

# APPENDICES

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## The Principles Of New Urbanism

The principles of New Urbanism can be applied increasingly to projects at the full range of scales from a single building to an entire community.

### 1. Walkability

- Most things within a 10-minute walk of home and work
- Pedestrian friendly street design (buildings close to street; porches, windows & doors; tree-lined streets; on street parking; hidden parking lots; garages in rear lane; narrow, slow speed streets)
- Pedestrian streets free of cars in special cases

### 2. Connectivity

- Interconnected street grid network disperses traffic & eases walking
- A hierarchy of narrow streets, boulevards, and alleys
- High quality pedestrian network and public realm makes walking pleasurable

### 3. Mixed-Use & Diversity

- A mix of shops, offices, apartments, and homes on site. Mixed-use within neighborhoods, within blocks, and within buildings
- Diversity of people - of ages, classes, cultures, and races

### 4. Mixed Housing

A range of types, sizes and prices in closer proximity

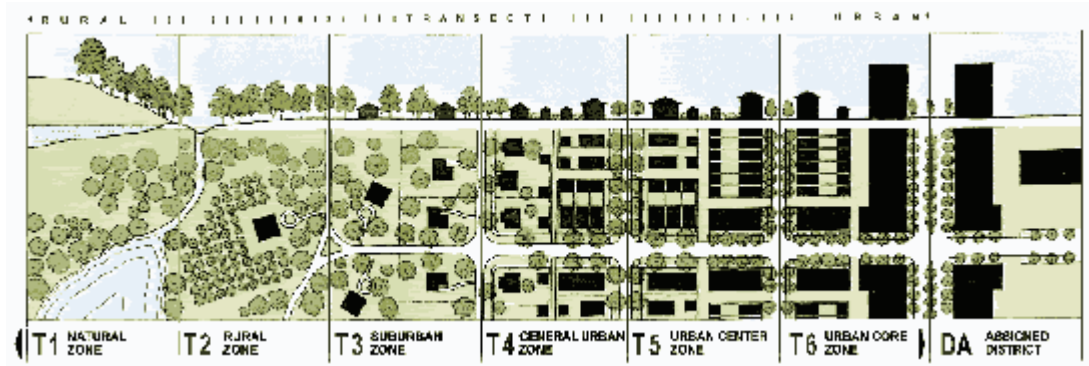
### 5. Quality Architecture & Urban Design

Emphasis on beauty, aesthetics, human comfort, and creating a sense of place; Special placement of civic uses and sites within community. Human scale architecture & beautiful surroundings nourish the human spirit

### 6. Traditional Neighborhood Structure

- Discernable center and edge
- Public space at center
- Importance of quality public realm; public open space designed as civic art
- Contains a range of uses and densities within 10-minute walk
- Transect planning: Highest densities at town center; progressively less dense towards the edge. The transect is an analytical system that conceptualizes mutually reinforcing elements, creating a series of specific natural habitats and/or urban lifestyle settings. The Transect integrates environmental methodology for habitat assessment with zoning methodology for community

design. The professional boundary between the natural and man-made disappears, enabling environmentalists to assess the design of the human habitat and the urbanists to support the viability of nature. This urban-to-rural transect hierarchy has appropriate building and street types for each area along the continuum.



The Transect

## 7. Increased Density

[More information on the transect](#)

- More buildings, residences, shops, and services closer together for ease of walking, to enable a more efficient use of services and resources, and to create a more convenient, enjoyable place to live.
- New Urbanism design principles are applied at the full range of densities from small towns, to large cities

## 8. Smart Transportation

- A network of high-quality trains connecting cities, towns, and neighborhoods together
- Pedestrian-friendly design that encourages a greater use of bicycles, rollerblades, scooters, and walking as daily transportation

## 9. Sustainability

- Minimal environmental impact of development and its operations
- Eco-friendly technologies, respect for ecology and value of natural systems
- Energy efficiency
- Less use of finite fuels
- More local production
- More walking, less driving

## 10. Quality of Life

Taken together these add up to a high quality of life well worth living, and create places that enrich, uplift, and inspire the human spirit.

Taken from <http://www.newurbanism.org/pages/416429/index.htm>

## 2005-06 United Growth for Kent County Members

### Individuals (\$25)

James Buck, City of Grandville Mayor  
 Michael Cary, Grand Rapids Housing Board  
 of Appeals  
 Tom Cary, West Michigan Environmental  
 Action Council  
 Rick Chapla, The Right Place, Inc.  
 Brian Clinger, Westdale Co  
 Stuart and Nancy Cok, Pleasantree Farm  
 Dennis Cole, Prein & Newhof  
 Rod Denning, GVSU Annis Water  
 Resources Institute.  
 Kate Dernocoeur, Vergennes Township  
 Open Space Committee  
 Paul Haan  
 Rev. George Heartwell, City of Grand  
 Rapids Mayor  
 Gail Heffner, Calvin College  
 Denny Heffron, Heffron Farms  
 Jim Ferro, Ada Township  
 James D. Kozal  
 Commissioner Harold Mast, Geneses Non-  
 Profit Housing Corporation  
 Tom McWhertor, Calvin College  
 David Medema, Medema Consulting  
 Marilynn Momber, Michigan Farmers  
 Union  
 Tom Mort, City of Grand Rapids  
 Penelope Pestle, Potential: Community  
 Systems Change  
 Cynthia Price, Greater Grand Rapids Food  
 Systems Council  
 Herb Ranta J.D.  
 Bonnie Robinson, Sparta Township  
 Laurin Waldecker  
 Marsha Wilcox, Vergennes Township Open  
 Space Committee

### Gold Level Members (\$500+)

Alpine Township

### Silver Level Members (\$250)

Ada Township  
 DuRay Development LLC

### Bronze Level Members (\$100)

Aquinas College  
 Calvin College  
 Cannon Township  
 City of Wyoming Clean Water Plant  
 Dyer-Ives Foundation  
 Fair Housing Center of Greater Grand  
 Rapids  
 Gaines Charter Township  
 Jay and Laura Hoekstra  
 Kent County Farm Bureau  
 Lowell Charter Township  
 Michigan Land Use Institute  
 The Rapid  
 Sparta Township  
 Vergennes Township  
 City of Walker  
 Wege Foundation  
 West Michigan Regional Planning  
 Commission  
 Dr. Michael Williams, Aquinas College  
 E. Gabriel Works and John O'Connor

## MSU Land Use Programming Support Resources

| Source   | Purpose  | Resource   | Web Site or Contact Information   |
|--|--|--|---|
| Center for Underground Infrastructure Research     | The primary goal of the CURE is to provide national and international leadership in research, outreach and education activities which enhances cost-effectiveness, construction productivity, environmental improvement and renewal of the aging underground infrastructure.   | <ul style="list-style-type: none"> <li>• Conducts basic and applied research for industry and government agencies</li> <li>• Prepares educational and curriculum materials and organizes courses to assist faculty to teach underground infrastructure courses</li> <li>• Conduct web-based distance education courses, conferences and workshops</li> <li>• Assist industries in developing and evaluating new methods and products</li> <li>• Establishes and disseminates standard guidelines and specifications</li> <li>• Develop contractor, designer and inspector certification programs.</li> <li>• Work closely with professional &amp; trade organizations/associations and university/research centers.</li> </ul> | <a href="http://www.msucuir.org">http://www.msucuir.org</a><br><br>CUIR<br>205 Farrall Hall<br>MSU<br>East Lansing, MI<br>48824<br>Tel: (51) 432-4937<br><a href="mailto:najafi@msu.edu">najafi@msu.edu</a>   |
| Citizen Planner Program and Online Citizen Planner | <p>The Citizen Planner Program was designed to address the basic ongoing training needs of citizens appointed to serve on local land use planning boards and commissions. A primary goal of the program is to equip community leaders and interested citizens with the technical knowledge, understanding of the legal framework of planning and zoning, and leadership skills to perform their duties more effectively, and to create a forum to build a volunteer core of program participants/graduates to advance good land use education within their communities.</p> <p>Citizen Planner is a seven-week, non-credit course series leading to an optional certificate of competency awarded by MSUE. Earning the certificate involves the successful completion of seven core courses and the performance of community-oriented service and land use planning or related activities.</p> | <p>The course fee is \$315 per participant for the core seven sessions, which covers registration, course materials in an expandable notebook, and refreshment breaks. Individual sessions are available at \$65 per participant per session.</p> <p>Locally Selected Topic sessions are available at \$35 per participant per session. Group rates and local scholarships may be available to subsidize course costs (check with your local county MSU Extension office).</p> <p>The Citizen Planner curriculum was developed in partnership with the Michigan Association of Planning. Core sessions required to earn a MSUE Citizen Planner certificate include:</p>  | <a href="http://www.msue.msu.edu/cplanner">http://www.msue.msu.edu/cplanner</a><br><br>Wayne Beyea<br>State Coordinator<br>Citizen Planner Program<br>80 Ag Hall<br>East Lansing, MI 48824<br>Tel: (517) 432-7600<br><a href="mailto:cplanner@msu.edu">cplanner@msu.edu</a><br><a href="mailto:beyea@msu.edu">beyea@msu.edu</a> |

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| <p>Citizen Planner Program and Online Citizen Planner (continued)</p> | <p>Instructors for the training program include members of MSU Extension staff, practicing planners, attorneys, university faculty, government officials, developers and other leaders involved in the local planning process. Sessions 3 and 4 are taught by MSP-certified instructors.</p> <p>To successfully implement a local Citizen Planner Program takes careful planning and preparation. In most instances, county extension offices begin the process 4-6 months in advance of the anticipated start of the course. While each county presents a unique set of circumstances and needs, much has been learned about the key elements of a successful program.</p> <p>To schedule a program for your community, visit the web site under “delivery” or contact Wayne Beyea.</p> | <p>1. Introduction to Planning and Zoning: Smart Growth, Ethics, and Planning Resources</p> <p>2. Legal Foundations of Planning and Zoning: Cases, Statutes, and Other Planning Authority</p> <p>3. Roles and Responsibilities Part I: The Planning Team and the Comprehensive Plan</p> <p>4. Roles and Responsibilities Part II: Zoning, Site Plans and the Zoning Board of Appeals process</p> <p>5. Plan Implementation and Development Controls: Subdividing Land, Zoning Controls, and Non-regulatory Techniques</p> <p>6. Best Practices for Innovative Planning and Zoning: Causes of Sprawl, Traditional Design, and Conservation Design</p> <p>7. Art of Community Planning: Participation, Effective Meetings, and Managing Conflict</p> <p>The Citizen Planner Program is also launching a new Online Program. See the Citizen Planner web site for more information.</p> |  |
| <p>Institute of Water Research</p>                                    | <p>The Institute of Water Research (IWR) at MSU provides timely information for addressing contemporary land and water resource issues through coordinated multidisciplinary efforts using advanced information and networking systems. The IWR endeavors to strengthen MSU's efforts in nontraditional education, outreach, and interdisciplinary studies utilizing available advanced technology, and partnerships with local, state, regional, and federal organizations and individuals.</p>   | <p>Activities include coordinating education and training programs on surface and ground water protection, land use and watershed management, and many others. The web site has an extensive list of online mapping resources, publications, and services.</p>   | <p><a href="http://www.iwr.msu.edu/">http://www.iwr.msu.edu/</a></p> |

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| Junior Citizen Planner Program | <p>JCP is an innovative, youth land use education program that was developed through a partnership between Michigan State University Extension's 4-H Youth Development and Citizen Planner programs. The mission of the program is: To develop responsible and involved citizens by educating youth through fun, hands-on learning activities within their communities on land use issues.</p> <p>Junior Citizen Planner is modeled after the successful, adult Citizen Planner program. It was designed to offer land use education, instill decision-making skills and provide hands-on learning experiences that incorporate current technologies and service learning opportunities.</p> <p>Similar to Citizen Planner, the Junior Citizen Planner program is also an optional certificate program for youth participants.</p> | <p>Junior Citizen Planner targets youth in the classroom and 4-H Club setting but may also be used with: day and summer camp programs, Scouts, Campfire, and other youth programs.</p> <p>The program develops participant's skills in becoming good citizens, responsible decision-makers and will develop community pride. The primary subject areas covered in the program are: Social Studies, Civics and Community, Geography, Environmental Science and Land Use Planning and Land Use Technology (GIS, GPS).</p> <p>All 20 activities are accessible from the JCP web site. The activities have been certified to meet both, the Michigan Curriculum Framework Content Standards and Benchmarks for 3rd - 5th grades, however, the activities are appropriate for participants up to age 13 (8th grade).</p> | <p><a href="http://web1.msu.edu/cplanner/jcp/jcp.htm">http://web1.msu.edu/cplanner/jcp/jcp.htm</a></p>               |
| Land Policy Program (LPP)      | <p>Internal grants are awarded to projects focusing on the ten programmatic priority areas:</p> <ul style="list-style-type: none"> <li>• Revitalizing Michigan Cities.</li> <li>• Market Solutions to Land Use Problems.</li> <li>• Viable Agriculture for the Future.</li> <li>• Sustaining Michigan's Water and Natural Resources and Related Industries.</li> <li>• Enhancing Planning and Coordination in Land Use Decision Making.</li> <li>• Creating Healthy Communities.</li> <li>• Equipping State Decision Makers in Land Use.</li> <li>• Empowering Michigan's Citizens in Land Use.</li> <li>• Data Collection, Information and Analysis for Improving Land Use Policy.</li> <li>• National Leadership Profile.</li> </ul>   | <ul style="list-style-type: none"> <li>• Program Planning Grants: \$2,000 - \$5,000 for up to one year.</li> <li>• Program Delivery Grants: \$25,000-\$50,000 per year for up to three years</li> <li>• Rapid Response Grants: \$5,000 - \$10,000 for up to one year</li> <li>• Special Projects Grants: \$10,000 - \$20,000 for up to one year.</li> <li>• Grants to Get Grants: maximum of \$2,000</li> <li>• Graduate Research Scholars Program: Maximum of \$25,000 per year.</li> <li>• Undergraduate Research Scholars Program: Maximum of \$2,000 per year.</li> <li>• Curriculum Development Grants: maximum of \$10,000 for up to one year.</li> <li>• Research and Outreach Equipment Grants: Maximum of \$3,000.</li> </ul>  | <p><a href="http://www.lanpolicy.msu.edu/funding/index.html">http://www.lanpolicy.msu.edu/funding/index.html</a></p> |

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| Land Use Area of Expertise Team (AoE)                    | <p>The Land Use AoE provides support to its active members for travel to AoE meetings, as well as state and national conferences related to land use issues.</p> <p>AoE members can also be resources to help develop and conduct educational programming. Visit the Land Use AoE web site for a list of members.</p> | <p>The AoE covers mileage to meetings via Travel Voucher.</p> <p>The AoE covers the full cost of registration at several state land use conferences.</p> <p>The AoE provides up to \$500 to its active members to present at national land use conferences.</p> <p>AoE members can also seek programming support.</p>                                | <p><a href="http://ntweb11a.ais.msu.edu/luaoe/index.asp">http://ntweb11a.ais.msu.edu/luaoe/index.asp</a></p> <p>Dr. Patricia Norris,<br/>Department of Ag Econ<br/>211F Ag Hall<br/>East Lansing, MI 48824<br/>Tel: (517) 353-7856 or<br/>Tel: (517) 432-4129<br/><a href="mailto:norrisp@msu.edu">norrisp@msu.edu</a></p> |
| Michigan Natural Features Inventory                      | <p>MFNI actively contributes to decisions that impact the conservation of biological and ecological diversity by collecting, analyzing, and communicating information about rare and declining plants and animals, and the array of natural communities and ecosystems native to Michigan.</p>                        | <p>MNFI provides services related to the following:</p> <ul style="list-style-type: none"> <li>• Information Requests</li> <li>• Map Services</li> <li>• Land Use Planning</li> <li>• Conservation Planning</li> <li>• Inventories</li> <li>• Web Database</li> </ul> <p>See the web site for costs.</p>   | <p><a href="http://web4.msu.edu/mnfi/home.cfm">http://web4.msu.edu/mnfi/home.cfm</a></p> <p>Michigan Natural Features Inventory Information Request<br/>PO Box 30444<br/>Lansing MI 48909-7944<br/><a href="mailto:mnfi@msu.edu">mnfi@msu.edu</a></p>  |
| Professional Development resources through MSU Extension | <p>This web site lists many resources for new and existing staff for professional development planning and training.</p>  | <p>Scholarships for travel to conferences and graduate coursework.</p> <p><a href="http://web1.msue.msu.edu/staffdev/Professional_Development/">http://web1.msue.msu.edu/staffdev/Professional_Development/</a></p>  | <p><a href="http://web1.msu.edu/profdev/">http://web1.msu.edu/profdev/</a></p>   |
| Remote Sensing & GIS Research and Outreach Services      | <p>RS&amp;GIS provides multi-disciplinary service and outreach in geospatial technologies applied to human-environmental issues for the MSU campus, government agencies, and other public and private organizations.</p>  | <p><u>Technical Services:</u></p> <ul style="list-style-type: none"> <li>• Land Use/Land Cover</li> <li>• Web-Based GIS</li> <li>• Parcel Mapping</li> <li>• GIS Consulting</li> <li>• Spatial Data Development</li> <li>• Digital Image Processing</li> <li>• Hydrologic Modeling</li> <li>• GPS Mapping</li> <li>• Web Site Development</li> </ul> | <p><a href="http://www.rsgis.msu.edu/">http://www.rsgis.msu.edu/</a></p> <p>RS&amp;GIS<br/>308 Manly Miles<br/>1405 S. Harrison Rd<br/>East Lansing, MI 48823<br/>Tel: (517) 353-7195<br/><a href="mailto:info@rsgis.msu.edu">info@rsgis.msu.edu</a></p>   |

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|---|---|---|--|
| Remote Sensing & GIS Research and Outreach Services (continued)               |   | <p><u>Workshops:</u></p> <ul style="list-style-type: none"> <li>• Fundamentals of GIS</li> <li>• Intro to GPS</li> <li>• Intro to ArcGIS</li> <li>• Aerial Photo Interpretation</li> <li>• Aerial Image Geo-rectification</li> <li>• Michigan MapImage Viewer</li> <li>• Intro to Spatial Analyst</li> <li>• Migrating from ArcView to ArcGIS</li> <li>• Customized training is also available.</li> <li>• The on campus computer lab is available to on and off campus users.</li> </ul> <p><u>Aerial Imagery Archive:</u></p> <ul style="list-style-type: none"> <li>• Over 300,000 black and white historical aerial photos dating from the 1930's</li> <li>• 15,000 digital historical photos</li> <li>• Landscan CD: over 80,000 digital natural-color aerial photos by county</li> <li>• Large collection of Great Lakes shoreline photos.</li> <li>• Open by appointment only. Call (517) 355-3771.</li> </ul> |  |
| Small Town Design Initiative (STDI) and the Community Design Initiative (CDI) | <p>The STDI and CDI are a “go-to” source for Michigan’s cities and small communities for physical environmental design assistance in community development and land use.</p> <p>STDI is designed for communities ranging in population from 500 to 15,000. CDI is primarily for communities above 15,000 population.</p> <p>Communities wishing to receive a STDI or CDI assistance must complete an application package.</p> | <p>STDI and CDI seek projects relating to the imaging/visioning umbrella of physical environmental design. Examples could include downtown streetscapes, parks, bikeways and trails, open space systems, industrial/commercial development, beautification, land use signs, agricultural land preservation, ecosystem management, and residential development.</p> <p>Applications are due on March 15 and September 15. It is anticipated that each project will involve some costs that the community would have to support.</p>  | <p>Brochure and applications forms can be accessed at <a href="http://www.ssc.msu.edu/~LA/smalltowns">http://www.ssc.msu.edu/~LA/smalltowns</a></p> <p>Warren Rauhe<br/>Director<br/>MSU<br/>Landscape Architecture Program<br/>101 UPLA Bldg<br/>East Lansing, MI 48824-1221<br/>Tel: (517) 353-7880<br/><a href="mailto:rauhe@msu.edu">rauhe@msu.edu</a></p> |

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| Urban Collaborators | <p>Urban Collaborators is an initiative housed within MSU Extension. Its mission is to help link MSU's research and outreach resources with the needs of urban communities in several target Michigan cities.</p> <p>Target cities include: Detroit, Flint, Grand Rapids, Lansing, Pontiac, Jackson, and Saginaw. Other cities are also eligible.</p> <p>This joint effort consists of faculty, and staff across the University who are involved with urban issues.</p>  | <p><u>Mini-Grant Program</u>: \$500 - \$2,000 for one year to help community and economic development and land use educators enhance their work with local community development initiatives.</p> <p><u>Internship Program</u>: designed to link student resources and student learning with community development needs in the target cities.</p> <p><u>Urban Planning Partnerships</u>: matches student work teams with a few selected urban planning projects in Michigan cities. Communities must submit a proposal in November. Students begin and complete work during the Spring semester.</p>   | <p><a href="http://www.ssc.msu.edu/~wrp/outreach/urbcol labrs.htm">http://www.ssc.msu.edu/~wrp/outreach/urbcol labrs.htm</a></p> <p>Dr. June Thomas<br/>Co-Director<br/>East Lansing, MI 48824<br/>Tel: (517) 355-1696<br/><a href="mailto:thomasj@msu.edu">thomasj@msu.edu</a></p> <p>Carol Townsend<br/>Co-Director<br/>Kent / MSU Extension<br/>775 Ball Ave NE<br/>Grand Rapids, MI 49503<br/>Tel : (616) 336-3265<br/><a href="mailto:townse36@msu.edu">townse36@msu.edu</a></p> |
| Victor Institute    | <p>The mission of the Victor Institute is to support the wise and responsible use, development, and redevelopment of Michigan's land resources that respects the value and integrity of natural ecosystems by providing research-based information to all stakeholders in the development and redevelopment processes. This mission will be accomplished through the conducting of research, education, and outreach efforts to:</p> <ol style="list-style-type: none"> <li>1) Provide tools and information to enable decision makers make informed decisions;</li> <li>2) Provide a forum for discussion of appropriate land development and use; and</li> <li>3) Achieve optimal development through the wise use and allocation of resources.</li> </ol> | <p>The Victor Institute for Responsible Land Development and Use understands this need to develop an integrated multi-disciplinary perspective and offers local communities effective access to a broad range of MSU research and resources in:</p> <ul style="list-style-type: none"> <li>• Resource development and economics</li> <li>• Regulatory laws and policies,</li> <li>• Financial and liability laws and policies</li> <li>• Water resources and watershed management</li> <li>• Urban planning and policy development</li> <li>• Geography and geographic information systems (GIS),</li> <li>• Soil sciences</li> <li>• Institutional roles and dynamics</li> <li>• Landscape architecture, and others</li> </ul> | <p><a href="http://www.msue.msu.edu/victorinstitute">http://www.msue.msu.edu/victorinstitute</a></p> <p>As of March 2005, Dr. Soji Adelaja and the Land Policy Program is providing leadership and support for the Victor Institute.</p>  |