



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: 2018368

1. Charter is not allowed on parcel 38 (Bee Hive Tavern) until the raze/removal of the building is completed as part of Project 6430-12-72. The date for completing the raze/removal is currently estimated to be 5/1/19.
2. Several archaeological sites are in proximity to proposed utility work. Utility can contact Chip Brown, WHS, 608.264.6508 or chip.brown@wisconsinhistory.org. Contamination present in WIS 76/County JJ intersection. Contact Andrew James (WDNR) for more info: 920-662-5149 or Andrew.James@wisconsin.gov
3. Stay a min of 10' from all DOT lighting, or as close to ROW as possible.
4. If encroaching over the travel way edgeline by more than a foot with the shoulder closure, a lane closure with flagging operations needs to be utilized instead.
5. (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.
6. (HMM 09-15-45-3.2) Manual tracking is prohibited over traffic lanes. The bore head can be tracked up to the shoulder edge or back of curb.
7. The depth of bury for underground facilities crossing the right of way shall be a minimum of 36 inches as measured from a straight line connecting the lowest points of the finished ground or pavement surface on each side of the right of way to the top of the facility at the time of installation.
8. The depth of bury for underground facilities in the right of way shall be a minimum of 36 inches as measured from the finished ground surface to the top of the facility at the time of installation.
9. (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.
10. (HMM 09-15-25-2.2) Facilities crossing over the highway shall at no time be less than 17 feet above the high point of the traveled way.
11. (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 3520 E. Destination Dr. Appleton, WI 54915		2. Work Start Date 4/1/2019 4/1/2018	3. Work Finish Date★ 9/19/2019	6. Location Description (¼ section, section, town, range; provide plat and/or location maps) T19N - R16E - SEC:1, 2, 11, 12, 35, 36	
4. Is the work due to a WisDOT highway project? ☒ Yes ☐ No		5. Applicant Work Order (If any) 124031		7. Work Location (List all that apply) Town: <u>Vinland</u> Village: _____ City: _____ County: <u>Winnebago</u>	
9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.) ☒ Comm: _____ ☐ Electric: _____ ☐ Gas/Oil: _____ ☐ Water: _____ ☐ Sewer: _____ ☐ Casing: _____ ☒ Conduit: _____ ☐ : _____ ☐ Transmission ☐ Service ☒ Distribution ☐ Service (ESCP)		12. Proposed Work Methods (Check all that apply) ☐ Trench ☐ Plow ☐ Place fill ☐ Rock blasting ☒ Place cable ☐ Open cut in conduit pavement ☐ Hand/mechanical excavation Bore: ☐ Hydraulic (Auger/Jack/Tunnel) ☐ Pneumatic (Mole) ☒ Directional 1 (Manually tracked) ☐ Directional 2 (Computer tracked) ☐ Unknown (At this time)		8. Highway (List all that apply) WIS: <u>76</u> US: _____ Interstate: _____	
10. Facility Orientation (Check all that apply) ☒ Underground ☒ Overhead ☒ Crossing ☒ Parallel ☐ OSOW high clearance route ☐ Structure attachment ☐ Scenic easement (Off right-of-way)		Install or attach to poles/towers: ☒ New ☒ Existing ☒ Guys (~Diameter) (Name of existing owner) (Provide details for all guy-wires on plan sheets) Pothole (Subsurface excavation): ☐ Air ☒ Water Tree/vegetation control: ☐ Trim (Prune) ☐ Plant ☐ Remove (Cut) ☐ Mow ☐ Chemically treat		13. Work Zone Description (Check all that apply). (Provide relevant diagram(s) with application.) ☐ Not applicable ☐ Full road closure: detour ☐ Full road closure: temporary ☐ Lane closure: without flagging ☐ Lane closure: with flagging ☒ Lane encroachment (2 feet or less) ☐ Intersection/roundabout ☒ Shoulder/parking lane closure ☐ Railroad crossing Freeway/expressway location ☐ Off shoulder: < 30' off white line ☐ Off shoulder: ≥ 30' off white line ☒ Near right-of-way line or fence Non-freeway/expressway location ☐ Off shoulder: < 15' off white line ☐ Off shoulder: ≥ 15' off white line ☐ Back of curb: < 2' behind ☐ Back of curb: ≥ 2' behind	
11. Work Types (Check all that apply) ☒ New facility ☒ Remove ☒ Joint install ☐ Maintenance ☒ Improve or repair existing ☐ Discontinue, left in place		14. Is the facility near a survey monument? If yes, provide a HMM 09-15-35 email geodetic@dot.wi.gov. ☐ Yes ☒ No 15. Will appurtenances be installed with the facility? If yes, provide a description and/or specification for each item. ☐ Yes ☒ No 16. Trans 401 project designation? If Major, provide a formal erosion control plan. HMM 09-15-55 ☐ Major ☒ 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. ☐ Yes ☒ 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 Vince Albin	Telephone Number (920) 831-9249	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 <u>Utility Accommodation Policy</u> , current edition.
19. Utility or Project 24/7 Emergency Contact TWC 24 HR Dispatch	Telephone Number 800-644-8328	
20. Provide company name and address of utility authorized representative if not employed by the applicant. Darrell Gore Mi-Tech Services 4125 N 124th St. Brookfield, WI 53005		<i>Darrell Gore</i> (Utility Authorized Representative Signature – If filled via computer, brush script font) 10/19/2018 (Date) 262-649-5386 OSP Designer X2504 dgore@mi-tech.us (Title) (Telephone Number) (Email Address)
21. Provide additional work details, if needed (use back page or include separate pages)		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.

For Wisconsin Department of Transportation Use Only

☒ UTILITY SHALL NOTIFY WISDOT REPRESENTATIVE LISTED BELOW 3 DAYS BEFORE STARTING ANY WORK: Region contact, office address, telephone number and email address Linda Skaleski WisDOT, Northeast Region 944 Vanderperren Way Green Bay, WI 54304 920-492-4166 dotdtsdneutilitycoordination@dot.wi.gov	☒ Review All Supplemental Permit Provisions ☒ Revisions Made to Drawings or Other Pages ☒ Lane Closure System notification required HMM 09-15-60 ☐ Insurance or performance bond required ☐ Joint installation: See permit(s) # _____ ☐ Private utility (Non-public ownership and/or use) ☐ Expedited Service Connection Permit ☐ This permit voids & supersedes # _____ issued: _____ ☐	Application Received 10/23/2018 Application Completed 1/14/2019 Permit Issued 1/16/2019 Permit Extended Permit Amended	
	6430-12-71	Digitally signed by Linda K. Skaleski Date: 2019.01.17 13:22:49 -06'00'	Permit Number 2018368
	(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.

INDEX

COVER
EROSION
FRAC-OUT PLAN
TRAFFIC:
PEDESTALS USED

DESIGN

LOCATION - (PAGES)
(STH 76) - (1 THRU 60)

CONSTRUCTION NOTES:

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

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.

NOTES:

1. A WISDOT PERMIT IS REQUIRED
A WINNEBAGO COUNTY PERMIT IS REQUIRED
2. RESTORE ALL DISTURBED LAWN AREAS WITH TOPSOIL AND SEED AND COMPLY WITH ANY PROVISIONS SET FORTH BY THE MUNICIPALITIES AS STATED IN THE TERMS & CONDITIONS OF THE PERMIT.
(DAY LIGHTING OF WATER, SEWER AND STORM...)
3. ANY SIDEWALKS, STREETS, AND ALLEYS THAT WILL NEED TO BE CUT OR REMOVED WILL BE PATCHED OR REPLACED IN ACCORDANCE WITH MUNICIPALITY'S SPECIFICATIONS.

FIBER INFORMATION

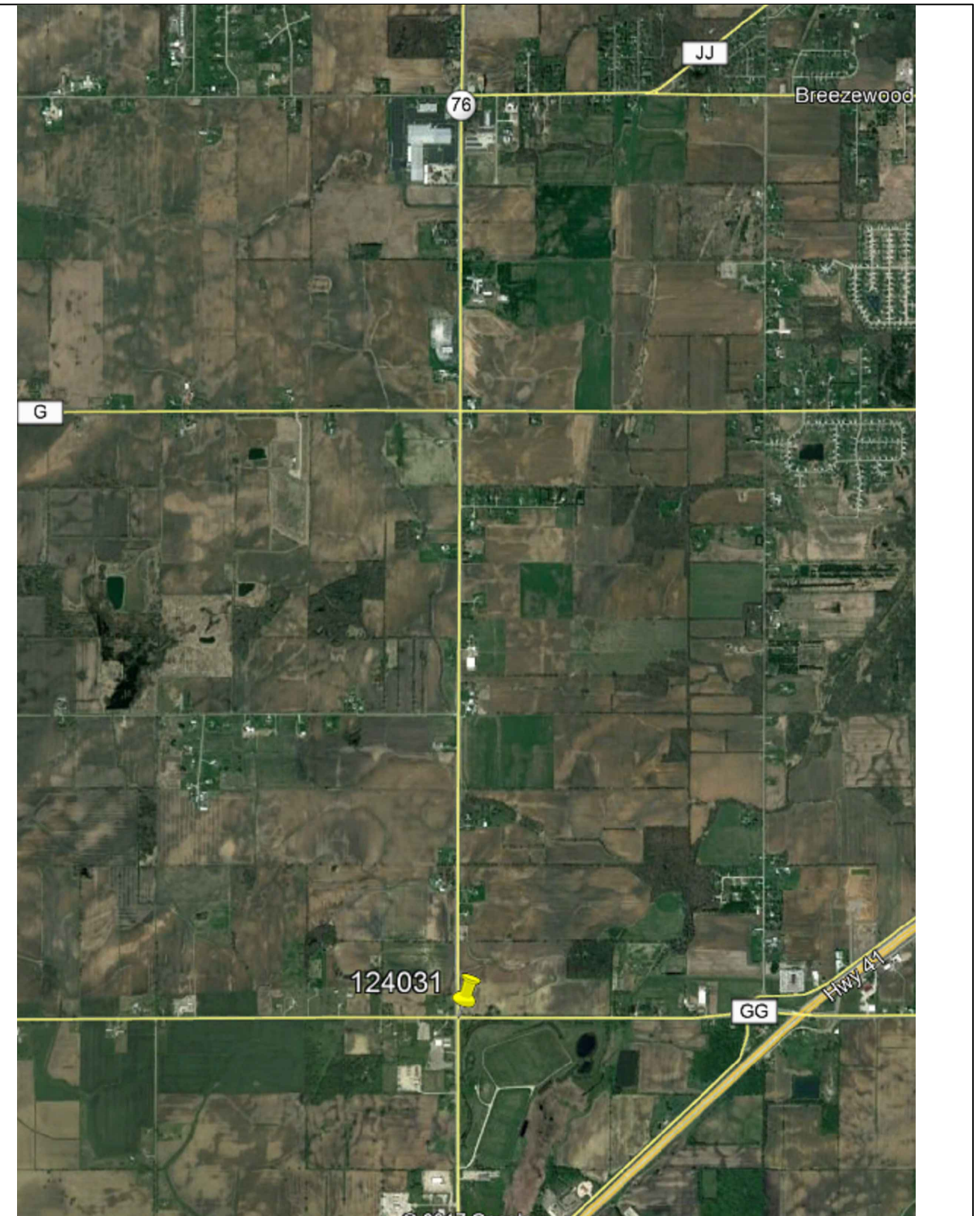
CLA FIBER:NO
~~(75' HAS BEEN ADDED FOR EACH SPLICE TAIL)~~
~~(15% HAS BEEN ADDED TO ALL TOTALS)~~

96CT TRENCH: 976'
96CT AERIAL: 4,470'
72CT TRENCH: 854'
48CT TRENCH: 1,966'
48CT AERIAL: 4,808'

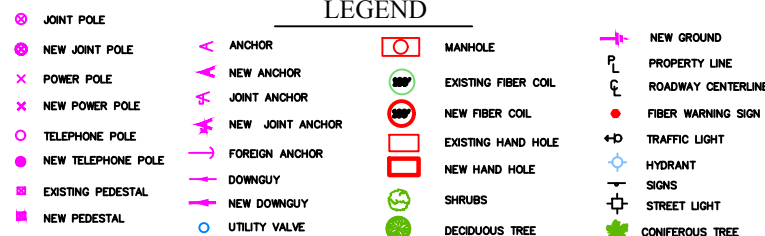
LOCATION: T19N – R16E
SEC:1, 2, 11, 12, 35, 36

WRECKOUT ALL AERIAL
SLATED FOR REMOVAL.

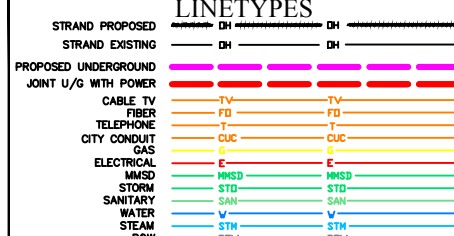
ALL PROPOSED UNDERGROUND
DEPTHS ARE FROM EXISTING GRADE.



LEGEND



LINETYPES



PROJECT #124031

Charter
COMMUNICATIONS
3520 DESTINATION DR
APPLETON, WI 54915



ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELDER BY:	DATE:		
Darrell Gore			
DRAFTED BY:	DATE:		
Darrell Gore			
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		

GENERAL WETLAND / EROSION CONTROL NOTES

- NO WORK WILL BE PERFORMED WITHIN THE BANKS OR BELOW THE ORDINARY HIGH WATERMARK OF THE UNNAMED WATERWAY OR TRIBUTARIES.
- AS MUCH AS PRACTICABLE, THE MAJORITY OF WORK WILL BE STAGED FROM THE PUBLIC ROADWAYS AND ROAD SHOULDERS, KEEPING EQUIPMENT OUT OF ADJACENT WETLANDS
- ALL WORK WILL BE CONDUCTED TO MINIMIZE SOIL DISTURBANCE. NO RUTTING WILL BE ALLOWED WITHIN THE WETLANDS
- 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
- EXCAVATED SPOILS WILL NOT BE STOCKPILED IN WETLANDS
- ALL EXCESS SPOILS WILL BE REMOVED FROM WETLANDS AND PLACED IN A SUITABLE UPLAND LOCATION.
- TRENCHING AND PIT EXCAVATIONS WITHIN WETLANDS WILL INCLUDED SOIL SEGREGATION TO FACILITATE RESTORATION OF RE-CONSTRUCTION SOIL STRATIFICATION, AND RESTORATION TO PRE-CONSTRUCTION ELEVATIONS.
- POLES SCHEDULED TO BE REMOVED, AND THAT OCCUR WITHIN WETLAND, WILL BE CUT AND GROUND SURFACE, DEWATERING OF PITS OR TRENCHES MUST BE ONE IN ACCORDANCE WITH STATE STANDARDS. USE AN APPROVED SEDIMENT BAG, A COMBINATION OF A SEDIMENT BAG AND STRAW BALE DEWATERING STRUCTURE, OR EQUIVALENT.
- ANY DISTURBED WETLAND SOIL WITHIN 75 FEET OF THE ORDINARY HIGH WATER MARK OF THE UNNAMED WATERWAY WILL BE STABILIZED WITHIN 24 HOURS OF CONSTRUCTION COMPLETION.
- 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. 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).
- ALL OF THE PERMIT CONDITIONS WILL BE MET DURING CONSTRUCTION OF THE PROJECT.



LEGEND

⊗ JOINT POLE	ANCHOR	⊗ MANHOLE	↗ NEW GROUND
⊙ NEW JOINT POLE	↖ NEW ANCHOR	⊙ EXISTING FIBER COIL	— P — PROPERTY LINE
× POWER POLE	↖ JOINT ANCHOR	⊙ NEW FIBER COIL	— CL — ROADWAY CENTERLINE
× NEW POWER POLE	↖ NEW JOINT ANCHOR	⊙ EXISTING HAND HOLE	• FIBER WARNING SIGN
○ TELEPHONE POLE	↖ FOREIGN ANCHOR	⊙ NEW HAND HOLE	⬆ TRAFFIC LIGHT
● NEW TELEPHONE POLE	↖ DOWNGUY	⊙ SHRUBS	⬆ HYDRANT
■ EXISTING PEDESTAL	↖ NEW DOWNGUY	⊙ DECIDUOUS TREE	⬆ SIGNS
■ NEW PEDESTAL	○ UTILITY VALVE	⊙ CONIFEROUS TREE	⬆ STREET LIGHT

LINE TYPES

STRAND PROPOSED	— OH —	— OH —
STRAND EXISTING	— OH —	— OH —
PROPOSED UNDERGROUND	— — — — —	— — — — —
JOINT U/G WITH POWER	— — — — —	— — — — —
CABLE TV	— TV —	— TV —
FIBER	— FD —	— FD —
TELEPHONE	— T —	— T —
CITY CONDUIT	— CUC —	— CUC —
GAS	— G —	— G —
ELECTRICAL	— E —	— E —
MMSD	— MMSD —	— MMSD —
STORM	— STD —	— STD —
SANITARY	— SAN —	— SAN —
WATER	— W —	— W —
STEAM	— STH —	— STH —
ROW	— ROW —	— ROW —

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915



ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore			
DRAFTED BY:	DATE:		
Darrell Gore			
DESIGNED BY:	DATE:		
ASBULTS BY:	DATE:		



Contractor Contingency Plan For Inadvertent Release of Non-Hazardous Drilling Fluid HD Crossings

Contractor will be utilizing an environmentally safe drilling fluid in combination with established and proven drilling techniques to minimize the potential for any adverse impact to occur to the pipe installation and surrounding area as a result of the directional drilling. The only potentially negative impact that directional drilling could have on the environment would be the inadvertent loss of drilling fluid from the bore-hole and its subsequent migration into sensitive areas. However, the use of drilling fluid is required for successful completion of the drilled crossing and there is no alternative that can be used in its place. Contractor will implement the best available measures (BACT) within the limitations of available construction technology to reduce the potential for inadvertent fluid loss to the surrounding area and ensure that if drilling fluid is inadvertently lost to the surface that any adverse environmental impact is minimized. In addition, Contractor will follow an established procedure to be used by the driller in the event drilling fluid is being noticeably lost from the bore-hole in an attempt to re-establish circulation. Contractor' field personnel undergo continuous FERC environmental training creating an environmental awareness for potential problems.

The drilling fluid is primarily used to clean drill cuttings from the bore-hole as the down-hole cutters are advanced through the ground. The fluid also serves to cool the down-hole tools, stabilize the bore-hole, and reduce friction between the ground formation and the down-hole tools and also the product line during installation. The drilling fluid typically consists of a fresh water base with an inert additive (typically bentonite clay) mixed in to provide fluid properties desirable for use in directional drilling operations. The fluid is pumped from the rig down through the drill stem and into the bore-hole as the drilling progresses at a rate of approximately 60 to 150 gallons per minute for the pilot hole, reaming, and product line installation operations. (Attachment MSDS/Information Sheet for: 1.) Max Gel, 2.) Super Gel -"X" and 3.) Quik Gel) Typical brands used by Contractor.

Depending on the porosity and permeability of the ground formation, a small percentage (typically less than 5%), of the drill fluid will be naturally absorbed by the formation. Drilling fluid lost from the bore-hole in this manner rarely migrates to the surface inadvertently and is not likely to come in contact with the ground surface or estuaries. The fluid not absorbed by the ground will fill the annulus from the bottom of the bore-hole up and will circulate back to the surface via the annulus between the drill stem and the bore-hole wall. As long as the bore-hole remains open, and a path of lesser hydraulic relief pressure is not encountered (i.e. formation fracture), circulation back to the surface will continue for the duration of the drilling and installation operation. Contractor will utilize a drill head specially designed to bore a significantly larger diameter hole than the outer diameter of the drill stem to provide adequate space for the fluid to flow up the bore-hole annulus.

The absence of an open bore-hole conduit or the presence of a major formation fracture will typically lead to partial or possibly full loss of drilling fluid circulation. While it is impossible to determine the precise nature of this type of fluid loss, it is possible to accurately monitor for it by watching for a significant difference between the rate the fluid is being pumped down-hole and the rate it returns to the surface. The drilling fluid pumping rate and the rate of drilling fluid return to the surface is constantly monitored by the driller while the drilling is progressing.

The driller will know immediately if an unusually high volume of drilling fluid is being lost down-hole, depending on the ground conditions encountered in the crossing and taking into account the volume used to fill the bore-hole. Should the driller believe that circulation is being completely lost he will implement the following procedures:

- 1) Temporarily cease drilling operations, including pump shut down;
- 2)Dispatch observer as required to monitor the area in the vicinity of the crossing, including wetland areas, for inadvertent returns of drilling fluid at the surface;
- 3)Re-start the pump and stroke the bore-hole up and down in stroke lengths up to 30 feet.

During this procedure the bore-hole will be stroked as many as 4 times but no fewer than 2 in an effort to size the bore-hole annulus and re-open the circulation pathway. In addition, the thixotropic properties of the drilling fluid may be altered (i.e. thickened) at the same time (within the guidelines set forth by the manufacturer), to aid in re-establishing circulation as required, depending on bore-hole conditions. The observers will continuously monitor for inadvertent fluid returns as long as the pump remains on. Occasionally, based on the driller's discretion, it may be useful to increase the stroke length up to 90 feet or past the point at which he believes circulation was lost.

If circulation is re-established drilling will proceed as usual and monitoring for inadvertent fluid returns will no longer be required. If circulation is not re-established, monitoring for inadvertent fluid returns to the ground surface and river will continue and drilling will proceed.

Typically lost circulation has the highest probability of occurring while the pilot hole is being drilled due to the smaller bore-hole annulus and the relatively large volume of solids being displaced and carried in the drilling fluid. Often times in the course of drilling the pilot hole circulation will be temporarily lost as the pilot bit is advanced through more permeable or less competent sections of the ground formation and fluid pressures are at a maximum. As the pilot bit advances beyond these sections of the bore-hole, the fluid pressure will fall and circulation within the bore-hole is naturally re-established. In these instances, much of the fluid lost to the formation under the greater pressures will return back to the bore-hole as the pressures fall, in which case the drilling fluid is not likely to migrate to the surface or the river. It is also possible for the drilling fluid to leave the bore-hole and migrate in a direction other than the ground surface or a wetland, in which case it may never be observed even if circulation is lost for long periods of time.

If drilling fluid returns are observed to be continuously surfacing on the ground at a location that is accessible, the following procedures will be followed:

- 1) Cease drilling operations;
- 2) Contain the location such that the drilling fluid cannot migrate across the ground surface by constructing earthen berms and/or if required, utilizing containment materials and equipment (i.e. hay bales, silt fence, etc.).
- 3) Excavate a small sump pit at the location and provide a means for the fluid to be returned to either the drilling operations or a disposal site (i.e. pump through hose or into tanker);
- 4) Continue drilling operations and continue maintaining the integrity of the containment measures and monitoring the fluid returns as required ensuring that no surface migration occurs.

Special additional requirements for a release to waterway or wetland

- 1) If HDD results in a release of drilling fluid to a waterway or wetland, immediately contact the DRN Spills Hotline (800.943.0003) and the DNR Office of Energy (608.266.3524).
- 2)Release of drilling fluid in a wetland shall be isolated with straw bales and silt fence (no earthen berms), followed by spill cleanup.
- 3)In order to minimize downstream impacts, release of drilling fluid in a flowing waterway requires isolation of spill from waterway (i.e. sandbags, plywood coffer, etc.) and immediate cleanup.

Special additional requirements for a release on pavement or roadway

- 1) If HDD results in a release of drilling fluid on pavement or roadway, immediately contact the DRN Spills Hotline (800.943.0003) and the DNR Office of Energy (608.266.3524) also contact local law enforcement (911).
- 2)Implement an Emergency Traffic Control Plan that is appropriate for the spill area.
- 3)Release of drilling fluid on pavement or roadway shall be isolated with straw bales, sand bags or earthen berms, followed by immediate spill cleanup.
- 4)In order to minimize the impact to traffic the appropriate equipment needed to clean up a spill will be on site or readily available.

If inadvertent drilling fluid returns are observed to be surfacing on the ground surface at a location that is inaccessible, the following procedures will be followed:

- 1) Ensure that all reasonable measures within the limitations of the technology have been taken to re-establish circulation;
- 2) Continue drilling with the minimum amount of drilling fluid as required to penetrate the formation and successfully install the product line.

It should be noted that often times the drill cuttings generated as a result of the drilling process will naturally bridge and subsequently seal fractures or voids in the formation as drilling progresses thus providing another means of re-establishing circulation. This is especially likely during the reaming process as higher volumes of larger cuttings are typically generated. Therefore it is usually beneficial to proceed with the pilot hole even if circulation has not been re-established since it will likely be re-established at some point during the reaming process.

The use of an environmentally safe drilling fluid ensures that even in the event of fluid loss to sensitive areas that there will be no adverse environmental impact other than a temporary minor increase in turbidity until the drilling fluid dissipates. It is important to note that any temporary increase in the turbidity as a result of inadvertent drilling fluid loss while directional drilling the crossing will be several orders of magnitude less than that of an open-cut crossing.

If inadvertent drilling fluid should migrate to the earth's surface, the Contractor' Field Representative will contact the Owner Representative for this project who will in turn contact the appropriate governing authorities.

LEGEND

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

LINETYPES

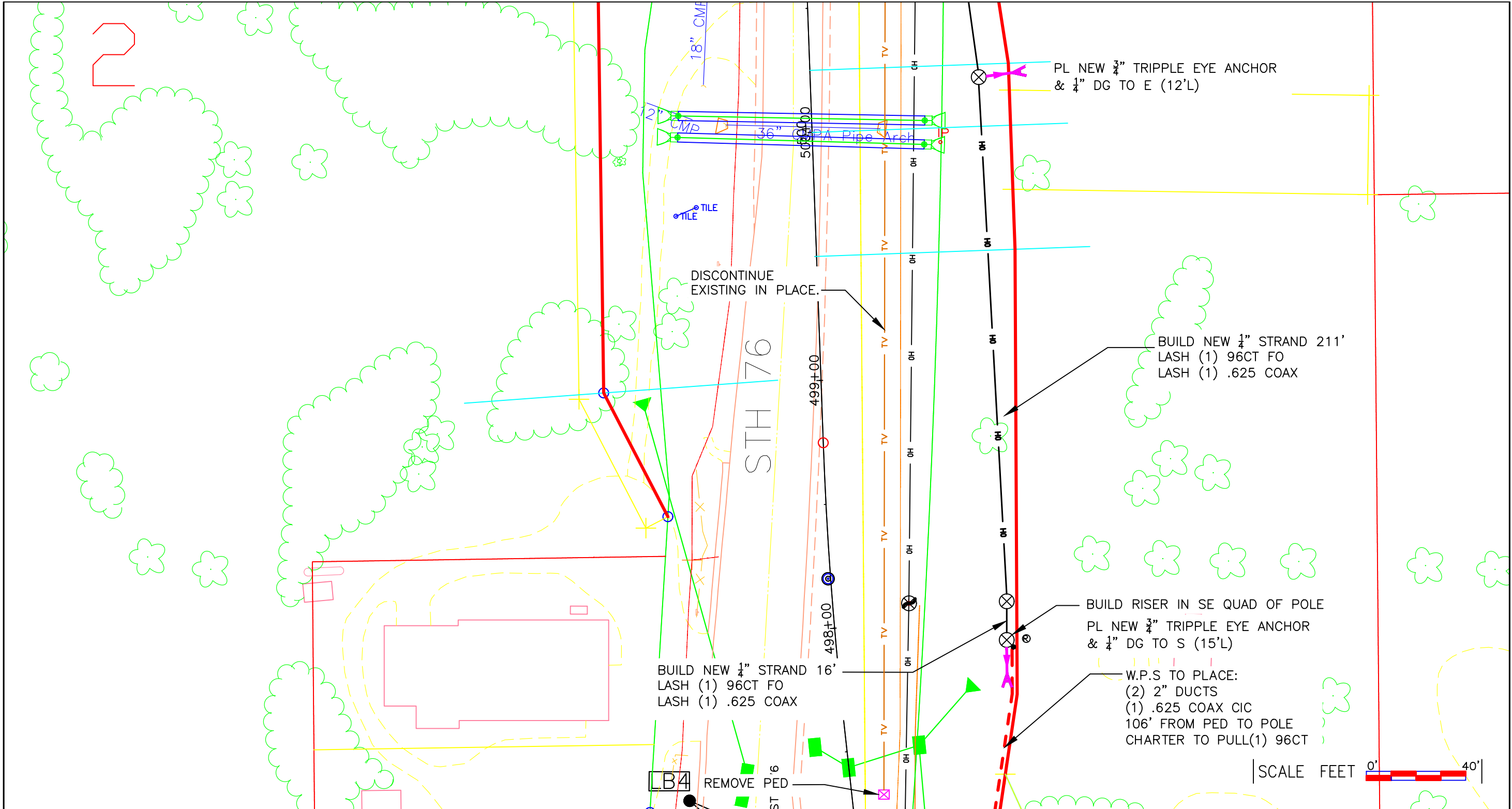
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STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MUSD	MUSD	MUSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore			
DRAFTED BY:	DATE:		
Darrell Gore			
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		

Frac-Out



LEGEND

● JOINT POLE	▲ ANCHOR	⬡ MANHOLE	— NEW GROUND
● NEW JOINT POLE	▲ NEW ANCHOR	⬢ EXISTING FIBER COIL	— PROPERTY LINE
× POWER POLE	▲ JOINT ANCHOR	⬢ NEW FIBER COIL	— ROADWAY CENTERLINE
× NEW POWER POLE	▲ NEW JOINT ANCHOR	⬢ EXISTING HAND HOLE	● FIBER WARNING SIGN
○ TELEPHONE POLE	▲ FOREIGN ANCHOR	⬢ NEW HAND HOLE	⬢ TRAFFIC LIGHT
○ NEW TELEPHONE POLE	▲ DOWNGUY	⬢ SHRUBS	⬢ HYDRANT
■ EXISTING PEDESTAL	▲ NEW DOWNGUY	⬢ DECIDUOUS TREE	⬢ SIGNS
■ NEW PEDESTAL	○ UTILITY VALVE		⬢ STREET LIGHT

LINETYPES

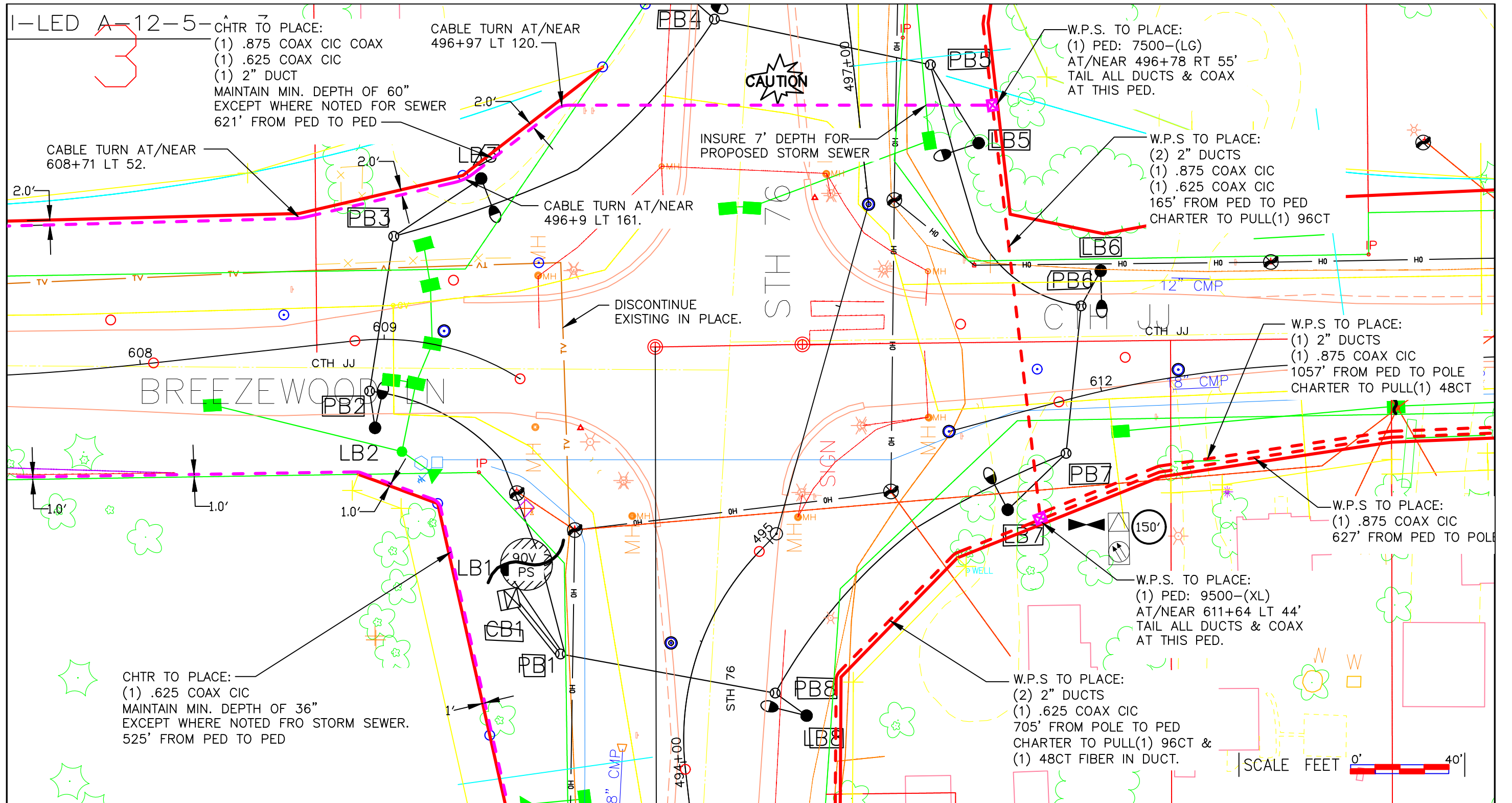
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JOINT U/G WITH POWER	— DH —	— DH —
CABLE TV	— TV —	— TV —
FIBER	— FD —	— FD —
TELEPHONE	— T —	— T —
CITY CONDUIT	— CUC —	— CUC —
GAS	— G —	— G —
ELECTRICAL	— E —	— E —
WHSB	— WHSB —	— WHSB —
STORM	— STD —	— STD —
SANITARY	— SAN —	— SAN —
WATER	— V —	— V —
STEAM	— STH —	— STH —
ROW	— RDV —	— RDV —

PROJECT #124031

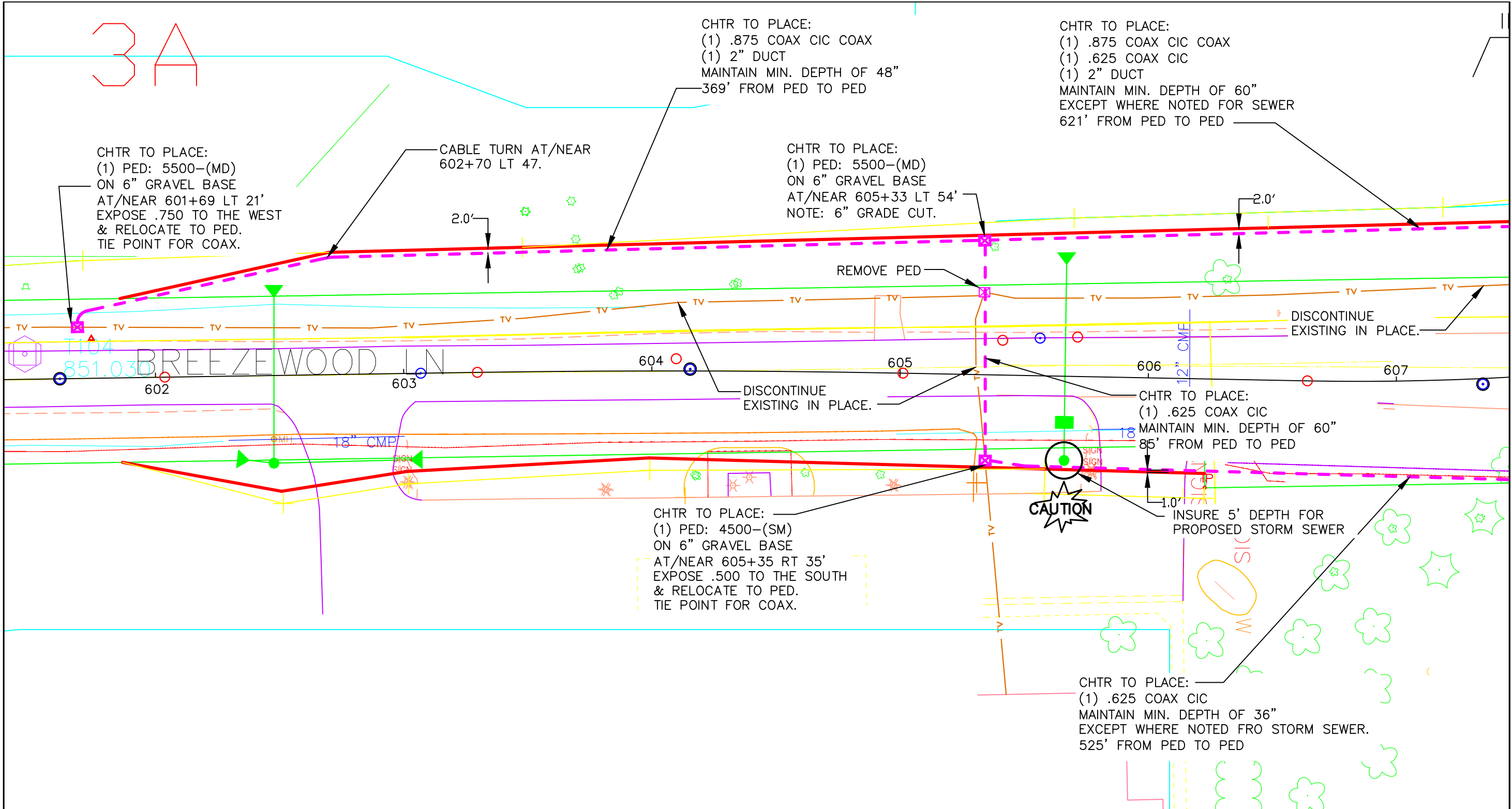
3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS	STH 76	LOCATION	WINNEBAGO, WI
FILED BY:	Darrell Gore	DATE:	
DRAFTED BY:	Darrell Gore	DATE:	
DESIGNED BY:		DATE:	
ASBUILTS BY:		DATE:	

1
2
3



	LEGEND			LINETYPES			PROJECT #124031 3520 DESTINATION DR APPLETON, WI 54915		ADDRESS STH 76		LOCATION WINNEBAGO, WI	
	JOINT POLE	ANCHOR	MANHOLE	STRAND PROPOSED	TV	TV			FILED BY:	DATE:	2	
	NEW JOINT POLE	NEW ANCHOR	EXISTING FIBER COIL	STRAND EXISTING	FD	FD			DARRELL GORE	DATE:		
	POWER POLE	JOINT ANCHOR	NEW FIBER COIL	JOINT U/G WITH POWER	CUC	CUC			DRAFTED BY:	DATE:	3A	3B
	NEW POWER POLE	NEW JOINT ANCHOR	EXISTING HAND HOLE	CABLE TV	G	G			DESIGNED BY:	DATE:		



LEGEND

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

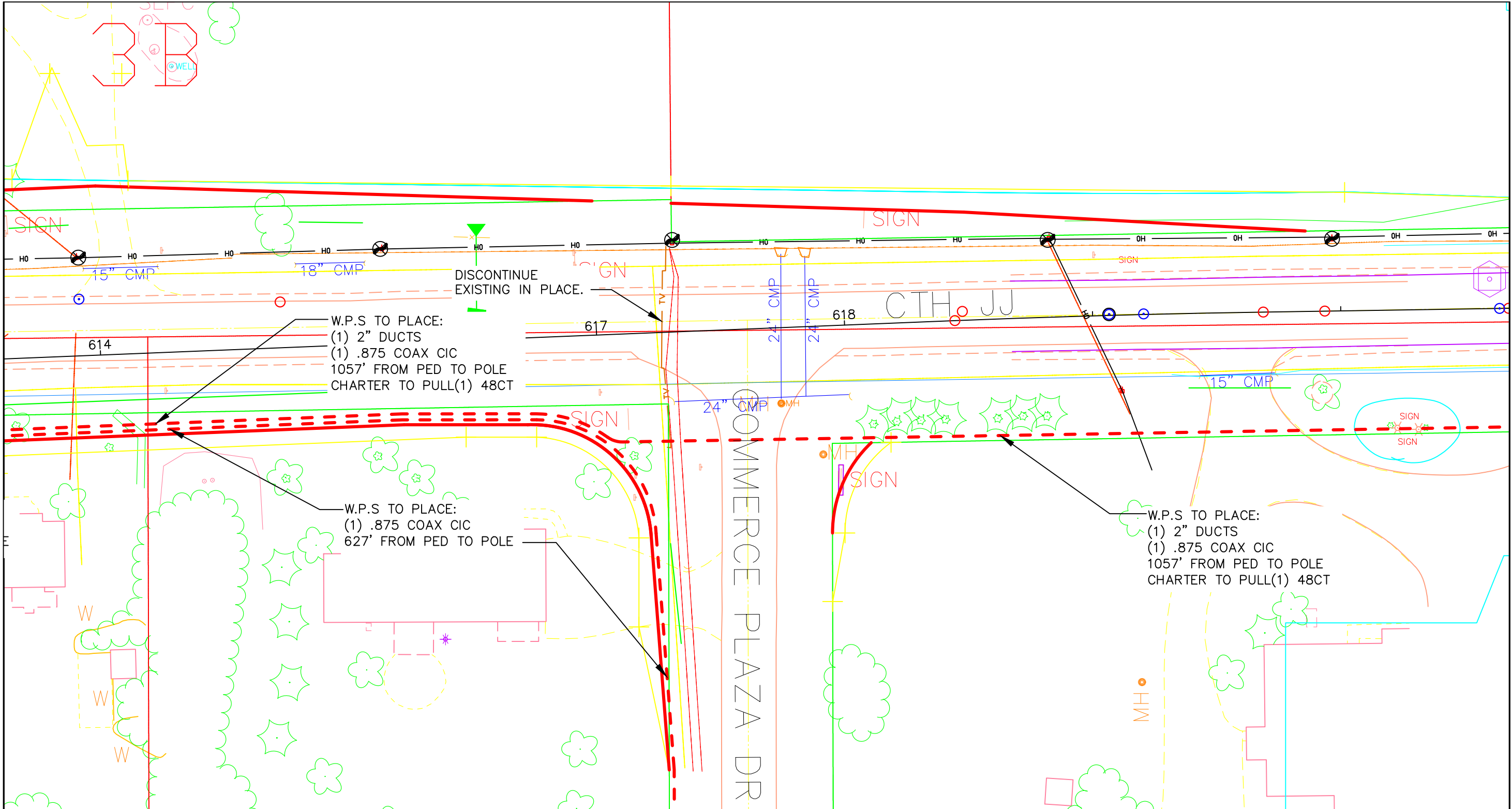
LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MUSD	MUSD	MUSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		3
DRAFTED BY:	DATE:		
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		



LEGEND

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

LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MUSD	MUSD	MUSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

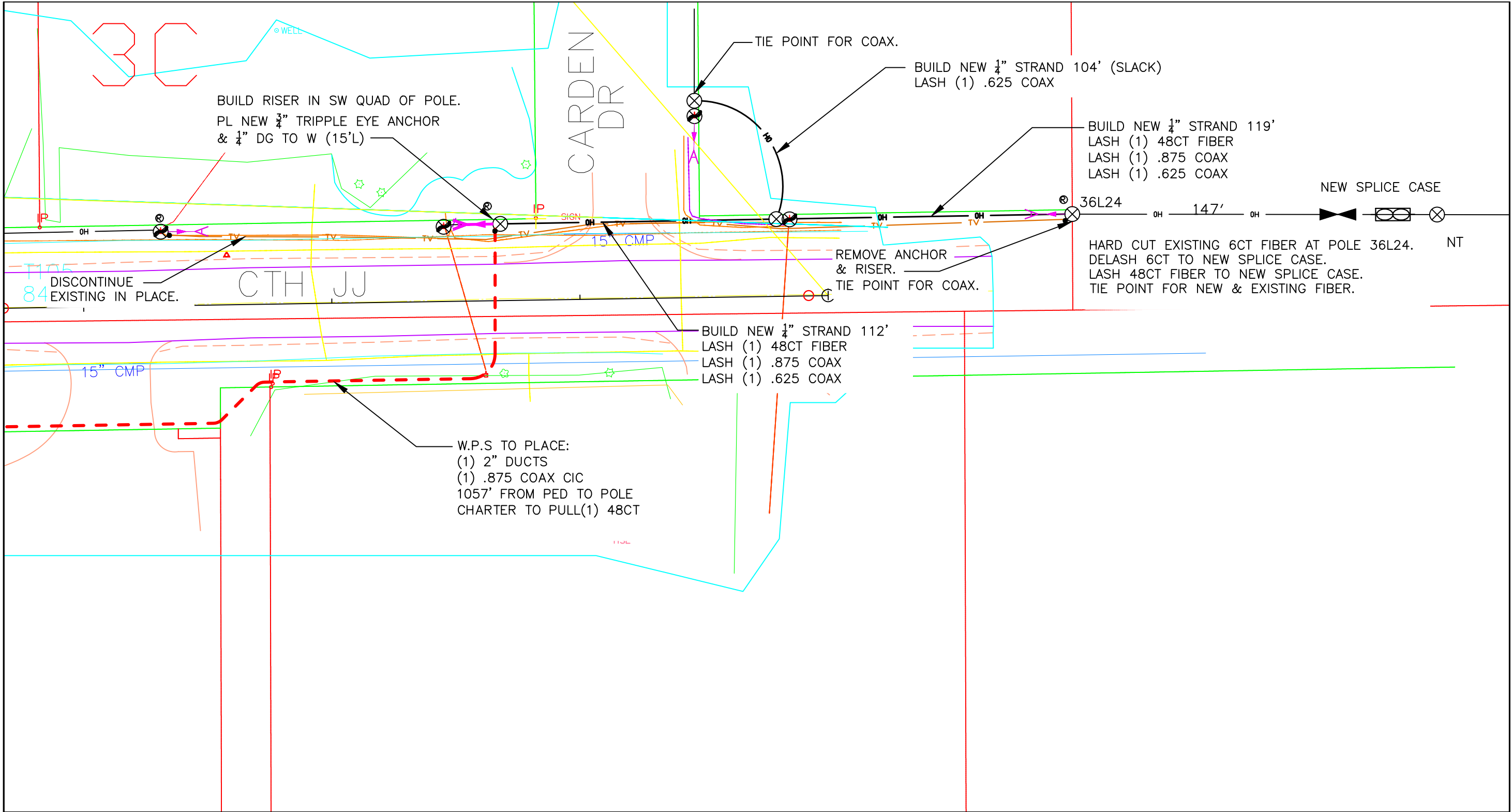
PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

N

ADDRESS	STH 76	LOCATION	WINNEBAGO, WI
FIELDED BY:	Darrell Gore	DATE:	
DRAFTED BY:	Darrell Gore	DATE:	
DESIGNED BY:		DATE:	
ASBUILTS BY:		DATE:	

3	3B	3C
	4A	



LEGEND

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

LINETYPES

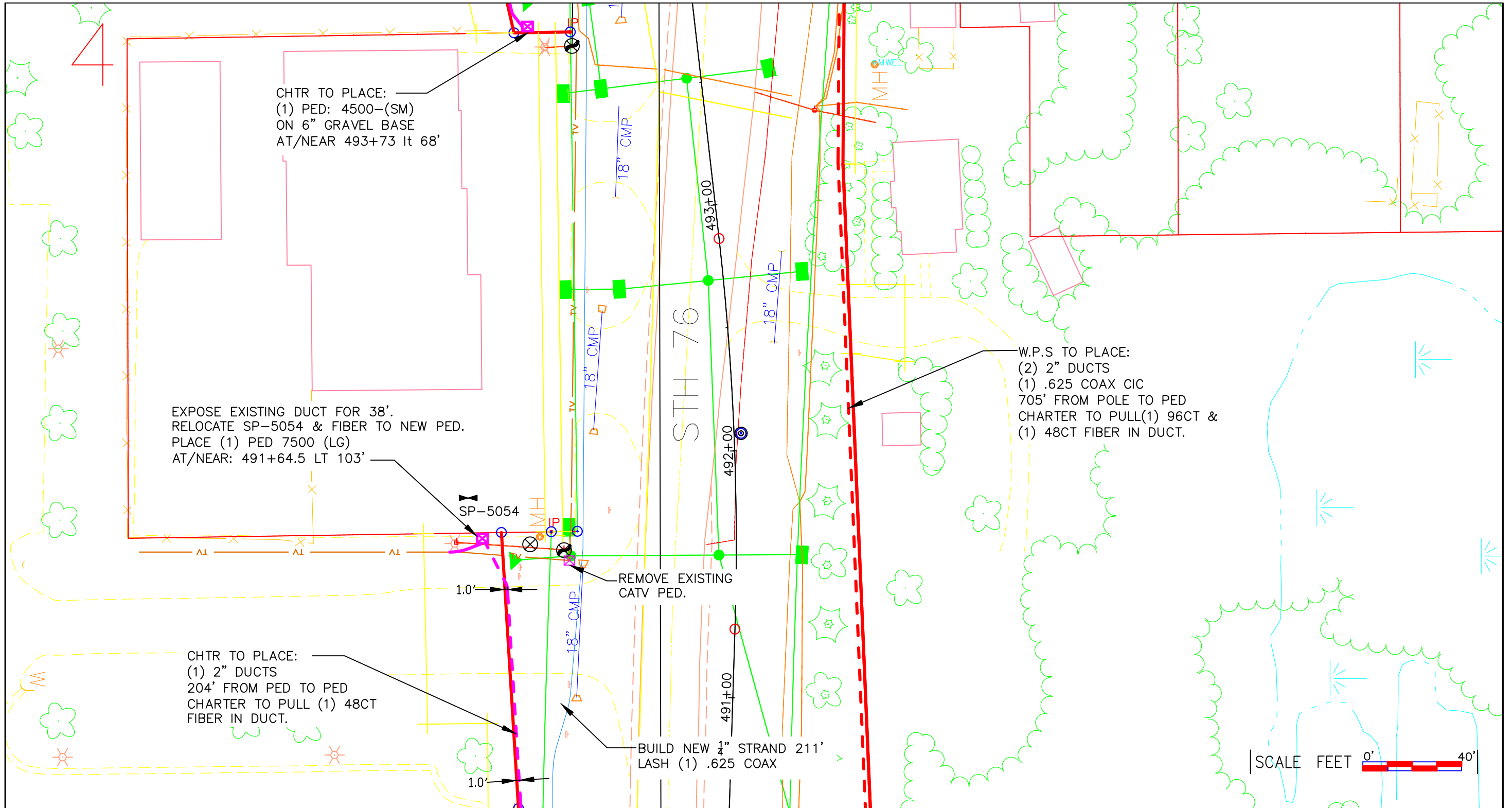
STRAND PROPOSED	STRAND EXISTING
JOINT U/G WITH POWER	
CABLE TV	TV
FIBER	FD
TELEPHONE	T
CITY CONDUIT	CUC
GAS	G
ELECTRICAL	E
MUSD	MUSD
STORM	STD
SANITARY	SAN
WATER	W
STEAM	STH
ROW	RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS	STH 76	LOCATION	WINNEBAGO, WI
FILED BY:	DATE:		
DRAFTED BY:	DATE:		
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		

3B	3C
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LEGEND

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

LINETYPES

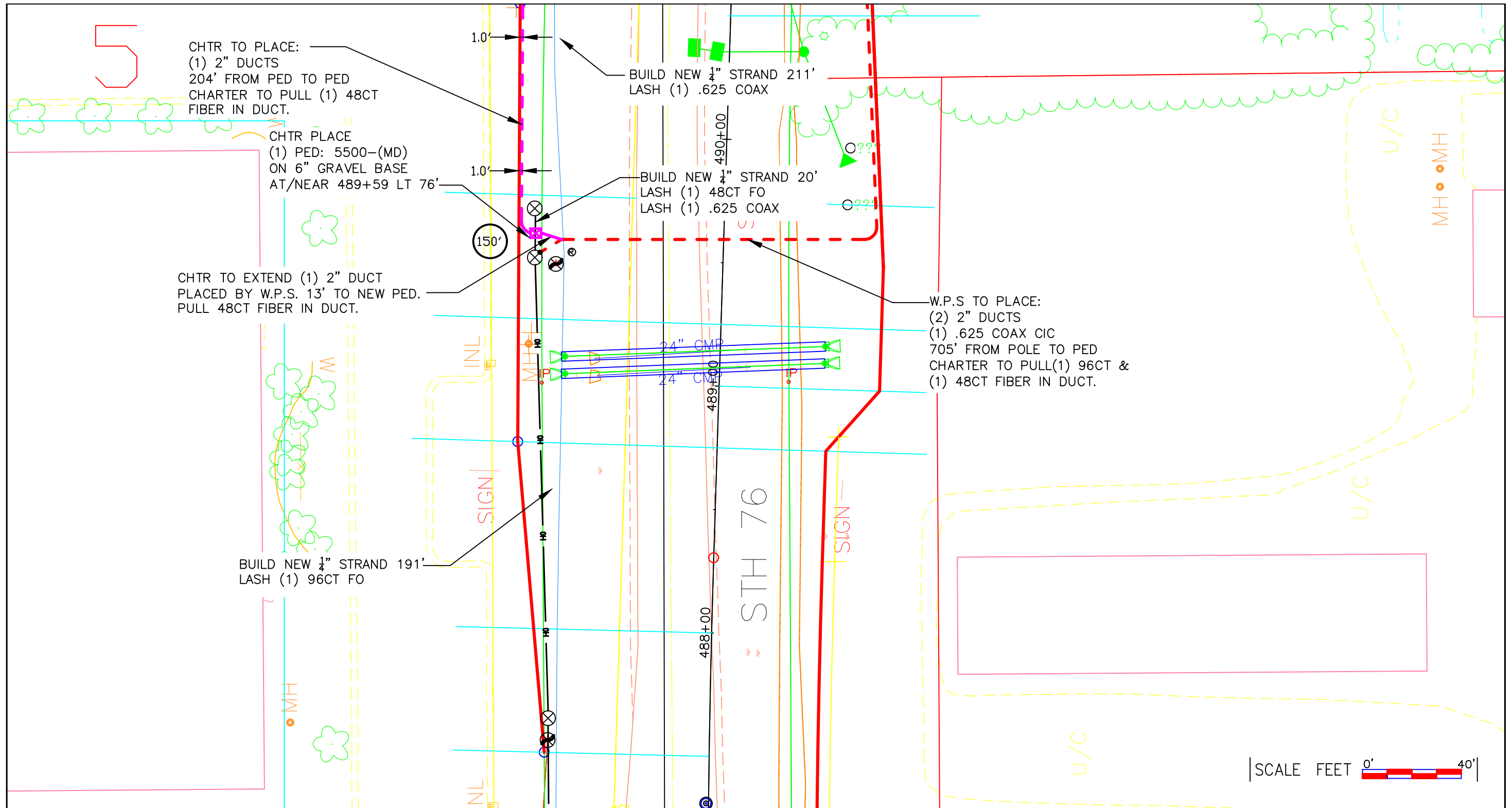
STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MUSD	MUSD	MUSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

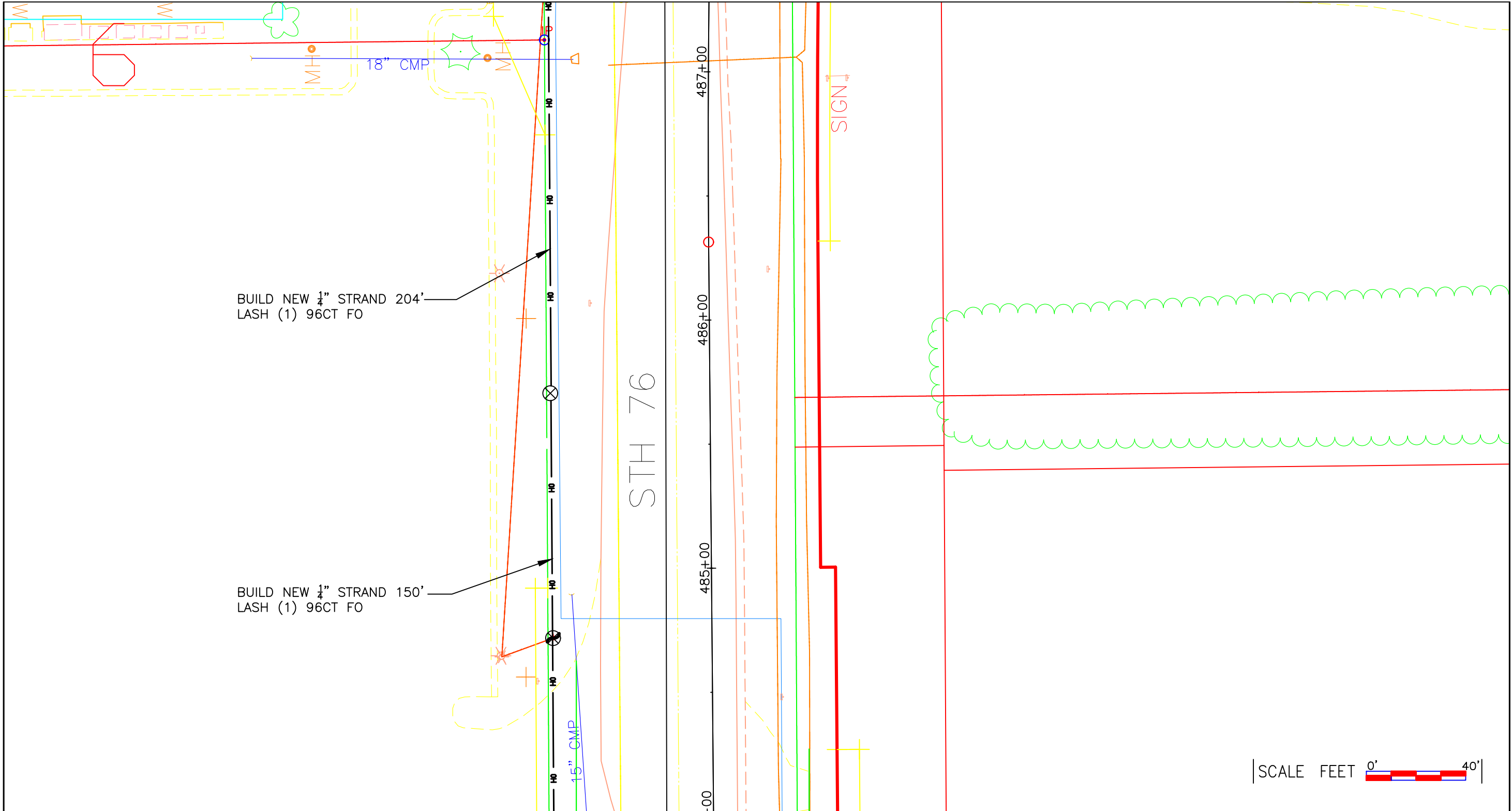
ADDRESS	STH 76	LOCATION	WINNEBAGO, WI
FILED BY:	Darrell Gore	DATE:	
DRAFTED BY:	Darrell Gore	DATE:	
DESIGNED BY:		DATE:	
ASBUILTS BY:		DATE:	

3	
4	4A
5	



SCALE FEET 0' 40'

	LEGEND				LINETYPES STRAND PROPOSED STRAND EXISTING JOINT U/G WITH POWER CABLE TV FIBER TELEPHONE CITY CONDUIT GAS ELECTRICAL MMSD STORM SANITARY WATER STEAM ROW		PROJECT #124031 Charter COMMUNICATIONS 3520 DESTINATION DR APPLETON, WI 54915		ADDRESS STH 76		LOCATION WINNEBAGO, WI			
	JOINT POLE NEW JOINT POLE POWER POLE NEW POWER POLE TELEPHONE POLE NEW TELEPHONE POLE EXISTING PEDESTAL NEW 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	NEW GROUND PROPERTY LINE ROADWAY CENTERLINE FIBER WARNING SIGN TRAFFIC LIGHT HYDRANT SIGNS STREET LIGHT CONIFEROUS TREE			FIELD BY: Darrell Gore DATE:	DATE:	DRAFTED BY: Darrell Gore DATE:	DATE:	DESIGNED BY: DATE:	DATE:	ASBUILTS BY: DATE:	DATE:
	4 5 6													



SCALE FEET 0' 40'

LEGEND

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

LINETYPES

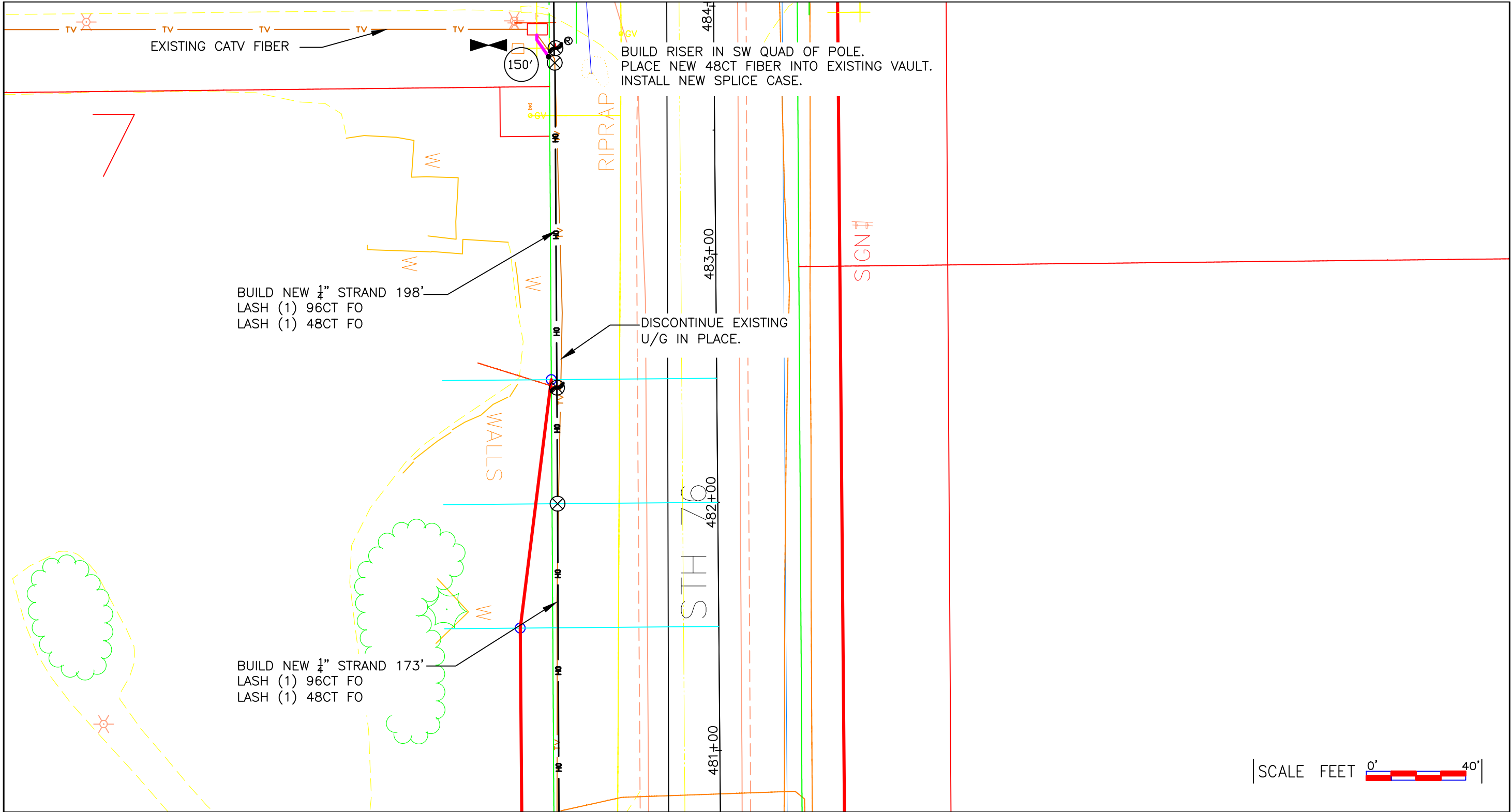
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STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore		5	
DRAFTED BY:	DATE:		
Darrell Gore		6	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		7	



SCALE FEET 0' 40'

LEGEND

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

LINETYPES

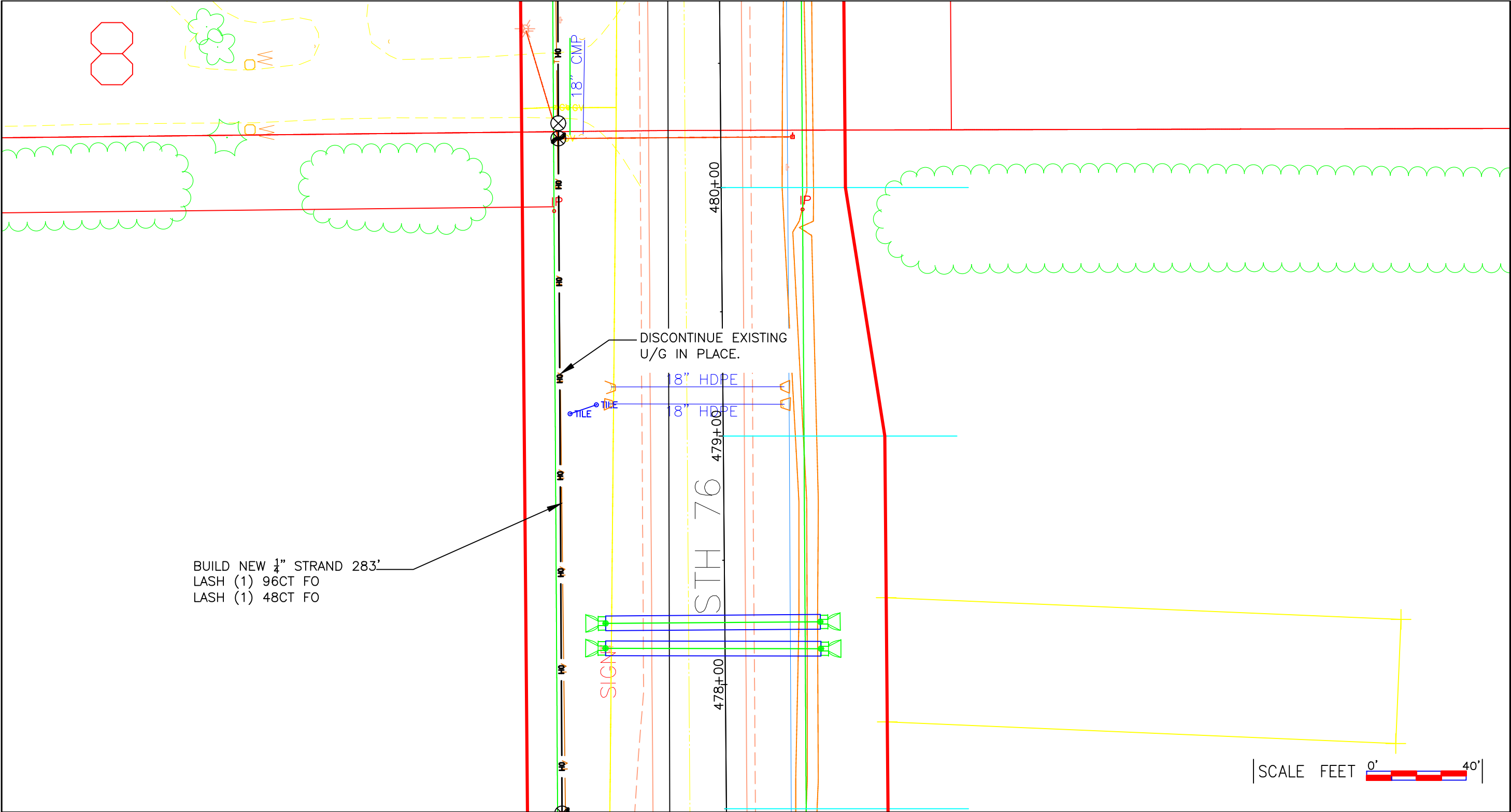
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STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
WMSD	WMSD	WMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	V	V
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

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3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore		6	
DRAFTED BY:	DATE:		
Darrell Gore		7	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		8	



SCALE FEET 0' 40'

LEGEND

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

LINETYPES

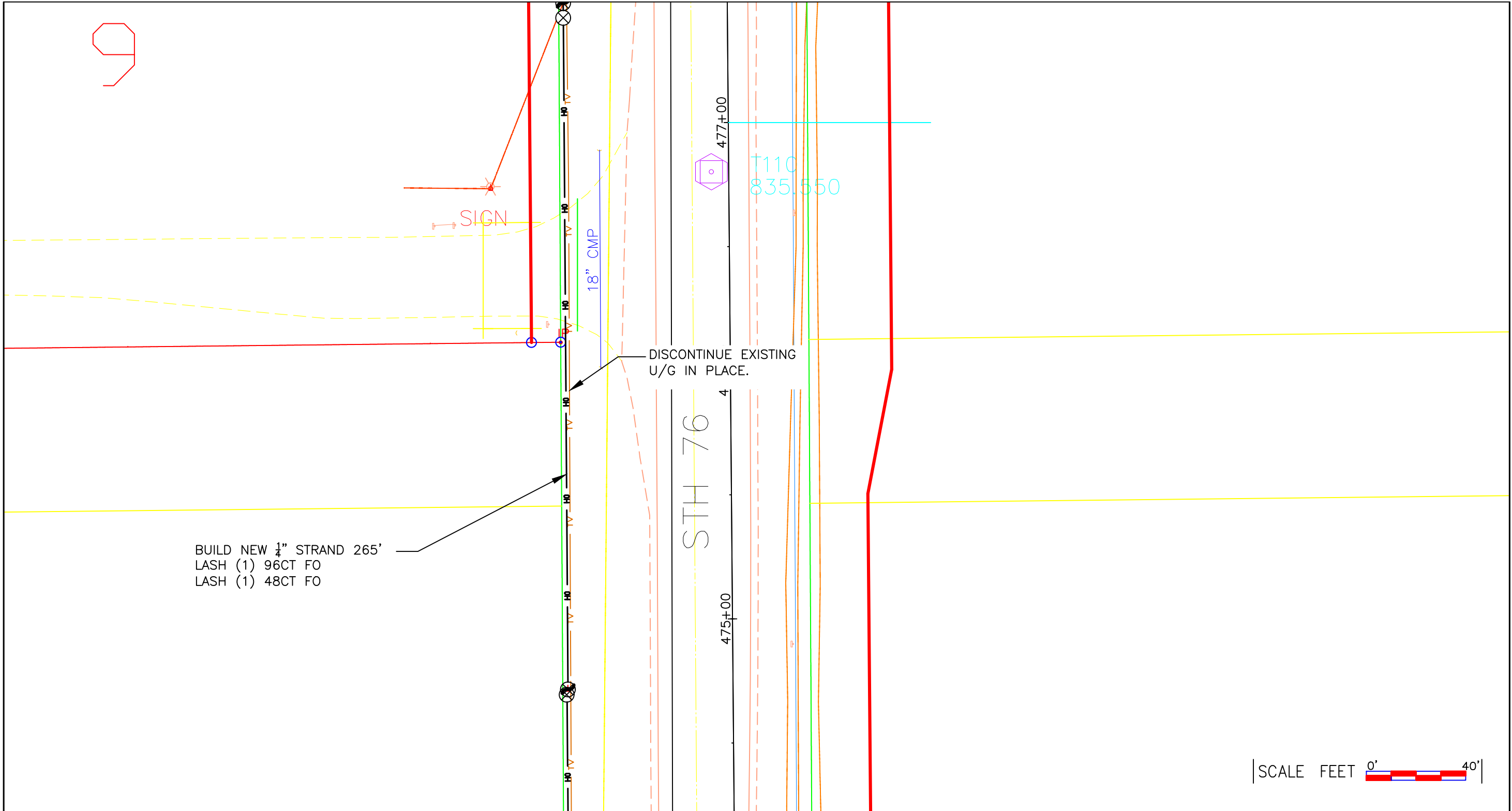
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STRAND EXISTING	DH	DH
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CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS	STH 76	LOCATION	WINNEBAGO, WI
FILED BY:	DATE:		
DRAFTED BY:	DATE:		
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		

	7	
	8	
	9	



BUILD NEW 1/4" STRAND 265'
LASH (1) 96CT FO
LASH (1) 48CT FO

DISCONTINUE EXISTING
U/G IN PLACE.

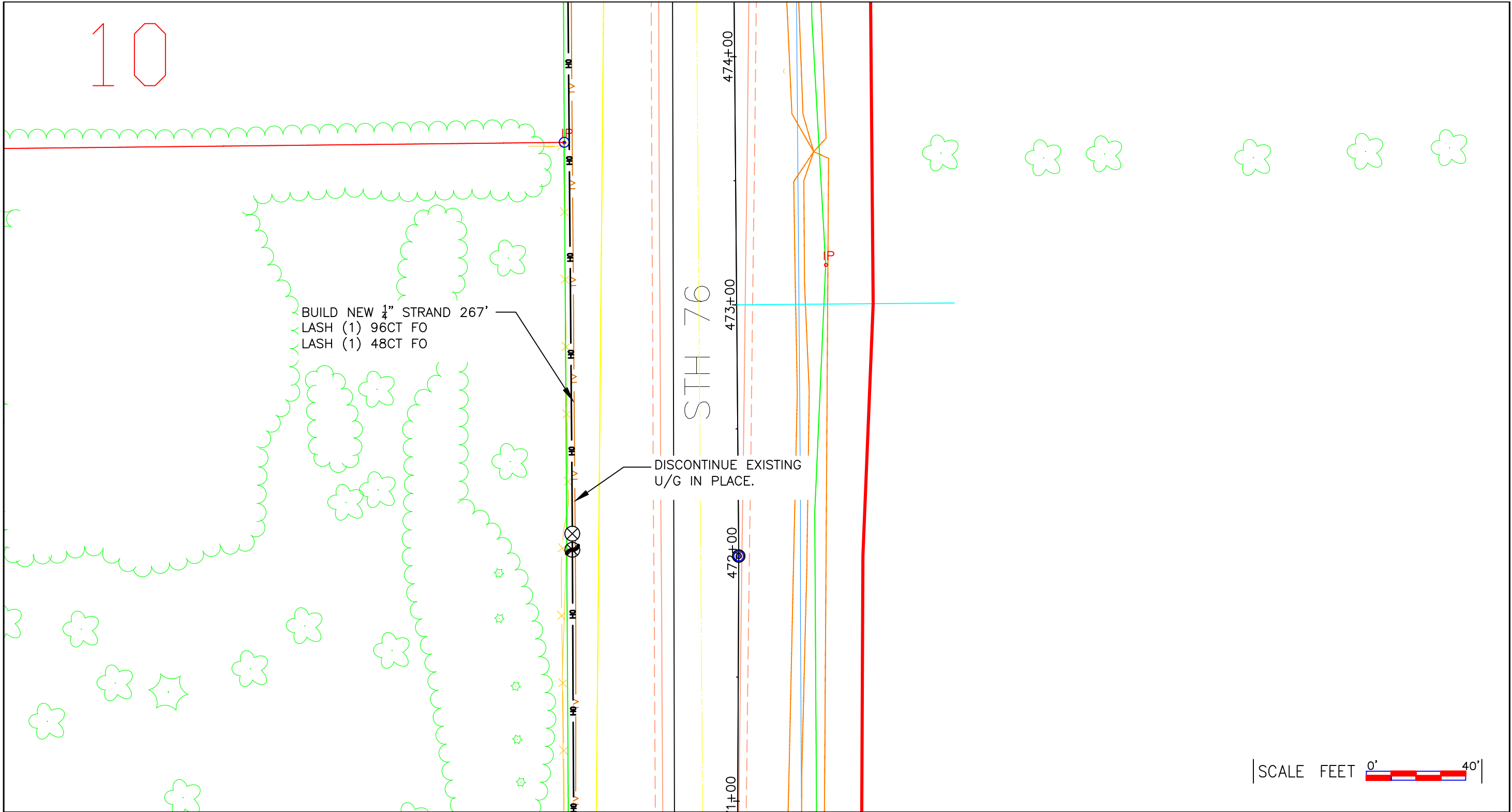
STH 76

477+00

475+00

SCALE FEET 0' 40'

	LEGEND										LINETYPES										PROJECT #124031 3520 DESTINATION DR APPLETON, WI 54915		ADDRESS		LOCATION	
	JOINT POLE				ANCHOR				MANHOLE		NEW GROUND				STRAND PROPOSED		STRAND EXISTING		STH 76				WINNEBAGO, WI			
	NEW JOINT POLE				NEW ANCHOR				EXISTING FIBER COIL		PROPERTY LINE				PROPOSED UNDERGROUND				FIELD BY: DATE:							
	POWER POLE				JOINT ANCHOR				NEW FIBER COIL		ROADWAY CENTERLINE				JOINT U/G WITH POWER				DRAFTED BY: DATE:				8			
	NEW POWER POLE				NEW JOINT ANCHOR				EXISTING HAND HOLE		FIBER WARNING SIGN				CABLE TV				DESIGNED BY: DATE:				9			
TELEPHONE POLE				FOREIGN ANCHOR				NEW HAND HOLE		TRAFFIC LIGHT				FIBER		TV				ASBUILTS BY: DATE:		10				
NEW TELEPHONE POLE				DOWNGUY				SHRUBS		HYDRANT				TELEPHONE		FD										
EXISTING PEDESTAL				NEW DOWNGUY				DECIDUOUS TREE		SIGNS				CITY CONDUIT		T										
NEW PEDESTAL				UTILITY VALVE				CONIFEROUS TREE				STREET LIGHT				GAS		CUC								
																ELECTRICAL		E								
																WMSD		WMSD								
																STORM		STD								
																SANITARY		SAN								
																WATER		W								
																STEAM		STM								
																ROW		RDV								



LEGEND

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

LINETYPES

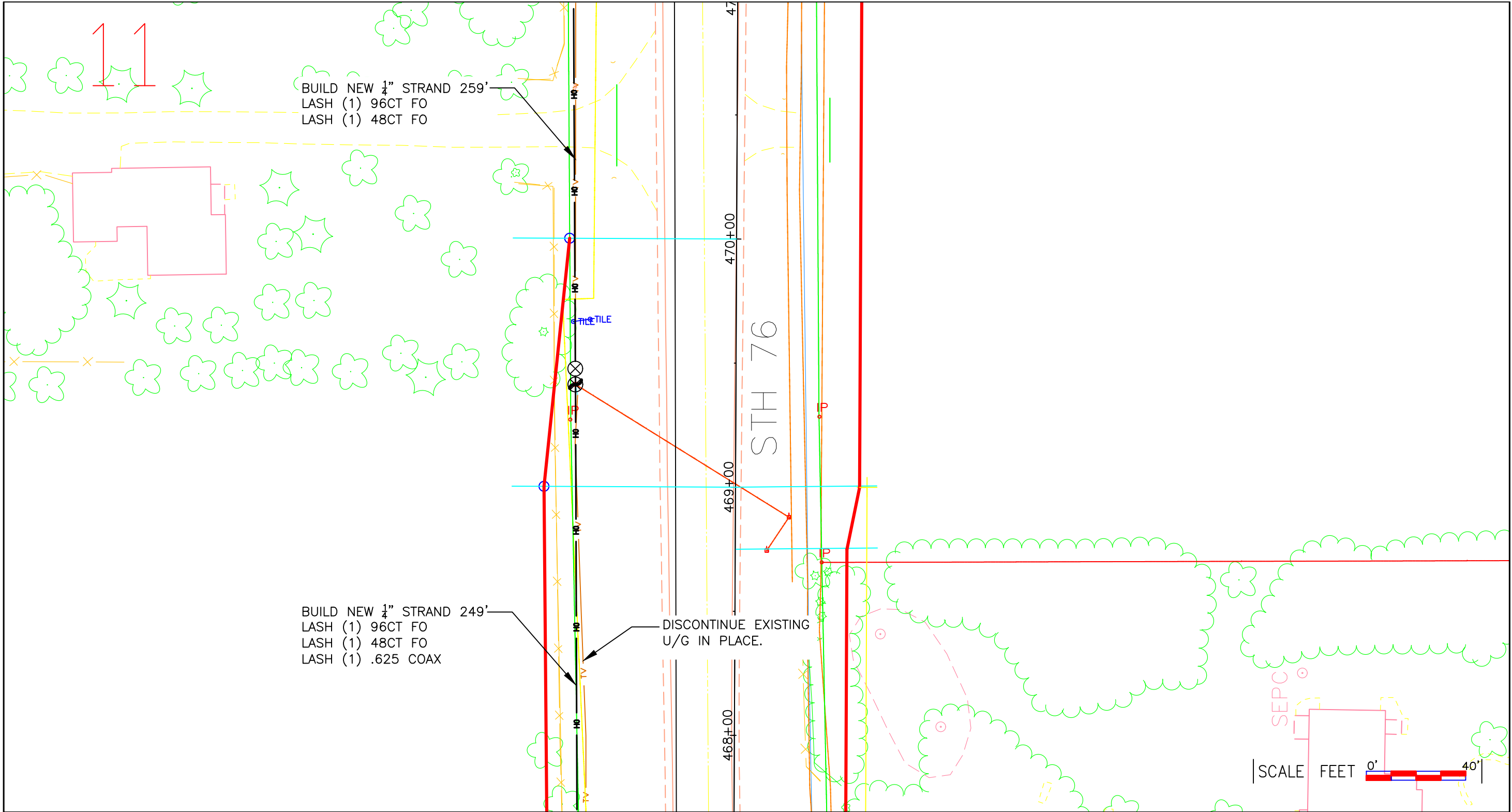
STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
WMSD	WMSD	WMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore		9	
DRAFTED BY:	DATE:		
Darrell Gore		10	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		11	



LEGEND

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

LINETYPES

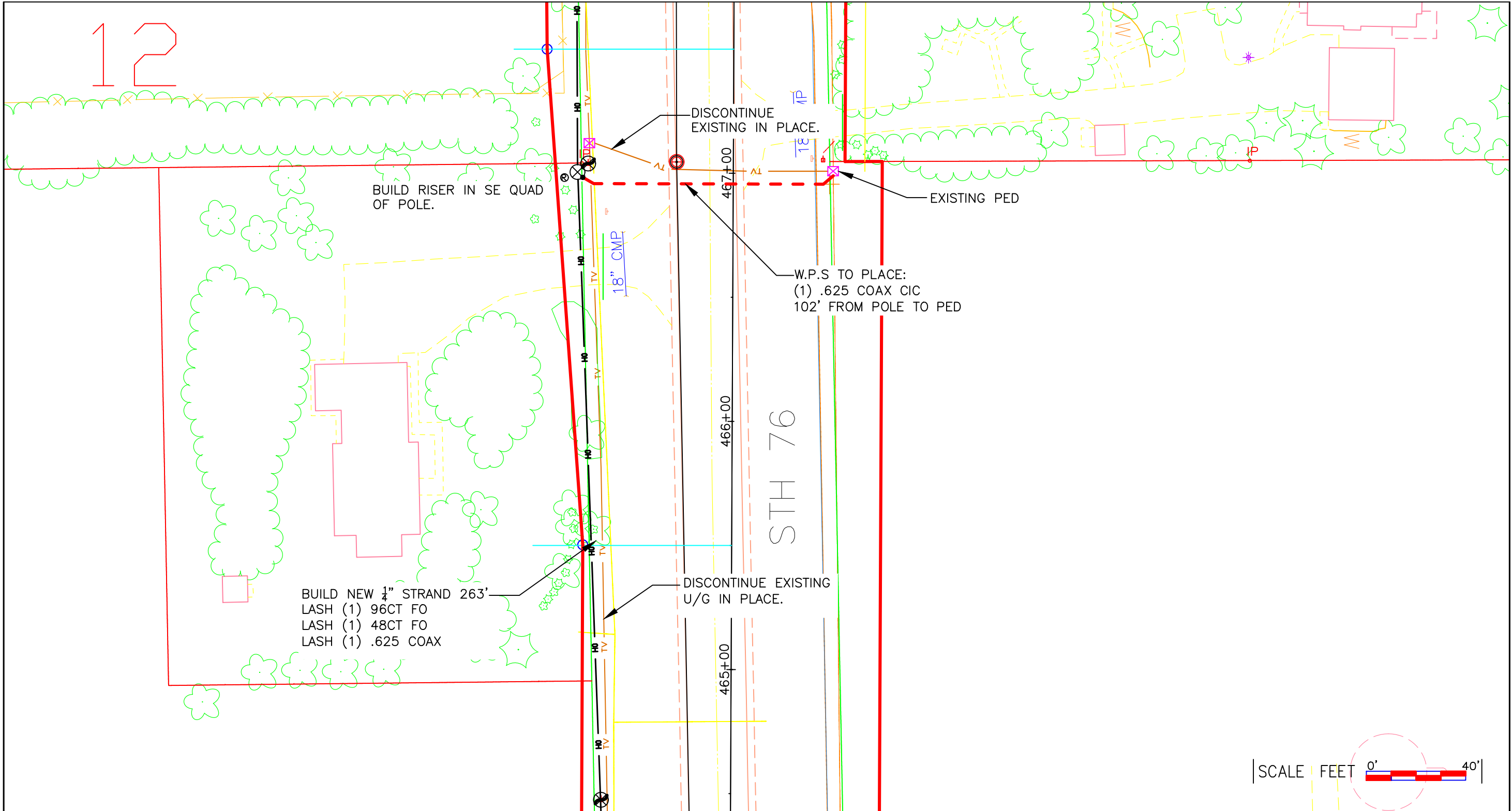
STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
WMSD	WMSD	WMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	V	V
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY: Darrell Gore	DATE:		10
DRAFTED BY: Darrell Gore	DATE:		11
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		12



LEGEND

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

LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND	DH	DH
JOINT U/G WITH POWER	DH	DH
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
WMSD	WMSD	WMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore			11
DRAFTED BY:	DATE:		
Darrell Gore			12
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
			13

13

BUILD NEW 1/4" STRAND 270'
LASH (1) 96CT FO
LASH (1) 48CT FO
LASH (1) .625 COAX

DISCONTINUE EXISTING
U/G IN PLACE.

STH 76

18" CMP

18" CMP

SCALE FEET 0' 40'

mi-TECH

LEGEND

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

LINETYPES

- | | | |
|----------------------|------|------|
| STRAND PROPOSED | DH | DH |
| STRAND EXISTING | DH | DH |
| PROPOSED UNDERGROUND | | |
| JOINT U/G WITH POWER | | |
| CABLE TV | TV | TV |
| FIBER | FD | FD |
| TELEPHONE | T | T |
| CITY CONDUIT | CUC | CUC |
| GAS | G | G |
| ELECTRICAL | E | E |
| MMSD | MMSD | MMSD |
| STORM | STD | STD |
| SANITARY | SAN | SAN |
| WATER | W | W |
| STEAM | STH | STH |
| ROW | RDV | RDV |

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915



ADDRESS

STH 76

FIELDED BY: Darrell Gore

DRAFTED BY: Darrell Gore

DESIGNED BY:

ASBUILTS BY:

LOCATION

WINNEBAGO, WI

12

13

14

14

BUILD NEW $\frac{1}{4}$ " STRAND 262'
LASH (1) 96CT FO
LASH (1) 48CT FO
LASH (1) .625 COAX

DISCONTINUE EXISTING
U/G IN PLACE.

STH 76

BUILD NEW $\frac{1}{4}$ " STRAND 149'
LASH (1) 96CT FO
LASH (1) 48CT FO
LASH (1) .625 COAX

29" X 36" CMP

SCALE FEET 0' 40'

mi-TECH

LEGEND

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

LINETYPES

- | | | |
|----------------------|------|------|
| STRAND PROPOSED | DH | DH |
| STRAND EXISTING | DH | DH |
| PROPOSED UNDERGROUND | | |
| JOINT U/G WITH POWER | | |
| CABLE TV | TV | TV |
| FIBER | FD | FD |
| TELEPHONE | T | T |
| CITY CONDUIT | CUC | CUC |
| GAS | G | G |
| ELECTRICAL | E | E |
| WMSD | WMSD | WMSD |
| STORM | STD | STD |
| SANITARY | SAN | SAN |
| WATER | V | V |
| STEAM | STH | STH |
| ROW | RDV | RDV |

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915



ADDRESS
STH 76

FILED BY: Darrell Gore DATE:

DRAFTED BY: Darrell Gore DATE:

DESIGNED BY: DATE:

ASBUILTS BY: DATE:

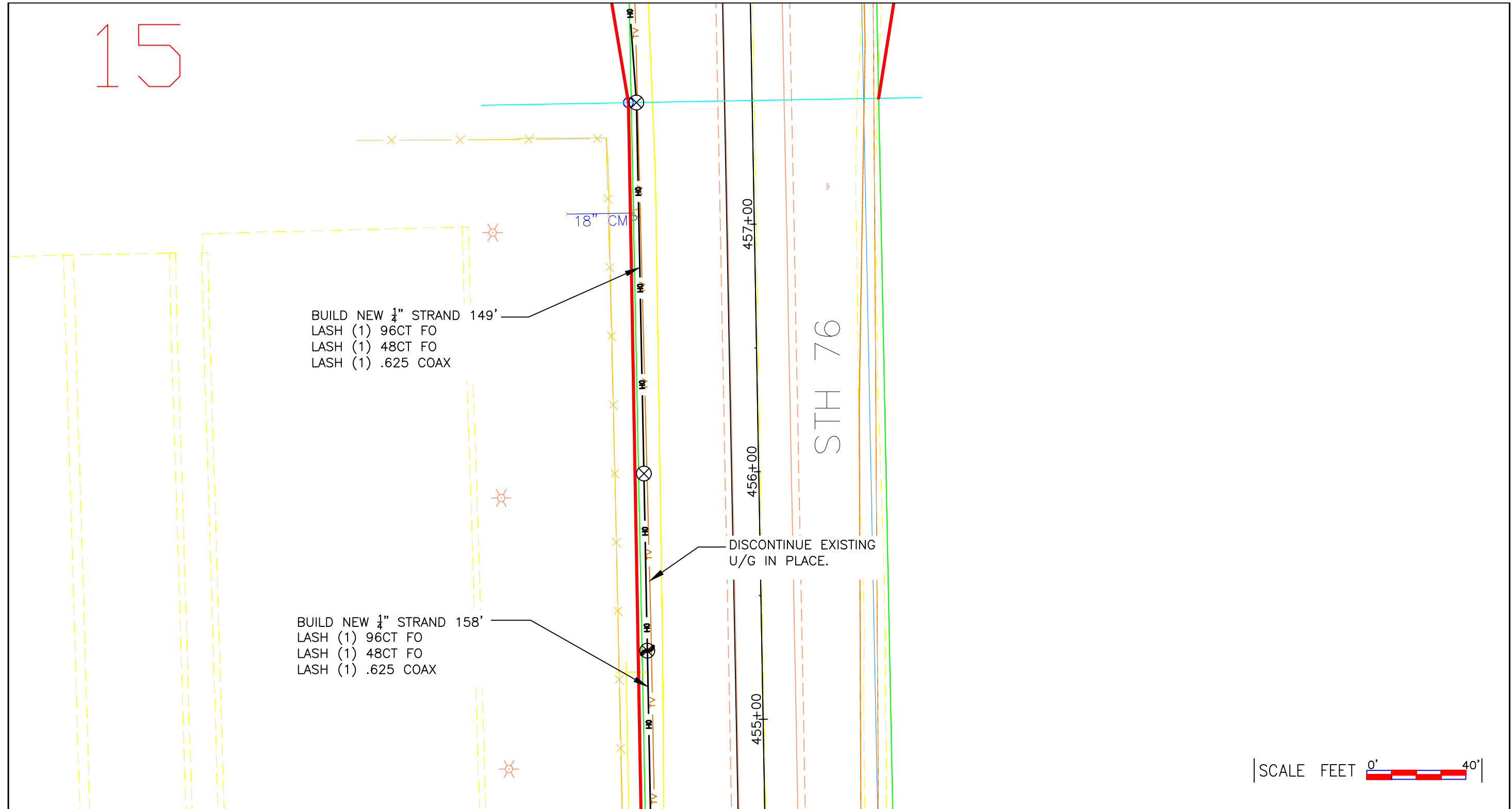
LOCATION
WINNEBAGO, WI

13

14

15

15



SCALE FEET 0' 40'

LEGEND

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

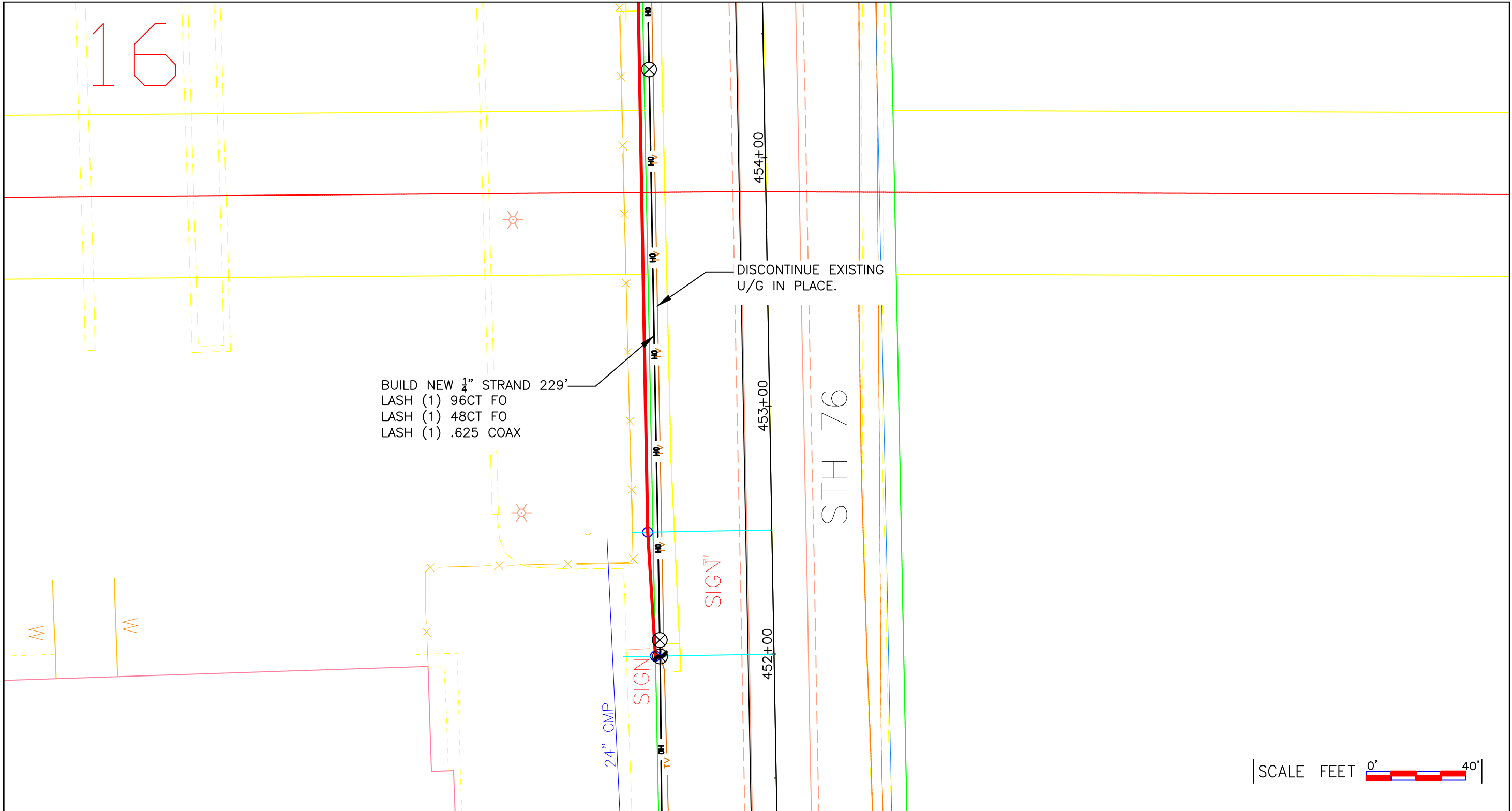
LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY: Darrell Gore	DATE:		14
DRAFTED BY: Darrell Gore	DATE:		15
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		16



SCALE FEET 0' 40'

LEGEND

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

LINETYPES

STRAND PROPOSED	— DH	— DH
STRAND EXISTING	— DH	— DH
PROPOSED UNDERGROUND	— DH	— DH
JOINT U/G WITH POWER	— DH	— DH
CABLE TV	— TV	— TV
FIBER	— FD	— FD
TELEPHONE	— T	— T
CITY CONDUIT	— CUC	— CUC
GAS	— G	— G
ELECTRICAL	— E	— E
WMSD	— WMSD	— WMSD
STORM	— STD	— STD
SANITARY	— SAN	— SAN
WATER	— V	— V
STEAM	— STH	— STH
ROW	— RDV	— RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY: Darrell Gore	DATE:		15
DRAFTED BY: Darrell Gore	DATE:		16
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		17

17

BUILD NEW 1/4" STRAND 201'
LASH (1) 96CT FO
LASH (1) 48CT FO
LASH (1) .625 COAX

BUILD NEW 1/4" STRAND 149'
LASH (1) 96CT FO
LASH (1) 48CT FO
LASH (1) .625 COAX

TRANSFER RISER
TO NEW POLE.

TRANSFER SPAN SOUTH
TO NEW POLE.

ADD SPLICE CASE
FOR 96CT.

24" CMP

18" CMP

451+00

450+00

449+00

STH 76

DISCONTINUE EXISTING
U/G IN PLACE.

SP-5153

T111
843.000

SCALE FEET 0' 40'

mi-TECH

LEGEND

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

LINETYPES

- | | | |
|----------------------|------|------|
| STRAND PROPOSED | DH | DH |
| STRAND EXISTING | DH | DH |
| PROPOSED UNDERGROUND | | |
| JOINT U/G WITH POWER | | |
| CABLE TV | TV | TV |
| FIBER | FD | FD |
| TELEPHONE | T | T |
| CITY CONDUIT | CUC | CUC |
| GAS | G | G |
| ELECTRICAL | E | E |
| WMSD | WMSD | WMSD |
| STORM | STD | STD |
| SANITARY | SAN | SAN |
| WATER | V | V |
| STEAM | STH | STH |
| ROW | RDV | RDV |

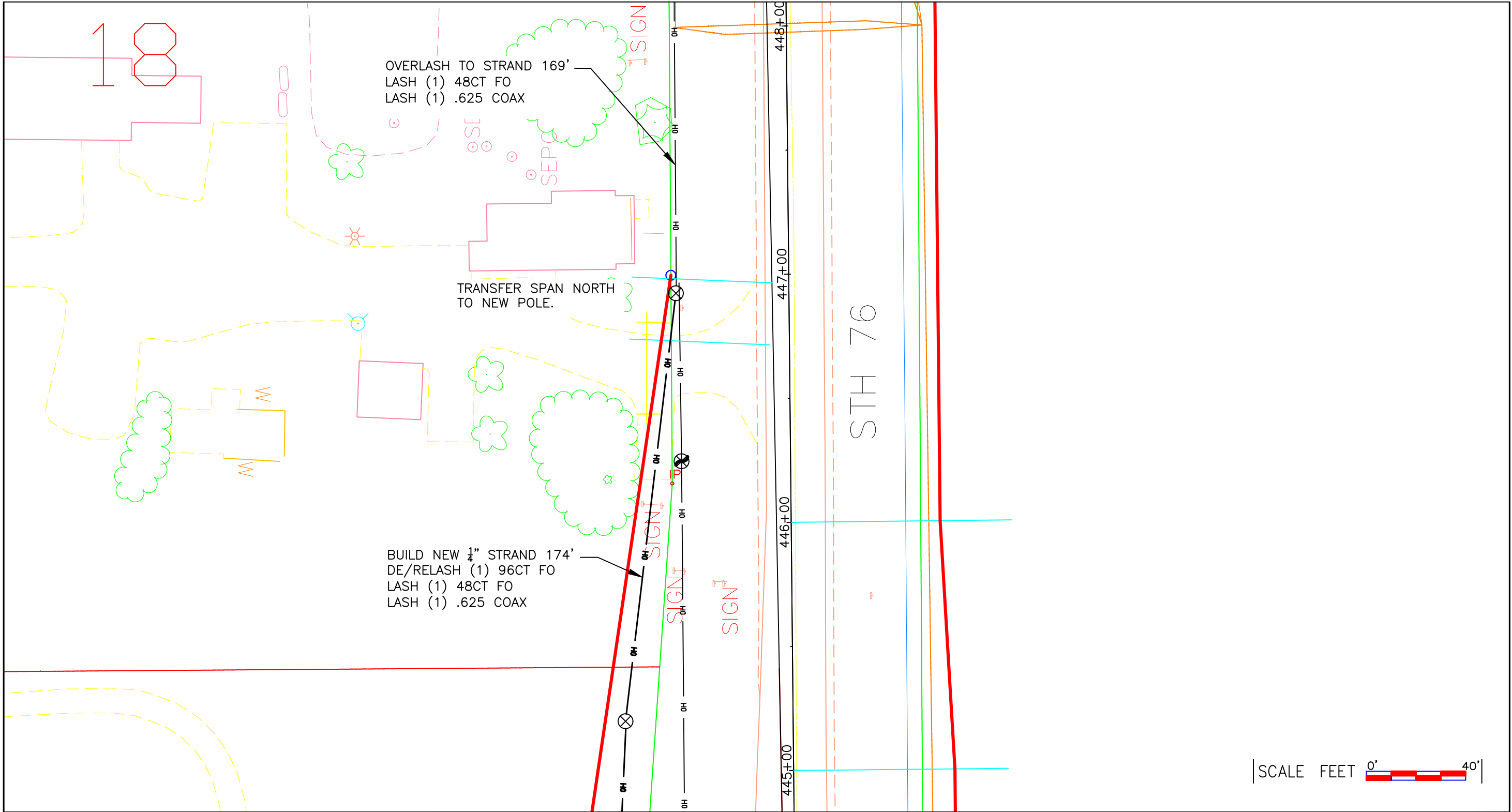
PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915



ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELDED BY:	DATE:		
Darrell Gore		16	
DRAFTED BY:	DATE:		
Darrell Gore		17	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:	18	



LEGEND

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

LINETYPES

STRAND PROPOSED	DH	DH	DH
STRAND EXISTING	DH	DH	DH
PROPOSED UNDERGROUND	DH	DH	DH
JOINT U/G WITH POWER	DH	DH	DH
CABLE TV	TV	TV	TV
FIBER	FD	FD	FD
TELEPHONE	T	T	T
CITY CONDUIT	CUC	CUC	CUC
GAS	G	G	G
ELECTRICAL	E	E	E
MUSD	MUSD	MUSD	MUSD
STORM	STD	STD	STD
SANITARY	SAN	SAN	SAN
WATER	W	W	W
STEAM	STH	STH	STH
ROW	RDV	RDV	RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore		17	
DRAFTED BY:	DATE:		
Darrell Gore		18	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		19	

19

BUILD NEW $\frac{1}{4}$ " STRAND 171'
DE/RELASH (1) 96CT FO
LASH (1) 48CT FO
LASH (1) .625 COAX

INSTALL NEW POWER
SUPPLY THIS POLE.

BUILD NEW $\frac{1}{4}$ " STRAND 172'
DE/RELASH (1) 96CT FO
LASH (1) 48CT FO
LASH (1) .875 COAX
LASH (1) .625 COAX

PL NEW $\frac{3}{4}$ " TRIPPLE EYE ANCHOR
& $\frac{1}{4}$ " DG TO S (17'L)
BUILD RISER IN SE
QUAD OF POLE

TIE POINT FOR 96CT
& ALL COAX.

SCALE FEET 0' 40'

mi-TECH

LEGEND

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

LINETYPES

- | | | |
|----------------------|------|------|
| STRAND PROPOSED | DH | DH |
| STRAND EXISTING | DH | DH |
| PROPOSED UNDERGROUND | | |
| JOINT U/G WITH POWER | | |
| CABLE TV | TV | TV |
| FIBER | FD | FD |
| TELEPHONE | T | T |
| CITY CONDUIT | CUC | CUC |
| GAS | G | G |
| ELECTRICAL | E | E |
| MMSD | MMSD | MMSD |
| STORM | STD | STD |
| SANITARY | SAN | SAN |
| WATER | W | W |
| STEAM | STH | STH |
| ROW | RDV | RDV |

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915



ADDRESS
STH 76

FIELDED BY: Darrell Gore DATE:

DRAFTED BY: Darrell Gore DATE:

DESIGNED BY: DATE:

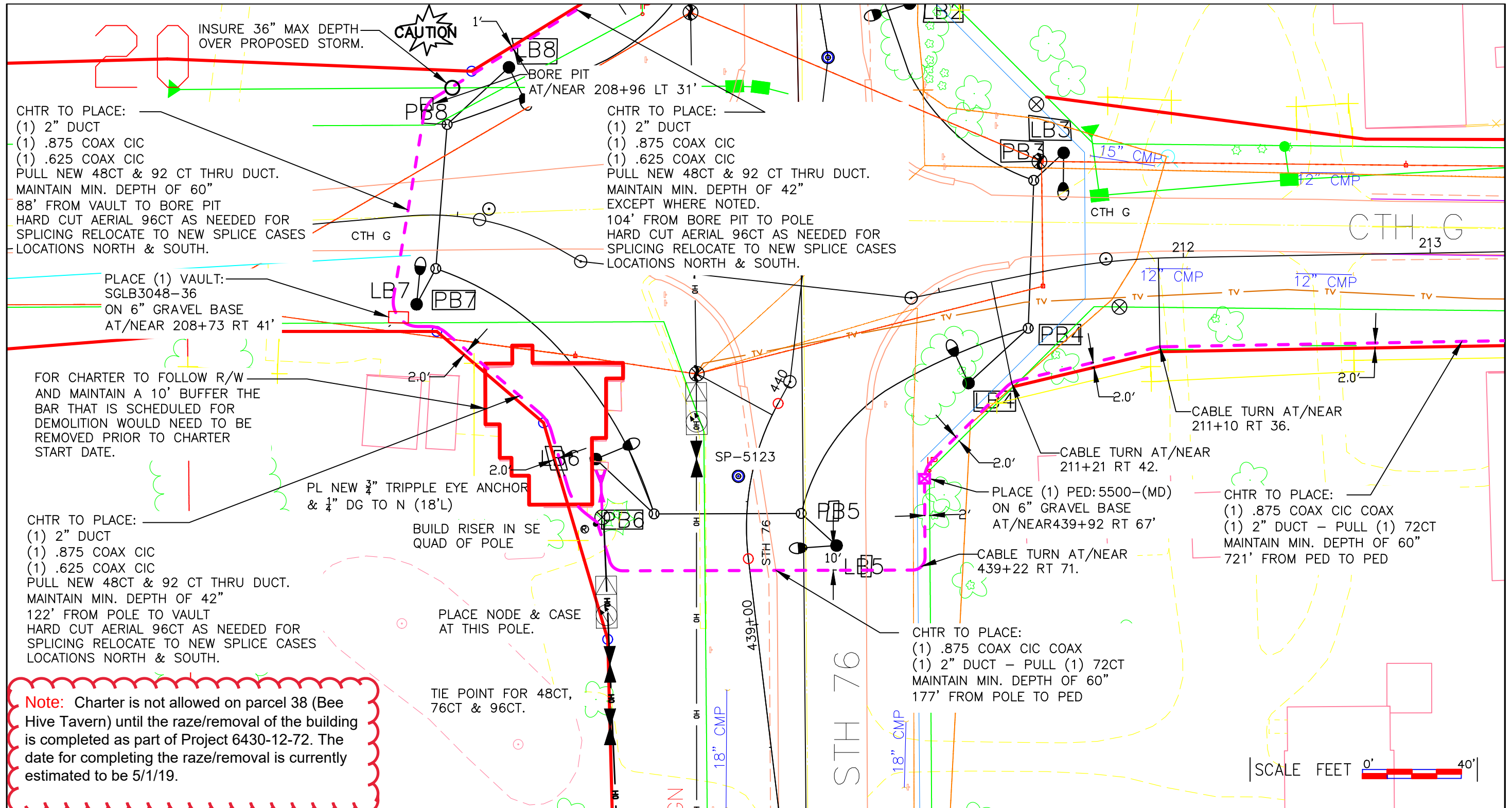
ASBUILTS BY: DATE:

LOCATION
WINNEBAGO, WI

18

19

20



Note: Charter is not allowed on parcel 38 (Bee Hive Tavern) until the raze/removal of the building is completed as part of Project 6430-12-72. The date for completing the raze/removal is currently estimated to be 5/1/19.



LEGEND

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

LINETYPES

— STRAND PROPOSED	— STRAND EXISTING
— PROPOSED UNDERGROUND	— JOINT U/G WITH POWER
— CABLE TV	— FIBER
— TELEPHONE	— CITY CONDUIT
— GAS	— ELECTRICAL
— MMSD	— SANITARY
— WATER	— STEAM
— ROW	— ROW

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS
STH 76

LOCATION
WINNEBAGO, WI

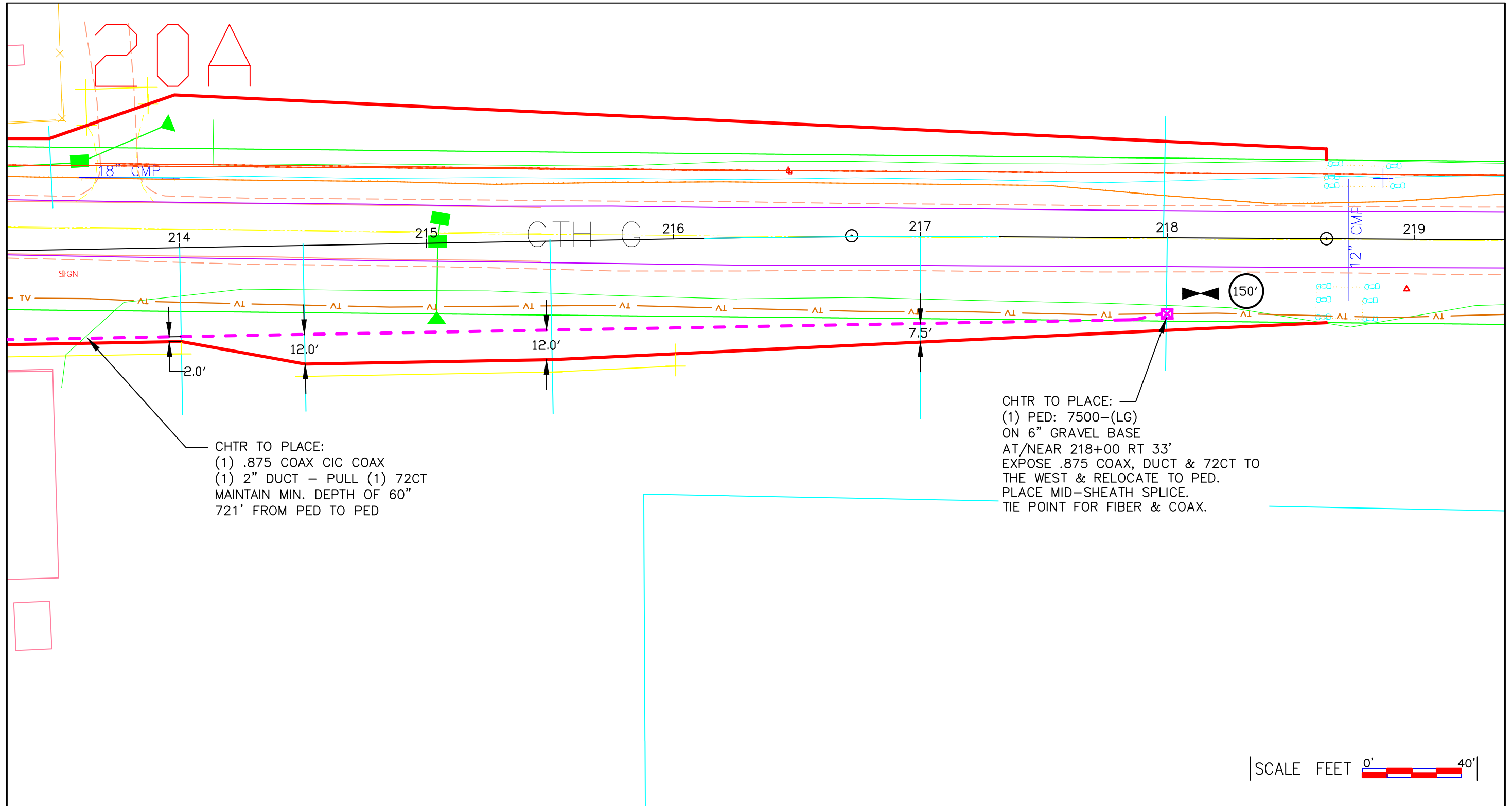
19	20A
20	
21	

FIELD BY: Darrell Gore

DRAFTED BY: Darrell Gore

DESIGNED BY:

ASBUILTS BY:



LEGEND

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

LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MUSD	MUSD	MUSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

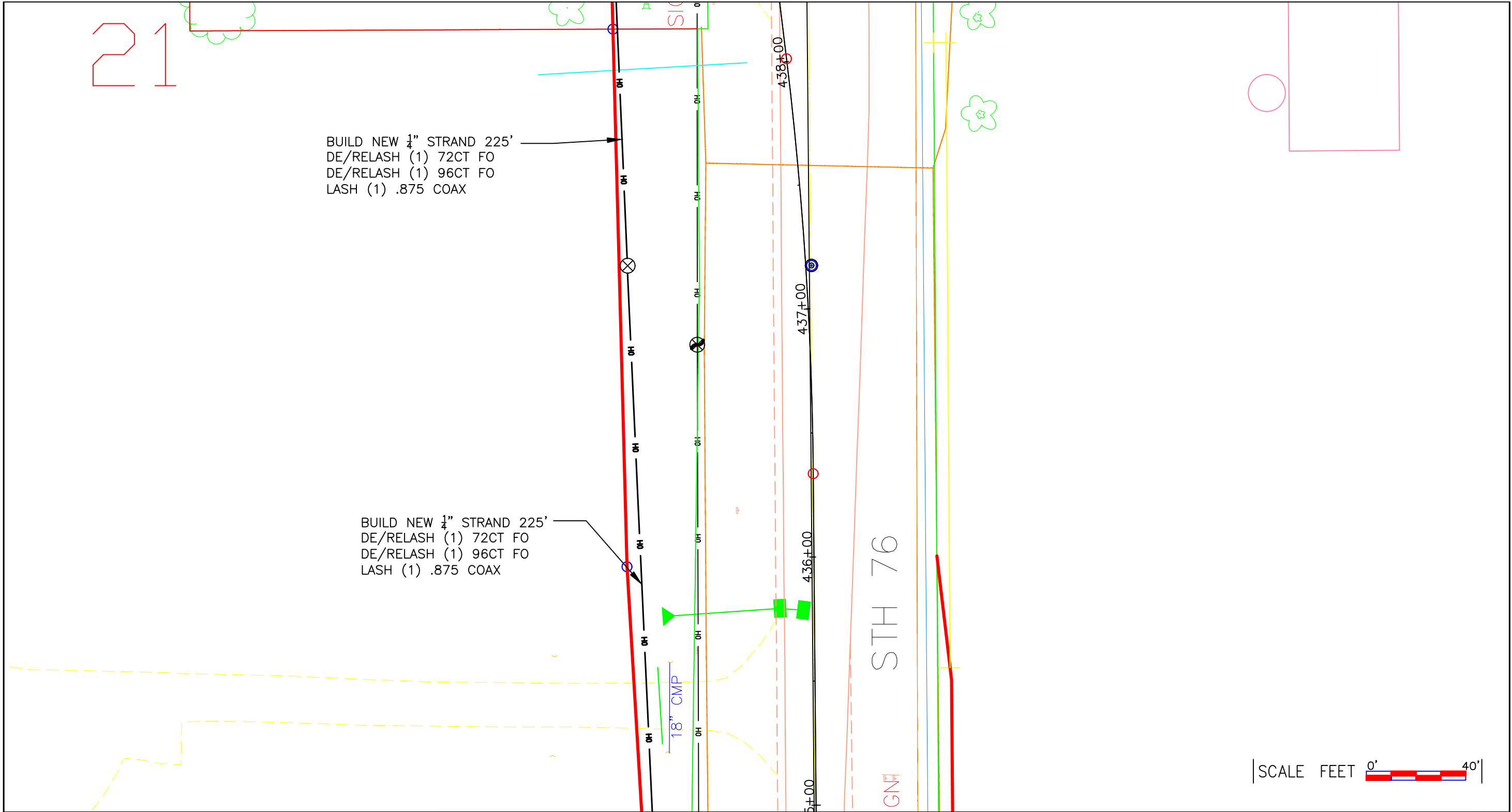
PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS	STH 76	LOCATION	WINNEBAGO, WI
FILED BY:	DATE:		
DRAFTED BY:	DATE:		
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		

	20	20A	



LEGEND

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

LINETYPES

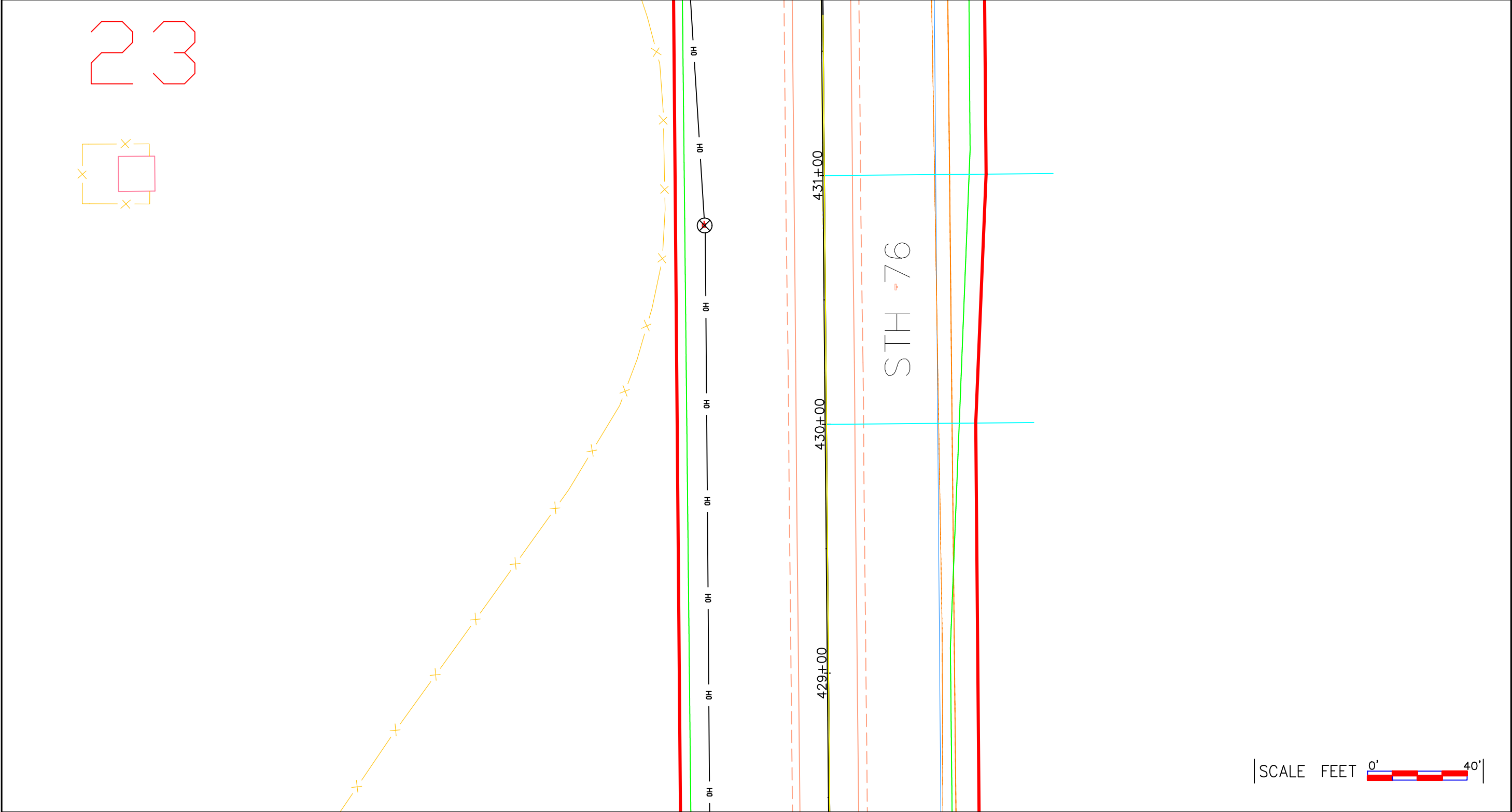
STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND	DH	DH
JOINT U/G WITH POWER	DH	DH
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore			20
DRAFTED BY:	DATE:		
Darrell Gore			21
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
			22



LEGEND

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

LINETYPES

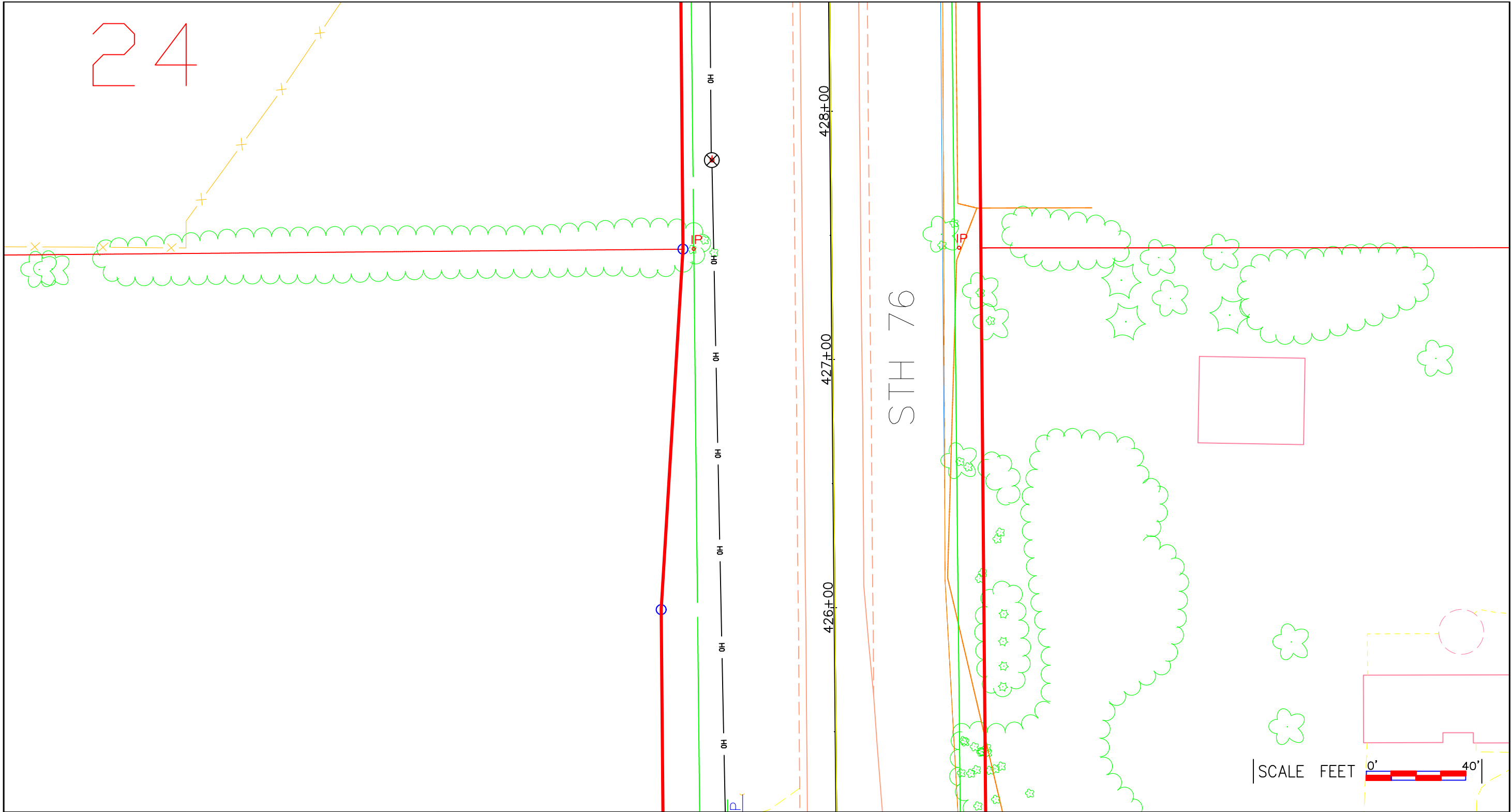
STRAND PROPOSED	— DH	— DH
STRAND EXISTING	— DH	— DH
PROPOSED UNDERGROUND	— DH	— DH
JOINT U/G WITH POWER	— DH	— DH
CABLE TV	— TV	— TV
FIBER	— FD	— FD
TELEPHONE	— T	— T
CITY CONDUIT	— CUC	— CUC
GAS	— G	— G
ELECTRICAL	— E	— E
WMSD	— WMSD	— WMSD
STORM	— STD	— STD
SANITARY	— SAN	— SAN
WATER	— V	— V
STEAM	— STH	— STH
ROW	— RDV	— RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY: Darrell Gore	DATE:		22
DRAFTED BY: Darrell Gore	DATE:		23
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		24



	LEGEND				LINETYPES STRAND PROPOSED STRAND EXISTING JOINT U/G WITH POWER CABLE TV FIBER TELEPHONE CITY CONDUIT GAS ELECTRICAL WMSD STORM SANITARY WATER STEAM ROW		ADDRESS STH 76		LOCATION WINNEBAGO, WI	
	● JOINT POLE	▲ ANCHOR	□ MANHOLE	⚡ NEW GROUND			FIELD BY: Darrell Gore	DATE:	23	
	● NEW JOINT POLE	▲ NEW ANCHOR	⬢ EXISTING FIBER COIL	⚡ NEW ANCHOR			DRAFTED BY: Darrell Gore	DATE:		
	✕ POWER POLE	▲ JOINT ANCHOR	⬢ NEW FIBER COIL	⚡ NEW JOINT ANCHOR			DESIGNED BY:	DATE:		
	✕ NEW POWER POLE	▲ NEW JOINT ANCHOR	⬢ EXISTING HAND HOLE	⚡ FOREIGN ANCHOR			ASBUILTS BY:	DATE:		
○ TELEPHONE POLE	▲ NEW JOINT ANCHOR	⬢ NEW HAND HOLE	⚡ DOWNGUY							
● NEW TELEPHONE POLE	▲ NEW JOINT ANCHOR	⬢ NEW HAND HOLE	⚡ NEW DOWNGUY							
■ EXISTING PEDESTAL	▲ NEW DOWNGUY	⬢ SHRUBS	⚡ UTILITY VALVE							
■ NEW PEDESTAL	○ UTILITY VALVE	⬢ DECIDUOUS TREE								

25

CHTR TO PLACE:
(1) .625 COAX CIC
MAINTAIN MIN. DEPTH OF 60"
168' FROM POLE TO PED

DISCONTINUE
EXISTING IN PLACE.

KELLETT RD

STH 76

DISCONTINUE
EXISTING IN PLACE.

EXISTING PED

CHTR TO PLACE:
(1) .625 COAX CIC
MAINTAIN MIN. DEPTH OF 60"
107' FROM POLE TO PED

REUSE EXISTING
RISER

0' 40'
FEET

mi-TECH

LEGEND

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

LINETYPES

- | | | |
|----------------------|------|------|
| STRAND PROPOSED | DH | DH |
| STRAND EXISTING | DH | DH |
| PROPOSED UNDERGROUND | | |
| JOINT U/G WITH POWER | | |
| CABLE TV | TV | TV |
| FIBER | FD | FD |
| TELEPHONE | T | T |
| CITY CONDUIT | CUC | CUC |
| GAS | G | G |
| ELECTRICAL | E | E |
| WMSD | WMSD | WMSD |
| STORM | STD | STD |
| SANITARY | SAN | SAN |
| WATER | V | V |
| STEAM | STH | STH |
| ROW | RDV | RDV |

PROJECT #124031

Charter
COMMUNICATIONS
3520 DESTINATION DR
APPLETON, WI 54915



ADDRESS

STH 76

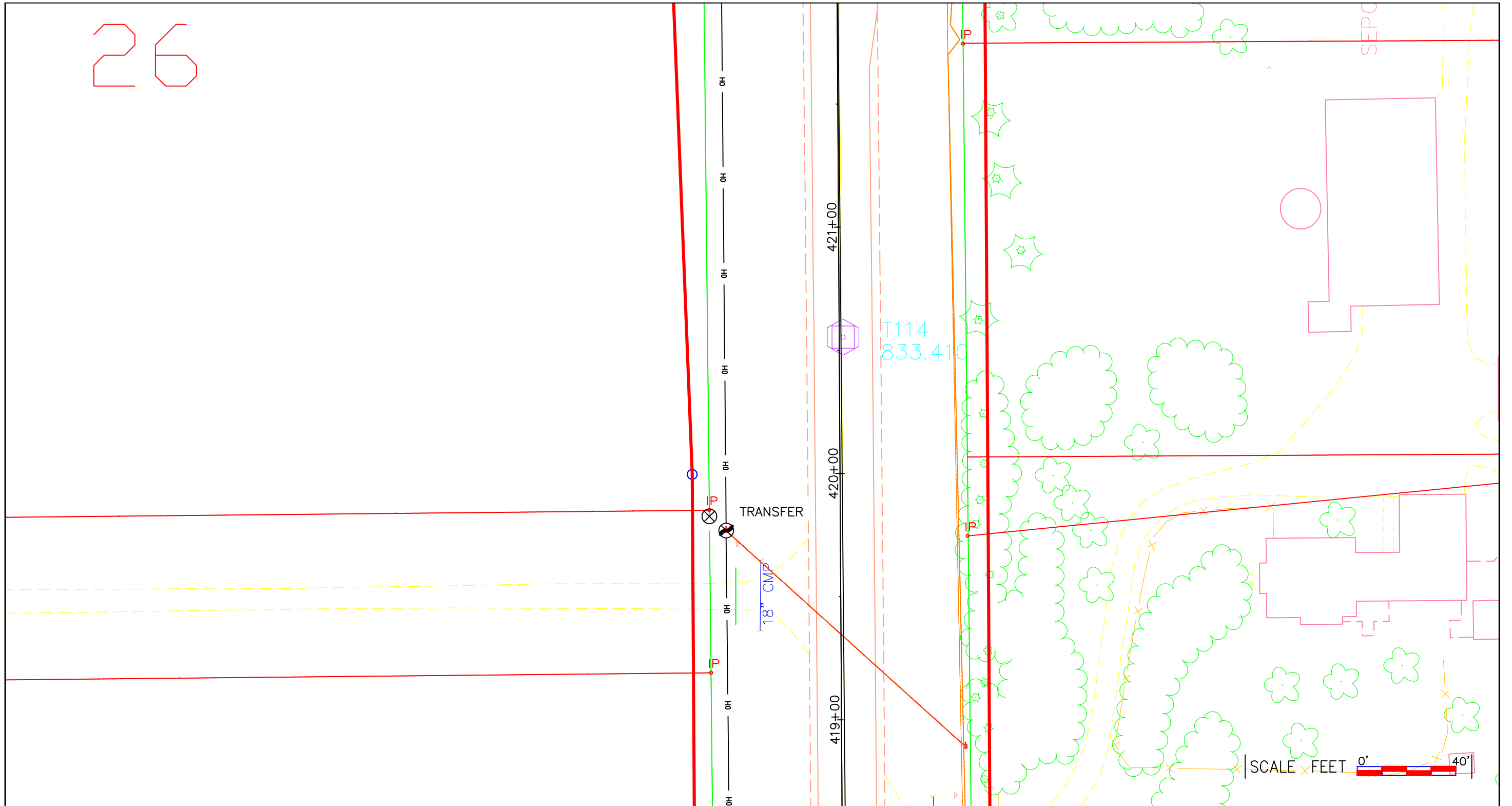
FILED BY:	DATE:
Darrell Gore	
DRAFTED BY:	DATE:
Darrell Gore	
DESIGNED BY:	DATE:
ASBUILTS BY:	DATE:

LOCATION

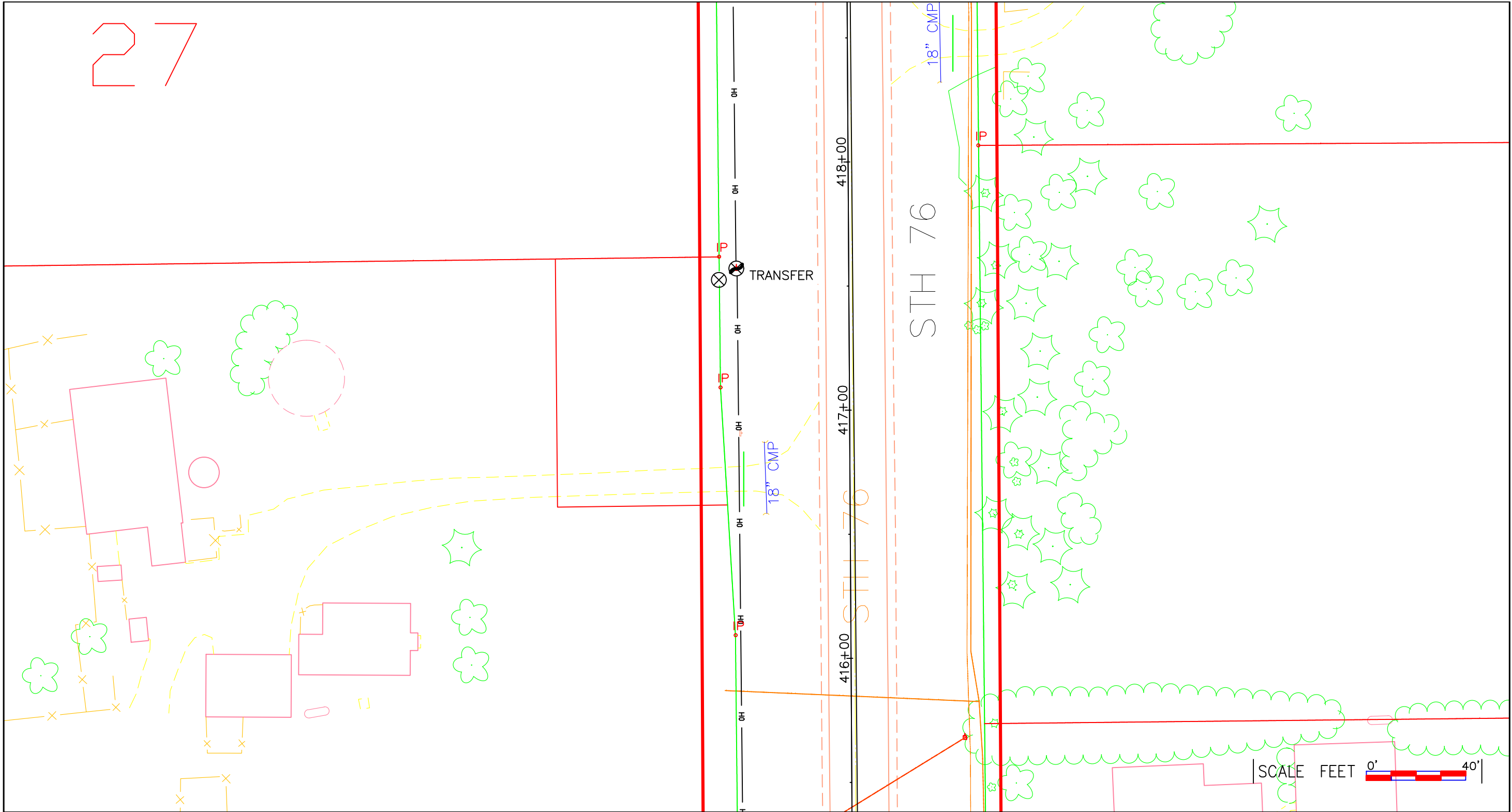
WINNEBAGO, WI

	24	
	25	
	26	

26



	LEGEND				LINETYPES STRAND PROPOSED STRAND EXISTING JOINT U/G WITH POWER CABLE TV FIBER TELEPHONE CITY CONDUIT GAS ELECTRICAL MMSD STORM SANITARY WATER STEAM ROW	PROJECT #124031 3520 DESTINATION DR APPLETON, WI 54915		ADDRESS STH 76		LOCATION WINNEBAGO, WI	
	● JOINT POLE	▲ ANCHOR	□ MANHOLE	⚡ NEW GROUND				FIELD BY: Darrell Gore	DATE:	25	
	× POWER POLE	▲ NEW ANCHOR	⬢ EXISTING FIBER COIL	⚡ NEW ANCHOR				DRAFTED BY: Darrell Gore	DATE:		
	○ TELEPHONE POLE	▲ NEW JOINT ANCHOR	⬢ NEW FIBER COIL	⚡ NEW JOINT ANCHOR				DESIGNED BY:	DATE:		
● NEW TELEPHONE POLE	▲ FOREIGN ANCHOR	⬢ EXISTING HAND HOLE	⚡ FOREIGN ANCHOR	⚡ DOWNGUY	ASBUILTS BY:	DATE:					
■ EXISTING PEDESTAL	▲ NEW DOWNGUY	⬢ NEW HAND HOLE	⚡ NEW DOWNGUY	⚡ UTILITY VALVE							
■ NEW PEDESTAL	○ UTILITY VALVE	⬢ DECIDUOUS TREE	⚡ CONIFEROUS TREE								



LEGEND

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

LINETYPES

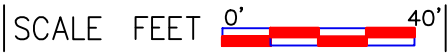
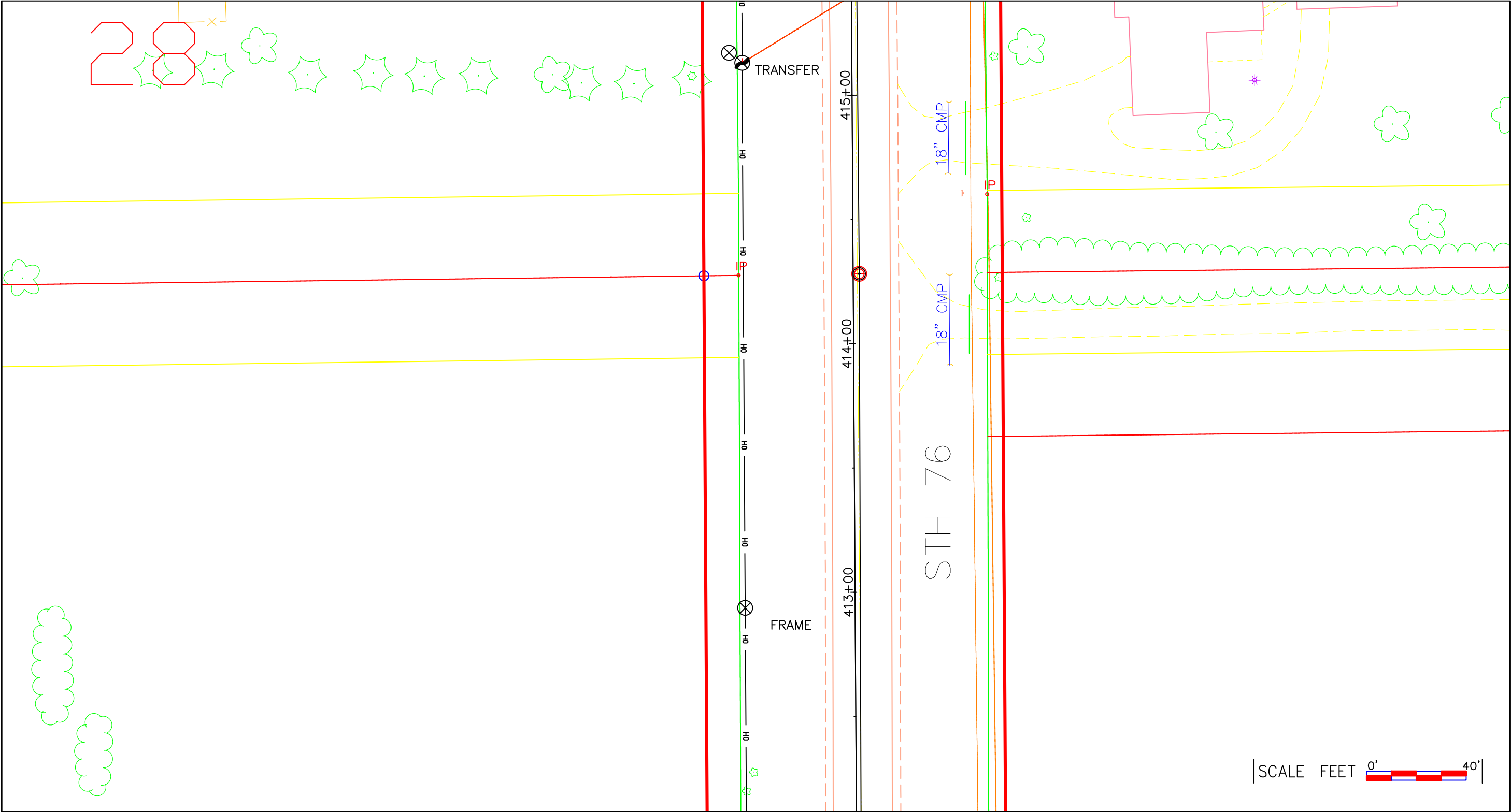
STRAND PROPOSED	OH	OH
STRAND EXISTING	OH	OH
JOINT U/G WITH POWER	OH	OH
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore			26
DRAFTED BY:	DATE:		
Darrell Gore			27
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
			28

SCALE FEET 0' 40'



LEGEND

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

LINETYPES

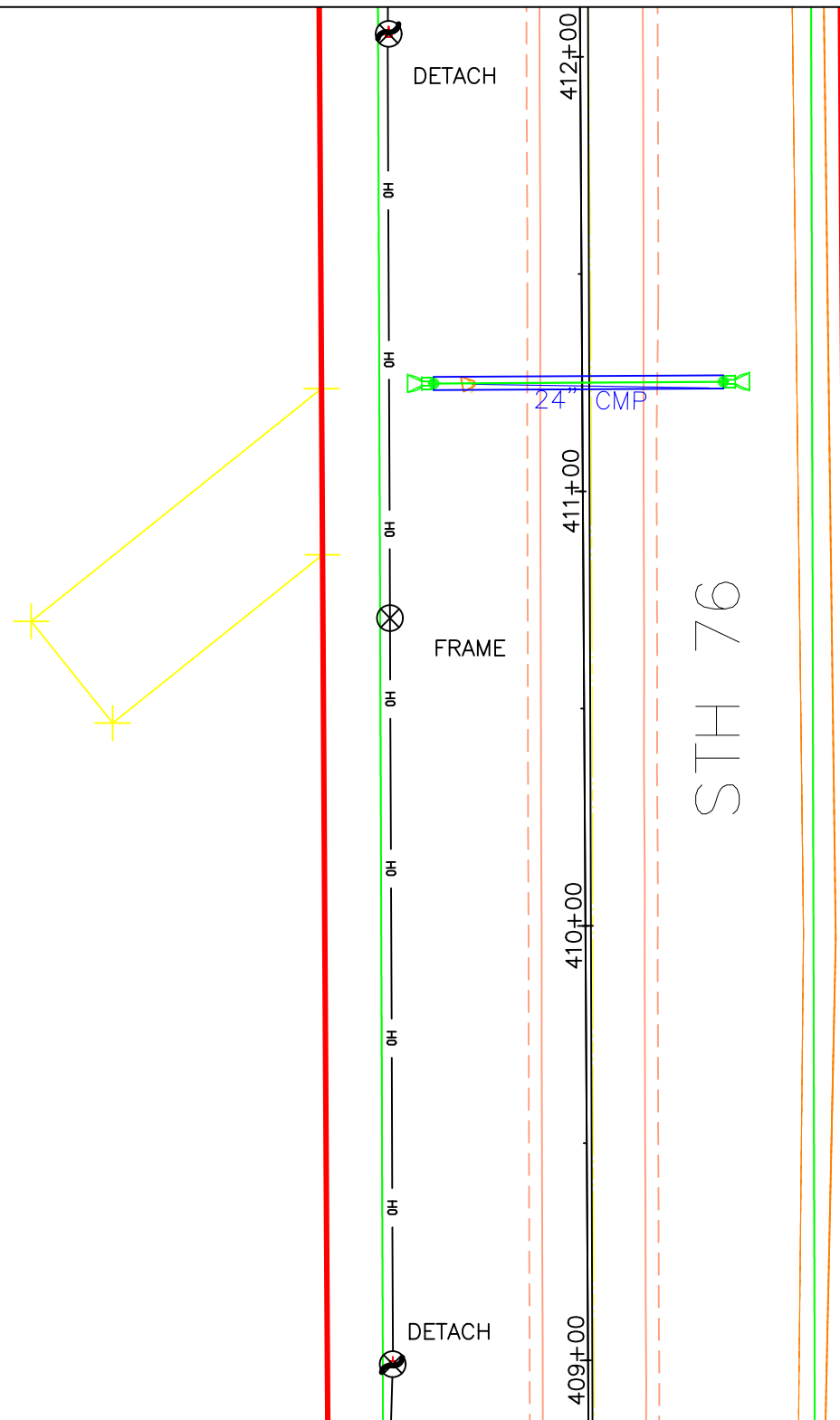
STRAND PROPOSED	— DH —	— DH —
STRAND EXISTING	— DH —	— DH —
PROPOSED UNDERGROUND	— DH —	— DH —
JOINT U/G WITH POWER	— DH —	— DH —
CABLE TV	— TV —	— TV —
FIBER	— FD —	— FD —
TELEPHONE	— T —	— T —
CITY CONDUIT	— CUC —	— CUC —
GAS	— G —	— G —
ELECTRICAL	— E —	— E —
MMSD	— MMSD —	— MMSD —
STORM	— STD —	— STD —
SANITARY	— SAN —	— SAN —
WATER	— W —	— W —
STEAM	— STH —	— STH —
ROW	— RDV —	— RDV —

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore			27
DRAFTED BY:	DATE:		
Darrell Gore			28
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
			29

29



SCALE FEET 0' 40'

mi-TECH

LEGEND

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

LINETYPES

- | | | |
|----------------------|------|------|
| STRAND PROPOSED | DH | DH |
| STRAND EXISTING | DH | DH |
| PROPOSED UNDERGROUND | | |
| JOINT U/G WITH POWER | | |
| CABLE TV | TV | TV |
| FIBER | FD | FD |
| TELEPHONE | T | T |
| CITY CONDUIT | CUC | CUC |
| GAS | G | G |
| ELECTRICAL | E | E |
| MMSD | MMSD | MMSD |
| STORM | STD | STD |
| SANITARY | SAN | SAN |
| WATER | W | W |
| STEAM | STH | STH |
| ROW | RDV | RDV |

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915



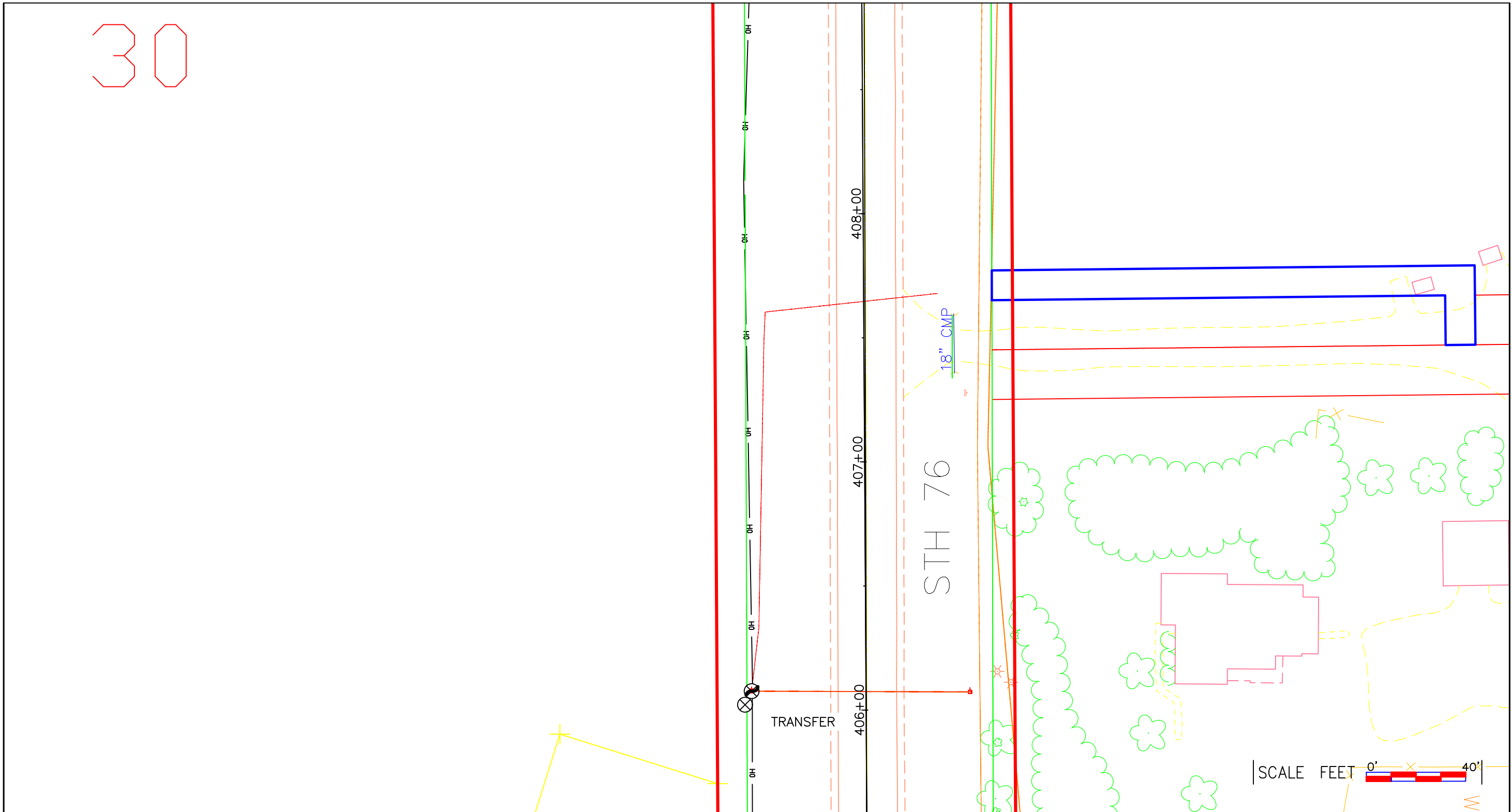
ADDRESS
STH 76

FILED BY:	DATE:
Darrell Gore	
DRAFTED BY:	DATE:
Darrell Gore	
DESIGNED BY:	DATE:
ASBUILTS BY:	DATE:

LOCATION
WINNEBAGO, WI

	28	
	29	
	30	

30



LEGEND

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

LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

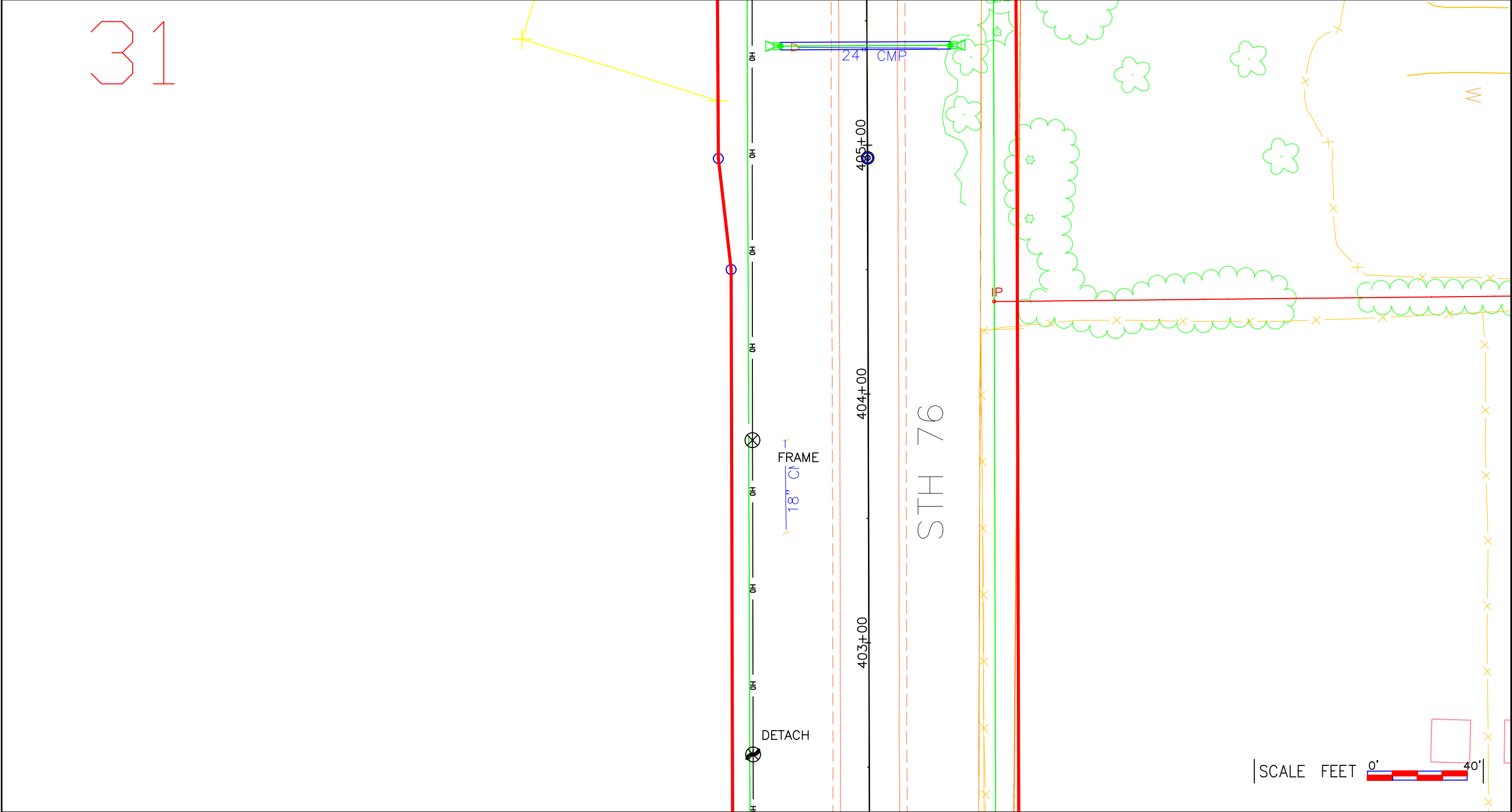
PROJECT #124031

Charter

COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELDED BY: Darrell Gore	DATE:	29	
DRAFTED BY: Darrell Gore	DATE:		30
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		31



LEGEND

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

LINETYPES

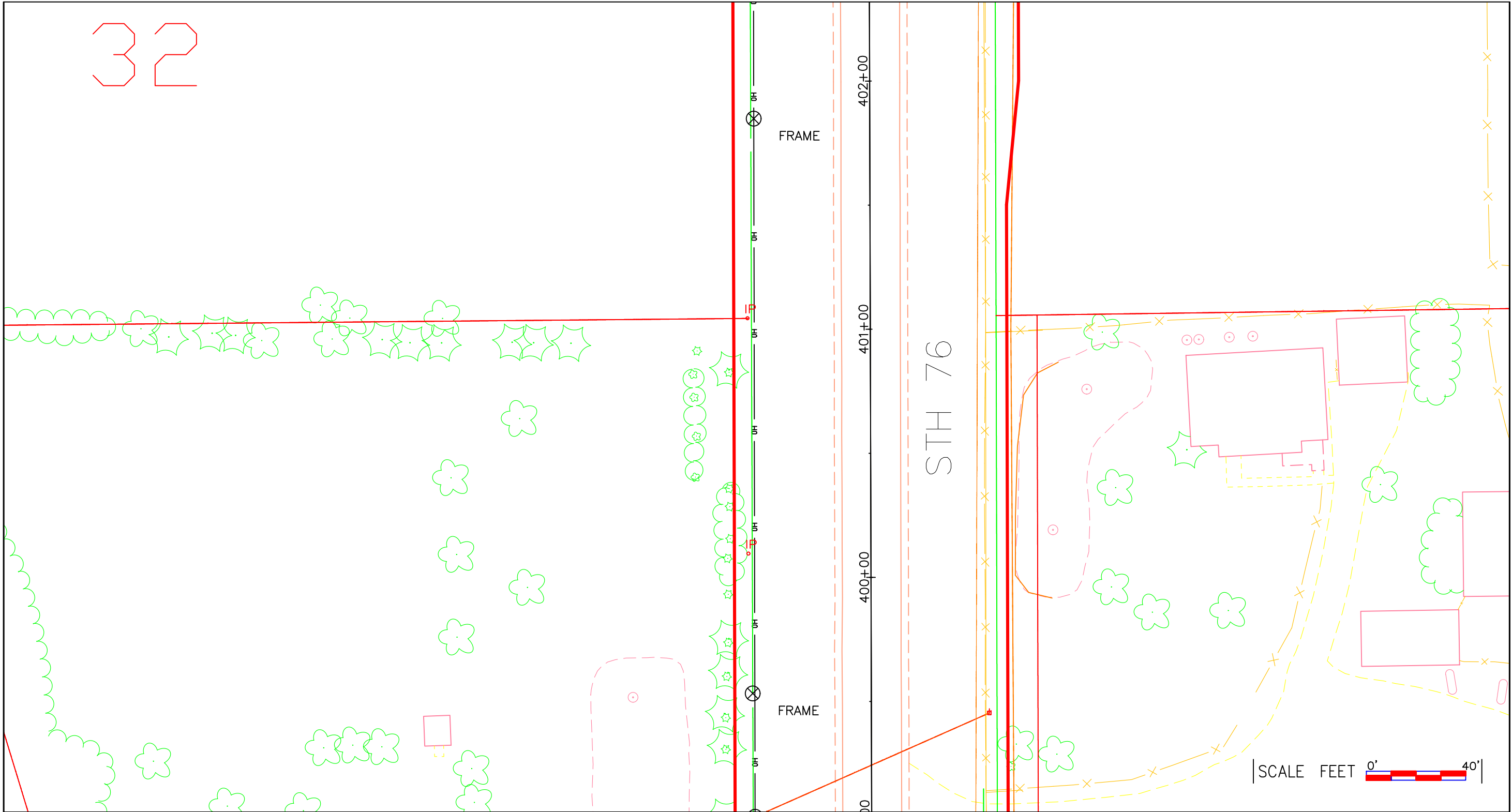
STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore		30	
DRAFTED BY:	DATE:		
Darrell Gore		31	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		32	



LEGEND

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

LINETYPES

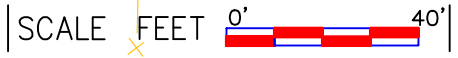
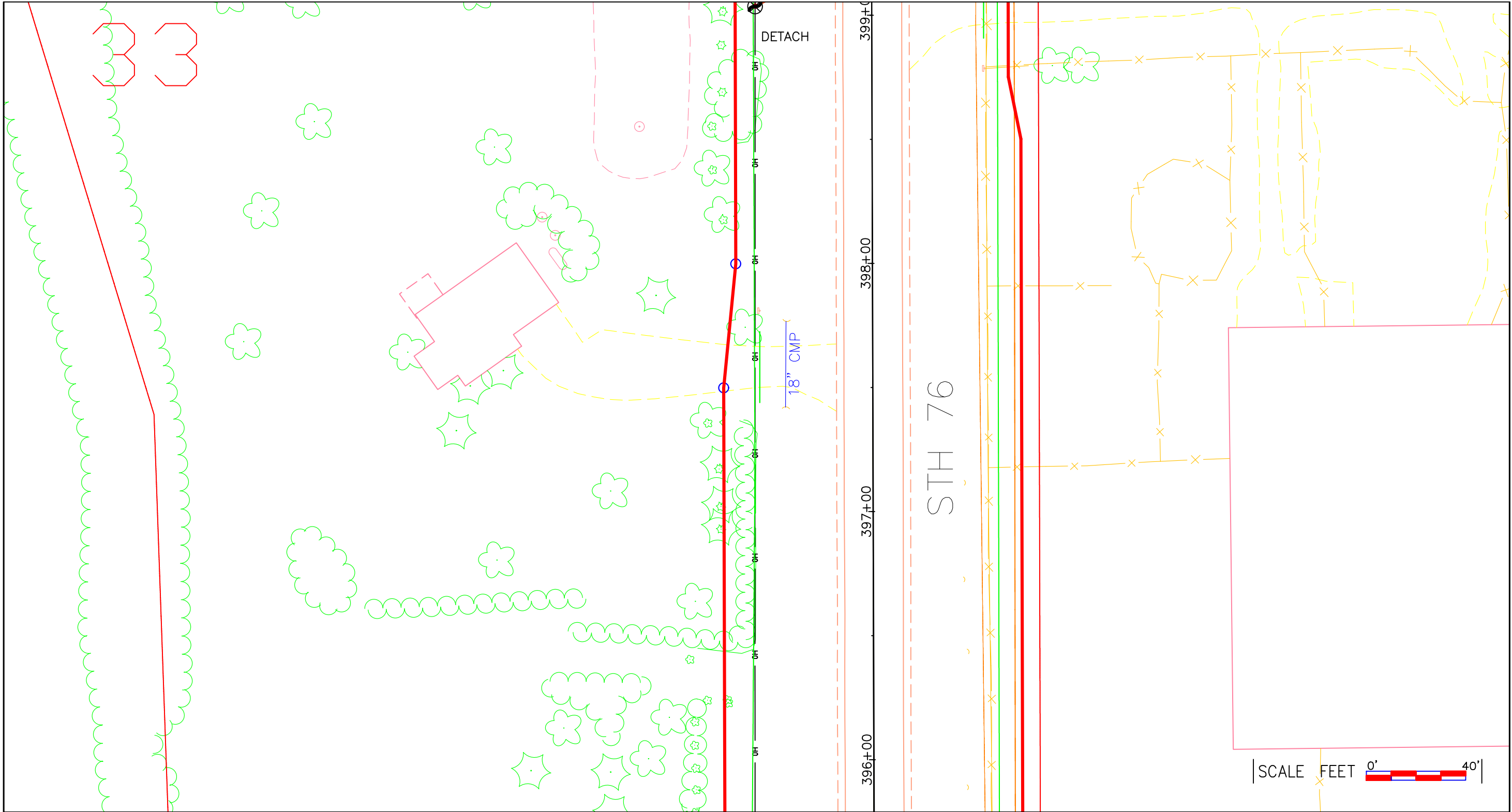
STRAND PROPOSED	— DH	— DH
STRAND EXISTING	— DH	— DH
PROPOSED UNDERGROUND	— DH	— DH
JOINT U/G WITH POWER	— DH	— DH
CABLE TV	— TV	— TV
FIBER	— FD	— FD
TELEPHONE	— T	— T
CITY CONDUIT	— CUC	— CUC
GAS	— G	— G
ELECTRICAL	— E	— E
MHSD	— MHSD	— MHSD
STORM	— STD	— STD
SANITARY	— SAN	— SAN
WATER	— W	— W
STEAM	— STH	— STH
ROW	— RDV	— RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore			31
DRAFTED BY:	DATE:		
Darrell Gore			32
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
			33



LEGEND

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

LINETYPES

STRAND PROPOSED	— DH —	— DH —
STRAND EXISTING	— DH —	— DH —
JOINT U/G WITH POWER	— TV —	— TV —
CABLE TV	— FD —	— FD —
FIBER	— T —	— T —
TELEPHONE	— CUC —	— CUC —
CITY CONDUIT	— G —	— G —
GAS	— E —	— E —
ELECTRICAL	— WWSB —	— WWSB —
WMSD	— STD —	— STD —
STORM	— SAN —	— SAN —
SANITARY	— V —	— V —
WATER	— STH —	— STH —
STEAM	— RDV —	— RDV —
ROW		

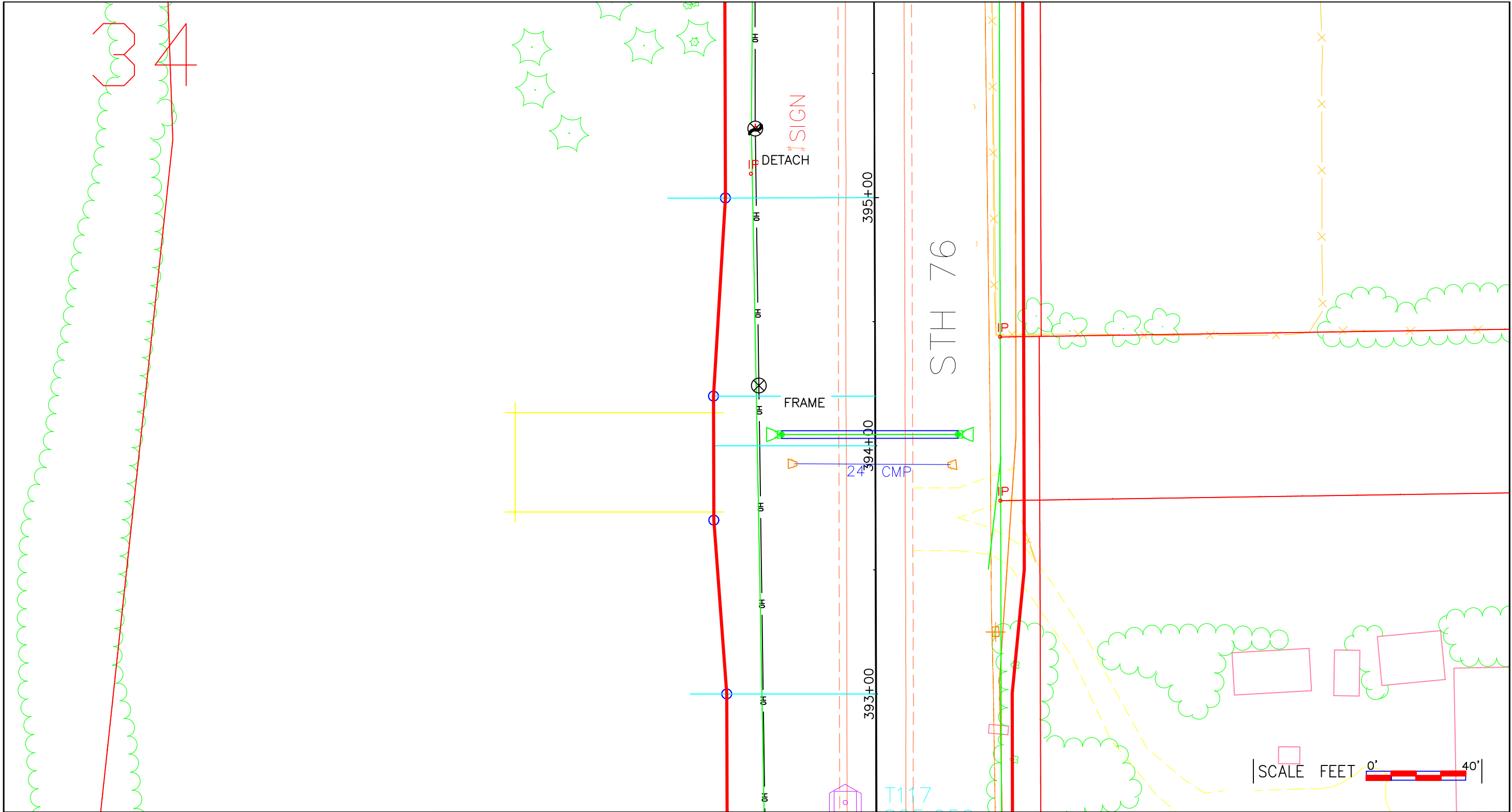
PROJECT #124031

Charter

COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore		32	
DRAFTED BY:	DATE:		
Darrell Gore		33	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:	34	



LEGEND

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

LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
JOINT U/G WITH POWER	DH	DH
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

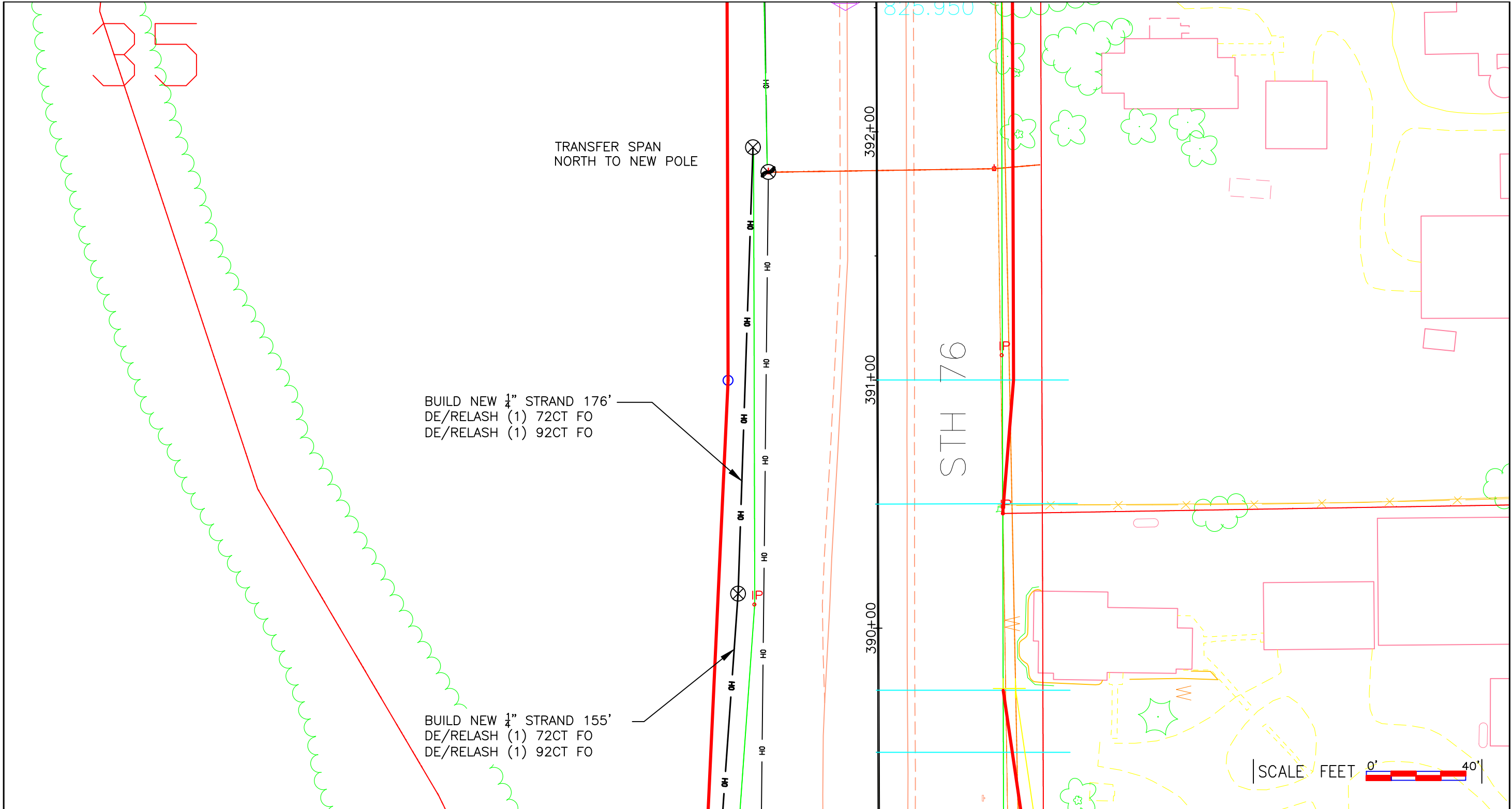
PROJECT #124031

Charter

COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore		33	
DRAFTED BY:	DATE:		
Darrell Gore		34	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		35	



LEGEND

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

LINETYPES

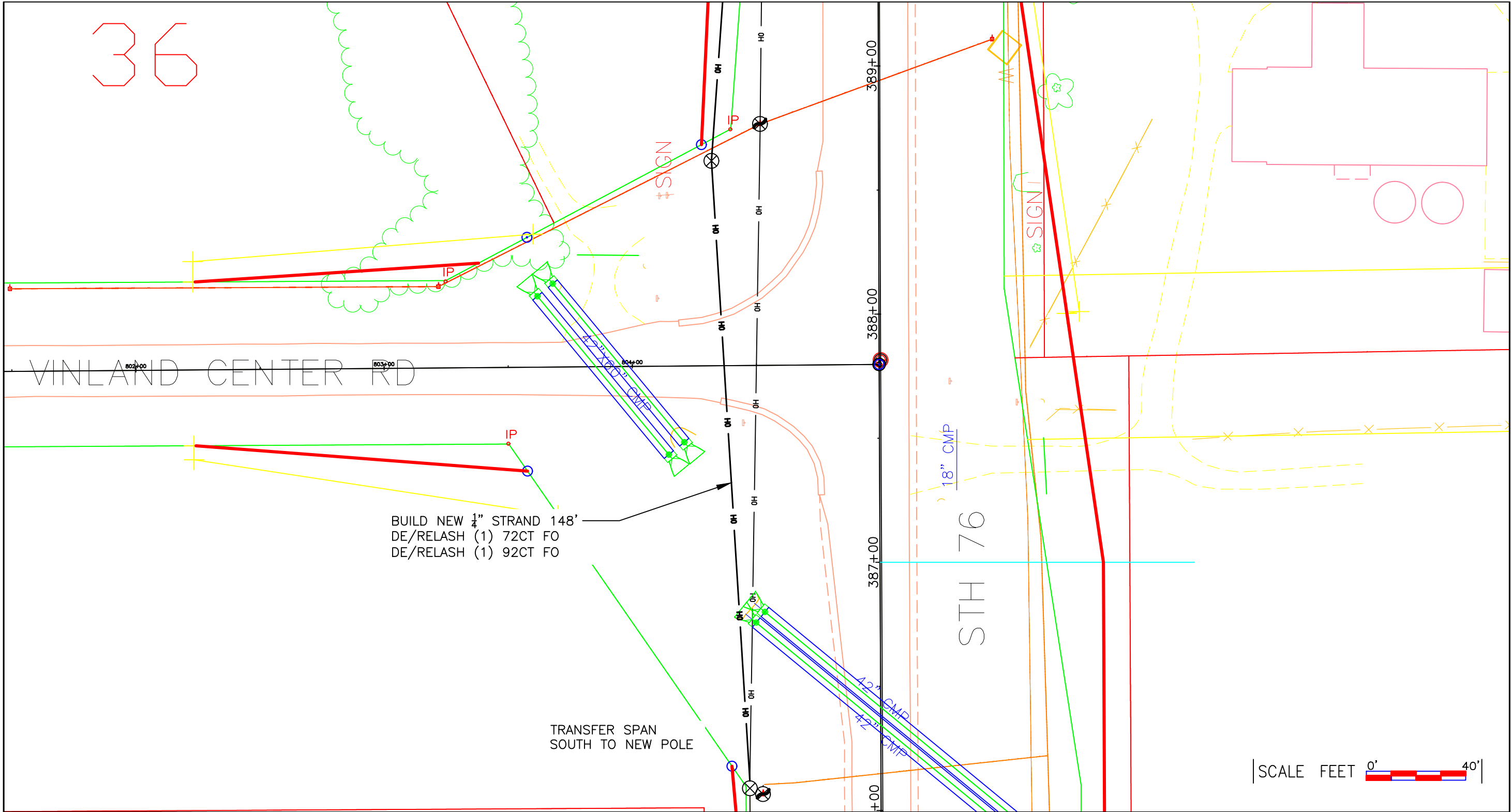
STRAND PROPOSED	— DH	— DH
STRAND EXISTING	— DH	— DH
PROPOSED UNDERGROUND	— DH	— DH
JOINT U/G WITH POWER	— DH	— DH
CABLE TV	— TV	— TV
FIBER	— FD	— FD
TELEPHONE	— T	— T
CITY CONDUIT	— CUC	— CUC
GAS	— G	— G
ELECTRICAL	— E	— E
MMSD	— MMSD	— MMSD
STORM	— STD	— STD
SANITARY	— SAN	— SAN
WATER	— W	— W
STEAM	— STH	— STH
ROW	— RDV	— RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore		34	
DRAFTED BY:	DATE:		
Darrell Gore		35	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		36	



LEGEND

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

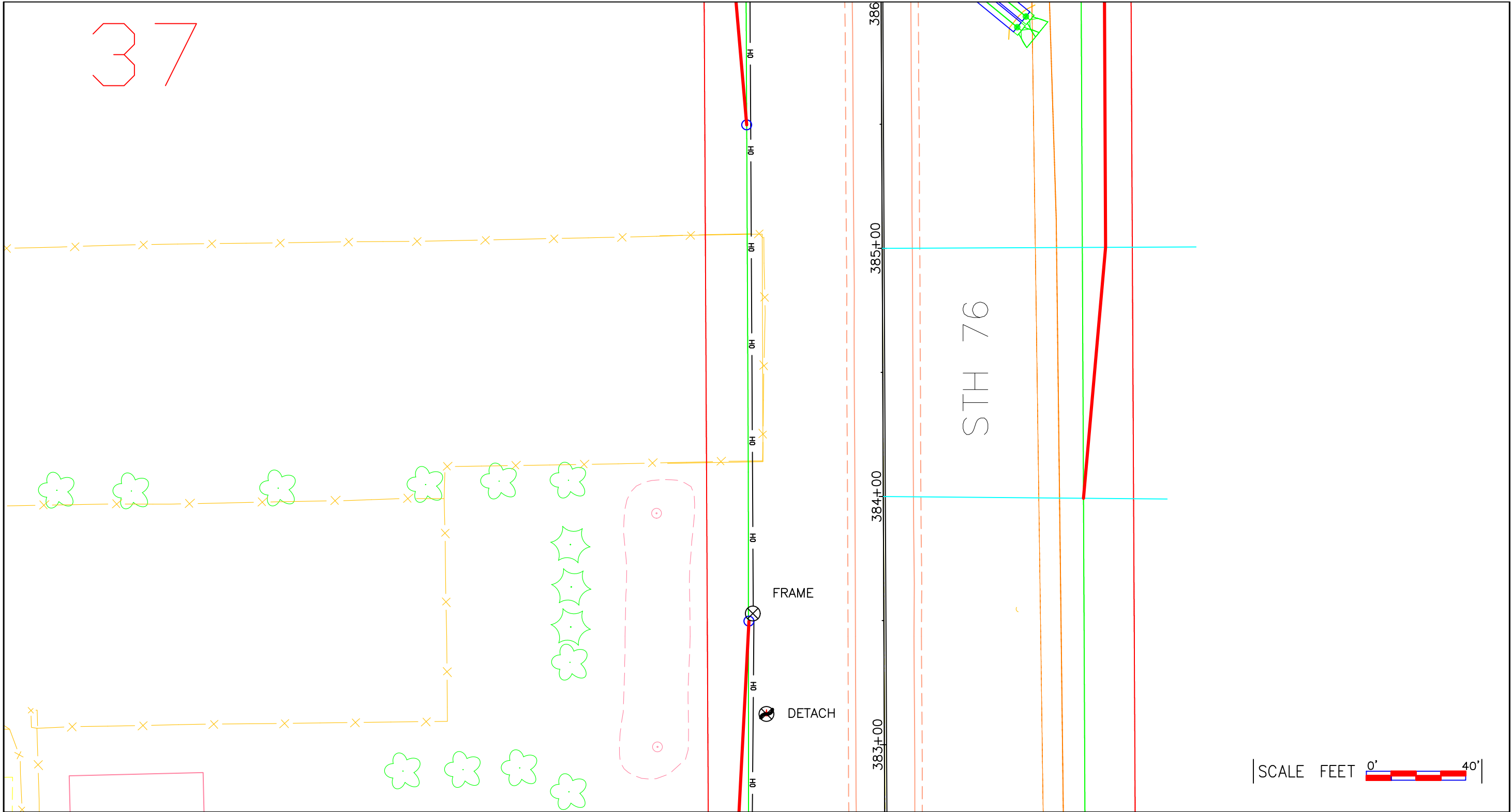
LINETYPES

STRAND PROPOSED	— DH —	— DH —
STRAND EXISTING	— DH —	— DH —
PROPOSED UNDERGROUND	— DH —	— DH —
JOINT U/G WITH POWER	— DH —	— DH —
CABLE TV	— TV —	— TV —
FIBER	— FD —	— FD —
TELEPHONE	— T —	— T —
CITY CONDUIT	— CUC —	— CUC —
GAS	— G —	— G —
ELECTRICAL	— E —	— E —
MMSD	— MMSD —	— MMSD —
STORM	— STD —	— STD —
SANITARY	— SAN —	— SAN —
WATER	— V —	— V —
STEAM	— STH —	— STH —
ROW	— RDV —	— RDV —

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY: Darrell Gore	DATE:	35	
DRAFTED BY: Darrell Gore	DATE:		36
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		37



SCALE FEET 0' 40'

LEGEND

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

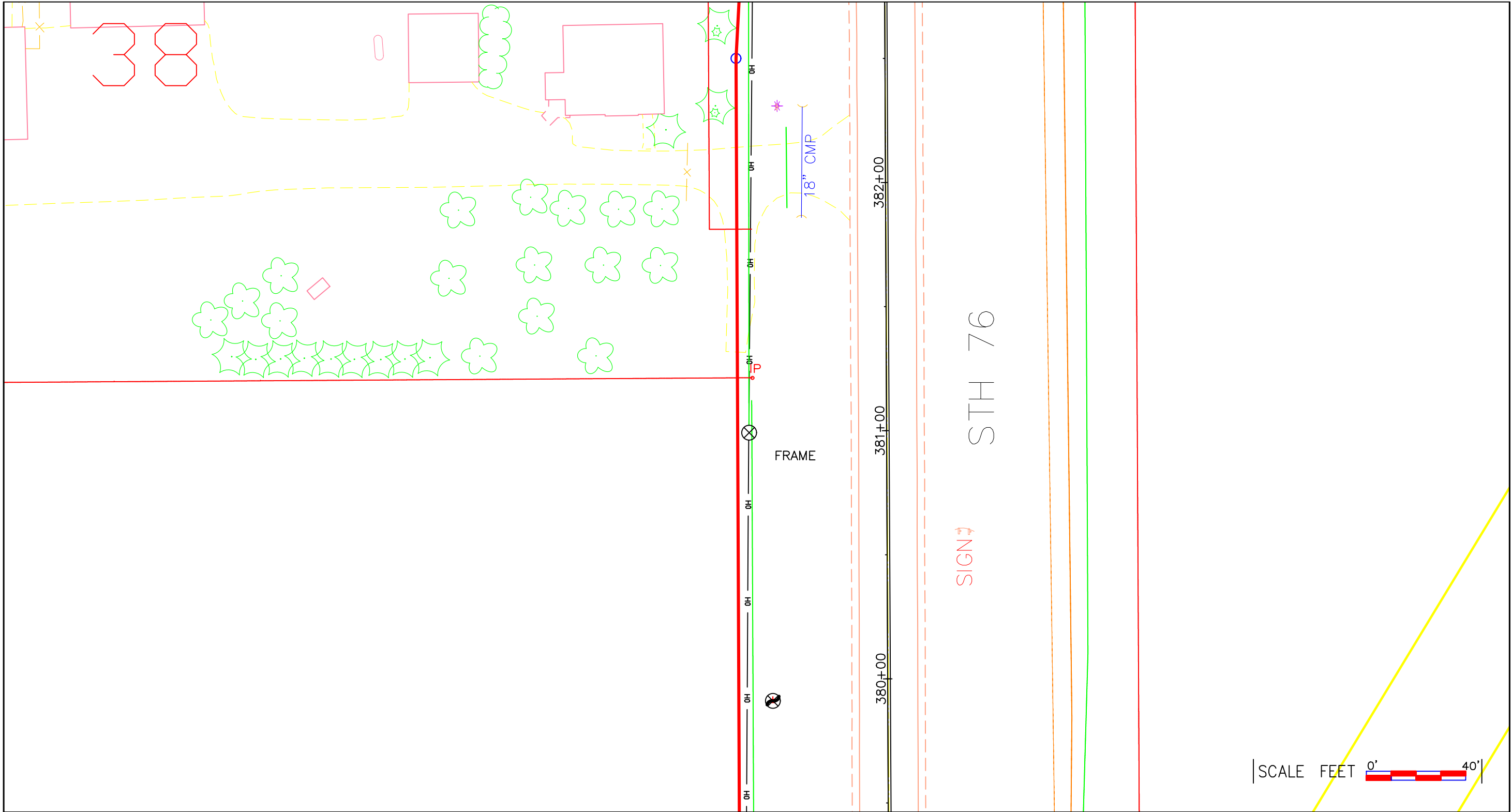
LINETYPES

STRAND PROPOSED	— DH —	— DH —
STRAND EXISTING	— DH —	— DH —
JOINT U/G WITH POWER	— DH —	— DH —
CABLE TV	— TV —	— TV —
FIBER	— FD —	— FD —
TELEPHONE	— T —	— T —
CITY CONDUIT	— CUC —	— CUC —
GAS	— G —	— G —
ELECTRICAL	— E —	— E —
MMSD	— MMSD —	— MMSD —
STORM	— STD —	— STD —
SANITARY	— SAN —	— SAN —
WATER	— W —	— W —
STEAM	— STH —	— STH —
ROW	— RDV —	— RDV —

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY: Darrell Gore	DATE:		36
DRAFTED BY: Darrell Gore	DATE:		37
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		38



LEGEND

● JOINT POLE	▲ ANCHOR	□ MANHOLE	⚡ NEW GROUND
● NEW JOINT POLE	▲ NEW ANCHOR	⬢ EXISTING FIBER COIL	— PL — PROPERTY LINE
✕ POWER POLE	✕ JOINT ANCHOR	⬢ NEW FIBER COIL	— CL — ROADWAY CENTERLINE
✕ NEW POWER POLE	✕ NEW JOINT ANCHOR	⬢ EXISTING HAND HOLE	● FIBER WARNING SIGN
○ TELEPHONE POLE	✕ FOREIGN ANCHOR	⬢ NEW HAND HOLE	⚡ TRAFFIC LIGHT
● NEW TELEPHONE POLE	⚡ DOWNGUY	🌳 SHRUBS	⚡ HYDRANT
■ EXISTING PEDESTAL	⚡ NEW DOWNGUY	🌳 DECIDUOUS TREE	⚡ SIGNS
■ NEW PEDESTAL	○ UTILITY VALVE		⚡ STREET LIGHT

LINETYPES

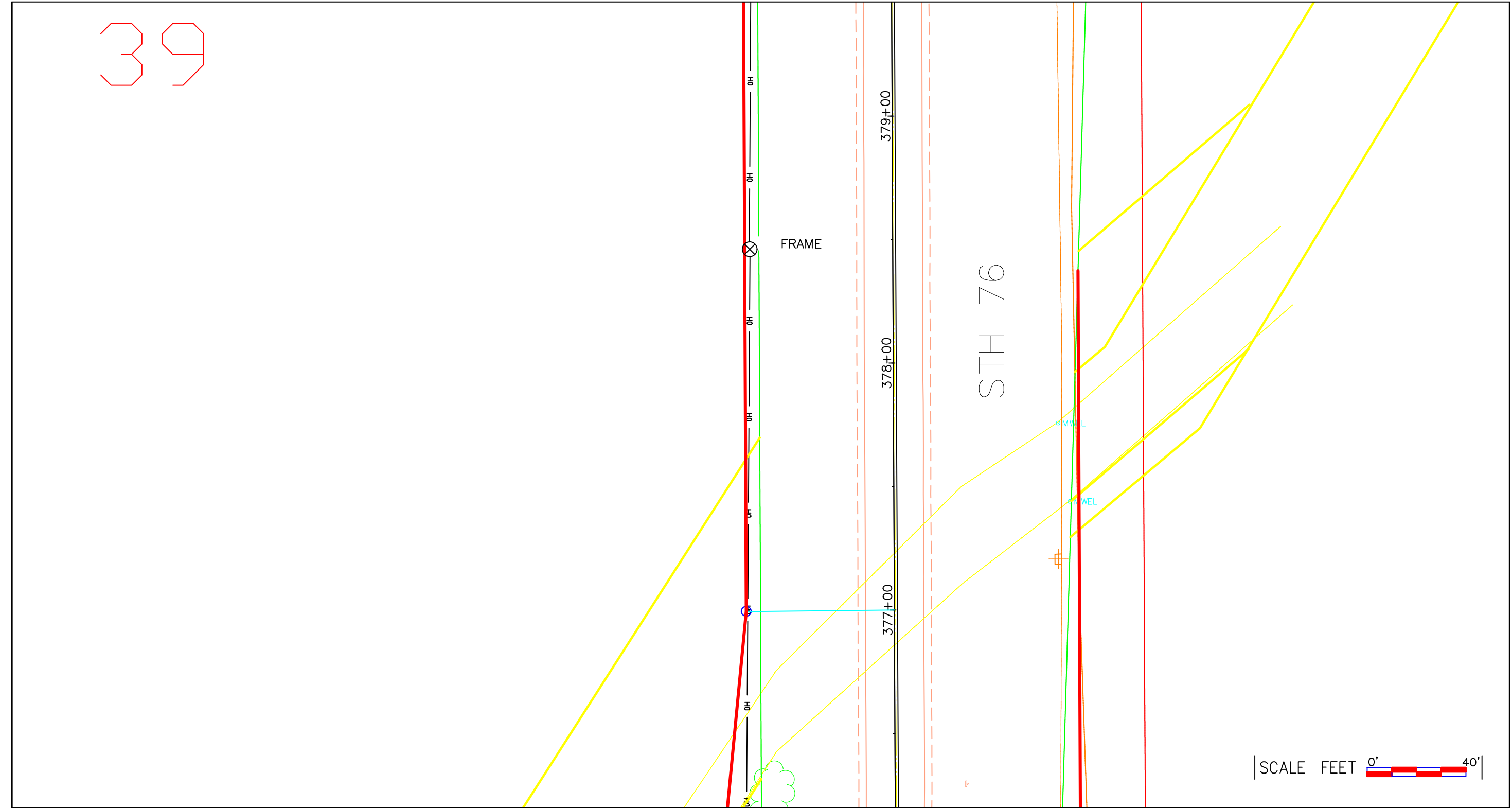
STRAND PROPOSED	— DH —	— DH —
STRAND EXISTING	— DH —	— DH —
PROPOSED UNDERGROUND	— DH —	— DH —
JOINT U/G WITH POWER	— DH —	— DH —
CABLE TV	— TV —	— TV —
FIBER	— FD —	— FD —
TELEPHONE	— T —	— T —
CITY CONDUIT	— CUC —	— CUC —
GAS	— G —	— G —
ELECTRICAL	— E —	— E —
MMSD	— MMSD —	— MMSD —
STORM	— STD —	— STD —
SANITARY	— SAN —	— SAN —
WATER	— W —	— W —
STEAM	— STH —	— STH —
ROW	— RDV —	— RDV —

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore		37	
DRAFTED BY:	DATE:		
Darrell Gore		38	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		39	

39



SCALE FEET 0' 40'

LEGEND

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

LINETYPES

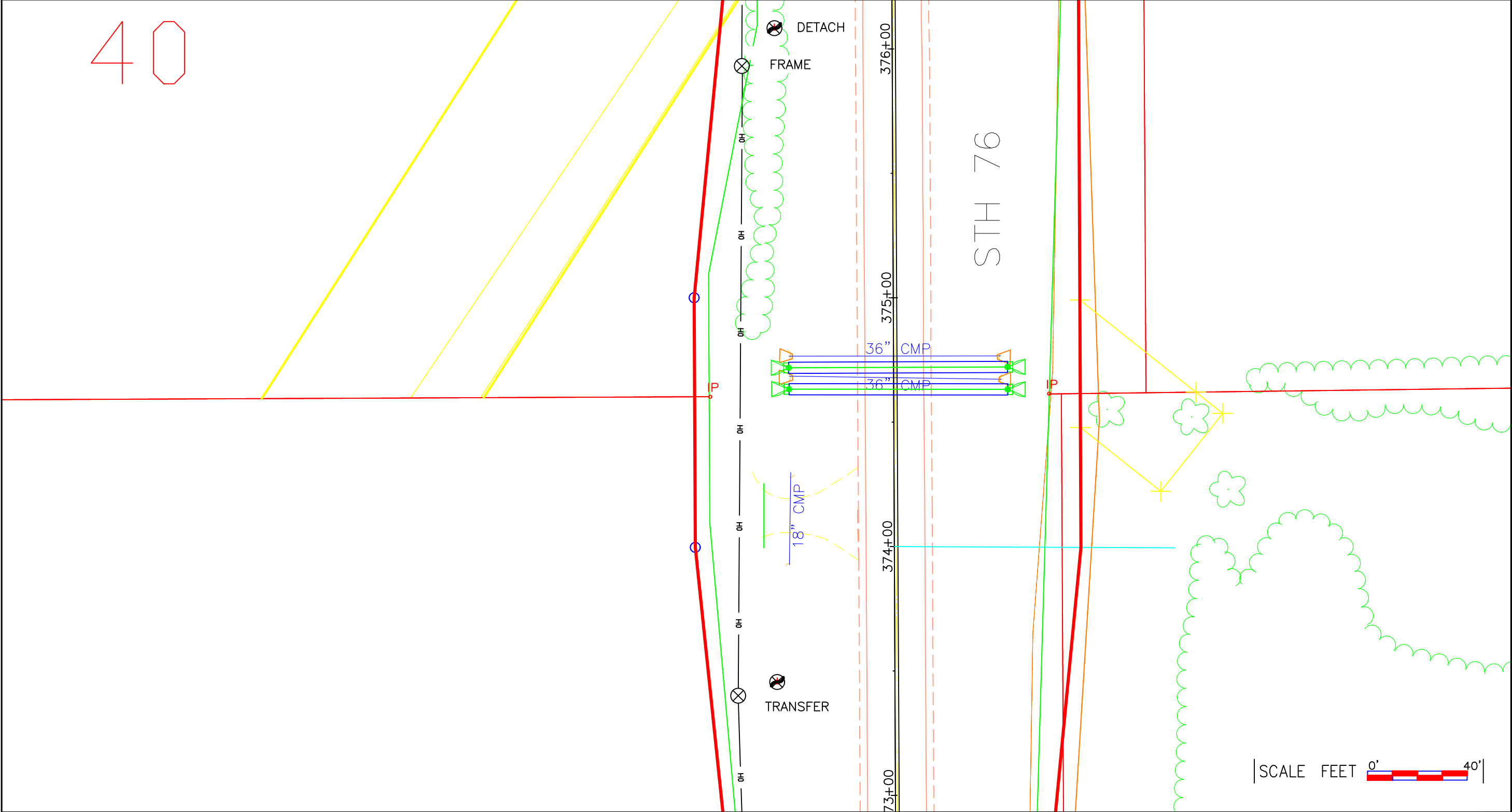
STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore		38	
DRAFTED BY:	DATE:		
Darrell Gore		39	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:	40	



LEGEND

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

LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

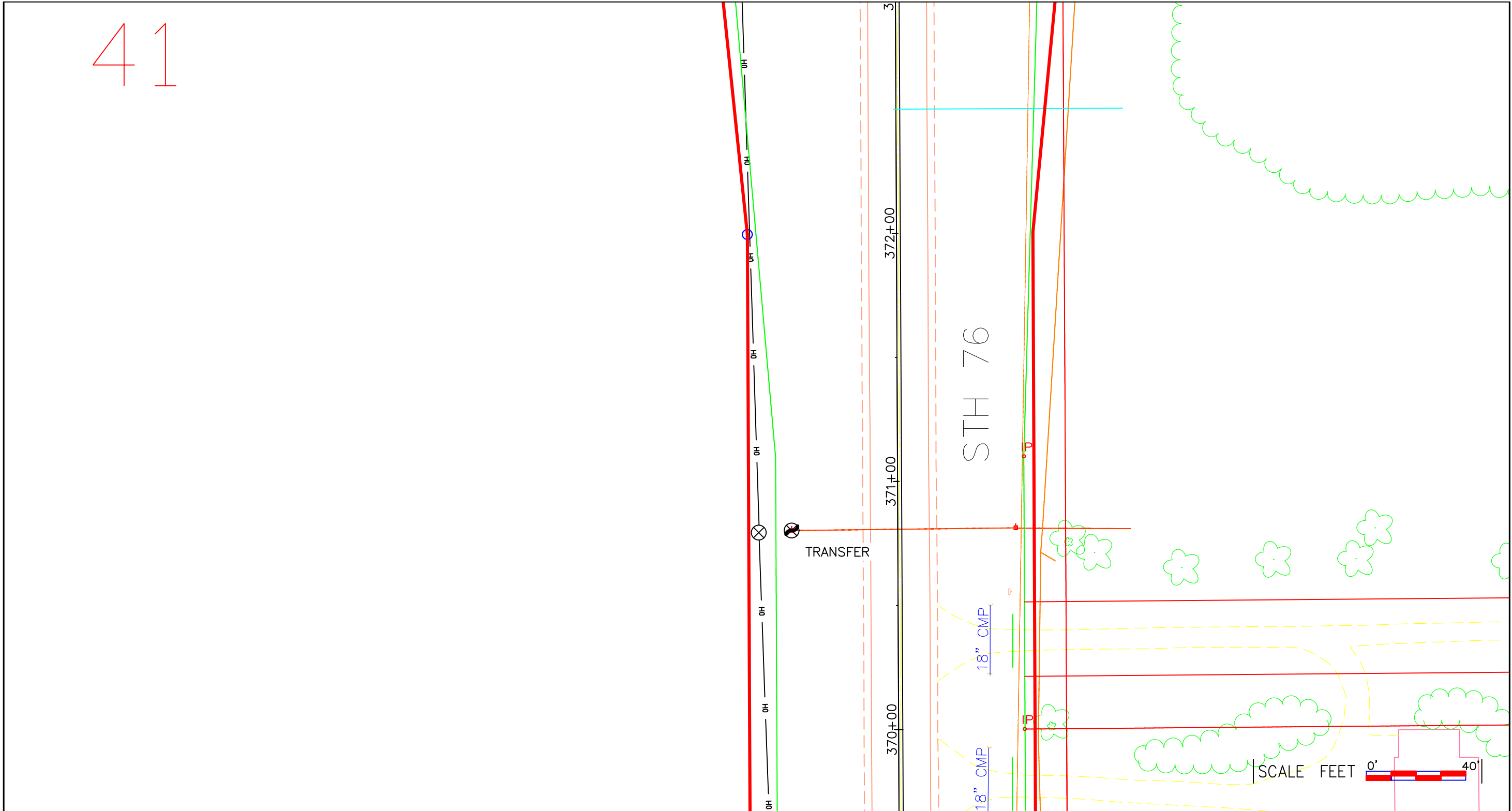
Charter

COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore		39	
DRAFTED BY:	DATE:		
Darrell Gore		40	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		41	

41



LEGEND

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

LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND	DH	DH
JOINT U/G WITH POWER	DH	DH
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

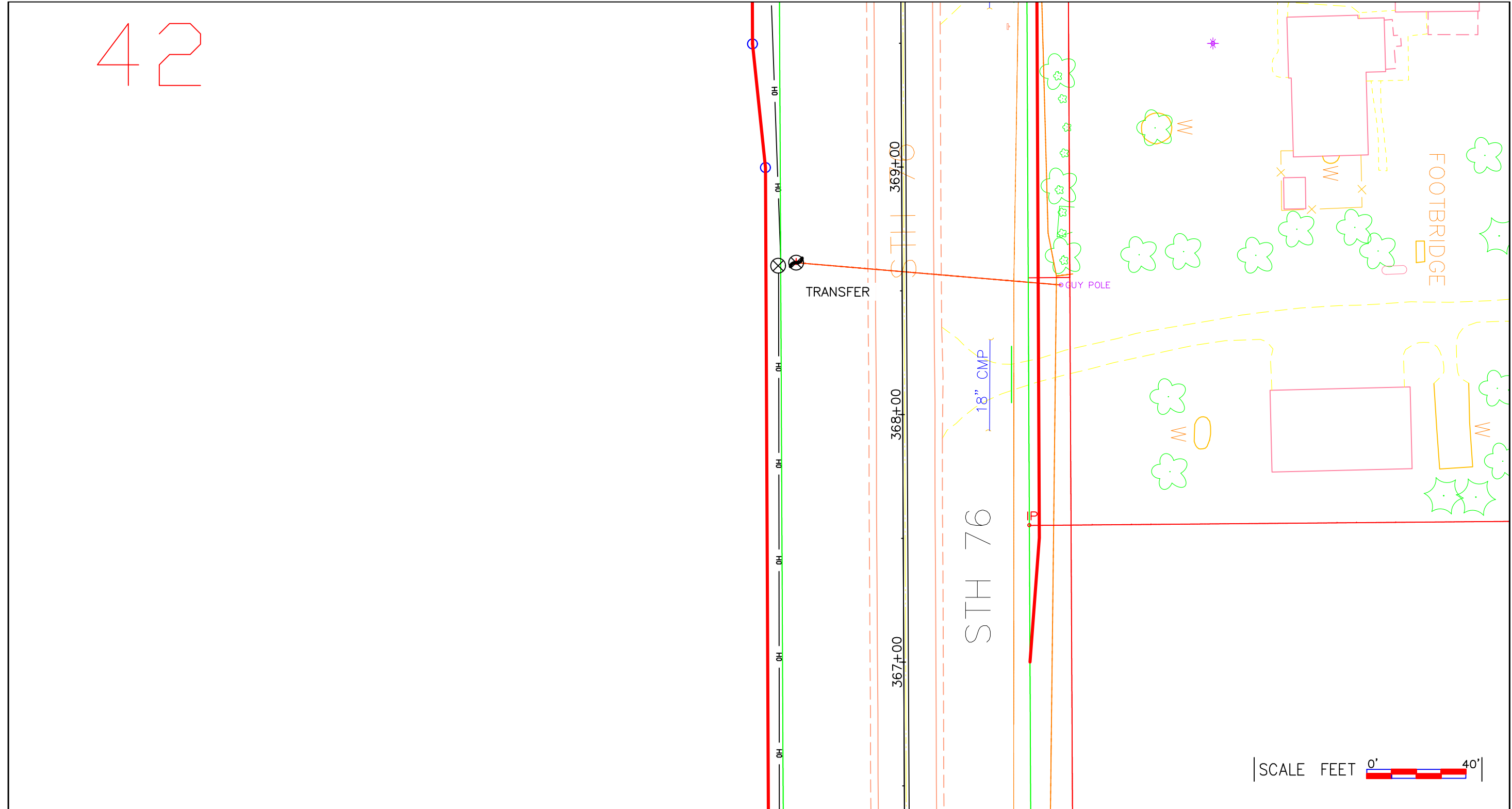
PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS STH 76		LOCATION WINNEBAGO, WI	
FILED BY: Darrell Gore	DATE:	40	
DRAFTED BY: Darrell Gore	DATE:	41	
DESIGNED BY:	DATE:	42	
ASBUILTS BY:	DATE:		

42



LEGEND

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

LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND	DH	DH
JOINT U/G WITH POWER	DH	DH
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

Charter

COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore		41	
DRAFTED BY:	DATE:		
Darrell Gore		42	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		43	

43

FRAME

366+00

OH

OH

OH

DETACH

365+00

STH 76



T4W18W
812.610

OH

OH

364+00

OH

FRAME

18" CMP

SCALE FEET 0' 40'

mi-TECH

LEGEND

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

LINETYPES

- | | | |
|----------------------|------|------|
| STRAND PROPOSED | OH | OH |
| STRAND EXISTING | OH | OH |
| PROPOSED UNDERGROUND | OH | OH |
| JOINT U/G WITH POWER | OH | OH |
| CABLE TV | TV | TV |
| FIBER | FD | FD |
| TELEPHONE | T | T |
| CITY CONDUIT | CUC | CUC |
| GAS | G | G |
| ELECTRICAL | E | E |
| MMSD | MMSD | MMSD |
| STORM | STD | STD |
| SANITARY | SAN | SAN |
| WATER | W | W |
| STEAM | STH | STH |
| ROW | RDV | RDV |

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

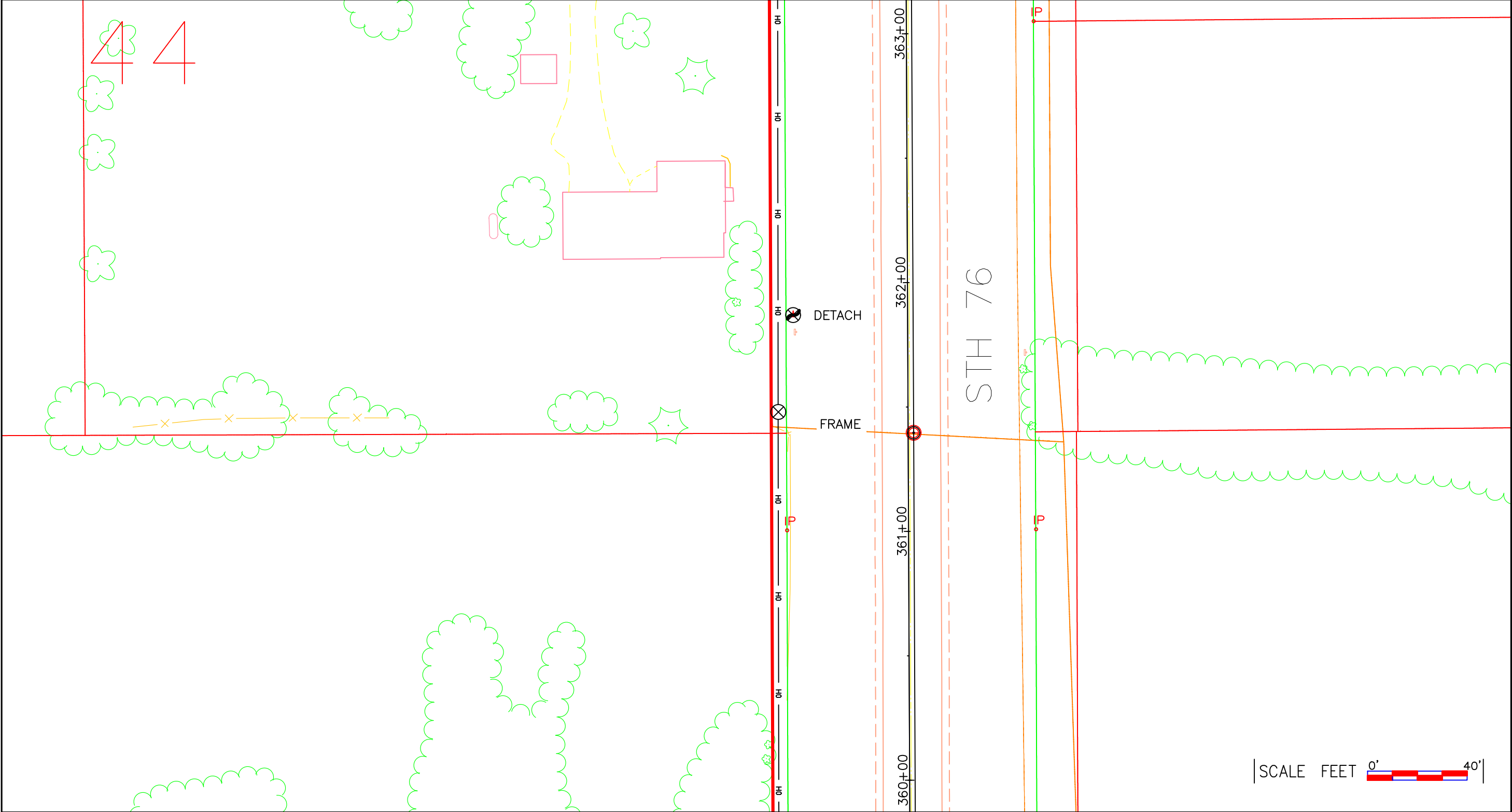


ADDRESS
STH 76

FILED BY:	DATE:
Darrell Gore	
DRAFTED BY:	DATE:
Darrell Gore	
DESIGNED BY:	DATE:
ASBUILTS BY:	DATE:

LOCATION
WINNEBAGO, WI

	42	
	43	
	44	



SCALE FEET 0' 40'

LEGEND

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

LINE TYPES

STRAND PROPOSED	EXISTING
JOINT U/G WITH POWER	
CABLE TV	TV
FIBER	FD
TELEPHONE	T
CITY CONDUIT	CUC
GAS	G
ELECTRICAL	E
MUSD	MUSD
STORM	STD
SANITARY	SAN
WATER	W
STEAM	STH
ROW	RDV

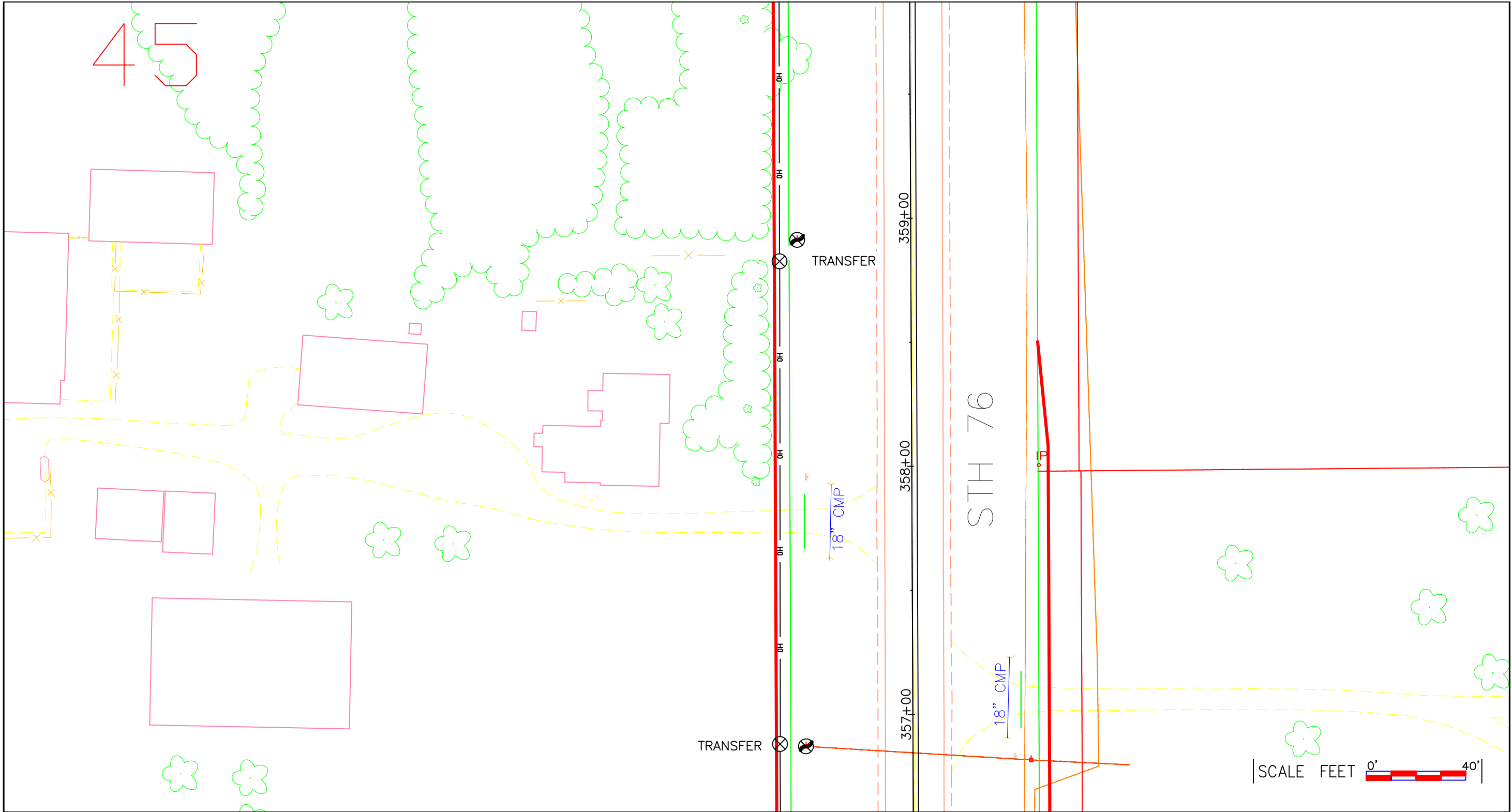
PROJECT #124031

Charter

COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY: Darrell Gore	DATE:		43
DRAFTED BY: Darrell Gore	DATE:		44
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		45



SCALE FEET 0' 40'

LEGEND

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

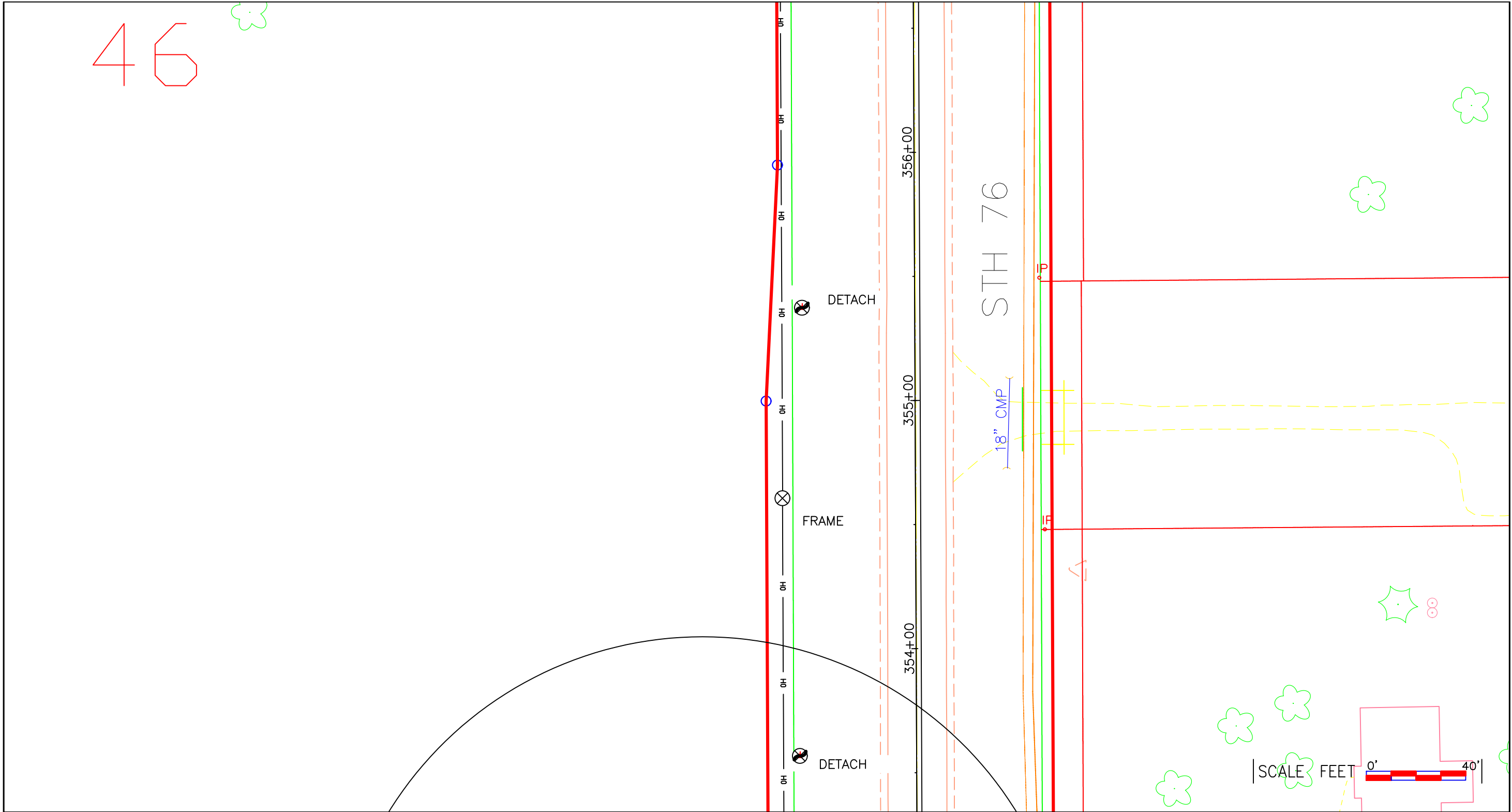
LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	V	V
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore		44	
DRAFTED BY:	DATE:		
Darrell Gore		45	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:	46	



LEGEND

● JOINT POLE	▲ ANCHOR	□ MANHOLE	⚡ NEW GROUND
● NEW JOINT POLE	▲ NEW ANCHOR	⊙ EXISTING FIBER COIL	— PL — PROPERTY LINE
× POWER POLE	▲ JOINT ANCHOR	⊙ NEW FIBER COIL	— CL — ROADWAY CENTERLINE
× NEW POWER POLE	▲ NEW JOINT ANCHOR	⊙ EXISTING HAND HOLE	● FIBER WARNING SIGN
○ TELEPHONE POLE	▲ FOREIGN ANCHOR	□ NEW HAND HOLE	⚡ TRAFFIC LIGHT
● NEW TELEPHONE POLE	▲ DOWNGUY	⊙ SHRUBS	⚡ HYDRANT
■ EXISTING PEDESTAL	▲ NEW DOWNGUY	⊙ DECIDUOUS TREE	⚡ SIGNS
■ NEW PEDESTAL	○ UTILITY VALVE		⚡ STREET LIGHT
			⚡ CONIFEROUS TREE

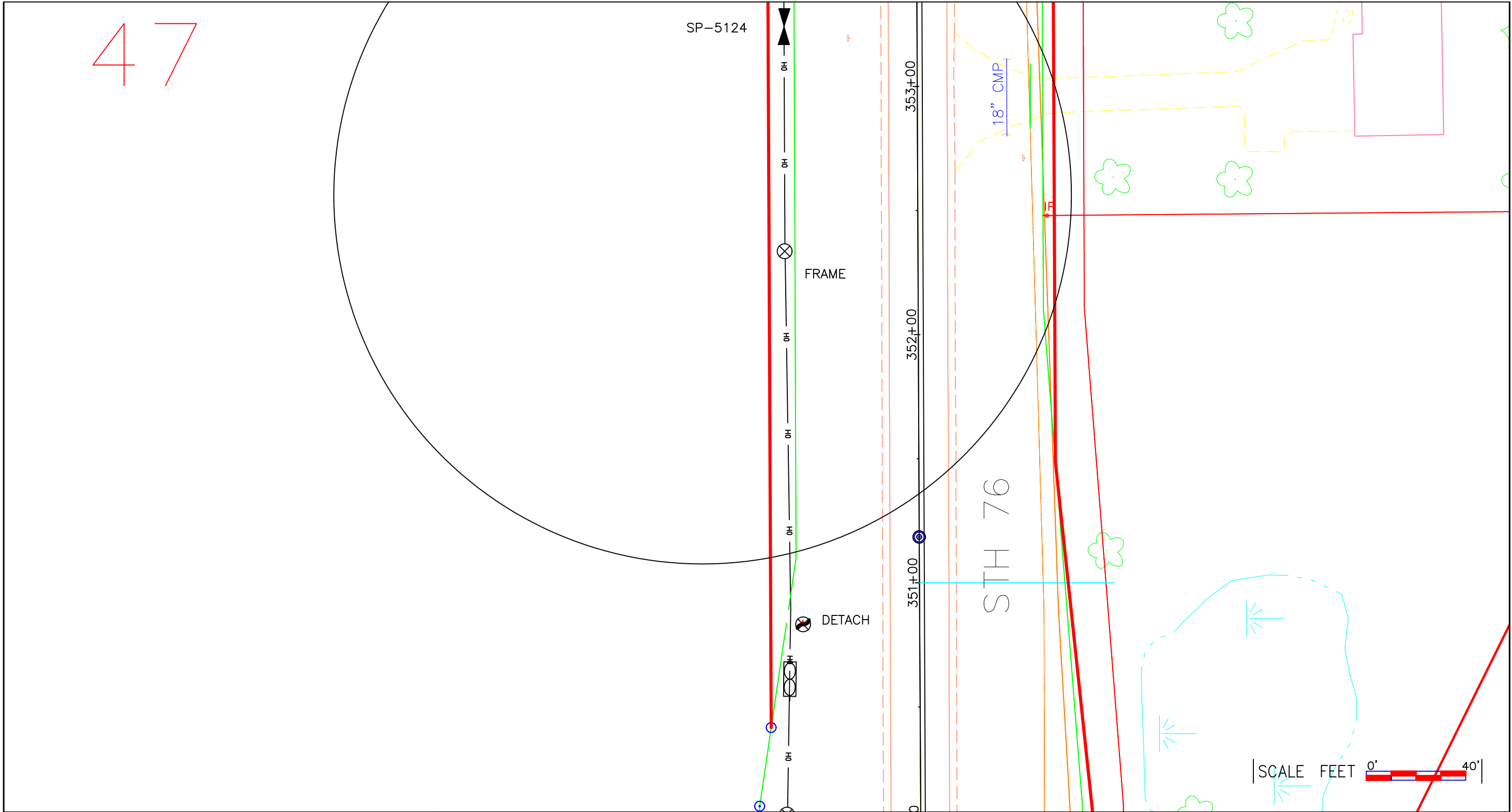
LINETYPES

STRAND PROPOSED	— DH —	— DH —
STRAND EXISTING	— DH —	— DH —
PROPOSED UNDERGROUND	— DH —	— DH —
JOINT U/G WITH POWER	— DH —	— DH —
CABLE TV	— TV —	— TV —
FIBER	— FD —	— FD —
TELEPHONE	— T —	— T —
CITY CONDUIT	— CUC —	— CUC —
GAS	— G —	— G —
ELECTRICAL	— E —	— E —
MMSD	— MMSD —	— MMSD —
STORM	— STD —	— STD —
SANITARY	— SAN —	— SAN —
WATER	— W —	— W —
STEAM	— STH —	— STH —
ROW	— RDV —	— RDV —

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore		45	
DRAFTED BY:	DATE:		
Darrell Gore		46	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:	47	



LEGEND

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

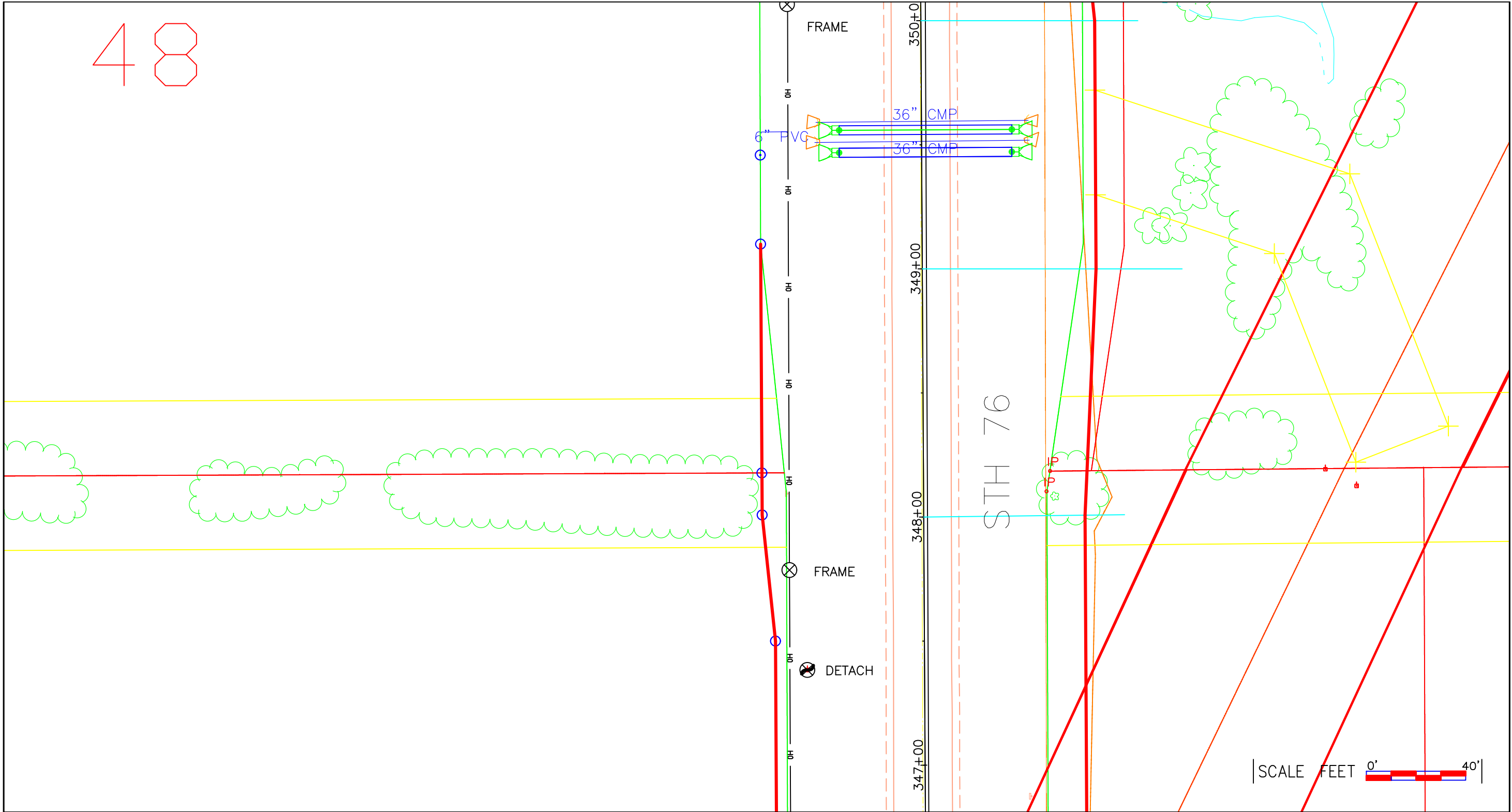
LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
PROPOSED UNDERGROUND		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY: Darrell Gore	DATE:	46	
DRAFTED BY: Darrell Gore	DATE:		47
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:	48	



LEGEND

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

LINETYPES

STRAND PROPOSED	DH	DH	DH
STRAND EXISTING	DH	DH	DH
PROPOSED UNDERGROUND	DH	DH	DH
JOINT U/G WITH POWER	DH	DH	DH
CABLE TV	TV	TV	TV
FIBER	FD	FD	FD
TELEPHONE	T	T	T
CITY CONDUIT	CUC	CUC	CUC
GAS	G	G	G
ELECTRICAL	E	E	E
MMSD	MMSD	MMSD	MMSD
STORM	STD	STD	STD
SANITARY	SAN	SAN	SAN
WATER	W	W	W
STEAM	STH	STH	STH
ROW	RDV	RDV	RDV

PROJECT #124031

Charter

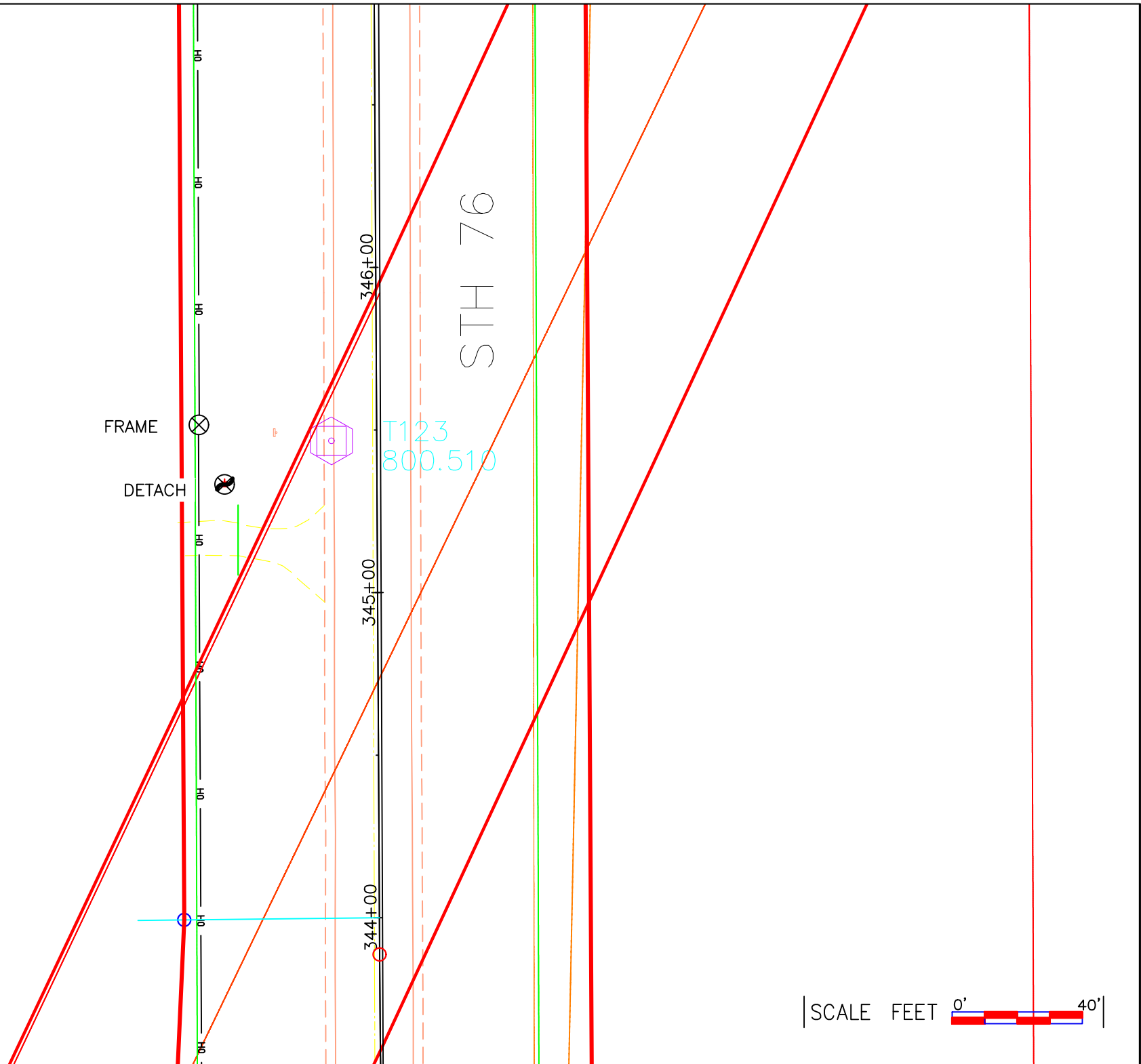
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

N

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore		47	
DRAFTED BY:	DATE:		
Darrell Gore		48	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		49	

49



mi-TECH

LEGEND

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

LINETYPES

- | | | |
|----------------------|------|------|
| STRAND PROPOSED | DH | DH |
| STRAND EXISTING | DH | DH |
| PROPOSED UNDERGROUND | DH | DH |
| JOINT U/G WITH POWER | DH | DH |
| CABLE TV | TV | TV |
| FIBER | FD | FD |
| TELEPHONE | T | T |
| CITY CONDUIT | CUC | CUC |
| GAS | G | G |
| ELECTRICAL | E | E |
| MMSD | MMSD | MMSD |
| STORM | STD | STD |
| SANITARY | SAN | SAN |
| WATER | W | W |
| STEAM | STH | STH |
| ROW | RDV | RDV |

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915



ADDRESS
STH 76

FILED BY: Darrell Gore DATE:

DRAFTED BY: Darrell Gore DATE:

DESIGNED BY: DATE:

ASBUILTS BY: DATE:

LOCATION
WINNEBAGO, WI

48

49

50

50

TRANSFER

343+00

342+00

STH 76

FRAME

DETACH

SIGN

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915



SCALE FEET 0' 40'

LEGEND

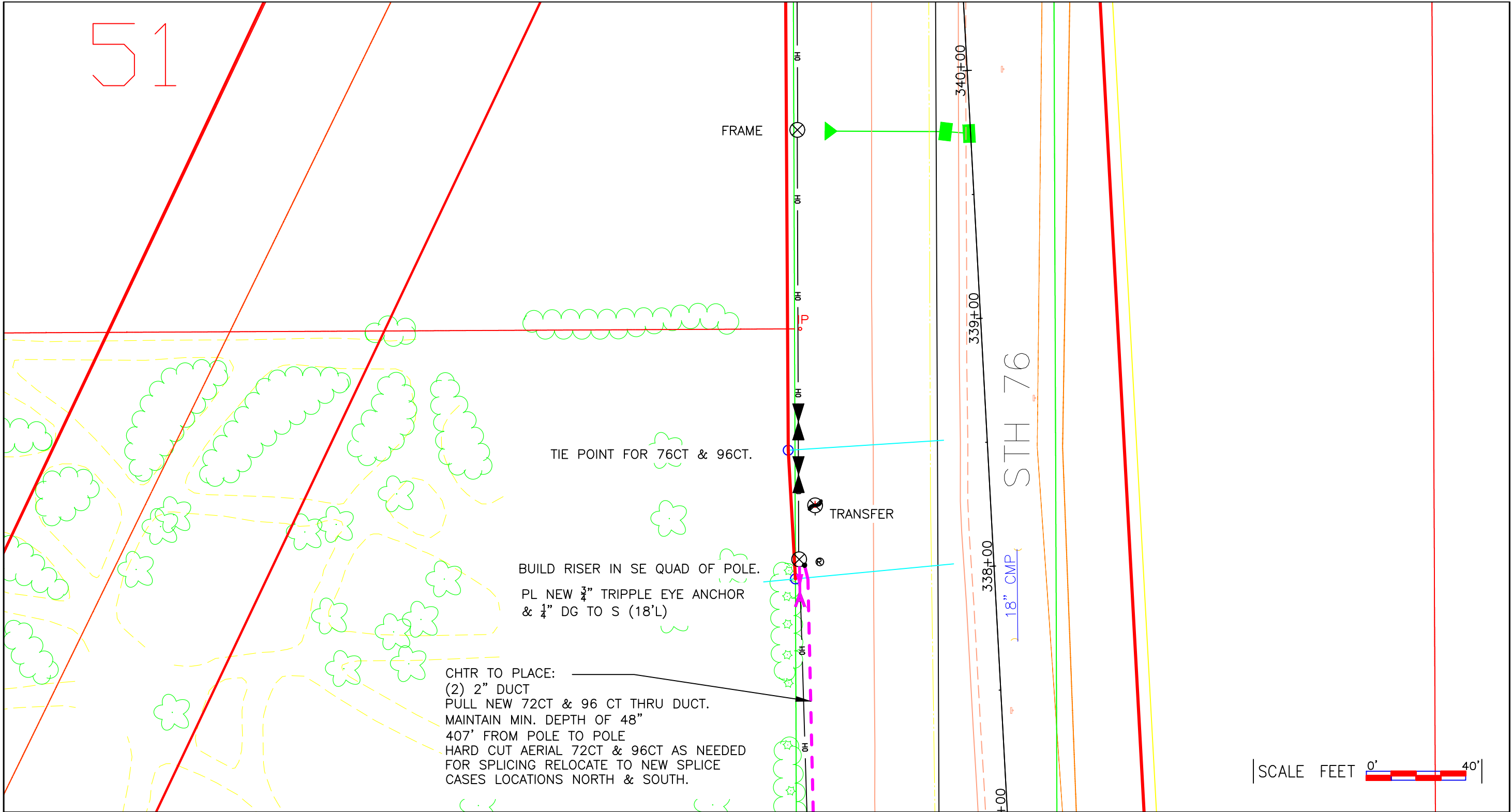
- | | | | |
|----------------------|--------------------|-----------------------|----------------------|
| ● JOINT POLE | ▲ ANCHOR | □ MANHOLE | ⚡ NEW GROUND |
| ● NEW JOINT POLE | ▲ NEW ANCHOR | ⊖ EXISTING FIBER COIL | — PROPERTY LINE |
| × POWER POLE | ▲ JOINT ANCHOR | ⊖ NEW FIBER COIL | — ROADWAY CENTERLINE |
| × NEW POWER POLE | ▲ NEW JOINT ANCHOR | □ EXISTING HAND HOLE | ● FIBER WARNING SIGN |
| ○ TELEPHONE POLE | ▲ FOREIGN ANCHOR | □ NEW HAND HOLE | ⚡ TRAFFIC LIGHT |
| ● NEW TELEPHONE POLE | ▲ DOWNGUY | ● SHRUBS | ⚡ HYDRANT |
| ■ EXISTING PEDESTAL | ▲ NEW DOWNGUY | ● DECIDUOUS TREE | ⚡ SIGNS |
| ■ NEW PEDESTAL | ○ UTILITY VALVE | | ⚡ STREET LIGHT |
| | | | ● CONIFEROUS TREE |

LINETYPES

- | | | |
|----------------------|----------|----------|
| STRAND PROPOSED | — DH — | — DH — |
| STRAND EXISTING | — DH — | — DH — |
| PROPOSED UNDERGROUND | — DH — | — DH — |
| JOINT U/G WITH POWER | — DH — | — DH — |
| CABLE TV | — TV — | — TV — |
| FIBER | — FD — | — FD — |
| TELEPHONE | — T — | — T — |
| CITY CONDUIT | — CUC — | — CUC — |
| GAS | — G — | — G — |
| ELECTRICAL | — E — | — E — |
| MMSD | — MMSD — | — MMSD — |
| STORM | — STD — | — STD — |
| SANITARY | — SAN — | — SAN — |
| WATER | — W — | — W — |
| STEAM | — STH — | — STH — |
| ROW | — RDV — | — RDV — |

mi-TECH

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore		49	
DRAFTED BY:	DATE:		
Darrell Gore		50	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		51	



LEGEND

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

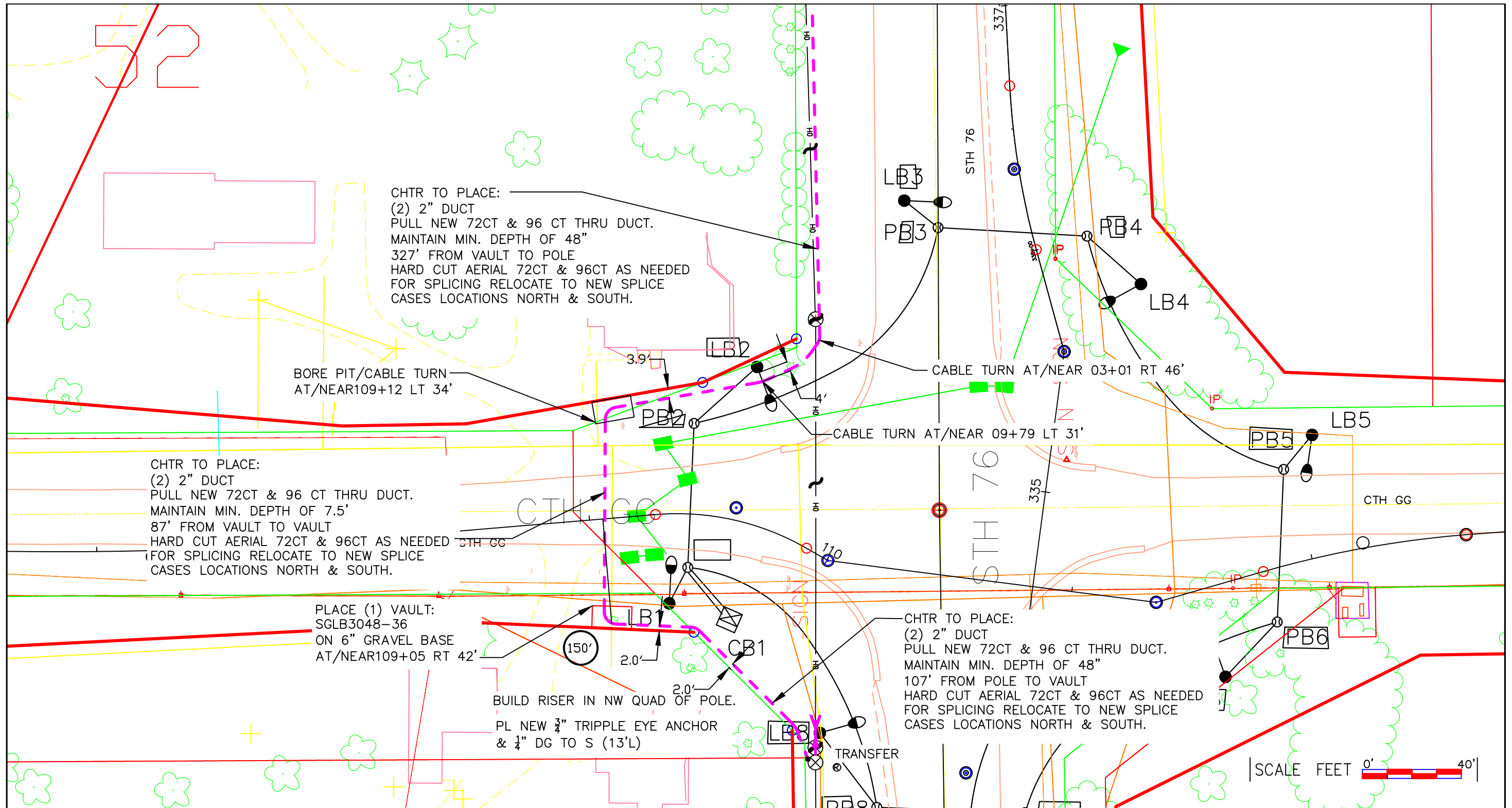
LINETYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MUSD	MUSD	MUSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS	STH 76	LOCATION	WINNEBAGO, WI
FILED BY:	DATE:		
Darrell Gore		50	
DRAFTED BY:	DATE:		
Darrell Gore		51	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		52	



LEGEND

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

LINETYPES

— STRAND PROPOSED	— DH	— DH
— STRAND EXISTING	— DH	— DH
— PROPOSED UNDERGROUND	— DH	— DH
— JOINT U/G WITH POWER	— DH	— DH
— CABLE TV	— TV	— TV
— FIBER	— FD	— FD
— TELEPHONE	— T	— T
— CITY CONDUIT	— CUC	— CUC
— GAS	— G	— G
— ELECTRICAL	— E	— E
— MMSD	— MMSD	— MMSD
— STORM	— STD	— STD
— SANITARY	— SAN	— SAN
— WATER	— W	— W
— STEAM	— STH	— STH
— ROW	— RDV	— RDV

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS
STH 76

LOCATION
WINNEBAGO, WI

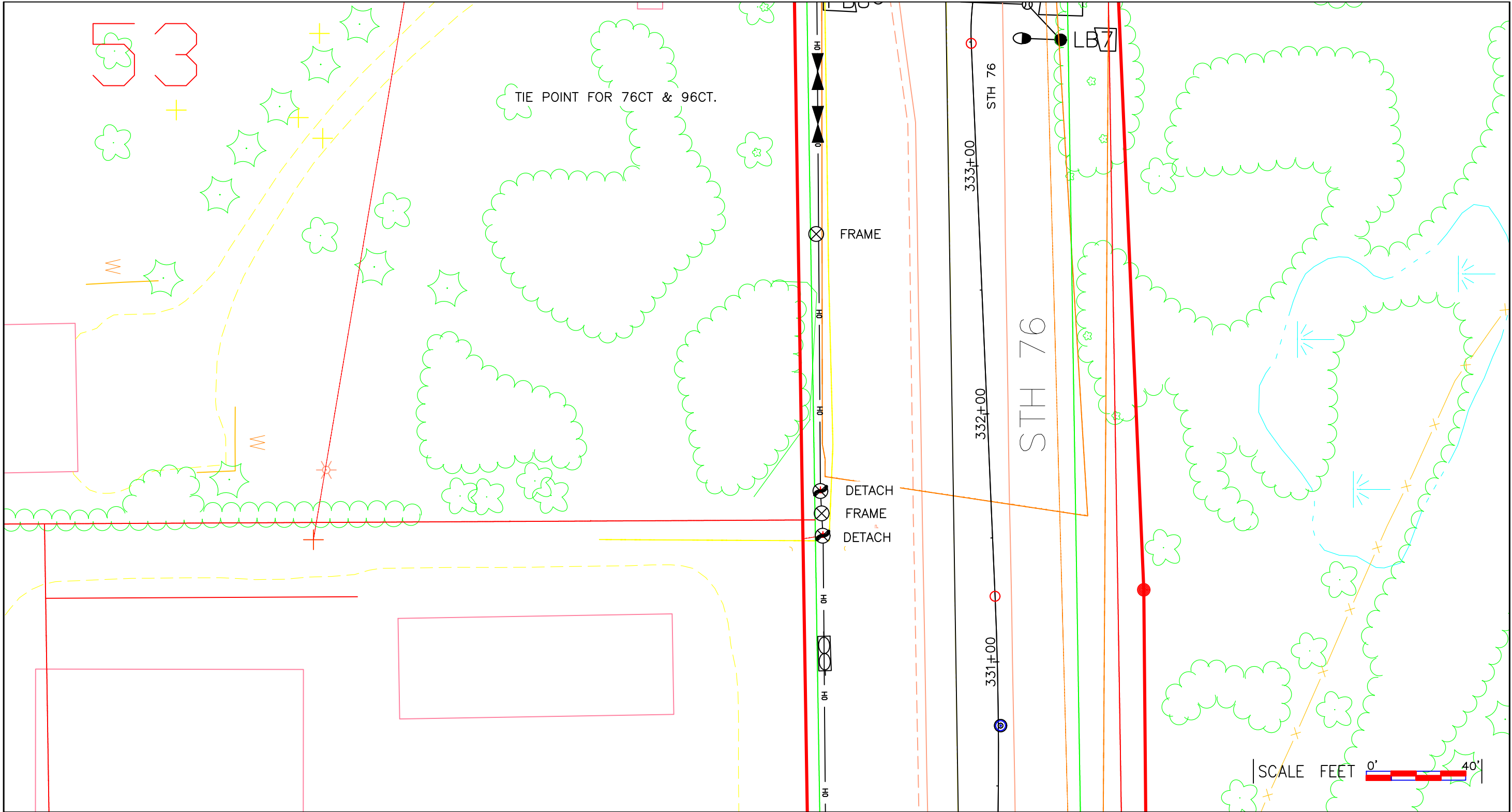
51	52	53
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FIELD BY:
Darrell Gore

DRAFTED BY:
Darrell Gore

DESIGNED BY:

ASBUILTS BY:



LEGEND

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

LINE TYPES

STRAND PROPOSED	DH	DH
STRAND EXISTING	DH	DH
JOINT U/G WITH POWER	DH	DH
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	T	T
CITY CONDUIT	CUC	CUC
GAS	G	G
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	STD	STD
SANITARY	SAN	SAN
WATER	W	W
STEAM	STH	STH
ROW	RDV	RDV

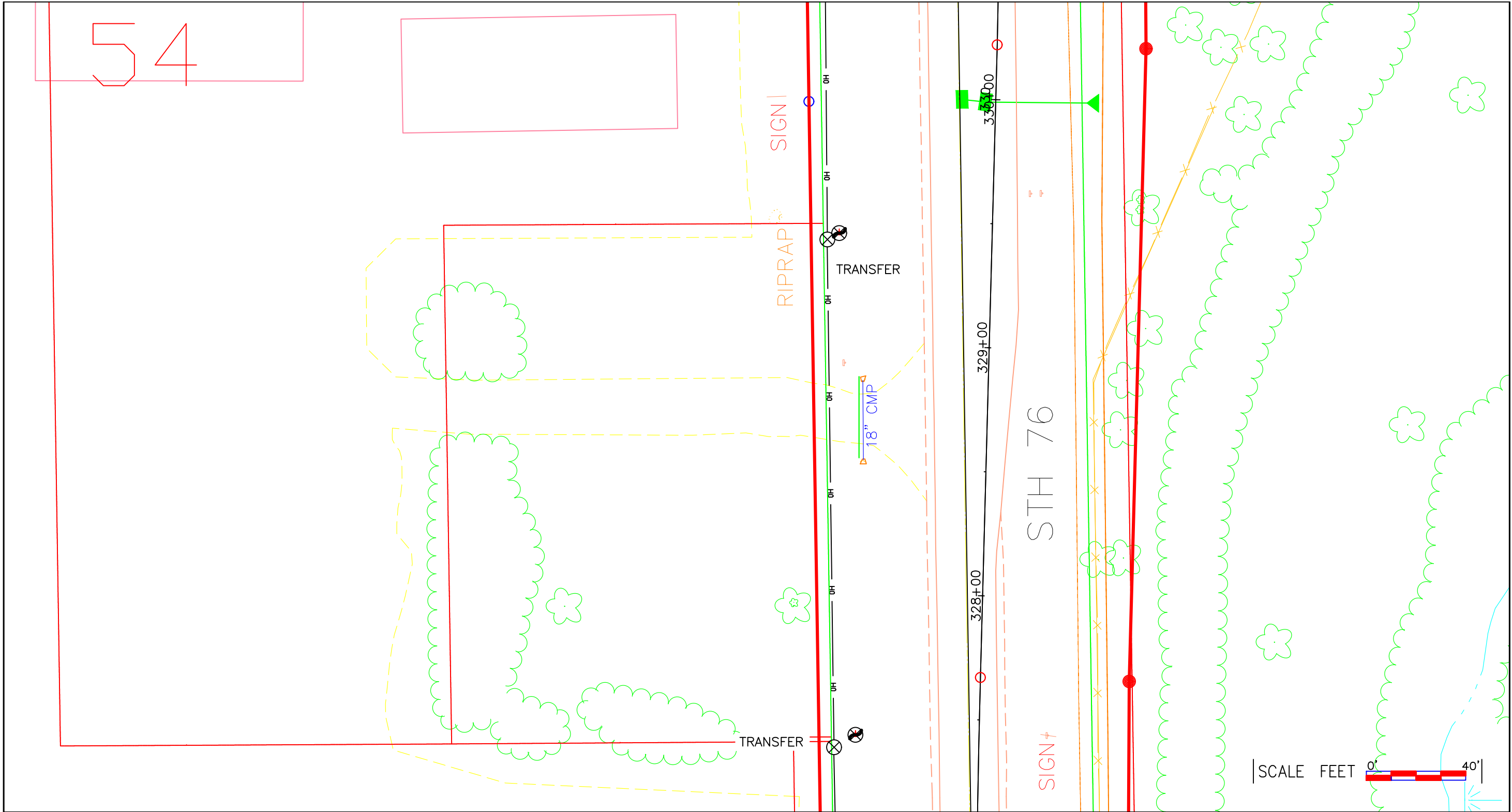
PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

N

ADDRESS	STH 76	LOCATION	WINNEBAGO, WI
FIELD BY:	Darrell Gore	DATE:	
DRAFT BY:	Darrell Gore	DATE:	
DESIGNED BY:		DATE:	
ASBUILTS BY:		DATE:	

52	53	54
----	----	----



LEGEND

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

LINETYPES

STRAND PROPOSED	— DH —	— DH —
STRAND EXISTING	— DH —	— DH —
PROPOSED UNDERGROUND	— DH —	— DH —
JOINT U/G WITH POWER	— DH —	— DH —
CABLE TV	— TV —	— TV —
FIBER	— FD —	— FD —
TELEPHONE	— T —	— T —
CITY CONDUIT	— CUC —	— CUC —
GAS	— G —	— G —
ELECTRICAL	— E —	— E —
MMSD	— MMSD —	— MMSD —
STORM	— STD —	— STD —
SANITARY	— SAN —	— SAN —
WATER	— W —	— W —
STEAM	— STH —	— STH —
ROW	— RDV —	— RDV —

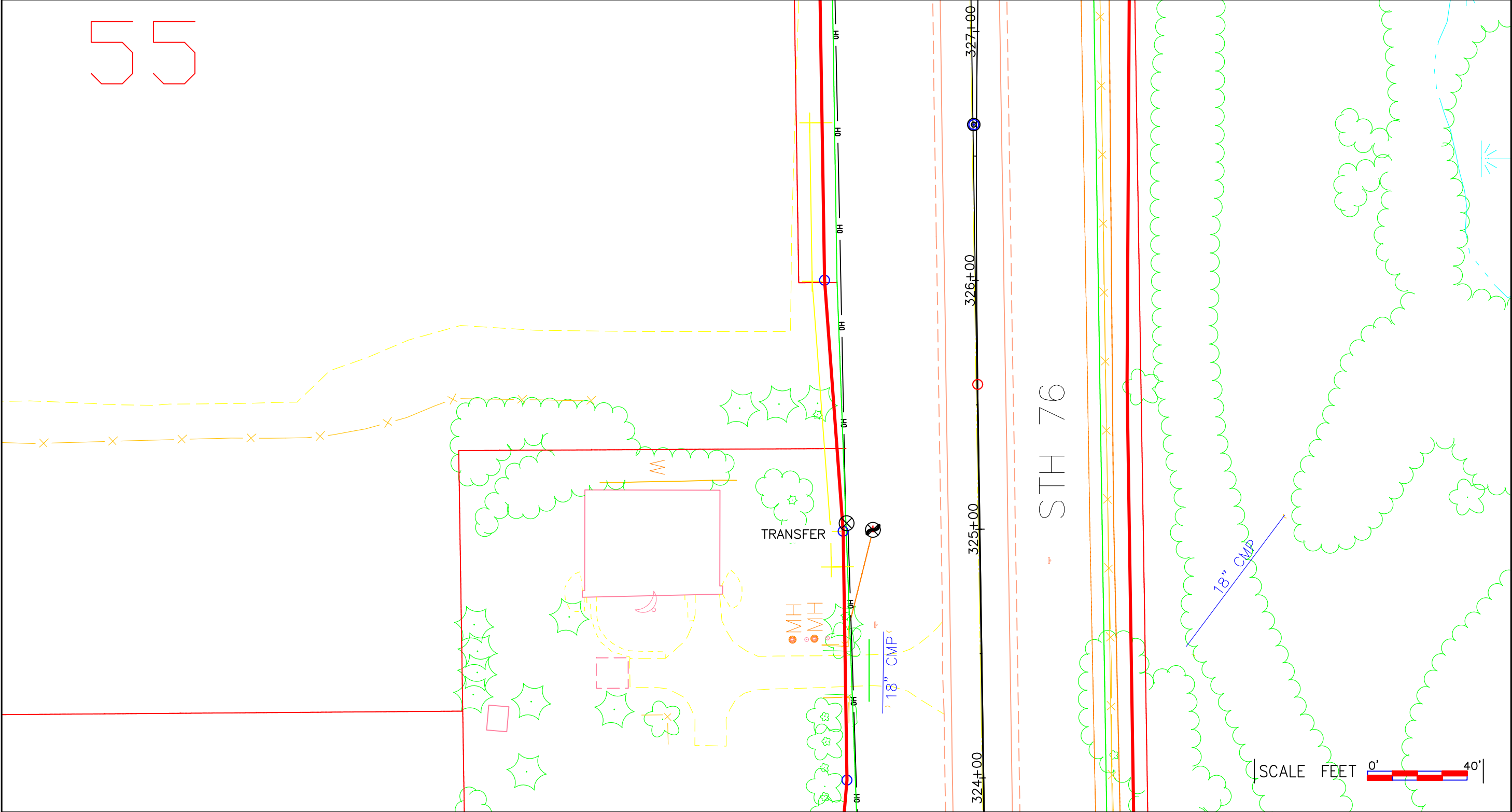
PROJECT #124031

Charter

COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore		53	
DRAFTED BY:	DATE:		
Darrell Gore		54	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		55	



LEGEND

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

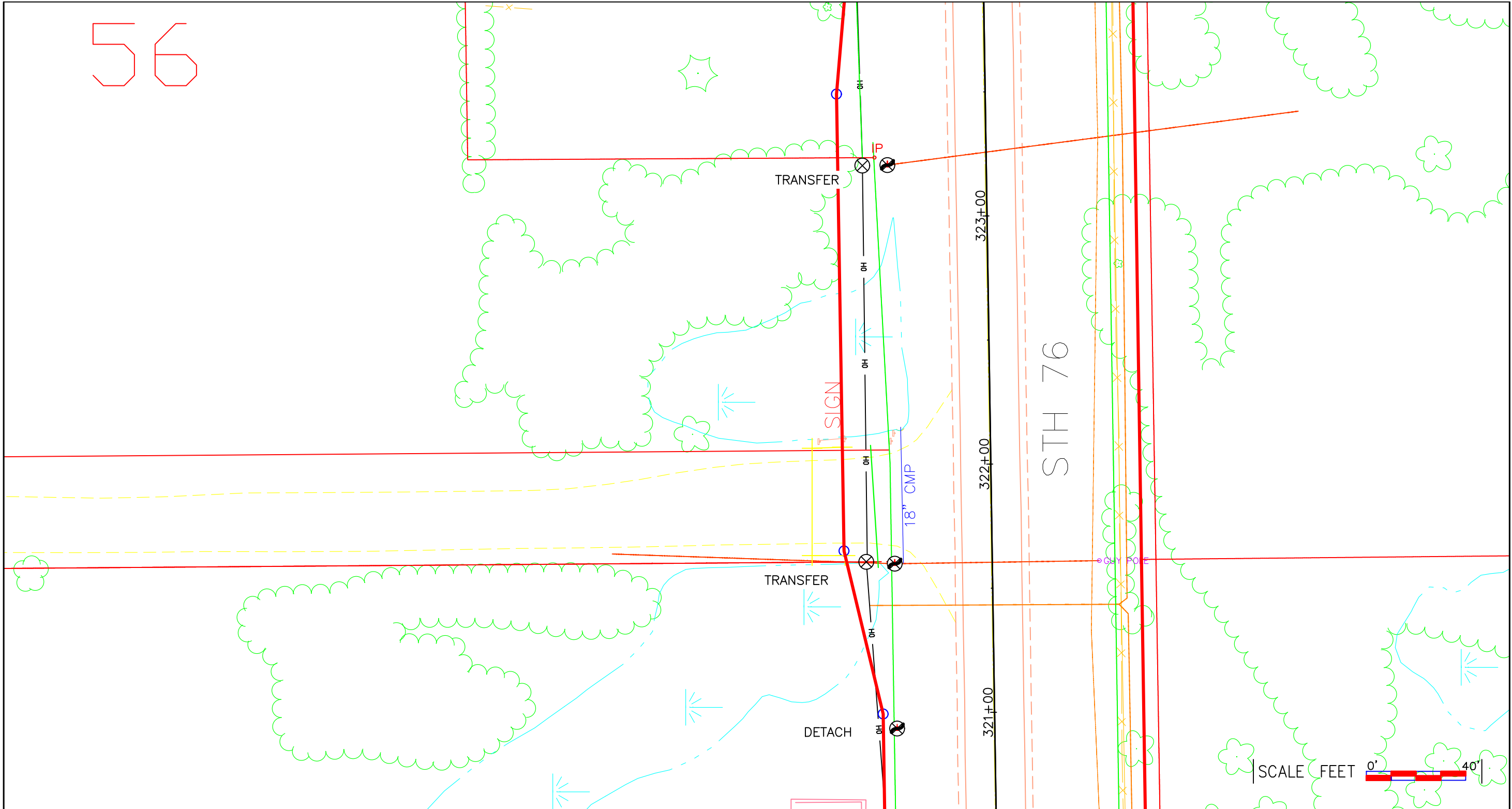
LINETYPES

STRAND PROPOSED	— DH —	— DH —
STRAND EXISTING	— DH —	— DH —
PROPOSED UNDERGROUND	— DH —	— DH —
JOINT U/G WITH POWER	— DH —	— DH —
CABLE TV	— TV —	— TV —
FIBER	— FD —	— FD —
TELEPHONE	— T —	— T —
CITY CONDUIT	— CUC —	— CUC —
GAS	— G —	— G —
ELECTRICAL	— E —	— E —
MMSD	— MMSD —	— MMSD —
STORM	— STD —	— STD —
SANITARY	— SAN —	— SAN —
WATER	— W —	— W —
STEAM	— STH —	— STH —
ROW	— RDV —	— RDV —

PROJECT #124031

3520 DESTINATION DR
APPLETON, WI 54915

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore			54
DRAFTED BY:	DATE:		
Darrell Gore			55
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
			56



LEGEND

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

LINETYPES

STRAND PROPOSED	— DH	— DH
STRAND EXISTING	— DH	— DH
PROPOSED UNDERGROUND	— DH	— DH
JOINT U/G WITH POWER	— DH	— DH
CABLE TV	— TV	— TV
FIBER	— FD	— FD
TELEPHONE	— T	— T
CITY CONDUIT	— CUC	— CUC
GAS	— G	— G
ELECTRICAL	— E	— E
MMSD	— MMSD	— MMSD
STORM	— STD	— STD
SANITARY	— SAN	— SAN
WATER	— W	— W
STEAM	— STH	— STH
ROW	— RDV	— RDV

PROJECT #124031

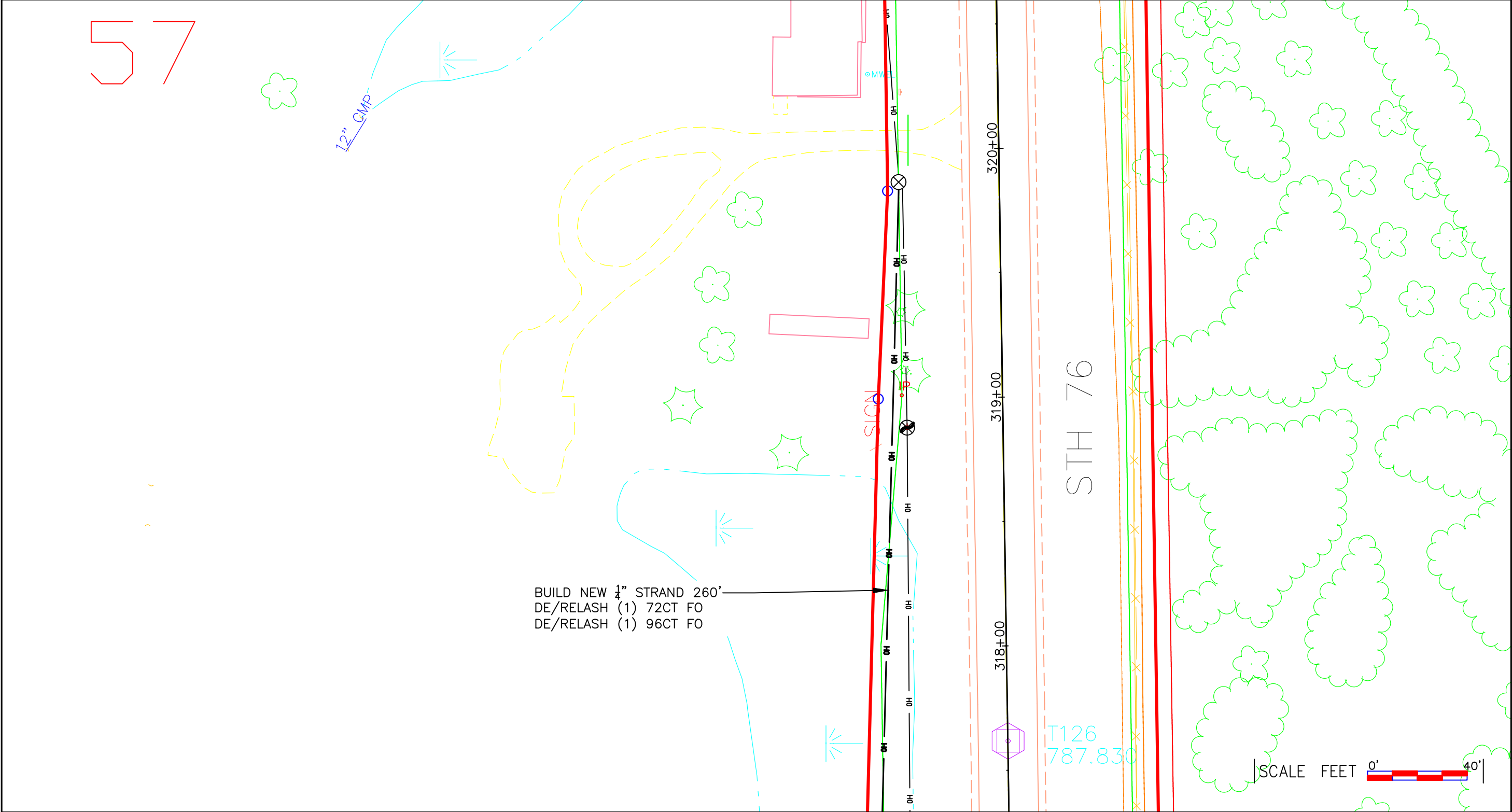
Charter

COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

N

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FILED BY:	DATE:		
Darrell Gore		55	
DRAFTED BY:	DATE:		
Darrell Gore		56	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
		57	



LEGEND

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

LINETYPES

STRAND PROPOSED	— DH —	— DH —
STRAND EXISTING	— DH —	— DH —
JOINT U/G WITH POWER	— DH —	— DH —
CABLE TV	— TV —	— TV —
FIBER	— FD —	— FD —
TELEPHONE	— T —	— T —
CITY CONDUIT	— CUC —	— CUC —
GAS	— G —	— G —
ELECTRICAL	— E —	— E —
MMSD	— MMSD —	— MMSD —
STORM	— STD —	— STD —
SANITARY	— SAN —	— SAN —
WATER	— W —	— W —
STEAM	— STH —	— STH —
ROW	— RDV —	— RDV —

PROJECT #124031

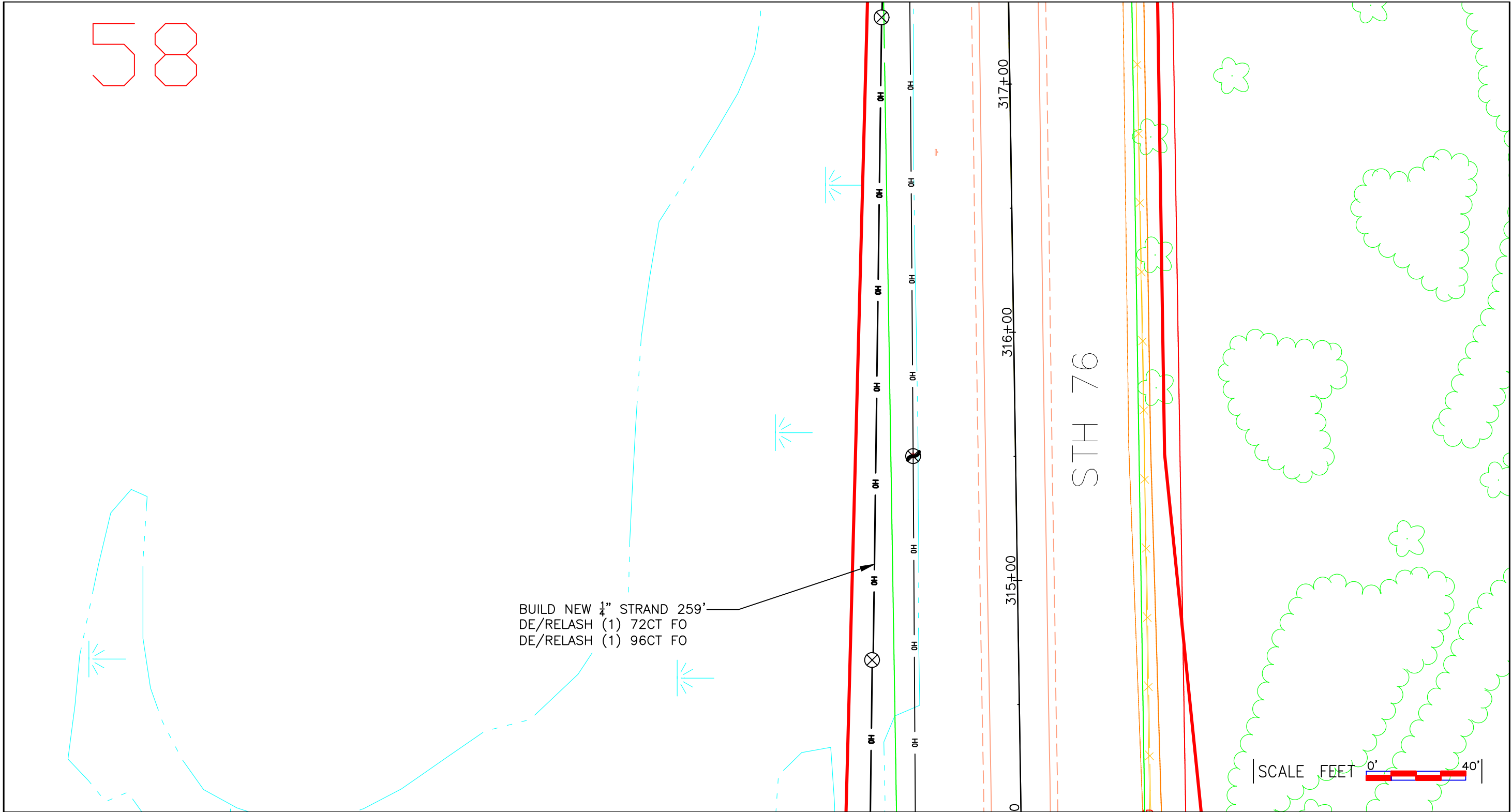
Charter

COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

N

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore		56	
DRAFTED BY:	DATE:		
Darrell Gore		57	
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:	58	



LEGEND

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

LINETYPES

STRAND PROPOSED	— DH	— DH
STRAND EXISTING	— DH	— DH
JOINT U/G WITH POWER	— DH	— DH
CABLE TV	— TV	— TV
FIBER	— FD	— FD
TELEPHONE	— T	— T
CITY CONDUIT	— CUC	— CUC
GAS	— G	— G
ELECTRICAL	— E	— E
MMSD	— MMSD	— MMSD
STORM	— STD	— STD
SANITARY	— SAN	— SAN
WATER	— W	— W
STEAM	— STH	— STH
ROW	— RDV	— RDV

PROJECT #124031

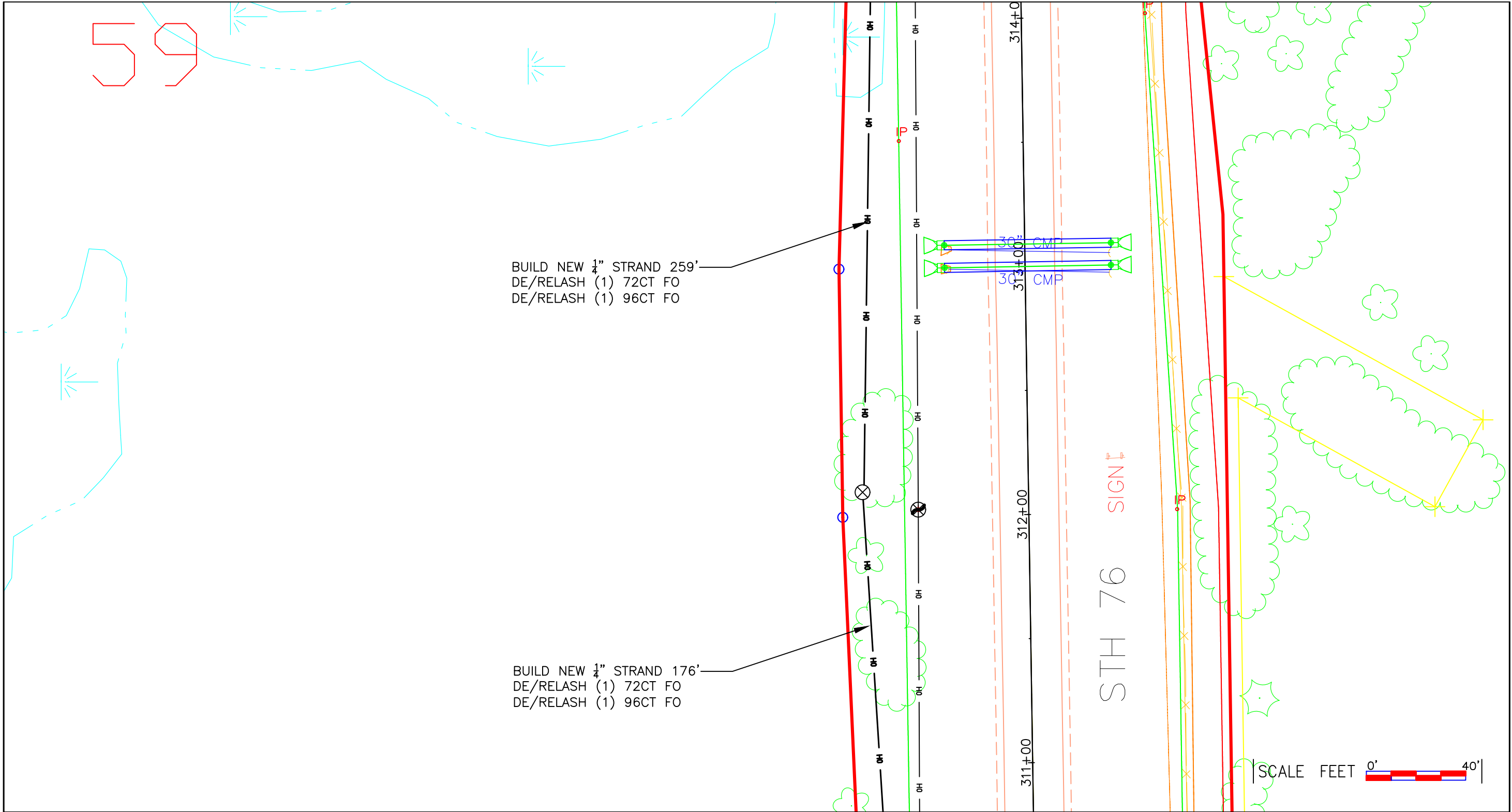
Charter

COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915

N

ADDRESS		LOCATION	
STH 76		WINNEBAGO, WI	
FIELD BY:	DATE:		
Darrell Gore			57
DRAFTED BY:	DATE:		
Darrell Gore			58
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		
			59



60

BUILD NEW 1/4" STRAND 180'
DE/RELASH (1) 72CT FO
DE/RELASH (1) 96CT FO

TRANSFER SPAN SOUTH
TO NEW POLE.

STH 76

SCALE FEET 0' 40'



LEGEND

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

LINETYPES

- | | | |
|----------------------|------|------|
| STRAND PROPOSED | DH | DH |
| STRAND EXISTING | DH | DH |
| PROPOSED UNDERGROUND | | |
| JOINT U/G WITH POWER | | |
| CABLE TV | TV | TV |
| FIBER | FD | FD |
| TELEPHONE | T | T |
| CITY CONDUIT | CUC | CUC |
| GAS | G | G |
| ELECTRICAL | E | E |
| MMSD | MMSD | MMSD |
| STORM | STD | STD |
| SANITARY | SAN | SAN |
| WATER | W | W |
| STEAM | STH | STH |
| ROW | RDV | RDV |

PROJECT #124031



3520 DESTINATION DR
APPLETON, WI 54915



ADDRESS

STH 76

FILED BY:	DATE:
Darrell Gore	
DRAFTED BY:	DATE:
Darrell Gore	
DESIGNED BY:	DATE:
ASBUILTS BY:	DATE:

LOCATION

WINNEBAGO, WI

	59	
	60	

Darrell Gore

From: Tekler, Lindsay M - DNR <Lindsay.Tekler@wisconsin.gov>
Sent: Friday, October 19, 2018 9:20 AM
To: Darrell Gore
Subject: RE: Approval needed for Project ID:STH 76 WINNEBAGO COUNTY \ 6430-12-71 - Charter ID:124031
Attachments: 124031 WETLAND MAPS.ZIP; 124031_Plan_Set_Version_2_Permit_10-10-2018.zip

Hi Darrell,

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.)

Disclaimer: This WDNR jurisdictional determination is based only on the project area/route shown on the attached figures provided by the requester. If your project area/route extends beyond the area shown in the attached figures, those additional work areas/route were not evaluated for permitting requirements by the WDNR, and you are responsible for ensuring that those additional work areas/route are in compliance with all applicable local, state, and federal laws and permitting requirements as well.

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

From: Darrell Gore <dgore@mi-tech.us>
Sent: Thursday, October 18, 2018 12:10 PM
To: Tekler, Lindsay M - DNR <Lindsay.Tekler@wisconsin.gov>
Subject: Approval needed for Project ID:STH 76 WINNEBAGO COUNTY \ 6430-12-71 - Charter ID:124031

Hi Lindsay,

I have attached the documents you will need to make your jurisdictional determination for this project. This is a Trans 220 project. Please give me a call if you should have any concerns or questions.

Thanks

Darrell Gore | OSP Designer

MI-Tech Services Inc.

office: 262.649.5386 x2504 | cell: 920.602.6591

dgore@mi-tech.us | www.mi-tech.us

4125 N 124th St.

Suite D

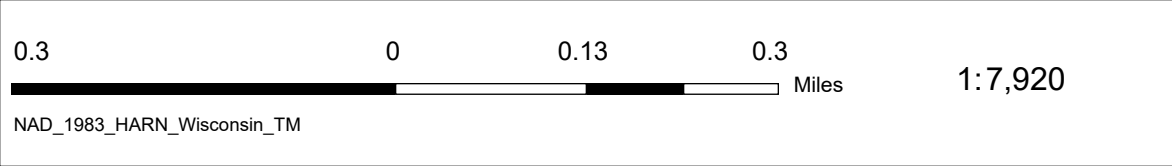
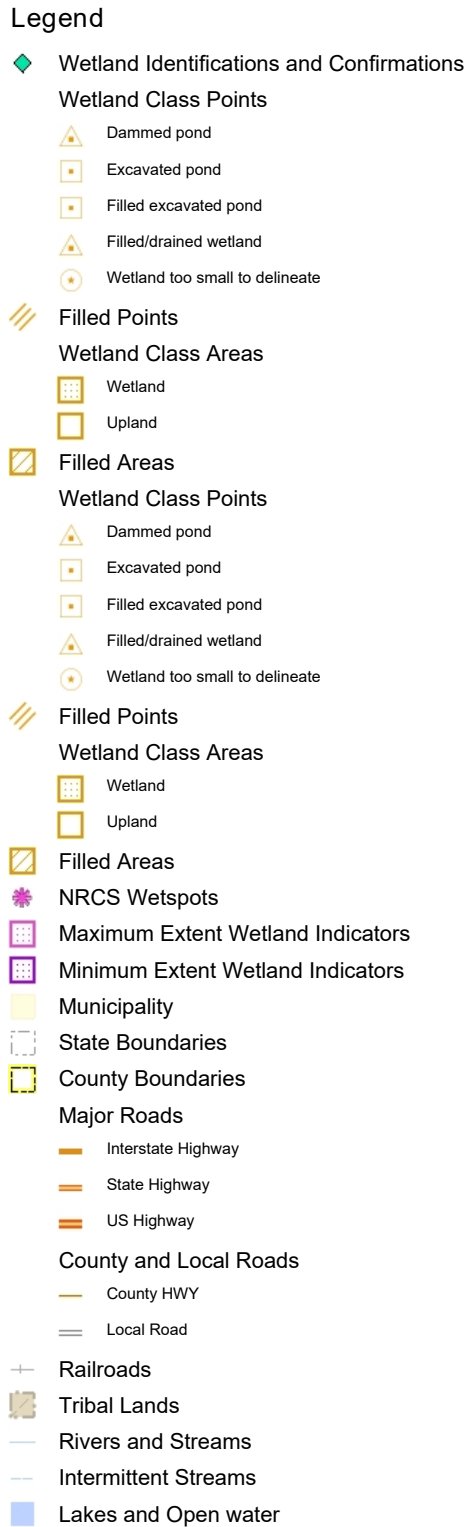
Brookfield, WI 53005



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Notes

State Project #6430-12-71

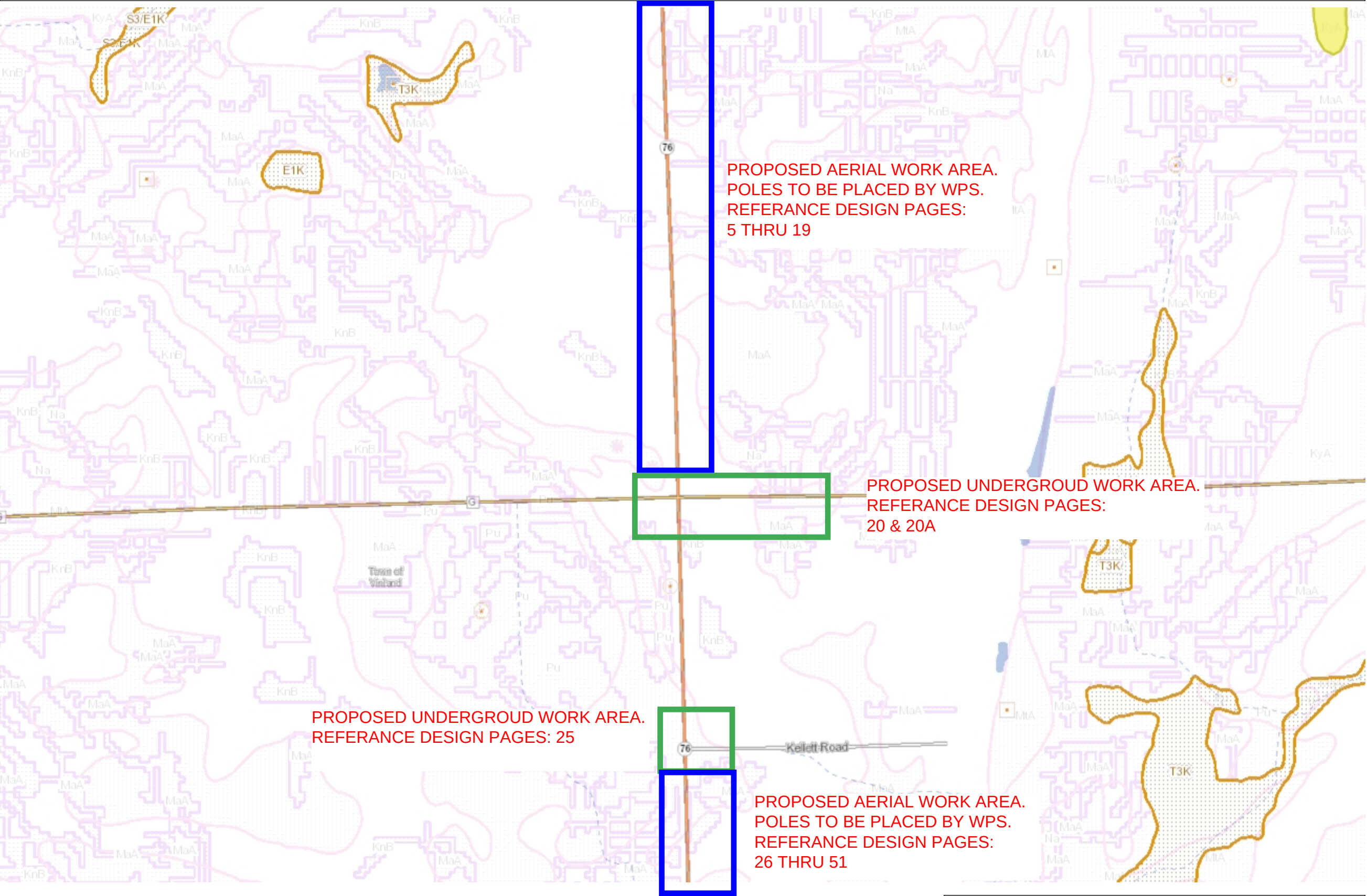


Wetland map - Charter ID:124031



Legend

- Wetland Identifications and Confirmations
 - Wetland Class Points
 - Dammed pond
 - Excavated pond
 - Filled excavated pond
 - Filled/drained wetland
 - Wetland too small to delineate
 - Filled Points
 - Wetland Class Areas
 - Wetland
 - Upland
 - Filled Areas
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 - Upland
 - Filled Areas
 - NRCS Wetspots
 - Maximum Extent Wetland Indicators
 - Minimum Extent Wetland Indicators
 - 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



0.3 0 0.13 0.3 Miles

NAD_1983_HARN_Wisconsin_TM

1:7,920

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State Project #6430-12-71



Wetland map - Charter ID:124031



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Wetland Identifications and Confirmations

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Major Roads

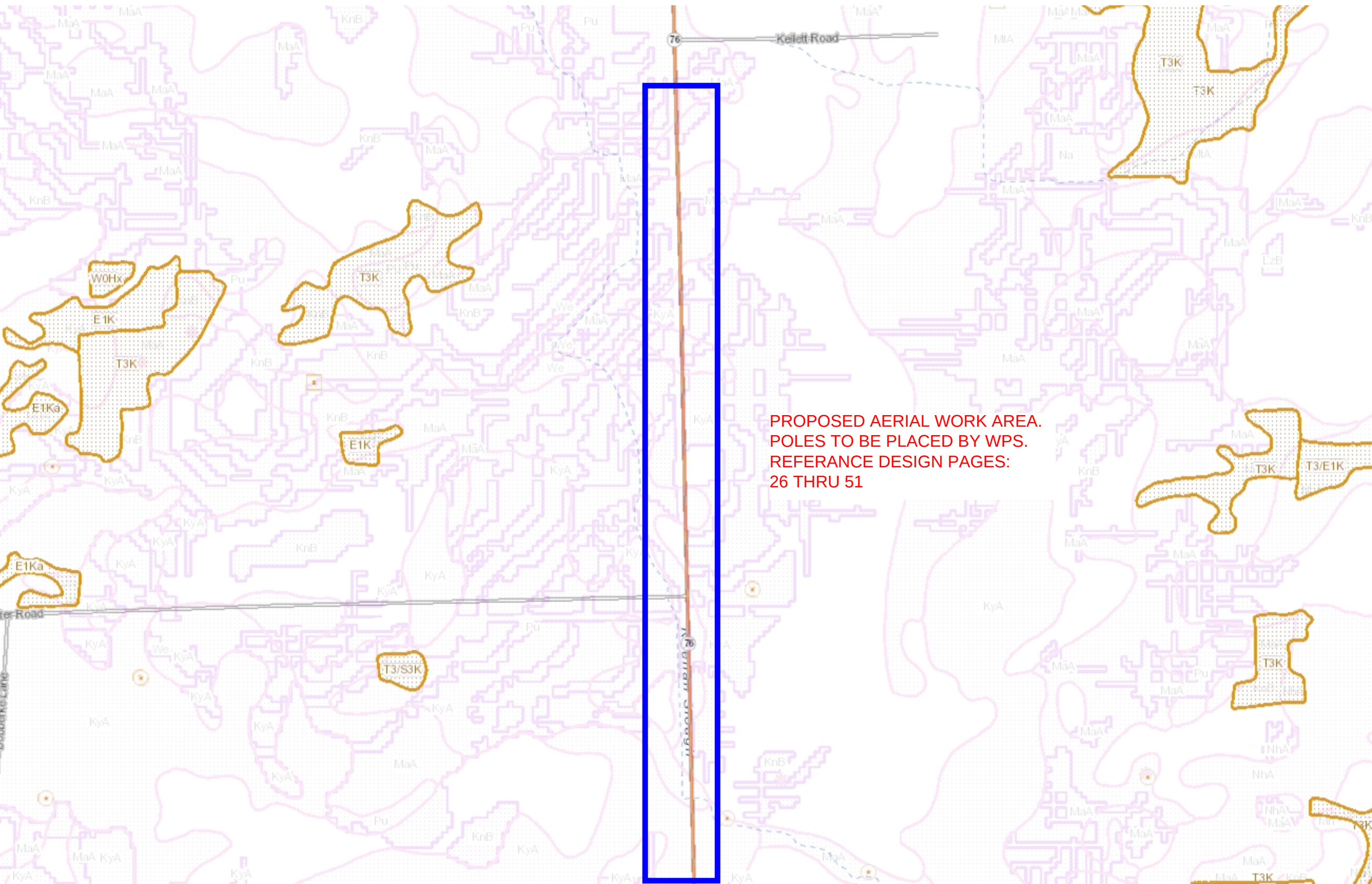
- Interstate Highway
- State Highway
- US Highway

County and Local Roads

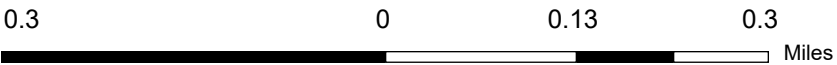
- County HWY
- Local Road

Railroads

- Tribal Lands
- Rivers and Streams
- Intermittent Streams
- Lakes and Open water



PROPOSED AERIAL WORK AREA.
POLES TO BE PLACED BY WPS.
REFERENCE DESIGN PAGES:
26 THRU 51



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1:7,920

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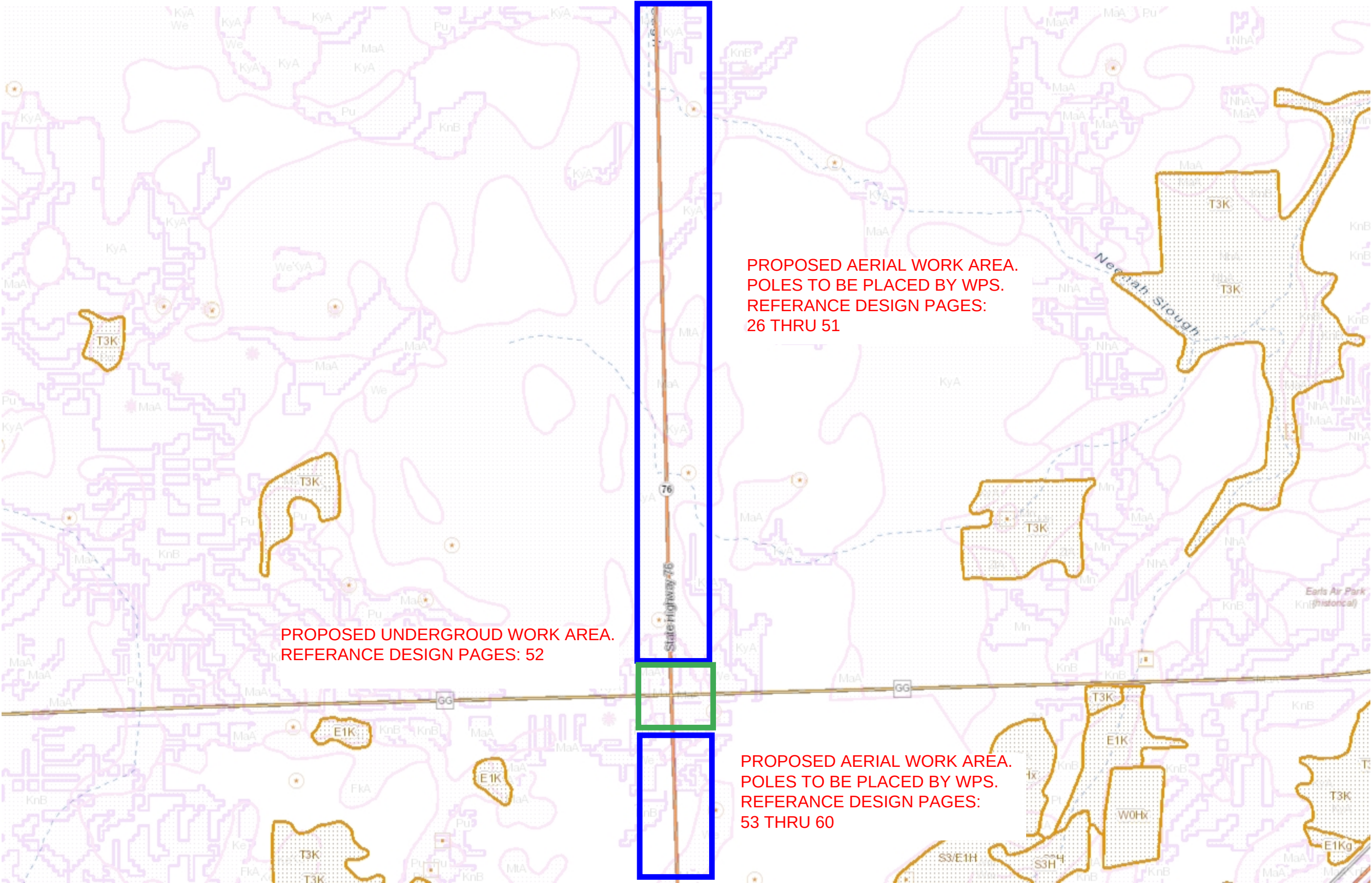


Wetland map - Charter ID:124031



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PROPOSED AERIAL WORK AREA.
POLES TO BE PLACED BY WPS.
REFERENCE DESIGN PAGES:
26 THRU 51

PROPOSED UNDERGROUD WORK AREA.
REFERENCE DESIGN PAGES: 52

PROPOSED AERIAL WORK AREA.
POLES TO BE PLACED BY WPS.
REFERENCE DESIGN PAGES:
53 THRU 60

0.3 0 0.13 0.3 Miles

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1:7,920

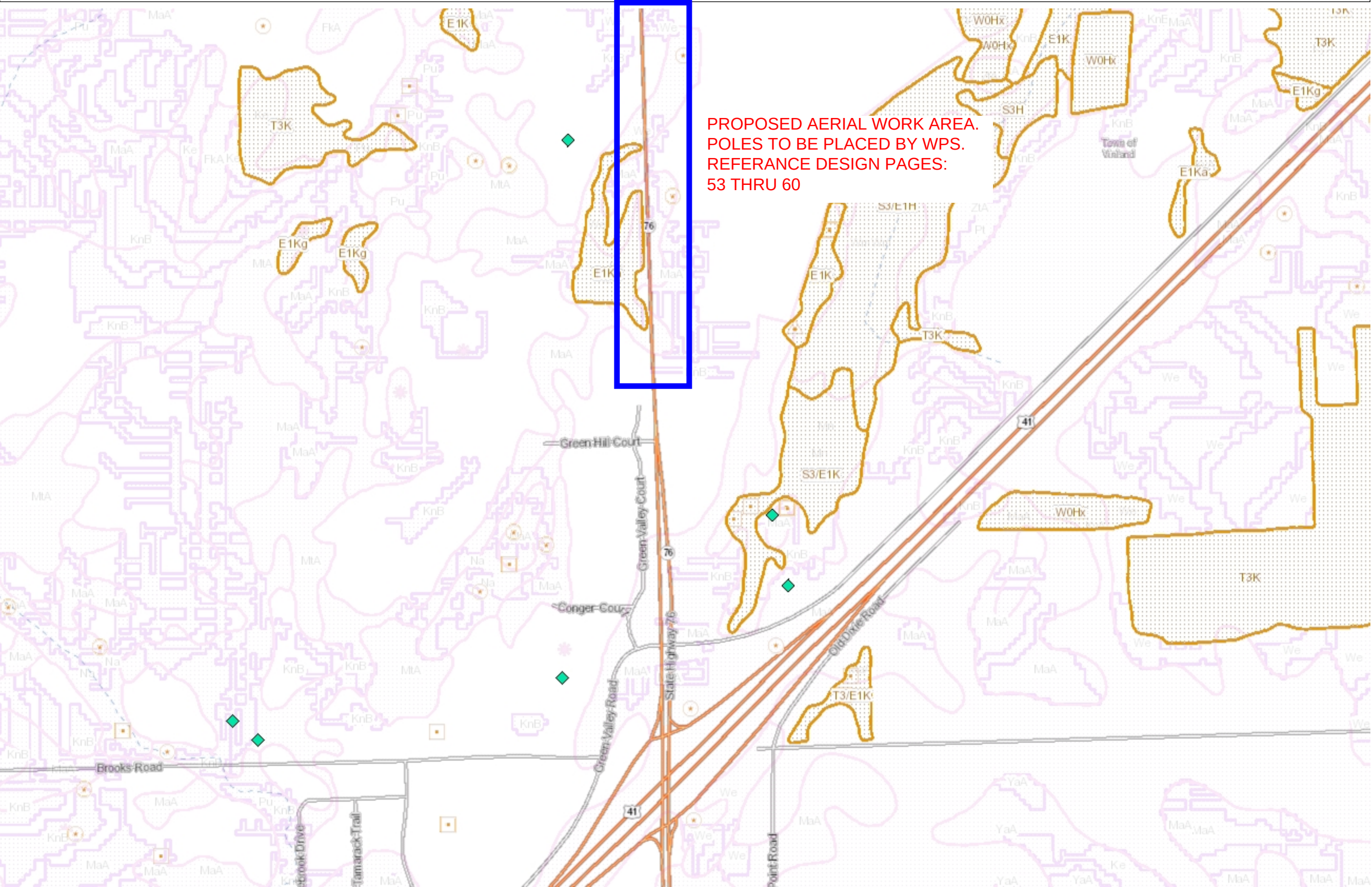
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State Project #6430-12-71



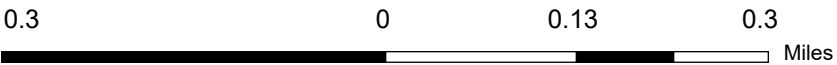
Wetland map - Charter ID:124031



PROPOSED AERIAL WORK AREA.
POLES TO BE PLACED BY WPS.
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Notes

State Project #6430-12-71

THESE TRAFFIC CONTROLS MEASURES WILL BE USED WITHIN THE JOB SKETCH

AS WORK OPERATIONS PROCEED ON THESE PRINTS A "WORK ZONE SAFETY" AREA NEEDS TO BE MAINTAINED WITH PROPER SIGNS, CANALIZING DEVICES, WARNING LIGHTS, & ARROW DISPLAYS UTILIZED FOR ON THE ROADWAY EQUIPMENT ON THE PAVEMENT OR SHOULDER OF THE ROAD.

ALL CONTROLLED DEPTH, DIRECTIONAL BORE ROADWAY CROSSINGS, REQUIRE A FLAG PERSON FOR TRAFFIC ROUTING AS THE BORE OPERATION ENTERS THE PAVED ROADWAY SHOULDERS, AND CONTINUING ACROSS THE ROAD, TO INSURE PROTECTION FOR THE INDIVIDUAL FOLLOWING THE BORE HEAD.

IF UPON CONSTRUCTION FURTHER TRAFFIC CONTROL IS NECESSARY REFER TO WISCONSIN DEPARTMENT OF TRANSPORTATION'S WORK ZONE SAFETY POCKET GUIDELINES FOR CONSTRUCTION, MAINTENANCE, & UTILITY OPERATIONS. THE CHOSEN CONTRACTOR IS RESPONSIBLE TO CONTACT THE DOT OR GOVERNING AUTHORITY WITH ANY ADDITIONAL TRAFFIC CONTROL PLANS.



15D28: Traffic Control, Work on Shoulder or Parking Lane, Undivided Roadway

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

SHOULDER TAPER LENGTH (FEET)		BUFFER SPACE (FEET)	
S	W	S	W
30	20	30	40
35	30	45	55
40	40	55	75
45	60	90	120
50	70	100	135
55	75	110	150

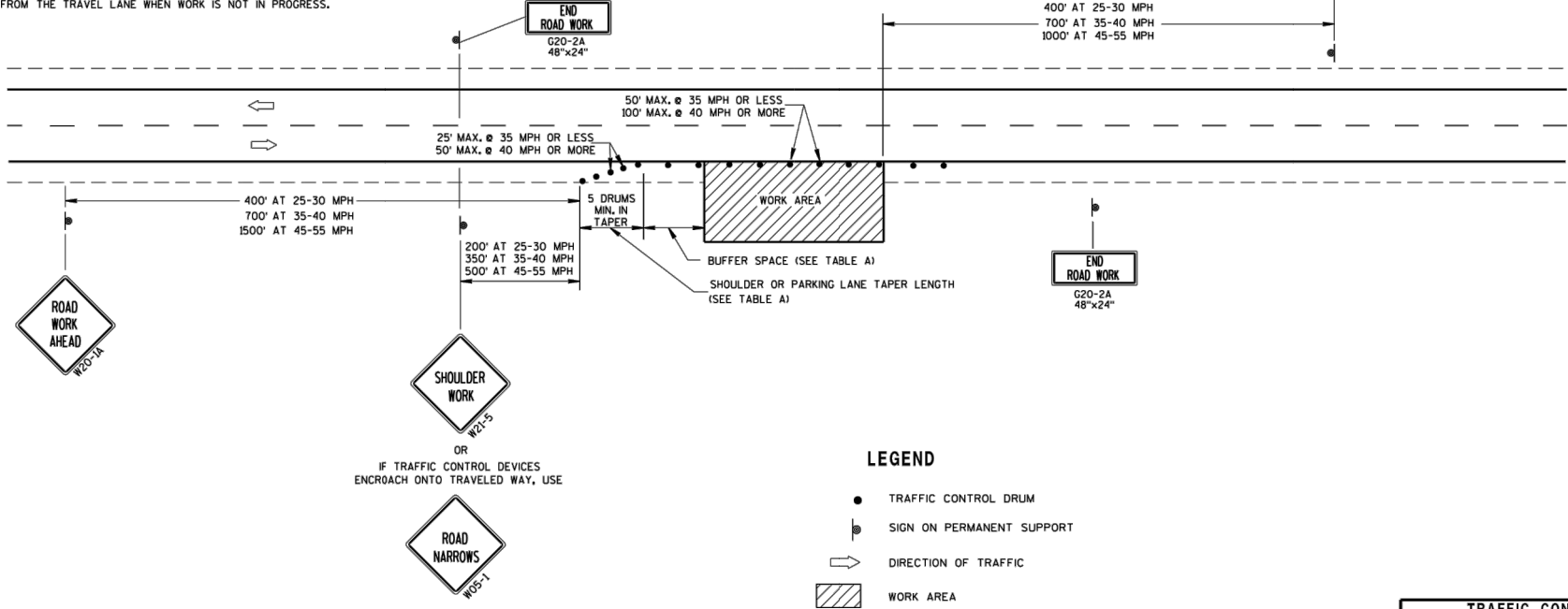
SHOULDER TAPER LENGTH = $\frac{1}{3}L$

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

L = $\frac{WS^2}{60}$ AT 40 MPH OR LESS



LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK AREA

TRAFFIC CONTROL,
WORK ON SHOULDER OR
PARKING LANE,
UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 14, 2015 /S/ Peter Amokobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER

S.D.D. 15 D 28-3

mi-TECH

LEGEND

- ⊗ JOINT POLE
- ⊙ NEW JOINT POLE
- × POWER POLE
- × NEW POWER POLE
- TELEPHONE POLE
- NEW TELEPHONE POLE
- EXISTING PEDESTAL
- NEW 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
- ✈ NEW GROUND
- PROPERTY LINE
- ROADWAY CENTERLINE
- FIBER WARNING SIGN
- ⦿ TRAFFIC LIGHT
- ⦿ HYDRANT
- ⦿ SIGNS
- ⦿ STREET LIGHT
- ✈ CONIFEROUS TREE

LINETYPES

STRAND PROPOSED	STRAND EXISTING
PROPOSED UNDERGROUND	JOINT U/G WITH POWER
CABLE TV	TV
FIBER	FD
TELEPHONE	T
CITY CONDUIT	CUC
GAS	G
ELECTRICAL	E
MUSD	MUSD
STD	STD
SANITARY	SAN
WATER	W
STEAM	STH
ROW	ROW

PROJECT #124031

Charter
COMMUNICATIONS

3520 DESTINATION DR
APPLETON, WI 54915



ADDRESS

STH 76

FILED BY: Darrell Gore

DATE:

DRAFTED BY: Darrell Gore

DATE:

DESIGNED BY:

DATE:

ASBUILTS BY:

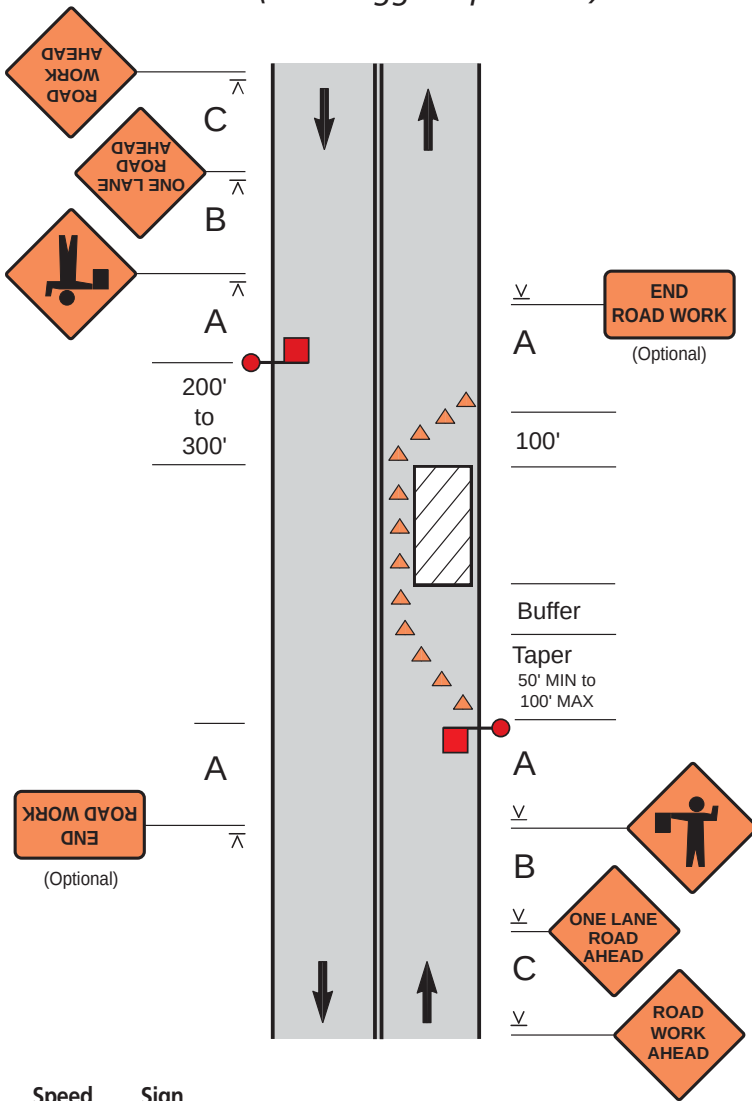
DATE:

LOCATION

WINNEBAGO, WI

Traffic

Lane Closure on a Two-Lane Road (Two Flagger Operation)



Speed Limit (mph)	Sign Spacing A, B, C (ft)	Buffer (ft)
25	200	155
30	200	200
35	350	250
40	350	305
45	500	360
50	500	425
55	500	495

Notes

1. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 56.
2. For short duration work (60 minutes or less), the ROAD WORK AHEAD sign may be omitted.