

PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT

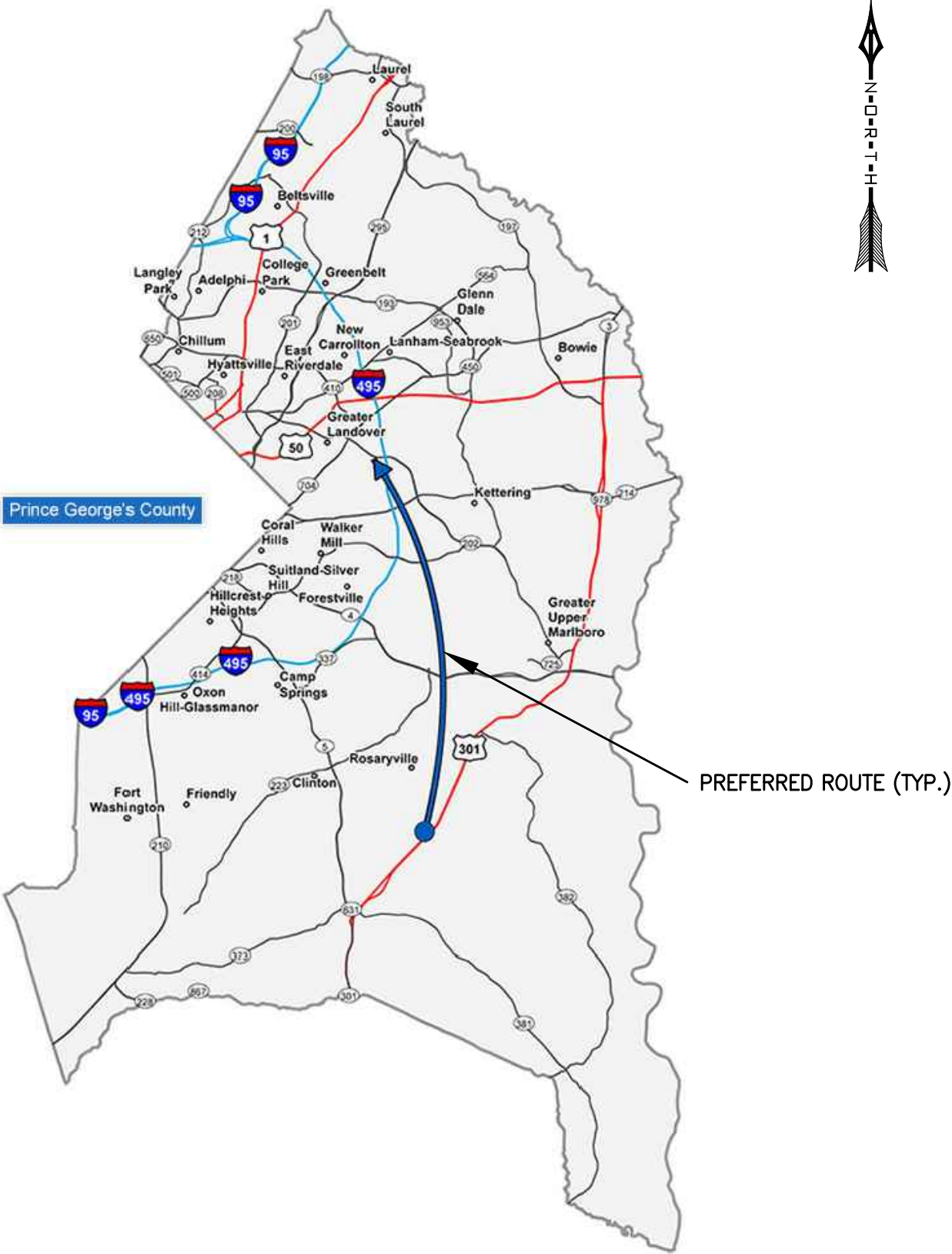
PRINCE GEORGE'S COUNTY, MARYLAND

PREPARED FOR:
WASHINGTON GAS LIGHT COMPANY
6801 INDUSTRIAL ROAD
SPRINGFIELD, VA 22151-4205

PREPARED BY:
GAI CONSULTANTS, INC.
385 E. WATERFRONT DRIVE
HOMESTEAD, PA 15120

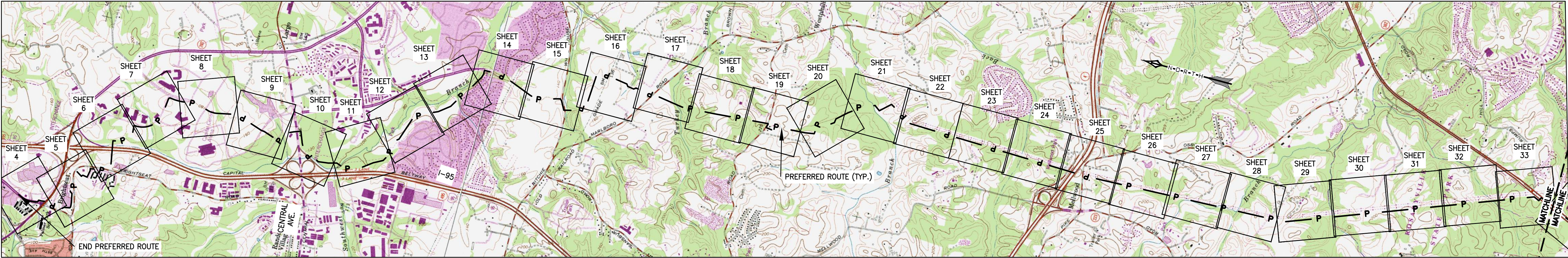
TYPE 2 TREE CONSERVATION PLAN JUNE 21, 2019

DRAWING INDEX	
SHEET NUMBER	DRAWING TITLE
1 OF 39	COVER SHEET AND VICINITY MAP
2-3 OF 39	GENERAL NOTES, TABLES, AND DETAILS
4-39 OF 39	PLAN SHEETS



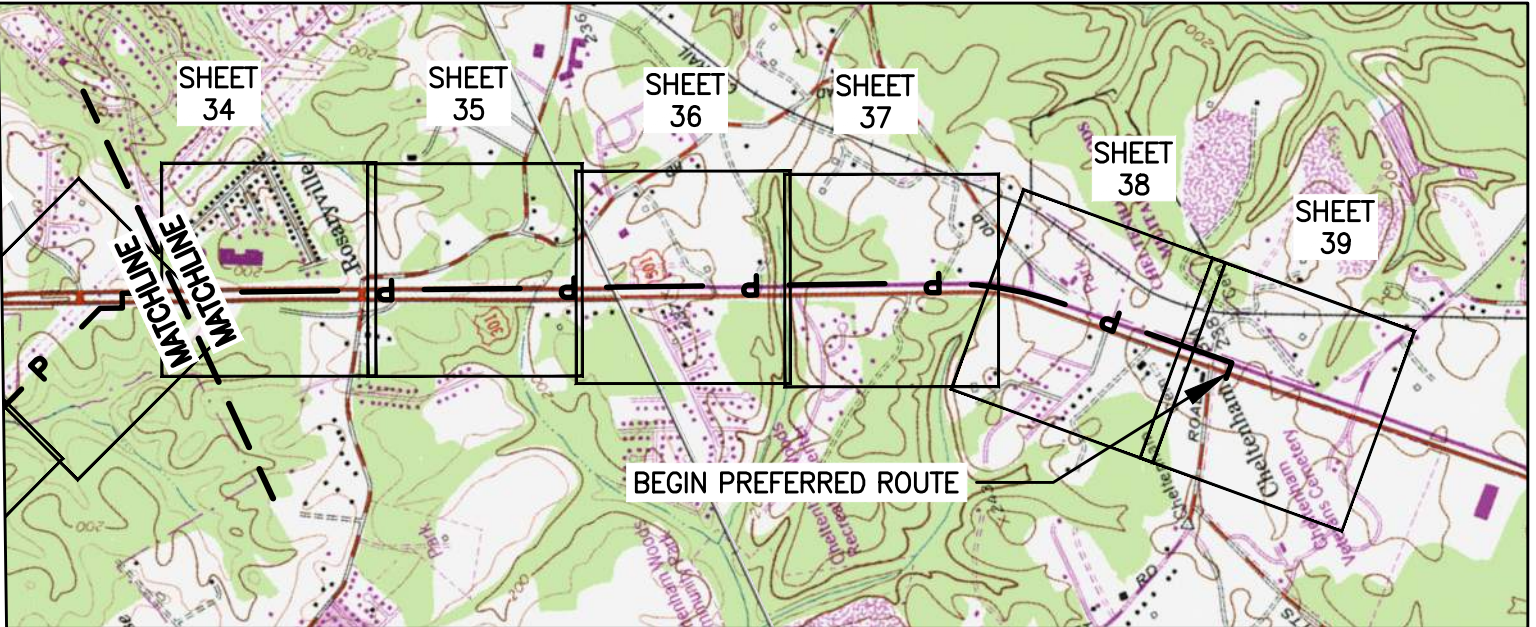
PRINCE GEORGE'S COUNTY LOCATION MAP

NOT TO SCALE



Washington Gas Light Company Prince George's County and District of Columbia Reliability and Reinforcement Project - Landover Pipeline

Approved TCP-2 Plan Name	TCP-2 Approval Number	Acreage of New Clearing within TCP-2	Replacement Ratio as Designated by EPS	Woodland Conservation Required (per EPS Replacement Ratio)
Kenwood Village	TCPII-006-13	1.07	0.25:1	0.27
Truman Park	TCPII-052-02	3.53	1:1	3.53
Land and Commercial Alpha Limited Partnership	TCPII-096-97	2.13	1:1	2.13
Landover Crossing Shopping Center	TCPII-140-03	0.39	2:1	0.78
Brightseat Road Improvement (Phase III)	TCPII-145-01	0.05	1:1	0.05
Capital Court	TCPII-159-04	0.03	0.25:1	0.01
Presidential Heights	TCPII-166-92	0.11	0.25:1	0.03
Marlboro Ridge	TCPII-083-05-12	3.33	0.25:1	0.83
Existing TCP-2 Totals:		10.64		7.63
WGL PGDCRRP TCP-2	TCPII-015-2018	16.13	1:1	16.13
Project Totals:		26.77		23.76



SHEET INDEX LOCATION MAP

SCALE: 1" = 2000'
2000 0 2000 4000



Property Owners Awareness Certificate

I/ We Washington Gas Light Company hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

Shelley Kelly 01/24/2019
Owner or Owners Representative Date

I/ We _____ hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

Contract Purchaser _____ Date _____

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018

Approved by	Date	DRD #	Reason for Revision
00 T. BURKE	5/21/2019	N/A	N/A
01 I. BURKE	10/22/2019	N/A	changes to plan
02			
03			
04			
05			

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: G. Strain Date: 06-21-2019
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE		CLIENT		COMPANY	
TCP-2 COVER SHEET AND VICINITY MAP		WASHINGTON GAS LIGHT COMPANY		gai consultants	
PROJECT		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-C-001.dwg - WGL - Ship 12 Land Acqui\CAD\Production Drawings\TCP2-2\G131838-05-001-C-001.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg	

DRAWN BY:	CHECKED BY:	APPROVED BY:
DOYLEMP	WHEATTC	STRAING
DWG TYPE:	SCALE:	ISSUE DATE:
N/A	AS SHOWN	06/21/2019
SHEET NO.:		REVISION
1 OF 39		1
GAI FILE NUMBER:		
C131838-05-001-00-C-001		
ALT./CLIENT DRAWING NUMBER:		
GAI DRAWING NUMBER:		
001		

3. THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR A GRADING PERMIT. IF THE GRADING PERMIT EXPIRES, THEN THIS TCP2 ALSO EXPIRES AND IS NO LONGER VALID.
2. CUTTING OR CLEARING OF WOODLAND NOT IN CONFORMANCE WITH THIS PLAN OR WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE PLANNING DIRECTOR OR DESIGNEE SHALL BE SUBJECT TO A \$9.00 PER SQUARE FOOT MITIGATION FEE.
3. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE ISSUANCE OF GRADING PERMITS. THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION OR THE DEPARTMENT OF ENVIRONMENTAL RESOURCES, AS APPROPRIATE, SHALL BE CONTACTED PRIOR TO THE START OF ANY WORK ON THE SITE TO CONDUCT A PRE-CONSTRUCTION MEETING WHERE IMPLEMENTATION OF WOODLAND CONSERVATION MEASURES SHOWN ON THIS PLAN WILL BE DISCUSSED IN DETAIL.
4. WGL IS RESPONSIBLE FOR CONFORMANCE TO THE REQUIREMENTS CONTAINED HEREIN AND WILL NOTIFY PROPERTY OWNERS REGARDING THIS TCP.
5. THE PROPERTY IS LOCATED IN THE ENVIRONMENTAL STRATEGY AREAS 1 AND 2 AS DESIGNATED IN PLAN PRINCE GEORGE'S 2035, APPROVED GENERAL PLAN.
6. THE PROJECT INTERSECTS WITH FOUR SCENIC OR HISTORIC ROADS. THEIR NAMES AND DESIGNATIONS ARE AS FOLLOWS: OLD INDIAN HEAD ROAD (SCENIC), OLD MARLBORO PIKE (HISTORIC), WHITE HOUSE ROAD (HISTORIC), AND WESTPHALIA ROAD (HISTORIC).
7. THE PROJECT IS LINEAR AND CROSSES BRIGHTSEAT ROAD (ARTERIAL), I-495 (FREEWAY), LOTTSFORD ROAD (ARTERIAL), ARENA DRIVE (ARTERIAL), HARRY S. TRUMAN DRIVE (ARTERIAL), LARGO DRIVE (ARTERIAL), CENTRAL AVENUE (EXPRESSWAY), WHITE HOUSE ROAD (ARTERIAL), MD-4 (FREEWAY), AND US-301 (FREEWAY).
8. THIS PLAN IS NOT GRANDFATHERED UNDER CB-27-2010, SECTION 25-117 (G).
9. PROPERTY BOUNDARIES, BEARINGS & DISTANCES, LANDOWNER, AND TAX ACCOUNT INFORMATION FOR PROPERTIES CROSSED BY THE PROPOSED PROJECT WERE OBTAINED VIA DEED RESEARCH. INFORMATION FOR ADJACENT PROPERTIES THAT ARE NOT PROPOSED TO BE CROSSED BY THE PROJECT WAS OBTAINED FROM PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT, DOWNLOADED SPRING 2016. THIS INFORMATION IS USED FOR REFERENCE PURPOSES ONLY.
10. PLANIMETRIC DATA DEPICTED ON THESE PLANS WAS COLLECTED DURING AN OVERFLIGHT SURVEY CONDUCTED ON 3/9/2016
11. THE COUNTY REGULATED 100-YEAR FLOODPLAIN INFORMATION ON THIS PLAN WAS PROVIDED BY DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT (DPIE) ON AUGUST 9, 2017 AND INCLUDED THE FOLLOWING SOURCES:
 - a FLOODPLAIN STUDY NUMBER 850X33, PREPARED BY BEN DYER ASSOCIATES, INC., APPROVED BY PRINCE GEORGE'S COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES WATERSHED PROTECTION BRANCH ON JANUARY 17, 1995
 - b FLOODPLAIN STUDY NUMBER 200601, PREPARED BY CHRISTOPHER CONSULTANTS, APPROVED BY DEPARTMENT OF ENVIRONMENTAL RESOURCES PERMITS AND REVIEW DIVISION ON AUGUST 22, 2006
 - c SOUTHWEST BRANCH WATERSHED STUDY, PLATE NUMBERS SWBFP-1 THROUGH SWBFP-8
 - d TURKEY BRANCH FLOOD HAZARD BOUNDARY MAP, PLATE NUMBER 62-U-2
 - e WESTERN BRANCH WATERSHED STUDY, PLATE NUMBERS 2 AND 3
 - f CHARLES BRANCH WATERSHED STUDY, JUNE 1991
 - g 100 YEAR FLOODPLAIN INSURANCE STUDY, FEDERAL EMERGENCY MANAGEMENT AGENCY, 2015.

3. THE WETLAND AND WATERBODY INFORMATION DEPICTED ON THIS PLAN IS FROM A WETLAND DELINEATION AND STREAM IDENTIFICATION REPORT PREPARED BY GAI CONSULTANTS, INC. (GAI) DATED JUNE 2016, AND FROM THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) AND US ARMY CORPS OF ENGINEERS (USACE) FIELD REVIEWS COMPLETED IN APRIL AND JULY, 2017.
13. THIS PROJECT CROSSES PROPERTIES THAT ARE SUBJECT TO PREVIOUSLY APPROVED TOP. PER PRINCE GEORGE'S COUNTY ENVIRONMENTAL PLANNING SECTION REQUEST, THESE PROPERTIES ARE REFERENCED IN THIS PLAN BUT ARE NOT DEPICTED IN THEIR ENTIRETY.
14. THE PROJECT CROSSES AND IS ADJACENT TO FOREST INTERIOR DWELLING SPECIES HABITAT, ACCORDING TO THE MARYLAND DEPARTMENT OF NATURAL RESOURCES (DNR) FIS DATA DOWNLOADED FROM PRINCE GEORGE'S COUNTY GIS DATA CATALOG ON JANUARY 5, 2018.
15. THERE ARE 22 SPECIMEN TREES THAT ARE EITHER LOCATED WITHIN THE LIMITS OF DISTURBANCE (LOD) OF THE PROJECT OR WHERE 35 PERCENT OR GREATER OF THEIR CRITICAL ROOT ZONE (CRZ) IS LOCATED WITHIN THE ZONE. THESE TREES ARE REFERENCED FROM THE FOREST STAND DELINEATION REPORT COMPLETED BY GAI IN JUNE 2016, AS WELL AS THE APPROVED NRI (NRI-181-2016). NO CHAMPION OR HISTORIC TREES WERE IDENTIFIED WITH THE PROJECT AREA.
16. THERE ARE 12 SPECIMEN TREES THAT ARE LOCATED OUTSIDE OF THE LOD AND REQUIRE TREE PROTECTION FENCING (TPF). THE LOCATION OF ALL TPF PREPARED TPF SHOWN ON THIS PLAN SHALL BE FLAGGED OR STAKED TO THE FIELD PRIOR TO THE PRE-CONSTRUCTION MEETING, UPON APPROVAL OF THE LOCATIONS BY THE COUNTY INSPECTOR. INSTALLATION OF THE TPF MAY BEGIN.
17. ALL TPF AND SIGNAGE REQUIRED BY THIS PLAN SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CLEARING AND GRADING OF THE SITE. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE DEVICES IS A VIOLATION OF THIS TAMP2.
18. A PRE-CONSTRUCTION MEETING, REQUESTED BY THE APPLICANT, MUST BE HELD SUBSEQUENT TO THE INSTALLATION OF TPF AND PRIOR TO ANY ADDITIONAL SITE DISTURBANCE. THE PRE-CONSTRUCTION MEETING MUST BE ATTENDED BY THE APPLICANT, CONTRACTOR OR PROJECT MANAGER, ON-SITE CONTRACTOR, IN-CHARGE OF CLEARING AND GRADING WORK, AS WELL AS THE TREE PROFESSIONAL CONTRACTED BY THE APPLICANT, AS APPLICABLE, AND THE COUNTY INSPECTOR(S). THE PARTICIPANTS WILL FIELD VERIFY THE LOD, PROPER INSTALLATION OF TPF STRESS REDUCTION MEASURES AS WELL AS RESPONSIBILITIES FOR COMPLIANCE AND PENALTIES FOR NONCOMPLIANCE MUST BE DISCUSSED.
19. WGL UNDERSTANDS THAT COUNTY INSPECTORS WILL PERFORM PERIODIC SITE VISITS DURING CONSTRUCTION, TYPICALLY SUBSEQUENT TO CLEARING AND AFTER HEAVY RAIN EVENTS. INSPECTORS WILL PROVIDE WRITTEN NOTICE TO THE ON-SITE CONTRACTOR REGARDING ANY PROBLEMS. CORRECTIVE MEASURES MUST BE COMPLETED IN A TIMELY MANNER.
20. A TREE IS CONSIDERED HAZARDOUS IF A CONDITION IS PRESENT WHICH LEADS AS CERTIFIED ARBORIST OR LICENSED TREE EXPERT TO BELIEVE THAT THE TREE OR A PORTION OF THE TREE HAS A POTENTIAL TO FALL AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE.
21. DURING THE INITIAL STAGES OF CLEARING AND GRADING, IF HAZARDOUS TREES ARE PRESENT, OR TREES ARE PRESENT THAT ARE NOT HAZARDOUS BUT ARE LEANING INTO THE DISTURBED AREA, THE PERMITTEE SHALL REMOVE HAZARDOUS TREES USING A CHAINSAW. CORRECTIVE MEASURES REQUIRING THE REMOVAL OF THE HAZARDOUS TREE OR PORTIONS THEREOF SHALL REQUIRE AUTHORIZATION BY THE COUNTY INSPECTOR, ONLY AFTER APPROVAL BY THE INSPECTOR MAY THE TREE BE CUT BY CHAINSAW TO NEAR THE EXISTING GROUND LEVEL. THE STUMP SHALL NOT BE REMOVED OR COVERED WITH SOIL, MULCH OR OTHER MATERIALS THAT WOULD INHIBIT SPROUTING.
22. IF A TREE OR TREES BECOME HAZARDOUS, DUE TO STORM EVENTS OR OTHER SITUATIONS NOT RESULTING FROM AN ACTION BY THE PERMITTEE, PRIOR TO REMOVAL, A CERTIFIED ARBORIST OR A LICENSED TREE EXPERT MUST CERTIFY THAT THE TREE OR THE PORTION OF THE TREE IN QUESTION HAS A POTENTIAL TO FALL AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. IF A TREE OR PORTIONS THEREOF ARE IN IMMINENT DANGER OF STRIKING A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA

23. IF CORRECTIVE PRUNING MAY ALLEVIATE A HAZARDOUS CONDITION, THE CERTIFIED ARBORIST OR A LICENSED TREE EXPERT MAY PROCEED WITHOUT FURTHER AUTHORIZATION. THE PRUNING MUST BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPROPRIATE ANSI A-300 PRUNING STANDARDS. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHY PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE.

24. DEBRIS FROM THE TREE REMOVAL OR PRUNING THAT OCCURS WITHIN 35 FEET OF THE WOODLAND EDGE MAY BE REMOVED AND PROPERLY DISPOSED OF BY RECYCLING, CHIPPING OR OTHER ACCEPTABLE METHODS. ALL DEBRIS THAT IS MORE THAN 35 FEET FROM THE WOODLAND EDGE SHALL BE CUT UP TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION. THE SMALLER MATERIALS SHALL BE PLACED INTO BRUSH PILES THAT WILL SERVE AS WILDLIFE HABITAT.

TREE WORK TO BE COMPLETED WITHIN A ROAD RIGHT-OF-WAY REQUIRES A PERMIT FROM THE MARYLAND DEPARTMENT OF NATURAL RESOURCES UNLESS THE TREE REMOVAL IS SHOWN WITHIN THE APPROVED LIMITS OF DISTURBANCE ON A TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

26. PRIOR TO THE ISSUANCE OF THE FIRST PERMIT FOR THE DEVELOPMENT SHOWN ON THIS TCP2, ALL OFF-SITE WOODLAND CONSERVATION REQUIRED BY THIS PLAN SHALL BE IDENTIFIED ON AN APPROVED TCP2 PLAN AND RECORDED AS AN OFF-SITE EASEMENT IN THE LAND RECORDS OF PRINCE GEORGE'S COUNTY. PROOF OF RECORDATION OF THE OFF-SITE CONSERVATION SHALL BE PROVIDED TO THE M-NCPPC, PLANNING DEPARTMENT PRIOR TO ISSUANCE OF ANY PERMIT FOR THE ASSOCIATED PLAN.

27. UPON CONSTRUCTION COMPLETION, THE APPLICANT MUST REQUEST AN INSPECTION BY THE COUNTY INSPECTOR. THE INSPECTOR(S) OR THE TREE PROFESSIONAL, CONTRACTED BY THE APPLICANT, MAY PRESCRIBE CORRECTIVE MEASURES TO AMEND IMPACTS FROM CONSTRUCTION. THESE MEASURES MAY INCLUDE: REMOVAL OF DEAD, DYING, OR HAZARDOUS TREES, FERTILIZING, WATERING, AND WOUND REPAIR.

28. UPON COMPLETION OF CONSTRUCTION AND ALL PRESCRIBED CORRECTIVE MEASURES, A FINAL INSPECTION BY THE COUNTY INSPECTOR MUST BE REQUESTED. THE INSPECTOR WILL VERIFY COMPLIANCE WITH THE APPROVED TCP2 AS WELL AS THE CORRECTIVE MEASURES PRESCRIBED DURING OR AFTER CONSTRUCTION, AS APPLICABLE.

29. AFTER APPROVAL BY THE COUNTY INSPECTOR, ALL TPF MUST BE REMOVED. DURING REMOVAL, NO ADDITIONAL TREE CLEARING OR DISTURBANCE MAY TAKE PLACE EXCEPT BY HAND AND AS APPROVED BY THE COUNTY INSPECTOR.

30. THE PROJECT IS NOT ASSOCIATED WITH ANY PREVIOUSLY DEDICATED LAND.

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SECTION 1-Establishing Site Information			
Property Description or Name:		Prince George's County and District of Columbia Reliability and Reinforcement Project	
Project Location;		Intersection of Frank Tippet Road and US 301 to Intersection of Landover Road and Brightseat Road in Landover	
TCP2 Number:		TCP2-015-2018	
NRI Number:		NRI-181-2016	
Zone:		Varies	
Gross Tract:		97.62 acres	
Project Area/Limits:		97.62 acres	
		Rev. No: -00	
		Rev. No: -02	

Existing Woodland in Project Limits = WCT	16.13	or	16.52%
Woodland Cleared in Project Limits	16.13		
Total area of woodland cleared (subject to 1:1 replacement)	16.13		
Off-Site Woodland Conservation Provided (afforestation)	0.00		
Off-Site Woodland Conservation Provided (preservation)	0.00		
Woodland Conservation Requirement:	16.13	acres	

Woodland Preserved	0.00		
Afforestation /Reforestation	0.00	Bond amount:	\$ 49,005.00
Natural Regeneration	3.75		
Landscape Credit	0.00		
Specimen/Historic Tree Credit (CRZ area "2.0)	0.00		
Forest Enhancement Credit (Area * .25)	0.00		
Street Tree Credit (Existing or 10-year canopy coverage)	0.00		
Prior Credit for Off-site Woodland Conservation	0.00		
Current Credit for Off-site Woodland Conservation	0.00		
Off-site Woodland Conservation provided (afforestation)	12.38		
Off-site Woodland Conservation provided (preservation)	0.00		
Area Approved for Fee-in-lieu/PFA	0.00	Fee amount:	\$0.00
Area Approved for Fee-in-lieu-non-PFA	0.00	Fee amount:	\$0.00
Woodland Conservation Provided	16.13	acres	

28 Prepared by: Gabriel F. Strain  Signed _____ Date 6/21/2019

SITE STATISTICS	Acreage
Limits Of Disturbance (LOD)	97.62
Existing 100-year floodplain	10.51
Existing woodland within the floodplain	9.56
Existing woodland total	27.24
Existing PMA	30.61
Regulated Streams (liner feet of centerline)	1.413
Riparian (wooded) buffer up to 300 feet wide	17.58

N.T.S. 2

Sheet	Acres	TCP-2 Case Number
5	0.39	TCP2-140-03
5	0.05	TCP2-145-01
9	0.32	TCP2-015-2018
10	1.06	TCP2-015-2018
10	0.03	TCP2-159-04-01
11	2.13	TCP2-096-97
11	0.27	TCP2-015-2018
12	0.01	TCP2-015-2018
11	0.02	TCP2-052-02
12	3.34	TCP2-052-02
13	0.17	TCP2-052-02
13	2.15	TCP2-015-2018
14	0.31	TCP2-015-2018
15	0.11	TCP2-166-92
15	0.95	TCP2-006-13-01
16	0.12	TCP2-006-13-01
16	1.98	TCP2-015-2018
17	2.4	TCP2-015-2018
18	3.27	TCP2-015-2018
19	1.06	TCP2-015-2018
20	0.33	TCP2-015-2018
20	2.33	TCP2-083-05-12
21	1.47	TCP2-083-05-12
21	0.03	TCP2-015-2018
22	0.02	TCP2-015-2018
23	0.18	TCP2-015-2018
25	0.04	TCP2-015-2018
26	0.4	TCP2-015-2018
27	0.02	TCP2-015-2018
29	0.31	TCP2-015-2018
30	0.35	TCP2-015-2018
31	0.52	TCP2-015-2018
32	0.59	TCP2-015-2018
33	0.51	TCP2-015-2018
TOTAL	27.24	

N.T.S.

N.T.S.

N.T.S.

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 – 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	<i>T. BURKE</i>	<i>10/22/2019</i>	<i>N/A</i>	<i>changes to plan</i>
02				
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This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

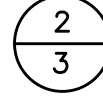
Signed: Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358
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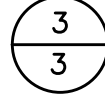
DRAWING TITLE			TCP-2 GENERAL NOTES, TABLES, AND DETAILS			CLIENT			WASHINGTON GAS LIGHT COMPANY		
PROJECT			PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT			DOYLEMP			WHEATTC		
NO.:			1			6/21/2019			DOYLEMP		
DATE:						DWN:			CHK:		
DESCRIPTION:						APV:			UPDATE MITIGATION TABLE		
REVISION RECORD											
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DOYLEMP			WHEATTC			STRAING					
DWG TYPE:			SCALE:			ISSUE DATE:					
N/A			AS SHOWN			06/21/2019					
SHEET NO.:						REVISION					
2 OF 39						1					
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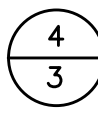
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A-4, DET-5



A-4, DET-10



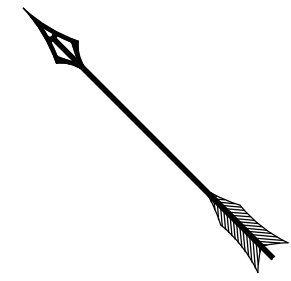
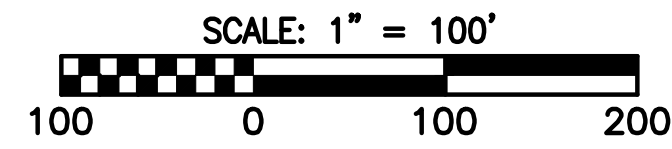
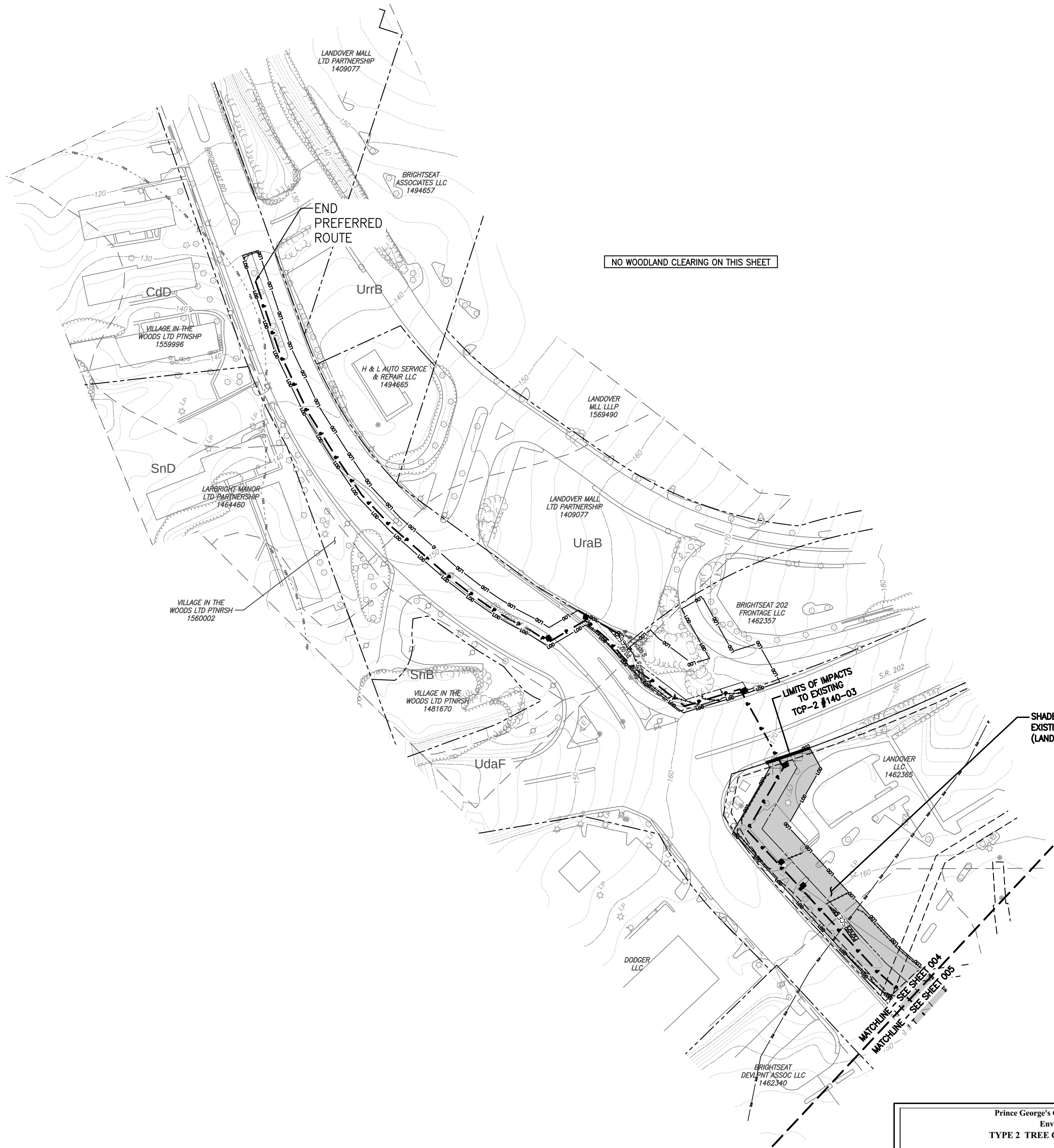
A-4, DET-3

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

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[illegible]



- LEGEND**
- PROPOSED NATURAL GAS PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA
 - PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
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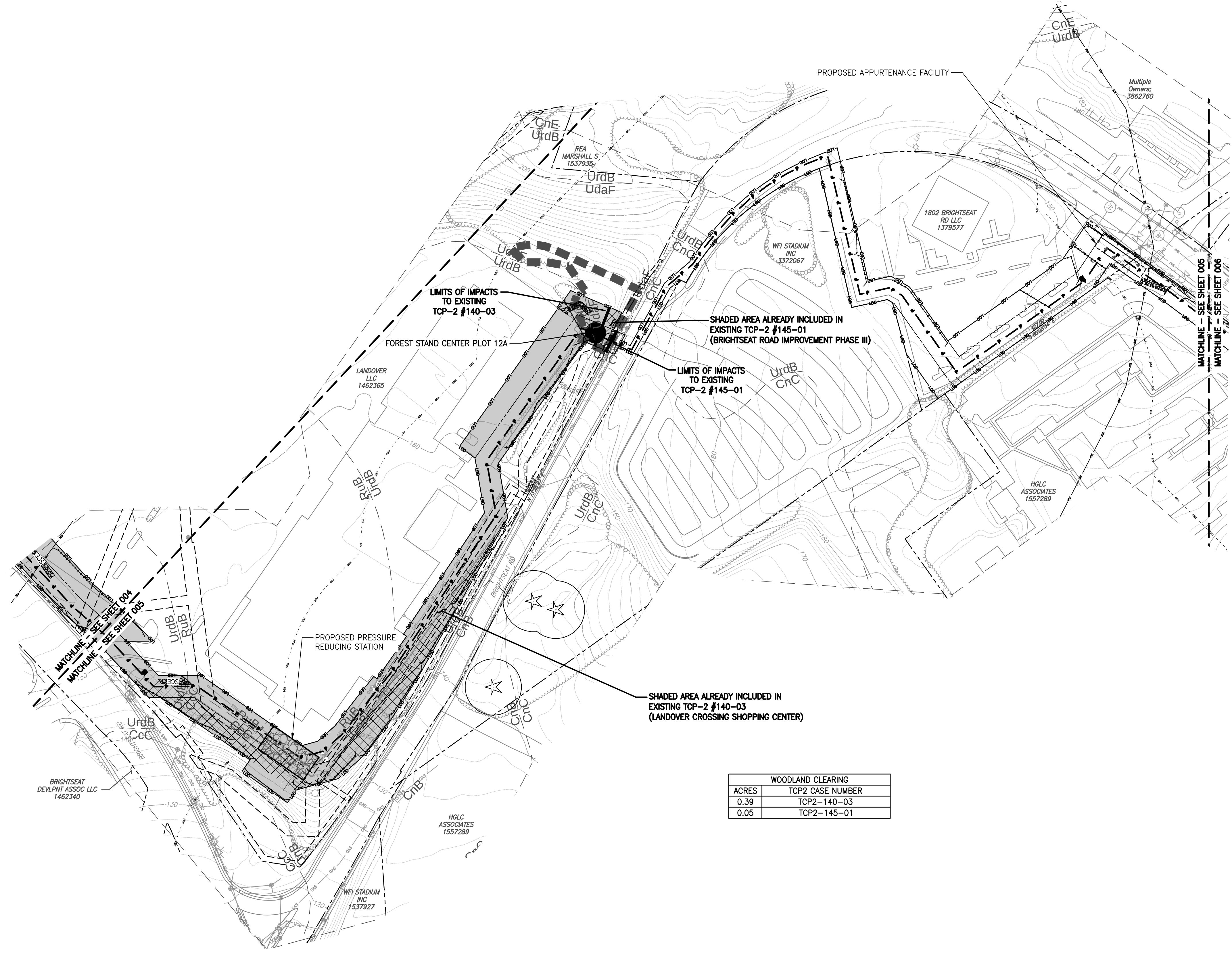
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

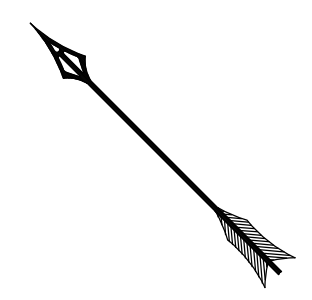
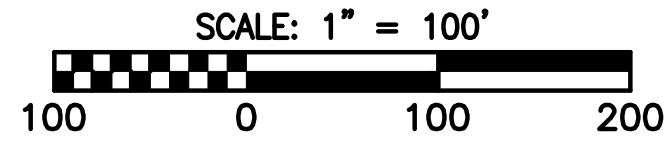
Signed: [Signature] Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\C131838-05-001-C-004.dwg - W08 - Ship 12 Land Acqui\GAI\Production - Drawings\TCP-2\C131838-05-001-C-004.dwg GAI CAD FILE: Z:\Energy\2013\C131838-05-001-C-004.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC	APPROVED BY: STRAING		REVISION RECORD	
DWG TYPE: N/A		SCALE: AS SHOWN	ISSUE DATE: 06/21/2019		REVISION	
SHEET NO.: 4 OF 39		DATE: 06/21/2019		NO. 1		
GAI FILE NUMBER: C131838-05-001-00-C-004		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 004		



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.39	TCP2-140-03
0.05	TCP2-145-01



- LEGEND**
- PROPOSED NATURAL GAS PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA
 - PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
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 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: [Signature] Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\C131838-05-001-C-004.dwg - WBL - Ship 12 Land Acqua\CAD\Production - Drawings\TCP2-2\C131838-05-001-C-004.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg
1	6/21/2019	DOYLEMP	WHEATTC	STRAING	UPDATE MITIGATION TABLE
NO.:	DATE:	DWN:	CHK:	APV:	DESCRIPTION:
REVISION RECORD					
5 OF 39					1
GAI FILE NUMBER:					C131838-05-001-00-C-004
ALT./CLIENT DRAWING NUMBER:					
GAI DRAWING NUMBER:					005



QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE									
TCP-2 PLAN									
PROJECT				 gai consultants		CLIENT		WASHINGTON GAS LIGHT COMPANY	
PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT									
DOYLEMP		WHEATTC		DOYLEMP		WHEATTC			
DWG TYPE:		N/A		AS SHOWN		NO.:			
SHEET NO.:		6 OF 39		REVISION		1		REVISION RECORD	
ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120									
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DRAWN BY:

CHECKED BY:

APPROVED BY:

DOYLEMP

WHEATTC

STRAING

DWG TYPE:

N/A

AS SHOWN

06/21/2019

06/21/2019

SHEET NO.:

6 OF 39

REVISION

1

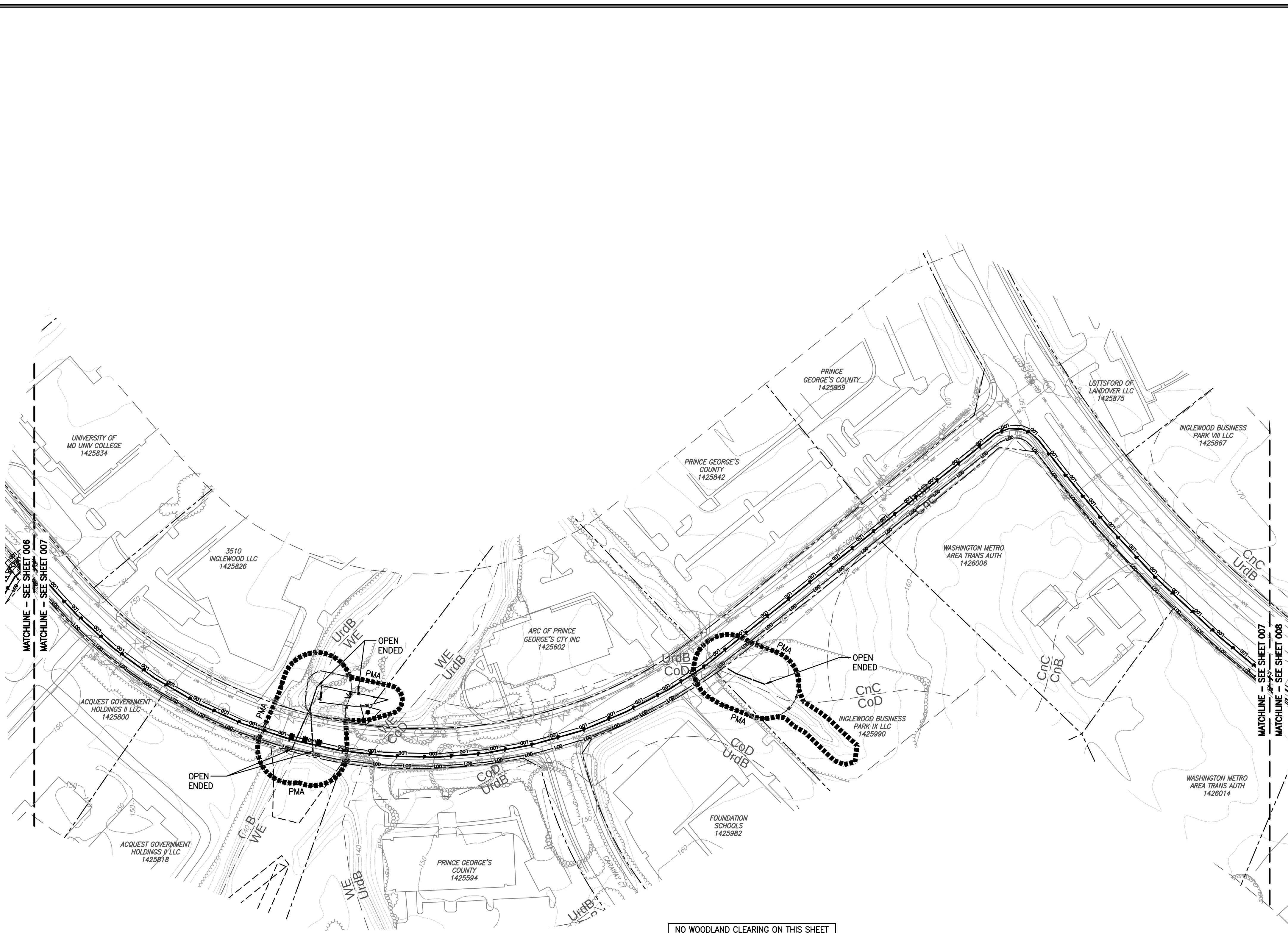
GAI FILE NUMBER:

C131838-05-001-00-C-004

ALT./CLIENT DRAWING NUMBER:

GAI DRAWING NUMBER:

006



NO WOODLAND CLEARING ON THIS SHEET

SCALE: 1" = 100'

- LEGEND
- PROPOSED NATURAL GAS PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA
 - PRIMARY MANAGEMENT AREA
 - POND LIMITS
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 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
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 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
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 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
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 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)



Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	T. BURKE	10/22/2019	N/A	changes to plan
02				
03				
04				
05				

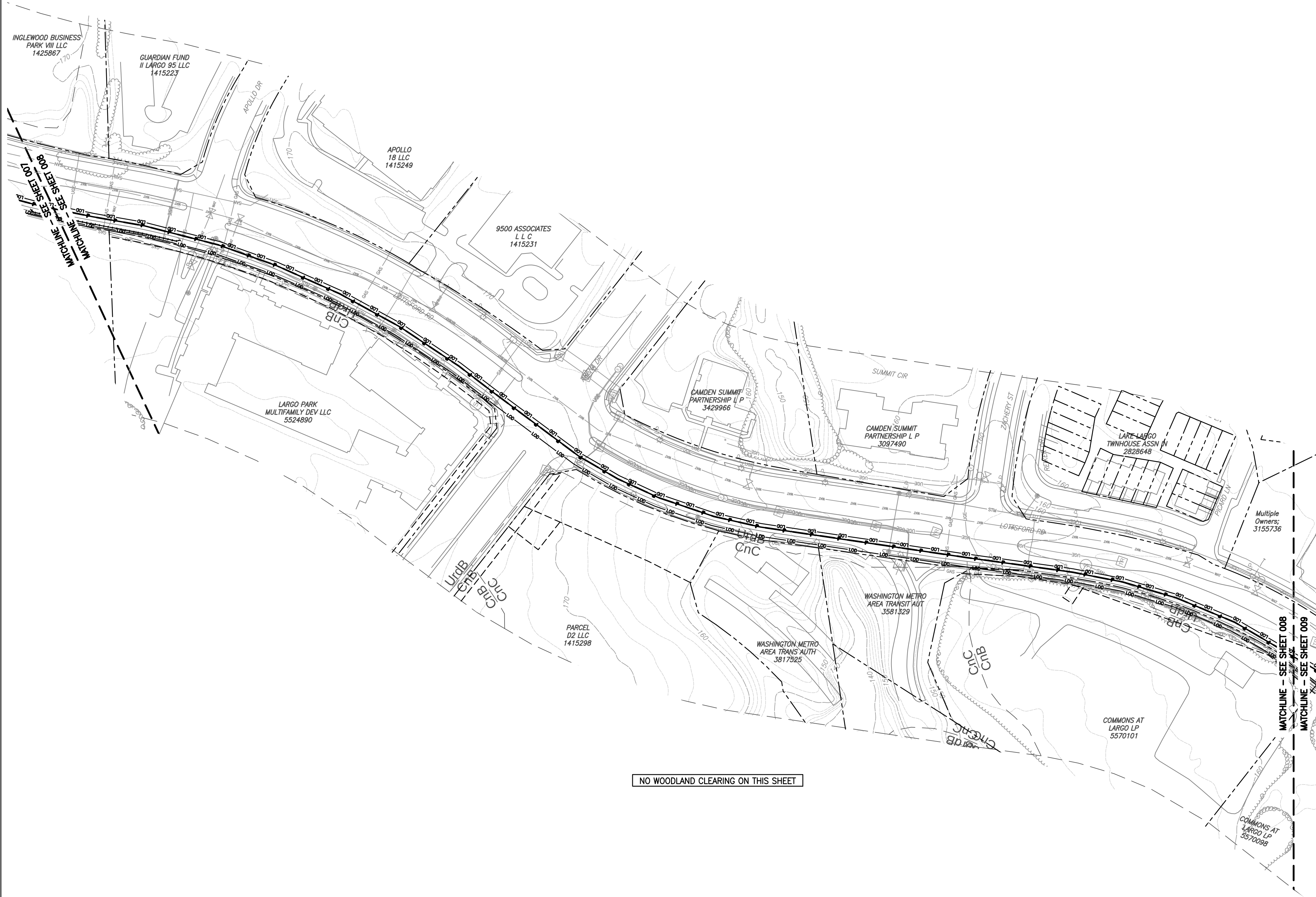
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

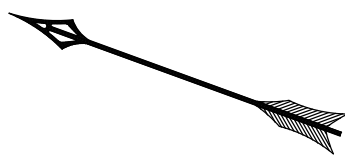
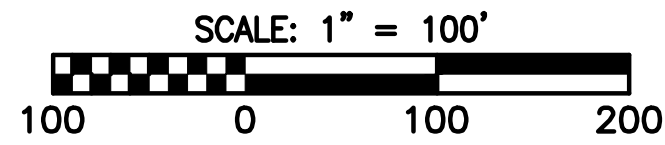
Signed: Gabriel Strain Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY		PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\131838-05-001-00-C-004.dwg - WGL - Strip 12 Land Acqui\2013\Production Drawings\TCP-2\131838-05-001-00-C-004.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC		APPROVED BY: STRAING		REVISION RECORD	
DWG TYPE: N/A		SCALE: AS SHOWN		ISSUE DATE: 06/21/2019		REVISION RECORD	
SHEET NO.: 7 OF 39		DATE: 6/21/2019		NO.: 1		DESCRIPTION: UPDATE MITIGATION TABLE	
GAI FILE NUMBER: C131838-05-001-00-C-004		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 007			



NO WOODLAND CLEARING ON THIS SHEET



- LEGEND**
- PROPOSED NATURAL GAS PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA
 - PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
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 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
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 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

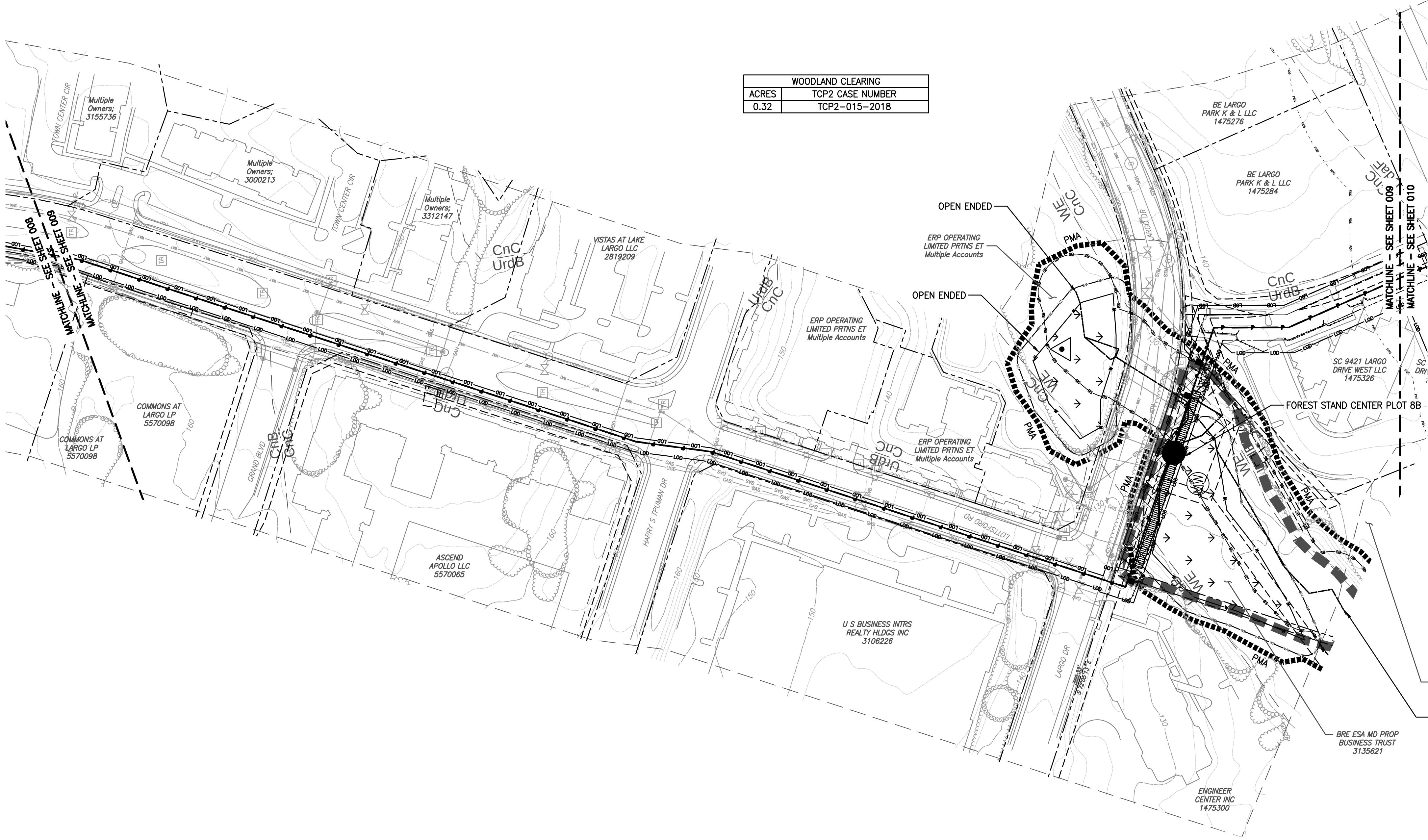
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

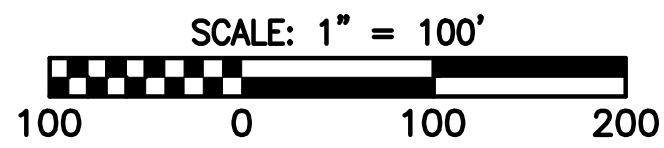
Signed: Gabriel Strain Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY		PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\131838-05-001-00-C-004.dwg - WBL - Strip 12 Land Acqui\GAI\Production Drawings\TCP-2\131838-05-001-00-C-004.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC		APPROVED BY: STRAING		REVISION RECORD	
DWG TYPE: N/A		SCALE: AS SHOWN		ISSUE DATE: 06/21/2019		REVISION	
SHEET NO.: 8 OF 39		DATE: 6/21/2019		NO.: 1		DESCRIPTION: UPDATE MITIGATION TABLE	
GAI FILE NUMBER: C131838-05-001-00-C-004		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 008			



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.32	TCP2-015-2018



- LEGEND**
- PROPOSED NATURAL GAS PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
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 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
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 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

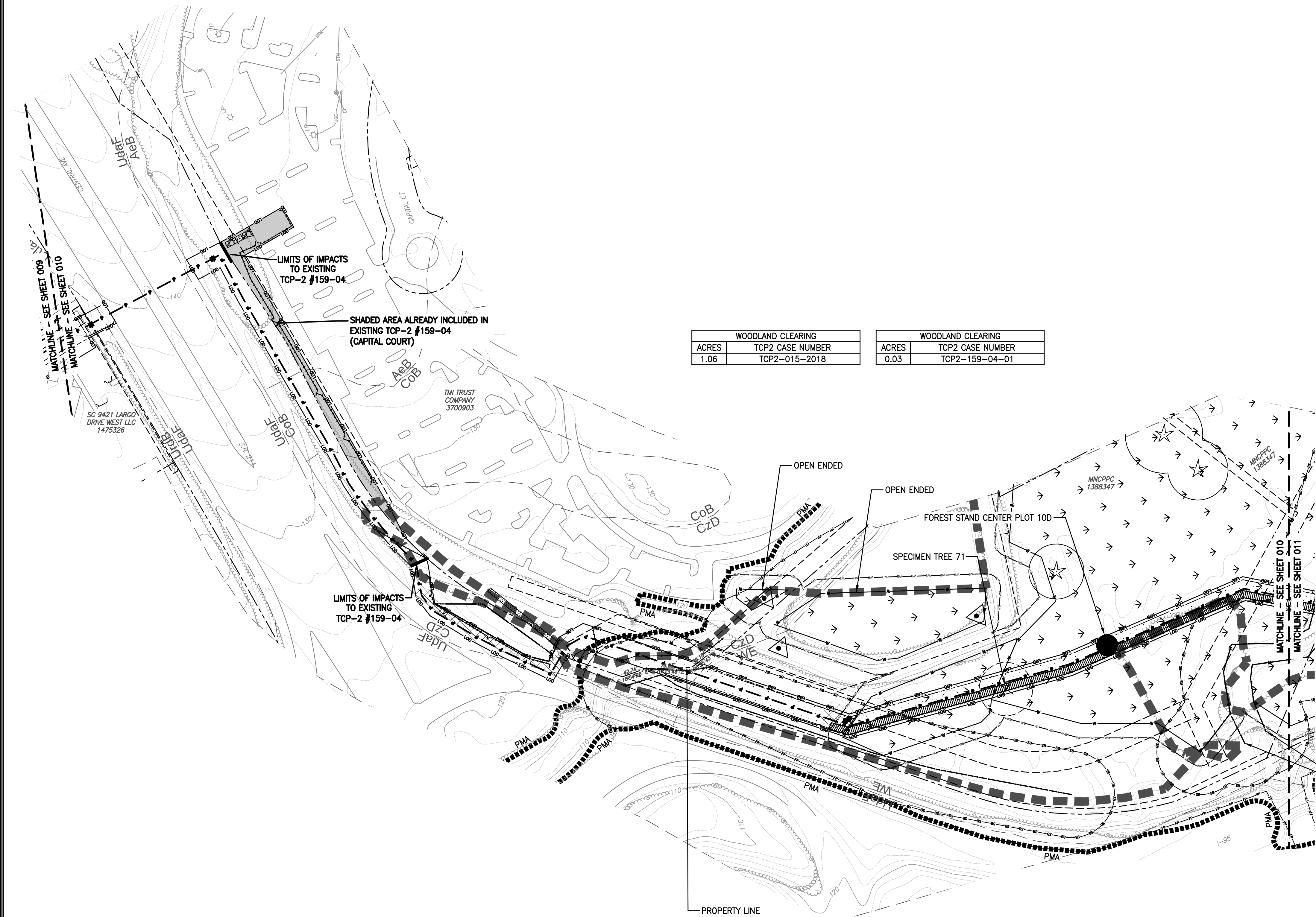
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

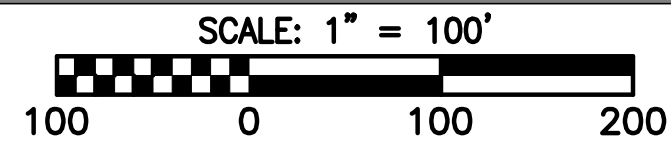
Signed: G. Strain Date: 06-21-2019

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\131838-05-001-00-C-004.dwg - W01 - Strip 12 Land Acqui\2013\Production\Drawings\TCP-2\131838-05-001-00-C-004.dwg GAI CAD FILE NAME: Z:\Energy\2013\131838-05-001-00-C-004.dwg - W01 - Strip 12 Land Acqui\2013\Production\Drawings\TCP-2\131838-05-001-00-C-004.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC	APPROVED BY: STRAING	REVISION RECORD		
DWG TYPE: N/A		SCALE: AS SHOWN	ISSUE DATE: 06/21/2019	NO.:	DATE:	DESCRIPTION:
SHEET NO.:		9 OF 39		NO.:	DATE:	DESCRIPTION:
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ALT./CLIENT DRAWING NUMBER:						
GAI DRAWING NUMBER:		009				



WOODLAND CLEARING		WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER	ACRES	TCP2 CASE NUMBER
1.06	TCP2-015-2018	0.03	TCP2-159-04-01



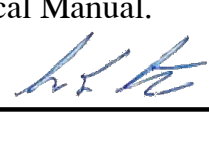
- LEGEND**
- PROPOSED NATURAL GAS PIPELINE
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 - EXIST. CONTOURS (2 FOOT INTERVALS)
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 - EXISTING WATERLINE VALVE
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Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE
TCP-2 PLAN

CLIENT
WASHINGTON
GAS LIGHT
COMPANY

PROJECT
PRINCE GEORGE'S COUNTY AND
DISTRICT OF COLUMBIA
RELIABILITY AND
REINFORCEMENT PROJECT

ISSUING OFFICE: Pittsburgh | 385 E. Waterfront Drive, Homestead, PA 15120
GAI CAD FILE PATH: Z:\Energy\2013\C131838-05-001-C-004.dwg - WBL - Sheet 12 Land Acquis\CAD\Production_Drawing\C131838-05-001-C-004.dwg - PLOTTED ON: 1/14/2019 10:22:36 AM - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg

DOYLEMP	WHEATTC	STRAING
DWG TYPE:	SCALE:	ISSUE DATE:
N/A	AS SHOWN	06/21/2019
SHEET NO.:		REVISION
10 OF 39		1
GAI FILE NUMBER:		
C131838-05-001-00-C-004		
ALT./CLIENT DRAWING NUMBER:		
GAI DRAWING NUMBER:		
010		

DRAWN BY:

CHECKED BY:

APPROVED BY:

DOYLEMP

WHEATTC

STRAING

DWG TYPE:

SCALE:

ISSUE DATE:

N/A

AS SHOWN

06/21/2019

SHEET NO.:

10 OF 39

REVISION

1

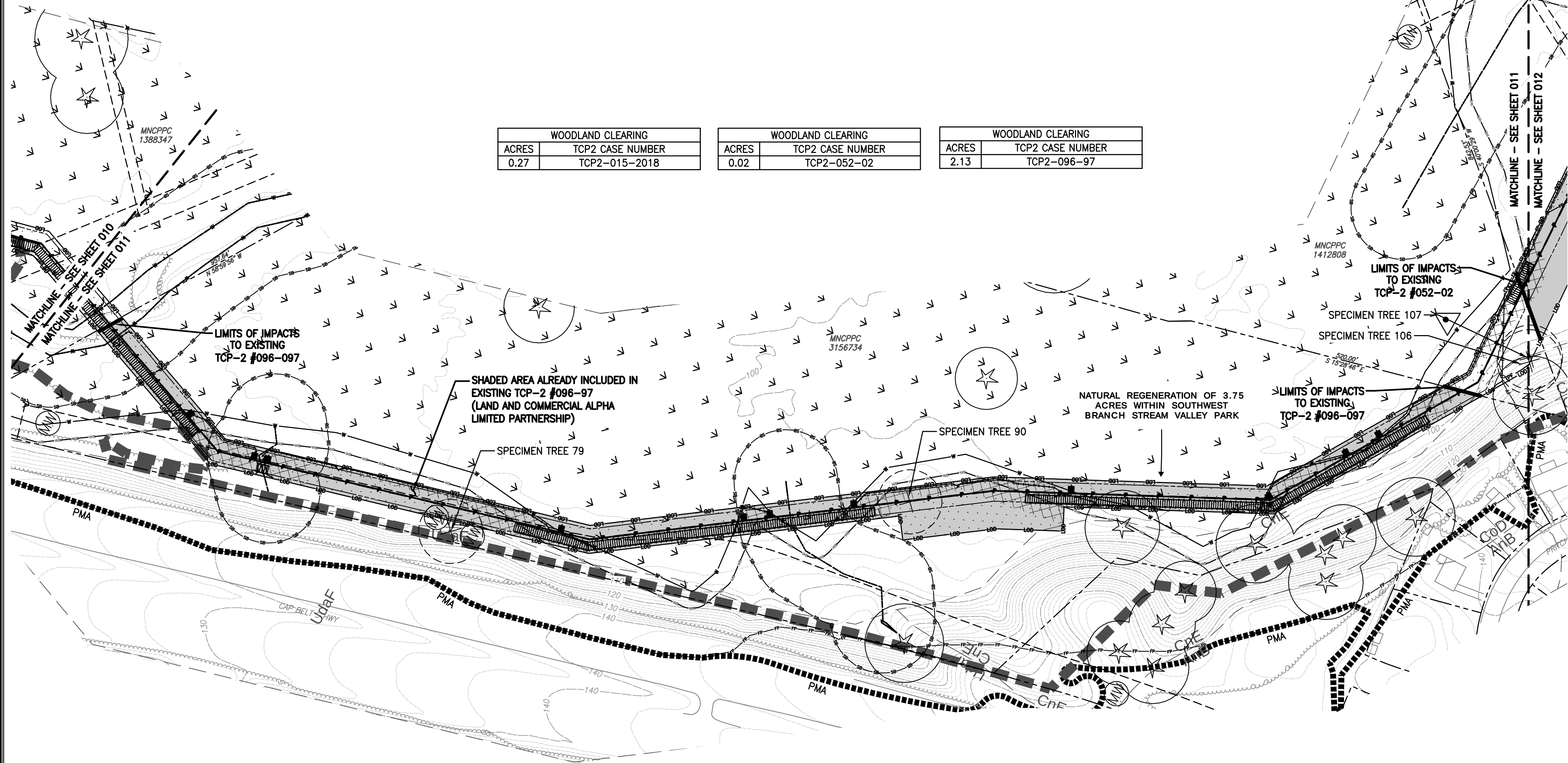
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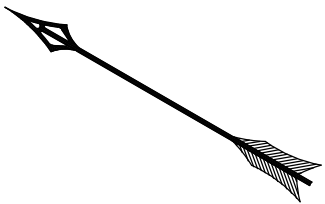
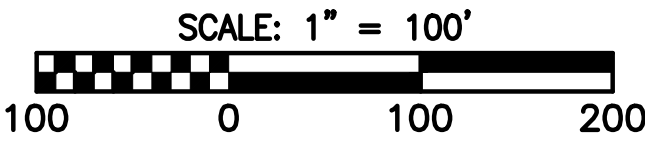
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GAI DRAWING NUMBER:

010



WOODLAND CLEARING		WOODLAND CLEARING		WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER	ACRES	TCP2 CASE NUMBER	ACRES	TCP2 CASE NUMBER
0.27	TCP2-015-2018	0.02	TCP2-052-02	2.13	TCP2-096-97



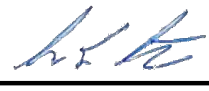
- LEGEND**
- PROPOSED NATURAL GAS PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA
 - PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)



Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

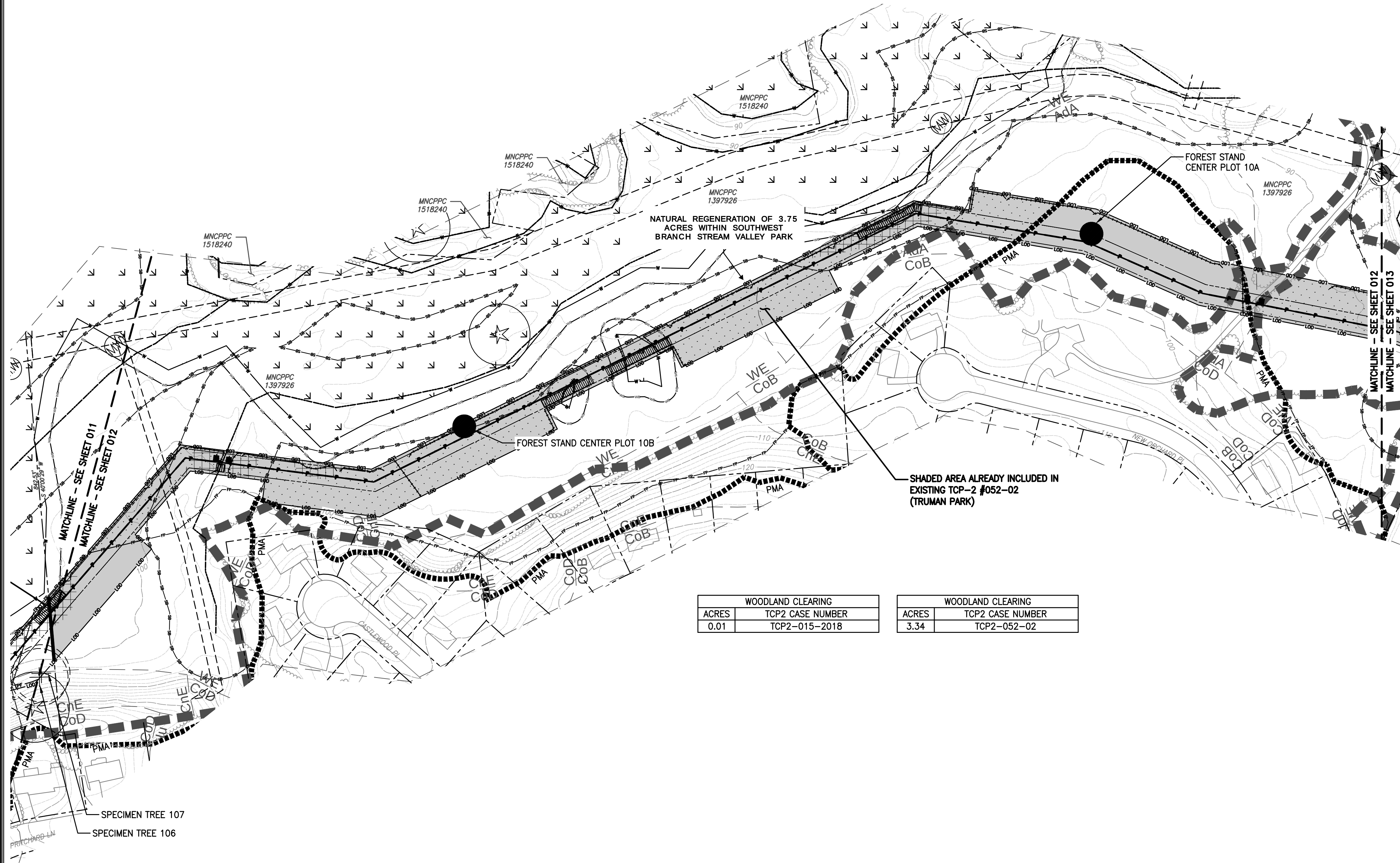
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

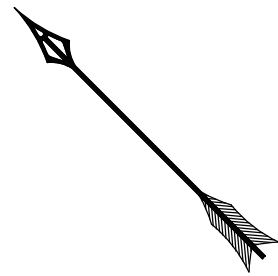
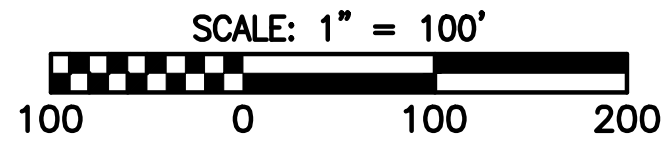
Signed:  Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE		CLIENT		PROJECT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		11/20/2018 4.0127 PM - PLOTTED BY: Michael Doyle - PLOT FILE: GAI-018	
DOYLEMP		WHEATTC		STRAING		APV:	
DWG TYPE:		SCALE:		ISSUE DATE:		REVISION	
N/A		AS SHOWN		06/21/2019		1	
SHEET NO.:		11 OF 39					
GAI FILE NUMBER:		C131838-05-001-00-C-004					
ALT./CLIENT DRAWING NUMBER:							
GAI DRAWING NUMBER:		011					



WOODLAND CLEARING			WOODLAND CLEARING		
ACRES	TCP2 CASE NUMBER		ACRES	TCP2 CASE NUMBER	
0.01	TCP2-015-2018		3.34	TCP2-052-02	



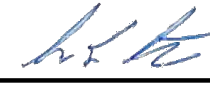
- LEGEND**
- PROPOSED NATURAL GAS PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)



Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

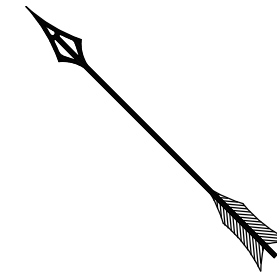
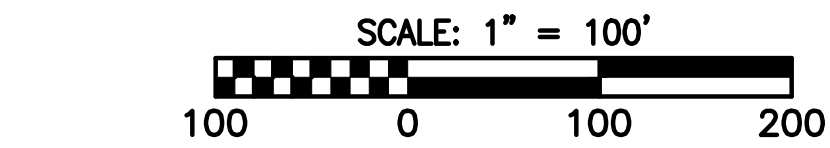
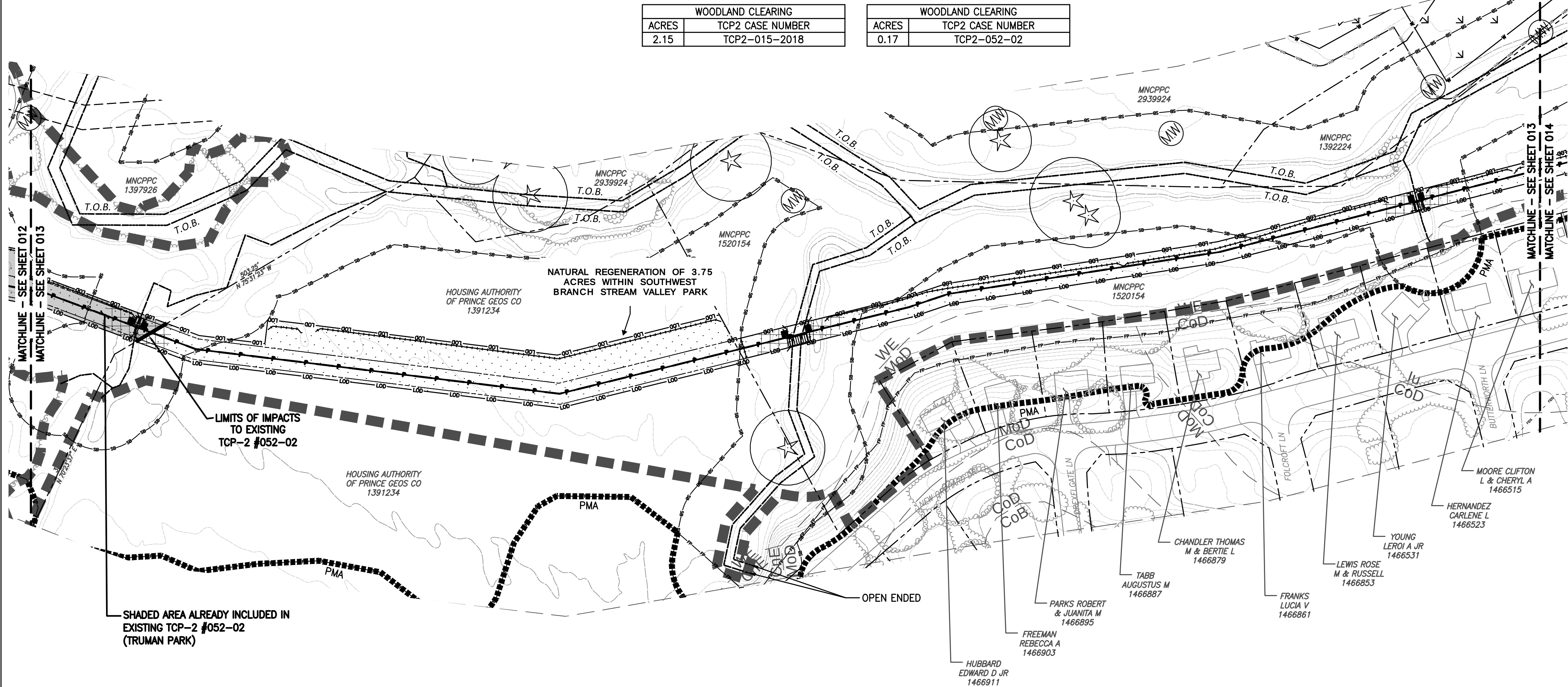
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\C131838-05-001-C-004.dwg - WBL - Sheet 12 Land Acquis\GAI\Production - Drawings\TCP2-2\C131838-05-001-C-004.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg	
1		6/21/2019	DOYLEMP	WHEATTC	STRAING	UPDATE MITIGATION TABLE
NO.:		DATE:	DWN:	CHK:	APV:	REVISION RECORD
12 OF 39		1				
GAI FILE NUMBER: C131838-05-001-00-C-004						
ALT./CLIENT DRAWING NUMBER:						
GAI DRAWING NUMBER: 012						



- LEGEND
- PROPOSED NATURAL GAS PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA
 - PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)



Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

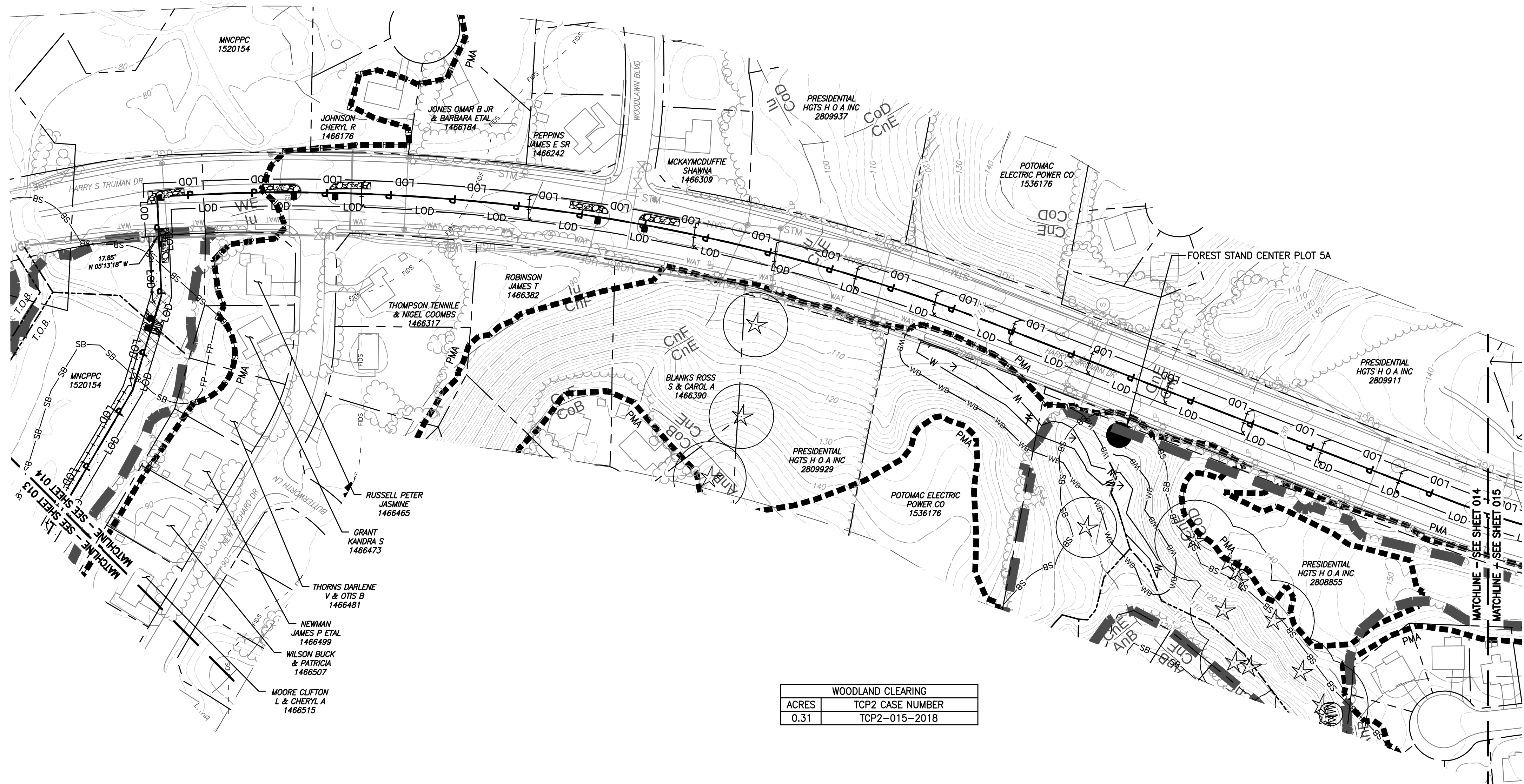
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

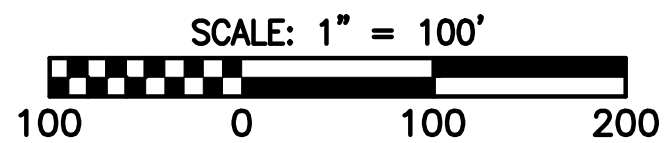
Signed: Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE		CLIENT		PROJECT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		1 6/21/2019 DOYLEMP WHEATTC STRAING NO. DATE: DWN: CHK: APV: DESCRIPTION:	
ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120		GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-004.dwg		GAI CAD FILE NAME: Z:\Energy\2013\G131838-05-001-00-C-004.dwg		PLOTTED BY: Michael Doyle	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC		APPROVED BY: STRAING			
DWG TYPE: N/A		SCALE: AS SHOWN		ISSUE DATE: 06/21/2019			
SHEET NO.: 13 OF 39		REVISION NO.: 1					
GAI FILE NUMBER: C131838-05-001-00-C-004		ALT./CLIENT DRAWING NUMBER:					
GAI DRAWING NUMBER: 013							



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.31	TCP2-015-2018



- LEGEND**
- P** PROPOSED NATURAL GAS PIPELINE
 - LOD** LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - UGU EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA** PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - SB SB SB STREAM BUFFERS
 - DELINEATED WETLANDS
 - WB WB WB DELINEATED WETLAND 25 FOOT BUFFER
 - DELINATED WETLAND DATA POINT/TEST PIT
 - OPEN ENDED
 - MW MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FIDS FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - RTE SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - FP 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - TPF PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: G. Strain Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE
TCP-2 PLAN

CLIENT
WASHINGTON
GAS LIGHT
COMPANY

PROJECT
PRINCE GEORGE'S COUNTY AND
DISTRICT OF COLUMBIA
RELIABILITY AND
REINFORCEMENT PROJECT

gai consultants

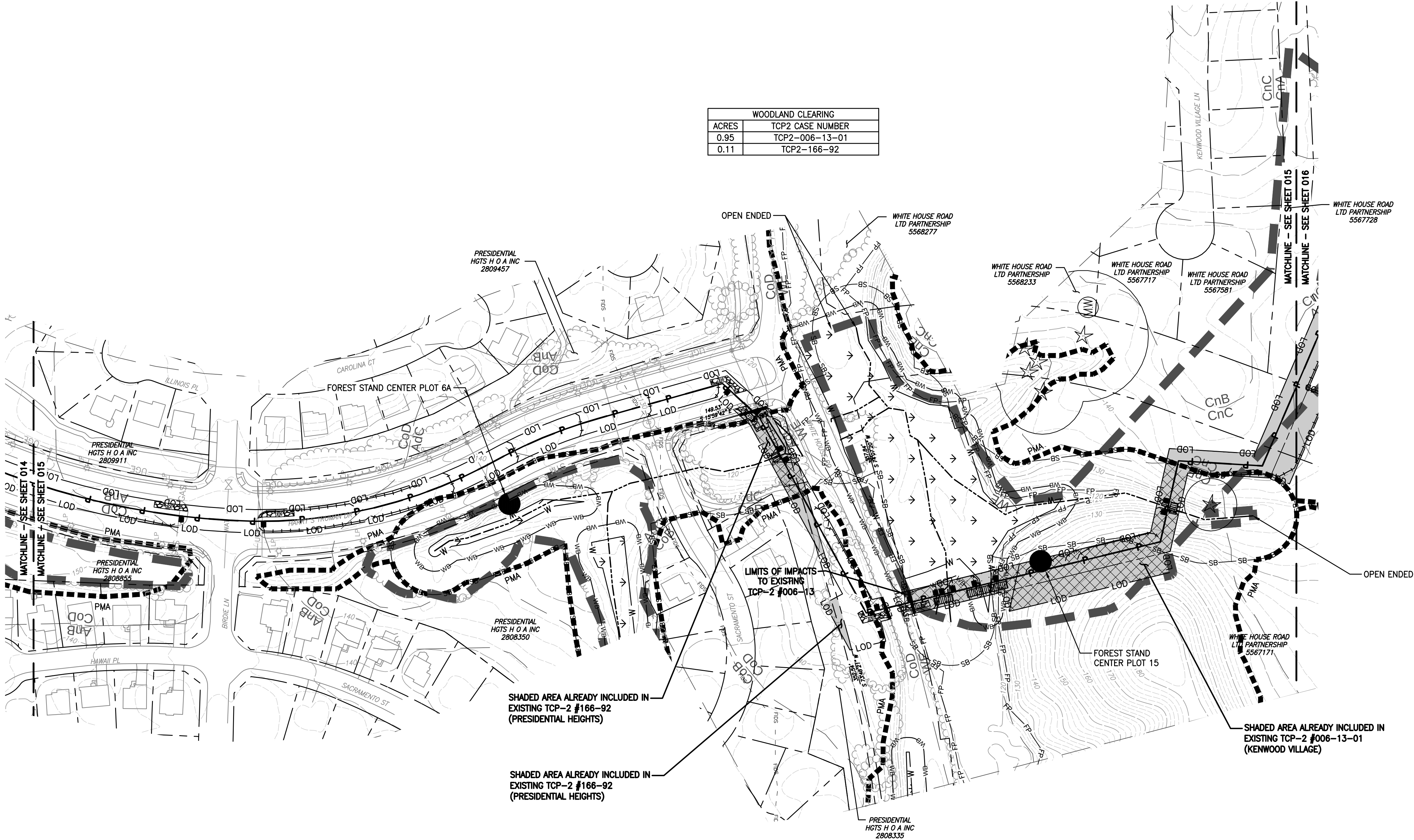
ISSUING OFFICE: Pittsburgh | 385 E. Waterfront Drive, Homestead, PA 15120
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DRAWN BY:	CHECKED BY:	APPROVED BY:
DOYLEMP	WHEATTC	STRAING
DWG TYPE:	SCALE:	ISSUE DATE:
N/A	AS SHOWN	06/21/2019
SHEET NO.: 14 OF 39		REVISION 1
GAI FILE NUMBER: C131838-05-001-00-C-014		
ALT./CLIENT DRAWING NUMBER:		
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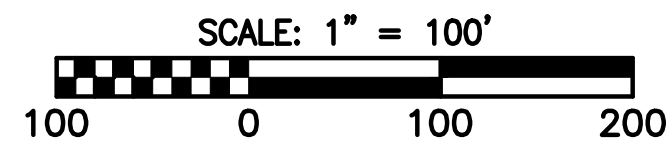
REVISION RECORD

NO.	DATE	DWN	CHK	APV	DESCRIPTION
1	6/21/2019	DOYLEMP	WHEATTC	STRAING	UPDATE MITIGATION TABLE

This drawing was produced with computer aided drafting technology and is supported by electronic drawing files. Do not revise this drawing via manual drafting methods.



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.95	TCP2-006-13-01
0.11	TCP2-166-92



- LEGEND**
- P** PROPOSED NATURAL GAS PIPELINE
 - LOD** LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - UGU EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA** PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)

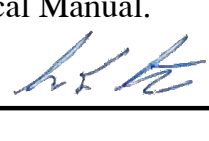
DRAWING TITLE		CLIENT		PROJECT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		1 6/21/2019 DOYLEMP WHEATTC STRAING DATE: 6/21/2019	
GAI FILE NUMBER:		C131838-05-001-00-C-014		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 015	
DRAWN BY:		CHECKED BY:		APPROVED BY:		DOYLEMP WHEATTC STRAING	
DWG TYPE:		SCALE:		ISSUE DATE:		N/A AS SHOWN 06/21/2019	
SHEET NO.:		15 OF 39		REVISION		1	
GAI FILE NUMBER:		C131838-05-001-00-C-014		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 015	
DRAWN BY:		CHECKED BY:		APPROVED BY:		DOYLEMP WHEATTC STRAING	
DWG TYPE:		SCALE:		ISSUE DATE:		N/A AS SHOWN 06/21/2019	
SHEET NO.:		15 OF 39		REVISION		1	
GAI FILE NUMBER:		C131838-05-001-00-C-014		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 015	

ISSUING OFFICE: Pittsburgh | 385 E. Waterfront Drive, Homestead, PA 15120
GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-014.dwg
Production: Drawings\TCP-2\G131838-05-001-00-C-014.dwg
Plot: 12/1/2018 3:52:15 PM
PLOT FILE: GAI.dwg

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com



WOODLAND CLEARING		WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER	ACRES	TCP2 CASE NUMBER
1.98	TCP2-015-2018	0.12	TCP2-006-13-01

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 – 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	<i>T. BURKE</i>	<i>10/22/2019</i>	N/A	<i>changes to plan</i>
02				
03				
04				
05				

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

SCALE: 1" = 100'

LEGEND

	P	PROPOSED NATURAL GAS PIPELINE
	LOD	LIMITS OF DISTURBANCE
		PROPOSED GAS EASEMENT
		EXIST. CONTOURS (2 FOOT INTERVALS)
		EXIST. CONTOURS (10 FOOT INTERVALS)
		PROPERTY BOUNDARY
		EXISTING RIGHT-OF-WAY
		EXISTING EASEMENT
		EXISTING GAS LINE
		EXISTING UNDERGROUND ELECTRIC
		EXISTING SANITARY SEWER
		EXISTING STORM SEWER
		EXISTING WATERLINE
		EXISTING WATERLINE VALVE
		EXISTING UNDERGROUND UTILITY (UNKNOWN)
		EXISTING CULVERT
	PMA	PRIMARY MANAGEMENT AREA
		POND LIMITS
		DELINEATED STREAM
		STREAM BUFFERS
		DELINEATED WETLANDS
		DELINEATED WETLAND 25 FOOT BUFFER
		DELINEATED WETLAND DATA POINT/TEST PIT
		STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
		MANHOLE OR WELL LOCATION
		TREELINE
		FOREST STAND BOUNDARY
		FOREST STAND CENTER PLOT
		SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
		SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
		LIMITS OF MILITARY INSTALLATION OVERLAY – HEIGHT, ZONE 'E'
		FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
		SENSITIVE SPECIES PROJECT REVIEW AREA
		EXISTING TRAILS/PATHWAYS
		100 YEAR FLOODPLAIN
		CLEARED FLOODPLAIN AREA
		SOIL TYPE BOUNDARIES
		EXISTING BUILDINGS, ROADS, PARKING, ETC.
		PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
		PROPOSED TIMBER MATTING
		PROPOSED WATERBAR
		PROPOSED STABILIZED CONSTRUCTION ENTRANCE
		PROPOSED TRENCH PLUG
		PROPOSED PERMANENT SOIL STABILIZATION MATTING
		PROPOSED TREE PROTECTION FENCE (TEMPORARY)

DRAWN BY:			CHECKED BY:			APPROVED BY:		
DOYLEMP			WHEATTC			STRAING		
DWG TYPE:			SCALE:			ISSUE DATE:		
N/A			AS SHOWN			06/21/2019		
SHEET NO.:						REVISION		
16 OF 39								
GAI FILE NUMBER:								
C131838-05-001-00-C-014								
ALT./CLIENT DRAWING NUMBER:								
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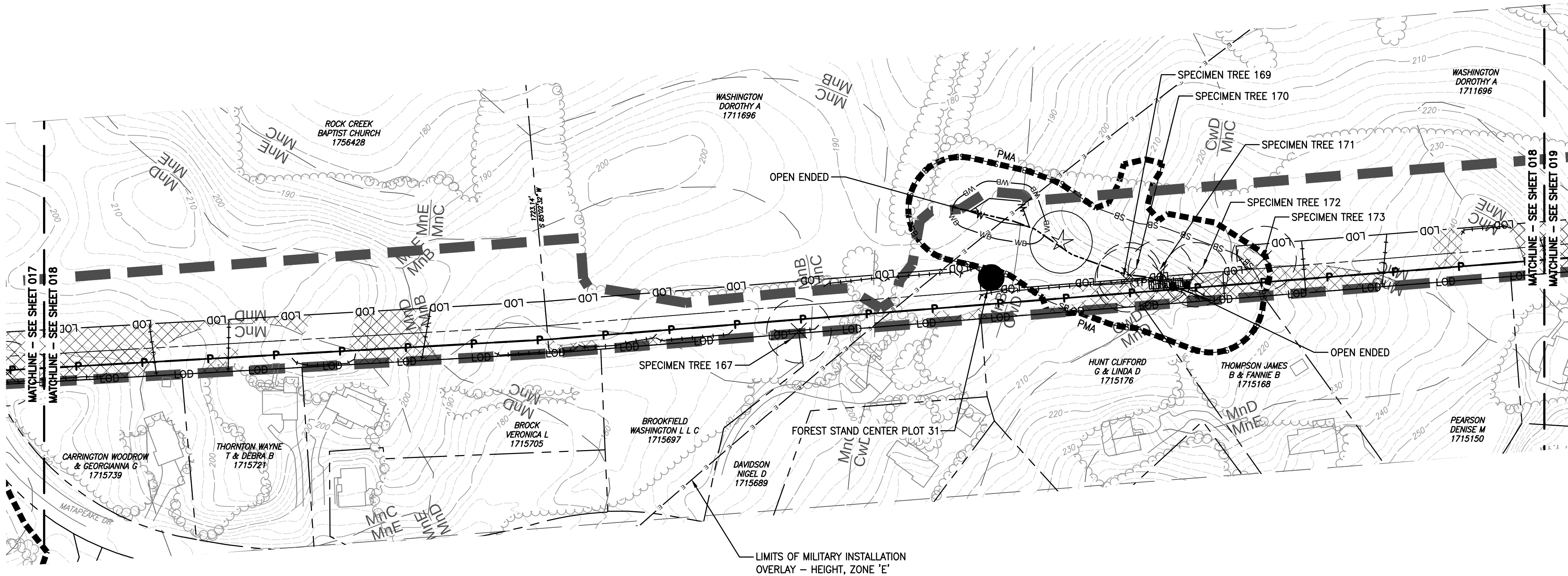


Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	<i>T. BURKE</i>	<i>10/22/2019</i>	<i>N/A</i>	<i>changes to plan</i>
02				
03				
04				
05				

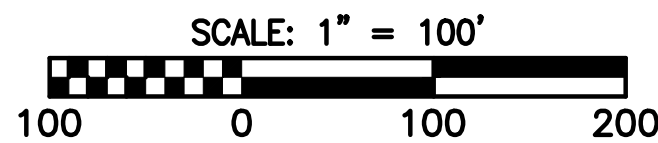
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

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WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
3.27	TCP2-015-2018

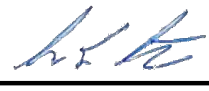


- LEGEND**
- P — PROPOSED NATURAL GAS PIPELINE
 - LOD — LIMITS OF DISTURBANCE
 - — — — — PROPOSED GAS EASEMENT
 - - - - - EXIST. CONTOURS (2 FOOT INTERVALS)
 - - - - - EXIST. CONTOURS (10 FOOT INTERVALS)
 - — — — — PROPERTY BOUNDARY
 - - - - - EXISTING RIGHT-OF-WAY
 - - - - - EXISTING EASEMENT
 - — — — — EXISTING GAS LINE
 - — — — — EXISTING UNDERGROUND ELECTRIC
 - — — — — EXISTING SANITARY SEWER
 - — — — — EXISTING STORM SEWER
 - — — — — EXISTING WATERLINE
 - — — — — EXISTING WATERLINE VALVE
 - — — — — EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - — — — — EXISTING CULVERT
 - PMA — PRIMARY MANAGEMENT AREA
 - — — — — POND LIMITS
 - - - - - DELINEATED STREAM
 - SB — SB — SB — STREAM BUFFERS
 - M — W — WB — WB — WB — DELINEATED WETLANDS
 - △ — DELINEATED WETLAND DATA POINT/TEST PIT
 - OPEN ENDED
 - MW — MANHOLE OR WELL LOCATION
 - — — — — TREELINE
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 - — FOREST STAND CENTER PLOT
 - ☆ — SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - ⊗ — SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - E — E — E — E — LIMITS OF MILITARY INSTALLATION OVERLAY — HEIGHT, ZONE 'E'
 - FIDS — FIDS — FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - RTE — RTE — SENSITIVE SPECIES PROJECT REVIEW AREA
 - — — — — EXISTING TRAILS/PATHWAYS
 - FP — FP — FP — 100 YEAR FLOODPLAIN
 - — — — — CLEARED FLOODPLAIN AREA
 - — — — — SOIL TYPE BOUNDARIES
 - — — — — EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - — — — — PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
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 - — — — — PROPOSED WATERBAR
 - — — — — PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - — — — — PROPOSED TRENCH PLUG
 - — — — — PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - — — — — PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2- 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	T. BURKE	10/22/2019	N/A	changes to plan
02				
03				
04				
05				

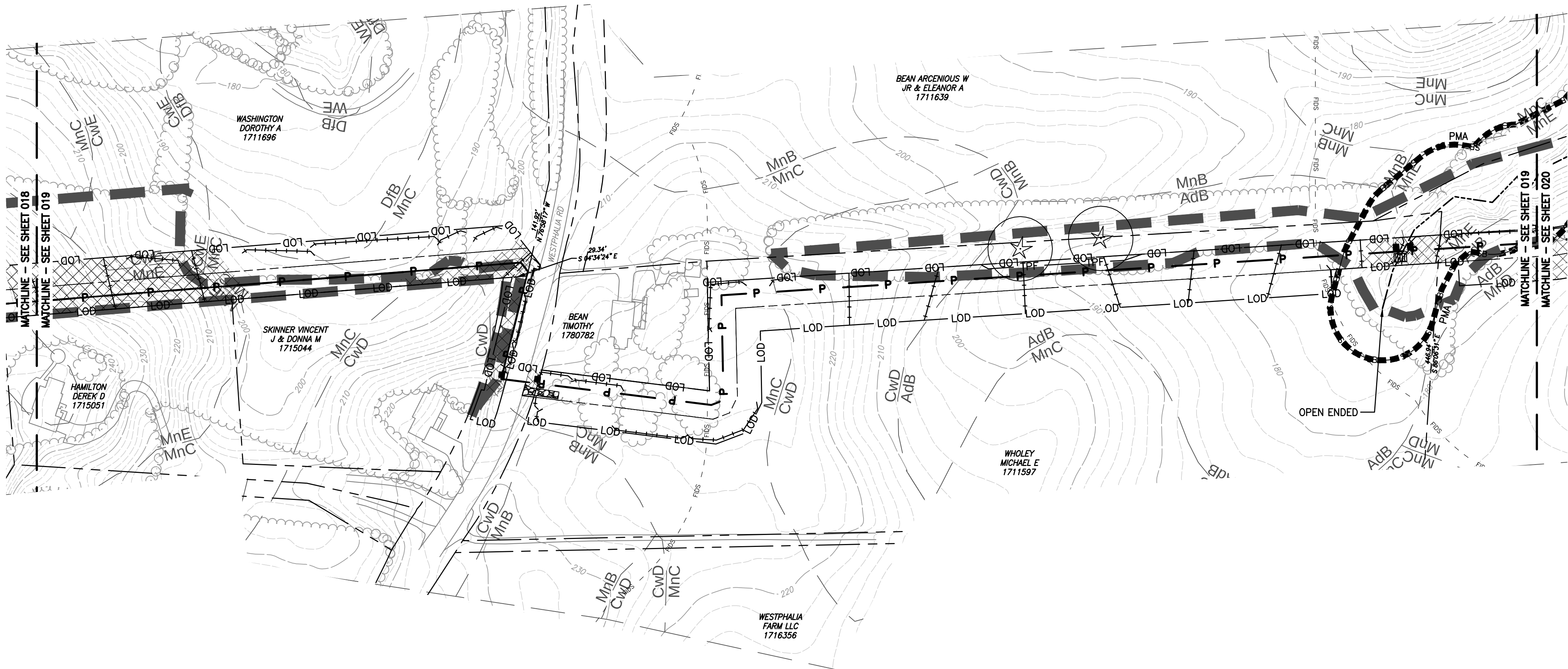
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **06-21-2019**

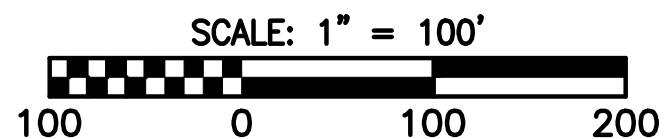
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE		CLIENT		PROJECT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		1 6/21/2019 DOYLEMP WHEATTC STRAING APV: CHK: DWN: NO.: DATE:	
ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120		GAI CAD FILE PATH: Z:\Energy\2013\G131838-00 - WGL - Strip 12 Land Acqui\GAI\Production Drawings\TCP2-2\G131838-05-001-00-C-014.dwg		PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg		This drawing was produced with computer aided drafting technology and is approved by electronic drawing files. Do not make this drawing via manual drafting methods.	
DRAWN BY:		CHECKED BY:		APPROVED BY:			
DOYLEMP		WHEATTC		STRAING			
DWG TYPE:		SCALE:		ISSUE DATE:			
N/A		AS SHOWN		06/21/2019			
SHEET NO.:		18 OF 39		REVISION		1	
GAI FILE NUMBER:		C131838-05-001-00-C-014		ALT./CLIENT DRAWING NUMBER:			
GAI DRAWING NUMBER:		018					



NOTE:
AREA SHOWN ON THIS SHEET IS WITHIN LIMITS OF MILITARY INSTALLATION
OVERLAY - HEIGHT, ZONE 'E'.

WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
1.06	TCP2-015-2018

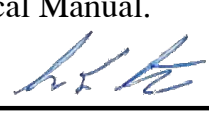


- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
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 - EXISTING CULVERT
 - PMA PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - SB SB SB STREAM BUFFERS
 - DELINEATED WETLANDS
 - WB WB WB DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - OPEN ENDED
 - MW MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
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 - CLEARED FLOODPLAIN AREA
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 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - TPF PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

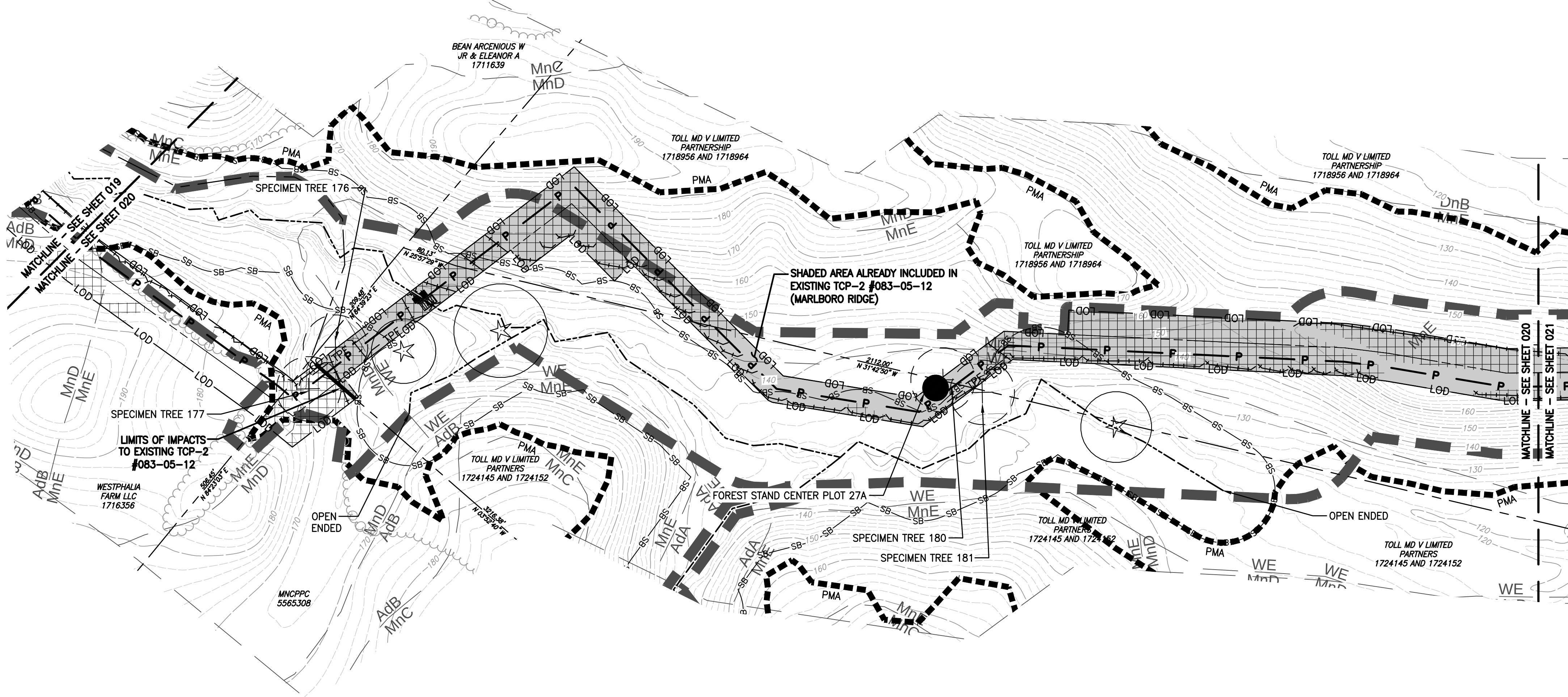
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **06-21-2019**

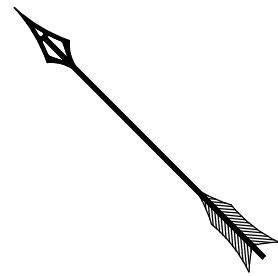
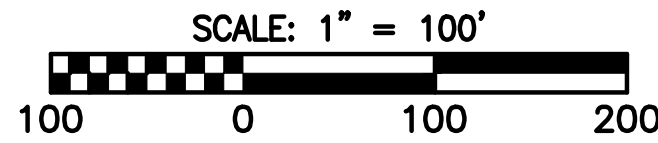
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-014.dwg - WBL - Strip 12 Land Acqui\CAD\Production Drawings\TCP2-2\G131838-05-001-00-C-014.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: gdl.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC	APPROVED BY: STRAING		REVISION RECORD	
DWG TYPE: N/A		SCALE: AS SHOWN	ISSUE DATE: 06/21/2019		1 6/21/2019 DOYLEMP STRAING WHEATTC APV: CHK: DWN: DATE: NO.:	
SHEET NO.: 19 OF 39		REVISION 1		GAI FILE NUMBER: C131838-05-001-00-C-014		
ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 019				



NOTE:
AREA SHOWN ON THIS SHEET IS WITHIN LIMITS OF MILITARY INSTALLATION
OVERLAY - HEIGHT, ZONE 'E'.

WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
2.33	TCP2-083-05-12
0.33	TCP2-015-2018



- LEGEND**
- P PROPOSED NATURAL GAS PIPELINE
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Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
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01 T. BURKE	10/22/2019	N/A	changes to plan	
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05				

QUALIFIED PROFESSIONAL CERTIFICATION

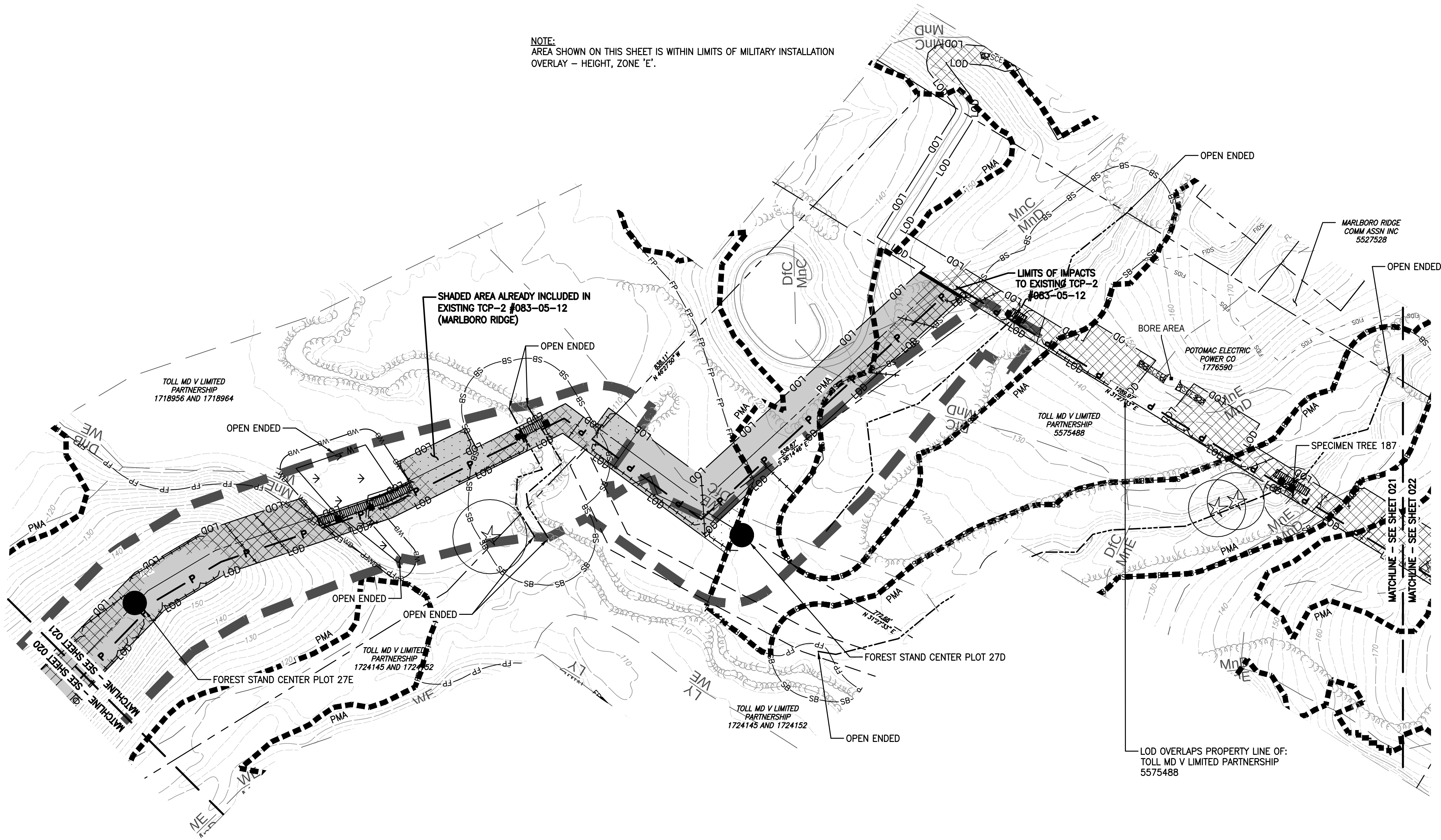
This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: G. Strain Date: **06-21-2019**

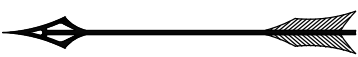
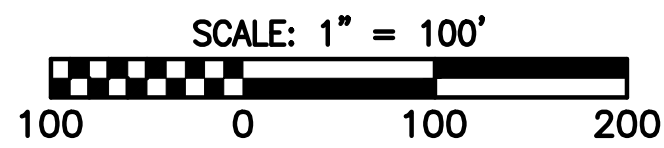
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWN BY:			CHECKED BY:			APPROVED BY:			
DOYLEMP			WHEATTC			STRAINING			
DWG TYPE:			SCALE:			ISSUE DATE:			
N/A			AS SHOWN			06/21/2019			
SHEET NO.:						REVISION			
20 OF 39						1			
GAI FILE NUMBER:									
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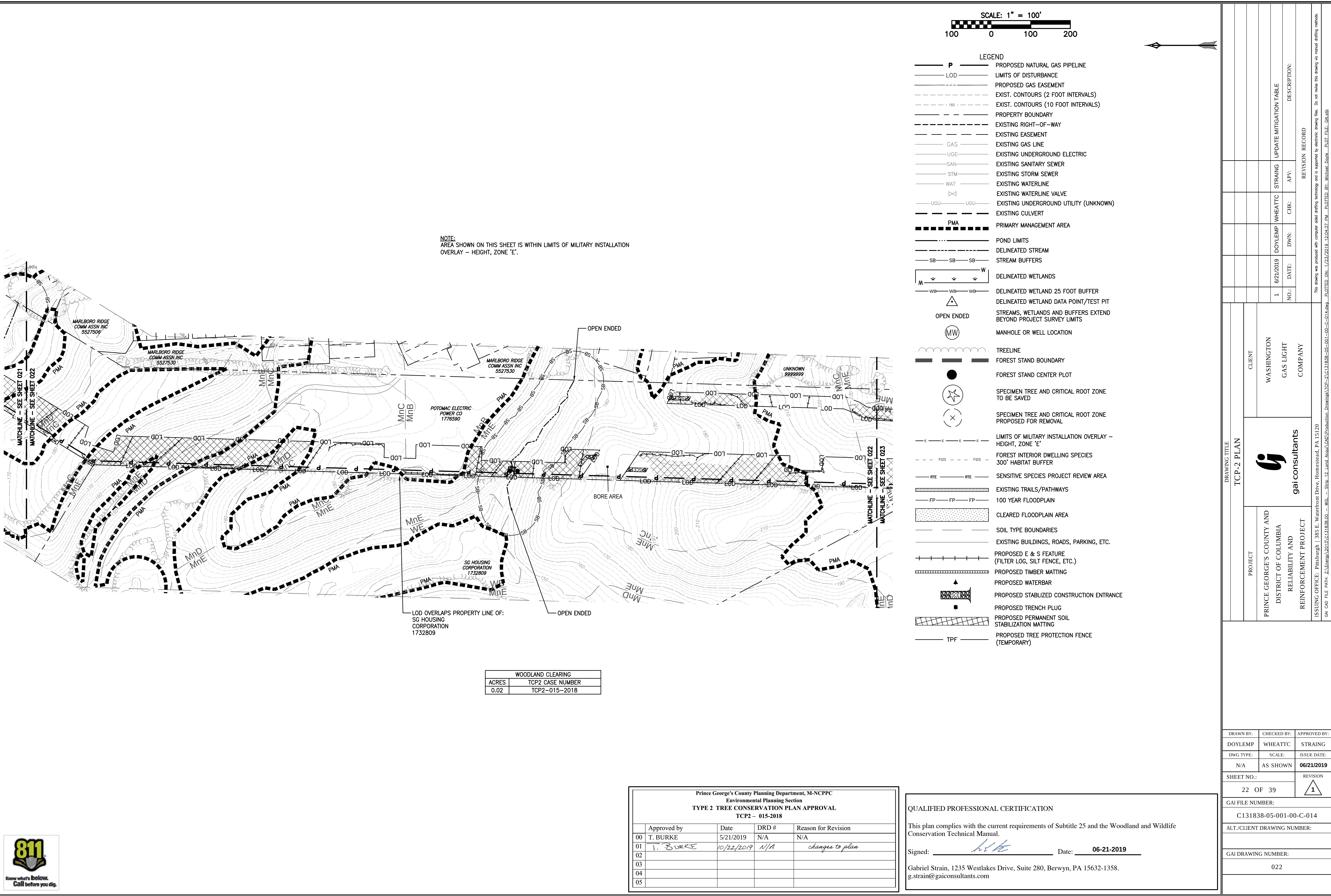


WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
1.47	TCP2-083-05-12
0.03	TCP2-015-2018



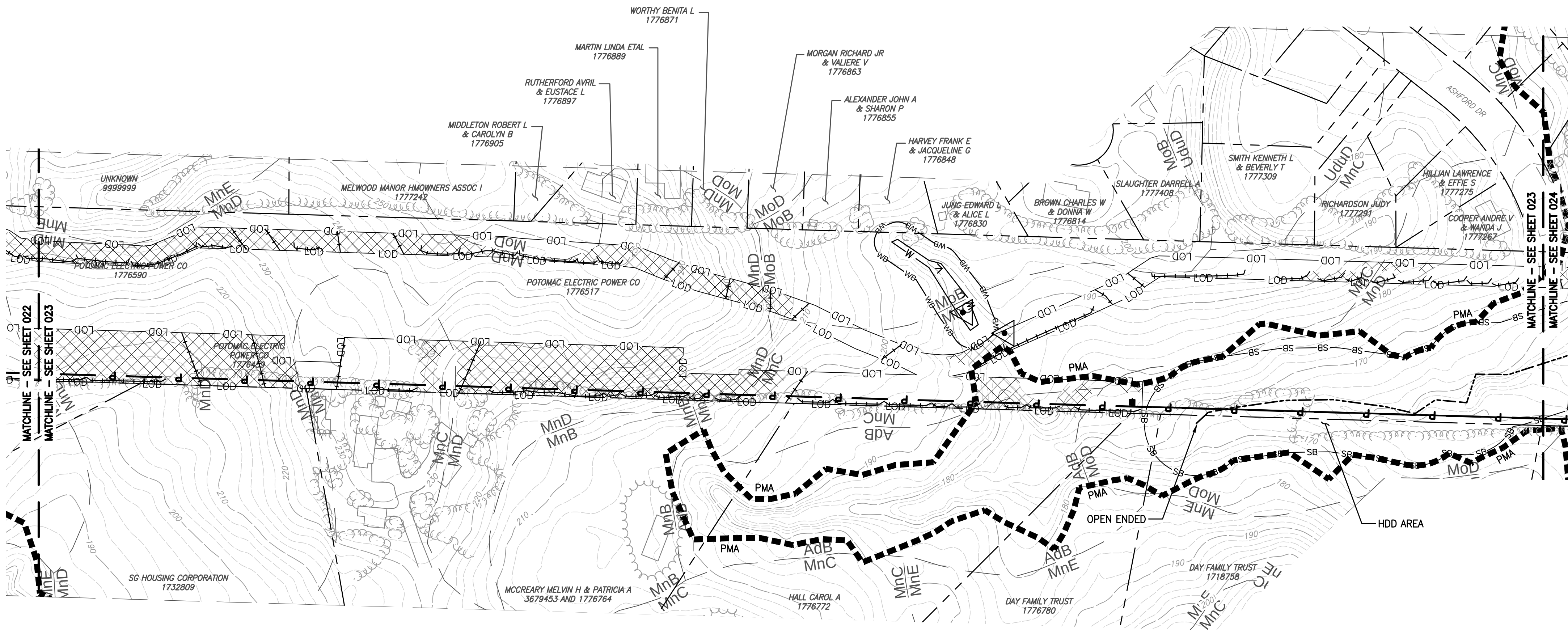
LEGEND	
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	FOREST STAND CENTER PLOT
	SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
	SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
	LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
	FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
	SENSITIVE SPECIES PROJECT REVIEW AREA
	EXISTING TRAILS/PATHWAYS
	100 YEAR FLOODPLAIN
	CLEARED FLOODPLAIN AREA
	SOIL TYPE BOUNDARIES
	EXISTING BUILDINGS, ROADS, PARKING, ETC.
	PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
	PROPOSED TIMBER MATTING
	PROPOSED WATERBAR
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED TRENCH PLUG
	PROPOSED PERMANENT SOIL STABILIZATION MATTING
	PROPOSED TREE PROTECTION FENCE (TEMPORARY)

		DRAWING TITLE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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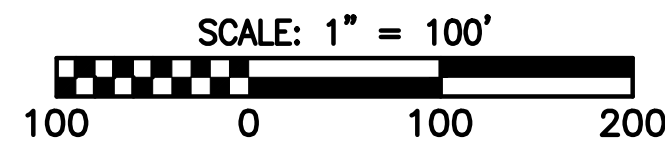




NOTE:
AREA SHOWN ON THIS SHEET IS WITHIN LIMITS OF MILITARY INSTALLATION
OVERLAY – HEIGHT, ZONE 'E'.



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.18	TCP2-015-2018

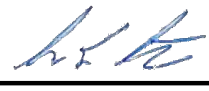


- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - SB SB SB STREAM BUFFERS
 - DELINEATED WETLANDS
 - WB WB WB DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
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 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - TPF PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 – 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	T. BURKE	10/22/2019	N/A	changes to plan
02				
03				
04				
05				

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT	ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\G131838-00-C-003.dwg Production: Drawings\TCP-2\G131838-00-C-003.dwg Plot Date: 12/1/2018 4:39:59 PM PLOT FILE: 004.dwg
DRAWN BY: DOYLEMP	CHECKED BY: WHEATTC	APPROVED BY: STRAING		
DWG TYPE: N/A	SCALE: AS SHOWN	ISSUE DATE: 06/21/2019		
SHEET NO.: 23 OF 39			REVISION 1	
GAI FILE NUMBER: C131838-05-001-00-C-023				
ALT./CLIENT DRAWING NUMBER:				
GAI DRAWING NUMBER: 023				



NO WOODLAND CLEARING THIS SHEET

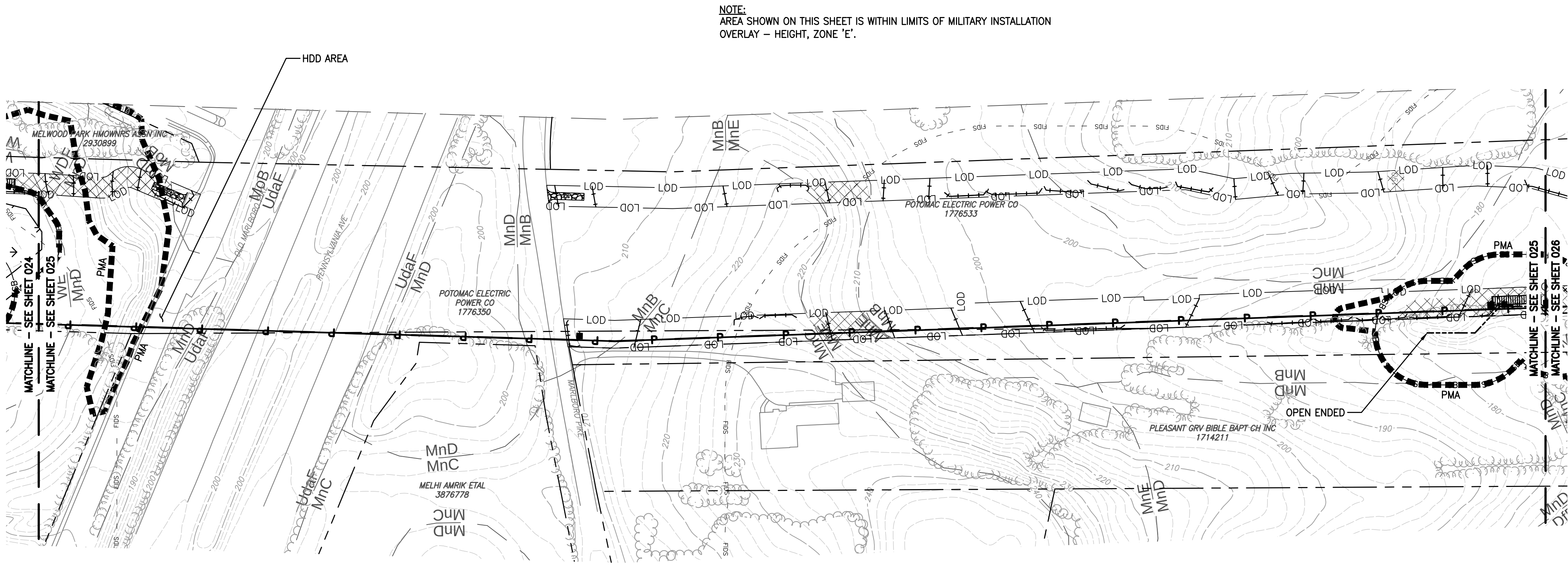


QUALIFIED PROFESSIONAL CERTIFICATION

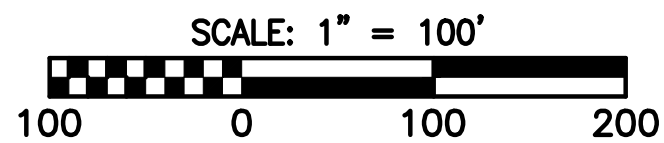
This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.04	TCP2-015-2018



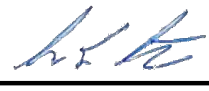
- LEGEND
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 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
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 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - TPF PROPOSED TREE PROTECTION FENCE (TEMPORARY)



Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 – 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	T. BURKE	10/22/2019	N/A	changes to plan
02				
03				
04				
05				

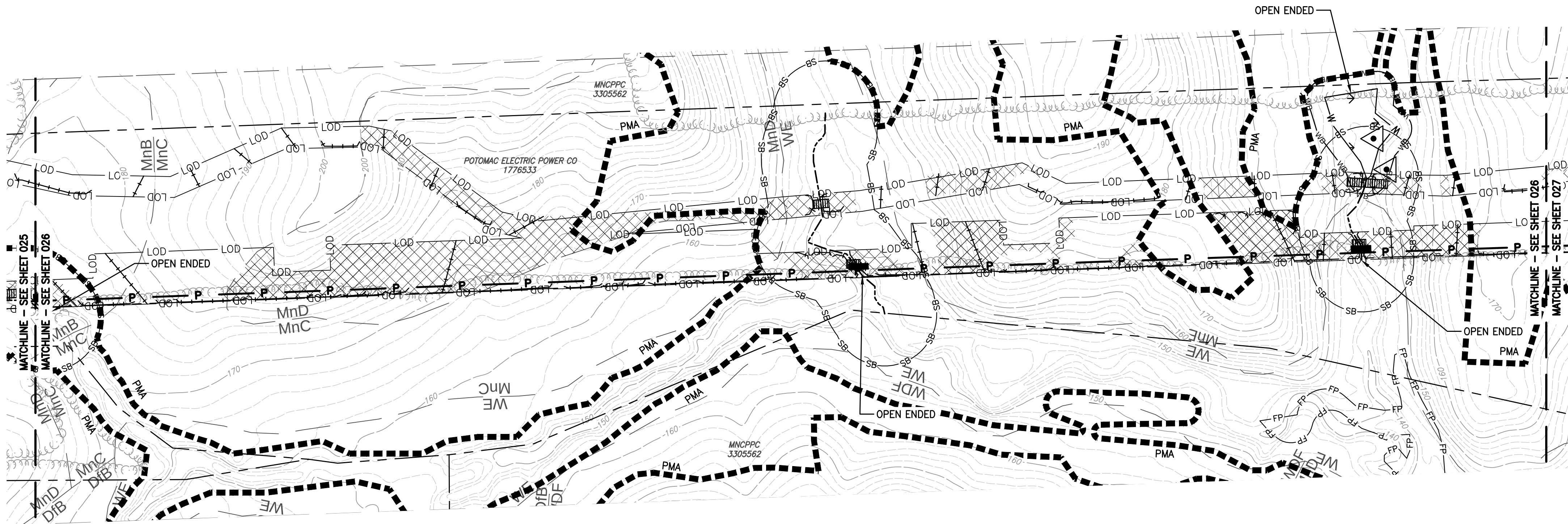
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **06-21-2019**

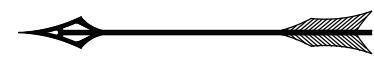
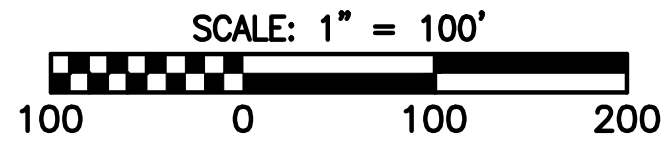
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE		CLIENT		PROJECT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		1 6/21/2019 DOYLEMP WHEATTC STRAING NO.: DATE: DWN: CHK: APV: DESCRIPTION:	
ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120		GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-023.dwg		DRAWING: TCP2-015-2018-05-001-00-C-023.dwg		PLOT FILE: GAI.dwg	
DRAWN BY:		CHECKED BY:		APPROVED BY:			
DOYLEMP		WHEATTC		STRAING			
DWG TYPE:		SCALE:		ISSUE DATE:			
N/A		AS SHOWN		06/21/2019			
SHEET NO.:		25 OF 39		REVISION		1	
GAI FILE NUMBER:		C131838-05-001-00-C-023		ALT./CLIENT DRAWING NUMBER:			
GAI DRAWING NUMBER:		025					



NOTE:
AREA SHOWN ON THIS SHEET IS WITHIN LIMITS OF MILITARY INSTALLATION
OVERLAY - HEIGHT, ZONE 'E'.

WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.40	TCP2-015-2018



- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
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 - PROPOSED GAS EASEMENT
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 - EXIST. CONTOURS (10 FOOT INTERVALS)
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Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
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04				
05				

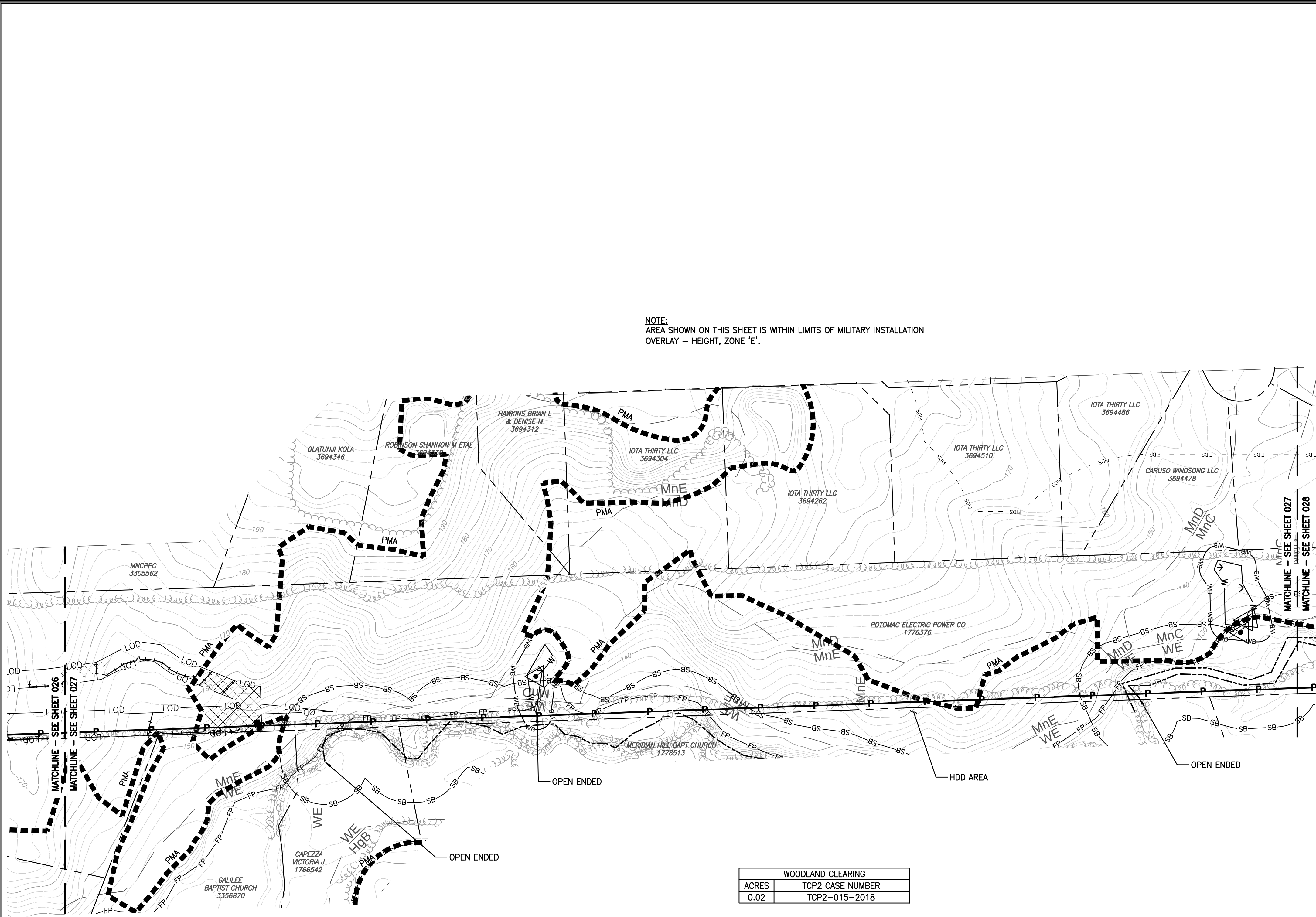
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: [Signature] Date: 06-21-2019

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
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NOTE:
AREA SHOWN ON THIS SHEET IS WITHIN LIMITS OF MILITARY INSTALLATION
OVERLAY - HEIGHT, ZONE 'E'.

WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.02	TCP2-015-2018

SCALE: 1" = 100'



- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - SB SB SB STREAM BUFFERS
 - DELINEATED WETLANDS
 - WB WB WB DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FIDS FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - RTE SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - FP 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - TPF PROPOSED TREE PROTECTION FENCE (TEMPORARY)



Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

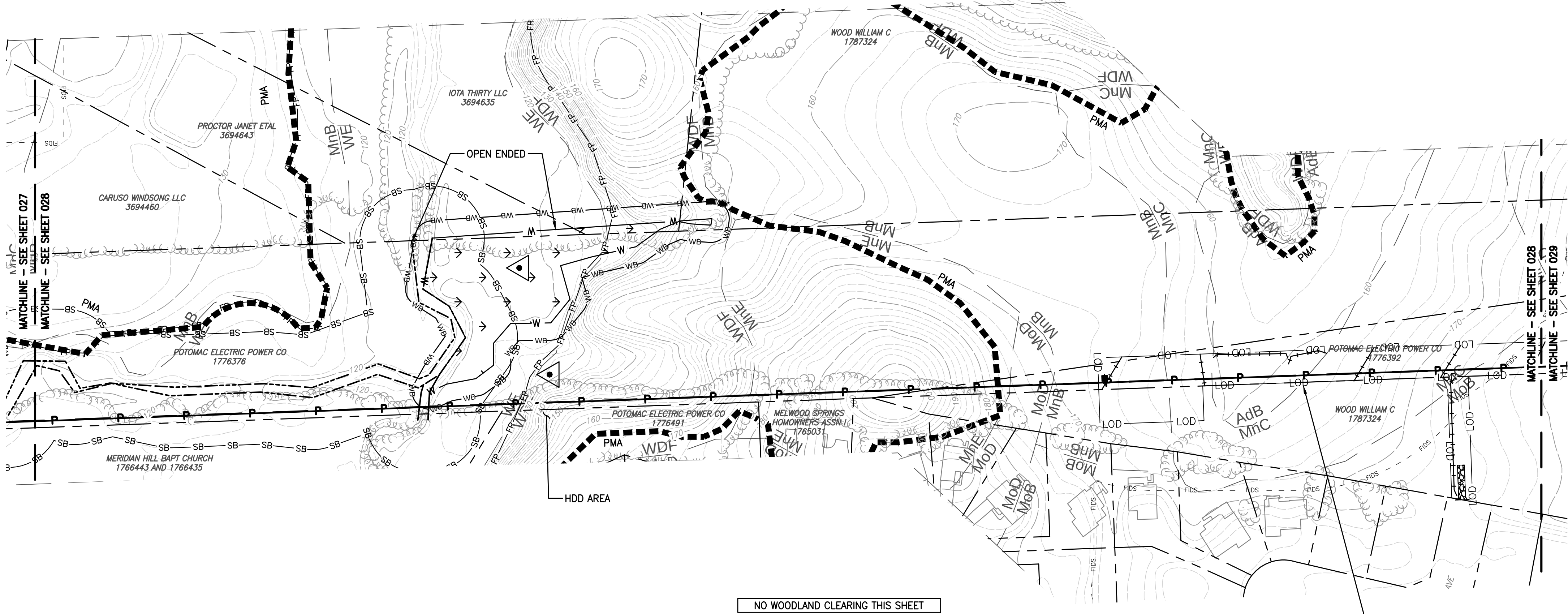
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: [Signature] Date: 06-21-2019

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

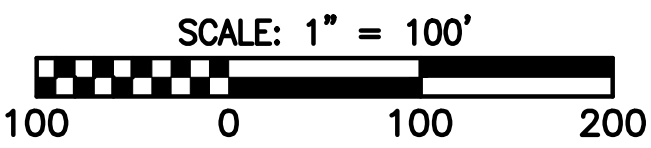
										DRAWING TITLE																			
										TCP-2 PLAN																			
										 gai consultants										CLIENT									
																				WASHINGTON GAS LIGHT COMPANY									
										PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT																			
										1										6/21/2019 DOYLEMP WHEATTC STRAING NO.: DATE: DWN: CHK: APV: DESCRIPTION:									
																				REVISION RECORD									
										ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120										This drawing was produced with computer aided drafting technology and is supported by electronic drawing files. Do not make this drawing via manual drafting methods.									
										GAI CAD FILE PATH: Z:\Energy\2013\G131838.000 - WGL - Strip 12 Land Acq\G131838.000 - WGL - Strip 12 Land																			



NOTE:
AREA SHOWN ON THIS SHEET IS WITHIN LIMITS OF MILITARY INSTALLATION
OVERLAY – HEIGHT, ZONE 'E'.

NO WOODLAND CLEARING THIS SHEET

LOD OVERLAPS PROPERTY LINE OF:
WOOD WILLIAM C
1787324

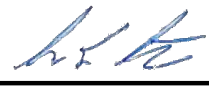


- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY – HEIGHT, ZONE 'E'
 - FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 – 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

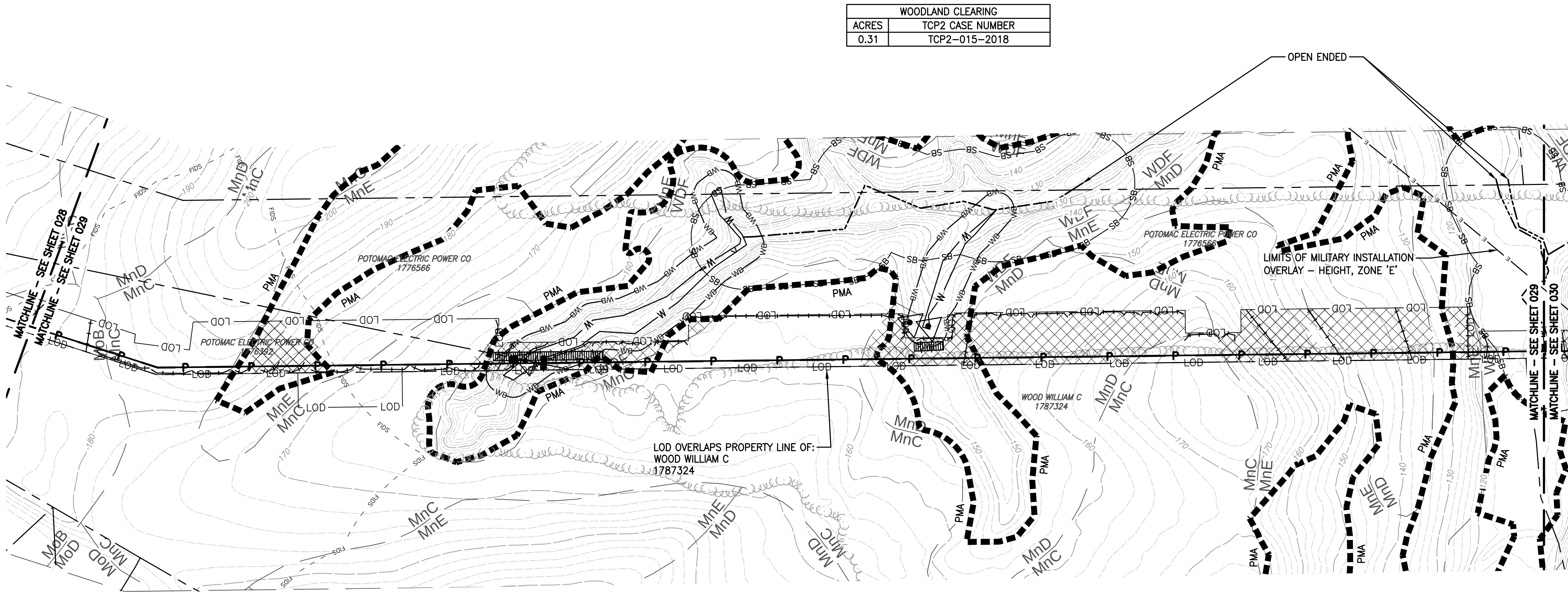
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

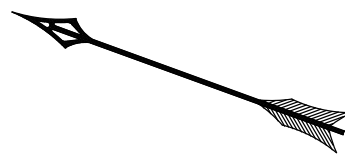
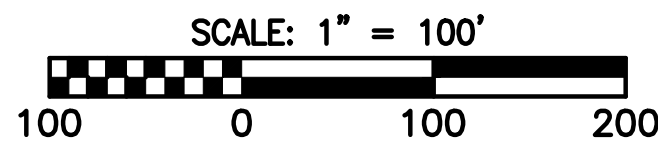
Signed:  Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\131838-05-001-00-C-023.dwg DRAWING: TCP-2\131838-05-001-00-C-023.dwg PLOT FILE: 131838-05-001-00-C-023.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC	APPROVED BY: STRAING		REVISION RECORD	
DWG TYPE: N/A		SCALE: AS SHOWN		DATE: 06/21/2019		
SHEET NO.: 28 OF 39		REVISION 1		DESCRIPTION: UPDATE MITIGATION TABLE		
GAI FILE NUMBER: C131838-05-001-00-C-023		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 028		



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.31	TCP2-015-2018

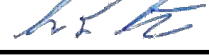


- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	T. BURKE	10/22/2019	N/A	changes to plan
02				
03				
04				
05				

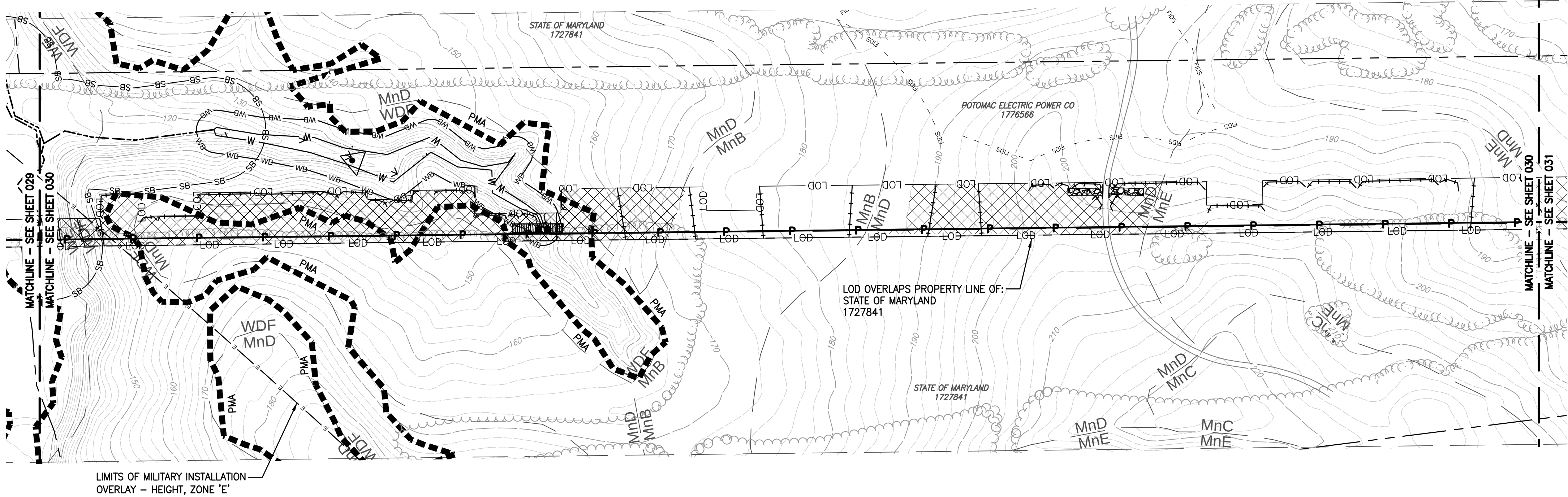
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

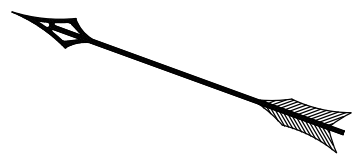
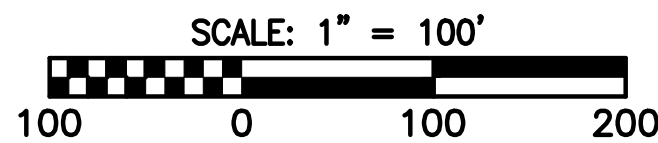
Signed:  Date: 06-21-2019

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE		CLIENT		PROJECT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		1 6/21/2019 DOYLEMP WHEATTC STRAING APV: CHK: DWN: DATE: NO.:	
ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120		GAI CONSULTANTS		GAI FILE NUMBER: C131838-05-001-00-C-023		ALT./CLIENT DRAWING NUMBER:	
GAI CAD FILE PATH: Z:\Energy\2013\C131838-05-001-00-C-003.dwg		GAI DRAWING NUMBER: 029		SHEET NO.: 29 OF 39		REVISION 1	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC		APPROVED BY: STRAING		DWG TYPE: N/A	
SCALE: AS SHOWN		ISSUE DATE: 06/21/2019		This drawing was produced with computer aided drafting technology and is supported by electronic drawing files. Do not revise this drawing via manual drafting methods.		PLOT FILE: 029.dwg	



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.35	TCP2-015-2018



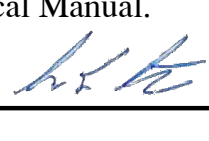
- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE "E"
 - FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)



Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

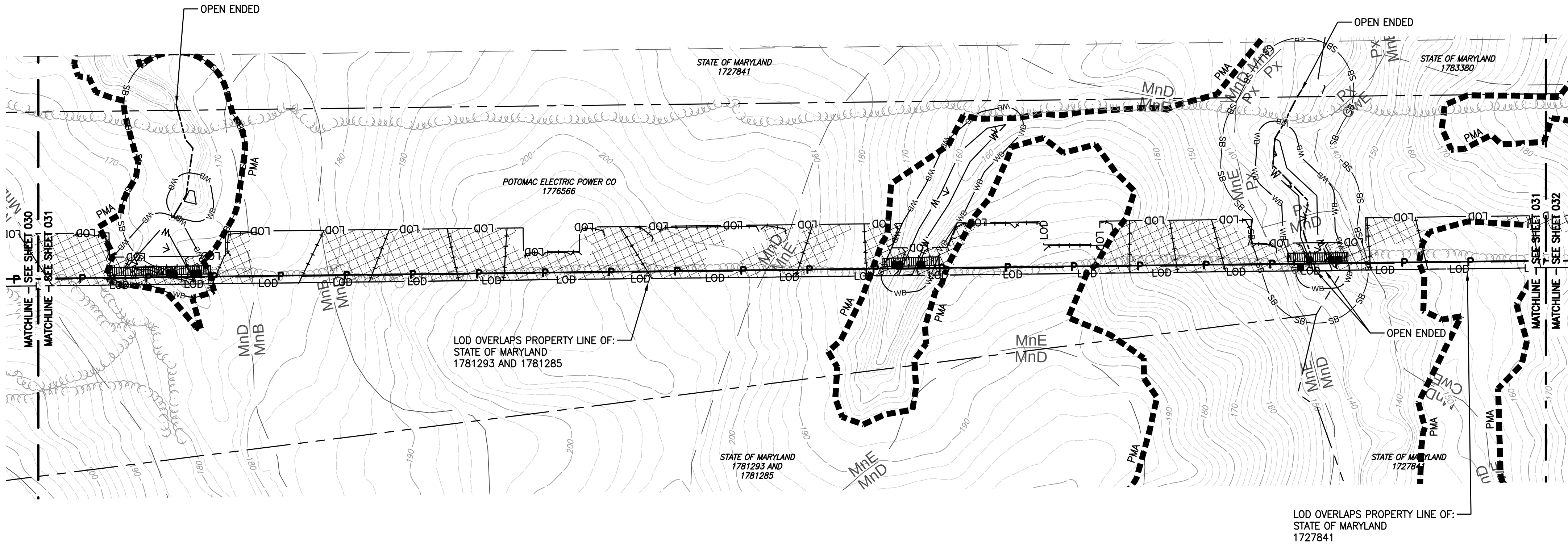
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

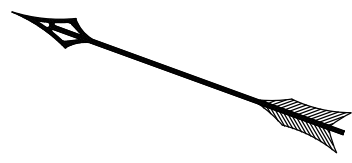
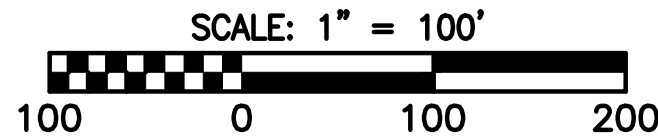
Signed:  Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE		CLIENT		PROJECT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		1 6/21/2019 DOYLEMP WHEATTC STRAING APV: CHK: DWN: DATE: NO.:	
ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120		GAI FILE NUMBER:		GAI DRAWING NUMBER:		1	
GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-023.dwg		C131838-05-001-00-C-023		030			
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC		APPROVED BY: STRAING			
DWG TYPE: N/A		SCALE: AS SHOWN		ISSUE DATE: 06/21/2019			
SHEET NO.: 30		OF 39					
ALT./CLIENT DRAWING NUMBER:							
GAI FILE NUMBER:							
C131838-05-001-00-C-023							
ALT./CLIENT DRAWING NUMBER:							
GAI DRAWING NUMBER:							
030							



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.52	TCP2-015-2018

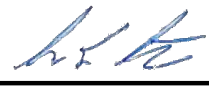


- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
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 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
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 - PMA PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - SB SB SB STREAM BUFFERS
 - DELINEATED WETLANDS
 - WB WB WB DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - OPEN ENDED
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FIDS FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - RTE SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - FP 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - TPF PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	T. BURKE	10/22/2019	N/A	changes to plan
02				
03				
04				
05				

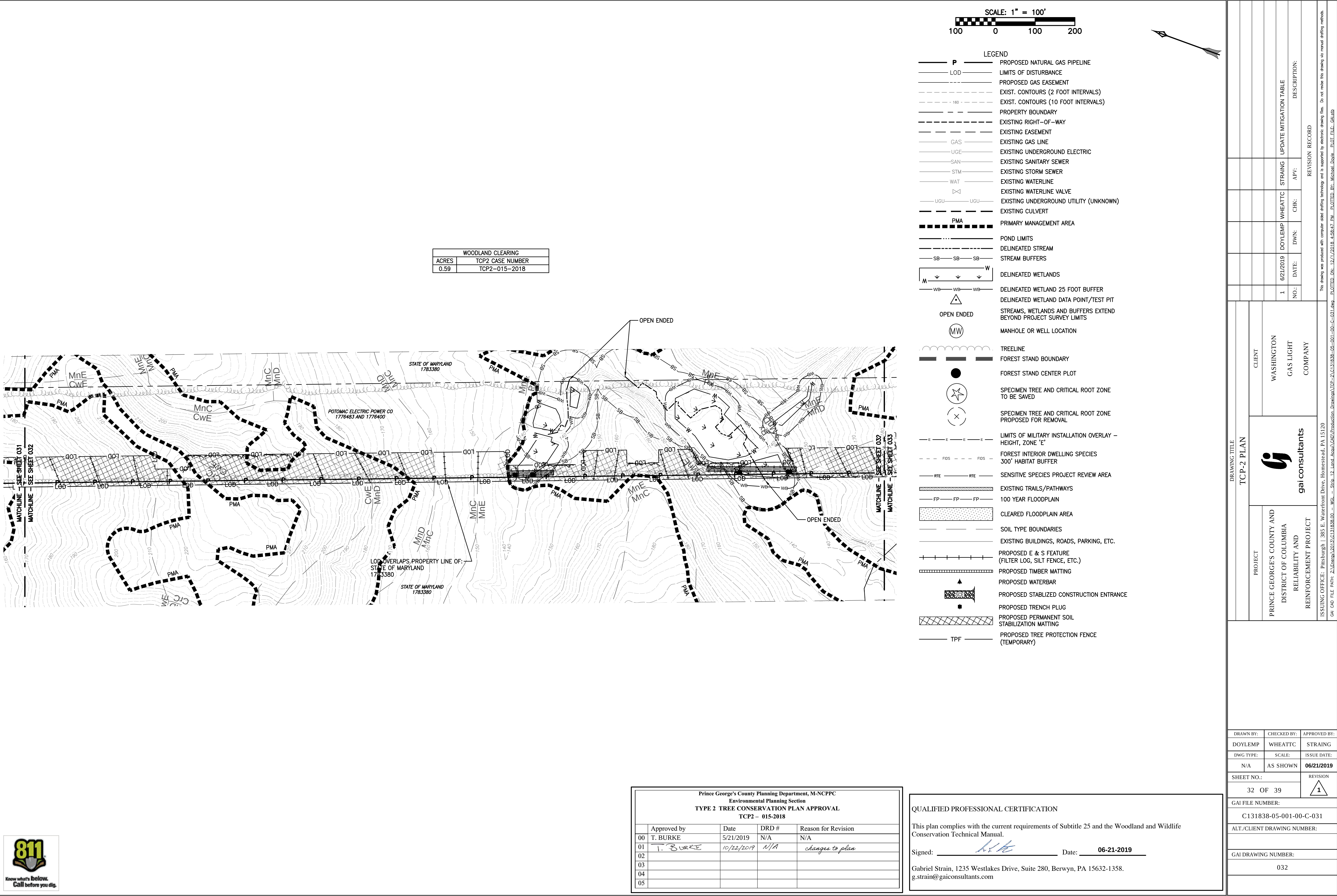
QUALIFIED PROFESSIONAL CERTIFICATION

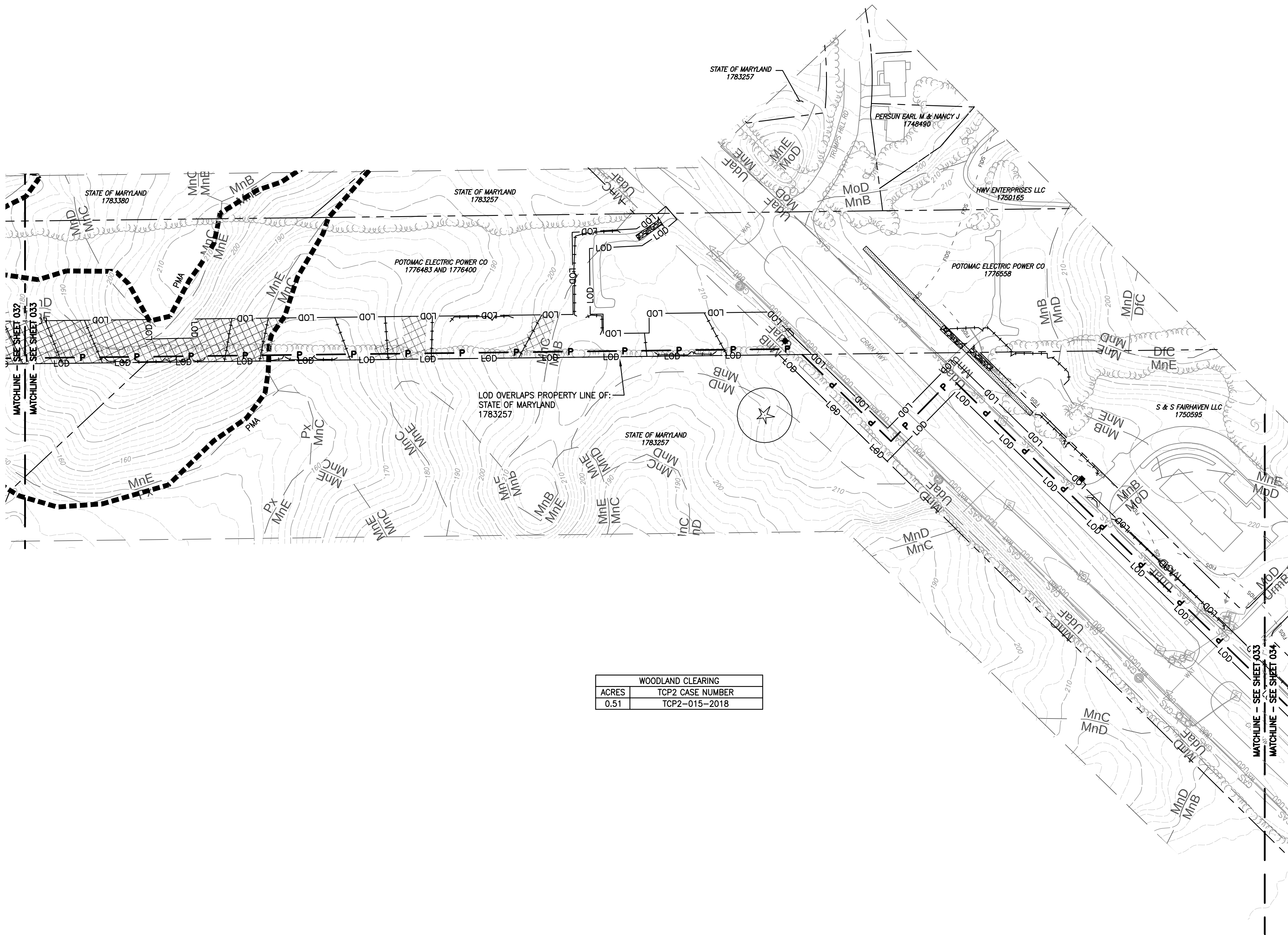
This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: 06-21-2019

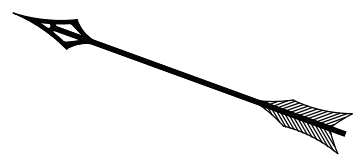
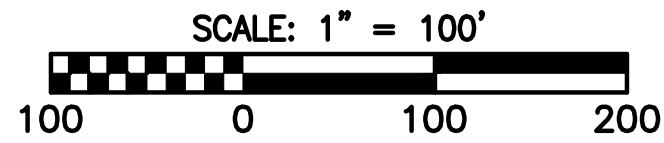
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

										DRAWING TITLE										TCP-2 PLAN																			
										PROJECT										CLIENT																			
										PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT										WASHINGTON GAS LIGHT COMPANY																			
																																							
										ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120																													
										DOYLEMP										WHEATTC										STRAING									
										DWG TYPE: N/A										SCALE: AS SHOWN										ISSUE DATE: 06/21/2019									
										SHEET NO.: 31 OF 39										REVISION																			
										GAI FILE NUMBER:																													
										C131838-05-001-00-C-031																													
										ALT./CLIENT DRAWING NUMBER:																													
										GAI DRAWING NUMBER:																													
										031																													





WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.51	TCP2-015-2018



- LEGEND**
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
 - DELINEATED WETLANDS
 - DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FIDS FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - RTE SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

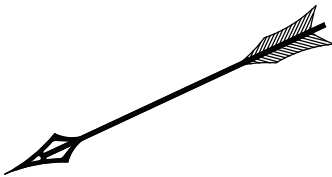
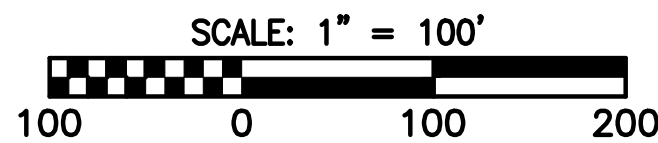
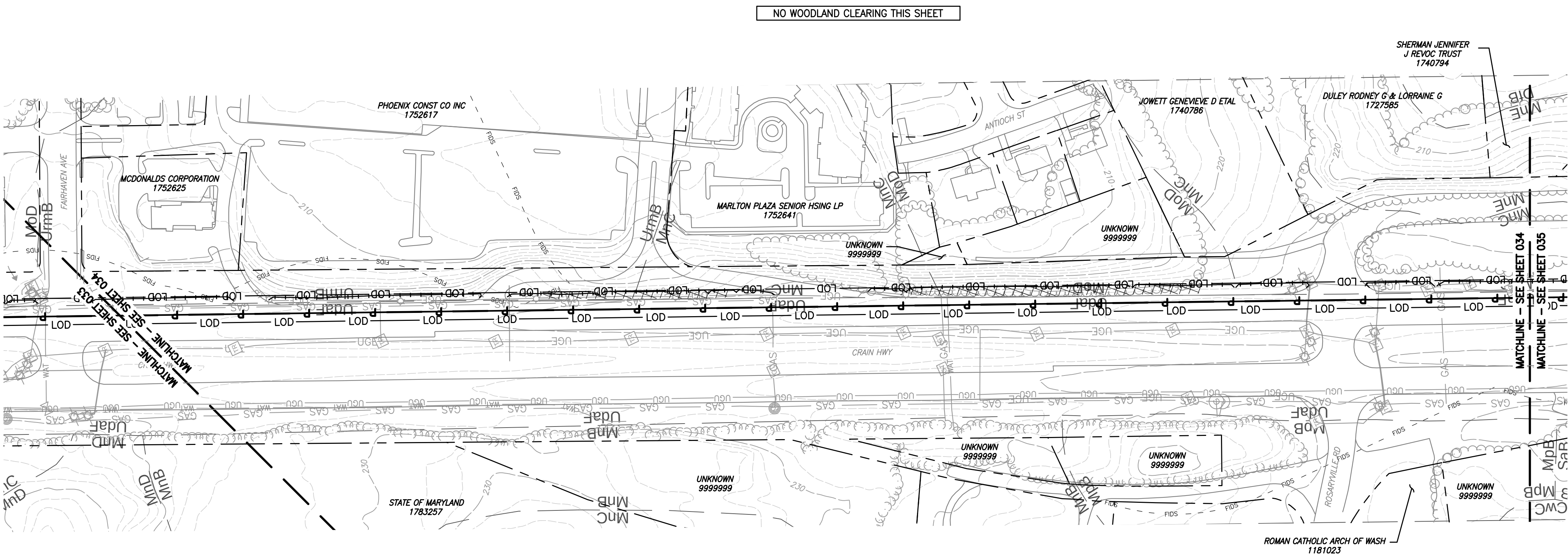
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: [Signature] Date: 06-21-2019

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\C131838-05-001-C-031.dwg - WBL - Ship 12 Lead Aquan\GAI\Production - Downing\TCP-2\C131838-05-001-C-031.dwg - PLOTTED ON: 1/14/2019 10:09:10 AM - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC	APPROVED BY: STRAING	This drawing was produced with computer aided drafting technology and is supported by electronic drawing files. Do not reuse this drawing for manual drafting methods.		
DWG TYPE: N/A		SCALE: AS SHOWN	ISSUE DATE: 06/21/2019			
SHEET NO.: 33 OF 39		REVISION 1				
GAI FILE NUMBER: C131838-05-001-00-C-031		ALT./CLIENT DRAWING NUMBER:				
GAI DRAWING NUMBER: 033						



- LEGEND
- P** PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - 160
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA** PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - SB SB SB STREAM BUFFERS
 - DELINEATED WETLANDS
 - WB WB WB DELINEATED WETLAND 25 FOOT BUFFER
 - DELINEATED WETLAND DATA POINT/TEST PIT
 - OPEN ENDED
 - MW MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - E E E E LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FIDS FIDS FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - RTE RTE SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - FP FP FP 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - TPF PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPDC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	<i>T. BURKE</i>	10/22/2019	N/A	<i>changes to plan</i>
02				
03				
04				
05				

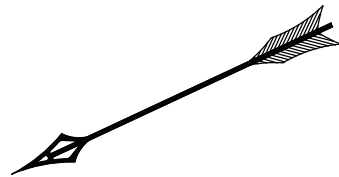
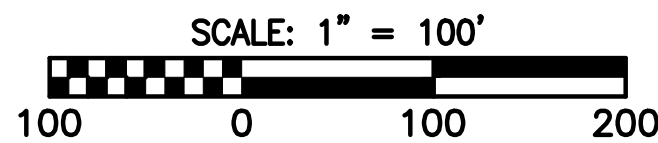
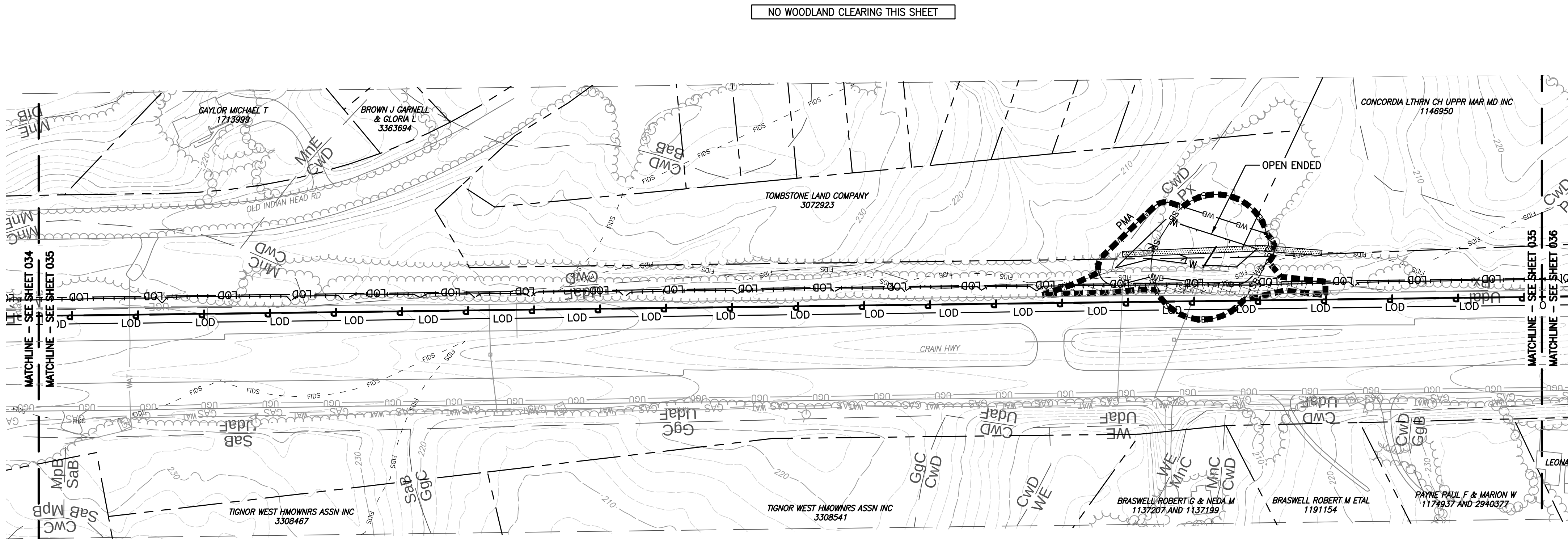
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: *[Signature]* Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY		PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GA CAD FILE PATH: Z:\Energy\2013\131838-05-001-00-C-031.dwg - WBL - Strip 12 Land Acqui\CAD\Production Drawings\TCP-2\131838-05-001-00-C-031.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: 034.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC		APPROVED BY: STRAING		REVISION RECORD	
DWG TYPE: N/A		SCALE: AS SHOWN		ISSUE DATE: 06/21/2019		DESCRIPTION: UPDATE MITIGATION TABLE	
SHEET NO.: 34 OF 39		DATE: 6/21/2019		NO.: 1		APV: STRAING	
GAI FILE NUMBER: C131838-05-001-00-C-031		DWN: DWN		CHK: CHK		REVISION RECORD	
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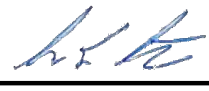


- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - W EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - SB SB SB STREAM BUFFERS
 - M W M DELINEATED WETLANDS
 - WB WB WB DELINEATED WETLAND 25 FOOT BUFFER
 - DELINATED WETLAND DATA POINT/TEST PIT
 - OPEN ENDED
 - MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
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 - EXISTING TRAILS/PATHWAYS
 - 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	T. BURKE	10/22/2019	N/A	changes to plan
02				
03				
04				
05				

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: 06-21-2019

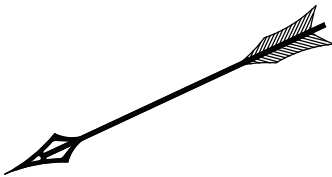
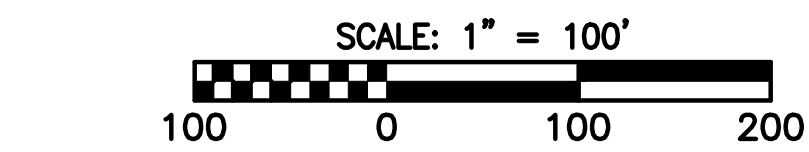
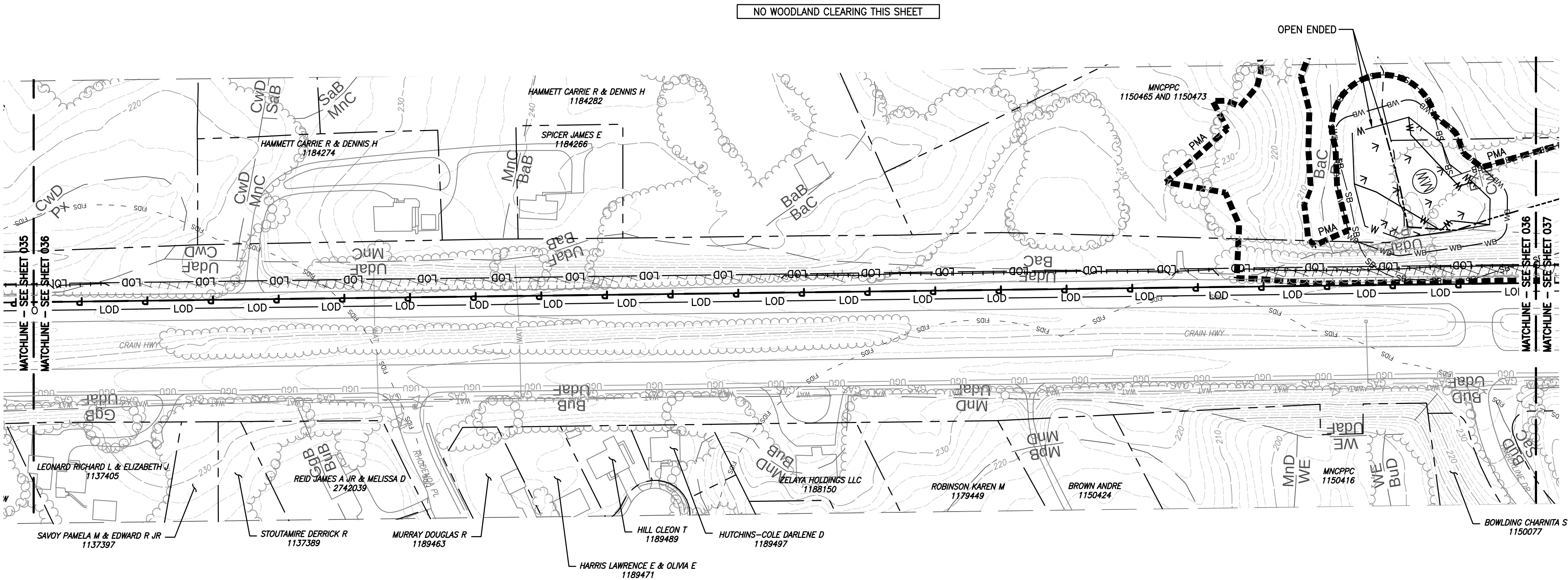
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE		CLIENT		PROJECT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		NO.:	DATE:
						1	6/21/2019
						DOYLEMP	WHEATTC
						STRAING	APV:
						CHK:	DESCRIPTION:

DRAWING TITLE		CLIENT		PROJECT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		NO.:	DATE:
						1	6/21/2019
						DOYLEMP	WHEATTC
						STRAING	APV:
						CHK:	DESCRIPTION:

DRAWN BY:	CHECKED BY:	APPROVED BY:
DOYLEMP	WHEATTC	STRAING
DWG TYPE:	SCALE:	ISSUE DATE:
N/A	AS SHOWN	06/21/2019
SHEET NO.:		REVISION
35 OF 39		1
GAI FILE NUMBER:		
C131838-05-001-00-C-031		
ALT./CLIENT DRAWING NUMBER:		
GAI DRAWING NUMBER:		
035		

This drawing was produced with computer aided drafting technology and is approved by electronic drawing files. Do not make this drawing to manual drafting methods.
GAI CAD FILE PATH: Z:\Energy\2013\131838-05-001-00-C-031.dwg - PLOTTED: 06/21/2019 5:00:03 PM - PLOT FILE: 031.dwg



- LEGEND
- P** PROPOSED NATURAL GAS PIPELINE
 - LOD** LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
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 - WAT EXISTING WATERLINE
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 - PMA** PRIMARY MANAGEMENT AREA
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 - OPEN ENDED STREAMS, WETLANDS AND BUFFERS EXTEND BEYOND PROJECT SURVEY LIMITS
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Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
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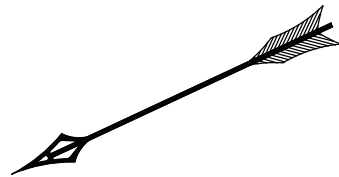
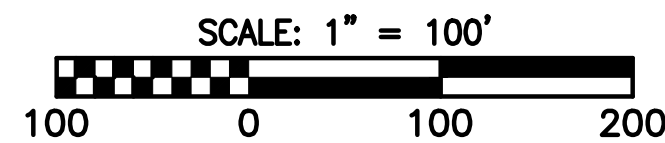
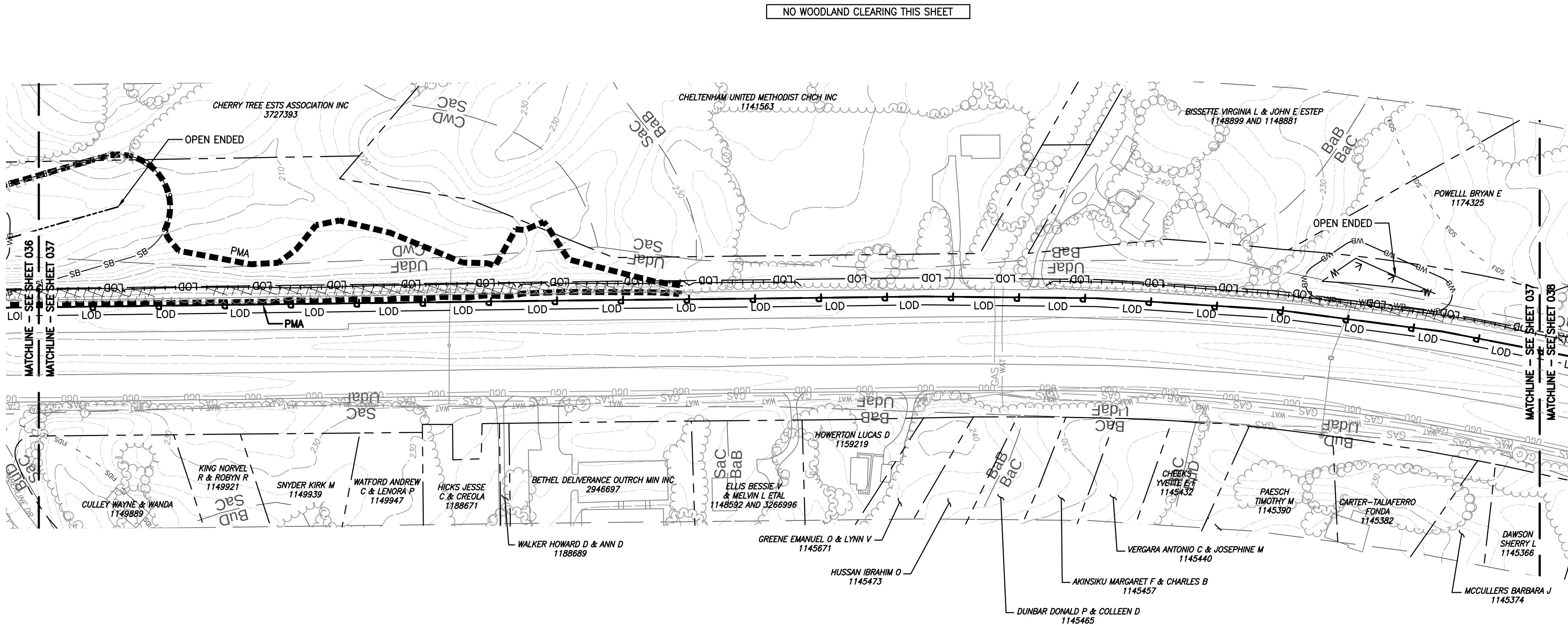
QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: G. Strain Date: **06-21-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\131838-05-001-00-C-031.dwg - WBL - Strip 12 Land Acqui\2013\20131838-05-001-00-C-031.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC	APPROVED BY: STRAING		This drawing was produced with computer aided drafting technology and is supported by electronic drawing files. Do not make this drawing via manual drafting methods.	
DWG TYPE: N/A		SCALE: AS SHOWN	ISSUE DATE: 06/21/2019		PLOTTED BY: Michael Doyle - PLOT FILE: 031.dwg	
SHEET NO.: 36 OF 39		REVISION 1		REVISION RECORD		
GAI FILE NUMBER: C131838-05-001-00-C-031		ALT./CLIENT DRAWING NUMBER:				
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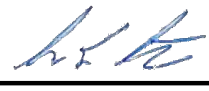


- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - 160
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
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 - WAT EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
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 - DELINEATED STREAM
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 - DELINEATED WETLANDS
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Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
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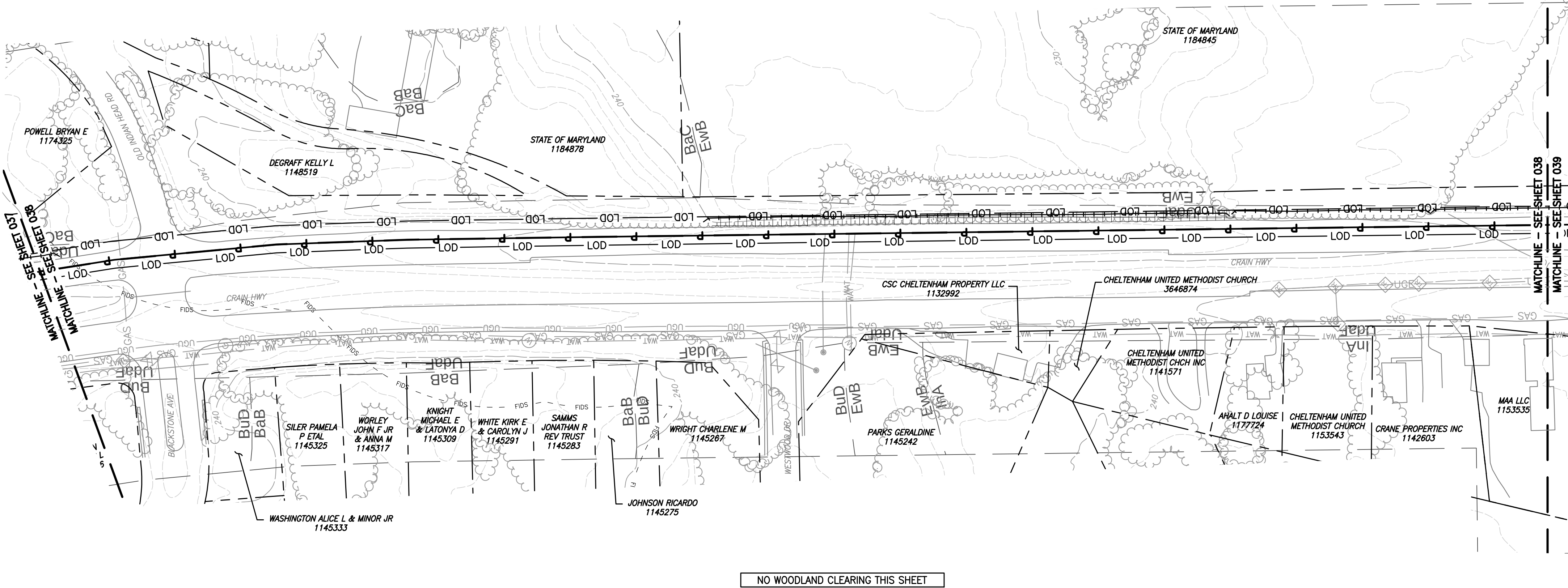
QUALIFIED PROFESSIONAL CERTIFICATION

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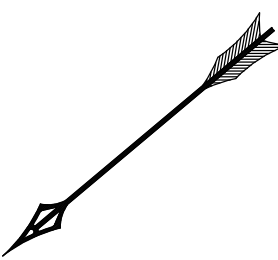
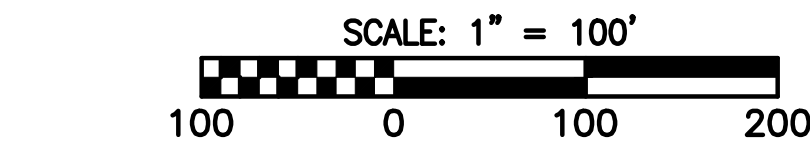
Signed:  Date: 06-21-2019

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\131818-05-001-00-C-031.dwg - WBL - Strip 12 Land Acqui\2013\Production Drawings\TCP-2\131818-05-001-00-C-031.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: 04.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC	APPROVED BY: STRAING		REVISION RECORD	
DWG TYPE: N/A		SCALE: AS SHOWN		DATE: 06/21/2019		
SHEET NO.: 37 OF 39		NO.: 1		DATE: 06/21/2019		
GAI FILE NUMBER: C131838-05-001-00-C-031		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 037		



NO WOODLAND CLEARING THIS SHEET

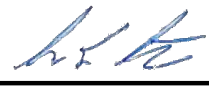


- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - UGU EXISTING WATERLINE VALVE
 - UGU EXISTING UNDERGROUND UTILITY (UNKNOWN)
 - EXISTING CULVERT
 - PMA PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - SB SB SB STREAM BUFFERS
 - DELINEATED WETLANDS
 - WB WB WB DELINEATED WETLAND 25 FOOT BUFFER
 - DELINATED WETLAND DATA POINT/TEST PIT
 - OPEN ENDED
 - MW MANHOLE OR WELL LOCATION
 - TREELINE
 - FOREST STAND BOUNDARY
 - FOREST STAND CENTER PLOT
 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
 - LIMITS OF MILITARY INSTALLATION OVERLAY - HEIGHT, ZONE 'E'
 - FIDS FOREST INTERIOR DWELLING SPECIES 300' HABITAT BUFFER
 - RTE SENSITIVE SPECIES PROJECT REVIEW AREA
 - EXISTING TRAILS/PATHWAYS
 - FP 100 YEAR FLOODPLAIN
 - CLEARED FLOODPLAIN AREA
 - SOIL TYPE BOUNDARIES
 - EXISTING BUILDINGS, ROADS, PARKING, ETC.
 - PROPOSED E & S FEATURE (FILTER LOG, SILT FENCE, ETC.)
 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
 - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED TRENCH PLUG
 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - TPF PROPOSED TREE PROTECTION FENCE (TEMPORARY)

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01 T. BURKE	10/22/2019	N/A	changes to plan	
02				
03				
04				
05				

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: 06-21-2019

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

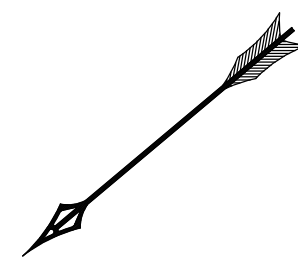
DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY		PROJECT PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\13181838-05-001-00-C-031.dwg - WBL - Strip 12 Land Acqui\2013\13181838-05-001-00-C-031.dwg	
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DWG TYPE: N/A		SCALE: AS SHOWN		ISSUE DATE: 06/21/2019		REVISION 1	
SHEET NO.: 38 OF 39		GAI FILE NUMBER: C131838-05-001-00-C-031		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 038	

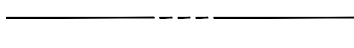
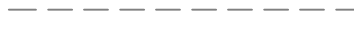
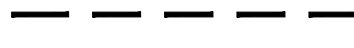
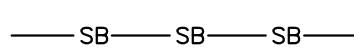
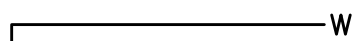
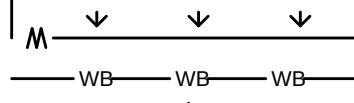
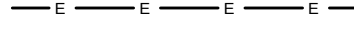
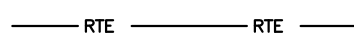
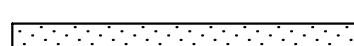
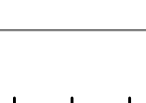
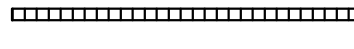
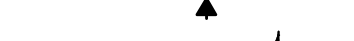


Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 – 015-2018				
	Approved by	Date	DRD #	Reason for Revision
00	T. BURKE	5/21/2019	N/A	N/A
01	<i>T. BURKE</i>	<i>10/22/2019</i>	<i>N/A</i>	<i>changes to plan</i>
02				
03				
04				
05				

SCALE: 1" = 100'

100 0 100 200



	PROPOSED NATURAL GAS PIPELINE
	LIMITS OF DISTURBANCE
	PROPOSED GAS EASEMENT
	EXIST. CONTOURS (2 FOOT INTERVALS)
	EXIST. CONTOURS (10 FOOT INTERVALS)
	PROPERTY BOUNDARY
	EXISTING RIGHT-OF-WAY
	EXISTING EASEMENT
	EXISTING GAS LINE
	EXISTING UNDERGROUND ELECTRIC
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING WATERLINE
	EXISTING WATERLINE VALVE
	EXISTING UNDERGROUND UTILITY (UNKNOWN)
	EXISTING CULVERT
	PRIMARY MANAGEMENT AREA
	POND LIMITS
	DELINEATED STREAM
	STREAM BUFFERS
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	SENSITIVE SPECIES PROJECT REVIEW AREA
	EXISTING TRAILS/PATHWAYS
	100 YEAR FLOODPLAIN
	CLEARED FLOODPLAIN AREA
	SOIL TYPE BOUNDARIES
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	PROPOSED TRENCH PLUG
	PROPOSED PERMANENT SOIL STABILIZATION MATTING
	PROPOSED TREE PROTECTION FENCE (TEMPORARY)

[illegible]

DRAWING TITLE	
TCP-2. PLAN	
PROJECT	 gai consultants
PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA	
RELIABILITY AND REINFORCEMENT PROJECT	
CLIENT	
WASHINGTON	
GAS LIGHT	
COMPANY	
ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120	

DRAWN BY:	CHECKED BY:	APPROVED BY:
DOYLEMP	WHEATTIC	STRAING
DWG TYPE:	SCALE:	ISSUE DATE:
N/A	AS SHOWN	06/21/2019
SHEET NO.: 39 OF 39		REVISION 
GAI FILE NUMBER: C131838-05-001-00-C-031		
ALT./CLIENT DRAWING NUMBER:		
GAI DRAWING NUMBER:		
039		