



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

Tony Evers, Governor  
Craig Thompson, Secretary  
Internet web site: [www.wisconsin.gov](http://www.wisconsin.gov)

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

## SPECIAL SUPPLEMENTAL PERMIT PROVISIONS

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

### Permit Number: 2018411

1. WisDOT maintains the traffic signal at Hwy 47 & Hwy AP (Midway Road). If any power outages are needed to complete this work, We-Energies shall coordinate these outages with WisDOT Traffic Unit two days in advance. Point of contact is Randy Asman, 920 360-3107.
2. No lane restrictions for single lane closures. When doing the full closures for the OH line hanging/removal, use a single lane closure setup in each direction and then flaggers for the single lane of traffic in each direction.
3. (HMM 09-15-60-4.2) Send the LCS request to WisDOT for review and approval at the appropriate time in accordance with the following advance notifications guidelines:
  - a. 7 calendar days for any freeway ramp, lane or shoulder closure
  - b. 7 calendar days for full roadway closure of any state highway (detour involved)
  - c. 7 calendar days for closures that may impact oversize/overweight (OSOW) permits
  - d. 3 business days for closures non-freeway or shoulder closuresContact Josh Falk, (920) 366-8033 or [joshua.falk@dot.wi.gov](mailto:joshua.falk@dot.wi.gov).
4. Any closure or impact to the sidewalk at STH 47 & Midway Road must follow the MUTCD and FDM. Any detour must be via hardsurface at all times. Detail has been added.
5. Contamination present along corridor, contact Andrew James (WDNR) for additional information (920) 662-5149 prior to starting work.
6. (HMM 09-15-45-3.2) Manual tracking is prohibited over traffic lanes. The bore head can be tracked up to the shoulder edge or back of curb.
7. The depth of bury for underground facilities crossing the right of way shall be a minimum of 36 inches as measured from a straight line connecting the lowest points of the finished ground or pavement surface on each side of the right of way to the top of the facility at the time of installation.
8. The depth of bury for underground facilities in the right of way shall be a minimum of 36 inches as measured from the finished ground surface to the top of the facility at the time of installation.
9. (HMM 09-15-25-2.2) Facilities crossing over the highway shall at no time be less than 17 feet above the high point of the traveled way.
10. (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

DT1553

7/2017

Wisconsin Department of Transportation  
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 <b>WE Energies</b> 800 S Lynndale Dr Appleton WI, 54303		2. Work Start Date <b>Upon Approval</b> <del>7/2019</del>	3. Work Finish Date <b>7/31/2019</b>	6. Location Description (¼ section, section, town, range; provide plat and/or location maps) <b>NW1/4, T20N17E11</b>	
		4. Is the work due to a WisDOT highway project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		7. Work Location (List all that apply) Town: _____ Village: <b>FOX CROSSING</b> City: _____ County: <b>WINNEBAGO</b>	
5. Applicant Work Order (If any) <b>4103102, 4103103, 4103104, 4103105, 4103106</b>		8. Highway (List all that apply) WIS: <b>STH 47</b> US: _____ Interstate: _____			
9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.) <input type="checkbox"/> Comm: _____ <input checked="" type="checkbox"/> Electric: <b>12KV Primary Cable</b> <input type="checkbox"/> Gas/Oil: _____ <input type="checkbox"/> Water: _____ <input type="checkbox"/> Sewer: _____ <input type="checkbox"/> Casing: _____ <input type="checkbox"/> Conduit: _____ <input type="checkbox"/> _____: _____ <input type="checkbox"/> Transmission <input type="checkbox"/> Service <input checked="" type="checkbox"/> Distribution <input type="checkbox"/> Service ( <b>ESCP</b> )		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 in conduit pavement <input type="checkbox"/> Hand/mechanical excavation  Bore: <input type="checkbox"/> Hydraulic (Auger/Jack/Tunnel) <input type="checkbox"/> Pneumatic (Mole) <input type="checkbox"/> Directional 1 (Manually tracked) <input type="checkbox"/> Directional 2 (Computer tracked) <input type="checkbox"/> Unknown (At this time)		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 checked="" type="checkbox"/> Lane closure: without flagging <input type="checkbox"/> Lane closure: with flagging <input type="checkbox"/> Lane encroachment (2 feet or less) <input type="checkbox"/> Intersection/roundabout <input type="checkbox"/> Shoulder/parking lane closure <input type="checkbox"/> Railroad crossing  Freeway/expressway location <input type="checkbox"/> Off shoulder: < 30' off white line <input type="checkbox"/> Off shoulder: ≥ 30' off white line <input type="checkbox"/> Near right-of-way line or fence  Non-freeway/expressway location <input type="checkbox"/> Off shoulder: < 15' off white line <input type="checkbox"/> Off shoulder: ≥ 15' off white line <input type="checkbox"/> Back of curb: < 2' behind <input type="checkbox"/> Back of curb: ≥ 2' behind	
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 checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Guys  (~Diameter) (Name of existing owner) (Provide details for all guy-wires on plan sheets)		14. Is the facility near a survey monument? <b>HMM 09-15-35</b> If yes, call (866) 568-2852 or email <a href="mailto:geodetic@dot.wi.gov">geodetic@dot.wi.gov</a> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11. Work Types (Check all that apply) <input checked="" type="checkbox"/> New facility <input checked="" 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  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		Pothole (Subsurface excavation): <input type="checkbox"/> Air <input type="checkbox"/> Water		15. Will appurtenances be installed with the facility? If yes, provide a description and/or specification for each item. <input type="checkbox"/> Yes <input type="checkbox"/> No	
		16. Trans 401 project designation? If Major, provide a formal erosion control plan. <b>HMM 09-15-55</b> <input checked="" type="checkbox"/> Major <input 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 <b>Frank Morzenti</b>	Telephone Number <b>(920)380-3423</b>	<b>It is understood and agreed that WisDOT approval is subject to the applicant's full compliance with all pertinent statutes, as well as any regulations and rules of other jurisdictional agencies (which may be more restrictive), any supplemental permit provisions, and WisDOT's <u>Utility Accommodation Policy</u>, current edition.</b>
19. Utility or Project 24/7 Emergency Contact <b>We Energies Emergency Hotline</b>	Telephone Number <b>(800)662-4797</b>	
20. Provide company name and address of utility authorized representative if not employed by the applicant.  <b>Shane Bruhnke</b>		<b>12/6/2018</b> (Date)
		(Utility Authorized Representative Signature – If filled via computer, brush script font)
21. Provide additional work details, if needed (use back page or include separate pages) <b>See back page.</b>		<b>shane.bruhnke@we-energies.com</b> (Email Address)
		<b>Shane Bruhnke</b> (Title)
		<b>920-380-3450</b> (Telephone Number)
<b>This permit does not transfer any land, or give, grant or convey any land right, right in land, or easement in WisDOT right-of-way. It is not assignable or transferrable. If a utility facility changes ownership, this permit terminates. The new owner must obtain a permit in order to operate and maintain the facility in WisDOT right-of-way.</b>		

### For Wisconsin Department of Transportation Use Only

<input checked="" type="checkbox"/> <b>UTILITY SHALL NOTIFY WisDOT REPRESENTATIVE LISTED BELOW 3 DAYS BEFORE STARTING ANY WORK:</b> Region contact, office address, telephone number and email address <b>Linda Skaleski</b> WisDOT, Northeast Region 944 Vanderperren Way Green Bay, WI 54304 920-492-4166 <a href="mailto:dotdtsdneutilitycoordination@dot.wi.gov">dotdtsdneutilitycoordination@dot.wi.gov</a>	<input checked="" type="checkbox"/> <b>Review All Supplemental Permit Provisions</b> <input checked="" type="checkbox"/> <b>Revisions Made to Drawings or Other Pages</b> <input checked="" type="checkbox"/> Lane Closure System notification required <a href="http://HMM.09-15-60">HMM.09-15-60</a> <input type="checkbox"/> Insurance or performance bond required <input type="checkbox"/> Joint installation: See permit(s) # _____ <input type="checkbox"/> Private utility (Non-public ownership and/or use) <input type="checkbox"/> Expedited Service Connection Permit <input type="checkbox"/> This permit voids & supersedes # _____ issued: _____ <input type="checkbox"/>	Application Received <b>12/10/2018</b> Application Completed
		Permit Issued <b>1/14/2019</b>
		Permit Extended
		Permit Amended
		Permit Number <b>2018411</b>

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

Wisconsin Department of Transportation

DT1553

(WisDOT Improvement Project ID Numbers, if applicable)

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

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

WR4064980 is the overview drawing for the project containing the following work requests on STH 47: 4103102, 4103103, 4103104, 4103105, & 4103106. Rebuilding OH main line along the east side of STH 47. See attached traffic control plan for each work

## 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. **REVOCAION 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

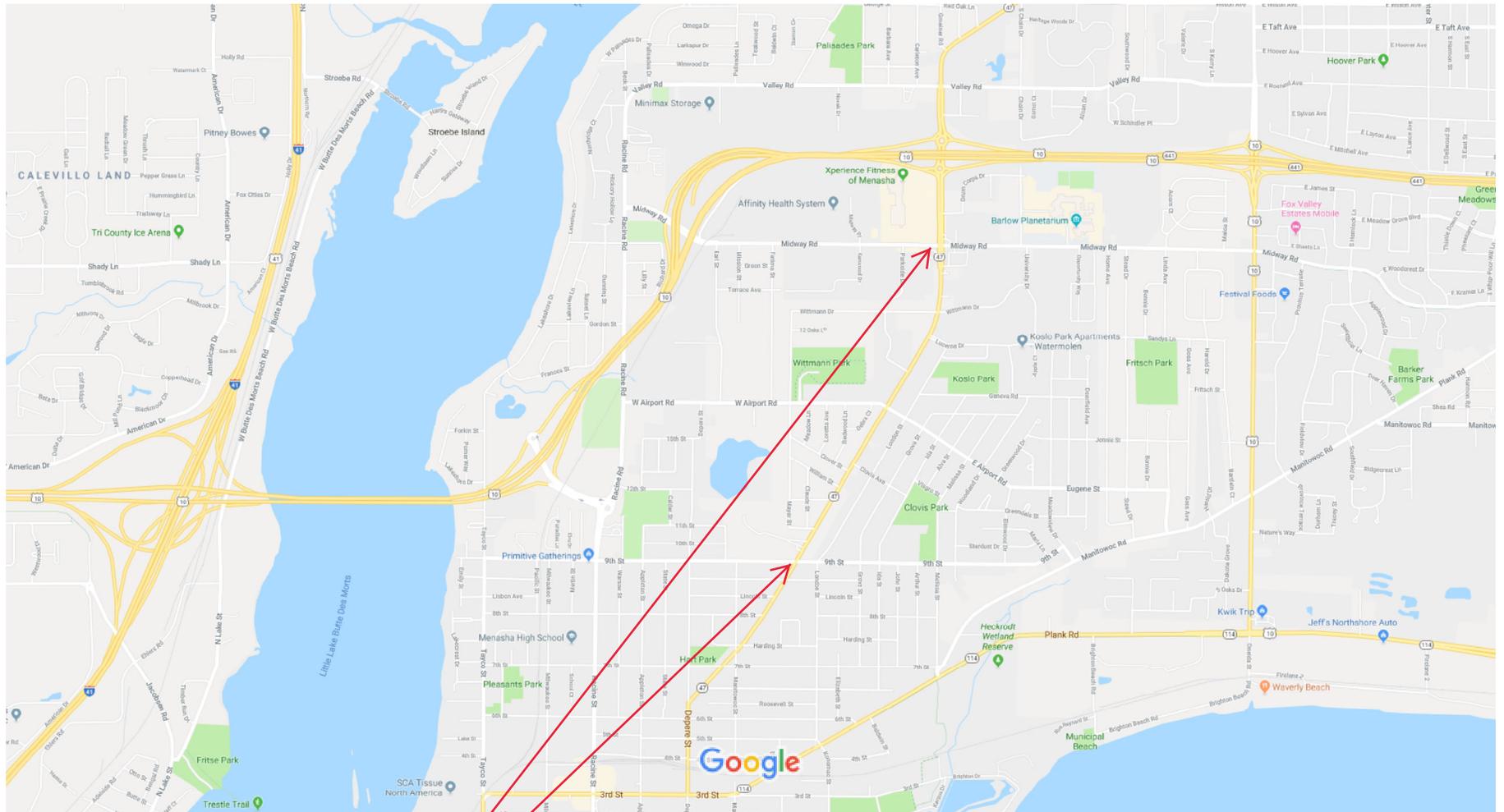
Upon completion of the work, all disturbed areas shall be restored according to requirements stated in the Utility Accommodation Policy, HMM 09-15-65, and in a manner satisfactory to WisDOT

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.*



Map data ©2018 Google 1000 ft

Shape the future of Google.

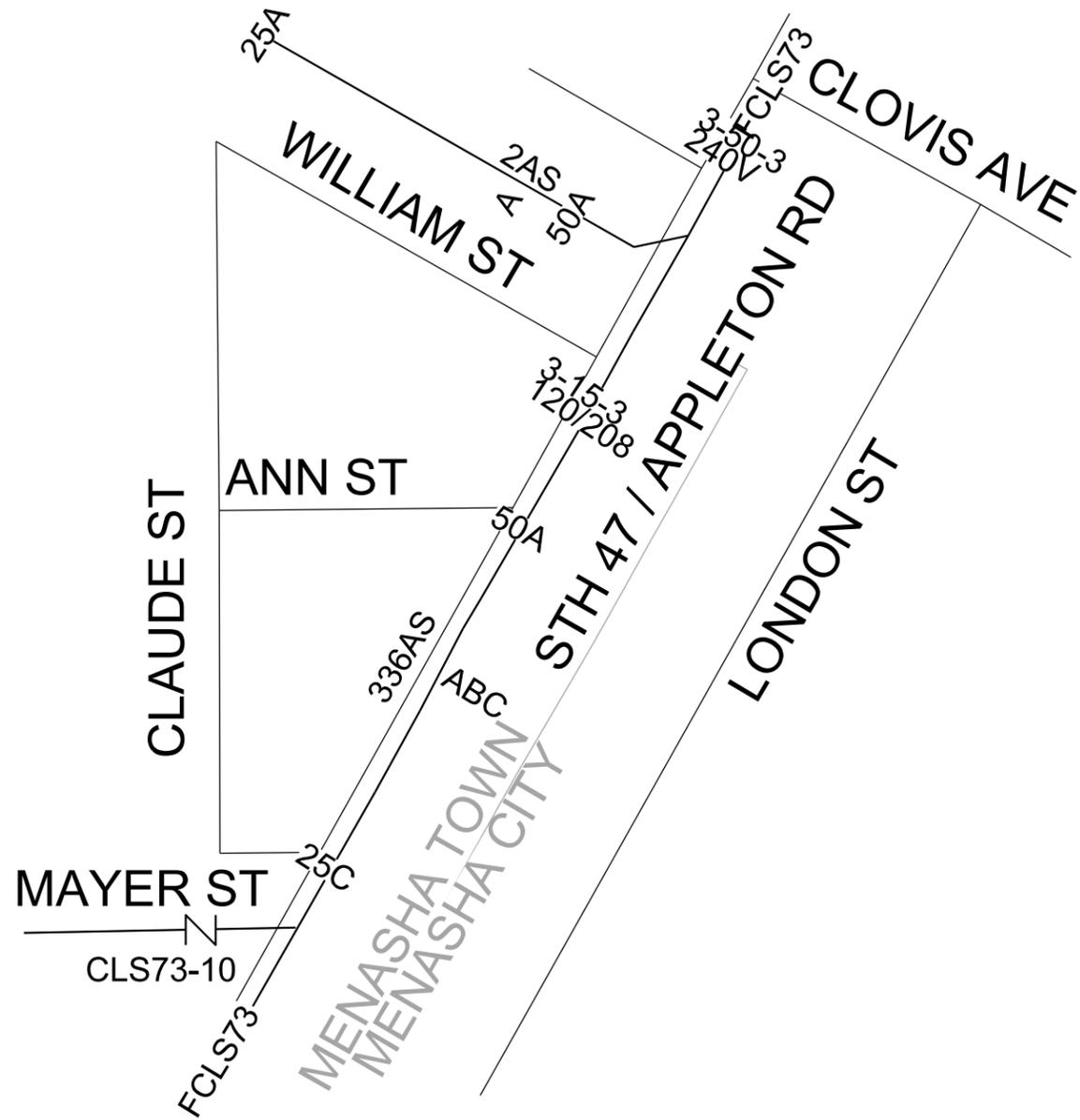
**CLICK LINK TO VIEW THIS AREA IN GOOGLE MAPS**



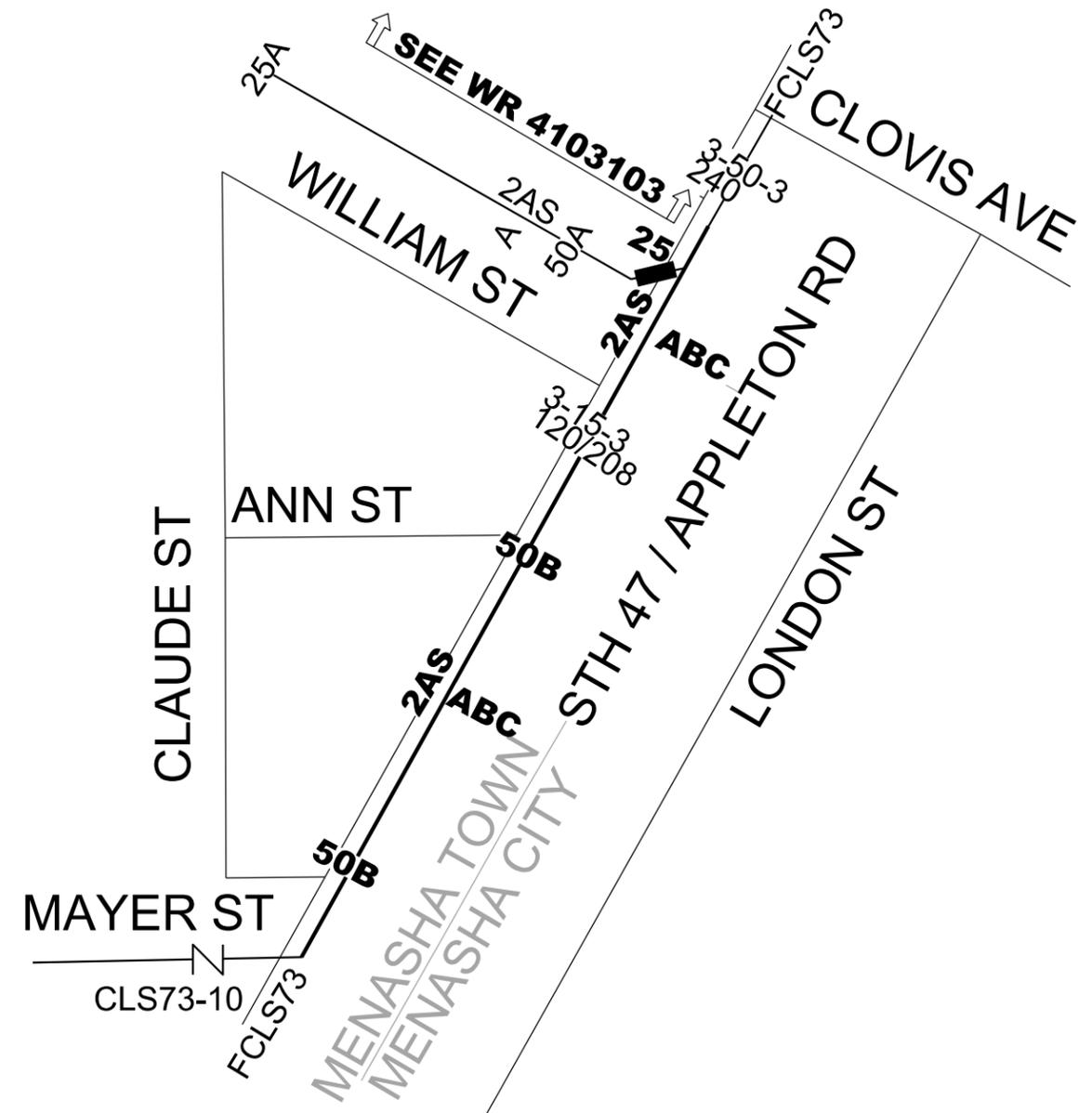




EXISTING FEEDER FCLS73



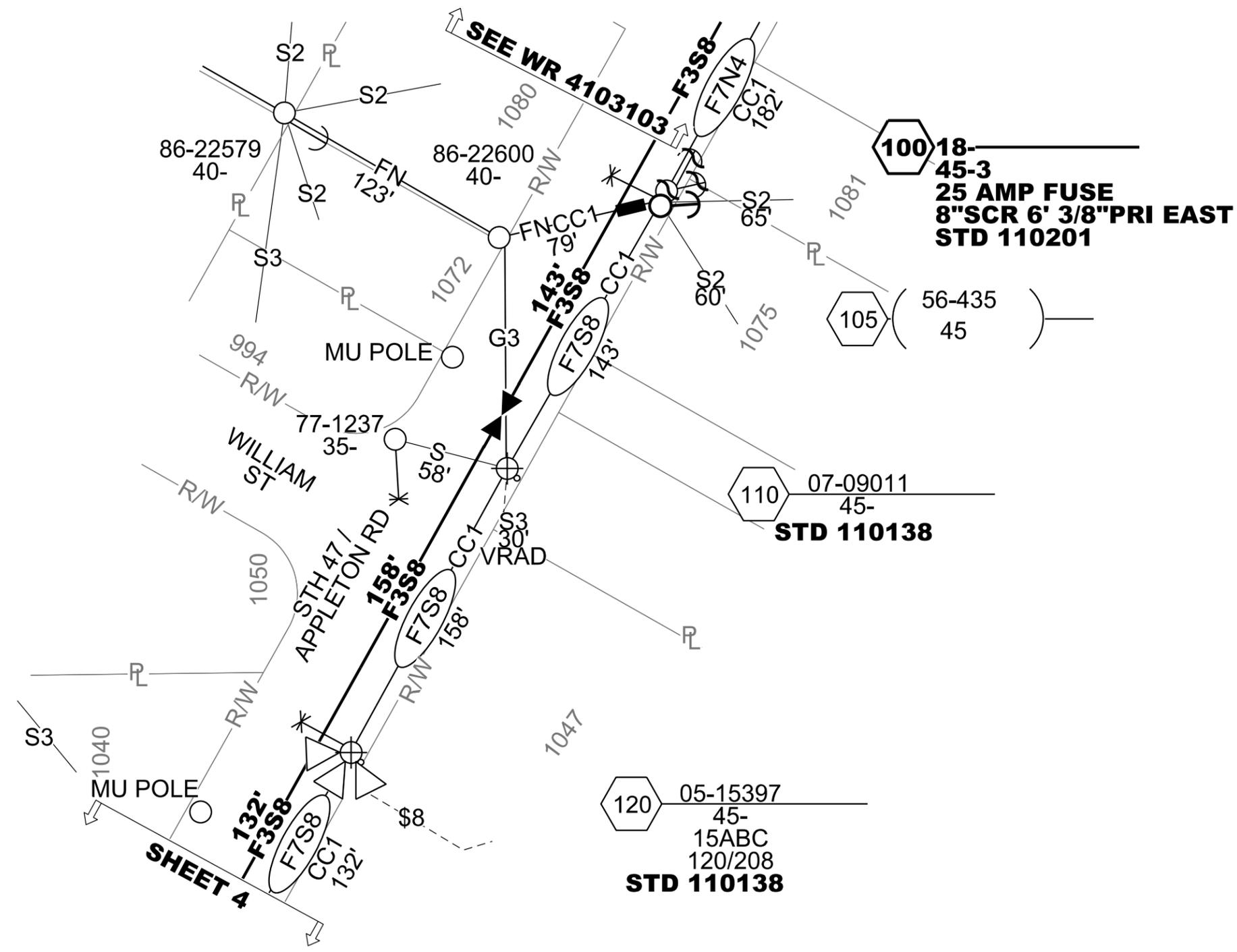
PROPOSED FEEDER FCLS73





**4103102**

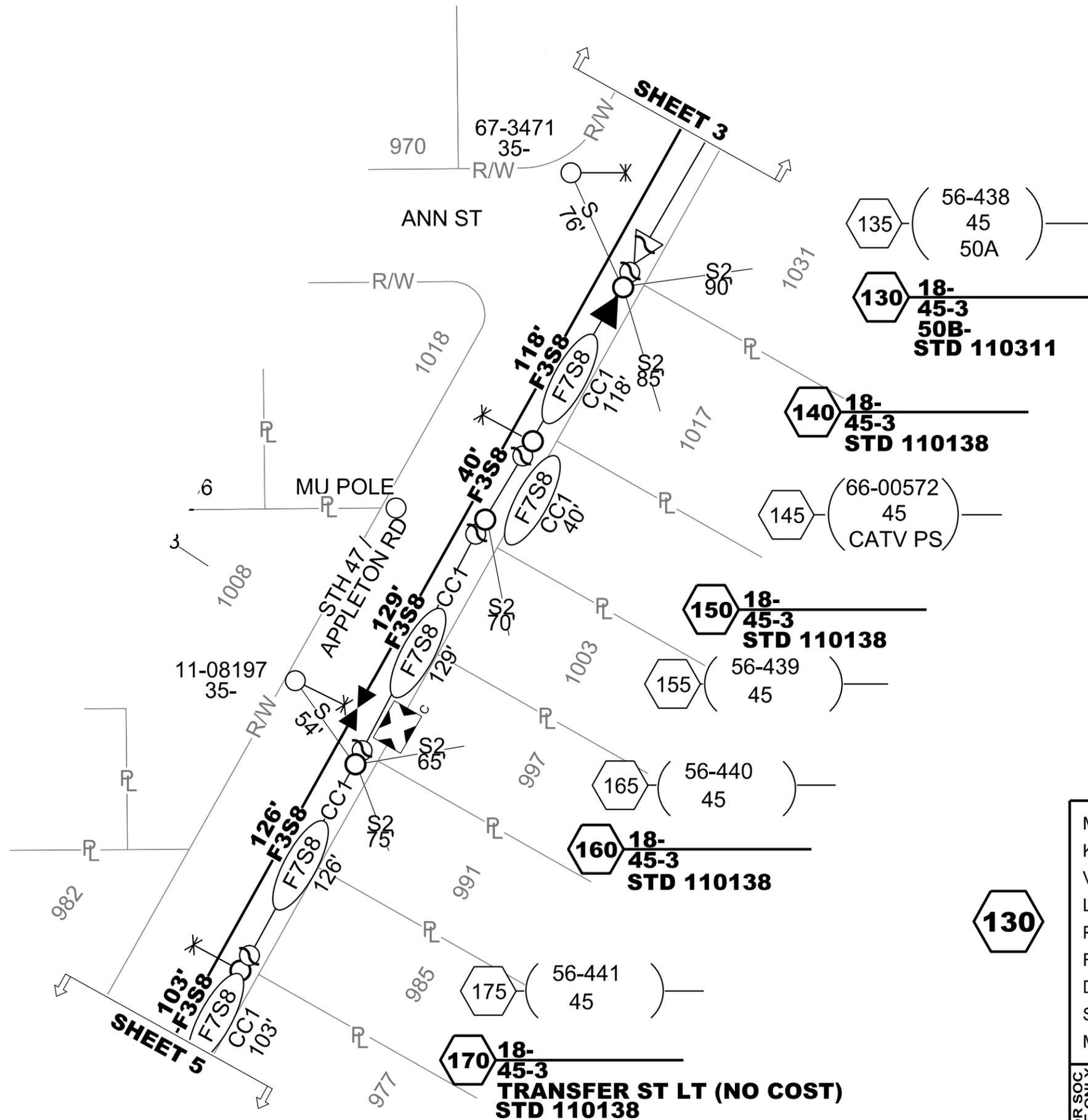
WIRE KEY  
F9 3-#<sup>2</sup>/<sub>0</sub>ACSR  
F30N3 4-#<sup>4</sup>/<sub>0</sub>AL





**4103102**

WIRE KEY  
F9 3-#7/8 ACSR  
F30N3 4-#4/8 AL



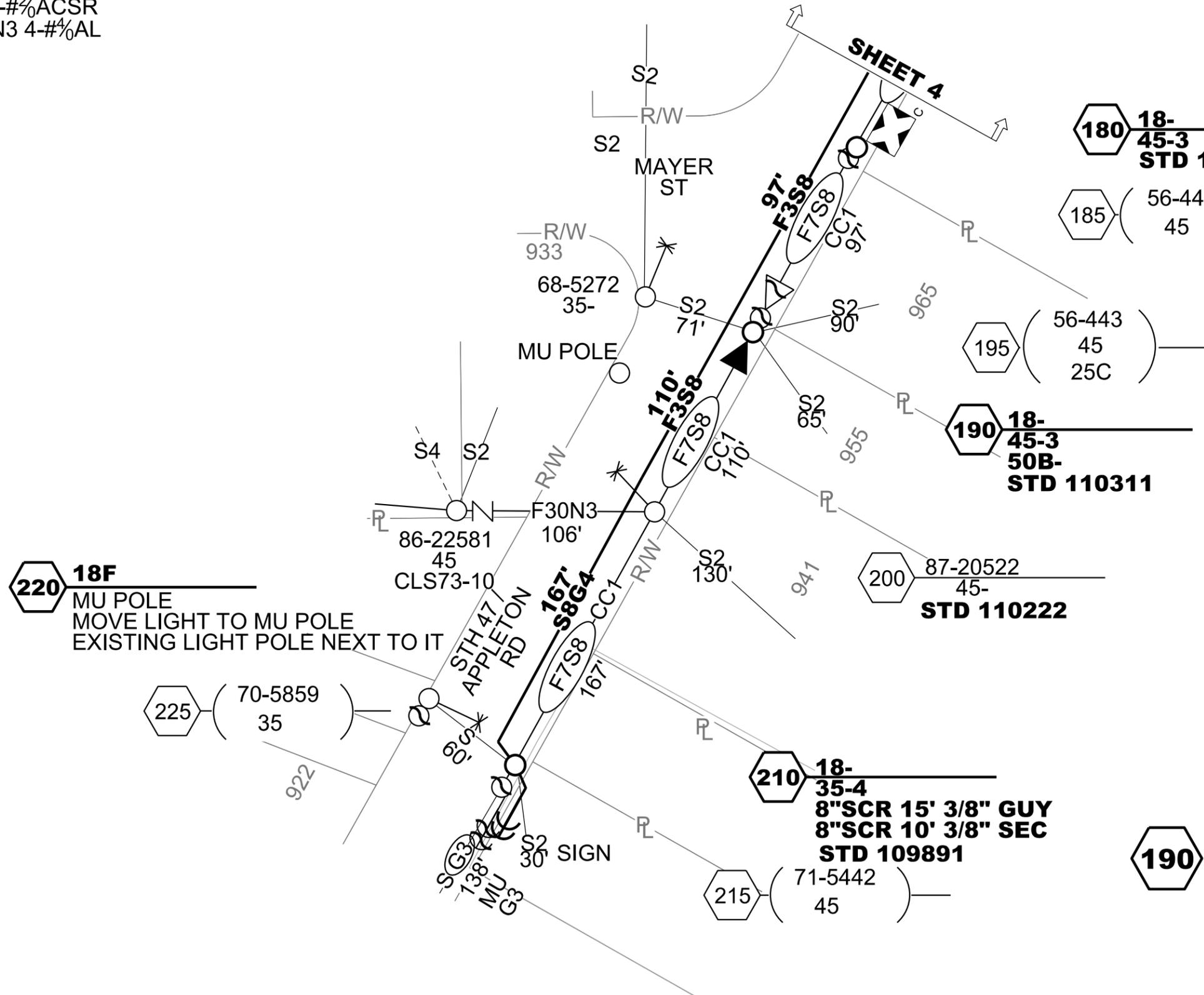
**130**

MANUFACTURER:	_____
KVA:	50
VOLTAGE:	120/240
LOCATION ID:	18-
PHASE:	B
FLUID TYPE:	_____
DESIGN IZ:	_____
SERIAL:	_____
MATERIAL #:	_____
FOR SOC USE ONLY	WE ENERGIES EQUIPMENT ENERGIZED <input type="checkbox"/> Y <input type="checkbox"/> N
	Customer EQUIPMENT ENERGIZED <input type="checkbox"/> Y <input type="checkbox"/> N EDC: _____
	SWITCHED BY: _____ DATE/TIME: _____



4103102

WIRE KEY  
F9 3-#2/0 ACSR  
F30N3 4-#4/0 AL



**220 18F**  
 MU POLE  
 MOVE LIGHT TO MU POLE  
 EXISTING LIGHT POLE NEXT TO IT

**180 18-45-3**  
**STD 110138**

**185** ( 56-442 / 45 )

**195** ( 56-443 / 45 / 25C )

**190 18-45-3**  
**50B-STD 110311**

**200 87-20522**  
**45-STD 110222**

**210 18-35-4**  
**8"SCR 15' 3/8" GUY**  
**8"SCR 10' 3/8" SEC**  
**STD 109891**

**215** ( 71-5442 / 45 )

**190**

MANUFACTURER:	_____
KVA:	_____ 50 _____
VOLTAGE:	_____ 120/240 _____
LOCATION ID:	_____ 18- _____
PHASE:	_____ B _____
FLUID TYPE:	_____
DESIGN IZ:	_____
SERIAL:	_____
MATERIAL #:	_____
FOR SOC USE ONLY	WE ENERGIES EQUIPMENT ENERGIZED <input type="checkbox"/> Y <input type="checkbox"/> N
	Customer EQUIPMENT ENERGIZED <input type="checkbox"/> Y <input type="checkbox"/> N EDC: _____
	SWITCHED BY: _____ DATE/TIME: _____



ELECTRIC WORK REQUEST

4103103



C  T  V: MENASHA
CUST/PROJ NAME: CLS73 RELIABILITY IMPROVEMENT
PROJECT LOCATION: 1165 STH 47/ APPLETON RD

PREPARED BY: JIM QUINN
E-MAIL: JAMES.QUINN@WE-ENERGIES.COM
OFFICE #: CELL #: 618-920-5772
PROJECT ID: FV18006 IO #: 52458
OPERATING MAPS: 3852-8960-02
EXISTING FEEDER: FCLS73
PROPOSED FEEDER: FCLS73
T-R-S - 1/4Q: 2017E 11NW CGS#:

TYPE OF WORK:
[ ] CONVERSION kV to kV
[ ] CABLE REPLACEMENT [ ] FEEDER CUT
[ ] PAVING RELOCATION [ ] REBUILD
[X] OTHER SYSEM IMPROVEMENT

STAKING REQUIREMENTS:
[X] SURVEYOR [ ] STAKED
[ ] DESIGNER [ ] NOT NEEDED
RESTORE PRIVATE PROPERTY:
[X] YES [ ] NO

JU COMPANY ATT
PROJECT #: 2017-001961 WILL TRANSFER THEIR OWN
CONSTRUCTION CONTACT:
PHONE # , CELL #
EMAIL

JU COMPANY SPECTRUM
PROJECT #: THEY WILL TRANSFER
CONSTRUCTION CONTACT: VINCE ALBIN
PHONE # 920-831-9249 CELL #
EMAIL

JU COMPANY MENASHA UTILITIES
PROJECT #:
CONSTRUCTION CONTACT: GREG SHULL
PHONE # 920-967-3422 CELL #
EMAIL

RAILROAD PERMITTING/FLAGGING REQUIRED [ ] YES [X] NO

RR NAME

[ ] THIS IS A JUMPP PROJECT [X] THIS IS NOT A JUMPP PROJECT

[X] ROW TO OBTAIN EASEMENT / ADD EASEMENT. SURVEYOR TO STAKE C/L AND MARK WIDTH OF EASEMENT ON STAKE.

[ ] ROW TO CONTACT CST/DESIGNER FOR EASEMENT REQ'S.

[ ] NO NEW EASEMENTS REQUIRED

EROSION CONTROL NOTES

[X] IF DISTURBANCE OCCURS IN SUMMER, FINAL STABILIZATION SHALL BE PERMANENT SEED AND PROPERLY ANCHORED MULCH, UNLESS NOTED. IF DISTURBANCE OCCURS IN WINTER, TEMPORARY STABILIZATION SHALL BE SOIL STABILIZER, TYPE A, UNLESS NOTED. FINAL STABILIZATION IS REQUIRED IN SPRING.

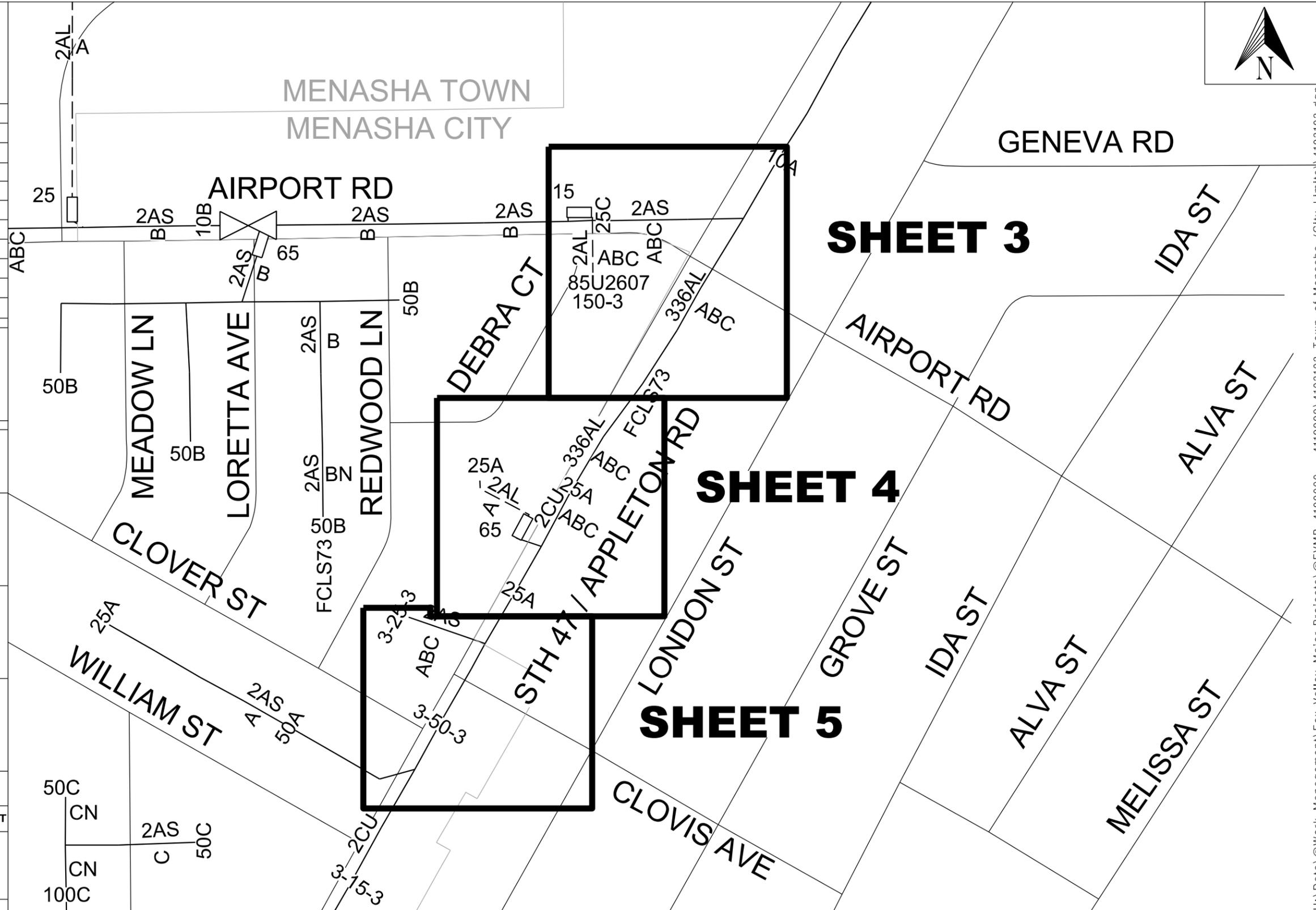
[ ] IF DISTURBANCE OCCURS WITHIN THE SLOPE INTERCEPT, FINAL STABILIZATION SHALL BE SOIL STABILIZER, TYPE A, UNLESS NOTED. IF DISTURBANCE OCCURS OUTSIDE THE SLOPE INTERCEPT, FINAL STABILIZATION SHALL BE PERMANENT SEED AND PROPERLY ANCHORED MULCH, UNLESS NOTED.

[ ] IF DISTURBANCE OCCURS IN AGRICULTURAL FIELDS, SOIL SEGREGATION WILL NEED TO TAKE PLACE TO RETURN FIELDS TO PRE-CONSTRUCTION SOIL STRATIFICATION AND TO PRE-CONSTRUCTION ELEVATIONS.

[ ] DEPENDING ON THE TIME OF YEAR AND WEATHER CONDITIONS, CONSIDER USING PLATES/MATS IN WETLANDS OR CROSSING DITCHES.

[ ] STOCKPILE MATERIALS SHALL BE PLACED UPSLOPE FROM EXCAVATION. IF STOCKPILE MATERIALS MUST BE PLACED DOWNSLOPE OF EXCAVATION, PROTECT STOCKPILES WITH 12" WATTLES.

[ ] PROJECT SPECIFIC EROSION CONTROL NOTES:



WR 4103103

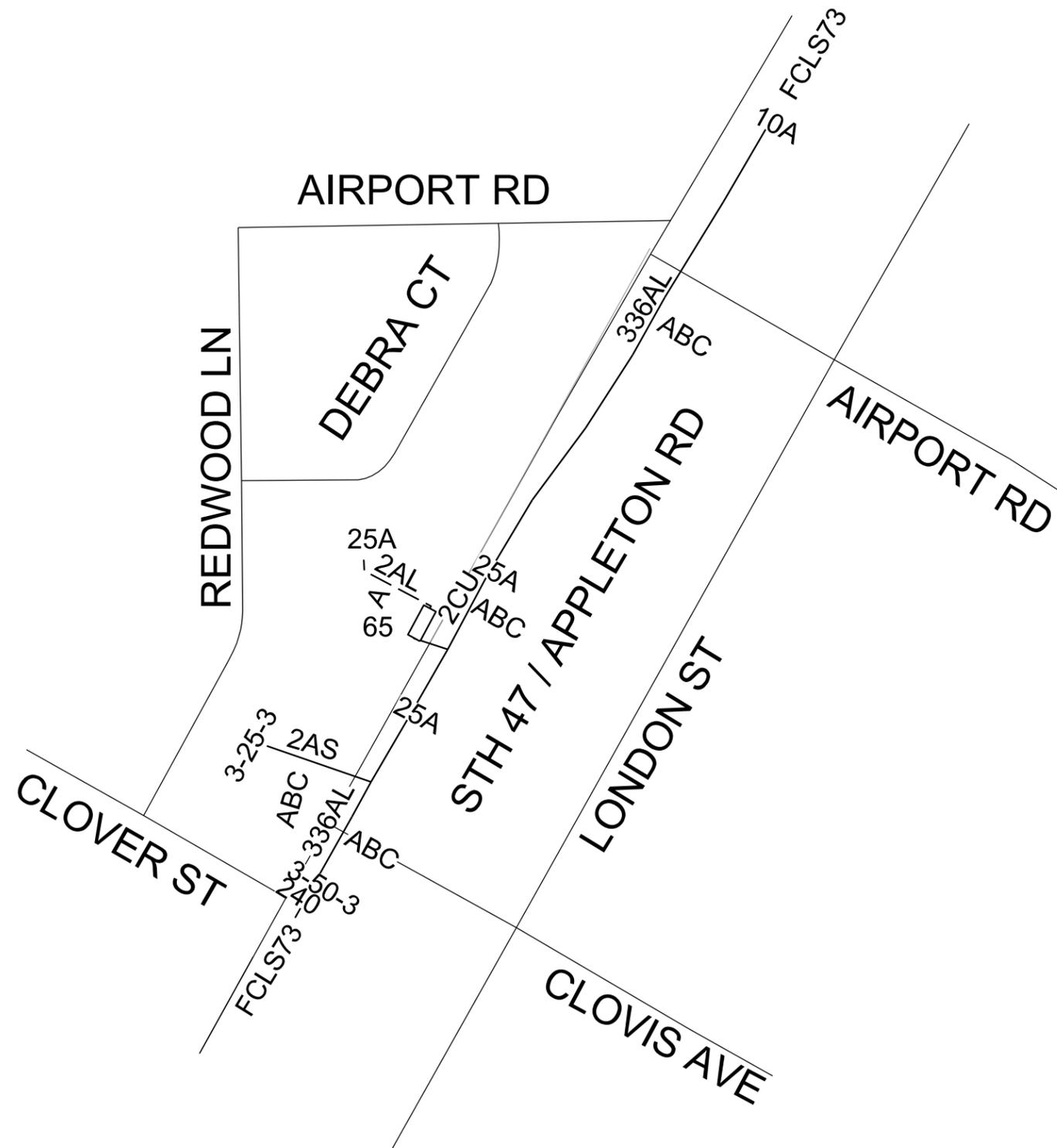
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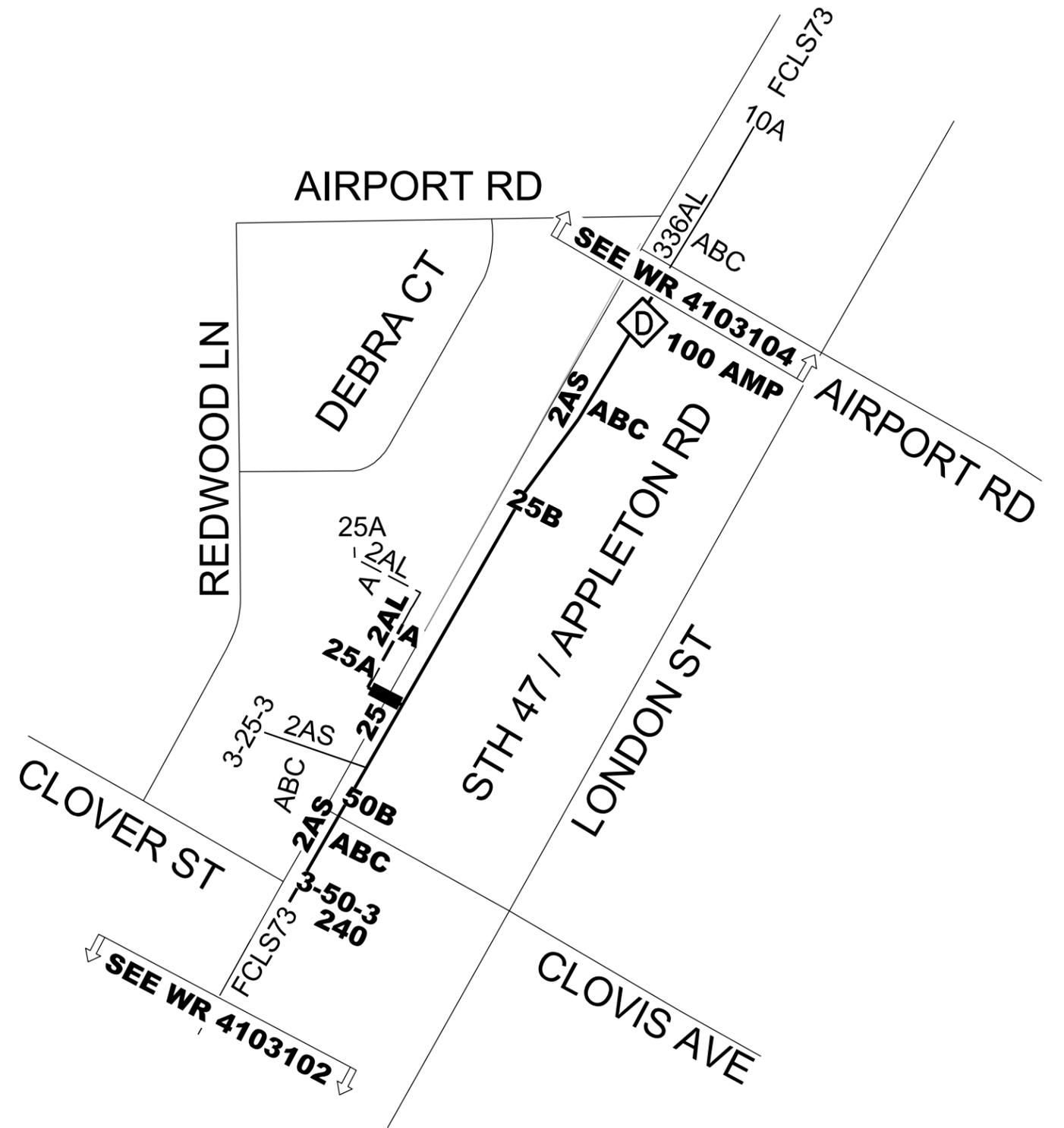
U:\Data\@Work Management\Fox Valley Major Projects\FVMP 4100000 - 4119999\4103103 Town of Menasha (City Limits)\4103103.dgn



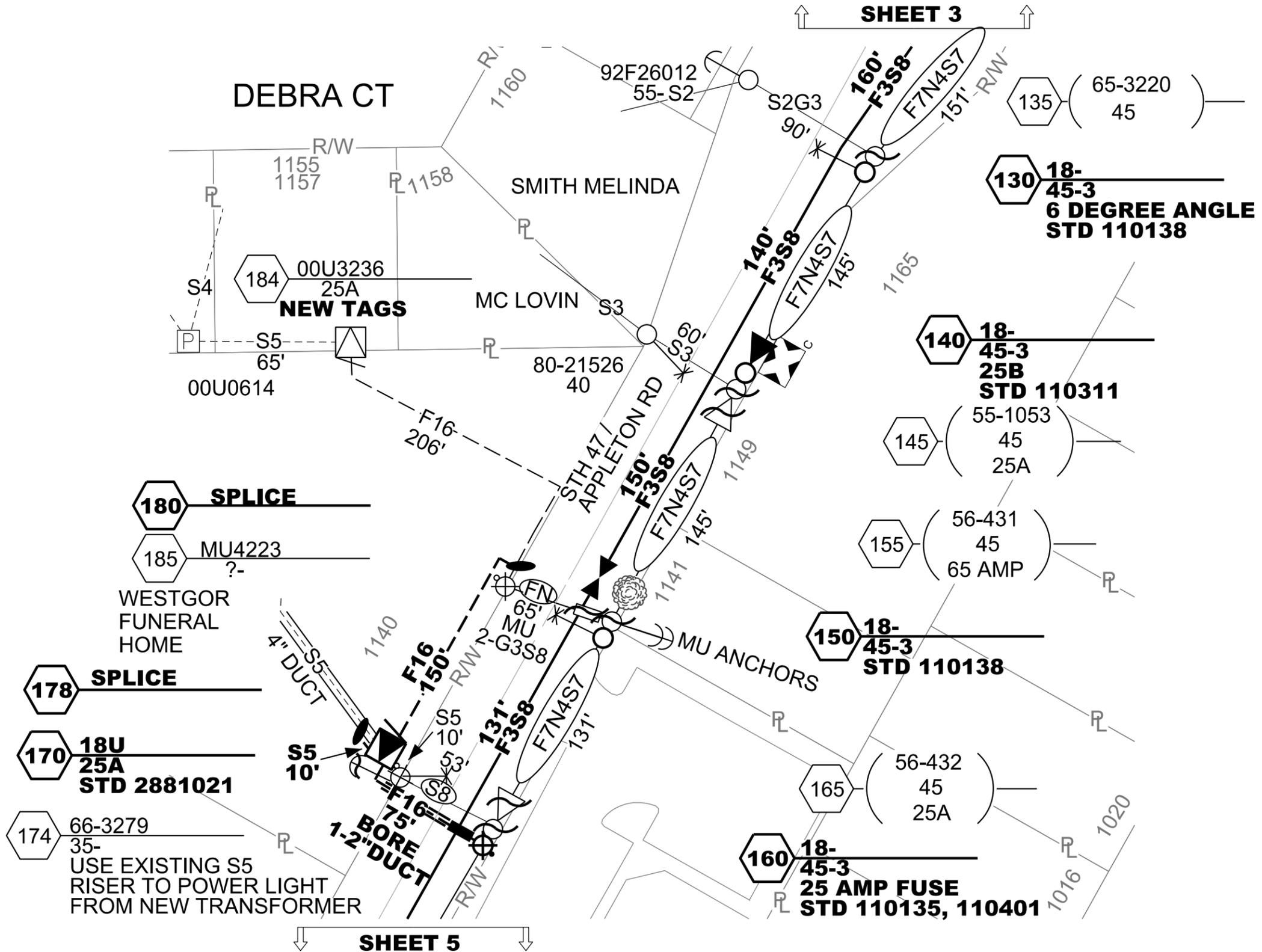
EXISTING FEEDER FCLS73



PROPOSED FEEDER FCLS73



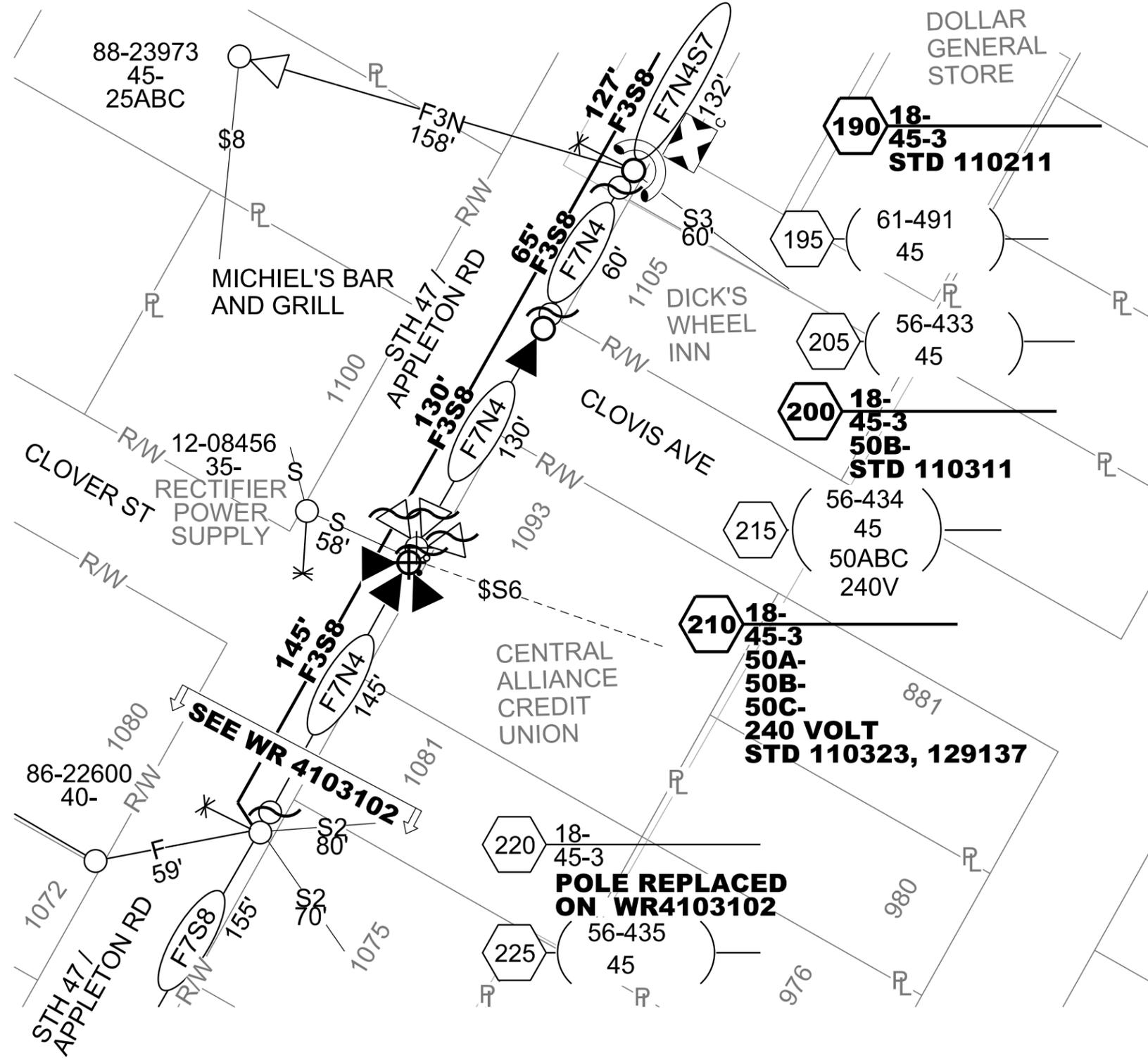




Note: Crossing is approximately 225' North of Clovis Ave.



SHEET 4



SEE WR 4103102



4103103

140

MANUFACTURER: \_\_\_\_\_  
 KVA: \_\_\_\_\_ 25 \_\_\_\_\_  
 VOLTAGE: \_\_\_\_\_ 120/240 \_\_\_\_\_  
 LOCATION ID: \_\_\_\_\_ 18- \_\_\_\_\_  
 PHASE: \_\_\_\_\_ B \_\_\_\_\_  
 FLUID TYPE: \_\_\_\_\_  
 DESIGN IZ: \_\_\_\_\_  
 SERIAL: \_\_\_\_\_  
 MATERIAL #: \_\_\_\_\_

**FOR SOC USE ONLY**  
 WE ENERGIES EQUIPMENT ENERGIZED  Y  N  
 Customer EQUIPMENT ENERGIZED  Y  N EDC: \_\_\_\_\_  
 SWITCHED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_

210

MANUFACTURER: \_\_\_\_\_  
 KVA: \_\_\_\_\_ 50 \_\_\_\_\_  
 VOLTAGE: \_\_\_\_\_ 240 \_\_\_\_\_  
 LOCATION ID: \_\_\_\_\_ 18- \_\_\_\_\_  
 PHASE: \_\_\_\_\_ A \_\_\_\_\_  
 FLUID TYPE: \_\_\_\_\_  
 DESIGN IZ: \_\_\_\_\_  
 SERIAL: \_\_\_\_\_  
 MATERIAL #: \_\_\_\_\_

**FOR SOC USE ONLY**  
 WE ENERGIES EQUIPMENT ENERGIZED  Y  N  
 Customer EQUIPMENT ENERGIZED  Y  N EDC: \_\_\_\_\_  
 SWITCHED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_



MANUFACTURER: \_\_\_\_\_  
 KVA: \_\_\_\_\_  
 VOLTAGE: \_\_\_\_\_  
 LOCATION ID: \_\_\_\_\_  
 PHASE: \_\_\_\_\_  
 FLUID TYPE: \_\_\_\_\_  
 DESIGN IZ: \_\_\_\_\_  
 SERIAL: \_\_\_\_\_  
 MATERIAL #: \_\_\_\_\_

**FOR SOC USE ONLY**  
 WE ENERGIES EQUIPMENT ENERGIZED  Y  N  
 Customer EQUIPMENT ENERGIZED  Y  N EDC: \_\_\_\_\_  
 SWITCHED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_

170

MANUFACTURER: \_\_\_\_\_  
 KVA: \_\_\_\_\_ 25 \_\_\_\_\_  
 VOLTAGE: \_\_\_\_\_ 120/240 \_\_\_\_\_  
 LOCATION ID: \_\_\_\_\_ 18U \_\_\_\_\_  
 PHASE: \_\_\_\_\_ A \_\_\_\_\_  
 FLUID TYPE: \_\_\_\_\_  
 DESIGN IZ: \_\_\_\_\_  
 SERIAL: \_\_\_\_\_  
 MATERIAL #: \_\_\_\_\_

**FOR SOC USE ONLY**  
 WE ENERGIES EQUIPMENT ENERGIZED  Y  N  
 Customer EQUIPMENT ENERGIZED  Y  N EDC: \_\_\_\_\_  
 SWITCHED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_

210

MANUFACTURER: \_\_\_\_\_  
 KVA: \_\_\_\_\_ 50 \_\_\_\_\_  
 VOLTAGE: \_\_\_\_\_ 240 \_\_\_\_\_  
 LOCATION ID: \_\_\_\_\_ 18- \_\_\_\_\_  
 PHASE: \_\_\_\_\_ B \_\_\_\_\_  
 FLUID TYPE: \_\_\_\_\_  
 DESIGN IZ: \_\_\_\_\_  
 SERIAL: \_\_\_\_\_  
 MATERIAL #: \_\_\_\_\_

**FOR SOC USE ONLY**  
 WE ENERGIES EQUIPMENT ENERGIZED  Y  N  
 Customer EQUIPMENT ENERGIZED  Y  N EDC: \_\_\_\_\_  
 SWITCHED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_



MANUFACTURER: \_\_\_\_\_  
 KVA: \_\_\_\_\_  
 VOLTAGE: \_\_\_\_\_  
 LOCATION ID: \_\_\_\_\_  
 PHASE: \_\_\_\_\_  
 FLUID TYPE: \_\_\_\_\_  
 DESIGN IZ: \_\_\_\_\_  
 SERIAL: \_\_\_\_\_  
 MATERIAL #: \_\_\_\_\_

**FOR SOC USE ONLY**  
 WE ENERGIES EQUIPMENT ENERGIZED  Y  N  
 Customer EQUIPMENT ENERGIZED  Y  N EDC: \_\_\_\_\_  
 SWITCHED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_

200

MANUFACTURER: \_\_\_\_\_  
 KVA: \_\_\_\_\_ 50 \_\_\_\_\_  
 VOLTAGE: \_\_\_\_\_ 120/240 \_\_\_\_\_  
 LOCATION ID: \_\_\_\_\_ 18- \_\_\_\_\_  
 PHASE: \_\_\_\_\_ B \_\_\_\_\_  
 FLUID TYPE: \_\_\_\_\_  
 DESIGN IZ: \_\_\_\_\_  
 SERIAL: \_\_\_\_\_  
 MATERIAL #: \_\_\_\_\_

**FOR SOC USE ONLY**  
 WE ENERGIES EQUIPMENT ENERGIZED  Y  N  
 Customer EQUIPMENT ENERGIZED  Y  N EDC: \_\_\_\_\_  
 SWITCHED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_

210

MANUFACTURER: \_\_\_\_\_  
 KVA: \_\_\_\_\_ 50 \_\_\_\_\_  
 VOLTAGE: \_\_\_\_\_ 240 \_\_\_\_\_  
 LOCATION ID: \_\_\_\_\_ 18- \_\_\_\_\_  
 PHASE: \_\_\_\_\_ C \_\_\_\_\_  
 FLUID TYPE: \_\_\_\_\_  
 DESIGN IZ: \_\_\_\_\_  
 SERIAL: \_\_\_\_\_  
 MATERIAL #: \_\_\_\_\_

**FOR SOC USE ONLY**  
 WE ENERGIES EQUIPMENT ENERGIZED  Y  N  
 Customer EQUIPMENT ENERGIZED  Y  N EDC: \_\_\_\_\_  
 SWITCHED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_



MANUFACTURER: \_\_\_\_\_  
 KVA: \_\_\_\_\_  
 VOLTAGE: \_\_\_\_\_  
 LOCATION ID: \_\_\_\_\_  
 PHASE: \_\_\_\_\_  
 FLUID TYPE: \_\_\_\_\_  
 DESIGN IZ: \_\_\_\_\_  
 SERIAL: \_\_\_\_\_  
 MATERIAL #: \_\_\_\_\_

**FOR SOC USE ONLY**  
 WE ENERGIES EQUIPMENT ENERGIZED  Y  N  
 Customer EQUIPMENT ENERGIZED  Y  N EDC: \_\_\_\_\_  
 SWITCHED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_



C  T  V: MENASHA
CUST/PROJ NAME: CLS73 RELIABILITY IMPROVEMENT
PROJECT LOCATION: 886 AIRPORT RD

PREPARED BY: JIM QUINN
E-MAIL: JAMES.QUINN@WE-ENERGIES.COM
OFFICE #: CELL #: 618-920-5772
PROJECT ID: FV18006 IO #: 52458
OPERATING MAPS: 3852-8972-02
EXISTING FEEDER: FCLS73
PROPOSED FEEDER: FCLS73
T-R-S - 1/4Q: 2017E 11NW CGS#:

TYPE OF WORK:
[ ] CONVERSION kV to kV
[ ] CABLE REPLACEMENT [ ] FEEDER CUT
[ ] PAVING RELOCATION [ ] REBUILD
[X] OTHER SYSTEM IMPROVEMENT

STAKING REQUIREMENTS:
[X] SURVEYOR [ ] STAKED
[ ] DESIGNER [ ] NOT NEEDED
RESTORE PRIVATE PROPERTY:
[X] YES [ ] NO

JU COMPANY ATT
PROJECT #: 2017-001961 WILL TRANSFER THEIR OWN
CONSTRUCTION CONTACT:
PHONE # , CELL #
EMAIL

JU COMPANY SPECTRUM
PROJECT #: THEY WILL TRANSFER
CONSTRUCTION CONTACT: VINCE ALBIN
PHONE # 920-831-9249 CELL #
EMAIL

JU COMPANY MENASHA UTILITIES
PROJECT #:
CONSTRUCTION CONTACT: GREG SHULL
PHONE # 920-967-3422 CELL #
EMAIL

RAILROAD PERMITTING/FLAGGING REQUIRED [ ] YES [X] NO
RR NAME

[ ] THIS IS A JUMPP PROJECT [X] THIS IS NOT A JUMPP PROJECT

[X] ROW TO OBTAIN EASEMENT / ADD EASEMENT. SURVEYOR TO STAKE C/L AND MARK WIDTH OF EASEMENT ON STAKE.

[ ] ROW TO CONTACT CST/DESIGNER FOR EASEMENT REQ'S.

[ ] NO NEW EASEMENTS REQUIRED

EROSION CONTROL NOTES

[X] IF DISTURBANCE OCCURS IN SUMMER, FINAL STABILIZATION SHALL BE PERMANENT SEED AND PROPERLY ANCHORED MULCH, UNLESS NOTED. IF DISTURBANCE OCCURS IN WINTER, TEMPORARY STABILIZATION SHALL BE SOIL STABILIZER, TYPE A, UNLESS NOTED. FINAL STABILIZATION IS REQUIRED IN SPRING.

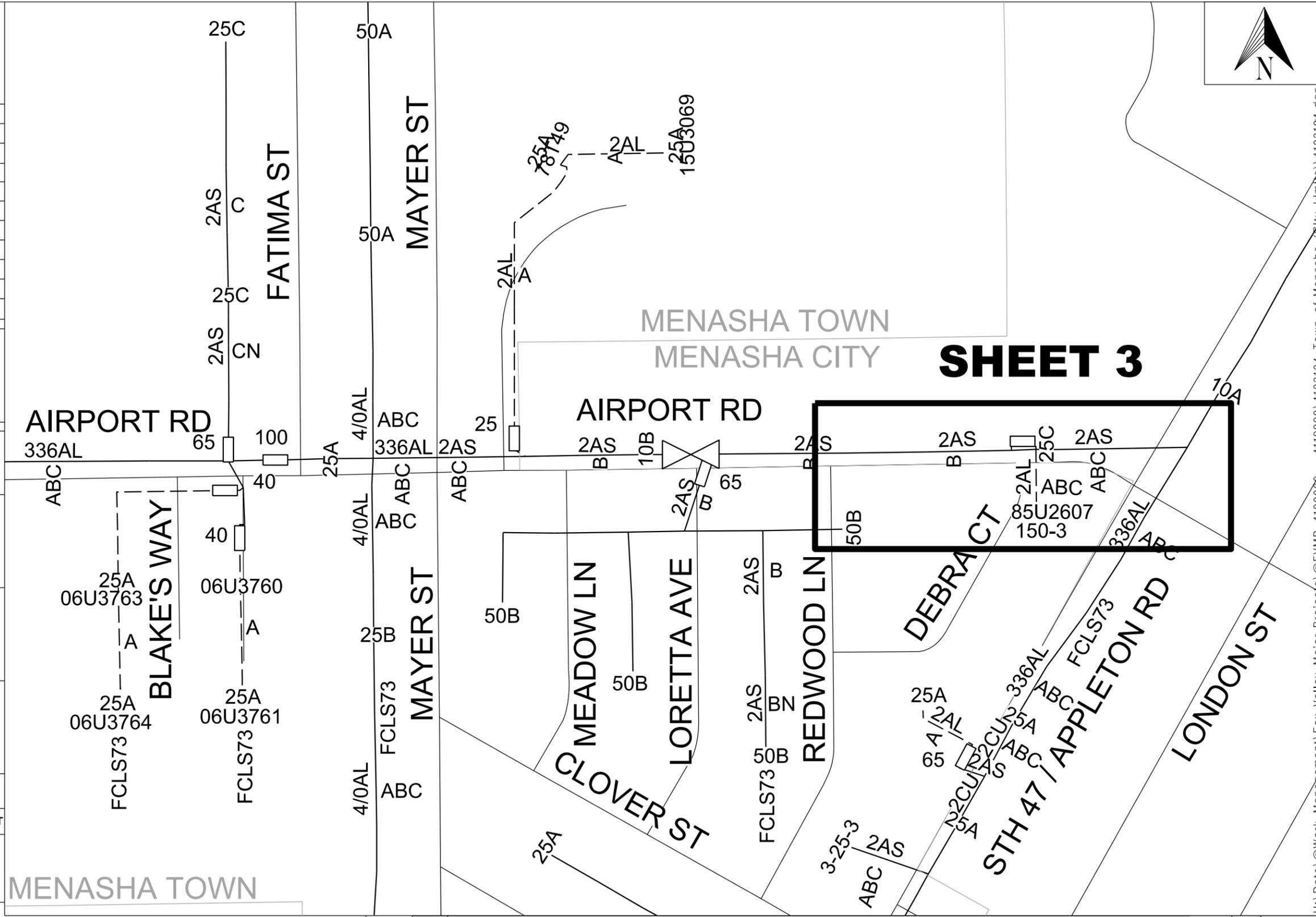
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[ ] STOCKPILE MATERIALS SHALL BE PLACED UPSLOPE FROM EXCAVATION. IF STOCKPILE MATERIALS MUST BE PLACED DOWNSLOPE OF EXCAVATION, PROTECT STOCKPILES WITH 12" WATTLES.

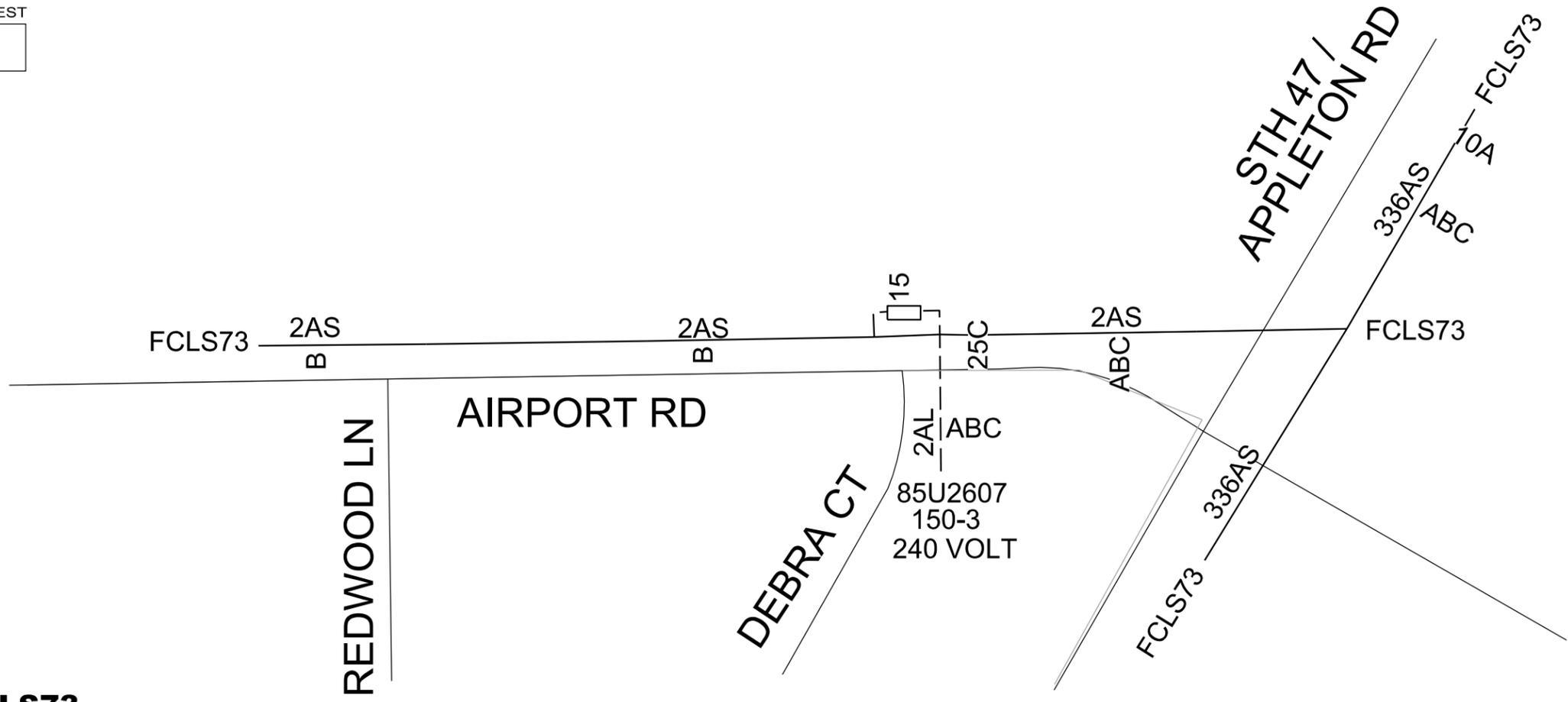
[ ] PROJECT SPECIFIC EROSION CONTROL NOTES:



WR 4103104

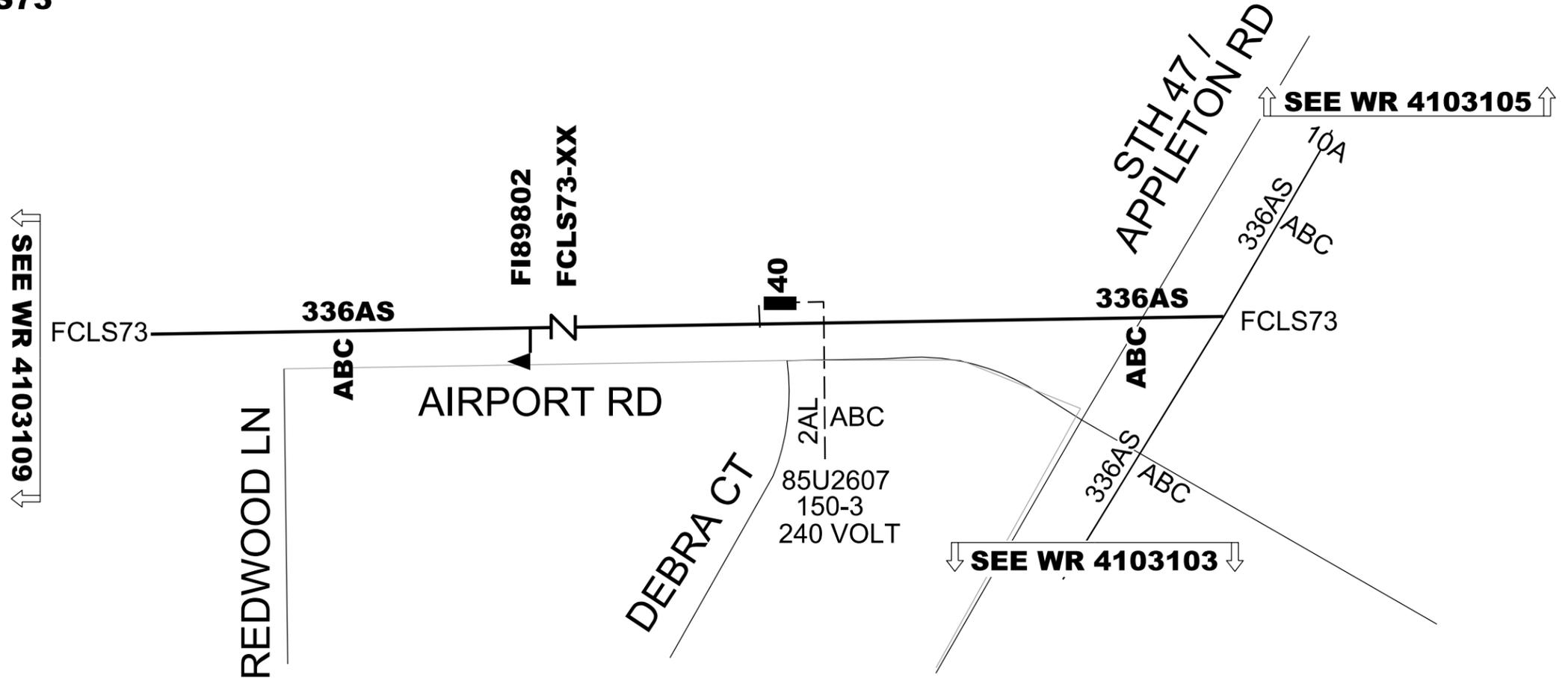
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**EXISTING FEEDER FCL S73**

**PROPOSED FEEDER FCL S73**







ELECTRIC WORK REQUEST

4103105

C  T  V: MENASHA
CUST/PROJ NAME: CLS73 RELIABILITY IMPROVEMENT
PROJECT LOCATION: 1295 STH 47/ APPLETON RD

PREPARED BY: JIM QUINN
E-MAIL: JAMES.QUINN@WE-ENERGIES.COM
OFFICE #: CELL #: 618-920-5772
PROJECT ID: FV18006 IO #: 52458
OPERATING MAPS: 3852-8972-02
EXISTING FEEDER: FCLS73
PROPOSED FEEDER: FCLS73
T-R-S - 1/4Q: 2017E 11NW CGS#:

TYPE OF WORK:
[ ] CONVERSION kV to kV
[ ] CABLE REPLACEMENT [ ] FEEDER CUT
[ ] PAVING RELOCATION [ ] REBUILD
[X] OTHER SYSTEM IMPROVEMENT

STAKING REQUIREMENTS:
[X] SURVEYOR [ ] STAKED
[ ] DESIGNER [ ] NOT NEEDED
RESTORE PRIVATE PROPERTY:
[X] YES [ ] NO

JU COMPANY ATT
PROJECT #: 2017-001961 WILL TRANSFER THEIR OWN
CONSTRUCTION CONTACT:
PHONE # , CELL #
EMAIL

JU COMPANY SPECTRUM
PROJECT #: THEY WILL TRANSFER
CONSTRUCTION CONTACT: VINCE ALBIN
PHONE # 920-831-9249 CELL #
EMAIL

JU COMPANY MENASHA UTILITIES
PROJECT #:
CONSTRUCTION CONTACT: GREG SHULL
PHONE # 920-967-3422 CELL #
EMAIL

RAILROAD PERMITTING/FLAGGING REQUIRED [ ] YES [X] NO

RR NAME

[ ] THIS IS A JUMPP PROJECT [X] THIS IS NOT A JUMPP PROJECT

[X] ROW TO OBTAIN EASEMENT / ADD EASEMENT. SURVEYOR TO STAKE C/L AND MARK WIDTH OF EASEMENT ON STAKE.

[ ] ROW TO CONTACT CST/DESIGNER FOR EASEMENT REQ'S.

[ ] NO NEW EASEMENTS REQUIRED

EROSION CONTROL NOTES

[X] IF DISTURBANCE OCCURS IN SUMMER, FINAL STABILIZATION SHALL BE PERMANENT SEED AND PROPERLY ANCHORED MULCH, UNLESS NOTED. IF DISTURBANCE OCCURS IN WINTER, TEMPORARY STABILIZATION SHALL BE SOIL STABILIZER, TYPE A, UNLESS NOTED. FINAL STABILIZATION IS REQUIRED IN SPRING.

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[ ] PROJECT SPECIFIC EROSION CONTROL NOTES:

MENASHA TOWN

WITTMANN DR



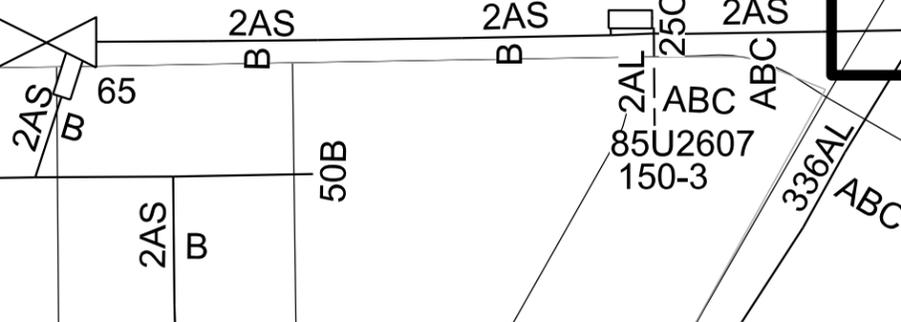
1503069

SHEET 3

SHEET 4

MENASHA TOWN
MENASHA CITY

AIRPORT RD



WR 4103105

Table with 4 columns: REV., DESCRIPTION, BY, DATE. Contains 5 revision entries.

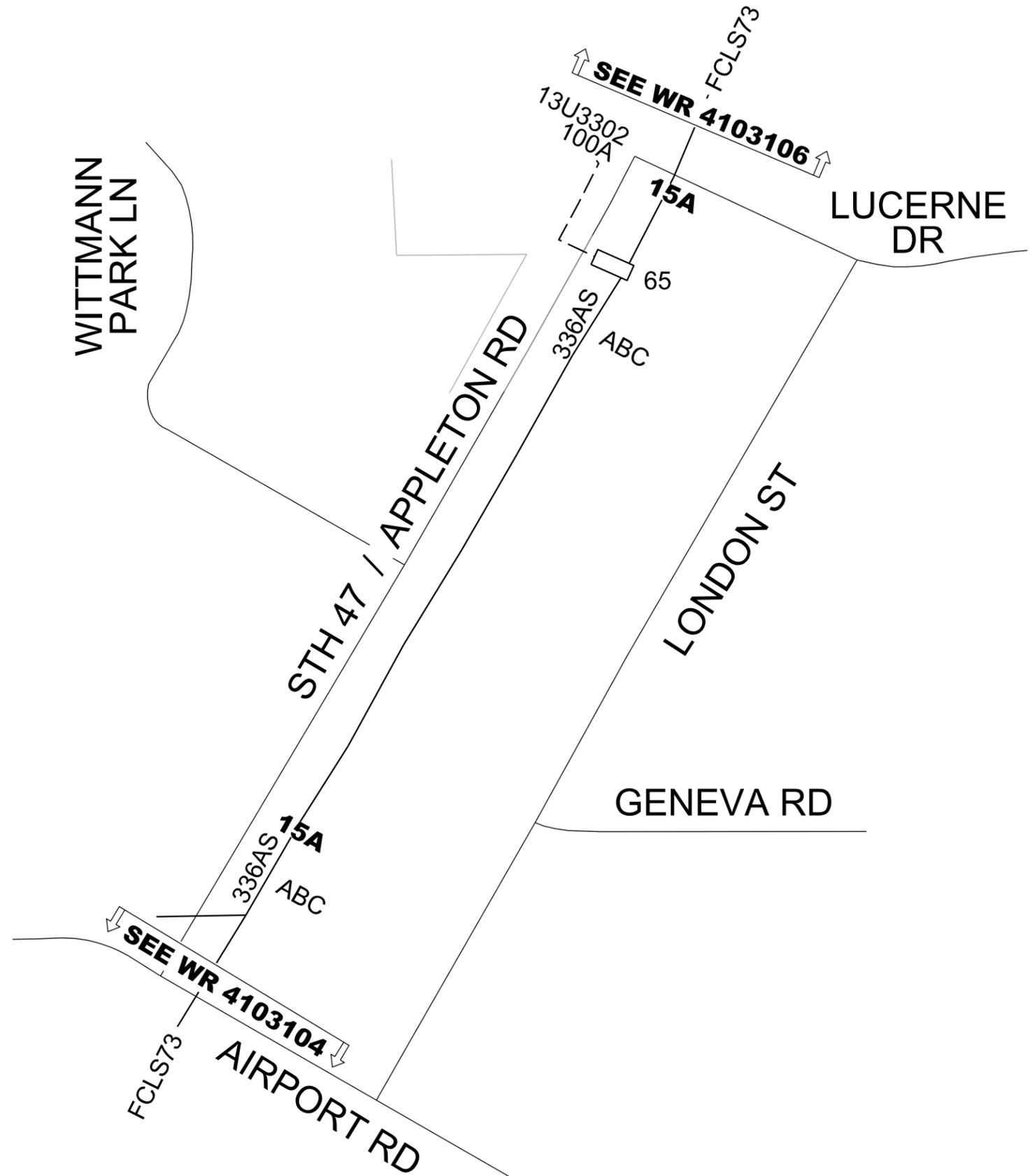
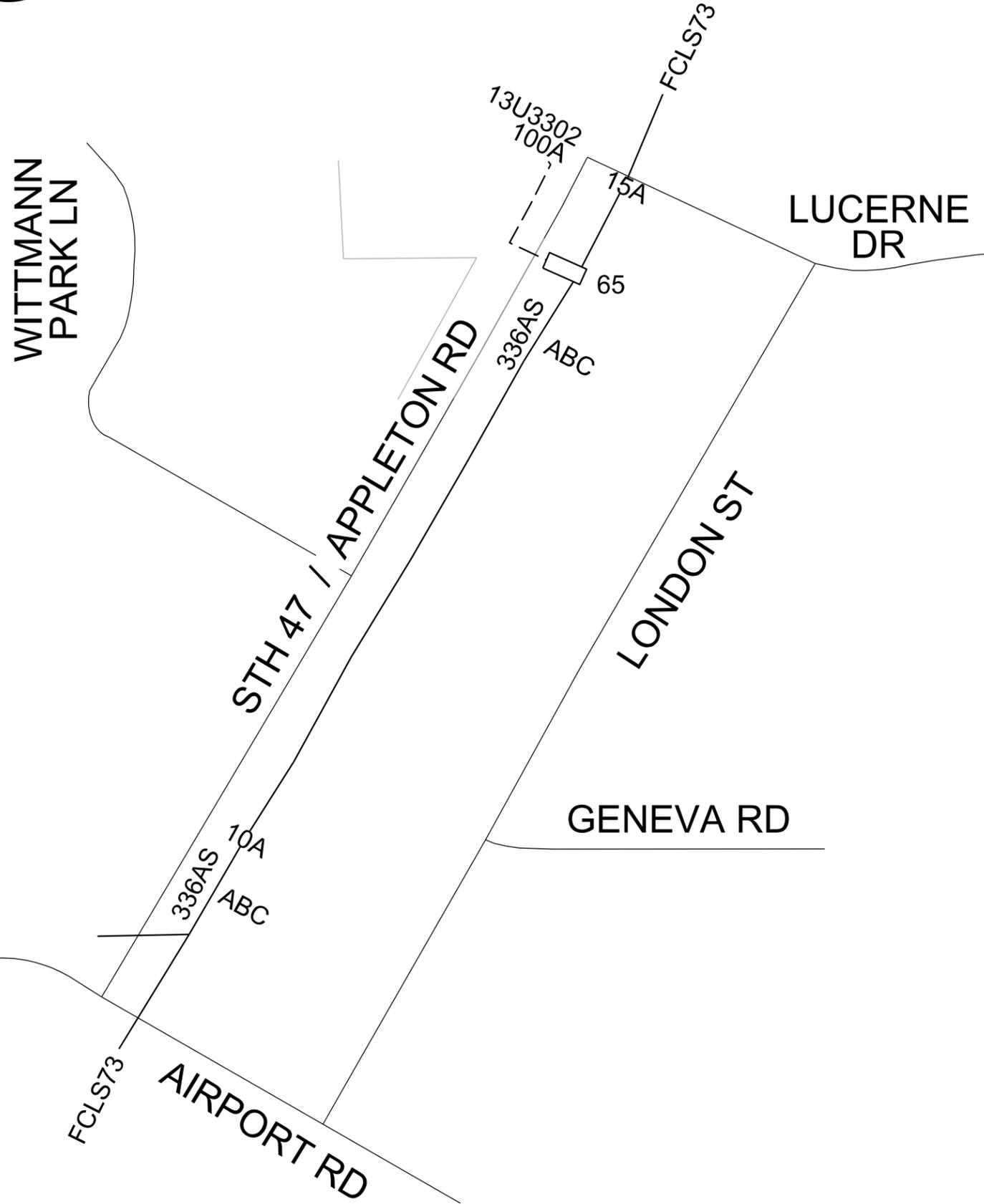
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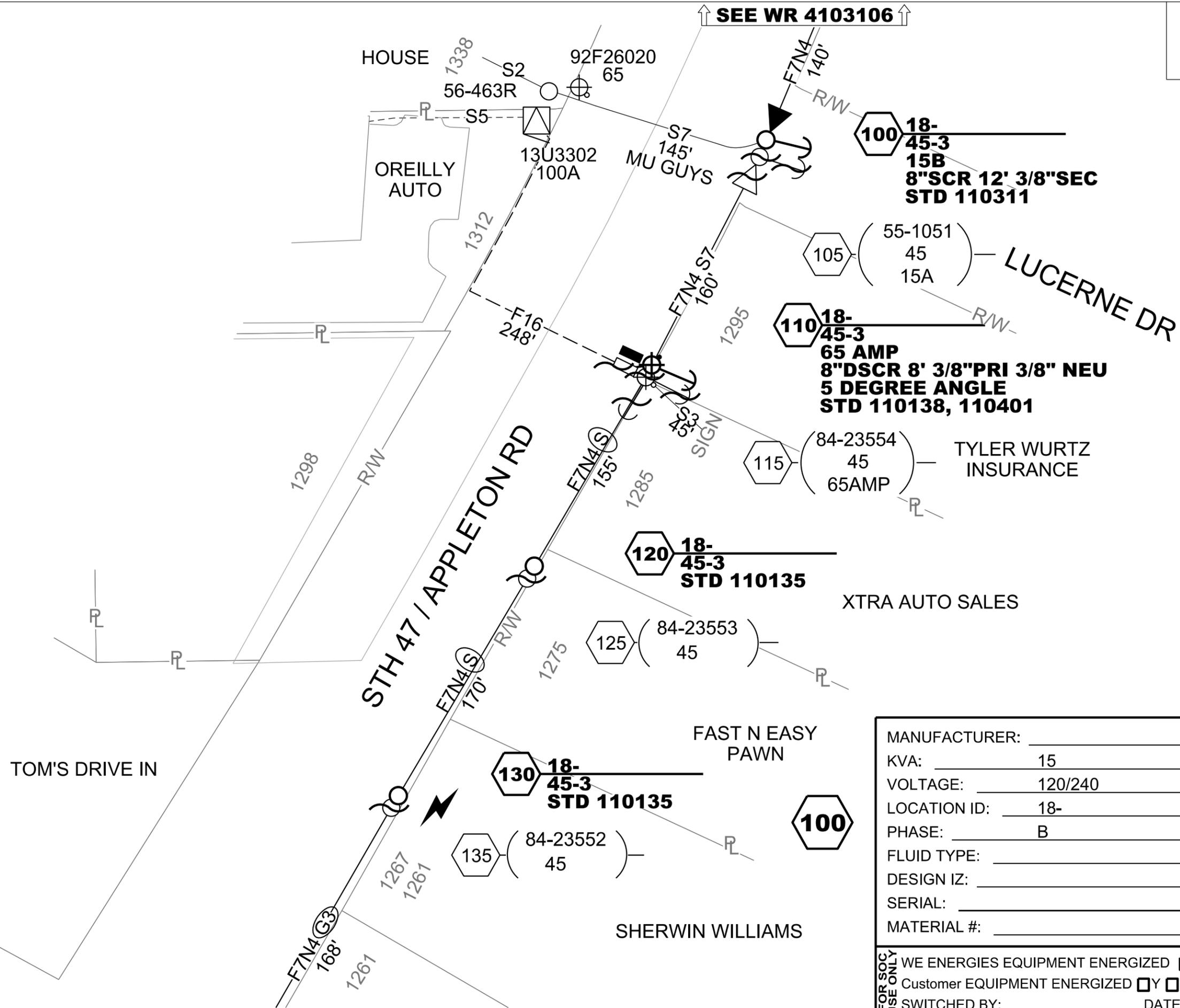
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EXISTING FEEDER FCLS73

PROPOSED FEEDER FCLS73





MANUFACTURER:	_____
KVA:	15
VOLTAGE:	120/240
LOCATION ID:	18-_____
PHASE:	B
FLUID TYPE:	_____
DESIGN IZ:	_____
SERIAL:	_____
MATERIAL #:	_____

**FOR SOC USE ONLY**

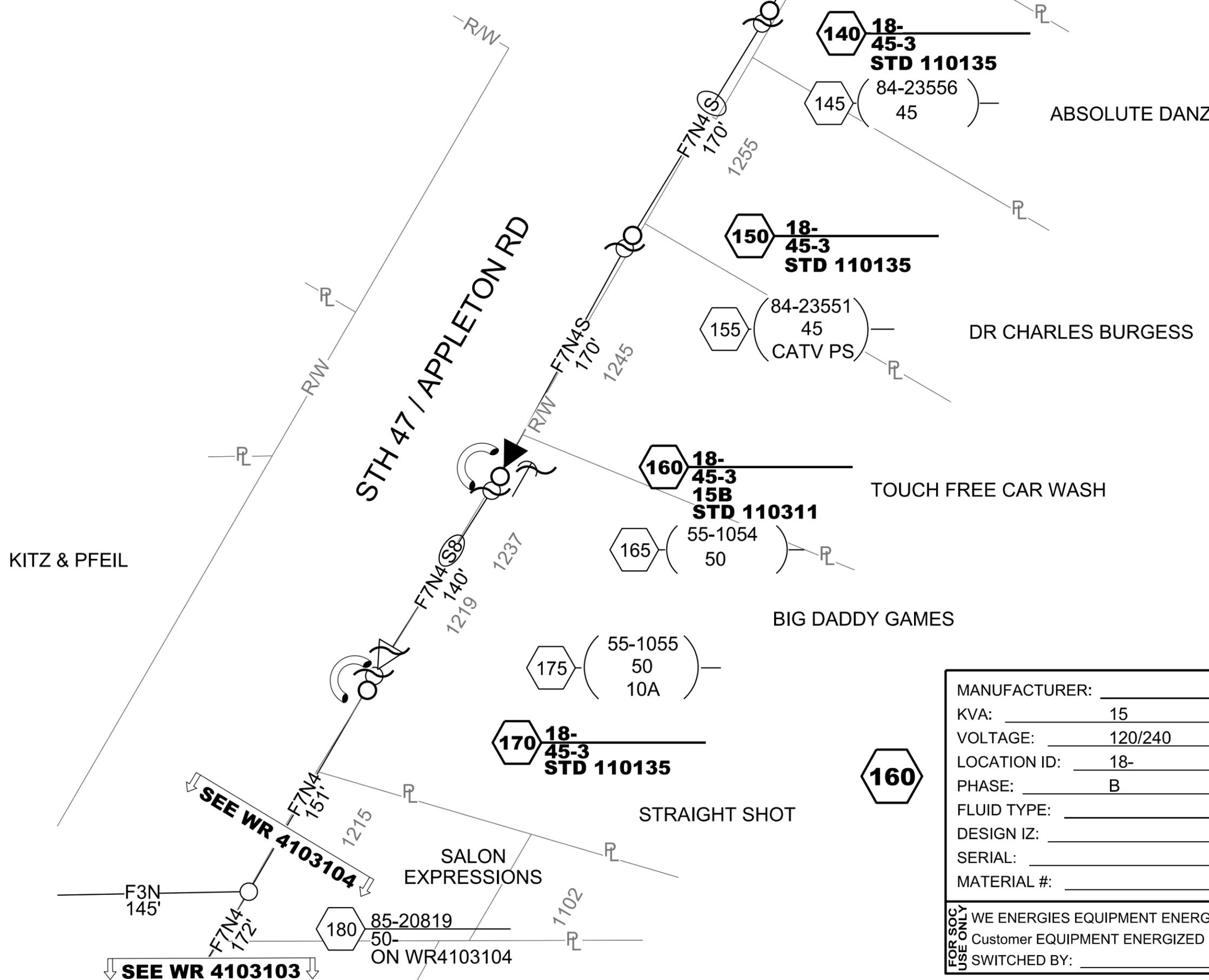
WE ENERGIES EQUIPMENT ENERGIZED  Y  N

Customer EQUIPMENT ENERGIZED  Y  N EDC: \_\_\_\_\_

SWITCHED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_



SHEET 3



MANUFACTURER:	_____
KVA:	15
VOLTAGE:	120/240
LOCATION ID:	18-
PHASE:	B
FLUID TYPE:	_____
DESIGN IZ:	_____
SERIAL:	_____
MATERIAL #:	_____
FOR SOU USE ONLY	WE ENERGIES EQUIPMENT ENERGIZED <input type="checkbox"/> Y <input type="checkbox"/> N
	Customer EQUIPMENT ENERGIZED <input type="checkbox"/> Y <input type="checkbox"/> N EDC: _____
	SWITCHED BY: _____ DATE/TIME: _____



ELECTRIC WORK REQUEST

4103106



C  T  V: MENASHA  
CUST/PROJ NAME: CLS73 RELIABILITY IMPROVEMENT  
PROJECT LOCATION: 1497 STH 47/ APPLETON RD

PREPARED BY: JIM QUINN  
E-MAIL: JAMES.QUINN@WE-ENERGIES.COM  
OFFICE #: \_\_\_\_\_ CELL #: 618-920-5772  
PROJECT ID: FV18006 IO #: 52458  
OPERATING MAPS: 3852-8972-02  
EXISTING FEEDER: FCLS73  
PROPOSED FEEDER: FCLS73  
T-R-S - ¼Q: 2017E 11NW CGS#: \_\_\_\_\_

TYPE OF WORK:  CONVERSION kV to kV  
 CABLE REPLACEMENT  FEEDER CUT  
 PAVING RELOCATION  REBUILD  
 OTHER SYSTEM IMPROVEMENT

STAKING REQUIREMENTS:  SURVEYOR  STAKED  
 DESIGNER  NOT NEEDED  
RESTORE PRIVATE PROPERTY:  YES  NO

JU COMPANY ATT  
PROJECT #: 2017-001961 THEY WILL TRANSFER  
CONSTRUCTION CONTACT:  
PHONE # \_\_\_\_\_, CELL # \_\_\_\_\_  
EMAIL \_\_\_\_\_

JU COMPANY SPECTRUM  
PROJECT #: THEY WILL TRANSFER  
CONSTRUCTION CONTACT: VINCE ALBIN  
PHONE # 920-831-9249 CELL # \_\_\_\_\_  
EMAIL \_\_\_\_\_

JU COMPANY MENASHA UTILITIES  
PROJECT #:  
CONSTRUCTION CONTACT: GREG SHULL  
PHONE # 920-967-3422 CELL # \_\_\_\_\_  
EMAIL \_\_\_\_\_

RAILROAD PERMITTING/FLAGGING REQUIRED  YES  NO

RR NAME

THIS IS A JUMPP PROJECT  THIS IS NOT A JUMPP PROJECT

ROW TO OBTAIN EASEMENT / ADD EASEMENT. SURVEYOR TO STAKE C/L AND MARK WIDTH OF EASEMENT ON STAKE.

ROW TO CONTACT CST/DESIGNER FOR EASEMENT REQ'S.

NO NEW EASEMENTS REQUIRED

**EROSION CONTROL NOTES**

IF DISTURBANCE OCCURS IN SUMMER, FINAL STABILIZATION SHALL BE PERMANENT SEED AND PROPERLY ANCHORED MULCH, UNLESS NOTED. IF DISTURBANCE OCCURS IN WINTER, TEMPORARY STABILIZATION SHALL BE SOIL STABILIZER, TYPE A, UNLESS NOTED. FINAL STABILIZATION IS REQUIRED IN SPRING.

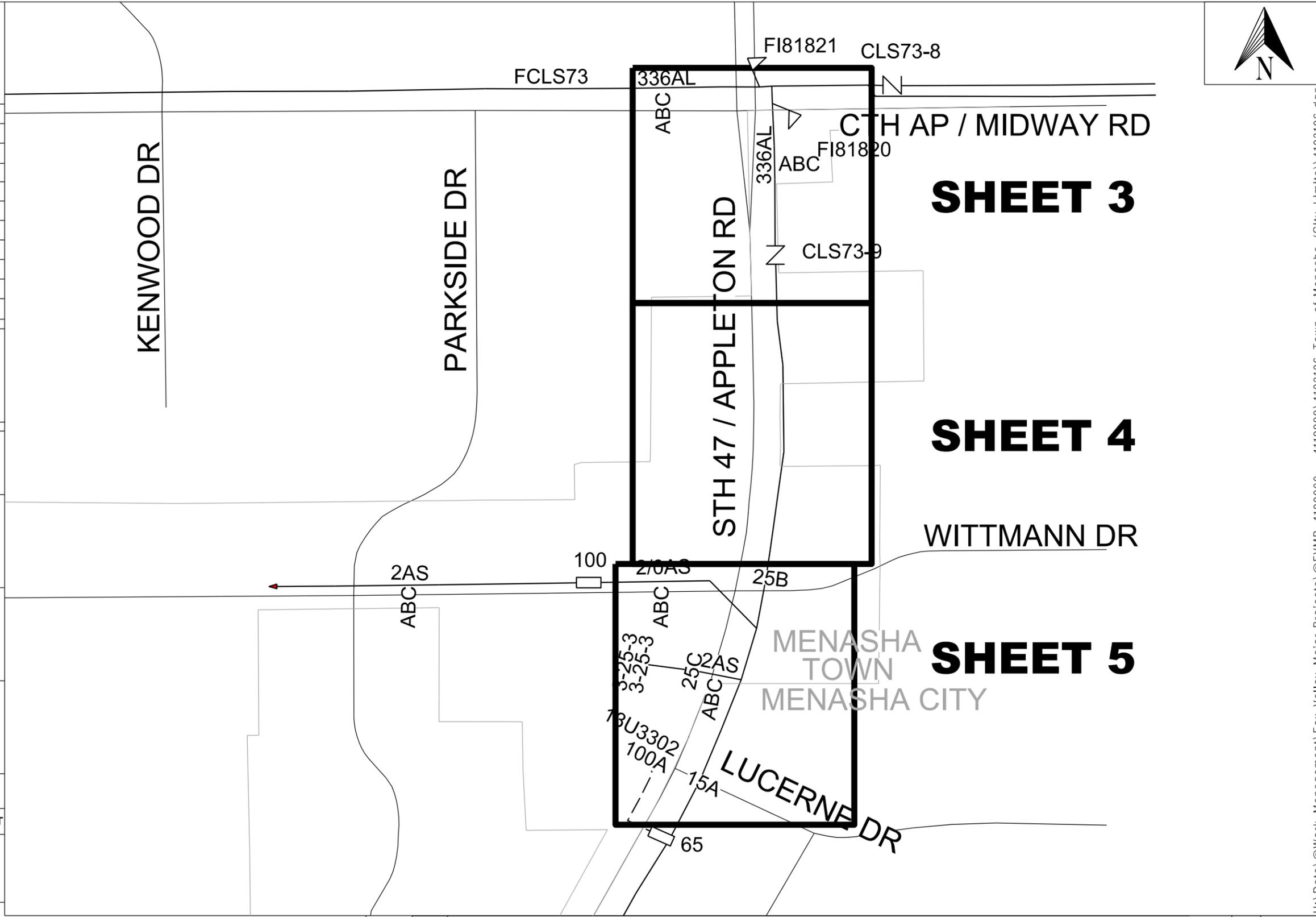
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IF DISTURBANCE OCCURS IN AGRICULTURAL FIELDS, SOIL SEGREGATION WILL NEED TO TAKE PLACE TO RETURN FIELDS TO PRE-CONSTRUCTION SOIL STRATIFICATION AND TO PRE-CONSTRUCTION ELEVATIONS.

DEPENDING ON THE TIME OF YEAR AND WEATHER CONDITIONS, CONSIDER USING PLATES/MATS IN WETLANDS OR CROSSING DITCHES.

STOCKPILE MATERIALS SHALL BE PLACED UPSLOPE FROM EXCAVATION. IF STOCKPILE MATERIALS MUST BE PLACED DOWNSLOPE OF EXCAVATION, PROTECT STOCKPILES WITH 12" WATTLES.

PROJECT SPECIFIC EROSION CONTROL NOTES:



WR 4103106

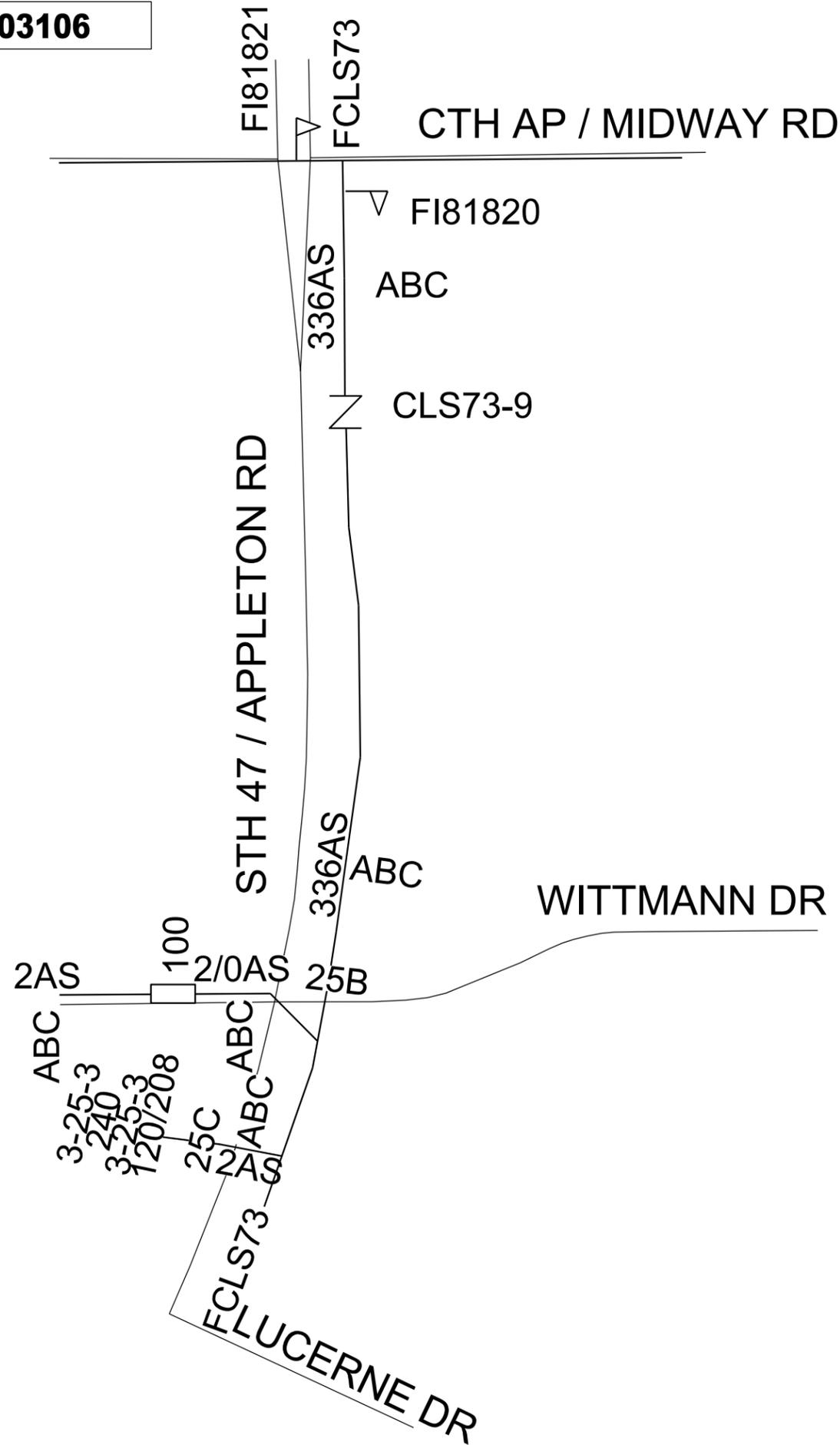
REV.	DESCRIPTION	BY	DATE
0	DESIGN APPROVED FOR CONSTRUCTION	JQ	10/31/17
1	ERROSION CONTROL ADDED	JQ	11/3/17
2	PROTECTION ADDED	JQ	11/7/17
3	JU - ATT AND SPECTRUM WILL TRANSFER - WORK WITH MU TO REMOVE FACILITIES NOT NEEDED	JQ	11/20/17

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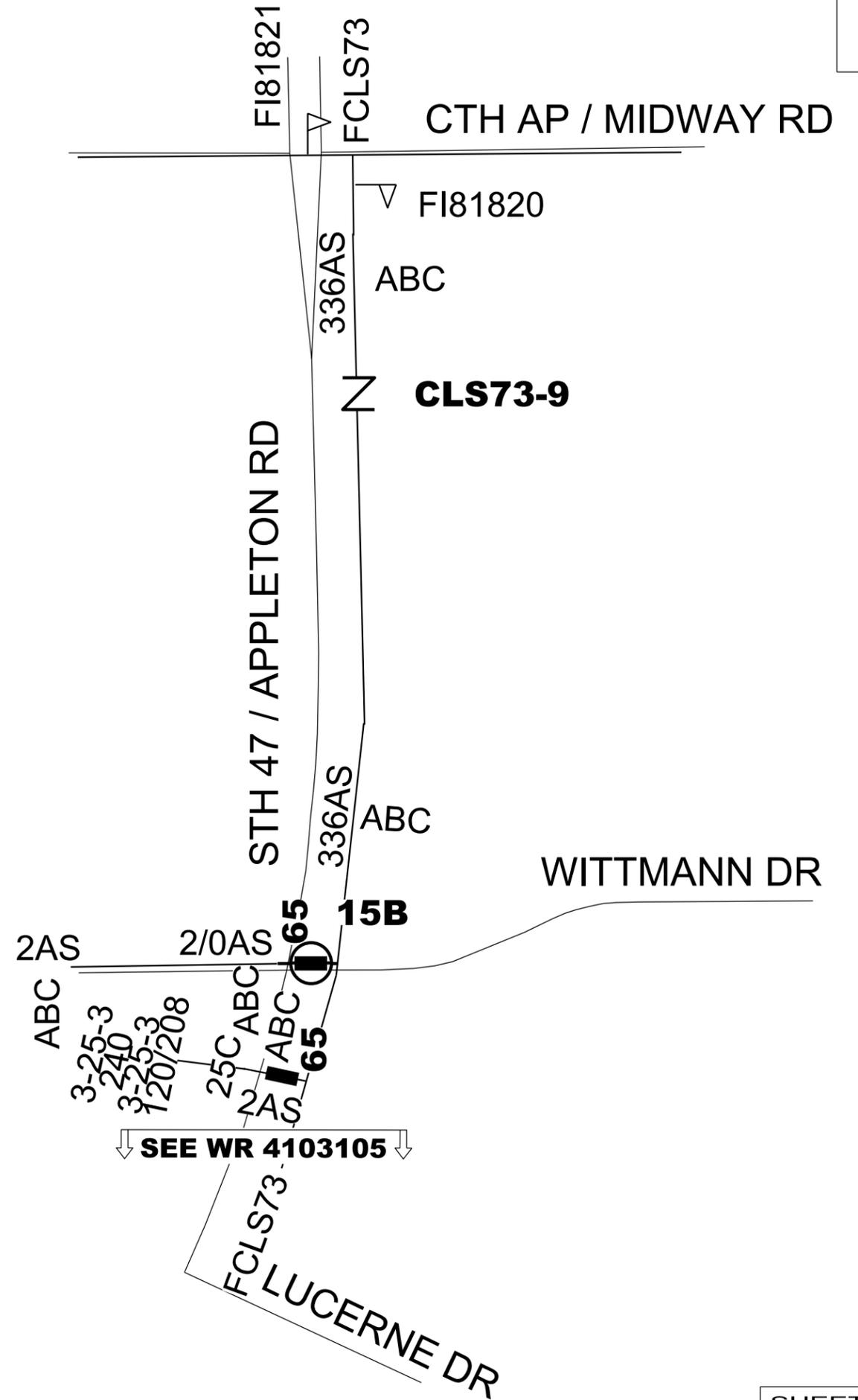
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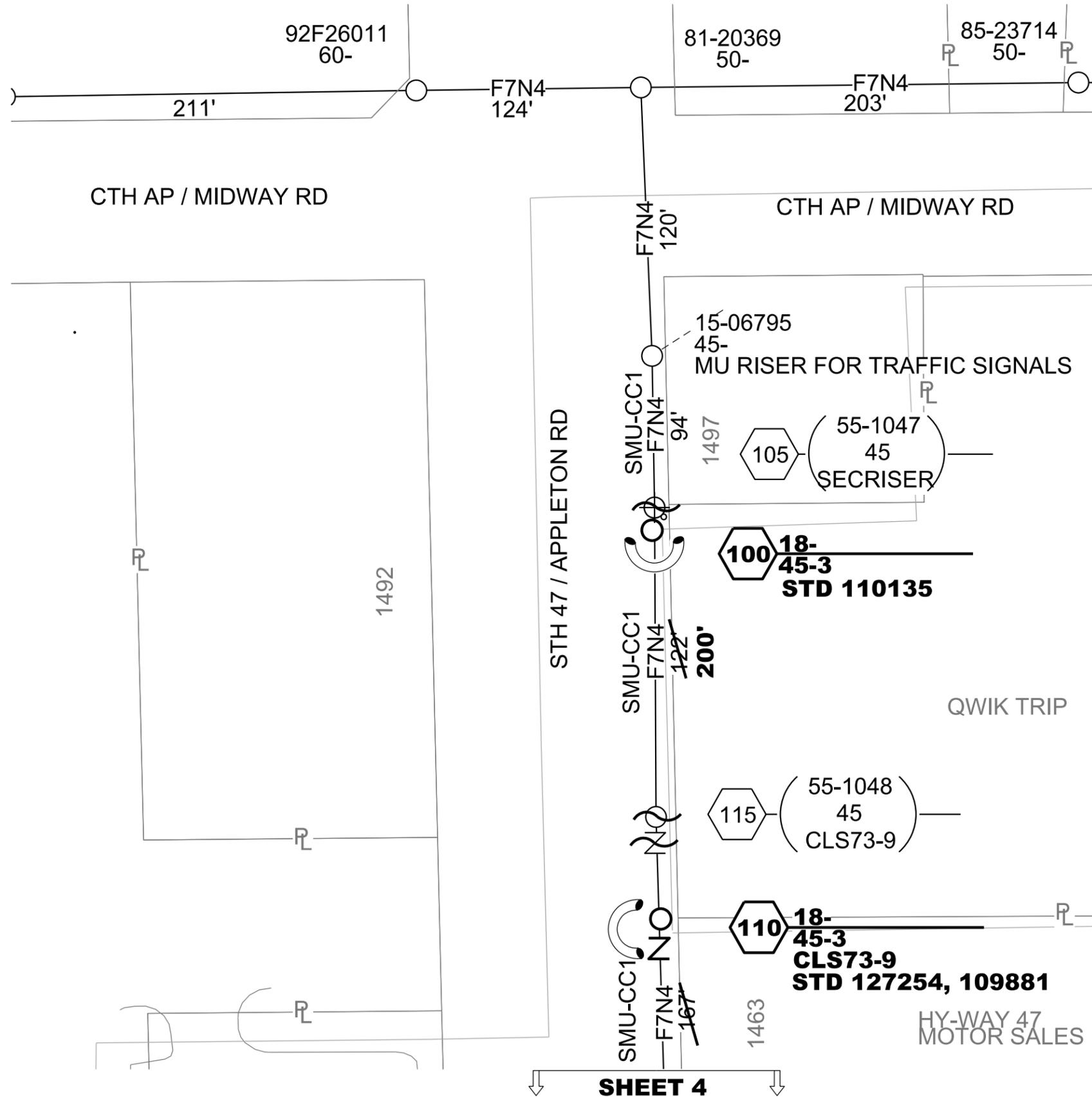


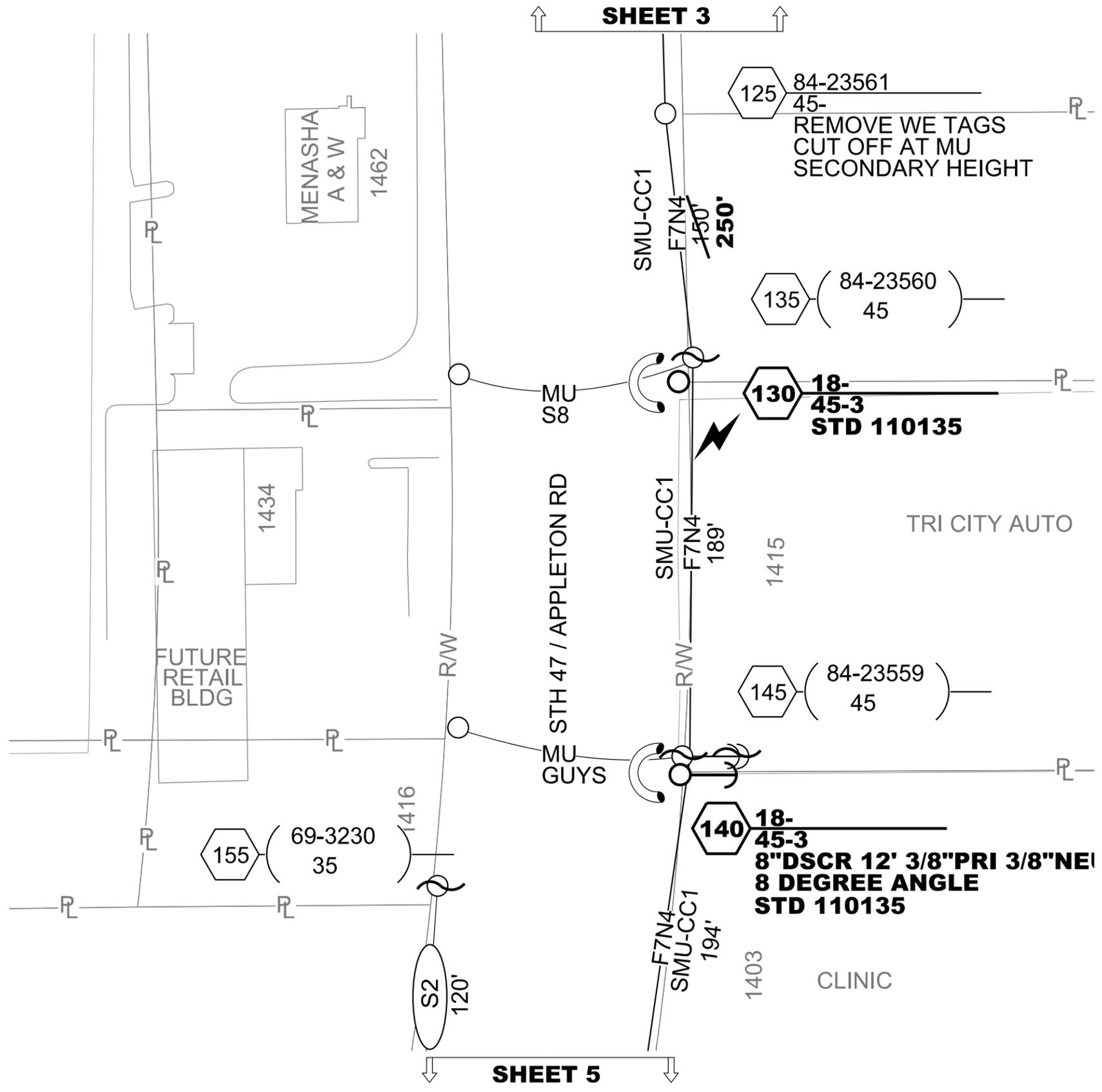
**EXISTING FEEDER FCLS73**



**PROPOSED FEEDER FCLS73**









**WE ENERGIES - ELECTRIC OPERATIONS**

UNLESS OTHERWISE NOTED IN THIS DOCUMENT, THE FOLLOWING NOTES APPLY:

- LOCATION OF OBSTRUCTIONS ARE FROM RECORDS AND MUST BE VERIFIED IN THE FIELD.
  - MAINTAIN 2' MIN. CLEARANCE BETWEEN OUTSIDE FACE OF MANHOLE & BELL OF PIPE.
  - THIS APPLIES TO GAS AND WATER MAINS.
  - MAINTAIN 2' MIN. VERTICAL CLEARANCE AT CROSSINGS OF SEWER OR WATER MAINS.
  - MAINTAIN 5' MIN. HORIZONTAL DIST. BETWEEN CONDUIT AND SEWER.
  - MAINTAIN 3' MIN. HORIZONTAL DIST. BETWEEN CONDUIT AND WATER MAINS.
- NOTE - CLEARANCES SHOWN ARE MINIMUM DISTANCES - REFERENCE PERMITS FOR SPECIFIC CLEARANCE REQUIREMENTS. ADDITIONAL UNDERGROUND INFORMATION ON EXCAVATION, BACKFILLING AND CLEARANCES CAN BE FOUND IN STD. 281-02.

OVERHEAD PRIMARY  
E, F, H, Q, R, W, X or Z

- Z 1 #2 ACSR
- Z1 1 #1/0 ACSR
- Z2 1 #3/0 ACSR
- Z3 3 #2 ACSR
- Z4 3 #1/0 ACSR
- Z5 3 #3/0 ACSR
- Z7 3 #336 ACSR
- Z9 SPECIAL LIST ON SKETCH
- Z10 1 WIRE REMOVAL
- Z11 2 WIRE REMOVAL
- Z12 3 WIRE REMOVAL

**STANDARD WIRE KEY**

- STATIC WIRE -  
SW 1/0AS for W, H and J; 2/0AS for R
- DIRECT BURY PRIMARY - E, F, H, Q, R, W, X or Z
- Z13 1 #1 AL 25KV
  - Z14 3 #1 AL 25KV
  - Z15 3 #500 AL 28KV
  - X16 1 #2 AL 15KV
  - X17 3 #2 AL 15KV
  - X18 3 #500 AL 15KV
  - R19 3 #1/0 AL 35KV
  - R20 3 #750 AL 35KV
  - Z21 3 #750 AL 28KV
  - X22 1 #2 Cu 15kV
  - X23 3 #2 Cu 15kV
  - Z24 1 #2 Cu 25kV
  - Z25 3 #2 Cu 25kV
  - X26 3 #500 Cu 15kV
  - Z27 3 #500 Cu 28kV
  - Z28 3 #750 Cu 28kV
  - Z29 SPECIAL - LIST ON SKETCH

NEUTRAL

- N 1-#2 ACSR
  - N1 1-#1/0 ACSR
  - N2 1-#3/0 ACSR
  - N3 1-#4/0 AL
  - N4 1-#336 ACSR
  - N5 REMOVAL
- GUYING
- G 1/4" ARM GUY
  - G1 5/16" ARM GUY
  - G2 3/8" ARM GUY
  - G3 5/16" POLE GUY
  - G4 3/8" POLE GUY
  - G5 7/16" POLE GUY

SECONDARY - 1PHASE

- S 6DX
- S1 4 TX
- S2 2 TX
- S3 1/0 TXR
- S4 3/0 TXR
- S5 350 TXR
- S6 750 TXR
- S7 1/0 TXF
- S8 4/0 TXF
- S9 336 TXR
- S10 750 TXF
- S11 3 WIRE REMOVAL
- S12 3 WIRE MAIN

SECONDARY - 3PHASE

- \$ 1/0 TXF
- \$1 4/0 TXF
- \$2 336 TXF
- \$3 3/0 TX
- \$4 350 TX
- \$5 750 TX
- \$6 1/0 QXF
- \$7 3/0 QXF
- \$8 350 QXR
- \$9 750 QXR
- \$10 3 WIRE REMOVAL
- \$11 3/0 QXR
- \$12 4 WIRE REMOVAL

**EROSION CONTROL LEGEND**

	APPROXIMATE BORE PIT LOCATION (WITH & WITHOUT PERIMETER CONTROL)
	INLET PROTECTION, TYPE
	12" WATTLE or 12"/20" SEDIMENT LOG or 9.5"/20" EROSION EEL
	STONE DITCH CHECK
	ROCK BAG
	MULCH
	SOIL STABILIZER, TYPE A
	EROSION MAT CLASS I, TYPE A
	EROSION MAT CLASS I, TYPE B
	EROSION MAT CLASS I, TYPE A URBAN
	EROSION MAT CLASS I, TYPE B URBAN
	EROSION MAT CLASS II
	EROSION MAT CLASS III
	VEGETATIVE BUFFER
	TRACKING PAD
	TIMBER MAT
	SILT FENCE
	TEMPORARY SEDIMENT BASIN
	SURFACE WATER FLOW

**WE ENERGIES WORK REQUEST ENVIRONMENTAL NOTES (Notes 1 through 7 apply to ALL work requests)**

**General**

1. If WDNR and/or USACE permits were obtained for the project, all permit conditions shall be met during construction of the project.

**Erosion Control**

2. If soil disturbance occurs on slopes or channels/ditches leading to wetlands or waterways, or within wetlands, the disturbed areas shall be stabilized and appropriate erosion control Best Management Practices (BMP's) shall be implemented.
3. Erosion Control BMR's shall meet or exceed the approved WDNR Storm Water Management Technical Standards ([http://dnr.wi.gov/topic/stormwater/standards/const\\_standards.html](http://dnr.wi.gov/topic/stormwater/standards/const_standards.html)). Refer to We Energies Construction Site Sediment and Erosion Control Standards.
4. Inspect installed erosion control BMP's at least one time per week and after 1/2" rain events: repair as necessary.
5. When temporary stabilization is required (e.g. for winter or short-term construction) prior to final restoration, soil stabilizer shall be installed wherever possible. Erosion mat shall be used temporarily only where appropriate, in accordance with state standards, and when approved by the Operations Supervisor.

**Contaminated Soils**

6. Whenever soil exhibiting obvious signs of contamination (e.g., discoloration, petroleum or solvent odor, free liquids other than water, buried containers or tanks, or other obvious signs of environmental impacts) is encountered during excavation or installation, cease work immediately, take appropriate immediate precautions to ensure worker health and safety, and contact the Operations Supervisor or Inspector.

**Spills**

7. If an oil spill occurs during construction, call the Environmental Incident Response Team (EIRT) at 414-430-3478:
  - a. Any quantity of oil is spilled into surface water;
  - b. Any oil spill greater than 50 ppm PCB into a sewer, vegetable garden, or grazing land;
  - c. Any oil spill containing greater than 500 ppm PCB;
  - d. Five gallons or more of oil spilled to the ground;
  - e. Any oil spill involving a police department, fire department, DNR, or concerned property owner.

**Notes 8 through 27 apply as noted at specific points within each work request:**

**Dewatering**

8. Dewatering of pits or trenches shall be done in accordance with state standards. Use an approved sediment bag, a straw bale dewatering basin, a combination of both, or equivalent.

**Wetlands**

9. As much as practicable, the majority of the work shall be staged from the public roadways and road shoulders, keeping equipment out of adjacent wetlands.
10. All work shall be conducted to minimize soil disturbance. No rutting will be allowed within the wetlands.
11. If soils are not frozen or stable to a point that avoids rutting, timber mats, mud tracks, or equivalent shall be utilized to access pole locations.
12. Excavated soils cannot be stockpiled in wetlands.

**Waterways**

13. All excess spoils shall be removed from wetlands and placed in a suitable upland location.
14. Trenching and pit excavations within wetlands shall include soil segregation to facilitate restoration of pre-construction soil stratification, and restoration to pre-construction elevations.
15. Poles scheduled to be removed, and that occur within wetland, shall be cut at the ground surface.
16. No work can be performed within the banks or below the ordinary high watermark of any navigable waterways/streams.
17. No crossing of navigable waterways with equipment can occur. Foot traffic is allowed.
18. Any disturbed soil within 75-feet of the ordinary high water mark of any navigable waterways/streams shall be stabilized within 24 hours of construction completion.

**Threatened and Endangered Species**

19. Threatened or endangered species are known to occur in the work area. It is illegal to harass, harm, or kill a protected species under state and federal regulations. Proper precautions shall be taken to ensure harm to individuals is avoided.
20. In order to protect the threatened or endangered species, work must be conducted between November 5 and March 15.
21. Exclusion fencing must be installed at the work area prior to March 15.
22. A qualified biologist must be present when conducting work at this location.

**Invasive Species**

23. State regulated invasive species are known to occur in the work area. Reasonable precautions are legally required to prevent the spread of these species. The Wisconsin Council on Forestry Transportation and Utility Right-of Way Best Management Practices should be followed: (<http://council.wisconsinforestry.org/invasives/transportation/>).

**Cultural and Historical Resources, cont.**

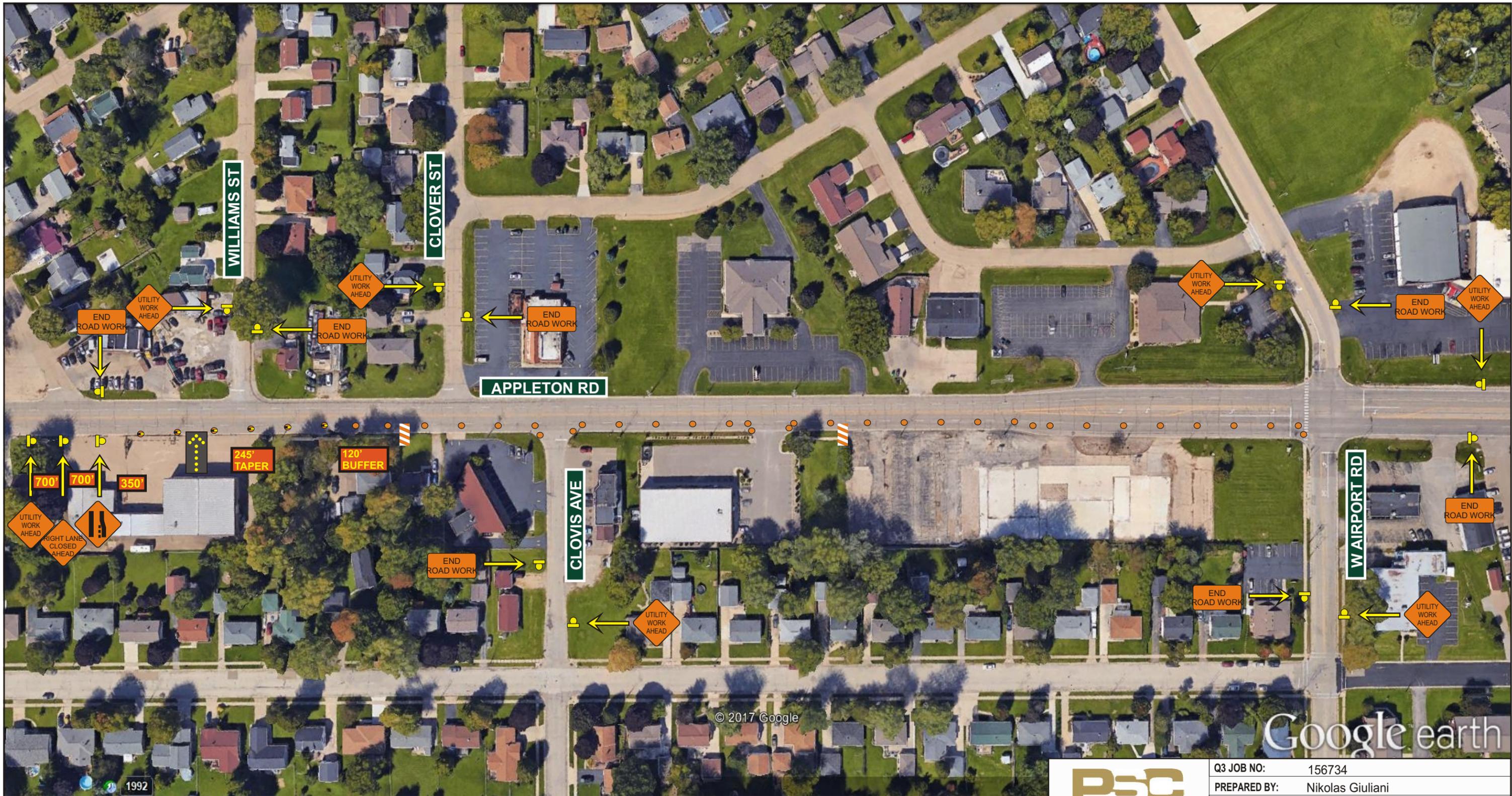
24. The project is within or adjacent to an area that is identified by the State of Wisconsin as potentially having Native American artifacts, burial mounds or burial sites, which could be encountered during construction.
25. If human bone or any artifacts are discovered during construction, work must cease immediately. Contact the Environmental Department who will contact the State Burial Sites Preservation Office and determine the next steps that must be taken in order to comply with state law. Work at that site MAY NOT PROCEED until the Environmental Department authorizes it.
26. A "qualified archaeologist," as specified under Wis. Stats 157.70 (1) (i) and Wis. Admin. Code HS 2.04 (6), must be present to monitor all ground disturbing activities.

**Frac-out Contingency Plan**

27. A frac-out contingency plan shall be on-site and implemented accordingly. The contingency plan shall incorporate the following components.
  - a. Continuously inspect the bore paths for frac-outs in order to respond quickly and appropriately.
  - b. Containment materials (e.g. silt fence, straw bales, sand bags, etc.) shall be on site and available should a frac-out occur.
  - c. A vac truck shall be accessible on short notice in order to respond quickly to a frac-out.

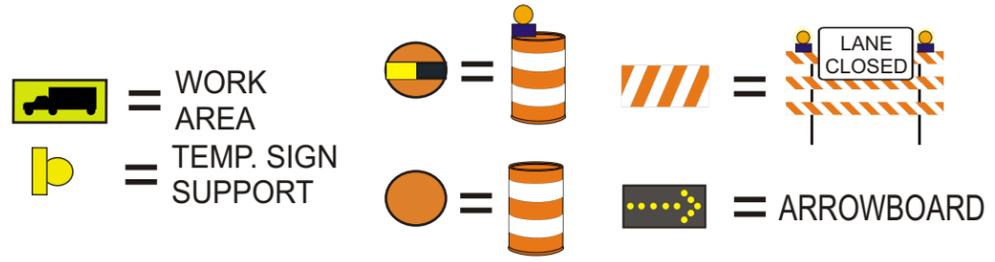






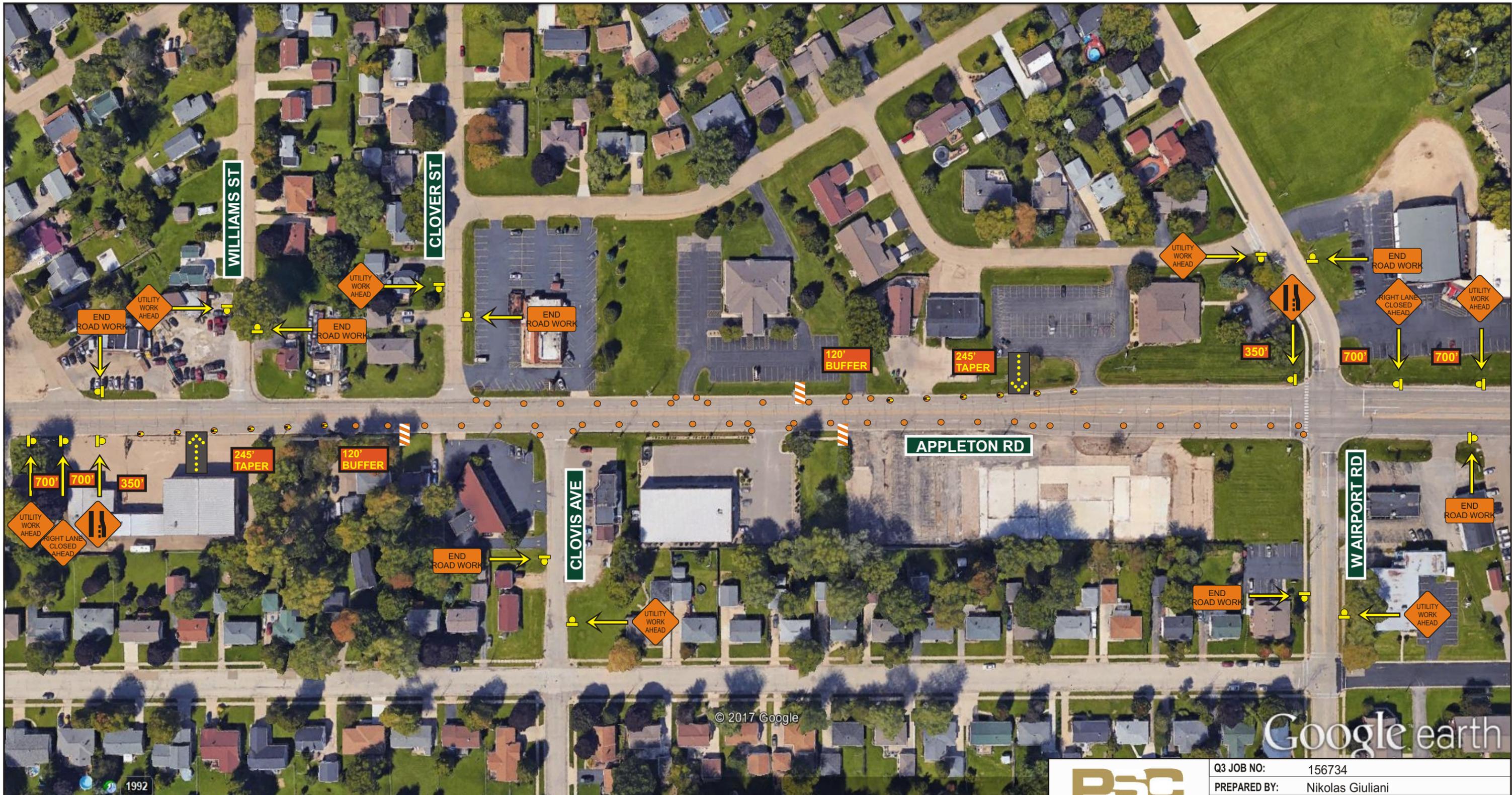
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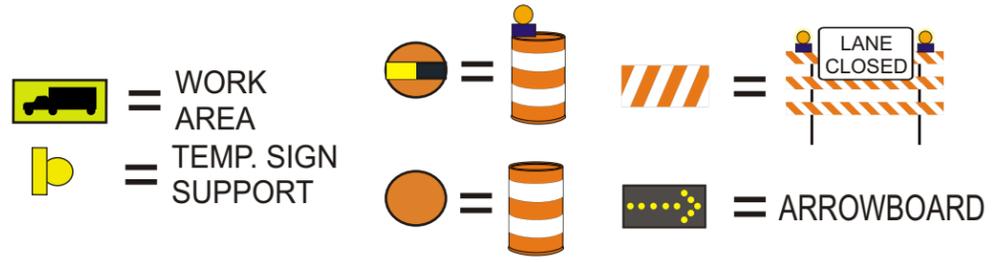
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 <b>PSC</b> Prima Services Corporation Q3 Contracting: 262-522-8015	Q3 JOB NO:	156734
	PREPARED BY:	Nikolas Giuliani
	DATE PREPARED:	11/21/2017
	STAGING TIME:	1 Hour
CUSTOMER NAME:	WE ENERGIES WISC ELEC	
ORDERED BY:	JUSTIN MONNETTE	
PROJECT / P.O. # :	4103103	
PROJECT LOCATION:	1165 STH 47	CITY/TOWN/VILLAGE: MENASHA
WORK DESCRIPTION:	SYSTEM IMPROVEMENT	



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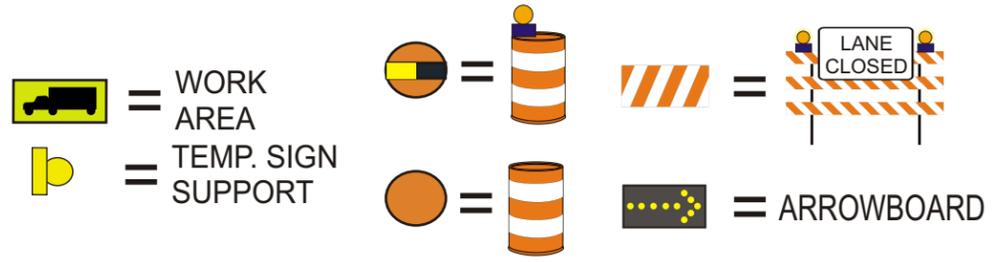
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 WILL USE LAW ENFORCEMENT TO STOP TRAFFIC FOR TEMPORARY CLOSURE DURING REPAIR AND REPLACEMENT OF AERIAL SPANS

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	PREPARED BY: Nikolas Giuliani
	DATE PREPARED: 11/21/2017
	STAGING TIME: 1 Hour
CUSTOMER NAME: WE ENERGIES WISC ELEC	ORDERED BY: JUSTIN MONNETTE
PROJECT / P.O. # : 4103103	
PROJECT LOCATION: 1165 STH 47	CITY/TOWN/VILLAGE: MENASHA
WORK DESCRIPTION: SYSTEM IMPROVEMENT	



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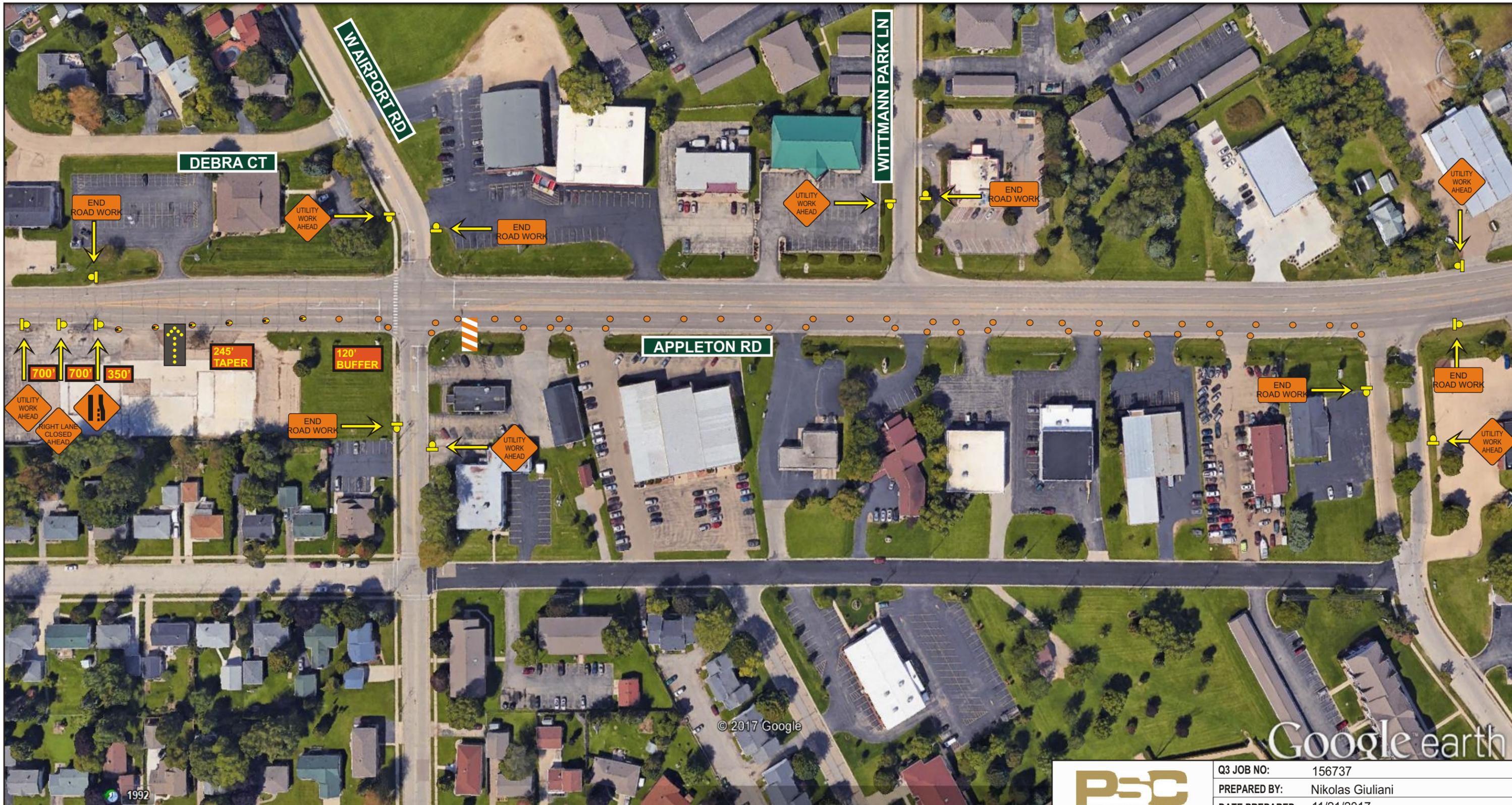
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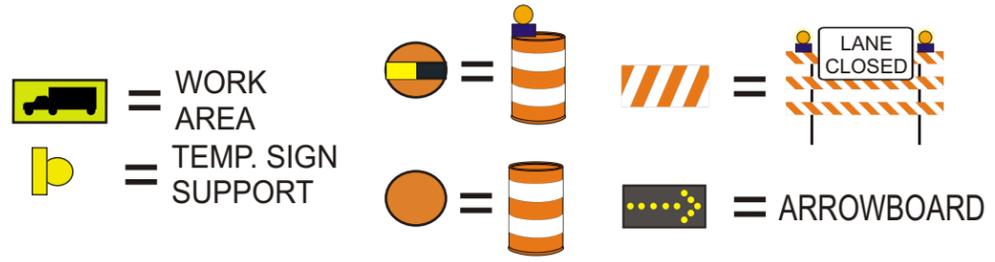
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CUSTOMER NAME: WE ENERGIES WISC ELEC	ORDERED BY: JUSTIN MONNETTE
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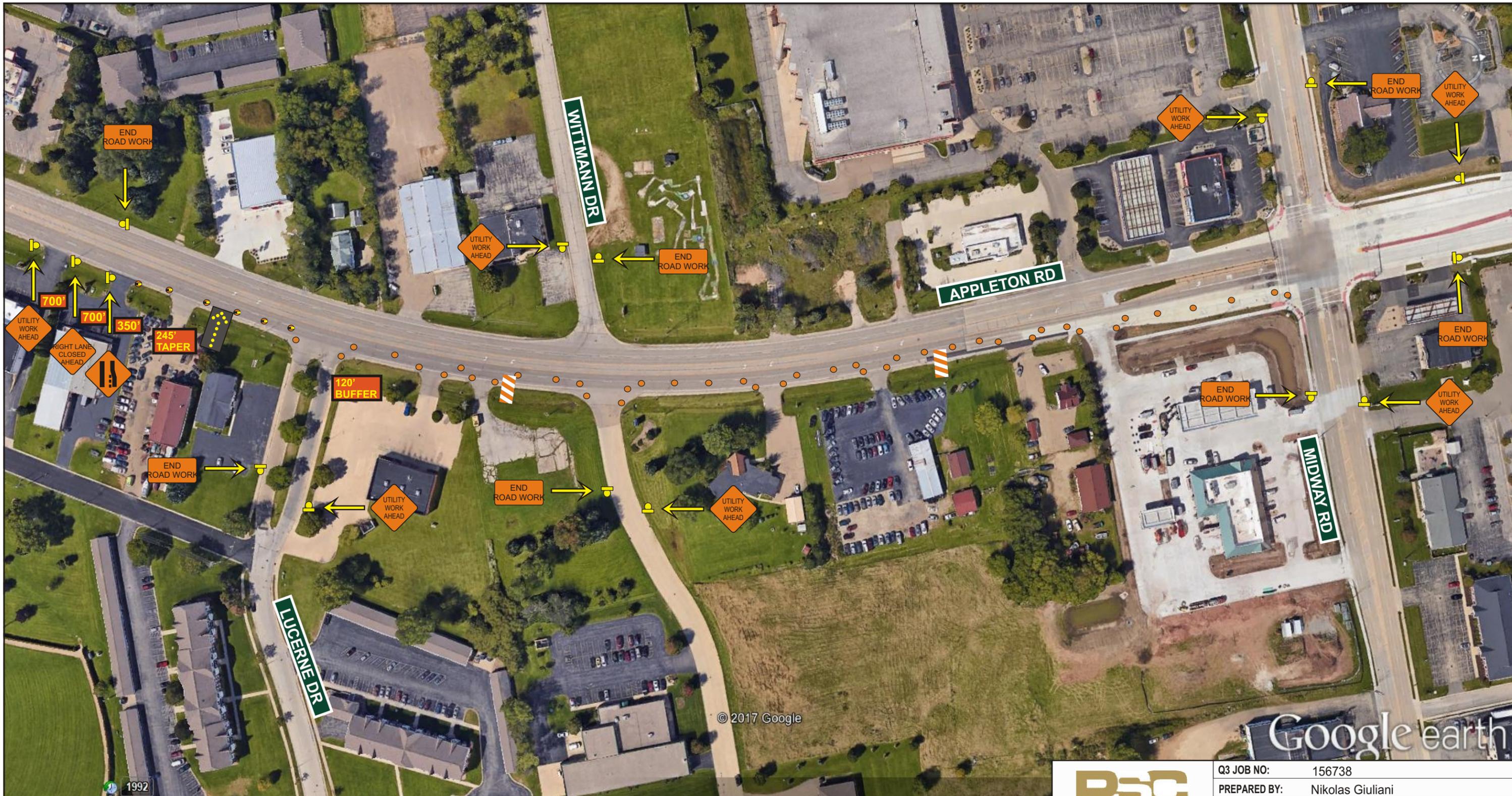
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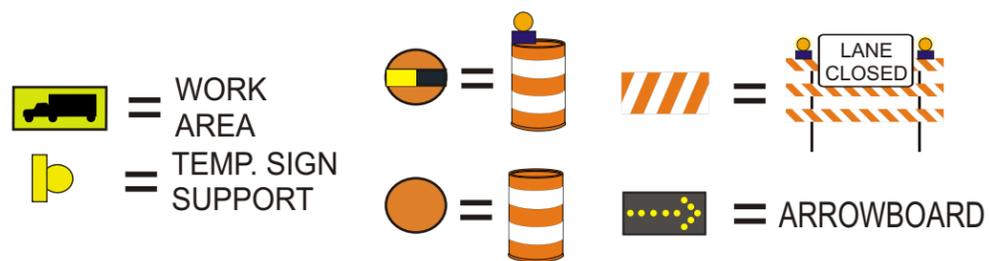
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 <b>PSC</b> Primoris Services Corporation Q3 Contracting: 262-522-8015	Q3 JOB NO:	156737
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	DATE PREPARED:	11/21/2017
	STAGING TIME:	1 Hour
CUSTOMER NAME:	WE ENERGIES WISC ELEC	
ORDERED BY:	JUSTIN MONNETTE	
PROJECT / P.O. # :	4103105	
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WORK DESCRIPTION:	SYSTEM IMPROVEMENT	



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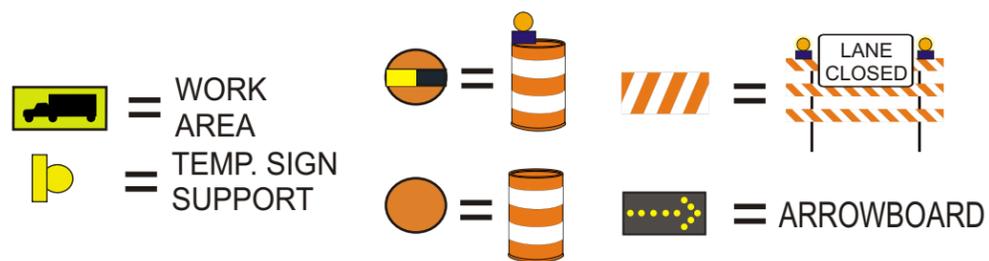
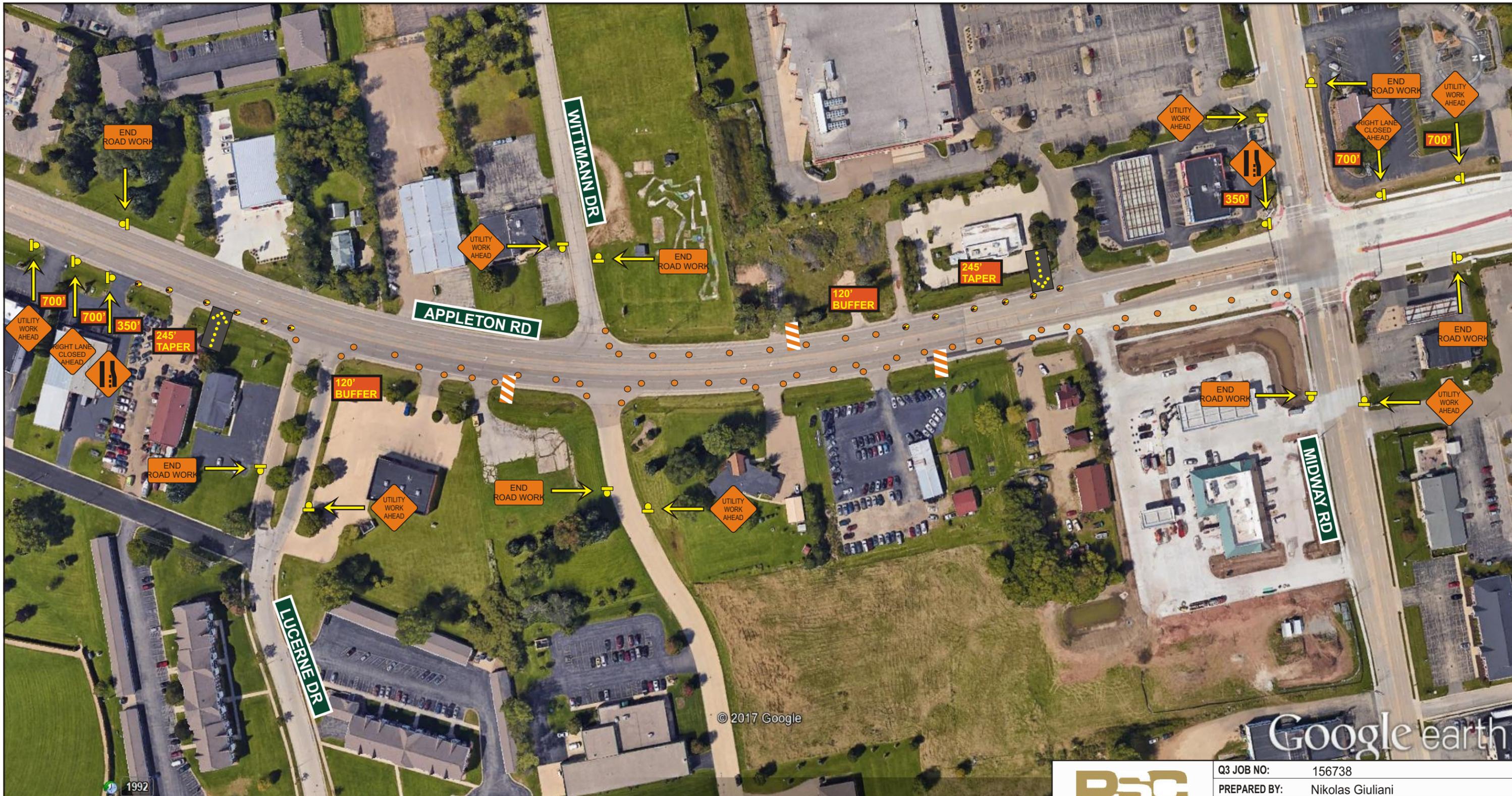


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Q3 Contracting: 262-522-8015

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PREPARED BY:	Nikolas Giuliani
DATE PREPARED:	11/21/2017
STAGING TIME:	1 Hour
CUSTOMER NAME:	WE ENERGIES WISC ELEC
ORDERED BY:	JUSTIN MONNETTE
PROJECT / P.O. # :	4103106
PROJECT LOCATION:	1497 STH 47
CITY/TOWN/VILLAGE:	MENASHA
WORK DESCRIPTION:	SYSTEM IMPROVEMENT



REFERENCE DOT S.D.D. 15 D 20-4  
 WILL USE LAW ENFORCEMENT TO STOP TRAFFIC FOR TEMPORARY CLOSURE DURING REPAIR AND REPLACEMENT OF AERIAL SPANS



Q3 Contracting: 262-522-8015

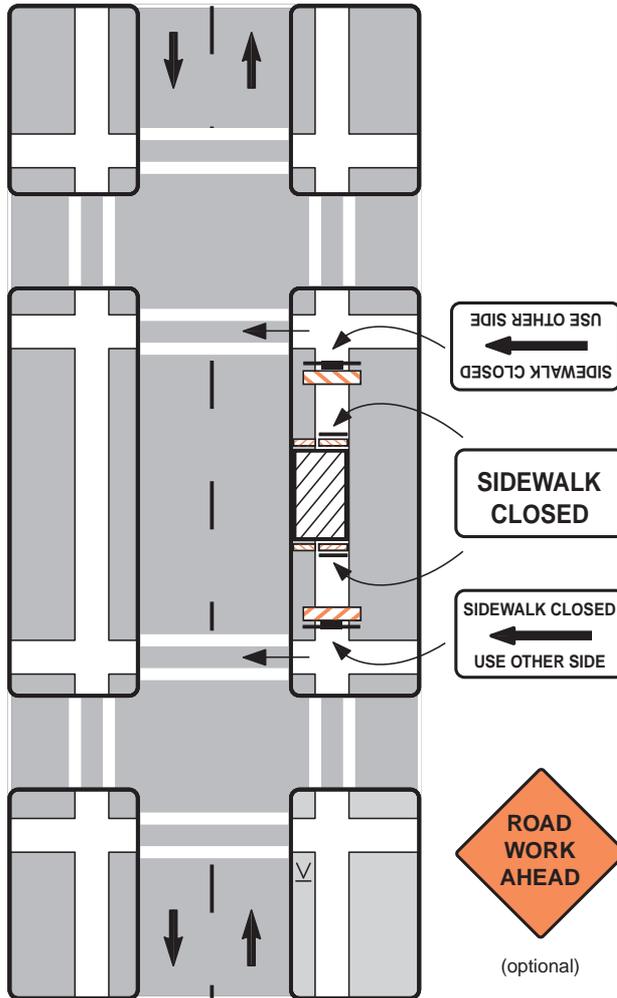
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PREPARED BY:	Nikolas Giuliani
DATE PREPARED:	11/21/2017
STAGING TIME:	1 Hour
CUSTOMER NAME:	WE ENERGIES WISC ELEC
ORDERED BY:	JUSTIN MONNETTE
PROJECT / P.O. # :	4103106
PROJECT LOCATION:	1497 STH 47
CITY/TOWN/VILLAGE:	MENASHA
WORK DESCRIPTION:	SYSTEM IMPROVEMENT

## Pedestrian and Bicyclist Safety

It is important to provide continuous access for pedestrians, bicyclists, and to bus stops. If pedestrian or bicycle travel paths are closed or disrupted by construction, maintenance, or utility operations, traffic control is needed. This includes using signs, channelizing devices, etc. to direct pedestrians and bicyclists through or around the work site, or to alternate routes. Major considerations in planning for pedestrian and bicyclist safety are:

- Do not lead pedestrians or bicyclists into conflicts with work site vehicles, equipment, or operations, nor traffic moving through or around the work site. Obstructions should be clearly marked, especially at night.
- Do not block or relocate pedestrian or bicycle routes for non-construction activities such as parking for vehicles and equipment.
- Provide pedestrians with a safe, convenient and clearly delineated travel path that replicates as nearly as practical the most desirable characteristics of existing sidewalks or footpaths. Signals and devices mounted lower than 7 feet should not project more than 4 inches into pedestrian facilities.
- Where sidewalks are closed or relocated, provisions shall be made for disabled pedestrians. When it is determined a facility should be accessible to pedestrians with visual disabilities, continuously detectable edging should be provided for pedestrians using long canes for guidance. Examples include interconnected barrier, curb, lumber, or fencing with a continuous bottom rail. If channelizing devices are used there cannot be gaps between the bases. Audible devices should be considered to provide communication of closings and crosswalk changes to pedestrians with visual disabilities. Audible devices might not be needed if detectable channelization makes an alternate route of travel evident to persons with visual disabilities.
- Advance notification of sidewalk closures shall be provided to the maintaining agency.

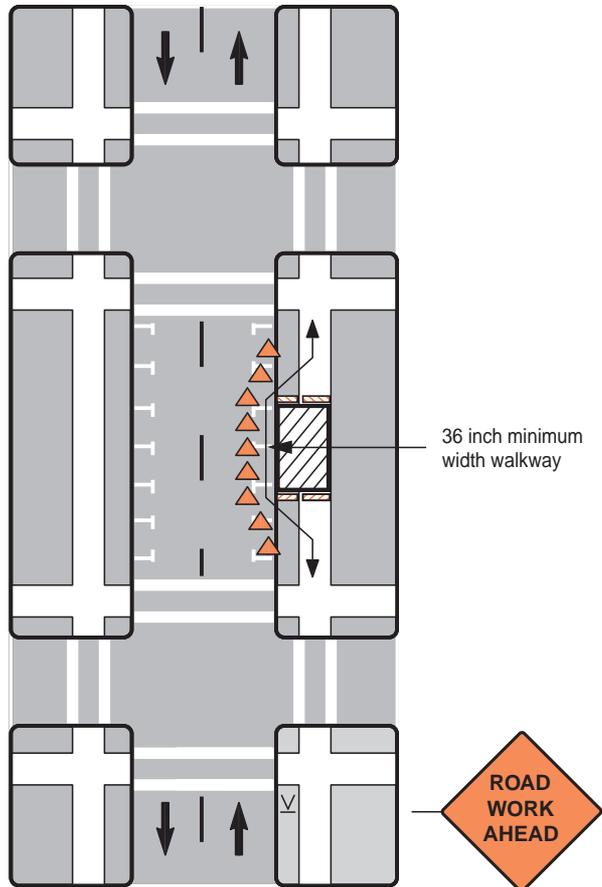
## Sidewalk Closure (Pedestrian Detour)



### Notes

1. Additional advance warning may be necessary.
2. Only the traffic control devices related to pedestrians are shown. Other devices may be needed to control traffic on the streets such as lane closure signs, ROAD NARROWS or LANE NARROWS signs.
3. For nighttime closures, Type A flashing warning lights may be used on barricades supporting signs and closing walkways.
4. Audible devices should be considered to alert pedestrians with visual disabilities of closings and crosswalk changes.

## Sidewalk Closure (Pedestrian Walkway Provided)



### Notes

1. Additional advance warning may be necessary.
2. Only the traffic control devices related to pedestrians are shown. Other devices such as lane closure signs, ROAD NARROWS or LANE NARROWS signs may be needed to control traffic on the streets.
3. For nighttime closures, Type A flashing warning lights may be used on barricades supporting signs and closing walkways. Type C or Type D steady-burn lights may be used on channelizing devices separating the temporary walkway from vehicular traffic.
4. Where high speeds are likely, a barrier should separate the temporary walkway from vehicular traffic. Refer to Section 6D.01 of Part 6 of the MUTCD for information on barriers.
5. Signs may be placed along a temporary walkway to guide pedestrians; for example, Keep Right or Keep Left signs.