Recreation Master Plan Expiration Dec. 31, 2012**
12. Public Comments
13. Adjournment

Next Scheduled Regular Meeting: January 2, 2013

Call to order: Chair Kehrig called the meeting to order at 7:06 p.m.

Pledge of Allegiance: Chair Kehrig led the group in the Pledge of Allegiance.

Roll Call: Present: Kehrig, Finlay, DeCock, Swiacki, Jabara. Absent: Finn, LeMieux
Also present: Chris McLeod, Planner, Christine White, Recording Secretary.

Approve/Amend Agenda: Motion made by Swiacki, seconded by Jabara, to approve agenda as presented. All ayes; Motion Carried.

Approval of Minutes: Regular Meeting, **September 5, 2012**. **Motion made by Swiacki, seconded by DeCock, to approve minutes as presented. All ayes; Motion Carried.**

Public Comments: None**.**

Public Hearing: Proposed Recreation Plan Public Input Session II
Motion made by Swiacki, seconded by Finlay, to open the public hearing at 7:10 p.m. All ayes; Motion Carried.
Chair Kehrig explained the public hearing process.
Chair Kehrig confirmed the affidavit of publication, and that it is on file for public inspection.

Kehrig asked for public comments: **None.**

Planner Chris McLeod went over the draft recreation master plan. The parks priority list was reviewed from high, medium, to low and what is to be accomplished over the next five years. Pathways to connect to the Macomb Orchard Trail were discussed. A connection up Romeo Plank through the Huron Clinton Metro Parks was discussed. The idea is to follow the river, as funding is much more likely. Chair Kehrig proposed four changes in language to the draft. Finlay thought language should be added for the expansion of the Armada Ridge Park through land acquisition and that it should be added to goals and objectives. Chair Kehrig also noted changes should include picnic areas on the priority list and that the Armada Ridge Park extends past the trail on the map. The recreation plan may be amended anytime. The definition of complete streets was defined as a street that has multiple modem means of transportation, which would be bike pathways, sidewalks, and bus-stops. Planner Chris McLeod will make the necessary adjustments to the draft for the next meeting. A thirty day review period is to be posted, with comments forwarded to the planning commission.
Motion made by Finlay, seconded by Jabara, to close public hearing at 8:44 p.m. All ayes; Motion carried.

Reports and Correspondence: Chair Kehrig noted a memo in regards to the changes of the Planning Commission, Recreation Grant Program requirements, Planning and Zoning News for July, August, September, and October. The Village and Township of Almont requesting input for their Master Plan update. **Motion made by Swiacki, seconded by DeCock, to receive and file as presented. All ayes; Motion Carried.**

Unfinished Business: Zoning Ordinance Amendments
Chris McLeod, planner presented the proposed changes of the draft ordinance #4 as follows: **Title 16.24 Race Tracks, Motocross Tracks, Tractor Pulls, Mud Bogs and the Like for motorized vehicles**. The following is a list of proposed changes:

A special land use shall not be permitted in the R-1 Single Family Residential district.

2. Within the required setback, the Planning Commission may require landscaping in an amount sufficient to reduce the physical impacts generated by the use.

8. A plan for how spilled or lost fluids will be recovered from the track, driving or pit areas if such fluids are lost as a result of engine break or other issue which releases fluid onto the track or any dirt surface.

11. The location of acceptable restroom facilities shall be shown, either temporary or permanent. If permanent, the location of the appropriate hook up to an approved public system or a septic field as approved by the Health Department shall be shown. If temporary, the plan for cleaning, emptying and the removal of the temporary facilities on a regular basis should be provided.

20. The Township may require appropriate as built drawings and initial operational studies (such as lighting, noise, etc.) for the layout and operation of the facility, after the first event, to ensure that the requirements of this Ordinance are being met. These studies shall be provided by certified professionals.

Motorized uses do not work under the value-added agri-business ordinance. There are no ordinances that regulate these uses at this time. The premise of zoning is that unless it is specifically provided for in your ordinance it is strictly prohibited. A review and discussion of the entire draft was conducted with two proposed changes.

.ıe title should read motorized vehicles **and the Like**.

Number four should be sixty five (65) decibels to be consistent with the current ordinance book.

Motion made by DeCock, seconded by Finlay to forward Section 16.24 to the Township Board to recommend adoption as amended. All ayes; Motion Carried.

New Business: 2013 Meeting Dates: Motion made by DeCock, seconded by Jabara to approve dates and send to the Township Board for approval. All ayes; Motion Carried.

PC Projects: Recreation Master Plan Expiration Dec. 31, 2012: A thirty day review period is to be posted, with any comments forwarded to the Planning commission for final review. This will be the next agenda, and then will be moved to the Township Board for final adoption.

Public Comments: None.

Adjournment: Motion made by Swiacki, seconded by DeCock, to adjourn at 8:37 p.m. All ayes; Motion Carried.

Respectfully submitted:

Christine White
Recording Secretary

Approved:

DJ Kehrig, Kenneth DeCock
Chairperson _____ Date 1-2-13
Vice Chair

Armada Township

PLANNING COMMISSION

23121 E. Main Street, P.O. Box 578
Armada, Michigan 48005
Telephone: (586) 784-5200 Facsimile: (586)784-5211

DRAFT MINUTES

September 5, 2012 – 7:00 p.m.

Regular Meeting

1. Call to order
2. Pledge of Allegiance
3. Roll Call
4. Approve/Amend Agenda
5. Approval of minutes: **Regular Meeting August 1, 2012**
6. Public Comments
7. Public Hearing: **Proposed Recreation Plan Public Input Session**
8. Reports and Correspondence
9. Unfinished Business: **Zoning Ordinance Amendments**
10. New Business: **None**
11. PC Projects: **Recreation Master Plan Expiration Dec. 31, 2012**
12. Public Comments
13. Adjournment

Next Scheduled Regular Meeting: October 3, 2012

Call to order: Chair Kehrig called the meeting to order at 7:03 p.m.

Pledge of Allegiance: Chair Kehrig led the group in the Pledge of Allegiance.

Roll Call: Present: Kehrig, Finlay, LeMieux, Swiacki, Jabara. Absent: DeCock, Finn
Also present: Chris McLeod, Planner, Christine White, Recording Secretary.
Finn arrived at the meeting at 7:07 p.m.

Approve/Amend Agenda: Motion made by Finlay, seconded by LeMieux, to approve agenda as presented. All ayes; Motion Carried.

Approval of Minutes: Regular Meeting, **August 1, 2012**. **Motion made by Swiacki, seconded by LeMieux, to approve minutes as presented. All ayes; Motion Carried.**

Public Comments: None**.**

Public Hearing: Proposed Recreation Plan Public Input Session
Motion made by Finn, seconded by Swiacki, to open the public hearing at 7:08 p.m. All ayes; Motion Carried.

Kehrig confirmed the affidavit of publication, and that it is on file for public inspection.

Kehrig asked for public comments. There were no public comments.

Motion made by Finlay, seconded by Swiacki, to close public hearing at 7:13 p.m. All ayes; Motion carried.

Reports and Correspondence: Chair Kehrig noted a copy of the order of permanent injunction requested by Armada Township in regard to the mud bogs. **Motion made by Swiacki, seconded by LeMieux, to receive and file as presented. All ayes; Motion Carried.**

Unfinished Business: Zoning Ordinance Amendments

Chris McLeod, planner presented the proposed changes of the ordinance as follows: Agricultural Preservation Zoning District, by amending Section 8.01 Uses permitted, by amending Subsection (B.) Agribusiness (Value Added Farming Operations), Subsection (2.) Acceptable Ancillary Uses,

> **Subsection (l.)** Accessory or other similar uses to those listed above as approved by the Planning Commission. If the Commission determines that the type of use is not similar to an above stated acceptable ancillary use or that the impacts from such a use may be of a more intense nature, the Planning Commission may consider the use as a special land use approval and if approved, may place appropriate conditions on the use to ensure that the health, safety, and general welfare of the Township are protected.
>
> **Subsection (m.)** Accessory uses which include mud bogs, race tracks, tractor pulls, the use of motor vehicles or off road vehicles for entertainment, charitable or for profit purposes, shall not be considered acceptable ancillary uses. This shall not include the use of tractors for hayrides or other similar events or normal farm related activities.
>
> 7. **Conditions of Agribusiness Operations**
>
>> **(e.)** Uses shall provide an emergency action/access plan (as approved by the Fire Department) for emergency response for each aspect of the agribusiness use (if and as determined necessary by the Township).

Motion made by Jabara, seconded by Finn, to recommend to the Township Board to adopt the above language for Section 8.01 Uses Permitted l., and m., also Number 7. e. for approval into the ordinances. All Ayes; Motion Carried.

The zoning ordinance amendments: Section 16.24 Race Tracks, Motocross Tracks, Tractor Pulls, Mud Bogs, and the Like. The procedure of a special land use and the approval process was discussed. Chris McLeod, planner presented the proposed changes discussed from last month's meeting which were parking lot requirements and the regulation of overnight stays. Chair Kehrig went over the eight standards of the special land use requirements. Enforcement issues were discussed with this type of use. A discussion of whether or not this should be an allowable use in the township was discussed. Other items which include a minimum number of acres, side yard setbacks, landscaping barriers and noise levels were discussed. **Motion made by Swiacki, seconded by LeMieux, to table until next meeting to gather more information. All ayes; Motion Carried**.

New Business: None

PC Projects: Recreation Master Plan Expiration Dec. 31, 2012: Planner Chris McLeod went over 'he proposed recreation master plan. The planning commission went over all the various areas of the parks. The main concerns were an area for the skate park which showed on one plan and not the other, soccer fields being converted into a baseball field at the park on North Ave, disc golf, and parking modification for the park on Armada Ridge Rd. The planner will make all the changes that were discussed and have the information for the next meeting. It was also determined that the second public input session should be held in December.

Public Comments: Commissioner Finlay discussed bringing more of a tax-base into the Township, with a suggestion about upscale housing with airport access.

Adjournment: Motion made by Swiacki, seconded by Jabara, to adjourn at 9:00 p.m. All ayes; Motion Carried.

Respectfully submitted:

Christine White
Recording Secretary

Approved:

DJ Kehrig,
Chairperson DJ Kehrig Date 12-5-12

Appendix
Grant History

Grants Management
Department of Natural Resources

Wednesday, December 05, 2012

Recreation Grant History

Applicant

Armada Township

Project No. **26-01111** **Project Year:**

Project Title: Armada Area Community Park

Project Status: Withdrawn **Grant Amount:**

Project Description:

Project No. **26-00885** **Project Year:** **1977**

Project Title: Armada Area Community Park

Project Status: Closed **Grant Amount:** **$10,576.30**

Project Description: Develop parking and entranc, drive, ball diamond, landscaping, and LWCF sign

Project No. **BF89-604** **Project Year:** **1989**

Project Title: Armada Township Park-Senior

Project Status: Closed **Grant Amount:** **$20,000.00**

Element
Provide water & sewer
Restroom/Pavilion

Project Description: Construct park shelter.

Michigan Department of Natural Resources - Grants Management

RECREATION BOND PROGRAM
POST-COMPLETION SELF-CERTIFICATION REPORT

This information required under authority of Part 715 of PA 451 of 1994, as amended.

GRANTEE: Armada Township **PROJECT TITLE:** Armada Township Park - Senior

PROJECT NUMBER: BF89-604 **PROJECT SCOPE:** Construct Park Shelter

TO BE COMPLETED BY LOCAL GOVERNMENT AGENCY (GRANTEE)

Name of Agency (Grantee)	Contact Person	Title
Armada Township	Mary Swiaki	Clerk
Address: 23121 E Main Street	Telephone: 586-784-5200	
City, State, ZIP: Armada, MI	Email: clerk@armadatwp.org	

SITE DEVELOPMENT

Any change(s) in the facility type, site layout, or recreation activities provided? ☐Yes ☒No
If yes, please describe change(s).

Has project site been converted to other than recreation use? If yes, please describe what portion and describe use. ☐Yes ☒No

Are any of the facilities obsolete? If yes, please explain. ☐Yes ☒No

Are the site and all facilities accessible to persons with disabilities? If no, please explain. ☐Yes ☒No

Sidewalk to facility needs to be constructed

SITE QUALITY

Is there a sign which identifies the property or facility as a public recreation area? ☒Yes ☐No
If yes, please provide a picture of the sign. If no, please explain.

Are the facilities and the site being property maintained? If no, please explain. ☒Yes ☐No

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

SITE QUALITY (CONT'D)

Are there any features near the site which would detract from the use and enjoyment of the site or would pose a health or safety problem? If yes, please explain. ☐Yes ☒No

Is vandalism a problem at this site? If yes, explain the measures being taken to prevent or minimize vandalism. ☐Yes ☒No

Is maintenance scheduled on a regular basis? If yes, give schedule. If no, please explain. ☒Yes ☐No

The Township Park Maintenance Director inspects the facility each year.

What is the annual budget to maintain the facility? ☒Yes ☐No

The Township budgets $6,000 for park maintenance each year.

GENERAL

Is any segment of the general public restricted from using the site or facilities? (i.e. resident only, league only, boaters only, etc.) If yes, please explain. ☐Yes ☒No

Is a fee charged for use of the site or facilities? If yes, please provide fee structure. ☐Yes ☒No

What are the hours and seasons for availability of the site?

Dawn to Dusk Year Round

CERTIFICATION

I do hereby certify that I am duly elected, appointed and/or authorized by the Grantee named above and that the information and answers provided herein are true and accurate to the best of my personal knowledge, information and belief.

Mary K. Swiacki Please print	Mary K Swiacki *Grantee Authorized Signature*	2-14-13 Date
Sam Boelke Please print	Sam Boelke *Witness Signature*	2.14.13 Date

Send completed report to: **GRANTS MANAGEMENT**
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
P O BOX 30425
LANSING MI 48909-7925

CFDA 15.916 Outdoor Recreation, Acquisition, Development & Planning

Michigan Department of Natural Resources - Grants Management

LAND AND WATER CONSERVATION FUND
POST-COMPLETION SELF-CERTIFICATION REPORT

This information required under authority of the Land and Water Conservation Fund Act of 1965, 78 Stat. 897 (1964).

GRANTEE: Armada Township

PROJECT NUMBER: 26-00885 **PROJECT TITLE:** Armada Area Community Park

PROJECT SCOPE: Develop parking and entrance drive, ball diamond, landscaping

PROJECT TYPE: Development

TO BE COMPLETED BY LOCAL GOVERNMENT AGENCY (GRANTEE)

Name of Agency (Grantee)	Contact Person	Title
Armada Township	Mary Swiaki	Clerk
Address: 23121 E. Main Street	Telephone: 586-784-5200	
City, State, ZIP: Armada MI 48005	Email: clerk@armadatwp.org	

SITE DEVELOPMENT

Any change(s) in the facility type, site layout, or recreation activities provided? If yes, please describe change(s). ☐Yes ☐No

Please refer to the attached boundary map. Has any portion of the project site been converted to a use other than outdoor recreation? If yes, please describe what portion and describe use. (This would include cell towers and any non-recreation buildings.) ☐Yes ☒No

No

Are any of the facilities obsolete? If yes, please explain. ☐Yes ☒No

No

Are the site and all facilities accessible to persons with disabilities? If no, please explain. ☐Yes ☒No

Additional sidewalks should be provided to ball diamond area

List all additional existing development/facilities at the referenced project site. If the site is undeveloped, please describe the present use and provide a schedule for future development, including a list of proposed facilities.

restrooms

pavilion

picnic area

senior center

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

SITE QUALITY

Is there a sign which identifies the property or facility as a public recreation area? If yes, please provide a photograph of the sign. If no, please explain. ☒Yes ☐No

Yes

Are the facilities and the site being properly maintained? If no, please explain. ☒Yes ☐No

Yes

Are there any features near the site which would detract from the use and enjoyment of the site or would pose a health or safety problem? If yes, please explain. ☐Yes ☒No

No

Is vandalism a problem at this site? If yes, explain the measures being taken to prevent or minimize vandalism. ☐Yes ☒No

No

Is maintenance scheduled on a regular basis? If yes, give schedule. If no, please explain. ☒Yes ☐No

Yes, The Township Park Maintenance Director inspects facility each year

What is the annual budget to maintain the facility?

The Township budgets $6,000 for park maintenance each year.

GENERAL

Is a LWCF plaque permanently displayed at the site? If yes, provide a photograph. ☐Yes ☒No

Is any segment of the general public restricted from using the site or facilities? (i.e. resident only, league only, boaters only, etc.) If yes, please explain. ☐Yes ☒No

No

Is a fee charged for use of the site or facilities? If yes, please provide fee structure. ☐Yes ☒No

No

What are the hours and seasons for availability of the site?

Dawn to Dusk Year Round

CIVIL RIGHTS COMPLIANCE

a. Are signs posted or are brochures available that contain the following required non-discrimination statement: "This program receives Federal funds from the National Park Service. Regulations of the U.S. Department of Interior strictly prohibit unlawful discrimination in departmental federally-assisted programs on the basis of race, color, national origin, age and handicap?" If yes, specify which method(s) is used, including the location of same. ☐Yes ☒No

No

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

CIVIL RIGHTS COMPLIANCE (CONT'D)

b. Is the following address included for the purpose of facilitating an individual's filing of a complaint? ☐Yes ☒No

DIRECTOR - EQUAL OPPORTUNITY PROGRAMS
NATIONAL PARK SERVICE
US DEPARTMENT OF THE INTERIOR
PO BOX 37127
WASHINGTON DC 20013-7127

COMMENTS (ATTACH SEPARATE SHEET IF MORE SPACE IS NEEDED)

CERTIFICATION

I do hereby certify that I am duly elected, appointed and/or authorized by the Grantee named above and that the information and answers provided herein are true and accurate to the best of my personal knowledge, information and belief.

Mary Swiaki, Township Clerk Please print	Mary K. Swiacki Grantee Authorized Signature	2-14-13 Date
Sam Boelke Please print	Sam Boelke Witness Signature	2.14.13 Date

Send completed report to: **GRANTS MANAGEMENT**
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
PO BOX 30425
LANSING MI 48909-7925

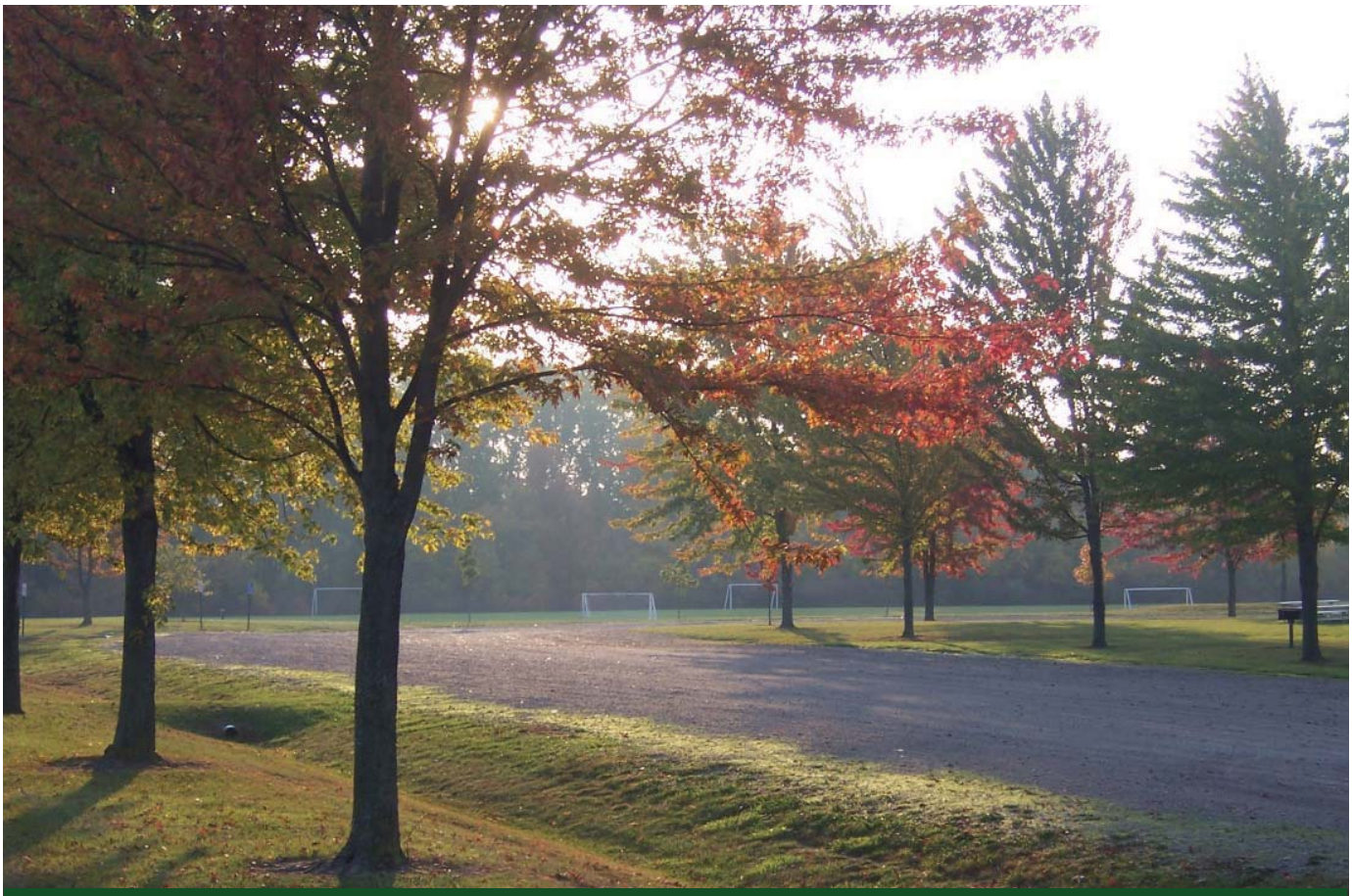
Entrance Sign

Pavillon and Restrooms

Parking Lot and Baseball Field

Parking Lot and Baseball Field

Baseball Field



Entry Drive

Appendix
General Budget

ARMADA TOWNSHIP GENERAL FUND
Profit & Loss Budget vs. Actual
April 2012 through March 2013

	Apr '...	Budget	$ Over Bud...	% of ...
Ordinary Income/Expense				
Income				
410-001 · TAX REVENUE	0.00	158,000.00	(158,000.00)	0.0%
445-001 · FORFEITED BONDS / REINSPECTIONS	0.00	1,000.00	(1,000.00)	0.0%
451-001 · BUILDING PERMITS	0.00	6,500.00	(6,500.00)	0.0%
452-001 · ELECTRICAL PERMITS	0.00	3,000.00	(3,000.00)	0.0%
453-001 · MECHANICAL PERMITS	0.00	2,200.00	(2,200.00)	0.0%
454-001 · PLUMBING PERMITS	0.00	1,000.00	(1,000.00)	0.0%
540-001 · CDBG	0.00	3,000.00	(3,000.00)	0.0%
574-001 · LIQUOR / STATE SHARED	0.00	1,400.00	(1,400.00)	0.0%
574-002 · SALES / USE STATE SHARED	0.00	244,360.00	(244,360.00)	0.0%
574-003 · METRO ACT REVENUE	0.00	4,000.00	(4,000.00)	0.0%
587-001 · SMART- MUNICIPAL	0.00	2,882.00	(2,882.00)	0.0%
587-002 · SMART - COMMUNITY	0.00	6,918.00	(6,918.00)	0.0%
626-003 · MISCELLANEOUS REVENUE	0.00	1,000.00	(1,000.00)	0.0%
626-004 · ORDINANCE ENFORCEMENT	0.00	2,000.00	(2,000.00)	0.0%
642-001 · ZONING BOARD OF APPEALS	0.00	1,000.00	(1,000.00)	0.0%
642-002 · ZONING SPLITS	0.00	500.00	(500.00)	0.0%
642-003 · PLANNING COMMISSION	0.00	1,000.00	(1,000.00)	0.0%
642-004 · XEROX / ZONING BOOKS	0.00	600.00	(600.00)	0.0%
642-005 · OTHER GRANT REVENUE	0.00	2,500.00	(2,500.00)	0.0%
642-006 · ELECTION REIMBURSEMENT	0.00	100.00	(100.00)	0.0%
651-001 · SENIOR TICKET SALES	0.00	900.00	(900.00)	0.0%
665-001 · INTEREST REVENUE	0.00	1,200.00	(1,200.00)	0.0%
665-002 · INTEREST FROM TAX FUND	0.00	200.00	(200.00)	0.0%
665-004 · SPECIAL MEETINGS - P.C.	0.00	550.00	(550.00)	0.0%
Total Income	0.00	445,810.00	(445,810.00)	0.0%
Gross Profit	0.00	445,810.00	(445,810.00)	0.0%
Expense				
101-000 · GOVERNMENTAL DEPT 101				
101-089 · BAD DEBT EXPENSE	0.00	100.00	(100.00)	0.0%
101-101 · BANK SERVICE CHARGES	0.00	100.00	(100.00)	0.0%
101-704 · WAGES - TRUSTEES	0.00	7,414.00	(7,414.00)	0.0%
101-705 · WAGES - SPECIAL INSPECTIONS	0.00	100.00	(100.00)	0.0%
101-706 · EMPLOYEE BENEFITS	0.00	1,300.00	(1,300.00)	0.0%
101-721 · EMPLOYER'S FICA	0.00	535.00	(535.00)	0.0%
101-722 · EMPLOYER'S MEDICARE	0.00	150.00	(150.00)	0.0%
101-727 · OFFICE SUPPLIES	0.00	6,500.00	(6,500.00)	0.0%
101-730 · COPIER LEASE	0.00	1,900.00	(1,900.00)	0.0%
101-780 · POSTAGE	0.00	1,500.00	(1,500.00)	0.0%
101-800 · INTERNET/WEBSITE/COMCAST	0.00	2,000.00	(2,000.00)	0.0%
101-803 · AUDIT	0.00	5,500.00	(5,500.00)	0.0%
101-804 · BOOKKEEPING	0.00	500.00	(500.00)	0.0%
101-810 · INSURANCE/BONDS	0.00	30,000.00	(30,000.00)	0.0%
101-860 · MEMBERSHIP/MILEAGE	0.00	6,000.00	(6,000.00)	0.0%
101-861 · EDUCATION/TRAINING	0.00	500.00	(500.00)	0.0%

ARMADA TOWNSHIP GENERAL FUND

Profit & Loss Budget vs. Actual

April 2012 through March 2013

	Apr '...	Budget	$ Over Bud...	% of ...
101-901 · PRINTING/PUBLISHING	0.00	1,500.00	(1,500.00)	0.0%
101-921 · TELEPHONE	0.00	2,000.00	(2,000.00)	0.0%
101-922 · STREET LIGHTING	0.00	3,800.00	(3,800.00)	0.0%
101-958 · TAX TRIBUNAL REFUNDS	0.00	300.00	(300.00)	0.0%
101-959 · OTHER REFUNDS	0.00	50.00	(50.00)	0.0%
101-960 · MISCELLANEOUS	0.00	500.00	(500.00)	0.0%
101-961 · FLAGS, BANNERS, SIGNS	0.00	500.00	(500.00)	0.0%
101-962 · DRAIN	0.00	5,205.00	(5,205.00)	0.0%
101-963 · PUBLIC SAFETY	0.00	100.00	(100.00)	0.0%
Total 101-000 · GOVERNMENTAL DEPT 101	0.00	78,054.00	(78,054.00)	0.0%
171-000 · SUPERVISOR DEPT 171				
171-714 · WAGES/SUPERVISOR	0.00	25,499.00	(25,499.00)	0.0%
171-715 · WAGES/SECRETARY	0.00	250.00	(250.00)	0.0%
171-721 · EMPLOYER'S FICA	0.00	1,597.00	(1,597.00)	0.0%
171-722 · EMPLOYER'S MEDICARE	0.00	375.00	(375.00)	0.0%
171-730 · COMPUTER SUPPORT/MAINT	0.00	500.00	(500.00)	0.0%
171-780 · POSTAGE	0.00	50.00	(50.00)	0.0%
171-860 · MEMBERSHIPS/MILEAGE	0.00	500.00	(500.00)	0.0%
171-861 · EDUCATION / TRAINING	0.00	200.00	(200.00)	0.0%
171-958 · MISCELLANEOUS	0.00	200.00	(200.00)	0.0%
Total 171-000 · SUPERVISOR DEPT 171	0.00	29,171.00	(29,171.00)	0.0%
191-000 · ELECTIONS DEPT 191				
191-727 · OFFICE SUPPLIES	0.00	350.00	(350.00)	0.0%
191-731 · VOTING MATERIALS	0.00	1,300.00	(1,300.00)	0.0%
191-780 · POSTAGE	0.00	1,500.00	(1,500.00)	0.0%
191-802 · WAGES/ELECTIONS	0.00	6,000.00	(6,000.00)	0.0%
191-803 · EMPLOYER'S FICA	0.00	375.00	(375.00)	0.0%
191-804 · EMPLOYER'S MEDICARE	0.00	90.00	(90.00)	0.0%
191-805 · MACHINE SETTINGS/REPAIR	0.00	1,000.00	(1,000.00)	0.0%
191-861 · EDUCATION / TRAINING	0.00	600.00	(600.00)	0.0%
191-862 · MILEAGE	0.00	400.00	(400.00)	0.0%
191-863 · CUSTODIAL FEES	0.00	100.00	(100.00)	0.0%
191-901 · PRINTING/PUBLISHING	0.00	1,000.00	(1,000.00)	0.0%
191-910 · QVF PROGRAM	0.00	300.00	(300.00)	0.0%
191-957 · MEALS	0.00	700.00	(700.00)	0.0%
191-958 · MISCELLANEOUS	0.00	500.00	(500.00)	0.0%
Total 191-000 · ELECTIONS DEPT 191	0.00	14,215.00	(14,215.00)	0.0%

ARMADA TOWNSHIP GENERAL FUND

Profit & Loss Budget vs. Actual

April 2012 through March 2013

	Apr '...	Budget	$ Over Bud...	% of ...
209-000 · ASSESSING DEPT 209				
209-712 · LAND DIVISION	0.00	300.00	(300.00)	0.0%
209-727 · SUPPLIES	0.00	150.00	(150.00)	0.0%
209-730 · COMPUTER SUPPORT/MAINT	0.00	2,000.00	(2,000.00)	0.0%
209-780 · POSTAGE	0.00	1,200.00	(1,200.00)	0.0%
209-801 · ASSESSING	0.00	37,000.00	(37,000.00)	0.0%
209-860 · MEMBERSHIPS/MILEAGE	0.00	250.00	(250.00)	0.0%
209-861 · EDUCATION/TRAINING	0.00	800.00	(800.00)	0.0%
Total 209-000 · ASSESSING DEPT 209	0.00	41,700.00	(41,700.00)	0.0%
210-000 · ATTORNEY DEPT 210				
210-801 · SEIBERT & DLOSKI				
210-802 · MISCELLANEOUS MATTERS	0.00	4,500.00	(4,500.00)	0.0%
210-803 · TRAFFIC / POLICE MATTERS	0.00	4,000.00	(4,000.00)	0.0%
Total 210-801 · SEIBERT & DLOSKI	0.00	8,500.00	(8,500.00)	0.0%
Total 210-000 · ATTORNEY DEPT 210	0.00	8,500.00	(8,500.00)	0.0%
215-000 · CLERK- DEPT 215				
215-702 · WAGES/CLERK	0.00	28,000.00	(28,000.00)	0.0%
215-703 · WAGES/DEPUTY	0.00	15,400.00	(15,400.00)	0.0%
215-721 · EMPLOYER'S FICA	0.00	2,691.00	(2,691.00)	0.0%
215-722 · EMPLOYER'S MEDICARE	0.00	630.00	(630.00)	0.0%
215-730 · COMPUTER SUPPORT/MAINT	0.00	1,000.00	(1,000.00)	0.0%
215-780 · POSTAGE	0.00	200.00	(200.00)	0.0%
215-860 · MEMBERSHIP/MILEAGE	0.00	400.00	(400.00)	0.0%
215-861 · EDUCATION / TRAINING	0.00	1,200.00	(1,200.00)	0.0%
215-958 · MISCELLANEOUS	0.00	100.00	(100.00)	0.0%
Total 215-000 · CLERK- DEPT 215	0.00	49,621.00	(49,621.00)	0.0%
247-000 · BOARD OF REVIEW DEPT 247				
247-702 · WAGES/BD OF REVIEW	0.00	1,300.00	(1,300.00)	0.0%
247-721 · EMPLOYER'S FICA	0.00	65.50	(65.50)	0.0%
247-722 · EMPLOYER'S MEDICARE	0.00	19.00	(19.00)	0.0%
247-780 · POSTAGE	0.00	50.00	(50.00)	0.0%
247-861 · EDUCATION/TRAINING/MILEAGE	0.00	200.00	(200.00)	0.0%
247-901 · PRINTING/PUBLISHING	0.00	300.00	(300.00)	0.0%
247-957 · MEALS	0.00	25.00	(25.00)	0.0%
247-958 · MISCELLANEOUS	0.00	25.00	(25.00)	0.0%
Total 247-000 · BOARD OF REVIEW DEPT 247	0.00	1,984.50	(1,984.50)	0.0%

ARMADA TOWNSHIP GENERAL FUND

Profit & Loss Budget vs. Actual

April 2012 through March 2013

	Apr '...	Budget	$ Over Bud...	% of ...
253-000 · TREASURER- DEPT 253				
253-716 · WAGES/TREASURER	0.00	25,499.00	(25,499.00)	0.0%
253-717 · WAGES/DEPUTY	0.00	2,500.00	(2,500.00)	0.0%
253-721 · EMPLOYER'S FICA	0.00	1,860.00	(1,860.00)	0.0%
253-722 · EMPLOYER'S MEDICARE	0.00	450.00	(450.00)	0.0%
253-730 · COMPUTER SUPPORT/MAINT	0.00	2,000.00	(2,000.00)	0.0%
253-780 · POSTAGE	0.00	1,000.00	(1,000.00)	0.0%
253-860 · MEMBERSHIP/MILEAGE	0.00	200.00	(200.00)	0.0%
253-861 · EDUCATION / TRAINING	0.00	1,000.00	(1,000.00)	0.0%
253-958 · MISCELLANEOUS EXPENSE	0.00	100.00	(100.00)	0.0%
Total 253-000 · TREASURER- DEPT 253	0.00	34,609.00	(34,609.00)	0.0%
265-000 · BLGS & GROUNDS DEPT 265				
265-720 · MAINTENANCE EMPLOYEE	0.00	2,500.00	(2,500.00)	0.0%
265-721 · EMPLOYER'S FICA	0.00	155.00	(155.00)	0.0%
265-722 · EMPLOYER'S MEDICARE	0.00	37.00	(37.00)	0.0%
265-728 · OPERATING SUPPLIES	0.00	750.00	(750.00)	0.0%
265-740 · REPAIRS	0.00	4,000.00	(4,000.00)	0.0%
265-741 · MAINTENANCE	0.00	6,000.00	(6,000.00)	0.0%
265-920 · UTILITIES	0.00	4,700.00	(4,700.00)	0.0%
265-922 · ITC GRANT EXPENSES	0.00	5,000.00	(5,000.00)	0.0%
265-923 · WATER/SEWER	0.00	750.00	(750.00)	0.0%
265-958 · MISCELLANEOUS	0.00	250.00	(250.00)	0.0%
Total 265-000 · BLGS & GROUNDS DEPT 265	0.00	24,142.00	(24,142.00)	0.0%
276-000 · TWP CEMETERY DEPT 276				
276-806 · MAINTENANCE	0.00	2,500.00	(2,500.00)	0.0%
Total 276-000 · TWP CEMETERY DEPT 276	0.00	2,500.00	(2,500.00)	0.0%
301-000 · CODE ENFORCER- DEPT 301				
301-721 · EMPLOYER'S FICA	0.00	209.00	(209.00)	0.0%
301-722 · EMPLOYER'S MEDICARE	0.00	50.00	(50.00)	0.0%
301-730 · COMPUTER SUPPORT/MAINT	0.00	300.00	(300.00)	0.0%
301-780 · POSTAGE	0.00	100.00	(100.00)	0.0%
301-802 · WAGES - CODE ENFORCER	0.00	2,400.00	(2,400.00)	0.0%
301-805 · LIQUOR INSPECTIONS	0.00	960.00	(960.00)	0.0%
301-860 · MEMBERSH/SEMINARS/MILEAGE	0.00	400.00	(400.00)	0.0%
Total 301-000 · CODE ENFORCER- DEPT 301	0.00	4,419.00	(4,419.00)	0.0%

ARMADA TOWNSHIP GENERAL FUND

Profit & Loss Budget vs. Actual

April 2012 through March 2013

	Apr '...	Budget	$ Over Bud...	% of ...
371-000 · INSPECTIONS Dept 371				
371-705 · PLAN REVIEW-PERMITS	0.00	5,000.00	(5,000.00)	0.0%
371-706 · ELECTRICAL	0.00	2,000.00	(2,000.00)	0.0%
371-707 · MECHANICAL	0.00	1,500.00	(1,500.00)	0.0%
371-708 · PLUMBING	0.00	1,300.00	(1,300.00)	0.0%
371-711 · BLDG INSP OFFICE HOURS	0.00	200.00	(200.00)	0.0%
371-712 · SECRETARY - BLDG & PLANNING	0.00	22,000.00	(22,000.00)	0.0%
371-721 · EMPLOYER'S FICA	0.00	1,972.00	(1,972.00)	0.0%
371-722 · EMPLOYER'S MEDICARE	0.00	462.00	(462.00)	0.0%
371-727 · OFFICE SUPPLIES	0.00	400.00	(400.00)	0.0%
371-730 · COMPUTER SUPPORT/MAINT	0.00	900.00	(900.00)	0.0%
371-780 · POSTAGE	0.00	75.00	(75.00)	0.0%
371-861 · MEMBERSH/SEMINARS/MILEAGE	0.00	500.00	(500.00)	0.0%
371-921 · TELEPHONE	0.00	300.00	(300.00)	0.0%
371-959 · REFUNDS	0.00	100.00	(100.00)	0.0%
Total 371-000 · INSPECTIONS Dept 371	0.00	36,709.00	(36,709.00)	0.0%
400-000 · PLANNING COMM DEPT 400				
400-711 · PLAN COMM CHAIR	0.00	800.00	(800.00)	0.0%
400-712 · WAGES/P.C.	0.00	4,000.00	(4,000.00)	0.0%
400-713 · WAGES/SECRETARY/TRAINING				
400-714 · MEETING PER DEIUM	0.00	800.00	(800.00)	0.0%
400-713 · WAGES/SECRETARY/TRAINING - Other	0.00	1,000.00	(1,000.00)	0.0%
Total 400-713 · WAGES/SECRETARY/TRAINING	0.00	1,800.00	(1,800.00)	0.0%
400-721 · EMPLOYER'S FICA	0.00	410.00	(410.00)	0.0%
400-722 · EMPLOYER'S MEDICARE	0.00	100.00	(100.00)	0.0%
400-730 · COMPUTER SUPPORT	0.00	750.00	(750.00)	0.0%
400-780 · POSTAGE	0.00	350.00	(350.00)	0.0%
400-805 · COMMUNITY PLANNER	0.00	8,000.00	(8,000.00)	0.0%
400-820 · P.D.R. COMMITTEE	0.00	250.00	(250.00)	0.0%
400-861 · SEMINARS/TRAINING	0.00	1,000.00	(1,000.00)	0.0%
400-901 · PRINTING/PUBLISHING	0.00	400.00	(400.00)	0.0%
400-957 · RECREATION PLAN UPDATE	0.00	1,000.00	(1,000.00)	0.0%
400-958 · MISCELLANEOUS	0.00	50.00	(50.00)	0.0%
Total 400-000 · PLANNING COMM DEPT 400	0.00	18,910.00	(18,910.00)	0.0%
412-000 · ZONING BOARD OF APPEAL DEPT 412				
412-713 · ZBA RECORDING SECRETARY	0.00	300.00	(300.00)	0.0%
412-718 · WAGES/ZONING BOARD	0.00	700.00	(700.00)	0.0%
412-721 · EMPLOYER'S FICA	0.00	62.00	(62.00)	0.0%
412-722 · EMPLOYER'S MEDICARE	0.00	15.00	(15.00)	0.0%
412-780 · POSTAGE	0.00	200.00	(200.00)	0.0%
412-901 · PRINTING/PUBLISHING	0.00	150.00	(150.00)	0.0%
Total 412-000 · ZONING BOARD OF APPEAL DEPT ...	0.00	1,427.00	(1,427.00)	0.0%

ARMADA TOWNSHIP GENERAL FUND

Profit & Loss Budget vs. Actual

April 2012 through March 2013

	Apr '...	Budget	$ Over Bud...	% of ...
446-000 · ROADS DEPT 446				
446-750 · MAINTENANCE/CHLORIDE	0.00	28,000.00	(28,000.00)	0.0%
Total 446-000 · ROADS DEPT 446	0.00	28,000.00	(28,000.00)	0.0%
447-000 · ENGINEERS DEPT 447				
447-803 · SPALDING, DeDECKER & ASSOCIATES	0.00	4,500.00	(4,500.00)	0.0%
Total 447-000 · ENGINEERS DEPT 447	0.00	4,500.00	(4,500.00)	0.0%
528-000 · TRANSFER SITE DEPT 528				
528-721 · EMPLOYER'S FICA	0.00	90.00	(90.00)	0.0%
528-722 · EMPLOYER'S MEDICARE	0.00	21.00	(21.00)	0.0%
528-808 · WAGES/TRANSFER SITE	0.00	1,440.00	(1,440.00)	0.0%
528-809 · TRANSFER SITE MONTHLY EXP	0.00	44,300.00	(44,300.00)	0.0%
528-810 · MAINTENANCE	0.00	2,500.00	(2,500.00)	0.0%
Total 528-000 · TRANSFER SITE DEPT 528	0.00	48,351.00	(48,351.00)	0.0%
665-000 · CDBG DEPT 665				
665-719 · SENIOR CITIZENS PROGRAM	0.00	2,166.66	(2,166.66)	0.0%
Total 665-000 · CDBG DEPT 665	0.00	2,166.66	(2,166.66)	0.0%
756-000 · TOWNSHIP PARK DEPT 756				
756-806 · TWP PARK MAINT.	0.00	6,000.00	(6,000.00)	0.0%
756-920 · UTILITIES	0.00	450.00	(450.00)	0.0%
756-921 · PARK MAINTENANCE DIRECTOR	0.00	1,650.00	(1,650.00)	0.0%
756-922 · MILEAGE	0.00	100.00	(100.00)	0.0%
756-923 · EMPLOYER'S FICA	0.00	93.00	(93.00)	0.0%
756-924 · EMPLOYERS MEDICARE	0.00	22.00	(22.00)	0.0%
Total 756-000 · TOWNSHIP PARK DEPT 756	0.00	8,315.00	(8,315.00)	0.0%
758-000 · SMART MUNICIPAL CREDITS	0.00	2,822.00	(2,822.00)	0.0%
759-000 · SMART COMMUNITY CREDITS				
759-001 · SENIOR SMART COMMUNITY CREDITS	0.00	3,183.00	(3,183.00)	0.0%
759-002 · P.A.L. SMART COMMUNITY CREDITS	0.00	2,352.00	(2,352.00)	0.0%
759-003 · ACEP SMART COMMUNITY CREDITS	0.00	1,383.00	(1,383.00)	0.0%
Total 759-000 · SMART COMMUNITY CREDITS	0.00	6,918.00	(6,918.00)	0.0%
794-000 · SENIOR CENTER				
794-719 · WAGES DIRECTOR	0.00	16,068.00	(16,068.00)	0.0%
794-721 · EMPLOYEE FICA	0.00	997.00	(997.00)	0.0%
794-722 · EMPLOYEE MEDICARE	0.00	233.00	(233.00)	0.0%
794-724 · COMPUTER SUPPORT/MAINTENANCE	0.00	1,000.00	(1,000.00)	0.0%
794-727 · OFFICE SUPPLIES	0.00	500.00	(500.00)	0.0%
794-771 · BINGO/CRAFTS/PICNIC	0.00	2,250.00	(2,250.00)	0.0%
794-780 · POSTAGE	0.00	20.00	(20.00)	0.0%
794-811 · SENIOR TRANSPORTATION	0.00	500.00	(500.00)	0.0%
794-812 · TICKETS	0.00	900.00	(900.00)	0.0%
794-920 · UTILITIES	0.00	2,000.00	(2,000.00)	0.0%
794-921 · TELEPHONE	0.00	2,000.00	(2,000.00)	0.0%

ARMADA TOWNSHIP GENERAL FUND

Profit & Loss Budget vs. Actual

April 2012 through March 2013

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794-981 · EQUIPMENT	0.00	200.00	(200.00)	0.0%
794-982 · BUILDING MAINTENANCE	0.00	1,250.00	(1,250.00)	0.0%
Total 794-000 · SENIOR CENTER	0.00	27,918.00	(27,918.00)	0.0%
970-000 · CAPITAL OUTLAY				
975-003 · UPSTAIRS RENOVATION	0.00	37,212.40	(37,212.40)	0.0%
980-007 · SENIOR CENTER IMPROVEMENTS	0.00	2,500.00	(2,500.00)	0.0%
980-008 · COMPUTER	0.00	5,000.00	(5,000.00)	0.0%
980-010 · LIMESTONE -	0.00	25,500.00	(25,500.00)	0.0%
980-011 · TOWNSHIP PARK IMPROVEMENTS	0.00	12,000.00	(12,000.00)	0.0%
980-122 · TRANSFER SITE IMPROVEMENTS	0.00	1,000.00	(1,000.00)	0.0%
980-125 · GRANT-MATCH FUNDS	0.00	10,000.00	(10,000.00)	0.0%
980-127 · 12" WATER MAIN/ENGINEER/ATTY	0.00	12,005.90	(12,005.90)	0.0%
Total 970-000 · CAPITAL OUTLAY	0.00	105,218.30	(105,218.30)	0.0%
Total Expense	0.00	580,170.46	(580,170.46)	0.0%
Net Ordinary Income	0.00	(134,360.46)	134,360.46	0.0%
Other Income/Expense				
Other Income				
697-000 · BEGINNING FUND BALANCE	0.00	776,748.28	(776,748.28)	0.0%
Total Other Income	0.00	776,748.28	(776,748.28)	0.0%
Net Other Income	0.00	776,748.28	(776,748.28)	0.0%
Net Income	0.00	642,387.82	(642,387.82)	0.0%