



**U.S. Army Corps
of Engineers**
Baltimore District

Public Notice

In Reply to Application Number
CENAB-OP-RMS (Delmarva Power and Light-Piney Grove
to Wattsville) 2015-61739

PN 16-15

Comment Period: March 25, 2016 to April 25, 2016

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC ABOUT THE WORK DESCRIBED BELOW. AT THIS TIME, NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED.

The Baltimore District has received an application for a Department of the Army (DA) permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act (33 U.S.C. 1344), as described below:

APPLICANT: Delmarva Power & Light
C/o Mark Marini
P.O. Box 9239
Newark, Delaware 19714

LOCATION: In the Pocomoke River and Swan's Gut Creek and in wetlands adjacent to unnamed tributaries to Sturges Creek; Mount Olive Branch; Nassawango Creek; Campground Branch; Pocomoke River; Purnell Branch; Patty's Branch; unnamed tributaries to Patty's Branch; Hardship Branch; Kelly Mill Branch; Spring Hill Branch; Tarr Branch; unnamed tributaries to Tarr Branch; Pikes Creek; unnamed tributaries to Pikes Creek; Riley Creek; Little Mill Creek; Marshall Mill Run; Bunn Ditch; Swan's Gut Creek; and unnamed tributaries to Swan's Gut Creek between the Piney Grove substation at 3779 Layfield Road in Salisbury, Wicomico County, Maryland to the Kenney substation at 62609 Public Landing Road in Snow Hill, Worcester County, Maryland and south to the Maryland-Virginia State line.

WORK: The proposed project would upgrade an existing electrical line on wooden poles. The applicant proposes to cut the existing wooden poles at grade and remove to an upland disposal site; to replace approximately 24.75 miles of a 69 kV electrical utility line, including the replacement of wooden poles, as necessary, with single-pole steel structures driven directly into the ground as drilled piers, on caisson sockets, or with bolted flanges. Pole foundation diameters would vary from 6.5 feet to 11 feet, impacted between approximately 33 square feet and 95 square feet for each foundation. The project would include the installation of 110 new single-pole steel structures within non-tidal wetlands, resulting in permanent impacts to approximately 0.16 acres of nontidal wetlands and 0.02 acres of tidal wetlands. The proposed project would also include the replacement of approximately 2,609 linear feet of 69kV overhead utility line and the installation of a new 138 kV overhead utility line approximately 43 feet above the mean high water level of the Pocomoke River and the replacement of approximately 119 linear feet of 69kV overhead utility line and the installation of a new 138 kV overhead utility line approximately 64.7 feet above the MHW level of Swan's Gut Creek.

Temporary composite interlocking mats would be utilized during construction and would result in temporary impacts to approximately 24.38 acres of nontidal wetlands and 2.14 acres of tidal wetlands. The applicant proposes to remediate impacts to wetlands associated with the utilization of mats following completion of construction.

All work is to be completed in accordance with the proposed plan(s). More detailed impact plates are available upon request. If you have any questions concerning this matter, please contact Ms. Laura Shively of this office at (410) 962-6011 or via email at laura.shively@usace.army.mil. Any questions or concerns about your property may be directed to Mr. Chuck Moor of Delmarva Power & Light Company at (410) 860-6438 or charles.moore@delmarva.com.

As part of the planning process for the proposed project, steps were taken to ensure avoidance and minimization of impacts to waters of the United States to the maximum extent practicable. The majority of the project would be replacement of existing poles in close proximity to the original wooden pole position. Portions of the utility line were re-aligned, including shifting of pole positions within the existing right of way, to reduce the number of poles within wetlands and to reduce impacts to waters of the United States. The new single-pole steel structures are proposed in close proximity to current pole locations or within uplands to reduce impacts to existing wetland habitat and the existing poles would be cut at the substrate and disposed at an off-site location to reduce permanent impacts and soil disturbance within wetland areas. The applicant has proposed to remediate all temporary access impacts following completion of the work. Compensatory mitigation is not being proposed by the applicant for permanent impacts to nontidal wetlands at this time.

The purpose of the project is to improve electrical supply to meet local electricity demands.

The project site lies in or adjacent to EFH as described under MSFCMA for *Pleuronectes americanus* (winter flounder), *Scophthalmus aquosus* (windowpane flounder), *Pomatomus saltatrix* (blue fish), *Stenotomus chrysops* (scup), *Centropristus striata* (black sea bass), and *Paralichthys dentatus* (summer flounder) juvenile and adult; *Urophycis chuss* (red hake) eggs, larvae, and juvenile; *Peprilus triacanthus* (Atlantic butterfish) and *Sphyrna lewini* (scalloped hammerhead shark) juvenile; *Clupea harengus* (Atlantic sea herring) and *Prionace glauca* (blue shark) adult; *Odontaspis taurus* (sand tiger shark) larvae and adult; *Squatina dumerili* (Atlantic angel shark) and *Charcharinus plumbeus* (sandbar shark) larvae, juvenile, and adult; *Charcharinus obscurus* (dusky shark) and *Galeocerdo cuvieri* (tiger shark) larvae; and eggs, larvae, juvenile, and adult stages of *Scomberomorus cavalla* (king mackerel), *Scomberomorus maculatus* (spanish mackerel), and *Rachycentron canadum* (cobia); all managed species under the MSFCMA.

The project has the potential to adversely affect EFH or the species of concern by alteration of spawning, nursery, forage and/or shelter habitat. The project may have an adverse effect on approximately 2.14 acres of EFH as described under the MSFCMA for the species and life stages identified above. This habitat consists of a mostly intertidal marsh habitat that does not support submerged aquatic vegetation (SAV) or hard clams (*Mercenari mercenari*). The proposed project would temporarily disturb approximately 2.14 acres of tidal wetlands; and permanently impact 0.02 acres of tidal wetlands. However, the District Engineer has made a preliminary determination that site-specific impacts would not be substantial and an abbreviated consultation will be conducted with NMFS. Temporary impacts would be remediated following completion of the proposed work. No mitigative measures are recommended to minimize adverse effects on EFH at this time. This determination may be modified if additional information indicates otherwise and would change the preliminary determination.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation,

water supply and conservation, water quality, energy needs, safety, food and fiber production, and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above.

Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments provided will become part of the public record for this action. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the District Engineer, U.S. Army Corps of Engineers, Baltimore District, PO Box 1715, Baltimore, Maryland 21203-1715, within the comment period as specified above to receive consideration.

The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act from the Maryland Department of the Environment. Any written comments concerning the work described above which relate to water quality certification must be received by the Wetlands and Waterways Program, Maryland Department of the Environment, 1800 Washington Blvd. Suite 430, Baltimore, Maryland 21230 within the comment period as specified above to receive consideration. The 401 certifying agency has a statutory limit of one year to make its decision.

The applicant has certified in this application that the proposed activity complies with and will be conducted in a manner consistent with the Maryland Coastal Zone Program. This certification statement is available for inspection in the District Office; however, public comments relating to consistency must be received by the Coastal Zone Division, Maryland Department of the Environment, 1800 Washington Blvd. Suite 430, Baltimore, Maryland 21230, within the comment period as specified above. It should be noted that CZ Division has a statutory limit of 6 months in which to make its consistency determination.

The applicant must obtain any State or local government permits, which may be required.

A preliminary review of this application indicates that the proposed work will not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

Review of the latest published version of the National Register of Historic Places indicates that no registered properties listed as eligible for inclusion therein are located at the site of the proposed work. Currently unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act. Any person who has an interest, which may be adversely affected by the issuance of this permit, may request a public hearing. The District Engineer must receive the request, which must be in writing, U.S. Army Corps of

Engineers, Baltimore District, PO Box 1715, Baltimore, Maryland 21203-1715, within the comment period as specified as above to receive consideration. Also, it must clearly state forth the interest that may be adversely affected by this activity in the manner in which the interest may be adversely affected.

It is requested that you communicate the foregoing information concerning the proposed work to any persons known by you to be interested and not being known to this office, who did not receive a copy of this notice.

FOR THE DISTRICT ENGINEER:

Kathy B. Anderson
Chief, Maryland Section Southern



Revisions

WORCESTER COUNTY

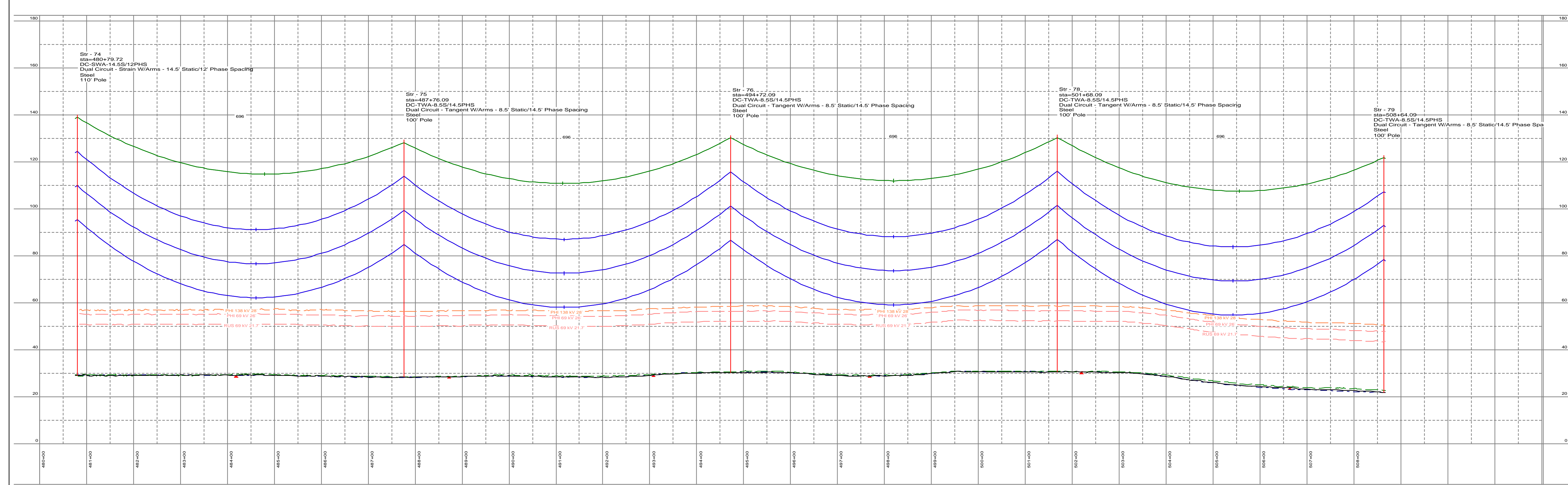
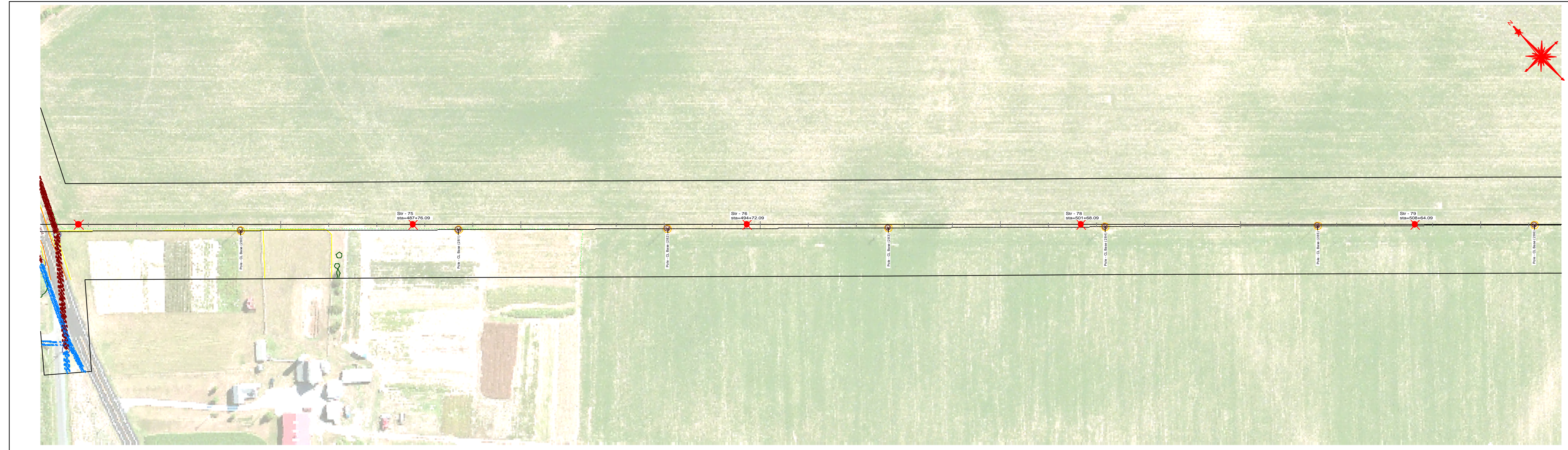
**PINEY GROVE TO MARYLAND STATE LINE
138 KV TRANSMISSION LINE PROJECT**

LOCATION MAP

SCALE: N/A

DATE: January, 2016

PLATE 1 of 128



SCALE:
 PLAN 1"=100'
 PROFILE HORIZ. 1"=100'
 VERT. 1"=20'

COORDINATE SYSTEM:
 UTM ZONE 18N (WGS84)

CABLE CONDITIONS:

60 - 74, 138kV, 954 kcmil 45/7 Strands RAIL ACSB - Adapted from 1970's Publicly Available Data, Ruling Span 683 (ft), Tension 3042 (lbs) at 120 (deg F) Creep, Displayed 257 Deg F Max Sag 2407 (ft)

60 - 74, 69kV, 954 kcmil 45/7 Strands RAIL ACSB - Adapted from 1970's Publicly Available Data, Ruling Span 683 (ft), Tension 3042 (lbs) at 120 (deg F) Creep, Displayed 257 Deg F Max Sag 2407 (ft)

60 - 74, 0kV, AC-85-83R, Ruling Span 683 (ft), Tension 1583 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1640 (ft)

60 - 74, 0kV, AC-85-83R, Ruling Span 683 (ft), Tension 1583 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1640 (ft)

74 - 83, 0kV, AC-85-83R, Ruling Span 652 (ft), Tension 1595 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1660 (ft)

74 - 83, 0kV, AC-85-83R, Ruling Span 652 (ft), Tension 1595 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1660 (ft)

74 - 83, 138kV, 954 kcmil 45/7 Strands RAIL ACSB - Adapted from 1970's Publicly Available Data, Ruling Span 652 (ft), Tension 3945 (lbs) at 60 (deg F) Initial, Displayed 257 Deg F Max Sag 2354 (ft)

74 - 83, 69kV, 954 kcmil 45/7 Strands RAIL ACSB - Adapted from 1970's Publicly Available Data, Ruling Span 652 (ft), Tension 3945 (lbs) at 60 (deg F) Initial, Displayed 257 Deg F Max Sag 2354 (ft)

REV	REVISION	DATE	BY	CK.
C	DPL 30% Review	01/08/2016	WKM	DDM
B	30% Review Dwg Ref PGW004 RA	11/11/2015	WKM	DDM
A	30% Review Dwg Ref PGW003 RA	9/18/2015	WKM	DDM

DESIGNED BY: DDM
 CHECKED BY: JAS

DRAWN BY: WKM
 APPROVED BY: DDM

Pepco Holdings, Inc.

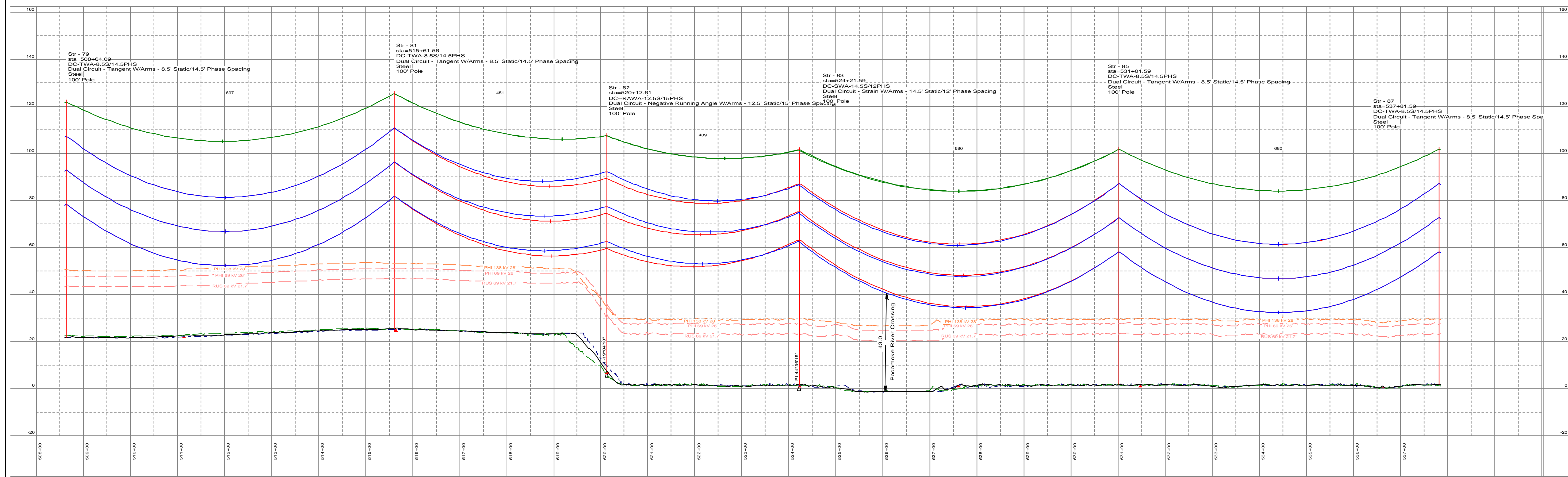
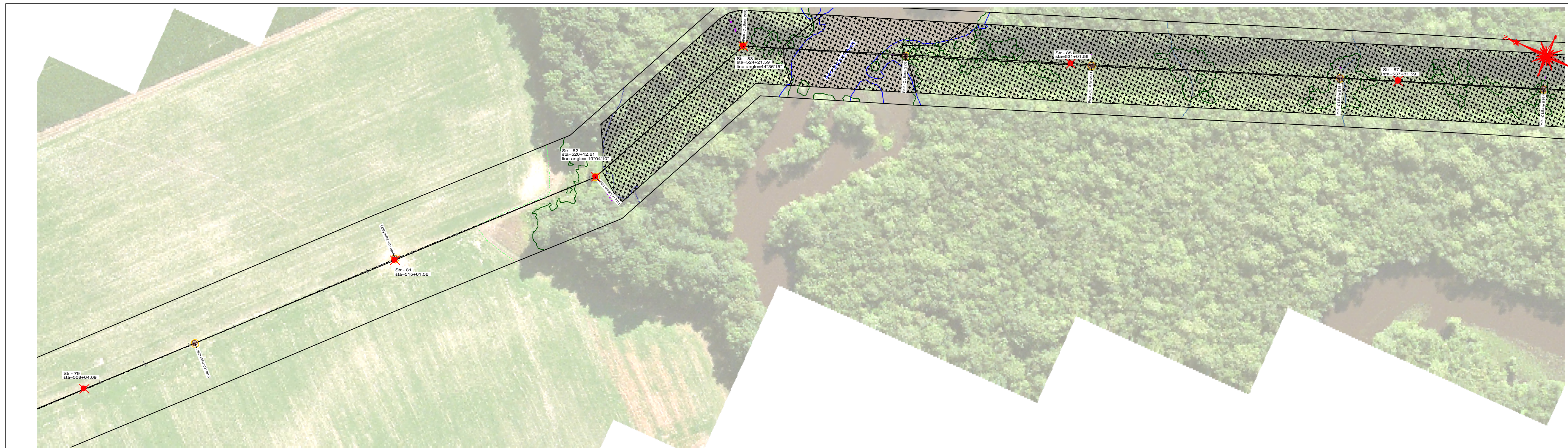
Delmarva Power
 Piney Grove to Wattsville Transmission line
 69kV/138kV Rebuild Project

CIRCUIT #:
 13751: 138kV
 6725: 69kV
 6712: 69kV

DRAWING #:
 DPL-UTLBN72A - Plan and Profile

REV: C SHEET: Sheet 19 of 66

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SCALE:

PLAN
1"=100'
PROFILE
HORIZ. 1"=100'
VERT. 1"=20'

COORDINATE SYSTEM:
UTM ZONE 18N (WGS84)

CABLE CONDITIONS:

74 - 83, 0kV, AC-85/638, Ruling Span 652 (ft), Tension 1595 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1660 (lbs)
 74 - 83, 0kV, AC-85/638, Ruling Span 652 (ft), Tension 1595 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1660 (lbs)
 74 - 83, 138kV, 954 kcmil 45/7 Strands RAIL ACSSR - Adapted from 1970's Publicly Available Data, Ruling Span 652 (ft), Tension 3945 (lbs) at 60 (deg F) Initial, Displayed 257 Deg F Max Sag 2354 (lbs)
 83 - 96, 138kV, 954 kcmil 45/7 Strands RAIL ACSSR - Adapted from 1970's Publicly Available Data, Ruling Span 679 (ft), Tension 3536 (lbs) at 60 (deg F) Creep, Displayed 257 Deg F Max Sag 2399 (lbs)
 83 - 96, 69kV, 954 kcmil 45/7 Strands RAIL ACSSR - Adapted from 1970's Publicly Available Data, Ruling Span 660 (ft), Tension 3536 (lbs) at 60 (deg F) Creep, Displayed 257 Deg F Max Sag 2399 (lbs)
 83 - 96, 0kV, AC-85/638, Ruling Span 679 (ft), Tension 1587 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1647 (lbs)
 83 - 96, 0kV, AC-85/638, Ruling Span 679 (ft), Tension 1587 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1646 (lbs)

REV	REVISION	DATE	BY	CK.
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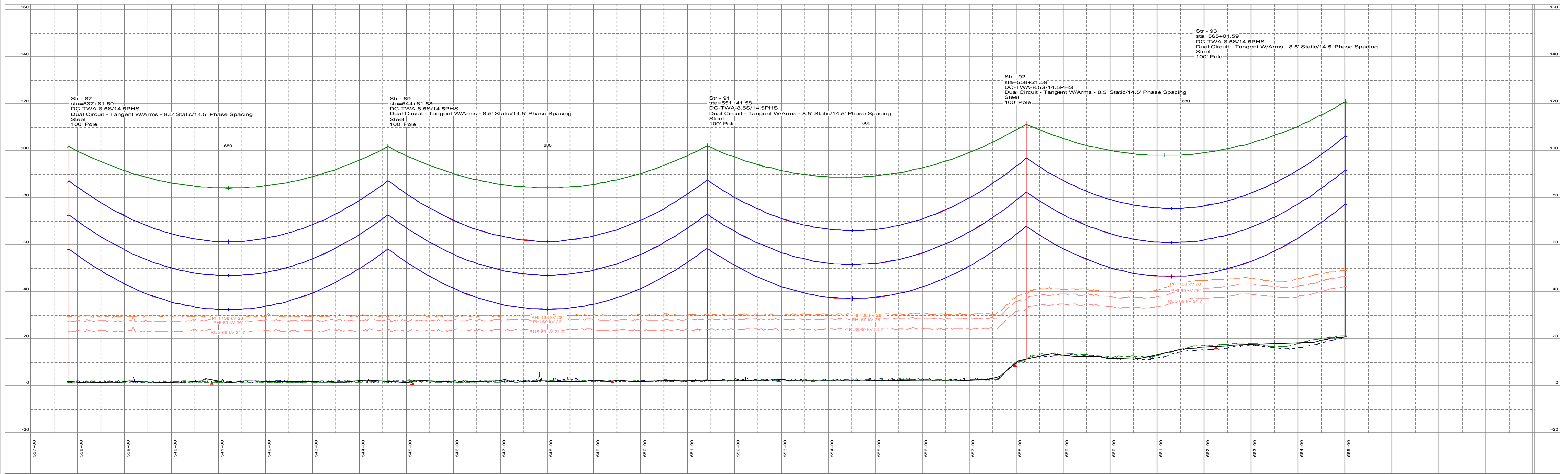


Delmarva Power
 Piney Grove to Wattsville Transmission line
 69kV/138kV Rebuild Project

CIRCUIT #:
 13751: 138kV
 6729: 69kV
 6712: 69kV

DRAWING #:
 DPL-UTLBN72A - Plan and Profile

REV: C SHEET: Sheet 20 of 66



SCALE:
 PLAN
 1"=100'
 PROFILE
 HORIZ. 1"=100'
 VERT. 1"=20'

CABLE CONDITIONS:

83 - 96, 138kV, 954 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 679 (ft), Tension 3536 (lbs) at 60 (deg F) Creep, Displayed 257 Deg F Max Sag 2399 (lbs)
 83 - 96, 69kV, 254 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 680 (ft), Tension 3536 (lbs) at 60 (deg F) Creep, Displayed 257 Deg F Max Sag 2401 (lbs)
 83 - 96, 69kV, AC-85/638, Ruling Span 679 (ft), Tension 1587 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1647 (lbs)
 83 - 96, 69kV, AC-85/638, Ruling Span 679 (ft), Tension 1587 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1646 (lbs)

COORDINATE SYSTEM:
 UTM ZONE 18N (WGS84)

REV	REVISION	DATE	BY	CK.
C	DPL 30% Review	01/08/2016	WKM	DDM
B	30% Review Dwg Ref PGW004 RA	11/11/2015	WKM	DDM
A	30% Review Dwg Ref PGW003 RA	9/18/2015	WKM	DDM

SEAL

DESIGNED BY: DDM
 CHECKED BY: JAS
 DRAWN BY: WKM
 APPROVED BY: DDM

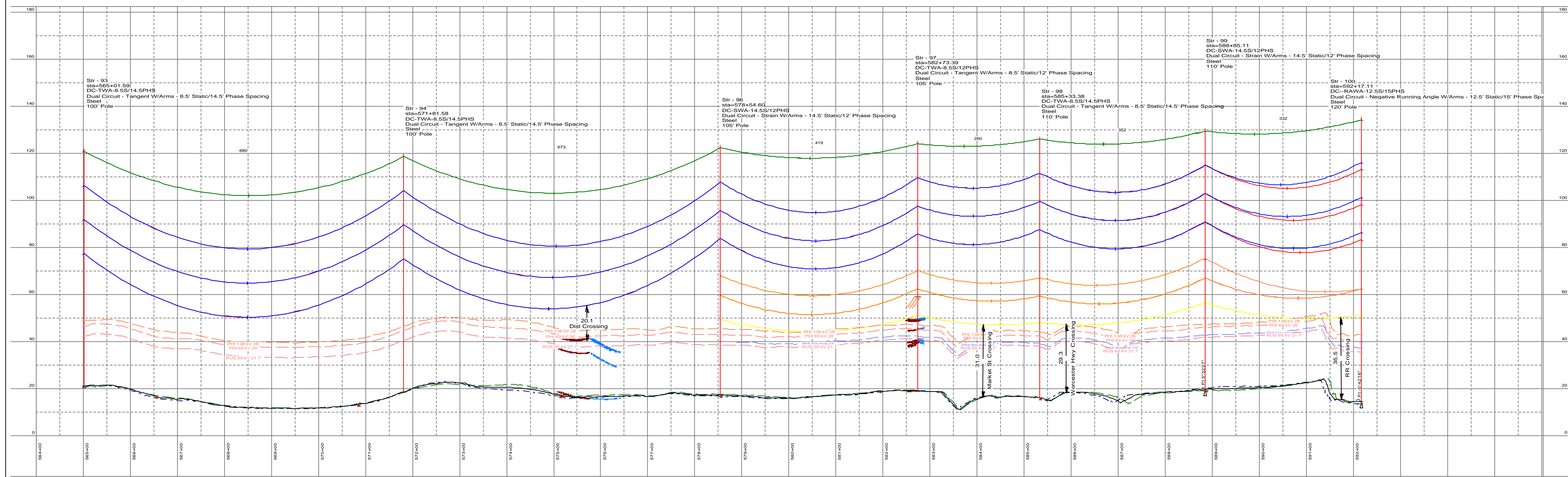
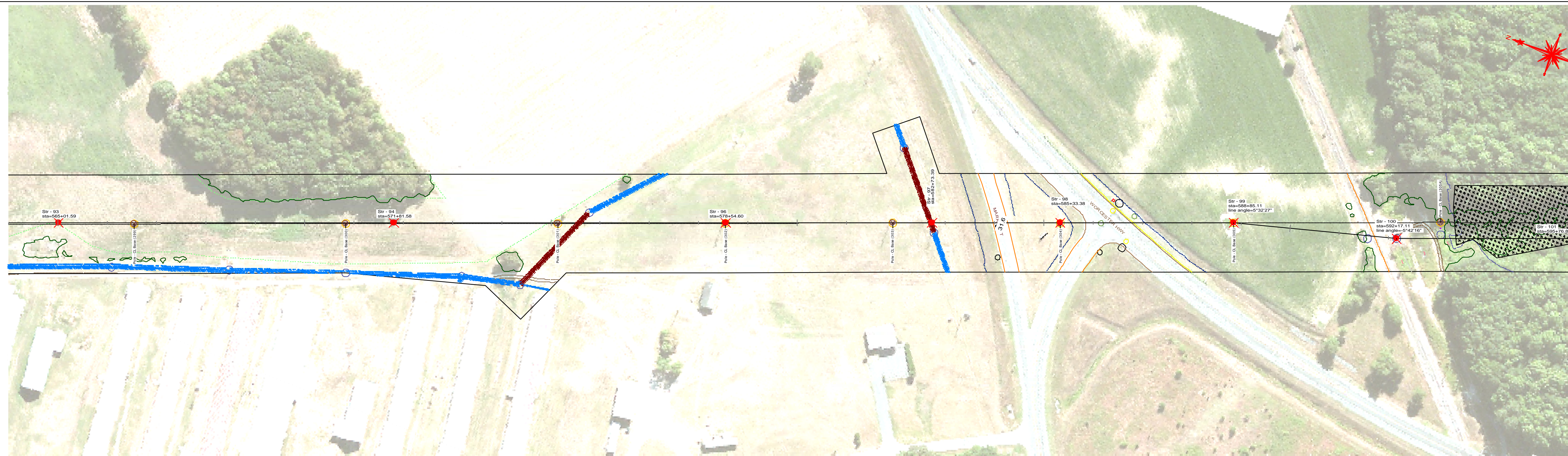


Delmarva Power
 Piney Grove to Wattsville Transmission line
 69kV/138kV Rebuild Project



DRAWING #:
 DPL-UTLBN72A - Plan and Profile
 REV: C SHEET: Sheet 21 of 66

CIRCUIT #:
 13751: 138kV
 6723: 69kV
 6712: 69kV



SCALE:
 PLAN 1"=100'
 PROFILE HORIZ. 1"=100'
 VERT. 1"=20'

COORDINATE SYSTEM:
 UTM ZONE 18N (WGS84)

CABLE CONDITIONS:

83 - 96, 138kV, 954 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 679 (ft), Tension 3536 (lbs) at 60 (deg F) Creep, Displayed 257 Deg F Max Sag 2399 (lbs)
 83 - 96, 99kV, 954 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 680 (ft), Tension 3536 (lbs) at 60 (deg F) Creep, Displayed 257 Deg F Max Sag 2401 (lbs)
 83 - 96, 99kV, AC-95/83R, Ruling Span 679 (ft), Tension 1587 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1647 (lbs)
 83 - 96, 99kV, AC-95/83R, Ruling Span 679 (ft), Tension 1587 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1646 (lbs)
 86 - 99, 99kV, AC-95/83R, Ruling Span 361 (ft), Tension 1836 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 2109 (lbs)
 86 - 99, 99kV, AC-95/83R, Ruling Span 361 (ft), Tension 1836 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 2108 (lbs)
 86 - 99, 99kV, AC-95/83R, Ruling Span 361 (ft), Tension 1836 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 2109 (lbs)
 86 - 99, 99kV, AC-95/83R, Ruling Span 361 (ft), Tension 1836 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 2108 (lbs)
 86 - 99, 138kV, 954 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 361 (ft), Tension 1096 (lbs) at 60 (deg F) Creep, Displayed 150 Deg F Initial 650 (lbs)
 86 - 99, 138kV, 954 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 361 (ft), Tension 3326 (lbs) at 60 (deg F) Creep, Displayed 257 Deg F Max Sag 1690 (lbs)
 86 - 99, 69kV, 954 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 361 (ft), Tension 3326 (lbs) at 60 (deg F) Creep, Displayed 257 Deg F Max Sag 1697 (lbs)
 86 - 99, 25kV, 954 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 361 (ft), Tension 2661 (lbs) at 60 (deg F) Creep, Displayed 120 Deg F Initial 2474 (lbs)
 303 Dist Tap - 97 - 25kV, 954 kcmil 37/0 Strands MAGNOLIA AAC - Adapted from 1970's Publicly Available Data, Ruling Span 158 (ft), Tension 1248 (lbs) at 60 (deg F) Creep, Displayed 120 Deg F Initial 903 (lbs)
 99 - 113, 99kV, AC-95/83R, Ruling Span 347 (ft), Tension 1848 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 2140 (lbs)
 99 - 113, 99kV, AC-95/83R, Ruling Span 347 (ft), Tension 1848 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 2140 (lbs)
 99 - 113, 138kV, 954 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 347 (ft), Tension 3306 (lbs) at 60 (deg F) Creep, Displayed 257 Deg F Max Sag 1653 (lbs)
 99 - 113, 69kV, 954 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 347 (ft), Tension 3306 (lbs) at 60 (deg F) Creep, Displayed 257 Deg F Max Sag 1654 (lbs)
 99 - 113, 25kV, 954 kcmil 45/7 Strands RAIL ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 347 (ft), Tension 2646 (lbs) at 60 (deg F) Creep, Displayed 120 Deg F Initial 2436 (lbs)

REV	REVISION	DATE	BY	CK.
C	DPL 30% Review	01/08/2016	WKM	DDM
B	30% Review Dwg Ref PGW004 RA	11/11/2015	WKM	DDM
A	30% Review Dwg Ref PGW003 RA	9/18/2015	WKM	DDM

DESIGNED BY: DDM
 CHECKED BY: JAS
 DRAWN BY: WKM
 APPROVED BY: DDM



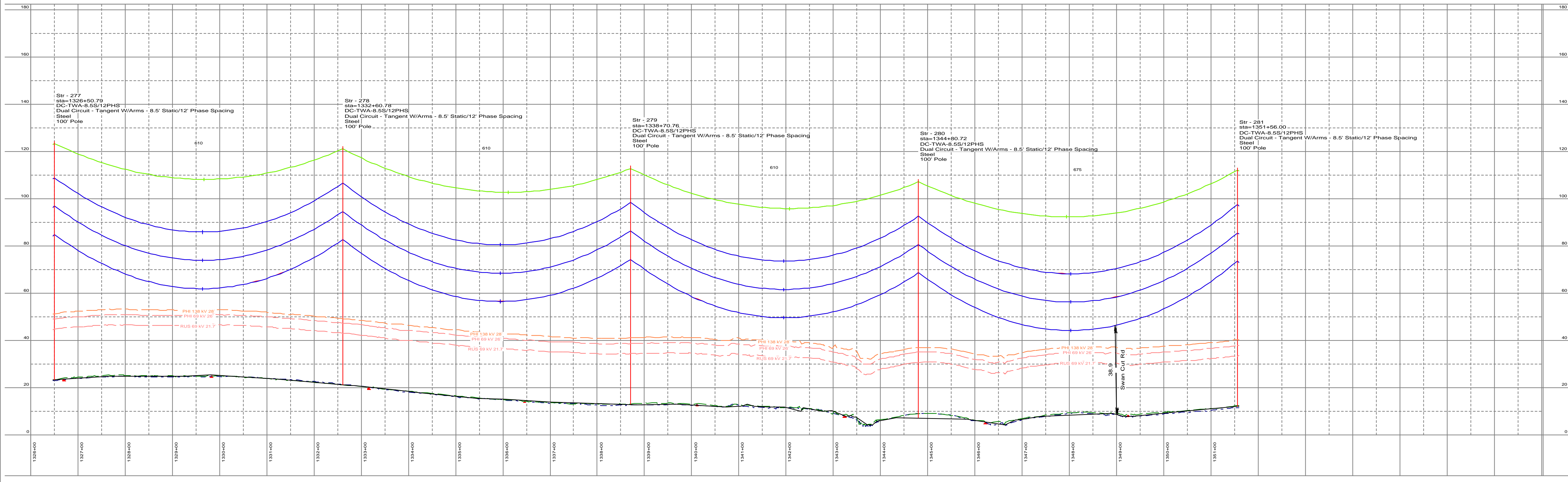
Delmarva Power
 Piney Grove to Wattsville Transmission line
 69kV/138kV Rebuild Project

CIRCUIT #:
 13751: 138kV
 6723: 69kV
 6712: 69kV

DRAWING #:
 DPL-UTLBN72A - Plan and Profile

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REV: C SHEET: Sheet 22 of 66



SCALE:
PLAN
1"=100'
PROFILE
HORIZ. 1"=100'
VERT. 1"=20'

CABLE CONDITIONS:

276 - 292, 69kV, AC-85/638; Ruling Span 619 (ft), Tension 1604 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1876 (lbs)
276 - 292, 69kV, AC-85/638; Ruling Span 619 (ft), Tension 1604 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1876 (lbs)
276 - 292, 138kV, 954 kcmil 45/7 Strands RAIL, ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 619 (ft), Tension 3960 (lbs) at 60 (deg F) Initial, Displayed 257 Deg F Max Sag 2293 (lbs)
276 - 292, 69kV, 954 kcmil 45/7 Strands RAIL, ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 619 (ft), Tension 3960 (lbs) at 60 (deg F) Initial, Displayed 257 Deg F Max Sag 2293 (lbs)

COORDINATE SYSTEM:
UTM ZONE 18N (WGS84)

REV	REVISION	DATE	BY	CK.
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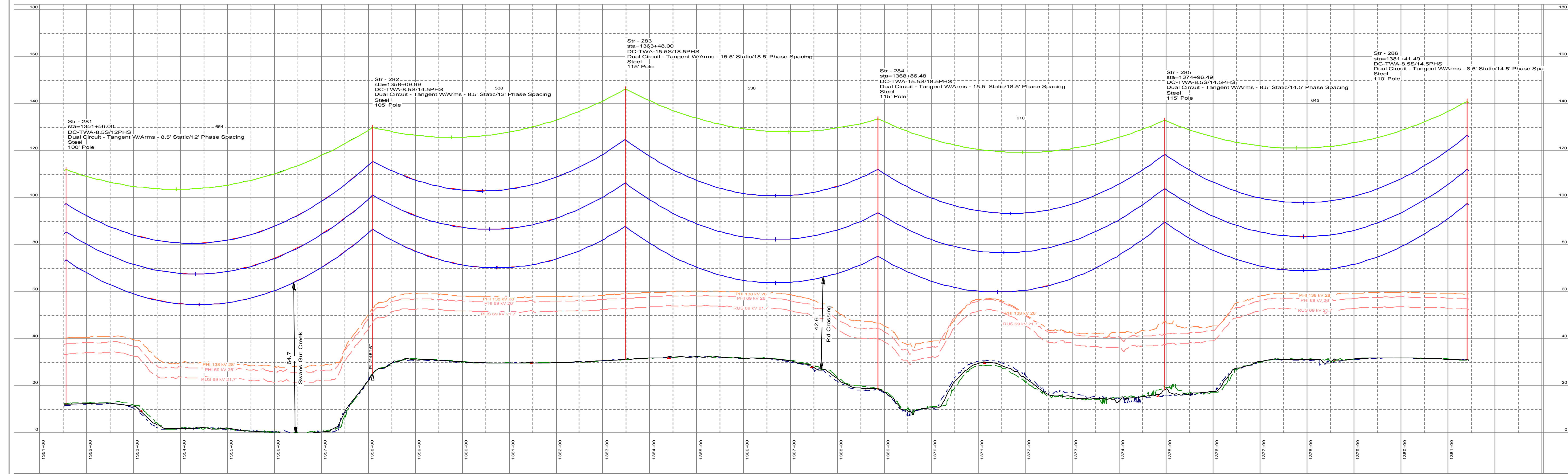


Delmarva Power
Piney Grove to Wattsville Transmission line
69kV/138kV Rebuild Project

CIRCUIT #:
13751: 138kV
6723: 69kV
6712: 69kV

DRAWING #:
DPL-UTLBPN72A - Plan and Profile

REV: C SHEET: Sheet 49 of 66



SCALE:
 PLAN 1"=100'
 PROFILE HORIZ. 1"=100'
 VERT. 1"=20'

CABLE CONDITIONS:

276 - 292, 0kV, AC-85/638, Ruling Span 619 (ft), Tension 1604 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1876 (lbs)
 276 - 292, 0kV, AC-85/638, Ruling Span 619 (ft), Tension 1604 (lbs) at 60 (deg F) Creep, Displayed 60 Deg F Initial 1876 (lbs)
 276 - 292, 138kV, 954 kcmil 45/7 Strands RAIL, ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 619 (ft), Tension 3960 (lbs) at 60 (deg F) Initial, Displayed 257 Deg F Max Sag 2293 (lbs)
 276 - 292, 69kV, 954 kcmil 45/7 Strands RAIL, ACSR - Adapted from 1970's Publicly Available Data, Ruling Span 619 (ft), Tension 3960 (lbs) at 60 (deg F) Initial, Displayed 257 Deg F Max Sag 2293 (lbs)

COORDINATE SYSTEM:
 UTM ZONE 18N (WGS84)

REV	REVISION	DATE	BY	CK.
C	DPL 30% Review	01/08/2016	WKM	DDM
B	30% Review Dwg Ref PGW004 RA	11/11/2015	WKM	DDM
A	30% Review Dwg Ref PGW003 RA	9/18/2015	WKM	DDM

SEAL

DESIGNED BY: DDM
 CHECKED BY: JAS
 DRAWN BY: WKM
 APPROVED BY: DDM



Delmarva Power
 Piney Grove to Wattsville Transmission line
 69kV/138kV Rebuild Project

CIRCUIT #:
 13751: 138kV
 6729: 69kV
 6712: 69kV



DRAWING #:
 DPL-UTLBN72A - Plan and Profile

REV: C SHEET: Sheet 50 of 66