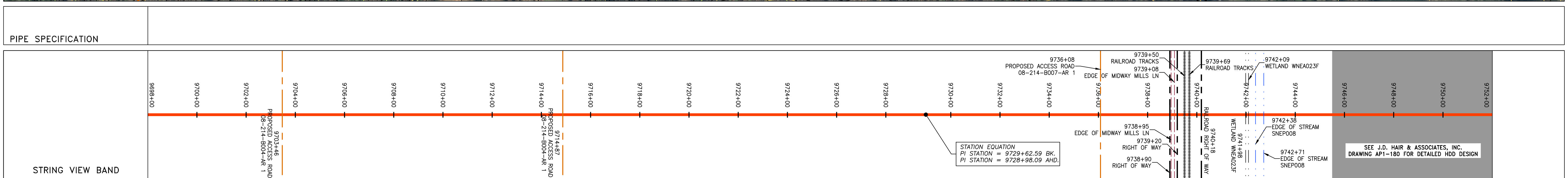
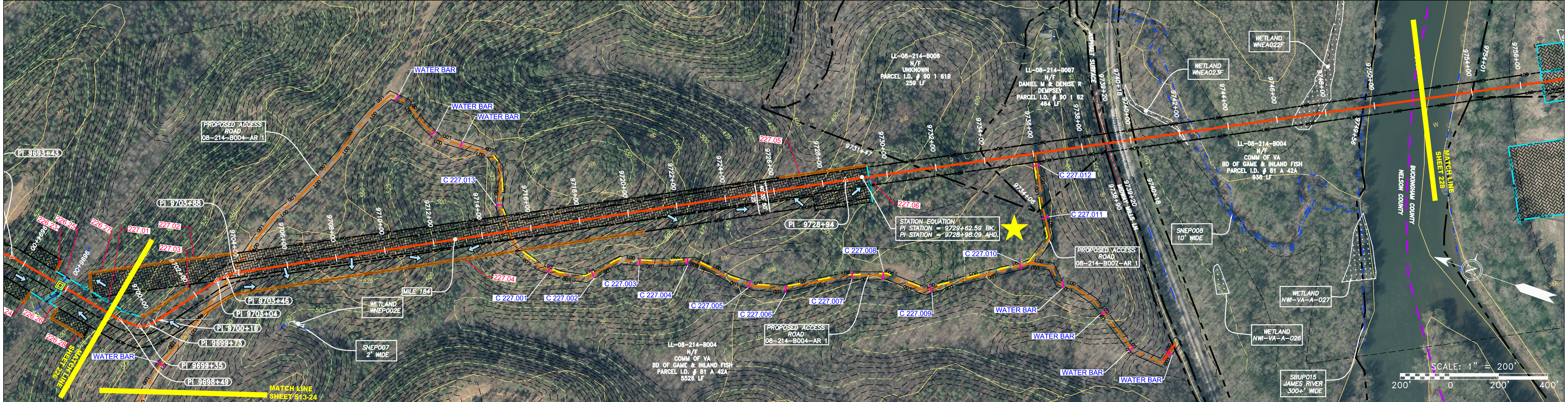


STATION	PROPERTY OWNERSHIP
9698+00	
9700+00	
9702+00	
9704+00	
9706+00	
9708+00	
9710+00	
9712+00	
9714+00	
9716+00	
9718+00	
9720+00	
9722+00	
9724+00	
9726+00	
9728+00	
9730+00	
9732+00	
9734+00	
9736+00	
9738+00	
9740+00	
9742+00	
9744+00	
9746+00	
9748+00	
9750+00	
9752+00	



LEGEND

	PROPERTY LINE		STORM SEWER		EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA
	FENCE		UNDERGROUND ELECTRIC		AREA OF NO DISTURBANCE		PROPOSED TEMPORARY R.O.W.
	STREAM		WATER LINE		WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		UTILITY POLE
	EXISTING GAS PIPELINE		SANITARY SEWER	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).			
	OVERHEAD UTILITY LINES		EDGE OF GRAVEL		PERMANENT WATERBAR/SLOPE BREAKER		TEMPORARY WATERBAR/SLOPE BREAKER
	ACCESS ROAD		PROPOSED PERMANENT EASEMENT		STREAM CROSSING		USFWS STREAM CROSSING WITH ENHANCED CONTROLS
	PROPOSED GAS PIPELINE		PROPOSED GAS PIPELINE (NO GROUND SURVEY)		SLOPE DIRECTION		CONSTRUCTION ENTRANCE WITH DITCH
					CULVERT AS NEEDED		CULVERT WATERBAR

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W, 11 07 30 W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENT CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
- EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE; DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.
- THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.4.S FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.4.S. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.

REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

PROFESSIONAL ENGINEER
Daniel R. Goldstein
 Lic. No. 047436

ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

CONSTRUCTION ALIGNMENT STA 9698+00 TO 9752+00
 NELSON - BUCKINGHAM COUNTY, VIRGINIA

SCALE: AS SHOWN
 DATE: 5/15/17
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET

gai consultants

SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, VA 15317
 724-873-3545

PROJECT NO./DASH NO.
140468

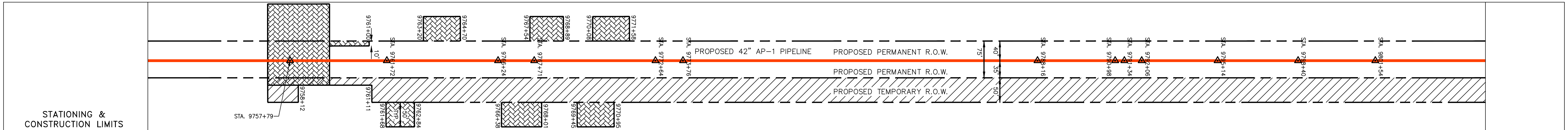
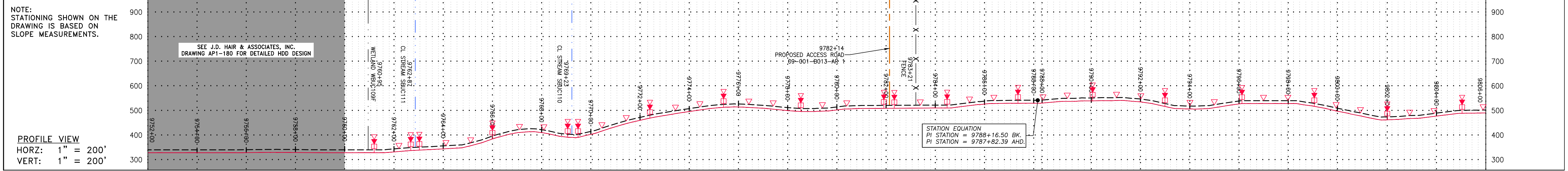
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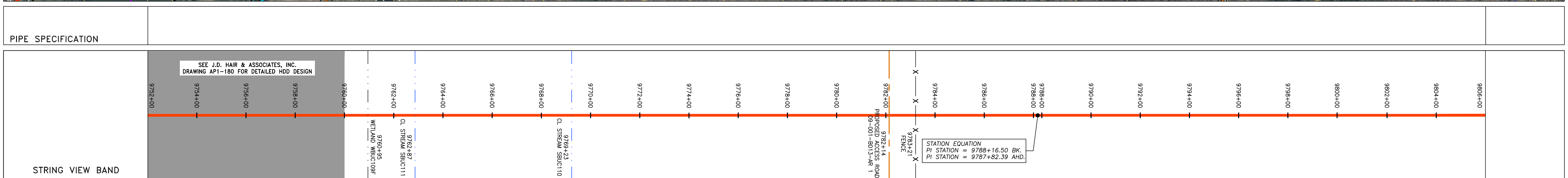
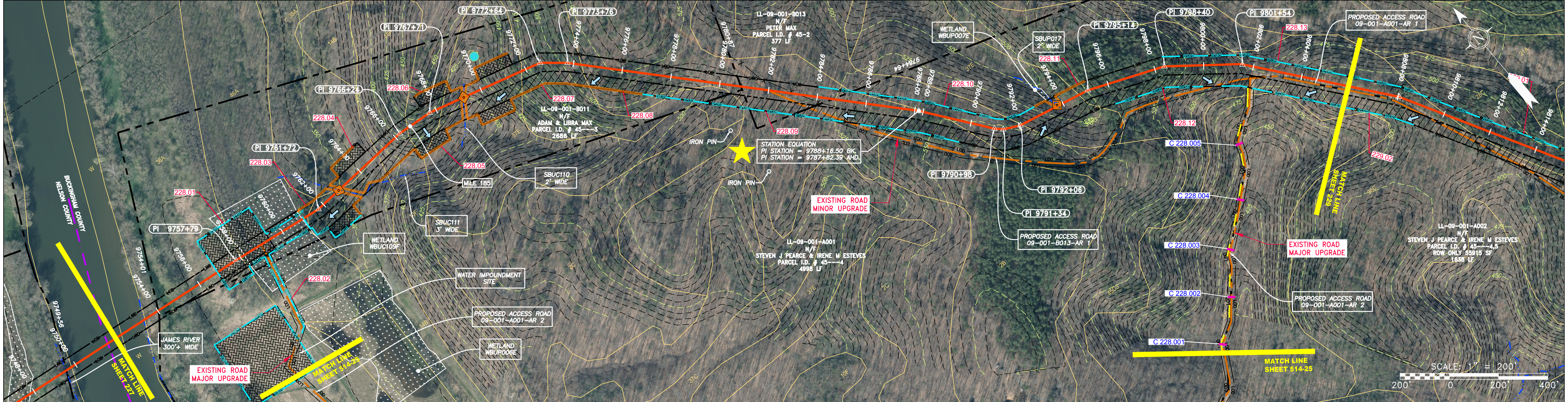
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GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 4\SEC 4 SHEETS - 228-233 (22-26).DWG

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PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
9752+00 to 9757+79	9752+00 to 9757+79
9757+79 to 9760+00	9757+79 to 9760+00
9760+00 to 9762+00	9760+00 to 9762+00
9762+00 to 9764+00	9762+00 to 9764+00
9764+00 to 9766+00	9764+00 to 9766+00
9766+00 to 9768+00	9766+00 to 9768+00
9768+00 to 9770+00	9768+00 to 9770+00
9770+00 to 9772+00	9770+00 to 9772+00
9772+00 to 9774+00	9772+00 to 9774+00
9774+00 to 9776+00	9774+00 to 9776+00
9776+00 to 9778+00	9776+00 to 9778+00
9778+00 to 9780+00	9778+00 to 9780+00
9780+00 to 9782+00	9780+00 to 9782+00
9782+00 to 9784+00	9782+00 to 9784+00
9784+00 to 9786+00	9784+00 to 9786+00
9786+00 to 9788+00	9786+00 to 9788+00
9788+00 to 9790+00	9788+00 to 9790+00
9790+00 to 9792+00	9790+00 to 9792+00
9792+00 to 9794+00	9792+00 to 9794+00
9794+00 to 9796+00	9794+00 to 9796+00
9796+00 to 9798+00	9796+00 to 9798+00
9798+00 to 9800+00	9798+00 to 9800+00
9800+00 to 9802+00	9800+00 to 9802+00
9802+00 to 9804+00	9802+00 to 9804+00
9804+00 to 9806+00	9804+00 to 9806+00



<p>LEGEND</p> <p>— X — X — FENCE</p> <p>— G — G — EXISTING GAS PIPELINE</p> <p>— OH — OH — OVERHEAD UTILITY LINES</p> <p>— — — — — ACCESS ROAD</p> <p>— — — — — PROPOSED GAS PIPELINE</p> <p>— E — E — STORM SEWER</p> <p>— W — W — WATER LINE</p> <p>— SAN — SAN — SANITARY SEWER</p> <p>— — — — — PROPOSED PERMANENT EASEMENT</p> <p>— — — — — PROPOSED GAS PIPELINE (NO GROUND SURVEY)</p>	<p>— — — — — EXTRA WORK SPACE</p> <p>— — — — — AREA OF NO DISTURBANCE</p> <p>— — — — — WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)</p> <p>— — — — — TOPSOIL SEGREGATION AREA</p> <p>— — — — — PROPOSED TEMPORARY R.O.W.</p> <p>— — — — — UTILITY POLE</p>	<p>▲ PERMANENT WATERBAR/SLOPE BREAKER</p> <p>▲ TEMPORARY WATERBAR/SLOPE BREAKER</p> <p>▲ TRENCH BREAKER/PLUG</p> <p>▲ STREAM CROSSING</p> <p>▲ USFWS STREAM CROSSING WITH ENHANCED CONTROLS</p> <p>▲ SEEP</p> <p>▲ SLOPE DIRECTION</p> <p>▲ CONSTRUCTION ENTRANCE WITH DITCH</p> <p>▲ CULVERT AS NEEDED</p> <p>▲ CULVERT WATERBAR</p>	<p>— LOD — LIMIT OF DISTURBANCE</p> <p>— BSRF — BELTED SILT RETENTION FENCE (BSRF)</p> <p>— — — — — COMPOST FILTER SOCK</p> <p>— — — — — SEDIMENT BARRIER IDENTIFICATION</p> <p>— — — — — CULVERT IDENTIFICATION</p> <p>— — — — — ORANGE SAFETY FENCE</p> <p>— — — — — ROADSIDE DITCH</p> <p>— — — — — SOIL TYPE</p> <p>— — — — — TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION</p>	<p>NOTES:</p> <p>1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.</p> <p>2. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.</p> <p>3. IMAGERY TAKEN FROM GOOGLE EARTH.</p> <p>4. THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.</p> <p>5. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.</p> <p>6. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.</p> <p>7. ALL STATIONING SHOWN IS SLOPE STATIONING.</p> <p>8. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.</p> <p>9. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.</p> <p>10. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.</p> <p>11. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE; DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.</p> <p>12. ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.</p> <p>13. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.A.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.A.5. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.</p>
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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 9752+00 TO 9806+00
 BUCKINGHAM COUNTY, VIRGINIA

ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE:	AS SHOWN
DATE:	3/24/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

gai consultants

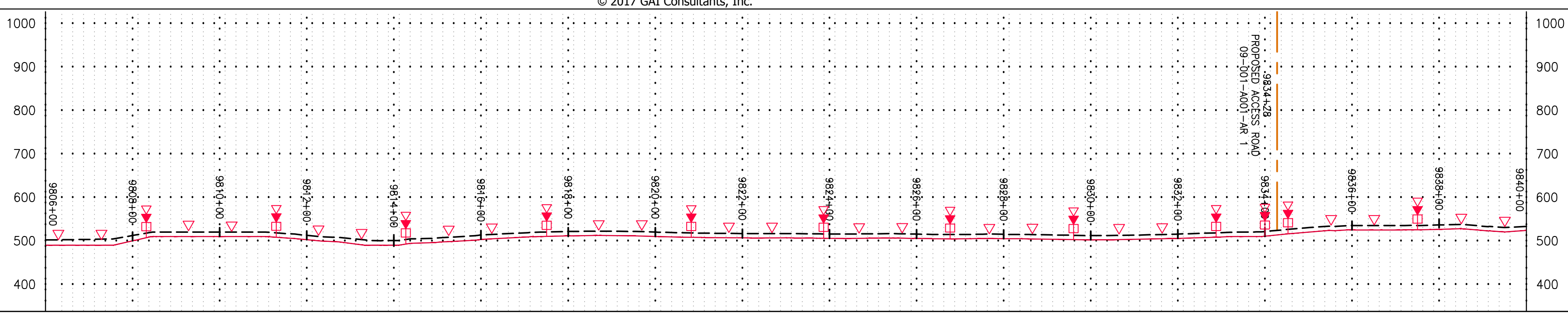
SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E228
228 OF 344	

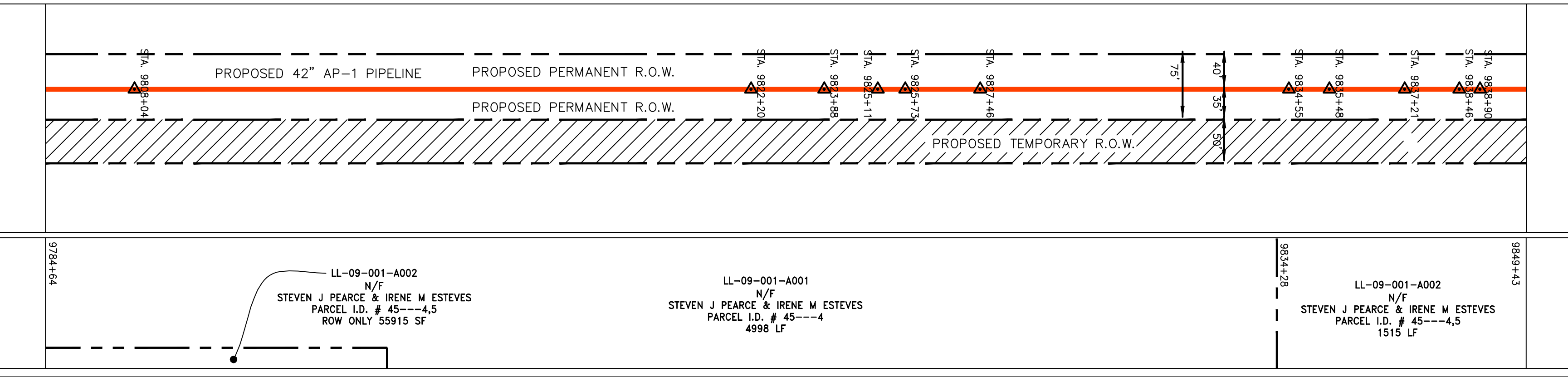
GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 4\SEC 4 SHEETS - 228-233 (22-26).DWG

NOTE:
STATIONING SHOWN ON THE
DRAWING IS BASED ON
SLOPE MEASUREMENTS.

PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



STATIONING &
CONSTRUCTION LIMITS

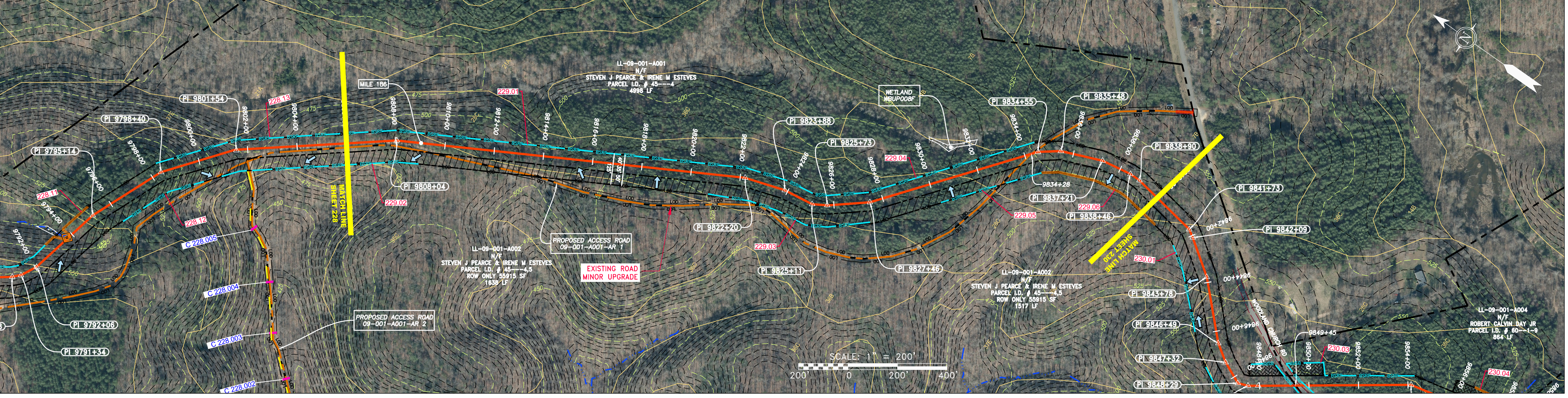


PROPERTY OWNERSHIP

LL-09-001-A002
N/F
STEVEN J PEARCE & IRENE M ESTEVES
PARCEL I.D. # 45---4,5
ROW ONLY 55915 SF

LL-09-001-A001
N/F
STEVEN J PEARCE & IRENE M ESTEVES
PARCEL I.D. # 45---4
4998 LF

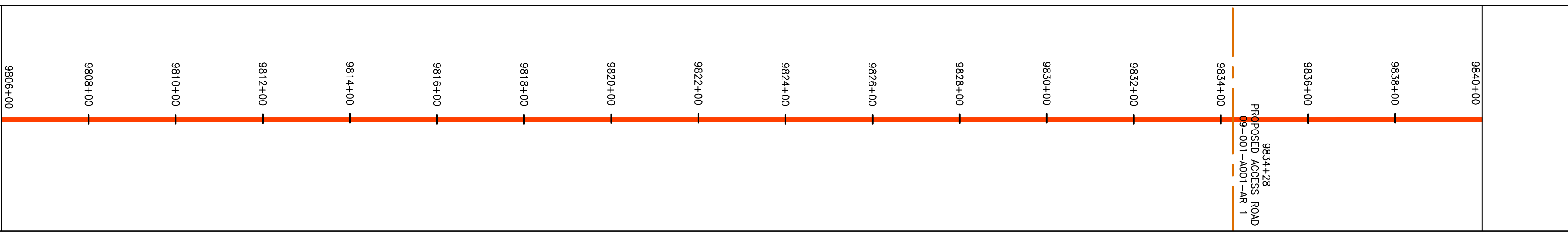
LL-09-001-A002
N/F
STEVEN J PEARCE & IRENE M ESTEVES
PARCEL I.D. # 45---4,5
1515 LF



PIPE SPECIFICATION

9866+00	9868+00	9870+00	9872+00	9874+00	9876+00	9878+00	9880+00	9882+00	9884+00	9886+00	9888+00	9890+00	9892+00	9894+00	9896+00	9898+00	9900+00
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STRING VIEW BAND



LEGEND

	PROPERTY LINE		STORM SEWER		EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA
	FENCE		UNDERGROUND ELECTRIC		AREA OF NO DISTURBANCE		PROPOSED TEMPORARY R.O.W.
	STREAM		WATER LINE		WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		UTILITY POLE
	EXISTING GAS PIPELINE		SANITARY SEWER		EDGE OF GRAVEL		
	OVERHEAD UTILITY LINES		PROPOSED PERMANENT EASEMENT				
	ACCESS ROAD		PROPOSED GAS PIPELINE				
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)						

PERMANENT WATERBAR/SLOPE BREAKER

TEMPORARY WATERBAR/SLOPE BREAKER

TRENCH BREAKER/PLUG

STREAM CROSSING

USFWS STREAM CROSSING WITH ENHANCED CONTROLS

SEEP

SLOPE DIRECTION

CONSTRUCTION ENTRANCE WITH DITCH

CULVERT AS NEEDED

CULVERT WATERBAR

LOD

BSRF

COMPOST FILTER SOCK

SEDIMENT BARRIER IDENTIFICATION

ORANGE SAFETY FENCE

ROADSIDE DITCH

SOIL TYPE

TYPICAL BIG SLOPE CATEGORY

SLOPE INCLINATION

LIMIT OF DISTURBANCE

BELTED SILT RETENTION FENCE (BSRF)

COMPOST FILTER SOCK

SEDIMENT BARRIER IDENTIFICATION

ORANGE SAFETY FENCE

ROADSIDE DITCH

SOIL TYPE

TYPICAL BIG SLOPE CATEGORY

SLOPE INCLINATION

PERMANENT WATERBAR/SLOPE BREAKER

TEMPORARY WATERBAR/SLOPE BREAKER

TRENCH BREAKER/PLUG

STREAM CROSSING

USFWS STREAM CROSSING WITH ENHANCED CONTROLS

SEEP

SLOPE DIRECTION

CONSTRUCTION ENTRANCE WITH DITCH

CULVERT AS NEEDED

CULVERT WATERBAR

LOD

BSRF

COMPOST FILTER SOCK

SEDIMENT BARRIER IDENTIFICATION

ORANGE SAFETY FENCE

ROADSIDE DITCH

SOIL TYPE

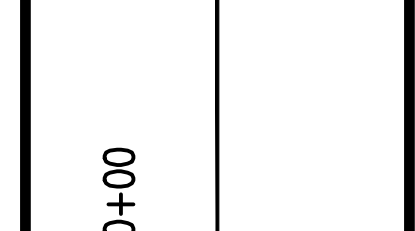
TYPICAL BIG SLOPE CATEGORY

SLOPE INCLINATION

NOTES:

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NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION



42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 9806+00 TO 9840+00
BUCKINGHAM COUNTY, VIRGINIA

ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE: AS SHOWN
DATE: 5/15/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

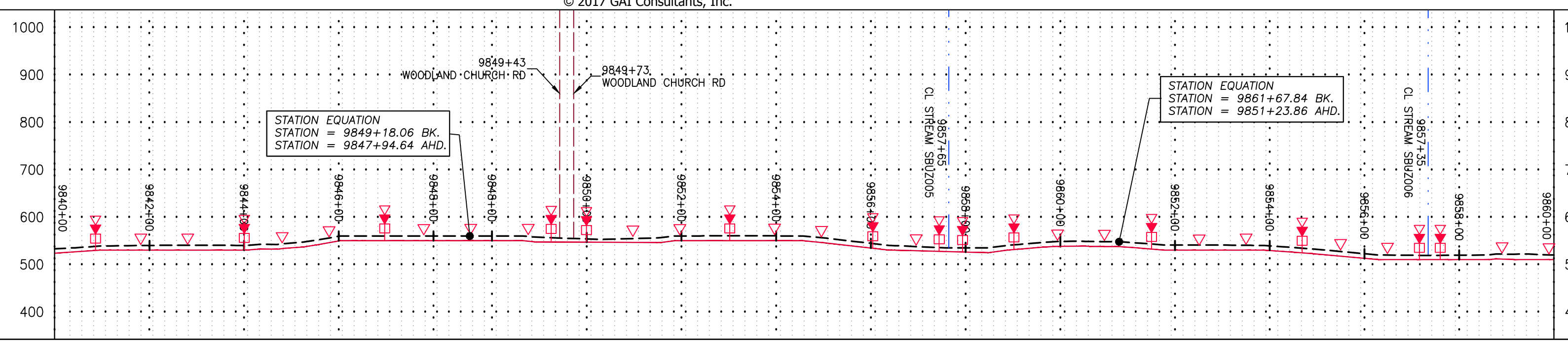


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TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E228
229 OF 344	

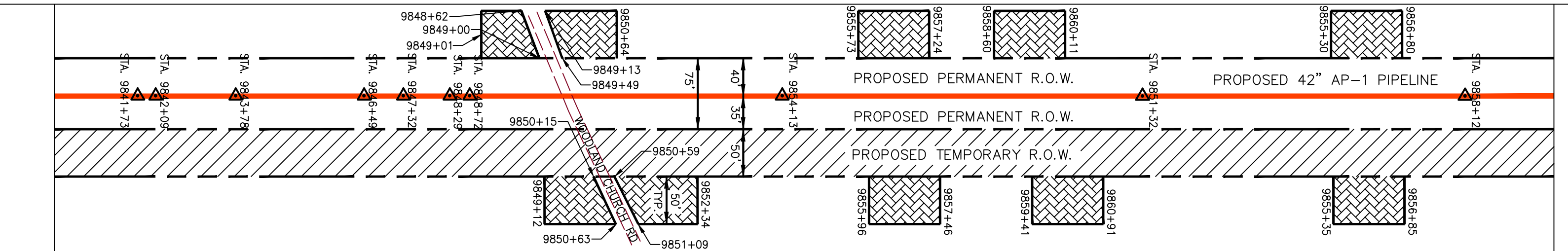
GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GAI, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 4\SEC 4 SHEETS - 228-233 (22-26).DWG

NOTE:
STATIONING SHOWN ON THE
DRAWING IS BASED ON
SLOPE MEASUREMENTS.

PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'

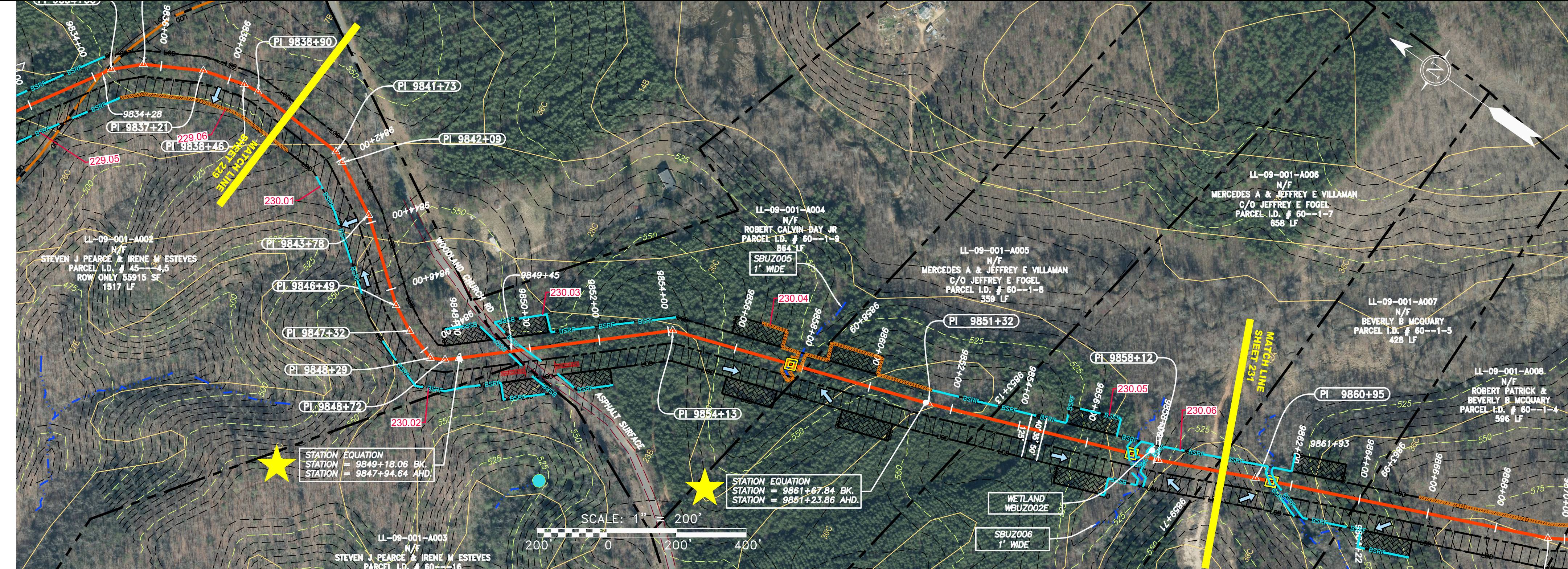


STATIONING &
CONSTRUCTION LIMITS



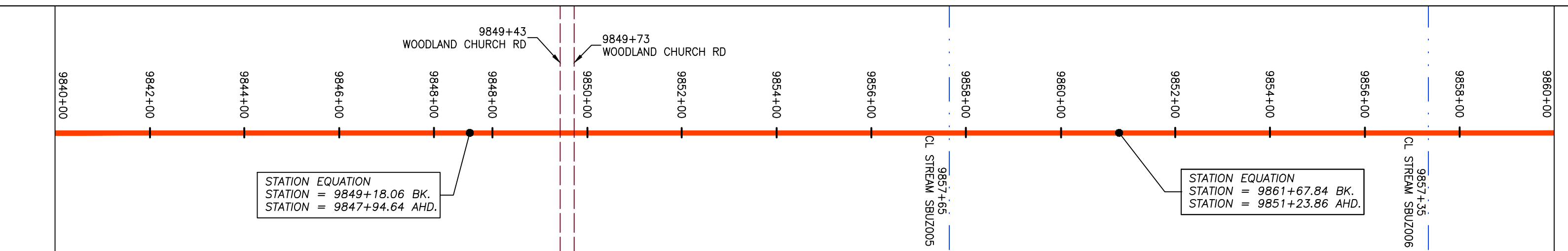
PROPERTY OWNERSHIP

9834+28	LL-09-001-A002 N/F STEVEN J PEARCE & IRENE M ESTEVES PARCEL I.D. # 45--4.5 1517 LF	9849+00	LL-09-001-A003 N/F STEVEN J PEARCE & IRENE M ESTEVES PARCEL I.D. # 60--16 ROW ONLY 12745 SF	9854+00	LL-09-001-A004 N/F ROBERT CALVIN DAY JR PARCEL I.D. # 60--1-9 864 LF	9859+00	LL-09-001-A005 N/F MERCEDES A & JEFFREY E VILLAMAN C/O JEFFREY E FOGEL PARCEL I.D. # 60--1-8 359 LF	9864+00	LL-09-001-A006 N/F MERCEDES A & JEFFREY E VILLAMAN C/O JEFFREY E FOGEL PARCEL I.D. # 60--1-7 658 LF	9869+00	LL-09-001-A007 N/F BEVERLY B MCCUARY PARCEL I.D. # 60--1-5 428 LF
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PIPE SPECIFICATION

STRING VIEW BAND



LEGEND

	PROPERTY LINE		STORM SEWER		EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA
	FENCE		UNDERGROUND ELECTRIC		AREA OF NO DISTURBANCE		PROPOSED TEMPORARY R.O.W.
	STREAM		WATER LINE		WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		UTILITY POLE
	EXISTING GAS PIPELINE		SANITARY SEWER	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).			
	OVERHEAD UTILITY LINES		EDGE OF GRAVEL		PERMANENT WATERBAR BREAKER		LIMIT OF DISTURBANCE
	ACCESS ROAD		PROPOSED PERMANENT EASEMENT		TEMPORARY WATERBAR/SLOPE BREAKER		BELTED SILT RETENTION FENCE (BSRF)
	PROPOSED GAS PIPELINE		PROPOSED GAS PIPELINE (NO GROUND SURVEY)		STREAM CROSSING		USFS STREAM CROSSING WITH ENHANCED CONTROLS
					SLOPE DIRECTION		CONSTRUCTION ENTRANCE WITH DITCH
					CULVERT AS NEEDED		CULVERT WATERBAR

	LOD		SEDIMENT BARRIER IDENTIFICATION
	BSRF		ORANGE SAFETY FENCE
	COMPOST FILTER SOCK		ROADSIDE DITCH
	111.03		SOIL TYPE
	C 111.001		TYPICAL BIG SLOPE CATEGORY
	A1(E)		SLOPE INCLINATION
	30-58		

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W, 11-07-2014.
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NO.	DATE	BY	CHKD.	APPVD.	DESCRIPTION

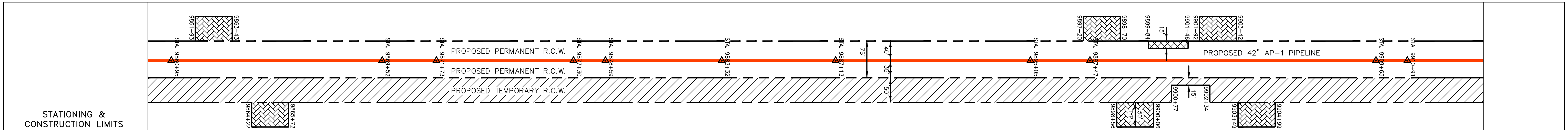
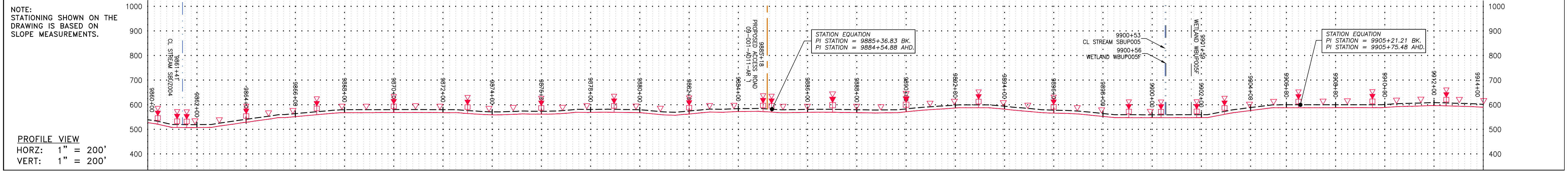
Daniel R. Goldstein
 PROFESSIONAL ENGINEER

ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

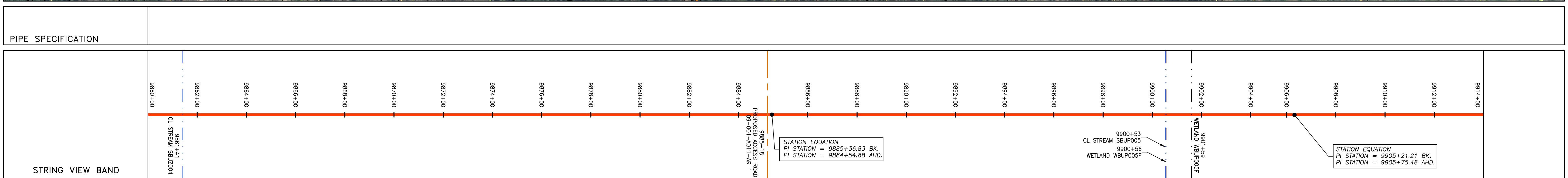
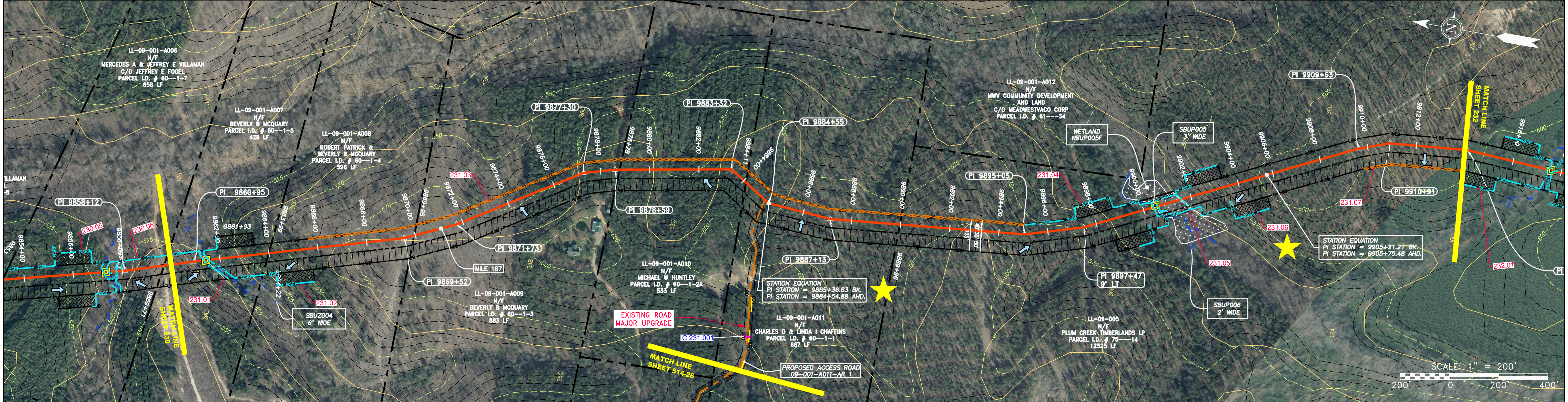
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DATE: 5/15/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLDG.
 CANONSBURG, PA 15317
 724-873-3545

PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E230
DRAWING NO.	230 OF 344	



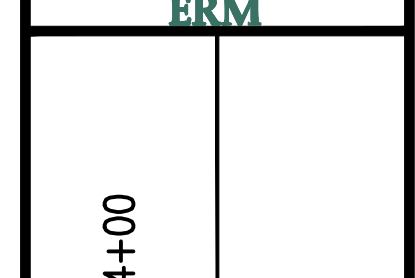
PROPERTY OWNERSHIP table with columns for parcel ID, owner name, and acreage.



LEGEND table defining symbols for property lines, fences, streams, gas pipelines, storm sewers, water lines, wetlands, and easements.

NOTES table detailing construction and environmental requirements, including erosion control and wetland protection.

REVISIONS table with columns for revision number, date, description, and approver.



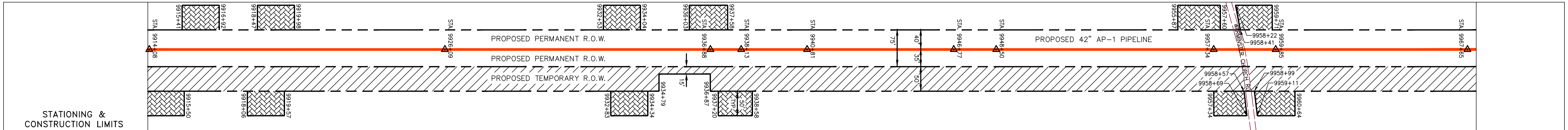
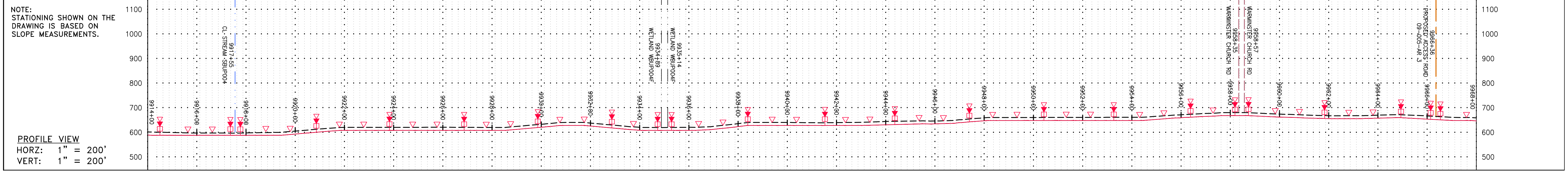
42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 9860+00 TO 9914+00
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE: AS SHOWN
DATE: 3/24/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET



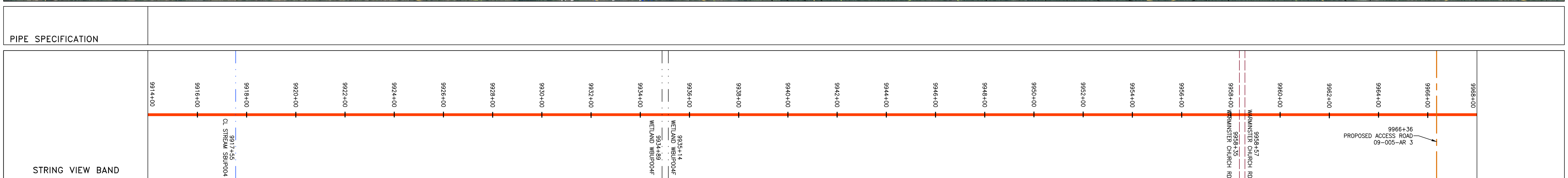
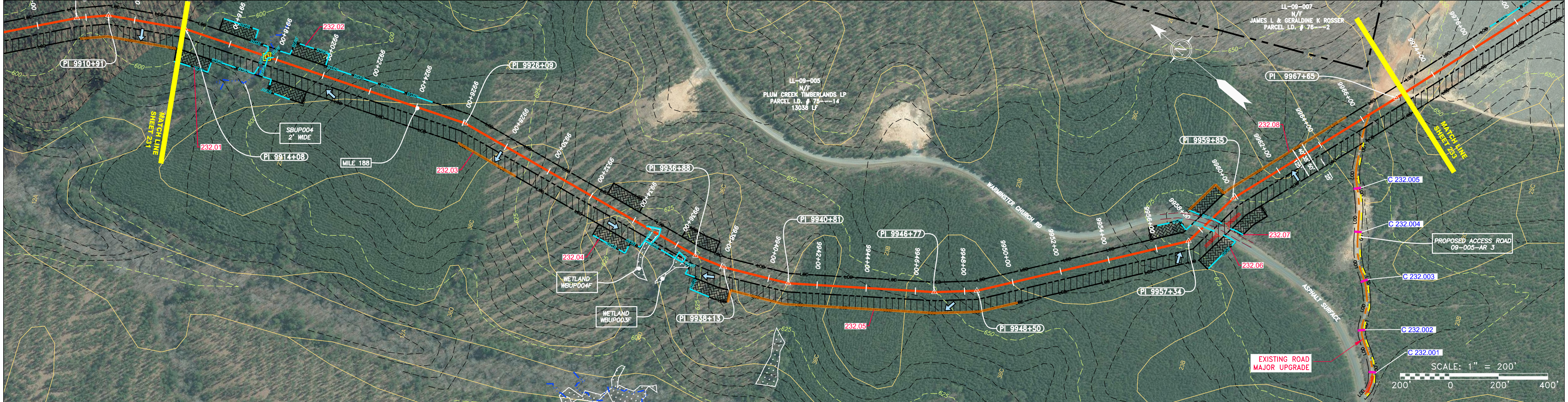
PROJECT NO./DASH NO. 140468
TASK NO. 005 SUB TASK NO. 00
GROUP ID D DRAWING NO. E231
231 OF 344

GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 4\SEC 4 SHEETS - 228-233 (22-26).DWG



PROPERTY OWNERSHIP

LL-09-005
N/T
PLUM CREEK TIMBERLANDS LP
PARCEL I.D. # 75--14
13038 LF



LEGEND

	PROPERTY LINE		STORM SEWER
	FENCE		UNDERGROUND ELECTRIC
	STREAM		WATER LINE
	EXISTING GAS PIPELINE		SANITARY SEWER
	OVERHEAD UTILITY LINES		EDGE OF GRAVEL
	ACCESS ROAD		PROPOSED PERMANENT EASEMENT
	PROPOSED GAS PIPELINE		PROPOSED GAS PIPELINE (NO GROUND SURVEY)
	EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA
	AREA OF NO DISTURBANCE		PROPOSED TEMPORARY R.O.W.
	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		UTILITY POLE

NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).

	PERMANENT WATERBAR/SLOPE BREAKER		LIMIT OF DISTURBANCE
	TEMPORARY WATERBAR/SLOPE BREAKER		BELTED SILT RETENTION FENCE (BSRF)
	TRENCH BREAKER/PLUG		COMPOST FILTER SOCK
	STREAM CROSSING		SEDIMENT BARRIER IDENTIFICATION
	USFWS STREAM CROSSING WITH ENHANCED CONTROLS		CULVERT IDENTIFICATION
	SLOPEWAY		ORANGE SAFETY FENCE
	SLOPE DIRECTION		ROADSIDE DITCH
	CONSTRUCTION ENTRANCE WITH DITCH		SOIL TYPE
	CULVERT AS NEEDED		TYPICAL BIG SLOPE CATEGORY
	CULVERT WATERBAR		SLOPE INCLINATION

NOTES:

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REVISIONS

NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 9914+00 TO 9968+00
BUCKINGHAM COUNTY, VIRGINIA

ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

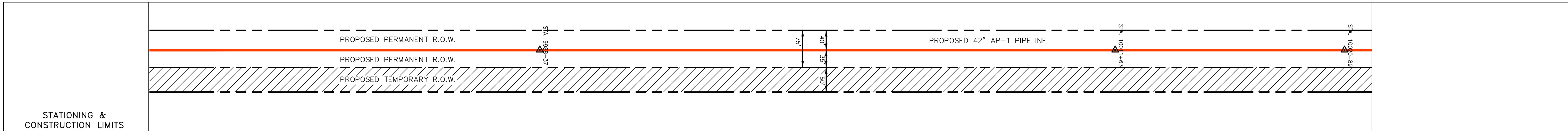
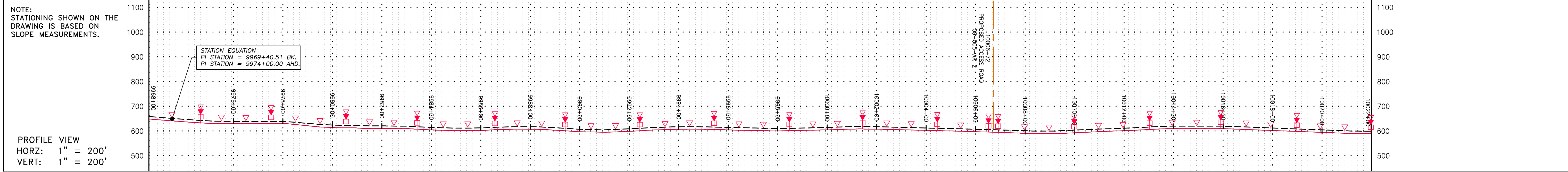
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DATE: 5/15/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET



PROJECT NO./DASH NO. 140468

TASK NO.	SUB TASK NO.
005	00
GROUP ID	DRAWING NO.
D	E232
232	OF 344

GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - MAPPING\SURVEY\DRAWING\SEC 4\SEC 4 SHEETS - 228-233 (22-26).DWG



STATIONING & CONSTRUCTION LIMITS

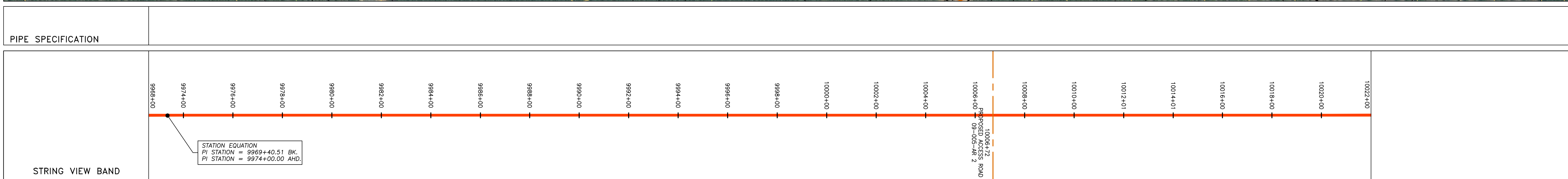
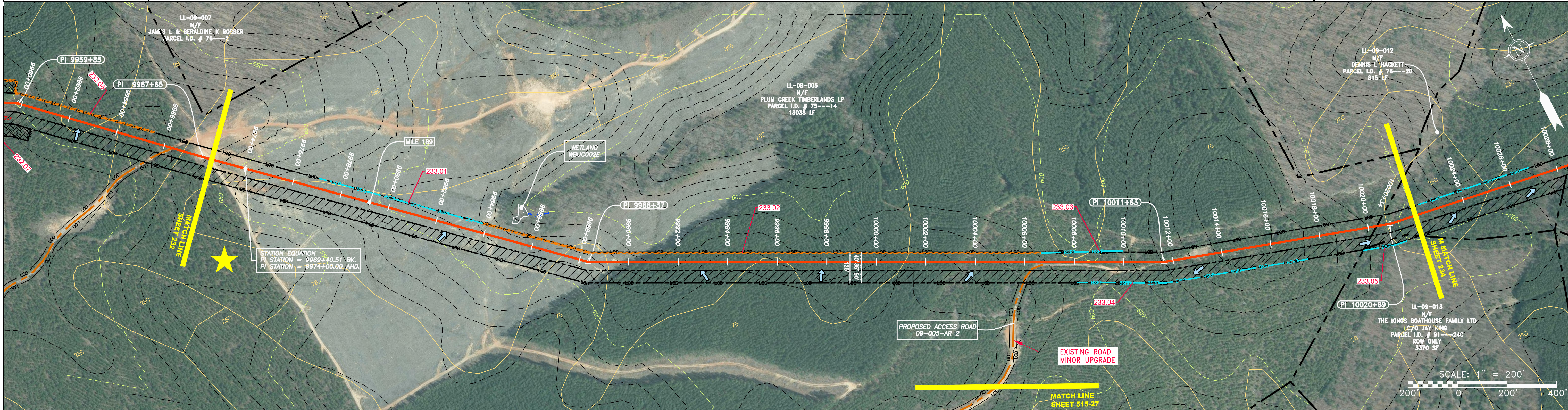
PROPERTY OWNERSHIP

96+8886

LL-09-005 N/F PLUM CREEK TIMBERLANDS LP PARCEL I.D. # 75---14 13038 LF

LL-09-012 N/F DENNIS L. HACKETT PARCEL I.D. # 78---20 815 LF

LL-09-013 N/F THE KINGS BOATHOUSE FAMILY LTD C/O JAY KING PARCEL I.D. # 91---24C ROW ONLY 3370 SF



LEGEND

— X — X — FENCE	— E — UNDERGROUND ELECTRIC	— W — WATER LINE	— SAN — SANITARY SEWER	— OH — OVERHEAD UTILITY LINES	— ACCESS ROAD	— PROPOSED GAS PIPELINE	— PROPOSED PERMANENT EASEMENT	— PROPOSED GAS PIPELINE (NO GROUND SURVEY)	— STORM SEWER	— UNDERGROUND ELECTRIC	— WATER LINE	— SANITARY SEWER	— EDGE OF GRAVEL	— PROPOSED PERMANENT R.O.W.	— UTILITY POLE	— WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	— EXTRA WORK SPACE	— TOPSOIL SEGREGATION AREA	— AREA OF NO DISTURBANCE	— PROPOSED TEMPORARY R.O.W.	— PERMANENT WATERBAR/SLOPE BREAKER	— TEMPORARY WATERBAR/SLOPE BREAKER	— TRENCH BREAKER/PLUG	— STREAM CROSSING	— USFWS STREAM CROSSING WITH ENHANCED CONTROLS	— SEE P	— SLOPE DIRECTION	— CONSTRUCTION ENTRANCE WITH DITCH	— CULVERT AS NEEDED	— CULVERT WATERBAR	— LOD	— BSRF	— COMPOST FILTER SOCK	— SEDIMENT BARRIER IDENTIFICATION	— CULVERT IDENTIFICATION	— ORANGE SAFETY FENCE	— ROADSIDE DITCH	— SOIL TYPE	— TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION	— LIMIT OF DISTURBANCE	— BELTED SILT RETENTION FENCE (BSRF)	— COMPOST FILTER SOCK	— SEDIMENT BARRIER IDENTIFICATION	— CULVERT IDENTIFICATION	— ORANGE SAFETY FENCE	— ROADSIDE DITCH	— SOIL TYPE	— TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION
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NOTES:

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NO.	DATE	BY	CHKD.	APPVD.	DESCRIPTION

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 9968+00 TO 10022+00
 BUCKINGHAM COUNTY, VIRGINIA

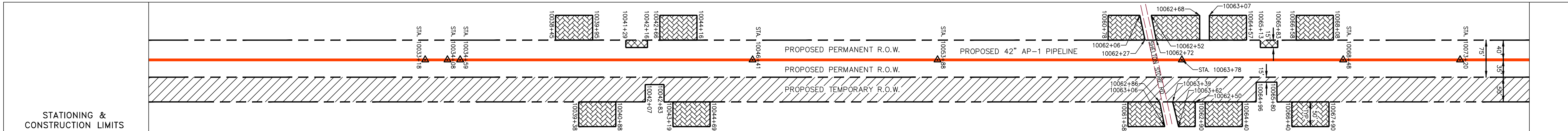
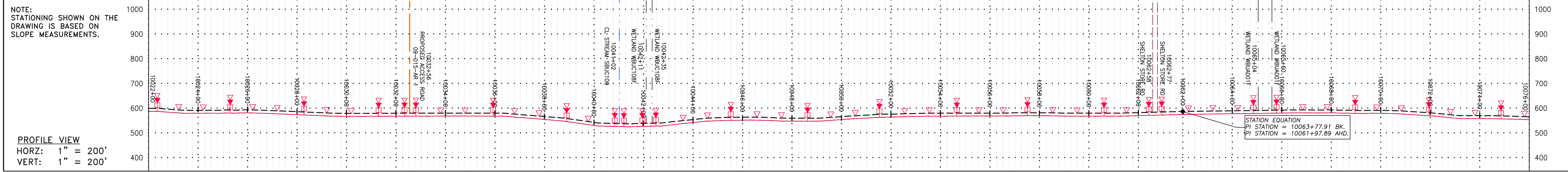
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE: AS SHOWN
 DATE: 3/24/17
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET

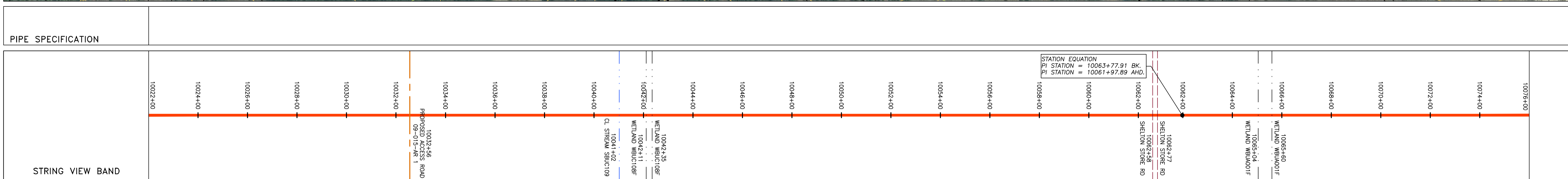
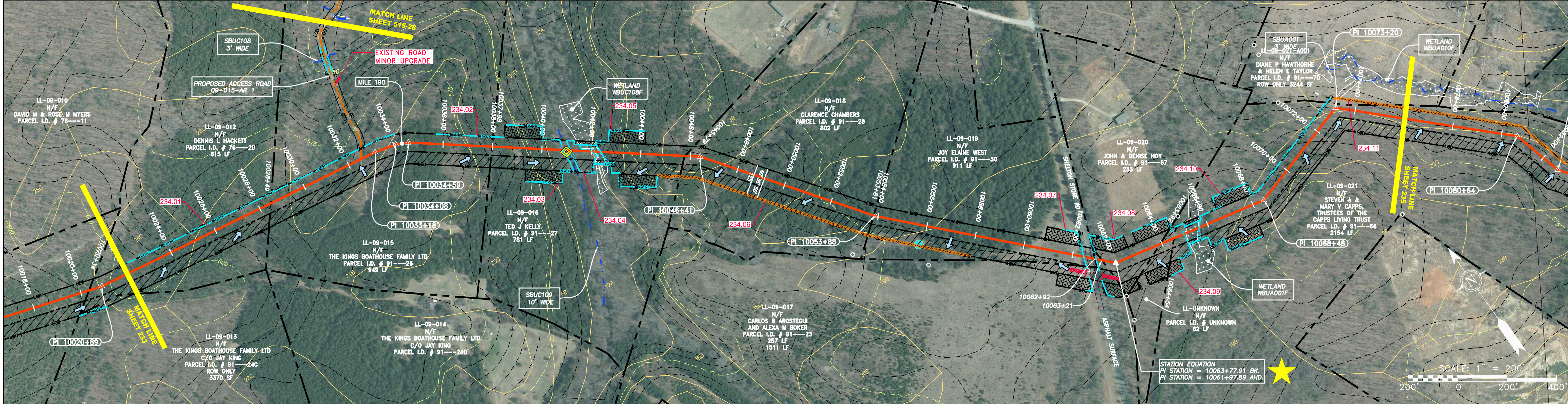


PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E233
233 OF 344	

GAI CAD FILE NO. \\\NTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 4\SEC 4 SHEETS - 228-233 (22-26).DWG



Stationing	Property Ownership
10022+00	LL-09-012 N/F DENNIS L HACKETT PARCEL I.D. # 76---20 815 LF
10024+00	LL-09-015 N/F THE KINGS BOATHOUSE FAMILY LTD PARCEL I.D. # 91---26 949 LF
10026+00	LL-09-016 N/F TED J KELLY PARCEL I.D. # 91---27 781 LF
10028+00	LL-09-018 N/F CLARENCE CHAMBERS PARCEL I.D. # 91---28 802 LF
10030+00	LL-09-019 N/F JOY ELAINE WEST PARCEL I.D. # 91---30 911 LF
10032+00	LL-09-017 N/F CARLOS B AROSTEGUI AND ALEXA M BOKER PARCEL I.D. # 91---23 29 LF
10034+00	LL-09-020 N/F JOHN & DENISE HOY PARCEL I.D. # 91---57 251 LF
10036+00	LL-09-021 N/F STEVEN A & MARY V CAPPS, TRUSTEES OF THE CAPPS LIVING TRUST PARCEL I.D. # 91---66 2154 LF
10038+00	LL-09-021-A001 N/F DIANE P HAWTHORNE & HELEN E TAYLOR PARCEL I.D. # 91---70 ROW ONLY 3244 SF
10040+00	LL-UNKNOWN N/F PARCEL I.D. # UNKNOWN 62 LF



LEGEND	
	PROPERTY LINE
	FENCE
	STREAM
	EXISTING GAS PIPELINE
	OVERHEAD UTILITY LINES
	ACCESS ROAD
	PROPOSED GAS PIPELINE
	STORM SEWER
	UNDERGROUND ELECTRIC
	WATER LINE
	SANITARY SEWER
	EDGE OF GRAVEL
	PROPOSED PERMANENT EASEMENT
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	TOPSOIL SEGREGATION AREA
	AREA OF NO DISTURBANCE
	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)
	UTILITY POLE
	PROPOSED TEMPORARY R.O.W.
	PERMANENT WATERBAR/SLOPE BREAKER
	TEMPORARY WATERBAR/SLOPE BREAKER
	TRENCH BREAKER/PLUG
	STREAM CROSSING
	USFS STREAM CROSSING WITH ENHANCED CONTROLS
	SLOPE DIRECTION
	CONSTRUCTION ENTRANCE WITH DITCH
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	BSRF
	SEDIMENT BARRIER IDENTIFICATION
	CULVERT IDENTIFICATION
	ORANGE SAFETY FENCE
	ROADSIDE DITCH
	SOIL TYPE
	TYPICAL BIG SLOPE CATEGORY SLOPE INCLUSION

NOTES:

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GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING SURVEY DRAWING SEC 4, SEC 4, SHEETS - 234-239 (27-31).DWG

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

Daniel R. Goldstein
 DANIEL R. GOLDSTEIN
 Lic. No. 047436
 PROFESSIONAL ENGINEER

ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE:	AS SHOWN
DATE:	3/24/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E234
DRAWING NO.	234 OF 344	