

# NORTHFIELD TOWNSHIP MICHIGAN

8350 Main Street • Whitmore Lake, Michigan 48189-0576  
Telephone: (734) 449-2880 • Fax: (734) 449-0123 • Web Site: [www.twp-northfield.org](http://www.twp-northfield.org)

## Driveway Inspection Form

Property Owner: \_\_\_\_\_

Address: \_\_\_\_\_

Phone #: \_\_\_\_\_ Email Address: \_\_\_\_\_

Length of Driveway: \_\_\_\_\_ Width of Driveway: \_\_\_\_\_

Gravel     Concrete     Bituminous     Other; explain: \_\_\_\_\_

### Please read and sign 'Driveway Requirements'

#### Driveway Design Requirements:

- 1 Driveways shall be at least fifteen feet wide and may be no longer than one thousand feet. If over 1000 feet, a variance may be applied for with approval of the Fire Chief on layout and design.
- 2 All gravel driveways that provide access to active areas of construction must be completed and capable of bearing emergency vehicle loads before construction activities may commence. All paved driveways that provide access to active areas of construction must have the first course of bituminous or concrete material completed and capable of bearing emergency vehicle loads before construction activities may commence.
- 3 Minimum driveway cross-sections are included on the "Driveway Cross Sections" page on our website.
- 4 Parking lot pavement sections shall be designed to accommodate the types of traffic anticipated.

**X** \_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

#### FOR OFFICE USE ONLY

Approved

Denied

Partial Approval

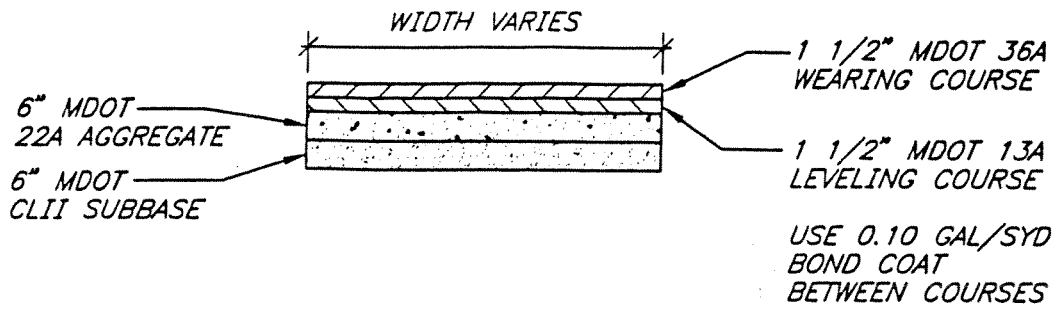
Notes: \_\_\_\_\_

\_\_\_\_\_  
Signature

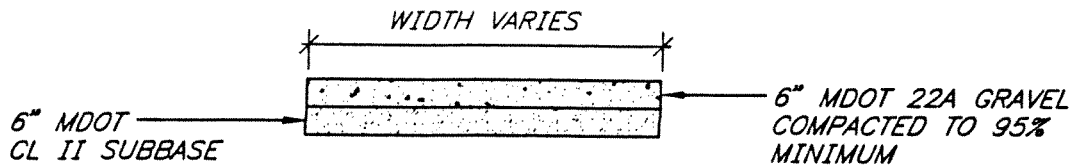
\_\_\_\_\_  
Date

\_\_\_\_\_  
Received by

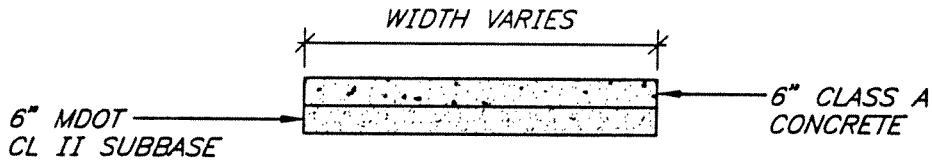
\_\_\_\_\_  
Date



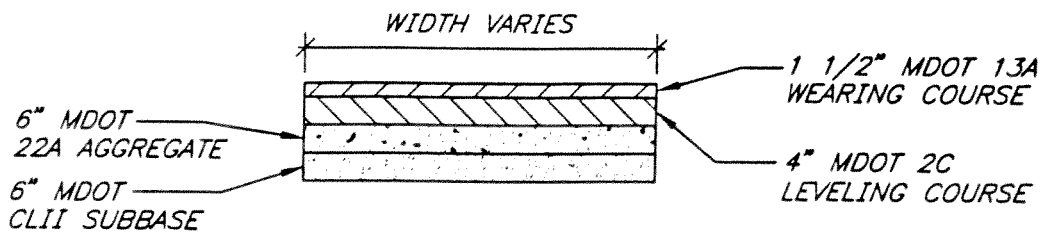
**BITUMINOUS DRIVE**



**GRAVEL DRIVE**



**CONCRETE DRIVE**



**INDUSTRIAL DRIVE**

	ORIGINAL ISSUE	DECEMBER 1996	TITLE	PAGE NUMBER
	SCALE:	NONE	DRIVEWAY CROSS SECTIONS	G-5
	REV.	BY:		
	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p><b>NORTHFIELD TOWNSHIP</b></p> </div>			

6.07 Private Street Cul-de-sacs

- a) All dead-end streets shall terminate in a cul-de-sac. Where cul-de-sacs represent a permanent termination of a proposed street, the maximum length of road shall be 500 feet from intersection to center of cul-de-sac.
  
- b) The cul-de-sac right-of-way radius shall be 75 feet. The outside radius of the cul-de-sac (at edge of metal) shall be 50 feet. A 23-foot radius (at edge of metal) landscape island may be permitted in the center of residential cul-de-sacs, at the discretion of the Township Engineer, provided low-maintenance ground cover or landscape material is proposed, and an adequate mechanism for perpetual maintenance of the landscaping is developed.

At the bulb of the cul-de-sac, the right-of-way radii shall be 50 feet and the pavement radii (at edge of metal) shall be 125 feet.

- c) Pavement grades in the cul-de-sac bulb shall have a minimum cross grade of 2 percent. Grades along the curb shall be minimum 0.5 percent. A detail drawing of each cul-de-sac bulb is required, with adequate spot elevations to demonstrate proper drainage and compliance with Township standards.

6.08 Driveway Design

- a) Driveways shall be at least fifteen-feet wide and may be no longer than one thousand-feet.
  
- b) All gravel driveways that provide access to active areas of construction must be completed and capable of bearing emergency vehicle loads before construction activities may commence. All paved driveways that provide access to active areas of construction must have the first course of bituminous or concrete material completed and capable of bearing emergency vehicle loads before construction activities may commence.
  
- c) Minimum driveway cross-sections are included in the Details.
  
- d) Parking lot pavement sections shall be designed to accommodate the types of traffic anticipated.

Industrial parking lots shall consist of the following minimum cross-section:

- 1-½" bituminous aggregate wearing course MDOT mix 13A.
- 4" bituminous aggregate leveling course MDOT mix 2C (2 courses). Use 0.10 gal/SY bond coat between courses.
- 6" MDOT No. 22A aggregate.
- Shaped and compacted native granular subbase of 6" MDOT C1 II granular material.

Light-duty parking lots shall consist of the following minimum cross-section:

- 1-½" bituminous aggregate wearing course MDOT mix 36A.
- 1-½" bituminous aggregate leveling course MDOT mix 13A. Use 0.10 gal/SY bond coat between courses.
- 6" MDOT No. 22A aggregate.
- Shaped and compacted native granular subbase of 6" MDOT C1 II granular material.

Areas subject to heavy truck traffic must be designed with an adequate pavement structure, designed to accommodate the anticipated loads.

- e) Driveway approaches onto county roads shall be designed per WCRC standards.
- f) Alternate pavement designs shall be designed in accordance with the AASHTO *Guide for Design of Pavement Structures*, latest edition. The Design Engineer shall submit detailed calculations, including justification for design parameters and traffic estimates, including load calculations.