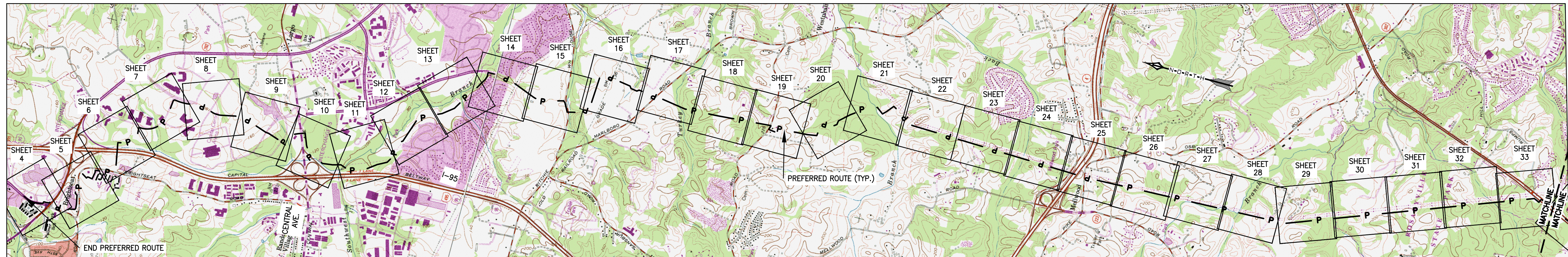


NOT TO SCALE

TYPE 2 TREE CONSERVATION PLAN

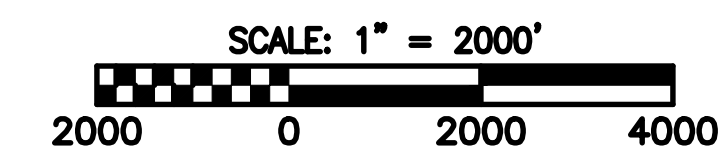
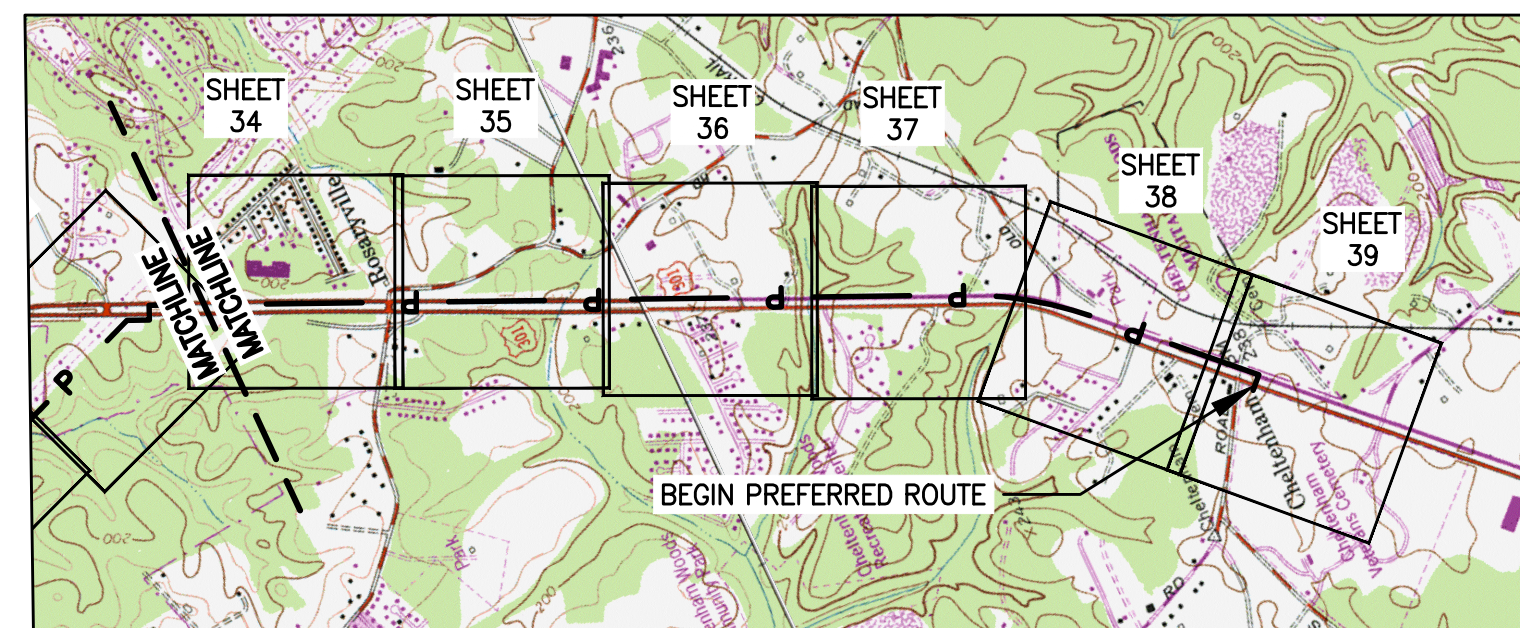
JANUARY 24, 2019

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




SHEET INDEX LOCATION MAP


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	3.80	0.25:1	0.95
Existing TCP-2 Totals:		11.11		7.75
WGL PGDCRRP TCP-2	TCPII-015-2018	16.13	1:1	16.13
Project Totals:		27.24		23.88



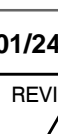
811
Know what's below.
Call before you dig.

I/ We <u>Washington Gas Light Company</u> 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.	
	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

	Approved by	Date	DRD #	Reason for Revision
00	<i>T. Burke</i>	5/21/2019	N/A	N/A
01				
02				
03				
04				
05				

Signed:  Date: 01-24-2019

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

DRAWING TITLE			TCP-2 COVER SHEET AND VICINITY MAP		
PROJECT		CLIENT			
PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA		WASHINGTON GAS LIGHT COMPANY			
REINFORCEMENT PROJECT		gai consultants			
ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120					
GAI CAD FILE PATH: Z:\Energy\X31\G131838-00 - WGL - Strip 12 Land Acqui\GAD\Production_Drawinga\TCP-2\G131838-00-C-001.dwg					
GAI CAD FILE PATH: Z:\Energy\X31\G131838-00 - WGL - Strip 12 Land Acqui\GAD\Production_Drawinga\TCP-2\G131838-00-C-001.dwg					
DRAWN BY:		CHECKED BY:		APPROVED BY:	
DOYLEMP		WHEATON		STRAING	
DWG TYPE:		SCALE:		ISSUE DATE:	
N/A		AS SHOWN		01/24/2019	
SHEET NO.:				REVISION	
1 OF 39					
GAI FILE NUMBER:					
C131838-05-001-00-C-001					
ALT./CLIENT DRAWING NUMBER:					
GAI DRAWING NUMBER:					
001					

1. 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 WESTPALHA ROAD (HISTORIC).
7. THE PROJECT IS LINEAR AND CROSSES BRIGHTSEAT ROAD (ARTERIAL), I-495 (FREEWAY), LOTTSFORD ROAD (ARTERIAL), ARENA DRIVE (ARTERIAL), LARRIS TRAIL (ARTERIAL), 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 COVERED BY THE PROPOSED PROJECT WERE OBTAINED FROM 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 850033, 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-TU-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.

- | | | | |
|-----|--|-----|--|
| | WATER 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. | | AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. THEN THE CERTIFICATION IS NOT VALID. THE PERMITTEE SHALL TAKE CORRECTIVE ACTION IMMEDIATELY. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE. |
| 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. | 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. |
| 14. | THE PROJECT CROSSES AND IS ADJACENT TO FOREST INTERIOR DWELLING SPECIES HABITAT, ACCORDING TO THE MARYLAND DEPARTMENT OF NATURAL RESOURCES (DNR) FIDS DATA DOWNLOADED FROM PRINCE GEORGE'S COUNTY GIS DATA CATALOG ON JANUARY 5, 2018. | 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. |
| 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 LOD. THESE TREES ARE REFERENCED FROM THE FOREST STAND DELINEATION REPORT COMPLETED BY GAI IN JUNE 2016, AS WELL AS THE APPROVED NRI (NRI-161-2016). NO CHAMPION OR HISTORIC TREES WERE IDENTIFIED WITH THE PROJECT AREA. | 25. | 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. |
| 16. | THERE ARE 12 SPECIMEN TREES THAT ARE LOCATED OUTSIDE OF THE LOD AND REQUIRE TREE PROTECTION FENCING (TPF). THE LOCATION OF ALL TEMPORARY TPF SHOWN ON THIS PLAN SHALL BE FLAGGED OR STAKED IN THE FIELD PRIOR TO THE PRE-CONSTRUCTION MEETING. UPON APPROVAL OF THE LOCATIONS BY THE COUNTY INSPECTOR, INSTALLATION OF THE TPF MAY BEGIN. | 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. |
| 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 TCP2. | 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. |
| 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 CHANGE 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. | 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. |
| 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. | 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. |
| 20. | A TREE IS CONSIDERED HAZARDOUS IF A CONDITION IS PRESENT WHICH LEADS A 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. | 30. | THE PROJECT IS NOT ASSOCIATED WITH ANY PREVIOUSLY DEDICATED LAND. |
| 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 NOTIFY SAID TREES USING A CHAIN SAW. 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 | | |

GENERAL NOTES

N.T.S.

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Map symbol	Map unit name	Drainage Class	K-Factor	Hydrologic Soil Group	Hydric Rating
AdA	Adelphia-Holmdel complex, 0 to 2 percent slopes	Moderately well drained	0.37	C	Nonhydric
AdB	Adelphia-Holmdel complex, 2 to 5 percent slopes	Moderately well drained	0.37	C	Nonhydric
AdC	Adelphia-Holmdel complex, 5 to 10 percent slopes	Moderately well drained	0.37	C	Nonhydric
AeB	Adelphia-Holmdel-Urban land complex, 0 to 5 percent slopes	None	N/A	D	Nonhydric
AnB	Annapolis-Urban land complex, 0 to 5 percent slopes	Well drained	0.24	C	Nonhydric
BaC	Bethsville silt loam, 5 to 10 percent slopes	Moderately well drained	0.43	C	Nonhydric
CcC	Christiana-Downer complex, 5 to 10 percent slopes	Moderately well drained	0.49	D	Nonhydric
CnA	Collington-Wist complex, 0 to 2 percent slopes	Well drained	0.17	B	Nonhydric
CnB	Collington-Wist complex, 2 to 5 percent slopes	Well drained	0.17	B	Nonhydric
CnC	Collington-Wist complex, 5 to 10 percent slopes	Well drained	0.17	B	Nonhydric
CnD	Collington-Wist complex, 10 to 15 percent slopes	Well drained	0.17	B	Nonhydric
CnE	Collington-Wist complex, 15 to 25 percent slopes	Well drained	0.17	B	Nonhydric
CnF	Collington-Wist complex, 25 to 40 percent slopes	Well drained	0.17	B	Nonhydric
CoB	Collington-Urban land complex, 0 to 5 percent slopes	Well drained	0.2	A	Nonhydric
CoD	Collington-Urban land complex, 5 to 15 percent slopes	Well drained	0.2	A	Nonhydric
CrC	Croom gravely sandy loam, 5 to 10 percent slopes	Well drained	0.17	C	Nonhydric
CwA	Croom-Marr complex, 10 to 15 percent slopes	Well drained	0.15	C	Nonhydric
CwE	Croom-Marr complex, 15 to 25 percent slopes	Well drained	0.15	C	Nonhydric
CzD	Croom-Urban land complex, 5 to 15 percent slopes	Well drained	0.32	C	Nonhydric
DfB	Dodon fine sandy loam, 2 to 5 percent slopes	Moderately well drained	0.24	C	Nonhydric
DfC	Dodon fine sandy loam, 5 to 10 percent slopes	Moderately well drained	0.24	C	Nonhydric
InA	Ingleside sandy loam, 0 to 2 percent slopes	Well drained	0.05	A	Nonhydric
Iu	Issue-Urban land complex, occasionally flooded	Somewhat poorly drained	0.37	B/D	Nonhydric
MnB	Marr-Dodon complex, 2 to 5 percent slopes	Well drained	0.2	B	Nonhydric
MnC	Marr-Dodon complex, 5 to 10 percent slopes	Well drained	0.2	C	Nonhydric
MnD	Marr-Dodon complex, 10 to 15 percent slopes	Well drained	0.2	C	Nonhydric
MnE	Marr-Dodon complex, 15 to 25 percent slopes	Well drained	0.2	B	Nonhydric
MoA	Marr-Dodon-Urban land complex, 0 to 5 percent slopes	Well drained	0.2	B	Nonhydric
MoD	Marr-Dodon-Urban land complex, 5 to 15 percent slopes	Well drained	0.2	B	Nonhydric
Px	Protobac-Issue complex, frequently flooded	Poorly drained	0.28	B/D	Hydric
RuB	Russett-Christiana-Urban land complex, 0 to 5 percent slopes	Moderately well drained	N/A	D	Nonhydric
UdaF	Udorthens, highway, 0 to 65 percent slopes	Well drained	N/A	D	Nonhydric
UdaB	Urban land-Collington-Wist complex, 0 to 5 percent slopes	N/A	N/A	D	Nonhydric
UrbB	Urban land-Marr-Dodon complex, 0 to 5 percent slopes	N/A	N/A	D	Nonhydric
WdF	Westphalia and Dodon soils, 25 to 40 percent slopes	Well drained	0.17	C	Nonhydric
WE	Widewater and Issue soils, frequently flooded	Poorly drained	0.37	C/D	Hydric

SOILS LEGEND

N.T.S.

3
2

NOTE: A VARIANCE APPLICATION TO SECTION 25-222-(b)(1)(G) WAS APPROVED BY THE PLANNING DIRECTOR TO ALLOW THE REMOVAL OF THE FOLLOWING SPECIMEN TREES ON MAY 8, 2019.

ID # ¹	Common Name	Botanical Name	DBH (inch)	Critical Root Zone Radius (feet)	Critical Root Zone (square feet)	Conditions/Remarks	Decimal Degree		Loss (Y/N)
							Latitude ²	Longitude ²	
71	green ash	<i>Fraxinus pennsylvanica</i>	31	47	6,793	Good	38.89009	-76.8447	Y
79	tulip poplar	<i>Liriodendron tulipifera</i>	32	48	7,238	Good	38.88691	-76.84452	Y ^{3,4}
90	American sycamore	<i>Platanus occidentalis</i>	31	47	6,793	Good	38.88539	-76.8432	Y ⁴
106	tulip poplar	<i>Liriodendron tulipifera</i>	30	45	6,362	Good	38.883533	-76.841041	Y
107	tulip poplar	<i>Liriodendron tulipifera</i>	34	51	8,171	Good	38.883539	-76.841017	Y
159	tulip poplar	<i>Liriodendron tulipifera</i>	63	95	28,055	Trunk Rot Observed	38.85578	-76.8244	Y
160	American sycamore	<i>Platanus occidentalis</i>	36	54	9,852	Good	38.855694	-76.82451	Y
161	sweet gum	<i>Liquidambar styraciflua</i>	32	48	7,238	Vines Observed	38.85557	-76.8243	Y ³
162	tulip poplar	<i>Liriodendron tulipifera</i>	42	63	12,469	Vines Observed	38.85549	-76.8244	Y ³
163	sweet gum	<i>Liquidambar styraciflua</i>	32	48	7,238	Vines Observed	38.855355	-76.82455	Y
166	tulip poplar	<i>Liriodendron tulipifera</i>	38	57	10,207	Trunk Rot Observed	38.8532	-76.824578	Y
167	white oak	<i>Quercus alba</i>	46	69	14,957	Good	38.850072	-76.824368	Y
169	white oak	<i>Quercus alba</i>	32	48	7,238	Good	38.848774	-76.824114	Y
170	white oak	<i>Quercus alba</i>	30	45	6,362	Good	38.848765	-76.824089	Y ³
171	white oak	<i>Quercus alba</i>	30	45	6,362	Good	38.848644	-76.824076	Y ³
172	white oak	<i>Quercus alba</i>	30	45	6,362	Good	38.848504	-76.824089	Y
173	white oak	<i>Quercus alba</i>	30	45	6,362	Good	38.84823	-76.824	Y
176	white oak	<i>Quercus alba</i>	38	57	10,207	Good	38.840162	-76.823199	Y ^{3,4}
177	red maple	<i>Acer rubrum</i>	40	60	11,310	Good	38.840121	-76.823444	Y
180	white oak	<i>Quercus alba</i>	32	48	7,238	Good	38.83837	-76.8211	Y ⁴
181	white oak	<i>Quercus alba</i>	35	52	8,495	Good	38.838225	-76.821055	Y ^{3,4}
187	tulip poplar	<i>Liriodendron tulipifera</i>	40	60	11,310	Good	38.831449	-76.818077	Y

Notes:

1. GAI map designation.
2. North American Datum, 1983.
3. These Specimen Trees are located outside the proposed LOD. However, greater than 35 percent of the CRZ for these trees are impacted by the LOD and may result in loss.
4. Specimen Tree is located within a TCP-2 that is exempt from current regulations under Subtitle 25, Division 2 - Woodland and Wildlife Habitat Conservation Ordinance of the Prince George's County Code. These trees can be removed without a variance and therefore are not being included as part of this variance request
5. Specimen Trees were located using sub-meter accurate Global Positioning System units during the FSD completed by GAI.

SPECIMEN TREE TABLE 4
2

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				
02				
03				
04				
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AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITEE SHALL TAKE CORRECTIVE ACTION IMMEDIATELY. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE.

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.
25. 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 RECORDED OF THE OFF-SITE CONSERVATION SHALL BE PROVIDED TO THE E-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 TP2 MUST BE REMOVED, DURING REMOVAL, NO ADDITIONAL TREE CLEARANCE OR DISTURBANCE SHALL TAKE PLACE EXCEPT BY HAND AND AS APPROVED BY THE COUNTY INSPECTOR.
30. THE PROJECT IS NOT ASSOCIATED WITH ANY PREVIOUSLY DEDICATED LAND.

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 Brightstee Road in Landover		
TCP2 Number:	TCP2-015-2018	Rev. No:	-00
NRI Number:	NRI-181-2016	Rev. No:	-02
Zone:	Varies		
Gross Tract:	97.62	acres	
Project Area/Limits:	97.62	acres	
Section 2 - Determining Requirements			
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	
Section 3 - Meeting the Requirements			
Woodland Preserved	0.00		
Afforestation/Reforestation	0.00	Bond amount:	\$ 49,005.00
Natural Regeneration	3.75		
Landscape Credit	0.00		
Speciment/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	

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

SITE STATISTICS

N.T.S.

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	


WOODLAND CLEARING SUMMARY TABLE

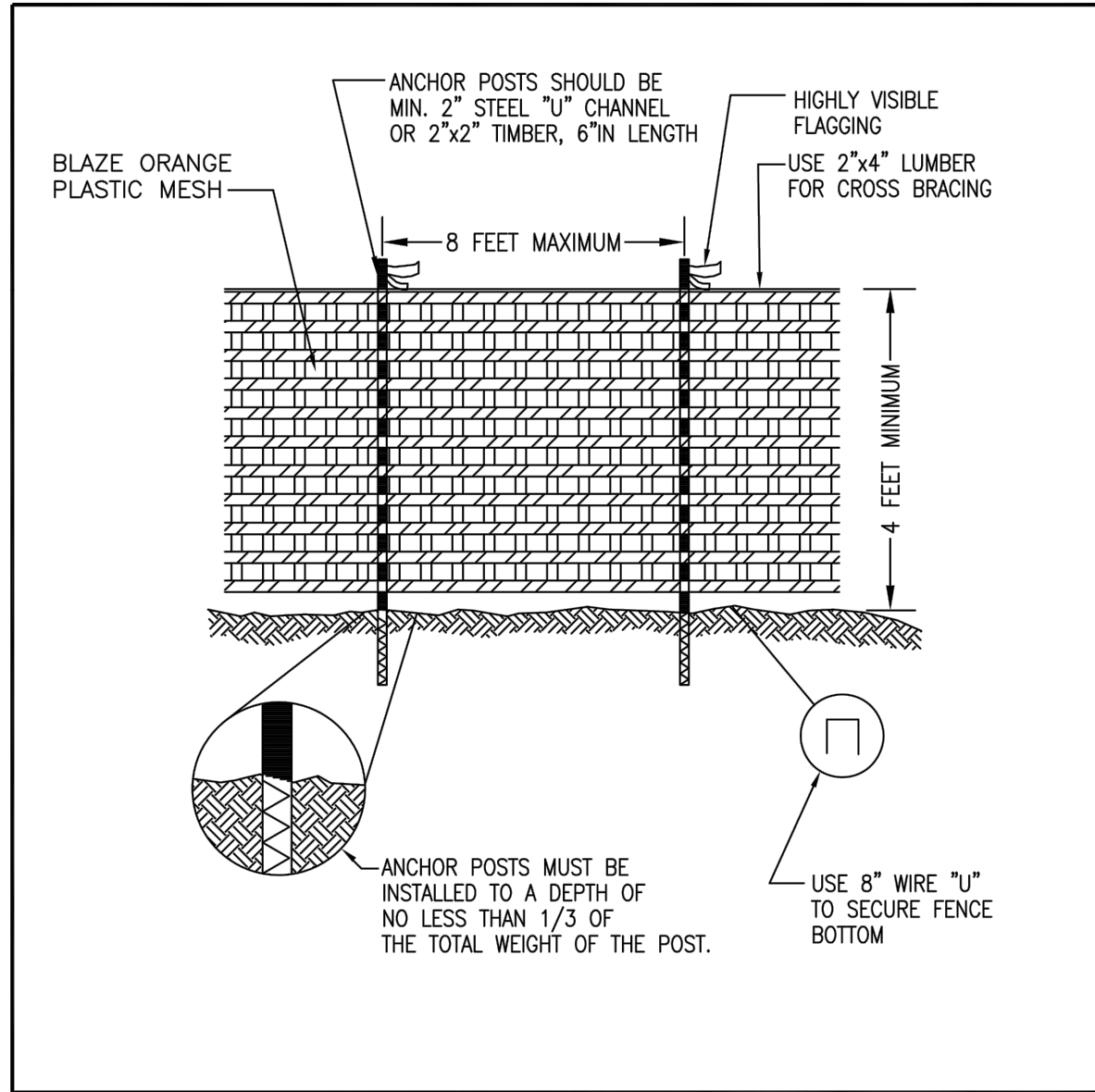
QUALIFIED PROFESSIONAL CERTIFICATION

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

Signed: Date: 01-24-2019

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

DRAWING TITLE		
TOP-2 GENERAL NOTES, TABLES, AND DETAILS		
PROJECT		CLIENT
PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		WASHINGTON GAS LIGHT COMPANY
 gai consultants		
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 revise this drawing via manual drafting methods.		
GAI CAD FILE PATH: Z:\Energy\2013\131838.00 - WGL - Ship 12 Load Area\GAI\Production Drawings\TOP-2\131838-05-001-00-C-002.dwg PLOTTED ON: 1/14/2019 10:02:55 AM PLOTTED BY: Michael Davis PLOT FILE: 06a.dwg		



NOTES: (MUST BE INCLUDED WITH DETAIL)

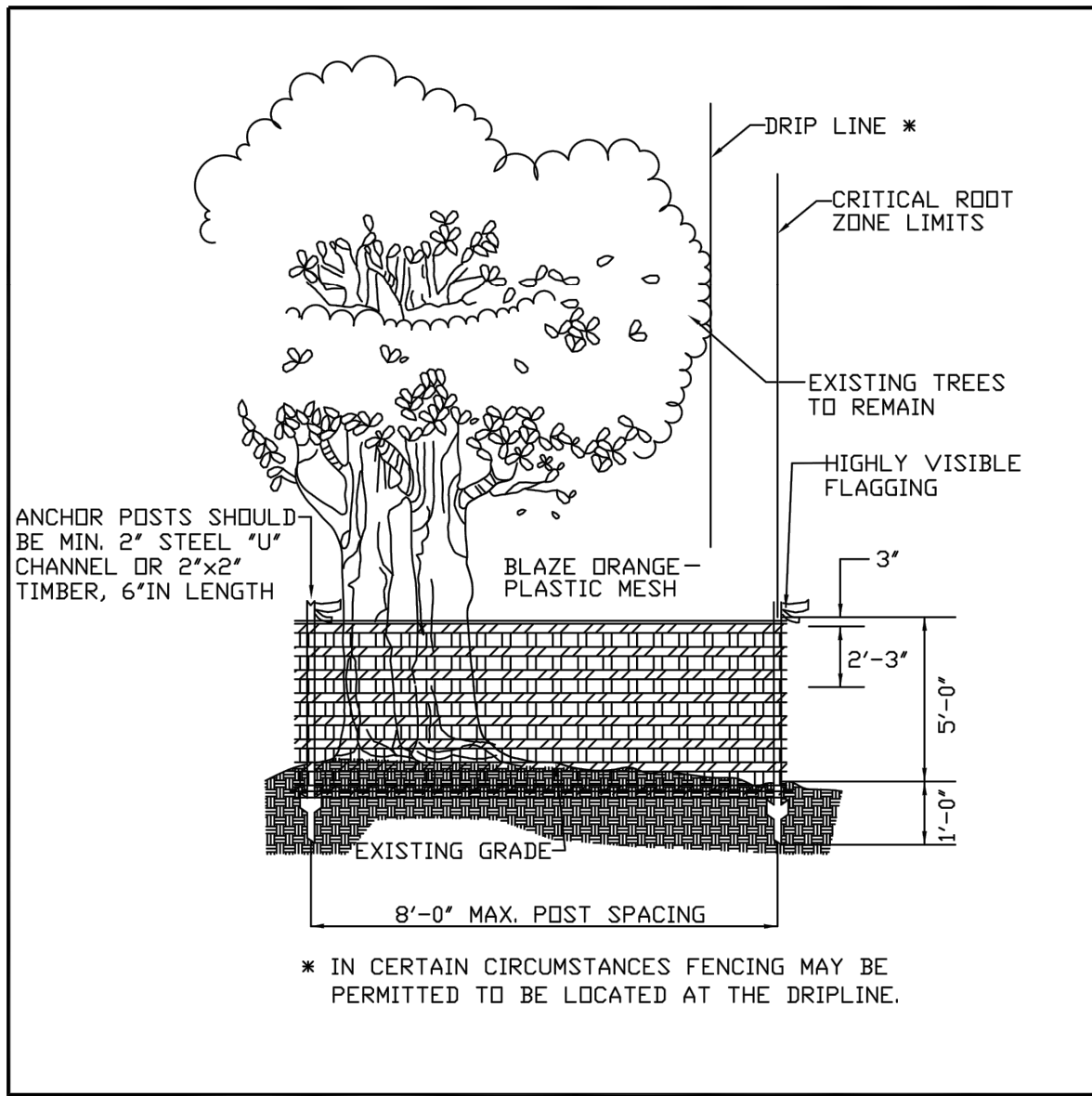
1. FOREST PROTECTION DEVICE ONLY.
2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
4. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
5. DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION
6. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

TYPE 1 (TEMPORARY) TREE PROTECTION FENCE DETAIL
FOR WOODLAND PRESERVATION AREAS

1
3

August 2010

A-4, DET-4



NOTES: (MUST BE INCLUDED WITH DETAIL)

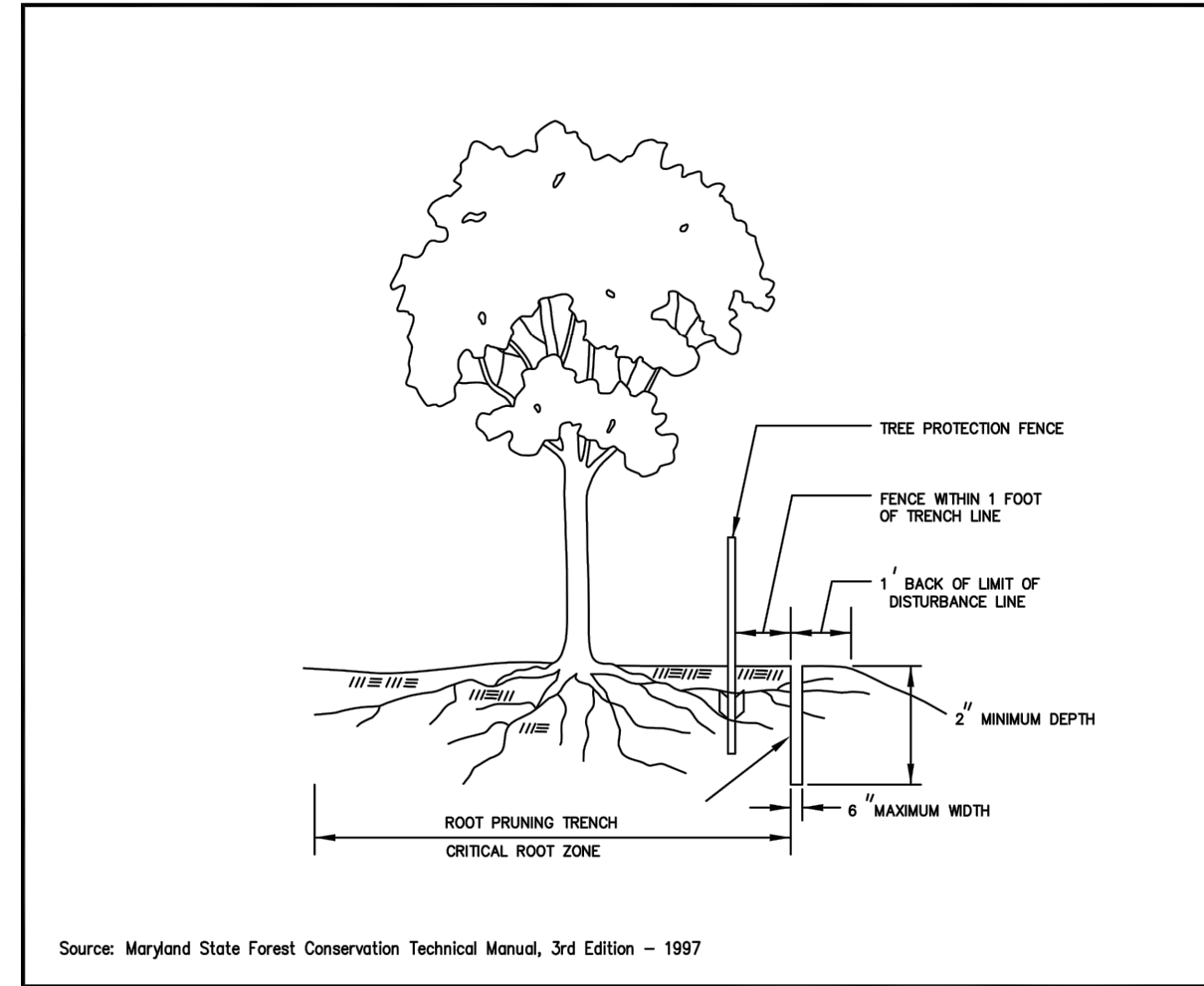
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6. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

TEMPORARY FENCE PROTECTION DETAIL
FOR WOODLAND PRESERVATION AREAS

2
3

August 2010

A-4, DET-5



NOTES:

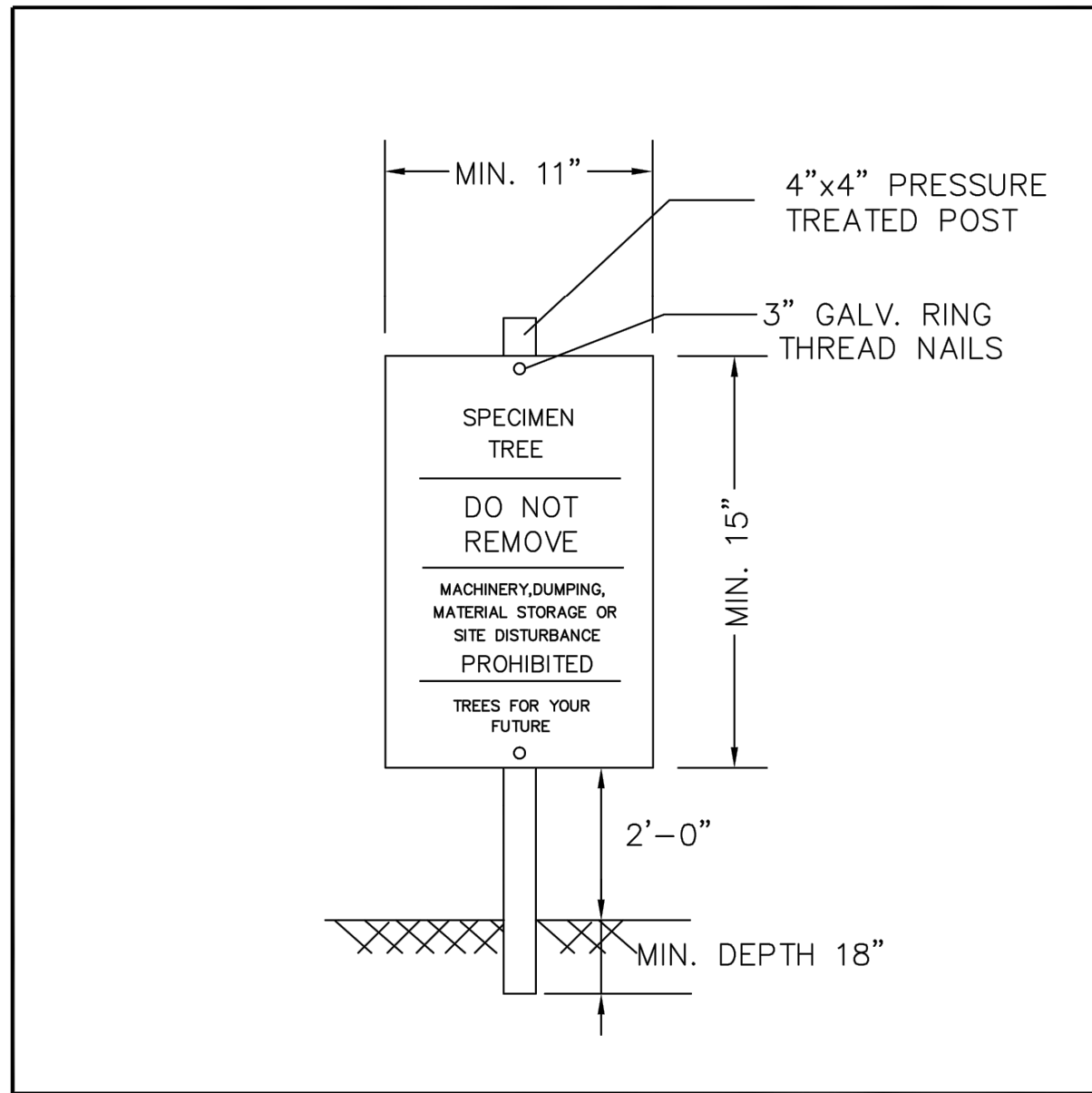
1. RETENTION AREAS TO BE ESTABLISHED AS PART OF THE FOREST CONSERVATION PLAN REVIEW PROCESS.
2. BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED, FLAGGED AND/OR FENCED PRIOR TO TRENCHING.
3. EXACT LOCATION OF TRENCH SHOULD BE IDENTIFIED.
4. TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH SOIL REMOVED OR OTHER HIGH ORGANIC SOIL.
5. ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.

ROOT PRUNING

3
3

August 2010

A-4, DET-10



NOTES:

1. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
2. SIGNS SHOULD BE PROPERLY MAINTAINED.
3. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
4. SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL FROM ALL DIRECTIONS.
5. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE.
6. LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING.
7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

SPECIMEN TREE SIGN

4
3

August 2010

A-4, DET-3

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				
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: **01-24-2019**

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

DRAWING TITLE

TCP-2 GENERAL NOTES, TABLES, AND DETAILS

CLIENT

WASHINGTON
GAS LIGHT
COMPANY



gai consultants

PROJECT

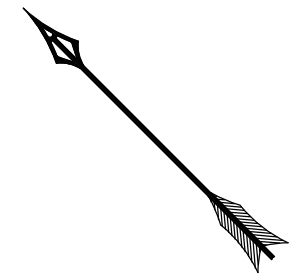
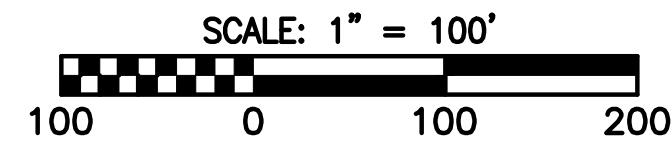
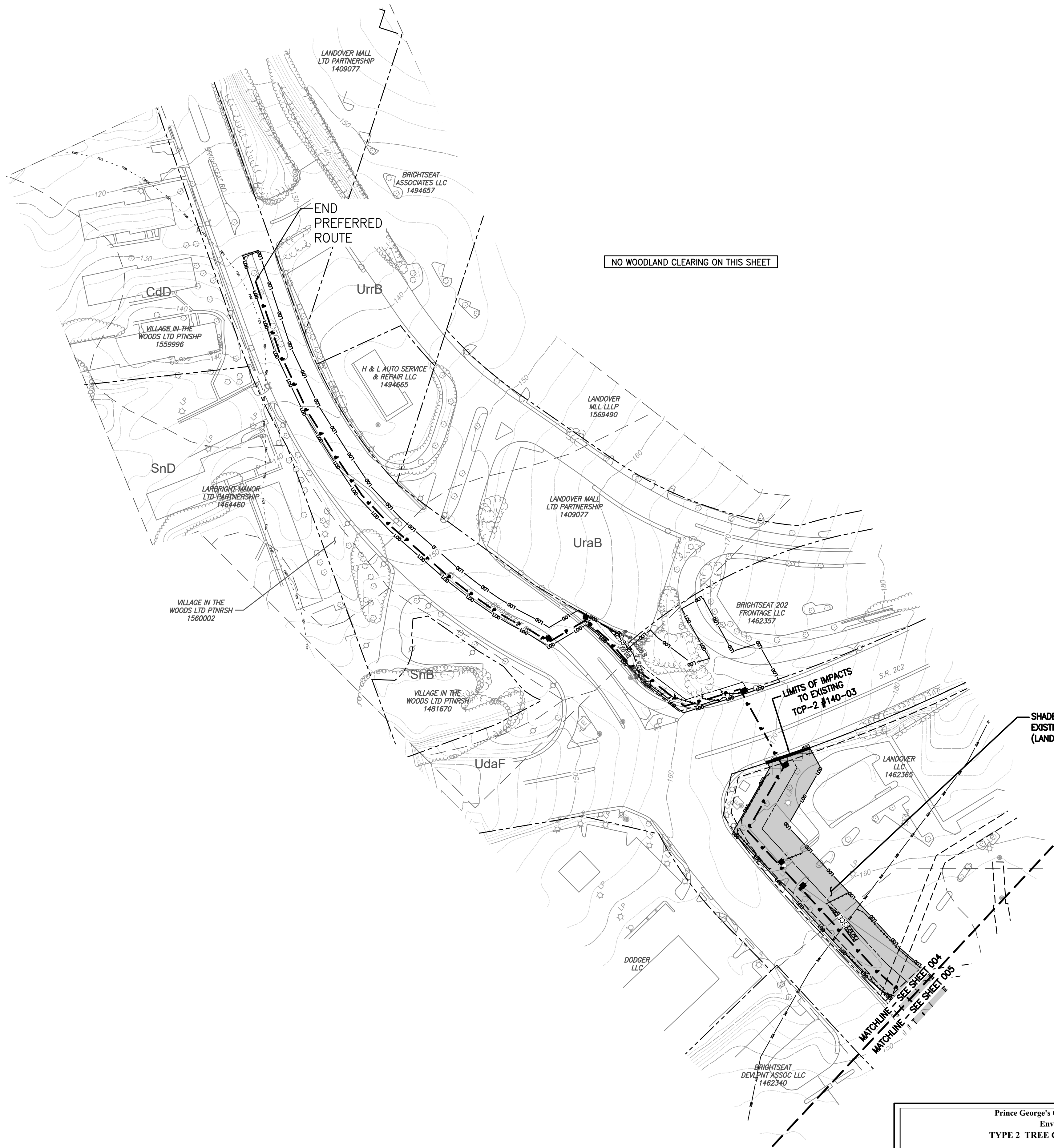
PRINCE GEORGE'S COUNTY AND
DISTRICT OF COLUMBIA
RELIABILITY AND
REINFORCEMENT PROJECT

ISSUING OFFICE: Pittsburgh | 985 E. Waterfront Drive, Homestead, PA 15120

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DOYLEMP	WHEATTC	STRAING
DWG TYPE:	SCALE:	ISSUE DATE:
N/A	AS SHOWN	01/24/2019
SHEET NO.:		REVISION
3 OF 39		△

GAI FILE NUMBER:
C131838-05-001-00-C-002
ALT./CLIENT DRAWING NUMBER:
GAI DRAWING NUMBER:
003



- LEGEND**
- PROPOSED NATURAL GAS PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - 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 <i>L. Burke</i>	5/21/2019	N/A	N/A	
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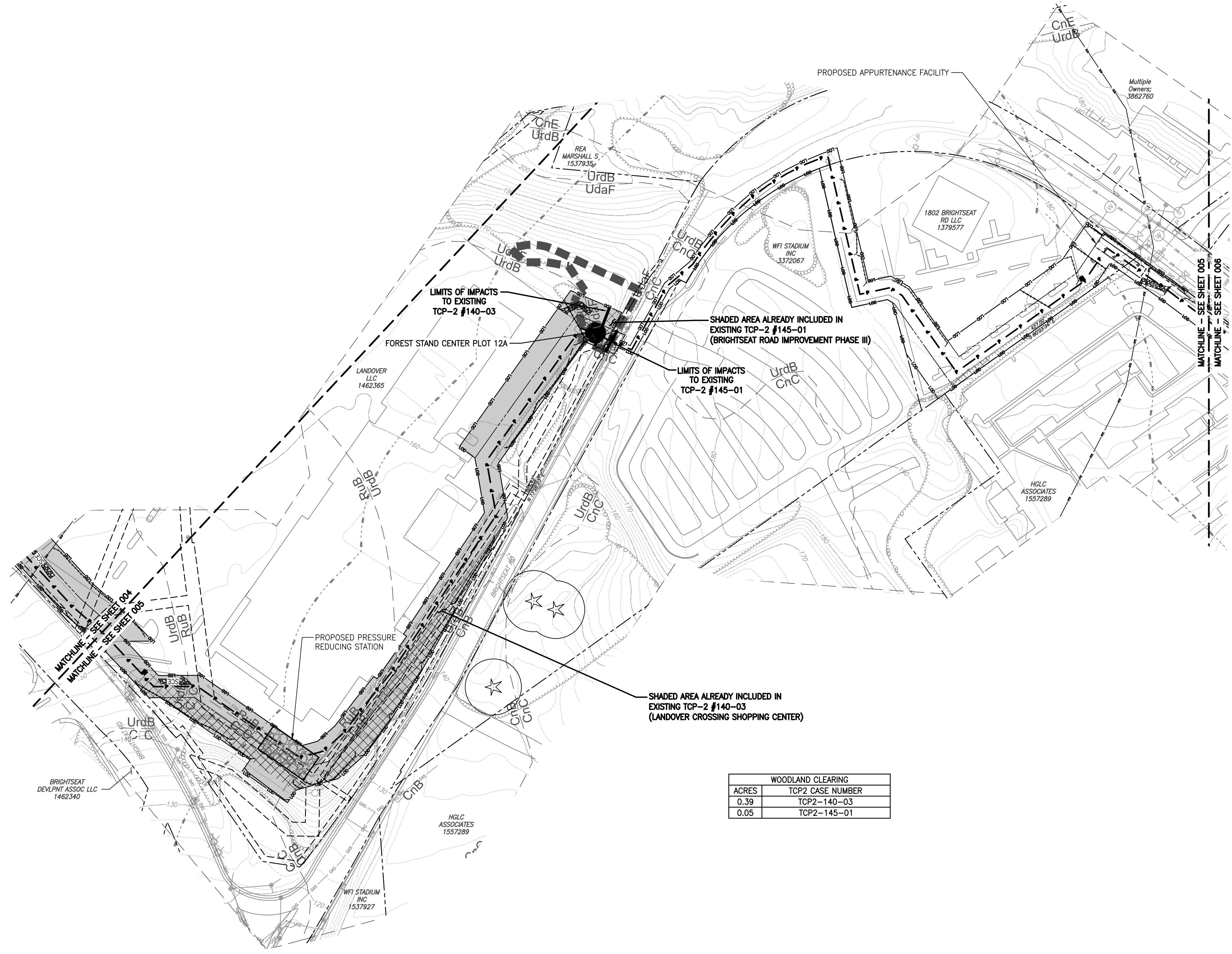
QUALIFIED PROFESSIONAL CERTIFICATION

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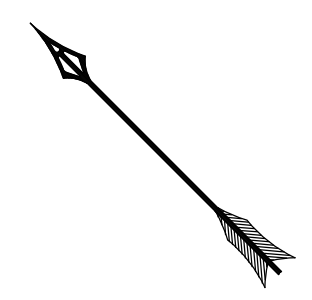
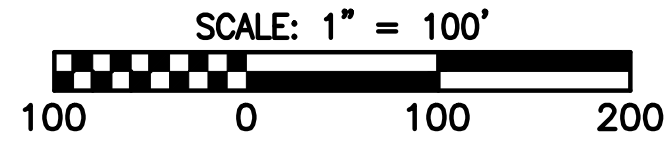
Signed: *[Signature]* Date: **01-24-2019**

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	PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 985 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\131818\00 - WBL - Ship 12 Land Acqui\CAD\Production Drawings\TCP-2\131818-05-001-C-004.dwg - PLOTTED ON: 1/23/2019 11:10:09 AM - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dts
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ALT./CLIENT DRAWING NUMBER:					
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DRAWN BY:		CHECKED BY:		APPROVED BY:	
DOYLEMP		WHEATTC		STRAING	
DWG TYPE:		SCALE:		ISSUE DATE:	
N/A		AS SHOWN		01/24/2019	
SHEET NO.:		4 OF 39		REVISION	



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
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0.05	TCP2-145-01

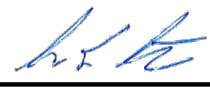


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Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 015-2018				
Approved by	Date	DRD #	Reason for Revision	
00 T. BURKE	5/21/2019	N/A	N/A	
01				
02				
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QUALIFIED PROFESSIONAL CERTIFICATION

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Signed:  Date: **01-24-2019**

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

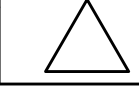
PROJECT

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

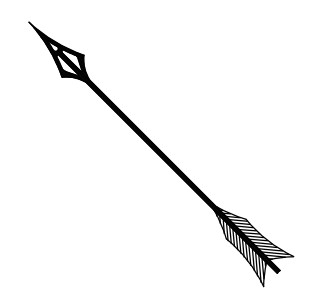
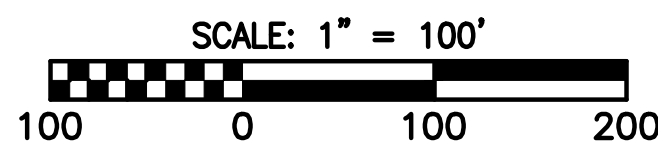
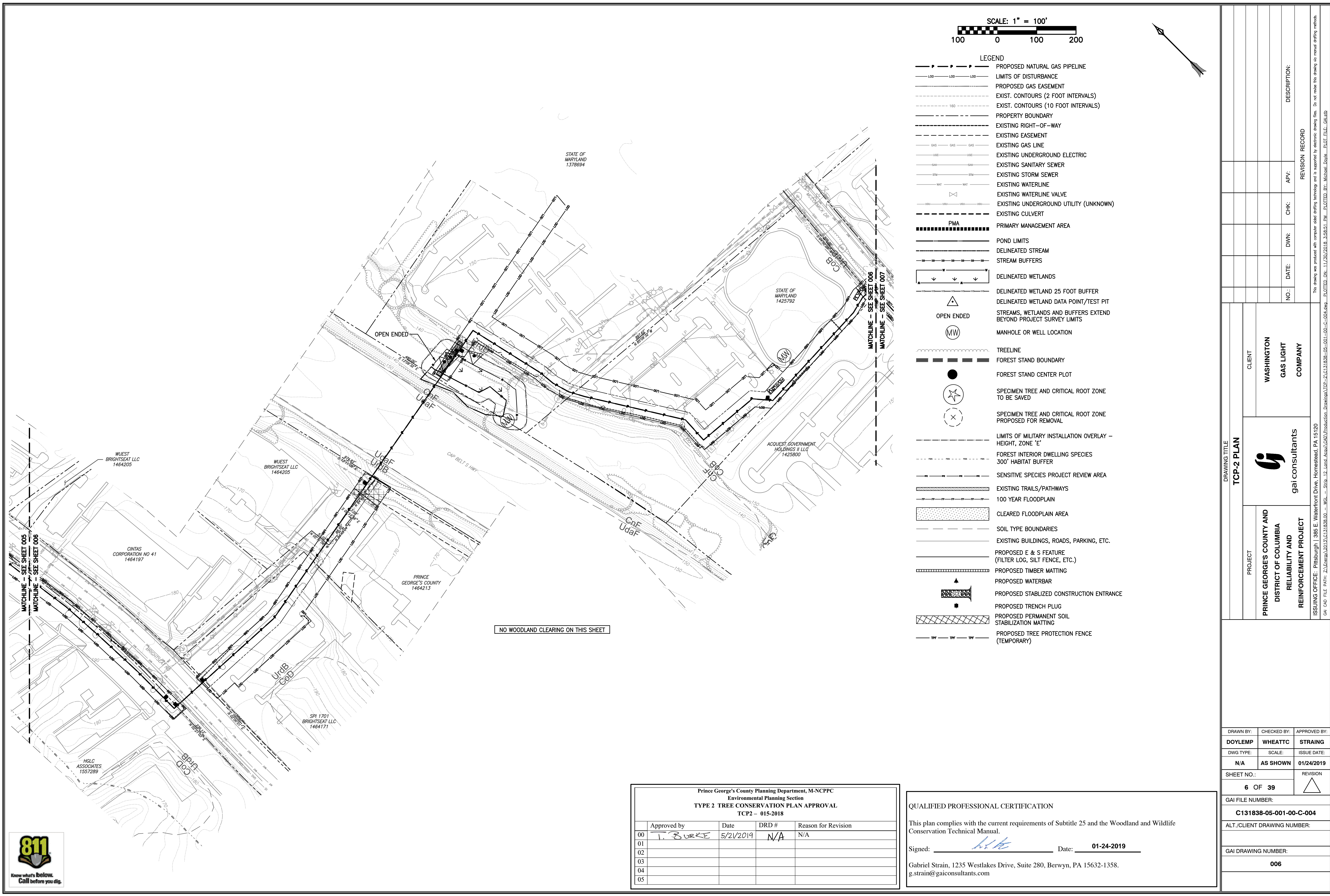
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NO.:	DATE:	DWN:	CHK:	APV:	REVISION RECORD

DRAWN BY:	CHECKED BY:	APPROVED BY:
DOYLEMP	WHEATTC	STRAING
DWG TYPE:	SCALE:	ISSUE DATE:
N/A	AS SHOWN	01/24/2019

SHEET NO.:	REVISION
5 OF 39	

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C131838-05-001-00-C-004
ALT./CLIENT DRAWING NUMBER:
GAI DRAWING NUMBER:
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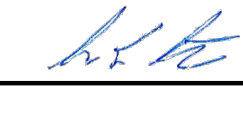
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 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)

NO WOODLAND CLEARING ON THIS SHEET

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				
02				
03				
04				
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QUALIFIED PROFESSIONAL CERTIFICATION

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Signed:  Date: **01-24-2019**

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DRAWING TITLE
TCP-2 PLAN

CLIENT
**WASHINGTON
GAS LIGHT
COMPANY**

gai consultants

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

DRAWN BY:
DOYLEMP

CHECKED BY:
WHEATTC

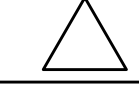
APPROVED BY:
STRAING

DWG TYPE:
N/A

SCALE:
AS SHOWN

ISSUE DATE:
01/24/2019

SHEET NO.:
6 OF 39

REVISION


GAI FILE NUMBER:
C131838-05-001-00-C-004

ALT./CLIENT DRAWING NUMBER:

GAI DRAWING NUMBER:
006

NO.

DATE

DWN

CHK

APV

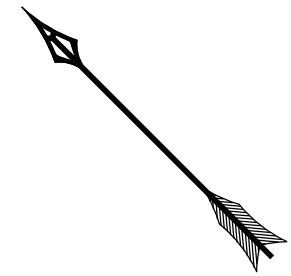
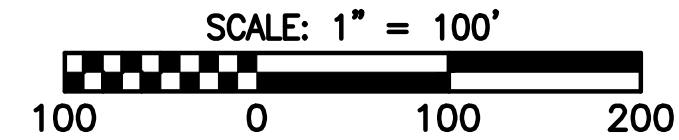
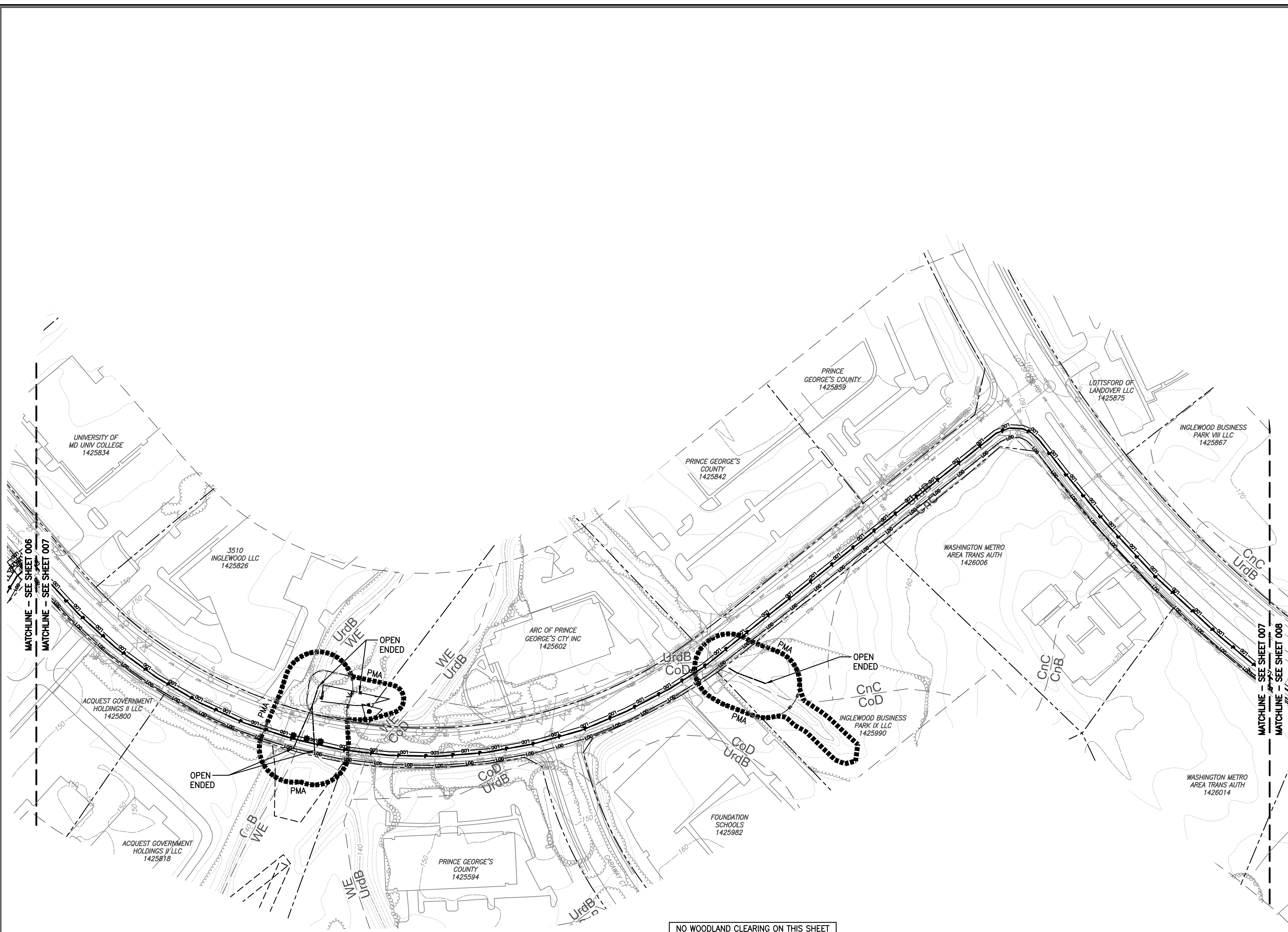
DESCRIPTION

REVISION RECORD

ISSUING OFFICE: Pittsburgh | 985 E. Waterfront Drive, Homestead, PA 15120

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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.



- 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				
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: 01-24-2019

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

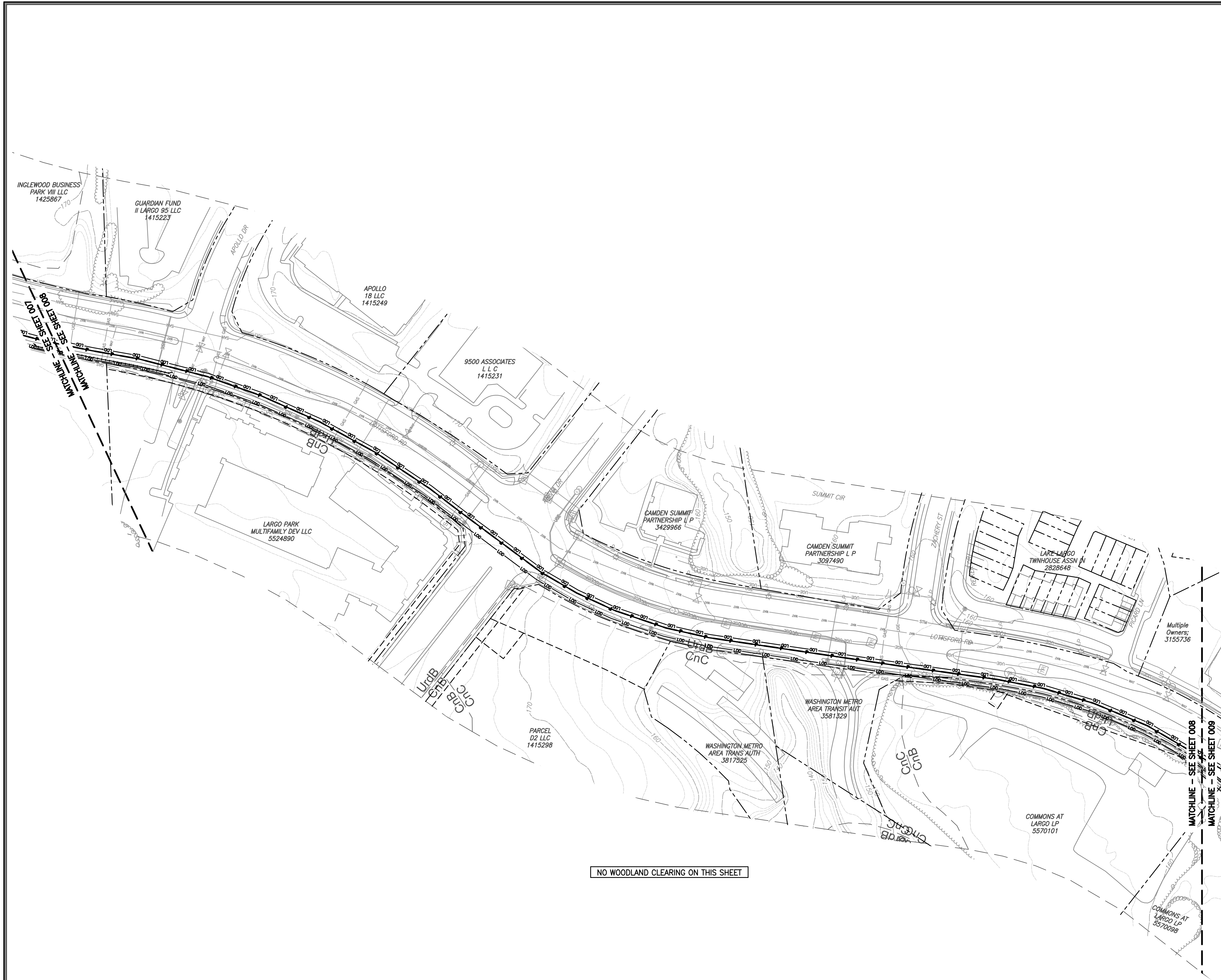
DRAWING TITLE
TCP-2 PLAN

CLIENT
WASHINGTON
GAS LIGHT
COMPANY

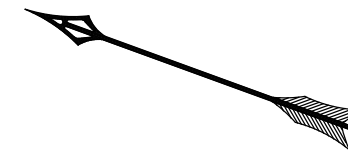
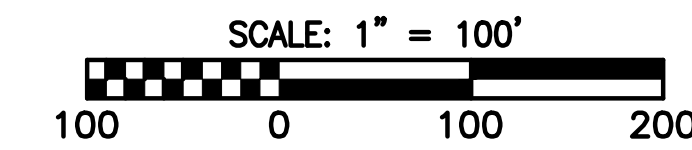
PROJECT
PRINCE GEORGE'S COUNTY AND
DISTRICT OF COLUMBIA
RELIABILITY AND
REINFORCEMENT PROJECT

ISSUING OFFICE: Pittsburgh | 985 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\CAD\Production Drawings\TCP-2\131838-05-001-00-C-004.dwg - PLOTTED ON: 11/20/2018 3:59:23 PM - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dtb

REVISION RECORD		NO.	DATE	DWN	CHK	APV	DESCRIPTION
7 OF 39							
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
 - 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				
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: **01-24-2019**

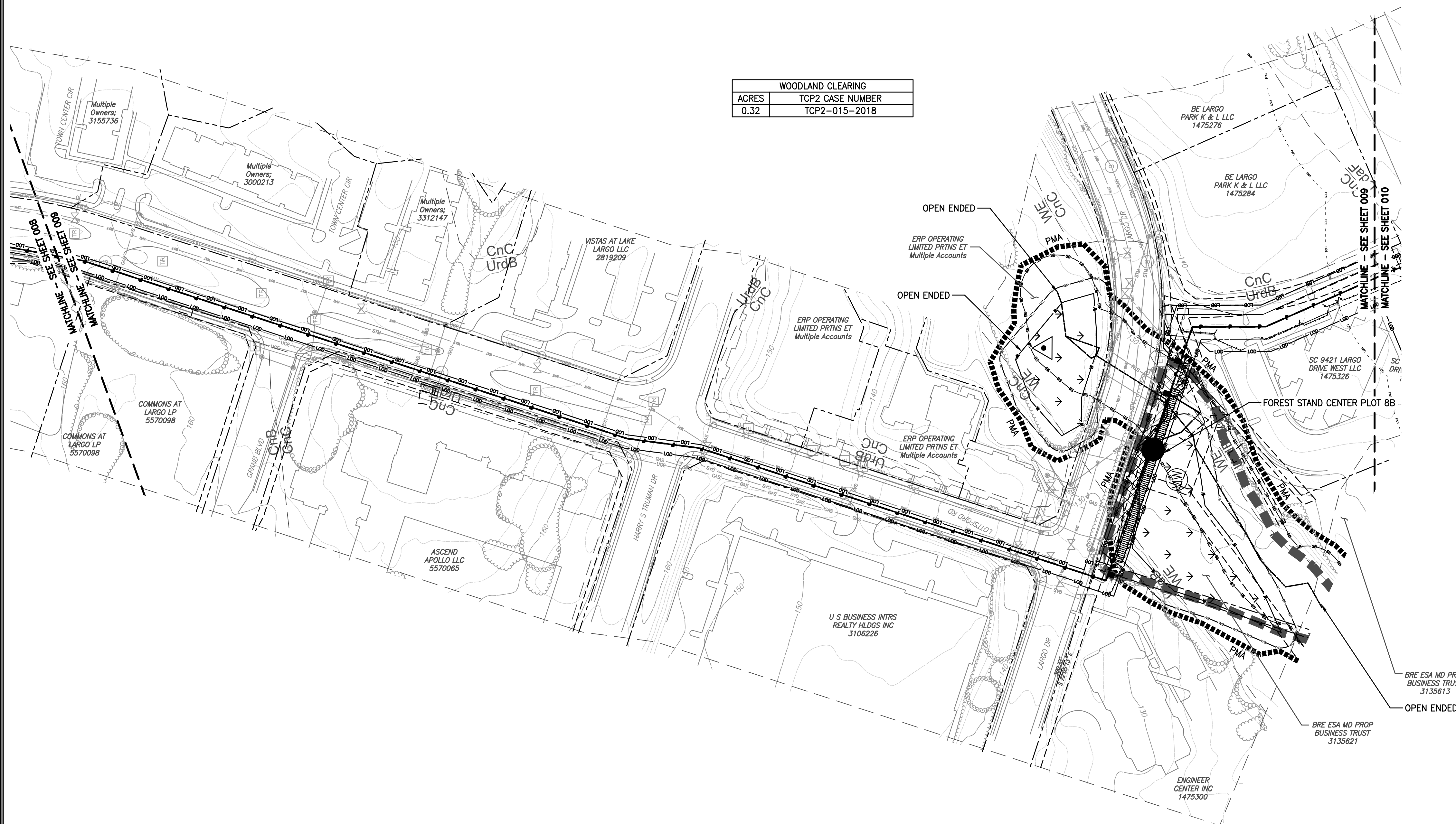
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com


DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 985 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\000\Production Drawings\TCP-2\131838-05-001-00-C-004.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg	
PROJECT		PROJECT		REVISION RECORD		
NO.		DATE		APV:		
NO.		DWN:		CHK:		
NO.		NO.		NO.		



	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
	TREE LINE
	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 DWINDLING 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)

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

[illegible]

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

DRAWN BY:	CHECKED BY:	APPROVED BY:
DOYLEMP	WHEATTC	STRAUNG
DWG TYPE:	SCALE:	ISSUE DATE:
N/A	AS SHOWN	01/24/2019
SHEET NO.:		REVISION
9 OF 39		

GAI FILE NUMBER:
C131838-05-001-00-C-004
ALT./CLIENT DRAWING NUMBER:
GAI DRAWING NUMBER:
009

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	<i>J. Burke</i>	5/21/2019	N/A	N/A
01				
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: hsk Date: **01-24-2019**

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







Know what's below.
Call before you dig.

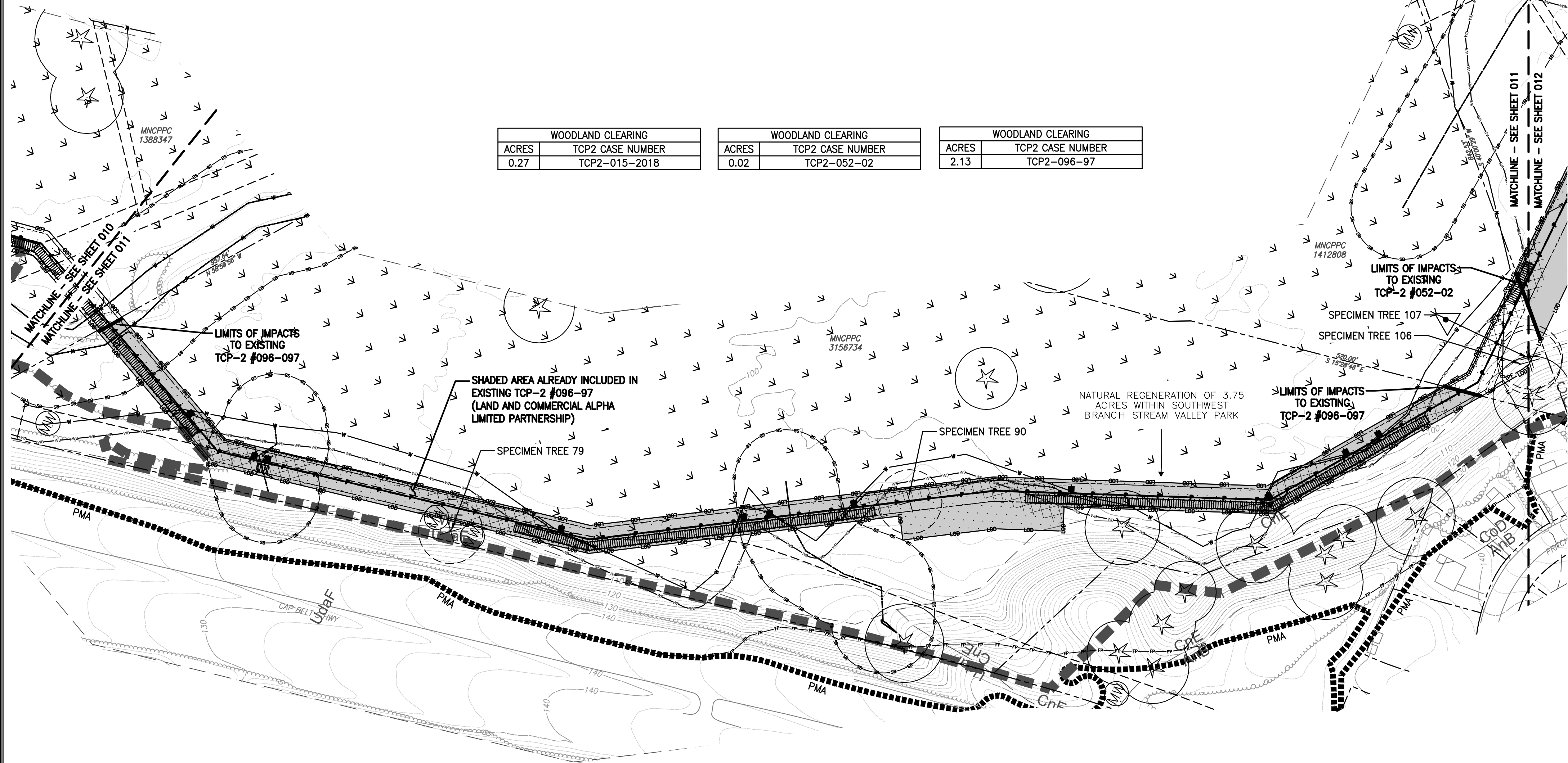
QUALIFIED PROFESSIONAL CERTIFICATION

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

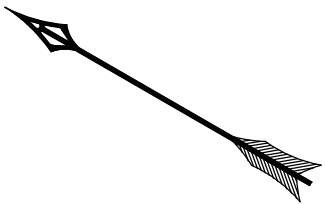
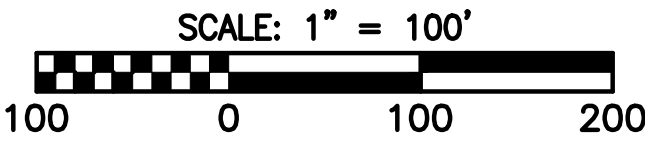
Signed:  Date: 01-24-2019

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

DRAWING TITLE TCP-2 PLAN					
PROJECT PRINCE GEORGES COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		 gai consultants		CLIENT WASHINGTON GAS LIGHT COMPANY	
ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120					
This drawing was produced with computer aided drafting technology and is supported by electronic plotting files. Do not make this drawing via manual drafting methods.					
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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				
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: **01-24-2019**

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

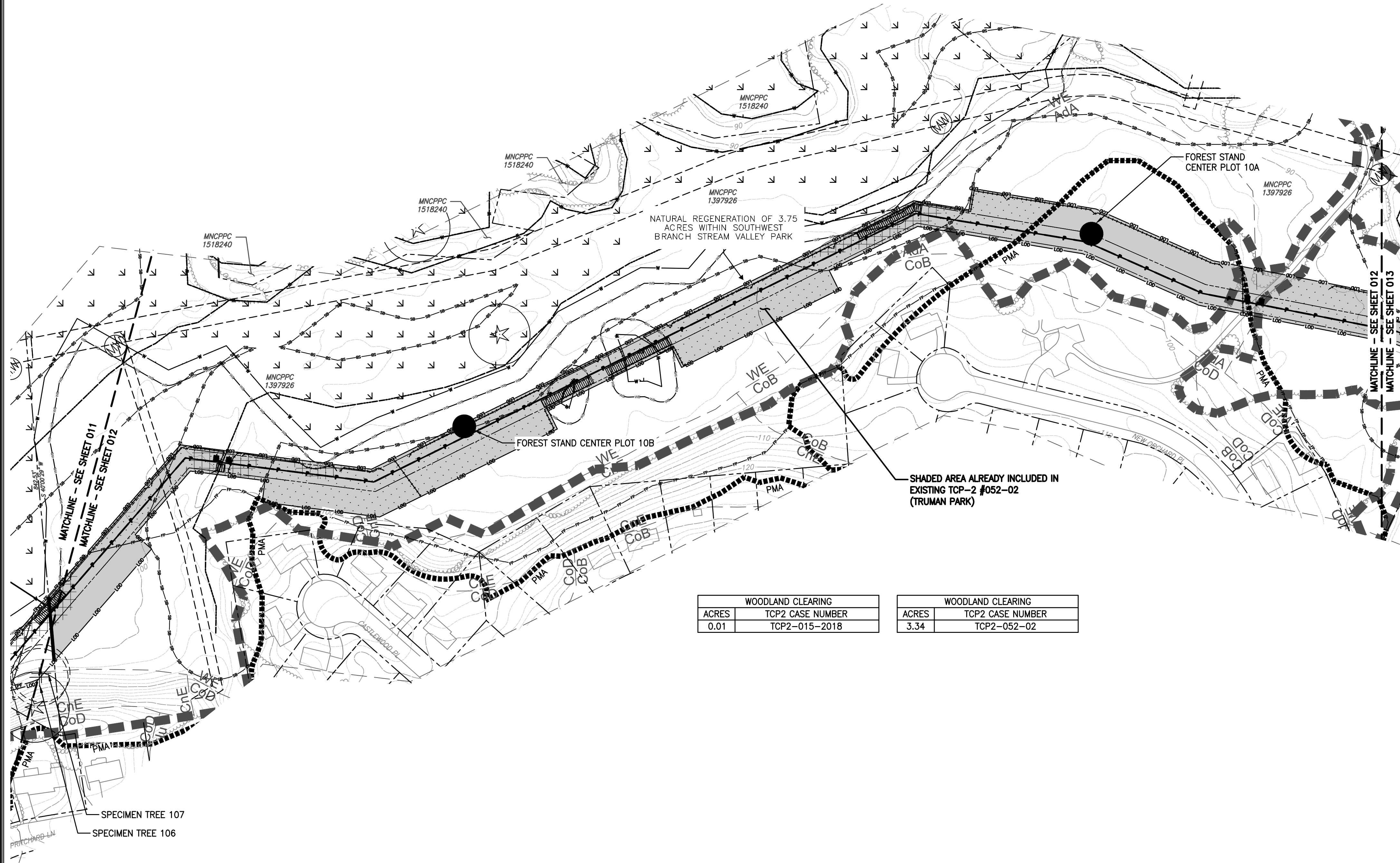
DRAWING TITLE
TCP-2 PLAN

CLIENT
**WASHINGTON
GAS LIGHT
COMPANY**

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

ISSUING OFFICE: Pittsburgh | 985 E. Waterfront Drive, Homestead, PA 15120
GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-004.dwg - W01 - Strip 12 Land Acquis\CAD\Production Drawings\TCP2-2\G131838-05-001-00-C-004.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg

REVISION RECORD		NO.	DATE	DWN	CHK	APV	DESCRIPTION
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



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				
02				
03				
04				
05				

SCALE: 1" = 100'

1000

0

100

200

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)

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 - Sheet 12 Land Acquis\CAD\Production Drawing\TCP-2\C131838-05-001-C-004.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dwg

REVISION RECORD

NO.:	DATE:	DWN:	CHK:	APV:	DESCRIPTION:
12	01/24/2019				

DRAWN BY: DOYLEMP

CHECKED BY: WHEATTC

APPROVED BY: STRAING

DWG TYPE: N/A

SCALE: AS SHOWN

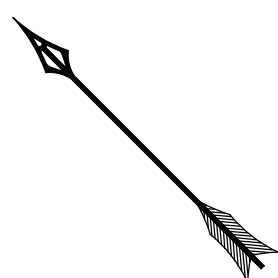
ISSUE DATE: 01/24/2019

SHEET NO.: 12 OF 39

GAI FILE NUMBER: C131838-05-001-00-C-004


ALT./CLIENT DRAWING NUMBER:

GAI DRAWING NUMBER: 012




QUALIFIED PROFESSIONAL CERTIFICATION

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

Signed:  Date: **01-24-2019**

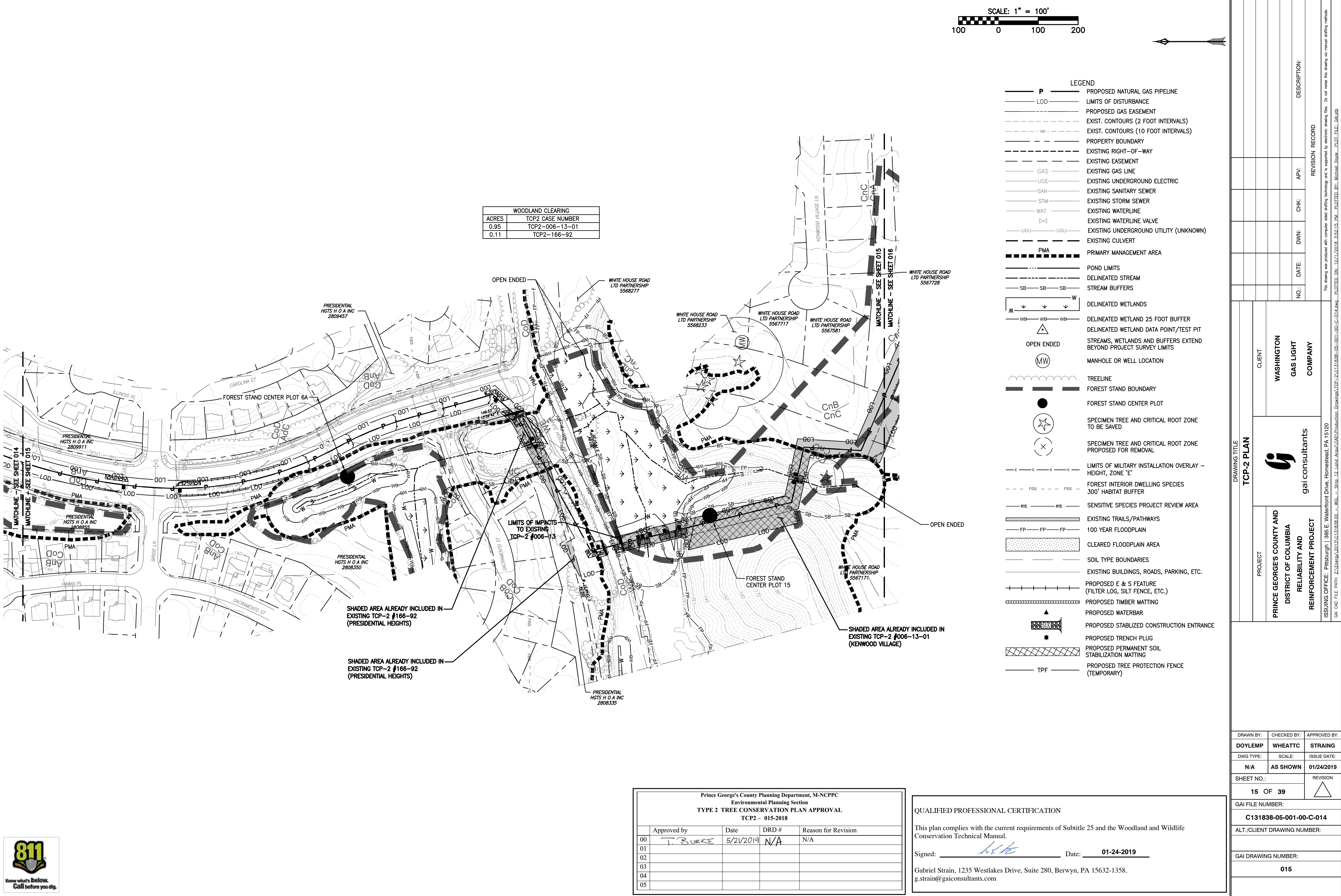
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com



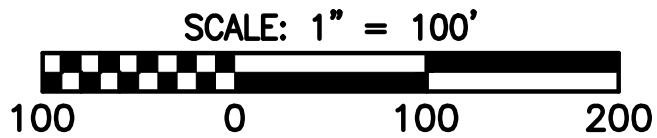
- QUALIFIED PROFESSIONAL CERTIFICATION
- This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.
- Signed:  Date: **01-24-2019**
- Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

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

[illegible]



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
 - WB WB WB DELINEATED WETLAND 25 FOOT BUFFER
 - OPEN ENDED DELINEATED WETLAND DATA POINT/TEST PIT
 - MW 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
 - 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-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			
02			
03			
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05			

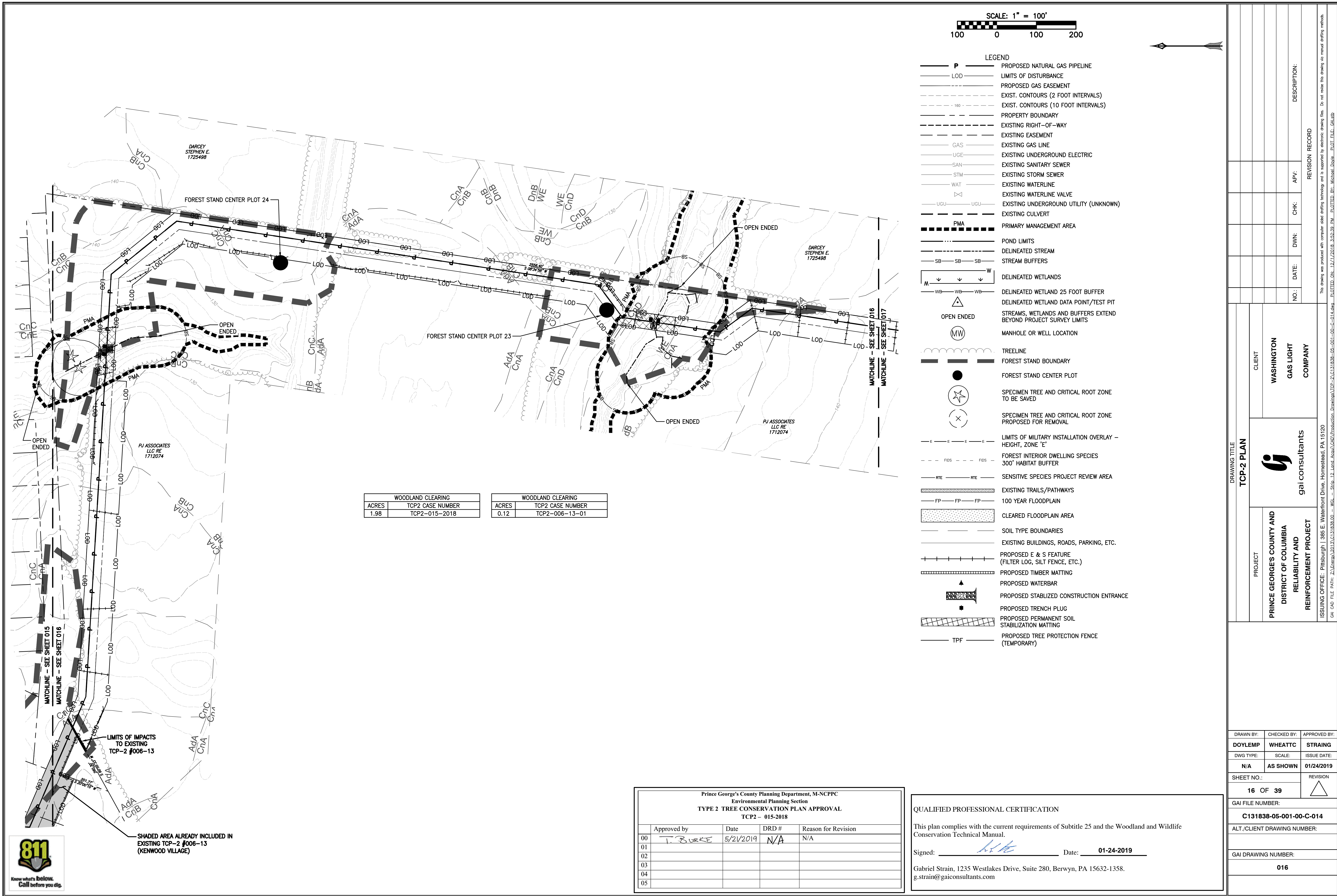
QUALIFIED PROFESSIONAL CERTIFICATION

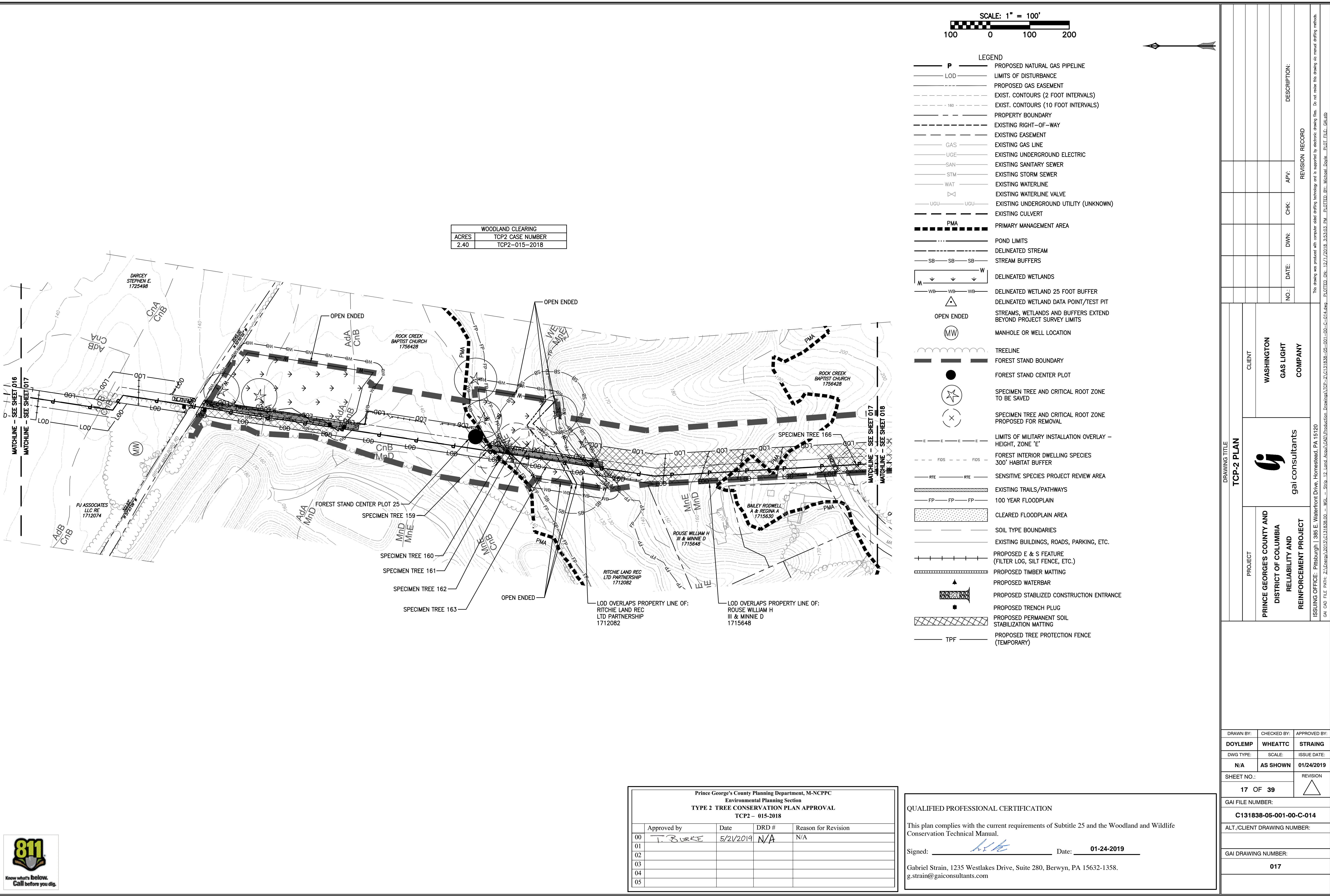
This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: Date: 01-24-2019

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

		DRAWING TITLE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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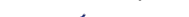




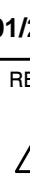
<p align="center">Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 – 015-2018</p>				
	Approved by	Date	DRD #	Reason for Revision
00	<i>T. Burke</i>	5/21/2019	N/A	N/A
01				
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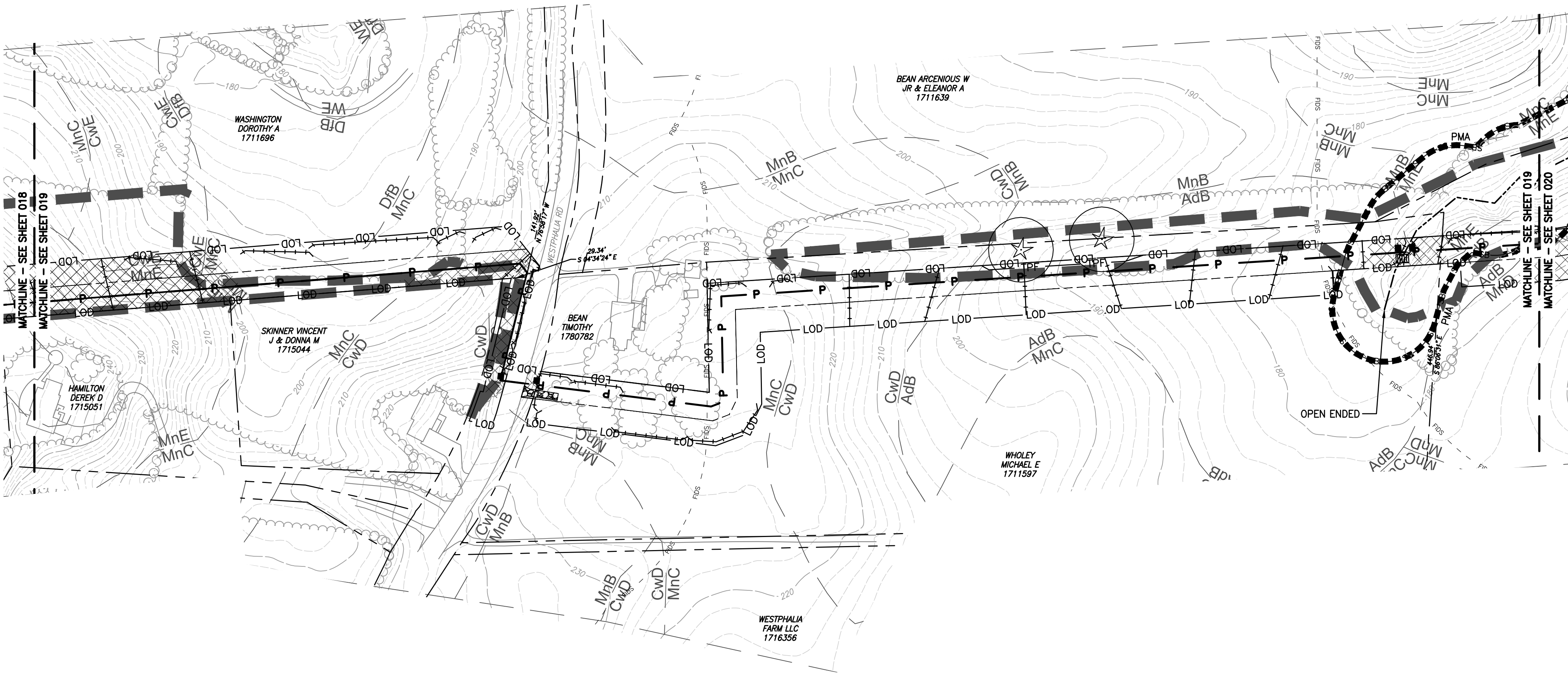
QUALIFIED PROFESSIONAL CERTIFICATION

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

Signed:  Date: **01-24-2019**

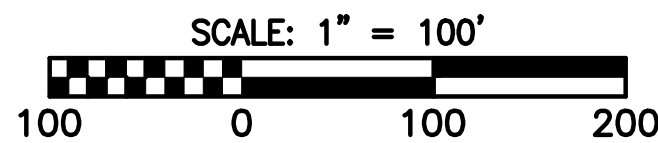
Gabriel Straits, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaisconsultants.com

DRAWN BY:			CHECKED BY:			APPROVED BY:		
DOYLEMP			WHEATTC			STRAING		
DWG TYPE:			SCALE:			ISSUE DATE:		
N/A			AS SHOWN			01/24/2019		
SHEET NO.:						REVISION		
18 OF 39								
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
 - 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
 - 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
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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 J. Burke	5/21/2019	N/A	N/A	
01				
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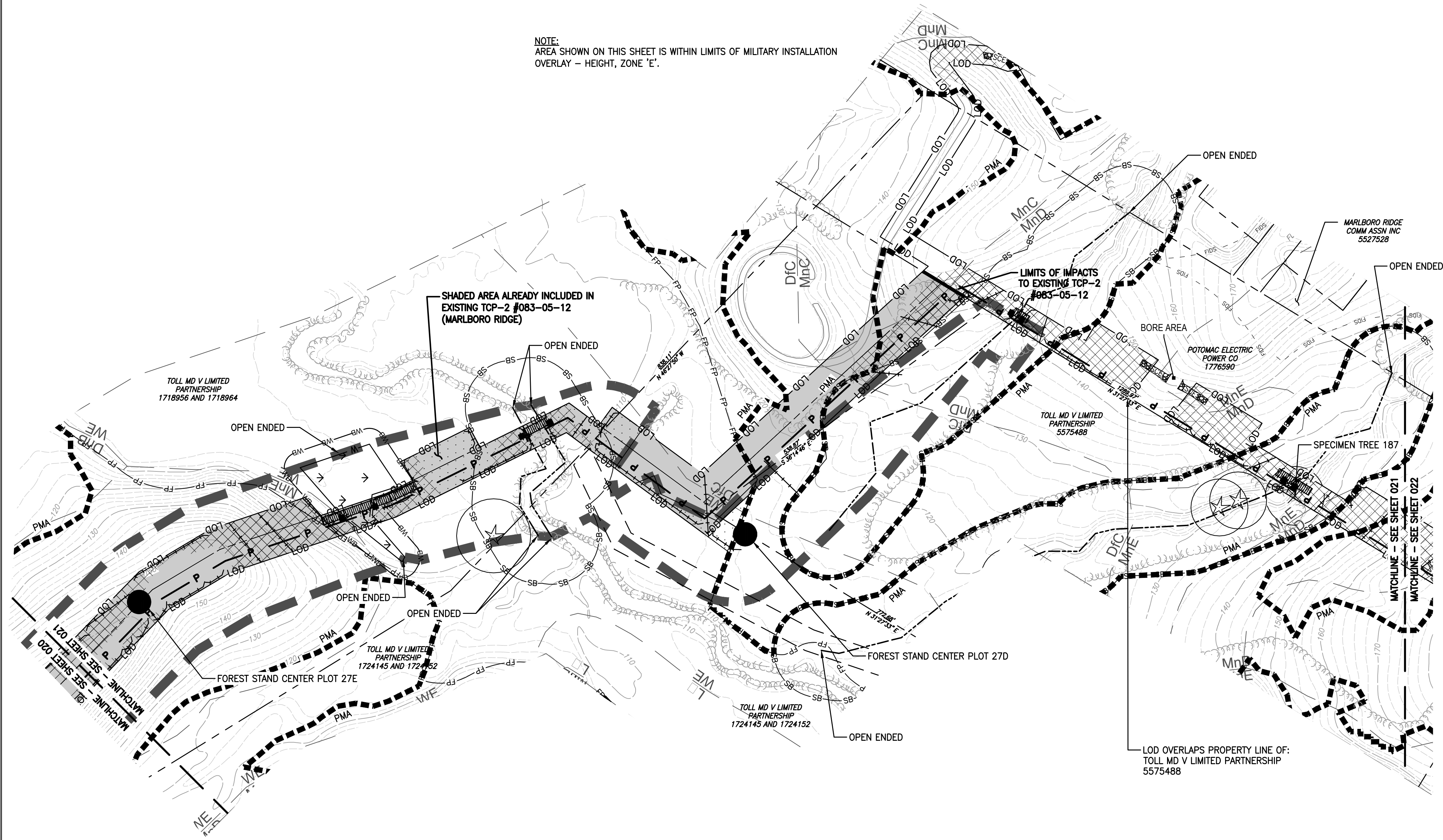
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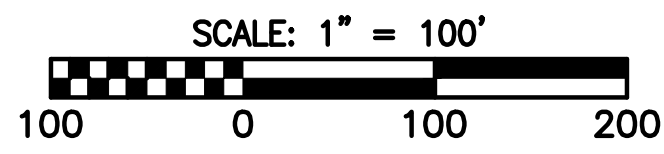
Signed:  Date: 01-24-2019

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

DRAWING TITLE		CLIENT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		APV: _____ CHK: _____ DWN: _____ DATE: _____ NO.: _____	
PROJECT		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 986 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\GAI\Production Drawings\TCP-2\G131838-05-001-00-C-014.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		01/24/2019	
SHEET NO.:		19 OF 39		REVISION	
GAI FILE NUMBER:		C131838-05-001-00-C-014		ALT./CLIENT DRAWING NUMBER:	
GAI DRAWING NUMBER:		019			



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

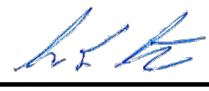


- LEGEND**
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
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 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
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 - 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
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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				
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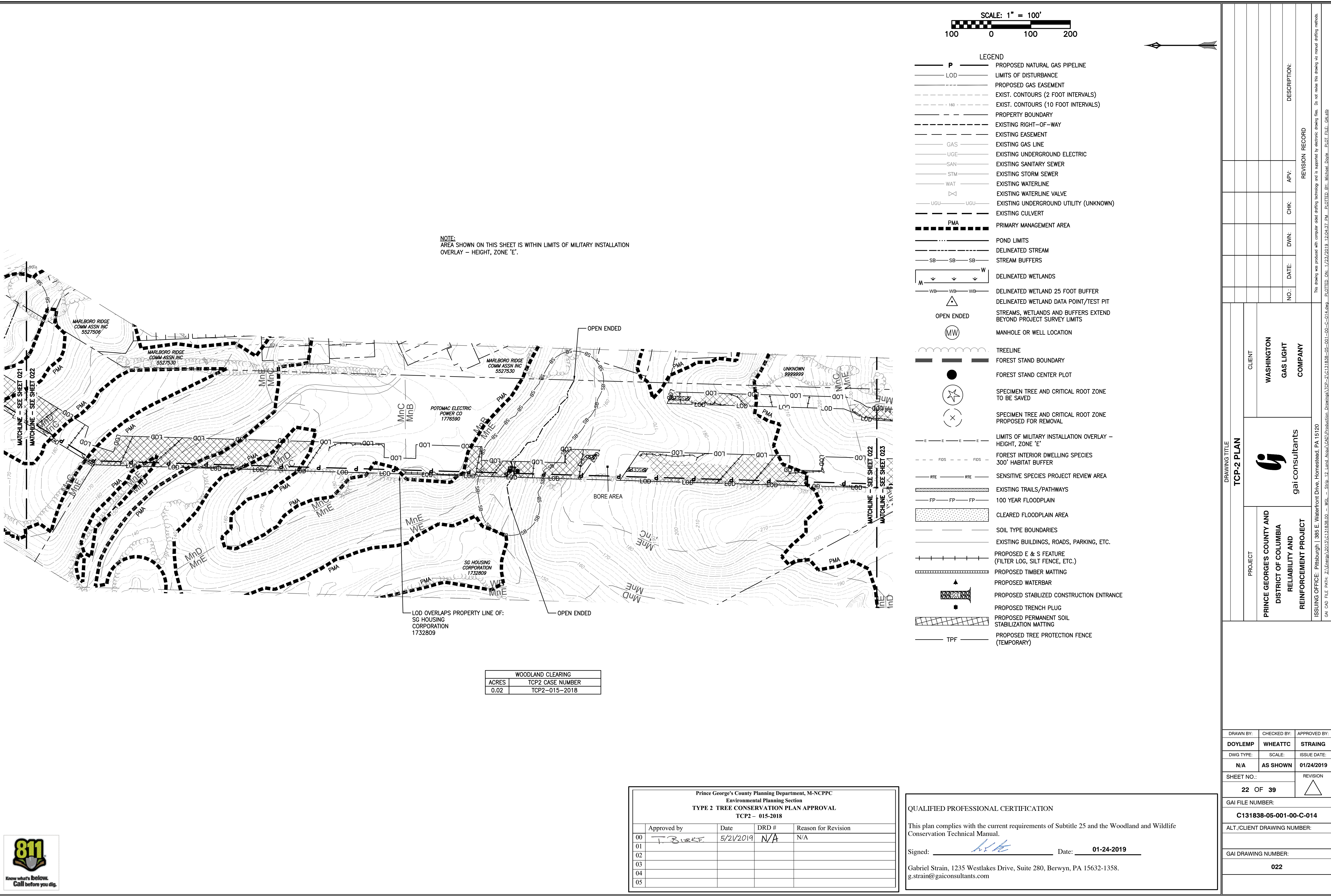
QUALIFIED PROFESSIONAL CERTIFICATION

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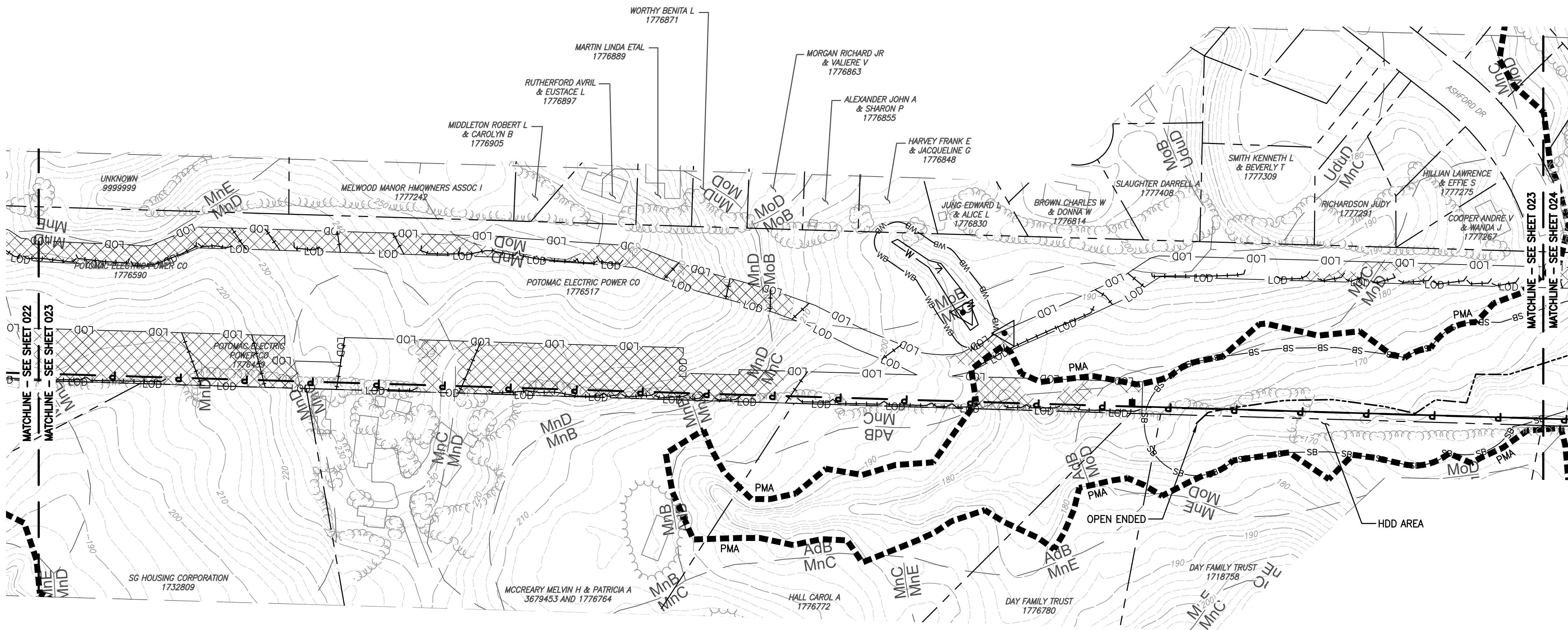
Signed:  Date: **01-24-2019**

Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
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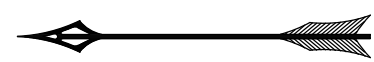
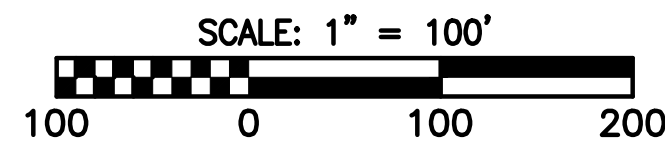
DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 985 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\131838-05-001-C-014.dwg - WBL - Sheet 12 Land Acquis\CAD\Production - Downing\TCP2-2\131838-05-001-C-014.dwg PLOTTED ON: 1/23/2019 12:06:05 PM PLOTTED BY: Michael Dwyer PLOT FILE: GAI.dwg
PROJECT		PROJECT		REVISION RECORD	
NO.:		DATE:		DWN:	
APV:		CHK:		DESCRIPTION:	
21 OF 39		C131838-05-001-00-C-014		ALT./CLIENT DRAWING NUMBER:	
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DRAWN BY:		CHECKED BY:		APPROVED BY:	
DOYLEMP		WHEATTC		STRAING	
DWG TYPE:		SCALE:		ISSUE DATE:	
N/A		AS SHOWN		01/24/2019	
SHEET NO.:		REVISION			
21 OF 39					
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GAI DRAWING NUMBER:		021			



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)
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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	
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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: 01-24-2019

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 | 985 E. Waterfront Drive, Homestead, PA 15120
GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-023.dwg
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REVISION RECORD

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CHECKED BY:

APPROVED BY:

DOYLEMP

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SCALE:

ISSUE DATE:

N/A

AS SHOWN

01/24/2019

SHEET NO.:

23 OF 39

REVISION

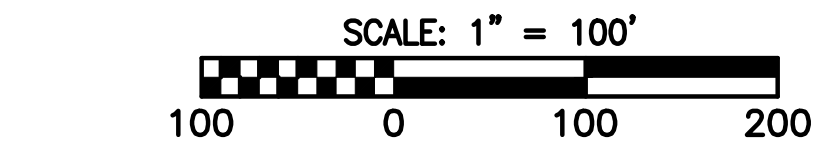
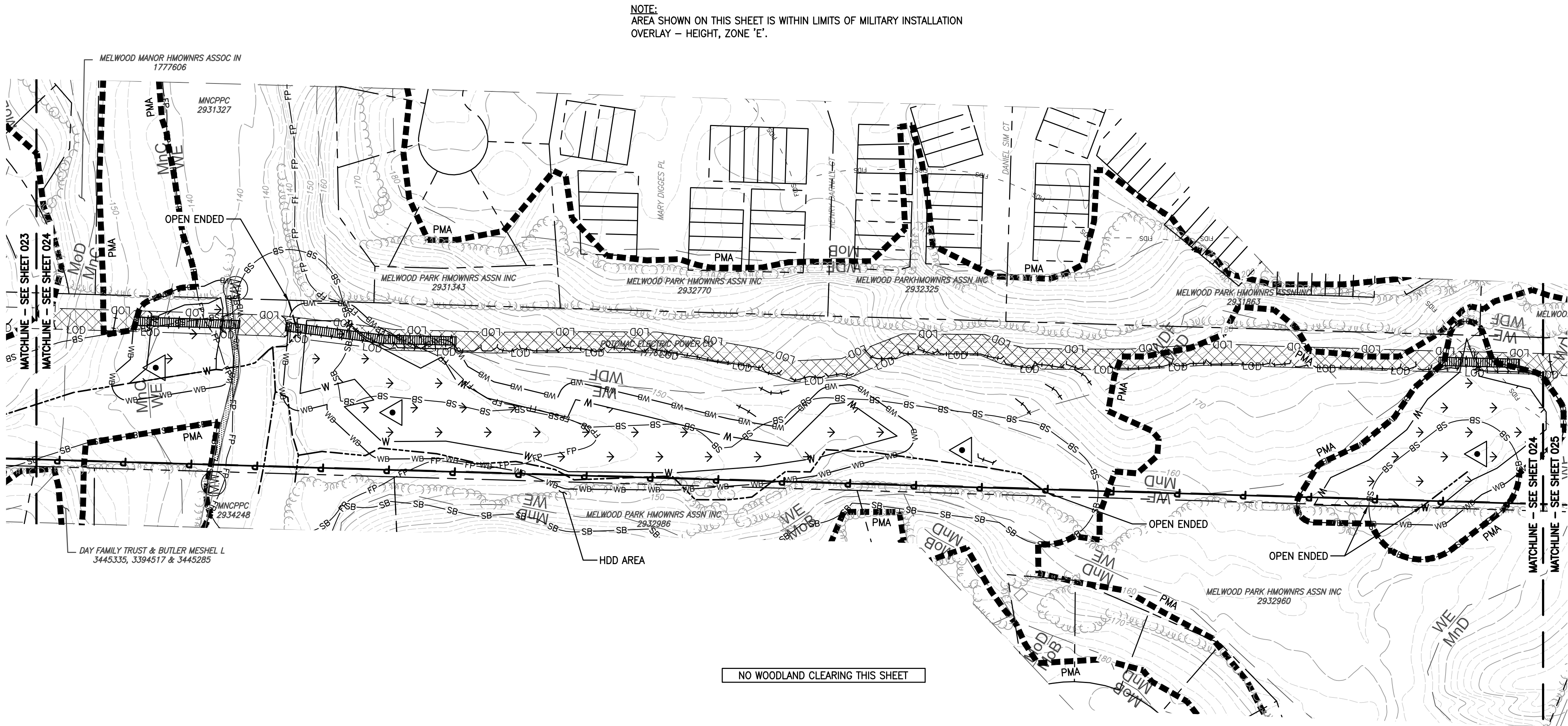
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C131838-05-001-00-C-023

ALT./CLIENT DRAWING NUMBER:

GAI DRAWING NUMBER:

023



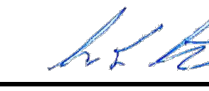
- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
 - EXIST. CONTOURS (10 FOOT INTERVALS)
 - PROPERTY BOUNDARY
 - EXISTING RIGHT-OF-WAY
 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
 - UGE EXISTING UNDERGROUND ELECTRIC
 - 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
 - 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				
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.

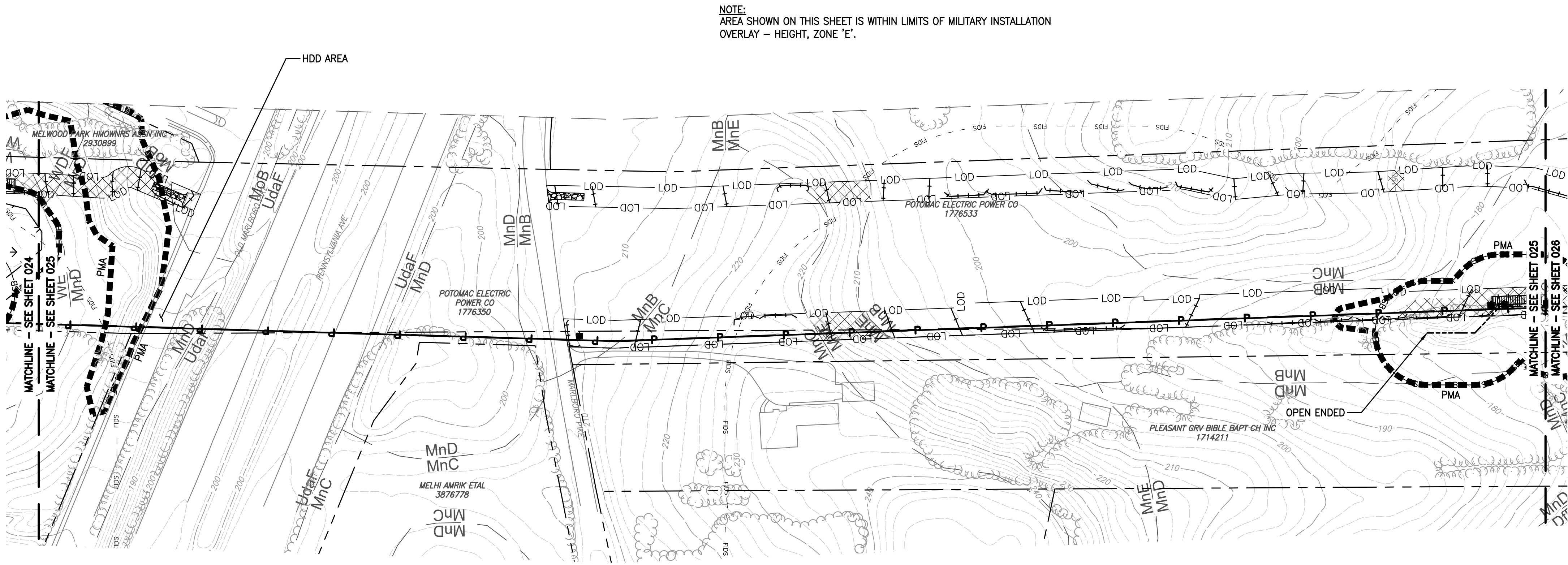
Signed:  Date: **01-24-2019**

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

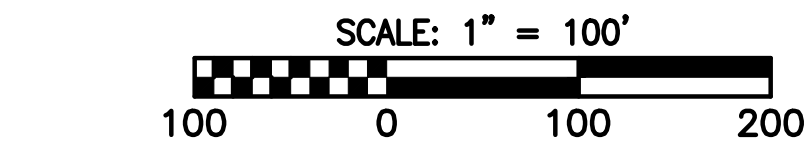
DRAWING TITLE		CLIENT		PROJECT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		1 06/04/2018 MarkEST WebbML TruebCE APV: DWN: NO.:	
GAI FILE NUMBER:		C131838-05-001-00-C-023		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER:	
24 OF 39		024					

ISSUING OFFICE: Pittsburgh | 986 E. Waterfront Drive, Homestead, PA 15120
GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-023.dwg
PLOT FILE: 024.dwg

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
0.04	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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 - FP 100 YEAR FLOODPLAIN
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 - PROPOSED TIMBER MATTING
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 - PROPOSED TRENCH PLUG
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 - 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				
02				
03				
04				
05				

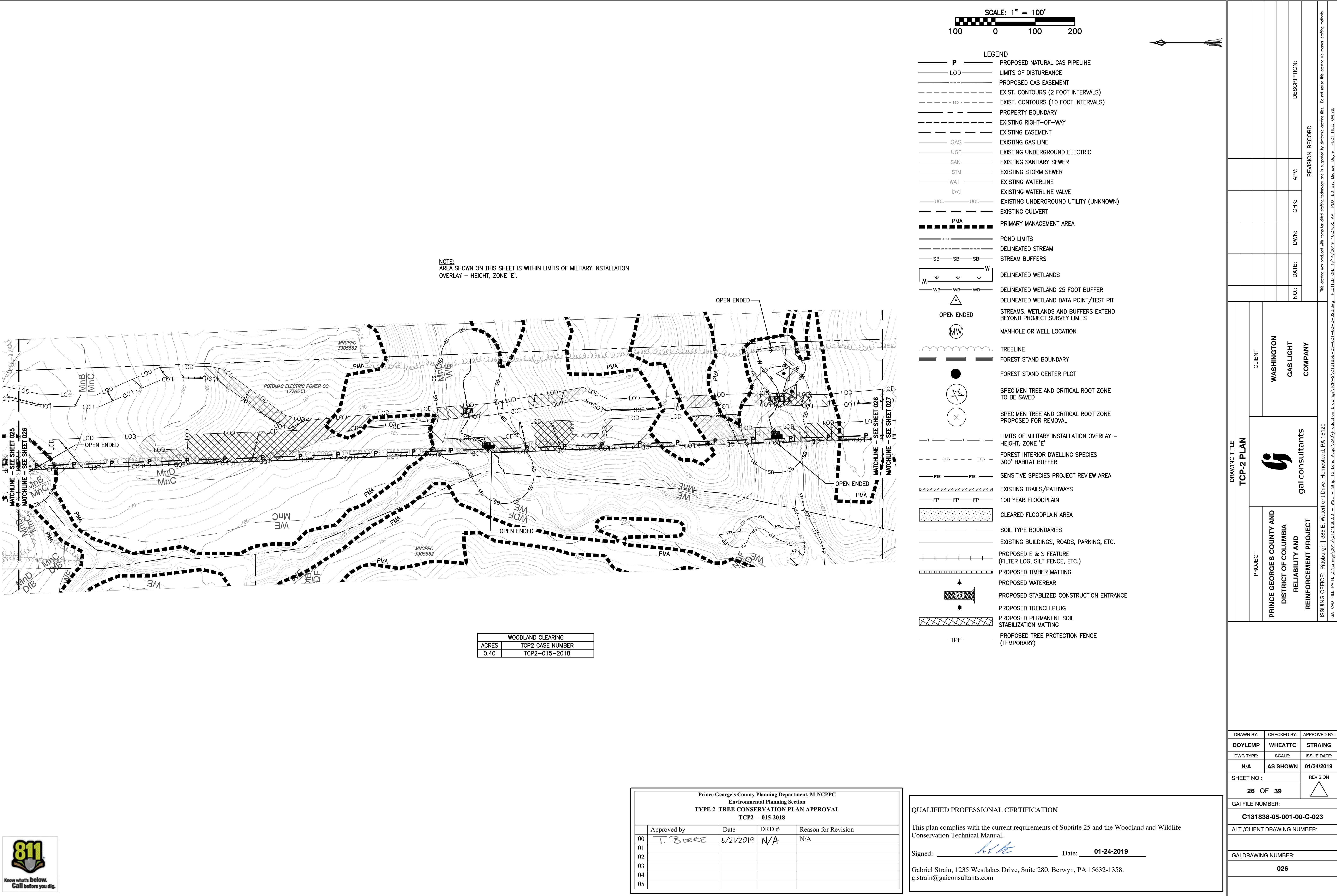
QUALIFIED PROFESSIONAL CERTIFICATION

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

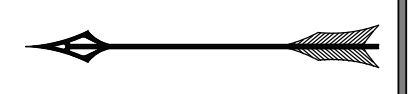
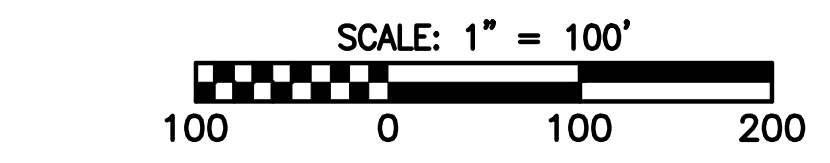
Signed: [Signature] Date: 01-24-2019

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

DRAWING TITLE		CLIENT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		1 06/04/2018 MarkEST WebbML TruebCE APV: CHK: DWN: NO.:	
PROJECT		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 986 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-023.dwg - WBL - Strip 12 Land Acqui\CAD\Production Drawings\TCP-2\G131838-05-001-00-C-023.dwg - PLOTTED: 01/27/2018 4:40:47 PM - PLOTTED BY: Michael Doyle - PLOT FILE: 024.dwg	
DRAWN BY:		CHECKED BY:		APPROVED BY:	
DOYLEMP		WHEATTC		STRAING	
DWG TYPE:		SCALE:		ISSUE DATE:	
N/A		AS SHOWN		01/24/2019	
SHEET NO.:		REVISION		25 OF 39	
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'.



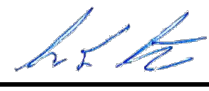
- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
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 - DELINATED WETLAND DATA POINT/TEST PIT
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 - SPECIMEN TREE AND CRITICAL ROOT ZONE PROPOSED FOR REMOVAL
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 - PROPOSED PERMANENT SOIL STABILIZATION MATTING
 - TPF PROPOSED TREE PROTECTION FENCE (TEMPORARY)

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

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 J. Burke	5/21/2019	N/A	N/A	
01				
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: 01-24-2019

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



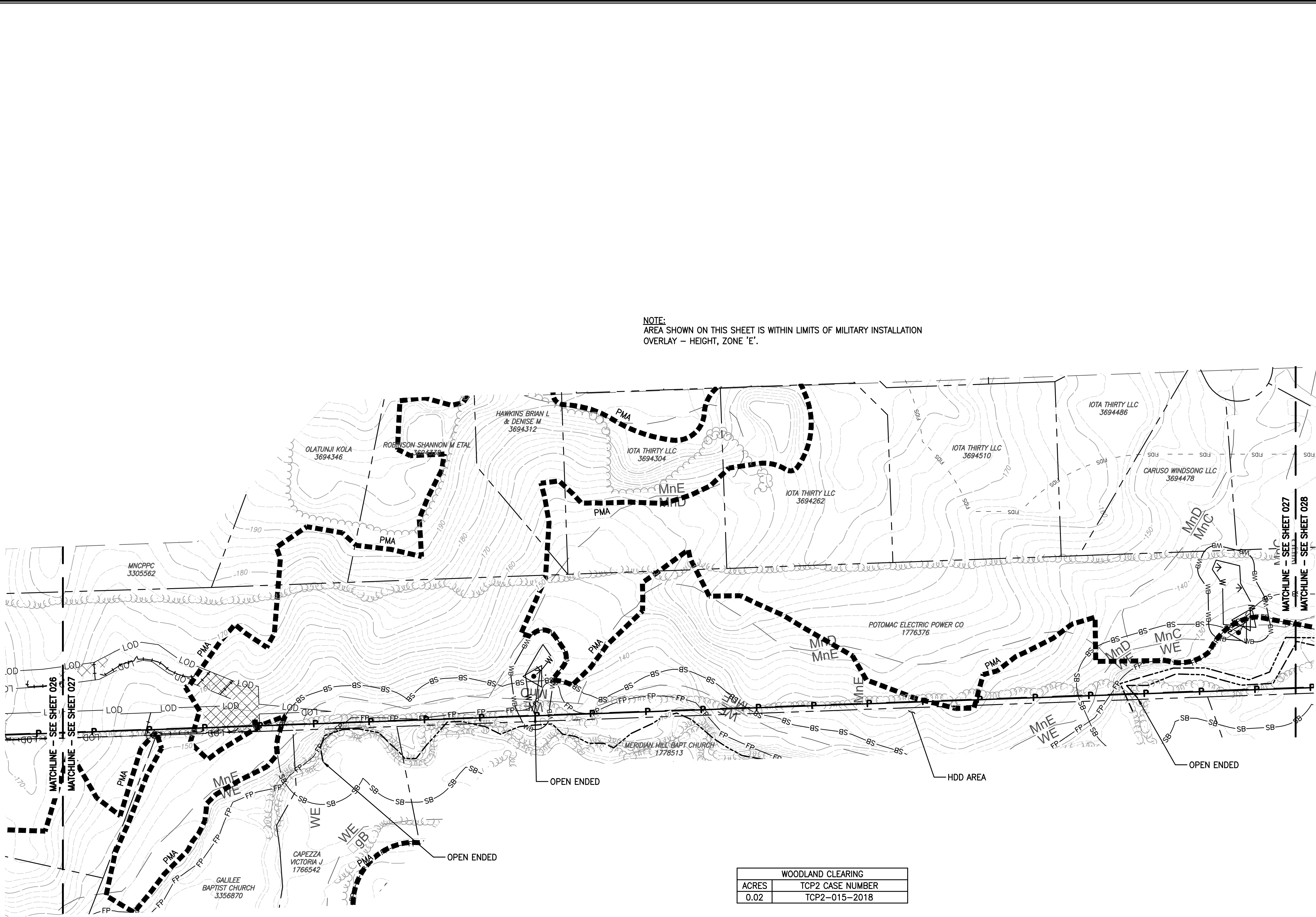
DRAWING TITLE
TCP-2 PLAN

CLIENT
WASHINGTON
GAS LIGHT
COMPANY

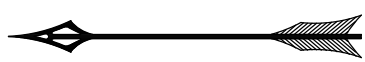
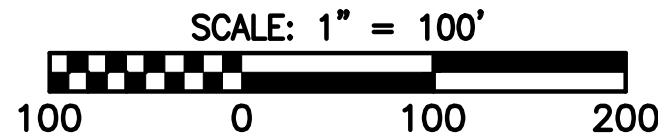
PROJECT
PRINCE GEORGE'S COUNTY AND
DISTRICT OF COLUMBIA
RELIABILITY AND
REINFORCEMENT PROJECT

ISSUING OFFICE: Pittsburgh | 985 E. Waterfront Drive, Homestead, PA 15120
GAI CAD FILE PATH: Z:\Energy\2013\131838\00 - WBL - Ship 12 Land Acquis\GAI\Production Drawing\TCP2-2\131838-05-001-C-003.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dtb

REVISION RECORD		NO.:	DATE:	DWN:	CHK:	APV:	DESCRIPTION:
26 OF 39							
GAI FILE NUMBER:		C131838-05-001-00-C-023					
ALT./CLIENT DRAWING NUMBER:							
GAI DRAWING NUMBER:		026					



WOODLAND CLEARING	
ACRES	TCP2 CASE NUMBER
0.02	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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 - EXISTING WATERLINE VALVE
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 - SPECIMEN TREE AND CRITICAL ROOT ZONE TO BE SAVED
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 - 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
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 - PROPOSED TIMBER MATTING
 - PROPOSED WATERBAR
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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				
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04				
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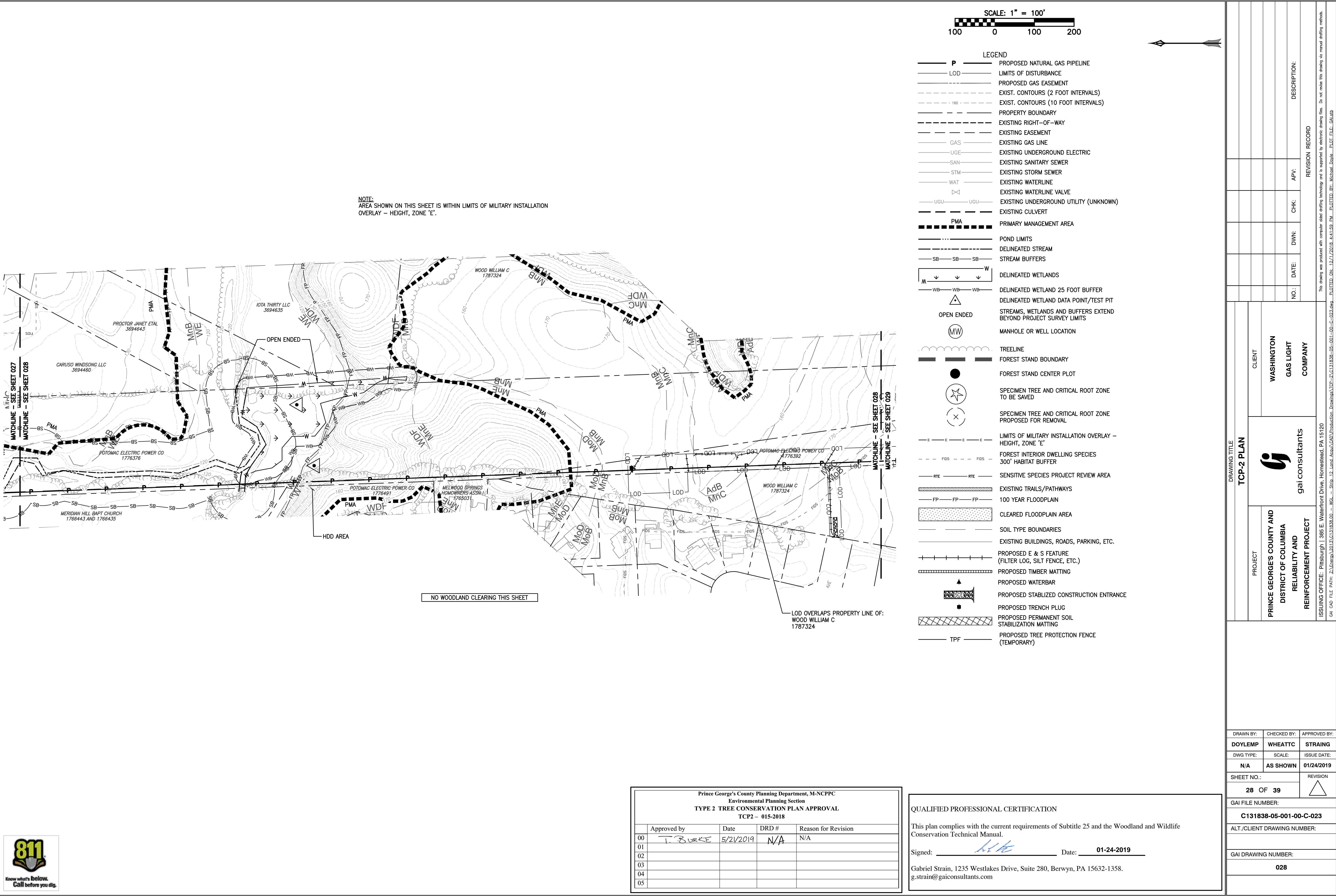
QUALIFIED PROFESSIONAL CERTIFICATION

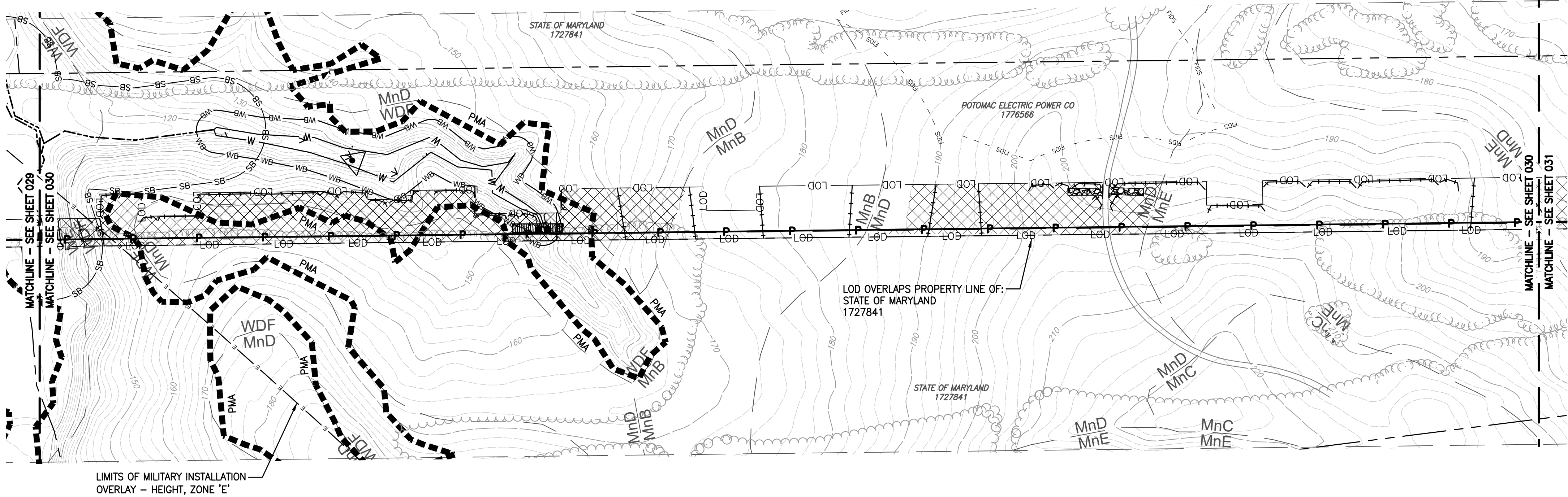
This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: G. Strain Date: 01-24-2019

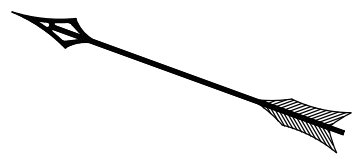
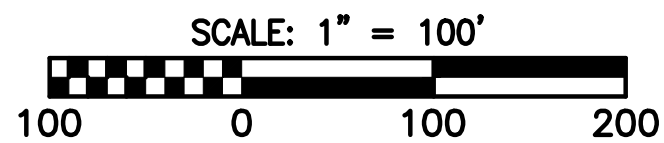
Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

DRAWING TITLE TCP-2 PLAN		CLIENT WASHINGTON GAS LIGHT COMPANY	PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 985 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-023.dwg PLOT FILE: 024.dwg	
PROJECT		CLIENT		REVISION RECORD		
NO.:		DATE:		DWN:		
APV:		CHK:		DESCRIPTION:		
27 OF 39		GAI FILE NUMBER:		C131838-05-001-00-C-023		
ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER:		027		





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



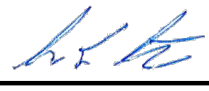
- LEGEND
- P** PROPOSED NATURAL GAS PIPELINE
 - LOD** LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
 - EXIST. CONTOURS (2 FOOT INTERVALS)
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 - PROPOSED TREE PROTECTION FENCE (TEMPORARY)



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				
02				
03				
04				
05				

QUALIFIED PROFESSIONAL CERTIFICATION

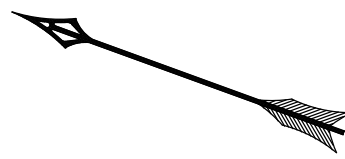
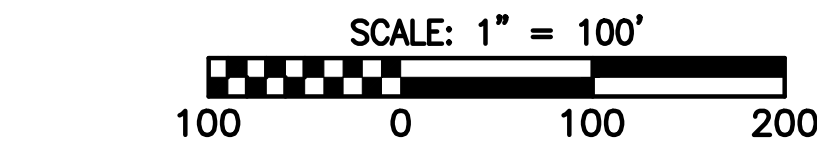
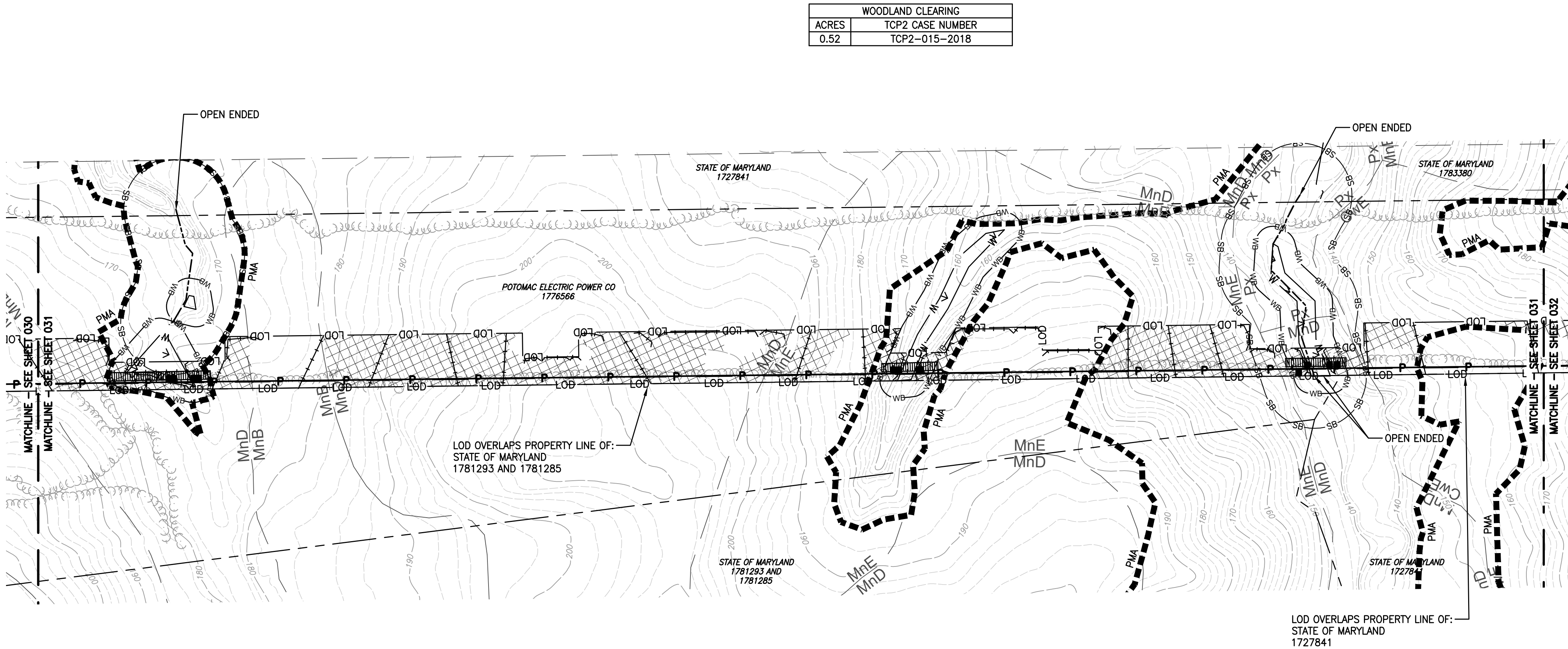
This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed:  Date: **01-24-2019**

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

DRAWING TITLE		CLIENT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		APV: _____	
PROJECT		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		NO.: _____	
ISSUING OFFICE: Pittsburgh 985 E. Waterfront Drive, Homestead, PA 15120		gai consultants		DWN: _____	
GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-003.dwg		GAI FILE NUMBER: C131838-05-001-00-C-023		DATE: _____	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC		APV: _____	
DWG TYPE: N/A		SCALE: AS SHOWN		DWN: _____	
SHEET NO.: 30 OF 39		ISSUE DATE: 01/24/2019		NO.: _____	
ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 030		DESCRIPTION: _____	

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.



- LEGEND
- P PROPOSED NATURAL GAS PIPELINE
 - LOD LIMITS OF DISTURBANCE
 - PROPOSED GAS EASEMENT
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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	
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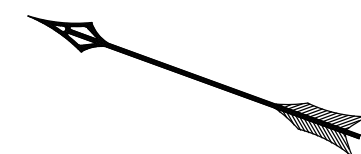
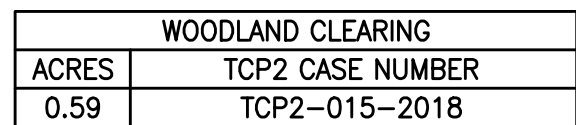
QUALIFIED PROFESSIONAL CERTIFICATION


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


Signed:  Date: 01-24-2019

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: DWN: CHK: APV: DESCRIPTION:	
ISSUING OFFICE: Pittsburgh 985 E. Waterfront Drive, Homestead, PA 15120		GAI		gai consultants		This drawing was produced with computer aided drafting technology and is supported by electronic drawing files. Do not make the drawing via manual drafting methods.	
GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-C-031.dwg		GAI CAD FILE NAME: 12_Land_Acqui\GAI\2013\G131838-05-001-C-031.dwg		GAI CAD FILE NAME: 12_Land_Acqui\GAI\2013\G131838-05-001-C-031.dwg		PLOT FILE: GAI.dwg	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC		APPROVED BY: STRAING			
DWG TYPE: N/A		SCALE: AS SHOWN		ISSUE DATE: 01/24/2019			
SHEET NO.: 31 OF 39		REVISION					
GAI FILE NUMBER: C131838-05-001-00-C-031		ALT./CLIENT DRAWING NUMBER:					
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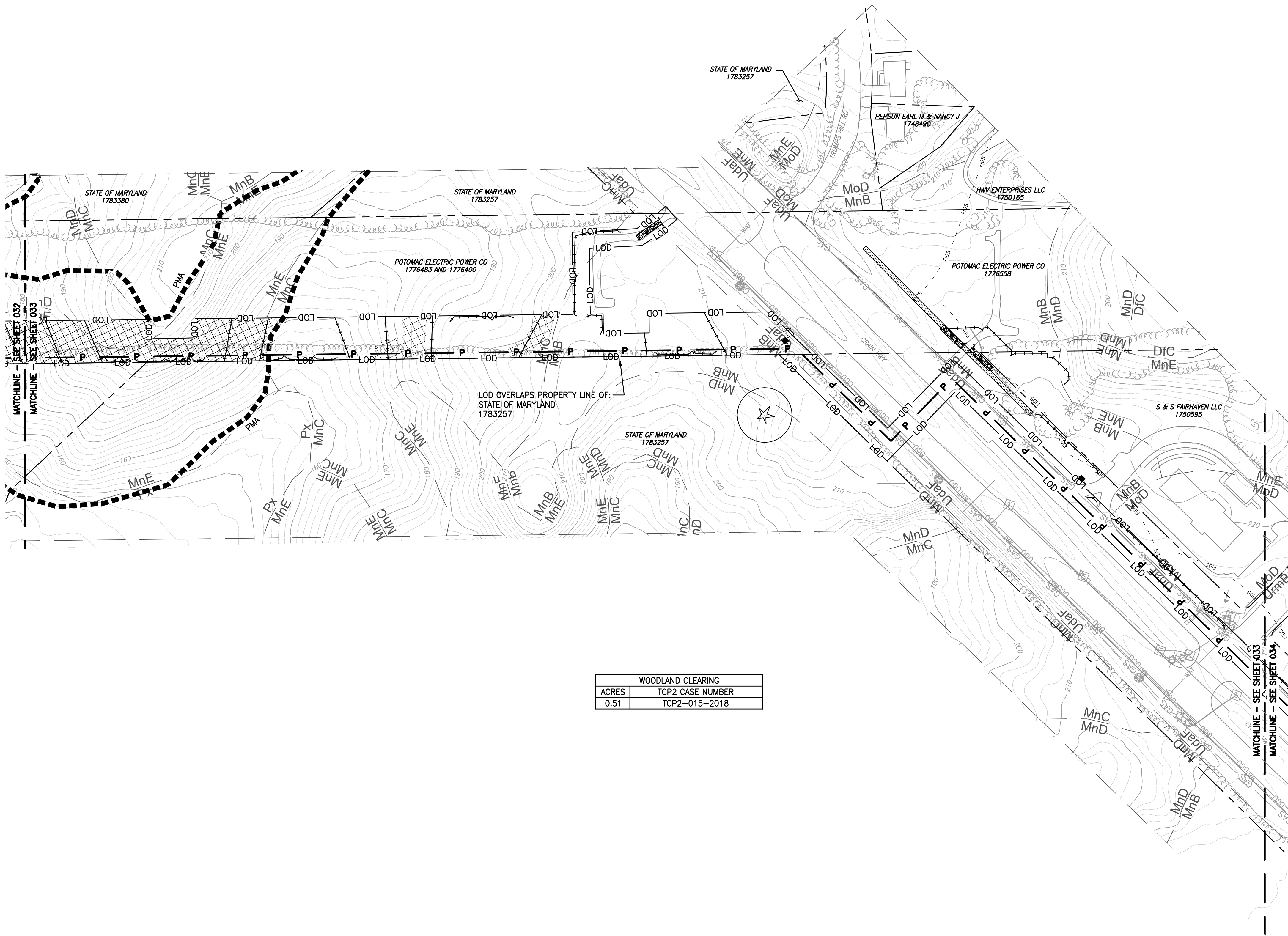


- QUALIFIED PROFESSIONAL CERTIFICATION
- This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.
- Signed:  Date: **01-24-2019**
- Gabriel Strain, 1235 Westlakes Drive, Suite 280, Berwyn, PA 15632-1358.
g.strain@gaiconsultants.com

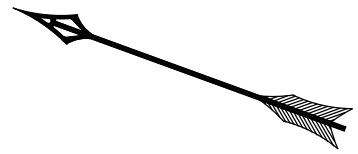
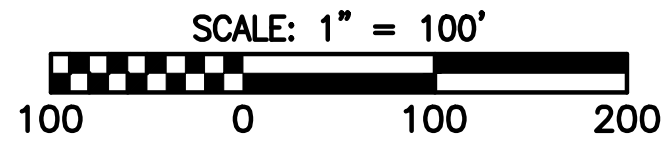
DRAWING TITLE	
TCP-2 PLAN	
PROJECT	 gai consultants
PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT	<div>WASHINGTON</div> <div>GAS LIGHT</div> <div>COMPANY</div> <div>CLIENT</div>
ISSUING OFFICE: Pittsburgh 385 E. Waterfront Drive, Homestead, PA 15120	

GAI FILE NUMBER:	
C131838-05-001-00-C-031	
ALT./CLIENT DRAWING NUMBER:	
GAI DRAWING NUMBER:	
032	

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	<i>L. Burke</i>	5/21/2019	N/A	N/A
01				
02				
03				
04				
05				



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
 - WAT 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				
02				
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05				

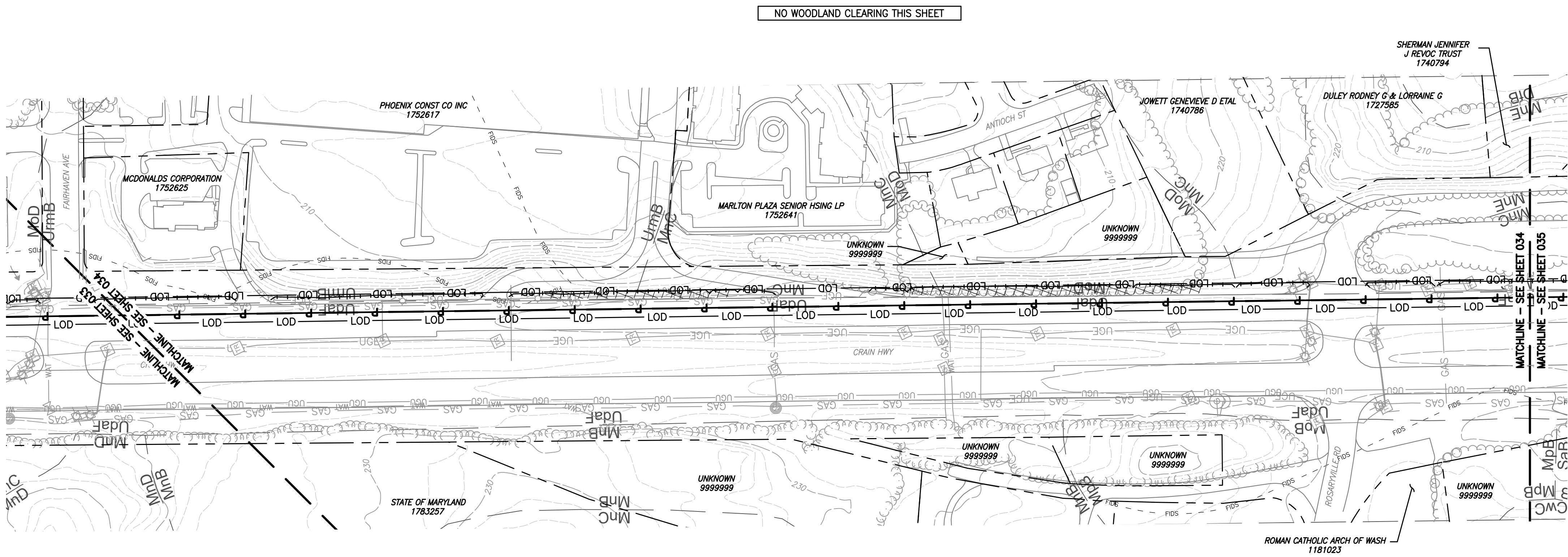
QUALIFIED PROFESSIONAL CERTIFICATION

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

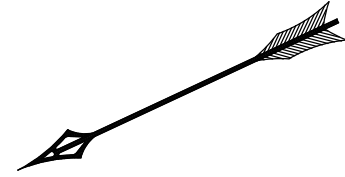
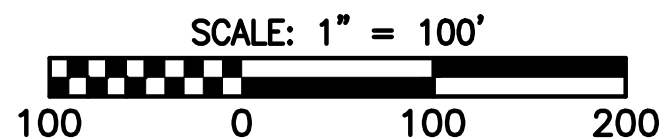
Signed: [Signature] Date: 01-24-2019

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	PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 985 E. Waterfront Drive, Homestead, PA 15120 GAI CAD FILE PATH: Z:\Energy\2013\CI131838-05-001-C-031.dwg - WBL - Sheet 12 Land Acquis\CAD\Production - Drawings\TCP-2\CI131838-05-001-C-031.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: GAI.dts	
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NO.:		DATE:	DWN:	CHK:	APV:	
DESCRIPTION:						
DRAWN BY:		CHECKED BY:	APPROVED BY:			
DOYLEMP		WHEATTC	STRAING			
DWG TYPE:		SCALE:	ISSUE DATE:			
N/A		AS SHOWN	01/24/2019			
SHEET NO.:		REVISION				
33 OF 39						
GAI FILE NUMBER:		C131838-05-001-00-C-031				
ALT./CLIENT DRAWING NUMBER:						
GAI DRAWING NUMBER:		033				



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
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 - EXISTING EASEMENT
 - GAS EXISTING GAS LINE
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 - SAN EXISTING SANITARY SEWER
 - STM EXISTING STORM SEWER
 - WAT EXISTING WATERLINE
 - EXISTING WATERLINE VALVE
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 - PMA** PRIMARY MANAGEMENT AREA
 - POND LIMITS
 - DELINEATED STREAM
 - STREAM BUFFERS
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 - MANHOLE OR WELL LOCATION
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 - FOREST STAND BOUNDARY
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 - 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				
02				
03				
04				
05				

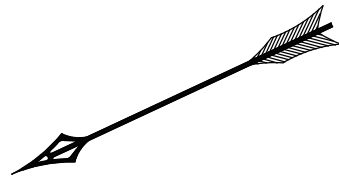
QUALIFIED PROFESSIONAL CERTIFICATION












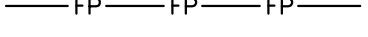
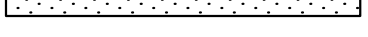

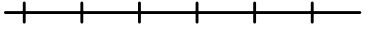

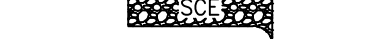
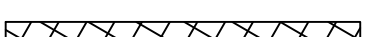







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Signed: G. Strain Date: 01-24-2019

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	PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		ISSUING OFFICE: Pittsburgh 986 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\CAD\Production Drawings\TCP-2\131838-05-001-00-C-031.dwg - PLOTTED BY: Michael Doyle - PLOT FILE: 031.dwg	
PROJECT		PROJECT		REVISION RECORD		
PROJECT		PROJECT		NO.:		
PROJECT		PROJECT		DATE:		
PROJECT		PROJECT		DWN:		
PROJECT		PROJECT		CHK:		
PROJECT		PROJECT		APV:		
PROJECT		PROJECT		DESCRIPTION:		
PROJECT		PROJECT		REVISION		
PROJECT		PROJECT		34 OF 39		
PROJECT		PROJECT		GAI FILE NUMBER:		
PROJECT		PROJECT		C131838-05-001-00-C-031		
PROJECT		PROJECT		ALT./CLIENT DRAWING NUMBER:		
PROJECT		PROJECT		GAI DRAWING NUMBER:		
PROJECT		PROJECT		034		



- | | |
|---|---|
|  | 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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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			
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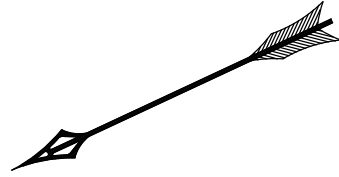
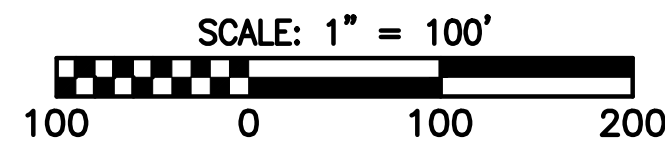
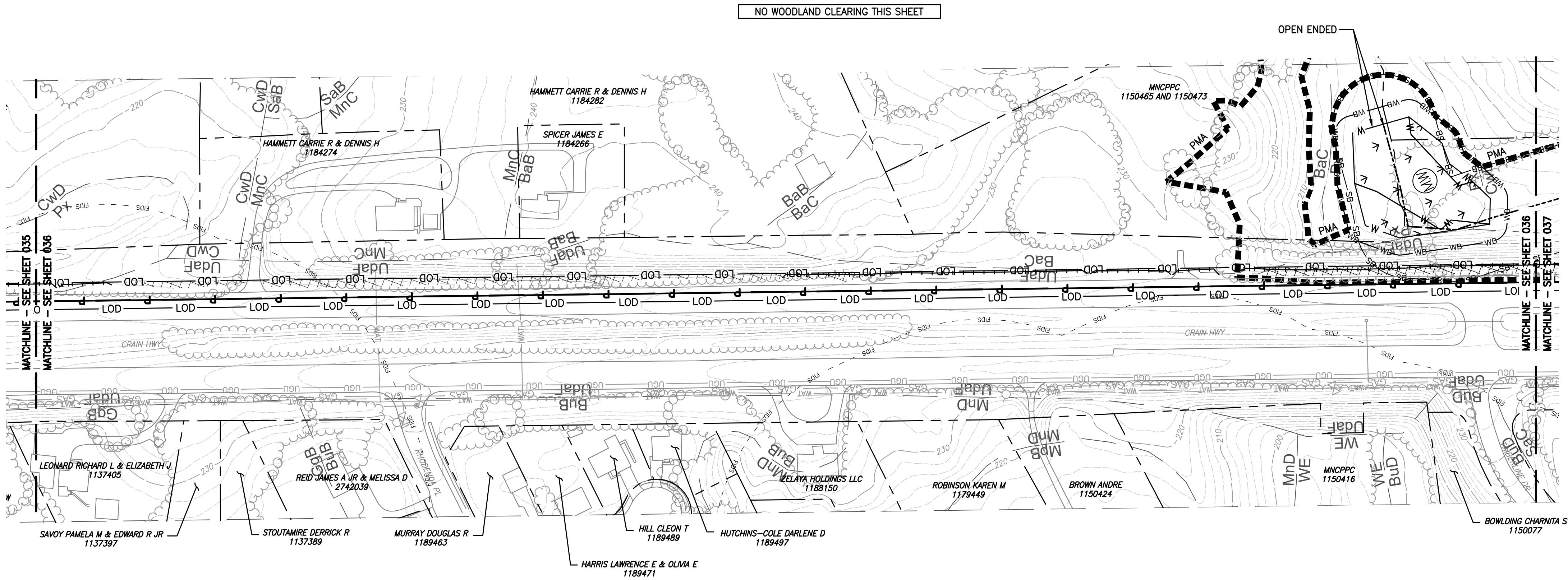
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ALT./CLIENT DRAWING NUMBER:
GAI DRAWING NUMBER:
035

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	<i>L. Burke</i>	5/21/2019	N/A	N/A
01				
02				
03				
04				
05				

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

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





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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				
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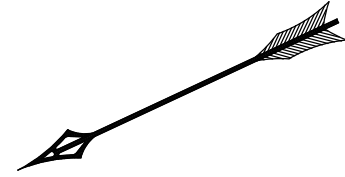
QUALIFIED PROFESSIONAL CERTIFICATION

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Signed: G. Strain Date: 01-24-2019


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

DRAWING TITLE		CLIENT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		NO. DATE DWN CHK APV DESCRIPTION	
PROJECT		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		NO. DATE DWN CHK APV DESCRIPTION	
ISSUING OFFICE: Pittsburgh 985 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\CAD\Production Drawings\TCP2-2\131838-05-001-00-C-031.dwg					
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DOYLEMP		WHEATTC		STRAING	
DWG TYPE:		SCALE:		ISSUE DATE:	
N/A		AS SHOWN		01/24/2019	
SHEET NO.:		36 OF 39		REVISION	
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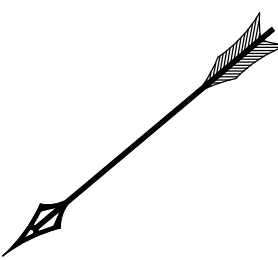
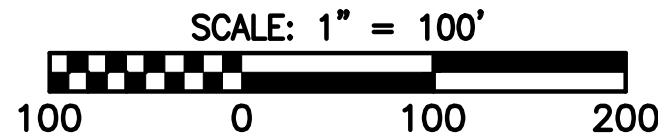
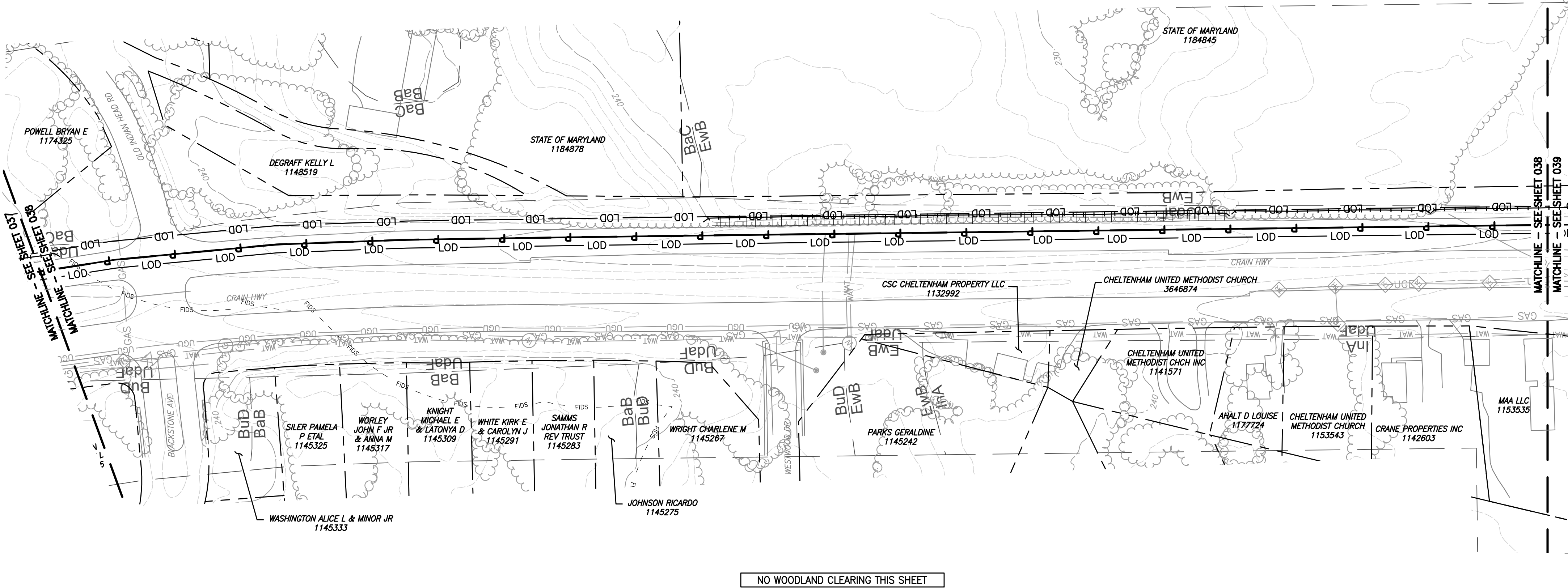


QUALIFIED PROFESSIONAL CERTIFICATION

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Signed:  Date: **01-24-2019**

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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	
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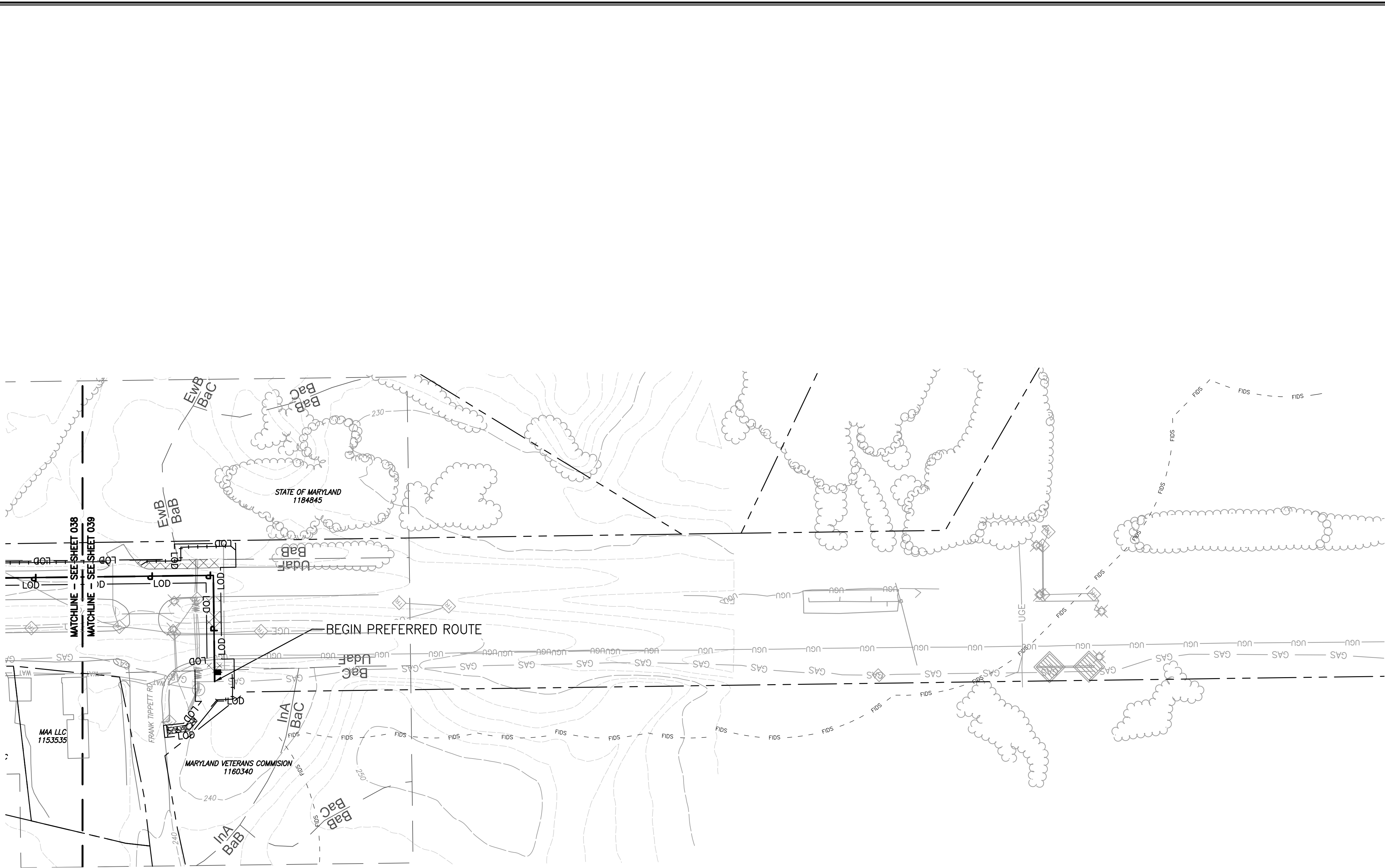
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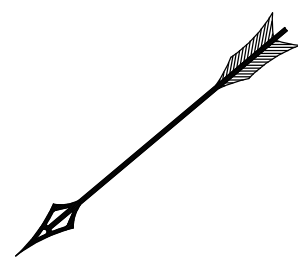
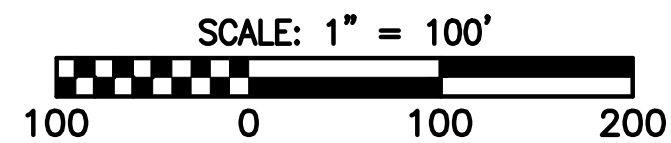
Signed: G. Strain Date: 01-24-2019

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

DRAWING TITLE		CLIENT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		APV: _____	
PROJECT		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		DWN: _____	
ISSUING OFFICE: Pittsburgh 985 E. Waterfront Drive, Homestead, PA 15120		gai consultants		NO.: _____	
GAI CAD FILE PATH: Z:\Energy\2013\13181838-00-00-C-001.dwg		13181838-00-00-C-001.dwg		DATE: _____	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC		APPROVED BY: STRAING	
DWG TYPE: N/A		SCALE: AS SHOWN		ISSUE DATE: 01/24/2019	
SHEET NO.: 38 OF 39		REVISION		1	
GAI FILE NUMBER: C131838-05-001-00-C-031		ALT./CLIENT DRAWING NUMBER:			
GAI DRAWING NUMBER: 038					



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 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 <i>T. BURKE</i>	5/21/2019	N/A	N/A
01			
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: **01-24-2019**

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

DRAWING TITLE		CLIENT		REVISION RECORD	
TCP-2 PLAN		WASHINGTON GAS LIGHT COMPANY		APV: _____	
PROJECT		PRINCE GEORGE'S COUNTY AND DISTRICT OF COLUMBIA RELIABILITY AND REINFORCEMENT PROJECT		DWN: _____	
ISSUING OFFICE: Pittsburgh 985 E. Waterfront Drive, Homestead, PA 15120		GAI CAD FILE PATH: Z:\Energy\2013\G131838-05-001-00-C-031.dwg		NO.: _____	
DRAWN BY: DOYLEMP		CHECKED BY: WHEATTC		APPROVED BY: STRAING	
DWG TYPE: N/A		SCALE: AS SHOWN		ISSUE DATE: 01/24/2019	
SHEET NO.: 39 OF 39		REVISION		_____	
GAI FILE NUMBER: C131838-05-001-00-C-031		ALT./CLIENT DRAWING NUMBER:		GAI DRAWING NUMBER: 039	