A-2023-3043963

CERTIFIED CORRECT PLANS

Will M. [illegible] P.E.
Professional Engineer
Approved by Bureau of Technical Utility Services

PA PUBLIC UTILITY COMMISSION

ATTEST Rosemary Chiavetta
Secretary

GIGAPOWER

GridE FAN Backhaul

PROPOSED FIBER OPTIC AERIAL BUILD

DELAWARE-LACKAWANNA RAIL CROSSING
4001PC RR CROSSING
SCRANTON, PA
LACKAWANNA COUNTY

CONTACT INFORMATION

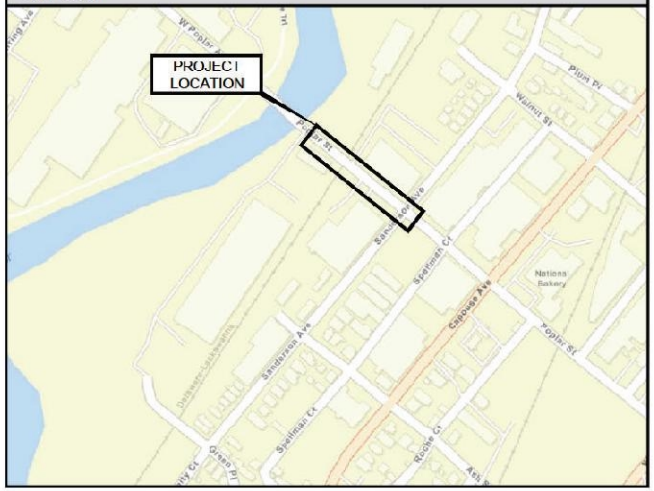
OWNER:

GIGAPOWER

CONTRACTOR:

CORNING

SITE MAP



DRAWING INDEX

SHEET	TITLE
1	COVER
2	TYPICALS
3	PLAN VIEW
4	PROFILE VIEW

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

LEGEND

JO NT POLE	STREET LIGHT	EXIST NG RISER	
JO NT POLE W / TRANSFORMER	EXISTING GUY	EXIST NG GROUND	
POWER POLE	PROPOSED GUY	PROPOSED RISER W/ FOOTAGE	R+20'
POWER POLE W/TRANSFORMER	PROP. SIDEWALK GUY	SPLICE POINT	
TELEPHONE POLE	OVERHEAD GUY	SLACK LOOP	

LINETYPES

- CURB LINE
- UNDERGROUND LEASED
- NEW UNDERGROUND
- PROPOSED AERIAL FIBER
- RIGHT OF WAY

POLE COUNT TOTAL: 2 CT	UNDERGROUND TOTAL FT.: 0 FT
ANCHOR/DOWN GUY TOTAL: 0 CT	AERIAL STRAND TOTAL: 110 FT
BONDS TOTAL CT: 0 CT	AERIAL CABLE FT: 110 FT

DRAWING SCALE: N.T.S.

OWNER: GIGAPOWER

CONTRACTOR: CORNING

TITLE: PROPOSED FIBER OPTIC AERIAL BUILD
DELAWARE-LACKAWANNA RAIL CROSSING
4001PC RR CROSSING
SCRANTON, PA

PROJECT NUMBER: 4001PC RR CROSSING

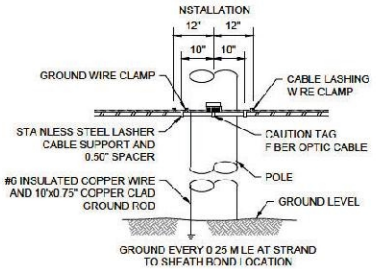
DRAWN BY: CKJ DATE DRAWN: 09/25/2023

NO.	DATE	DESCRIPTION	BY
	09/25/23	PERMIT	CKJ

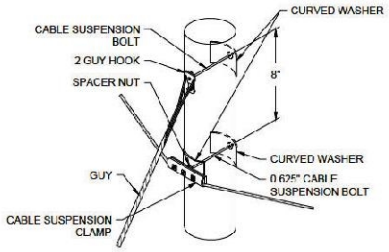
REVISIONS

SHEET NUMBER 1

GENERAL AERIAL CONSTRUCTION DETAILS



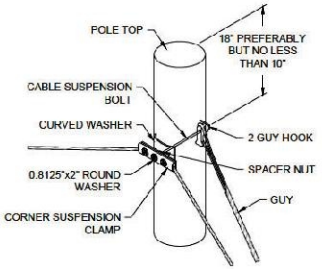
TYPICAL DETAIL "B"
TYPICAL CABLE & HARDWARE



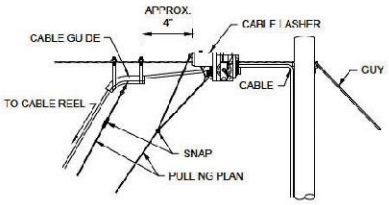
TYPICAL DETAIL "C"
SUSPENSION STRAND - PULL TOWARD POLE - LESS THAN 5 FEET

AERIAL CONSTRUCTION NOTES

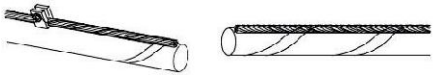
1. STRAND CONSTRUCTION SHALL CONFORM TO MATERIAL CONTAINED IN THE NATIONAL ELECTRIC SAFETY CODE (NESC), INCLUDING SECTION 25, ALONG WITH RELEVANT NEC, OSHA, AND UTILITY RULES AND STANDARDS. ALL DESIGN SHALL INSURE THE APPROPRIATE STORM LOAD DISTRICTS ARE USED AS DEFINED BY THE NESC.
2. STRAND SHALL BE A MINIMUM OF 6.8M EHS (CLASS A GALVANIZED) OR STRONGER AS REQUIRED BY THE NESC OR CONTROLLING STANDARDS.
3. STRAND SHALL BE SAGGED AND TENSIONED IN ACCORDANCE WITH APPROPRIATE CODE, UTILITY AGREEMENTS, AND STANDARD INDUSTRY ACCEPTED PRACTICES. ALL DOWN GUYS SHALL HAVE A MINIMUM OF 8 FT OF YELLOW DOWN GUY MARKER INSTALLED ON THE DOWN GUY STRAND.
4. ALL ANCHORS SHALL BE SCREW TYPE ANCHORS, AND PLACEMENT, SIZE, AND DETAILS OF THE ANCHORS SHALL BE DOCUMENTED ON THE DESIGN DRAWINGS. ANCHOR SPACING MUST BE PER POWER COMPANY STANDARDS.
5. ALL AERIAL HARDWARE SHALL BE GALVANIZED STEEL.
6. GROUNDING OF THE STRAND AND ASSOCIATED CABLE SHALL BE PER POWER COMPANY STANDARDS, AND SHALL CONFORM TO GROUNDING STANDARDS OUTLINED WITHIN THE NESC, NEC, AND RELEVANT UTILITY STANDARDS.
7. ALL STRAND INSTALLATION SHALL BE IN ACCORDANCE WITH THE UTILITY LICENSE GRANTED TO DOBSON FIBER FOR THE PLACEMENT OF STRAND, INCLUDING ATTACHMENT LOCATION, GUYING, AND GROUNDING.



TYPICAL DETAIL "D"
SUSPENSION STRAND - PULL AWAY FROM POLE - 5 FEET OR MORE



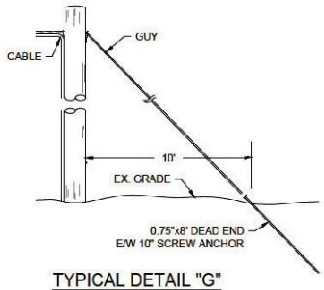
TYPICAL DETAIL "E"
TYPICAL ARRANGEMENT OF CABLE LASHER AND CABLE GUIDE



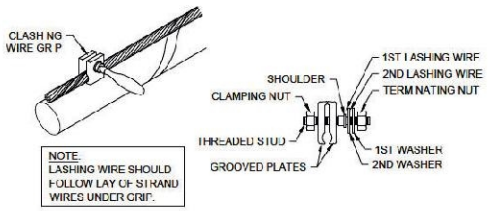
FORMING WIRE OVER STUD OF CLAMP
REMOVE ANY SLACK IN THE LASHING WIRE BY MAINTAINING A PULL ON THE WIRE AND TAPPING THE STRAND SHARPLY. THEN FORM THE WIRE OVER THE STUD AND TIGHTEN THE NUT. CUT THE FREE END OF THE LASHING WIRE OFF 0.75. BEYOND THE END OF THE CLAMP.

FORMING LASHING WIRE AROUND STRAND
FORM THE LASHING WIRE AROUND THE STRAND AND PLACE IT BELOW THE STUD AND BETWEEN THE SECOND WASHER AND STUD SHOULDER.

TYPICAL DETAIL "F"
JOINING 6#5 LASHING WIRE

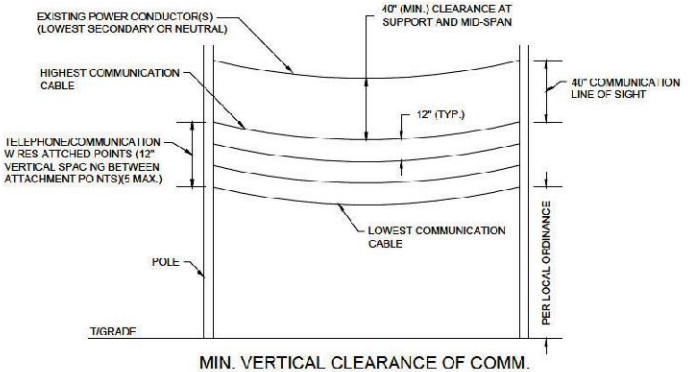


TYPICAL DETAIL "G"
ANCHOR & DOWN GUY



NOTE:
LASHING WIRE SHOULD FOLLOW LAY OF STRAND WIRES UNDER GRIP.

TYPICAL DETAIL "H"
LASHING WIRE GRIP AND CLAMP



MIN. VERTICAL CLEARANCE OF COMM. CABLES

LEGEND

JOINT POLE	⊗	STREET LIGHT	☼	EXISTING RISER	ⓔⓒⓞⓣⓣ
JOINT POLE W / TRANSFORMER	⊠	EXISTING GUY	→	EXISTING GROUND	⏚
POWER POLE	×	PROPOSED GUY	≺	PROPOSED RISER W/ FOOTAGE	● R+20'
POWER POLE W/TRANSFORMER	⊠	PROP. SIDEWALK GUY	⅄	SPLICE POINT	⋈
TELEPHONE POLE	○	OVERHEAD GUY	\\	SLACK LOOP	⌀

LINETYPES

- CURB LINE
- UNDERGROUND LEASED
- NEW UNDERGROUND
- PROPOSED AERIAL FIBER
- RIGHT OF WAY

POLE COUNT TOTAL: N/A	UNDERGROUND TOTAL FT.: N/A
ANCHOR/DOWN GUY TOTAL: N/A	AERIAL STRAND TOTAL: N/A
BONDS TOTAL CT: N/A	AERIAL CABLE FT: N/A

DRAWING SCALE: N.T.S.

OWNER: GIGAPOWER

CONTRACTOR: CORNING

TITLE:
PROPOSED FIBER OPTIC AERIAL BUILD
DELAWARE-LACKAWANNA RAIL CROSSING
4001PC RR CROSSING
SCRANTON, PA

PROJECT NUMBER: 4001PC RR CROSSING

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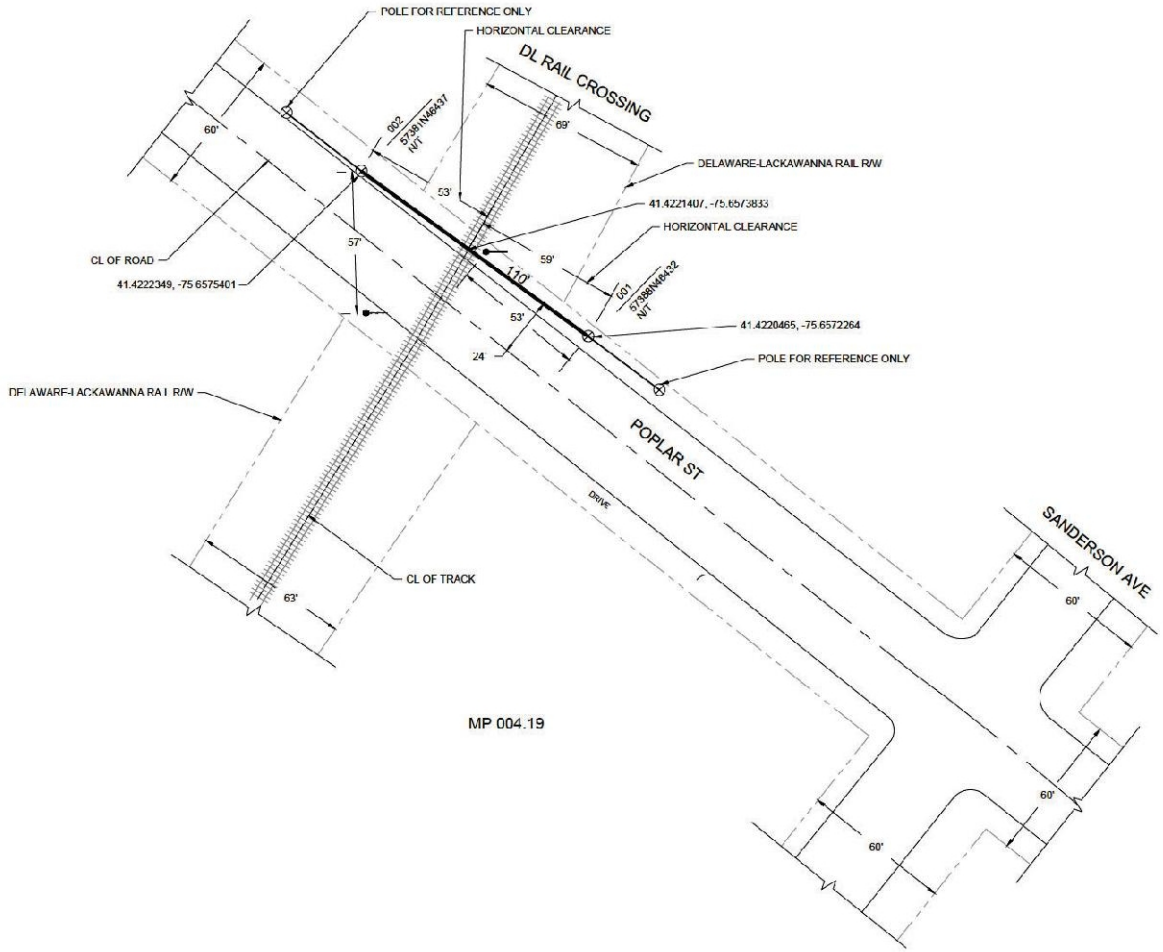
REVISIONS

SHEET NUMBER: 2

PLAN VIEW



HORIZONTAL SCALE 1" = 50'
60 26 0 50 100

U.S. DOT CROSSING INVENTORY
DL RAILROAD
POPLAR ST.
SCRANTON, PA.
MP 0004.19 (NEAREST)
LAT: 41.4221026
LONG: -75.6574292

LEGEND

JO NT POLE	⊗	STREET LIGHT	☼	EXIST NG RISER	⊙⊙⊙⊙
JO NT POLE W / TRANSFORMER	⊠	EXISTING GUY	→	EXIST NG GROUND	⏚
POWER POLE	×	PROPOSED GUY	≺	PROPOSED RISER W/ FOOTAGE	● R+20'
POWER POLE W/TRANSFORMER	⊠	PROP. SIDEWALK GUY	⅄	SPLICE POINT	⋈
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LINETYPES

- CURB LINE
- UNDERGROUND LEASED
- NEW UNDERGROUND
- PROPOSED AERIAL FIBER
- RIGHT OF WAY

POLE COUNT TOTAL: 2 CT	UNDERGROUND TOTAL FT.: 0 FT
ANCHOR/DOWN GUY TOTAL: 0 CT	AERIAL STRAND TOTAL: 110 FT
BONDS TOTAL CT: 0 CT	AERIAL CABLE FT: 110 FT

N

DRAWING SCALE: 1" = 50'

OWNER: GIGAPOWER

CONTRACTOR: CORNING

TITLE:
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DATE DRAWN: 09/25/2023

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	09/25/23	PERMIT	CKJ

REVISIONS

SHEET NUMBER: 3

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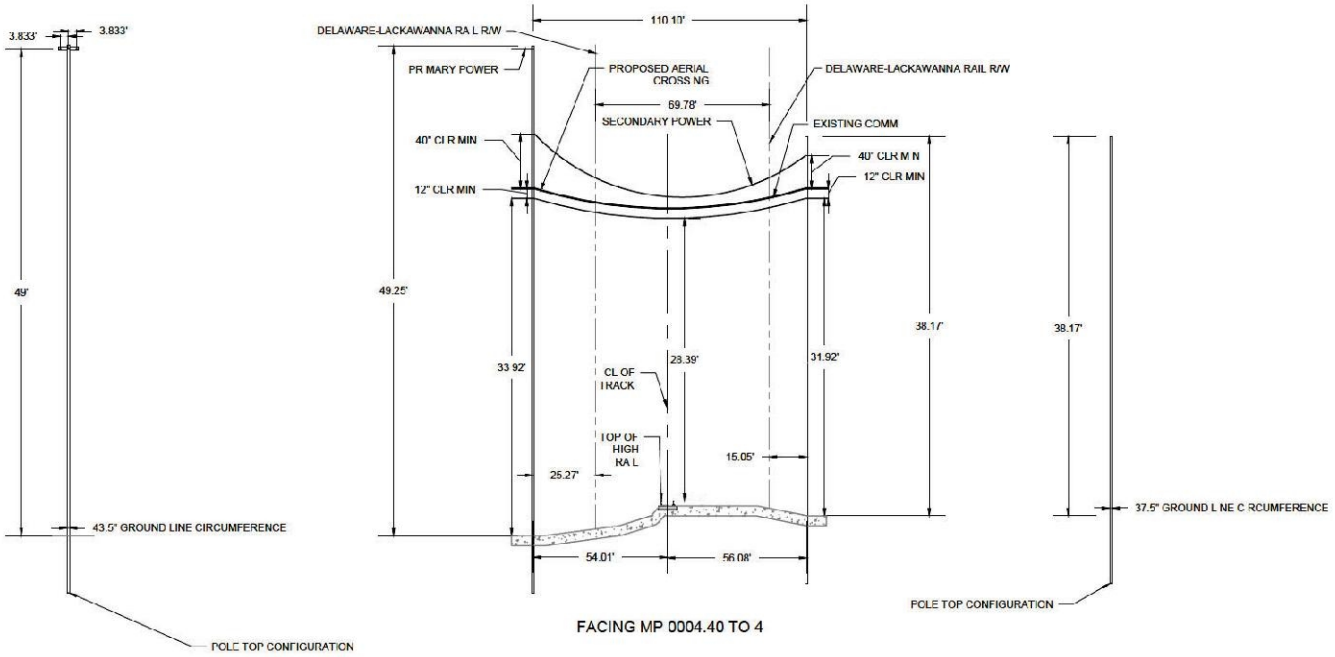
PROFILE VIEW

DELAWARE-LACKAWANNA RAIL AERIAL CROSSING



FACING MP 0004.40 TO 4

VERTICAL SCALE 1" = 12.5'
6.25 3.125 0 6.25 12.5

HORIZONTAL SCALE 1" = 50'
50 25 0 50 100

LEGEND

JO NT POLE	⊗	STREET LIGHT	☼	EXIST NG RISER	⊙⊙⊙⊙
JO NT POLE W / TRANSFORMER	⊠	EXISTING GUY	→	EXIST NG GROUND	⊣⊢
POWER POLE	×	PROPOSED GUY	≺	PROPOSED RISER W/ FOOTAGE	● R+20'
POWER POLE W/TRANSFORMER	⊠	PROP. SIDEWALK GUY	⊼	SPLICE POINT	⋈
TELEPHONE POLE	○	OVERHEAD GUY	\\	SLACK LOOP	⊂⊃

LINETYPES

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- RIGHT OF WAY

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ANCHOR/DOWN GUY TOTAL: N/A	AERIAL STRAND TOTAL: N/A
BONDS TOTAL CT: N/A	AERIAL CABLE FT: N/A

DRAWING SCALE: AS NOTED

OWNER: GIGAPOWER

CONTRACTOR: CORNING

TITLE: PROPOSED FIBER OPTIC AERIAL BUILD

DELAWARE-LACKAWANNA RAIL CROSSING

4001PC RR CROSSING

SCRANTON, PA

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REVISIONS

SHEET NUMBER 4

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