



Meeting Date: 3/18/13  
 Agenda Item: # 6

**VILLAGE OF HOWARD PLAN COMMISSION  
 APPLICATION**

**REPORT TO:** Burt McIntyre, President  
 Village Plan Commission  
 Village Board of Trustees

**REPORT FROM:** Dave Wiese, Director of Community Development

**REPORT WRITTEN:** March 12, 2013

**REPORT SUBJECT:** Agenda Item #6  
 Review and take action on a site plan for Solberg Company to allow the installation of a satellite dish antenna at 1520 Brookfield Avenue.

<b>TYPE OF SUBMITTAL</b>	Site Plan
<b>DATE SUBMITTED</b>	March 5, 2013
<b>FEE</b>	N/A
<b>SIGNATURE</b>	

**BACKGROUND**

<b>BASIC INFORMATION</b>	
<b>Project Name</b>	The Solberg Company
<b>Applicant Name/Contact No./ Email</b>	Dave Pelton, 920-593-9447, <a href="mailto:dave.pelton@solbergfoam.com">dave.pelton@solbergfoam.com</a>
<b>Subject property address</b>	1520 Brookfield Avenue
<b>Abbreviated Legal</b>	VH-3175
<b>Consultant</b>	N/A
<b>Size of Parcel</b>	10.02 Acres
<b>Existing Zoning</b>	General Industrial
<b>Requested Zoning</b>	N/A
<b>Comp. Land Map Designation</b>	Industrial

The Solberg Company is requesting approval to install a satellite dish on the roof of the building to provide a backup path to the network during any hardline network outages. Solberg's parent company is installing these backup dishes at all facilities in North America to prevent downtime as much as possible. The dish itself is 1.8 meters in diameter (approximately 6 feet) and is white in color. The building is approximately 28 feet tall, and the dish will be located not less than 100 yards from the nearest road, Brookfield Avenue. To the casual viewer, the roof mount will be essentially unseen, and the dish will be no more prominent than the front end of a pickup truck at the opposite end of a football field from the viewer.

**RECOMMENDED ACTION**

Staff recommends approval of the proposed site plan for The Solberg Company for the installation of a 1.8 meter satellite dish.

## **ATTACHMENTS**

- I. Antenna Zoning Regulations
- II. Background and Pictures

### ATTACHMENT I

#### **Sec. 50-984. - Roof-mounted antennas.**

Antennas are allowed on the roof of any building in any zoning district, except that roof-mounted satellite dish antennas greater than one meter in diameter or width (see [section 50-6](#) for the definition of satellite dish antenna) are not permitted in any residential or agricultural zone. Where roof mounting is permitted, antennas shall not occupy more than 25 percent of a roof area.

*(Comp. Ords. 2000, § 17.03(17)(b))*

#### **Sec. 50-985. - Height.**

Antennas may be constructed to a maximum height of 20 feet above the maximum building height permitted for the zoning district in which such antenna is located.

*(Comp. Ords. 2000, § 17.03(17)(c))*

#### **Sec. 50-986. - Number.**

Only one antenna exceeding the applicable zoning district building height limitations shall exist at any one time on any lot in a residential or agricultural zoning district.

# **REQUEST FOR APPROVAL**

**SOLBERG SATELLITE ANTENNA INSTALLATION**

**THE SOLBERG COMPANY  
1520 BROOKFIELD AVENUE  
HOWARD, WI 54313**

**FEBRUARY 28, 2013**

## **1. SUMMARY AND BACKGROUND**

The Solberg Company is a subsidiary of McWane, Inc. headquartered in Birmingham, AL. While Solberg's operations are conducted in Howard, WI, we use computer assets located at the Birmingham, AL datacenter for production planning, inventory control, sales and shipping functions, electronic mail, and the like.

Solberg uses hardline network communications between our facility and the Birmingham datacenter. In the event of a network outage, even one due to problems located far away from our facility, our operations can be significantly impacted and may even result in idling the facility.

We are requesting approval to install a satellite dish on the roof of our building to provide a backup path to the network during any hardline network outages. McWane is installing these backup dishes at all facilities in North America to prevent downtime as much as possible.

## **2. PROJECT SPECIFICS**

Install a 1.8 meter-diameter (approximately 6 feet) satellite dish on top of the warehouse portion of the Solberg facility located on Brookfield Avenue.

The dish itself is 1.8 meters in diameter (approximately 6 feet) and is white in color. The dish will be mounted to a non-penetrating roof mount; this ensures the dish is securely in place on the roof, but does not compromise the integrity of the roof itself. Cabling will be installed to enter the building at the nearest possible location to the dish, and will be routed to the computer room within the building.

The building is approximately 28 feet tall, and the dish will be located not less than 100 yards from the nearest road, Brookfield Avenue. To the casual viewer, the roof mount will be essentially unseen and the dish will be no more prominent than the front end of a pickup truck at the opposite end of a football field from the viewer.

Verizon is the operator of the satellite network. Their subsidiary Expedition Communications or a proxy will conduct the actual installation of the dish.

## **3. SAMPLE PHOTOGRAPHS OF COMPLETED INSTALLATIONS**

Attached are a selection of photographs showing already installed dishes representative of this project:



Ground view of the Solberg building on Brookfield Avenue. The dish will be installed on the warehouse portion of the building (reference red color arrows), which is the raised white portion of the building in the center of the photograph (note loading dock doors on that portion of building).



Satellite dish installed on the roof of Clow Water Systems, another McWane subsidiary, in Coshocton, OH. This dish is installed only 20 feet from the edge of the building; our installation will be further from the edge of the building. Note the non-penetrating roof mount anchored with blocks; the number of blocks used depends upon the height of the roofline above ground; this one uses approximately 950 pounds of blocks.



View of the same dish at Clow Water Systems from street level, approximately 60 yards from the building.



Satellite dish installed on the roof of Manchester Tank Quincy, another McWane subsidiary, in Quincy, IL. Compare the height of the dish assembly to other common rooftop items found on industrial buildings.



Another installed dish of the same class, but mounted on top of a retail building in Lake Zurich, IL (photo provided by installer). Included to show the relative size of the dish assembly to other common rooftop elements.