

September 29, 2016

Ms. Barcy F. McNeal  
Docketing Division  
The Public Utilities Commission of Ohio  
180 East Broad Street  
Columbus, OH 43215-3793

**Supplemental Information Letter**  
**Black River-Lorain & Carlisle-Lorain 138 kV Transmission Lines**  
**Reconductor & Rebuild Project**  
**Case No. 16-1180-EL-BLN**

Dear Ms. McNeal,

This letter provides supplemental information to the Board concerning the Black River-Lorain & Carlisle-Lorain 138 kV Transmission Line Reconductor & Rebuild Project, Case No. 16-1180-EL-BLN, which is currently before the Board. Final engineering analysis completed after the submittal of the application has shown the need for the submittal of supplemental information on four (4) minor revisions to the Project. The revisions are:

1. Structure #4140, as shown in Supplemental Exhibit 1, will be re-built as a single circuit laminated wood tangent structure, as depicted in Supplemental Exhibit 4, replacing the existing steel lattice structure. This change is necessary because of restrictions in the original easement with the railroad. The original filing called for a single circuit 3-pool wood deadend structure. The revised structure type will have no more impacts than the single circuit 3-pool wood deadend structure.
2. Structure #4129, as shown in Supplemental Exhibit 2, will be a re-built as a single circuit steel pole deadend structure with a concrete foundation, as depicted in Supplemental Exhibit 5, replacing the existing steel lattice structure. The proposed replacement structure will be located approximately 15 feet to west of the structure being removed. The proposed structure is located on Church property and the above mentioned engineering changes result in less impact to the property owner and no impacts to wetlands or sensitive areas. The original filing called for a single circuit 3-pool wood deadend structure.
3. Structure #4113, as shown in Supplemental Exhibit 3, will be re-built as a single circuit laminated wood tangent structure as depicted in Supplemental Exhibit 4, replacing the existing steel lattice structure. This change is necessary because of restrictions in the original easement. The original filing called for a single circuit 3-pool wood deadend structure. The revised structure type will have no more impacts than the single circuit 3-pool wood deadend structure.

4. Structure #4112, as shown in Supplemental Exhibit 3, will be placed approximately 10 feet east of the current structure along the existing centerline. The change was made to accommodate foundation construction for the new structure while the lines are still energized. The above mentioned engineering changes results in no additional property owner impacts and no impacts to wetlands or sensitive areas. The structure type has not changed from the original filing.

Applicant requests that the Board consider this supplemental information as part of the Application in this matter. Should the Ohio Power Siting Board desire further information or discussion of this submittal, please contact me at (330) 384-2740.

Sincerely,

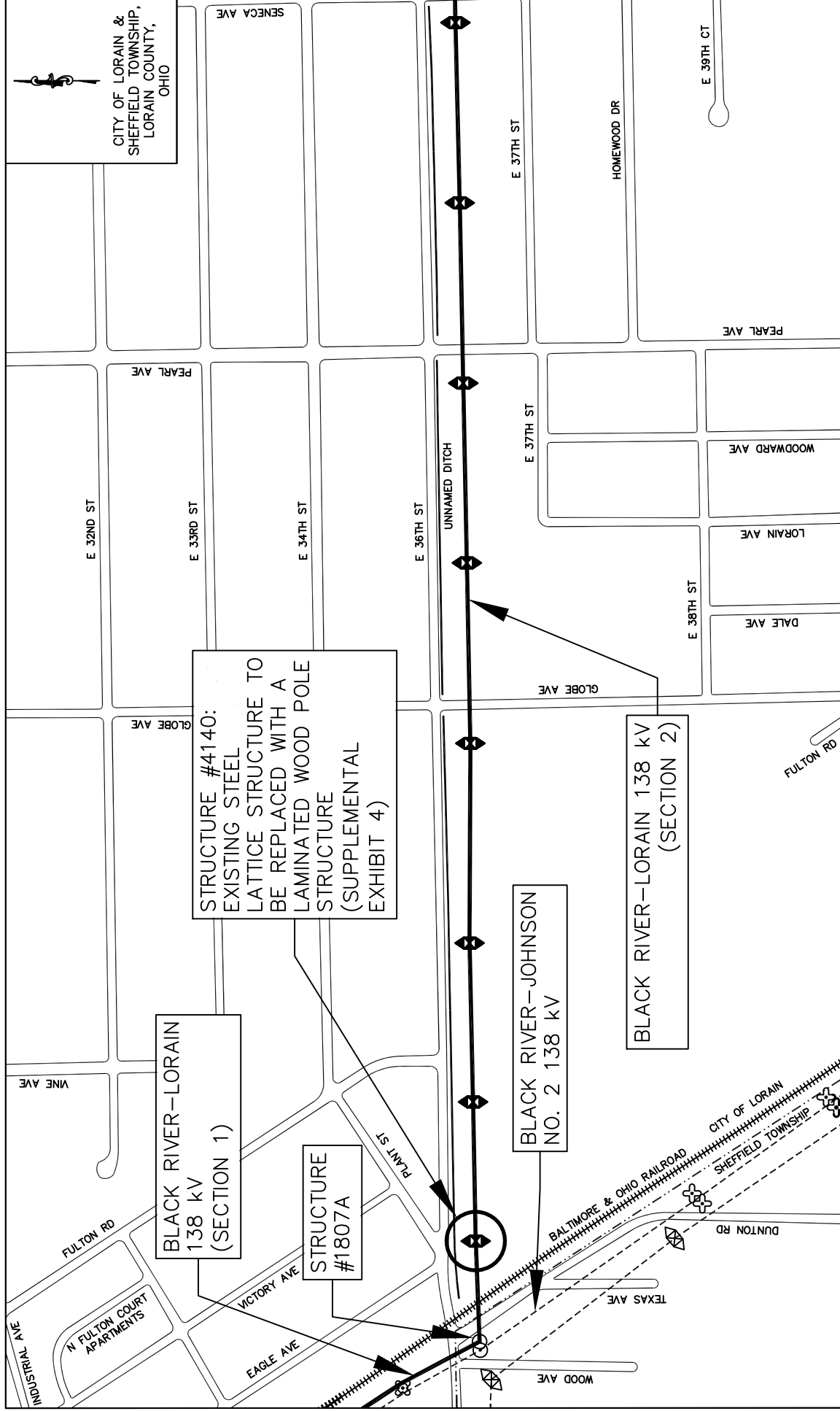


William R. Beutler

Engineer III

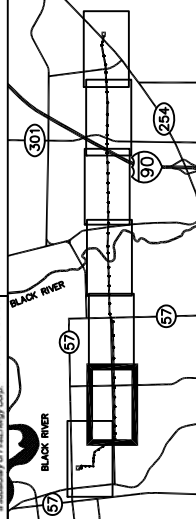
Energy Delivery Transmission and Substation Design  
FirstEnergy Service Company

cc: J. O'Dell



**LEGEND**

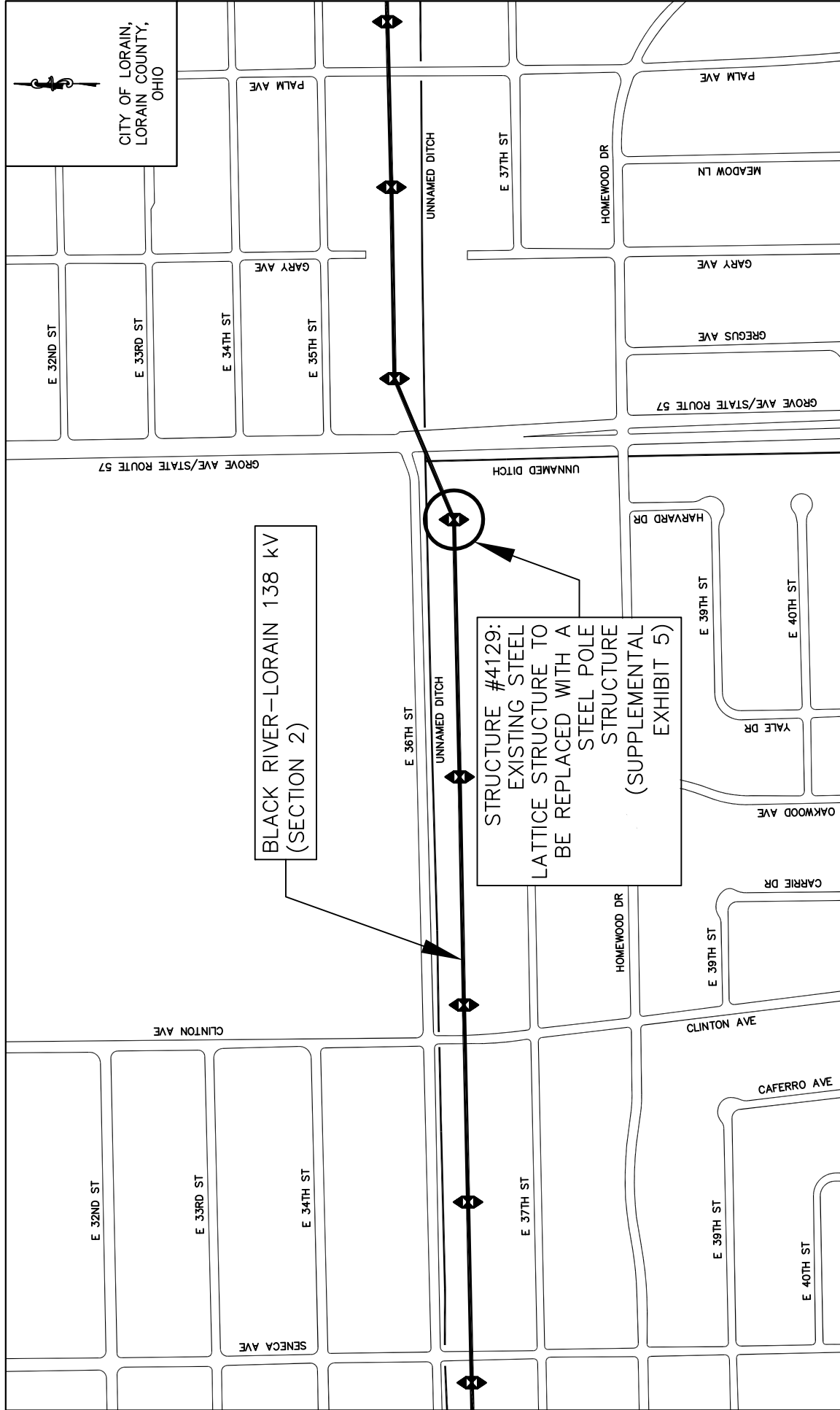
- EXISTING CONDUCTOR
- NEW CONDUCTOR
- ##### RAILROAD
- SUBSTATION FENCE LINE
- - - MUNICIPAL BOUDARY
- WATER
- EXISTING 1-POLE WOOD STRUCTURE
- EXISTING 2-POLE WOOD STRUCTURE
- EXISTING 1-POLE STEEL STRUCTURE
- EXISTING STEEL LATTICE STRUCTURE
- EXISTING STEEL LATTICE STRUCTURE TO BE REPLACED



BLACK RIVER-LORAIN & CARLISLE-LORAIN  
138 kV TRANSMISSION LINES RECONDUCTOR  
& REBUILD PROJECT

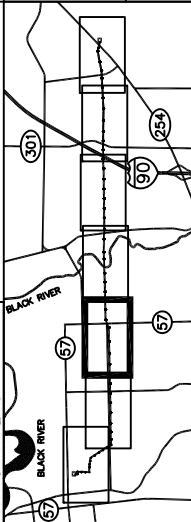
SUPPLEMENTAL EXHIBIT 1

CITY OF LORAIN &  
SHEFFIELD TOWNSHIP,  
LORAIN COUNTY,  
OHIO



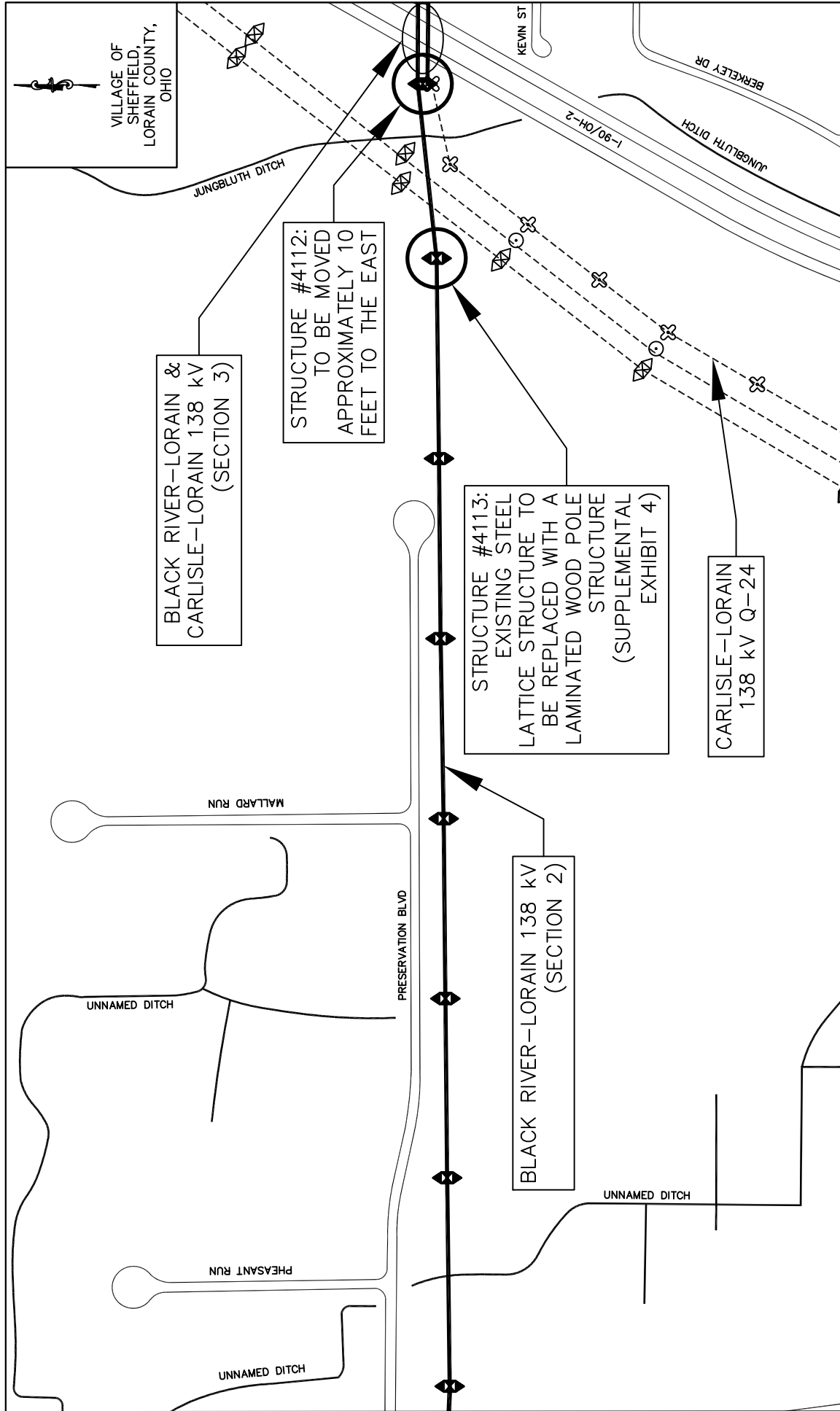
# LEGEND

- EXISTING CONDUCTOR
- NEW CONDUCTOR
- ##### RAILROAD
- SUBSTATION FENCE LINE
- - - MUNICIPAL BOUDARY
- WATER
- ⊗ EXISTING 1-POLE WOOD STRUCTURE
- ⊗ EXISTING 2-POLE WOOD STRUCTURE
- ⊙ EXISTING 1-POLE STEEL STRUCTURE
- ◁ EXISTING STEEL LATTICE STRUCTURE
- ◁ EXISTING STEEL LATTICE STRUCTURE TO BE REPLACED



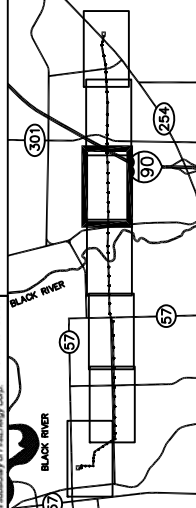
BLACK RIVER-LORAIN & CARLISLE-LORAIN  
138 kV TRANSMISSION LINES RECONDUCTOR  
& REBUILD PROJECT

SUPPLEMENTAL EXHIBIT 2



**LEGEND**

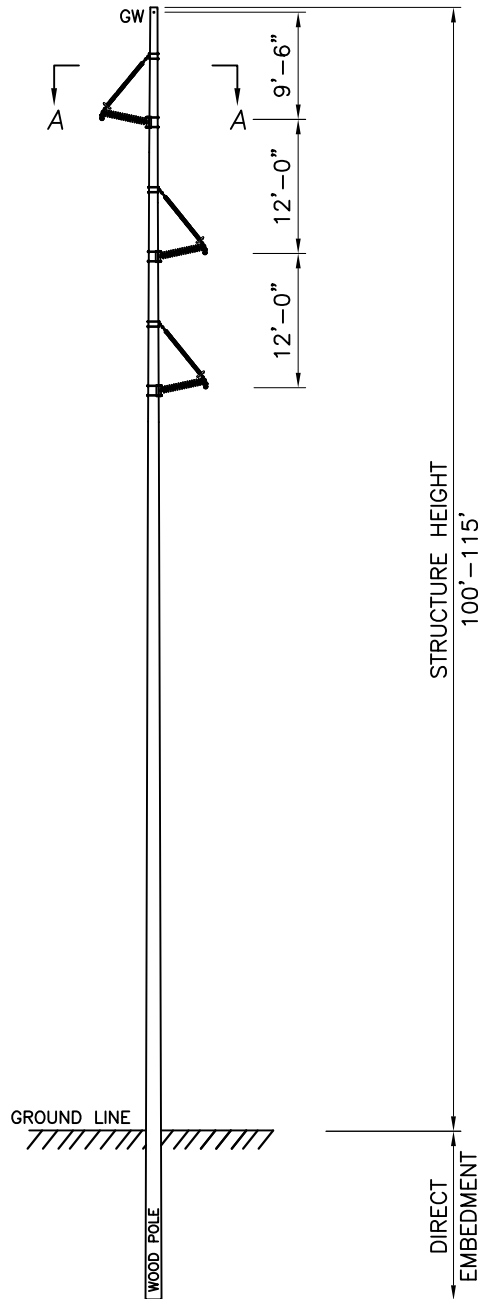
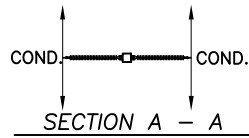
---	EXISTING CONDUCTOR	⊗	EXISTING 1-POLE WOOD STRUCTURE
—	NEW CONDUCTOR	⊗⊗	EXISTING 2-POLE WOOD STRUCTURE
#####	RAILROAD	⊙	EXISTING 1-POLE STEEL STRUCTURE
—+—	SUBSTATION FENCE LINE	◁▷	EXISTING STEEL LATTICE STRUCTURE
-.-.-	MUNICIPAL BOUNDARY	◁▷	EXISTING STEEL LATTICE STRUCTURE TO BE REPLACED
[Hatched Box]	WATER		



BLACK RIVER-LORAIN & CARLISLE-LORAIN  
138 kV TRANSMISSION LINES RECONDUCTOR  
& REBUILD PROJECT

**SUPPLEMENTAL EXHIBIT 3**

VILLAGE OF  
SHEFFIELD,  
LORAIN COUNTY,  
OHIO



\*\*NOT TO SCALE

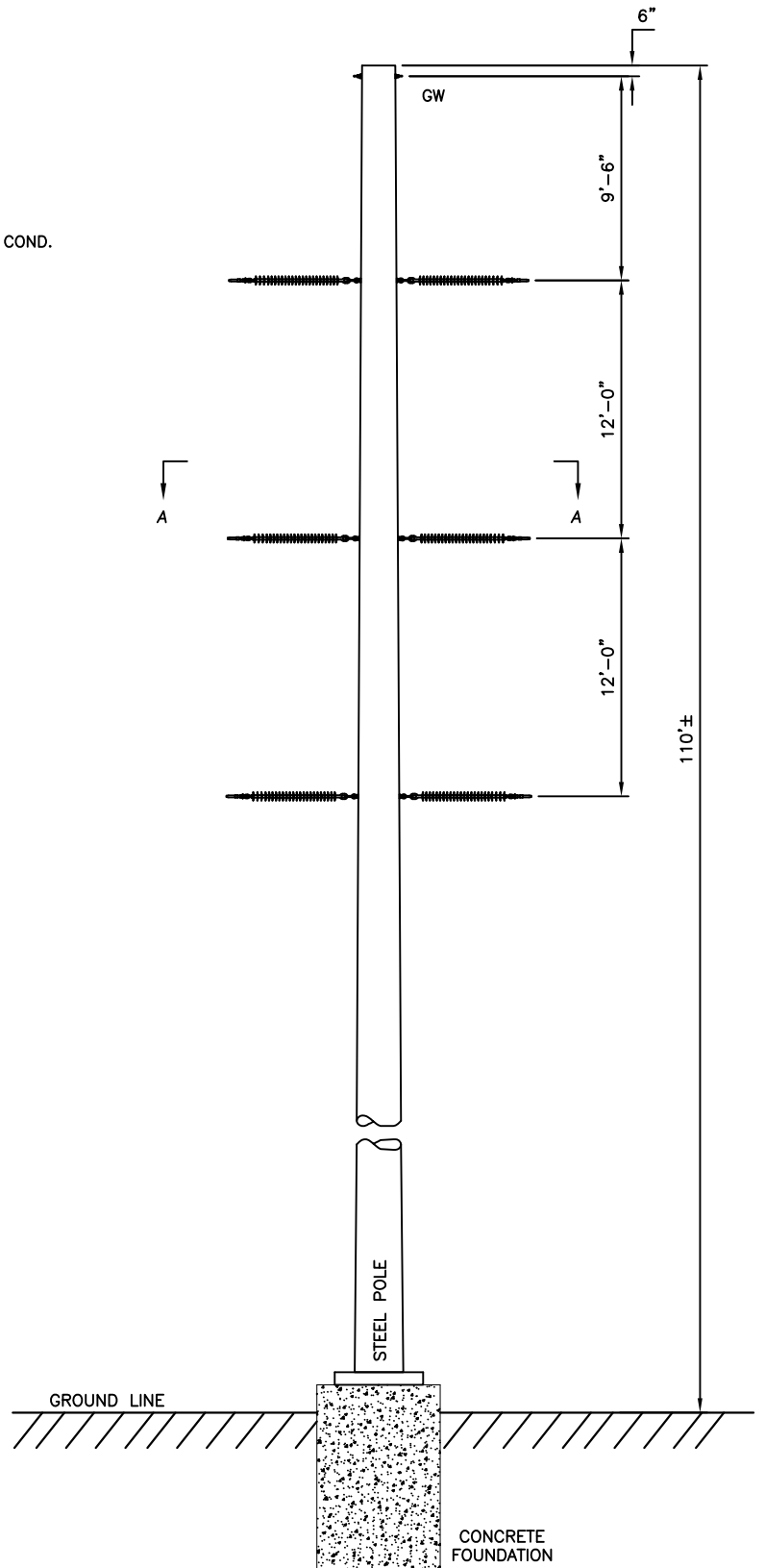
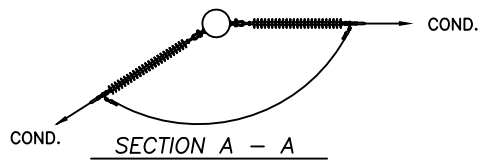
**ATSI**

American Transmission Systems, Inc.  
a subsidiary of FirstEnergy Corp.

BLACK RIVER-LORAIN & CARLISLE-LORAIN 138kV  
TRANSMISSION LINE RECONDUCTOR & REBUILD

138kV SINGLE CIRCUIT LAMINATED WOOD  
TYPICAL TANGENT STRUCTURE

SUPPLEMENTAL EXHIBIT 4



\*\*NOT TO SCALE

**ATSI**

American Transmission Systems, Inc.  
a subsidiary of FirstEnergy Corp.

BLACK RIVER-LORAIN & CARLISLE-LORAIN 138kV  
TRANSMISSION LINES RECONDUCTOR & REBUILD

138kV SINGLE CIRCUIT STEEL POLE  
TYPICAL DEADEND STRUCTURE

SUPPLEMENTAL EXHIBIT 5

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**9/29/2016 3:59:56 PM**

**in**

**Case No(s). 16-1180-EL-BLN**

Summary: Notification of Submittal of Supplemental Information concerning Project electronically filed by Mr. Robert J Schmidt on behalf of American Transmission Systems Inc.