



Division of Transportation  
System Development  
Northeast Regional Office  
944 Vanderperren Way  
Green Bay, WI 54304

Scott Walker, Governor  
Dave Ross, Secretary  
Internet web site: [www.wisconsin.gov](http://www.wisconsin.gov)

Telephone: (920)492-5643  
E-mail: [dot.dtsd.ne.utility@dot.wi.gov](mailto:dot.dtsd.ne.utility@dot.wi.gov)

## **SPECIAL SUPPLEMENTAL PERMIT PROVISIONS**

It is understood and agreed that approval of this utility permit is subject to applicant's full compliance with the standard supplemental permit provisions, special supplemental provisions found listed below, and the Wisconsin Department of Transportation's *Utility Accommodation Policy (UAP)*, current edition (Also known as Highway Maintenance Manual – Chapter 9, Section 15)  
<http://www.dot.wisconsin.gov/business/rules/property-uap.htm>

**Permit Number: 2018309**

1. Lane closure w/o flagging wouldn't be applicable in this scenario as STH 15 is a 2-lane roadway through here. Change to a lane closure with flagging. Allowable flagging times is 9am-2pm daily.
2. (HMM 09-15-60-4.2) Send the LCS request to WisDOT for review and approval at the appropriate time in accordance with the following advance notifications guidelines:
  - a. 7 calendar days for any freeway ramp, lane or shoulder closure
  - b. 7 calendar days for full roadway closure of any state highway (detour involved)
  - c. 7 calendar days for closures that may impact oversize/overweight (OSOW) permits
  - d. 3 business days for closures non-freeway or shoulder closuresContact Josh Falk, (920) 366-8033 or [joshua.falk@dot.wi.gov](mailto:joshua.falk@dot.wi.gov).
3. (HMM 09-15-25-2.0) Bore shall be perpendicular to the highway, and bore pits established no closer to the highway than the toe of in slope or back of curb. The use of the median area is prohibited even to check the boring machine head.
4. (HMM 09-15-45-5.0) Restore any curb, gutter, pavement, shoulder, sidewalk, driveway, gravel base, ballast, or other highway element disturbed to the qualities, grades, compactions, conditions, etc., in accordance with WisDOT's [Standard Specifications for Highway and Structure Construction, current edition](#).



# APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY

Wisconsin Department of Transportation  
DT1553 7/2017 s. 66.0831, 84.08, 85.15, 86.07(2)(a), 86.16, 182.017 and other applicable Wis. Stats.

1. Applicant (Utility facility owner) Name and Address Charter Communications 4125 N 124 <sup>TH</sup> ST SUITE D BROOKFIELD, WI 53005		2. Work Start Date <del>9/24/2018</del> Upon Approval	3. Work Finish Date★ 12/24/2018	6. Location Description (¼ section, section, town, range; provide plat and/or location maps) Located in the NE 1/4 of Section 6, T21N, R16E	
9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.) <input checked="" type="checkbox"/> Comm: FIBER <input type="checkbox"/> Electric: <input type="checkbox"/> Gas/Oil: <input type="checkbox"/> Water: <input type="checkbox"/> Sewer: <input type="checkbox"/> Casing: <input type="checkbox"/> Conduit: <input type="checkbox"/> CATV: <input checked="" type="checkbox"/> Transmission <input type="checkbox"/> Service <input type="checkbox"/> Distribution <input type="checkbox"/> Service (ESCP)		4. Is the work due to a WisDOT highway project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		7. Work Location (List all that apply) Town: ELLINGTON Village: City: County: OUTAGAMIE	
10. Facility Orientation (Check all that apply) <input checked="" type="checkbox"/> Underground <input checked="" type="checkbox"/> Overhead <input type="checkbox"/> Crossing <input checked="" type="checkbox"/> Parallel <input type="checkbox"/> OSOW high clearance route <input type="checkbox"/> Structure attachment <input type="checkbox"/> Scenic easement (Off right-of-way)		12. Proposed Work Methods (Check all that apply) <input type="checkbox"/> Trench <input checked="" type="checkbox"/> Plow <input type="checkbox"/> Place fill <input type="checkbox"/> Rock blasting <input type="checkbox"/> Place cable <input type="checkbox"/> Open cut <input type="checkbox"/> in conduit pavement <input type="checkbox"/> Hand/mechanical excavation Bore: <input type="checkbox"/> Hydraulic (Auger/Jack/Tunnel) <input type="checkbox"/> Pneumatic (Mole) <input type="checkbox"/> Directional 1 (Manually tracked) <input checked="" type="checkbox"/> Directional 2 (Computer tracked) <input type="checkbox"/> Unknown (At this time) Install or attach to poles/towers: <input type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> Guys 6M-20M WEPCO (-Diameter) (Name of existing owner) (Provide details for all guy-wires on plan sheets) Pothole (Subsurface excavation): <input checked="" type="checkbox"/> Air <input type="checkbox"/> Water Tree/vegetation control: <input type="checkbox"/> Trim (Prune) <input type="checkbox"/> Plant <input type="checkbox"/> Remove (Cut) <input type="checkbox"/> Mow <input type="checkbox"/> Chemically treat		13. Work Zone Description (Check all that apply). (Provide relevant diagram(s) with application.) <input type="checkbox"/> Not applicable <input type="checkbox"/> Full road closure: detour <input type="checkbox"/> Full road closure: temporary <del><input checked="" type="checkbox"/> Lane closure: without flagging</del> <input checked="" type="checkbox"/> Lane closure: with flagging <input type="checkbox"/> Lane encroachment (2 feet or less) <input type="checkbox"/> Intersection/roundabout <input type="checkbox"/> Shoulder/parking lane closure <input type="checkbox"/> Railroad crossing Freeway/expressway location <input type="checkbox"/> Off shoulder: < 30' off white line <input type="checkbox"/> Off shoulder: ≥ 30' off white line <input type="checkbox"/> Near right-of-way line or fence Non-freeway/expressway location <input type="checkbox"/> Off shoulder: < 15' off white line <input type="checkbox"/> Off shoulder: ≥ 15' off white line <input checked="" type="checkbox"/> Back of curb: < 2' behind <input checked="" type="checkbox"/> Back of curb: ≥ 2' behind	
11. Work Types (Check all that apply) <input checked="" type="checkbox"/> New facility <input type="checkbox"/> Remove <input type="checkbox"/> Joint install <input type="checkbox"/> Maintenance <input type="checkbox"/> Improve or repair existing <input type="checkbox"/> Discontinue, left in place		14. Is the facility near a survey monument? <a href="#">HMM 09-15-35</a> If yes, call (866) 568-2852 or email <a href="mailto:geodetic@dot.wi.gov">geodetic@dot.wi.gov</a> . <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		15. Will appurtenances be installed with the facility? If yes, provide a description and/or specification for each item. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		16. Trans 401 project designation? If Major, provide a formal erosion control plan. <a href="#">HMM 09-15-55</a> <input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor		17. Are any environmental approvals, certifications or permits required from other regulatory agencies, including tribal governments? If yes, provide a copy of each item. If no, provide proof of other agency coordination as needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

★ Includes permanent restoration. If the permitted work has not started by the "Work Finish Date", this permit is null and void. If the permitted work has started, but has not been completed by the "Work Finish Date", the work shall not be completed unless authorized through an approved written time extension or a subsequent permit. **ANY PERMIT ISSUED IS REVOCABLE.**

18. Utility Person Responsible for Construction Richard Rudiger	Telephone Number (920) 831-9254	It is understood and agreed that WisDOT approval is subject to the applicant's full compliance with all pertinent statutes, as well as any regulations and rules of other jurisdictional agencies (which may be more restrictive), any supplemental permit provisions, and WisDOT's <a href="#">Utility Accommodation Policy</a> , current edition.
19. Utility or Project 24/7 Emergency Contact	Telephone Number	
20. Provide company name and address of utility authorized representative if not employed by the applicant. Mi-Tech Services MICHELE PETERSON	<i>Richard Rudiger</i> (Utility Authorized Representative Signature – If filled via computer, brush script font) Construction Coordinator (715) 204-5339 rudi.rudiger@charter.com (Title) (Telephone Number) (Email Address) 9/10/2018 (Date)	
21. Provide additional work details, if needed (use back page or include separate pages) Please see attached map for reference		<b>This permit does not transfer any land, or give, grant or convey any land right, right in land, or easement in WisDOT right-of-way. It is not assignable or transferrable. If a utility facility changes ownership, this permit terminates. The new owner must obtain a permit in order to operate and maintain the facility in WisDOT right-of-way.</b>

## For Wisconsin Department of Transportation Use Only

<input checked="" type="checkbox"/> <b>UTILITY SHALL NOTIFY WISDOT REPRESENTATIVE LISTED BELOW 3 DAYS BEFORE STARTING ANY WORK:</b> Region contact, office address, telephone number and email address Linda Skaleski WisDOT, Northeast Region 944 Vanderperren Way Green Bay, WI 54304 920-492-4166 <a href="mailto:dotdtsdneutilitycoordination@dot.wi.gov">dotdtsdneutilitycoordination@dot.wi.gov</a>	<input checked="" type="checkbox"/> <b>Review All Supplemental Permit Provisions</b> <input checked="" type="checkbox"/> <b>Revisions Made to Drawings or Other Pages</b> <input checked="" type="checkbox"/> Lane Closure System notification required <a href="#">HMM 09-15-60</a> <input type="checkbox"/> Insurance or performance bond required <input type="checkbox"/> Joint installation: See permit(s) # <input type="checkbox"/> Private utility (Non-public ownership and/or use) <input type="checkbox"/> Expedited Service Connection Permit <input type="checkbox"/> This permit voids & supersedes # issued: <input type="checkbox"/>	Application Received 9/11/2018
		Application Completed 9/25/2018
		Permit Issued 9/27/2018
		Permit Extended
		Permit Amended
		Permit Number 2018309

(WisDOT Improvement Project ID Numbers, if applicable)

(WisDOT Authorized Representative Signature – If filled via computer, Brush Script font)

# APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY *(continued)*

Wisconsin Department of Transportation

DT1553

Use this section to provide information that does not fit on front page

## INDEMNIFICATION

This Applicant shall save and hold the State, its officers, employees, agents, and all private and governmental contractors and subcontractors with the State under Chapter 84 Wisconsin Statutes harmless, as allowed by Wisconsin law, from actions of any nature whatsoever (including any by Applicant itself) which arise out of, or are connected with, or are claimed to arise out of or be connected with any of the work done by the Applicant, or the construction or maintenance of facilities by the Applicant, pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, (1) while the Applicant is performing its work, or (2) while any of the Applicant's property, equipment, or personnel, are in or about such place or the vicinity thereof, or (3) while any property constructed, placed or operated by or on behalf of Applicant remains on the State's property or right-of-way pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way; including without limiting the generality of the foregoing, all liability, damages, loss expense, claims, demands and actions on account of personal injury, death or property loss to the State, its officers, employees, agents, contractors, subcontractors or frequenters; to the Applicant, its employees, agents, contractors, subcontractors, or frequenters; or to any other persons, whether based upon, or claimed to be based upon, statutory (including, without limiting the generality of the foregoing, worker's compensation), contractual, tort, or whether or not caused or claimed to have been caused by active or inactive negligence or other breach of duty by the State, its officers, employees, agents, contractors, subcontractors or frequenters; Applicant, its employees, agents, contractors, subcontractors or frequenters; or any other person.

Without limiting the generality of the foregoing, the liability, damage, loss, expense, claims, demands and actions indemnified against shall include all liability, damage, loss, expense, claims, demands and actions for damage to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way in the past or present, or that are located on any highway or State property or right-of-way with or without a permit issued by the State, for any loss of data, information, or material; for trademark, copyright or patent infringement; for unfair competition or infringement of personal or property rights of any kind whatever. The Applicant shall at its own expense investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage, loss, claims, demands and actions.

Any transfer, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit shall not release Applicant from any of the indemnification requirements of this permit, unless the State is notified of such transfer in writing. Any acceptance by any other person or entity, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit, shall include acceptance of all of the indemnification requirements of this permit by the other person or entity receiving ownership or control.



## STANDARD SUPPLEMENTAL PERMIT PROVISIONS

For Wisconsin Department of Transportation Utility Facility Permits

### Acronyms used in this document:

- BMPs: Best Management Practices
- R/W: Right-of-Way
- UAP: Utility Accommodation Policy
- HMM: Highway Maintenance Manual
- WisDOT: Wisconsin Department of Transportation

### 1. GENERAL WORK REQUIREMENTS

- As required by Wisconsin Statute 182.0175, when filing your Diggers Hotline request ensure that this WisDOT Permit Number is in the Remarks Section of the Diggers Hotline Ticket.
- The Permittee shall bore under all driveways, private entrances, wetlands, culverts, and all roadways.
- The Permittee is responsible for obtaining any permits from the Department of Natural Resources, or any other agency that may have an interest in the area impacted by the construction of the utility facility.

2. **WORK DUE TO A WISDOT HIGHWAY PROJECT.** This approved permit constitutes acceptance that the work in this permit is compatible with permit requirements. This approved permit is NOT a Work Plan Approval/Start Work Notice as required by Trans 200.05(07). This approved permit is NOT a Work Plan Approval/Start Work Notice for a non-Trans 220 project. This approved permit does NOT approve or authorize an agreement between WisDOT and the Permittee for compensable work due to a WisDOT highway project.

3. **PERMIT TERM.** For as long as the Permittee continues to own, operate and maintain this utility facility within WisDOT R/W in accordance with the terms of its permit and WisDOT's UAP, this permit shall be valid.

4. **REVOCATION BY WISDOT.** WisDOT may revoke this permit if its own use of the R/W would be facilitated by the full or partial relocation of the Permittee utility facility, and shall provide the Permittee with written notice prior to revocation. At which time WisDOT shall work with the Permittee to find a suitable replacement area on R/W near the terminated location if possible. WisDOT shall not compensate the Permittee to move its utility facility in keeping with WisDOT's policy on compensable / non-compensable utility facility moves.

5. **TERMINATION BY PERMITTEE.** The Permittee may terminate this permit upon 60 days written notice to WisDOT. Upon such termination, the Permittee shall either remove its communication cable facility from the R/W, or abandon it in-place provided it does not constitute an environmental hazard.

6. **HOLIDAY WORK RESTRICTIONS for 2018.** The Permittee shall not work on January 1, May 28, July 4, September 3, and November 22, and December 25.

7. **WORK-TIME RESTRICTIONS.** Weekday work is from sunrise to sunset. Weekend work may be allowed upon prior approval from WisDOT. No work shall take place during nighttime hours unless authorized by WisDOT.

8. **TRAFFIC CONTROL.** All work zone traffic control will be in accordance with the Wisconsin Manual on Uniform Traffic Control Devices. Additional guidance is available from WisDOT through a booklet entitled, *Work Zone Safety, Guidelines for Construction, Maintenance, and Utility Operations* or from HMM 09-15-60.

9. **WORK AREA PROTECTION DURING NON-WORK TIMES.** The Permittee may store vehicles, equipment, or materials on the non-freeway R/W provided they are placed as close to the non-freeway R/W line as possible, but no less than 30 feet from the edge of the nearest travel lane. If vehicles, equipment, or materials must be parked or stored within an area that is less than 30 feet from the edge of the nearest travel lanes, appropriate temporary concrete or water-filled barriers, signing, and devices shall be utilized. The Permittee shall ensure that any excavations left open during non-work times are well marked and secured from public intrusion.

The primary objective will be maintenance of a safe traffic and working environment. No operation shall to any extent pose any hazard neither to, nor in any manner influence traffic at any time.

All vehicles used to conduct the work operations will be equipped with conspicuously visible roof-mounted revolving or strobe lights. These lights shall be in operation just prior to and during the time the work operations are being conducted. Hazard warning lights on the vehicles must also be operating.

10. **WORK RESTRICTIONS.** For the purposes of placement of these facilities, as stated with this permit request, the State security fence shall not be opened or damaged.

11. **CLEAR ZONE / DRAINAGE INTERFERENCE.** No topsoil or other excavated piles of soil shall be deposited in any manner that interferes with the clear zone or regular drainage patterns within the highway.

As much as possible, all equipment, operations, and spoil material should be situated or accomplished off of the highway.

12. **EROSION CONTROL.** The Permittee shall use the appropriate erosion control BMPs to contain soil directly at the site to prevent disturbed soil from getting into nearby waterways and wetlands. All appropriate erosion control devices shall be in place **prior to starting construction activities**. Temporary seeding shall be used as necessary after rough grading and before completion of the project. The Permittee shall ensure that erosion control BMPs used to protect restored areas remain in place until replacement vegetation achieves sustained growth.

The Permittee shall take all precautions necessary to prevent mud, dirt, or other debris from being deposited onto the shoulder or pavement of all access roads or highways. Any materials deposited on the shoulder or pavement shall be removed immediately. Ruts may remain as is if the Permittee is accessing the R/W from private property, but appropriate erosion control BMPs shall be used to contain disturbed soil at the site.

13. **R/W RESTORATION.** Upon completion of the project a variation of erosion control measures will be required to restore the area that has been disturbed allowing it to return to the manner it was in previous to the construction. All disturbed sites will require a seed mixture that includes a quick sprouting variety with fertilizer and mulch. Other possibilities that may have to be considered are Geotextile fabric, e-mat, and stone ditch checks.

The Permittee is responsible to assure that erosion control measures used to protect restored areas remain in place until replacement vegetation achieves sustained growth.

The basic drainage pattern of the highway shall remain undisturbed by the permitted work. Upon project completion, all spoils, debris, refuse, and waste resulting from the permitted work shall be removed from the work site. Should future maintenance work on the Permittee's utility facility result in the disturbance of the existing R/W, the Permittee shall restore the R/W to its original condition as soon as possible.

Any works or operations not in full compliance herewith shall justify an order by any inspecting officer of WisDOT to cease all further progress on the work, and to accomplish all restorations of disturbed areas, including full restorations of the pavement

Upon completion of the work, all disturbed areas shall be restored according to requirements stated in the Utility Accommodation Policy, HMM 09-15-65, and in a manner satisfactory to WisDOT

14. **NOTIFICATIONS / CONTACTS.** Notify Northeast Region permit coordinator/field inspector, by phone or email, three days prior to the start of construction. Notify Diggers' Hotline 800/242-8511 at least three working days prior to the start of any excavation. It is the obligation of the permittee to determine the location of, and avoid any damage to, the pre-existing lines and facilities of others.

15. **TREES.** Prevent the spread of oak wilt by treating all cut surfaces and abrasions sustained **between April 1 and September 30** by healthy oak trees and saplings with a thorough application of tree paint immediately upon discovering a wound. Between these dates, also paint the cut surfaces of the stumps of all healthy oak trees and saplings immediately after cutting, whether remaining in place or grubbed.

This permit approves the installation of facilities as shown on the diagram provided. If the above assigned position is not feasible, an alternate location of facilities shall be approved prior to installing the facilities by contacting the permit coordinator approving the permit. If the facility is later discovered to be at a location other than that designated by the permit you may be required to relocate the facility at your expense.

*This permit is subject to the attached drawings, these supplemental provisions, and WisDOT's Utility Accommodation Policy. New supplemental provisions may be added, or the existing ones deleted or amended in the future as different issues arise during the installation, operation and maintenance of the permittee's facilities.*



### 3.3 Subsurface Utility Excavation (SUE)

WisDOT allows SUE as a necessary tool for accurate vertical location of utilities. Two methods are available: air (vacuum) and water (jetting). Within the pavement structure (lanes, shoulders, curb & gutter), use **air** SUE rather than water. Water may be allowed if the air method cannot penetrate frozen and/or densely compacted soil. Air or water SUE may be used in other R/W areas beyond the pavement structure. Table 1 below outlines the basic steps for SUE work.

Consult WisDOT prior to using water SUE. If WisDOT agrees to its use, check the SUE water jetting box on the permit application and show hole locations on a drawing. Submit **before** pavement condition pictures at each SUE hole with the permit application, and provide pictures of the fully restored holes **after** the job is completed. This provides WisDOT and the utility with documentation that the restoration was finished. Monitor the holes over the next few years, or until WisDOT is satisfied that no additional settling is occurring or until a new resurfacing or pavement replacement project is done. A utility must repair any SUE hole settlement (Figure 2).

Numerous pictures are not needed. But pictures should be taken from the same angle and distance for the before and after conditions, and be far enough away to provide some sort of perspective for the location (i.e., not right next to the hole). Take pictures with a digital camera so they can be sent electronically, or if taken with a conventional camera, scan and send to WisDOT in a .jpg or .pdf format. No pictures are required for air SUE.

Use round cores for SUE holes within the pavement structure. Round cores are preferred since they prevent stress cracks due to elimination of corners. The maximum size of a SUE hole is 12" in diameter in the wheel paths and a maximum of 16" in diameter outside the wheel paths. Beyond the pavement structure, the hole size may be larger (18"-24") and square upon WisDOT approval.

**Table 1: Basic SUE Steps**

- 1) Pavement is saw cut full depth, with a bit ranging from 12" to 16" in diameter; resulting in a "core".
- 2) The core is removed and saved for reuse (if structurally sound).
- 3) A protective steel ring is placed to protect the edge of the opening from damage.
- 4) Vacuum equipment is used to excavate compacted material from bottom of base course down to beneath utility facility.
- 5) Utility work is performed (e.g., leak repair, service connection).
- 6) Utility facility is protected with fine material.
- 7) Self-mixing flowable fill material is placed from top of fine material to bottom of base course (fill is designed to be traffic-bearing in 90 minutes).
- 8) Non-shrink grout is placed (grout is designed to be traffic-bearing in about 90 minutes).
- 9) The removed core (or a generic equivalent replacement core) is placed in the remaining opening (original alignment and orientation is maintained if removed core is used) forcing the grout to the surface to fill the annular space and core extraction hole.
- 10) The restored opening is sealed.



**Figure 2: Improper SUE Restoration**

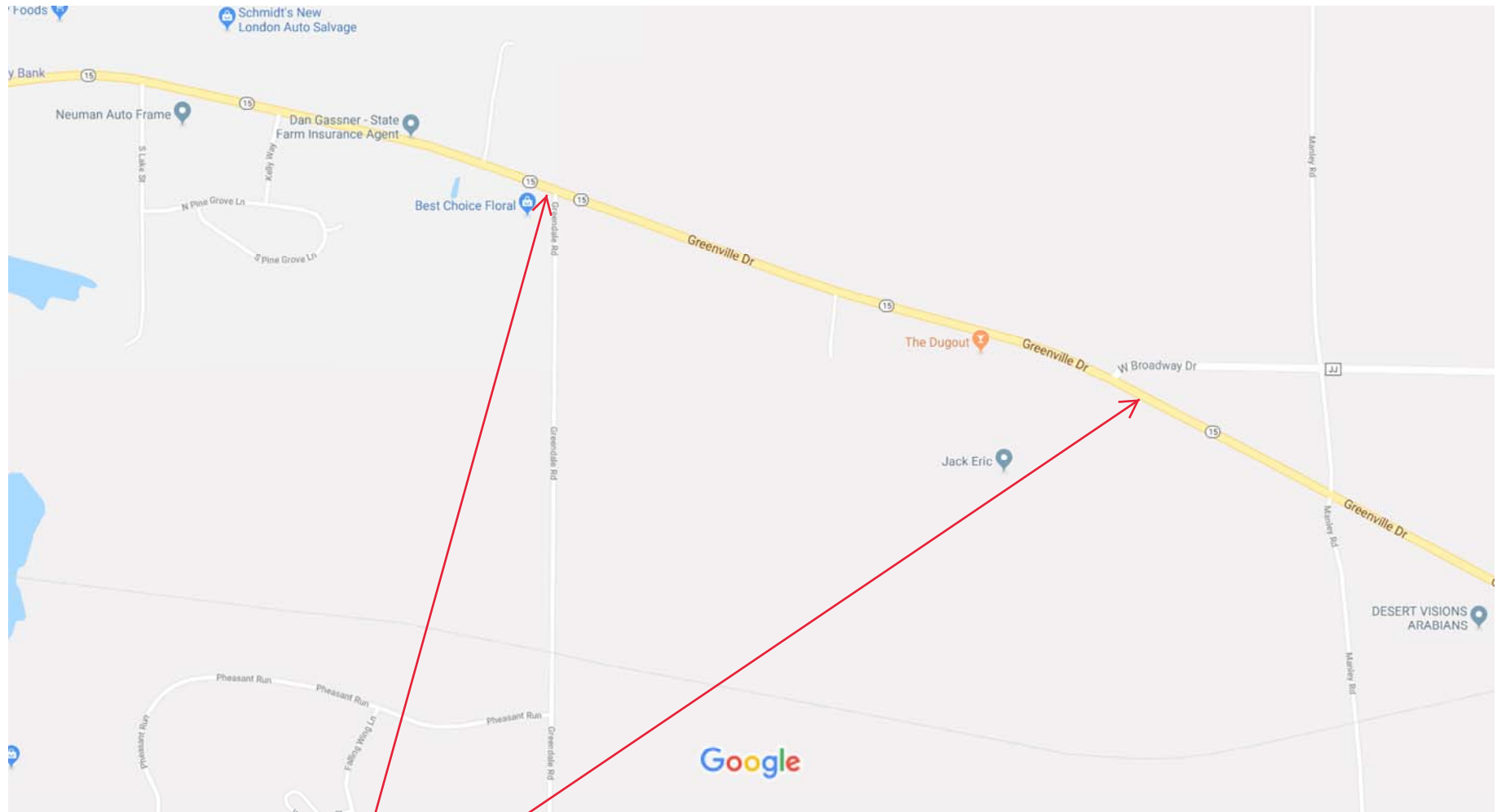
### 3.4 Non-Metallic Lines

Any non metallic pipe, cable or other kind of utility line which lacks a continuous and integral metallic component capable of detection by locating instruments shall be accompanied in its location by a continuous detectable metallic tracer wire or metallic tape.

### 3.5 Casing

Where crossings by underground lines are encased in protective conduit or duct, the encasement shall extend at least two feet beyond the toe of slope or three feet beyond the ditch line. On curbed sections, it shall extend at least outside the outer curbs.

# Google Maps Greenville Dr



CLICK LINK TO VIEW THIS  
AREA IN GOOGLE MAPS



Work description Charter Communications #811890, N2484 Greenville Dr. Hortonville, WI

Charter Communications proposes to overlash 3582' of existing fiber strand between pole #81-22034 & pole #14-05412. Install new 6M strand and (1) fiber 342' from pole #14-05412 to pole #87-20824. Rise down pole #87-20824. Turn southeast bore fiber 175'. Place new charter ped. Turn Southwest and bore 70' out of the right of way. This route has been revised, see sheet 14.

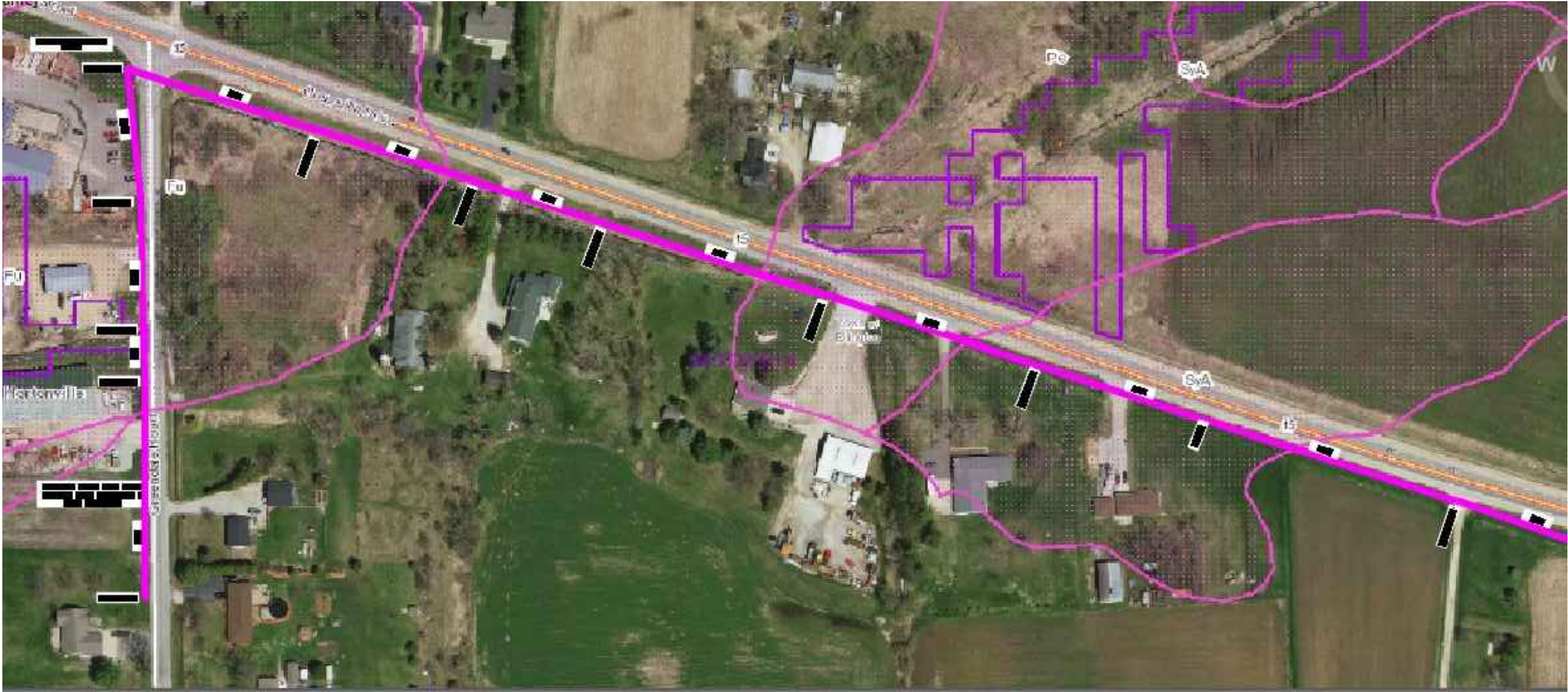


CHARTER  
COMMUNICATIONS  
PROPOSED UNDERGROUND  
FIBER

CHARTER  
COMMUNICATIONS  
PROPOSED OVERLASH  
AERIAL FIBER

CONTRACT ENGINEER  
TODD WECH  
(920) 539-9212 (MOBILE)  
(920) 288-8933 (OFFICE)

CHARTER COMMUNICATIONS  
RUDI RUDIGER  
(715)204-5339



**mi-TECH**  
(920)665-8018  
GREEN BAY, BROWNSVILLE,  
NEW BERLIN & MINNEAPOLIS

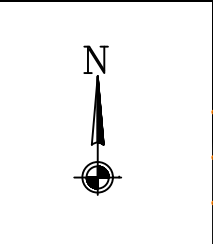
LEGEND			
NEW JOINT POLE	ANCHOR	MANHOLE	GROUND
NEW POWER POLE	NEW ANCHOR	EXISTING FIBER COIL	NEW GROUND
TELEPHONE POLE	JOINT ANCHOR	NEW FIBER COIL	PROPERTY LINE
NEW TELEPHONE POLE	NEW JOINT ANCHOR	EXISTING HAND HOLE	ROADWAY CENTERLINE
EXISTING PEDESTAL	FOREIGN ANCHOR	NEW HAND HOLE	FIBER WARNING SIGN
	DOWNGUY	SHRUBS	TRAFFIC LIGHT
	NEW DOWNGUY	DECIDUOUS TREE	HYDRANT
	UTILITY VALVE		SIGNS
			STREET LIGHT
			CONIFEROUS TREE

LINETYPES	
PROPOSED FIBER	
PROPOSED STRAND	
GAS	
WATER	
ELECTRICAL	
STORM	
SANITARY	
CABLE TV	
TELEPHONE	

PROJECT #811890  
PERMIT I.D. #811890STATE

**Charter**  
COMMUNICATIONS

3520 E DESTINATION DR  
APPLETON, WI 54915



ADDRESS N2484 GREENVILLE DR		LOCATION HORTONVILLE, WI	
FIELD BY:	DATE:		
DRAFTED BY: MLP	DATE: 9/10/2018		
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		



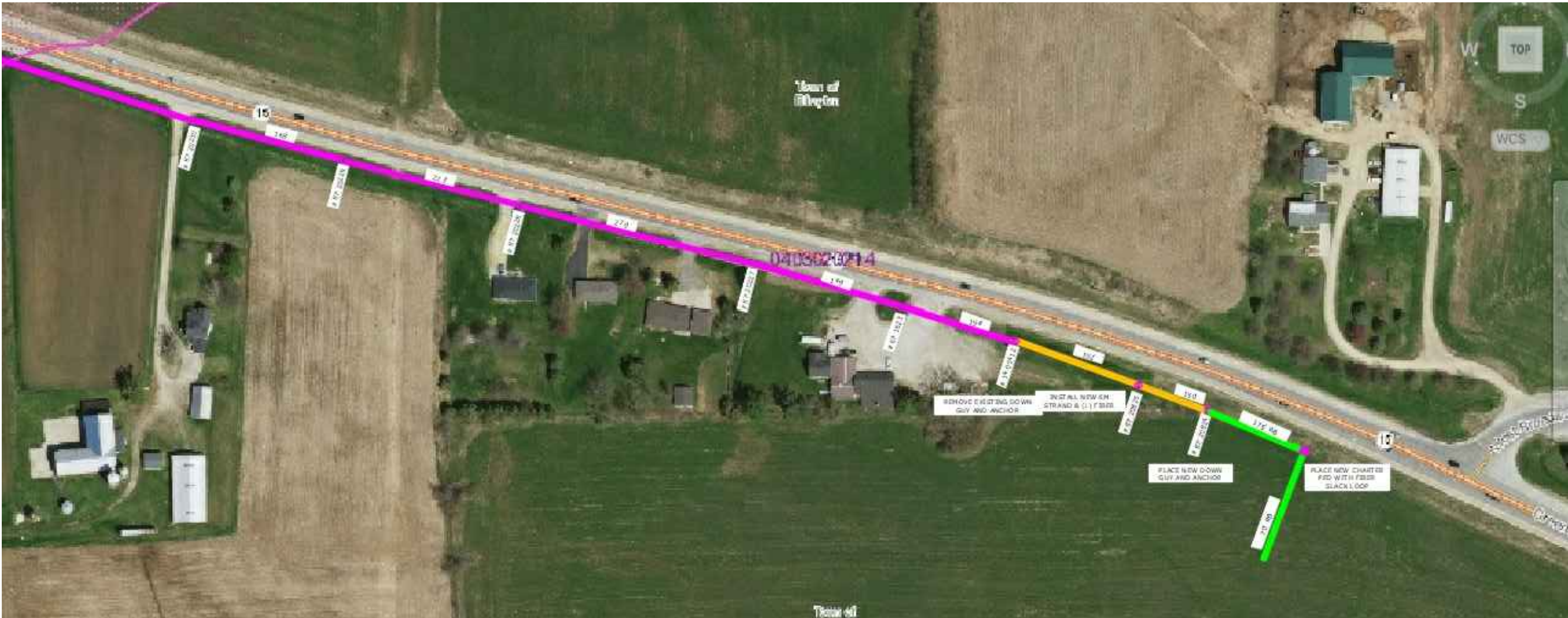
CHARTER COMMUNICATIONS  
PROPOSED UNDERGROUND  
FIBER

CHARTER COMMUNICATIONS  
PROPOSED NEW AERIAL  
FIBER

CHARTER COMMUNICATIONS  
PROPOSED OVERLASH  
FIBER

CONTRACT ENGINEER  
TODD WECH  
(920) 539-9212 (MOBILE)  
(920) 288-8933 (OFFICE)

CHARTER COMMUNICATIONS  
RUDI RUDIGER  
(715)204-5339



**mi-TECH**  
(920)665-8018  
GREEN BAY, BROWNSVILLE,  
NEW BERLIN & MINNEAPOLIS

LEGEND

- |                      |                  |                     |                    |
|----------------------|------------------|---------------------|--------------------|
| ⊗ JOINT POLE         | ANCHOR           | MANHOLE             | GROUND             |
| ⊙ NEW JOINT POLE     | NEW ANCHOR       | EXISTING FIBER COIL | NEW GROUND         |
| ⊗ POWER POLE         | JOINT ANCHOR     | NEW FIBER COIL      | PROPERTY LINE      |
| ⊗ NEW POWER POLE     | NEW JOINT ANCHOR | EXISTING HAND HOLE  | ROADWAY CENTERLINE |
| ○ TELEPHONE POLE     | FOREIGN ANCHOR   | NEW HAND HOLE       | FIBER WARNING SIGN |
| ⊙ NEW TELEPHONE POLE | NEW DOWNGUY      | SHRUBS              | TRAFFIC LIGHT      |
| ⊗ EXISTING PEDESTAL  | UTILITY VALVE    | DECIDUOUS TREE      | HYDRANT            |
| ⊙ NEW PEDESTAL       |                  |                     | SIGNS              |
|                      |                  |                     | STREET LIGHT       |
|                      |                  |                     | CONIFEROUS TREE    |

LINETYPES

- |                 |     |
|-----------------|-----|
| PROPOSED FIBER  | --- |
| PROPOSED STRAND | --- |
| GAS             | --- |
| WATER           | --- |
| ELECTRICAL      | --- |
| STORM           | --- |
| SANITARY        | --- |
| CABLE TV        | --- |
| TELEPHONE       | --- |

PROJECT #811890  
PERMIT I.D. #811890STATE  
**Charter**  
COMMUNICATIONS  
3520 E DESTINATION DR  
APPLETON, WI 54915



ADDRESS		LOCATION		
N2484 GREENVILLE DR		HORTONVILLE, WI		
FIELD BY:	DATE:		1	
DRAFTED BY:	DATE:		2	
DESIGNED BY:	DATE:		3	
ASBUILTS BY:	DATE:			

(NOTES 1–6 APPLIES TO ALL WORK)  
(NOTES SHOWN ON DRAWING PLACED WITH A BOX AROUND THEM)

GENERAL NOTES:

- 1. ALL OF THE PERMIT CONDITIONS WILL BE MET DURING CONSTRUCTION OF THE PROJECT
- 2. NO STOCKPILING SPOILS ON ROADWAYS OR ON SHOULDER
- 3. IF ANY SPILLS(EX. GAS, OIL, HYDRAULIC FLUID) OCCUR ON SITE, STOP WORK AND CONTACT SUPERVISOR IMMEDIATELY

CONTAMINATED SOILS:

- 4. WHENEVER SOIL EXHIBITING OBVIOUS SIGNS OF CONTAMINATION IS ENCOUNTERED DURING EXCAVATION OR INSTALLATION, CEASE WORK IMMEDIATELY, TAKE APPROPRIATE IMMEDIATE PRECAUTIONS TO ENSURE WORKER HEALTH AND SAFETY, AND CONTACT OPERATIONS SUPERVISOR OR INSPECTOR.

EROSION CONTROL & DEWATERING:

- 5. EROSION CONTROL MEASURES WILL MEET OR EXCEED THE APPROVED WDNR STORM WATER MANAGEMENT TECHNICAL STANDARDS AS OUTLINED IN :  
[HTTP://DNR.WI.GOV/RUNOFF/STORMWATER/TECHSTDS.HTM](http://dnr.wi.gov/runoff/stormwater/techstds.htm).
- 6. DURING WINTER NO STOCKPLILING SPOILS ON GROUND

DEWATERING:

- 7. DEWATERING OF PITS OR TRENCHES SHALL BE DONE IN ACCORDANCE WITH STATE STANDARDS. USE AN APPROVED SEDIMENT BAG, A STRAW BALE DEWATERING BASIN, A COMBINATION OF BOTH, OR EQUIVALENT

WETLANDS:



- 8. NO WORK WILL BE PERFORMED WITHIN THE BANKS OR BELOW THE ORDINARY HIGH WATERMARK OF THE UNNAMED WATERWAY OR TRIBUTARIES
- 9. AS MUCH AS PRACTICABLE, THE MAJORITY OF WORK WILL BE STAGED FROM THE PUBLIC ROADWAYS AND ROAD SHOULDERS, KEEPING EQUIPMENT OUT OF ADJACENT WETLANDS
- 10. ALL WORK WILL BE CONDUCTED TO MINIMIZE SOIL DISTURBANCE. NO RUTTING WILL BE ALLOWED WITHIN THE WETLANDS
- 11. IF SOILS ARE NOT FROZEN OR STABLE TO A POINT THAT AVOIDS RUTTING, TIMBER MATS, MUD TRACKS, OR EQUIVALENT WILL BE UTILIZED TO ACCESS POLE LOCATIONS
- 12. EXCAVATED SPOILS WILL NOT BE STOCKPILED IN WETLANDS
- 13. ALL EXCESS SPOILS WILL BE REMOVED FROM WETLANDS AND PLACED IN A SUITABLE UPLAND LOCATION
- 14. TRENCHING AND PIT EXCAVATIONS WITHIN WETLANDS WILL INCLUDED SOIL SEGREGATION TO FACILITATE RESTORATION OF PRE–CONSTRUCTION SOIL STRATIFICATION, AND RESTORATION TO PRE–CONSTRUCTION ELEVATIONS.
- 15. ANY POLES SCHEDULED TO BE REMOVED, AND THAT OCCUR WITHIN WETLAND WILL BE CUT AT GROUND SURFACE
- 16. IF SOIL DISTURBANCE OCCURS ON SLOPES LEADING TO WETLANDS, OR WITHIN WETLAND, THE DISTURBED AREAS WILL BE STABILIZED AND APPROPRIATE EROSION CONTROL BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED

WATERWAYS:

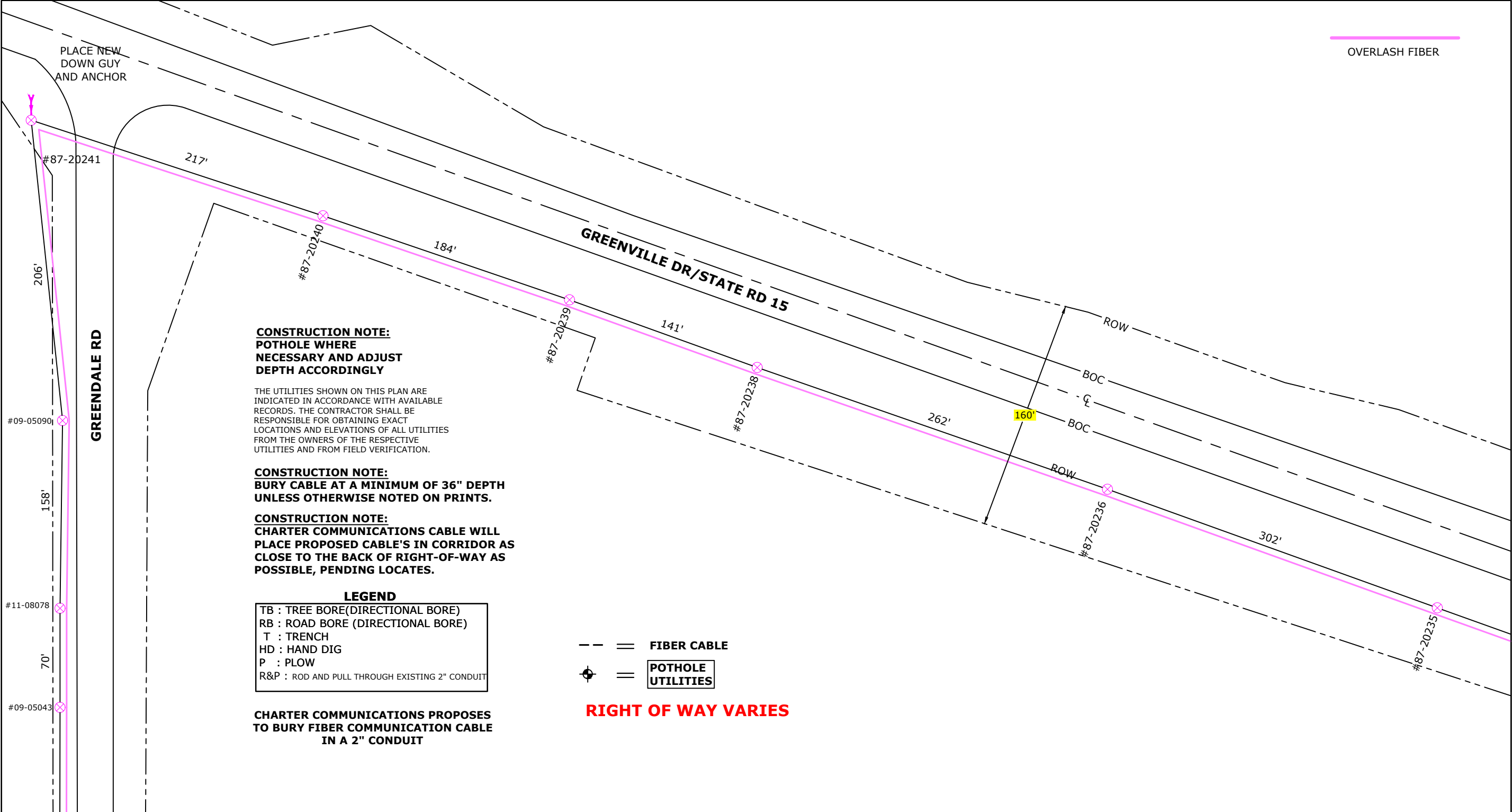
- 17. NO WORK CAN BE PERFORMED WITHIN THE BANKS OR BELOW THE ORDINARY HIGH WATERMARK OF ANY NAVIGABLE WATERWAY OR STREAM
- 18. NO CROSSING OF NAVIGABLE WATERWAYS WITH EQUIPMENT CAN OCCUR.
- 19. ANY SOIL BEING DISTURBED WITHIN 75 FEET OF AN ORDINARY HIGH WATER MARK OF ANY NAVIGABLE WATERWAY OR STREAM TO BE STABILIZED WITHIN 24 HOURS OF CONSTRUCTION COMPLETION


FRAC–OUT CONTINGENCY PLAN

- 20. PLEASE SEE FRAC–OUT CONTINGENCY PLAN FOR ANY BORING BEING PERFORMED

 <p>(920)465-8018 GREEN BAY, BROWNSVILLE, NEW BERLIN &amp; MINNEAPOLIS</p>	LEGEND										LINETYPES										PROJECT #811890 PERMIT I.D. #811890STATE											ADDRESS N2484 GREENVILLE DR		LOCATION HORTONVILLE, WI						
	NEW JOINT POLE		ANCHOR	MANHOLE	NEW GROUND		PROPERTY LINE	ROADWAY CENTERLINE			PROPOSED FIBER		PROPOSED STRAND		GAS		WATER		ELECTRICAL		STORM		SANITARY		CABLE TV		TELEPHONE		FIELDED BY:			DATE:				3				
	NEW POWER POLE		JOINT ANCHOR	EXISTING FIBER COIL	FIBER WARNING SIGN		TRAFFIC LIGHT	HYDRANT		NEW FIBER COIL		EXISTING HAND HOLE		NEW HAND HOLE		SHRUBS		DECIDUOUS TREE		NEW JOINT ANCHOR		NEW DOWNGUY		UTILITY VALVE		CONIFEROUS TREE		DRAFTED BY:		DATE:		9/10/2018				4				
	TELEPHONE POLE		FOREIGN ANCHOR	EXISTING FIBER COIL	FIBER WARNING SIGN		TRAFFIC LIGHT	HYDRANT		NEW FIBER COIL		EXISTING HAND HOLE		NEW HAND HOLE		SHRUBS		DECIDUOUS TREE		NEW JOINT ANCHOR		NEW DOWNGUY		UTILITY VALVE		CONIFEROUS TREE		DESIGNED BY:		DATE:						5				
	NEW TELEPHONE POLE		FOREIGN ANCHOR	EXISTING FIBER COIL	FIBER WARNING SIGN		TRAFFIC LIGHT	HYDRANT		NEW FIBER COIL		EXISTING HAND HOLE		NEW HAND HOLE		SHRUBS		DECIDUOUS TREE		NEW JOINT ANCHOR		NEW DOWNGUY		UTILITY VALVE		CONIFEROUS TREE		ASBULTS BY:		DATE:										







(920) 665-8018  
GREEN BAY, BROWNSVILLE,  
NEW BERLIN & MINNEAPOLIS


LEGEND

NEW JOINT POLE	ANCHOR	MANHOLE	GROUND
NEW POWER POLE	NEW ANCHOR	EXISTING FIBER COIL	NEW GROUND
TELEPHONE POLE	JOINT ANCHOR	NEW FIBER COIL	PROPERTY LINE
NEW TELEPHONE POLE	NEW JOINT ANCHOR	EXISTING HAND HOLE	ROADWAY CENTERLINE
EXISTING PEDESTAL	FOREIGN ANCHOR	NEW HAND HOLE	FIBER WARNING SIGN
	DOWNGUY	SHRUBS	TRAFFIC LIGHT
	NEW DOWNGUY	DECIDUOUS TREE	HYDRANT
	UTILITY VALVE		SIGNS
			STREET LIGHT
			CONIFEROUS TREE

LINETYPES


PROPOSED FIBER	---
PROPOSED STRAND	---
GAS	---
WATER	---
ELECTRICAL	---
STORM	---
SANITARY	---
CABLE TV	---
TELEPHONE	---

PROJECT #811890  
PERMIT I.D. #811890STATE



3520 E DESTINATION DR  
APPLETON, WI 54915

N



ADDRESS	N2484 GREENVILLE DR		LOCATION	HORTONVILLE, WI	
FIELD BY:	DATE:			4	
DRAFTED BY:	DATE:			5	
DESIGNED BY:	DATE:			6	
ASBUILTS BY:	DATE:				



**REVISED**  
12:40 pm, Sep 25, 2018

- OVERLASH FIBER
- NEW AERIAL FIBER
- NEW UG FIBER

**CONSTRUCTION NOTE:**  
**POTHOLE WHERE NECESSARY AND ADJUST DEPTH ACCORDINGLY**

THE UTILITIES SHOWN ON THIS PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES FROM THE OWNERS OF THE RESPECTIVE UTILITIES AND FROM FIELD VERIFICATION.

**CONSTRUCTION NOTE:**  
**BURY CABLE AT A MINIMUM OF 36" DEPTH UNLESS OTHERWISE NOTED ON PRINTS.**

**CONSTRUCTION NOTE:**  
**CHARTER COMMUNICATIONS CABLE WILL PLACE PROPOSED CABLE'S IN CORRIDOR AS CLOSE TO THE BACK OF RIGHT-OF-WAY AS POSSIBLE, PENDING LOCATES.**

**LEGEND**

- TB : TREE BORE(DIRECTIONAL BORE)
- RB : ROAD BORE (DIRECTIONAL BORE)
- T : TRENCH
- HD : HAND DIG
- P : PLOW
- R&P : ROD AND PULL THROUGH EXISTING 2" CONDUIT

**CHARTER COMMUNICATIONS PROPOSES TO BURY FIBER COMMUNICATION CABLE IN A 2" CONDUIT**

- FIBER CABLE
- ⊕ POTHOLE UTILITIES

**RIGHT OF WAY VARIES**

REMOVE EXISTING DOWN GUY AND ANCHOR

INSTALL NEW 6M STRAND & (1) FIBER

PLACE NEW DOWN GUY AND ANCHOR

PLACE NEW CHARTER PED

BURY UG FIBER 6' DEEP IN RIGHT OF WAY

**CHRYSLER WORLD  
N2484 GREENVILLE DR  
HORTONVILLE, WI**

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NEW BERLIN & MINNEAPOLIS

**LEGEND**

- NEW JOINT POLE
- NEW POWER POLE
- TELEPHONE POLE
- NEW TELEPHONE POLE
- EXISTING PEDESTAL

- ANCHOR
- NEW ANCHOR
- JOINT ANCHOR
- NEW JOINT ANCHOR
- FOREIGN ANCHOR
- DOWNGUY
- NEW DOWNGUY
- UTILITY VALVE

- MANHOLE
- EXISTING FIBER COIL
- NEW FIBER COIL
- EXISTING HAND HOLE
- NEW HAND HOLE
- SHRUBS
- DECIDUOUS TREE

- GROUND
- NEW GROUND
- PROPERTY LINE
- ROADWAY CENTERLINE
- FIBER WARNING SIGN
- TRAFFIC LIGHT
- HYDRANT
- SIGNS
- STREET LIGHT
- CONIFEROUS TREE

**LINETYPES**

- PROPOSED FIBER
- PROPOSED STRAND
- GAS
- WATER
- ELECTRICAL
- STORM
- SANITARY
- CABLE TV
- TELEPHONE

PROJECT #811890  
PERMIT I.D. #811890STATE

**Charter**  
COMMUNICATIONS

3520 E DESTINATION DR  
APPLETON, WI 54915



ADDRESS

N2484 GREENVILLE DR

FILED BY: DATE:

DRAFTED BY: DATE:

MLP 9/10/2018

DESIGNED BY: DATE:

ASBUILTS BY: DATE:

LOCATION

HORTONVILLE, WI

6

7

**From:** Tekler, Lindsay M - DNR  
**To:** [Michele Peterson](#)  
**Subject:** RE: Charter Communications Proposed route #811890  
**Date:** Friday, September 07, 2018 3:25:23 PM  
**Attachments:** [image001.png](#)  
[811890 DNR Description.pdf](#)  
[811890 DNR Map.pdf](#)

---

Hi Michele,

Thank you for contacting the WDNR Office of Energy regarding your utility project and potential resource impacts.

The attached project, and as described below, will not require a waterway permit under Chapter 30 (Wis. Statutes), or a wetland permit under Chapter 281.36 (Wis. Statutes).

Please note that this determination did not include a review for approvals or permits needed for:

- [Cultural/archaeological/historical resources](#),
- [state threatened or endangered species](#),
- [state stormwater/erosion control permitting](#),
- [state wastewater permitting](#),
- [state water use permitting](#), or
- easements needed for crossing of [WDNR property](#) (state lands, state trails, etc.)

Please contact me if your plans change, or if you have any questions.

Thanks!

Lindsay Tekler  
Energy Project Liaison  
Office of Energy - <https://dnr.wi.gov/topic/Sectors/Energy.html>  
Wisconsin Department of Natural Resources  
Mobile: (608) 535-2602  
[Lindsay.Tekler@wisconsin.gov](mailto:Lindsay.Tekler@wisconsin.gov)

---

**From:** Michele Peterson <mpeterso@mi-tech.us>  
**Sent:** Thursday, September 06, 2018 10:00 AM  
**To:** Tekler, Lindsay M - DNR <Lindsay.Tekler@wisconsin.gov>  
**Subject:** Charter Communications Proposed route #811890

Let's try this again.  
Thanks

Hi Lindsay,



Charter Communications proposes to overlash 3582' of existing fiber strand between pole #81-22034 & pole #14-05412. Install new 6M strand and (1) fiber 342' from pole #14-05412 to pole #87-20824. Rise down pole #87-20824. Turn southeast bore fiber 175'. Place new charter ped. Turn Southwest and bore 70' out of the right of way. Please let me know if you have any questions.

The location for the buried fiber & ped were revised 9/25/2018.

Thank you

**Michele Peterson** | CAD Technician

**Mi-Tech Services Inc.**

office: 920.924.3690 x3528 |

[mpeterso@mi-tech.us](mailto:mpeterso@mi-tech.us) | [www.mi-tech.us](http://www.mi-tech.us)

46 S. Rolling Meadows Drive

Fond du Lac, WI 54937



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Surface Water Data Viewer Map

**Legend**

**Wetland Identifications and Confirmations**

**Wetland Class Points**

- Dammed point
- Excavated pond
- Filled excavated pond
- Filled/ditched wetland
- Wetland too small to delineate

**Filled Points**

**Wetland Class Areas**

- Wetland
- Upland

**Filled Areas**

**Wetland Class Points**

- Dammed point
- Excavated pond
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- Wetland too small to delineate

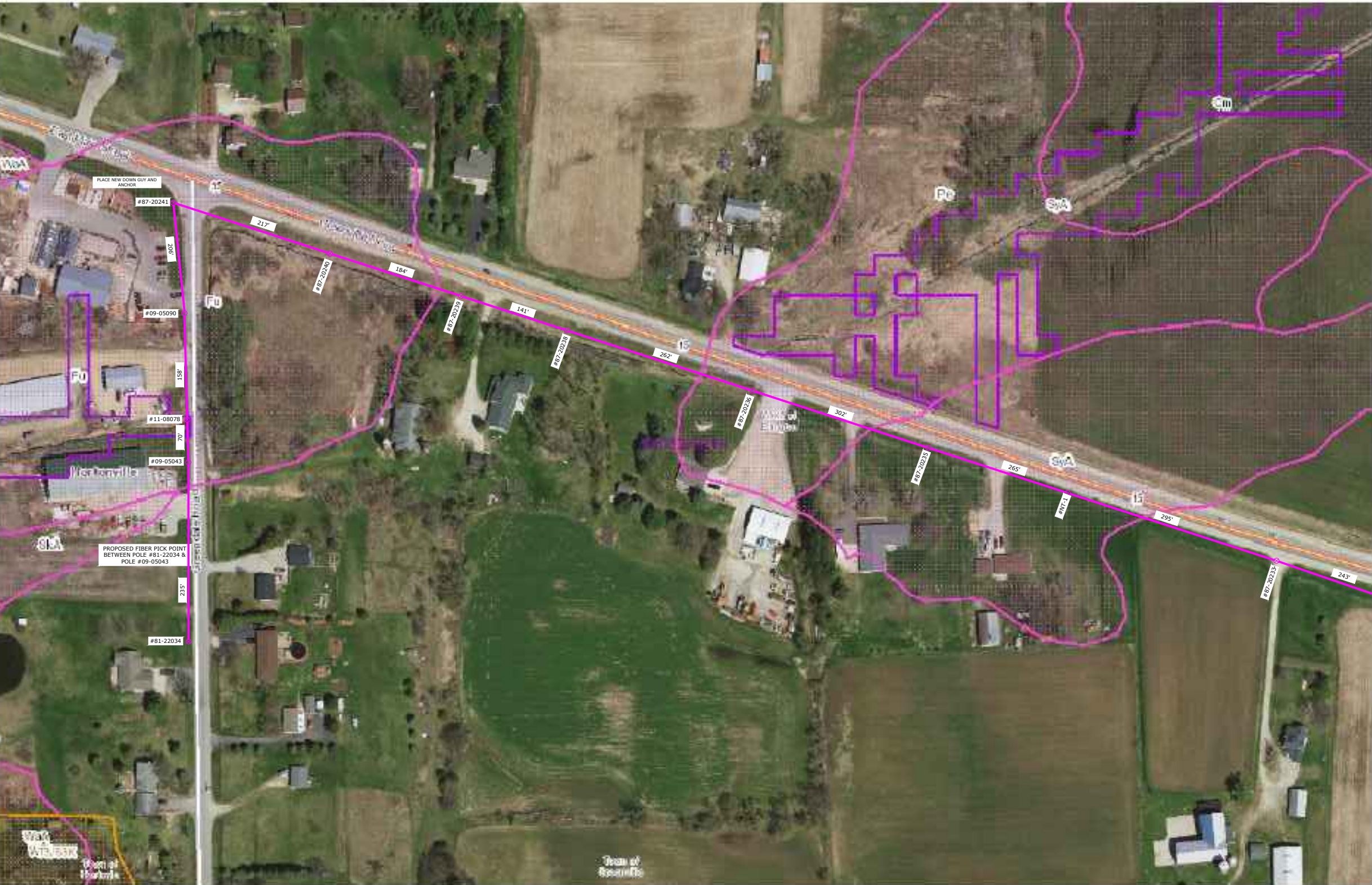
**Filled Points**

**Wetland Class Areas**

- Wetland
- Upland

**Filled Areas**

- NRCS Wetspots
- Maximum Extent Wetland Indicators
- Minimum Extent Wetland Indicators
- 10-digit HUCs (Watersheds)
- Municipality
- State Boundaries
- County Boundaries
- Major Roads
  - Interstate Highway
  - State Highway
  - US Highway
- County and Local Roads
  - County HWY
  - Local Road
- Railroads
- Tribal Lands
- Rivers and Streams
- Intermittent Streams
- Lakes and Open water
- Index to EN\_Image\_Basemap\_Leaf\_Off



0.1 0 0.03 0.1 Miles

1:1,980

NAD 1983 HARN Wisconsin TM

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**Notes**

PROPOSED CHARTER COMMUNICATIONS AERIAL FIBER





Surface Water Data Viewer Map



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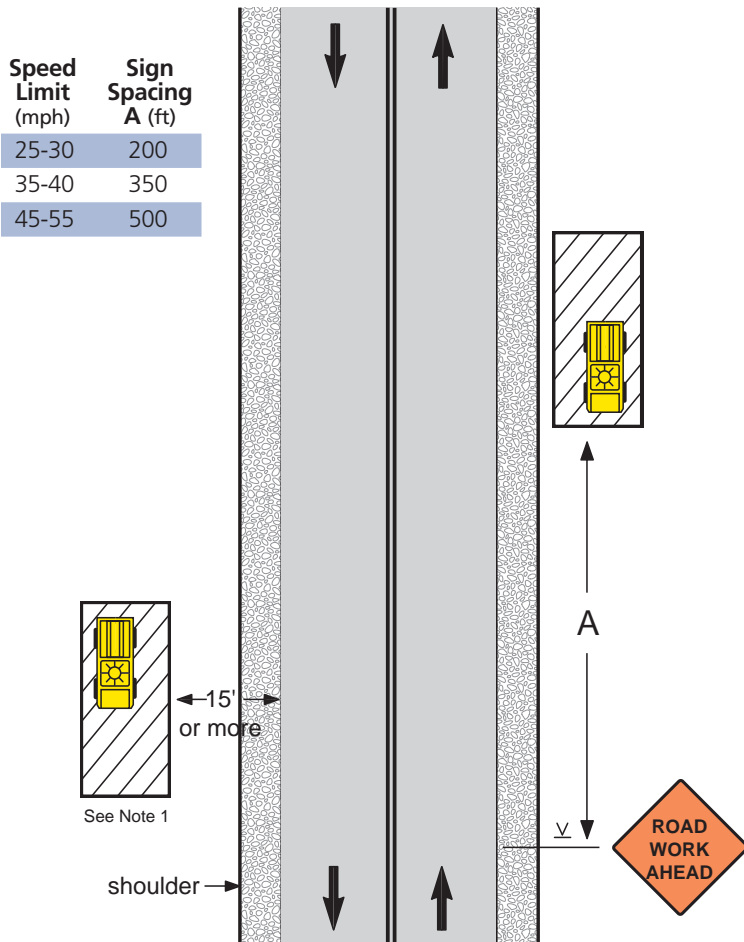
Notes

- PROPOSED CHARTER COMMUNICATIONS OVERLASH AERIAL FIBER
- CHARTER COMMUNICATIONS PROPOSED UNDERGROUND FIBER
- PROPOSED CHARTER COMMUNICATIONS NEW AERIAL FIBER

Legend

- Wetland Identifications and Confirmations
  - Wetland Class Points
    - Dammed pond
    - Excavated pond
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    - Filled/ditched wetland
    - Wetland too small to delineate
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- Index to EN\_Image\_Basemap\_Leaf\_Off

## Work Beyond the Shoulder

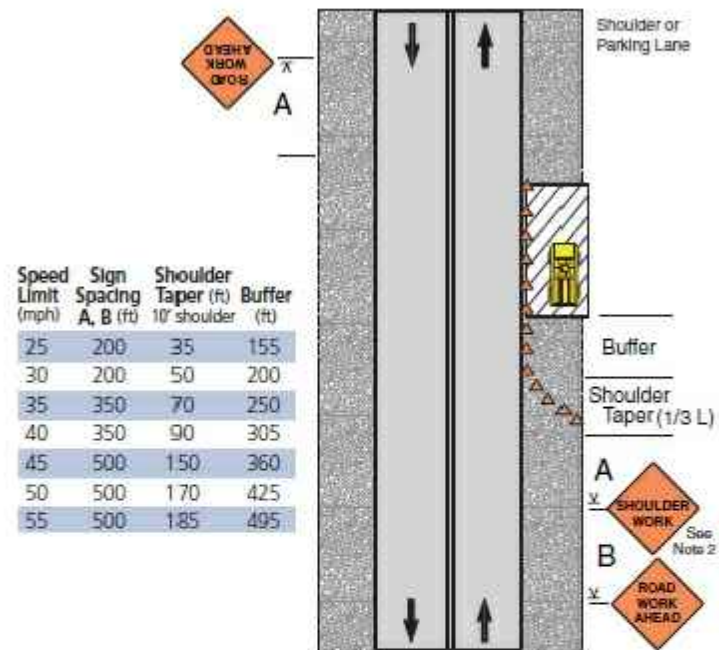


### Notes

1. The warning sign may be omitted where the work area is behind a guard rail, more than 2' behind a curb, 30' or more from the edge of a freeway/expressway, or 15' or more from the edge of any other roadway.
2. For short-term, short-duration, or mobile operations, the warning sign may be omitted if a vehicle with activated high intensity light is used. On state trunk highways, the warning sign can be omitted if the duration of work is less than 60 minutes and activated high intensity lights are used.
3. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as SHOULDER WORK, UTILITY WORK AHEAD, SURVEY CREW or Workers.



### Work on Shoulder or Parking Lane



#### Notes

1. Encroachment into the traffic lane is allowable, but a 10-foot minimum travel lane width should be maintained. A lane closure should be considered if there is encroachment on roads with speeds greater than 35 mph, or for other conditions where workers, equipment, or the work activity would benefit from the lateral buffer (see pages 22 and 23).
2. If there is encroachment into the traffic lane, a ROAD NARROWS sign may be used instead of SHOULDER WORK. For roads with low volume, the SHOULDER WORK or ROAD NARROWS sign can be omitted.
3. For short duration work (60 minutes or less), the channelizing devices may be omitted if a vehicle with activated high intensity lights is used. For short duration work with no lane encroachment, the signs may also be omitted.
4. Workers, UTILITY WORK AHEAD, SHOULDER WORK AHEAD, or SURVEY CREW signs may be used instead of SHOULDER WORK or ROAD WORK AHEAD.
5. When work area is at least 2' from traffic lane on roads with low volume and speeds of 35 mph or less, the sign on opposite side can be omitted.

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#### LEGEND

NEW JOINT POLE	ANCHOR	MANHOLE	GROUND
NEW POWER POLE	NEW ANCHOR	EXISTING FIBER COIL	NEW GROUND
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#### LINETYPES

PROPOSED FIBER	---
PROPOSED STRAND	---
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CABLE TV	---
TELEPHONE	---

PROJECT #811890  
PERMIT I.D. #811890STATE

**Charter**  
COMMUNICATIONS  
3520 E DESTINATION DR  
APPLETON, WI 54915



ADDRESS  
N2484 GREENVILLE DR

FIELD BY: DATE:

DRAFTED BY: DATE:  
MLP 9/10/2018

DESIGNED BY: DATE:

ASBUILTS BY: DATE:

LOCATION  
HORTONVILLE, WI

2

3

4