

# Michigan Department of Energy Labor and Economic Growth

## Public School Site Plan Review Reference Guide

August 10, 2009

The Michigan Department of Energy Labor and Economic Growth (DELEG) has established the Public School Site Plan Review Reference Guide (Guide) for the approval of public school site plans. DELEG is recognized for its expertise in the application of regulatory programs, the understanding of construction requirements necessary for site plan approval, and the availability of staff necessary to carry out the review of construction documents.

Executive Order Number 2009-33 transfers the authority to approve public school site plans from the Superintendent of Public Instruction to Department of Energy Labor and Economic Growth. School districts must still comply with all laws to the extent required by the Construction of School Building Act, MCL 388.851 to 388.855a, and the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1501 to 125.1531.

DELEG conducts site plan reviews to address public health, safety, and welfare concerns for site plan approval. The provisions of this Guide are intended to maintain the current degree of public health, safety and welfare at existing public school sites. Existing site elements not affected by proposed work may remain in place. Only altered site elements are subject to review and approval. Additions or alterations to any site element on an existing site shall comply with this Guide. An addition or alteration shall not cause an existing site element to be in violation of any provision of this Guide. Portions of the site not altered and not affected by the addition or alteration are not required to comply with this Guide.

### **Submission Requirements**

Public school districts and public school academies are required to submit site plans for approval as required under Section 380.1263 of the Revised School Code [MCL 380.1263]. The site plan shall be submitted prior to new buildings, structures, and improvements being constructed, enlarged or relocated on the site. The items of the site plan that are subject to review include but are not limited to roads, parking lots, athletic fields and related structures, earth works that change the site grading, and playgrounds and related structures. Repair, maintenance and demolition of existing site elements do not require site plan approval.

Submissions require 2 sets of site construction documents, a completed Application for School Site Plan Review (form BCC-321) and associated application deposit applied toward the fee to DELEC, Bureau of Construction Codes. Construction documents submitted for the review of work that has a total construction cost in excess of \$15,000 must be sealed and signed by a registered design professional as required by the Michigan Occupational Code, 1980 PA 299, MCL 339.101 *et seq.*

## Land Use

The documents for the school site shall include: a) a survey and legal description of the property, b) all existing, proposed and relocated buildings, structures, improvements, roads, parking lots and landscaping, c) existing and proposed final site grades, floodplains, wetlands, utility structures and easements, and d) the surrounding land use classifications within 100 feet of the site property lines.

DELEG must review all plans within 60 days of submission under section 388.851b(4) of the Construction of School Buildings Act. Any local governing entity that has any ordinances related to the subjects listed below shall respond to DELEG within 30 days after receiving the application with a written notice that it concurs with the proposed site plan or, for informational purposes, supplies written suggested changes to the site plan to comply with any applicable ordinances. If the local governing entity does not respond with either of these options, concurrence with the plan will be assumed.

Driveway	Local governing entity, County Road Commission or Michigan Department of Transportation (local curb cut or right of way access requirements, Michigan Department of Transportation Trunkline access requirements 1969 PA 200; MCL 247.324 <i>et seq.</i> )
Wetlands	Local governing entity or Department of Environmental Quality (1994 Pa 451; MCL 324.101 <i>et seq.</i> )
Pollution Control	Local governing entity or Department of Environmental Quality (1994 Pa 451; MCL 324.101 <i>et seq.</i> )
Soil Erosion	Local governing entity or Department of Environmental Quality (1994 Pa 451; MCL 324.101 <i>et seq.</i> )
Flood Zone	Local governing entity, County Drain Commission, or Department of Environmental Quality (1994 PA 45; MCL 324.101 <i>et seq.</i> )
Water Supply	Local governing entity, local health department, or Department of Environmental Quality (1939 PA 342; MCL 46.171 <i>et seq.</i> and 1994 PA 451; MCL 324.101 <i>et seq.</i> )
Sanitary/Septic System	Local governing entity, local health department, or Department of Environmental Quality (1939 PA 342; MCL 46.171 <i>et seq.</i> and 1994 PA 451; MCL 324.101 <i>et seq.</i> )
Storm Drainage	Local governing entity or County Drain Commission (1939 PA 342; MCL 46.171 <i>et seq.</i> and 1994 PA 451; MCL 324.101 <i>et seq.</i> )
Fire and emergency access	Department of Energy Labor and Economic Growth, Bureau of Fire Services (1941 PA 207; MCL 29.1 <i>et seq.</i> ; Rule 29.1906)
Towers	Federal Aviation Administration and Michigan Aeronautics Commission (1945 PA 327; MCL 259.1 <i>et seq.</i> )

## On-Site Traffic Patterns

### Roads

Pedestrian and motor vehicle traffic shall be separated for the protection of pedestrians. Roads for one-way traffic shall be clearly marked and not less than 20 feet in pavement width. Two-way roads shall not be less than 24 feet in pavement width. All roads, drives and parking shall not be closer than 10 feet from any building.

#### Exception:

Roads, drives and parking can be less than 10 feet from any building if a walkway of at least 5 feet width with a curb or wheel stops is located adjacent to the building.

### Drop-off and Pick-up Areas

A school bus drop-off and pick-up area shall be physically separated from other traffic. Bus queuing shall be sufficient to accommodate the number of busses required to transport the designed student population. Provide a student drop-off and pick-up area for private motor vehicles that is physically separated from a school bus drop-off and pick-up area. On-site queuing for private motor vehicles that drop off students shall be provided in the student drop-off and pick-up area when less than 50% of the student population is serviced with bus transportation. One vehicle queuing space (minimum length of 22 feet) shall be provided for every 10 students in elementary and middle schools and 50 students in high schools. The queuing drive width shall be as prescribed in the Roads Section above and may serve as access to parking and fire lanes.

## Off-Street Parking Requirements

Parking spaces shall not be less than 9 feet wide and 18 feet long. Surfaces of parking spaces and drives may be gravel, asphalt, or concrete. Parking lots shall provide the minimum number of spaces based on the higher of the school or assembly use as calculated below.

Elementary/Junior High/Middle Schools	1 space per employee plus ½ space per classroom	
High School	1 space per employee plus 1 space per 10 students	
Assembly	Auditoriums	1 space per 6 seats
	Multipurpose Rooms	1 space per 6 seats
	Stadiums	1 space per 5 seats

Parking lots shall be provided with approved privacy fence, berm or evergreen landscape screening to prevent parked car headlights from shining onto adjacent residential properties and residential streets. The privacy fence, berm or landscaping shall have a minimum height of 30 inches above the adjacent parking and drive surfaces.

Exceptions:

1. Parking within 1500 feet of the school facility by written agreement with the adjacent property owners may be used to meet the required parking. A map showing all available parking spaces shall be provided.
2. Public parking within 1500 feet of the subject facilities may be used to meet the required parking. A map showing the public parking shall be provided.\
3. New parking spaces required for facilities added to a site will be calculated based only on the added facilities.
4. Existing parking spaces in excess of the requirements for the existing facility may be used to meet the required parking for the addition.

## **Setbacks**

Buildings and structures shall be located in proximity to the property lines and other structures in accordance with Table 602 of the Michigan Building Code. Buildings or structures shall be located no closer to the property line than the height of the proposed building or structure. School signs and message boards shall be not less than 25 feet from a property line parallel with the street. Communications and other tower structures shall be located not closer to any property line than the height of the structure.

## **Athletic Fields and Play Areas**

All athletic fields shall comply with National Federation of State High School Association (NFHS) dimensional and layout requirements. Athletic fields and play structures adjacent to residential property lines shall have 8 foot high evergreen trees with sufficient density to provide visual and sound screening.

Exceptions:

1. Visual and sound screening is not required for athletic fields and play structures 100 feet or more from a residential property.
2. A written agreement from the adjacent property owner approving the proposed site plan relative to the closeness of the athletic field or play structures may be provided.

## **Site Lighting**

Site lighting other than that for athletic fields shall have zero foot candles (fc) of illumination when measured at adjacent residential properties, and no more than 2 fc of illumination at adjacent street frontage. For athletic fields, the maximum lighting levels at residential property lines shall be 0.042 fc for suburban and rural areas with low ambient light, and 1.1 fc for urban areas with medium ambient light. Replacement lighting for athletic fields shall not increase the amount of light on adjacent residential properties than the existing lighting. Two sets of construction documents showing photometrics for the proposed site lighting shall be submitted for review. As an alternative,

Exceptions:

1. Dense evergreen plantings, grade changes, and other screening may be used to mitigate lighting that does not conform to this standard.
2. A written agreement from the adjacent property owner approving the proposed site plan lighting may be provided.

## **Storm Water**

Storm water shall be conveyed to an approved drain or retained on the site. Retention basins shall be designed in accordance with the Michigan Department of Environmental Quality Storm Water Management Guidebook and Bulletin 71 Rainfall Frequency atlas of the Midwest.

## **Dumpster Enclosures**

Dumpsters shall not be visible from adjacent properties. Screening shall be not less than 6 feet high when necessary to provide the visual barrier. Dumpsters more than 6 feet high shall be screened not less than 6 inches above the top of the dumpster. Dumpsters shall not be closer than 10 feet to the building unless the exterior wall has a fire resistance rating of not less than 1 hour in accordance with the Michigan Building Code.