#### NORTHFIELD TOWNSHIP BOARD AGENDA

NOTICE OF SPECIAL MEETING

June 28, 2016 - - 6:00 PM 8350 Main Street, 2<sup>nd</sup> Floor

CALL TO ORDER
PLEDGE/INVOCATION
ROLL CALL
ADOPT BALANCE OF AGENDA
CALL TO THE PUBLIC
BOARD MEMBER COMMENTS

#### AGENDA ITEMS

- 1. Closed Session:
  - a. To consider the personnel evaluation of a public officer, employee, staff member, or individual agent, pursuant to MCL 15.268(8)(a)
  - b. To consider the purchase or lease of real property up to the time an option to purchase or lease that real property is obtained, pursuant to MCL 15.268(8)(d) +
- 2. Possible action as a result of Closed Session +

2<sup>nd</sup> CALL TO THE PUBLIC BOARD MEMBER COMMENTS ADJOURNMENT

\* Denotes previous backup; + denotes no backup in package

Website: www.twp-northfield.org

This notice is posted in compliance with PA 267 of 1976 as amended (Open Meetings Act) MCLA 41.72A (2) (3) and the Americans with Disabilities Act. (ADA) individuals with disabilities requiring auxiliary aids or services should contact the Northfield Township Office, (734-449-2880) seven days in advance.

# **Northfield Township**

Public Safety Director Evaluation

Name:			Date:	1407 <u>4</u>
Ratings:	5	OUTSTANDING		
Natings.	4	GOOD		
	3	AVERAGE		
	2	MODERATE		
	1	POOR		
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	Comm	ents:		
	2.		es responses to public requests and complaints in a timely,	
		courteous manne	r.	
	Comm	ents:		
1				
	3.	Plans and organiz	es the implementation of the Board's goals.	
	Comm	ents:		
	4.	Establishes and m	naintains a township organizational structure that delegates	
		authority and det	ermines accountability among department heads and their	
		staff.		
	Comments:			
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	5.		kills and job positions necessary to carry out Township business ent and cost effective way possible and hires qualified people to	
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fill these positions.  Comments:				
	COMMIN			

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	1.	Plans and organizes the preparation of an annual budget in a readable, well-	
		documented manner; crafts and refines budget policy; engages department	
		heads in budget preparation; and educates the Board on specific budget issues	
		that affect such policy.	
	Comments:		
	Comments:		
			Printed and the second
	2.	Maintains necessary controls to administer adopted budget within approved	
		revenues and expenditures per budget resolution policy.	
	Comm	ents:	
			III
	3.	Keeps Board informed of budget concerns.	
	C = 112 112		
	Comm	ents:	
	4.	Anticipates future financial needs of the Township, both for capital projects and	
		operations, and plans to meet those needs.	
	Comm	ents:	
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	2. Knowledgeable of State and Federal legislation affecting the Township, and			
	makes plans accordingly.  Comments:			
	3. Anticipates future growth, trends, and needs of the Township, and plans and			
	organizes for them.			
	Comments:	<u> </u>		
		6		
5. Relatio	ns with Township Board	Scores		
	1. Is available to all Board members and addresses their questions and concerns in			
	a timely manner .  Comments:			
	comments:			
	2. Assists Board in developing policies.	(FIGURE)		
	2. Product Board in developing periodes			
	Comments:			
	3. Prepares materials for presentation in a concise, clear, and comprehensive			
	manner.			
	Comments:			
6. Relatio	nship with employees	Scores		
	1. Communicates emerging issues, staff concerns, and current plans and activities			
	of staff to the Board in a timely manner, either verbally or in writing.			
	Comments:			
	2 Maintains contact and professional interaction with all levels of the Township	CONTRACTOR		
	2. Maintains contact and professional interaction with all levels of the Township organization.			
	Comments:			
	Comments.			
	3. Establishes and maintains systems and programs for employee involvement in			
	decision making to further the "team".			
	Comments:			

7. Relations	ship to the Public	Scores	
	1. Ensures that attitude and feeling of helpfulness, courteousness, sensitivity, and		
	fairness exists in employees coming in contact with the public.		
	Comments:		
	2. Establishes and maintains an image of the Township to the community that represents service, vitality, and professionalism.		
	Comments:		
	3. Establishes and maintains a liaison with public and private non-governmental agencies, organizations, and groups involved in activities and services relating to the Township.		
	Comments:		
	4. Handles inquiries from the news media in a professional manner.		
	Comments:		
	5. Maintains timely, appropriate, and courteous responses to citizen requests and concerns.		
	Comments:		
C. Intergove		Scores	
8. Meigove	rnmental Relations 1. Maintains communication with local governmental units with which the	300163	
	Township is involved or interfaces.		
	Comments:		
	Involved in regional activities and leadership that will indirectly benefit the		
	township, and promotes intergovernmental cooperation.  Comments:		
achimonal			
	3. Deals effectively with other township, village, city, county, and state managers.		
	Comments:		

1. Continuing Education: Seeks professional improvement by attending pertinent seminars and conferences.  Comments:  2. Up To Date: Stays informed of information and technology affecting the Township Comments:  3. Self Motivated: Demonstrates initiative and resourcefulness.  Comments:  4. Positivity: Maintains a positive attitude towards the Township and position.  Comments:  5. Ethical: Expects high ethical standard for him/herself and staff.  Comments:  6. Pro-Active: Addresses issues before they become problems.  Comments:  7. Problem Solver: Creatively and aggressively pursues solutions to issues.  Comments:  8. Leadership: Motivates staff to do their best.  Comments:	ofessionalism	Score
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9. Sensitivity: Aware of impacts that his/her decisions have on others.	Comments:	
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10.	Good Judgment: Decisions made are welfare of citizens.	e logical and address health, safety, and	
Comm	ents:		V
11.	Communication: Able to effectively and in writing.	communicate with the public, both verbally	
Comm	-1		
Additio	onal Comments:		
Public	Safety Director Self-Evaluation:		
Public	Safety Director Comments:		
Board	Member Signature	Date	
Public	Safety Director Signature	 Date	

#### NORTHFIELD TOWNSHIP BOARD WORKSHOP AGENDA June 28, 2016 - - 7:00 PM 8350 Main Street, 2<sup>nd</sup> Floor

CALL TO ORDER
PLEDGE/INVOCATION
ROLL CALL
ADOPT BALANCE OF AGENDA
CALL TO THE PUBLIC
BOARD MEMBER COMMENTS
CORRESPONDENCE AND ANNOUNCEMENTS

#### AGENDA ITEMS:

- 1. Hiring of Part-time Police Officer Corey Johnston
- 2. Resignation of Police Officer Michael Buxton
- 3. Verizon Cell Tower
- 4. Living Water Conditional Use
- 5. Inspector Contract
- 6. Resolution 16-544: to set Public Hearing for Arvin Sango Tax Abatement (IFT Application)
- 7. Resolution 16-545: Change to Polling Location for Precincts 1 & 3
- 8. Budget Amendments
  - a. Resolution 16-546: Amendments to 2016 budget
  - b. Resolution 16-547: Amendments to 2017 budget

#### **DISCUSSION ITEMS:**

- 1. Financing of Van Curler Property
- 2. Review of Soil Boring Results and Environmental Analysis for Van Curler Property
- 3. Fire Department Capital Improvement Plan (CIP)
- 4. Property Acquisition from Tax Sale

2<sup>nd</sup> CALL TO THE PUBLIC BOARD MEMBER COMMENTS ADJOURNMENT

\* Denotes previous backup; + denotes no backup in package

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# Northfield Township Public Safety

8350 Main Street, Whitmore Lake, MI 48189 Fire: 734-449-2385 • Fax: 734-449-2521 Police: 734-449-9911 • Fax: 734-449-0511 www.twp.northfield.mi.us



#### NORTHFIELD TOWNSHIP POLICE DEPARTMENT AGENDA ITEM FOR THE BOARD OF TRUSTEES MEETING OF JUNE 28, 2016

TO:

The Northfield Township Board of Trustees

FROM:

Lieutenant Timothy Greene

#### PERSONNEL ISSUE

I request your acceptance of the letter of resignation, submitted June 8, 2016, of Part-Time Police Officer Michael Buxton, effective June 18, 2016.

In addition, we request the approval to promote Reserve Officer Corey Johnston to the position of Part-Time Probationary Police Officer contingent upon the successful completion of all Departmental and State (M.C.O.L.E.S.) requirements. Reserve Officer Johnston became a Reserve for Northfield Township Police Department on October 28, 2016. Since joining the Department he has performed his duties in a competent professional manner. Reserve Officer Johnston has strong ties to the community, he grew up in Whitmore Lake and attended Whitmore Lake Schools. He and his family currently reside in the Township. The officer has exhibited and expressed a sincere desire to pursue a career in law enforcement and serve the citizens of Northfield Township.

# BACKGROUND DATA AND IMPACT ASSESSMENT TO SUPPORT

SPECIAL USE APPROVAL

Submitted By:

Verizon Wireless c/o Robert Przybylo

Prepared By:

C&W Consultants, Inc. 1126 N. Main St. Rochester, MI 48307

May 20, 2016 Revised June 6, 2016

# BACKGROUND DATA AND IMPACT ASSESSMENT TO SUPPORT SPECIAL USE APPROVAL

Submitted By:

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Prepared By:

C&W Consultants, Inc. 1126 N. Main St. Rochester, MI 48307

May 20, 2016 Revised June 6, 2016

#### JONATHAN R. CRANE P.C.

#### ATTORNEYS & COUNSELORS 1126 N. MAIN ST. ROCHESTER, MI 48307

JONATHAN R. CRANE BENJAMIN S. HERRICK TELEPHONE: (248) 650-8000 FACSIMILE: (248) 650-9239 EMAIL: JRCPC@SBCGLOBAL.NET

June 6, 2016

Sally Hodges McKenna and Associates 235 E. Main Street Northville, MI 48167 Via Email: shodges@mcha.com

Re:

Verizon Wireless #144 – N. Territorial & Spencer (Fire Station)

Our File No. JC3666-13

Dear Ms. Hodges:

Enclosed pursuant to your request are electronic copies of:

- RJP Letter addressing concerns of coverage, adjacent sites and other matters
- VZW Existing Condition Coverage Map
- VZW Coverage Map with Collocation on Cross Roads Tower
- VZW Coverage Map with AT&T
- VZW Coverage Map with Proposed N. Territorial & Spencer Site
- Wetlands Map of Area
- Revised Site Plan with Sheets 1-5 (Sheet 5 is extensive Fire Station planting)

We trust that this additional information further assists you in this most interesting project.

Very truly yours,

JONATHAN R. CRANE P.C.

Jonathan R. Crane P.E., PCP, J.D.

Attachments

cc: Robert Przybylo (w/attach; via electronic only)

# RJP CONSULTING

June 1, 2016

Planning Commission Northfield Township 8350 North Main Street Whitmore Lake, MI 48189

RE: Verizon Wireless Additional Justification for Tower with additional Propagation Maps

To Whom It May Concern:

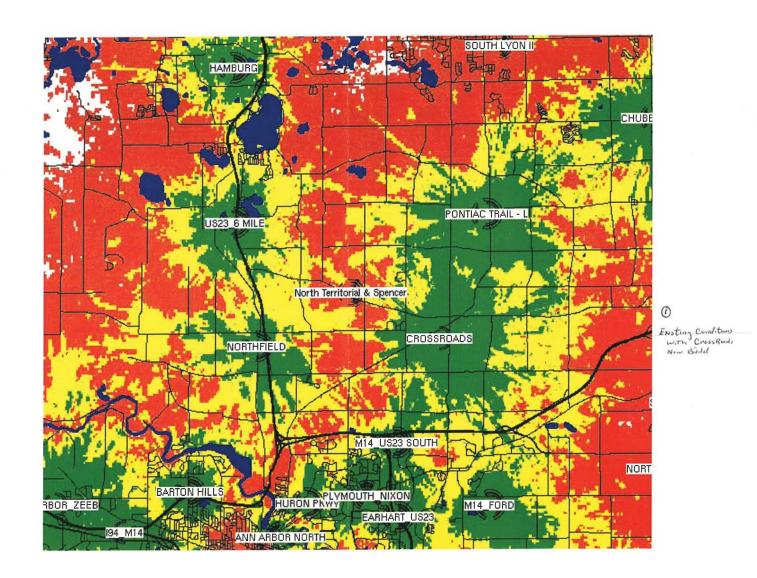
- Clarify 2016 New Build Site in Northfield Township: This site is called VzW 1096 Crossroads and is a collocation on an existing Washtenaw County 195' Self Support tower. It is currently under construction.
- 2. Does additional height from 120' to 150' change the needs of future sites in the township? The answer is no. The increased height provides better coverage but not enough to offset any proposed future sites. The primary purpose of the additional height is to provide the township and other carriers the ability to collocate on the tower at a useful height. At 120', the tower would be the minimum height necessary for Verizon Wireless but would not be theoretically tall enough to provide adequate collocation to other carriers.
- 3. Justification for height increase from 120' to 150': The primary purpose of the additional height is to provide the township and other carriers the ability to collocate on the tower at a useful height. At 120', the tower would be the minimum height necessary for Verizon Wireless but would not be theoretically tall enough to provide adequate collocation to other carriers.
- 4. Additional propagation maps to show ATT and ATC towers less than two miles away cannot be used: As you can see from the revised propagation maps attached, The ATC tower (190' monopole with 180' available) is to far south and west to provide coverage and meet our network objectives of improving service along North Territorial Road and the surrounding area. 180' was used as the antenna mount height. The ATT tower is too far south to meet the same coverage and network objectives. The 350' self-support tower has a 300' rad center available and that is what we used for this analysis. Using this tower would barely improve coverage along North Territorial Road (it would be spotty at best) and provide no improvement for any area north of North Territorial.

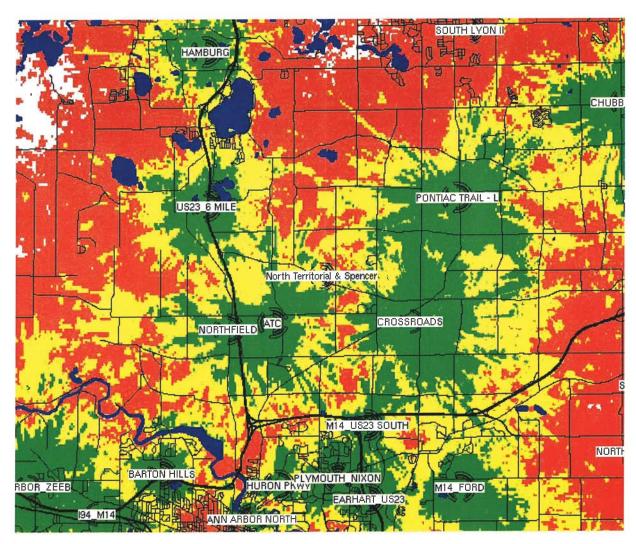
Please call me at (248) 613-4399 if you have any questions.

Sincerely,

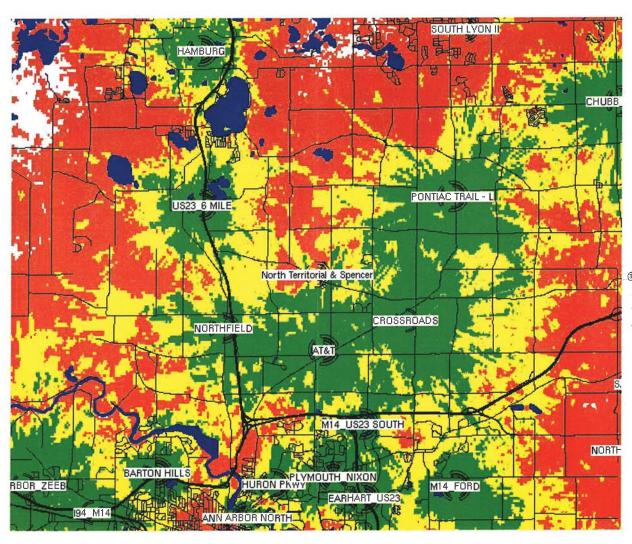
Bob Przybylo

RJP Consulting, Inc. o/b/o Verizon Wireless



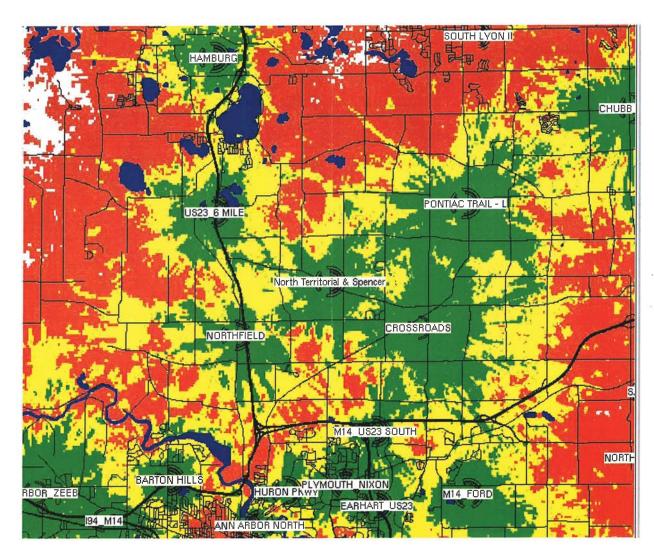


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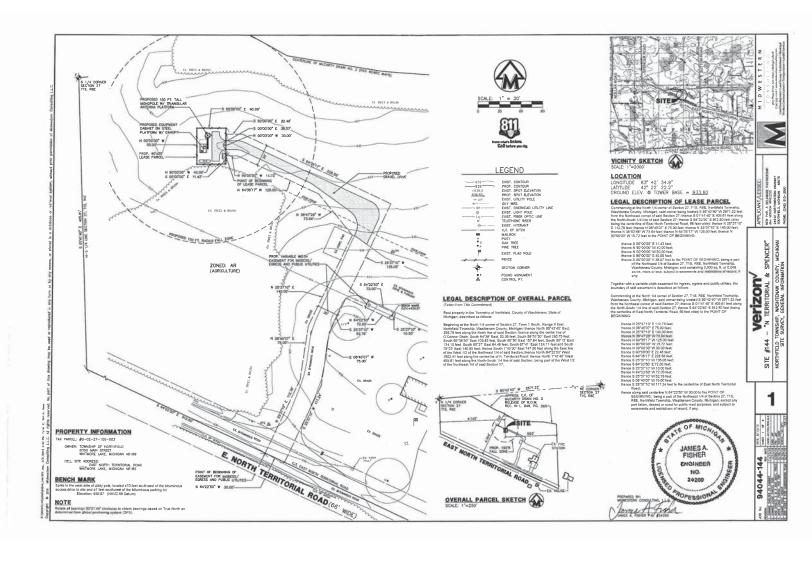
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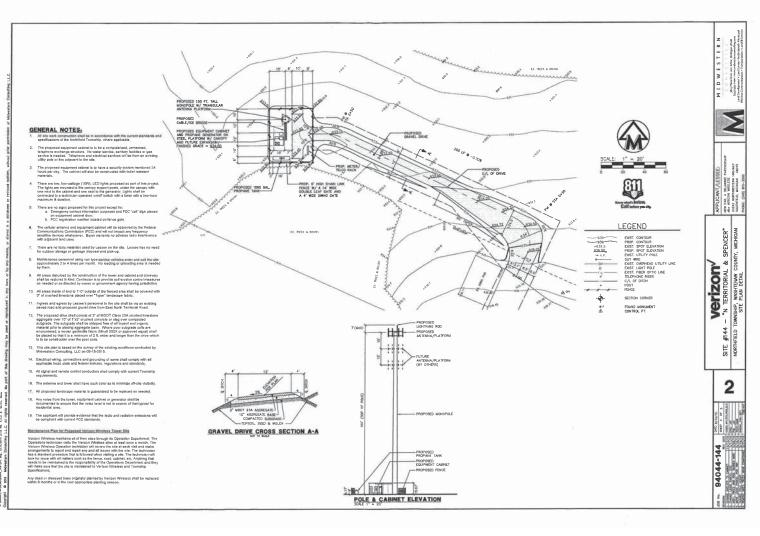
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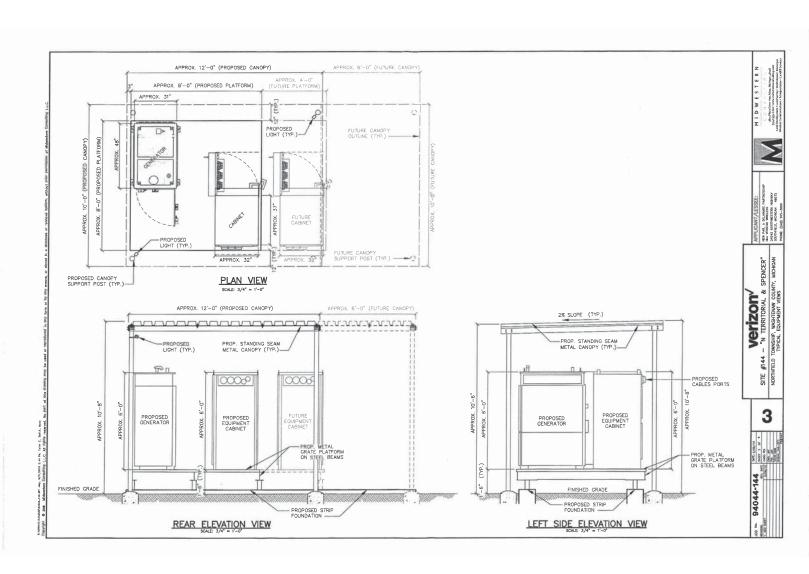


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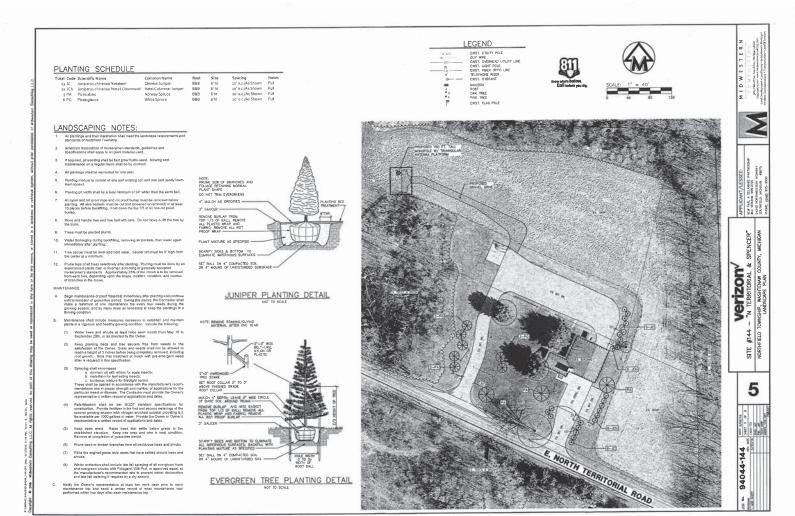












# BACKGROUND DATA AND IMPACT ASSESSMENT TO SUPPORT SPECIAL USE APPROVAL

Submitted By:

Verizon Wireless c/o Robert Przybylo

Prepared By:

C&W Consultants, Inc. 1126 N. Main St. Rochester, MI 48307

May 20, 2016

#### C&W CONSULTANTS, INC. 1126 N. MAIN ST. ROCHESTER, MI 48307

JONATHAN R. CRANE

TELEPHONE: (248) 650-8000 FACSIMILE: (248) 650-9239 EMAIL: JRCPC@SBCGLOBAL.NET

May 20, 2016

Planning Commission Township of Northfield 8350 Main Street Whitmore Lake, MI 48189

Re:

**Development Impact Report** 

Verizon Wireless Project 144 – E. North Territorial

Our File No. JC3666-13

Dear Planning Commission Members:

Verizon Wireless is pleased to submit this report regarding the proposed multi-carrier monopole that comes before you for a Special Use Approval. Since the initial Planning Commission meeting and public hearing, several minor improvements have been incorporated into the E. North Territorial Road project. These changes include:

- Relocation of monopole westerly to take advantage of the existing tree lines.
- Add ground landscaping to further add screening
- Increase monopole height to 150', enhancing coverage
- Developed additional support information

This Special Land Use approval is intended to provide improved wireless communications services at the SE quadrant of the Township. In addition, it is located on a large parcel that is part of Northfield Township Fire Station No. 2. In coordination with this location, the monopole may be used by the Fire Department for future communication needs.

Thank you for your considerations.

Very truly yours,

C&W CONSULTANTS, INC.

Jonathan R. Crane P.E.

#### TABLE OF CONTENTS

Detailed Description of Use

Record Owner of Real Estate

Name, Address and Phone Number of Applicant

Interest of Applicant

**Inventory of Existing Towers** 

Legal Description and Parcel Tax Number

Setback from Nearest Residential Homes

Separation Distance To Other Towers

Landscape Plan

Method of Fencing

Notarized Statement of Tower Availability for Collocation

**Backhaul Network Entities** 

Suitability of Existing Towers and Tall Structures

Any Potential Impacts on Wetlands, Floodplains, Wildlife Preserves, Endangered Species, Historic Sites

Name and Address of Communication Tower Supplier

Technical Analysis Justifying Height

\*\*Total Radiation Output from All Antennae

Maintenance Plan

Written Statement From Zoning Administrator Regarding Existing Condition of Property and Compliance

No Wastewater or Hazardous Waste

#### **Description Of Project**

This Special Use Application is made to permit the construction of a multi-carrier 150' tall monopole adjacent to the Northfield Township Fire Station No. 2 located at the NW corner of E. North Territorial Road and Sutton Road. In addition to the monopole, electric radio/telephone equipment will be located in cabinets at the fenced tower base.

The monopole is proposed to provide structural integrity for several carriers.

#### **Record Owner of Real Estate**

The site is located at the Northfield Township Fire Station No. 2. The record owner is:

Northfield Township 8350 Main Street Whitmore Lake, MI 48189

#### Name of Applicant

RJP Consulting, Inc. 336 Suffield Avenue Birmingham, MI 48009 248-613-4399

On Behalf Of:

Verizon Wireless 24242 Northwestern Highway Southfield, MI 48075

#### **Interest Of Applicant**

Proposed Leasehold Interest

#### **Inventory Of Existing Sites**

Verizon Wireless Currently Uses Sites:

No. 226459 US 23 @ 6 Mile

No. 226513 US 23

No. 226682 Pontiac Trail Road

No. 226628 M151 @ US 23

Proposed Site Under Contract at Pontiac Trail & Dixboro

Unoccupied Towers Include:

American Tower Site & ATT Site (both south of this location)

Both sites are too close to existing sites and do not match the service grid utilized by Verizon Wireless.

Existing sites are shown on the attached drawing (Exhibit 1).

#### Legal Description And Tax Parcel No.

The site Tax Parcel No. is 8-02-27-100-003

Legal Description and Lease Description are included with Site Plan (Exhibit 2).

#### Setback From Nearest Residential Home

See Sheet 4 of Site Plan (Exhibit 3).

Estimated Distances:

N - 500'

S - 800'

E - 600'

W - 1400'

#### **Separation From Other Towers**

Tower locations are shown on the previous location map (Exhibit 1). Note that the proposed E. North Territorial Road site is central to the existing wireless network.

The site is approximately 1.7 miles from an American Tower project and 1.9 miles from an existing AT&T tower.

Apparently, another AT&T tower site was approved by the Planning Commission but never constructed. The Applicant believes these approvals have lapsed and are no longer in effect. Further information regarding this project should be confirmed with AT&T.

#### Landscape Plan

See detailed Site Plan attached with the project (Exhibit 2).

#### Method of Fencing

The site is proposed to be fenced with a 6' high chain link type fence as detailed on Site Plan Sheet 2. The fencing is to be screening (Exhibit 2 – Page 2).

#### Notarized Statement That Tower Is Available For Collocation

Site Plan Detail (Pole and Cabinet) show two future collocation opportunities.

The requested Notarized Statement of Collocation Opportunities is included (Exhibit 4).

#### **Backhaul Network Entities**

Backhaul (landline) network entities have not yet been identified. Backhaul is traditionally provided by a number of providers including: AT&T, Fibercon, Fiber Tech, Zayo, and ACD.Net.

The determination regarding the backhaul providers will be established at a later date after approval of this plan.

#### **Suitability of Existing Towers**

Existing adjacent towers are not positioned to properly serve the Community within the Verizon Wireless Network. Their locations South of the search area would diminish wireless coverage in the areas boarding the US 23/6 Mile and Pontiac Trail sites

Structure height and location is outlined in the attached correspondence from Michael Avery, Verizon Wireless Radio Frequency Engineer (Exhibit 5).

# <u>Potential Impacts On Wetlands, Floodplains, Wildlife Presence Endangered Species and Historic Sites</u>

The site elevation is 936.5' and above any nearby 100 year flood elevations.

The Wetlands Map is attached and indicates no wetlands on or adjacent to the development area (Exhibit 6).

Several wetland areas are noted on the Federal Wetland Boundary Inventory Map attached (Exhibit 6). The new monopole does not impact these wetlands.

The site has no known Wildlife and Endangered Species.

No Historic Sites are identified within the immediate zone of influence regarding this site.

#### Name Of Tower Supplies And Their Addresses

The tower supplier at this time has not yet been finalized since bids are currently being accepted.

Three possible suppliers are:

Nello Corporation

Sabre Industries

Valmont Industries

105 E. Jefferson

7101 Southbridge Ave.

1545 Pidco

South Bend, IN 46601

Sioux City, IA 51102

Plymouth, IN 46563

All contractors will provide properly engineered monopole structures meeting all local, State and Federal codes. The poles will be constructed to Verizon Wireless specifications that generally exceed government standards.

Complete structural details for both the monopole and its foundation will be provided with the Building Permit Application.

#### **Technical Analysis Justifying The Height**

Please see previous letter by Michael Avery, Verizon Wireless Radio Frequency Engineer (Exhibit 5).

Total radiation output from all antennae – Please see Michael Avery letter (Exhibit 7).

#### Maintenance Plan

Detail on Site Plan Sheet 2 states: (Exhibit 2)

#### Maintenance Plan For Proposed Verizon Wireless Tower Site

Verizon Wireless maintains all of their sites through its Operation Department. The Operations technician visits the Verizon Wireless sites at least once a month. The Verizon Wireless Operation technician will review the site at each visit and make arrangements to report and repair any and all issues with with the site. The technician has a standard procedure that is followed when visiting a site. The technician will look for issue with all matters such as the fence, road, cabinet, etc. Anything that needs to be maintained is the responsibility of the Operations Department and they will make sure that the site is maintained to Verizon Wireless and Township specifications.

Any dead or diseased trees originally planted by Verizon Wireless shall be replaced within 6 months or in the next appropriate planting season.

# Statement From Zoning Administrator Regarding Existing Conditions of Project Site And Compliance With Ordinance

**NOT REQUIRED** 

Site is owned, developed and maintained by the Township and believed to be in full zoning and development compliance.

#### Site Wastewater, Hazardous Wastes, Storm Runoff

Site development has no water connections and creates absolutely no hazardous waste, garbage, wastewater nor other demands on the Community.

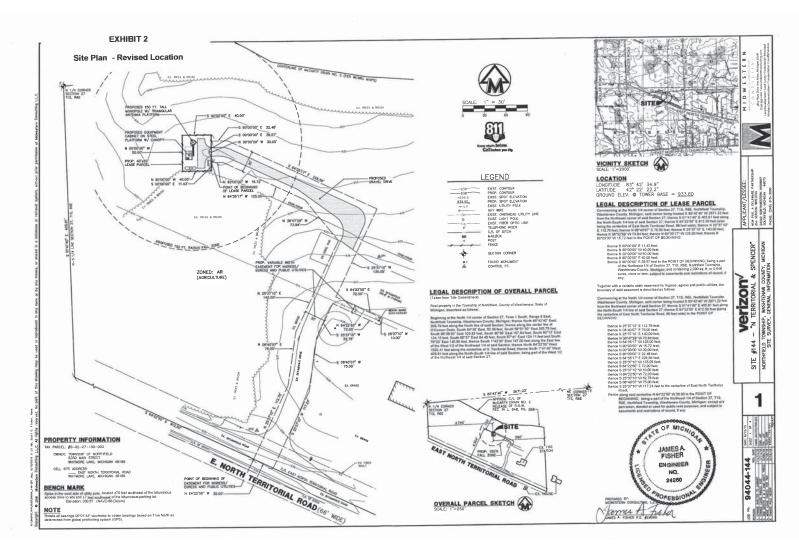
This size development is traditionally exempted from Washtenaw County Storm Water Detention Requirements.

The site is served with electricity, telephone and fiber services.

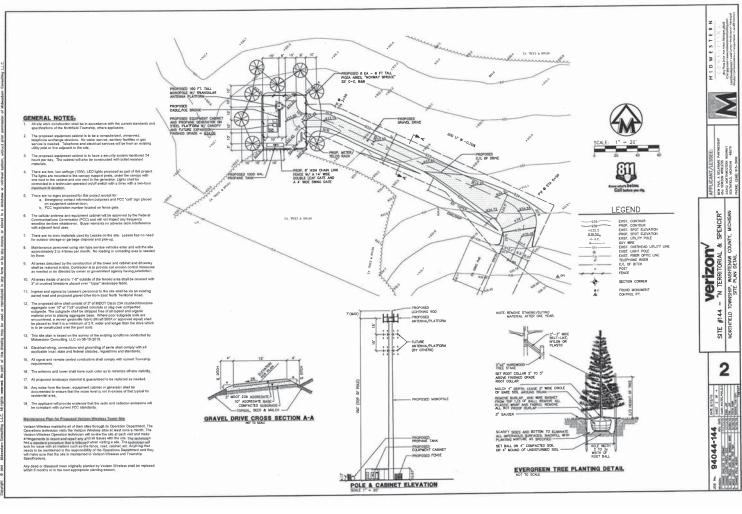
#### Addendum:

- Aerial Boundary Parcel Map Exhibit 8
- Public Hearing Sign Posting Photo Exhibit 9
- Public Hearing Notice Exhibit 10
- Initial Staff Review Report Exhibit 11
- Application For Planning Approval Exhibit 12
- Proposed Special Land Use Findings of Fact Exhibit 13

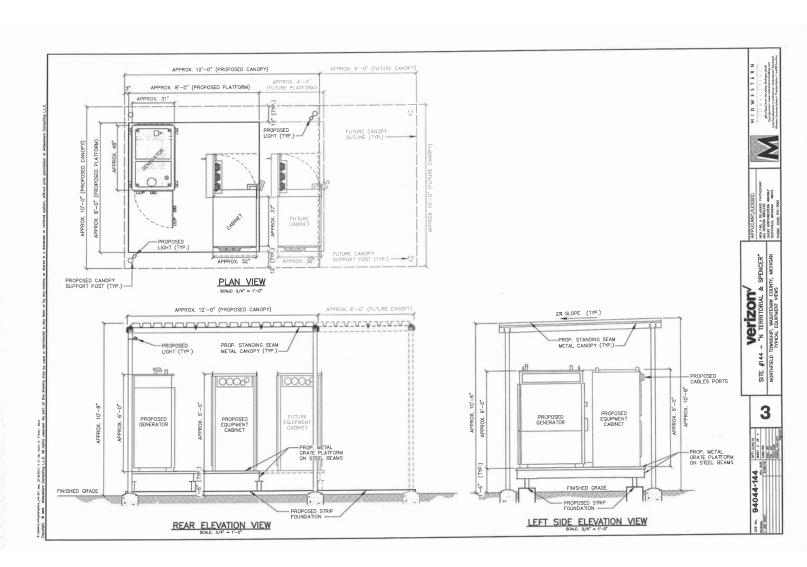
EXHIBIT 1



California de la companya de la comp



244-997. deg., S/19/2016 11:31 AM. Scott G. Flaber, Mone





# Notarized Statement of Collocation Opportunities

### VERIZON WIRELESS LETTERHEAD

May 17, 2016

Planning Commission Township of Northfield 8350 Main Street Whitmore Lake, MI 48189

Re:

Collocation Opportunities

Dear Planning Commission Members:

This letter is written to confirm that Verizon Wireless has a policy encouraging the shared use of all towers in its network. We regularly collocate both inbound (on our towers) and outbound (locate on other towers). In conformance with this continued program, please accept this notarized letter stating that the proposed 150' monopole in Northfield Township is being designed to permit collocation and will be available for other carriers to collocate.

If you have any questions please call.

	Very truly yours,	
	By: Douglas Weber Its: Principal Engineer-R/E Regulatory	
STATE OF MICHIGAN ) COUNTY OF OAKLAND )		
Douglas Weber personally came be Engineer – R/E Regulatory for New Verizon Wireless (VAW) LLC, its i	tary Public for said County and State, do hereby certify the fore me this day and acknowledged that he is a Principal of Par, a Delaware partnership d/b/a Verizon Wireless, By managing partner, and that he is authorized to execute the said partnership and limited liability company.	:
	Notary Public	

### **Radio Frequency Letter**



May 16, 2016

Regarding the structure height for proposed Verizon Wireless tower "North Territorial & Spencer":

Wireless communication structure heights are chosen based upon several conditions and criteria. At Verizon Wireless, we strive to ensure that we have ample height to broadcast our signals in the most effective and efficient manner. This limits the number of towers in a given area (it is more efficient to use one tower at 150' than it is to use two towers at 75' to cover the same area). We also have to ensure that there is enough room on the structure for additional co-locating antenna arrays. If a tower is built using a height that is just adequate for one carrier, then additional carriers may be forced into searching for a new location that offers greater height instead of locating their equipment on the existing structure.

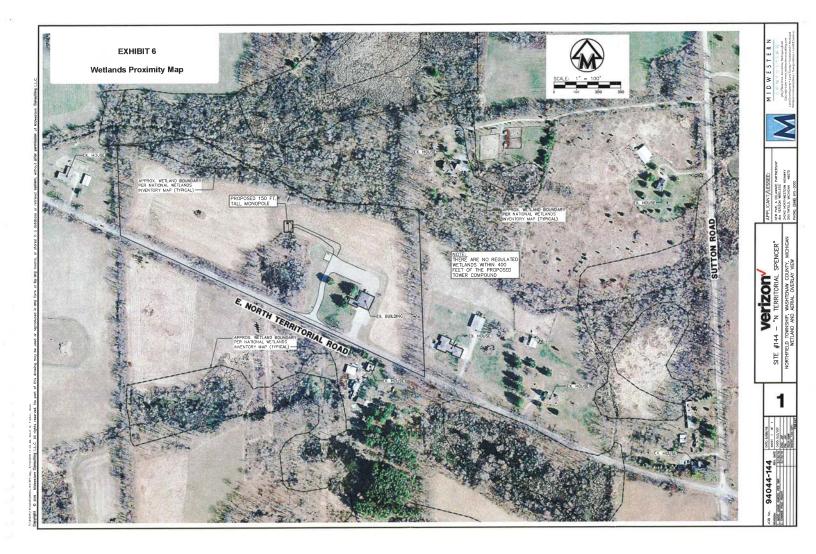
The tower proposed was evaluated at 120' and it was found to be inadequate in height as it does not meet the guidelines in the above criteria. We are proposing an additional 30' in height to maximize the coverage benefits of this location and to ensure that it is a desirable location for other wireless service providers.

Very truly yours,

Michael Avery

Radio Frequency Engineer

Verizon Wireless



### **Radio Frequency Emissions Letter**



May 16, 2016

Regarding the RFE (Radio Frequency Emissions) for the "North Territorial & Spencer" Verizon Wireless structure.

Total Effective Radiated Power for LTE signals is expressed in units of Watts/MHz as this takes into account the bandwidth of each transmitting signal. At each of the six antennas on the proposed structure, the output power is determined by the antenna type and input power to the antenna. A low power signal is fed into the antenna. The antenna in turn amplifies and beam shapes the signal. The total input power per antenna is 40W on the 700MHz band, and 60W on the 1900/2100 MHz bands. Each antenna is capable of broadcasting both the 700MHz signal and the high-band signals. The bandwidth of the 700MHz transmission is 10MHz. The 2100MHz transmission is 20MHz, and the 1900MHz transmission is 5MHz.

Taking into account the antenna amplification, or gain, and the bandwidth of each transmitting signal, we arrive at the following values:

700MHz:

88.4 W/MHz (legal limit is 1000)

1900MHz:

236.4 W/MHz (legal limit is 1637)

1900MHz:

751.5 W/MHz (legal limit is 1640)

Very truly yours,

Michael Avery

Radio Frequency Engineer

Verizon Wireless



**Public Hearing Sign Posting Photo** 

# PUBLIC HEARING SIT OZA E PERMI AN REVIEV

 Hearing Date: May 4, 2016 - 7pm • Location: Northfield Twp. Office - 8350 N. Main St., Whitmore Lake To Permit a Wireless Cellular Telephone Monopole 120' MONOPOLE

SITE TAX PARCEL: B-02-27-100-003 SITE ADDRESS: 2727 EAST TERRITORIAL RD., NORTHFIELD M.

# FOR ADDITIONAL INFORMATION:

Robert Przybylo Northfield Twp. Building Dept. 248-613-4399 8350 N. Main St.

Whitmore Lake, MI 48319 734-449-2880

# APPLICANT

New Par / Verizon Wireless 2424 Northwestern Hwy. Southfield, MI 48075

2000

PUBLIC NOTICE



POSTED BY JONATHAN R. CRANE, ATTORNEY, ROCHESTER, MICHIGAN



### **Initial Staff Review Report**



### COMMUNITY PLANNING AND DESIG

April 28, 2016

Planning Commission Northfield Township 8350 Main Street Whitmore Lake, MI 48189-0576

Subject: Verizon Monopole/2727 East North Territorial Road; Conditional Use Review #1; Application

received by Township on 3/18/2016.

### **Dear Commissioners:**

We have reviewed the proposed conditional use application submitted by RJP Consulting on behalf of Verizon Wireless, for the construction of a new 120-foot tall wireless monopole structure at the Township-owned Fire Station#2, 2727 E. North Territorial Road. Along with a monopole, the applicant proposes an equipment shelter at the base of the tower, to be enclosed with chain link fence around a 2,000 sq. ft. lease area. The plan includes landscaping around the outside of the fence and a 30-foot-wide access and utility easement leading from N. Territorial Rd. to the lease site. The site is zoned AR (Agricultural) District.

Under the Michigan Zoning Enabling Act (MZEA), a new wireless communication facility can be reviewed as a conditional land use, subject to the information and requirements of the Zoning Ordinance. The



MZEA also imposes time limits on the local review process. Wireless communication facilities are permitted in the AR District subject to conditional use approval per Section 36-838 of the Township Zoning Ordinance. The required public hearing is scheduled for May 4, 2016.

### **CONDITIONAL USE COMMENTS**

Conditional use approval of wireless communication facilities is subject to both the specific standards listed in Section 36-720 of the Zoning Ordinance, and the general discretionary standards in Section 36-838 applicable to all conditional uses. Beginning with the specific requirements, our comments are provided below:

- A. <u>Application Requirements Specific to Wireless Communications Facilities [Section 36-720 (c)(2)].</u> Most of the information required by this section has been provided, including contact information for the applicant; map showing location of all existing towers in the Township; scaled site plan with details; legal description of overall parcel and lease area; setbacks from nearest residential structures; separation distance from other towers; landscape plan; fencing; notarized statement regarding collocation; backhaul provider; suitability of existing towers or alternative technology; name of tower manufacturer; radiation output; and maintenance plan. The following items remain to be addressed:
  - The applicant's letter dated 3/16/2016 says that a map showing future tower locations, structures
    and antenna proposed or anticipated cannot be provided since it is proprietary. The applicant states
    that in general, new sites may be needed in the northwest, northcentral and southeast parts of the
    Township. Compliance with this requirement must be addressed to the satisfaction of the Planning
    Commission.
  - 2. Sub-section m. requires an environmental impact statement. According to the application, a phase one environmental review has been completed and indicates no perceived impacts; a copy of that report must be submitted for Township review.
  - 3. A narrative must be provided with the radiation output data that verifies whether the anticipated output is consistent with current FCC emission regulations.
  - 4. The boundaries of the lease area must be clarified and dimensioned on the site plan. We recommend that the proposed evergreen trees outside the fence be included within the lease area.
- B. <u>Section 36-720 (c)(4). Specific Factors Related to Wireless Communication Facilities.</u> The Planning Commission may waive or reduce any of the following requirements if it determines that doing so better serves the goals of the section:
  - 1. Height of proposed tower. Section 36-720 (d)(5) limits heights of towers and structures to no more than 180 feet. At 120 ft. tall with an additional 7 ft. lightning rod, the proposed monopole complies.
  - 2. Proximity of tower to residential structures and residential district boundaries. The proposed facility is on an AR Agriculture-zoned parcel the Township-owned fire station. The AR district also permits single family residential dwellings on lots of 5 acres and larger. The closest residential dwellings are to the south and east, at 536 ft. and 595 ft. away.
  - 3. Nature of uses on adjacent and nearby properties. The land to the west and north is wooded and some is farmed. To the east is a single family residence and the fire station building; to the south (across N. Territorial Rd.) is vacant/farmland and a single family dwelling with accessory structures.
  - 4. Surrounding topography. The surroundings are relatively flat. McCarty Drain No. 2 is to the north.
  - 5. Surrounding tree coverage and foliage. The proposed tower location is well screened by wooded land to the west and north. However, the N. Territorial Rd. frontage of the fire station is lawn and wide open to accommodate public safety vehicles and visibility. The house south of N. Territorial Rd. will have its view of the proposed tower partially buffered by the fire station building; the house to the east will have its view somewhat buffered by a tree/brush line (mostly deciduous). Both dwellings would benefit from additional screening; we recommend evergreen trees be planted

between the tower and the road frontage on both sides of the west fire station driveway and along the tree line to the east as transition strips. Relocation of the tower site west to be behind the woods could also improve its screening.



- 6. Design of the tower, with particular reference to design characteristics that have the effect of reducing or eliminating visual obtrusiveness. The applicant states that the proposed monopole is a less obtrusive design than a lattice tower. The galvanized metal color is intended to "blend in with the sky". There are no other features incorporated that would reduce visual obtrusiveness.
- 7. **Proposed ingress and egress.** The tower site will be accessed from the fire station driveway with a gravel drive extension at the northwest corner of the existing pavement.
- 8. Availability of suitable existing towers, others structures or alternative technology. Propagation maps have been submitted, illustrating existing coverage without the facility and projected coverage that can be obtained with the new tower. Per the applicant, there is a lack of service on the stretch of N. Territorial Road that will be covered by the new facility.

Section 36-720(d)(1) sub-section a., requires that no tower may be located within 2 miles of another commercial communication tower. The tower location map shows that the proposed new tower would be within 1.7 and 1.9 miles of two other commercial towers. Also, in late 2014, AT&T was approved to build a tower at 6741 Sutton Rd. That tower has not been constructed, but it would also be within 2 miles of the site, approximately 0.5 miles away. Per Section 36-839, "An approved conditional use permit, including all attached conditions, shall run with the land in the approval and shall be binding on all successors and assigns." It is our understanding that the AT&T tower's site plan approval has expired and would have to be obtained again, but arguably, the conditional use approval could still be valid. The status of the Sutton Road tower site should be determined. If the Sutton Rd. site is still approved, it must be included on the map of facilities and considered in the evaluation of site alternatives.

The Planning Commission may waive the Ordinance's separation distance requirements, if it determines that "the proposed tower is of exceptional design so as to create a positive architectural and/or environmental feature which is compatible with the character of the surrounding area and community". The proposed tower is a standard monopole, and does not appear to be an exceptional positive architectural and/or environmental feature. While it is not uncommon for towers to be located at a public safety facility like a police or fire station, we recommend the Commission review this matter and give the applicant direction regarding alternative designs, such as a "tree" or mounting upon or incorporating into another compatible structure that could be substituted for the standard monopole.

Further, not enough information has been about the two closest tower locations identified by the applicant - <u>How many carriers are already on those towers?</u> Is there a possibility of collocation on those towers? If not, why? Can any adaptation be made to those towers to accommodate the applicant's antenna without the need for a new facility?

9. The design of the proposed structure will accommodate collocation of additional users. The new monopole is designed to allow for two additional co-locators in the future, however the applicant must submit an affidavit stating they will permit and not unreasonably obstruct collocation.



- C. Section 36-720 (c)(5) Availability of Existing Towers or Other Structures or Alternate Technology. This section requires that the applicant provide evidence to demonstrate no existing towers or alternative technology can be utilized to accommodate the proposed antenna. As described in comment B.8 above, additional information is required to justify the need for a new facility. While the applicant states that none of the existing towers will meet Verizon's coverage needs, it is not clear if modifying one or more of the existing towers in the vicinity, or if construction of the Sutton Rd. site (that the applicant did not include in its analysis) would create the applicant's desired coverage.
- D. Section 36-720 (d). General Regulations for all wireless communication towers:

### 1. Location of towers or structures.

- a. No single tower shall be located within two miles of another commercial communication tower. This requirement may be waived if the Planning Commission determines that the tower is of an exceptional design so as to create a positive architectural and/or environmental feature which is compatible with the character of the surrounding area and community. Additional communications apparatus can, however, be located on an existing tower or other structure capable of accommodating such apparatus. See Comment B.8., above.
- b. No tower shall be located closer than 1,000 feet from the boundary of any residential district, including any PUD district incorporating residential uses. All of the surrounding land is zoned AR Agriculture. The closest residential dwelling is 536 feet from the proposed tower. We estimate that 4 houses are located within 1,000 feet of the proposed tower.
- c. A tower shall have a minimum setback from all property boundaries equal to the height of the tower. Setbacks are greater in all directions than the required 127 ft.
- d. Guys and accessory buildings must satisfy the minimum zoning district regulations. No guy wires are proposed since the structure is a monopole. The proposed equipment shelter complies with AR district setback regulations; the height of the equipment shelter and all accessories must be dimensioned.
- e. For purposes of measurement, any required tower setback and/or separation distance shall be calculated and applied to facilities located adjacent to municipal and county jurisdictional boundaries. Not applicable.

### 2. Access.

Unobstructed access constructed in accordance with all provisions of this chapter shall be provided to the tower and apparatus building to ensure service by police, fire, and emergency vehicles. Access to the tower lease area is unobstructed, across the paved fire station drive and a short gravel driveway.

### Structural design and installation.

a. The plans for the tower construction shall be certified by a registered structural engineer, and the applicant shall submit verification that the installation is in compliance with all applicable codes. All towers or structures must meet all applicable standards of the Federal Aviation Administration and the Federal Communications Commission. The applicant's letter states they will comply with all applicable FAA and FCC standards. A letter from an

engineer at the tower manufacturing company verifies the structural stability of the monopole proposed.

- b. All towers or structures must meet or exceed current standards and regulations of the FAA, the FCC, and other agency of the state or federal government with the authority to regulate towers, structures, and antennae. If such standards and regulations are changed, then the owners of the towers, structures, and antennae governed by this section shall bring such towers, structures, and antennae into compliance with such revised standards and regulations within six months of the effective date of such standards and regulations, unless a different compliance schedule is mandated by the controlling state or federal agency. Failure to bring towers, structures, and antennae into compliance with such revised standards and regulations shall constitute grounds for the removal of the tower or antenna at the owner's expense. The applicant agrees to comply with all applicable governmental, health and industry safety standards and FAA and FCC regulations and standards.
- c. To ensure the structural integrity of towers or structures, the owner of a tower shall ensure that it is maintained in compliance with standards contained in the state construction code and the applicable standards for towers or structures that are published by the Electronic Industries Association, as amended. If, upon inspection, the township concludes that a tower fails to comply with such codes and standards and constitutes a danger to persons or property, then upon notice being provided to the owner of the tower, the owner shall have 30 days to bring such tower into compliance with such standards. Failure to bring such tower into compliance within said 30 days shall constitute grounds for the removal of the tower or antenna at the owner's expense. The applicant agrees to comply with all applicable governmental, health and industry safety standards and FAA and FCC rules.
- d. Antennae and metal towers or structures shall be grounded for protection against a direct strike by lightning. The electrical wiring and connections on all towers and structures shall comply with all applicable local, state, and federal statutes, regulations, and standards.

  The top of the monopole includes a 7 ft. tall lightning rod. Information regarding grounding and compliance with the above listed regulations must be provided with the site plan.
- e. Towers or structures with antennae shall be designed to withstand a uniform wind loading as prescribed in the state construction code. The tower engineer's statement addresses this.
- f. Towers and structures shall be subject to any state and/or federal regulations concerning nonionizing electromagnetic radiation. If more restrictive state and/or federal regulations are adopted in the future, the operator of the tower shall bring the antennae into conformance with such standards within 60 days of its adoption, or the conditional use permit shall be subject to revocation by the township board. The operator of the tower shall bear the costs for testing and verification of compliance. The applicant agrees to comply with all applicable governmental, health and industry safety standards.
- g. All signals and remote control conductors of low energy extending substantially horizontally above the ground between a tower or antennae and a structure, or between towers, shall be at least eight feet above the ground at all points, unless buried underground. The applicant must provide a written statement that they will comply with the Township's requirements for signal and remote control conductors.

- h. The base of the tower shall occupy no more than 500 square feet. The base of the tower occupies considerably less than 500 square feet.
- i. All communications tower operators shall be required to provide an annual report of total radiation output from all channels and all antennae on the tower, including all co-locators, from an independent contractor as recommended by the township engineer or its designee. The report shall contain any and all information deemed necessary by the Planning Commission. The applicant must provide a written statement that they will provide any information required by the Township Engineer in this regard.
- 4. <u>Lighting</u>. *Towers or structures shall not be artificially illuminated*. The tower is not required to be lit since it is less than 200 feet in height.
- 5. Height. Towers and structures shall not exceed 180 feet in height. The proposed tower complies.

### Design.

- a. Except as otherwise provided herein, all towers shall be of monopole design and shall be constructed of, or treated with, corrosive resistant material. The tower is proposed as a galvanized steel monopole. Based upon the separation distance requirement, a stealth/alternate design is recommended. See comment B.8, above.
- b. Advertising, signs, and identification of any kind intended to be visible from the ground or other structures shall be prohibited, except as required for emergency purposes. No signs are proposed other than required emergency contact information.
- c. The antennae shall be painted to match the exterior treatment of the tower. The paint scheme of the tower and antennae shall be designed to minimize off-site visibility of the antennae and tower. The applicant must confirm compliance and note it on the plan.
- d. The design of the buildings and related structures shall, to the maximum extent possible, use materials, textures, screening, and landscaping that will blend them into the natural setting and surrounding buildings. The applicant states that the galvanized steel tower will blend in with the sky. Details of the equipment cabinet and associated accessory structures must be provided.
- e. If an antenna is installed on a structure other than a tower (such as a clock tower, bell steeple, or light pole), the antenna and supporting electrical and mechanical equipment must be of a neutral color that is identical to, or closely compatible with, the color of the supporting structure so as to make the antenna and related equipment as visually unobtrusive as possible. Not applicable.
- 7. Fencing and Landscaping. The tower and appurtenant apparatus building shall be secured by fencing a minimum of six feet in height. The fencing and apparatus building shall be screened with a landscape strip at least 20 feet wide along each side of such fencing and/or building. Specifications for spacing and plant materials shall be as set forth in section 36-706. The landscape strip shall be maintained in good condition at all times so as to continue its effectiveness. Existing mature on-site vegetation and natural land forms shall be preserved to the maximum extent feasible. In some cases, such as towers or structures sited on large, wooded

lots, natural growth around the property perimeter may provide sufficient buffer, in which case the planning commission may waive the landscaping requirements of this subsection. The site plan shows 6 ft. chain link fence with 3 strands of barbed wire around the equipment area. Barbed wire is permitted only around farmland. Although the site is in the AR district, a wireless communication facility does not constitute a "farmland" use. The barbed wire must be removed.

A landscape buffer of 6 ft. tall Colorado spruce planted 20 feet on center is proposed outside the fencing. Installation of the proposed monopole will not cause the removal of any existing mature vegetation. A landscape maintenance plan must be added to the site plan and note that "dead or diseased plants will be replaced within 6 months or in the next appropriate planting season, whichever comes first."

- 8. <u>Employees</u>. No employees shall be located on the site on a permanent basis to service or maintain the antennae. Occasional or temporary repair and service activities are excluded from this restriction. The facility will be unmanned, with periodic visits by maintenance personnel.
- 9. Site plan required. The applicant shall submit a preliminary and final site plan in accordance with article XXVIII of this chapter, and including details of tower lighting required and approved by the Federal Aviation Administration. The applicant has submitted a preliminary site plan which must be revised as described in this review prior to site plan approval. No light detail is required.
- 10. Franchises. Owners and/or operators of towers, structures, or antennae shall certify that all franchises required by law for the construction and/or operation of a wireless communication system have been obtained and shall file a copy of all required franchises with the township prior to final site plan approval. The applicant must provide a written statement that they will comply with any franchising requirements.
- 11. <u>Engineering certification</u>. Any information of an engineering nature that the applicant submits, whether civil, mechanical, or structural, shall be certified by a licensed professional engineer. The 2-sheet plan set is signed and stamped by a licensed engineer.
- 12. <u>Non-essential services</u>. Towers, structures, and antennae shall be regulated and permitted pursuant to this section and shall not be regulated or permitted as essential services, public utilities, or private utilities. The application complies.
- 13. Cessation of operation. The township shall condition approval of any new tower subject to the removal of said tower, including all structural components of the tower above and below ground, within 180 days of cessation of operation. The township reserves the right to request evidence of ongoing operation at any time after construction of an approved tower. Any antenna or tower, whether approved under this section or existing at the time of adoption of the ordinance from which this chapter is derived, that is not operated for a continuous period of 180 days shall be deemed abandoned. Failure to remove an abandoned antenna or tower within 60 days of receipt of a notice from the township requesting such removal shall be grounds for the township to remove the tower or the antenna at the tower and/or property owner's expense. If there are two or more users of a single tower, this provision shall not take effect until all users cease using the tower. Written agreement to comply with removal requirements must be submitted to the Township.

- 14. <u>Division of property prohibited</u>. The division of property for the purpose of locating a facility is prohibited unless all requirements of the township ordinances are met. The site is Townshipowned and no division is proposed.
- 15. <u>Facility not to be used for advertising</u>. The facility shall not be used for advertising purposes and shall contain no signs or lighting except to identify the provider and emergency telephone numbers and as may be required by the FAA. No advertising is proposed.
- 16. Security. In order to ensure removal of the wireless communication structure, in the event of abandonment or cessation of operation, the planning commission may require that security be posted at the time a building permit is obtained for uses as specified in the conditional use permit in an amount sufficient to guarantee that the applicant shall perform the terms and conditions of the conditional use permit. The applicant must provide the necessary financial guarantee.
- E. Section 36-838. General Conditional Use Approval Requirements. In addition to complying with the specific requirements for wireless facilities enumerated above, for conditional use approval to be granted, the Planning Commission and Township Board must find that the proposed use satisfies the following general criteria:
  - 1. Will be harmonious with and in accordance with the general objectives, intent and purpose of this article. The proposed tower is located in an agriculturally zoned and master planned district and is not close to any concentration of uses. Per the applicant, the proposed tower is similar in appearance or perception to other large structures likes wind turbines and high voltage transmission lines that are commonly found in agricultural areas. A properly designed tower that provides for public safety communication might be found harmonious. However, the standards and objectives of the Zoning Ordinance that are designed to avoid a concentration of towers (when collocation can be achieved) and thereby minimize the visual impact and clutter of these facilities, have not been met. Revisions to the facility design, acceptable confirmation that the applicant can't collocate on an existing tower(s) or use other means to provide service, and other options that are consistent with the intent and purposes of the Ordinance must be addressed to the Commission's satisfaction.
  - 2. Will be designed, constructed, operated, maintained and managed so as to be harmonious and appropriate in appearance with the existing or intended character of the general vicinity. The general vicinity is master planned AG, Agricultural for farming and single family residences on lots 5 acres and larger. The tower and associated ground-mounted equipment will be within a fenced area and accessed from the fire station's paved driveway. The fence and much of the equipment inside the enclosure will be screened with evergreen trees, and the land to the north and west is wooded, reducing the visual impact of the facility. The primary impact to the surroundings will be the view of the tall structure from road and the south and east; installation of additional landscape screening, and/or relocation of the tower to be better screened by existing trees is recommended, as discussed in this review.

The facility will be unmanned and will be visited by maintenance personnel only, 2 to 4 times per month. The short drive and T-turn area inside the fence are noted as gravel surface; given the infrequent traffic to the enclosure, we believe the Commission could find this surface sufficient. A maintenance statement on the site plan assures that site problems will be corrected in accordance with Township requirements and a letter addresses weed control, and removal of snow and debris.

As a condition of site plan approval, <u>a landscape maintenance plan with replacement guarantee will</u> be required.

3. Will be compatible with the natural environment and existing and future uses in the vicinity. The north and west sides of the tower's lease area are generally screened from view off-site by existing trees and brush, but the installation will be very noticeable from N. Territorial Rd. In order to improve its compatibility with the vicinity, we recommend that (subject to Township Board approval) clusters of large evergreen trees and/or other dense vegetation should be planted between the tower and N. Territorial Rd. and as a transition strip on the east side of the fire station lot, at or near the lot line. Relocation of the facility to the west, so that the wooded area is to its south may also improve the tower's compatibility with existing and future uses.

The fence around the lease area will be screened with evergreen trees planted 20 feet on center. The fire station is a necessary public safety facility; the surroundings are generally intended to be very low density residential and agricultural uses. The environmental impact statement must be submitted to confirm the lack of negative environmental impacts.

4. Will be compatible with the Township land use development plan. The Township Master Plan designates the site for low density single family development, farms and farm structures, scenic corridors, landscape features such as fields and similar. The Plan does not anticipate a concentration of population here and the Zoning Ordinance mirrors the Master Plan by requiring, under ordinary conditions, tower separations of 2 miles or more. However, the site is near a minor arterial road carrying higher volumes of traffic through the Township and is part of the existing and planned Township fire station where communication facilities could be found compatible.

The proposed tower location, less than 2 miles from 2 existing towers and approximately 0.5 miles from a potential tower site, may not be compatible with the Master Plan's vision. This standard can be met if the tower is redesigned to be a positive feature that blends in with the surrounding rural residential environment and natural features. Further, <u>sufficient evidence has not been submitted that would allow the Commission to determine that collocation and other more compatible alternatives are not feasible.</u>

- 5. Will be or can be served adequately by essential public facilities and services. Access is to N. Territorial Road, a paved minor arterial road, via the fire station's existing paved driveway and a gravel drive. The only utilities required are electricity and fiber optic service, both of which are available. Fire protection is on-site.
- 6. Will not be hazardous or disturbing to existing or future neighboring uses. The proposed tower is a monopole which is less intrusive than a "lattice" tower design. Since the tower is less than 200 feet in height, the FCC does not require lights, and the Zoning Ordinance prohibits other tower illumination. The tower and equipment cabinet generate no noise, although in the event of a power outage, the generator will run and create noise. Noise mitigation must be documented so that the sound will not be in excess of that typical for residential areas. Per the plans, the 120 ft. monopole has a 127 ft. fall zone, well clear of any other structures, including the fire station which is the closest building. The applicant must provide evidence that the radio and radiation emissions will be compliant with FCC standards. In the event all other requirements are satisfied, we do not anticipate the use being hazardous or disturbing to the existing or future neighboring uses.

7. Will not create excessive additional requirements at public cost for public facilities and services.

No water or sanitary sewer connections are needed, and as noted above, power and fiber optic service are available. No additional infrastructure or public services are required. Per the applicant, there will be no public funds required for this project.

### RECOMMENDATION

Based upon the information submitted, we find that the application for Verizon Wireless does not yet comply with several of the Zoning Ordinance requirements for conditional use approval. The deficiencies noted in our comments above, including some site design details, documentation regarding compliance with governmental regulations, the issue regarding inadequate separation distance of the proposed tower from other existing towers, compatible tower design, and other items must be addressed to the satisfaction of the Planning Commission. The major issues that must be resolved before making a recommendation, are presentation of sufficient evidence by the applicant that the 2 - 3 other towers/sites will not work, and proposing an "exceptional architectural and/or environmental design" that would justify the Commission allowing this new tower to be constructed less than 2 miles from those other towers.

Prior to the Planning Commission acting on the application, we recommend the following items and information be addressed with a revised and dated site plan:

### **Conditional Use:**

- If the Commission determines the applicant's general statement that future facilities will be needed in the northwest, northcentral and southeast parts of the Township is not sufficient, a map shall be provided;
- 2. Submit the environmental impact statement;
- 3. Explain radiation output data with documentation demonstrating compliance with FCC rules;
- 4. Clarify the boundaries of the lease area on the site plan, and include the evergreen trees;
- 5. Improve screening/buffering of the view of the tower from off-site by planting additional trees between the tower and the road frontage and along the tree line to the east, by relocating the tower to be better screened by existing trees, and/or by other means acceptable to the Planning Commission.
- 6. Confirm that the approval previously granted for monopole at 6741 Sutton Road has expired, or include that approved tower location as part of this application;
- Submit additional written evidence regarding the other towers within 2 miles pertaining to their height, number of carriers/antenna in place, etc. to confirm whether or not collocation opportunity(s) that would accommodate the proposed antenna are available on any of them (including Sutton Rd. site if applicable), per Section 36-720 (c)(5);
- 8. Satisfaction of the requirement for the tower to be designed as a positive, exceptional architectural and/or environmental feature;
- 9. Affidavit agreeing to permit and not unreasonably obstruct collocation on the tower; and
- 10. Site plan approval.

### Site Plan:

- 1. Provide details of, and dimension the height of the equipment shelter and all accessories;
- 2. Comply with the Township's requirements for grounding, wiring and signal and remote control conductors.
- 3. Agreement to provide annual report of total radiation output with information as determined by the Township engineer;
- 4. The antenna shall be painted or otherwise treated to match the tower and this noted on the plan;

Northfield Township Planning Commission Verizon Monopole/2727 East N. Territorial Road, CU Review #1 April 28, 2016 ~ Page 11

- 5. Provide detailed landscape maintenance plan including replacement guarantee for landscaping;
- 6. Remove barbed wire from fence;
- 7. Replace the gravel surface with pavement unless the Commission determines that based on the infrequent traffic to the enclosure and nature of the use that gravel is acceptable;
- 8. Generator noise controls specified so as to be compatible with the vicinity;
- 9. Utilities and infrastructure to be reviewed during site plan review; and
- 10. Provide the Township with necessary assurances, agreements, documents and financial guarantees (as noted in Section D above).

Under the MZEA's "shot clock", after an initial 14-day period, the Township has 90 days to take action on a new tower. In this case, if the Township does not take action by June 29th, the application may be considered approved. Therefore, if the above issues cannot be satisfactorily addressed by the Commission's May 18<sup>th</sup> meeting, the Planning Commission may need to recommend denial to the Township Board.

Respectfully submitted,

**McKENNA ASSOCIATES** 

Sara J. Hodges, AICP Senior Vice President

Vidya Krishnan Senior Planner

cc: Howard Fink, Township Manager

New ParA Delaware Partnership DBA Verizon Wireless, 24242 Northwestern Hwy., Southfield, MI 48075

# RJP CONSULTING

### **EXHIBIT 12**

### **Application for Planning Approval**

March 16, 2016

Planning Commission Northfield Township 8350 North Main Street Whitmore Lake, MI 48189

RE: Verizon Wireless Application for Conditional Use Permit and Site Plan Review at 2727 East North Territorial Road

Dear Planning Commission:

Enclosed with this correspondence are the following:

- 1. Completed and Signed Application for Conditional Use Permit and Site Plan Review
- 2. Signed and Sealed Site Plan
- 3. Radio Frequency Propagation Maps demonstrating gap/need for coverage
- 4. Map of Existing Township Towers
- 5. Fall Zone/Civil Engineer Letter
- 6. Letter from Applicant in compliance with Section 60.23
- 7. Letter Stating Total Radiation Output

In addition to the foregoing attachments, set forth below is a description of the criteria of Section 60.23 of the Northfield Township Ordinance ("Ordinance") and a response as to how Verizon Wireless has met each of these respective requirements under the Ordinance. We respectfully ask that Verizon's Application be considered by the Planning Commission at the first available date.

### INTRODUCTION

As reflected in Verizon's responses below, it is necessary for Verizon to erect a 120' monopole (with 7' maximum lighting rod on top) and accompanying equipment ("Proposed Facility") at the property located at 2727 East North Territorial Road ("Site"), so it can remediate an existing gap in network coverage in the area surrounding the Site and improve its network reliability.

Verizon Wireless desires to provide Northfield Township with dependable wireless service. It is essential that Verizon Wireless be allowed to develop their network in such a way that enables them to provide adequate coverage to their existing and future customers in and through this area. Verizon Wireless has a Radio Frequency License from the FCC for the State of Michigan. The FCC requires its licensees to provide adequate and reliable service in the licensed area as specified in Title 47, Part 24.103 of the Code of Federal Regulations. In order to fulfill this requirement for their FCC license, Verizon Wireless needs to provide continuous, uninterrupted wireless communication service in the area that is the subject of this Application. Without the proposed site, Verizon Wireless will suffer several hardships: 1.) disruption of the network design; 2.) compromising needed coverage; and 3.) Verizon Wireless' inability to provide adequate and reliable coverage to the public, among others. The Proposed Facility will allow Verizon Wireless to provide the quality of service required by the FCC and demanded by the public.

The Proposed Facility will be designed and constructed to meet applicable governmental, health and industry safety standards. Specifically, Verizon Wireless will comply with all FCC and FAA rules governing construction requirements, technical standards, lighting, interference protection, power and height limitations and radio frequency standards.

### ORDINANCE ANALYSIS

In addition to the materials attached hereto, Section 60.23 of the Ordinance requests the Applicant to respond, in pertinent part, to the following:

- C.2. a: Applicant information provided on the CUP application as well as a separate letter.
  - b: Provided and attached.
  - c: Please see attached site plan.
  - d: Please see attached site plan.
  - e: Please see attached Map of Existing Township Towers
  - f: Please see attached site plan.
  - g: Please see attached site plan.
  - h: Please see attached letter.
  - i: AT&T provides fiber backhaul.
  - j: The Proposed Facility is necessary to provide continuous, uninterrupted wireless communication service for Verizon customers in the area that is the subject of this Application. A Radio Frequency Engineer from Verizon has provided the accompanying RF Propagation Maps, attached hereto, which demonstrate that the Proposed Facility must be at least 120 feet in order to provide seamless coverage within the network plan. There are no existing towers in the area that can provide suitable coverage to meet our objectives.
  - k: Verizon is unable to provide a map as it is proprietary information. Verizon can say that in the next few years it is forecasting a need for new sites in the northwest area, north central area, and southeast area of the township.
  - I: Verizon has completed a Phase One environmental assessment and a NEPA review per FCC guidelines and there is no impact on wetlands, flood plains, wilderness areas, wildlife preserves, endangered species, and historical sites.
  - m: Please see attached Fall Zone/Civil Engineer Letter.
  - n: A Radio Frequency Engineer from Verizon has provided the accompanying RF Propagation Maps, attached hereto, which demonstrate that the Proposed Facility must be at least 120 feet in order to provide seamless coverage within the network plan.
  - o: Please see attached Letter Stating Total Radiation Output.
  - p: Please see attached letter.
- D1. a: The existing towers in the township are just too far away from the area that Verizon is trying to improve the network in. If Verizon were to use any of the existing towers, it would leave a gap in coverage along North Territorial that would require Verizon to build a new tower anyway. By building this Proposed Facility, Verizon is eliminating a gap in coverage and providing continuous uninterrupted service in this particular area of the township as well as providing collocation opportunities for future use by carriers thus eliminating the need for multiple towers in a particular area.
  - b: The Proposed Facility complies with this requirement.
  - c: The Proposed Facility complies with this requirement.
  - d: The Proposed Facility complies with this requirement.
  - e: Not applicable.

Will be harmonious, and in accordance, with objectives and regulations within the Zoning Ordinance:

The Proposed Facility is in an agricultural field and permitted within the AR District as a conditional use. It will have no adverse impact with regard to the surrounding area. Indeed, towers such as the Proposed Facility are consistent with such Districts. It is not uncommon to find much larger structures, such as High Voltage Transmission Lines or Wind Turbines in many agricultural areas.

Will be compatible with the natural environment and existing and future land uses in the vicinity:

The Proposed Facility meets this requirement in that it is located a significant distance from North Territorial Road, at the rear of the subject Property and over 500' from any residential structures. In addition, the Proposed Facility will use a low impact "monopole" design. Such designs are less visually obtrusive than traditional "lattice" type towers. The monopole will be constructed of galvanized metal, which is standard in the industry and designed to blend in with the sky.

That the proposed use will be served adequately by essential public facilities and disposal, or that the persons or agencies responsible for the establishment of the proposed use shall be able to provide adequately any such service:

The Proposed Facility will only require commercial power and fiber optic service. Both utilities are available along North Territorial Road and will be brought to the facility by Verizon. It will not require the use of water or sewer.

That the proposed use will not be detrimental, hazardous, or disturbing to the existing or future neighboring uses, persons, property, or the public welfare:

The Proposed Facility is consistent with the AR District where it is located. The Proposed Facility will use a low impact "monopole" design. Such designs are less visually obtrusive than traditional "lattice" type towers. The monopole will be constructed of galvanized metal, which is standard in the industry and designed to blend in with the sky. Enabling Verizon to remediate gaps in wireless coverage and providing reliable and adequate coverage to the area will foster the public health, safety and welfare.

That the proposal will not create additional requirements at public cost for public facilities and services that will be detrimental to the economic welfare of the community:

The Proposed Facility will only require commercial power and fiber optic service. Both utilities are available along North Territorial Road and will be brought to the facility by Verizon. It will not require the use of water or sewer. There will be no public funds required for this project.

Will be compatible with the Township's adopted general development plan:

The Proposed Facility is consistent with the AR District where it is located and permitted within the AR District as a conditional use. The Proposed Facility will use a low impact "monopole" design. Providing reliable and seamless coverage in the area subject to this Application will serve the public interest and convenience through providing wireless and internet services as well as enhancing and serving the emergency communications network.

### OTHER LEGAL CONSIDERATIONS

### A. Applicable Federal Law

The Telecommunications Act of 1996, 42 USC §§151-614 (2001) (effective Feb. 8, 1996) ("TCA") provides certain limitations on the powers of local zoning authorities with respect to the regulation, placement and construction of wireless service facilities. Specifically, the TCA provides that any regulation by the Township with respect to decisions involving wireless telecommunication towers "shall not prohibit or have the effect of prohibiting the provision of personal wireless services. 47 USC 332(c)(7)(B)(i)(I), emphasis added. The TCA further provides that "any decision by a State or local government or instrumentality thereof to deny a request to place, construct, or modify personal wireless service facilities shall be in writing and supported by substantial evidence." 47 USC 332(c)(7)(B)(iii), emphasis added.

It is Verizon's position that it's Application for a Conditional Use Permit to construct the Proposed Facility, as demonstrated herein, meets and/or exceeds all of the review standards set forth in the Ordinance. Therefore, Verizon respectfully requests that its requested Conditional Use Permit be approved by the Planning Commission.

### **CONCLUSION**

In conclusion, Verizon respectfully requests that the foregoing materials be considered by the Planning Commission and that the Proposed Facility be approved and granted a Conditional Use Permit in accordance with Section 60.23 of the Ordinance. Without the Proposed Facility, Verizon will be unable to remediate the gap in network coverage which is demonstrated through the RF Maps attached hereto and as otherwise set forth in this Application and through testimony Verizon will provide at public hearings.

On behalf of Verizon Wireless, we thank you in advance for your timely attention to this Application and look forward to working with the Township throughout the zoning approval process.

Sincerely,

Bob Przybylo

RJP Consulting, Inc. o/b/o Verizon Wireless

## **Northfield Township**

Page 1 of 2

### Conditional Use Application Form

Applicant Owner				
Name NEW PAR A DELEWARD PARTICULAR NAME NONTHERD TOWNSHIP				
Address 27242 NONTHWESTERN HWY VENED Address 8350 N. MAW ST.				
SOUTHERS MI 48075 WHITHOUT LAND, MI 48189				
Phone 248-613-4399 Phone 734-449-280				
If applicant is NOT the property owner, then a statement from the owner MUST be attached, authorizing the application.				
Statement has been attached, applicant is not owner (TWP Marrath To Provide)  Applicant is owner				
Parcel ID number B - 02 - 27 - 100 - 003				
Address 2727 EAST NORTH TERRITORIAL ROAD				
Zoning District AR				
Development Name V2W 144 NOWTH SUMTORIAL & SPENCER				
Proposed Use unmamod wholes communication RACILITY				
General Location 2727 & NEATH TOWNTH AL.				
Applicants Interest in Property 166648				
Conditional Use is sought under Section 60.23				
of the Northfield Township Zoning Ordinance.				
An application for a conditional use permit shall contain the following information:				
✓ Proof of ownership				
Legal Description				
Scaled and accurate survey drawing, with existing building, drives and other improvements				
A detailed description of the proposed use				
A site plan, meeting the requirements of a preliminary site plan, as set forth in				
Section 64.03, herein.				
Fee of \$600.00 for CUP / \$500.00 for PSP = \$1,100.00 as established by Northfield  Township Board, must accompany application.				
Township Board, must accompany application.				
I have read the attached provisions of the Northfield Zoning Ordinance in regards to Article 63.0, Conditional Use and understand a public hearing will be established within sixty-five (65) days of the filing date.				
Date 3 lulis Applicant Sol & OBO VENIZON WINDLOSS				

Application #
---------------

NORTHFIEL	D TOWNSHIP
SITE PLAN REVI	EW APPLICATION
PROJECT NAME: WW 144 NORTH TERRITORIAL 4	Stoneon
PROJECT ADDRESS: 2727 & NONTH TEAMTONIAL	No. of Marie Trade Control of Con
Applicant Information:	Owner Information:
Name: NEW PAR A DELAWART PANTAGES HIP DEA	Name: NONTHPILLS TOWNSHIP
Address: 24242 NONTHWESTERN HAVY, SOUTHEREND, M	Address: 8350 N. MAW ST. WHITMOND LANG 48189
Phone: 248-613-4399 48075	Phone:
Email:	Email:
If the applicant is not the property owner, then a statement f	rom the owner MUST be attached authorizing the application.
Proof of ownership OR Statement if applicant is not owner is attach	ed. I THE MANAGET TO GOVAS
If applicant is not the owner, describe applicant's interest in the pro したくらせ	
PROPERTY	DESCRIPTION
Legal Description: ☐ Attached ☐ On Site Plan	Parcel ID(s): B- 02-27-199-003
Legal Description:   Attached On Site Plan  Description of Proposed Use:   UNMANNES WHITE CAR	MMVMCATION FACILITY.
Total Acreage of Site: 18 Acres	Total Floor Area: LEASE ANGA: 2,000 SQ PT.
	Existing:
	Proposed: Z ago SQ FT.
Height of Structure(s) (in stories & feet):	Sanitary Facilities:   Sewer   Septic
120' maroford	Water: ☐ Municipal ☐ Private Well
Zoning Classification(s):	
□ RC NA AR □ LR □SR1 □SR2 □MR □VC □LC [	□GC □ES □HC □GI □LI □Other —————
	VIEW OPTIONS
Administrative Site Plan Review:	Site Plan Review:
Expansion or reduction of an existing, conforming structure	New Construction
less than 2,000 sq. ft. / 5% of floor area	☐ Building Addition
<ul> <li>Additional parking, loading / unloading spaces and landscape improvements</li> </ul>	
Development Plan Review:	Amendment to Approved Site Plan or Development Plan:
☐ Planned Unit Development	☐ Site Plan
☐ Planned Residential Development	☐ Development Plan
☐ Site Condominium Plan	
Site or Development Plan Review in conjunction with:	ning Request 💆 Special Land Use Request

	Application #
	AUTHORIZED SIGNATURE
I hereby state that all of the above statements and all	of the accompanying information are true and correct.
Applicant's Signature:	VOLIZED WINGLESS Date: 3/16/16
	FOR OFFICE USE ONLY
Application Received Date:	Planning Commission Received Date:
Planning Commission Action:   Approved Date:	Denied Date:
Expiration Date:	

Telephone: 734-497-5000 Facsimile: 734-497-0123

Fee Received: 
Cash Check #\_\_\_\_

# RJP CONSULTING

March 15, 2016

Planning Commission Northfield Township 8350 North Main Street Whitmore Lake, MI 48189

**RE: Verizon Wireless Network Propagation Maps** 

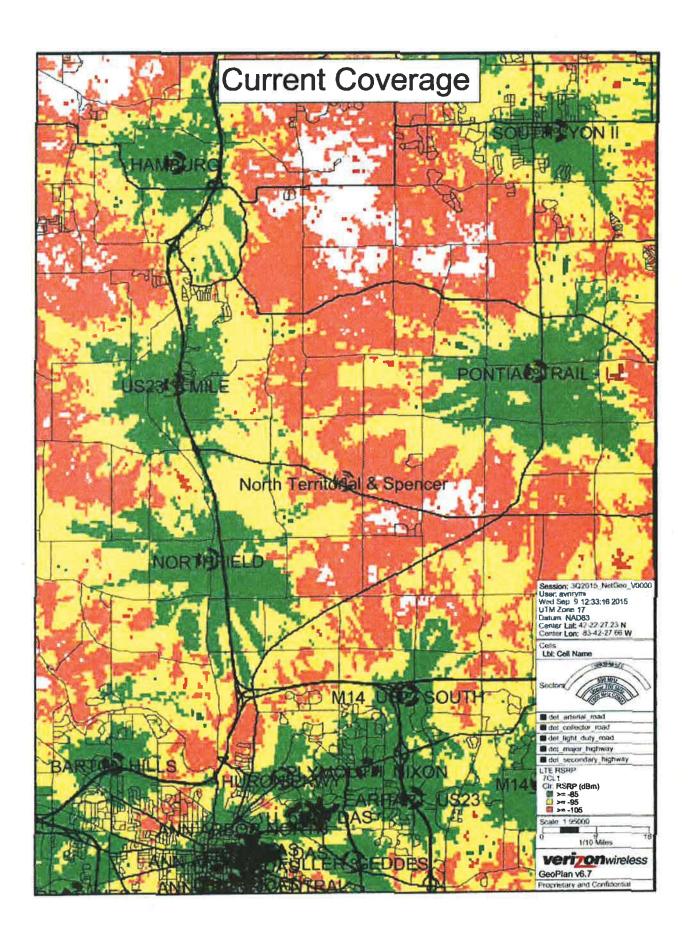
To Whom It May Concern:

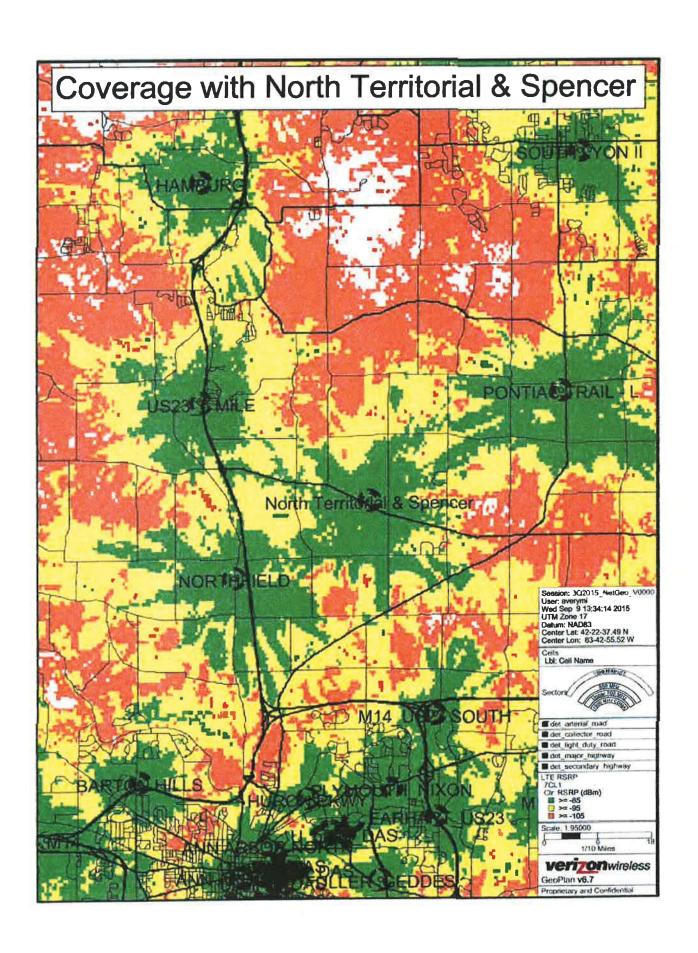
Please see the attached maps. The first map shows the existing network coverage. The second map shows the network coverage with the proposed site. As you can see, the proposed site dramatically improves coverage in the area. Please note the maps show the network coverage as required by Verizon Wireless standards including in-car, in-building, and outside for both voice calls and data usage. Please call me at (248) 613-4399 if you have any questions.

Sincerely,

Bob Przybylo

RJP Consulting, Inc. o/b/o Verizon Wireless





# RJP CONSULTING

March 15, 2016

Planning Commission Northfield Township 8350 North Main Street Whitmore Lake, MI 48189

**RE: Verizon Wireless Existing Towers** 

To Whom It May Concern:

Please see the attached map. It shows all of the existing towers within and near the township as well as type and height. These are depicted by the yellow push pins. The green push pins are existing Verizon Wireless sites in the area and the white push pin is the proposed site. Please call me at (248) 613-4399 if you have any questions.

Sincerely,

**Bob Przybylo** 

RJP Consulting, Inc. o/b/o Verizon Wireless





February 22, 2016

Mr. Andrew Konyha Verizon Wireless

RE: Proposed 120' Sabre Monopole for N Territorial Spencer, MI

Dear Mr. Konyha,

Upon receipt of order, we propose to design and supply the above referenced Sabre monopole for a Basic Wind Speed of 90 mph with no ice and 40 mph with 1" radial ice, Structure Class II, Exposure Category C and Topographic Category 1 in accordance with the Telecommunications Industry Association Standard ANSI/TIA-222-G, "Structural Standard for Antenna Supporting Structures and Antennas".

When designed according to this standard, the wind pressures and steel strength capacities include several safety factors, resulting in an overall minimum safety factor of 25%. Therefore, it is highly unlikely that the monopole will fail structurally in a wind event where the design wind speed is exceeded within the range of the built-in safety factors.

Should the wind speed increase beyond the capacity of the built-in safety factors, to the point of failure of one or more structural elements, the most likely location of the failure would be within the upper portion of the monopole shaft. Assuming that the wind pressure profile is similar to that used to design the monopole, the monopole will buckle at the location of the highest combined stress ratio within the upper portion of the monopole shaft. This is likely to result in the portion of the monopole above "folding over" onto the portion below, essentially collapsing on itself. *Please note that this letter only applies to the above referenced monopole designed and manufactured by Sabre Towers & Poles*. In the unlikely event of total separation, this will result in collapse within a radius of 60 feet.

Sincerely,

Robert E. Beacom, P.E., S.E. Senior Design Engineer



Verizon Wireless 24242 Northwestern Hwy. Southfield, MI 48075

February 22, 2016

Planning Commission Northfield Township 8350 N. Main Street Whitmore Lake, MI 48189

RE: Verizon Wireless Conditional Use/Site Plan Review Application

To Whom It May Concern:

Please accept this letter as notification that the proposed tower will be designed to accommodate two additional carriers with an equal loading of that proposed by Verizon Wireless.

The contact person for this site is Doug Weber, 248-915-3560, <a href="mailto:douglas.weber@verizonwireless.com">douglas.weber@verizonwireless.com</a>, 24242 Northwestern Hwy, Southfield, MI 48075.

Verizon Wireless has prepared the following maintenance plan for the proposed wireless communication facility.

- Weed control -- apply anti-emergent weed control in May, treat weeds as required through growing season
- Snow removal local service provider to be on call when needed
- Debris removal local service provider to be on call when needed

Please call me at (248) 915-3560 if you have any questions.

Sincerely,

Doug Weber

Real Estate Manager

STATE OF MICHIGAN	)
) SS COUNTY OF OAKLAND	)
On this Will day of	1000 2018 before me personally appeared Doug
Weber, Real Estate Manager	r for Verizon Wireless to me known to be the person described above and
who executed the foregoing	instrument, and acknowledged that it was executed as said person's free
act and deed.	
Notary Public: 1000001	Ludipan Giran 5
Col i I	1 110
Print Name:	Wash offer ways
Og Charles Cou	nty, NU
My Commission Expires: 5	06/01

# RJP CONSULTING

March 15, 2016

Planning Commission Northfield Township 8350 North Main Street Whitmore Lake, MI 48189

RE: Verizon Wireless Total Radiation Output from Radio and Antenna System

700MHz LTE (60W radio output)

• 133W/MHz x 10MHz = 1330W ERP

2100MHz LTE (60W radio output)

• 188W/MHz x 20MHz = 3760W ERP

1900MHz LTE (60W radio output)

• 751W/MHz x 5MHz = 3755W ERP

Please call me at (248) 613-4399 if you have any questions.

Sincerely,

Bob Przybylo

RJP Consulting, Inc. o/b/o Verizon Wireless

#### **ULS** License

#### PCS Broadband License - KNLG663 - New Par

Call Sign

KNLG663

Radio Service

CW - PCS Broadband

Status

Active

Auth Type

Regular

Market

Market

BTA145 - Flint, MI

Channel Block

D

Submarket

0

Associated

001865.000000000

Frequencies

001870.00000000

(MHz)

001945.000000000

001950.00000000

Dates

Grant

06/01/2007

Expiration

04/28/2017

Effective

02/03/2011

Cancellation

**Buildout Deadlines** 

1st

04/28/2002

2nd

**Notification Dates** 

ist

04/24/2002

2nd

Licensee

FRN

0003010816

Type

General Partnership

Licensee

New Par

1120 Sanctuary Pkwy, #150 GASA5REG

Alpharetta, GA 30009-7630

ATTN Regulatory

P:(770)797-1070

F:(770)797-1036

E:LicensingCompliance@VerizonWireless.com

Contact

Verizon Wireless

Licensing - Manager

1120 Sanctuary Pkwy, #150 GASA5REG

Alpharetta, GA 30009-7630

ATTN Regulatory

P:(770)797-1070

F:(770)797-1036

E:LicensingCompliance@VerizonWireless.com

#### Ownership and Qualifications

Radio Service Type Mobile

Interconnected Yes Common Carrier Regulatory Status

#### Alien Ownership

Is the applicant a foreign government or the representative of No any foreign government?

Is the applicant an alien or the representative of an alien?

No

Is the applicant a corporation organized under the laws of any foreign government?

No

Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

No

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country?

Yes

The Alien Ruling question is not answered.

#### **Basic Qualifications**

The Applicant answered "No" to each of the Basic Qualification questions.

### **Tribal Land Bidding Credits**

This license did not have tribal land bidding credits.

### **Demographics**

Race

Ethnicity

Gender

#### **ULS** License

PCS Broadband License - KNLG663 - New Par Map

Call Sign

Submarket

KNLG663

Radio Service

CW - PCS Broadband

Market

BTA145 - Flint, MI

Channel Block

001865.000000000

D

0

Associated Frequencies

001870.00000000

(MHz)

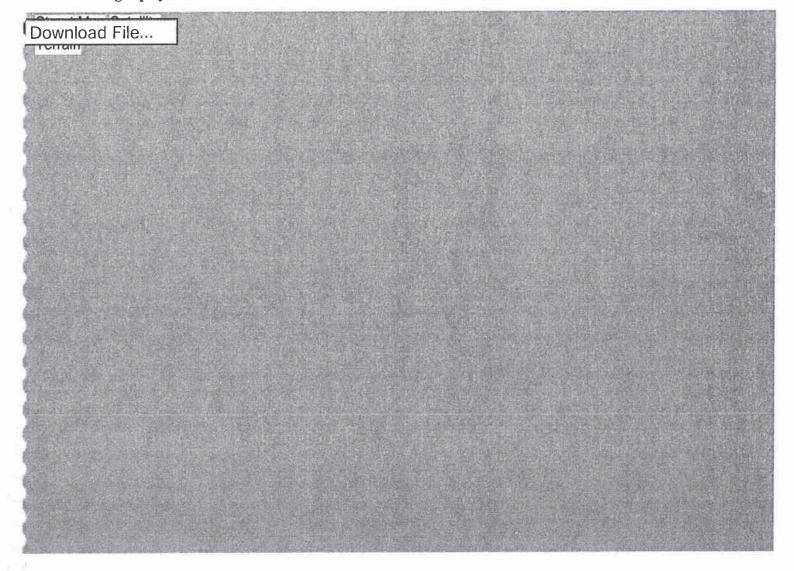
001945.000000000

001950.00000000

Auction

11 - BB PCS DEF

### License Geography



### License Spectrum Range:

#### **EXHIBIT 13**

# Proposed Special Land Use Findings of Fact

### Proposed Standards And Findings To Support The Conditional Use Approval

(1) Will be harmonious with and in accordance with the general objectives, intent and purposes of this chapter;

The new 150' monopole is designed to provide complete 21<sup>st</sup> Century wireless services in accordance with local, State and Federal guidelines. The location is intended to minimize disruption and impact on homesites. The design, location and installation fully meet criteria established under Section 36-720 "Wireless Communication Structures" contained in the Northfield Township Ordinance Chapter 36 – Zoning.

(2) Will be designed, constructed, operated and managed so as to be harmonious and appropriate in appearance with the existing or intended character of the general vicinity;

The galvanized monopole is designed to blend with the area general Agricultural/Residential land uses. In addition, it provides communication mounting opportunities for the adjacent Northfield Township Fire Station No. 2.

(3) Will be compatible with the natural environment and existing and future land uses in the vicinity;

The 10,000 s.f. development will have minimal impact upon surrounding area development patterns.

(4) Will be compatible with the township land use development plan;

The Township Development Plan identifies this parcel as government use (Fire Station). A communication tower is generally an accepted secondary complimentary addendum to such use.

(5) Will be served adequately by essential public facilities and services, such as highways, streets, police, and fire protection, drainage structures, refuse disposal or that the persons or agencies responsible for the establishment of the proposed use shall be able to provide adequately any such service;

The low intensity use will not create any additional burdens upon local facilities including roads, drainage, emergency services and refuse disposal.

The proposed monopole is served by communications cables and electricity.

### (6) Will not be hazardous or disturbing to existing or future neighboring uses;

The monopole and wireless facility will have no adverse impacts on either existing or future neighboring land uses. The site creates no noise, vibrations, smoke, emissions or other environmentally unfriendly impacts.

# (7) Will not create excessive additional requirements at public cost for public facilities and services

#### (Ord. of 7-22-2013, § 63.07)

The site development will not require the addition and expense of any new public facilities and services.

# NORTHFIELD TOWNSHIP PLANNING COMMISSION NOTICE OF REGULAR MEETING June 15, 2016 at 7:00 p.m. Second Floor, Public Safety Building 8350 Main Street, Whitmore Lake, MI 48189

#### **AGENDA**

- 1. CALL TO ORDER
- 2. PLEDGE OF ALLEGIANCE
- 3. ROLL CALL
- 4. APPROVAL OF AGENDA
- 5. CALL TO THE PUBLIC
- 6. CORRESPONDENCE
- 7. REPORTS
  - A. Board of Trustees Report
  - B. ZBA
  - C. Staff Report
  - D. Planning Consultant Report
- 8. PUBLIC HEARINGS:
  - A. Case #JPC160003 Recommend to approve, approve with conditions, or deny the request of Living Water Lutheran Church of Whitmore Lake, 200 Barker Road, Whitmore Lake, MI 48189, parcel number B-02-06-105-025 for a Conditional Use to allow an approximately 7,200 sq. ft. Church under Section 36-391 (23). The parcel is zoned GC General Commercial. (attachment 1)

#### 9. OLD BUSINESS:

A. Case #JPC160001 – Recommend to approve, approve with conditions, or deny the request of Northfield Township, 2727 East North Territorial Road, Whitmore Lake, MI 48189 (Township Fire Station #2) for a Conditional Use Permit to allow a Wireless Communication Facility (Cellular Telephone Tower) for New Par dba Verizon Wireless. Verizon Wireless proposes to construct a new 120' Monopole (with 7' maximum lighting rod on top). The parcel number is B-02-27-100-003 and is zoned AR – Agriculture (attachment 2) (attachment 2)

#### 10. NEW BUSINESS:

- A. Case #JPC160003 Recommend to approve, approve with conditions, or deny the request of Living Water Lutheran Church of Whitmore Lake, 200 Barker Road, Whitmore Lake, MI 48189, parcel number B-02-06-105-025 for a Conditional Use to allow an approximately 7,200 sq. ft. Church under Section 36-391 (23). The parcel is zoned GC General Commercial. (attachment 1)
- B. Discussion on 2016 Goals & Objectives: Lakeside Community Park, Main Street, Business Oriented Zonings and what can the Planning Commission do to make it more attractive to prospective businesses. Including Main Street Concepts.
- 11. MINUTES: May 18, 2016 Regular Meeting
- 12. POLICY REVIEW AND DISCUSSION
- 13. CALL TO THE PUBLIC
- 14. COMMENTS FROM THE COMMISSIONERS
- 15. ANNOUNCEMENT: Special Meeting June 29, 2016
- 16. ADJOURNMENT

This notice is posted in compliance with PA 267 Of 1976 as amended (open meetings act) MCLA 41.7 2A (2) (3) and the Americans with Disabilities Act. (ADA) Individuals with disabilities requiring auxiliary aids or services should contact the Northfield Township Office, (734) 449-5000 seven days in advance.

8350 Main Street, Whitmore Lake, MI 48189-0576 www.twp.northfield.mi.us

NORTHFIELD TOWNSHIP PLANNING COMMISSION
NOTICE OF PUBLIC HEARING

The Northfield Township Planning Commission will hold a public hearing at the request of Living Water Lutheran Church of Whitmore Lake, 200 Barker Road, Whitmore Lake, MI 48189, parcel number B-02-06-105-025 for a Conditional Use to allow an approximately 7,200 sq. ft. Church under Section 36-391 (23). The parcel is zoned GC – General Commercial.

The public hearing will be held on **Wednesday**, **June 15**, **2016** at 7:00 p.m. on the second floor for the Northfield Township Public Safety Building, 8350 Main Street, Whitmore Lake, MI 48189. The application is on file at the Northfield Township Building/Zoning Department, 8350 Main Street, Whitmore Lake, MI 48189, and may be reviewed Monday through Friday, 8:00 a.m. to 4:30 p.m. Written comments may be submitted to the Building/Zoning Department at the Township Hall (8350 Main St.) before 12:00 p.m. on the day of the meeting.

This notice is in compliance with PA 267 of 1976 as amended (Open Meetings Act) MCLA 41.7, 2A (2) (3) and the Americans with Disabilities Act (ADA). Individuals with disabilities requiring auxiliary aids or services should contact the Northfield Township Offices at 743-449-2880 seven days in advance.

Angela Westover – Northfield Township Clerk

Publish: Sunday, May 29, 2016

Newspaper: legalads@mlive.com

of the filing date.

# **Conditional Use Application Form**

Applicant	Owner
Name Living Water Lutheran Church of Whitmore Lake	Name Whitewood Enterprises, Inc.
Address 9876 Main St.	Address 3400 Apache Trail
Whitmore Lake, MI 48189	Pinckney, MI 48169
Phone 734-426-4006	Phone 734-449-8617
If applicant is NOT the property owner, then a state authorizing the application.  X Statement has been attached, applicant is not applicant is owner.	
Parcel ID number <u>B-02-06-105-025</u>	
Address 200 Barker Road	
Whitmore Lake, MI 48189	
Zoning District General Commercial (GC)	
Development Name Living Water Church of Wh	itmore Lake
Proposed Use Church	
General Location 200 Barker Road, Whitmore I	Lake
Applicants Interest in Propertypurchasing pro	
Conditional Use is sought under Section 36-391	1(23)
of the Northfield Township Zoning Ordinance.	
An application for a conditional use permit shall	contain the following information:
X Proof of ownership X Legal Description	
<ul> <li>X Scaled and accurate survey drawing, with ex</li> <li>X A detailed description of the proposed use</li> </ul>	xisting building, drives and other improvements
X A site plan, meeting the requirements of a p Section 64.03, herein.	
X Fee of \$600.00 for CUP / \$500.00 for PSP =	= \$1,100.00 as established by Northfield
Township Board, must accompany application.	
I have read the attached provisions of the Northfi	eld Zoning Ordinance in regards to Article 63.0

Date 5/13/2016 Applicant Frank K. Murdock, President, Living Water

Conditional Use and understand a public hearing will be established within sixty-five (65) days

The Northfield Township Planning Commi above proposed use relative to Section 63.0		rticular circumstances of the
Approved / Disapproved same onattached.	, 20	Supporting evidence is
Conditions imposed on the conditional use	of the above described pro	
Breath of such conditions shall automatical	ly invalidate this permit.	
Chair, Planning Commission	Date	_
Secretary, Planning Commission	Date	- -
I / We for this Conditional Use application and p conditions as specified by the Northfield Planning Commission of Northfield Tow	Township Zoning Ordina	
Date		-

Northfield Township Planning Commission 8350 Main St. Whitmore Lake, MI

To Whom it May Concern:

Whitewood Enterprises, Inc. hereby consents to zoning changes proposed by Living Water Lutheran Church for the property at 200 Barker Rd., provided that no current permitted or conditional uses are eliminated as a result of the zoning change. Any expansion of permitted or conditional uses is approved.

Whitewood Enterprises, Inc.

Robert austron

By Robert Armstrong

President

## Washtenaw County Parcel Summary

This data is received from local cities, villages, and townships. For additional information or verification, please contact your local city, village or township assessor or the Washtenaw County Department of Equalization at (734)222-6662.

Informat	ion herein deemed reliab	le but <b>not</b> guaran	teed.
Parcel I	dentification		
Parcel Number:		B -02-06-105-02	5
City, Villa	age, or Township:	TOWNSHIP OF NO	ORTHFIELD
Parcel St	atus:	ACTIVE	
	Address Street Name & Direction	200 BARKER RD	
Property	City, State, Zip Code	WHITMORE LAKE	MI, 48189
School D	istrict Number & Name	81140 WHITMOF	RE LAKE PUBLIC SCHO
Property	Classification	201 COMMERCIAL	
Taxpaye	er Identification Yea	r 2016	
Taxpayer	Name 1:	WHITEWOOD EN	TERPRISES INC (2016)
Taxpayer	Name 2:		
Taxpayer	Mailing Address:	3400 APACHE TRAIL	
Taxpayer	City, State, Zip Code:	PINCKNEY, MI, 48169	
Assessn	nent		
<u>Year</u>	State Equalized Value	Taxable Value	Principal Residence Exemption %
2015	\$176,300.00	\$150,185.00	0
2014	\$167,700.00	\$147,820.00	0
Sales			
Sale Date:	04/02/2001	Sale Price:	\$0.00
Liber- Page:	L4005 P761	Last Update:	

# Washtenaw County Legal Description

This data is received from local cities, villages, and townships. For additional information or verification, please contact your local city, village or township assessor, the Washtenaw County Clerk/Register of

Deeds at (734)222 Equalization at (73	2-6710 or the Washtenaw County Department of 34)222-6662.	
Parcel Identifica	tion	
Parcel Number:	B -02-06-105-025	
Property Address Street Number, Name & Direction	200 BARKER RD	
City, Village, or Township:	TOWNSHIP OF NORTHFIELD	
Legal Description:	TRANS 3/31/95 ASSR REQUEST **FROM 0206105010 02/09/95 NO 6-5B-2B COM AT E 1/4 COR SEC 6, TH S 88-37-43 W 491.33 FT, TH N 38-56-47 W 75.70 FT TO N'LY R/W BARKER RD & POB, THS 88-37-43 W 200.00 FT, TH N 01-22-17 W 30.03 FT, TH ALNG C/L OF HORSHOE LAKE OUTLET DRAIN N 38-39-29 W 199.90 FT, TH N 49-42-06 W 100.91 FT, TH N 34-36-53 W 175.65 FT, TH 230.67 FT ALNG ARC-CURV-RT RAD=3669.72 FT CH=N 00-04-10 W 230.63 FT, TH S 38-56-47 E 799.49 FT TO POB. PT OF NE 1/4 SEC 6 T1S-R6E. 2.20 AC.	

# Washtenaw County Sales History

This data is received from local cities, villages, and townships. For additional information or verification, please contact your local city, village or township assessor, the Washtenaw County Clerk/Register of Deeds at (734)222-6710 or the Washtenaw County Department of Equalization at (734)222-6662.

Parcel Ider	ntification		
Parcel Numb	er:	B -02-06-105-025	
Property Add Number, Na	dress Street me & Direction	200 BARKER RD	
City, Village	, or Township:	TOWNSHIP OF NOR	THFIELD
		•	
Liber-Page:	Sale Date	Instrument	Sale Price
L4005 P761	04/02/2001	QUIT CLAIM DEED	\$0.00
L3963 P610	08/04/2000	WARRANTY DEED	\$90,000.00
	<u>l</u>		
233331313			Ψ30,000.00

# Living Water Lutheran Church of Whitmore Lake

#### Description of the Proposed Use of 200 Barker Road, Whitmore Lake, MI

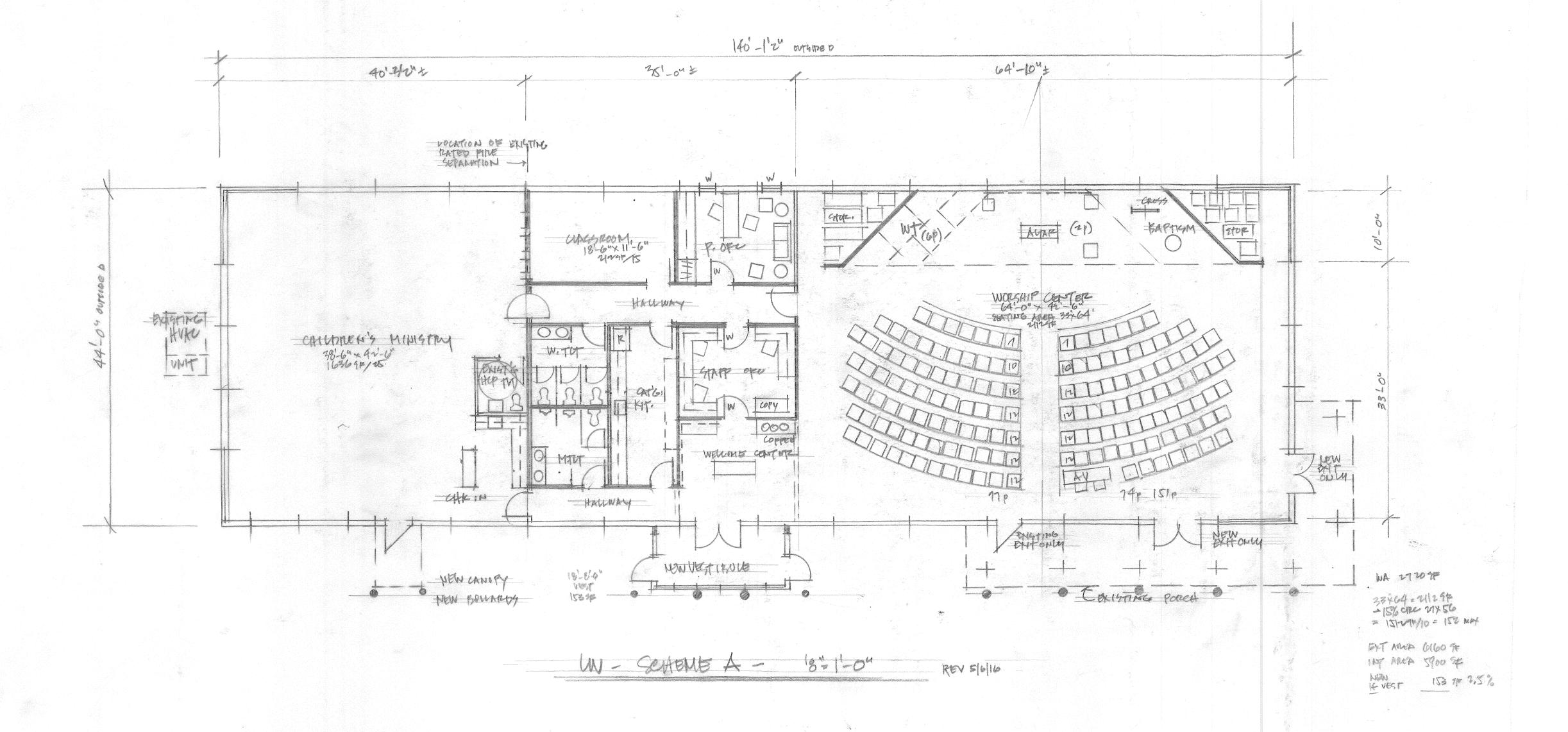
- Harmonious and in accordance with the objectives and regulations within the Zoning Ordinance.
  - o Promoting and protecting the public health, safety and general welfare
    - Since 2004 when Living Water began, it has been active in the community, promoting improvement in the general welfare by partnering with the Whitmore Lake Public Schools and Northfield Human Services with programs like Backpacks for Kids, Rake and Run, Turkeys for Thanksgiving and the Christmas Giving Tree. These programs will continue and be expanded by moving into a permanent facility for Living Water's base of operations.
  - Maintaining the rural, natural and scenic qualities of the township
    - Very little will change in terms of the outside structures and features on the existing property.
       Additional parking will be provided by installing a permeable matting in the grass area (e.g. <a href="GrassProtecta">GrassProtecta</a>®) north of the existing parking lot so the existing drainage and landscape will not change.
  - Provide adequate light, air, privacy, convenience of access to property and lessening and avoiding congestion on the public highways and streets.
    - No substantial changes will be made the exterior of the existing structures. A small vestibule
      entry will be added to improve the egress and foot-traffic into the main building as well as
      insulate against the weather.
    - The existing traffic flow will be maintained with a fire lane only on the east side against the railroad right-of-way and a fire lane on the west side between diagonal parking and the roof overhang.
  - o Regulating the concentration of buildings in relation to the surrounding land.
    - No changes as a result of using the property as a church the same concentration of buildings.
- Compatible with the natural environment and existing and future land uses in the vicinity.
  - Provide for the conservation of the natural resources in the township including air, water, soil and natural features.
    - Drainage and landscape features will be maintain as existing on the property. The Horseshoe Lake drainage stream and retention basin will be maintained.
- Will be served adequately by essential public facilities and disposal or that Living Water will be able to provide adequately any such service.
  - There will be 4 toilets and two urinals added with 4 additional sinks in two public bathrooms and a catering kitchen area. The existing ADA compliant toilet will be maintained.
  - As part of a second phase to be completed within the next two years, a septic tank, toilet, bathroom sink and kitchen sink is planned to be installed, along with heating and air conditioning, in the unattached garage in order for it to be used as a youth center. The septic tank system will include an indicator to signal when it is to be pumped out using a service to be contracted by Living Water.
- Will not be detrimental, hazardous or disturbing to the existing or future neighboring uses, persons, property or the public welfare.
  - Protecting against fire, explosion, noxious fumes, heat, dust, smoke, glare, noise, vibration, radioactivity and other nuisances and hazards.
    - Per the 2015 International Fire Code, Section 903.2.1.3 for Group A-3 assembly usage, the designed occupant load for the large worship space, 2,112 sq. ft. without fixed seating, is 151 and will be posted and controlled below that level (Section 1004.1.2). When the attendance for a particular service exceeds 120 for 7 weeks in a row, Living Water will add an additional service in order to maintain the occupancy load below the posted maximum. Living Water will have



#### Description of the Proposed Use of 200 Barker Road, Whitmore Lake, MI

posted evacuation routes in every room and hallway throughout the building identifying assembly areas where people are to gather and be counted. Living Water will also run an unannounced fire drill at least annually during a service in order to demonstrate and measure how long it takes to evacuate the building in case of a fire. The names of all members and visitors will be recorded at each service and used to account for all occupants after evacuation to the outside assembly areas at the time of a fire or fire drill.

- In addition a dry fire sprinkler system will be installed with an appropriate connection for a pumper fire truck outside the building so that, should a fire occur, it can be extinguished quickly without the fire department having to enter a burning building. Later, as local development and growth in the community continue, and when a municipal water system is installed, Living Water will connect their existing sprinkler system to that municipal source.
- The main building is currently very well insulated from sound so that traffic noise from US 23 and the train traffic is barely audible. Likewise, the music and sound from the Living Water worship services, as a result, will not disturb any of the neighboring businesses during services on Sunday mornings.
- Will not create additional requirements at public cost for public facilities and services that will be detrimental to the economic welfare of the community.
  - Protecting existing public investment in infrastructure.
    - Although there will be an increase in traffic flow into and out of the church, the peak time will be Sunday morning which will not disturb the overall traffic flow into and out of the village along Barker Road during that time. In fact, the church should provide neighboring businesses, should they be open during that time, with additional business due to their proximity to the church.
- Will be compatible with the Township's adopted general development plan.
  - This use by Living Water Church is consistent with the recommendations made by the Township Planner and most recently adopted unanimously by the Township Board on April 12, 2016.





#### **Expected Week in the Life of Living Water Lutheran Church of Whitmore Lake at 200 Barker Road**

·	
Sunday 8:30 a.m.	Pastor and staff (up to 6 people) arrive, unlock church and prepare for Education Hour and Worship
9:00 a.m.	Education Hour begins with approximately 20 adults in Pastor's Bible Class and up to 20 children in either Sunday School or in the Nursery during the same time.
10:15 a.m.	Family Worship begins with up to 150 people (adults and children) worshiping together in the worship center. Nursery will contain two adults as staff and up to 10 babies and toddlers.
11:30 a.m.	Worship ends, people remain for fellowship time.
12:00 p.m.	Monthly Church Council Meeting in class room with up to 10 people attending.
1:00 p.m.	Only Church Council Meeting in class room, rest of the people are gone from the building.
2:00 p.m.	Church Council Meeting ends. Everyone leaves and church is locked.
6:30 p.m.	Small Group Meeting with up to 15 people meeting in class room at church.
9:30 p.m.	Everyone leaves and church is locked.
Monday 8:30 a.m.	Pastor and staff (up to 2 people) arrive and unlock church.
9:00 a.m.	Church visiting hours (up to 6 people in church at one time).
5:00 p.m.	Pastor and staff (up to 6 people) leave and lock church.
7:00 p.m.	Small Group Meeting (e.g. Elders meet monthly) with up to 15 people meeting in class room at church.
9:30 p.m.	Everyone leaves and locks church.
Tuesday 8:30 a.m.	Pastor and staff (up to 2 people) arrive and unlock church.
9:00 a.m.	Church visiting hours (up to 6 people in church at one time).



#### **Expected Week in the Life of Living Water Lutheran Church of Whitmore Lake at 200 Barker Road**

5:00 p.m. Pastor and staff (up to 6 people) leave and lock church.

7:00 p.m. Small Group Meeting with up to 15 people meeting in class room at church.

9:30 p.m. Everyone leaves and locks church.

Wednesday

8:30 a.m. Pastor and staff (up to 2 people) arrive and unlock church.

9:00 a.m. Church visiting hours (up to 6 people in church at one time).

Noon The Advent Wednesdays leading up to Christmas and Ash Wednesday and Lenten

Wednesdays leading up to Easter, will hold mid-day worship services (expect up to 50

people) as an option for those who cannot make the evening services.

1:00 p.m. Worshipers leave, Pastor and staff with visitors meeting (up to 6 people total).

5:00 p.m. Pastor and staff (up to 6 people) leave and lock church.

7:00 p.m. Small Group Meeting with up to 15 people meeting in class room at church.

Thanksgiving Eve and the following Advent Wednesdays leading up to Christmas, will

hold worship service (expect up to 75 people in worship).

8:30 p.m. Worshipers leave, Pastor and staff with visitors meeting (up to 6 people total).

9:30 p.m. Everyone leaves and locks church.

**Thursday** 

8:30 a.m. Pastor and staff (up to 2 people) arrive and unlock church.

9:00 a.m. Church visiting hours (up to 6 people in church at one time). Once a month, Mothers of

Preschoolers (MPOS) will meet (up to 15 mothers with their children) during the school

Year (they do not meet during the summer months).

Noon MOPS leave, Pastor and staff with visitors meeting (up to 6 people total).

5:00 p.m. Pastor and staff (up to 6 people) leave and lock church.

7:00 p.m. Small Group Meeting with up to 15 people meeting in class room at church. Maundy

Thursday (before Easter), services will be held in the homes and not at the church)

9:30 p.m. Everyone leaves and locks church.



#### **Expected Week in the Life of Living Water Lutheran Church of Whitmore Lake at 200 Barker Road**

Friday 8:30 a.m.	Pastor and staff (up to 2 people) arrive and unlock church.
9:00 a.m.	Church visiting hours (up to 6 people in church at one time).
Noon	Good Friday (before Easter) will hold mid-day worship service (expect up to 50 people) as an option for those who cannot make the evening service.
1:00 p.m.	Worshipers leave, Pastor and staff with visitors meeting (up to 6 people total).
5:00 p.m.	Pastor and staff (up to 6 people) leave and lock church.
7:00 p.m.	Small Group Meeting with up to 15 people meeting in class room at church. Good Friday worship service held the Friday before Easter (up to 75 people expected).
9:30 p.m.	Everyone leaves and locks church.
Saturday 8:30 a.m.	Pastor and staff (up to 2 people) arrive and unlock church.
9:00 a.m.	Beginning in March 2017, twice a month will hold temporary clinic for expectant mothers and mothers with infants under a year old. Will schedule no more than 5 mothers an hour with 10 healthcare workers and volunteers assisting (up to 25 people with children). Luke 52 Clinic be responsible for all medical waste generated with proper disposal off the premises.
Noon	Expect one or two weddings a year with up to 150 people attending in the afternoon.
5:00 p.m.	Pastor and staff (up to 6 people) leave and lock church.
7:00 p.m.	Christmas Eve service (2016), expect up to 150 people in worship including Nursery.
9:30 p.m.	Everyone leaves and locks church.



June 13, 2016

Myron Rolison 10237 Cedarcrest Whitmore Lake, MI 48189

Subject: Letter of Understanding

Dear Mr. Rolison,

We, the undersigned, agree that Living Water Lutheran Church of Whitmore Lake has permission to use the gravel area adjacent to Barker Road at 175 Barker Road in Whitmore Lake for parking for people attending Living Water worship services. These services will run from approximately 9:00 a.m. through 1:00 p.m. on Sundays throughout the year. In addition, we will list Myron Rolison and the property at 175 Barker Road on our liability insurance policy. Living Water expects to have no more than 20 cars parking at 175 Barker Road at one time. Living Water will provide parking attendants to direct parking traffic and crossing guards to ensure people can safely cross Barker Road to our location at 200 Barker Road before and after our worship services on Sundays.

Frank K. Murdock, President

Living Water Lutheran Church of Whitmore Lake

Myron Rollson, Owner

175 Barker Road, Whitmore Lake, MI

NORTHFIELD	O TOWNSHIP	
SITE PLAN REVIE	EW APPLICATION	
PROJECT NAME: Living Water Lutheran Chur	ch Worship Center	
PROJECT ADDRESS: 200 Barker Road, Whitmore	Lake, MI 48189	
Applicant Information:	Owner Information:	
Name: Living Water Lutheran Church of Whitmore Lake	Name: Whitewood Enterprises, Inc.	
Address: 9876 Main St., Whitmore Lake, MI 48189	Address: 3400 Apache Trail, Pinkney, MI 48169	
Phone: 734-426-4006	Phone: 734-449-8617	
Email: lmurdock@livingwatermi.org	Email:	
If the applicant is not the property owner, then a statement fr	om the owner <b>MUST</b> be attached authorizing the application.	
Proof of ownership <b>OR</b> Statement if applicant is not owner is attached	ed. 🛛	
If applicant is not the owner, describe applicant's interest in the prop To purchase property to use as a church	perty	
PROPERTY D	DESCRIPTION	
Legal Description: ☐ Attached ☐ On Site Plan	Parcel ID(s): B-02-06-105-025	
· · · · · · · · · · · · · · · · · · ·	anday School, Adult Bible Class, and Youth Bible Class	
•	and meetings during business hours during the week.	
	nildren and youth classes during the week.	
Total Acreage of Site:	Total Floor Area:	
2.2 acres	Existing: 7,031 sq. ft. (5,900 + 1,131)	
	Proposed: 7,161 sq. ft. (6,030 + 1,131)	
Height of Structure(s) (in stories & feet):	Sanitary Facilities: ☒ Sewer ☐ Septic	
1 story, 22 feet	Water: ☐ Municipal	
Zoning Classification(s):		
	MGC □ES □HC □GI □LI □Other —————	
	VIEW OPTIONS	
Administrative Site Plan Review:	Site Plan Review:	
∑ Expansion or reduction of an existing, conforming structure less than 2,000 sq. ft. / 5% of floor area	☐ New Construction	
☑ Additional parking, loading / unloading spaces and landscape	☐ Building Addition	
improvements		
Development Plan Review:	Amendment to Approved Site Plan or Development Plan:	
☐ Planned Unit Development	☐ Site Plan	
☐ Planned Residential Development	☐ Development Plan	
☐ Site Condominium Plan		
Site or Development Plan Review in conjunction with:	ning Request □ Special Land Use Request	

Telephone: 734-497-5000

Facsimile: 734-497-0123

Application #	

AUTHO	DRIZED SIGNATURE
I hereby state that all of the above statements and all of the a	Date: 5/13/2016
	OFFICE USE ONLY  Planning Commission Received Date:
Planning Commission Action: ☐ Approved Date: Expiration Date:	
Fee Received: □ Cash □ Check #	

Northfield Township Planning Commission 8350 Main St. Whitmore Lake, MI

To Whom it May Concern:

Whitewood Enterprises, Inc. hereby consents to zoning changes proposed by Living Water Lutheran Church for the property at 200 Barker Rd., provided that no current permitted or conditional uses are eliminated as a result of the zoning change. Any expansion of permitted or conditional uses is approved.

Whitewood Enterprises, Inc.

Robert austron

By Robert Armstrong

President

## Washtenaw County Parcel Summary

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Informat	ion herein deemed reliab	le but <b>not</b> guaran	teed.
Parcel I	dentification		
Parcel Number:		B -02-06-105-02	5
City, Villa	age, or Township:	TOWNSHIP OF NO	ORTHFIELD
Parcel St	atus:	ACTIVE	
	Address Street Name & Direction	200 BARKER RD	
Property	City, State, Zip Code	WHITMORE LAKE	MI, 48189
School D	istrict Number & Name	81140 WHITMOF	RE LAKE PUBLIC SCHO
Property	Classification	201 COMMERCIAL	
Taxpaye	er Identification Yea	r 2016	
Taxpayer	Name 1:	WHITEWOOD EN	TERPRISES INC (2016)
Taxpayer	Name 2:		
Taxpayer	Mailing Address:	3400 APACHE TRAIL	
Taxpayer	City, State, Zip Code:	PINCKNEY, MI, 48169	
Assessn	nent		
<u>Year</u>	State Equalized Value	Taxable Value	Principal Residence Exemption %
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2014	\$167,700.00	\$147,820.00	0
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Sale Date:	04/02/2001	Sale Price:	\$0.00
Liber- Page:	L4005 P761	Last Update:	

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Deeds at (734)222 Equalization at (73	2-6710 or the Washtenaw County Department of 34)222-6662.		
Parcel Identifica	tion		
Parcel Number:	B -02-06-105-025		
Property Address Street Number, Name & Direction			
City, Village, or Township:	TOWNSHIP OF NORTHFIELD		
Legal Description:	TRANS 3/31/95 ASSR REQUEST **FROM 0206105010 02/09/95 NO 6-5B-2B COM AT E 1/4 COR SEC 6, TH S 88-37-43 W 491.33 FT, TH N 38-56-47 W 75.70 FT TO N'LY R/W BARKER RD & POB, THS 88-37-43 W 200.00 FT, TH N 01-22-17 W 30.03 FT, TH ALNG C/L OF HORSHOE LAKE OUTLET DRAIN N 38-39-29 W 199.90 FT, TH N 49-42-06 W 100.91 FT, TH N 34-36-53 W 175.65 FT, TH 230.67 FT ALNG ARC-CURV-RT RAD=3669.72 FT CH=N 00-04-10 W 230.63 FT, TH S 38-56-47 E 799.49 FT TO POB. PT OF NE 1/4 SEC 6 T1S-R6E. 2.20 AC.		

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Parcel Ider	ntification		
Parcel Number:		B -02-06-105-025	
Property Address Street Number, Name & Direction		200 BARKER RD	
City, Village, or Township:		TOWNSHIP OF NORTHFIELD	
		•	
Liber-Page:	Sale Date	Instrument	Sale Price
L4005 P761	04/02/2001	QUIT CLAIM DEED	\$0.00
L3963 P610	08/04/2000	WARRANTY DEED	\$90,000.00
	<u>l</u>		
233331313			Ψ30,000.00

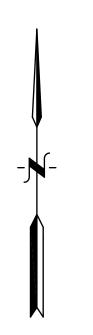
# SITE PLAN

# CHANGE OF USE

# LIVING WATER LUTHERAN CHURCH

# OF WHITMORE LAKE

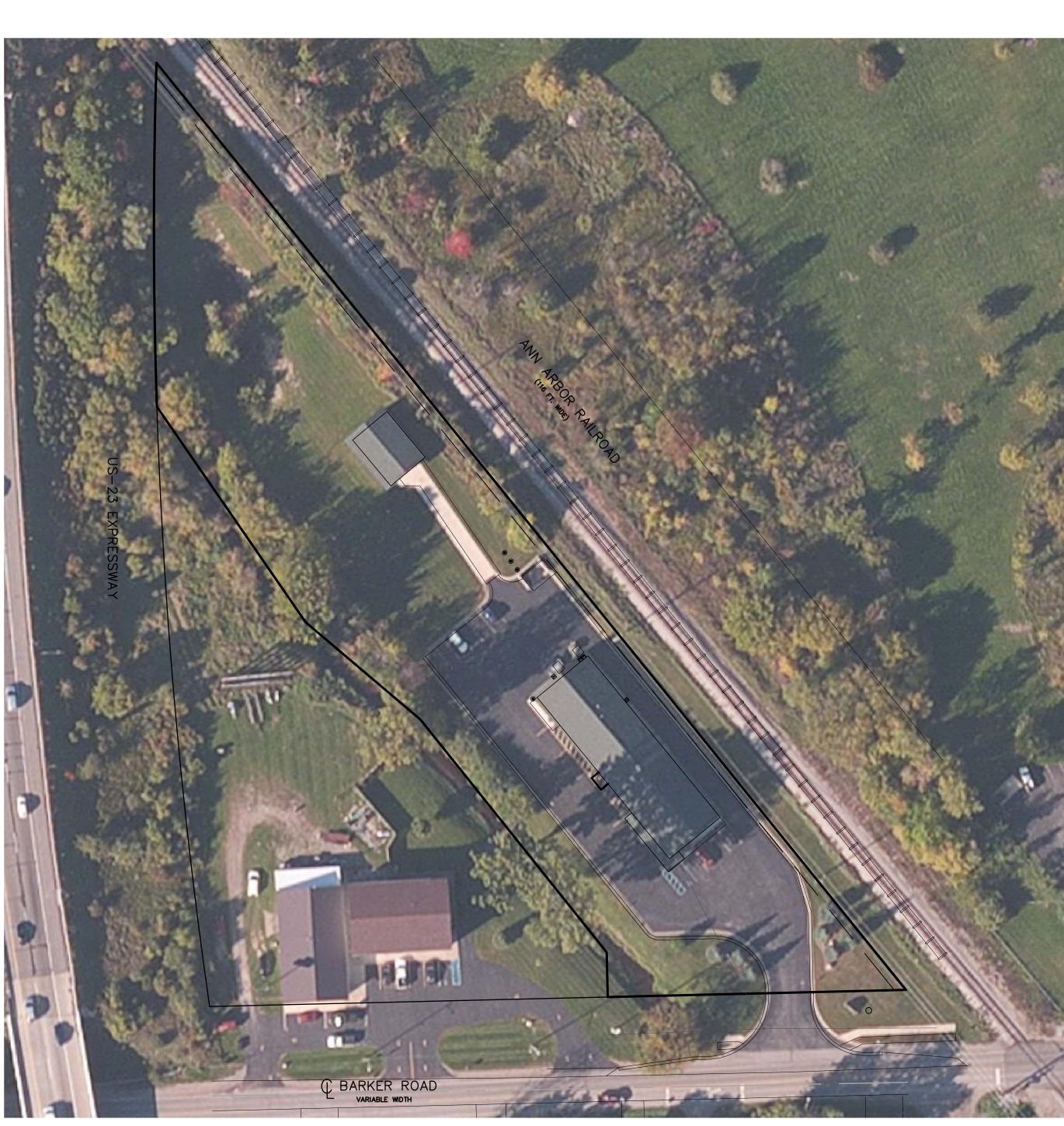
200 BARKER ROAD, WHITMORE LAKE, MICHIGAN A PART OF THE NORTHEAST 1/4 OF SECTION 6, T1S,R6E NORTHFIELD TOWNSHIP, WASHTENAW COUNTY, MICHIGAN



### 2.20 ACRE PARCEL

Commencing at the East 14 Corner of Section 6, T1S, R6E, Northfield Township, Washtenaw County, Michigan; thence S88°37'43"W 491.33 feet along the East—West 1/4 line of said Section 6 and the feet along the East—West 1/4 line of said Section 6 and the centerline of Barker Road; thence N38°56′47″W 75.70 feet along the southwesterly right—of—way line of the Ann Arbor Railroad for a PLACE OF BEGINNING; thence S88°37′43″W 200.00 feet along the north right—of—way line of said Barker Road; thence N01°22′17″W 30.03 feet; thence the following 3 courses along the centerline of the Horshoe Lake Outlet Drain; N38°39′29″W 199.90 feet, N49°42′06″W 100.91 feet, and N34°36′53″W 1785.65 feet; thence along the easterly right—of—way line of the US—23 Expressway 230.67 feet along the arc of a 3669.72 foot radius non—tangential circular curve to the right, with a chord bearing N00°04′10″W 230.63 feet; thence S388′47″E 799.49 feet along the southwesterly right—of—way line of said Ann Arbor Railroad to the Place of Beginning, being a part of the Northeast 1/4 of said Section 6, containing 2.20 acres of land, more of less, being subject to easements and restrictions of record, if any.

TAX. ID. # 02—06—105—025

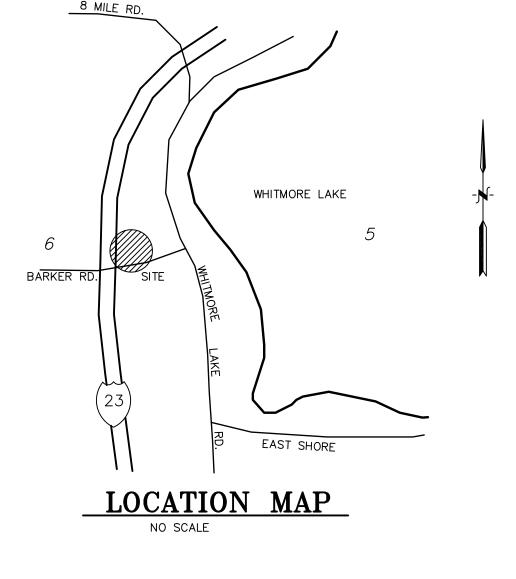


**AERIAL PHOTOGRAPH** SCALE: 1in. = 50ft.

# OWNER LIVING WATER LUTHERAN CHURCH OF WHITMORE LAKE 2020 TIBBITTS COURT ANN ARBOR, MICHIGAN 48195

# ENGINEER/SURVEYOR

DESINE INC. 2183 PLESS DRIVE BRIGHTON, MICHIGAN 48114 PHONE: (810) 227-9533



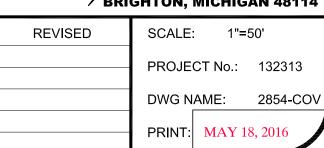
SHEET INDEX

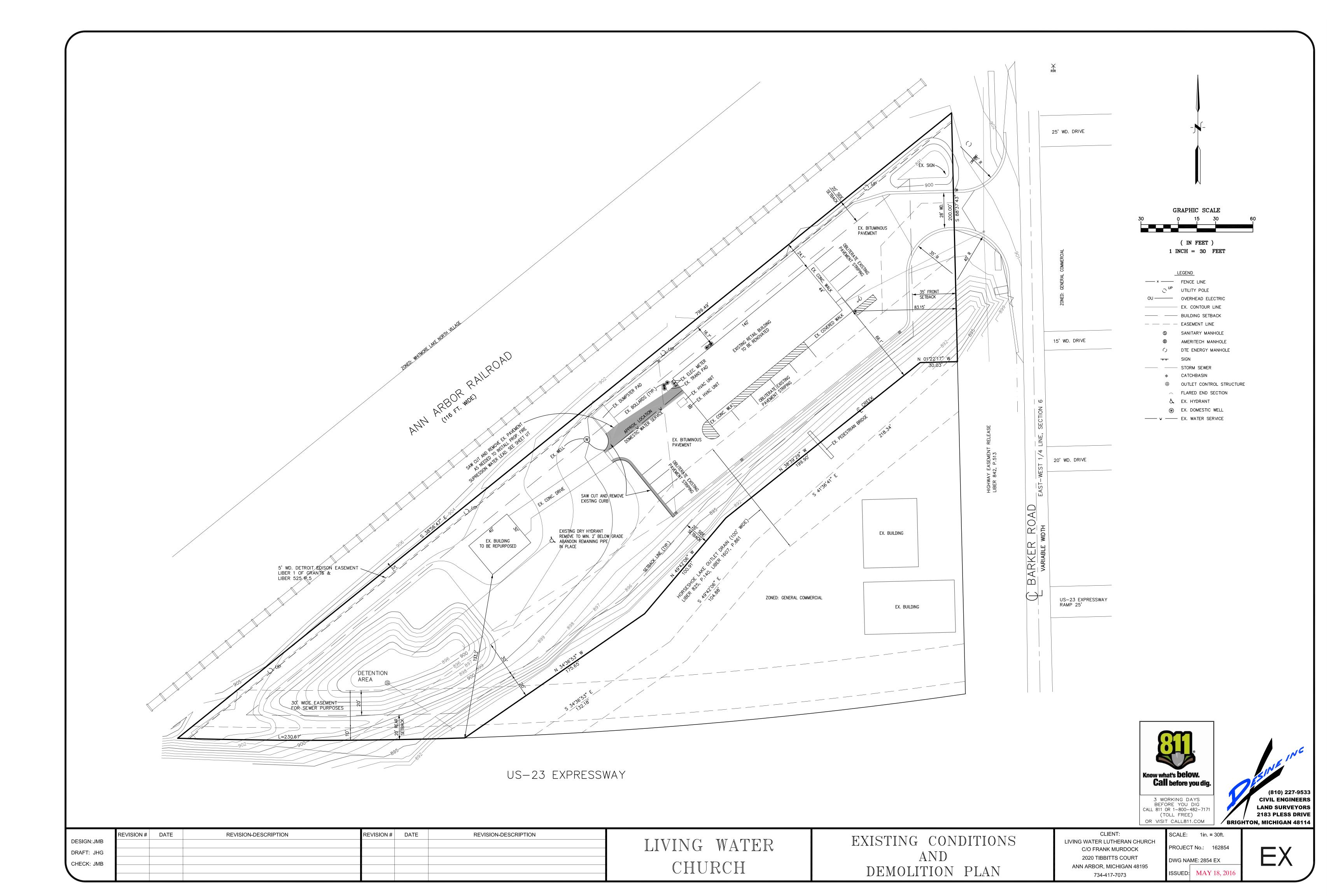
**EXISTING CONDITIONS & DEMOLITION PLAN** 

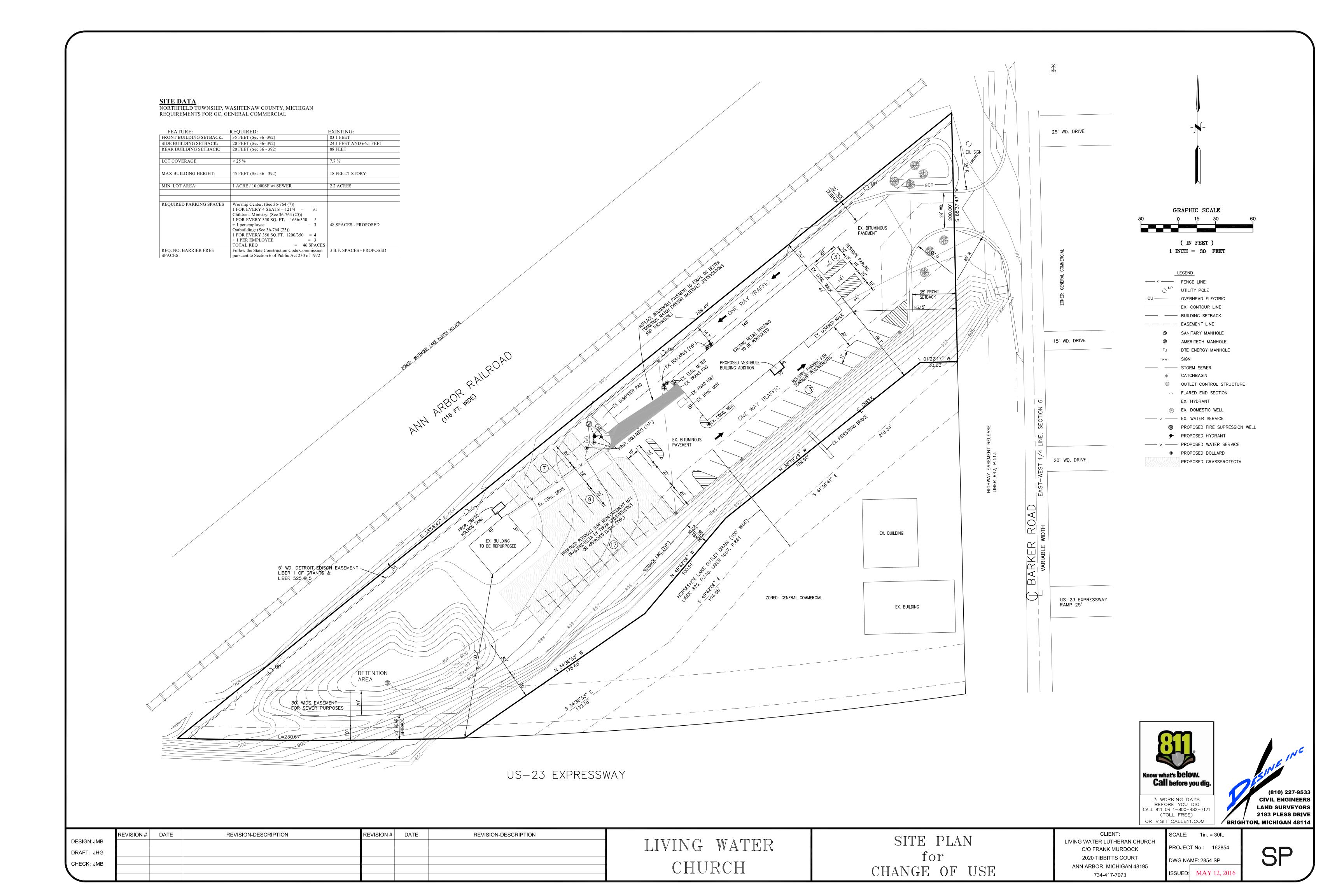
SITE PLAN FOR CHANGE OF USE

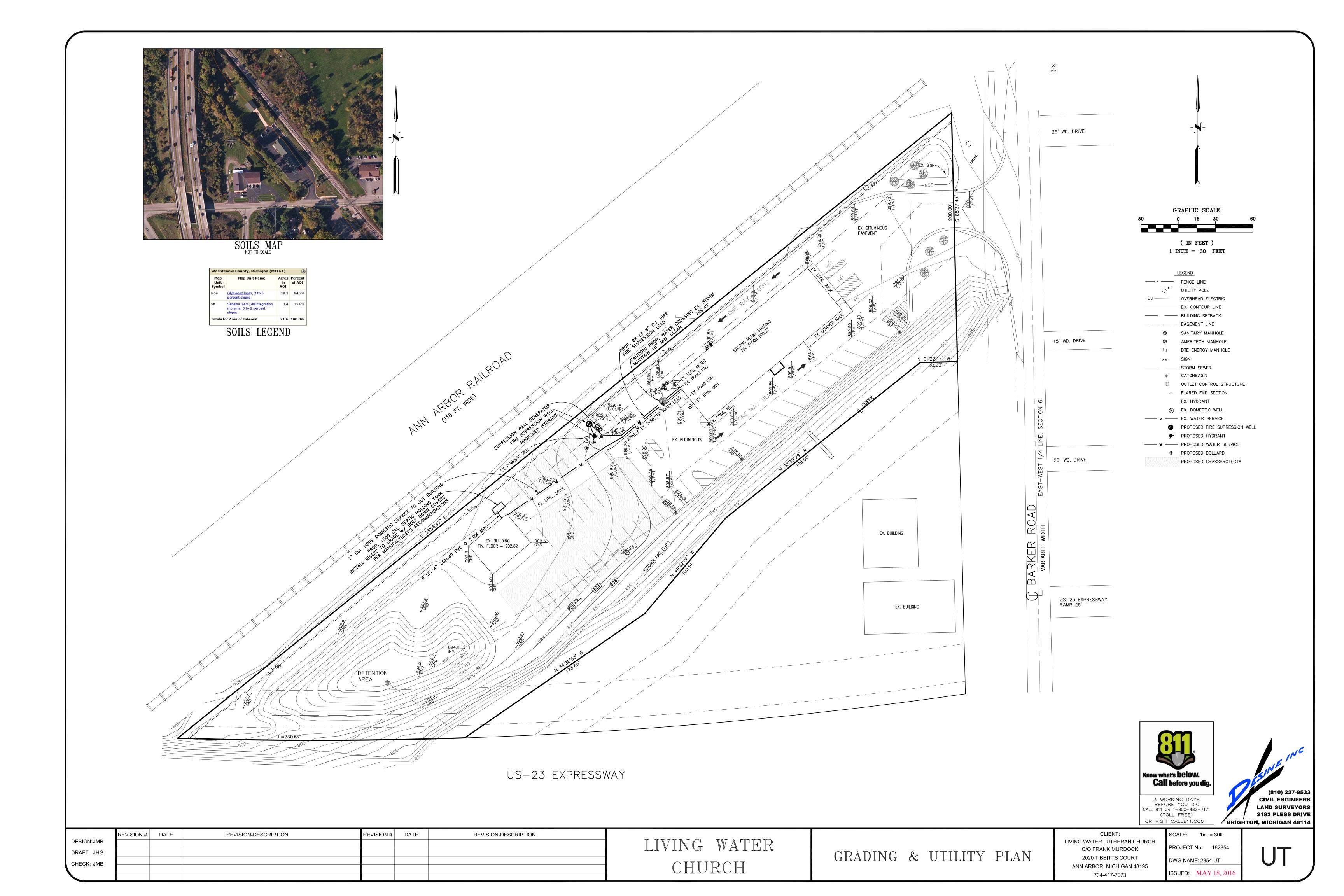
GRADING AND UTILITY PLAN

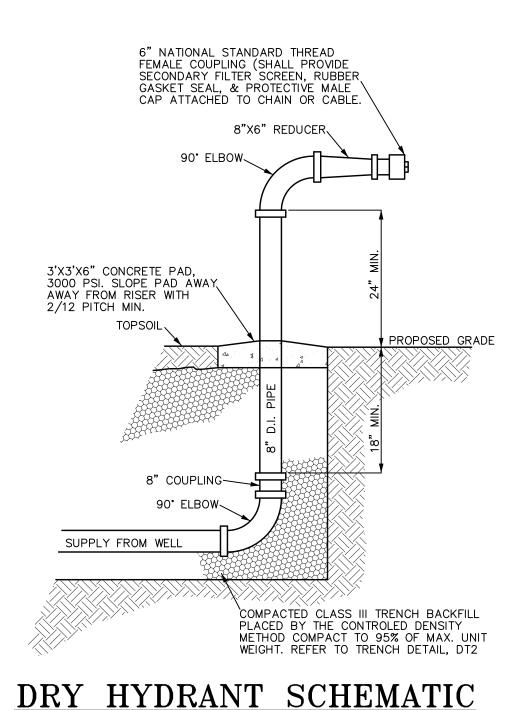


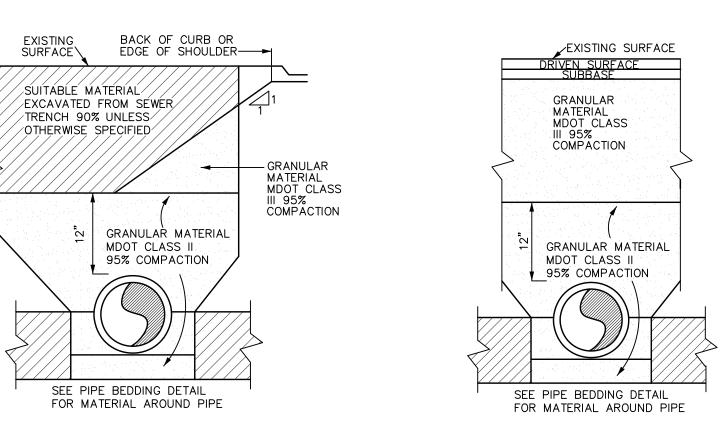


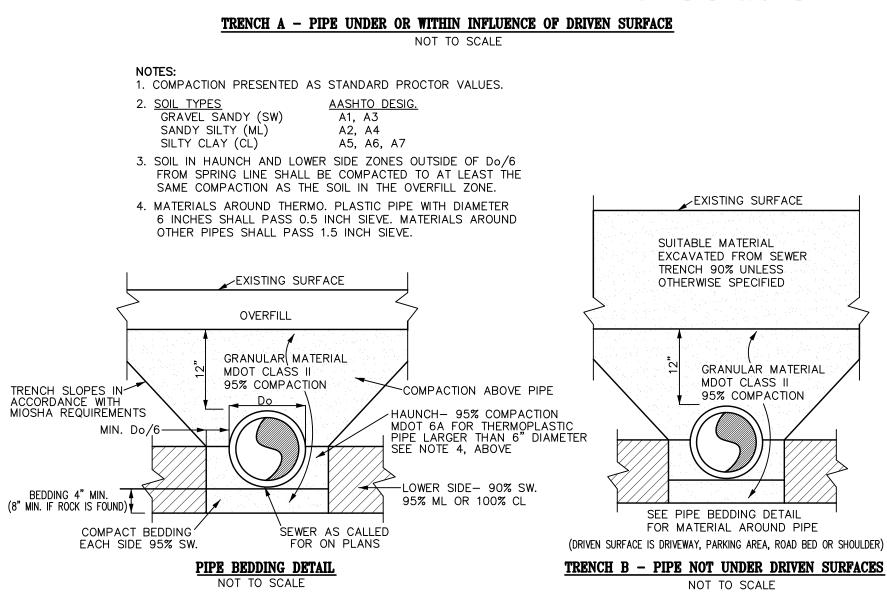




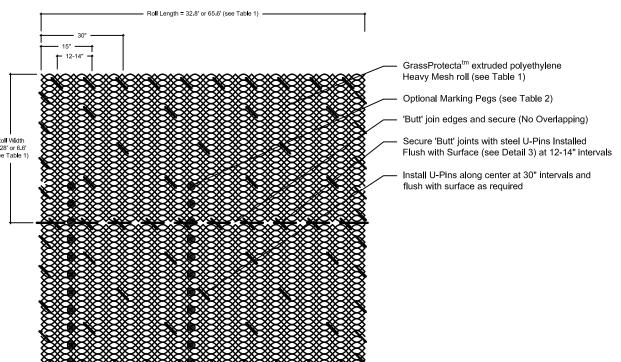








TRENCH DETAILS



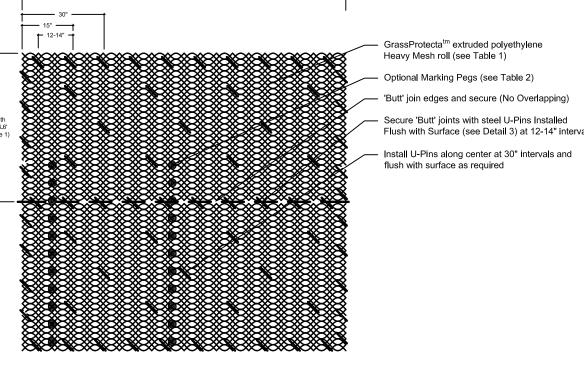
GrassProtecta<sup>tm</sup>: Pinning Diagran

Scale: N.T.S.

TYPAR Geosynthetics

70 Old Hickory Blvd. Old Hickory, TN 37138

Toll-Free: 1-800-541-5519



recent incention that the information accords is given as a guide only. All sizes and weights are nominal figures and may vary to what is published. Polymer Group Inc., Inc. cannot be liable for damage caused by incorrect installation of this product. Final determination of the suitability of any information or material for the use contemplated and the manner of its use is the sole responsibility of the user and the user must assume all risk and responsibility in connection therewith. - Fill any depressions with a 70:30 blend of Install GrassProtecta<sup>tm</sup> extruded polyethylene Heavy mesh roll directly on existing surface (see

Existing soil profile (see Note 1)

with Surface (see Table 2)

- Secure Grass Protecta<sup>tm</sup> with U-Pins Flush

DESIGN NOTES:

Table 1 : Product Specifications

Nominal Dimensi

d Point Elongation (MD)

Material

GrassProtecta<sup>tm</sup> extruded polyethylene Oscillating stall U-Pins within Mesh Weave and 'Flush' with GrassProtecta<sup>tm</sup> surface

Note 1: Where weak and / or waterlogged ground conditions exist, these must be improved prior to placement of GrassProtecta<sup>™</sup>. For occasional use by trucks, a sub-base may be required.

Note 2: Fill any shallow depressions on the grassed surface with a 70:30 blend of sharp sand and good quality topsoil - level and firm. Seed may be applied at this stage or later to avoid disturbance while

laying the mesh.

Note 3: Use additional pins/pegs to secure any raised areas or where any bridging or rippling of the rolls is evident.

Note 4: GrassProtecta™ can become slippery when wet (before the grass has had a chance to grow through). Polymer Group Inc., inc. strongly recommend that all newly installed mesh is sealed off and

Vehicle access routes, Overflow parking lots, Pedestrian and handleap access, Golf cart paths, Footpaths, RV/boat access, Light alrcraft taxhways/parking Slope stabilization and occasional truck access (determined by ground conditions

Pegs - Black

Plastic

Pegs - Yellow

Plastic

Plastic

signage erected to advise of any potential slip hazards.

Note 5: Best results are obtained by not using the area until the grass has grown though the mesh apertures. This usually takes 4-8 weeks in the growing season. The area can be trafficked immediately, but grass will benefit from traffic restriction during establishment if practical to do so..

Note 5: Advice on suitability for specific applications including the use of a geogrid layer is available from the Polymer Group Inc., Inc. technical team.

GrassProtecta<sup>tn</sup>

Specification, Design & Installation Guide

Standard & Heavy

#### **GENERAL NOTES:**

1. Contractor shall perform the work in accordance with the requirements of the appropriate Local, County and State Agencies and all other Government and Regulatory Agencies with jurisdiction over the project. Contractor shall notify the appropriate Agencies in advance of each stage of work in accordance with each Agency's requirements.

2. Contractor shall comply with all permit, insurance, licensing and inspection requirements associated with the work. Prior to construction, Contractor and Owner/Developer shall determine who is responsible for obtaining each required permit. Contractor shall verify that the each required permit has been obtained prior to commencement of the stage of work associated with the required permit(s).

3. Contractor shall furnish liability insurance and property damage insurance to save harmless the Owner, Developer, Architect, Engineer, Surveyor and Government Agencies for any accident occurring during the construction period. Refer to the appropriate Local, County and State Agencies for additional requirements. Copies of insurance certifications shall be made available to the Owner/Developer.

4. Contractor shall conduct and perform work in a safe and competent manner. Contractor shall perform all necessary measures to provide for traffic and pedestrian safety from the start of work and through substantial completion. Contractor shall determine procedures and provide safety equipment such as traffic controls, warning devices, temporary pavement markings and signs as needed. Contractor shall comply with the safety standards of the State Department of Labor, the occupational health standards of the State Department of Health and safety regulations of the appropriate Local, County, State and Federal Agencies. Refer to the safety specifications of the appropriate Regulatory Agencies. The Contractor shall designate a qualified employee with complete job site authority over the work and safety precautions; said designated employee shall be on site at all times during the work.

5. Contractor shall coordinate scheduling of all work in the proper sequence, including work by Subcontractors. Additional costs due to improper planning by Contractor or work done out of sequence as determined by standard acceptable construction practices, shall be Contractor's responsibility.

6. Contractor shall contact the 811 Underground Public Utility Locating System or other appropriate local underground utility locating Agency, a minimum of three (3) working days prior to construction. Existing utility information on the project plans may be from information disclosed to this firm by the Utility Companies, Local, County or State Agencies, and/or various other sources. No guarantee is given as to the completeness or accuracy thereof. Prior to construction, locations and depths of all existing utilities (in possible conflict with the proposed improvements) shall be verified in the field.

7. Contractor shall coordinate scheduling a Pre-Construction Meeting with Engineer prior to commencement of work.

8. The Local Municipality, County and/or State in which the project is located may require an Engineer's Certification of construction of the proposed site improvements. Contractor shall verify the certification requirements with Engineer prior to commencement of work. Contractor shall coordinate construction staking, testing, documentation submittal and observation with the appropriate Agency, Surveyor and/or Engineer as required for Engineer's Certification and Government Agency Acceptance. All materials used and work done shall meet or exceed the requirements of certification and acceptance, the contract documents and the material specifications noted on the project plans. Any materials used or work done that does not meet said requirements, contract documents and/or specifications shall be replaced and/or redone at Contractor's expense. The Owner/Developer may wait for test results, certifications and/or Agency reviews prior to accepting work.

9. Engineer may provide subsurface soil evaluation results, if available, to Contractor upon request. Subsurface soil evaluation results, soils maps and/or any other documentation does NOT guarantee existing soil conditions or that sufficient, acceptable on-site granular material is available for use as structural fill, pipe bedding, pipe backfill, road subbase or use as any other granular material specified on the project plans. On-site granular material that meets or exceeds the material specifications noted on the project plans may be used as structural fill, pipe bedding, pipe backfill and/or road subbase material. On-site granular material shall be stockpiled and tested as acceptable to the appropriate Agency and/or Engineer prior to use.

10. During the performance of their work, Contractor shall be solely responsible for determining soil conditions and appropriate construction methods based on the actual field conditions. Contractor shall furnish, install and maintain sheeting, shoring, bracing and/or other tools and equipment and/or construction techniques as needed for the safety and protection of the workers, pedestrians and vehicular traffic and for protection of adjacent structures and site improvements.

11. Contractor shall install temporary and permanent soil erosion and sedimentation control devices at the appropriate stages of construction in accordance with the appropriate regulatory Agencies. Refer to Soil Erosion and Sedimentation Control Plans and Notes on the project plans.

12. Structural fill shall be placed as specified on the project plans and within the 1 on 1 influence zone of all structures, paved areas and other areas subject to vehicular traffic. Structural fill shall be placed using the controlled density method (12" maximum lifts, compacted to 95% maximum unit weight, modified proctor). Fill material shall meet or exceed the specifications noted on the project plans or as directed by Engineer when not specified on the

13. All existing monuments, property corners, ground control and benchmarks shall be protected and preserved; and if disturbed by Contractor, shall be restored at Contractor's expense. Contractor shall notify Surveyor of any conflicts between existing monuments, property corners, ground control and/or benchmarks and the proposed site improvements.

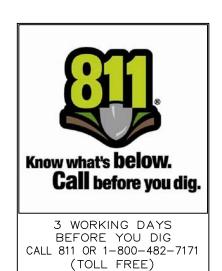
14. Contractor shall notify Owner/Developer and Engineer immediately upon encountering any field conditions, which are inconsistent with the project plans and/or specifications.

15. When noted on the project plans for demolition and/or removal, Contractor shall remove existing structures, building and debris and recycle and/or dispose of in accordance with Local, County, State and Federal regulations.

16. Contractor shall remove excess construction materials and debris from site and perform restoration in accordance with the project plans and specifications. Disposing of excess materials and debris shall be performed in accordance with Local, County, State and Federal regulations.

17. Construction access to the site shall be located as acceptable to the Owner/Developer and to the appropriate Local, County and/or State Agency with jurisdiction over the road(s) providing access to the site. Construction access shall be maintained and cleaned in accordance with the appropriate Local, County and/or State Agencies and as directed by Owner/Developer and/or Engineer.

18. Contractor shall take necessary precautions to protect all site improvements from heavy equipment and construction procedures. Damage resulting from Contractor actions shall be repaired at Contractor's expense.





REVISION# DATE REVISION-DESCRIPTION REVISION # DATE REVISION-DESCRIPTION DESIGN: JMB DRAFT: JHG CHECK: JMB CHURCH

LIVING WATER

CLIENT: LIVING WATER LUTHERAN CHURCH C/O FRANK MURDOCK DETAILS 2020 TIBBITTS COURT ANN ARBOR, MICHIGAN 48195

SCALE: AS NOTED PROJECT No.: 162854 DWG NAME: 2854 DT ISSUED: MAY 18, 2016

OR VISIT CALL811.COM

734-417-7073



ARCHITECTS. ENGINEERS. PLANNERS.

June 8, 2016

Northfield Township Building & Zoning Department 8350 Main Street, Suite A Whitmore Lake, Michigan 48189

Regarding: Living Water Church

Site Plan Review #1

OHM Job Number: 0151-16-1031 Conditional Use Review #1 OHM Job Number: 0151-16-1037

We have reviewed the site plan material, received by this office on May 23, 2016 for the above-referenced project based on the Township's Engineering Standards. Plans were prepared by Desine Inc. with a date of May 18, 2016. The applicant is requesting Conditional Use and Site Plan approval for the existing general commercial site. A general summary of the site, followed by our review comments and recommendations is noted below.

#### General

The existing site is located on parcel #B-02-06-105-025 with address 200 Barker Road. The site is currently zoned as GC, General Commercial. The applicant is proposing to convert the existing building into a worship center and an auxiliary storage structure into a youth center. The applicant also proposes a vestibule addition to the existing building along with additional parking area.

#### **Utilities**

Water service for the existing site is supplied by a private on-site well. Existing sanitary sewer service is provided by a connection to the public sewer along Barker Road. The Applicant is proposing to install an additional well to provide fire suppression service. The existing auxiliary structure, which is planned to be repurposed as a youth center, also includes the addition of new water and sewer services. Water for the youth center is proposed to be connected to the existing domestic well and a septic holding tank is proposed for sanitary sewer. The property has an existing connection to the Township's public sanitary sewer. In this case a septic tank is not permissible by Township ordinance or by the Washtenaw County Department of Public Health.

Because of the change in building use, the number of Residential Equivalent Units (REUs) for the property will need to be assessed based on the proposed use of the site. We have reviewed the proposed building use and site plan with the Township Sewer System Superintendent in order to calculate an appropriate REU assignment. According to the Township Utilities Ordinance, churches are assigned a unit factor of 0.25 REU per 1,000 square feet. Based on the unit factor and square footage of the building a total of 1.5 REUs will need to be assigned to this site. It should be noted that if the youth center building is also proposed to be connected to the public sanitary sewer system, the REU assignment would need to be revised to account for that additional building area.

Living Water Church Site Plan Review #1 & Conditional Use Review #1 June 8, 2016 Page 2 of 3

#### Paving/Access/Grading

Access to the site is provided from Barker Road by way of an existing asphalt drive. The existing site has fifteen (15) parking spaces provided. Additional parking is proposed north of the existing parking lot in the grass area by installing permeable, reinforced matting. The Township Ordinance for off-street parking states that "all parking areas shall be paved with a concrete or asphaltic surface" [Sec. 36-762 (b)(3)].

The existing aisle on the north side of the site has a width of 16.7 feet. Emergency vehicle circulation does not appear to be adequate for a WB-50 truck or a fire apparatus due to potential obstructions from parked vehicles in the proposed parking locations. Dedicated fire lane signage shall be provided. Proposed site access for emergency vehicle circulation and maneuverability will be evaluated by the Northfield Township Fire Department.

Existing and proposed grades are shown via contours. The parking lot has some spot grades, but more are necessary to ensure drainage patterns are correct and ADA compliance is met for the designated barrier-free parking spaces.

#### **Drainage**

The existing conditions appear to convey storm water runoff from the parking lot entering three (3) catch basins on the outside curb line of the parking lot that flow into an existing detention pond in the southwest corner of the property. Storm water is detained and then discharged into the Horseshoe Lake Outlet (County) Drain. In general, the drainage properties of the proposed site are the same as the existing site. We note that the requirement for paving the additional proposed parking area will increase the impervious area of the site and will require evaluation of the storm water management system (storm sewer and detention pond). Any necessary modifications to the existing detention pond to accommodate the additional impervious surface stormwater flow must comply with the Rules and Guidelines of the Washtenaw County Water Resources Commissioner (WCWRC) and may require a permit from the WCWRC.

#### Permits and Other Agency Approvals

Copies of all permits and/or letters of waiver, obtained to date, shall be forwarded to this office. The current status of all necessary permits should be included on the cover sheet. We note that this project will require the following permits:

- Washtenaw County Water Resources Commissioner for soil erosion and sedimentation control, work within the county drain easement, and any modification to the detention pond discharge into the Horseshoe Lake Outlet Drain
- Northfield Township Fire Department approval for emergency vehicle access and maneuverability.
- Northfield Township Building Department.

#### Conclusion and Recommendations

As submitted, the Conditional Use application appears to be in substantial compliance with the Township requirements and we recommend the Planning Commission consider approval, conditional on the site plan being approved.

As submitted, the Site Plan does not appear to be in substantial compliance with the Northfield Township Site Plan requirements. We recommend that these comments be addressed prior to consideration of the Site Plan for approval by the Planning Commission. Please note that additional comments may be generated on future reviews based upon revised material being presented.

Living Water Church Site Plan Review #1 & Conditional Use Review #1 June 8, 2016 Page 3 of 3

- If sewer service is desired for the proposed youth center it must be connected to the public sanitary sewer system and REU assignments revised accordingly.
- 2. The proposed parking lot addition shall be paved with concrete or asphalt per the Township Ordinance.
- 3. Fire lanes shall be designated by signs and/or pavement markings.
- 4. Additional spot grades shall be provided for the parking lot to ensure drainage patterns are correct and ADA compliance is met for handicap parking spaces.
- 5. Any necessary detention pond modifications shall be shown on the plans with preliminary calculations for the detention pond design.
- 6. The plans shall include a landscape plan showing size, location, and type of all plant materials.
- 7. Soil erosion and sedimentation control measures shall be shown on the plans.
- 8. The plans shall include delineation of the 100-year floodplain. If no floodplain exists, a note shall indicate so.

If you have any questions regarding this review or any of the comments presented, feel free to contact us at (734) 522-6711 or <u>jacob.rushlow@ohm-advisors.com</u>.

Sincerely,

**OHM ADVISORS** 

Jacob Rushlow, P.E.

Township Engineer

cc: Howard Fink, Township Manager (via e-mail)

Tim Hardesty, Northfield Township (via e-mail)

William Wagner, Public Safety Director (via e-mail)

Kurt Weiland, Building/Zoning Official (via e-mail)

Ken Dignan, Planning Commission Chair (via e-mail)

Sally Hodges, AICP, McKenna Associates (via e-mail) Frank Murdock, President, Living Water (via e-mail)

Dile.

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#### COMMUNITY PLANNING AND DESIGN

June 8, 2016

Planning Commission Northfield Township 8350 Main Street Whitmore Lake, MI 48189-0576

Subject: Conditional Use Review #1; Living Water Church /200 Barker Road; Application received by Township on 5/13/2016.

#### Dear Commissioners:

We have reviewed the proposed application for conditional use approval submitted by Living Water Church for a new church to be located in an existing building at 200 Barker Road. The site is 2.2 acres and zoned GC (General Commercial) District. The existing 6,160 sq. ft. building on the site is the former Lakeside Saddlery. The plan proposes to add a small 6'x10' vestibule on the west side entrance to the building. Our review of the site plan is under separate cover.

#### **CONDITIONAL USE COMMENTS**

Conditional use approval of a church, synagogue, cathedral, mosque, temple or other building used for public worship is





1. Will be harmonious with and in accordance with the general objectives, intent and purpose of this chapter. The applicant's application includes a description of how the proposed use complies with the Ordinance criteria. Further, a typical weekly schedule of events has been submitted to give a better understanding of the number of people present on the site at any one time, the potential traffic, and the related impacts the use could have on the surrounding area. As expected, the times of heaviest traffic will be before and after religious services, generally at times of lower traffic on the abutting public road. The stated purpose of the GC zoning district is for general retail, service and repair business activities that serve the entire township and surrounding area, and which utilize major roads. Reuse of this site and building for a church, while not a business use, would be



Northfield Township Planning Commission Living Water Church, 200 Barker Road CU Review #1 June 8, 2016 ~ Page 2

consistent with the separation of more intense from less intense uses because of the site's location between the freeway and the railroad tracks at an entrance to the downtown. The use description indicates the outbuilding, labelled "to be repurposed", is proposed as a future youth center, anticipated in about 2 years.

2. Will be designed, constructed, operated, maintained and managed so as to be harmonious and appropriate in appearance with the existing or intended character of the general vicinity. The existing building is attractive and will not detract from the intended character of the general area. Photos of all 4 building elevations and the elevation plans for the vestibule must be provided and will be reviewed to be sure they are appropriate in appearance during site plan review.

The Zoning Ordinance requires paved parking in all districts except, under specific circumstances, in the AR, Agricultural District. The existing lot and drives are paved but additional parking spaces are required for the church use. Although the plan proposes using a "green" material to reinforce the existing lawn for unpaved vehicle parking in the rear of the parcel and allow stormwater infiltration, the functioning of such material is dependent upon soils and construction techniques and the Zoning Ordinance does not permit commercial lots to be unpaved. The plan will have to be revised prior to site plan approval to add sufficient paved parking.

- 3. Will be compatible with the natural environment and existing and future uses in the vicinity. The site is bordered by railroad tracks to the east, and US-23 to the northwest. To the south and west are commercial uses with some residential interspersed. Reuse of the existing building is compatible with the natural environment, and as proposed will have no greater impacts of the existing and future uses than are present currently. Churches are traditionally found in many different zoning districts, including residential and commercial. The proposed church will be compatible with the uses in the vicinity.
- **4.** Will be compatible with the Township land use development plan. The site and vicinity are master planned VC, Village Center, a district that promotes mixed uses with a village scale and character. Community support facilities, such as churches, are a compatible use in and area planned for Village Center. Although the site is zoned GC, General Commercial (not a Village Center district), the proposed use is compatible with the Township's land use development plan.
- 5. Will be or can be served adequately by essential public facilities and services. Access is to Barker Road, a paved rural major collector road. Collector roads are intended to funnel traffic to arterial roads, like US-23. Access to southbound US-23 is available just west of the site; northbound US-23 traffic can exit at Barker Road and access the site from the freeway. The site is served by public facilities and has access to emergency services. Details of utility access will be addressed by the Township engineer during site plan review.
- 6. Will not be hazardous or disturbing to existing or future neighboring uses. As noted above, the proposed church is in a commercial zoning district and separated from concentrations of residential use by the railroad, freeway and distance. It is adjacent to commercial uses. Although the church use will increase weekend traffic to the site, the road infrastructure should be adequate to handle the traffic peaks with little disturbance to the area.

Northfield Township Planning Commission Living Water Church, 200 Barker Road CU Review #1 June 8, 2016 ~ Page 3

7. Will not create excessive additional requirements at public cost for public facilities and services.

The proposed use should not create excessive additional requirements at public cost for public facilities and services. The building will be renovated and will have to meet all building codes for the assembly use.

## RECOMMENDATION

We recommend that the Planning Commission recommend that the Township Board grant approval of the conditional use application from Living Water Church for the proposed church at 200 Barker Road, subject to site plan approval.

Respectfully submitted,

**McKENNA ASSOCIATES** 

Sara J. Hodges, AICP Senior Vice President Michael Deem Senior Planner

cc: Howard Fink, Northfield Township Manager, 8350 Main St., Whitmore Lake, MI 48189 Jacob Rushlow, OHM Advisors, 34000 Plymouth Road, Livonia, MI 48150 Frank Murdock, President, Living Water Church, 9876 Main St., Whitmore Lake, MI 48189 June 8, 2016

Planning Commission Northfield Township 8350 Main Street Whitmore Lake, MI 48189-0576

Subject: Site Plan Review #1; Living Water Church /200 Barker Road; Application received by Township on 5/13/2016.

Dear Commissioners:

We have reviewed the above referenced application for site plan approval submitted by Living Water Church, to modify an existing 6,160 sq. ft. commercial building as a new church. The site at 200 Barker Road, is 2.2 acres in area and is zoned GC (General Commercial) District. The plan proposes to add a small 6'x10' vestibule at the west side entrance to the building. Our review of the conditional use application is under separate cover.

## **COMMENTS**

Our comments that follow are based upon the requirements of the Northfield Township Zoning Ordinance, observation of the site and principles of good planning.



- 1. Use. The GC, General Commercial District is intended for general retail, service, and repair business activities. A church may be allowed in the GC district as a conditional use. The church's use description includes a children's nursery and youth ministry spaces. These uses are customarily accessory to a church use; in the case of the nursery, these would be children of families attending worship services, and in the case of the youth ministry, the activities would not overlap with times of worship. Our review of the associated conditional use application is under separate cover.
- 2. Dimensional Requirements. The minimum lot area in the GC district is one acre, and the site is 2.2 acres. The existing building meets or exceeds the minimum required setbacks and is less than the maximum permitted height. The north arrow on the plans must be corrected to point north.
- **3.** Access and Circulation. The site's driveway is on Barker Road. The proposed site circulation is one way around the building, the same as it is now on the site, with ingress along the east side of the building and egress from the west side.

#### 4. Parking.

a. As described above, we believe the nursery and youth ministry will not generate more cars than will be present during maximum capacity of the worship center. Thus, for purposes of calculating parking requirements, it is reasonable to use the maximum seating of the worship center as the cap, plus one space for each nursery employee. The <u>parking calculations on Sheet SP should be</u> corrected to match the following:

USE	ORDINANCE STANDARD	# PARKING SPACES REQUIRED	# PARKING SPACES PROVIDED
Churches, auditoriums, stadiums, sports	One space for each four seats	151 seats/4 = 38 spaces	
arenas, theaters, dancehalls other than schools	One space for each employee (nursery, youth ministry)	3 employees x 1 = 3 spaces	
	Total	41 spaces	48 spaces

- b. The site plan proposes 7 spaces more than the minimum required. 23 of the parking spaces are located on paved asphalt or concrete surface, as required by Section 36-762(b)(3). In lieu of paving any additional parking lot, the plan proposes a green, pervious turf material surface for the remaining 25 spaces. According to the specifications submitted, that material allows rainwater to naturally penetrate the ground and reduce the need for storm water detention. However, the Zoning Ordinance does not permit this type of material as a parking lot surface. The plan should be revised so that the required parking is all paved. Also, if paving were provided, the parking lot could be laid out more efficiently, so the amount of pavement required would not need to be as large as the turf area shown.
- c. The Ordinance does provide that off-street parking spaces required for churches may be reduced by 50% where churches are located in nonresidential districts and within 300 feet of existing usable public or private off-street spaces where permission is granted. In this case, although the site is located in a nonresidential district, access to additional parking is very limited and likely not a practical solution.
- d. Under Section 36-762(b)(1), off-street parking spaces and all driveways must be setback a minimum of ten feet to any lot line, unless a wall, screen, or compact planting strip is provided as a parking barrier along that lot line. The seven new parking spaces along the east lot line are setback approximately eight feet, thus the <u>parking layout should be revised to either meet the required tenfoot setback, or provide a hedge or other screening.</u>
- e. The depth of the angle parking spaces must be dimensioned on the site plan to confirm that they are large enough; the aisle in this location may be reduced to 18 feet wide.
- **5. Outdoor Equipment and Screening.** The existing mechanical equipment is located behind the main building and is not visible from the road. The dumpster must be screened in an enclosure that

Northfield Township Planning Commission Living Water Church, 200 Barker Road SPR Review #1 June 8, 2016 ~ Page 3

conforms to [Section 36-701(3)], and details of that enclosure (color, height, materials) must be included on the plan.

- **6. Stormwater Management.** The site's existing detention area is at the rear of the parcel. Paving the parking lot as discussed above, will likely require changes to the stormwater facilities. <u>This aspect is subject to the review of the Township engineer.</u>
- 7. Landscaping. The Zoning Ordinance requires 1 canopy tree per 8 parking spaces. There are 48 proposed parking spaces, requiring 6 canopy trees. The existing site has 7 trees, mostly evergreen at the Barker Road entrance. and there are several mature trees along the County drain that parallels the west side of the parking lot that provide greenery and shade for the paved area. We recommend that the applicant create a new landscape island in the triangle where the angle parking transitions to 90-degree parking and plant a canopy tree there, and incorporate several new canopy trees into the new part of the parking lot. A plant list with number, variety and size of trees and shrubs at planting must be added, along with a maintenance plan specifying that dead or diseased trees will be replaced within 6 months or the next appropriate growing season, whichever comes first.
- **8. Lighting.** The plan does not show any new lighting. The locations, type, height of mounting and cut sheets of any new lights must be submitted with the plan.
- 9. Building Facades/Floor Plans. Few changes are proposed to the exterior of the building. Photos of all four building elevations and the elevation plans for the vestibule (identifying the dimensions, façade materials and colors) must be submitted for review. The application narrative states that the outbuilding will be converted into a youth center in a second phase within the next two years. In order to be approved now, a floor plan and elevations of that structure must be submitted, along with all required engineering information. If the plan labels it as a future phase, the details could be approved administratively in the future; in that case, the outbuilding's intended immediate use should be identified on the plan, the future phase described, and the holding tank removed from the site plan.
- **10. Signs.** No new signs are proposed on the plan. There is an existing wall sign on the front of the building and a small freestanding sign in the Barker Road right-of-way.

## **RECOMMENDATION**

AS discussed above, there are several items of information and changes that need to be made to the site plan in order to comply with the Zoning Ordinance and considerations for conditional use approval. Therefore, we recommend that, prior to granting site plan approval, the Planning Commission direct the applicant to revise and resubmit the site plan to address the following:

- 1. Correct the north arrow on all plan sheets;
- 2. Correct the parking calculations on sheet SP consistent with Comment 4.a. above;
- 3. Provide pavement for all parking, consistent with Comment 4.b. above;
- 4. Setback all new parking spaces at least 10 feet from the lot lines, or provide a hedge or other screening;
- 5. Dimension the depth of the angle parking spaces on the plan;
- 6. Enclose the dumpster and provide enclosure details consistent with Comment 5. above;

Northfield Township Planning Commission Living Water Church, 200 Barker Road SPR Review #1 June 8, 2016 ~ Page 4

- 7. Provide the parking lot canopy trees as described in Comment 7. on the parking lot landscape plan, and add a plant list with number, variety and size of trees and shrubs at planting, along with a maintenance plan specifying that dead or diseased trees will be replaced within 6 months or the next appropriate growing season, whichever comes first;
- 8. The location, type, height of mounting and cut sheets of any new lights must be submitted and be concealed source, downward focused fixtures;
- 9. Photos of all four building elevations and the elevation plans for the vestibule (identifying the dimensions, façade materials and colors) must be submitted;
- 10. Provide information and address the future conversion of the outbuilding as described in Comment 9. above:
- 11. Approval of the Township engineer and approval of all agencies with jurisdiction; and
- 12. Subject to conditional use approval.

Respectfully submitted,

**McKENNA ASSOCIATES** 

Sara J. Hodges, AICP Senior Vice President Michael Deem Senior Planner

cc: Howard Fink, Northfield Township Manager, 8350 Main St., Whitmore Lake, MI 48189 Jacob Rushlow, OHM Advisors, 34000 Plymouth Road, Livonia, MI 48150 Frank Murdock, President, Living Water Church, 9876 Main St., Whitmore Lake, MI 48189

## NORTHFIELD TOWNSHIP PLANNING COMMISSION

## Minutes of Regular Meeting May 18, 2016

#### 1. CALL TO ORDER

The meeting was called to order by Vice-Chair Janet Chick at 7:00 P.M. at 8350 Main Street.

## 2. PLEDGE OF ALLEGIANCE

## 3. ROLL CALL AND DETERMINATION OF QUORUM

Roll call:

Janet Chick

Present Present

Marlene Chockley Brad Cousino

Present (arrived 7:10 P.M.)

Kenneth Dignan

Absent with notice

Sam Iaquinto Larry Roman

Present Present

Larry Roman Present Mark Stanalajczo Present

#### Also present:

Township Manager Howard Fink Assessing & Building Assistant Mary Bird Planning Consultant Sally Hodges, McKenna Associates Recording Secretary Lisa Lemble Members of the Community

## 4. APPROVAL OF AGENDA

► Motion: Iaquinto moved, Roman supported, that the agenda be adopted as presented.

Motion carried 5—0 on a voice vote.

## 5. FIRST CALL TO THE PUBLIC

David Gordon, 5558 Hellner Road, urged preservation of open space and farmland.

## 6. CLARIFICATIONS FROM COMMISSION

None.

7. CORRESPONDENCE

None.

8. PUBLIC HEARINGS

None.

## 9. REPORTS

## 7A. Board of Trustees

Chick reported on the Board's May 10<sup>th</sup> meeting, including approval of soils testing for a possible sewage equalization basin.

#### 7B. ZBA

Chockley reported a front yard setback variance was granted at the May 16<sup>th</sup> meeting to allow the addition of a garage to an existing home.

## 7C. Staff Report

Fink reported the Township has signed a purchase agreement for the Van Curler property.

Stanalajczo referred to the AT&T cellular tower proposal presented at the last meeting and suggested that proposals not be placed on an agenda unless they are ready for consideration.

## 7D. Planning Consultant

Nothing to report.

[Cousino arrived].

## 10. UNFINISHED BUSINESS

## 10A. Proposed Lake Overlay District Zoning Ordinance Amendments.

Hodges reviewed the proposed ordinance amendment and map which she had prepared at the direction of the Commission based on previous discussions regarding changing setbacks in some lake districts. She answered questions about the proposed zero setback on the street side of Horseshoe Lake lots and requirements for setbacks from private roads. The Commission discussed possibly increasing the lakeside building setback requirement from the existing 20 feet to 25 to match the wetlands setback required elsewhere in the ordinance.

► Motion: Stanalajczo moved, Chick supported, to set the public hearing for the Whitmore Lake and Horseshoe Lake overlay amendments.

Motion carried 6—0 on a roll call vote.

## 10B. Discussion of 2016 Goals & Objectives

The Commission discussed the list of goals and objectives prepared by Chair Dignan based on feedback from Commissioners.

Motion: Iaquinto moved, Stanalajczo supported, to adopt as the goals and objectives for the Planning Commission to address in 2016 the list as reviewed which starts with "Discussion of Business Oriented Zonings" and ends with "Scenic Vistas Inventory/Identification."
Motion carried 6—0 on a roll call vote.

Northfield Township Planning Commission Minutes of Regular Meeting Public Safety Building; 8350 Main Street May 18, 2016

#### 11. NEW BUSINESS

#### 11A. Review Zoning Board of Appeals Standards for Determination for Variances.

Hodges reviewed her May  $11^{\rm th}$  memo and recommended changes to Section 36-943, *Variances*, of the Township's zoning ordinance to clarify the authority of the ZBA and to bring the language into compliance with State law. Commissioners recommended minor changes.

▶ Motion: Iaquinto moved, Stanalajczo supported, to set the public hearing for the next available time for the changes to the Variances section of the Northfield Township zoning ordinance.

Motion carried 6—0 on a roll call vote.

## 12. MINUTES

## May 4, 2016, Regular Meeting Chockley made three corrections.

▶ Motion: Chockley moved, Stanalajczo supported, that the minutes of the May 4, 2016, regular meeting be approved as corrected, and to dispense with the reading. Motion carried 6—0 on a voice vote.

#### 13. SECOND CALL TO THE PUBLIC

David Gordon said the Commission's goals and objectives should concentrate on preservation of open space rather than business and downtown development.

#### 14. COMMENTS FROM THE COMMISSIONERS

Chockley proposed considering a ban on coal-tar based asphalt seal-coating. The Commission made brief comments in response to David Gordon's comments about goals and objectives.

Roman suggested that reports on topics before the Commission be fully presented before Commissioners make comments and ask questions.

## 15. ANNOUNCEMENT OF NEXT MEETING

June 1, 2016, at 7:00 P.M. at the Public Safety Building was announced as the next regular Commission meeting time and location.

## 16. ADJOURNMENT

▶ Motion: Roman moved, Cousino supported, that the meeting be adjourned.
Motion carried 6—0 on a voice vote.

The meeting was adjourned at 7:55 P.M.

Word	sa Lemble. the originally issue ing removed is <del>stric</del> ing added is <u>underl</u>		ed as follows:	
Adopted on		, 2016.		
Kenneth Digr	an, Chair		Mark Stanalajczo, Secretary	

Official minutes of all meetings are available on the Township's website at <a href="http://www.twp-northfield.org/government/">http://www.twp-northfield.org/government/</a>

To: Northfield Township Board

From: Howard Fink

**Date:** 6/23/2016

Re: Inspectors Contract

Dear Township Board,

Currently our outside contract inspectors (mechanical / plumbing) are billed through Pittsfield Township. Both communities agree that these inspectors should be directly contracted through Northfield Township. Attached is the contract, developed by me and reviewed by legal council to use for these purposes. I recommend a motion by the Board to authorize me to enter into contracts with our inspectors using the attached document.

Respectfully Submitted,

Howard Fink, Township Manager

8350 Main St., Whitmore Lake, MI 48189 • P: 734-449-5000 • F: 734-449-0123

## **Inspector Contract**

Whereas, the Township of Northfield (the "Township") has the need for state-authorized inspectors to perform regular inspections and plan reviews to determine compliance with the Michigan Electrical Code, Michigan Plumbing Code, or Michigan Mechanical Code for work performed in Northfield Township; and

Whereas, the undersigned ("Inspector") has complied with any and all local, state or federal requirements to be qualified to perform code inspections and/or plan reviews regarding electrical, plumbing or mechanical systems in the State of Michigan;

The Parties hereby agree to the following terms and conditions for Inspector's performance of inspections and reviews as an independent contractor regarding the Michigan Electrical Code, Michigan Plumbing Code, or Michigan Mechanical Code:

- 1. The term of this Agreement shall be for one year from the date of execution, with one year extensions as agreed to, in writing, by the Township and Inspector (the "Parties").
- 2. The Inspector agrees to perform all inspections as may be reasonably requested by the Township, Monday through Friday, between the hours of 8:00 a.m. and 4:30 p.m. The Township will identify, in writing, all inspections to be performed by the Inspector on each day. The Inspector shall conduct only the inspections identified in writing, or such other inspections as the parties mutually agree shall be conducted on any given day.
- 3. The Inspector agrees to provide one weeks' notice for any and all requested time off greater than three days.
- 4. The Township agrees to reimburse the Inspector for inspections performed at the rate of \$40.00 for each inspection performed, and for which the Inspector has submitted a monthly, itemized, written bill as an independent contractor. The Township shall pay the Inspector for each such bill during the first cycle for payables subsequent to board approval.
- 5. The Inspector shall, by the end of the business day, provide the Township with copies of the inspection paperwork indicating the disposition of each inspection performed that day by:
  - 1) Providing the original signed inspection sheets, or
  - 2) Sending facsimile or email copies
- 6. A notice of the results of each inspection shall be left on the job site, by the Inspector, at the time of the inspection.
- 7. The Inspector shall provide, at his or her expense, a means of communication while in the field.

- 8. The Inspector shall make himself or herself available during the hours set forth in paragraph 2, above, to answer code interpretation questions related to the Michigan Electrical Code, Michigan Plumbing Code or the Michigan Mechanical Code, as needed.
- 9. The Inspector shall meet and continue to maintain compliance with any and all registration, certification, and licensing requirements any and all local, state or federal entity needed for inspector to be authorized to perform inspections under this Agreement, at all times while working under this Agreement. Any and all costs of complying with this section shall be the sole responsibility of the Inspector.
- 10. Inspector shall maintain liability and workers compensation insurance at all times, in an amount and form acceptable to the Township's insurance carrier.
- 11. This Agreement may be terminated upon 30 days written notice by either of the parties and shall terminate on one year from inception unless otherwise previously terminated pursuant to this Agreement.

Inspector	Date	
License Registration Number	Expiration Date	
Township Manager	Date	

## MEMO

To:

Northfield Township Board

From:

Howard Fink

Date:

6/23/2016

Re:

Arvin Sango IFT

Dear Township Board,

Attached please find the Resolution Calling Public Hearing on an Application for an Industrial Facilities Tax Exemption Certificate which we have prepared for consideration by the Township Board at its meeting on June 28th. The resolution sets July 12th at 7:00 pm as the date for a public hearing to consider the application.

Exhibit A contains the form of notice for the public hearing. The notice needs to be mailed by certified mail, no less than 10 days prior to the hearing, to Arvin Sango and to the legislative body of each taxing unit that levies ad valorem property taxes in the Township. A copy of the notice must also be provided to the Township Assessor. There is no publication requirement for the notice.

Respectfully Submitted,

Howard Fink, Township Manager

## RESOLUTION CALLING A PUBLIC HEARING ON AN APPLICATION FOR AN INDUSTRIAL FACILITIES TAX EXEMPTION CERTIFICATE

## TOWNSHIP OF NORTHFIELD COUNTY OF WASHTENAW, STATE OF MICHIGAN

Minutes of a regular meeting of the Township Board of the Township of Northfield, County of Washtenaw, State of Michigan, held in the Township on the 28<sup>th</sup> day of June, 2016, at 7:00 p.m., Eastern Daylight Time.

PRESENT:	Members
ABSENT:	Members
	The following preamble and resolution were offered by Member:
Road Industr	REAS, by resolution, Township Board established the 955 E. North Territorial ial Development District (the "District") pursuant to Act 198, Public Acts of 74, as amended ("Act 198"); and
Industrial Fac	REAS, the Township has received an application from Arvin Sango, Inc. for an cilities Exemption Certificate for a new facility at 955 E. North Territorial Road, a the District; and
used for facil completed by	REAS, Arvin Sango, Inc. has indicated in its application that the facility will be ities and test equipment to develop and test exhaust systems, the facility will be May 25, 2017, and the company expects to create eleven (11) new jobs within two ampletion; and
	REAS, Act 198 requires the Township Board to afford the applicant, the assessor, taxing units an opportunity for a hearing before acting on the application of Arvin

## NOW, THEREFORE, BE IT RESOLVED THAT:

- 1. A public hearing shall be held on July 12, 2016, at 7:00 p.m. at the Public Safety Building to afford the applicant, the assessor and the affected taxing units an opportunity to comment on the application of Arvin Sango, Inc. for an industrial facilities exemption certificate.
- 2. The Township Clerk shall notify in writing the Township assessor, the applicant, and the legislative body of each taxing unit that levies ad valorem property taxes in the Township of the hearing. The notice shall be substantially in the form appearing as Exhibit A. The

Township C 198.	lerk is further directed to mail and publish any other such notices required by Act
3. of this resolu	All resolutions and parts of resolutions insofar as they conflict with the provisions ation be and the same hereby are rescinded.
AYES:	Members:
NAYS:	Members:
RESOLUTIO	ON DECLARED ADOPTED.
	Angela Westover
	Township Clerk
the Township a regular med of said meeti Act 267, Pub	by certify that the foregoing is a true and complete copy of a resolution adopted by Board of the Township of Northfield, County of Washtenaw, State of Michigan, at eting held on June 28, 2016, and that said meeting was conducted and public notice ng was given pursuant to and in full compliance with the Open Meetings Act, being blic Acts of Michigan, 1976, and that the minutes of said meeting were kept and will been made available as required by said Act.
	Angela Westover

Township Clerk

## EXHIBIT A

## FORM OF NOTICE

## NOTICE OF PUBLIC HEARING TOWNSHIP OF NORTHFIELD COUNTY OF WASHTENAW STATE OF MICHIGAN

## REQUEST FOR INDUSTRIAL FACILITIES EXEMPTION CERTIFICATE

Pursuant to Public Act 198 of 1974, a Public Hearing will be held by the Township of Northfield, County of Washtenaw, State of Michigan, at 7:00 p.m., Tuesday, July 12, 2016, in the Northfield Township Public Safety Building, located at 8350 Main Street, Whitmore Lake, Michigan 48189.

## PURPOSE OF PUBLIC HEARING

To hear and consider an application submitted by Arvin Sango, Inc. for an Industrial Facilities Exemption Certificate ("tax abatement") for the operation of a facility, equipment and related improvements at 955 E. North Territorial Road, Northfield Township, Michigan, 48189. The application is available upon request for review from the Clerk of the Township.

As you may be aware, the Township Board passed a resolution on June 14, 2016 establishing the 955 E. North Territorial Road Industrial Development District. The Arvin Sango property is included in the 955 E. North Territorial Road Industrial Development District.

All interested parties are encouraged to attend this Public Hearing or submit written comments to the Township Board at the aforementioned address. In order to be considered, all written comments must be received by the time set for public hearing.

	Angela Westover, Township Clerk
Dated: June, 2016	

26794988.2\065459-00015

#### RESOLUTION NO. 16-545

A RESOLUTION OF NORTHFIELD TOWNSHIP, MICHIGAN CHANGING THE POLLING PLACE LOCATION FOR BOTH THE 2016 PRIMARY AND GENERAL ELECTIONS FOR PRECINCTS 1 & 3 DUE TO THE INACCESSIBILITY OF THE NORTHFIELD TOWNSHIP PUBLIC SAFETY BUILDING

WHEREAS, Michigan Election Law Act 116 of 1954, section 168.662(4) allows for The Legislative Body of the Township to change the polling location fewer than 60 days before said election if the location has been damaged, destroyed, or rendered inaccessible or unusable as a polling place; and

WHEREAS, The Northfield Township Board of Trustees is greatly concerned with the access to parking and general building accessibility for the elections.

NOW, THEREFORE, BE IT RESOLVED BY THE NORTHFIELD TOWNSHIP BOARD OF TRUSTEES that:

- 1. The inaccessibility of the Township Public Safety Building, due to lack of sufficient parking and space for overflow lines, is deemed to be an emergency.
- 2. The Township will be holding the August 2016 Primary and November 2016 General Election for Precincts 1 & 3 at the Whitmore Lake Middle School located at 8877 Main St., Whitmore Lake, MI 48189
- 3. The Township will provide signage, and persistent notice informing residents of the Polling Locations.

ROLL CALL VOTE:	
AYE:	
NAY:	
ABSENT:	
PASSED AND RESOLVED by the Northfi 28th day of June, 2016.	eld Township Board of Trustees, Northfield Township, Michigan, on thi
	Marilyn Engstrom, Supervisor
ATTEST:	
Angela Westover, Clerk	

## Memo

To: Northfield Township Board

From: Howard Fink

Date: 6/23/2016

Re: Budget Amendment

Dear Township Board,

Attached is a budget amendment for both my raise and an increase that Kathy Braun intended to give Pam, but slipped through. She is requesting to take Pam to \$22.00 per hour. Regarding my raise, there are various line items affected, which are reflected in the budget amendment. While the budget is now negative, I am not concerned, as there is always room with unspent appropriations. As a reminder, we are expecting to be in the black for the 2016 fiscal year. This will now be 4 years running that we have not dipped into fund balance.

Respectfully Submitted,

Howard Fink, Township Manager

## RESOLUTION 16-

# TOWNSHIP OF NORTHFIELD, MICHIGAN A RESOLUTION OF THE TOWNSHIP OF NORTHFIELD, WASHTENAW COUNTY, MICHIGAN, TRANSFERRING MONIES AND AMENDING THE 2016 BUDGET WITHIN THE GENERAL, POLICE, DONATION, STATE NARC, FEDERAL NARC AND BUILDING DEPARTMENT BUDGETS

**WHEREAS**, in the appropriation of funds for the year 2016 there is a need to transfer certain monies from the General Fund,

**WHEREAS**, in the appropriation of funds for the year 2016 there is a need to amend the General, Police, Donation, State NARC, Federal NARC and Building Department.

BE IT RESOLVED BY THE TOWNSHIP BOARD OF THE TOWNSHIP OF NORTHFIELD, WASHTENAW COUNTY, MICHIGAN, that the following transfers and amendments be approved:

See Attached Transfer and Amendment Schedule

DULY RESOLVED BY THE TOWNSHIP BOARD OF THE TOWNSHIP OF NORTHFIELD, WASHTENAW COUNTY, MICHIGAN, THIS 28th DAY OF JUNE, 2016.

Marilyn	Engstrom,	Supervisor	•

# 8350 Main St. 734-449-2880

To: Township Board Date: June 28, 2016

From: Rick Yaeger

RE: Amendment #1 and Budgeted Transfers/Contributions

Attached you will find a schedule showing final amendments for the Fiscal 2016 year. The amendments have brief explanations as to why they are being done and they impact the General, Police, Donation, State NARC, Federal NARC and Building Department.

In addition, there are three Transfers/Contributions that were budgeted that I am seeking approval to make. They are listed on the last page of the amendment schedule.

Thank You,

Rick Yaeger Controller – Northfield Township

GENERAL FUND - #101 TRANSFER AMENDMENT - None	ses
TRANSFER AMENDMENT	
TRANSFER AMENDMENT	
- NOTIC	
Total Transfer Increases/Decreases	0
REGULAR AMENDMENT	
REVENUE REVENUE	
- Increase Cablevision Franchise Fees for higher than anticipated activity 7,000	
- Decrease Grant Income that will not be received this budget year 250,	.000
- Increase Reimbursement/Other Income for Elections for Monies Received 5,745	,
- Increase Penalty & Interest on Taxes to level we actually received 3,050	
- Increase Zoning Compliance Permits to recognize the additional activity 4,100	
- Increase Site Plan Review to recognize activity never budgeted 5,000	
- Increase Tax Abatement Fees for activity never budgdted 1,000	
- Increase Split Applications to recognize the additional activity 1,550	
- Increase Reimbursement/Other Income for CC Monies received for Meals on Wheels 5,500	
Total Revenue Amendments 32,945 250,	,000
EXPENDITURES	
Hall and Grounds	
- Increase R & M for Asbestos Removal at 9129 Main Charged to Contingency	
<u>Planning/Zoning</u>	
- Increase Planner Fees for greater activity than anticipated 15,000	
- Additional for Zoning Administrator 2,500	
<u>Streetlights</u>	
- Increase Utilities to cover a potential overage 1,500	
Roadwork	
- Increase Road Improvements to cover Path Expenditures 250	
- Decrease Grant Expense that won't be recognized this fiscal year 250,	000
Solid Waste Management	
- Increase May/Oct Clean-up Program budgeted under Contingency 4,000	
Community Center  Ingrapa Salaria for Mode on Wheele Assistant	
- Increase Salaries for Meals on Wheels Assistant 5,000	
- Increase Janitorial Salaries due to change in Service 3,000	
<ul> <li>Increase Social Security for above wage additions</li> <li>Decrease Grounds/Cleaning/Janitorial for transfer to Janitorial Salaries</li> </ul>	000
- Increase Senior Nutrition for costs associated with Meals on Wheels  1,800	000
Township Contingency	
The state of the s	000
	800
	800
	900
Capital Outlay	
- Increase Computer for a Computer charged to Contingency 800	
- Increase Computer for a Video Conferencing Camera charged to Contingency 2,900	
Total Expenditure Amendments 38,165 261,8	500
50,100 201,0	
Total <b>Recommended</b> Amendments 6,280	
FYE 2016 Amended Contribution to Fund Balance (70,681)	

	AMENDMENT #1	
	Increases Decreases	;
FYE 2016 Ending Contribution to Fund Balance	(64,401)	
Beginning Fund Balance	1,550,163	
Ending Fund Balance	1,485,762	

	AMENDMENT #1	
	Increases	Decreases
POLICE FUND - #207 TRANSFER AMENDMENT		
- None  REGULAR AMENDMENT		
REVENUE		
- Increase Sale of Fixed Assets for sale of vehicle	13,000	
Total Revenue Amendments	13,000	0
EXPENDITURES Labor		
- Decrease Hospitalization and Transfer to Insurance & Bonds to cover overage Legal/Professional		11,000
- Increase Legal for a payment made to HCC Public Risk Claim related to a FOIA  Operating Costs	1,000	
- Increase Insurance & Bonds to cover overage (from Hospitalization)	11,000	
Total Expenditure Amendments	12,000	11,000
Total <b>Recommended</b> Amendments	12,000	
FYE 2016 Amended Contribution to Fund Balance	13	
FYE 2016 Ending Contribution to Fund Balance	12,013	
Beginning Fund Balance Ending Fund Balance	455,531 467,544	

	AMENDMENT #1	
	Increases	Decreases
DONATION FUND - #230		
- None		
REGULAR AMENDMENT		
REVENUE  - Decrease Donation - Fireworks for monies never collected  - Decrease Donation - Events/Community for monies never collected  Total Revenue Amendments		1,000 1,500
EXPENDITURES	0	2,500
Operating Costs - Increase Kiwanis for donation given to 4th of July committee - Increase Events/Community Projects for Temp. Loan to Community Garden - Increase Bark Park split out and shown separately	1,400 500 1,550	
Total Expenditure Amendments	3,450	0
Total Recommended Amendments	(5,950)	
FYE 2016 Amended Contribution to Fund Balance	1,000	
FYE 2016 Ending Contribution to Fund Balance	(4,950)	
Beginning Fund Balance Ending Fund Balance	5,163 213	

	AMENDMENT #1	
	Increases	Decreases
ST.NARC FUND - #265		
TRANSFER AMENDMENT		
- None		
REGULAR AMENDMENT		
REVENUE  - Increase Forfeitures to a level closer to what we will receive	57,000	
Total Revenue Amendments	57,000	0
EXPENDITURES Operation Costs		
Operating Costs - Increase Forfeiture Sharing for additional funds sent to other jurisdictions	37,000	
Total Expenditure Increases	37,000	0
Total <b>Recommended</b> Amendments	20,000	
FYE 2016 Amended Contribution to Fund Balance	6,000	
FYE 2016 Ending Contribution to Fund Balance	26,000	
Beginning Fund Balance	99,844	
Ending Fund Balance	125,844	
FED. NARC FUND - #266		
TRANSFER AMENDMENT		
- None		
REGULAR AMENDMENT		
REVENUE  - Increase Forfeitures to a level closer to what we will receive	5,000	
Total Revenue Amendments	5,000	0
EXPENDITURES		
Operating Costs - Increase Supplies for a slight overage	500	
- Increase Supplies for a slight overage  - Increase Miscellaneous for a slight overage	500	
Total Expenditure Increases	1,000	0
Total <b>Recommended</b> Amendments	4,000	
FYE 2016 Amended Contribution to Fund Balance	(182,000)	
FYE 2016 Ending Contribution to Fund Balance	(178,000)	
Beginning Fund Balance	359,912	
Ending Fund Balance	181,912	
	<del></del>	

Amendment #1 FYE 2016

**AMENDMENT #1** 

	AMENDMEN I # 1	
	Increases	Decreases
BUILDING DEPT. FUND - #287 TRANSFER AMENDMENT - None		
REGULAR AMENDMENT		
REVENUE  - Increase Building Plan Review Fees for additional activity during the year  - Increase Building Permit Fees for additional activity during the year  - Increase Contractor's Registration for additional activity during the year  - Increase Trade Permit Fees for additional activity during the year  Total Revenue Amendments	2,200 16,000 950 11,000 30,150	0
EXPENDITURES Government Shared Services - Increase Inspector Expenses due to higher than anticipated activity during the year Total Expenditure Increases	18,000 18,000	0
Total <b>Recommended</b> Amendments	12,150	
FYE 2016 Amended Contribution to Fund Balance	1,596	
FYE 2016 Ending Contribution to Fund Balance	13,746	
Beginning Fund Balance Ending Fund Balance	79,862 93,608	
TRANSFER/CONTRIBUTION APPROVAL		
1) Annual Contribution to Fire Fund from General Fund 2) Annual Contribution to Fire and Police for 4th of July 3) Annual Contribution to Police from FNARC	25,000 2,500 35,000	

## RESOLUTION 16-547

# TOWNSHIP OF NORTHFIELD, MICHIGAN A RESOLUTION OF THE TOWNSHIP OF NORTHFIELD, WASHTENAW COUNTY, MICHIGAN, TRANSFERRING MONIES AND AMENDING THE 2017 BUDGET WITHIN THE GENERAL AND BUILDING DEPARTMENT BUDGETS

**WHEREAS**, in the appropriation of funds for the year 2017 there is a need to transfer certain monies from the General Fund,

**WHEREAS**, in the appropriation of funds for the year 2017 there is a need to amend the General and Building Department.

BE IT RESOLVED BY THE TOWNSHIP BOARD OF THE TOWNSHIP OF NORTHFIELD, WASHTENAW COUNTY, MICHIGAN, that the following transfers and amendments be approved:

See Attached Transfer and Amendment Schedule

DULY RESOLVED BY THE TOWNSHIP BOARD OF THE TOWNSHIP OF NORTHFIELD, WASHTENAW COUNTY, MICHIGAN, THIS 28th DAY OF JUNE, 2016.

<i>A</i> arilyn	Engstrom, Superviso

# 8350 Main St. 734-449-2880

To: Township Board

Date: June 28, 2016

From: Rick Yaeger

RE: Amendment #1 and Budgeted Transfers/Contributions

Attached you will find a schedule showing amendments for the Fiscal 2017 year. The amendments have brief explanations as to why they are being done and they impact the General and Building Department.

In addition, there is one Transfers/Contributions that is budgeted that I am seeking approval to make. It is listed on the last page of the amendment schedule.

Thank You,

Rick Yaeger Controller – Northfield Township

	AMENDM	IENT #1
	Increases	Decreases
GENERAL FUND - #101		
TRANSFER AMENDMENT		
- None		
Total Transfer Increases/Decreases	0	0
REGULAR AMENDMENT		
REVENUE - NONE		
- NONE		
Total Revenue Amendments	0	0
EXPENDITURES		
Township Manager		
- Increase Salaries for Township Manager for approved Increase over budgeted amount	3,690	
- Increase Social Security for wage increase above	285	
- Increase Pension for additional wages mentioned above	369	
- Increase Allocate to Departments for additional amount allocated to the Building Dept.	(543)	
<u>Treasurer</u> - Increase Deputy Salaries for additional increase over budgeted amount	320	
- Increase Social Security for wage increase above	25	
- Increase Pension for wage increase mentioned above	32	
Total Expenditure Amendments	4,178	0
Total <b>Recommended</b> Amendments	(4,178)	
FYE 2017 Amended Contribution to Fund Balance	1,070	
FYE 2017 Ending Contribution to Fund Balance	(3,108)	
Beginning Fund Balance	1,485,762	
Ending Fund Balance	1,482,654	

	AMENDMENT #1	
	Increases	Decreases
BUILDING DEPT. FUND - #287 TRANSFER AMENDMENT - None		
REGULAR AMENDMENT		
REVENUE - None Total Revenue Amendments	0	0
EXPENDITURES  Personnel  - Increase Allocate to Departments for Twp. Mgr. Wage Increase  Total Expenditure Increases	543 543	
Total Recommended Amendments	(543)	
FYE 2016 Amended Contribution to Fund Balance	(33,019)	
FYE 2016 Ending Contribution to Fund Balance	(33,562)	
Beginning Fund Balance Ending Fund Balance	93,608	
TRANSFER/CONTRIBUTION APPROVAL		
1) Annual Contribution to Fire and Police for 4th of July	2,500	

## **MEMO**

To: Northfield Township Board

From: Howard Fink

Date: 6/23/2016

Re: Van Curler Financing

Dear Township Board,

Attached are the schedules that show financing of the Van Curler property at 100% and at 50%. The Board can choose whatever percentage they wish. My previous recommendation was to finance the property, and I recommend a decision be made at this meeting.

Respectfully Submitted,

/ Howard Fink, Township Manager



## \$330,000 TOWNSHIP OF NOTHFIELD COUNTY OF WASHTENAW, STATE OF MICHIGAN INSTALLMENT PURCHASE CONTRACT

## SCHEDULE OF DEBT SERVICE REQUIREMENTS

#### On a Calendar Year Basis

					Total
	Principal		Interest	Interest	Principal
	Due	Interest	Due	Due	& Interest
Year	April 1	Rate	April 1	October 1	Requirements
2017	33,202	3.250%	5,363 *	4,823	43,387
2018	28,919	3.250%	4,823	4,353	38,095
2019	29,859	3.250%	4,353	3,868	38,080
2020	30,829	3.250%	3,868	3,367	38,064
2021	31,831	3.250%	3,367	2,850	38,047
2022	32,865	3.250%	2,850	2,316	38,030
2023	33,933	3.250%	2,316	1,764	38,013
2024	35,036	3.250%	1,764	1,195	37,995
2025	36,175	3.250%	1,195	607	37,977
2026	37,351	3.250%	607	0	37,958
	\$330,000		\$30,504	\$25,142	\$385,646

## Assumptions:

Bonds Dated: 10/01/2016
First Interest Payment: 04/01/2017
Number of Days: 180 \*
Subsequent Interest Payment: 10/01/2017
Number of Days: 180
First Principal Payment: 04/01/2017
Projected Interest Rate 3.25%

## 615 Griswold Street, Suite 1225, Detroit, Michigan 48226-3997 PHONE: (313) 961-8222 FAX: (313) 961-8220



# \$330,000 TOWNSHIP OF NOTHFIELD COUNTY OF WASHTENAW, STATE OF MICHIGAN INSTALLMENT PURCHASE CONTRACT

## SCHEDULE OF DEBT SERVICE REQUIREMENTS

#### On a Calendar Year Basis

					Total
	Principal		Interest	Interest	Principal
	Due	Interest	Due	Due	& Interest
Year	April 1	Rate	April 1	October 1	Requirements
2017	22,510	4.000%	6,600 *	6,150	35,260
2018	16,810	4.000%	6,150	5,814	28,773
2019	17,483	4.000%	5,814	5,464	28,761
2020	18,182	4.000%	5,464	5,100	28,746
2021	18,909	4.000%	5,100	4,722	28,731
2022	19,666	4.000%	4,722	4,329	28,717
2023	20,452	4.000%	4,329	3,920	28,701
2024	21,270	4.000%	3,920	3,494	28,684
2025	22,121	4.000%	3,494	3,052	28,667
2026	23,006	4.000%	3,052	2,592	28,650
2027	23,926	4.000%	2,592	2,113	28,631
2028	24,883	4.000%	2,113	1,616	28,612
2029	25,878	4.000%	1,616	1,098	28,592
2030	26,914	4.000%	1,098	560	28,572
2031	27,990	4.000%	560	0	28,550
	\$330,000		\$56,623	\$50,023	\$436,647

## Assumptions:

Bonds Dated:	10/01/2016
First Interest Payment:	04/01/2017
Number of Days:	180 *
Subsequent Interest Payment:	10/01/2017
Number of Days:	180
First Principal Payment:	04/01/2017
Projected Interest Rate	4.00%

## 615 Griswold Street, Suite 1225, Detroit, Michigan 48226-3997 PHONE: (313) 961-8222 FAX: (313) 961-8220



## \$165,000 TOWNSHIP OF NOTHFIELD COUNTY OF WASHTENAW, STATE OF MICHIGAN INSTALLMENT PURCHASE CONTRACT

#### SCHEDULE OF DEBT SERVICE REQUIREMENTS

#### On a Calendar Year Basis

					Total
	Principal		Interest	Interest	Principal
	Due	Interest	Due	Due	& Interest
Year	April 1	Rate	April 1	October 1	Requirements
2017	16,601	3.250%	2,681 *	2,411	21,694
2018	14,459	3.250%	2,411	2,177	19,047
2019	14,929	3.250%	2,177	1,934	19,039
2020	15,415	3.250%	1,934	1,683	19,032
2021	15,915	3.250%	1,683	1,425	19,023
2022	16,433	3.250%	1,425	1,158	19,016
2023	16,967	3.250%	1,158	882	19,007
2024	17,518	3.250%	882	597	18,997
2025	18,088	3.250%	597	303	18,989
2026	18,675	3.250%	303	0	18,978
	\$165,000	_	\$15,252	\$12,571	\$192,823

#### Assumptions:

 Bonds Dated:
 10/01/2016

 First Interest Payment:
 04/01/2017

 Number of Days:
 180 \*

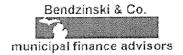
 Subsequent Interest Payment:
 10/01/2017

 Number of Days:
 180

 First Principal Payment:
 04/01/2017

 Projected Interest Rate
 3.25%

## 615 Griswold Street, Suite 1225, Detroit, Michigan 48226-3997 PHONE: (313) 961-8222 FAX: (313) 961-8220



#### \$165,000 TOWNSHIP OF NOTHFIELD COUNTY OF WASHTENAW, STATE OF MICHIGAN INSTALLMENT PURCHASE CONTRACT

## SCHEDULE OF DEBT SERVICE REQUIREMENTS

## On a Calendar Year Basis

					Total
	Principal		Interest	Interest	Principal
	Due	Interest	Due	Due	& Interest
Year	April 1	Rate	April 1	October 1	Requirements
2017	11,255	4.000%	3,300 *	3,075	17,630
2018	8,405	4.000%	3,075	2,907	14,387
2019	8,741	4.000%	2,907	2,732	14,380
2020	9,091	4.000%	2,732	2,550	14,373
2021	9,455	4.000%	2,550	2,361	14,366
2022	9,833	4.000%	2,361	2,164	14,358
2023	10,226	4.000%	2,164	1,960	14,350
2024	10,635	4.000%	1,960	1,747	14,342
2025	11,060	4.000%	1,747	1,526	14,333
2026	11,503	4.000%	1,526	1,296	14,325
2027	11,963	4.000%	1,296	1,057	14,316
2028	12,442	4.000%	1,057	808	14,306
2029	12,939	4.000%	808	549	14,296
2030	13,457	4.000%	549	280	14,286
2031	13,995	4.000%	280	0	14,275
	\$165,000		\$28,312	\$25,012	\$218,323

## Assumptions:

Bonds Dated:	10/01/2016
First Interest Payment:	04/01/2017
Number of Days:	180 *
Subsequent Interest Payment:	10/01/2017
Number of Days:	180
First Principal Payment:	04/01/2017
Projected Interest Rate	4.00%

## 615 Griswold Street, Suite 1225, Detroit, Michigan 48226-3997 PHONE: (313) 961-8222 FAX: (313) 961-8220

## Jennifer Carlisle

To: Howard Fink

Subject: RE: Van Curler Site Soil Analysis

----Original Message----

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]

Sent: Wednesday, June 22, 2016 2:35 PM

To: Howard Fink

Subject: Van Curler Site Soil Analysis

Howard,

I am providing a quick update on our progress with the geotechnical and environmental analyses at the VanCurler property. All field work, including 13 soil borings at the locations identified on the attached map and the Phase I ESA, has been completed. Additionally, all laboratory testing of those 13 soil samples has also been completed. At this time we are working to prepare the full report related to our findings. While the report is being finalized I would like to give you a short summary on some of the highlights.

From the environmental test results, there has been no evidence of any environmental concerns and all 4 environmental soil samples analyzed had no detection of volatile organics or semivolatile organics.

From the physical tests of the soil samples, most (11 of 13) indicate suitable native soils at or near the conventional bearing depth for building foundations. The soil profile in these 11 samples generally consists of stiff to very stiff silty clay, or loose to medium compact clayey sand. Groundwater was generally encountered within all 13 boring locations measured at depths ranging from 6 to 16 feet below the existing ground. Two of the boring locations (B-03 and B-04) contained organic peat and very soft to soft clayey silt ranging from 5.5 feet to 17 feet at its maximum thickness. The material at these two locations is not suitable for support of conventional shallow foundations. Any buildings proposed in this area would require removal of the unsuitable material and replacement with engineered fill to support the shallow foundation or alternatively, deep foundations extending down to suitable native material would be needed.

We anticipate having our full report completed by the end of next week. In the meantime, please feel free to contact me with any questions. Thank you.

JACOB A. Rushlow, PE PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711

F 734.522.6427

D 734.466.4517

C 734.812.7154

Advancing Communities(r)

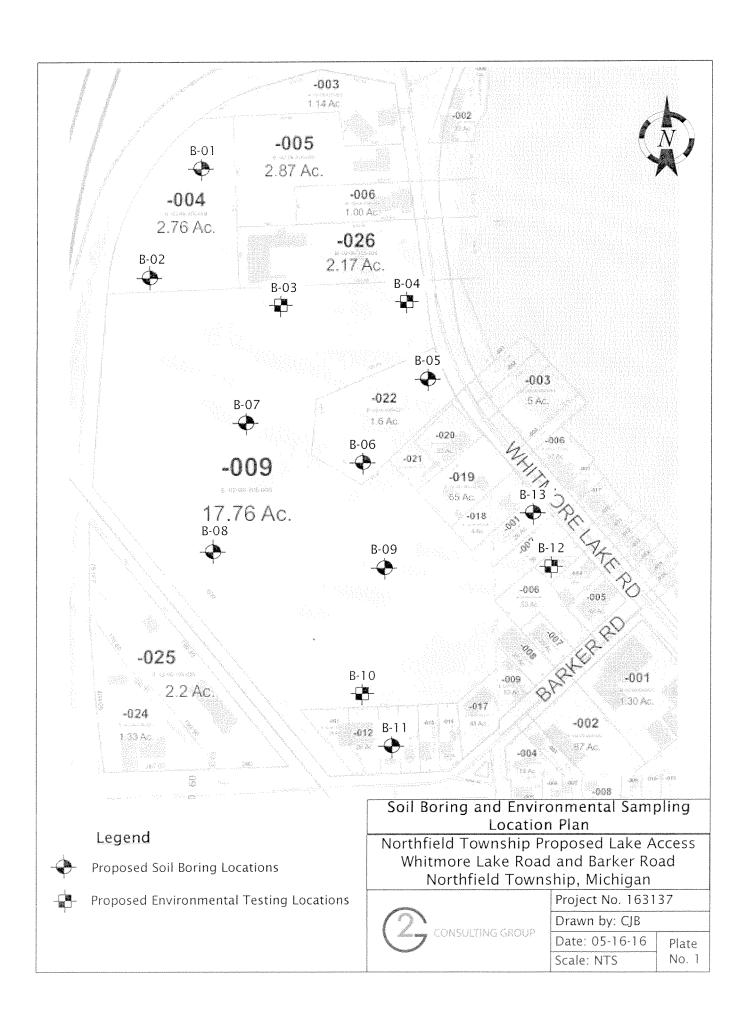
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Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

G2 Project No. 163137



# Soil Boring No. B-01 CONSULTING GROUP

		SUBSURFACE PROFILE				S	OIL SAMI	PLE DATA	Д	
ELEV. ( ft)	PRO- FILE	GROUND SURFACE ELEVATION: 907.0 ft	<u>+</u>	DEPTH ( ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD, PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF COMP, ST (PSF)
	31 31 31 31 31 31 31 31 31 31 31 31 31 3	Topsoil: Brown Silty Clay (12 inches)	1.0							
-		Stiff Brown Silty Clay with trace sand and gravel	2.3		S-01	2 3 2	5	18.7		40003
902.0		Loose Brown Clayey Sand with trace silt and gravel		5	S-02	3 4 6	10			
_			6,0		S-03	3 5	12	13.8		5000°
397.0		Very Stiff Brown Sandy Clay with trace silt and gravel		10	5:04	7 22 32	54	11.7		50003
392.0		Compact Gray Clayey Sand with trace silt and gravel, and occasional clay layers	123	15	S-05	9 15 17	32			
387.0			20.0	20	S-06	14 17 20	37			
		End of Boring @ 20 ft		-						
382.0				25			3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			

Total Depth:

20 ft

Drilling Date:

June 10, 2016

Inspector: Contractor:

Strata Drilling, Inc.

Driller:

PAVEMENT BORING 163137.GPJ

B. Sienkiewicz

Drilling Method:

2-1/4 inch inside diameter hollow-stem auger

Water Level Observation:

13-1/2 feet during and upon completion of drilling

operations

Notes:

Borehole offset 30 feet south

Borehole collapsed at 14 ft after auger removal

\* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:

Borehole backfilled with auger cuttings

Project Name: Pr

Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

G2 Project No. 163137

Latitude: N/A Longitude: N/A



### Soil Boring No. B-02

### CONSULTING GROUP

	ituae: N	SUBSURFACE PROFILE			S	OIL SAM	PLE DAT	A	
ELEV.	PRO- FILE	GROUND SURFACE ELEVATION: 906.0 ft ±	DEPTI ( ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
-		Brown Silty Clay with trace sand and	2.8		3 3 3				
901.0			5	S-01 S-02	2 4 7	11			
		Loose to Medium Compact Brown Clayey Sand with trace silt and gravel	-	S-03	4 6 7	13			
896.0			10	5:04	6 9 12	21			
891.0		Compact Brown Sand with little gravel and trace silt	15	S-05	13 19 23	42			
886.0		Compact Gray Clayey Sand with trace silt and gravel	7.0	S-06_	11 20 24	44			
		End of Boring @ 20 ft							
881.0	E. C. AND CO. C. AND C		25	-					TO THE PROPERTY OF THE PROPERT

Total Depth:

20 ft

Drilling Date: Inspector: June 10, 2016

une ro, zoro

Contractor: Driller:

Strata Drilling, Inc.

B. Sienkiewicz

Water Level Observation:

12-1/2 feet during and upon completion of drilling

Excavation Backfilling Procedure:

Borehole backfilled with auger cuttings

Drilling Method:

2-1/4 inch inside diameter hollow-stem auger

Project Name: Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

G2 Project No. 163137

Latitude: N/A Longitude: N/A



# Soil Boring No. B-03 CONSULTING GROUP

		SUBSURFACE PROFILE			S	OIL SAMI	PLE DAT	Α	
ELEV. ( ft)	PRO- FILE	GROUND SURFACE ELEVATION: 899.0 ft ±	DEPTH ( ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF COMP. ST (PSF)
	17.347.8	Topsoil: Brown Clayey Sand (12 inches)	-						
_		Fill: Medium Compact Brown Clayey		S-01	5 5 7	12			
894.0		Sand with little gravel and trace silt	 5	S-02	3 12 10	22			
		5.5			2 2				
-		Very Loose Dark Brown Fibrous Peat (Organic Matter Content = 83%)		S-03	2	4			
389.0	70 40 70 40 70 40	(Organie Marte) Con(Cont	10	5:04	2 2 2	4			
384.0		Very Soft Gray Clayey Silt with trace organics (Organic Matter Content = 1,4%)	15	S-05	WoH/18"		29.3		200**
379.0		17.0 Very Stiff Gray Silty Clay with trace sand and gravel 20.0	20	S-06	3 4 5	9	16.0		4220
1	7447	End of Boring @ 20 ft							To the state of th
374.0			25				THE PARTY OF THE P		And the second s

Total Depth:

20 ft

Drilling Date:

June 9, 2016

Inspector: Contractor:

Strata Drilling, Inc.

Driller:

D. Watkins

Notes:

Borehole offset 30 feet west and 100 feet south Borehole collapsed at 15 ft after auger removal

Dry during and upon completion of drilling

\* Calibrated Hand Penetrometer

\*\* Torvane

Water Level Observation:

Drilling Method:

2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure:
Borehole backfilled with auger cuttings

Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

G2 Project No.

163137

Latitude: N/A

Longitude: N/A



		SUBSURFACE PROFILE			5	OIL SAMI	PLE DAT	MOISTURE DRY UNCO COMP. (PS)			
ELEV. (ft)	PRO- FILE	GROUND SURFACE ELEVATION: 901.0 ft ±	DEPTH ( ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DENSITY	UNCONF COMP. STI (PSF)		
		Topsoil: Brown Sandy Clay (11 inches)	1.9								
		Fill: Brown Sandy Clay	.8		3						
		Buried Topsoil: Brown Silty Sand with	1.0	S-01	3 4	7					
896.0		Z Loose Gray Clayey Sand with trace silt and gravel	5	S-02	4 3 2	5					
-		Soft Gray Clayey Silt with little organics	0	S-03	4 3	8	18.7		1000*		
891.0			10	5-04	5 7 11	18	13.0		7000*		
886.0	<b>,</b>	Stiff to Very Stiff Gray Silty Clay with trace sand and gravel	15	- - S-05	5 6 7	13	14.2		4000*		
881.0		20	.0 20	S-06	3 5 6	11	15.3		3000*		
		End of Boring @ 20 ft									
- - 876.0			25								

Total Depth: Drilling Date:

20 ft

June 9, 2016

Inspector: Contractor:

Strata Drilling, Inc.

Driller:

B. Sienkiewicz

Drilling Method:

2-1/4 inch inside diameter hollow-stem auger

Water Level Observation:

4 feet during drilling operations; 13 feet upon

completion

Borehole collapsed at 15-1/2 ft after auger removal

\* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:

Borehole backfilled with auger cuttings

Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

G2 Project No.

163137

Latitude: N/A

Longitude: N/A



Lace	tude: N <sub>/</sub>	SUBSURFACE PROFILE				S	OIL SAM	PLE DAT	A	
ELEV. ( ft)	PRO- FILE	GROUND SURFACE ELEVATION: 902.0 ft	±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR (PSF)
_	1. 21. 3 1. 31. 3	Topsoil: Dark Brown Clayey Sand (14 inches)	1,2							
_		Loose Dark Brown Clayey Sand with trace silt and gravel	3.0		S-01	3 4 4	8			
897.0		Medium Brown and Gray Mottled Silty Clay with trace sand and gravel		5	S-02	3 3 5	8	21.9		1820
			7,0	-	S-03	7	31	11.2		9000*
892.0		Hard Brown and Gray Mottled Silty Clay with trace sand and gravel		10	\$404	13 17	30	11.2		9000*
887.0		Very Stiff Gray Silty Clay with trace	120	15	S-05	3 5 7	12	10.9		5000*
882.0		sand and gravel	20,0	20	S-06	6 9 11	20	8.0		7000*
1		End of Boring @ 20 ft								
877.0				25						
Total	Depth: g Date:	20 ft June 10, 2016				servatior nd upon (	ı: completion	of drilling	}	
Inspec Contr Driller	ctor: actor:	Strata Drilling, Inc. B. Sienkiewicz		Notes Bore	: ehole coll	lapsed at	14 ft after etrometer			
Drillin 2-1,	g Metho /4 inch i	od: inside diameter hollow-stem auger		Excav Bore	ation Bac ehole bac	kfilling Pr :kfilled wi	ocedure: th auger co	uttings		

Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

G2 Project No. 163137

Latitude: N/A

Longitude: N/A



	tude: N,					SOIL SAM	SOIL SAMPLE DATA					
ELEV. (ft)	PRO- FILE	GROUND SURFACE ELEVATION: 908.0 ft :	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR (PSF)			
	17 34 34 17 34 34	Topsoil: Brown Silty Clay (11 inches)	0.9									
-				S-01	2 3 3	6	20.1		5000*			
903.0			5	S-02	4 7 11	18	12.3		8000*			
		Very Stiff to Hard Brown Silty Clay with trace sand and gravel		S-03	5 8 13	21	13.7		9000*			
898.0			10	S+04	10	22	10.8		5000*			
		Very Stiff Gray Silty Clay with trace			3							
893.0	1	seams .		S-05	4 6	10	14.8		4000*			
-		Medium Compact <b>Gray Sand with</b> trace silt and gravel, and <b>occasional</b> gravel layers										
888.0		End of Boring @ 20 ft	0.0 20	S-06		18						
				-			3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3					
883.0			25									

Total Depth:

20 ft

Drilling Date:

June 10, 2016

Inspector:

Driller:

Contractor:

Strata Drilling, Inc.

B. Sienkiewicz

Water Level Observation:

14 feet during drilling operations; 14-1/2 feet upon

completion

Notes:

Borehole collapsed at 15-1/2 ft after auger removal

\* Calibrated Hand Penetrometer

Drilling Method:

2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure:

Borehole backfilled with auger cuttings

Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road Northfield Township, Michigan

G2 Project No. 163137

Latitude: N/A

Longitude: N/A



		SUBSURFACE PROFILE			S	OIL SAM			T :
ELEV. ( ft)	PRO- FILE	GROUND SURFACE ELEVATION: 907.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD, PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF COMP. ST (PSF)
	12.24	Topsoil: Brown Clayey Sand (9 inches)	0,8						
-				S-01	3 3 3	6			
902.0		Loose to Medium Compact Brown Clayey Sand with trace silt and gravel	5	S-02	4 4 5	9			
				S-Q3	4 9 13	22			
-	0 1 0	Brown Sand and Gravel	9.0		7				
397.0		Medium Compact Brown Sand with trace silt and gravel	10	S:04	9 16	25			
- 392.0			15	S-05	12 27 40	67			
-		Very Compact Gray Clayey Sand with Trace silt and gravel	3.0						Management of the Control of the Con
387.0		Hard Gray Silty Clay with trace sand and gravel, and occasional sand layers	0,0 20	S-06	11 24 18	42	10.7		9000
		End of Boring @ 20 ft							
					PRACTICAL PROPERTY OF THE PROP				
382.0			25						

SOIL / PAVEMENT BORING 163137.GPJ Drilling Date:

June 10, 2016

Inspector: Contractor:

Strata Drilling, Inc.

Driller:

B. Sienkiewicz

Notes:

completion

Borehole collapsed at 16 ft after auger removal

16 feet during drilling operations; 14 feet upon

\* Calibrated Hand Penetrometer

Drilling Method:

2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure: Borehole backfilled with auger cuttings

Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

163137 G2 Project No.



# Soil Boring No. B-08 **CONSULTING GROUP**

		SUBSURFACE PROFILE			S	OIL SAM	PLE DATA	Д	
ELEV. ( ft)	PRO- FILE	GROUND SURFACE ELEVATION: 907.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF COMP. ST (PSF)
		Topsoil: Brown Sandy Clay (10 inches) 0.8							
			- ~	S-01	3 3 3	6	15.0		7000
902.0		Very Stiff Brown Sandy Clay with trace silt and gravel	5	S-02	3 3 4	7	12.3		5000
-		6,0  Medium Compact Brown Clayey Sand with some gravel and trace silt 8,0	<u> </u>	S-03	7 7 9	16			
397.0	, O.,	Brown Sand and Gravel	1	5:04	7 15 19	34			
_		Compact Brown Sand with trace silt and gravel							
392.0		2	15	S-05	11 34 50	84			
		Very Compact Gray Clayey Sand with trace silt and gravel, and occasional gravel layers (Finer than No. 200 = 49%)							
387.0		20.0	20	S-06	16 20 31	51			
		End of Boring @ 20 ft	-						
382.0			25		Sharinth constants of				

Total Depth: Drilling Date:

20 ft

June 10, 2016

Inspector: Contractor:

Strata Drilling, Inc.

Driller:

SOIL / PAVEMENT BORING 163137.GPJ

B. Sienkiewicz

Water Level Observation:

16 feet during and upon completion of drilling

Borehole offset 15 feet east of tree line

\* Calibrated Hand Penetrometer

Drilling Method:

2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure: Borehole backfilled with auger cuttings

Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

G2 Project No. 163137

Latitude: N/A Longitude: N/A



Lati	tude: N	/A Longitude: N/A SUBSURFACE PROFILE			S	OIL SAM	PLE DAT	A	
ELEV.	PRO- FILE	GROUND SURFACE ELEVATION: 910.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR (PSF)
(10)	77 77	Topsoil: Brown Sandy Clay (8 inches)	7			(14)	(70)	(, c., /	
				S-01	3 2 3	5	13.7		5000*
905.0		Very Stiff Brown Sandy Clay with trace silt and gravel	5	S-02	3 4 6	10	13.3		4000*
-		<b>₹</b>	5	S-03	3 4 6	10			
900.0		Loose to Medium Compact Brown Silty Sand with trace gravel	10	5:04	4 6 7	13			
895.0		Compact Brown Silty Sand with trace gravel	15	S-05	9 20 23	43			
890.0		Gray Sandy Clay 18 Very Loose Gray Sand with trace silt and gravel	0	S-06	1 2 2	4			
-		End of Boring @ 20 ft	de la constanta de la constant						
885.0			25						
Drillir Inspe	Depth: ng Date ctor: ractor:		6-1	r Level Ol /2 feet d npletion	oservation uring dril	n: ling operat	ions; 7-1/	2 feet up	on
Drille	r:	B. Sienkiewicz	* C	ehole col alibrated	Hand Per	9 ft after a netrometer	auger rem	oval	
Drillir 2-1,	ng Meth /4 inch	nod: inside diameter hollow-stem auger	Excav Bor	ation Bac ehole bac	ckfilling P ckfilled w	rocedure: ith auger c	uttings	<b>r</b> :	uro No

Project Name: Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

163137 G2 Project No.

Latitude: N/A Longitude: N/A



Soil Boring No.	B-10
 CONSULTING GROUP	•

	tude: N	SUBSURFACE PROFILE			S	OIL SAMI	PLE DATA	A	
ELEV.	PRO- FILE	GROUND SURFACE ELEVATION: 910.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR (PSF)
-	15 15 15 15 15 15 15 15 15	Topsoil: Brown Sandy Clay (14 inches)	,						
-		Very Stiff Brown Sandy Clay with trace silt and gravel (Finer than No. 200 = 54%)		S-01	4 4 3	7	14.6		5000*
905.0		Loose Brown Clayey Sand with trace gravel and silt (Finer than No. 200 = 22%)	5	S-02	2 2 3	5			
-		6,1		S-03	3 3 3	6			
0.000		Stiff to Very Stiff Brown Sandy Clay with trace silt and gravel (No Recovery at 7-1/2 feet)	10	5-04	4 10 12	22	9.4		4000*
895.0		Compact Brown Silty Sand with trace gravel and clay	15	S-05	10 20 13	33			
890.0		Compact Brown Silty Sand		S-06	11 20 20	40			
		End of Boring @ 20 ft							
885.0			25						

20 ft

Total Depth: Drilling Date:

June 9, 2016

Inspector:

Contractor:

Strata Drilling, Inc.

Driller:

/ PAVEMENT BORING 163137.CPJ

D. Watkins

Water Level Observation:

12 feet during and upon completion of drilling

Borehole collapsed at 12 ft after auger removal \* Calibrated Hand Penetrometer

Drilling Method:

2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure: Borehole backfilled with auger cuttings

Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

163137 G2 Project No.

Latitude: N/A Longitude: N/A



## Soil Boring No. B-11 CONSULTING GROUP

	tude: N	/A Longitude: N/A SUBSURFACE PROFILE			S	OIL SAM	PLE DATA	A	
ELEV. ( ft)	PRO- FILE	GROUND SURFACE ELEVATION: 909.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF COMP. ST (PSF)
		Topsoil: Brown Sand (2 inches) 0.2							
		Fill: Medium Compact Brown Sand with some gravel and brick and trace roots	-	S-01	5 9 12	21			
904.0		Very Stiff Brown Silty Clay with some sand, trace gravel and roots	5	S-02	3 5 6	11	12.3		50007
_		Leave Brown Clavey Sand with trace		S-03	4	13	11.7		5000*
899.0		Loose Brown Clayey Sand with trace silt and gravel (Finer than No. 200 = 42%)	10	5-04	4 6	10			
894.0		Medium Compact Brown Sand with trace silt and gravel	15	S-05	6 13 16	29			
889.0		20.0 End of Boring @ 20 ft	20	S-06	4 9 13	22			
_									VORTI ANNO, PRINCIPA CARRILLANDO CONTROLADO, ANTICO
884.0			25						
Total Drillin Inspe	Depth:	20 ft : June 10, 2016	Water 15	· Level Ob feet durir	oservation ng and up	n: oon comple	tion of dri	illing	
	actor:	Strata Drilling, Inc. B. Sienkiewicz	Notes Bor * Ca	ehole col	lapsed at Hand Per	15 ft after etrometer	auger rer	noval	
Drillir 2-1,	ng Meth /4 inch	nod: inside diameter hollow-stem auger	Excav Bor	ation Bac ehole bac	kfilling P kfilled w	rocedure: ith auger c	uttings		
								Figur	e No. 1

Project Name: Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

G2 Project No.

163137

Latitude: N/A Longitude: N/A



### Soil Boring No. B-12

### CONSULTING GROUP

		SUBSURFACE PROFILE	SOIL SAMPLE DATA							
ELEV. ( ft)	PRO- FILE	GROUND SURFACE ELEVATION: 910.0 ft :		DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR (PSF)
	7 <u>7</u> 7	Topsoil: Brown Sandy Clay (14 inches)	1.2	_						
_					S-01	3 4 3	7	11.6		5160
-		Very Stiff Brown Sandy Clay with trace silt and gravel		_		5				
905.0			5.5	5	S-02	7	12	9.9		5000*
-		Medium Compact Brown Silty Sand with trace clay and gravel	-	-	S-03	7 6 7	13			
-			8.0	4		6	•			
0.00		Hard Brown Sandy Clay with trace silt and gravel		10	5-04	7 9	16	9.4		9000*
895.0		Hard Dark Gray Sandy Clay with trace silt and gravei		15	S-05	14 15 15	30	8.8		9000*
		Medium Compact <b>Brown Sand</b> with trace silt and gravel	6.0	,		5				
890.0		End of Boring @ 20 ft	0.0	20	S-06	4 7	11			
1				-						
885.0				25						POTENTIAL PROPERTY AND ADMINISTRATION AND ADMINISTR

Total Depth:

20 ft

Drilling Date:

June 9, 2016

Inspector: Contractor:

Strata Drilling, Inc.

Driller:

B. Sienkiewicz

completion

\* Calibrated Hand Penetrometer

Water Level Observation:

Drilling Method:

2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure: Borehole backfilled with auger cuttings

16 feet during drilling operations; 15-1/2 feet upon

Proposed Lake Access Parcels

Project Location: NW Corner of Main Street and Barker Road

Northfield Township, Michigan

G2 Project No. 163137



# Soil Boring No. B-13 CONSULTING GROUP

		SUBSURFACE PROFILE	SOIL SAMPLE DATA						
ELEV. ( ft)	PRO- FILE	GROUND SURFACE ELEVATION: 909.0 ft ±	DEPTH ( ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF COMP. ST (PSF)
	32 34 17 34 3	Topsoil: Brown Silty Sand (12 inches)	1.0						
-1		Fill: Brown Silty Sand with trace brick and roots	3.0	S-01	10 50/5"				
904.0			5	S-02	3 2 5	7			
-		Loose to Medium Compact Brown Clayey Sand with trace silt and gravel	-	S-03	5 6	12			
_			_	5-03		12			
399.0		7	9.0	5:04	8 9 10	19	9.6		7000
		Very Stiff Brown Sandy Clay with trace silt and gravel							
394.0		Hard Dark Brown Silty Clay with trace gravel, sand, and cobble	15	S-05	8 9 12	21	8.6		9000*
-		Hard Dark Brown Silty Clay with trace sand and gravel and occasional sand seams	6.0						
389.0		2	0,0 20	S-06	5 6 8	14	10.2		9000*
		End of Boring @ 20 ft	-						
	er ( ) man obs som et de same ( neuesto en de se			,	THE REPORT OF THE PROPERTY AND THE PROPE				
384.0	ALL CALLED THE PARTY OF THE PAR		25						

Drilling Date:

June 9, 2016

Inspector: Contractor:

Strata Drilling, Inc.

Driller:

SOIL / PAVEMENT BORING 163137.GPJ

D. Watkins

Notes:

completion

Borehole collapsed at 15-1/2 ft after auger removal

9 feet during drilling operations; 11-1/2 feet upon

\* Calibrated Hand Penetrometer

Drilling Method:

2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure: Borehole backfilled with auger cuttings

#### Northfield Township Fire Department

#### Apparatus Replacement Plan

The Northfield Township Fire Department recently made its last payment of a loan used to purchase 3 pieces of fire apparatus. While I am opposed to taking out loans for apparatus I am not judging the decisions made by previous Fire Chiefs or Boards.

Because of the state of the budget and economy over the recent years it has been difficult put ourselves in a position to plan for future purchases because the recent goals have been to try to provide the service of fire suppression, medical response and rescue.

The Fire Department is in desperate need of a plan to start replacing is large cost pieces of apparatus. The plan I submit will be a complete change of the current number and type of apparatus and equipment.

Starting with the most expensive apparatus, we currently have 2 tankers and 2 engines. I would propose to replace these 4 pieces of apparatus with 2- Engine/ Tanker combos (1 for each station). Currently our tankers are generally used only for the purpose of carrying water to the fire from the station or a water source. There is minimal equipment on those trucks for the actual fire scene operations such as saws, ladders and scba's. Our current tankers only carry 1800 gallons of water. The minimum generally accepted amount is 2500 gallons. We cannot even participate in a MABAS tanker task force because both tankers don't carry the minimum amount of water and 1 of the tankers only has a pump capacity of 500 gpm. Our current Engines carry 1,000 gallons of water in the water tank and the appropriate equipment to meet NFPA 1901 which sets the standard for fire apparatus. When combining these two types of apparatus like all area fire departments have done the trucks appear much larger. I would propose an Engine/Tanker combo that meets NFPA 1901 and carries 2,500 gallons of water. The spread sheet attached to this document shows the ages of the current apparatus. I would propose for the budget year 2016/2017 the selling of E8-1 and T8-1 and replacing those with the above mentioned Engine/Tanker combo. I will discuss the plan for purchasing this below.

The next most needed replacement will be of the Rescue trucks. We currently have two nearly identical rescue trucks at each station. These were two of the three trucks that have just been paid off. I would propose replacing the R8-2 with a Utility pickup truck that will have brush fire fighting capability in the spring season. We believe we can trade this rescue truck in and purchase a new ¾ ton pick-up and purchase a slid-in water tank and pump for brush fires for a neutral cost. This truck would be stationed at station #2 where we took a brush truck out of service several years ago and never replaced. I would propose trading R8-1 in for a new rescue truck that would be a Suburban type of vehicle that could withstand the high use better than our current rescues. I also believe that we can make this change cost neutral and have newer pieces of apparatus. This will require some operational changes but I believe will save money in maintenance costs. We have put approximately \$15,000 in the last couple years of in engine repairs to these 2 vehicles.

Ladders 8-1 was purchased just prior to my arrival in Northfield Township. The voters approved a millage around 15 years ago for the purchase of a ladder. The ladder purchase was around \$1,000,000. The truck purchased was a 100' Pierce aerial platform truck. The previous Chief and Board at the time of 2006 sold that truck to a City in the Upper Peninsula and purchased the current 75' straight ladder. This current ladder has very minimal hours and miles on it is still in very good shape. I don't anticipate having to replace this for the next 15 years.

We currently have 2 utility vehicles. The 2000 Crown Vic (Utility 8-1) is out of service and in my opinion not worth putting money into repairs. The Crown Vic was basically donated to the fire department by the Police Department for \$1. Utility 8-2 is a 1997 Dodge Ram 2500. This truck was donated to us from the Wastewater treatment plant for \$1. Utility 8-2 is extremely rusty and the transmission was in very poor shape when we acquired it. It is not worth replacing the transmission or putting needed money into the engine. I would propose purchasing a new 4-door utility pick-up truck to replace the current utilities that we have. I would also recommend putting a snow plow on that truck to take care of the plowing of Station #2 and to be used during extreme snow storms to access homes that had not been plowed as was needed several times over the last 2 years.

This plan would take the numbers of vehicles in the fire department fleet 2 years ago that was 12 to a total of 7 vehicles. This will save on fuel, maintenance costs and un-needed miles on the larger pieces of equipment and insurance.

The plan to start to replace some of the equipment is as follows:

R8-2- Sell and replace with new ¾ ton pickup and with available remaining funds purchase a slide in water tank and pump. This truck will then be used for medicals from station #2, brush fires and general use. This can be done at any time as it does not require budgeted money.

R-8-1- Sell the current Rescue truck and replace it with a Suburban style rescue vehicle. This will be able to do nearly all the same things the current rescue only at a savings in fuel and maintenance costs and would be a newer vehicle.

E8-1 and Tanker 8-1- Replace these two vehicles with an Engine/ Tanker combo. The cost of this truck would be between \$450,000- \$500,000. I would propose that this truck be purchased using current Fire Department fund balance with a contribution from the general fund balance and the money received by the sale of E8-1 and T8-1.

U8-1 and U8-2- I would propose replacing these two utilities with 1 utility truck that would be a four door ¾ ton vehicle with a snow plow. This money would come from the fire department fund balance.

I would then move E8-2 and T8-2 out to station #2 until they can be replaced using a newly developed capital improvement fund. I would expect that within 8 years we would have the money built up in that fund to replace the two of these vehicles with a previously mentioned Engine/Tanker combo.

The Ladder would probably need to be addressed in about 15 years.

Establishment of a Fire Department Apparatus Capital Improvement Fund. After several discussions with the Township Manager we have come up with a plan to start replacing much needed fire department apparatus. We discussed always maintaining a 33% fund balance which would leave 4 months of the current budget to run the fire department in case of a millage failure. At the start of the 2015/2016 budget year the fund balance was \$413,000. The appropriations budget for the same period is \$670,000.

Using 33% for a fund balance we would be required to keep \$225,000 in the fund balance. This would allow us to move \$188,000 into a capital improvement fund. With the sale of E8-1 and T8-1 we would receive in the area of \$75,000. This would give us \$263,000 available for use of purchasing apparatus.

My first requests for purchase that would affect the budget would be for the replacement of the utilities. O would request this for the current budget year (15/16). I am estimating that this purchase would be in the neighborhood of \$35,000-\$40,000.

My second request would occur in the budget year (16/17). This would be for the proposed sale of and Engine and Tanker and the purchase of an Engine/ Tanker combo. This purchase would be in the area of \$450,000-\$500,000. This would require a contribution from the general fund of around \$250,000-\$300,000.

				NORTHFIE	LD TOWNSHI	P					
				FIRE CIP FUND	) (#404) SUMM	ARY					
				10 Yr. Capital	Improvement F	'lan		T			
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Fire Fund											
Suburban Style Rescue Vehicle	65,000										****
4-door Utility Pick-Up Truck		40,000									
Engine/Tanker Combo			500,000								
Total Purchases	65,000	40,000	500,000	0	0	0	0	0	0	0	0
Beginning Fund Balance	0	175,000	510,000	10,000	10,000	10,000	10,000	10,000	95,000	180,000	265,000
Plus:		173,000	310,000	10,000	10,000	10,000	10,000	10,000	33,000	100,000	203,000
- Sale of Assets	52,000 1)	75,000 2)	0	0	0	0	0	0	0	0	0
- Donations	0	0	0	0	0	0	0	0	0	0	0
- FF Contribution	188,000	0	0	0	0	0	0	85,000	85,000	85,000	85,000
- GF Contribution		300,000	0								
Less:											
- Total Purchases	(65,000)	(40,000)	(500,000)	0	0	0	0	0	0	0	0
Ending Fund Balance	175,000	510,000	10,000	10,000	10,000	10,000	10,000	95,000	180,000	265,000	350,000
PLEASE NOTE: This is a new fund. The	regular fire fund (#21	L6) will still have	33% or approxir	nately \$225,000	of it's fund balar	ce left after the	\$188,000 transfe	r to this new fur	id.		

1) Sale of R8-2

2) Sale of E8-1 and T8-1

#### OFFICE OF COUNTY TREASURER



200 N. MAIN STREET, SUITE 200 PO BOX 8645 ANN ARBOR, MI 48107-8645 PHONE: (734) 222-6600 FAX: (734) 222-6632 taxes@ewashtenaw.org

CATHERINE McCLARY, CPFO, CPFIM TREASURER

June 2016

Dear City, Township, or Village Clerk:

This letter serves as your notice of the parcels that I foreclosed upon in Circuit Court in my capacity as the Foreclosing Governmental Unit under the authority of the General Property Tax Act. These foreclosures were made for delinquent real property taxes.

A public auction of these properties is scheduled. Minimum bids have been established and include all delinquent taxes, fees, penalties, and interest plus any costs related to holding the auction. Attached is a list of parcels that have been foreclosed on and may be acquired by your municipality for public use before the public auction for the indicated minimum bid.

The General Property Tax Act establishes a procedure for the State and for local municipalities to purchase foreclosed property prior to public auction. **The purchase must be for a governmental use and to carry out a public purpose exempt from taxation.** The law establishes the following order of preference:

- a) The State of Michigan has first right of refusal and *must pay the higher of the minimum bid* or the market value of the property. The State has until the first day Tuesday in July to exercise its right.
- b) The City, Village, or Township (in that order) in which the property is located can purchase the property if the State declines and *must pay the minimum bid, prior to the auction beginning on the third Tuesday in July.*
- c) The County may purchase the property if the City, Village, or Township declines and *must* pay the minimum bid.

If the City, Village, Township, or County purchases a property under this process and later sells the property for more than the purchase price, plus the cost of any improvements, the excess proceeds are due back to the Treasurer to replenish the tax foreclosure fund.

Please let me know as soon as possible if you have any questions about the process for acquiring this parcel or any general questions about foreclosures or charge-backs.

Sincerely,

Catherine McClary

cc: City, Township, or Village Treasurer

#### http://www.auction.com/washtenaw



### List of Tax Foreclosed Properties Auction 2016

#### Washtenaw County, Michigan

Please Note: The Treasurer has the right to withdraw any property on this list prior to the auction. Please contact the office for up to date information.

All bidding is done online. Please read the terms and conditions before bidding.

All attempts were made for accuracy and proof-reading. Please report any errors you may find to taxes@ewashtenaw.org

Catherine McClary, CPFO, CPFIM
Washtenaw County Treasurer

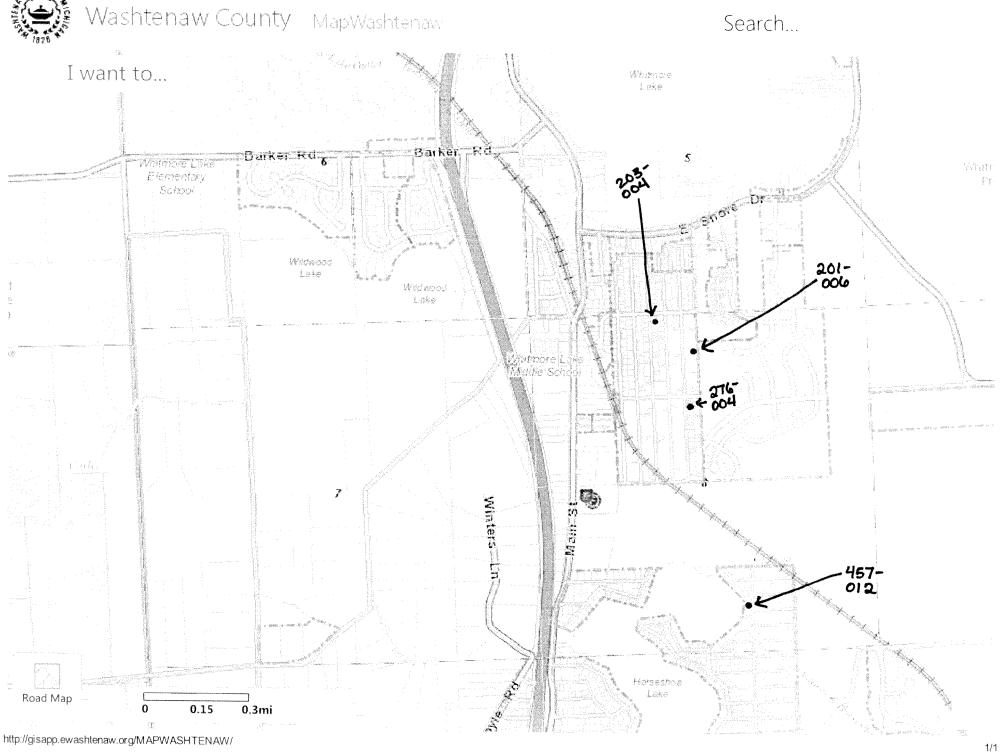
Phone: 734-222-6600 Fax: 734-222-6632

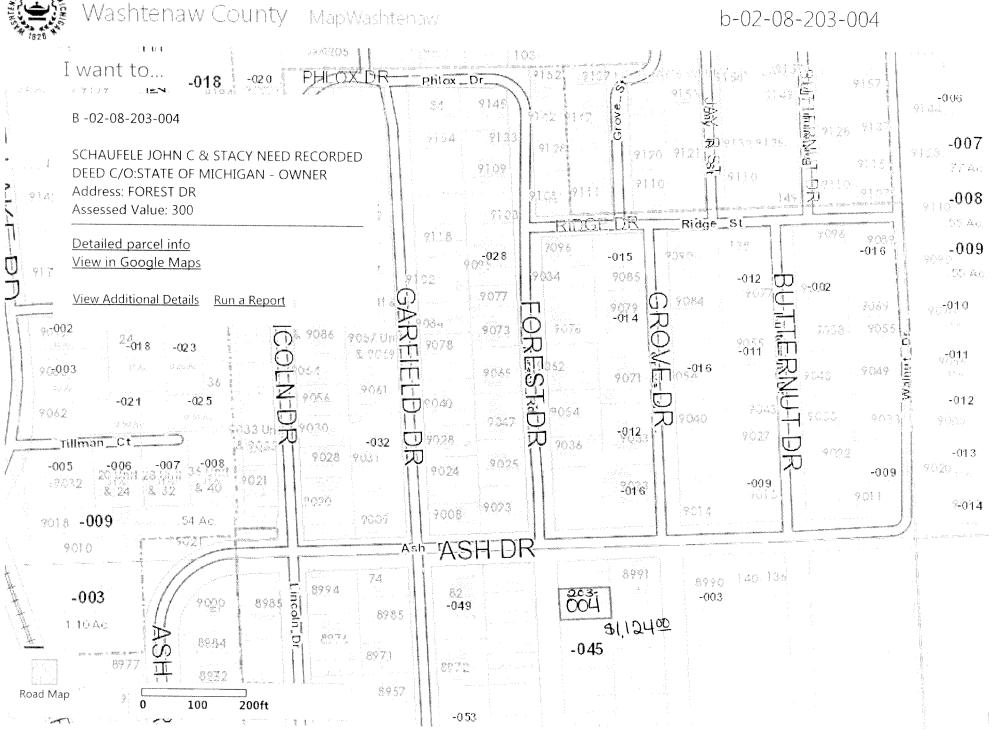
Email: taxes@ewashtenaw.org

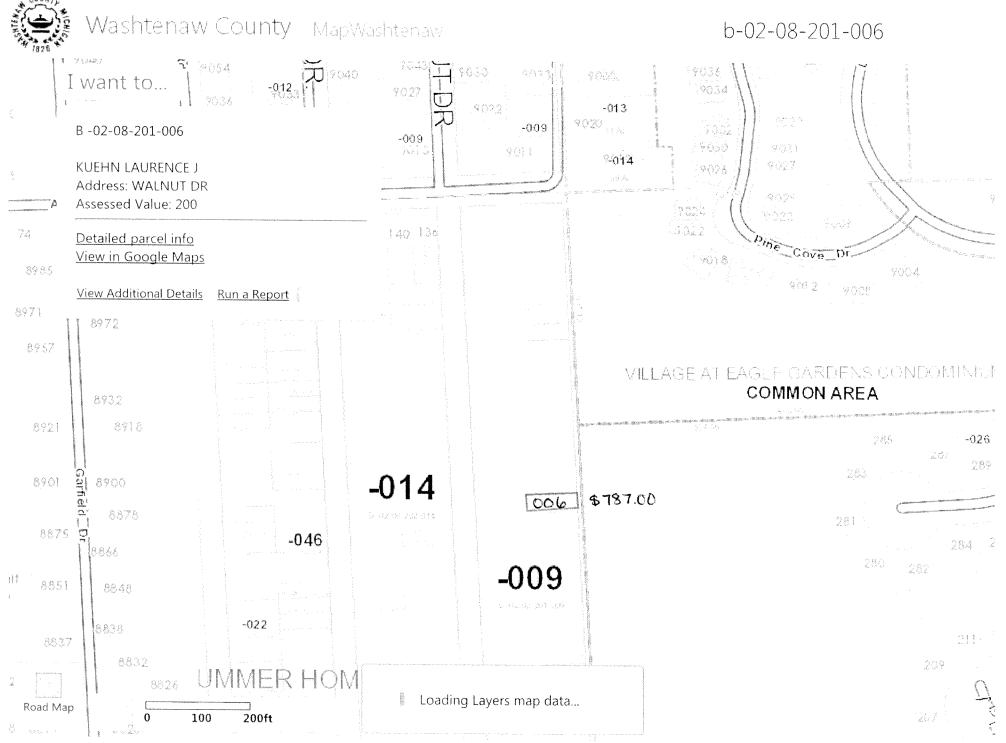
Auction Item Number	Parcel Identification Number	Address and Municipality	Auction Date	2016 Assessed Value x 2**	Minimum Bid***	Legal Description
	B -02-08-368-009	Main St Whitmore Lake, MI 48189 Township of Northfield	7/22/2016	\$40,600	\$2,626	*OLD SID - B 02-008-045-00 NO 8-13B-1 COM AT SW COR OF SEC, TH N 87 DEG 15' E 201.4 FT ALNG SLN OF SEC, TH N 4 DEG 42'30" E 201.71 FT TO POB, TH N 4 DEG 42'30" E 277.76 FT, TH S 69 DEG 11' E300 FT MORE OR LESS TO LAKE SHORE, TH SLY ALNG LAKE SHORE TO A POINT N 87 DEG 15' E FRM POB, TH S 87 DEG 15' W 258 FT MORE OR LESS TO POB, SEC 8, T1S-R6E; CONT 1.43 ACRES
	Northfield Parks	Walnut Dr Et Al. Forest Dr Butternut Dr Raphael Ave Whitmore Lake, MI 48189	7/22/2016	\$2,800	\$3,579	*OLD SID - B 02-115-457-00 NO 45-565 LOT 1055 WHITMORE LAKE SUMMER HOMES SUBD'N. *OLD SID - B 02-115-299-00 NO 45-351 LOT 577 & 578 WHITMORE LAKE SUMMER HOMES SUBD'N. *OLD SID - B 02-115-423-00 NO 45-520 LOTS 949-952 INCL. WHITMORE LAKE SUMMER HOMES SUBD'N. *OLD SID - B 02-090-296-00 NO 40-624 LOT 624 LINCOLN REALTY CO., HORSESHOE LAKE SUBDIVISION.
	B -02-17-226-003	Shady Beach Dr Whitmore Lake, MI 48189 Township of Northfield	8/12/2016	\$9,800	<b>\$</b> 1,446	*OLD SID - B 02-060-034-00 NO 38-39 LOT 39 HORSESHOE LAKE DEVELOPMENT CO'S SHADY BEACH SUBDIVISION.
	B -02-17-229-007 & -010	Elm St & Grove Dr Whitmore Lake, MI 48189 Township of Northfield	8/12/2016	\$2,600	\$1,572	OLD SID B-02-060-149-00 NO 38-218 LOT 218 HORSESHOE LAKE DEVELOPMENT CO'S SHADY BEACH SUBDIVISION. OLD SID B-02-060-153-00 NO 38-225 LOT 225 HORSESHOE LAKE DEVELOPMENT CO'S SHADY BEACH SUBDIVISION.
	B -02-17-232-001	Delaware Rd Whitmore Lake, MI 48189 Township of Northfield	7/22/2016	\$9,400	\$1,260	*OLD SID - B 02-060-265-00 NO 38-391 LOT 391 HORSESHOE LAKE DEVELOPMENT CO'S SHADY BEACH SUBDIVISION.
	B -02-17-261-013	Glenmoor Dr Whitmore Lake, MI 48189 Township of Northfield	8/12/2016	\$2,800	\$1,047	*OLD SID - B 02-060-340-00 NO 38-527 ALL THAT PART OF LOTS 527 & 583 WHICH LIES ELY OF A LINESO FT ELY OF, MEASURED AT RIGHT ANGLES, AND PARALLEL TO THE SURVEY CENTER LINE FOR THE E SERVICE ROAD OF HWY, U.S. 23 HORSESHOE LAKE DEVELOPMENT CO'S SHADY BEACH SUBDIVISION.
	B -02-18-185-003	Coyle Rd Whitmore Lake, MI 48189 Township of Northfield	7/22/2016	\$3,600	\$1,105	*OLD SID - B 02-060-346-00 NO 38-555 LOT 555 HORSESHOE LAKE DEVELOPMENT CO'S SHADY BEACH SUBDIVISION; LOT DIMEN: 35.00 X 130.00
	B -02-21-400-019	1960 E North Territorial Rd Whitmore Lake, MI 48189 Township of Northfield	8/12/2016	\$34,600	\$4,990	NO 21-13 REWRITE 2/8/91 COM AT SE COR SEC 21, TH N 02-16-04 E 831.81 FT TO POB, TH N 83-11-14 W 314.00 FT, TH N 02-16-04 E 215.00 FT, TH S 83-11-14 E 217.12 FT, TH 98.02 FT ALNG ARC OF CURV RT-RAD, 572.40 FT, CH S 78-16-53 E 97.90 FT, THS 02-16-04 W 206.60 FT TO POB. PT OF SE 114, SEC 21, T1S-R6E; CONT 1.54 ACRES

\*\*\* Includes all delinquent taxes, interest, penalties, fees, costs, and expenses.

<sup>\*\*</sup> Per Michigan Constitution, assessed value shall not exceed 50% of true cash value (Article 9, Section 3).







.094



b-02-08-457-012

-001

