



Date: **January 4, 2022**

Subject: Road Improvement - 17th Street, Bloomington, IN

Utility Relocation Work Plan for:	Duke Energy
Facility Type:	Electric Distribution

Section 1: General Information

A. INDOT/LPA Project Information

1. Des Number.:	1900402
2. Route Number:	17 th Street
3. Location:	From 325' east of Monroe Street to Grant Street, Bloomington, IN
4. Work Type:	Bike/Pedestrian Facilities
5. Letting Date:	03/09/2022
6. Date Work Plan Needed:	12/15/2021
7. Target Date for Utility to be out of conflict with INDOT Project:	04/30/2022
Intermediate Phase:	NA
Intermediate Phase:	NA

B. Utility Designated Contact – Information

1. Designated Contact Name:	Steve Puga
2. Office telephone:	317-804-3880
3. Mobile telephone:	
4. Email address:	Steve.Puga@leidos.com
5. Agency name:	Leidos
6. Address:	571 Monon Blvd Suite 200
7. City, State, Zip Code:	Carmel, IN 46032
8. Construction Emergency Contact:	
Name:	
Number:	

**** For Outage and Damage Issues please contact 1-800-521-2232 ****

C. By signing here, the Utility has determined to the best of their ability that they do not have facilities within the project area:

Signature of Utility Representative

Print Name

Date

Note: A signature by the utility representative at item “(C)” fulfills the requirement to complete the rest of this form and affirms their contact information above is correct



D. INDOT/LPA Utility Coordinator Contact Information

1.	Utility Coordinator Name:	Mark Riehle
2.	Office Telephone:	812-759-4144
3.	Mobile Telephone:	812-309-1625
4.	Email Address:	mriehle2@lochgroup.com
5.	Agency Name:	Lochmueller Group, Inc.
6.	Address:	6200 Vogel Road
7.	City, State, Zip Code	Evansville, IN 47715

Section 2: A narrative description of the facility relocation that will be required. [IAC 13-3-3(c)]

A. Describe what types of existing active and inactive facilities are present.

There is an existing 69kv transmission OH pole line with 12kv, 3-phase underbuild along the south side of 17th Street starting at the west side of the project limits. The transmission line heads south at Jackson St. and the OH 12kv, 3-phase line continues east. This line continues east on the south side of 17th St. until crossing to the north side near the intersection of 17th and Walnut. There it continues until the alley way and becomes a 7.2, 1-phase line for 1 span.

Please see drawings from Duke Energy’s drawings dated 12/29/21.

Duke Energy is unable to confirm whether or not there are any underground, inactive Duke Energy facilities present. Regardless, any such inactive facilities should be considered abandoned in place, and therefore, subject to neither removal nor preservation by Duke Energy.

B. Describe the location of existing active and inactive facilities.

There is an existing 69kv transmission OH pole line with 12kv, 3-phase underbuild along the south side of 17th Street starting at the west side of the project limits. The transmission line heads south at Jackson St. and the OH 12kv, 3-phase line continues east. This line continues east on the south side of 17th St. until crossing to the north side near the intersection of 17th and Walnut. There it continues until the alley way and becomes a 7.2, 1-phase line for 1 span.

Please see drawings from Duke Energy’s drawings dated 12/29/21.

Duke Energy is unable to confirm whether or not there are any underground, inactive Duke Energy facilities present. Regardless, any such inactive facilities should be considered abandoned in place, and therefore, subject to neither removal nor preservation by Duke Energy.

C. Describe what will be done with existing active and inactive facilities.

Duke’s facilities located on AT&T’s poles will follow their proposed new pole locations and facilities will be relocated in kind to meet the new alignment. The exception to this is pole 290-244, located approx. 270’ west of Jackson St, where Duke will add primary to this pole, this line will then go east for 1 span to meet the previous alignment.

Duke will eliminate the primary line crossing approx. 150’ east of Jackson St. as well as pole 768-189. Duke’s pole at the southwest corner at Madison St will be replaced and re-set deeper in the same approximate location. Duke has an UG line which crosses from the southwest corner at College Ave, north and rises approx. 210’ on the west side of College Ave. The depth of this line is to



be obtained and the line here will be rebored if it does not meet clearance requirements from the proposed stormwater drain. The pole at the southwest corner at College Ave. is to be replaced and set deeper in the same approx. location. The pole at the northeast corner of Walnut St is to be moved to the northwest corner with a corresponding span guy pole approx. 20' northwest of its proposed location.

See Duke Energy's drawings dated 12/29/21 for pole locations.

Duke Energy is unable to confirm whether or not there are any underground, inactive Duke Energy facilities present. Regardless, any such inactive facilities should be considered abandoned in place, and therefore, subject to neither removal nor preservation by Duke Energy.

PLEASE REFER TO THE OSHA WEBSITE FOR ALL CLEARANCE REQUIREMENTS BASED ON THE VOLTAGE OF OUR LINES LISTED ABOVE.

http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=19

WARNING: ANY ORANGE OR YELLOW COVER-UP THAT DUKE ENERGY WOULD PLACE ON THE DISTRIBUTION LINE WOULD BE FOR VISUAL IDENTIFICATION ONLY AND WILL NOT PROTECT AGAINST THE TRAVEL OF ELECTRICITY, THEREFORE ALL WIRES WOULD BE CONSIDERED BARE, UNINSULATED, AND ENERGIZED AT ALL TIMES.

IF THE CONTRACTOR WOULD LIKE VISUAL COVER INSTALLED ON THE DISTRIBUTION WIRES, THEY WILL NEED TO CONTACT THE DUKE ENERGY CALL CENTER FOR SCHEDULING AT 1.800.521.2232, MONDAY THROUGH FRIDAY FROM 7A TO 7P OR ON SATURDAY FROM 8A TO 1P.

D. Describe the details of the proposed new facilities.

Duke's facilities located on AT&T's poles will follow their proposed new pole locations and facilities will be relocated in kind to meet the new alignment. The exception to this is pole 290-244, located approx. 270' west of Jackson St, where Duke will add primary to this pole, this line will then go east for 1 span to meet the previous alignment. In order to do so, Duke is requesting 12.5' in extra clearance above the highest joint use.

Duke will eliminate the primary line crossing approx. 150' east of Jackson St. as well as pole 768-189. Duke's pole at the southwest corner at Madison St will be replaced and re-set deeper in the same approximate location. Duke has an UG line which crosses from the southwest corner at College Ave, north and rises approx. 210' on the west side of College Ave. The depth of this line is to be obtained and the line here will be rebored if it does not meet clearance requirements from the proposed stormwater drain. The pole at the southwest corner at College Ave. is to be replaced and set deeper in the same approx. location. The pole at the northeast corner of Walnut St is to be moved to the northwest corner with a corresponding span guy pole approx. 20' northwest of its proposed location.

See Duke Energy's drawings dated 12/29/21 for pole locations.

E. Describe the proposed location of the new facilities.

Duke's facilities located on AT&T's poles will follow their proposed new pole locations and facilities will be relocated in kind to meet the new alignment. The exception to this is pole 290-244, located approx. 270' west of Jackson St, where Duke will add primary to this pole, this line will then go east for 1 span to meet the previous alignment.



Duke will eliminate the primary line crossing approx. 150' east of Jackson St. as well as pole 768-189. Duke's pole at the southwest corner at Madison St will be replaced and re-set deeper in the same approximate location. Duke has an UG line which crosses from the southwest corner at College Ave, north and rises approx. 210' on the west side of College Ave. The depth of this line is to be obtained and the line here will be rebores if it does not meet clearance requirements from the proposed stormwater drain. The pole at the southwest corner at College Ave. is to be replaced and set deeper in the same approx. location. The pole at the northeast corner of Walnut St is to be moved to the northwest corner with a corresponding span guy pole approx. 20' northwest of its proposed location.

See Duke Energy's drawings dated 12/29/21 for pole locations.

Since Duke Energy Distribution is the attacher on many of these foreign owned facilities and a final design has not been provided to Duke at this point in time (1/4/2022), this design and WP are contingent on the foreign facility owner's (AT&T) relocation plan as of 12/20/2021. If any further updates that deviate from the preliminary plan provided to Duke 12/20/2021 impact our design, please notify the Duke Energy Designer and allow for additional time for review and/or design as necessary.

Additionally, multiple concerns were listed over email dated 12/29, this Work Plan assumes these concerns will be resolved before construction. If not, please notify the Duke Energy Designer and allow for additional redesign time

- F. By signing here, the Utility has determined to the best of their ability that they have facilities within the project area and the facilities are not in conflict with the project based upon the plans received on <12/20/2021>

Signature of Utility Representative

Print Name

Date

Note: A signature by the utility representative at item "(F)" fulfills the requirement to complete the rest of this form and affirms their contact information above is correct.

Section 3: A statement whether the facility relocation is or is not dependent on the acquisition of additional property interests with a description of that work. [IAC 13-3-3(c) (2) (B)]

- (A) Duke Energy must have acquired all ROW, RR, State or Federal permits before relocation construction begins.
- (B) Duke Energy must have acquired all private "possessory rights" needed for the approved relocation plan before relocation construction begins.
- (C) Duke Energy will not be acquiring easements for the said project.

Section 4: A statement whether the utility is or is not willing to allow the INDOT contractor to do the required work as part of the highway contract. [IAC 13-3-3(c) (3)]



Duke Energy Indiana is not willing to have a INDOT OR LPA's contractor perform the required relocation.

Section 5: From the date the work plan is approved by both parties; please provide the Utility's pre-construction scheduling information. [IAC 13-3-3(c) (4), IAC 13-3-3(c) (5)]

A.	The expected lead time in calendar days to obtain required permits:	60 Days
B.	The expected lead time in calendar days to obtain materials:	120 Days
C.	The expected lead time in calendar days to schedule work crews (Scheduling is not included within the Pre-Construction Activity time line below):	60 Days (Minimum)
D.	If the contractor is being selected by competitive bid what is the date of selection?	Not Applicable
E.	The expected lead time in calendar days to obtain new property interests:	INDOT to obtain all ROW
F.	The earliest date when the utility could begin to implement the pre-construction activities of the work plan:	Material Reservation Contingent on Work Plan Approval. Scheduling Contingent on Notice to Proceed
G.	The total number of calendar days for pre-construction activities (accounting for concurrent activities) and not including Scheduling of Construction crews:	120 Days

Section 6: The Utility Construction Scheduling Information. [IAC 13-3-3(c) (4), IAC 13-3-3(c) (5)]

- A. A statement whether the facility relocation is or is not dependent on work to be done by another utility with a description of that work. [IAC 13-3-3(c)(2)(A)(i)]

The removal of Duke Energy's pole(s) is dependent upon the removal of attachers to our poles. The attachers must remove their facilities before the existing poles can be removed. The existing attachers to our poles on this project are:

- (1) TELE (AT&T), with a description of the required work:**

Contact all the onsite utilities for their proposed relocation plans. Duke poles will be relocated and removed, onsite utilities need to relocate.

- (2) CATV (Comcast Cable), with a description of the required work:**

Contact all the onsite utilities for their proposed relocation plans Duke poles will be relocated and removed, onsite utilities need to relocate.

If the existing attacher is transferring their facilities to our new poles, the existing attacher's construction schedule may begin only after Duke Energy's relocation construction is completed. Duke Energy has no control over the start date or finish date for attachers vacating our existing poles.

- B. A statement whether the facility relocation is or is not dependent on work to be done by the INDOT or LPA or the INDOT or LPA'S contractor with a description of that work. [IAC 13-3- 3(c)(2)(A)(ii)]



Work item A

INDOT or LPA will give written notice to Duke Energy that all “possessory rights” have been acquired for the entire length of the approved work plan area before relocation construction begins.

Work item B

INDOT OR LPA will work closely with Duke Energy to safely clear all trees, shrubs and structures (from sky to ground) at INDOT OR LPA’s cost, for the entire length of the approved relocation plan area, including areas sufficiently beyond the construction limits to accommodate the approved relocation work plan before relocation construction begins.

Work item C

INDOT OR LPA will notify Duke Energy after staking (A or B):

- A. INDOT OR LPA ROW limits every 100 ft with station identification before relocation construction begins. DUKE ENERGY WILL NEED THE ROW STAKED FROM THE WEST TO THE EAST END ALONG THE NORTH SIDE OF 17TH STREET 300’ WEST FROM JACKSON ST. DUKE WILL ALSO NEED THE ROW AND PROPOSED SIDEWALK STAKED AT THE SOUTHWEST CORNER OF 17TH ST AND MADISON ST AS WELL AS THE SOUTHWEST CORNER OF 17TH ST AND COLLEGE AVE. DUKE ALSO REQUEST ROW TO BE STAKED EVERY 50’ ALONG THE WEST SIDE OF COLLEGE AVE FROM THE 17TH ST CROSSING 250’ NORTH.**

AS WELL AS THE NORTHWEST AND NORTHEAST CORNER OF THE 17TH ST AND WALNUT ST TO BE STAKED IN REGARDS TO THE ROW AND FUTURE LOCATIONS OF THE PEDESTRIAN PATH.

- B. Station and offset identification provided by Duke Energy for each Duke Energy facility before location construction begins.**

Work item D

INDOT OR LPA will provide signed copies of all reimbursement agreements before Relocation construction begins. NOT APPLICABLE

Work item E

INDOT OR LPA will provide Duke Energy a “Signed” work plan on or before as the ready for contracts date.

Work item F

INDOT OR LPA will provide Duke Energy a “Letter to Proceed” on or before the ready for contracts date but no event later than the required pre-construction lead time prescribed in Sections 5 F & G.

In the event that Duke Energy Indiana decides to hold, protect or guard its installed facilities before, after or during relocation construction, for the safe installation of another facility or utility, Duke Energy Indiana will notify the INDOT OR LPA immediately. Because time is of the essence, the INDOT OR LPA and Duke Energy Indiana agree to work together to minimize costs and delays for all parties involved, and Duke Energy Indiana agrees to not proceed until an agreement is reached with the INDOT OR LPA regarding reimbursement of Duke Energy Indiana's costs for holding protecting or guarding its facilities.

- C. How many calendar days after the events identified in Sec 6 A and B are completed can the utility begin construction:



Absent an agreement expediting the work between the INDOT OR LPA and Duke Energy Indiana, the earliest date when Duke Energy Indiana could begin construction.

- 1.) If the INDOT OR LPA ROW staking and clearing is contained in the INDOT OR LPA's construction contract, Duke Energy Indiana will begin construction within 60 days after Duke Energy Indiana has received from INDOT or LPA both a "Notice to Proceed" (confirming the staking and clearing has been completed) and a fully executed Work Plan.

If the INDOT OR LPA ROW staking and clearing is let as a separate contract, Duke Energy Indiana will begin construction within 60 days after Duke Energy Indiana has received from INDOT or LPA both a "Notice to Proceed" (confirming the staking and clearing has been completed) and a fully executed Work Plan.

If at any time within 120 days from the most current published letting date, the INDOT OR LPA changes the letting date by more than fourteen (14) days, Duke Energy Indiana reserves the right upon written notice sent by mail to the INDOT OR LPA, to provide to the INDOT OR LPA a revised work plan within 60 days from the date Duke Energy Indiana is notified of the change.

- D. The number of calendar days to complete the relocation work: **160 Days**

Section 7: A drawing of sufficient detail with station, offset, elevations, and scale to show the proposed location of the facility relocation, which takes precedence over the narrative description of the work. [IAC 13-3-3(c) (6)].

See Attachment A.

Section 8: For each work plan the utility shall include a cost estimate for the facility relocation. For reimbursable work the estimate will identify betterment and salvage, which is not reimbursable. [IAC 13-3-3(d)]

~~An Estimate will be provided for Reimbursable Projects only per IAC Rule.~~

Section 9: For work the utility is entitled to be compensated by the Department, the work plan shall include documentation of property interests and compensable land rights. [IAC 13-3-3(d)]

Not Applicable.



Section 10: The implementation of this approved work plan is dependent upon the issuance of: (a notice to proceed will be provided when items in Section 6 are accomplished)

Items Completed	Yes	Not Applicable
An executed reimbursement agreement with INDOT/LPA:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
A relocation permit from INDOT/LPA:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(Note: Double-click on box in Yes or NA to mark it with an "X")

Steve Puga

Submitter Signature

December 29, 2021

Date

Steve Puga

Submitter Name Printed



INDOT/LPA use only below this point ----- INDOT/LPA use only below this point

The following sections are to be used by INDOT personnel to review the utility relocation work plan.

Section 11: The Department shall review the work plan to ensure that it: [IAC 13-3-3(e)]

Description	Yes	No	Initials
(1.a) is compatible with department permit requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MR
(1.b) is compatible with the project plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MR
(1.c) is compatible with the construction schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MR
(1.d) is compatible with other utility relocation work plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MR
(2.a) has reasonable relocation scheme	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MR
(2.b) has a reasonable cost for compensable work	<input type="checkbox"/>	<input type="checkbox"/>	NA

(Note: Double-click on box under Yes or No to mark it with an "X")

Comments on any sections (1.a – 2.b) that were marked No:

Mark Riehle
 Reviewer Signature

01/05/2022
 Date

Mark Riehle
 Reviewer Name Printed

Section 12: Approved Work Plan. [IAC 13-3-3(f)]

I have reviewed the work plan and found it acceptable.

 Project Manager Signature

 Date

 Project Manager Name Printed

	Upstream Protection
	BREAKER AT SUB: BLOOMINGTON DUNN ST (441) (12.47/7.2KV) 515 E 13TH ST BLOOMINGTON, IN 47408
	BREAKER AT SUB: BLOOMINGTON NORTHWEST (770) (12.47/7.2KV) 4433 W ARLINGTON RD, BLOOMINGTON, IN 47404



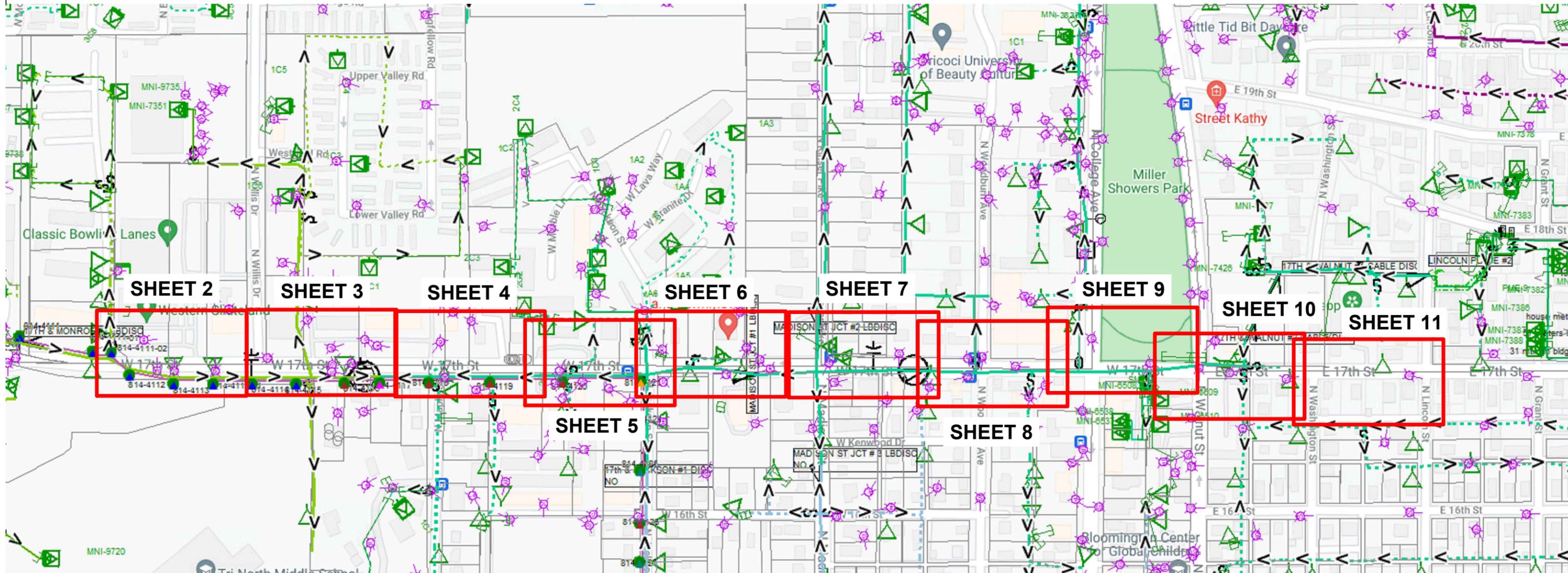
Safety Reminders / Adverse Conditions
Remember "Your Circle of Safety"
ALL LOCATIONS TRUCK ACCESSIBLE



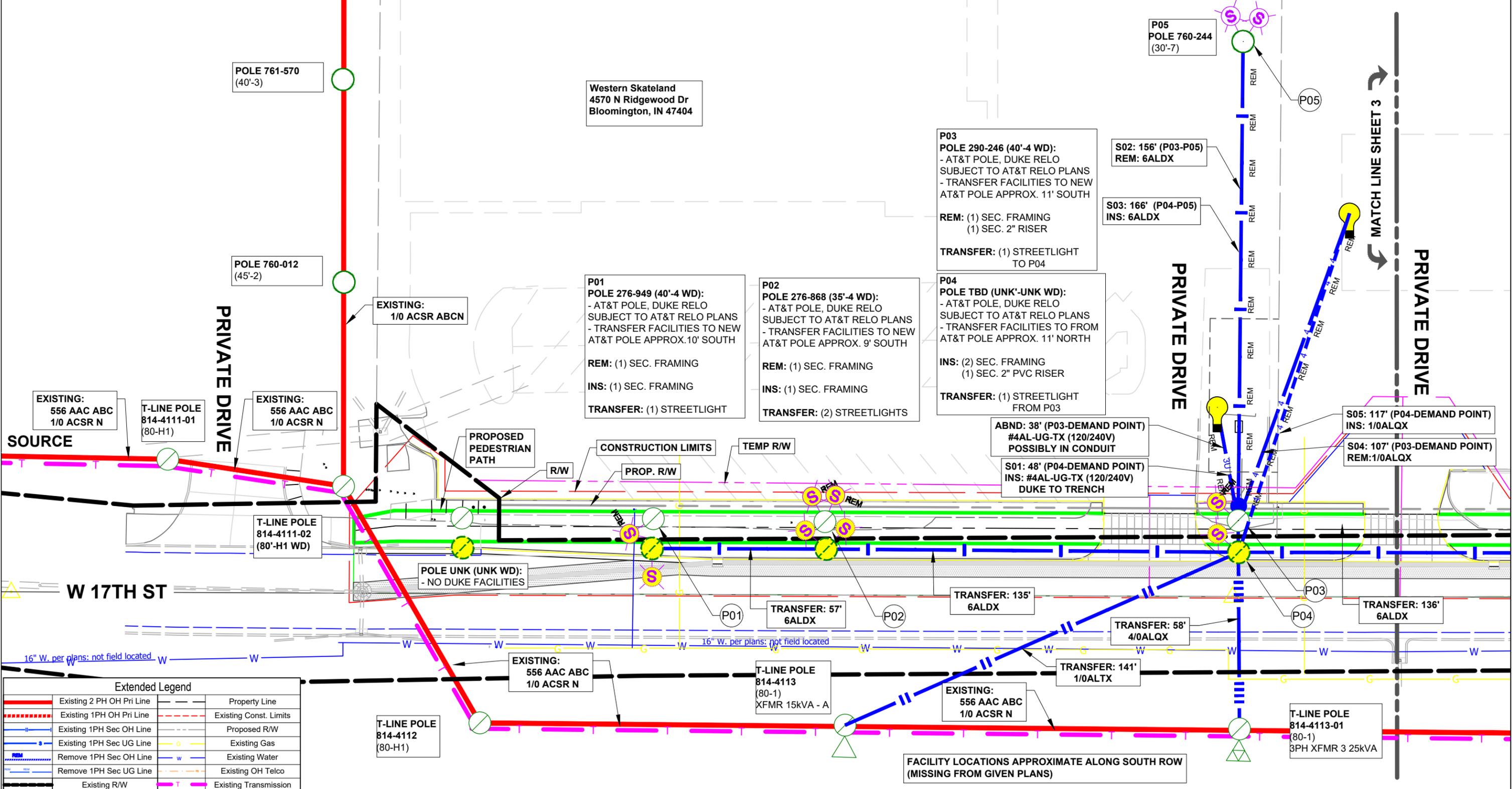
REMEMBER: Work zone area conditions may have changed for this job. Everyone is responsible for verifying the safety information is correct prior to any work being performed each day.

Other Project Notes
TRAFFIC FLAGGING REQUIRED
CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, INVERTS, AND GRADES PRIOR TO CONSTRUCTION

ALL TRANSMISSION LINE POLES ARE SUBJECT TO TRANSMISSION LINE'S RELOCATION PLANS
ALL FOREIGN OWNED POLES ARE SUBJECT TO TO THE FOREIGN COMPANY'S RELOCATION PLANS



	General Information		Work Order Information				Circuit Information		Duke Energy Legend				<p>Know what's below. Call before you dig.</p>		INDEX	12kV DISTRIBUTION LINES	SCALE
	INDOT DES #	1900402	Distribution		BLOOMINGTON NORTHWEST (770) 1271		Existing Duke Pole		Existing Downguy		DETAIL	17TH ST FROM MONROE ST TO LINCOLN ST					
	ROAD IMPROVEMENT	CITY OF BLOOMINGTON	Emax #	42045871	Project Code	**Unknown**	OU / Center	V742/S450	Remove Duke Pole	Distribution Line	DATE	12/27/2021			LOCATION	39.179000°, -86.545776°	
	CITY OF BLOOMINGTON	MONROE COUNTY, IN	Transmission		BLOOMINGTON WEST TO DUNN ST 69128		Proposed Duke Pole		Proposed Downguy		DRAWN	Steve Puga			PHONE	(317) 804-3880	
BLOOMINGTON TOWNSHIP		Emax #	Install	Remove	OH Maint.	UG Maint.	OU / Center	Existing Foreign Pole	Secondary Line	APPROVAL SIGNATURE		DWG NO					
								Proposed Foreign Pole	Overhead Light	ELECTRIC TRANSMISSION & DISTRIBUTION LINE ENGINEERING		SHEET 1 OF 11					
								Remove Foreign Pole	Proposed / Existing Fuse								



Extended Legend

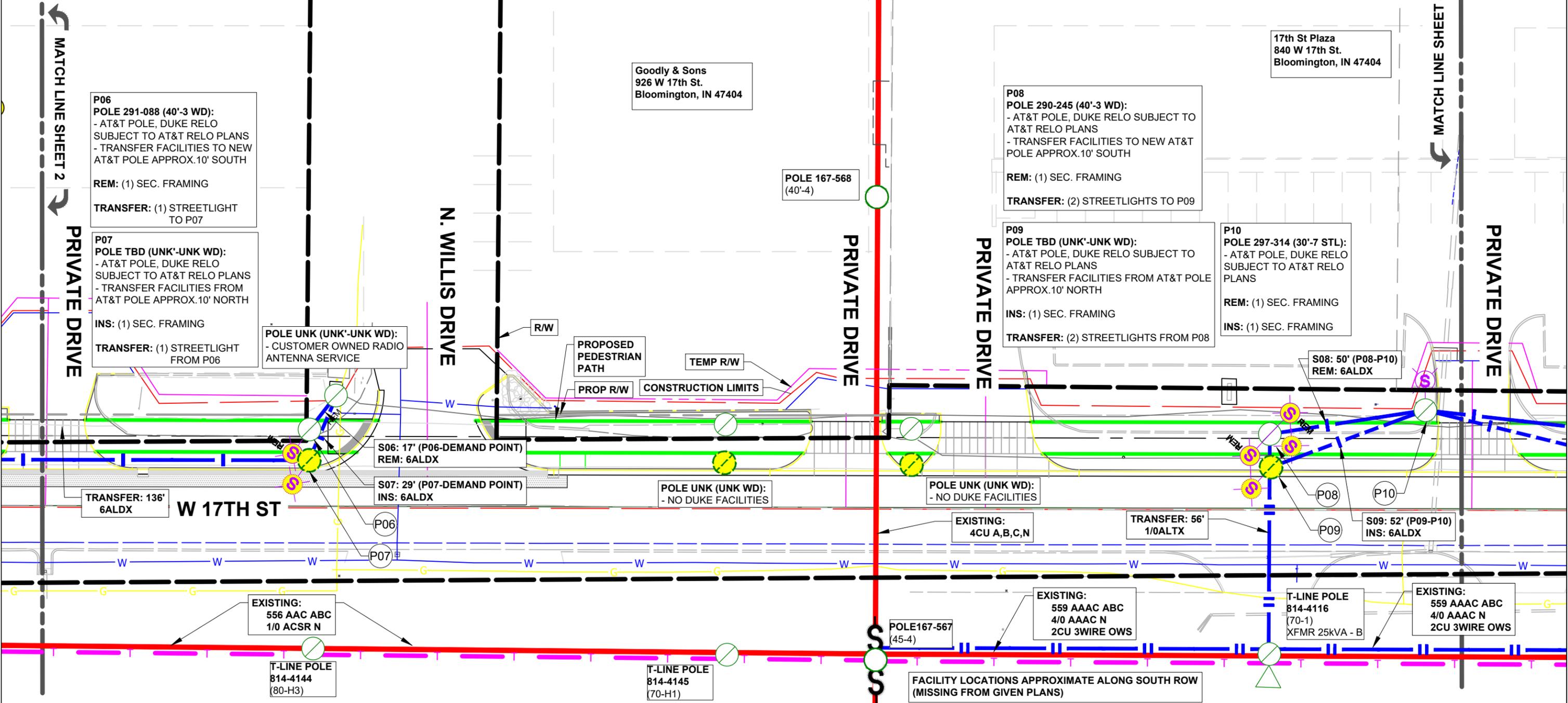
	Existing 2 PH OH Pri Line		Property Line
	Existing 1PH OH Pri Line		Existing Const. Limits
	Existing 1PH Sec OH Line		Proposed R/W
	Existing 1PH Sec UG Line		Existing Gas
	Remove 1PH Sec OH Line		Existing Water
	Remove 1PH Sec UG Line		Existing OH Telco
	Existing R/W		Existing Transmission

	General Information		Work Order Information			Circuit Information		Duke Energy Legend			<p>Know what's below. Call before you dig.</p>		INDEX 12kV DISTRIBUTION LINES	SCALE 1:30						
	INDOT DES # 1900402	17TH STREET	Emax # 42045871	Distribution Project Code *Unknown*	OU / Center V742/S450	BLOOMINGTON NORTHWEST (770) 1271		Existing Duke Pole		Existing Downguy			DETAIL 17TH ST FROM MONROE ST TO LINCOLN ST	LOCATION 39.179000° , -86.545776°						
	ROAD IMPROVEMENT	CITY OF BLOOMINGTON	MONROE COUNTY, IN	Transmission	Emax #	Install	Remove	OH Maint.	UG Maint.	OU / Center			BLOOMINGTON WEST TO DUNN ST 69128		Proposed Duke Pole		Proposed Downguy	DATE 12/27/2021	DRAWN Steve Puga	PHONE (317) 804-3880
	BLOOMINGTON TOWNSHIP														Remove Duke Pole		Distribution Line	APPROVAL SIGNATURE	DWG NO	SHEET 2 OF 11



Extended Legend

Existing 2 PH OH Pri Line	Property Line
Existing 1PH OH Pri Line	Existing Const. Limits
Existing 1PH Sec OH Line	Proposed R/W
Existing 1PH Sec UG Line	Existing Gas
Remove 1PH Sec OH Line	Existing Water
Remove 1PH Sec UG Line	Existing OH Telco
Existing R/W	Existing Transmission



General Information

INDOT DES #	1900402
17TH STREET ROAD IMPROVEMENT	
CITY OF BLOOMINGTON	
MONROE COUNTY, IN	
BLOOMINGTON TOWNSHIP	

Work Order Information

Distribution	
Emax #	Project Code
42045871	**Unknown**
OU / Center	V742/S450
Transmission	
Emax #	Install
	Remove
	OH Maint.
	UG Maint.
OU / Center	

Circuit Information

Distribution	
BLOOMINGTON NORTHWEST (770) 1271	
BLOOMINGTON DUNN ST (441) 1228	
Transmission	
BLOOMINGTON WEST TO DUNN ST 69128	

Duke Energy Legend

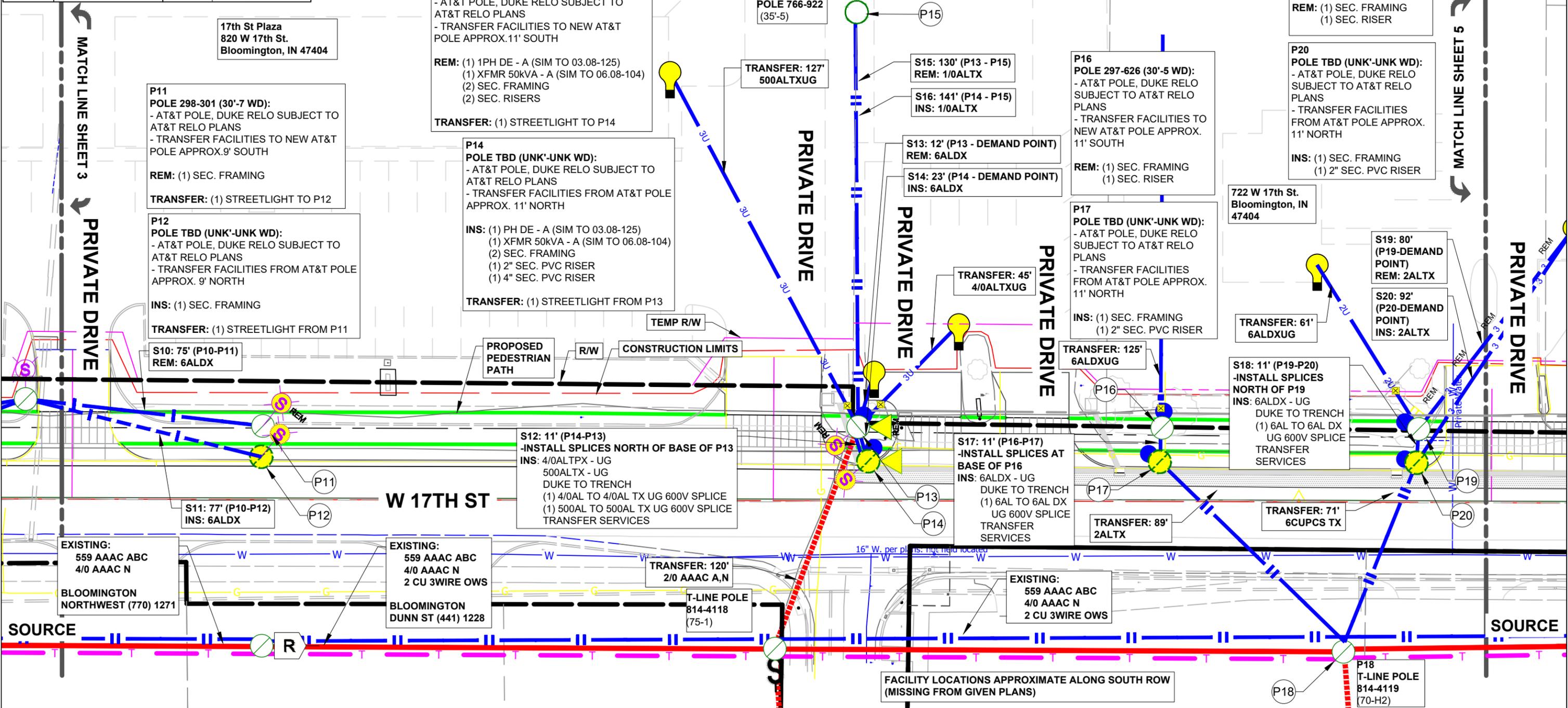
Existing Duke Pole	Existing Downguy
Proposed Duke Pole	Proposed Downguy
Remove Duke Pole	Distribution Line
Existing Foreign Pole	Secondary Line
Proposed Foreign Pole	Overhead Light
Remove Foreign Pole	Proposed / Existing Fuse



DUKE ENERGY

INDEX	12kV DISTRIBUTION LINES	SCALE	1:30
DETAIL	17TH ST FROM MONROE ST TO LINCOLN ST		
DATE	12/27/2021	LOCATION	39.179000°N, -86.545776°W
DRAWN	Steve Puga	PHONE	(317) 804-3880
ELECTRIC TRANSMISSION & DISTRIBUTION LINE ENGINEERING	APPROVAL SIGNATURE	DWG NO	SHEET 3 OF 11

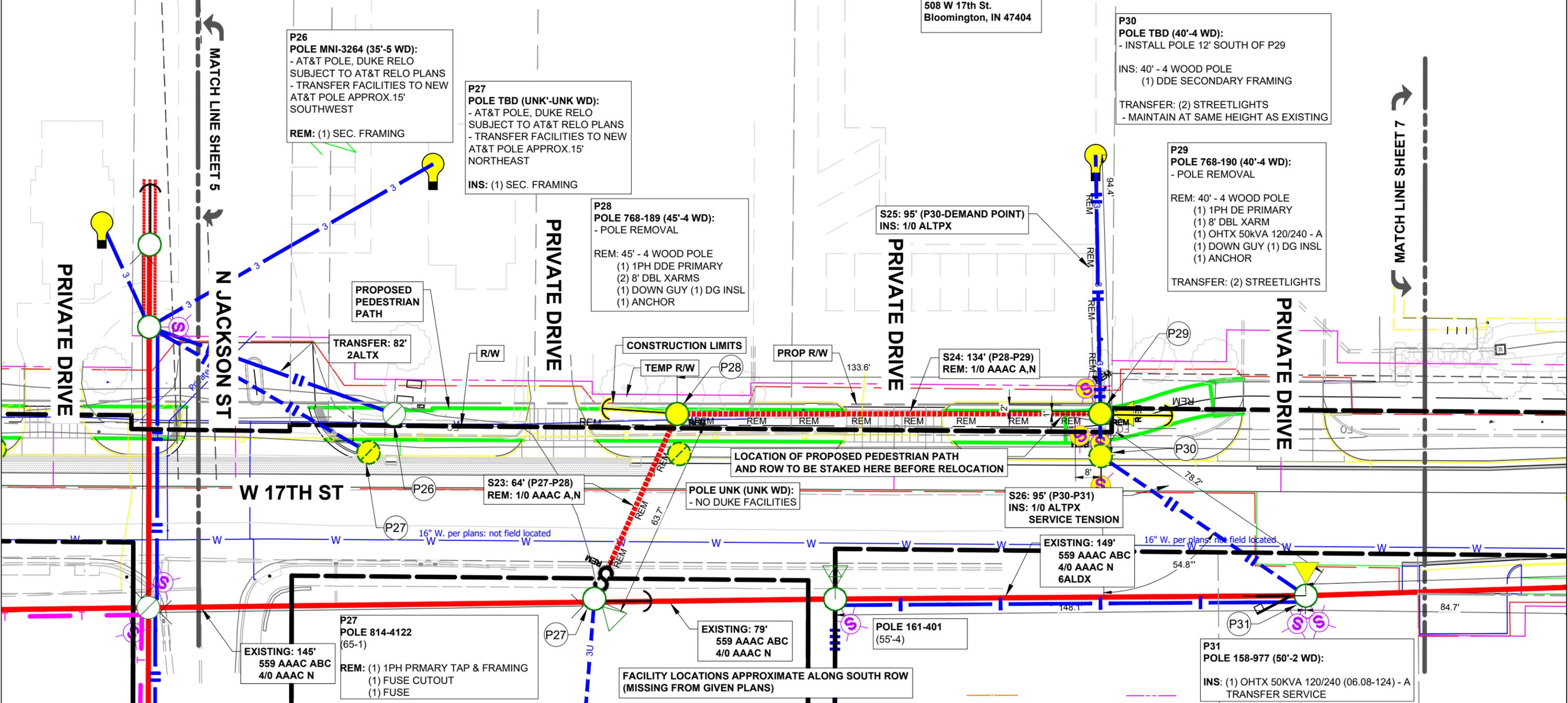
Extended Legend			
	Existing 2 PH OH Pri Line		Property Line
	Existing 1PH OH Pri Line		Existing Const. Limits
	Existing 1PH Sec OH Line		Proposed R/W
	Existing 1PH Sec UG Line		Existing Gas
	Remove 1PH Sec OH Line		Existing Water
	Remove 1PH Sec UG Line		Existing OH Telco
	Existing R/W		Existing Transmission



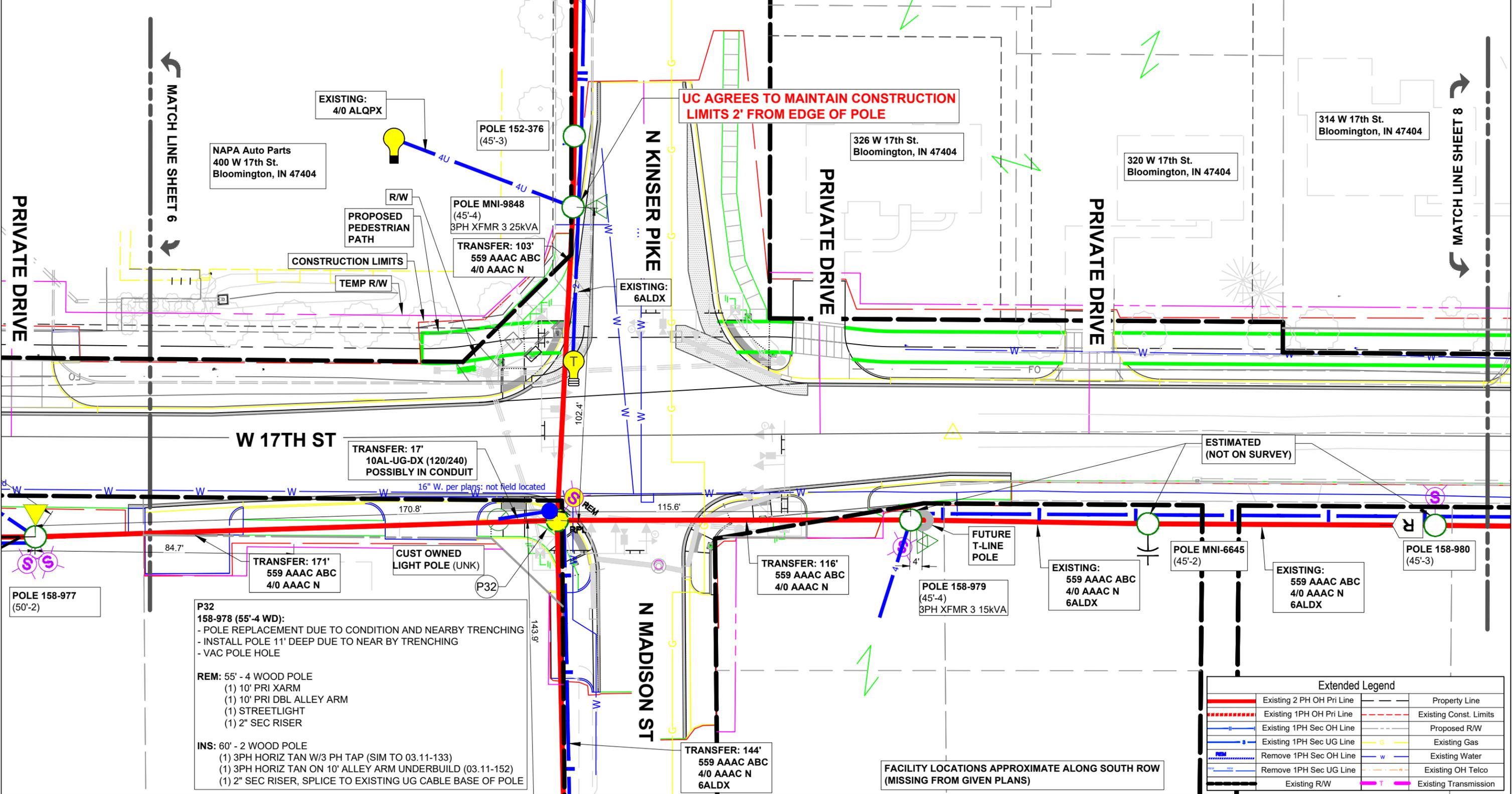


Extended Legend

Existing 2 PH OH Pri Line	Property Line
Existing 1PH OH Pri Line	Existing Const. Limits
Existing 1PH Sec OH Line	Proposed R/W
Existing 1PH Sec UG Line	Existing Gas
Remove 1PH Sec OH Line	Existing Water
Remove 1PH Sec UG Line	Existing OH Telco
Existing R/W	Existing Transmission



	General Information		Work Order Information			Circuit Information		Duke Energy Legend			<p>Know what's below. Call before you dig.</p>		INDEX 12kV DISTRIBUTION LINES	SCALE 1:30
	INDOT DES # 1900402	17TH STREET	Emax # 42045871	Distribution Project Code	OU / Center V742/S450	BLOOMINGTON NORTHWEST (770) 1271	Existing Duke Pole	Existing Downguy	DETAIL 17TH ST FROM MONROE ST TO LINCOLN ST	DATE 12/27/2021			LOCATION 39.179000° , -86.545776°	
	ROAD IMPROVEMENT	CITY OF BLOOMINGTON	MONROE COUNTY, IN	**Unknown**	Transmission	BLOOMINGTON WEST TO DUNN ST 69128	Proposed Duke Pole	Proposed Downguy	DRAWN Steve Puga	PHONE (317) 804-3880				
	BLOOMINGTON TOWNSHIP			Install	Remove	OH Maint.	UG Maint.	OU / Center	EXISTING: 149' 559 AAAC ABC 4/0 AAAC N 6ALDX	APPROVAL SIGNATURE			DWG NO SHEET 6 OF 11	



	General Information	Work Order Information	Circuit Information	Duke Energy Legend	  <p>Know what's below. Call before you dig.</p>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>INDEX</td> <td>12kV DISTRIBUTION LINES</td> <td>SCALE</td> <td>1:30</td> </tr> <tr> <td>DETAIL</td> <td colspan="3">17TH ST FROM MONROE ST TO LINCOLN ST</td> </tr> <tr> <td>DATE</td> <td>12/27/2021</td> <td>LOCATION</td> <td>39.179000°, -86.545776°</td> </tr> <tr> <td>DRAWN</td> <td>Steve Puga</td> <td>PHONE</td> <td>(317) 804-3880</td> </tr> <tr> <td>ELECTRIC TRANSMISSION & DISTRIBUTION LINE ENGINEERING</td> <td>APPROVAL SIGNATURE</td> <td>DWG NO</td> <td>SHEET 7 OF 11</td> </tr> </table>	INDEX	12kV DISTRIBUTION LINES	SCALE	1:30	DETAIL	17TH ST FROM MONROE ST TO LINCOLN ST			DATE	12/27/2021	LOCATION	39.179000°, -86.545776°	DRAWN	Steve Puga	PHONE	(317) 804-3880	ELECTRIC TRANSMISSION & DISTRIBUTION LINE ENGINEERING	APPROVAL SIGNATURE	DWG NO	SHEET 7 OF 11
	INDEX	12kV DISTRIBUTION LINES	SCALE	1:30																							
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ROAD IMPROVEMENT	17TH STREET	Emax #	42045871	Proposed Duke Pole	Proposed Downguy																						
CITY OF BLOOMINGTON	MONROE COUNTY, IN	Project Code	**Unknown**	Remove Duke Pole	Distribution Line																						
BLOOMINGTON TOWNSHIP		OU / Center	V742/S450	Existing Foreign Pole	Secondary Line																						
		Transmission	BLOOMINGTON WEST TO DUNN ST 69128	Proposed Foreign Pole	Overhead Light																						
		Install		Remove Foreign Pole	Proposed / Existing Fuse																						
		Remove																									
		OH Maint.																									
		UG Maint.																									
		OU / Center																									

Extended Legend			
	Existing 2 PH OH Pri Line		Property Line
	Existing 1PH OH Pri Line		Existing Const. Limits
	Existing 1PH Sec OH Line		Proposed R/W
	Existing 1PH Sec UG Line		Existing Gas
	Remove 1PH Sec OH Line		Existing Water
	Remove 1PH Sec UG Line		Existing OH Telco
	Existing R/W		Existing Transmission

P32 158-978 (55'-4 WD):
 - POLE REPLACEMENT DUE TO CONDITION AND NEARBY TRENCHING
 - INSTALL POLE 11' DEEP DUE TO NEAR BY TRENCHING
 - VAC POLE HOLE

REM: 55' - 4 WOOD POLE
 (1) 10' PRI XARM
 (1) 10' PRI DBL ALLEY ARM
 (1) STREETLIGHT
 (1) 2" SEC RISER

INS: 60' - 2 WOOD POLE
 (1) 3PH HORIZ TAN W/3 PH TAP (SIM TO 03.11-133)
 (1) 3PH HORIZ TAN ON 10' ALLEY ARM UNDERBUILD (03.11-152)
 (1) 2" SEC RISER, SPLICE TO EXISTING UG CABLE BASE OF POLE

FACILITY LOCATIONS APPROXIMATE ALONG SOUTH ROW
 (MISSING FROM GIVEN PLANS)



Upstream Protection
 BREAKER AT SUB: BLOOMINGTON DUNN ST (441) (12.47/7.2KV)
 515 E 13TH ST BLOOMINGTON, IN 47408
 BREAKER AT SUB: BLOOMINGTON NORTHWEST (770) (12.47/7.2KV)
 4433 W ARLINGTON RD, BLOOMINGTON, IN 47404



Safety Reminders / Adverse Conditions

Remember "Your Circle of Safety"
 ALL LOCATIONS TRUCK ACCESSIBLE



REMEMBER: Work zone area conditions may have changed for this job.
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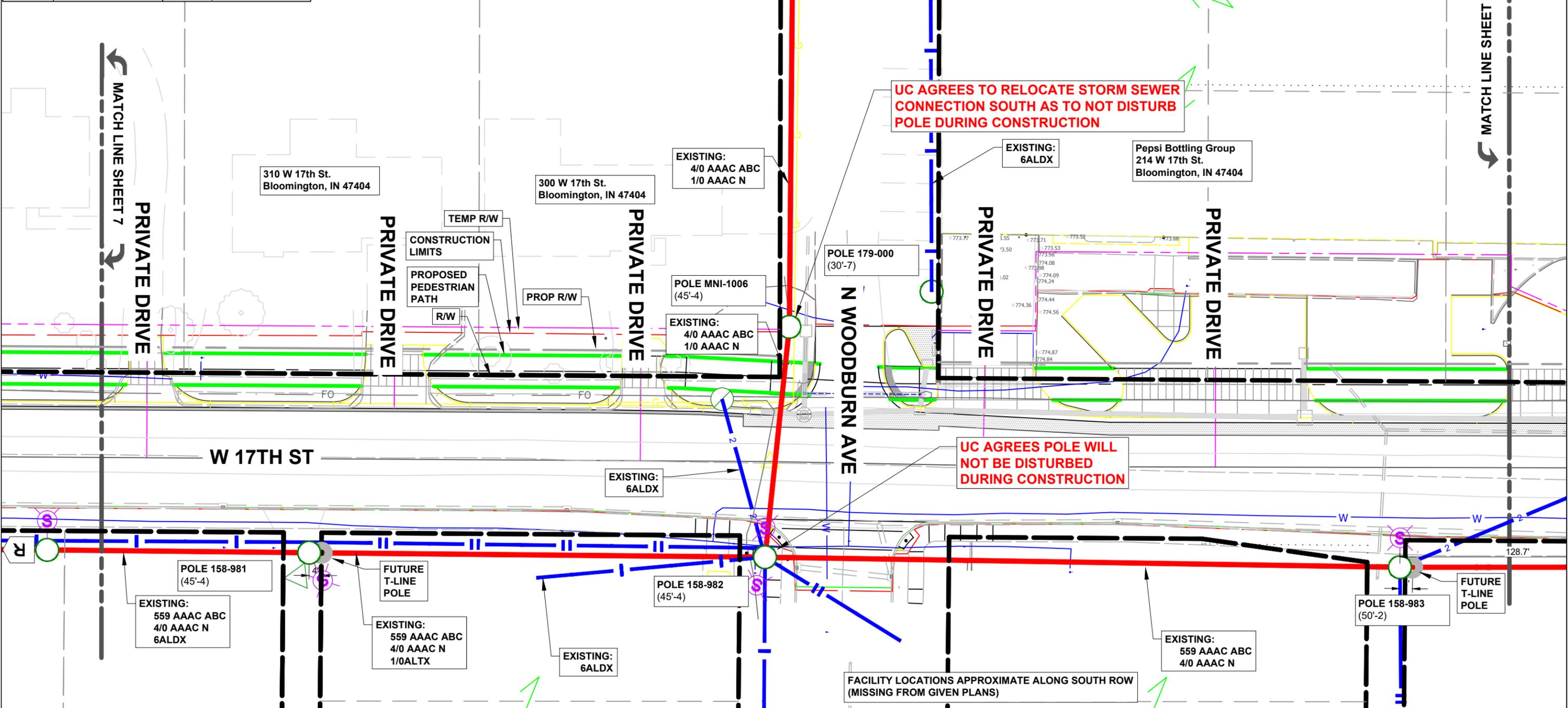
Other Project Notes

TRAFFIC FLAGGING REQUIRED
 CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS,
 INVERTS, AND GRADES PRIOR TO CONSTRUCTION

Extended Legend

	Existing 2 PH OH Pri Line		Property Line
	Existing 1PH OH Pri Line		Existing Const. Limits
	Existing 1PH Sec OH Line		Proposed R/W
	Existing 1PH Sec UG Line		Existing Gas
	Remove 1PH Sec OH Line		Existing Water
	Remove 1PH Sec UG Line		Existing OH Telco
	Existing R/W		Existing Transmission

NO CONFLICTS ON SHEET



General Information

INDOT DES #	1900402
ROAD IMPROVEMENT	17TH STREET
CITY OF BLOOMINGTON	
MONROE COUNTY, IN	
BLOOMINGTON TOWNSHIP	

Work Order Information

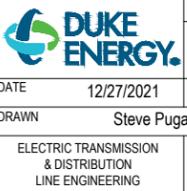
Distribution		OU / Center
Emax #	Project Code	V742/S450
42045871	**Unknown**	
Transmission		
Emax #	Install	Remove
	OH Maint.	UG Maint.
	OU / Center	

Circuit Information

Distribution	
BLOOMINGTON NORTHWEST (770) 1271	
BLOOMINGTON DUNN ST (441) 1228	
Transmission	
BLOOMINGTON WEST TO DUNN ST 69128	

Duke Energy Legend

	Existing Duke Pole		Existing Downguy
	Proposed Duke Pole		Proposed Downguy
	Remove Duke Pole		Distribution Line
	Existing Foreign Pole		Secondary Line
	Proposed Foreign Pole		Overhead Light
	Remove Foreign Pole		Proposed / Existing Fuse



INDEX 12KV DISTRIBUTION LINES **SCALE** 1:30

DETAIL 17TH ST FROM MONROE ST TO LINCOLN ST

DATE 12/27/2021 **LOCATION** 39.179000°, -86.545776°

DRAWN Steve Puga **PHONE** (317) 804-3880

ELECTRIC TRANSMISSION & DISTRIBUTION LINE ENGINEERING **APPROVAL SIGNATURE** **DWG NO** SHEET 8 OF 11



Upstream Protection
 BREAKER AT SUB: BLOOMINGTON DUNN ST (441) (12.47/7.2kV)
 515 E 13TH ST BLOOMINGTON, IN 47408
 BREAKER AT SUB: BLOOMINGTON NORTHWEST (770) (12.47/7.2kV)
 4433 W ARLINGTON RD, BLOOMINGTON, IN 47404



Safety Reminders / Adverse Conditions

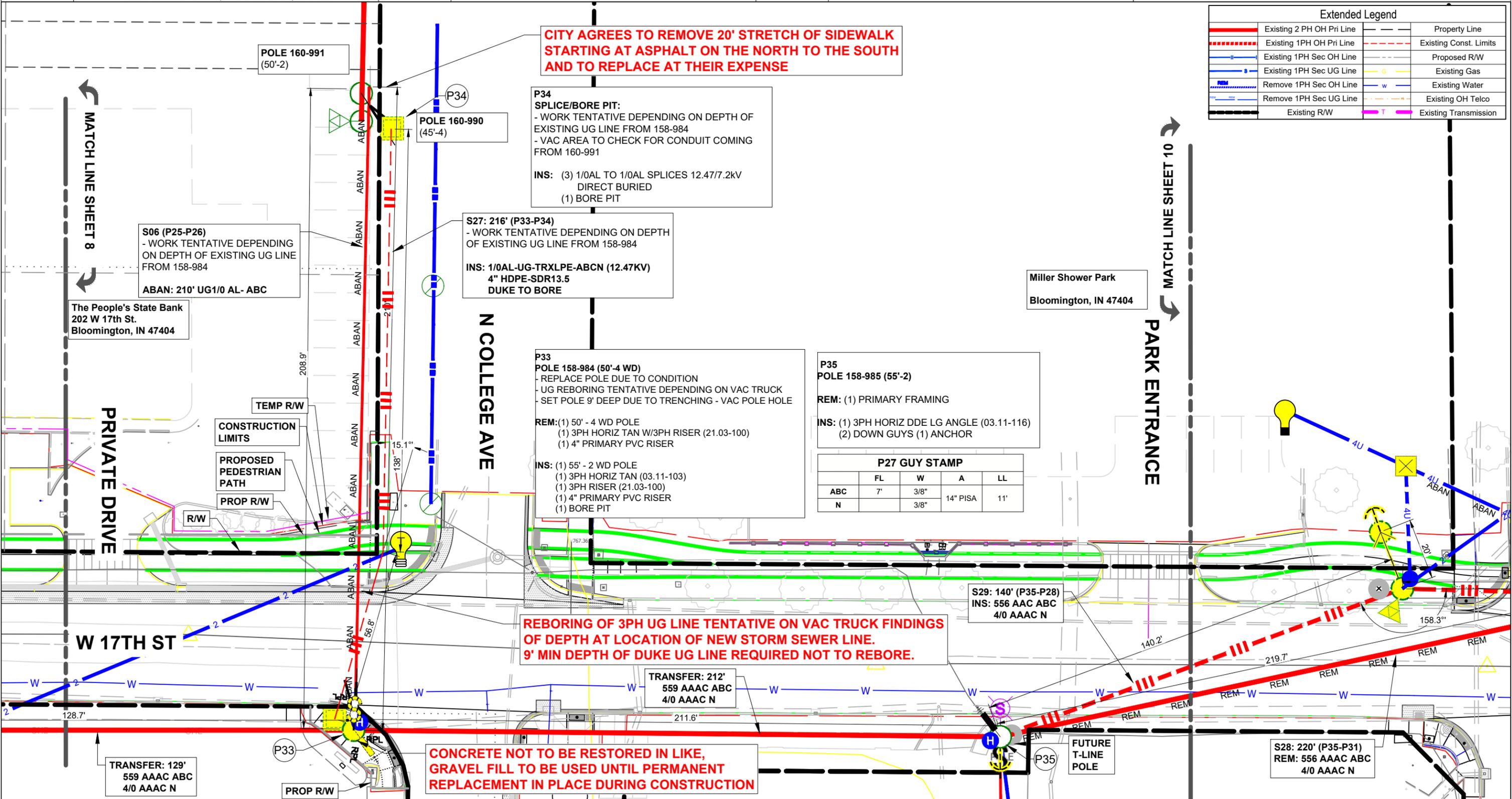
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Other Project Notes

TRAFFIC FLAGGING REQUIRED
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 INVERTS, AND GRADES PRIOR TO CONSTRUCTION



Extended Legend

	Existing 2 PH OH Pri Line		Property Line
	Existing 1PH OH Pri Line		Existing Const. Limits
	Existing 1PH Sec OH Line		Proposed R/W
	Existing 1PH Sec UG Line		Existing Gas
	Remove 1PH Sec OH Line		Existing Water
	Remove 1PH Sec UG Line		Existing OH Telco
	Existing R/W		Existing Transmission

 General Information INDOT DES # 1900402 17TH STREET ROAD IMPROVEMENT CITY OF BLOOMINGTON MONROE COUNTY, IN BLOOMINGTON TOWNSHIP	Work Order Information Distribution Emax # 42045871 Project Code **Unknown** OU / Center V742/S450			Circuit Information Distribution BLOOMINGTON NORTHWEST (770) 1271 BLOOMINGTON DUNN ST (441) 1228 Transmission BLOOMINGTON WEST TO DUNN ST 69128		Duke Energy Legend <table border="0"> <tr> <td></td> <td>Existing Duke Pole</td> <td></td> <td>Existing Downguy</td> </tr> <tr> <td></td> <td>Proposed Duke Pole</td> <td></td> <td>Proposed Downguy</td> </tr> <tr> <td></td> <td>Remove Duke Pole</td> <td></td> <td>Distribution Line</td> </tr> <tr> <td></td> <td>Existing Foreign Pole</td> <td></td> <td>Secondary Line</td> </tr> <tr> <td></td> <td>Proposed Foreign Pole</td> <td></td> <td>Overhead Light</td> </tr> <tr> <td></td> <td>Remove Foreign Pole</td> <td></td> <td>Proposed / Existing Fuse</td> </tr> </table>			Existing Duke Pole		Existing Downguy		Proposed Duke Pole		Proposed Downguy		Remove Duke Pole		Distribution Line		Existing Foreign Pole		Secondary Line		Proposed Foreign Pole		Overhead Light		Remove Foreign Pole		Proposed / Existing Fuse	 Know what's below. Call before you dig.	 DATE 12/27/2021 DRAWN Steve Puga ELECTRIC TRANSMISSION & DISTRIBUTION LINE ENGINEERING	INDEX 12kV DISTRIBUTION LINES DETAIL 17TH ST FROM MONROE ST TO LINCOLN ST LOCATION 39.179000°, -86.545776° PHONE (317) 804-3880 DWG NO SHEET 9 OF 11
		Existing Duke Pole		Existing Downguy																														
		Proposed Duke Pole		Proposed Downguy																														
		Remove Duke Pole		Distribution Line																														
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	Remove Foreign Pole		Proposed / Existing Fuse																															
Scale 1:30																																		
APPROVAL SIGNATURE																																		
DWG NO SHEET 9 OF 11																																		

SAFETYFirst
 PERSONAL ACCOUNTABILITY
 ACTIVE GAMING
 HAZARD RECOGNITION

Upstream Protection
 BREAKER AT SUB: BLOOMINGTON DUNN ST (441) (12.47/7.2kV)
 515 E 13TH ST BLOOMINGTON, IN 47408
 BREAKER AT SUB: BLOOMINGTON NORTHWEST (770) (12.47/7.2kV)
 4433 W ARLINGTON RD, BLOOMINGTON, IN 47404



Safety Reminders / Adverse Conditions
 Remember "Your Circle of Safety"
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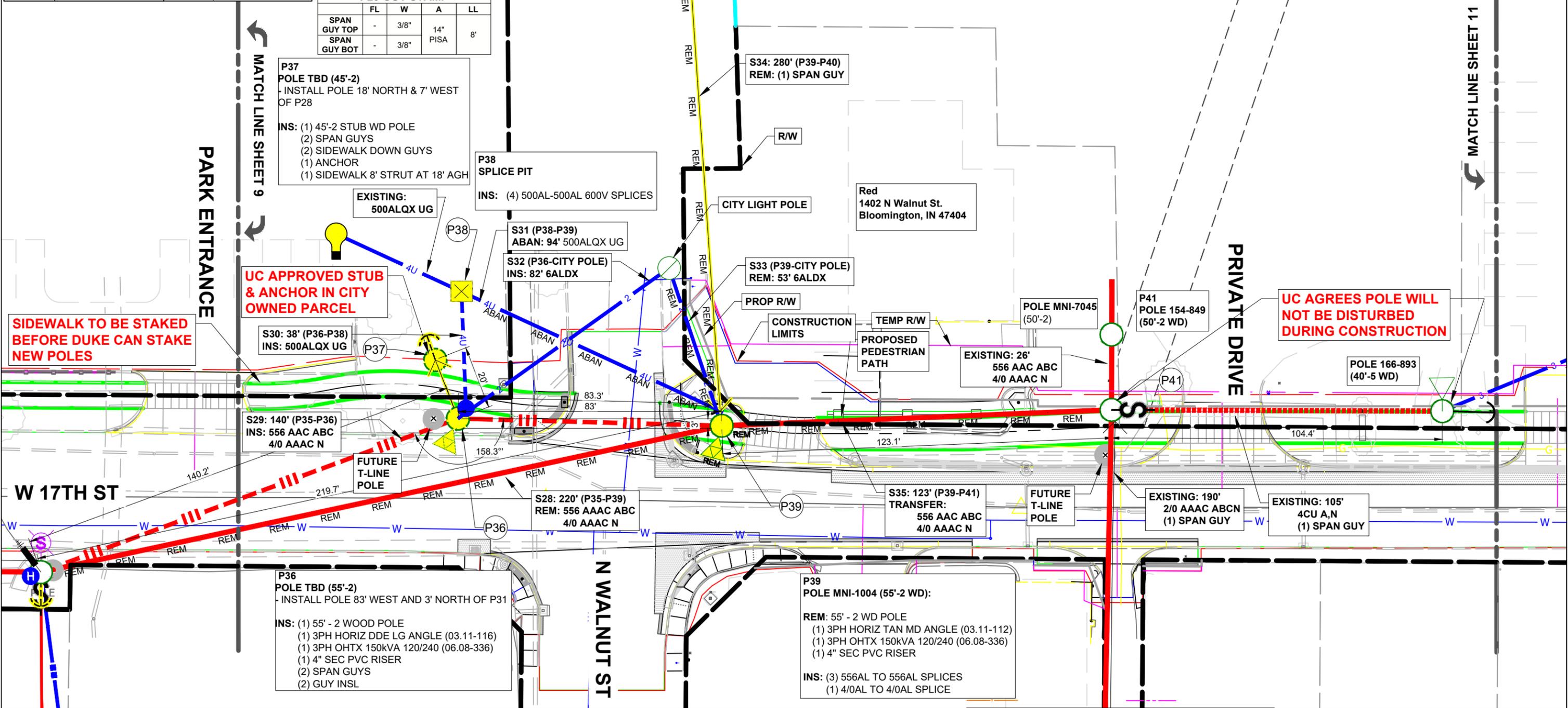
Other Project Notes
 TRAFFIC FLAGGING REQUIRED
 CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, INVERTS, AND GRADES PRIOR TO CONSTRUCTION

Extended Legend

Existing 2 PH OH Pri Line	Property Line
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Existing 1PH Sec OH Line	Proposed R/W
Existing 1PH Sec UG Line	Existing Gas
Remove 1PH Sec OH Line	Existing Water
Remove 1PH Sec UG Line	Existing OH Telco
Existing R/W	Existing Transmission

P29 GUY STAMP

	FL	W	A	LL
SPAN GUY TOP	-	3/8"	14" PISA	8'
SPAN GUY BOT	-	3/8"		



General Information

INDOT DES #	1900402
ROAD IMPROVEMENT	17TH STREET
CITY OF BLOOMINGTON	
MONROE COUNTY, IN	
BLOOMINGTON TOWNSHIP	

Work Order Information

Distribution		OU / Center	
Emax #	Project Code	OU / Center	
42045871	**Unknown**	V742/S450	
Transmission			
Emax #	Install	Remove	OH Maint. UG Maint. OU / Center

Circuit Information

Distribution	
BLOOMINGTON NORTHWEST (770) 1271	
BLOOMINGTON DUNN ST (441) 1228	
Transmission	
BLOOMINGTON WEST TO DUNN ST 69128	

Duke Energy Legend

Existing Duke Pole	Existing Downguy
Proposed Duke Pole	Proposed Downguy
Remove Duke Pole	Distribution Line
Existing Foreign Pole	Secondary Line
Proposed Foreign Pole	Overhead Light
Remove Foreign Pole	Proposed / Existing Fuse

ILLNESS ZERO INJURY

811
 Know what's below. Call before you dig.

DUKE ENERGY

INDEX	12kV DISTRIBUTION LINES	SCALE	1:30
DETAIL	17TH ST FROM MONROE ST TO LINCOLN ST		
DATE	12/27/2021	LOCATION	39.179000°, -86.545776°
DRAWN	Steve Puga	PHONE	(317) 804-3880
ELECTRIC TRANSMISSION & DISTRIBUTION LINE ENGINEERING	APPROVAL SIGNATURE	DWG NO	SHEET 10 OF 11



Upstream Protection
 BREAKER AT SUB: BLOOMINGTON DUNN ST (441) (12.47/7.2kV)
 515 E 13TH ST BLOOMINGTON, IN 47408
 BREAKER AT SUB: BLOOMINGTON NORTHWEST (770) (12.47/7.2kV)
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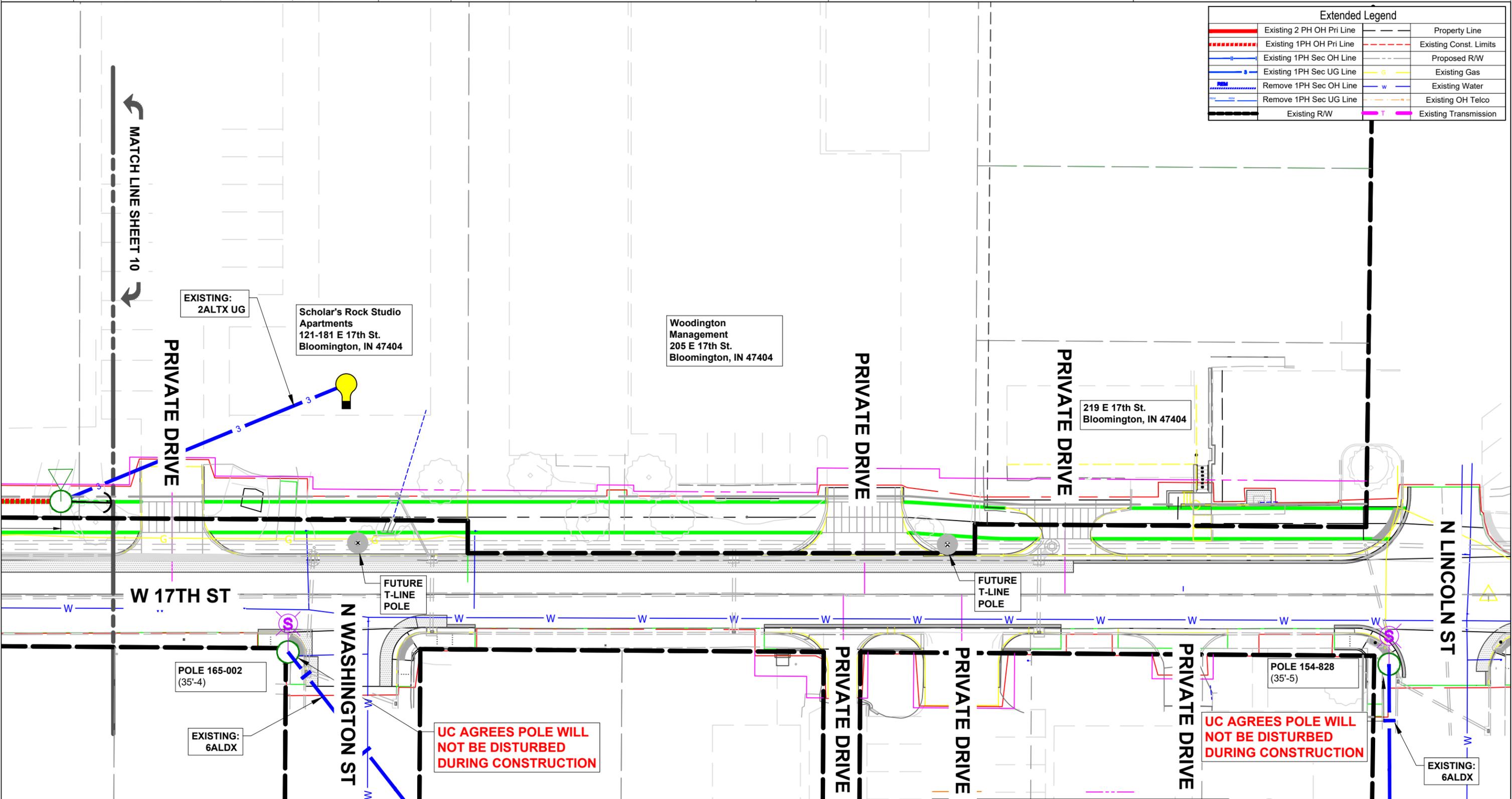


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Other Project Notes

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General Information	
INDOT DES #	1900402
17TH STREET	
ROAD IMPROVEMENT	
CITY OF BLOOMINGTON	
MONROE COUNTY, IN	
BLOOMINGTON TOWNSHIP	

Work Order Information					
Distribution					
Emax #	Project Code		OU / Center		
42045871	**Unknown**		V742/S450		
Transmission					
Emax #	Install	Remove	OH Maint.	UG Maint.	OU / Center

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