



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: 2019262

1. A temp full roadway closure is needed for any OH line crossings of STH 32. 2 flagger operation for the OH line crossing can be done. All traffic must be stopped until the OH line has been secured.

If the shoulder closure encroaches over the travel way edgeline, a lane closure with flagging is required to be in place instead of the shoulder closure.

2. (*HMM 09-15-60-4.2*) Send the LCS request to WisDOT for review and approval at the appropriate time in accordance with the following advance notifications guidelines:
 - a. 7 calendar days for any freeway ramp, lane or shoulder closure
 - b. 7 calendar days for full roadway closure of any state highway (detour involved)
 - c. 7 calendar days for closures that may impact oversize/overweight (OSOW) permits
 - d. 3 business days for closures non-freeway or shoulder closures

Contact Josh Falk, (920) 366-8033 or joshua.falk@dot.wi.gov.

3. DNR Note: During the bore operation, please monitor the bore path across sensitive resources for inadvertent frac-outs. Please make sure the contractor has appropriate materials on site to contain and clean up a frac-out in wetlands and waterways if one should occur.
4. (*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. 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.
5. 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.
6. (*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.
7. (*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.
8. (*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 Net-Lec LLC 450 Security Blvd Green Bay, WI. 54313		2. Work Start Date Upon Approval 9/1/2020	3. Work Finish Date★ 9/1/2020	6. Location Description (¼ section, section, town, range; provide plat and/or location maps) S3220N19E, S3120N19E, S0619N19E, S0519N19E, S0819N19E, S0919N19E, S1019N19E, S119N19E, S1219N19E, S0719N20E	
4. Is the work due to a WisDOT highway project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5. Applicant Work Order (If any)		7. Work Location (List all that apply) Town: Woodville Village: See page 2 City: _____ County: Calumet	
9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.) <input checked="" type="checkbox"/> Comm: 1-96ct fiber optci <input type="checkbox"/> Electric: _____ <input type="checkbox"/> Gas/Oil: _____ <input type="checkbox"/> Water: _____ <input type="checkbox"/> Sewer: _____ <input type="checkbox"/> Casing: _____ <input checked="" type="checkbox"/> Conduit: 2-1.25" HDPE <input type="checkbox"/> _____ <input type="checkbox"/> Transmission <input type="checkbox"/> Service <input type="checkbox"/> Distribution <input type="checkbox"/> Service (ESCP)		12. Proposed Work Methods (Check all that apply) <input type="checkbox"/> Trench <input type="checkbox"/> Plow <input type="checkbox"/> Place fill <input type="checkbox"/> Rock blasting <input type="checkbox"/> Place cable <input type="checkbox"/> Open cut <input type="checkbox"/> in conduit <input type="checkbox"/> pavement <input type="checkbox"/> Hand/mechanical excavation Bore: <input type="checkbox"/> Hydraulic (Auger/Jack/Tunnel) <input type="checkbox"/> Pneumatic (Mole) <input checked="" type="checkbox"/> Directional 1 (Manually tracked) <input type="checkbox"/> Directional 2 (Computer tracked) <input type="checkbox"/> Unknown (At this time)		8. Highway (List all that apply) WIS: 114/55 US: _____ Interstate: _____	
10. Facility Orientation (Check all that apply) <input checked="" type="checkbox"/> Underground <input checked="" type="checkbox"/> Overhead <input checked="" type="checkbox"/> Crossing <input checked="" type="checkbox"/> Parallel <input type="checkbox"/> OSOW high clearance route <input type="checkbox"/> Structure attachment <input type="checkbox"/> Scenic easement (Off right-of-way)		Install or attach to poles/towers: <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing <input checked="" type="checkbox"/> Guys WE Energies (~Diameter) (Name of existing owner) (Provide details for all guy-wires on plan sheets) Pothole (Subsurface excavation): <input type="checkbox"/> Air <input type="checkbox"/> Water Tree/vegetation control: <input type="checkbox"/> Trim (Prune) <input type="checkbox"/> Plant <input type="checkbox"/> Remove (Cut) <input type="checkbox"/> Mow <input type="checkbox"/> Chemically treat		13. Work Zone Description (Check all that apply). (Provide relevant diagram(s) with application.) <input type="checkbox"/> Not applicable <input type="checkbox"/> Full road closure: detour <input checked="" type="checkbox"/> Full road closure: temporary <input type="checkbox"/> Lane closure: without flagging <input checked="" type="checkbox"/> Lane closure: with flagging (if needed) <input checked="" type="checkbox"/> Lane encroachment (2 feet or less) <input checked="" type="checkbox"/> Intersection/roundabout <input checked="" type="checkbox"/> Shoulder/parking lane closure <input type="checkbox"/> Railroad crossing Freeway/expressway location <input type="checkbox"/> Off shoulder: < 30' off white line <input type="checkbox"/> Off shoulder: ≥ 30' off white line <input type="checkbox"/> Near right-of-way line or fence Non-freeway/expressway location <input checked="" type="checkbox"/> Off shoulder: < 15' off white line <input checked="" type="checkbox"/> Off shoulder: ≥ 15' off white line <input type="checkbox"/> Back of curb: < 2' behind <input type="checkbox"/> Back of curb: ≥ 2' behind	
11. Work Types (Check all that apply) <input checked="" type="checkbox"/> New facility <input type="checkbox"/> Remove <input type="checkbox"/> Joint install <input type="checkbox"/> Maintenance <input type="checkbox"/> Improve or repair existing <input type="checkbox"/> Discontinue, left in place		14. Is the facility near a survey monument? HMM 09-15-35 If yes, call (866) 568-2852 or email geodetic@dot.wi.gov . <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 15. Will appurtenances be installed with the facility? If yes, provide a description and/or specification for each item. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 16. Trans 401 project designation? If Major, provide a formal erosion control plan. HMM 09-15-55 <input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor 17. Are any environmental approvals, certifications or permits required from other regulatory agencies, including tribal governments? If yes, provide a copy of each item. If no, provide proof of other agency coordination as needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

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

18. Utility Person Responsible for Construction Rick Vincent	Telephone Number 920-617-7316	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 Utility Accommodation Policy , current edition.
19. Utility or Project 24/7 Emergency Contact	Telephone Number	
20. Provide company name and address of utility authorized representative if not employed by the applicant. Net-Lec LLC 450 Security Blvd Green Bay, WI. 54313	Rick Vincent (Utility Authorized Representative Signature – If filled via computer, brush script font) Senior Network Operations MGR 920-617-7316 rick.vincent@nsight.com (Title) (Telephone Number) (Email Address) 8/14/2019 (Date) 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.	
21. Provide additional work details, if needed (use back page or include separate pages)		

For Wisconsin Department of Transportation Use Only

<input checked="" type="checkbox"/> 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	<input checked="" type="checkbox"/> Review All Supplemental Permit Provisions <input checked="" type="checkbox"/> Revisions Made to Drawings or Other Pages <input checked="" type="checkbox"/> Lane Closure System notification required HMM 09-15-60 <input type="checkbox"/> Insurance or performance bond required <input type="checkbox"/> Joint installation: See permit(s) # _____ <input type="checkbox"/> Private utility (Non-public ownership and/or use) <input type="checkbox"/> Expedited Service Connection Permit <input type="checkbox"/> This permit voids & supersedes # _____ issued: _____ <input type="checkbox"/>	Application Received 8/14/2019 Application Completed 10/24/2019 Permit Issued 10/31/2019 Permit Extended Permit Amended Permit Number 2019262

(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

Net-Lec placing (2) 1.25" HDPE conduits with one containing a 96ct fiber optic cable via plow/directional drill in the buried sections. Placing (1) 96ct fiber optic cable in the aerial sections. Construction prints included.

Villages: Sherwood, Harrison, Hilbert

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 2019.** The Permittee shall not work on January 1, May 27, July 4, September 2, and November 28, 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

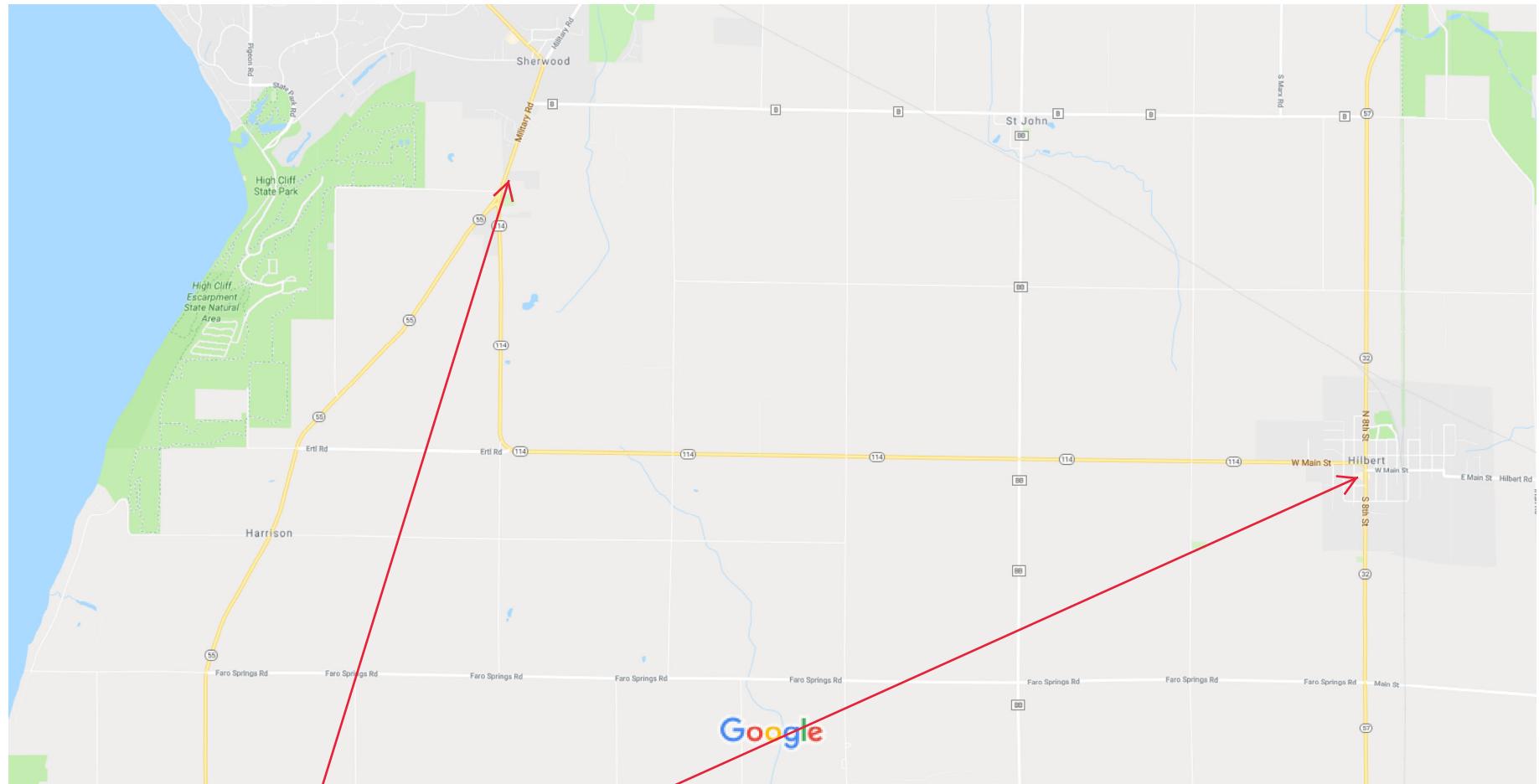
14. **NOTIFICATIONS / CONTACTS.** Notify Northeast Region permit coordinator/field inspector, by phone or email, three days prior to the start of construction. Notify Diggers' Hotline 800/242-8511 at least three working days prior to the start of any excavation. It is the obligation of the permittee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

Google Maps

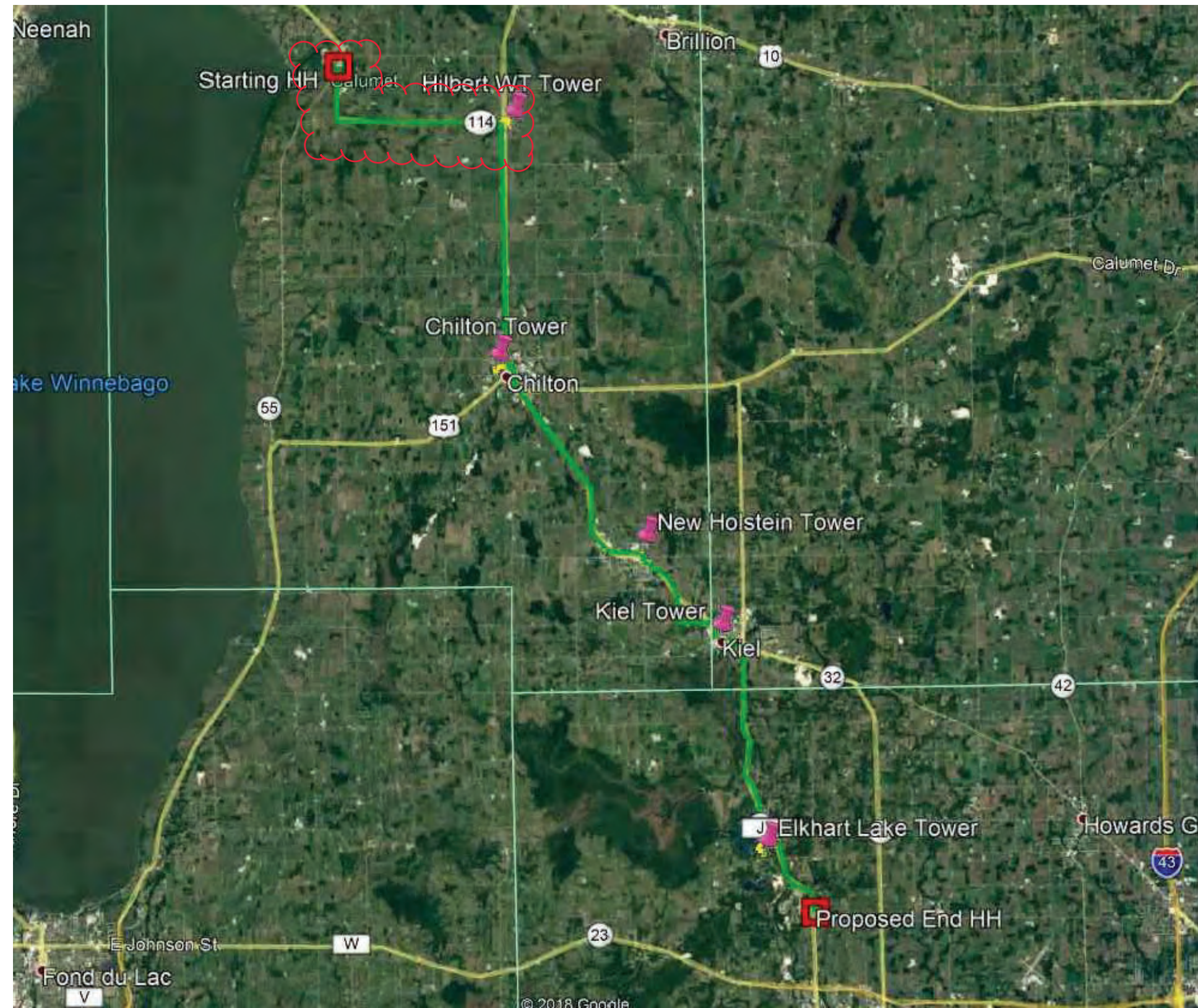


Map data ©2019 2000 ft





**CLICK LINK TO VIEW THIS
AREA IN GOOGLE MAPS**<https://www.google.com/maps/@44.1456317,-88.2331487,14z>

8/14/2019

NET-LEC, LLC
SHERWOOD TO PLYMOUTH
NL18-47
FIBER BUILD
AREA MAP

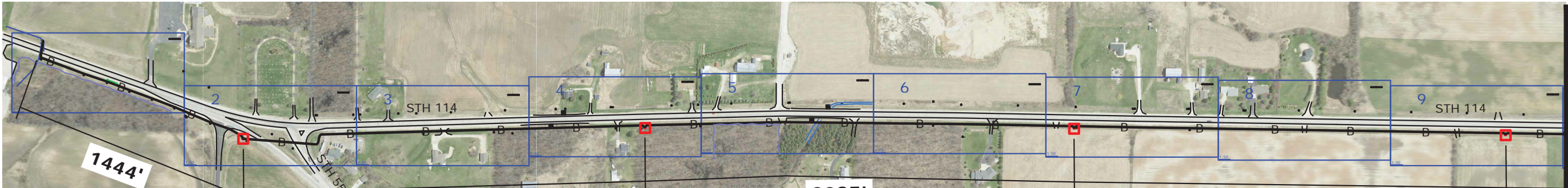


SYMBOL LEGEND

-  - PROPOSED HANDHOLE
-  - BURIED CABLE ROUTE
-  - AERIAL CABLE ROUTE
-  - PROPOSED AERIAL SLACK LOOP

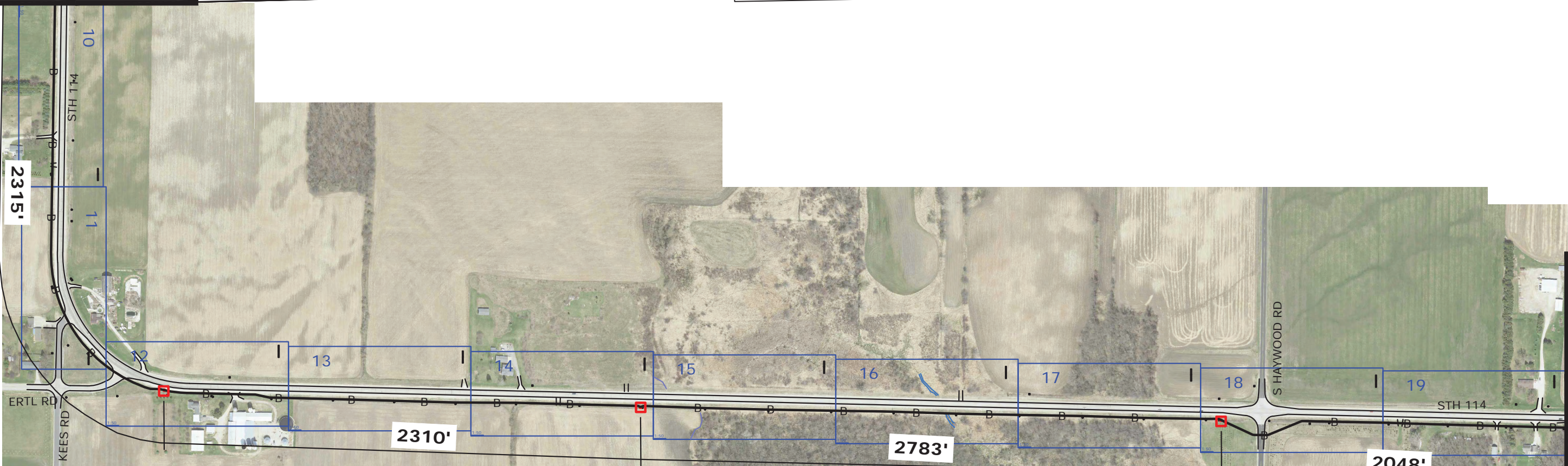
OVERVIEW 1 OF 14

NOTE:
- DISTANCE BETWEEN HANDHOLES/SLACK LOOPS ON
KEY MAPS INCLUDE ALL SLACK LOOPS AND 5% FAT







2074' 2205' 2205'

MATCHLINE



2315' 2310' 2783' 2048'

SYMBOL LEGEND

-  - PROPOSED HANDHOLE
-  - BURIED CABLE ROUTE
-  - AERIAL CABLE ROUTE
-  - PROPOSED AERIAL SLACK LOOP

OVERVIEW 2 OF 14





NOTE:
- DISTANCE BETWEEN HANDHOLES/SLACK LOOPS ON
KEY MAPS INCLUDE ALL SLACK LOOPS AND 5% FAT



MATCHLINE

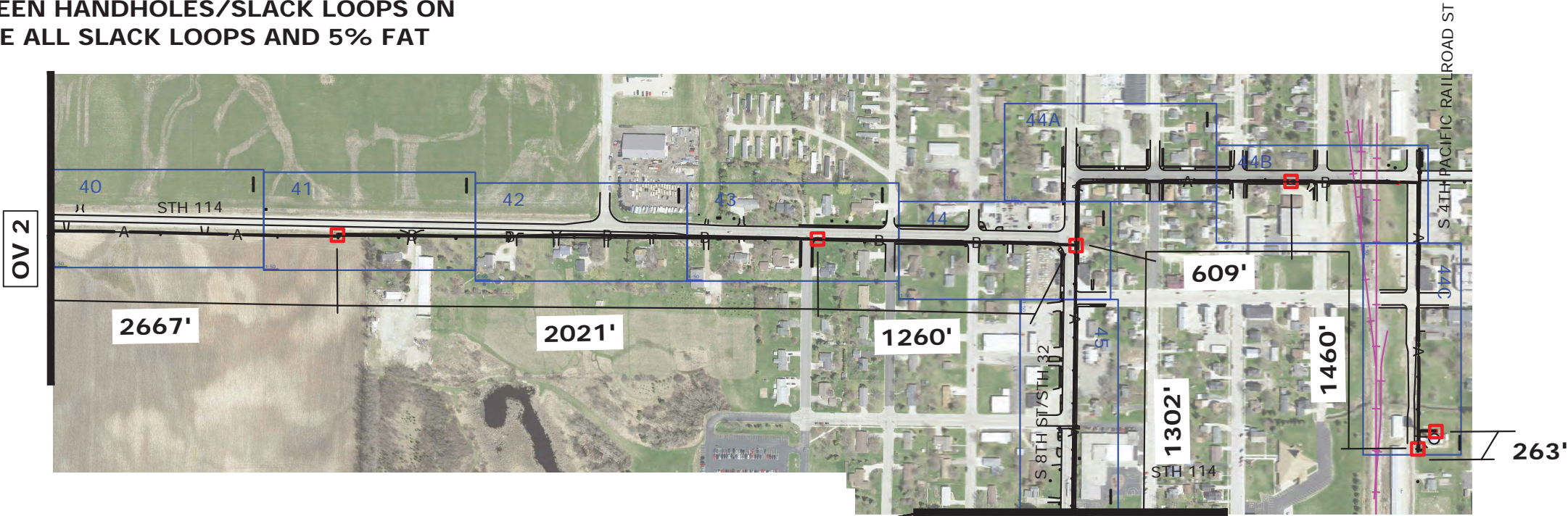


SYMBOL LEGEND

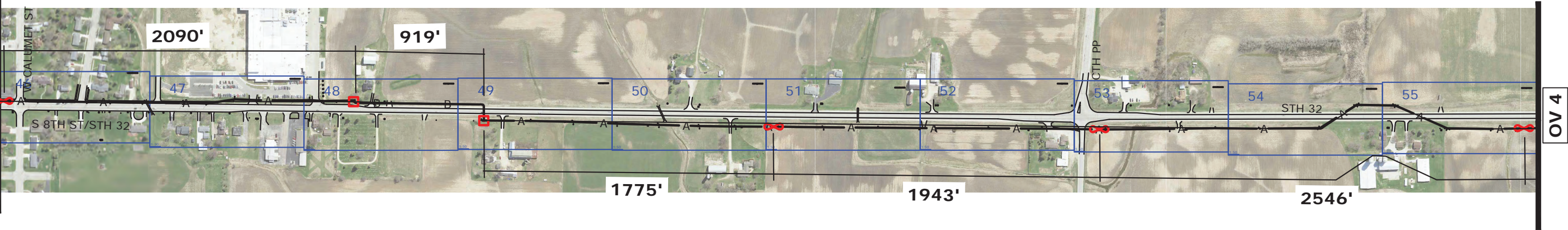
-  - PROPOSED HANDHOLE
-  - BURIED CABLE ROUTE
-  - AERIAL CABLE ROUTE
-  - PROPOSED AERIAL SLACK LOOP

OVERVIEW 3 OF 14

NOTE:
- DISTANCE BETWEEN HANDHOLES/SLACK LOOPS ON
KEY MAPS INCLUDE ALL SLACK LOOPS AND 5% FAT



MATCHLINE



GENERAL CONSTRUCTION NOTES:

1. CONSTRUCTION PERMITS OR NOTIFICATIONS HAVE BEEN COMPLETED OR APPLIED FOR BY MI-TECH SERVICES.
2.

CONTACTS:

MI-TECH SERVICES

NSIGHT TELESERVICES

PAUL CARRICK

RICK VINCENT

(920) 609-4501

(920) 617-7316
3. ANY ADJACENT AREAS DAMAGED DURING CONSTRUCTION MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
4. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY IRONS DURING CONSTRUCTION AND RESET BY A LICENSED LAND SURVEYOR IF DISTURBED.
5. ROUTE DEVIATIONS SHALL NOT BE ALLOWED WITHOUT CONCURRENCE OF DESIGNER.
6. BRUSHING AND TREE REMOVAL IS THE RESPONSIBILITY OF THE CONTRACTOR WITH THE FOLLOWING CONDITIONS:
-ALL BRUSH AND TREES ARE TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
7. ALL ROCKS TURNED UP DURING PLACEMENT MUST BE REMOVED BY CONTRACTOR OR PLACED BACK IN TRENCH DURING RESTORATION SO AS NOT TO CAUSE A HAZARD FOR VEHICLE OR FOOT TRAVEL.
8. ALL ABRUPT CHANGES IN GRADE SUCH AS BERMS AND DITCHES SHALL BE GRADUALLY SLOPED AND RESTORED TO THEIR NATURAL STATE.
9. UNLESS OTHERWISE SPECIFIED BY THE DESIGNER, THE CABLE PLACING DEPTHS ARE:

FIBER OPTIC CABLE

MINIMUM DEPTH IN SOIL 36"

MINIMUM DEPTH AT ROAD CROSSING 60" (IN RURAL AREAS)
10. THE CONTRACTOR IS RESPONSIBLE FOR PLACING ROAD GRAVEL IN ALL HAND HOLES PLACED OR ENTERED.
11. A MINIMUM 6" BED OF ROAD GRAVEL SHOULD BE PLACED PRIOR TO SETTING HAND HOLES.
12. ACORN TYPE HEX HEAD THREADED GROUND ROD CLAMPS SHOULD BE USED TO FASTEN GROUND WIRE TO GROUND RODS IN HAND HOLES WITHOUT RHINO TEST STATIONS.
13. ALL CABLE, DUCT & TRACER WIRE SHOULD BE TAGGED BY CONSTRUCTION CONTRACTOR.
14. BORES OVER 500 FT. MAY BE BROKEN UP INTO SHORTER BORES FOR CONTRACTORS CONVENIENCE, WITH THE EXCEPTION TO PLACING BORE PITS IN WETLANDS WHICH WILL HAVE TO BE APPROVED BY DESIGNER.
15. PROPOSED WETLAND BORE PITS SHOULD BE RECEIVING PITS ONLY, PREFERABLY COUPLING OF DUCT BE COMPLETED BY HAND-DIGGING ONLY. DO NOT SET UP THE BORE RIG IN WETLANDS, WITHOUT PRIOR AUTHORIZATION.
16. ALL AERIAL CONSTRUCTION TO MEET NESC AND RUS SPECIFICATIONS.
17. THE CONSTRUCTION CONTRACTOR SHALL SUPPLY DUCT PLUGS AND PLUG ALL DUCT IN HAND HOLES AND AT RISERS.
18. PROPOSED PLACEMENT OF FACILITIES IS BASED ON DESIGN AND PLANNING LOCATES OBTAINED THROUGH THE STATE ONE CALL SYSTEM. ACTUAL FACILITY PLACEMENT IS SUBJECT TO CHANGE BASED ON FIELD LOCATES ENCOUNTERED DURING CONSTRUCTION.
19. PERMITS (PERMIT BOOK WILL BE PROVIDED PRIOR TO CONSTRUCTION). THE CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND FOLLOWING ANY AND ALL STIPULATIONS SET FORTH BY THE PERMIT ENTITIES. DOOR COUNTY PERMIT IS REQUIRED FOR THIS PROJECT. PERMITS REQUIRED: YES FOR OUTAGAMIE COUNTY AND VILLAGE OF KIMBERLY



450 Security Blvd. • Green Bay, WI • 54313 • Phone 920-617-7000 • Fax 920-617-7319
P.O. Box 19079 • Green Bay, WI 54307-9079 www.n sight.com

NSIGHT PROJECT:

NL19-17 Calumet County Fiber Build		
MI-TECH DESIGNER:	PAUL CARRICK	
PHONE NUMBER:	920-609-4501	
EMAIL ADDRESS:	pcarrick@mi-tech.us	
PHYSICAL ADDRESS:	1700 INDUSTRIAL DR	

	DATE
NSIGHT PO RECEIVED:	4/12/2019
REQUESTED COMPLETION:	

	DATE:	MI-TECH SIGNATURE
COMPLETION OF BASE MAPS:	11/13/2018	<i>Andy Lee</i>
COMPLETION OF MAP FIELDING:	6/18/2019	<i>Paul Carrick</i>
COMPLETION OF PLACING PLANT:	6/16/2019	<i>Paul Carrick</i>
COMPLETION OF POLE FIELD WORK:	2/26/2019	<i>Paul Carrick</i>
COMPLETION OF POLE OFFICE WORK:	7/5/2019	<i>Paul Carrick</i>
COMPLETION OF MAPPING QC:	7/8/2019	<i>Paul Carrick</i>

	DATE:	MI-TECH SIGNATURE
PRINTS SENT TO NSIGHT FOR REVIEW:	7/8/2019	<i>Paul Carrick</i>
POLE WORK SENT IN FOR PE REVIEW:		

	DATE:	NSIGHT SIGNATURE
COMPLETED PE REVIEW		
COMPLETED JOB REVIEW		
FINAL SIGN OFF		

TYPICAL AERIAL POLE BOX DETAILS

EXISTING POWER POLE

(HEIGHTS IN RED) =
ATTACHMENT HEIGHTS
AFTER "MAKE READY"
RECOMMENDATIONS

POLE# 3128 19L22	POLE NUMBER
P. 28'6" NEU	POWER = NEUTRAL ATTACHMENT
P. 27'10" TRANS	POWER = BOTTOM OF TRANSFORMER CAN
P. 26'8" STL	POWER = BOTTOM OF STREET LIGHT BRACKET
P. 26'2" STL DRIP	POWER = STREET LIGHT DRIP LOOP
P. 25'8" SEC	POWER = SECONDARY ATTACHMENT
P. 25'6" SEC DRIP	POWER = SECONDARY DRIP LOOP
P. 24'10" (25'4") RISER	POWER = TOP OF RISER GUARD
CATV. 22'6" (22'0")	CABLE TV ATTACHMENT HEIGHT
TELE. 20'11"	TELEPHONE ATTACHMENT HEIGHT
FIBER. 19'11"	FOREIGN FIBER ATTACHMENT HEIGHT
N. 18'11"	NSIGHT/NETLEC = PROPOSED ATTACHMENT HEIGHT
PLACE ANCHOR L=6'	NSIGHT/NETLEC = PROPOSED ANCHOR LEAD PLACEMENT, WHICH CORRESPONDS TO THE APPROPRIATE SYMBOL FOUND ON THE DESIGN PLANNING SHEET
ATTACH TO THE EXISTING CATV ANCHOR (NORTH) L=13' 2 OPEN EYES	NSIGHT/NETLEC = PROPOSED EXISTING ANCHOR LEAD ATTACHMENT, WHICH CORRESPONDS TO THE APPROPRIATE SYMBOL FOUND ON THE DESIGN PLANNING SHEET *(MULTIPLE ANCHORS WILL REFERENCE THE COMPASS HEADING)
"MAKE READY"	POLE REQUIRES MAKE READY FOR ATTACHMENT
RAISE RISER 6"	MAKE READY RECOMMENDATION
LOWER CATV 6"	MAKE READY RECOMMENDATION

EXISTING POWER POLE

MIDSPAN# 51	MIDSPAN NUMBER
P. 21'1" #6 DUPLEX	POWER = CONDUCTOR HEIGHT
P. 20'2" P 32/ICE OR P 194	POWER = WORST CASE SCENARIO SAG WITH EITHER 32° W/ .5" ICE OR AT 194°
CATV. 19'3"	CABLE TV CABLE/STRAND HEIGHT
TELE. 18'11" N/S	TELEPHONE NAKED STRAND HEIGHT
N. 17'6"	NSIGHT/NETLEC = PROPOSED INITIAL MIDSPAN HEIGHT
N/I. 16'7"	NSIGHT/NETLEC = PROPOSED MIDSPAN HEIGHT WITH HEAVY ICE STORM LOADING APPLIED
T. 502 LB	NSIGHT/NETLEC = PROPOSED INITIAL MIDSPAN TENSION
T/L 1.641	NSIGHT/NETLEC = PROPOSED MIDSPAN TRANSVERSE LOAD
EXISTING VIOLATION	EXISTING VIOLATION FLAG = UTILITIES IN VIOLATION WILL BE HIGHLIGHTED, BUT MAKE READY MIGHT NOT BE REQUIRED FOR THE PROPOSED CABLE. *(VIOLATION WILL BE TAKEN INTO CONSIDERATION DURING THE DESIGN AND THE APPROPRIATE CLEARANCES WILL BE LEFT FOR ADJUSTMENT)

RECOMMENDED POLE CHANGE OUTS

POLE# 3128 19L23 P. 30'2" (34'2") NEU P. 27'0" (31'0") SEC P. 26'10" (30'10") TRANS P. 26'5" (30'5") ANCHOR TELE. 22'5" (26'7") N. 25'7" 'MAKE READY' CHANGE OUT POLE	MIDSPAN# 52 P. 20'7" (22'7") #2 ACSR P/I. 19'3" (21'3") TELE. 16'8" (18'9") N. 17'9" N/I. 17'3" T. 285 LB T/L. 1.641 'MAKE READY' CHANGE OUT POLE #3127 19L23 FOR MIDSPAN CLEARANCE
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NSIGHT/NETLEC NEW POLE PLACEMENT

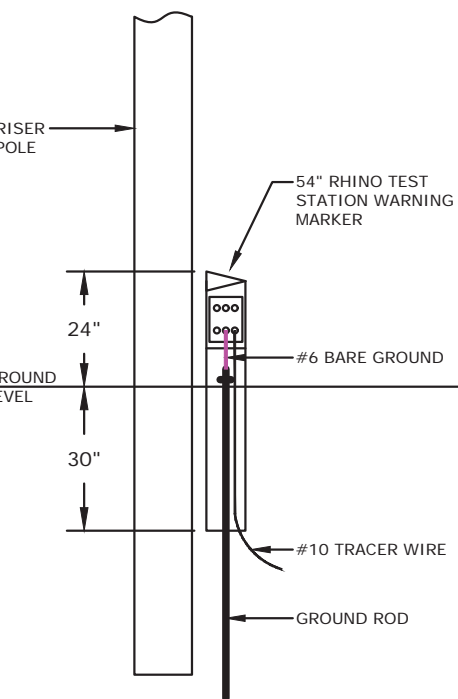
NEW POLE# 5	NSIGHT/NETLEC = NEW POLE NUMBER
35' CLASS 5	NSIGHT/NETLEC = NEW POLE HEIGHT AND CLASS
POLE TOP. 29'6"	NSIGHT/NETLEC = APPROXIMATE NEW POLE HEIGHT TO TOP AFTER PLACEMENT
N. 27'6"	NSIGHT/NETLEC = PROPOSED ATTACHMENT HEIGHT

EXISTING FOREIGN COMMUNICATION POLE

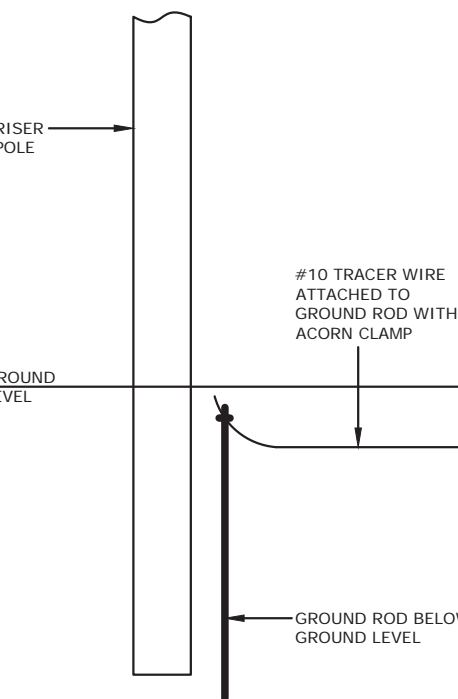
POLE# 1	POLE NUMBER
POLE TOP. 25'0"	POLE HEIGHT TO TOP
TELE. 23'11"	TELEPHONE ATTACHMENT HEIGHT
N. 22'11"	NSIGHT/NETLEC = PROPOSED ATTACHMENT HEIGHT

*IF ALLOWABLE CLEARANCES ARE NOT ATTAINABLE BY "MAKE READY" ADJUSTMENTS, A POLE CHANGE OUT WILL BE RECOMMENDED. THIS NOTE COULD BE FOUND AT THE POLE OR MIDSPAN AND WILL REFERENCE THE POLE TO BE REPLACED. A RECOMMENDATION OF THE NEW ATTACHMENT HEIGHTS WILL BE PROVIDED ON THE PRINTS IN "RED" AND THE PROPOSED STRUCTURE SIZE WILL BE PROVIDED IN A SEPARATE MAKE READY DOCUMENT.

TYPICAL GROUNDING OF TRACER WIRE AT RISER POLE WITH RHINO TEST STATION

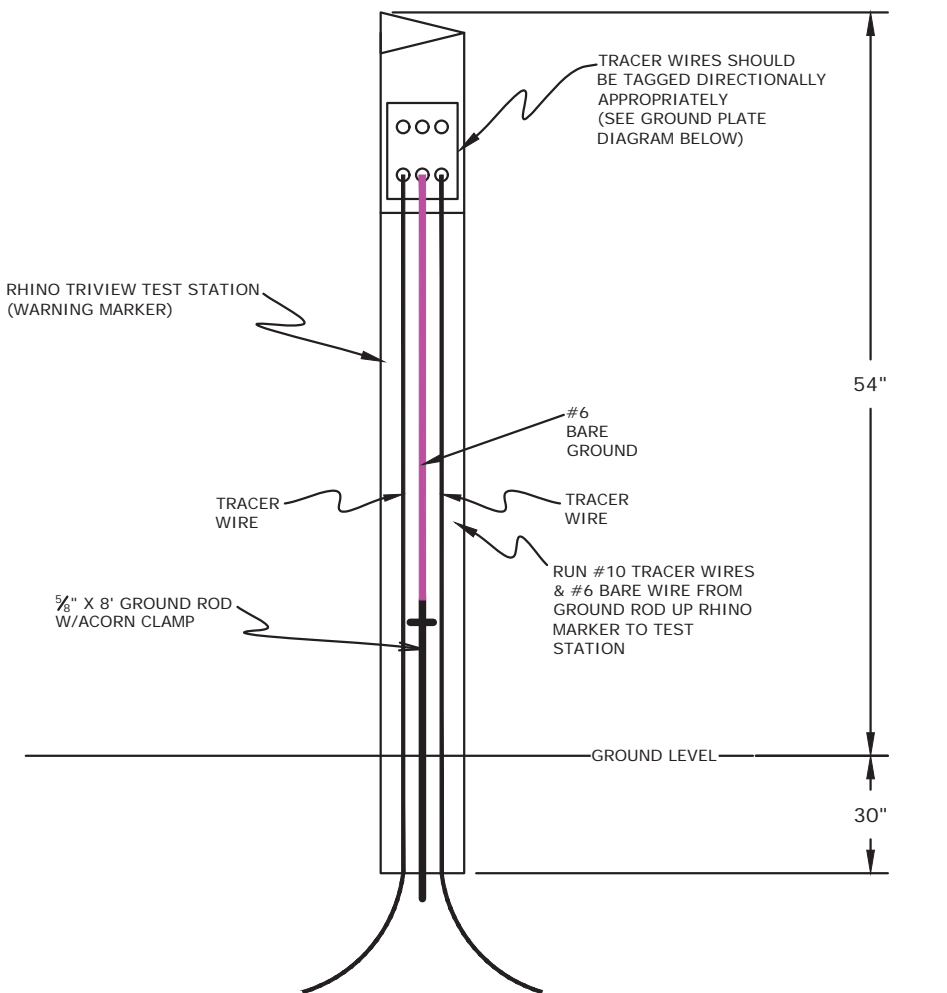


TYPICAL GROUNDING OF TRACER WIRE AT RISER POLE WITHOUT A RHINO TEST STATION

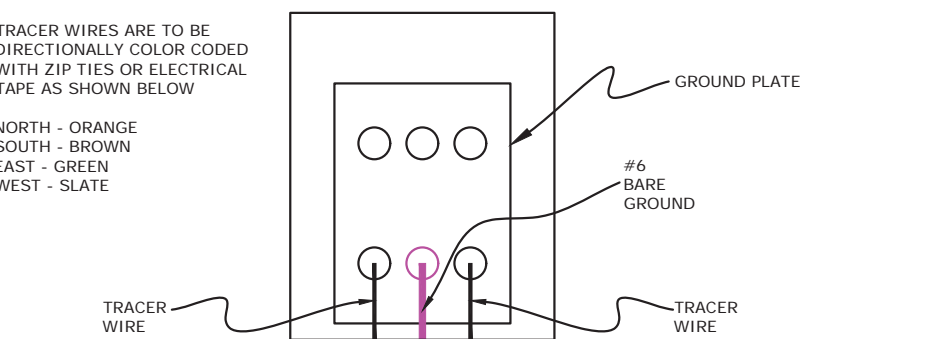


NET-LEC, LLC
SHERWOOD TO PLYMOUTH
NL18-47
FIBER BUILD
TYPICAL CONSTRUCTION DRAWINGS

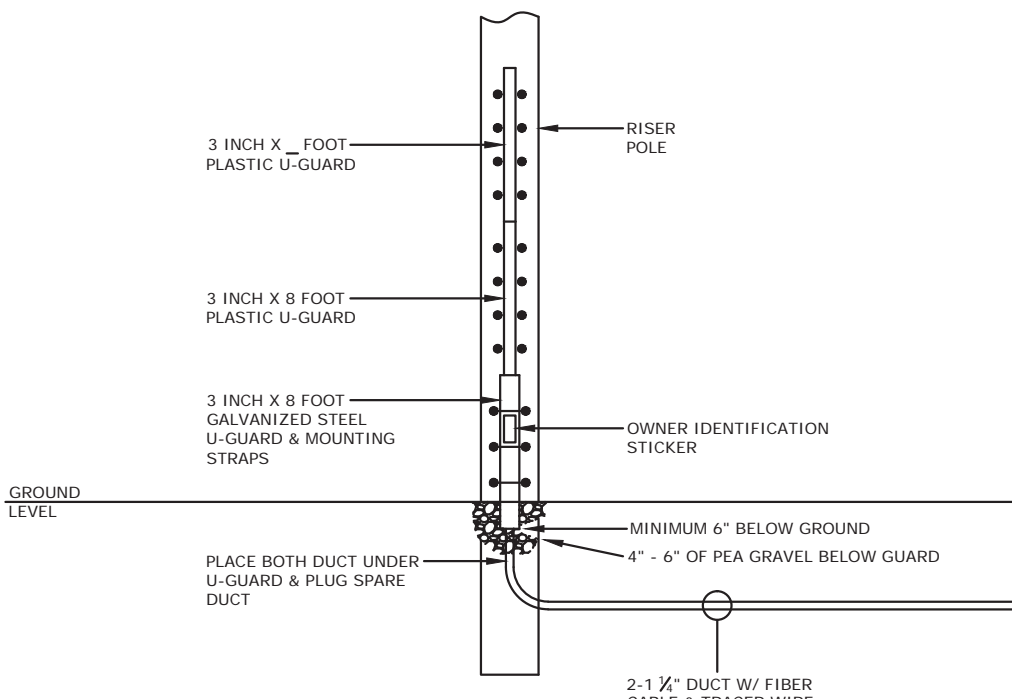
TYPICAL RHINO TEST STATION INSTALLATION (WITHOUT HANDHOLE)
SIDE VIEW



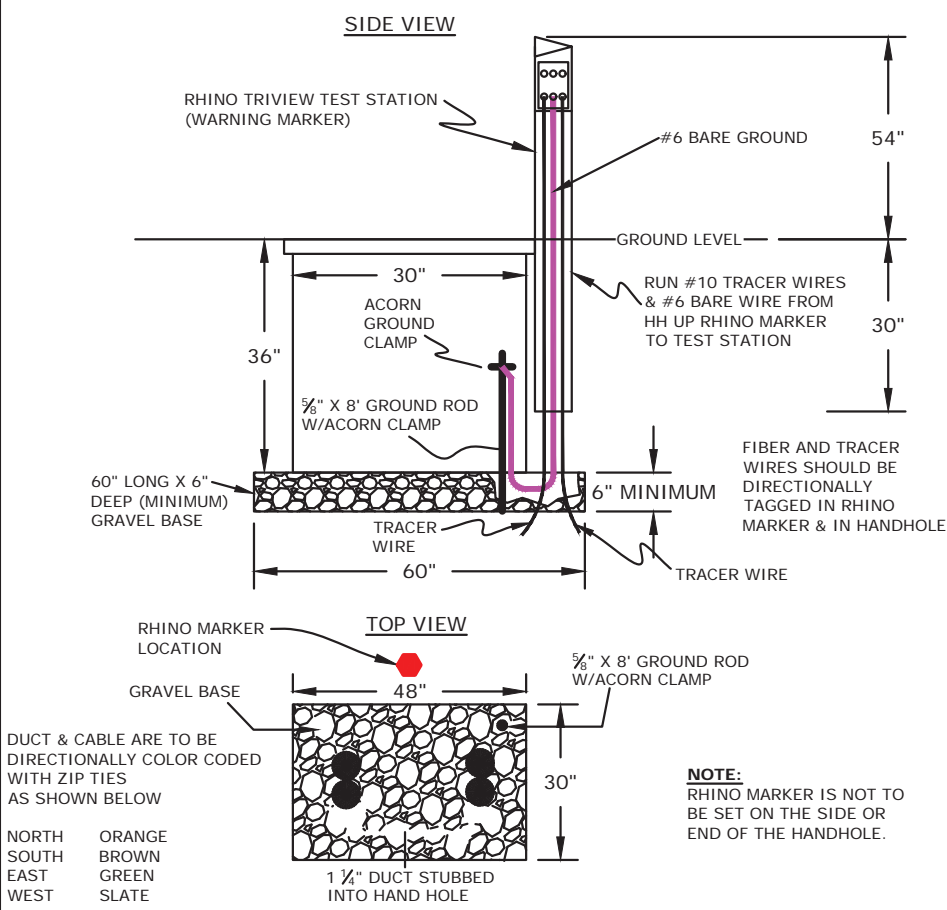
TYPICAL RHINO TEST STATION (GROUND PLATE DETAIL)



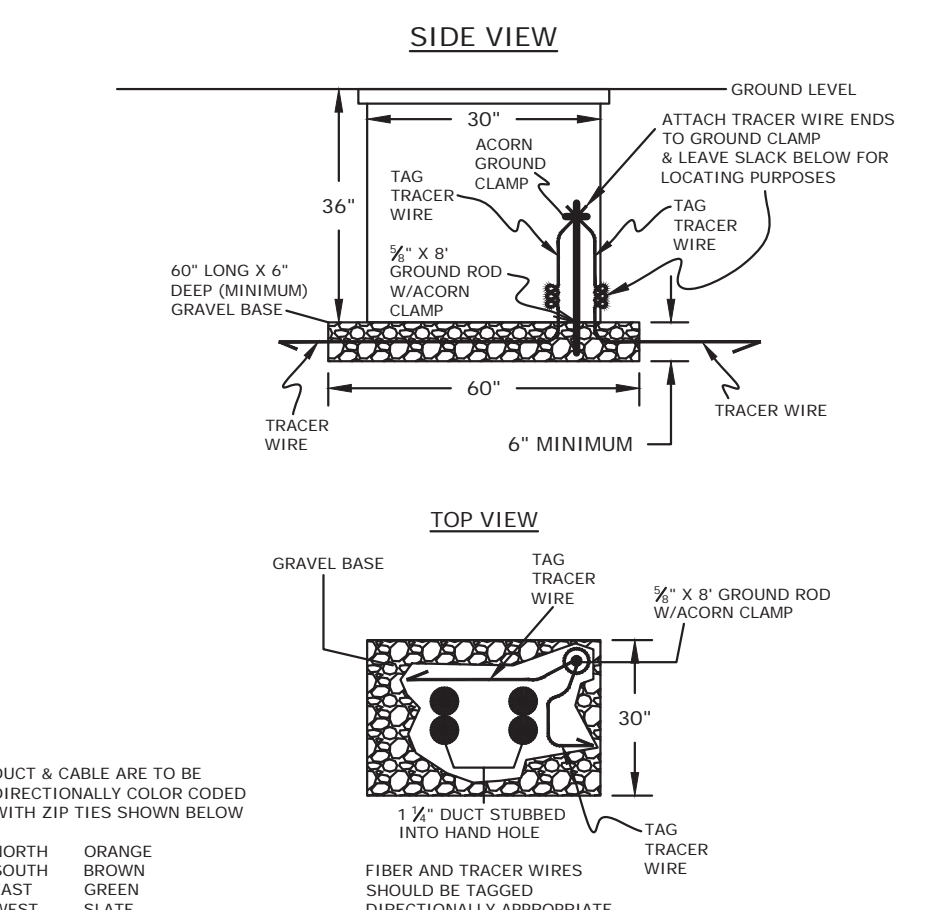
TYPICAL RISER GUARD INSTALLATION



TYPICAL HAND HOLE INSTALLATION (WITH RHINO TEST STATION)
QUAZITE HAND HOLE AND COVER 30" X 48" X 36"

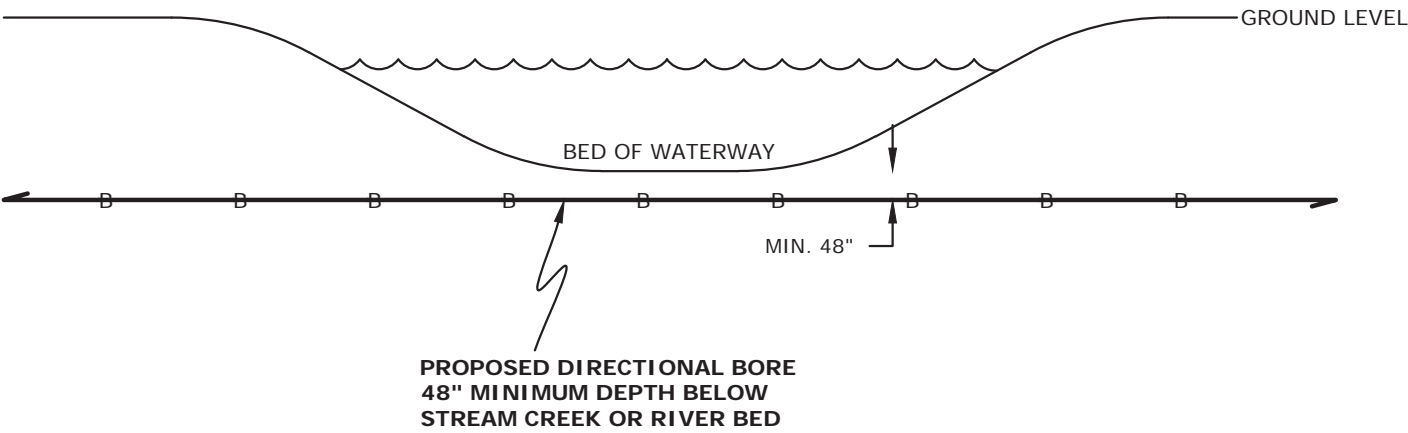


TYPICAL HAND HOLE INSTALLATION (WITHOUT RHINO TEST STATION)
QUAZITE HAND HOLE AND COVER 30" X 48" X 36"



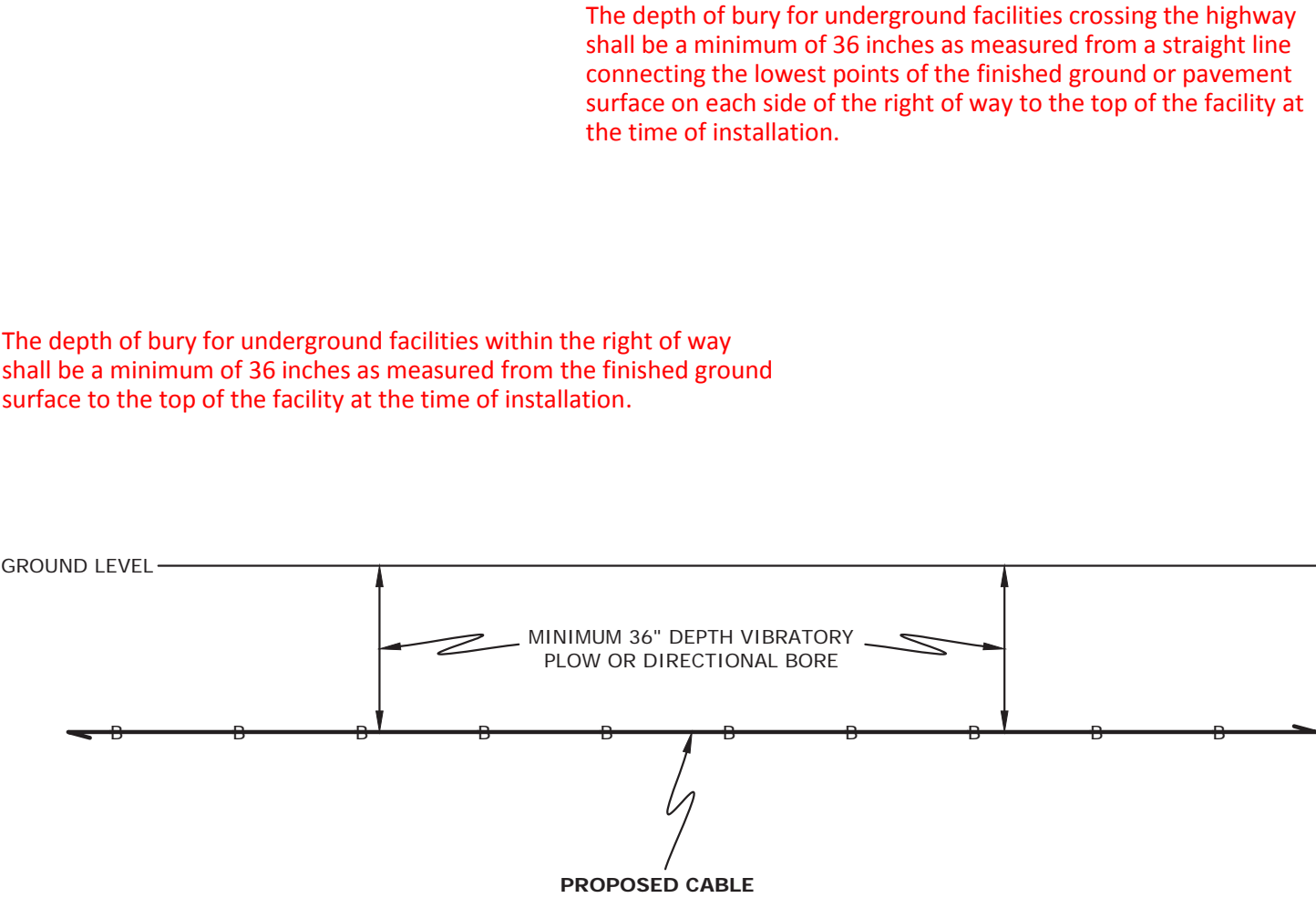
NET-LEC, LLC
SHERWOOD TO PLYMOUTH
NL18-47
FIBER BUILD
TYPICAL CONSTRUCTION DRAWINGS

TYPICAL RIVER/STREAM/CREEK CROSSING

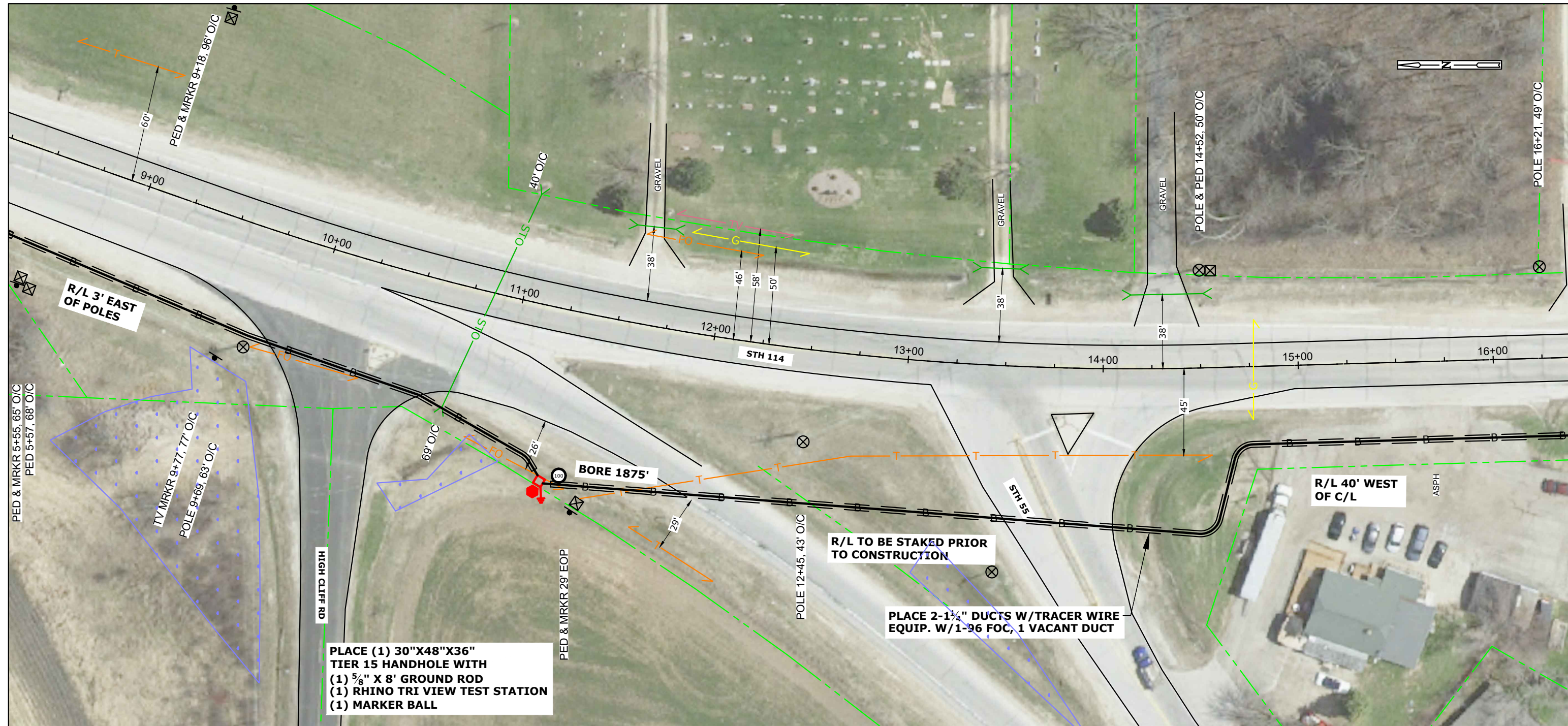


***NOTE: BORE PITS TO BE SET UP
OUTSIDE OF WETLAND BOUNDARIES
UNLESS OTHERWISE NOTED ON PRINTS**

TYPICAL WETLAND CROSSING

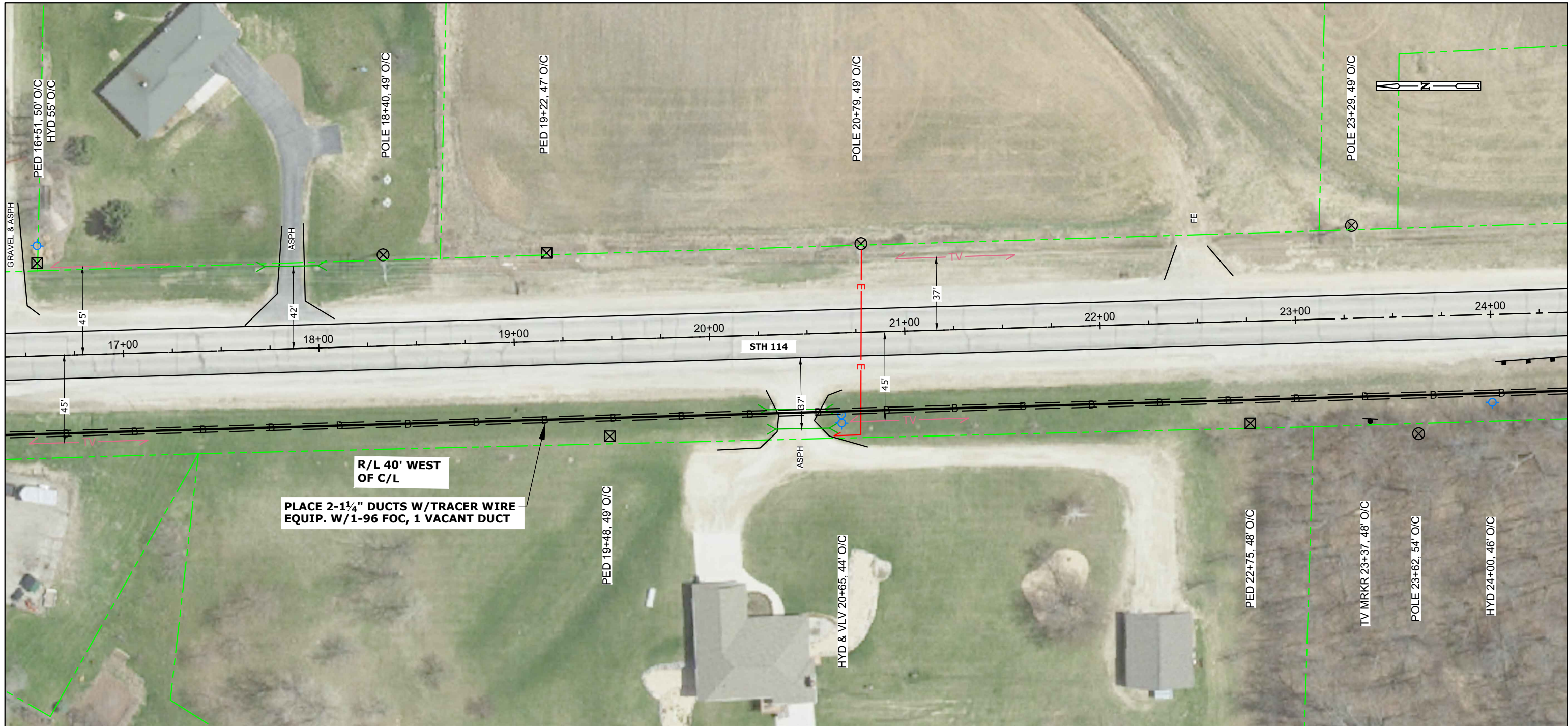


***NOTE: BORE PITS TO BE SET UP
OUTSIDE OF WETLAND BOUNDARIES
UNLESS OTHERWISE NOTED ON PRINTS**



STATIONING INFO		HANDHOLE - MARKER-GND		BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY CALL FOR LOCATES</div>	NSIGHT TELS SERVICES						
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21			EPA	SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN					
HH	11+25	1	1	1	1175		1175				1																						SHEET 2 OF 239				
																																	MAP NO.				
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																																	P.O.# NL18-47				
																																	DRAFTING		BY	DATE	
																																	BASE		AL		
																																	DESIGN		PC		
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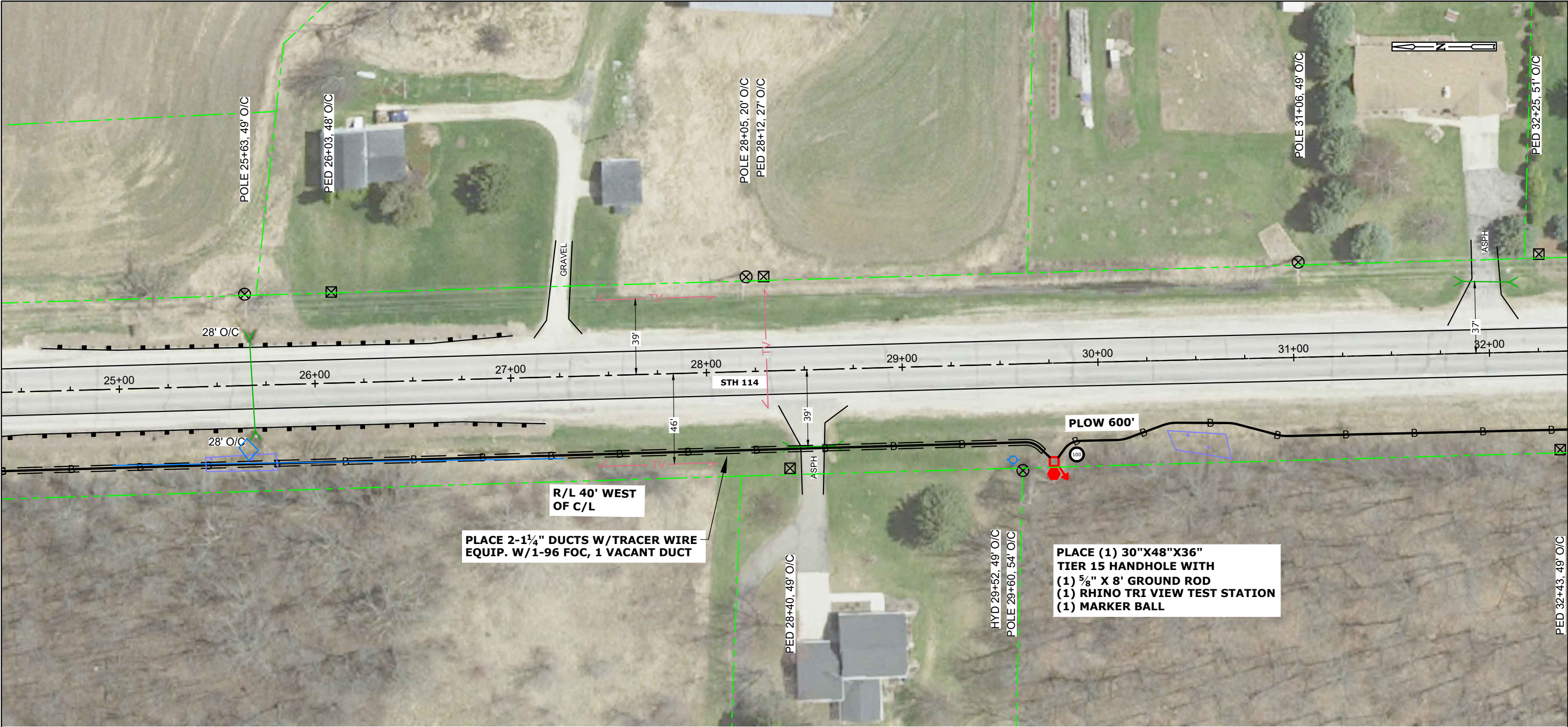
CONT'D PRT 2



CONT'D PRT 4

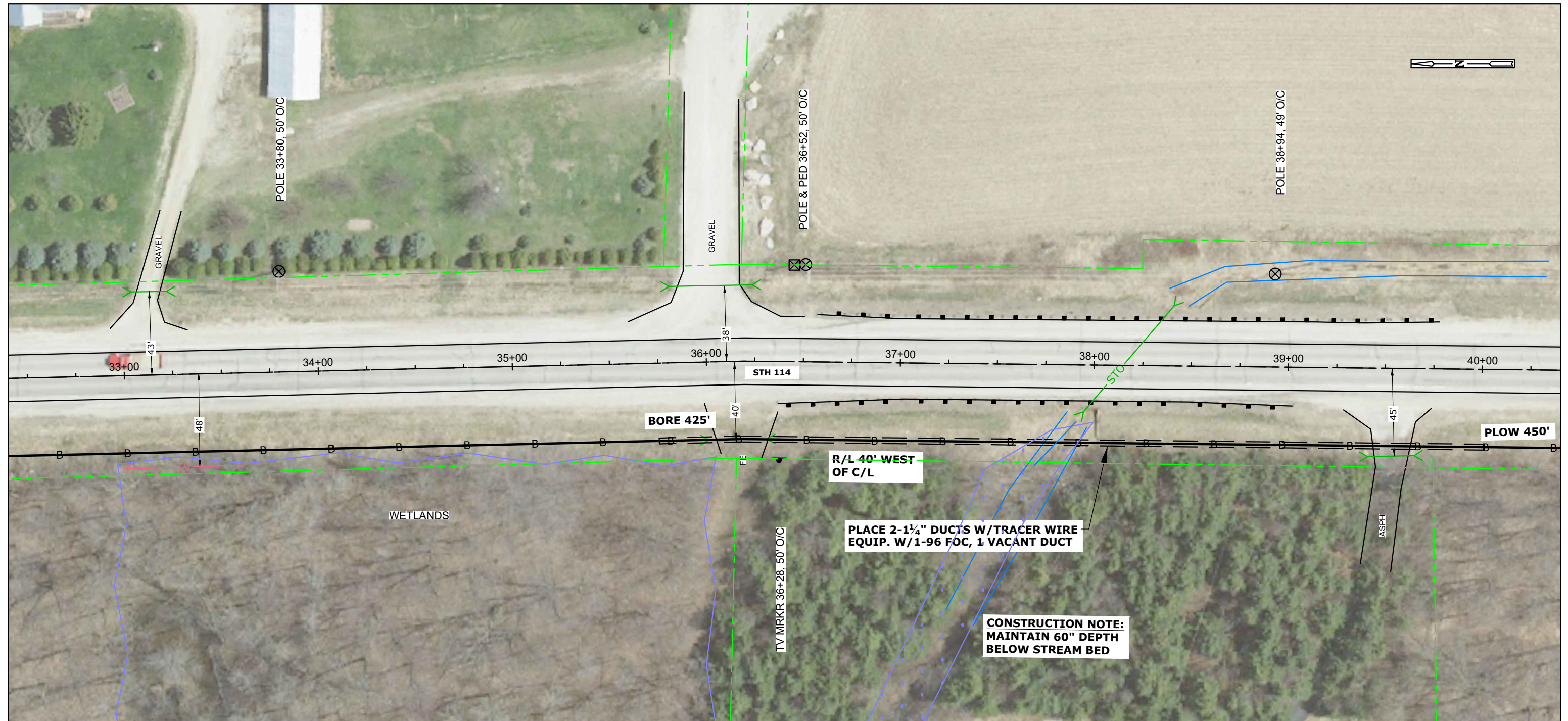
STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY CALL FOR LOCATES</div>	NSIGHT TELSERVICES		
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE	UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 ($\frac{5}{16}$ "EHS)	PE 1-3 ($\frac{5}{16}$ "EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA	SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN				
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CONT'D PRT 3

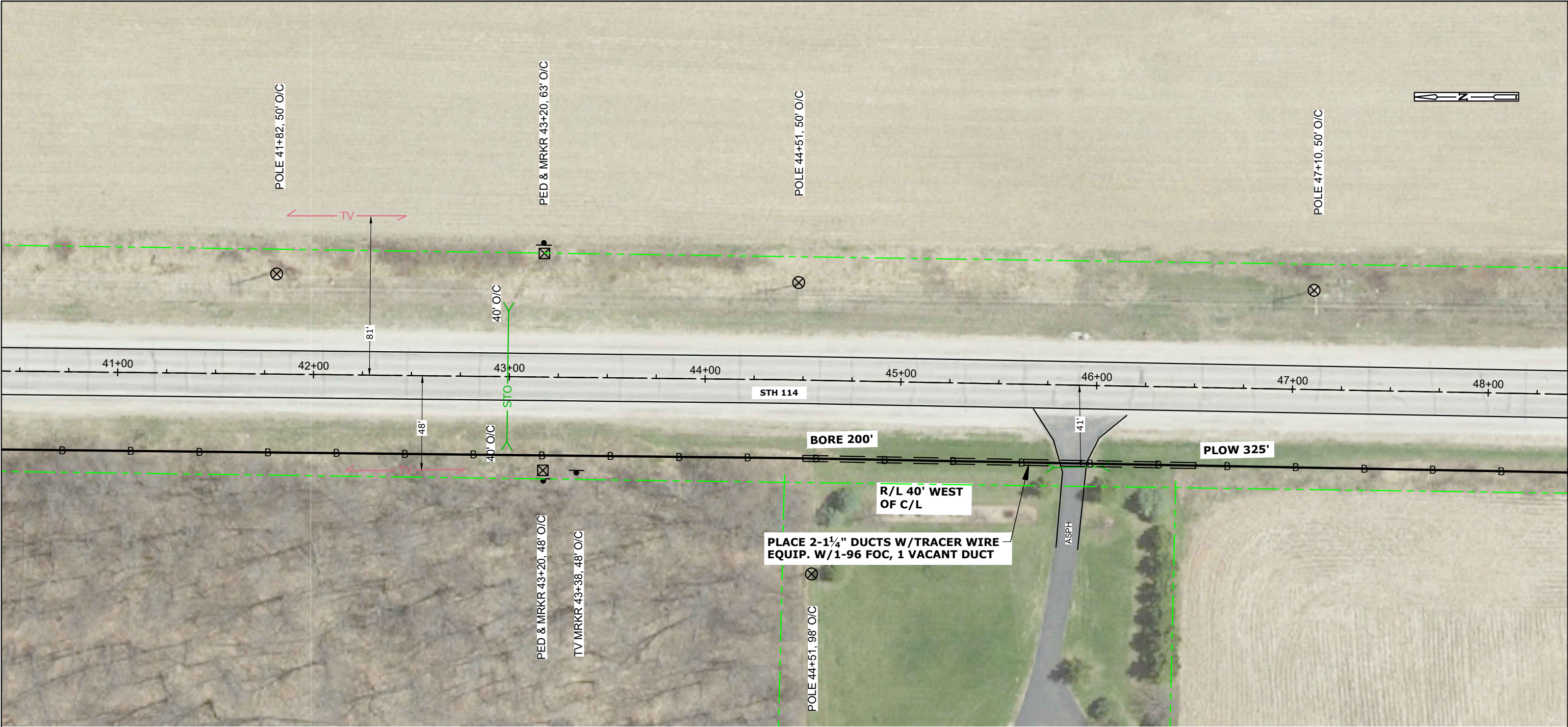


CONT'D PRT 5

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED					STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELSOURCES			
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE	UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN			
HH	29+75	1	1	1	1875		1875			1																						SHEET 4 OF 239		
																																MAP NO.		
																																FILE NAME: Calumet N18-47 NORTH.dwg		
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																																DESIGN	PC	

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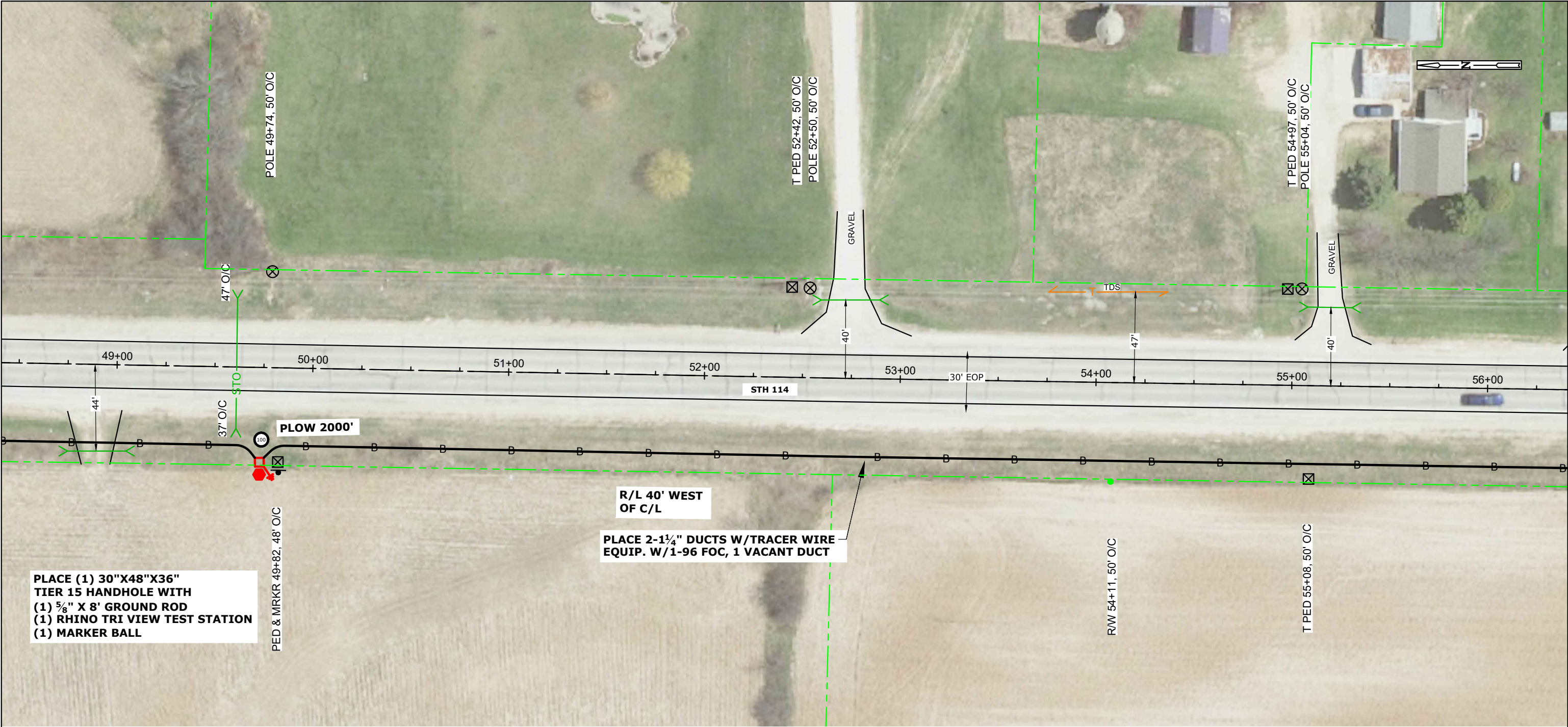
CONT'D PRT 5



CONT'D PRT 7

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELS SERVICES					
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN					
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CONT'D PRT 6



CONT'D PRT 8

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED					STORAGE		AERIAL										REMOVAL/REPLACEMENT					MISC.				<div>WARNING: BURIED UTILITIES IN AREA NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY CALL FOR LOCATES</div>	<div>NSIGHT TELSERVICES SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN SHEET <u>7</u> OF <u>239</u></div>		
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE	UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 ($\frac{5}{16}$ "EHS)	PE 1-3 ($\frac{5}{16}$ "EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA					
HH	49+75	1	1	1	2000	1375	625			1																								

CONT'D PRT 7

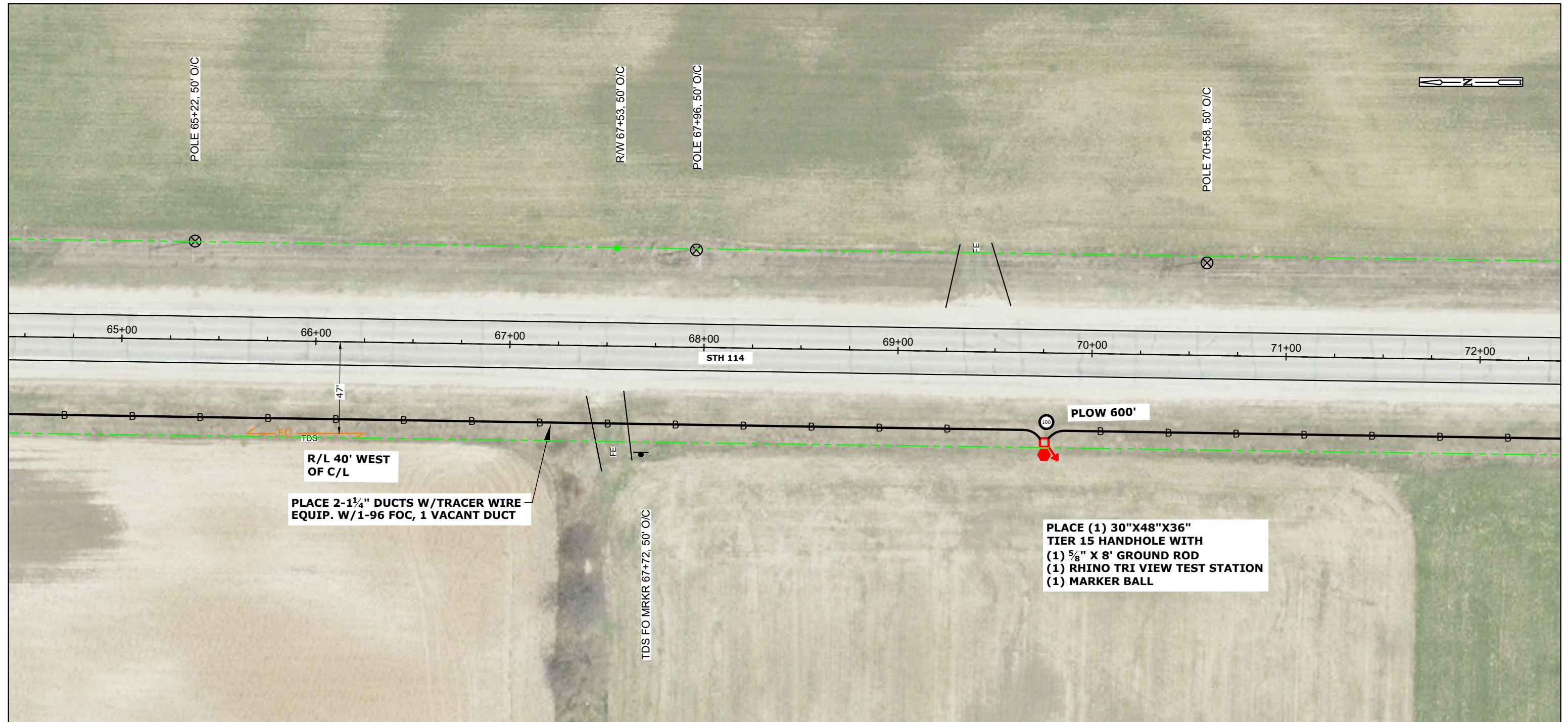


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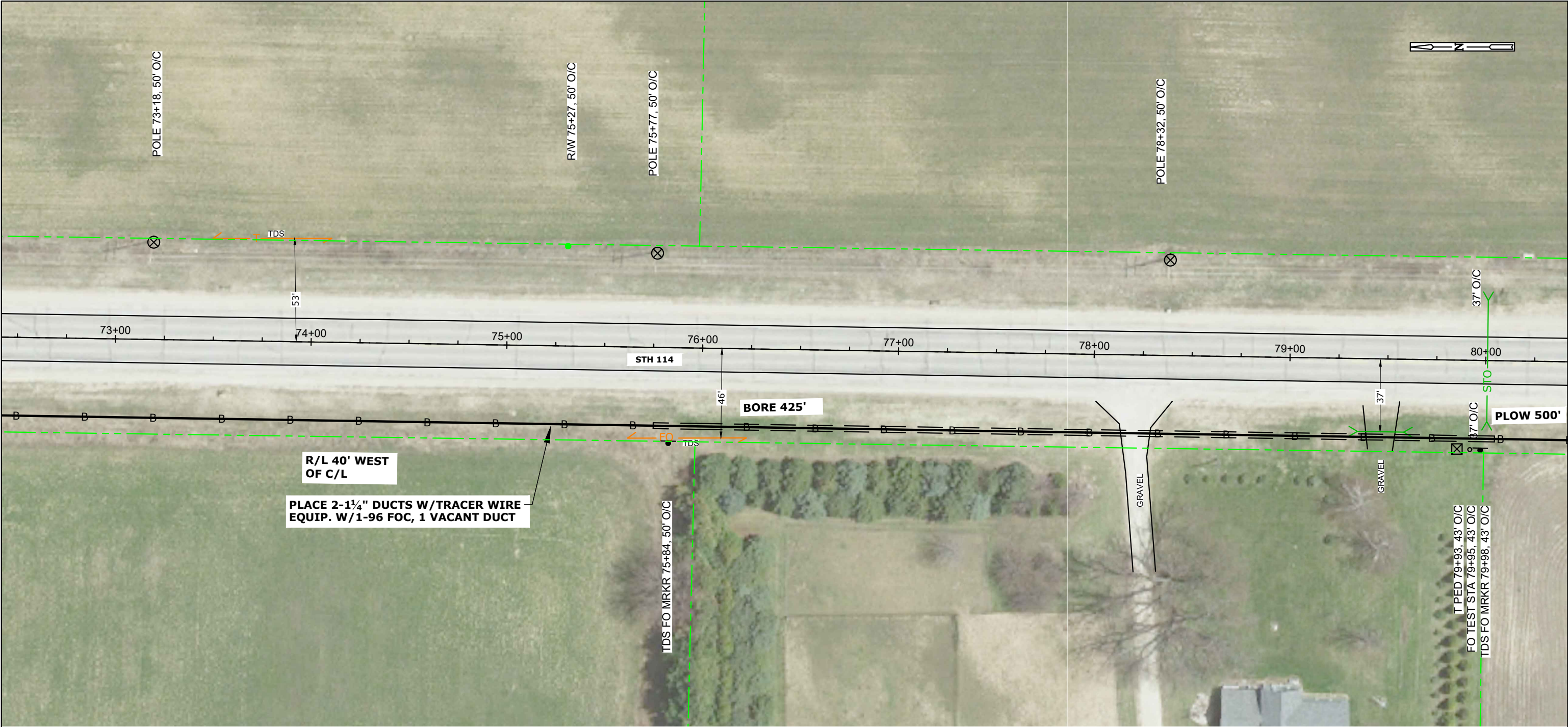
STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELS SERVICES						
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN						
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TOTAL:		####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	#	ASBUILT			NOT TO SCALE		

CONT'D PRT 8

CONT'D PRT 10

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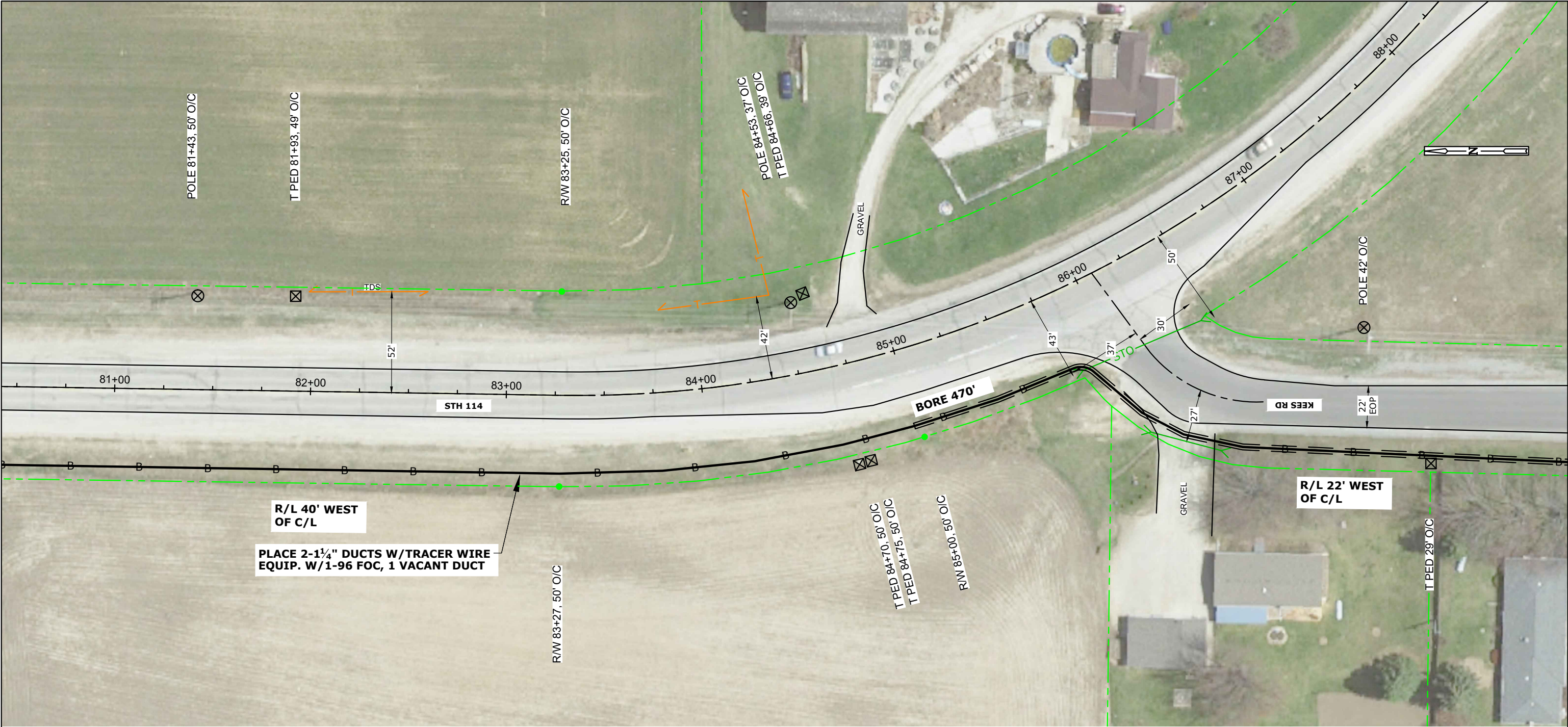
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CONT'D PRT 11

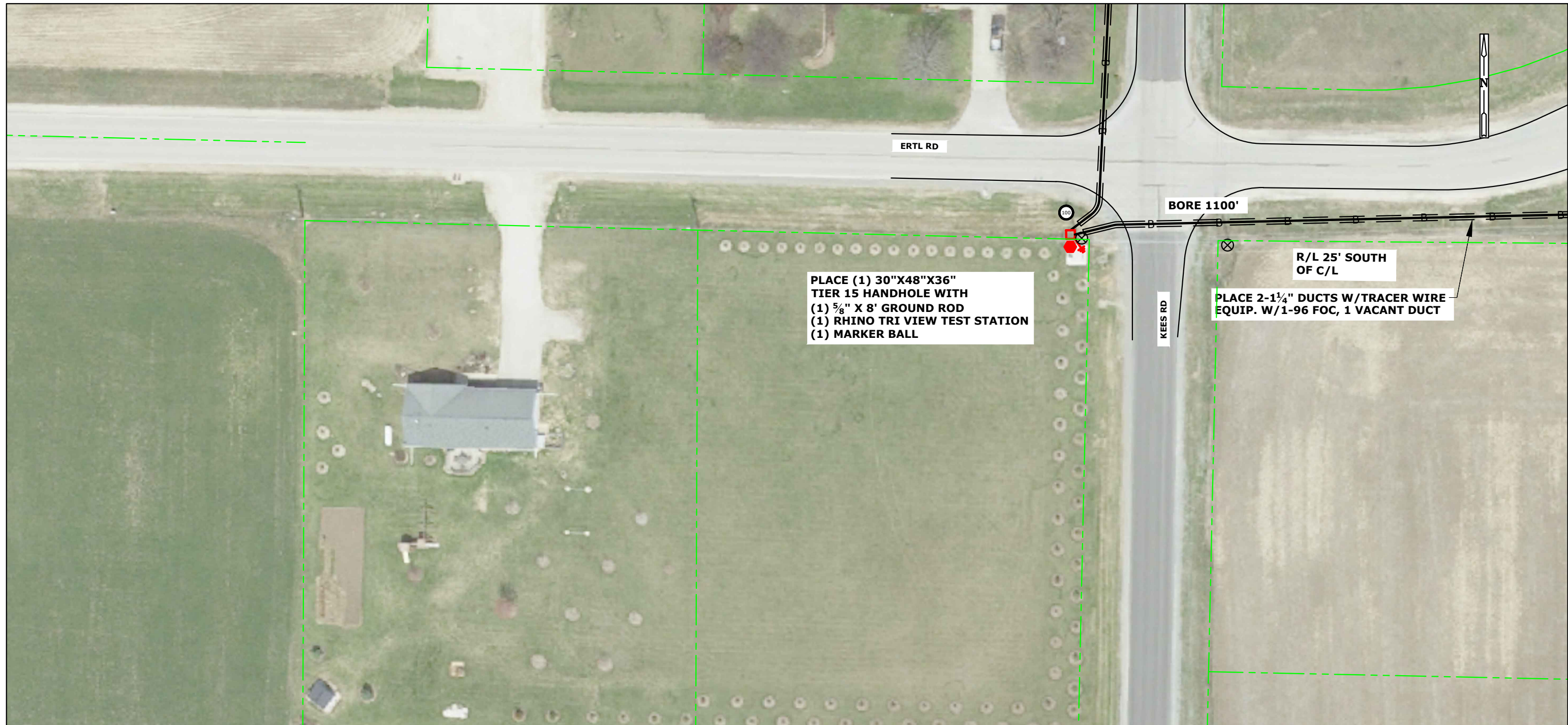
STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY CALL FOR LOCATES</div>	NSIGHT TELS SERVICES				
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN				
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CONT'D PRT 10



CONT'D PRT 11A

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELSOURCES		
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN		
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CONT'D PRT 12

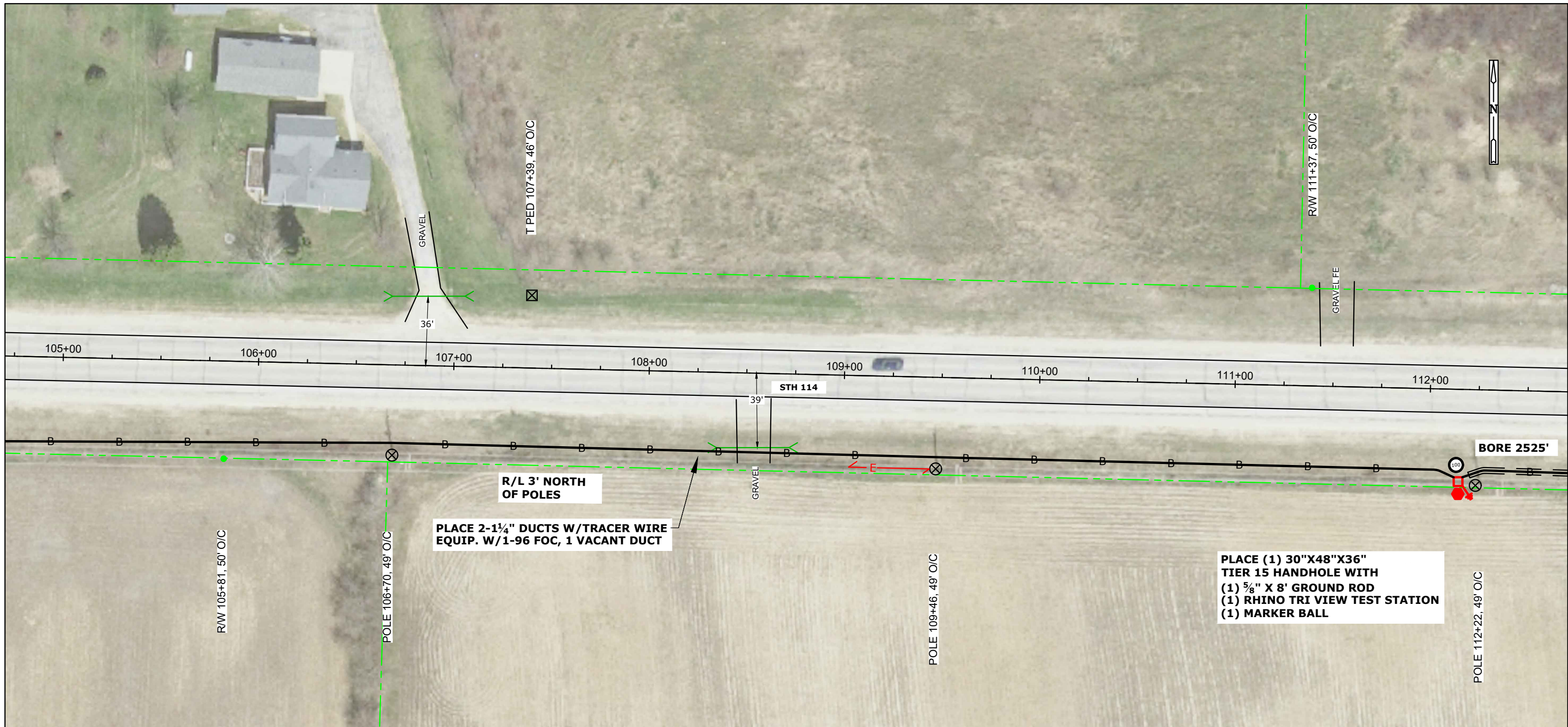


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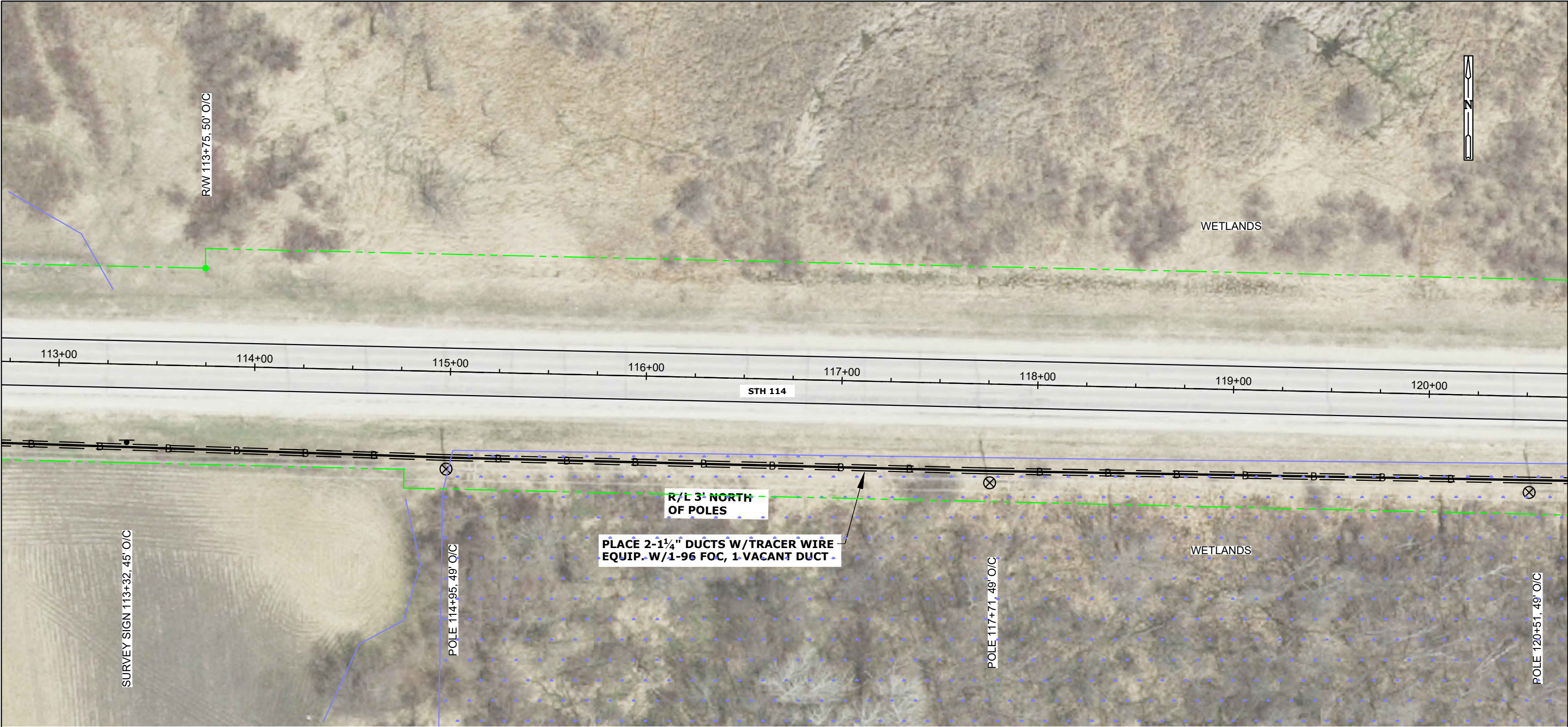
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CONT'D PRT 13

CONT'D PRT 15

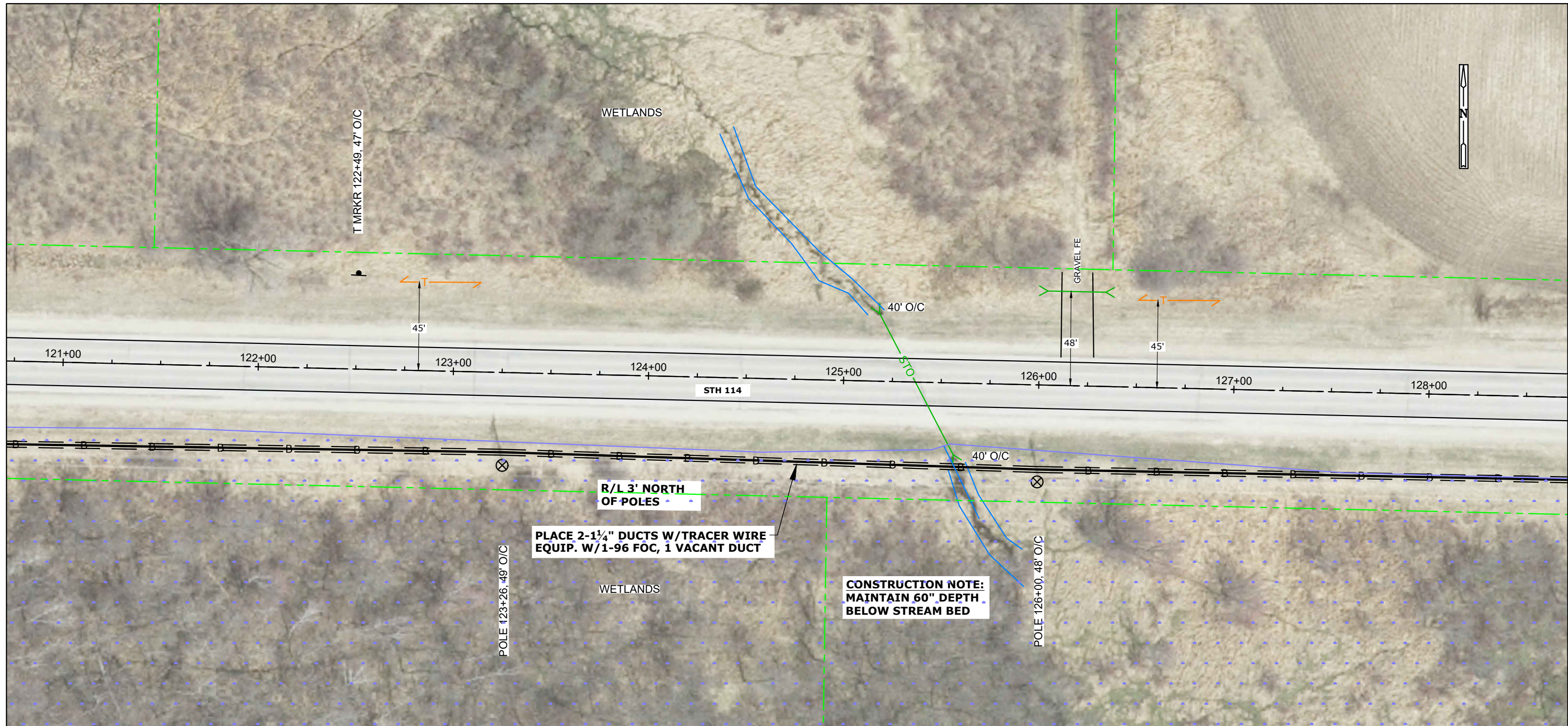
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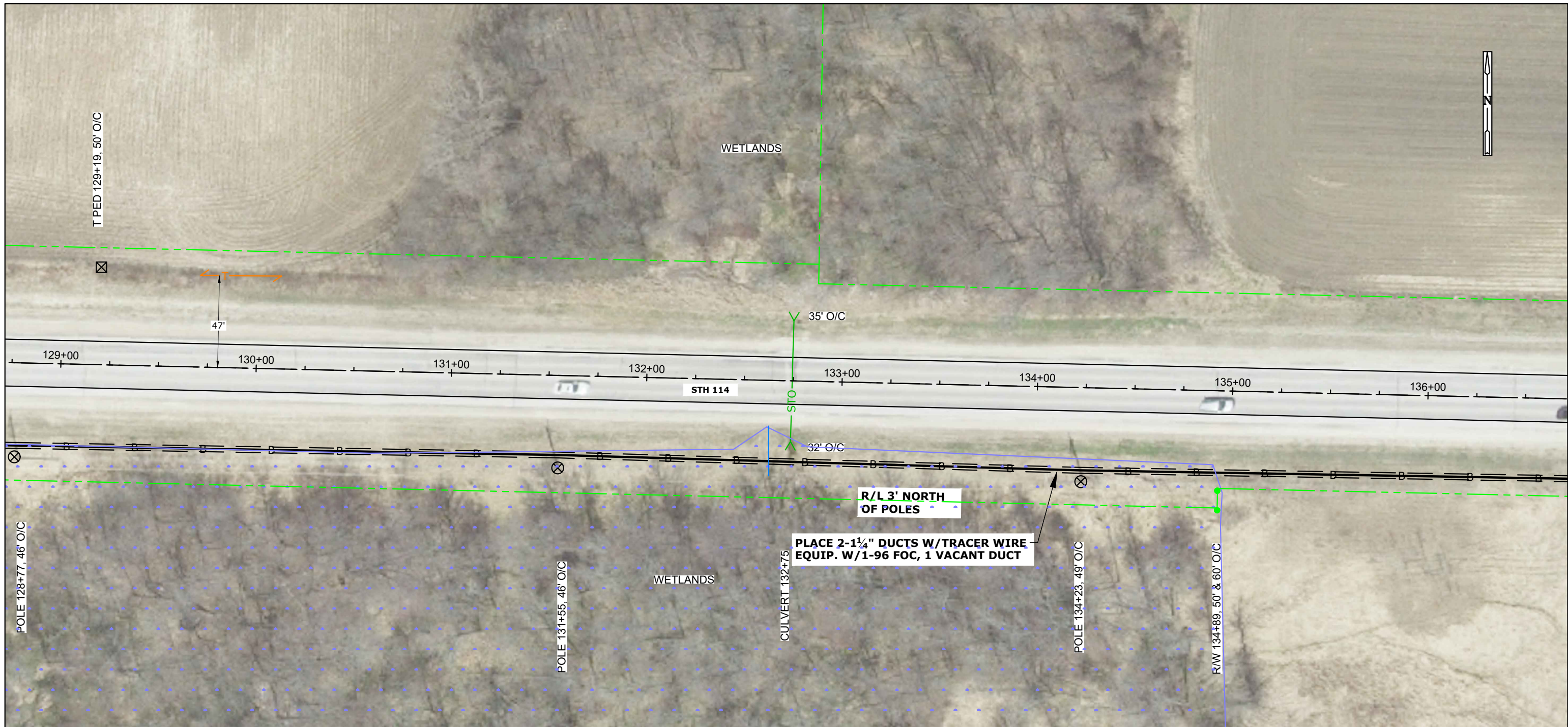
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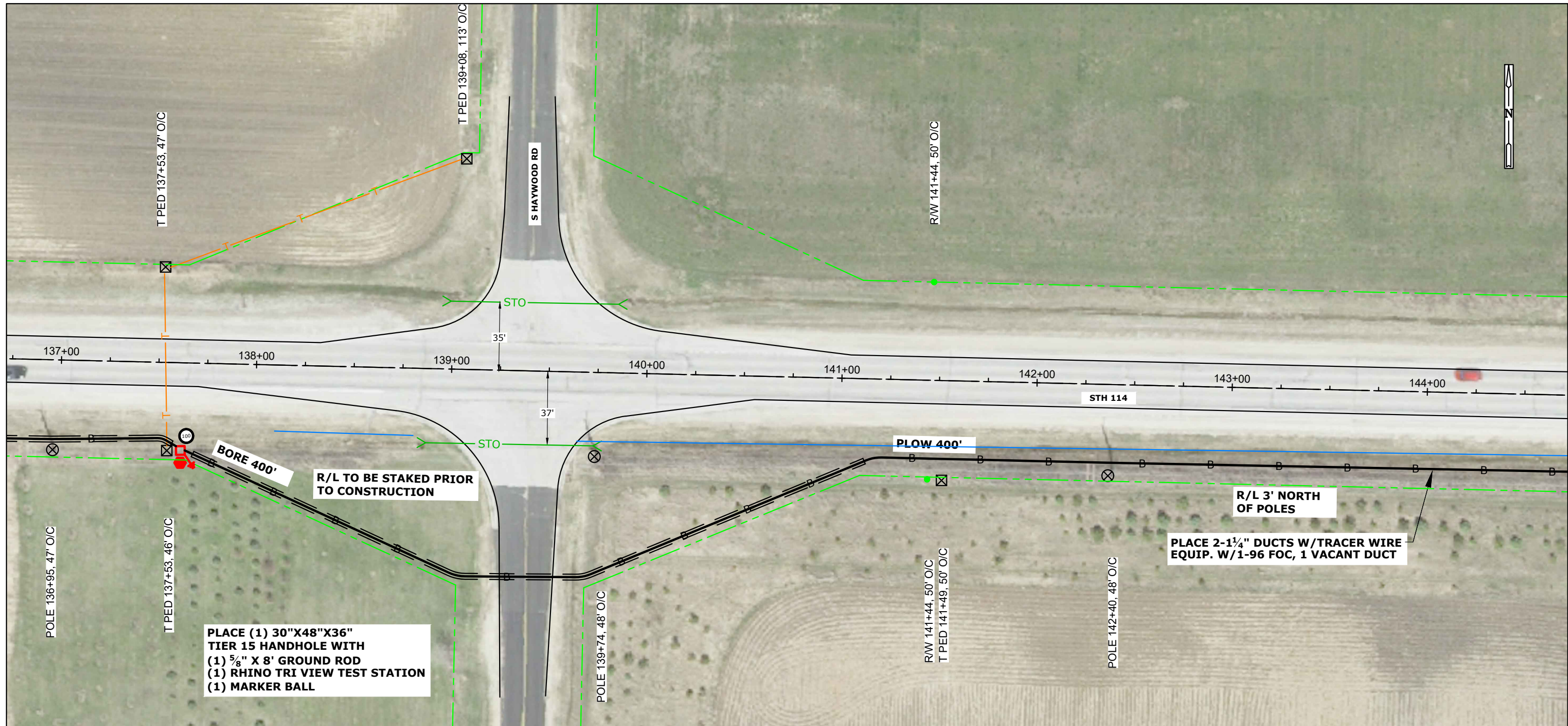


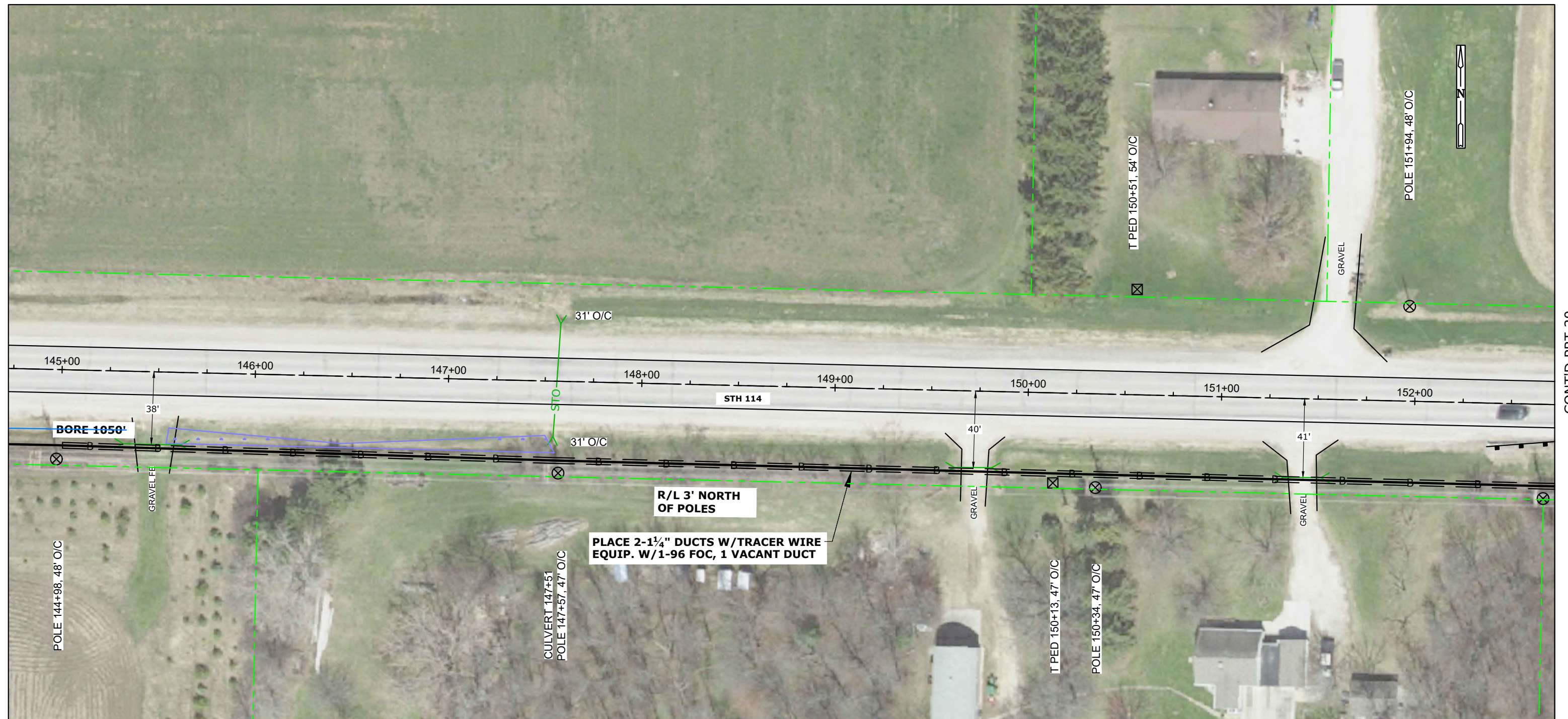
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STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELSERVICES		
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN		
																																		SHEET 15 OF 239

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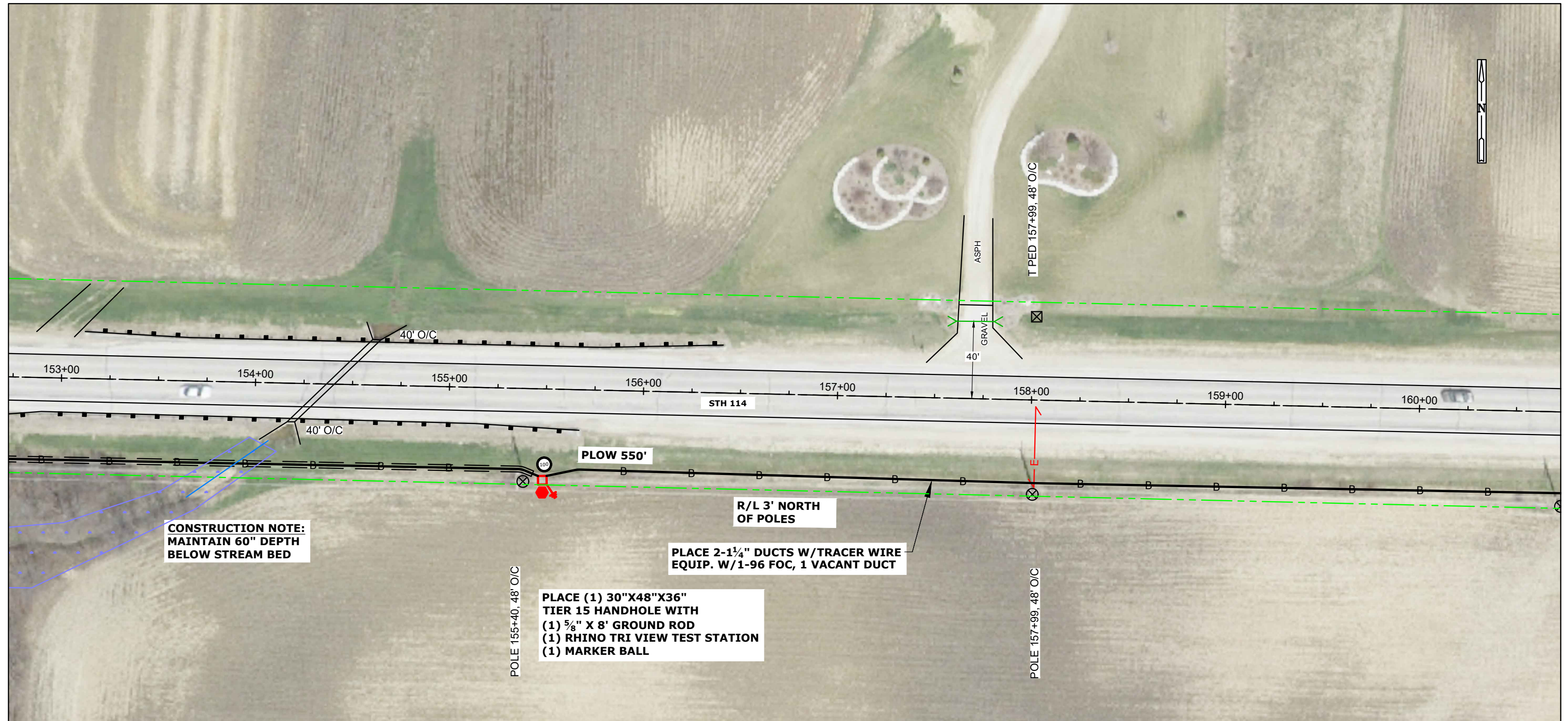
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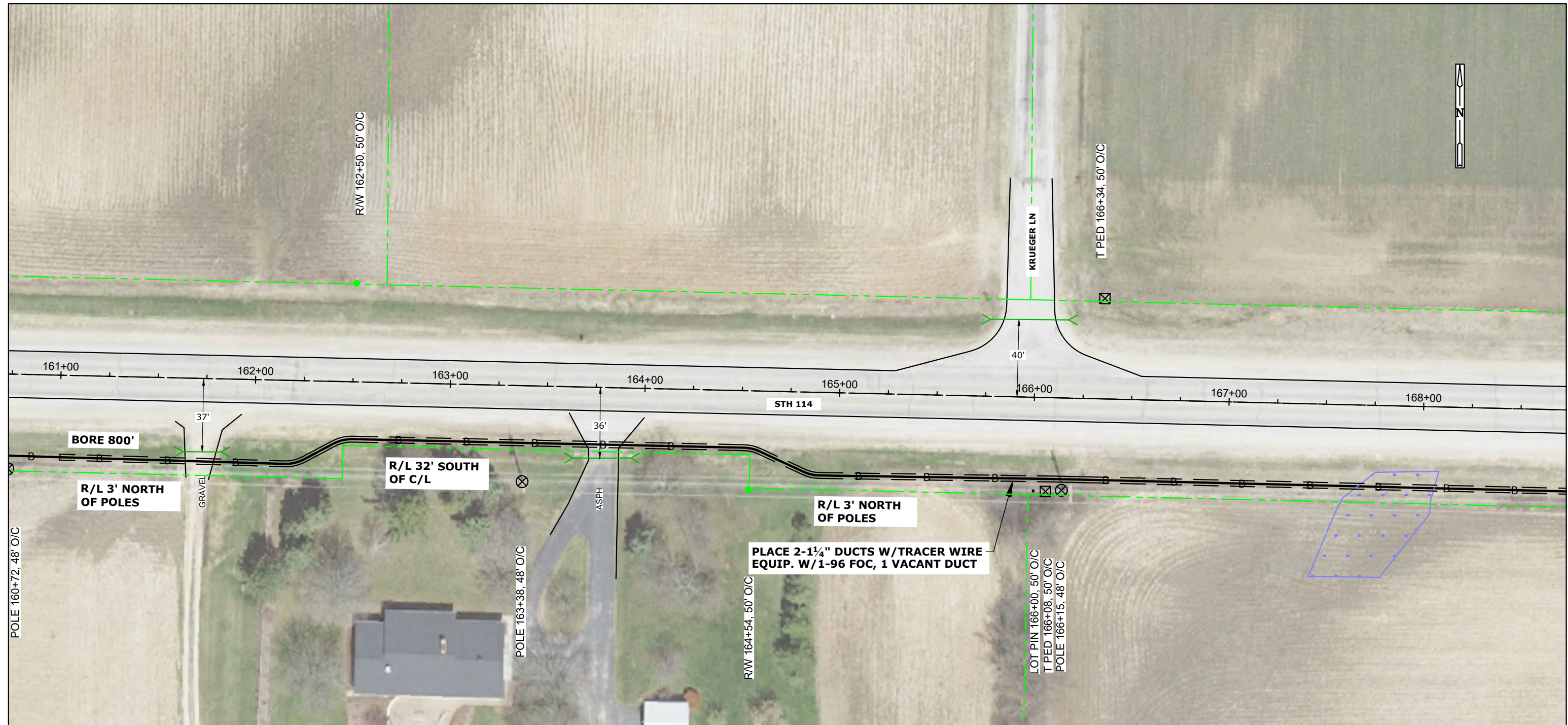
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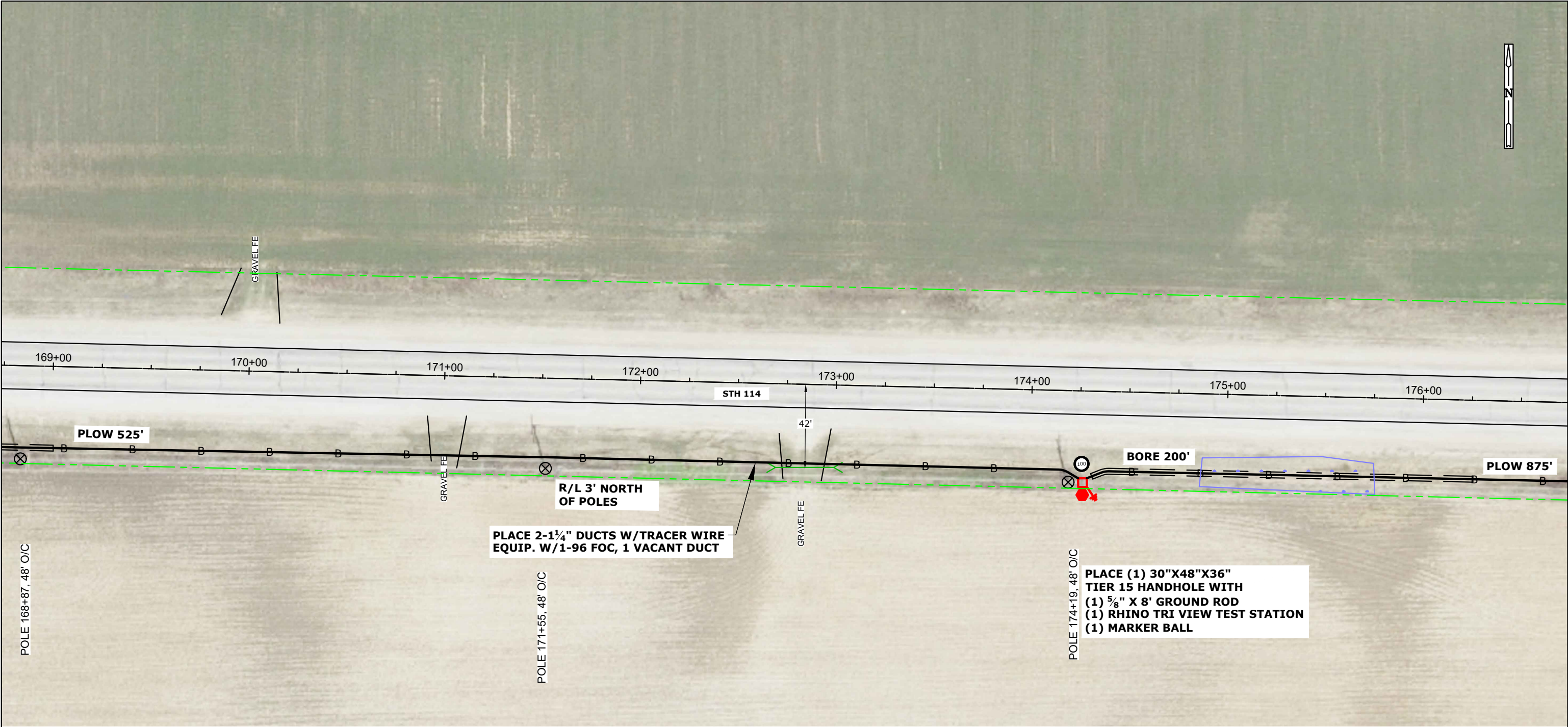
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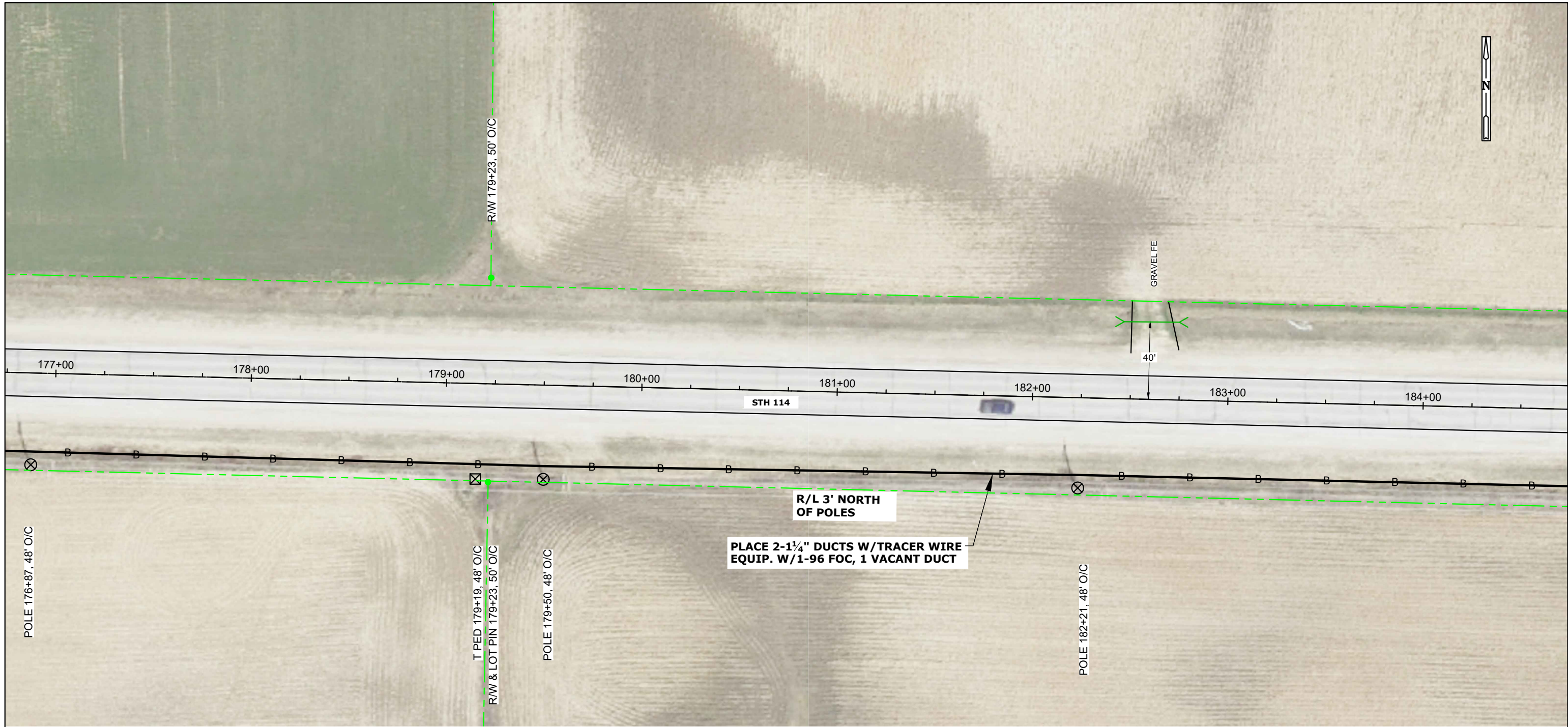
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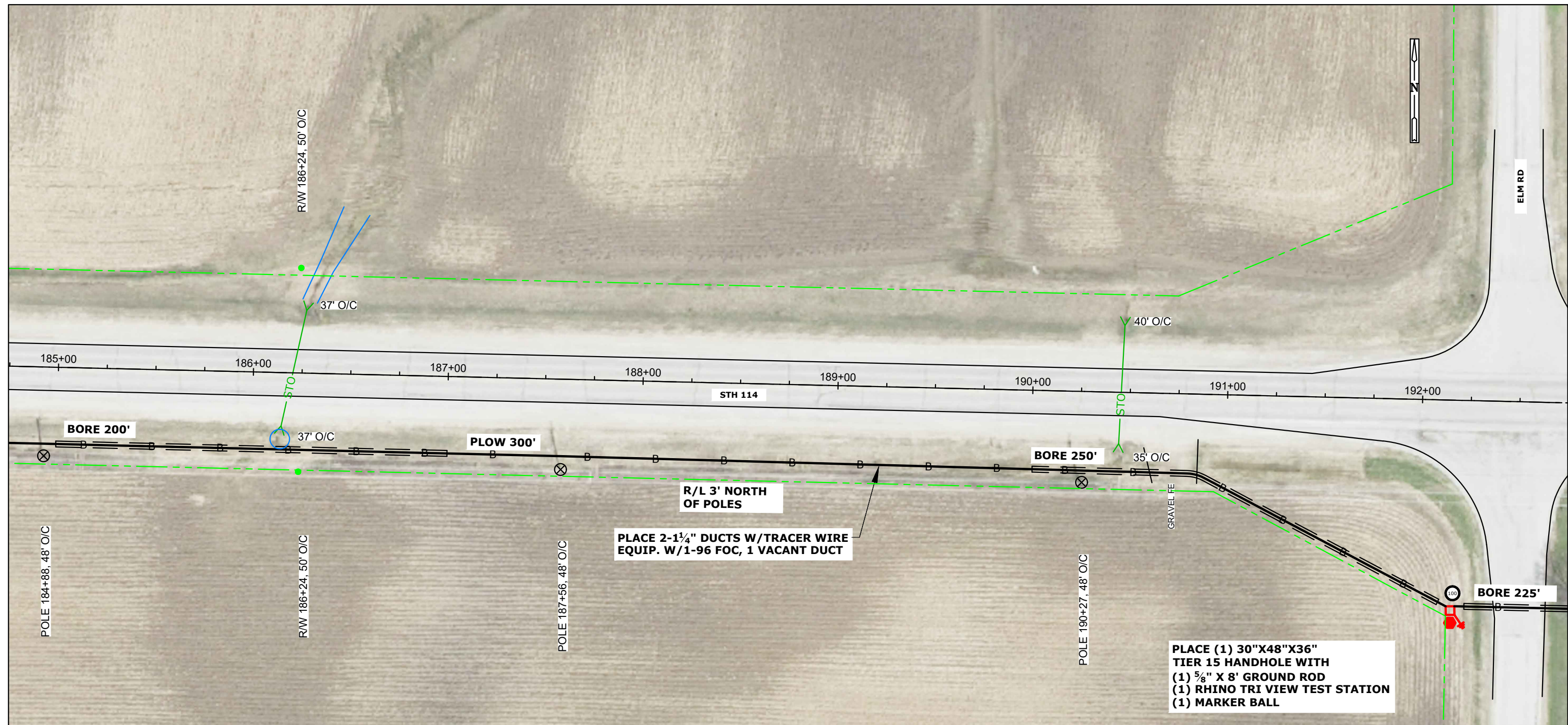
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CONT'D PRT 23



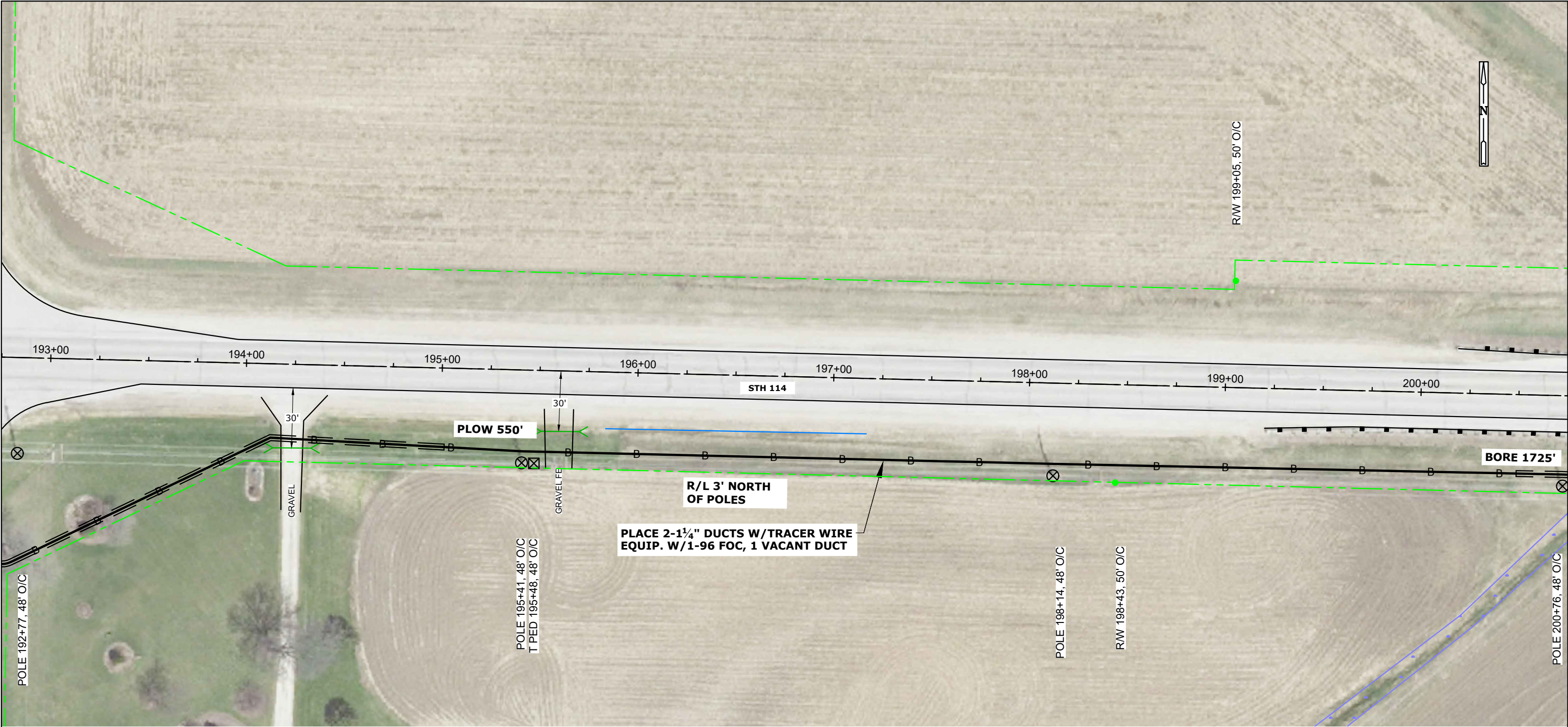
STATIONING INFO		HANDHOLE - MARKER-GND			BURIED					STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELSOURCES		
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE	UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN		
HH	174+25	1	1	1	1875	1075	800			1																						SHEET 22 OF 239	
																						</											

[illegible]



STATIONING INFO		HANDHOLE - MARKER-GND		BURIED							STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div><div>WARNING: BURIED UTILITIES IN AREA</div><div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div><div>CALL FOR LOCATES</div></div>	NSIGHT TELSOURCES				
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 ($\frac{3}{16}$ "EHS)	PE 1-3 ($\frac{3}{16}$ "EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN				
HH	192+25	1	1	1	1825	1175	650				1																						SHEET 24 OF 239			
																																	MAP NO.			
																																	FILE NAME: Calumet N18-47 NORTH.dwg			
																																	P.O.# NL18-47			
																																	DRAFTING		BY	DATE
																																	BASE		AL	
																																	DESIGN		PC	
TOTAL:		1	1	1	1825	1175	650	####	####	####	1	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	#	ASBUILT			NOT TO SCALE		

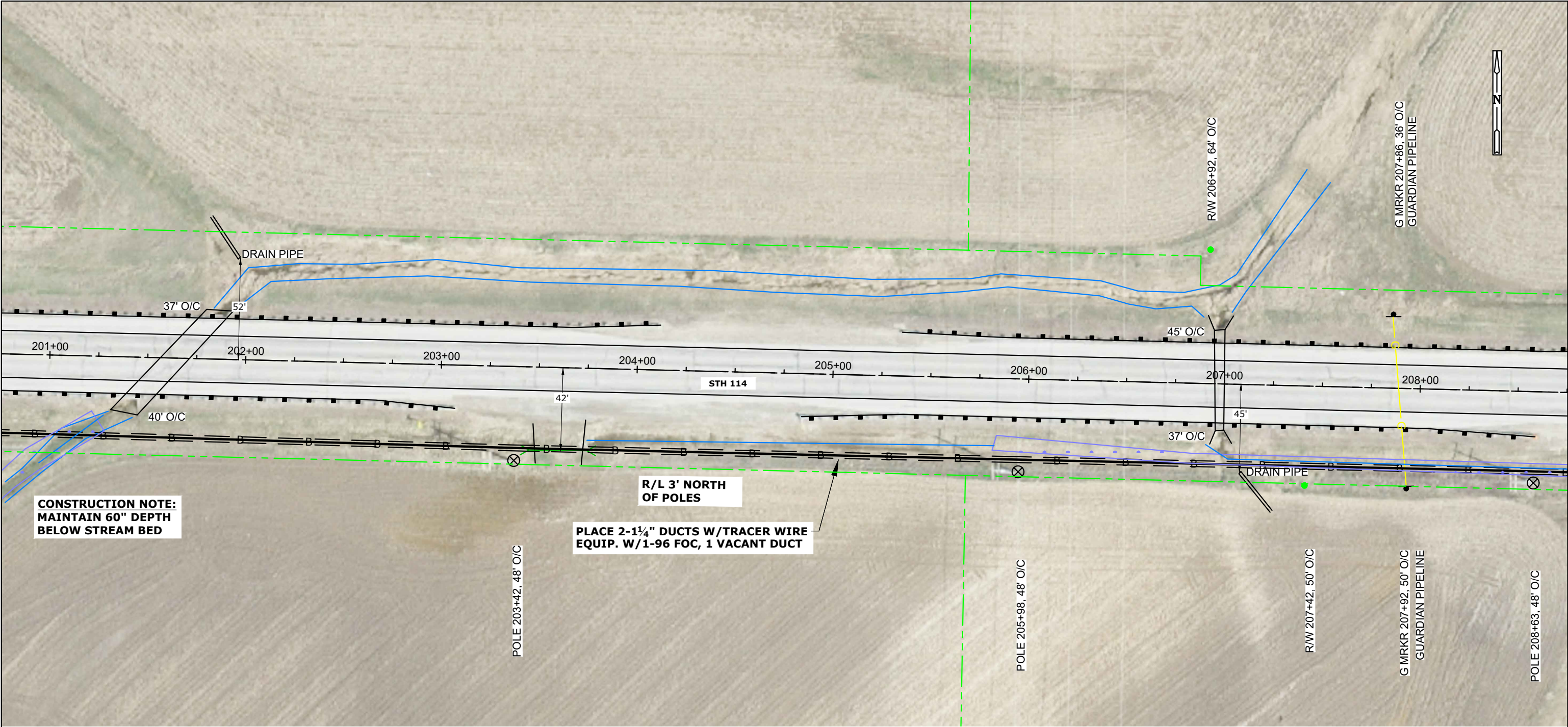
CONT'D PRT 24



CONT'D PRT 26

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELS SERVICES					
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN					
																																		SHEET 25 OF 239			
																																		MAP NO.			
																																		FILE NAME: Calumet N18-47 NORTH.dwg			
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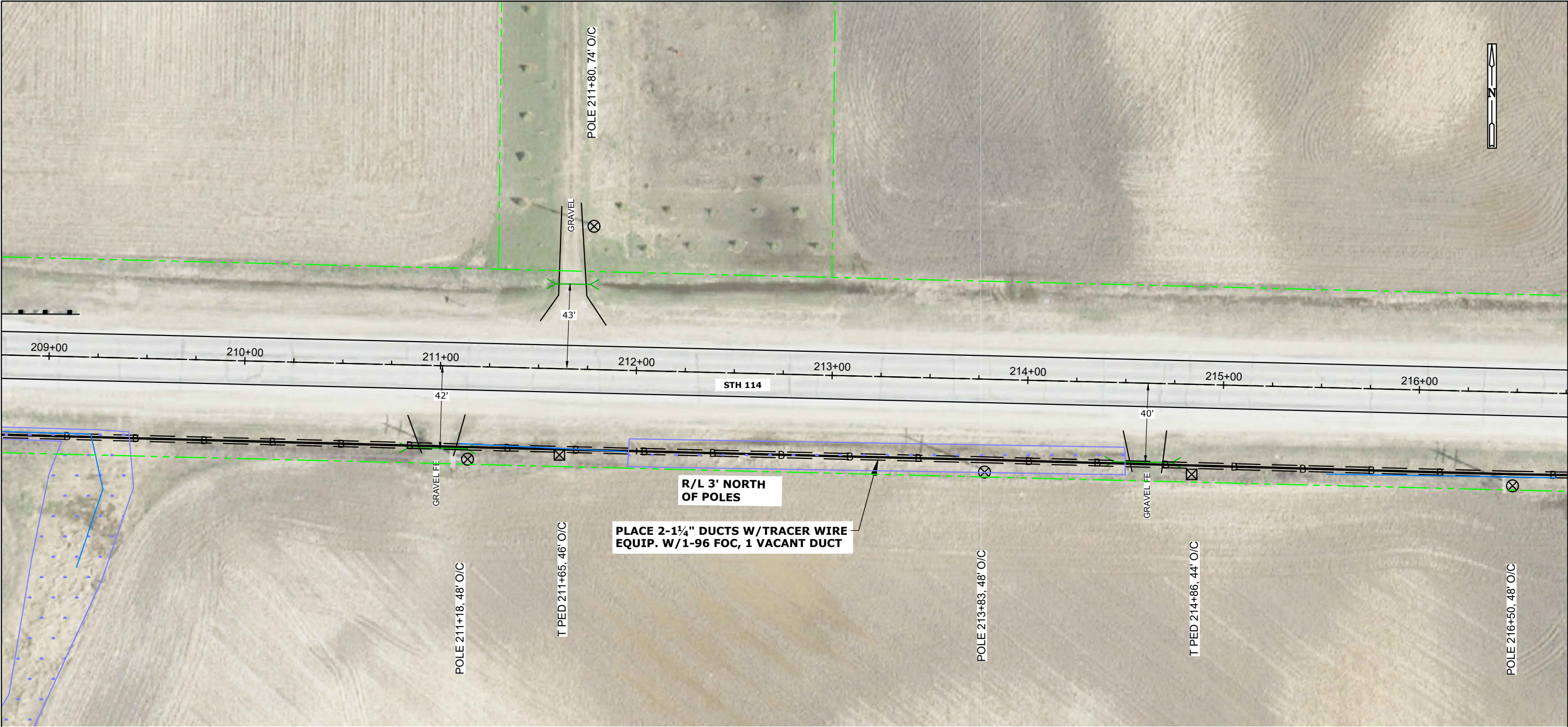
CONT'D PRT 25



CONT'D PRT 27

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELS SERVICES					
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN					
																																		SHEET 26 OF 239			
																																		MAP NO.			
																																		FILE NAME: Calumet N18-47 NORTH.dwg			
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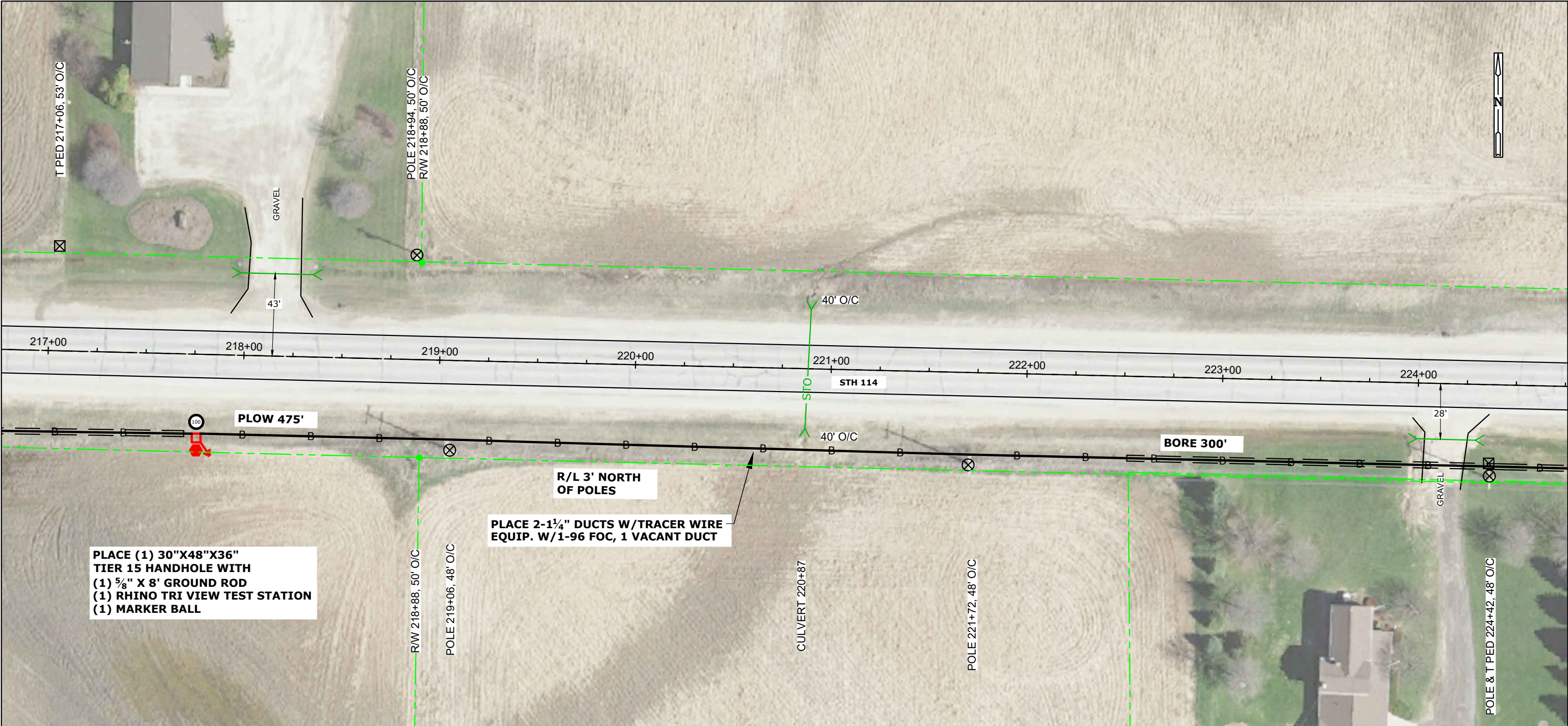
CONT'D PRT 26



CONT'D PRT 28

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED					STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div><div>WARNING: BURIED UTILITIES IN AREA</div><div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div><div>CALL FOR LOCATES</div></div>	NSIGHT TELSOURCES				
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (⁵ / ₁₆ "EHS)	PE 1-3 (⁵ / ₁₆ "EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21			EPA	SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN			
																																	SHEET 27 OF 239		

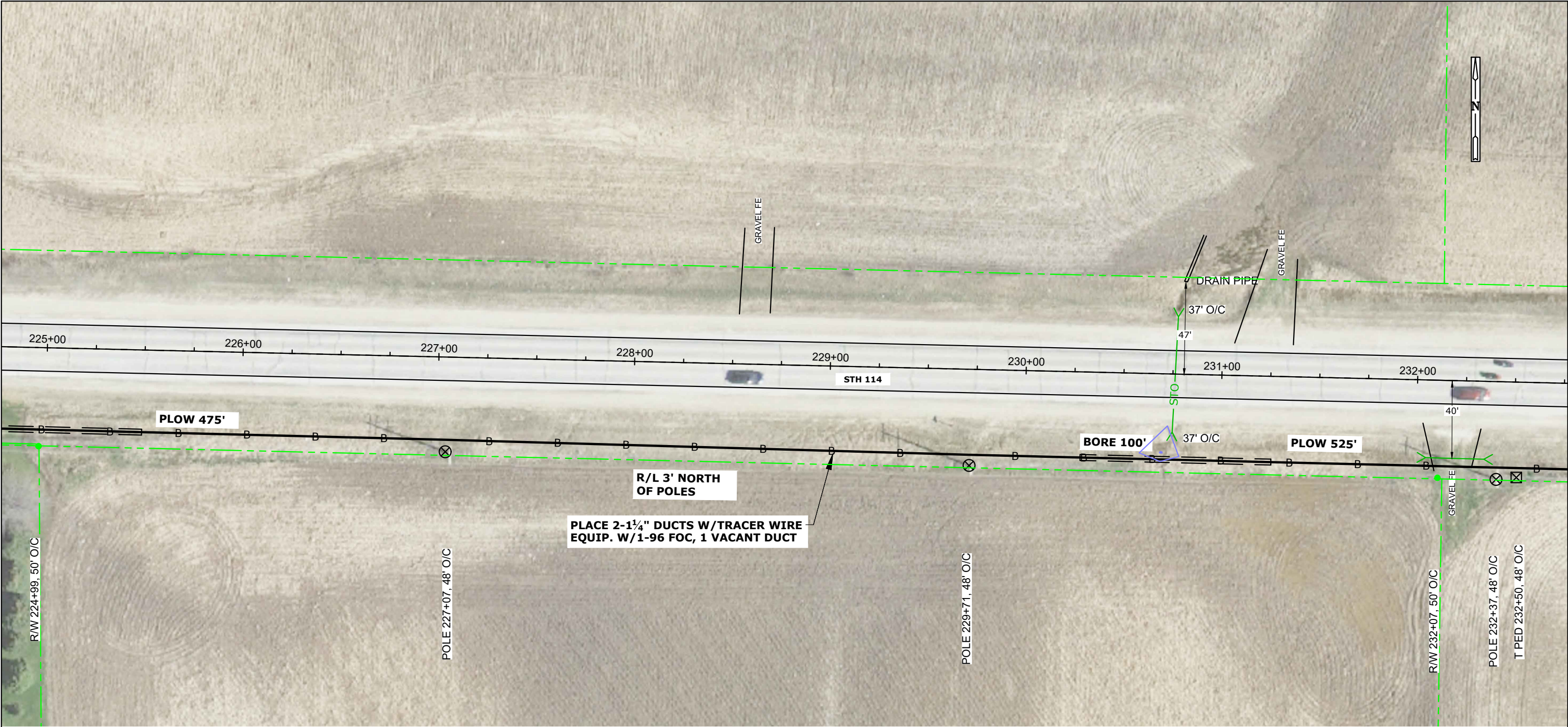
CONT'D PRT 27



CONT'D PRT 29

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED					STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	<div>NSIGHT TELSERVICES</div> <div>SHERWOOD TO PLYMOUTH FIBER BUILD</div> <div>CALUMET COUNTY, WISCONSIN</div> <div>SHEET 28 OF 239</div>			
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE	UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA					
HH	217+75	1	1	1	2500	550	1950			1																								

CONT'D PRT 28



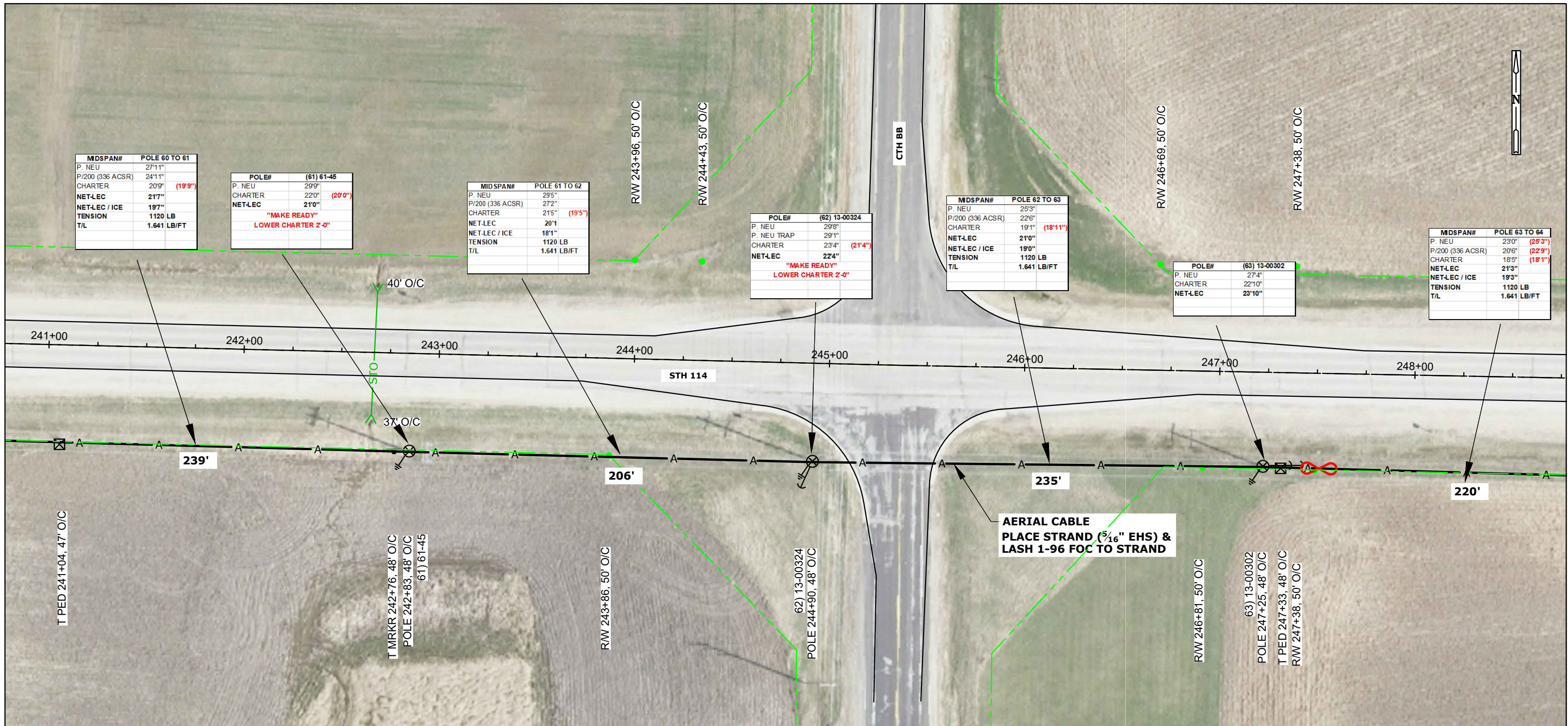
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STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT					MISC.					<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELSERVICES			
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA	SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN						
																																		SHEET 29 OF 239			
																																		MAP NO.			
																																		FILE NAME: Calumet N18-47 NORTH.dwg			
																																		P.O.# NL18-47			
																																		DRAFTING		BY	DATE
																																		BASE		AL	
																																		DESIGN		PC	

CONT'D PRT 29

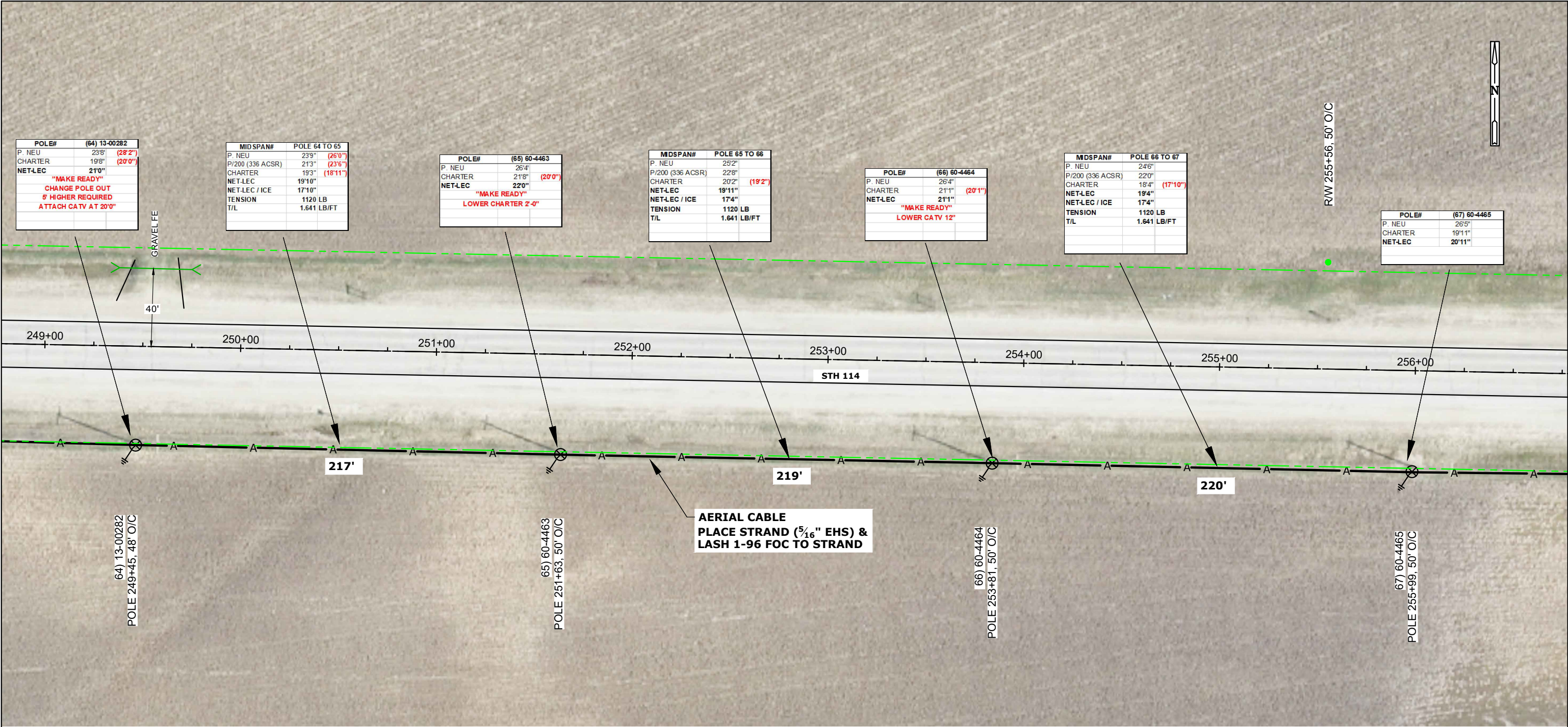
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[illegible]

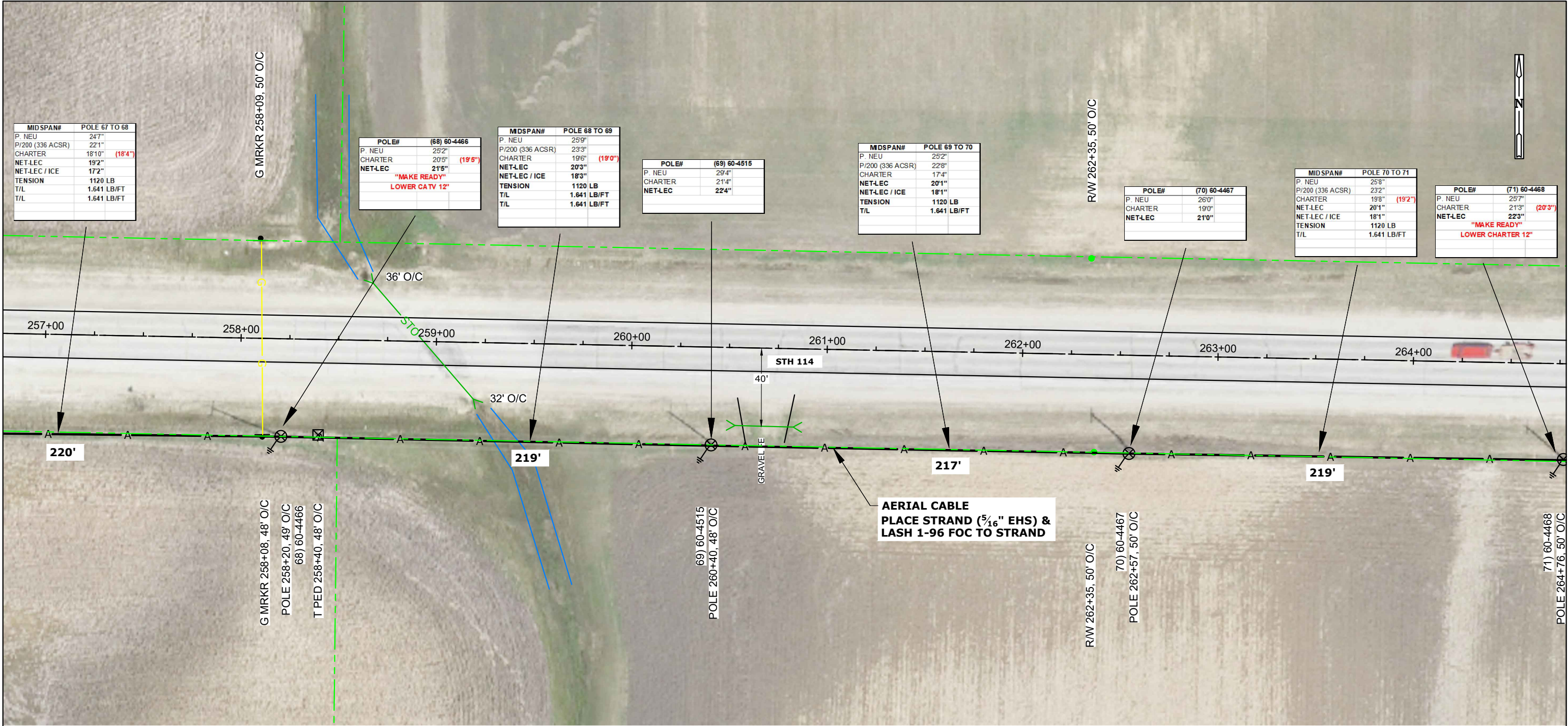
CONT'D PRT 31

CONT'D PRT 33



STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELS SERVICES									
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN									
																																		SHEET 32 OF 239							
																																		MAP NO.							
																																		FILE NAME: Calumet N18-47 NORTH.dwg							
																																		P.O.# NL18-47							
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TOTAL:		####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	#	ASBUILT				NOT TO SCALE			

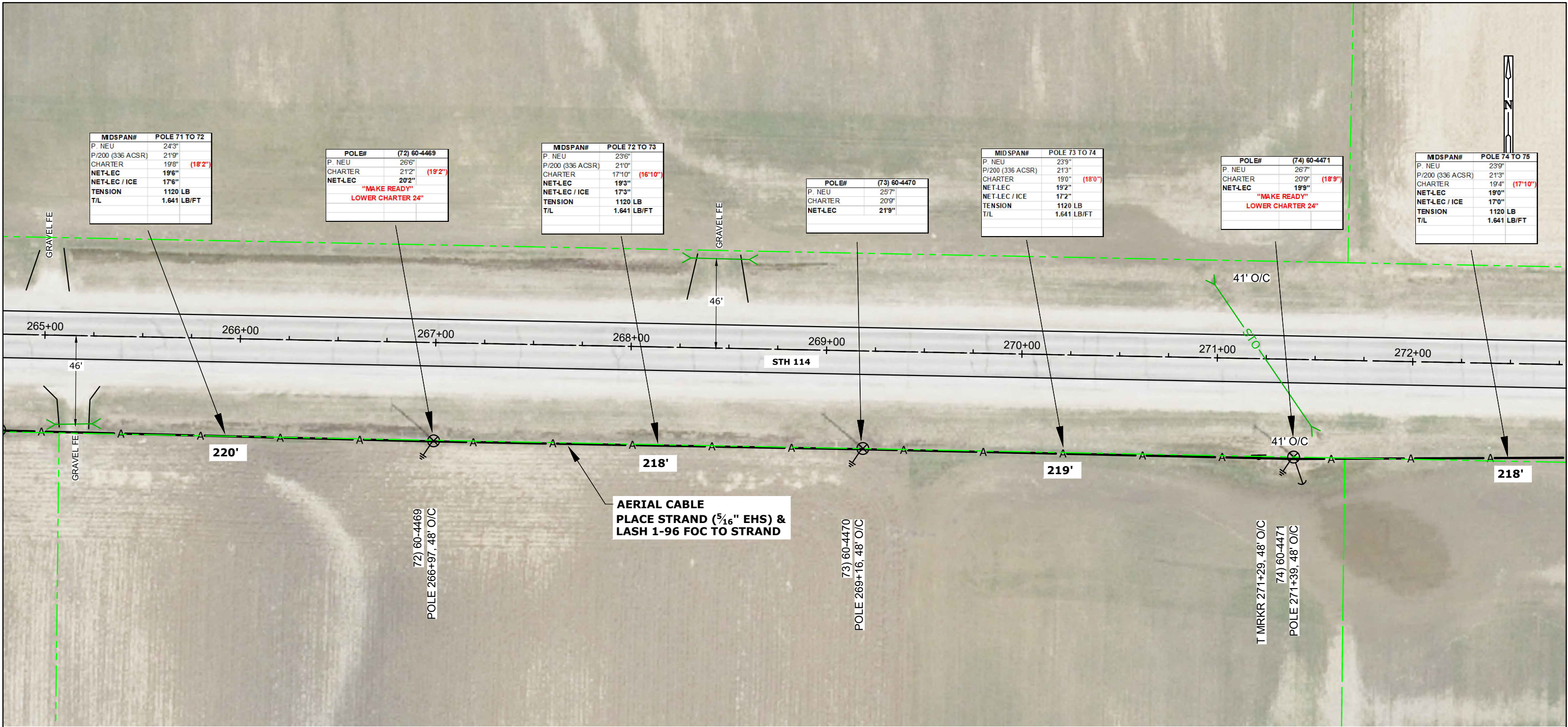
CONT'D PRT 32



CONT'D PRT 34

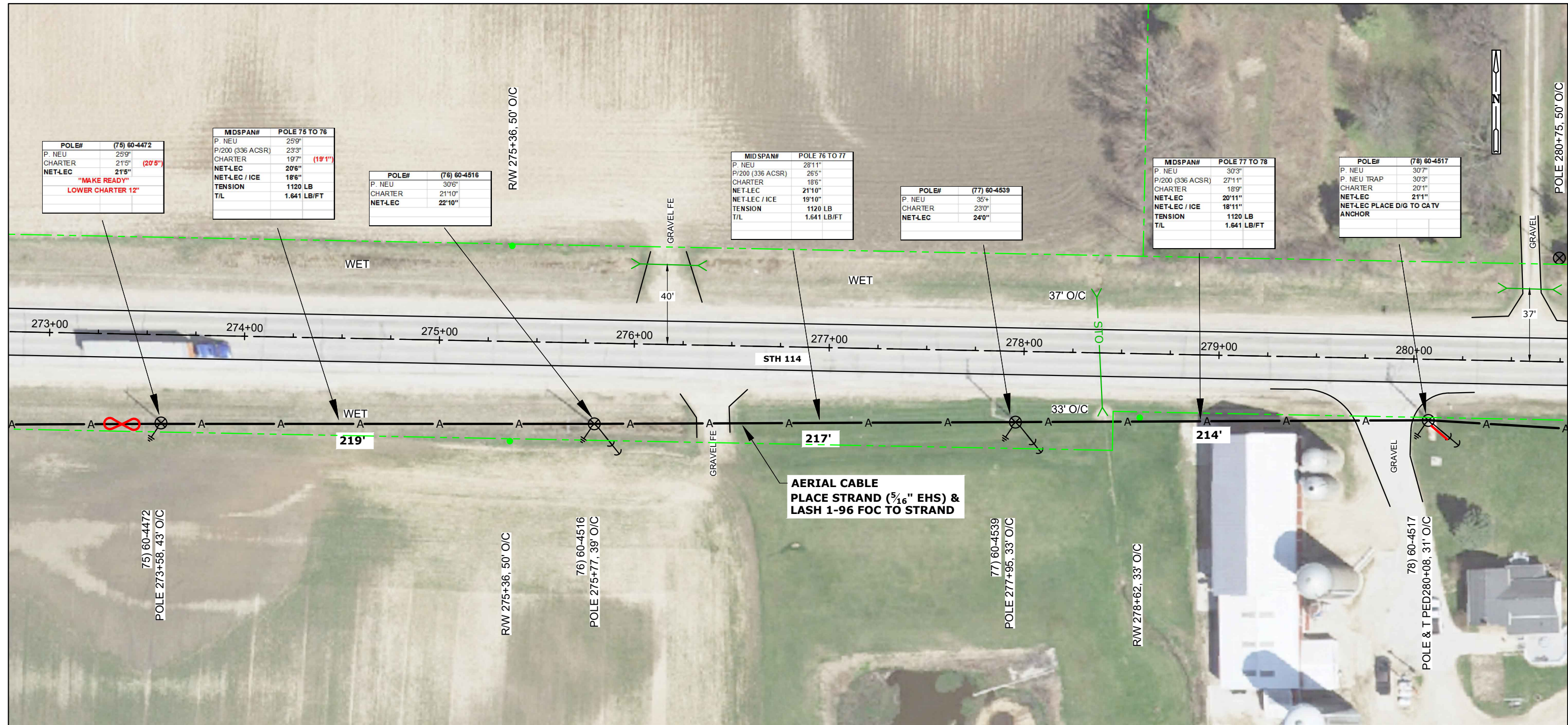
STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY CALL FOR LOCATES</div>			<div>NSIGHT TELS SERVICES SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN SHEET 33 OF 239</div>		
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE	UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA							

CONT'D PRT 33



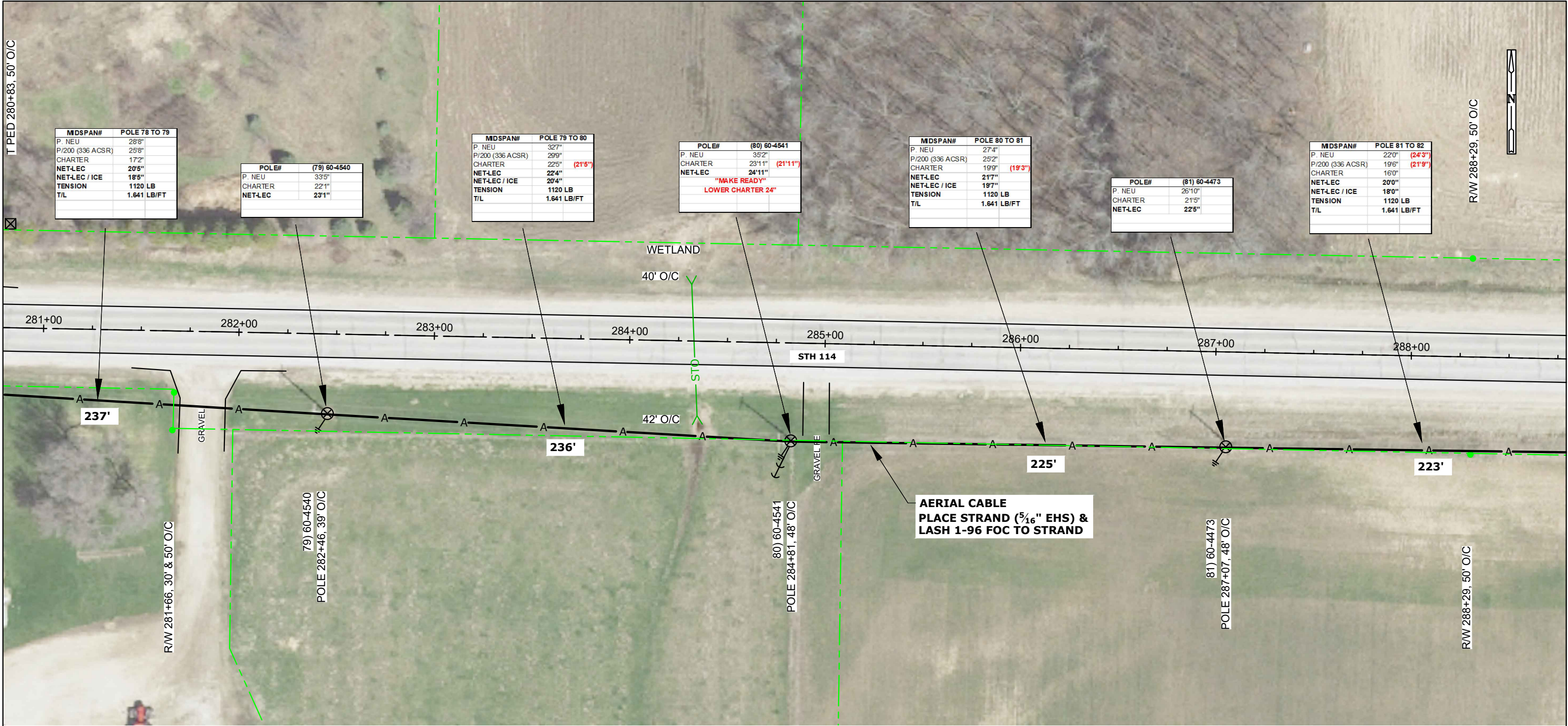
CONT'D PRT 35

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	<div>NSIGHT TELSOURCES</div> <div>SHERWOOD TO PLYMOUTH FIBER BUILD</div> <div>CALUMET COUNTY, WISCONSIN</div> <div>SHEET 34 OF 239</div>		
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE	UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA					

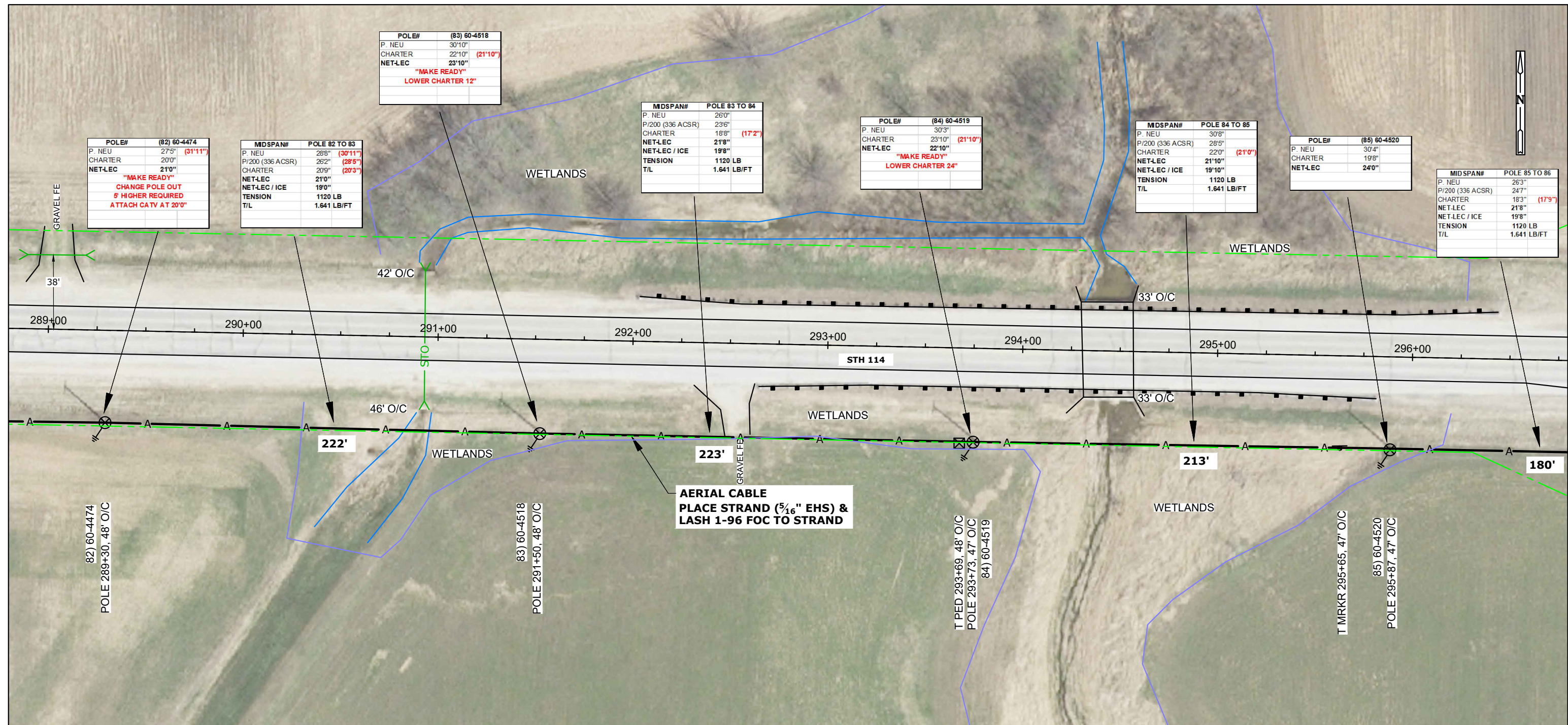


STATIONING INFO		HANDHOLE - MARKER-GND		BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY CALL FOR LOCATES</div>	NSIGHT TELSOURCES		
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 ($\frac{3}{16}$ "EHS)	PE 1-3 ($\frac{3}{16}$ "EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21			EPA	SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN	
																																	SHEET 35 OF 239
AERIAL																																	
SLACK																																	
LOOP	273+25											1	2600				11														11		

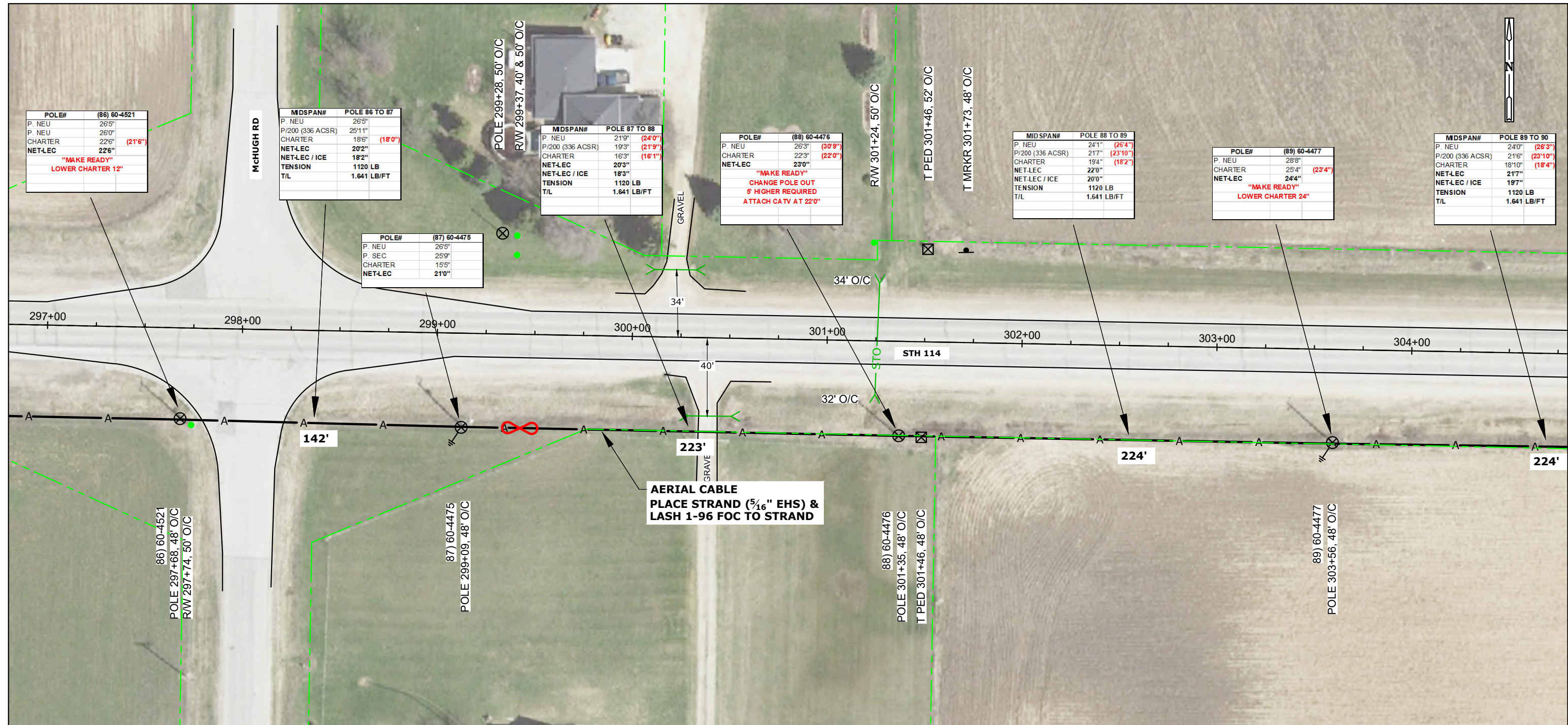
CONT'D PRT 35



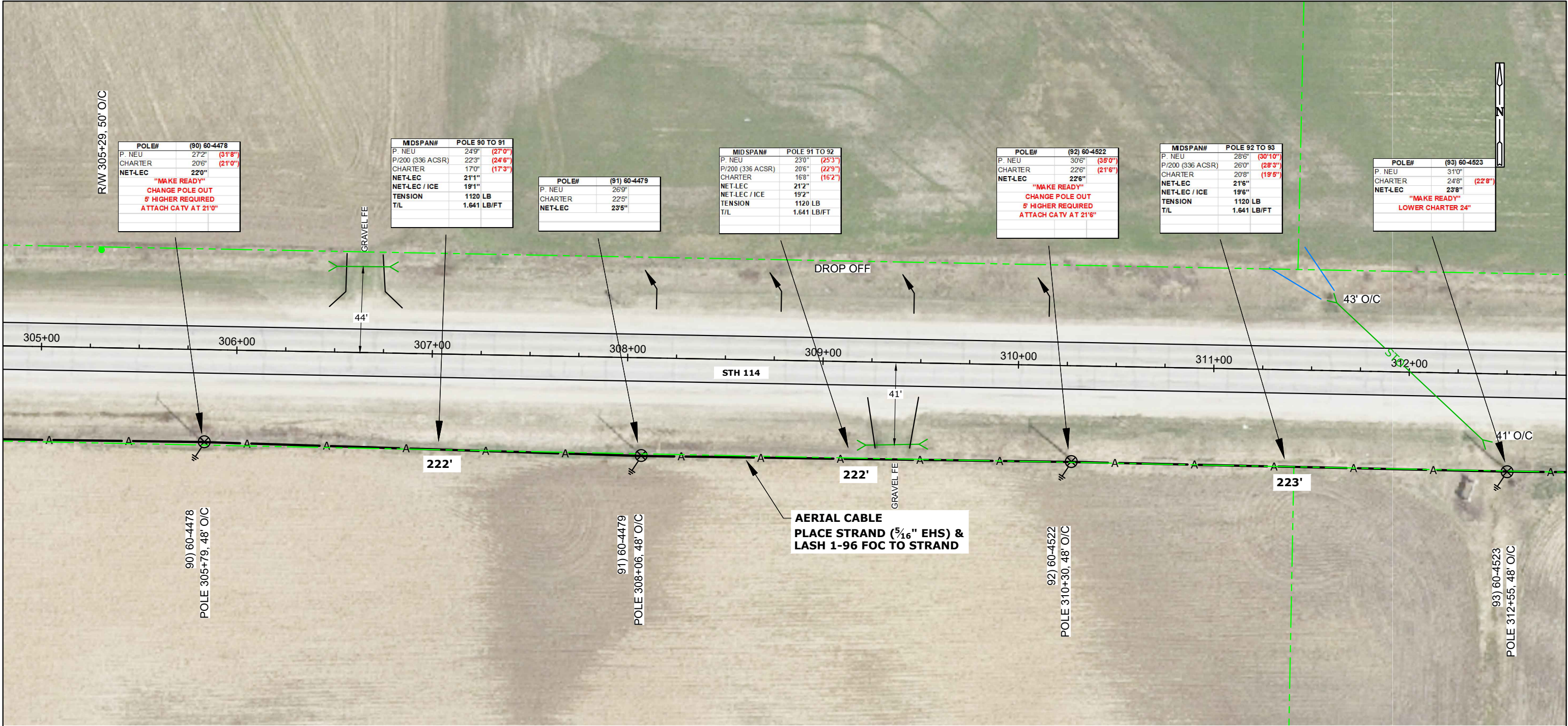
STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY CALL FOR LOCATES</div>			<div>NSIGHT TELS SERVICES SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN SHEET 36 OF 239</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE	UO (1X2X1.25) W/TRACE WIRE	BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										



STATIONING INFO		HANDHOLE - MARKER-GND		BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div><div>WARNING: BURIED UTILITIES IN AREA</div><div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div><div>CALL FOR LOCATES</div></div>	NSIGHT TELSOURCES		
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 ($\frac{5}{16}$ "EHS)	PE 1-3 ($\frac{5}{16}$ "EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21			EPA	SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN	
																																	SHEET 37 OF 239

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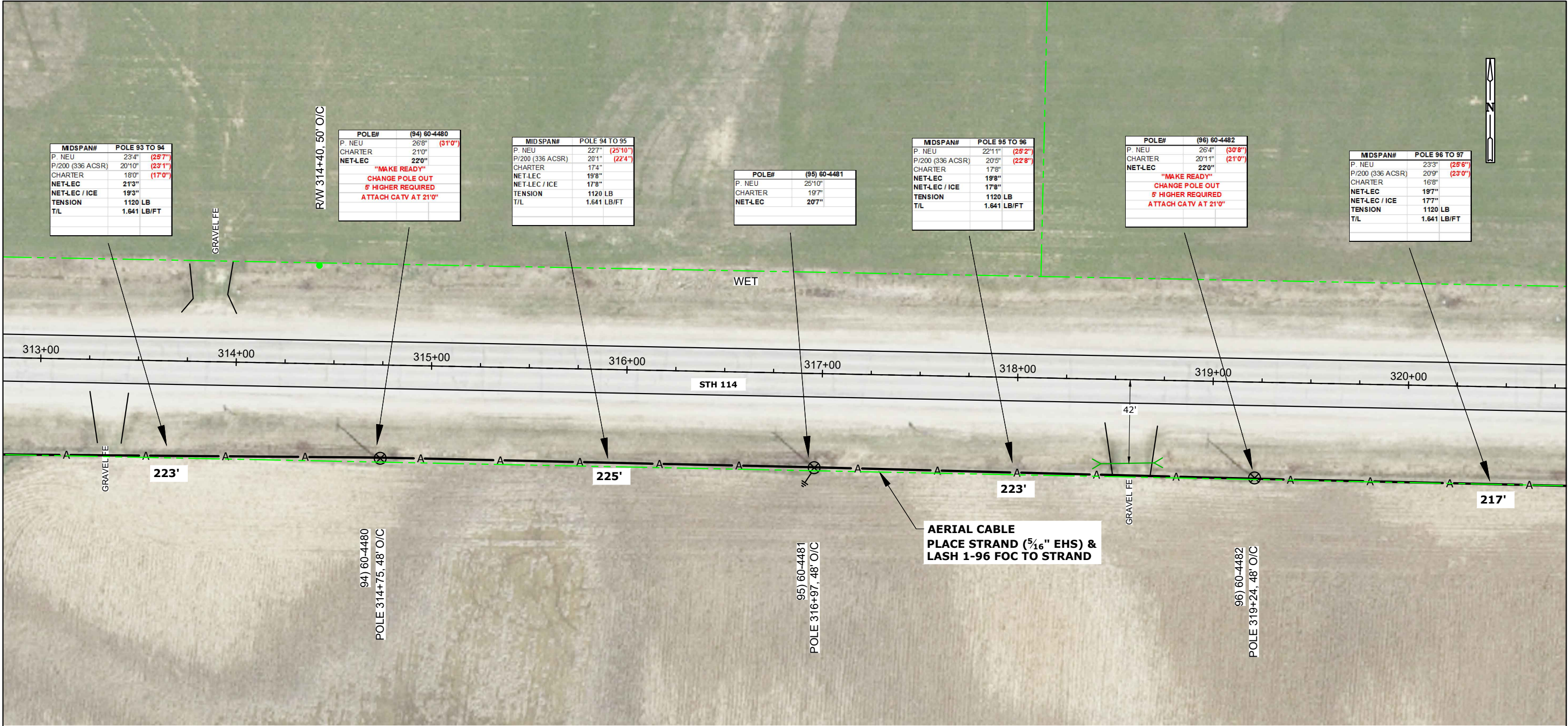
CONT'D PRT 38



CONT'D PRT 40

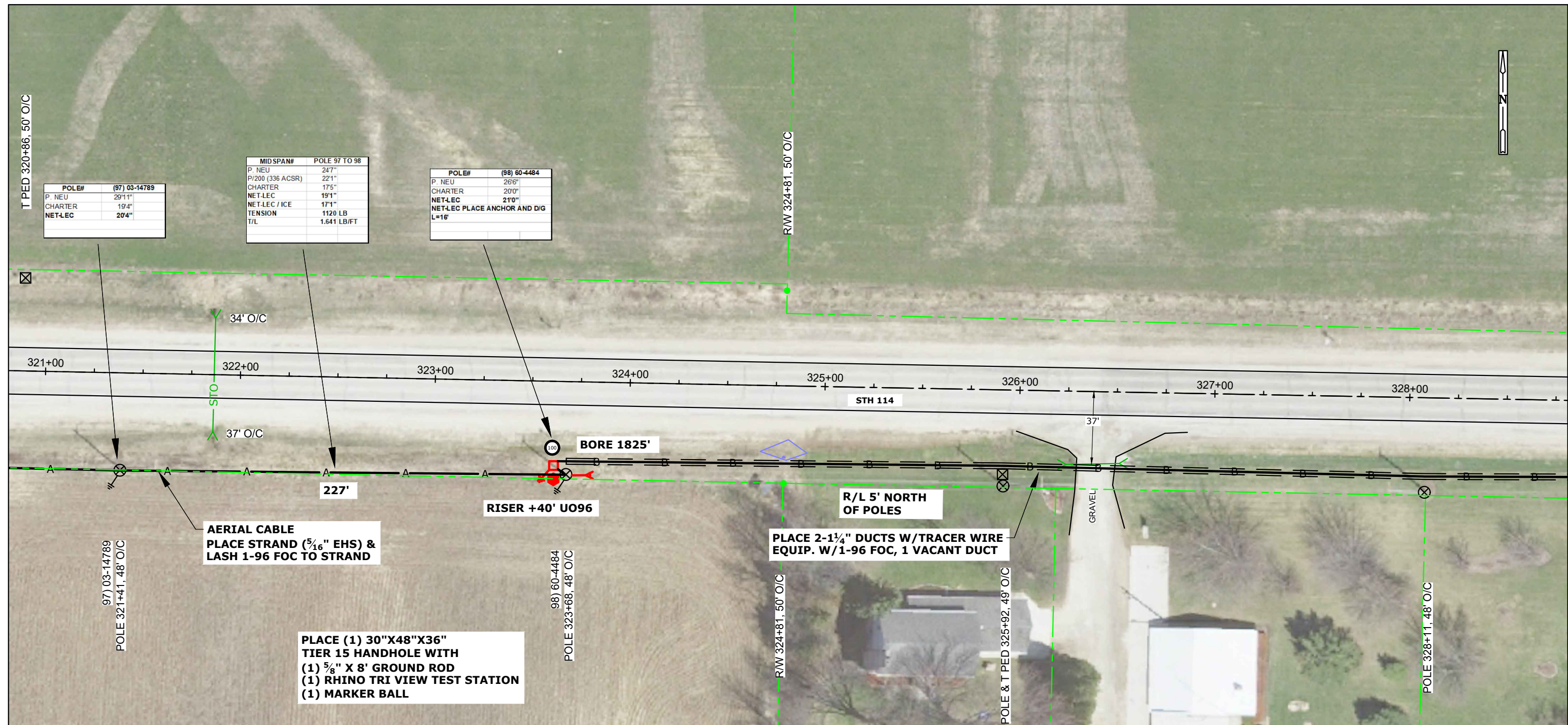
STATIONING INFO		HANDHOLE - MARKER-GND			BURIED					STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div><div>WARNING: BURIED UTILITIES IN AREA</div><div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div><div>CALL FOR LOCATES</div></div>	NSIGHT TELSOURCES			
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE	BMSC (100)	PMBT (96) 150'	CO 96 (5/16" EHS)	PE 1-3 (5/16" EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16" EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN			
																															SHEET 39 OF 239			
																															MAP NO.			
																															FILE NAME: Calumet N18-47 NORTH.dwg			
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CONT'D PRT 39



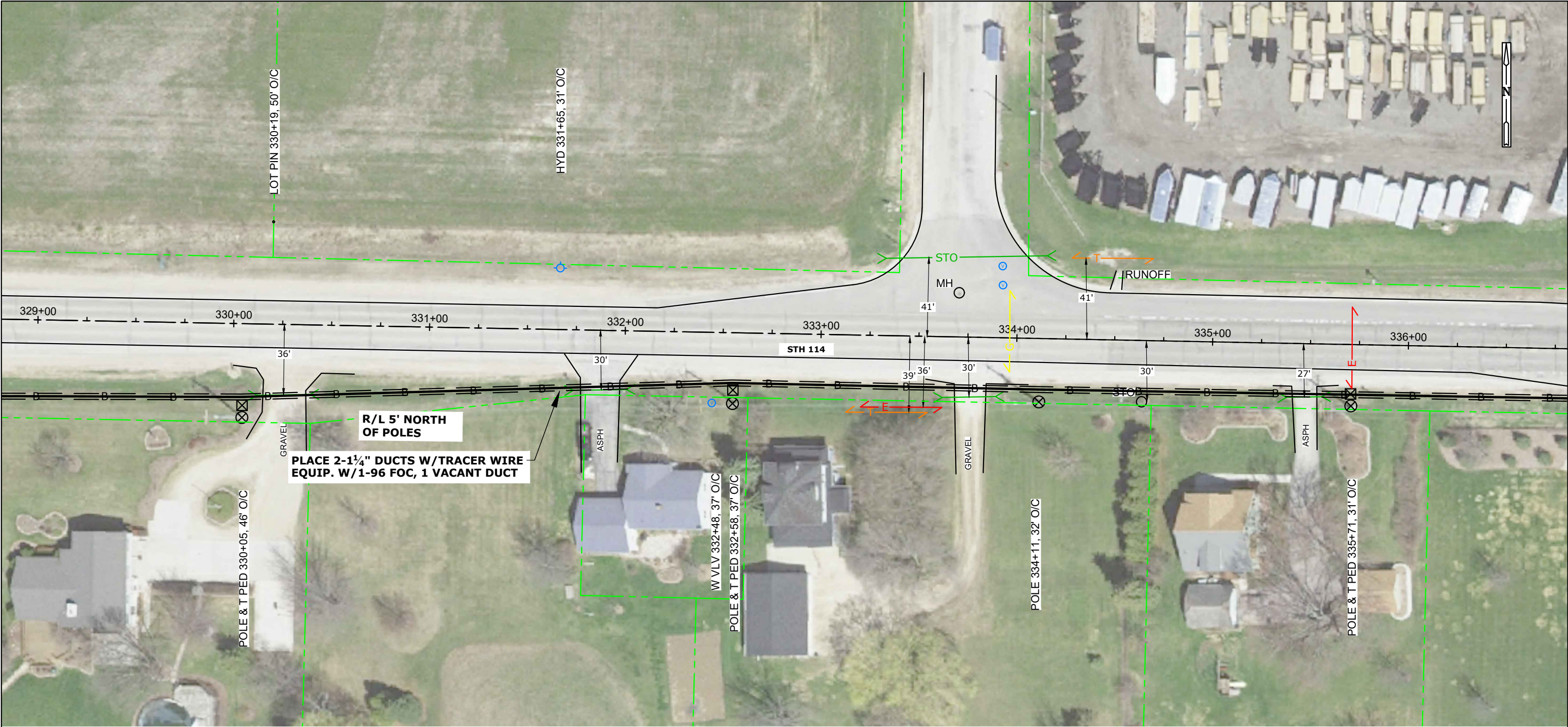
CONT'D PRT 41

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELS SERVICES							
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN							
																																	SHEET 40 OF 239						
																																	MAP NO.						
																																	FIELD	BY	DATE	FILE NAME: Calumet N18-47 NORTH.dwg			
																																	PLACE CABLE			P.O.# NL18-47			
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																																	STAKED			DESIGN		PC	
																																	BUILT						
TOTAL:		####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	#	ASBUILT			NOT TO SCALE			



STATIONING INFO		HANDHOLE - MARKER-GND		BURIED							STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div><div>WARNING: BURIED UTILITIES IN AREA</div><div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div><div>CALL FOR LOCATES</div></div>	NSIGHT TELS SERVICES				
OBJECT	STATION	UH 2 (30x48x36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 ($\frac{5}{16}$ "EHS)	PE 1-3 ($\frac{5}{16}$ "EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN				
HH	323+50	1	1	1	40							1	2400	1	1	3	1					8										11	SHEET 41 OF 239			
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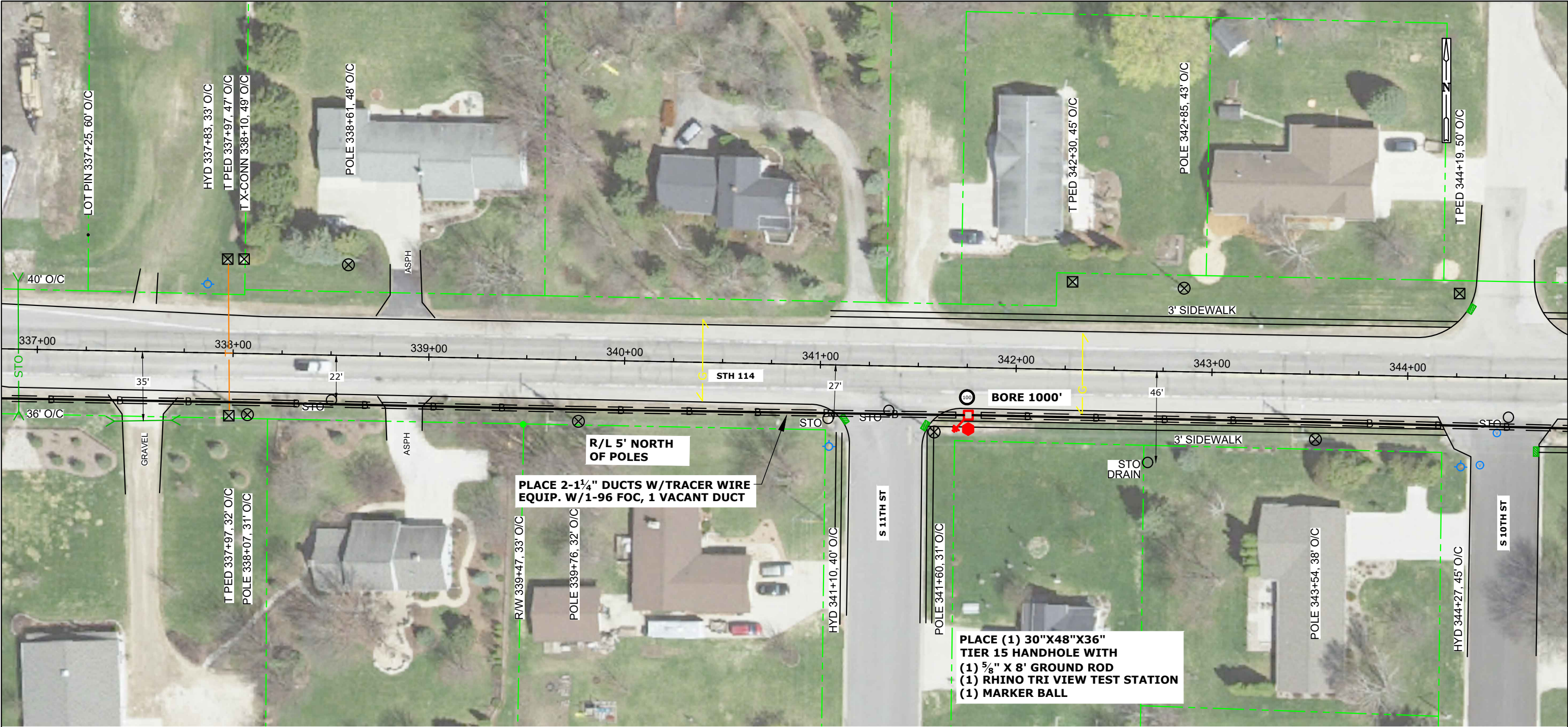
CONT'D PRT 41



CONT'D PRT 43

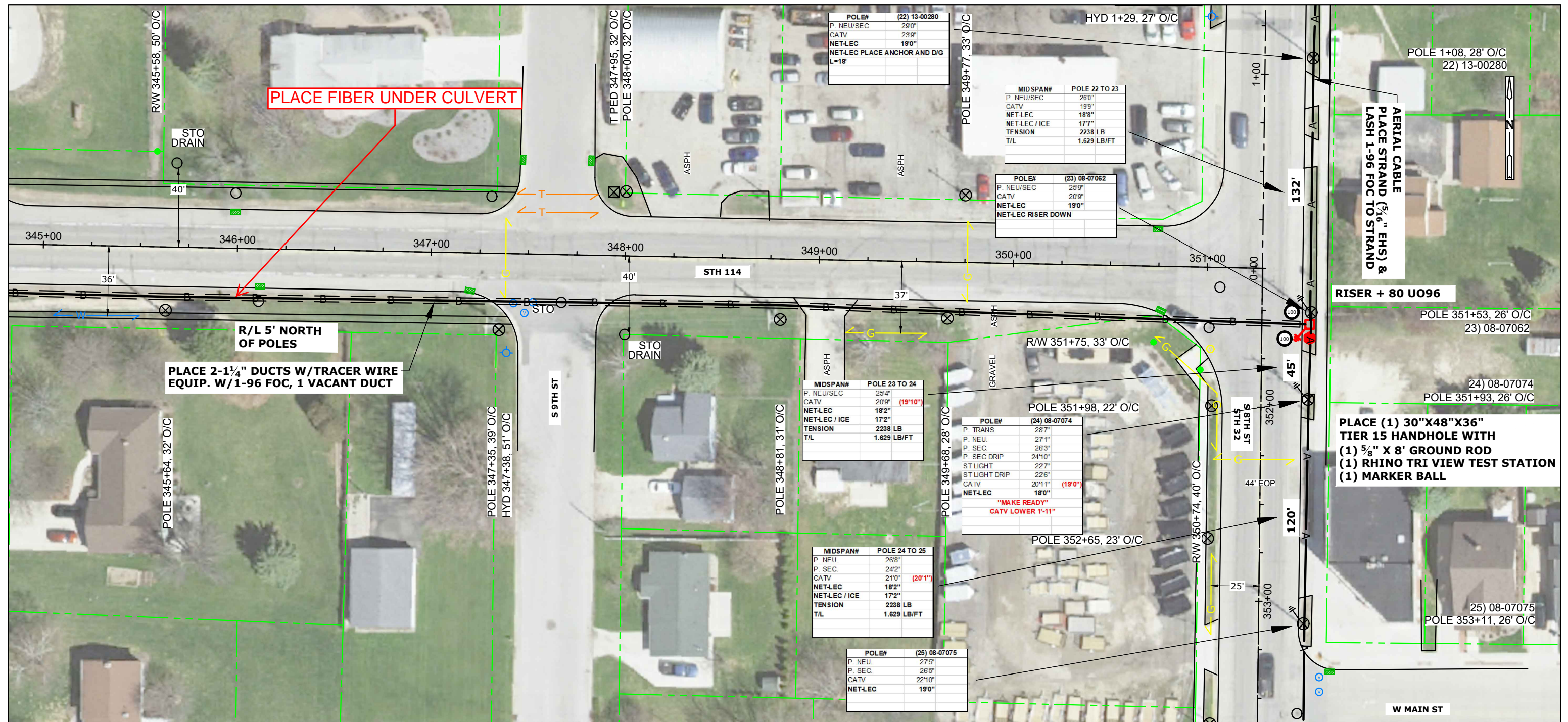
STATIONING INFO		HANDHOLE - MARKER-GND			BURIED						STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA</div> <div>NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY</div> <div>CALL FOR LOCATES</div>	NSIGHT TELS SERVICES		
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE		UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN		
																																		SHEET 42 OF 239

CONT'D PRT 42



CONT'D PRT 44

STATIONING INFO		HANDHOLE - MARKER-GND			BURIED					STORAGE		AERIAL										REMOVAL/REPLACEMENT				MISC.				<div>WARNING: BURIED UTILITIES IN AREA NOTE: UTILITIES SHOWN ON MAP ARE FOR REFERENCE ONLY CALL FOR LOCATES</div>	NSIGHT TELS SERVICES			
OBJECT	STATION	UH 2 (30X48X36) TIER 15	BM 53	BM 2 (5/8) (8)	UO 96	UD (1.25) 2 W/TRACER WIRE	BM61D (1.25) 2 W/TRACE	UO (1X2X1.25) W/TRACE WIRE		BMSC (100)	PMBT (96) 150'	CO 96 (5/16"EHS)	PE 1-3 (5/16"EHS)	PF 1-5	BM82 (8')	PM 11	A35-5	A40-5	PM 2	PM 2A	PE2-3 (5/16"EHS)	BM 72	BM 73	R 3-5		WHM	PM 21		EPA		SHERWOOD TO PLYMOUTH FIBER BUILD CALUMET COUNTY, WISCONSIN			
HH	341+75	1	1	1	1825		1825			1																						SHEET 43 OF 239		
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[illegible]



October 21, 2019

Dave Soeldner
Nsight Teleservices
450 Security Blvd
Green Bay WI 54313
Via email: david.soeldner@nsight.com

SUBJECT: Coverage Under WPDES General Permit No. WI-S067831-05: Construction Site Storm Water Runoff
Permittee Name: Nsight Teleservices
Site Name: Nsight - Sherwood to Elkhart Lake, WI - Phase I
FIN: 68755

Dear Permittee:

The Wisconsin Department of Natural Resources received your Water Resources Application for Project Permits or Notice of Intent, on October 01, 2019, for the Nsight - Sherwood to Elkhart Lake, WI - Phase I site and has evaluated the information provided regarding storm water discharges from your construction site. We have determined that your construction site activities will be regulated under ch. 283, Wis. Stats., ch. NR 216, Wis. Adm. Code, and in accordance with Wisconsin Pollutant Discharge Elimination System (WPDES) General Permit No. WI-S067831-05, Construction Site Storm Water Runoff. All erosion control and storm water management activities undertaken at the site must be done in accordance with the terms and conditions of the general permit.

The **Start Date** of permit coverage for this site is October 21, 2019. The maximum period of permit coverage for this site is limited to 3 years from the **Start Date**. Therefore, permit coverage automatically expires and terminates 3 years from the Start Date and storm water discharges are no longer authorized unless another Notice of Intent and application fee to retain coverage under this permit or a reissued version of this permit is submitted to the Department 14 working days prior to expiration.

A copy of the general permit along with extensive storm water information including technical standards, forms, guidance and other documents is accessible on the Department's storm water program Internet site. To obtain a copy of the general permit, please download it and the associated documents listed below from the following Department Internet site:

<http://dnr.wi.gov/topic/stormwater/construction/forms.html>

- Construction Site Storm Water Runoff WPDES general permit No. WI-S067831-05
- Construction site inspection report form
- Notice of Termination form

If, for any reason, you are unable to access these documents over the Internet, please contact me and I will send them to you.

To ensure compliance with the general permit, please read it carefully and be sure you understand its contents. Please take special note of the following requirements (This is not a complete list of the terms and conditions of the general permit.):

1. The Construction Site Erosion Control Plan and Storm Water Management Plan that you completed prior to submitting your permit application must be implemented and maintained throughout construction. Failure to do so may result in enforcement action by the Department.

2. The general permit requires that erosion and sediment controls be routinely inspected at least every 7 days, and within 24 hours after a rainfall event of 0.5 inches or greater. Weekly written reports of all inspections must be maintained. The reports must contain the following information:

- a. Date, time, and exact place of inspection;
- b. Name(s) of individual(s) performing inspection;
- c. An assessment of the condition of erosion and sediment controls;
- d. A description of any erosion and sediment control implementation and maintenance performed;
- e. A description of the site's present phase of construction.

3. A **Certificate of Permit Coverage** must be posted in a conspicuous place on the construction site. The Certificate of Permit Coverage (WDNR Publication # WT-813) is enclosed for your use.

4. When construction activities have ceased and the site has undergone final stabilization, a Notice of Termination (NOT) of coverage under the general permit must be submitted to the Department.

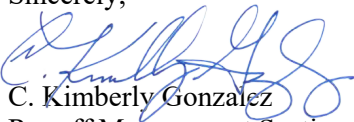
It is important that you read and understand the terms and conditions of the general permit because they have the force of law and apply to you. Your project may lose its permit coverage if you do not comply with its terms and conditions. The Department may also withdraw your project from coverage under the general permit and require that you obtain an individual WPDES permit instead, based on the Department's own motion, upon the filing of a written petition by any person, or upon your request.

If you believe that you have a right to challenge this decision to grant permit coverage, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with s. NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with s. NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.

Thank you for your cooperation with the Construction Site Storm Water Discharge Permit Program. If you have any questions concerning the contents of this letter or the general permit, please contact C. Kimberly Gonzalez at (608) 267-2759.

Sincerely,



C. Kimberly Gonzalez
Runoff Management Section
Water Resources Engineer

ENCLOSURE: Certificate of Permit Coverage



CERTIFICATE OF PERMIT COVERAGE

UNDER THE WPDES CONSTRUCTION SITE STORM WATER RUNOFF PERMIT Permit No. WI-S067831-05

Under s. NR 216.455(2), Wis. Adm. Code, landowners of construction sites with storm water discharges regulated by the Wisconsin Department of Natural Resources (WDNR) Storm Water Permit Program are required to post this certificate in a conspicuous place at the construction site. This certifies that the site has been granted WDNR storm water permit coverage. The landowner must implement and maintain erosion control practices to limit sediment-contaminated runoff to waters of the state in accordance with the permit.

EROSION CONTROL COMPLAINTS should be reported to the WDNR Tip Line at **1-800-TIP-WDNR (1-800-847-9367)**

Please provide the following information to the Tip Line:

WDNR Site No. (FIN): 68755

Site Name: Nsight - Sherwood to Elkhart Lake, WI - Phase I

Address/Location: Calumet, Manitowoc, and Sheboygan Counties Village of SHERWOOD

Additional Information:

Landowner: Nsight Teleservices

Landowner's Contact Person: Dave Soeldner

Contact Telephone Number: (920) 617-7314

Permit Start Date: October 21, 2019

By: _____

From: [Tekler, Lindsay M - DNR](#)
To: [Dennis Lafave](#); [DOT DTSD NE UTILITY COORDINATION](#)
Subject: RE: Permit 2019262 Revision
Date: Tuesday, September 17, 2019 9:45:15 AM
Attachments: [Calumet N18-47 NORTH 11-12.pdf](#)
[image002.png](#)
[Enviro 3.pdf](#)

Hi Dennis,

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](#) (required if total projects land disturbance exceeds 1 acre),
- [state wastewater permitting](#) (such as pit/trench dewatering), 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

Phone: (608) 535-2602

Email: Lindsay.Tekler@wisconsin.gov

From: Dennis Lafave <DLAFAVE@mi-tech.us>

Sent: Monday, September 16, 2019 9:47 AM

To: DOT DTSD NE UTILITY COORDINATION <dot.dtsd.ne.utility@dot.wi.gov>

Cc: Tekler, Lindsay M - DNR <Lindsay.Tekler@wisconsin.gov>

Subject: Permit 2019262 Revision

If anything else is needed please feel free to contact me.

Thanks

Dennis Lafave | OSP Designer

Mi-Tech Services Inc.

office: 920.465.8018 x8915 | fax: 920.465.8163 | cell: 920.619.9774

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

1345 North Road, Suite B

Green Bay, WI 54313



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From: [Jeff Zeinert](#)
To: [DOT DTSD NE UTILITY COORDINATION](#)
Subject: FW: Calumet County - Nsight Fiber Optic Build 1 of 3
Date: Tuesday, August 20, 2019 12:04:24 PM
Attachments: [image002.png](#)
[image001.png](#)
[WI DOT Permit App.docx](#)
[114 DNR Binder.pdf](#)

Here is the DNR Surface Water Data submission response received for permit submitted on 8/14/19.

Jeff Zeinert | OSP Technician

Mi-Tech Services Inc.

cell: 920.655.5135

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

1345 North Road, Suite B

Green Bay, WI 54313



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From: Tekler, Lindsay M - DNR [<mailto:Lindsay.Tekler@wisconsin.gov>]

Sent: Friday, August 16, 2019 11:49 AM

To: Jeff Zeinert <jzeinert@mi-tech.us>

Subject: RE: Calumet County - Nsight Fiber Optic Build 1 of 3

Hi Jeff,

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

The attached project (including emails 2 of 3 and 3 of 3), and as described below, will not require a waterway permit under Chapter 30 (Wis. Statutes), or the submission of a wetland permit application under Chapter 281.36 (Wis. Statutes). However, please note that this assumes any bore pits placed in wetland will impact less than 400 sq. ft. total of wetland, and that waterway channels will not be crossed with equipment or temporarily bridged for access. All wetland impacts must also be restored to pre-existing conditions, and all other standards, terms, and conditions of [WDNR-GP3-2018](#) must be met.

During the bore operation, please monitor the bore path across sensitive resources for inadvertent frac-outs. Please make sure the contractor has appropriate materials on site to contain and clean up a frac-out in wetlands and waterways if one should occur.

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](#) (required if total projects land disturbance

- exceeds 1 acre),
- [state wastewater permitting](#) (such as pit/trench dewatering), 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

Phone: (608) 535-2602

Email: Lindsay.Tekler@wisconsin.gov

From: Jeff Zeinert <jzeinert@mi-tech.us>

Sent: Wednesday, August 14, 2019 12:30 PM

To: Tekler, Lindsay M - DNR <Lindsay.Tekler@wisconsin.gov>

Subject: Calumet County - Nsight Fiber Optic Build 1 of 3

Hi Lindsay,

Today I sent a permit request to the DOT and was unaware that I need to also send the information to you (relatively new at this). Due to file sizes I sent three emails with attachments to the DOT which I am now going to send to you for review. This pertains to a fiber optic build between Sherwood and Elkhart Lake. Although this is a mix of aerial and buried installation, the entire route has been included. These three emails pertain to STH114/55 in Calumet County. Please let me know if you need anything else once you have received these. I want to make sure going forward I not only include you along with the DOT but get everything you need to make the process go as smoothly as possible.

Thank you,

Jeff Zeinert | OSP Technician

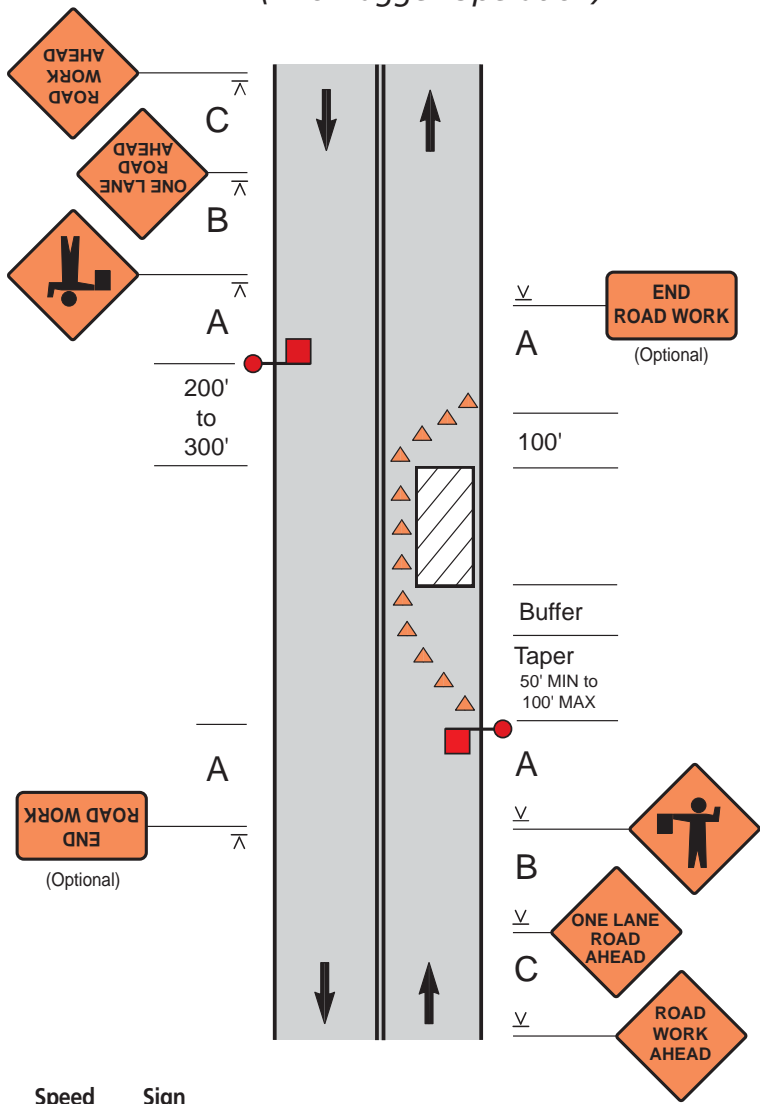
[Mi-Tech Services Inc.](#)

cell: 920.655.5135

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

If the shoulder closure encroaches over the travel way edgeline, a lane closure with flagging is required to be in place instead of the shoulder closure.

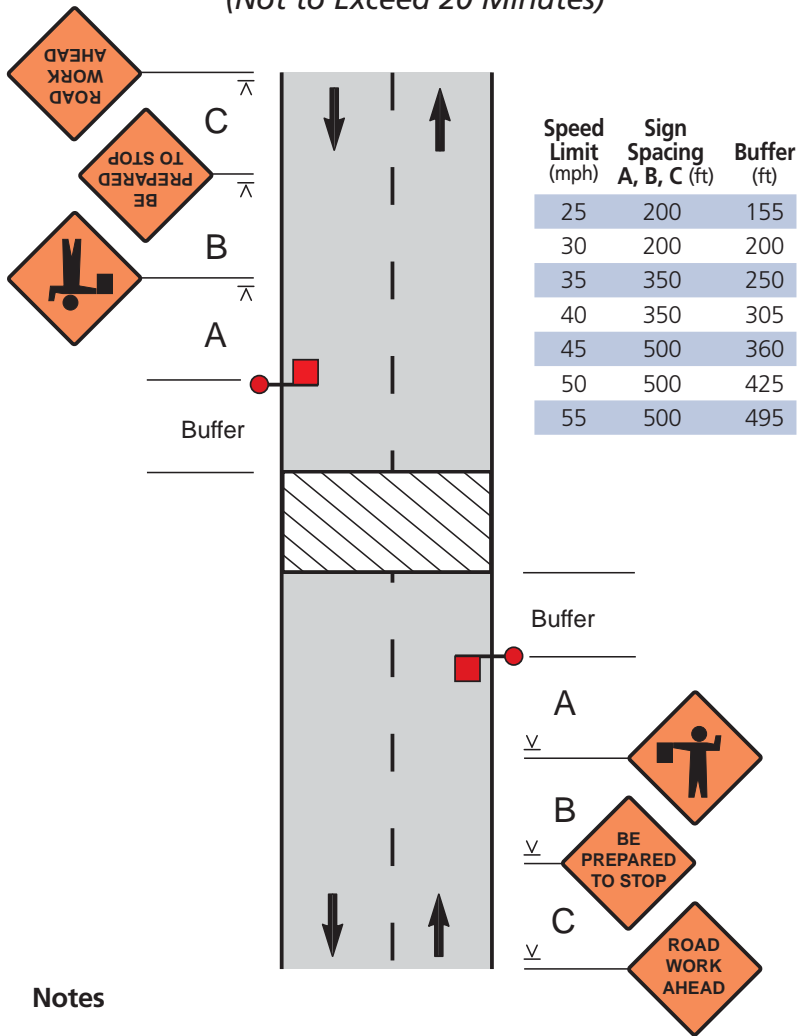
Lane Closure on a Two-Lane Road
(Two Flagger Operation)



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

Temporary Road Closure (Not to Exceed 20 Minutes)



Notes

1. Conditions represented are for work which requires closings during daytime hours only.
2. This application is intended for a planned temporary closing not to exceed 20 minutes.
3. A flagger or uniformed officer shall be used for this application.
4. The flagger should stop the first vehicle from the shoulder as shown. After stopping the first vehicle if the view of the flagger is obstructed, then he/she should move toward the centerline to stop additional traffic.
5. Flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 56.

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Table 6H-2. Meaning of Symbols on Typical Application Diagrams

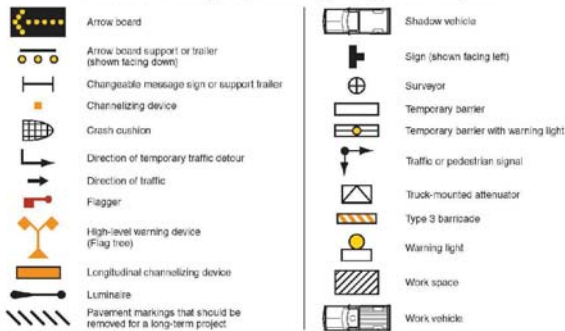


Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	150 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,540 feet

* Speed category to be determined by highway agency.
** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-4. The A dimension is the distance from the transition or point of instruction in the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6H-4. Formulas for Determining Taper Length

Speed (S)	Taper Length (L) in feet
43 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = \frac{WS}{55}$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or if none, 85th percentile speed prior to work starting, or the anticipated operating speed in mph

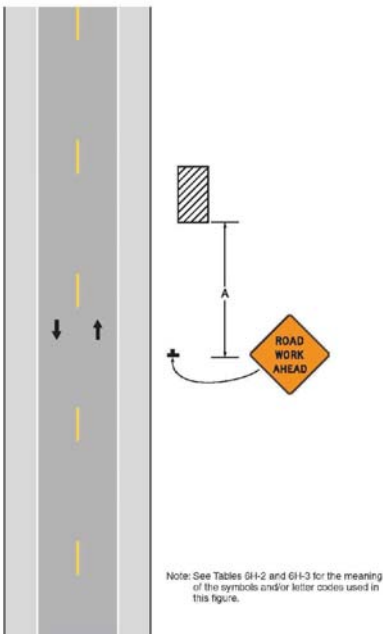
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Figure 6H-1. Work Beyond the Shoulder (TA-1)



Typical Application 1

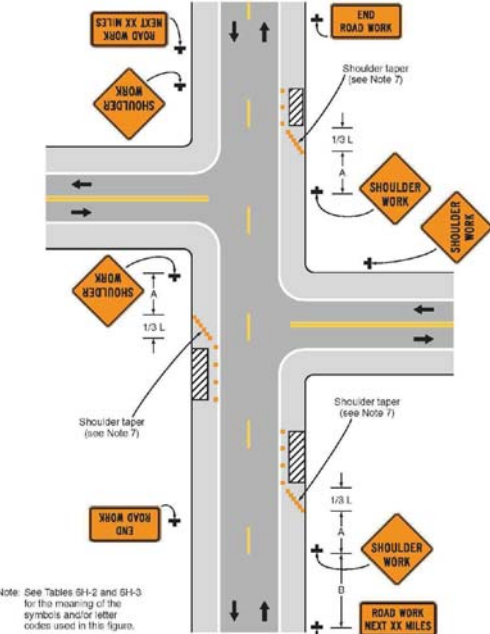
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Figure 6H-3. Work on the Shoulders (TA-3)



Typical Application 3

December 2009

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Notes for Figure 6H-1—Typical Application 1
Work Beyond the Shoulder

Guidance:

1. If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.

Option:

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

Standard:

6. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.

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Notes for Figure 6H-3—Typical Application 3
Work on the Shoulders

Guidance:

1. A SHOULDER WORK sign should be placed on the left side of the roadway for a divided or one-way street only if the left shoulder is affected.

Option:

2. The Workers symbol signs may be used instead of SHOULDER WORK signs.
3. The SHOULDER WORK AHEAD sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.
4. For short duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

Standard:

6. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.
7. When paved shoulders having a width of 8 feet or more are closed, at least one advance warning sign shall be used. In addition, channelizing devices shall be used to close the shoulder in advance to delineate the beginning of the work space and direct vehicular traffic to remain within the traveled way.

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Notes for Figure 6H-4—Typical Application 4
Short Duration or Mobile Operation on a Shoulder

Guidance:

1. In those situations where multiple work locations within a limited distance make it practical to place stationary signs, the distance between the advance warning sign and the work should not exceed 5 miles.
2. In those situations where the distance between the advance signs and the work is 2 miles to 5 miles, a Supplemental Distance plaque should be used with the ROAD WORK AHEAD sign.

Option:

3. The ROAD WORK NEXT XX MILES sign may be used instead of the ROAD WORK AHEAD sign if the work locations occur over a distance of more than 2 miles.
4. Stationary warning signs may be omitted for short duration or mobile operations if the work vehicle displays high-intensity rotating, flashing, oscillating, or strobe lights.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

Standard:

6. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.
7. If an arrow board is used for an operation on the shoulder, the caution mode shall be used.
8. Vehicle-mounted signs shall be mounted in a manner such that they are not obscured by equipment or supplies. Sign legends on vehicle-mounted signs shall be covered or turned from view when work is not in progress.

Sheet 6H.01

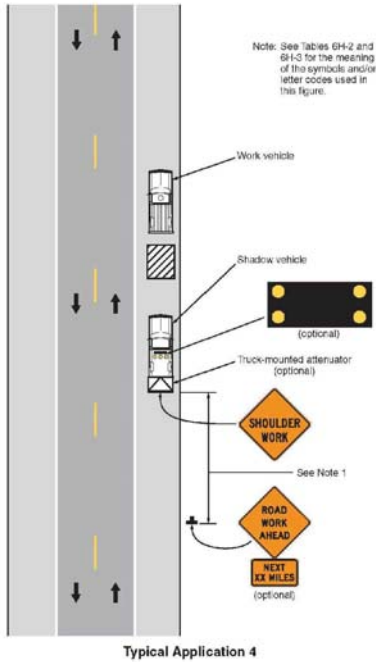
December 2009

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Figure 6H-4. Short-Duration or Mobile Operation on a Shoulder (TA-4)



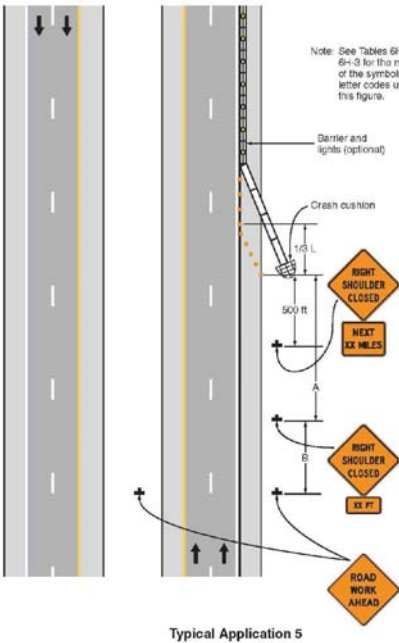
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Figure 6H-5. Shoulder Closure on a Freeway (TA-5)



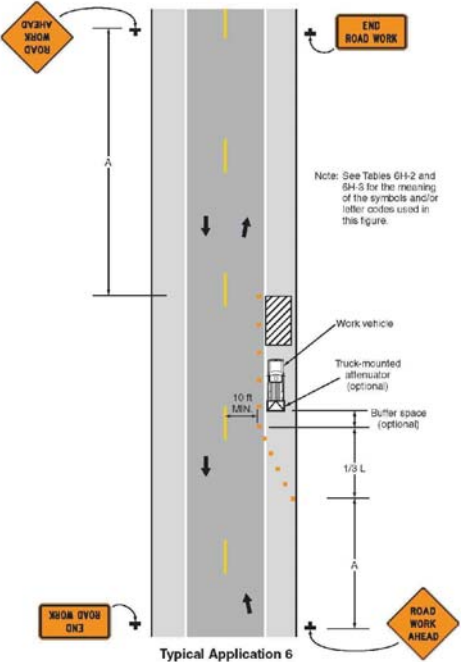
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Figure 6H-6. Shoulder Work with Minor Encroachment (TA-6)



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Notes for Figure 6H-5—Typical Application 5
Shoulder Closure on a Freeway

Guidance:

1. SHOULDER CLOSED signs should be used on limited-access highways where there is no opportunity for disabled vehicles to pull off the roadway.
2. If drivers cannot see a pull-off area beyond the closed shoulder, information regarding the length of the shoulder closure should be provided in feet or miles, as appropriate.
3. The use of a temporary traffic barrier should be based on engineering judgment.

Standard:

4. Temporary traffic barriers, if used, shall comply with the provisions of Section 6F.85.

Option:

5. The barrier shown in this typical application is an example of one method that may be used to close a shoulder of a long-term project.
6. The warning lights shown on the barrier may be used.

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Notes for Figure 6H-6—Typical Application 6
Shoulder Work with Minor Encroachment

Guidance:

1. All lanes should be a minimum of 10 feet in width as measured to the near face of the channelizing devices.
2. The treatment shown should be used on a minor road having low speeds. For higher-speed traffic conditions, a lane closure should be used.

Option:

3. For short-term use on low-volume, low-speed roadways with vehicular traffic that does not include longer and wider heavy commercial vehicles, a minimum lane width of 9 feet may be used.
4. Where the opposite shoulder is suitable for carrying vehicular traffic and of adequate width, lanes may be shifted by use of closely-spaced channelizing devices, provided that the minimum lane width of 10 feet is maintained.
5. Additional advance warning may be appropriate, such as a ROAD NARROWS sign.
6. Temporary traffic barriers may be used along the work space.
7. The shadow vehicle may be omitted if a taper and channelizing devices are used.
8. A truck-mounted attenuator may be used on the shadow vehicle.
9. For short-duration work, the taper and channelizing devices may be omitted if a shadow vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
10. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

Standard:

11. Vehicle-mounted signs shall be mounted in a manner such that they are not obscured by equipment or supplies. Sign legends on vehicle-mounted signs shall be covered or turned from view when work is not in progress.
12. Shadow and work vehicles shall display high-intensity rotating, flashing, oscillating, or strobe lights.
13. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.

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