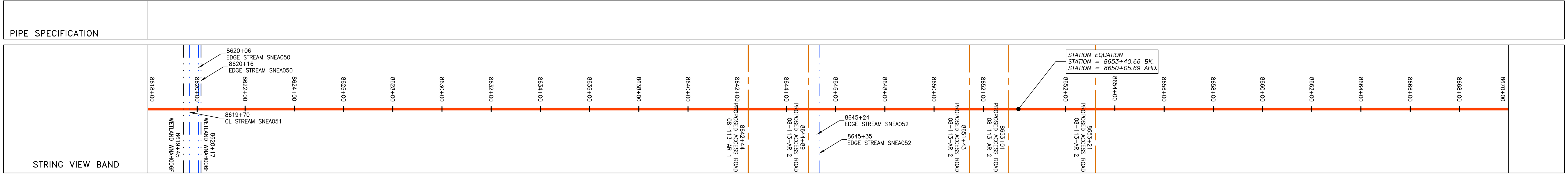
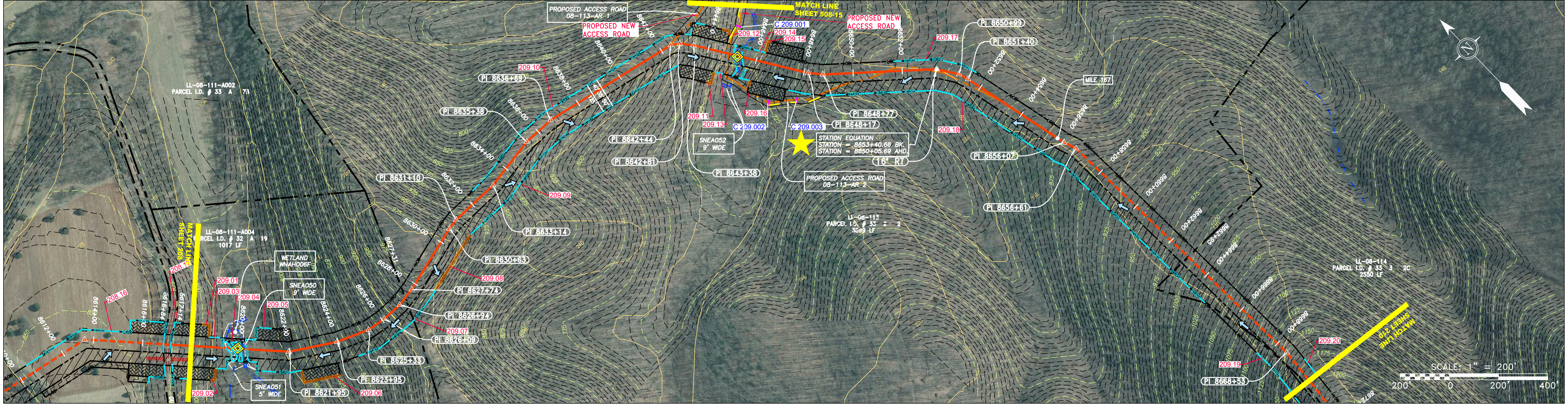
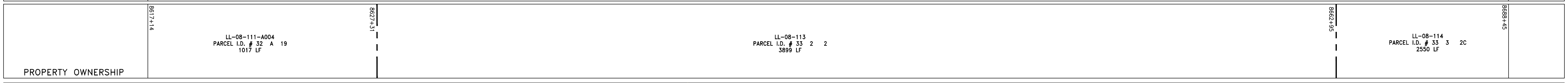
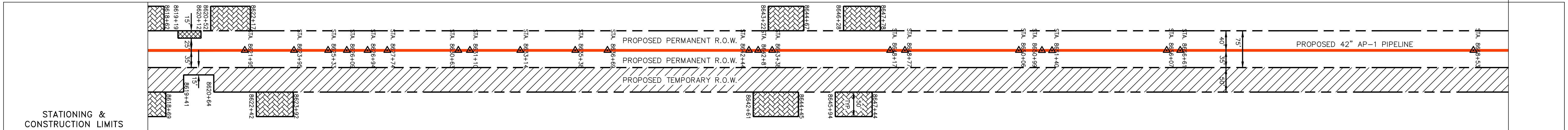
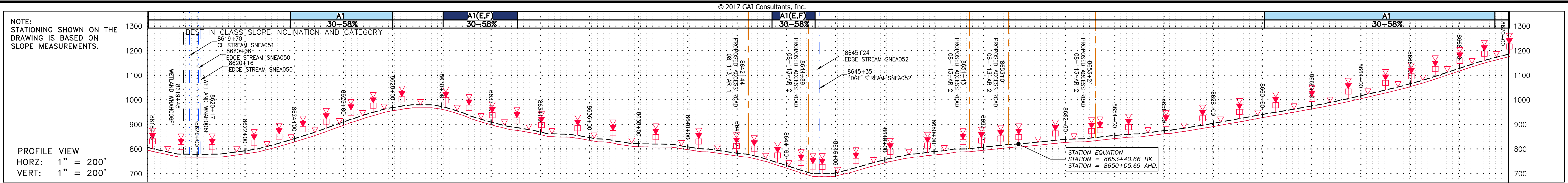


GAI CAD FILE NO. \VTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 4\BACKUP\SEC 4 SHEETS - 206-210 (1-5).DWG

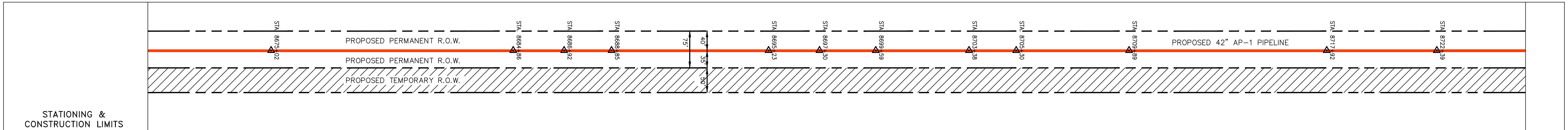
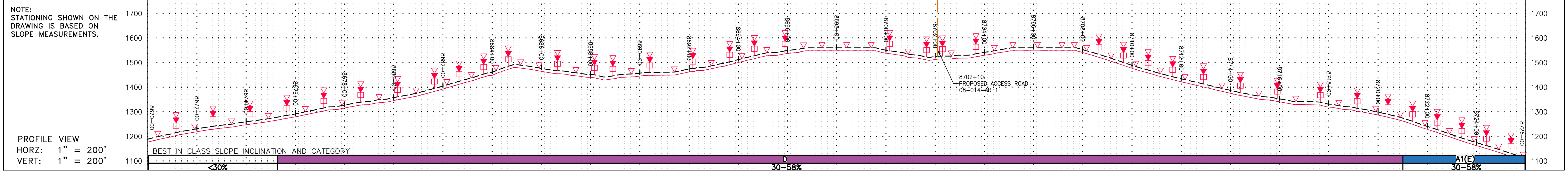


**LEGEND**

<ul style="list-style-type: none"> <li>PROPERTY LINE</li> <li>FENCE</li> <li>STREAM</li> <li>EXISTING GAS PIPELINE</li> <li>OVERHEAD UTILITY LINES</li> <li>ACCESS ROAD</li> <li>PROPOSED GAS PIPELINE</li> </ul>	<ul style="list-style-type: none"> <li>STORM SEWER</li> <li>UNDERGROUND ELECTRIC</li> <li>WATER LINE</li> <li>SAN</li> <li>SANITARY SEWER</li> <li>EDGE OF GRAVEL</li> <li>PROPOSED PERMANENT EASEMENT</li> <li>PROPOSED GAS PIPELINE (NO GROUND SURVEY)</li> </ul>	<ul style="list-style-type: none"> <li>EXTRA WORK SPACE</li> <li>AREA OF NO DISTURBANCE</li> <li>WETLAND</li> <li>TOPSOIL SEGREGATION AREA</li> <li>PROPOSED TEMPORARY R.O.W.</li> <li>UTILITY POLE</li> </ul>	<ul style="list-style-type: none"> <li>PERMANENT WATERBARRIER/SLOPE BREAKER</li> <li>TEMPORARY WATERBARRIER/SLOPE BREAKER</li> <li>TRENCH BREAKER/PLUG</li> <li>STREAM CROSSING</li> <li>USFWS STREAM CROSSING WITH ENHANCED CONTROLS</li> <li>SEEP</li> <li>SLOPE DIRECTION</li> <li>CONSTRUCTION ENTRANCE WITH DITCH</li> <li>CULVERT AS NEEDED</li> <li>CULVERT WATERBAR</li> </ul>	<ul style="list-style-type: none"> <li>LOD</li> <li>BSRF</li> <li>111.03</li> <li>C 111.001</li> <li>ORANGE SAFETY FENCE</li> <li>ROADSIDE DITCH</li> <li>SOIL TYPE</li> <li>TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION</li> </ul>	<p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.</li> <li>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.</li> <li>IMAGERY TAKEN FROM GOOGLE EARTH.</li> <li>THE PROPERTY LINES SHOWN ARE BASED ON GIS &amp; 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.</li> <li>STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.</li> <li>EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.</li> <li>ALL STATIONING SHOWN IS SLOPE STATIONING.</li> <li>SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.</li> <li>BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.</li> <li>EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.</li> <li>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.</li> <li>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.</li> <li>THE CONSTRUCTION RIGHT-OF-WAY 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.</li> </ol>
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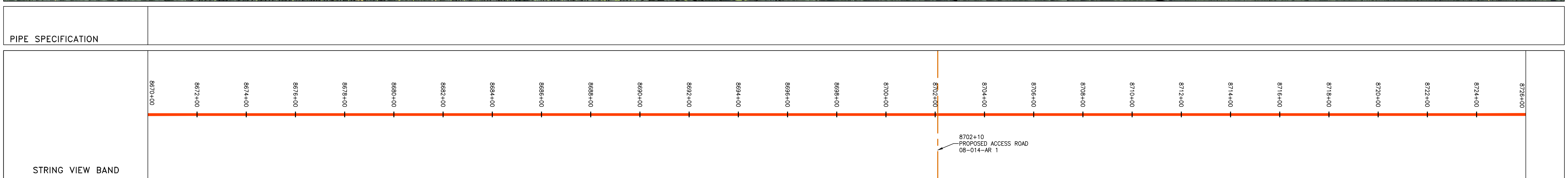
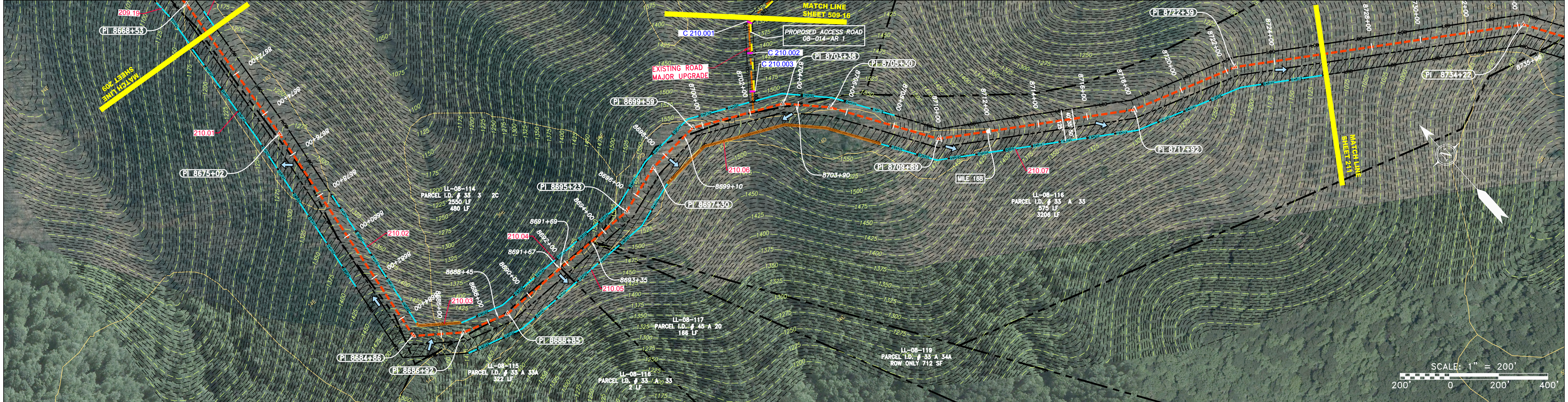
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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION								
<p>PROFESSIONAL ENGINEER</p> <p><i>Daniel R. Goldstein</i></p> <p>DANIEL R. GOLDSTEIN Lic. No. 047436</p> <p>ERM</p>													
<p>CONSTRUCTION ALIGNMENT STA 8618+00 TO 8670+00</p> <p>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330</p>													
<p>SCALE: AS SHOWN</p> <p>DATE: 6/20/17</p> <p>DRAWN: GPT</p> <p>CHECKED: DLH</p> <p>APPROVED: NET</p>	<p>PROJECT NO./DASH NO. <b>140468</b></p> <p>TASK NO. SUB TASK NO. <b>005 00</b></p> <p>GROUP ID DRAWING NO. <b>D E209</b></p> <p><b>209 OF 344</b></p>												





PROPERTY OWNERSHIP

8670+00	8672+00	8674+00	8676+00	8678+00	8680+00	8682+00	8684+00	8686+00	8688+00	8690+00	8692+00	8694+00	8696+00	8698+00	8700+00	8702+00	8704+00	8706+00	8708+00	8710+00	8712+00	8714+00	8716+00	8718+00	8720+00	8722+00	8724+00	8726+00
LL-08-114 PARCEL I.D. # 33 3 2C 2550 LF		LL-08-116 PARCEL I.D. # 33 A 20 186 LF		LL-08-115 PARCEL I.D. # 33 A 33A 322 LF		LL-08-116 PARCEL I.D. # 33 A 33 575 LF		LL-08-114 PARCEL I.D. # 33 3 2C 480 LF		LL-08-116 PARCEL I.D. # 33 A 33 3206 LF																		



**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	<b>NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&amp;S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).</b>	
OVERHEAD UTILITY LINES	EDGE OF GRAVEL	PERMANENT WATERBAR/SLOPE BREAKER	LOD
ACCESS ROAD	PROPOSED PERMANENT EASEMENT	TEMPORARY WATERBAR/SLOPE BREAKER	BSRF
PROPOSED GAS PIPELINE	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	STREAM CROSSING	USFWS STREAM CROSSING WITH ENHANCED CONTROLS
		SLOPE DIRECTION	SLOPEWALL
		CONSTRUCTION ENTRANCE WITH DITCH	CULVERT WATERBAR
		SLOPE DIRECTION WITH DITCH	CULVERT
		SLOPE DIRECTION WITH DITCH AND PLUG	CULVERT WITH PLUG
		SLOPE DIRECTION WITH DITCH AND PLUG	CULVERT WITH PLUG
		SLOPE DIRECTION WITH DITCH AND PLUG	CULVERT WITH PLUG

**NOTES:**

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° 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.
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- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION 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 SLOPES 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.
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- 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, VEGETATION, 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.

REVISIONS

NO.	DATE	BY	CHKD.	APPVD.	DESCRIPTION

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

42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA 8670+00 TO 8726+00  
 NELSON COUNTY, VIRGINIA  
 ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE: AS SHOWN  
 DATE: 6/20/17  
 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**

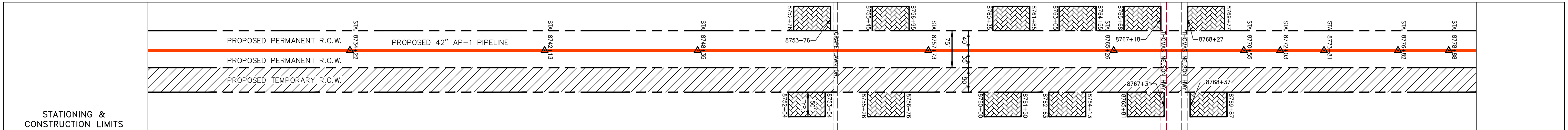
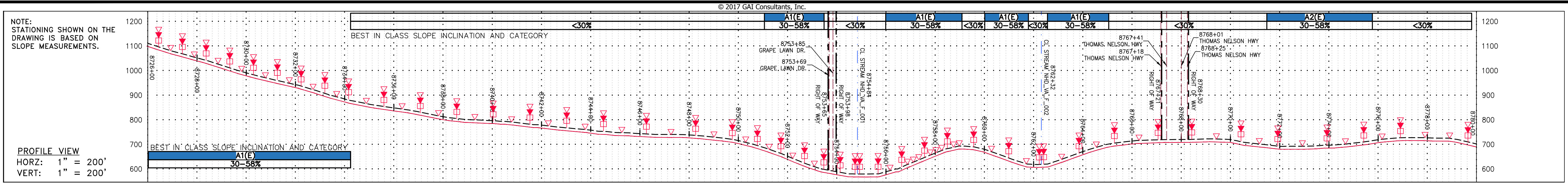
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**D E210**

**210 OF 344**

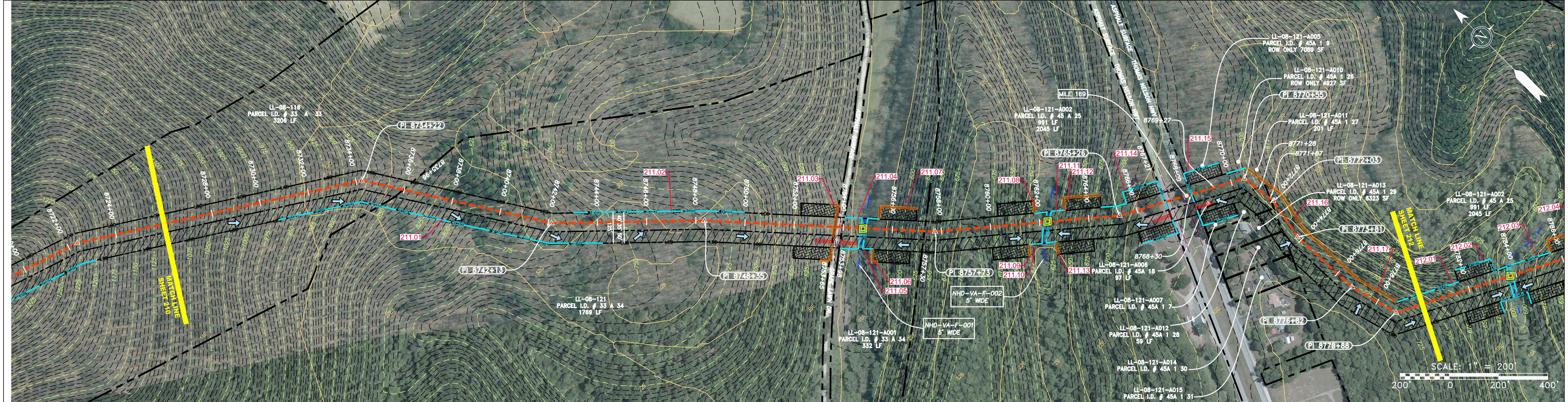
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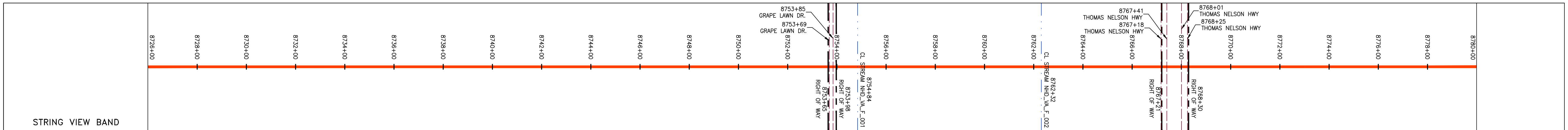
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PROPERTY OWNERSHIP	PARCEL I.D. #	AREA (A)	LENGTH (LF)
LL-08-116	# 33	A 33	3206 LF
LL-08-121	# 33	A 34	1769 LF
LL-08-121-A001	# 33	A 34	332 LF
LL-08-121-A002	# 45	A 25	991 LF
LL-08-121-A011	# 45A	A 1 27	201 LF
LL-08-121-A006	# 45	A 18	97 LF
LL-08-121-A012	# 45A	A 1 28	59 LF
LL-08-121-A005	# 45A	A 1 9	ROW ONLY 7089 SF
LL-08-121-A010	# 45A	A 1 25	ROW ONLY 4827 SF
LL-08-121-A011	# 45A	A 1 27	201 LF
LL-08-121-A013	# 45A	A 1 29	ROW ONLY 6353 SF
LL-08-121-A002	# 45	A 25	991 LF
LL-08-121-A014	# 45A	A 1 30	59 LF
LL-08-121-A015	# 45A	A 1 31	59 LF



PIPE SPECIFICATION	STATIONING
PROPOSED PERMANENT R.O.W.	8726+00
PROPOSED PERMANENT R.O.W.	8728+00
PROPOSED PERMANENT R.O.W.	8730+00
PROPOSED PERMANENT R.O.W.	8732+00
PROPOSED PERMANENT R.O.W.	8734+00
PROPOSED PERMANENT R.O.W.	8736+00
PROPOSED PERMANENT R.O.W.	8738+00
PROPOSED PERMANENT R.O.W.	8740+00
PROPOSED PERMANENT R.O.W.	8742+00
PROPOSED PERMANENT R.O.W.	8744+00
PROPOSED PERMANENT R.O.W.	8746+00
PROPOSED PERMANENT R.O.W.	8748+00
PROPOSED PERMANENT R.O.W.	8750+00
PROPOSED PERMANENT R.O.W.	8752+00
PROPOSED PERMANENT R.O.W.	8754+00
PROPOSED PERMANENT R.O.W.	8756+00
PROPOSED PERMANENT R.O.W.	8758+00
PROPOSED PERMANENT R.O.W.	8760+00
PROPOSED PERMANENT R.O.W.	8762+00
PROPOSED PERMANENT R.O.W.	8764+00
PROPOSED PERMANENT R.O.W.	8766+00
PROPOSED PERMANENT R.O.W.	8768+00
PROPOSED PERMANENT R.O.W.	8770+00
PROPOSED PERMANENT R.O.W.	8772+00
PROPOSED PERMANENT R.O.W.	8774+00
PROPOSED PERMANENT R.O.W.	8776+00
PROPOSED PERMANENT R.O.W.	8778+00
PROPOSED PERMANENT R.O.W.	8780+00



<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>— X — X — PROPERTY LINE</li> <li>— F — F — FENCE</li> <li>— G — G — EXISTING GAS PIPELINE</li> <li>— OH — OH — OVERHEAD UTILITY LINES</li> <li>— — — PROPOSED GAS PIPELINE</li> <li>— — — PROPOSED GAS PIPELINE (NO GROUND SURVEY)</li> <li>— E — E — UNDERGROUND ELECTRIC</li> <li>— W — W — WATER LINE</li> <li>— SAN — SAN — SANITARY SEWER</li> <li>— — — EDGE OF GRAVEL</li> <li>— — — PROPOSED PERMANENT EASEMENT</li> <li>— — — PROPOSED PERMANENT R.O.W.</li> <li>— — — UTILITY POLE</li> <li>— — — WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)</li> <li>— — — TOPSOIL SEGREGATION AREA</li> <li>— — — PROPOSED TEMPORARY R.O.W.</li> <li>— — — EXTRA WORK SPACE</li> <li>— — — AREA OF NO DISTURBANCE</li> </ul>	<ul style="list-style-type: none"> <li>▲ PERMANENT WATERBAR/SLOPE BREAKER</li> <li>▲ TEMPORARY WATERBAR/SLOPE BREAKER</li> <li>▲ TRENCH BREAKER/PLUG</li> <li>▲ STREAM CROSSING</li> <li>▲ USFWS STREAM CROSSING WITH ENHANCED CONTROLS</li> <li>▲ SEEP</li> <li>▲ SLOPE DIRECTION</li> <li>▲ CONSTRUCTION ENTRANCE WITH DITCH</li> <li>▲ CULVERT AS NEEDED</li> <li>▲ CULVERT WATERBAR</li> <li>— LOD — LIMIT OF DISTURBANCE</li> <li>— BSRF — BELTED SILT RETENTION FENCE (BSRF)</li> <li>— — — COMPOST FILTER SOCK</li> <li>— — — SEDIMENT BARRIER IDENTIFICATION</li> <li>— — — CULVERT IDENTIFICATION</li> <li>— — — ORANGE SAFETY FENCE</li> <li>— — — ROADSIDE DITCH</li> <li>— — — SOIL TYPE</li> <li>— — — TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION</li> </ul>	<p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.</li> <li>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.</li> <li>IMAGERY TAKEN FROM GOOGLE EARTH.</li> <li>THE PROPERTY LINES SHOWN ARE BASED ON GIS &amp; 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.</li> <li>STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.</li> <li>EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.</li> <li>ALL STATIONING SHOWN IS SLOPE STATIONING.</li> <li>SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.</li> <li>BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.</li> <li>EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.</li> <li>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.</li> <li>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.</li> <li>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, VEGETATION, 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.</li> </ol>
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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

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

**42" AP-1 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 8726+00 TO 8780+00**  
 NELSON COUNTY, VIRGINIA  
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE:	AS SHOWN
DATE:	6/20/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

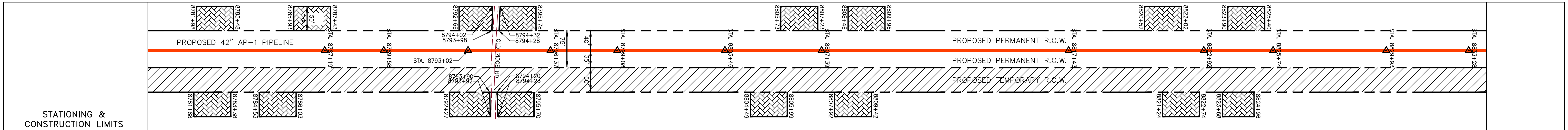
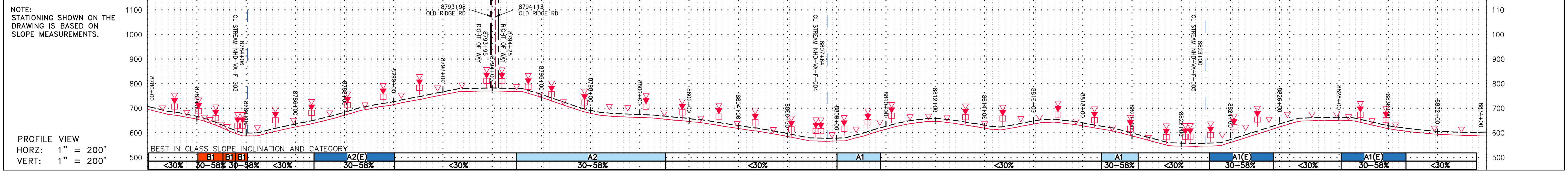
SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-873-3545

PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E211
	11	OF 344

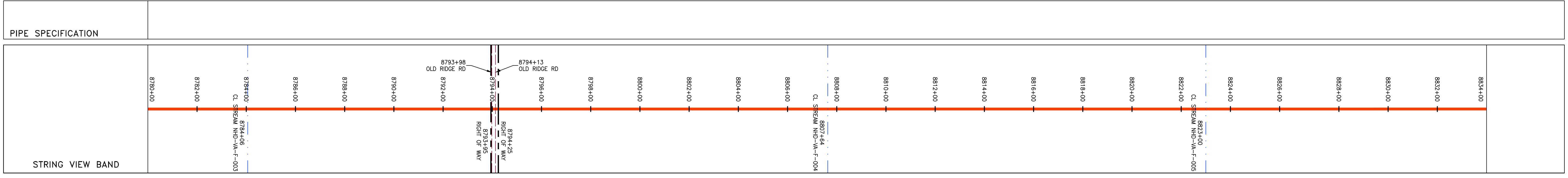
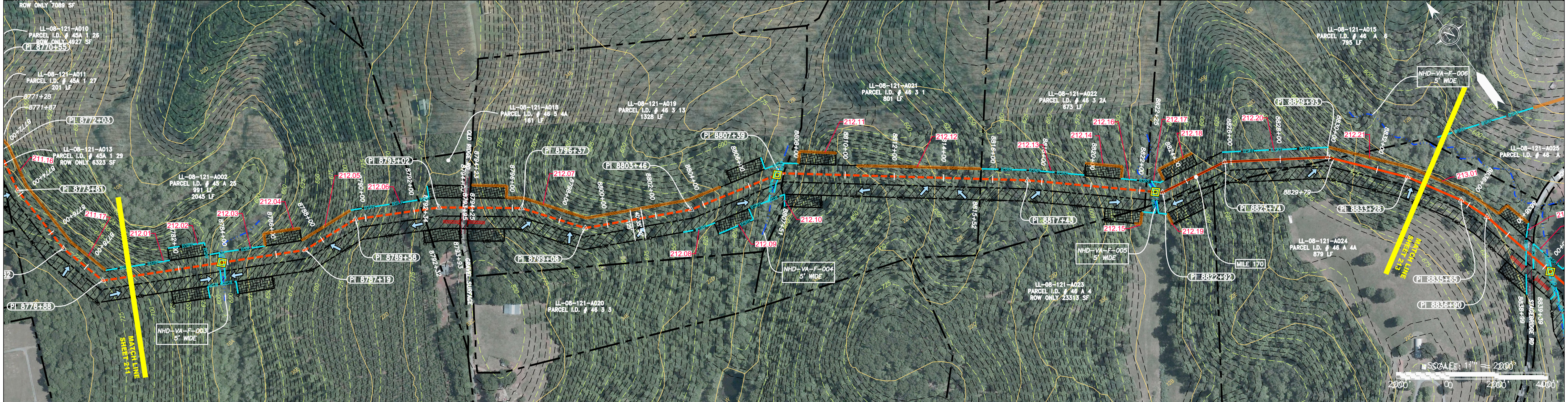


GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 4\BACKUP\SEC 4 SHEETS - 211-216 (6-10).DWG

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STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
871+87	LL-08-121-A002 PARCEL I.D. # 45 A 25 2045 LF
872+00	LL-08-121-A018 PARCEL I.D. # 46 5 4A 161 LF
872+34	LL-08-121-A019 PARCEL I.D. # 46 3 13 1328 LF
873+25	LL-08-121-A021 PARCEL I.D. # 46 3 1 801 LF
873+52	LL-08-121-A022 PARCEL I.D. # 46 3 2A 673 LF
873+74	LL-08-121-A015 PARCEL I.D. # 46 A 6 795 LF
873+79	LL-08-121-A024 PARCEL I.D. # 46 A 4A 879 LF
873+87	



**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	<b>NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&amp;S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).</b>	
OVERHEAD UTILITY LINES	EDGE OF GRAVEL	PERMANENT WATERBAR/SLOPE BREAKER	LOD
ACCESS ROAD	PROPOSED PERMANENT EASEMENT	TEMPORARY WATERBAR/SLOPE BREAKER	BSRF
PROPOSED GAS PIPELINE	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	STREAM CROSSING WITH ENHANCED CONTROLS	SEDIMENT BARRIER IDENTIFICATION
		CULVERT AS NEEDED	CULVERT WATERBAR
		SLOPEWAY	TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION

**NOTES:**

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W, 11-07-2014.
- 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.
- ACCESS ROADS AND SEPARATION 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 SLOPES 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.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.

REVISIONS		DESCRIPTION
NO.	DATE	

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

**ERM**

**42" AP-1 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 8780+00 TO 8834+00**  
 NELSON COUNTY, VIRGINIA  
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

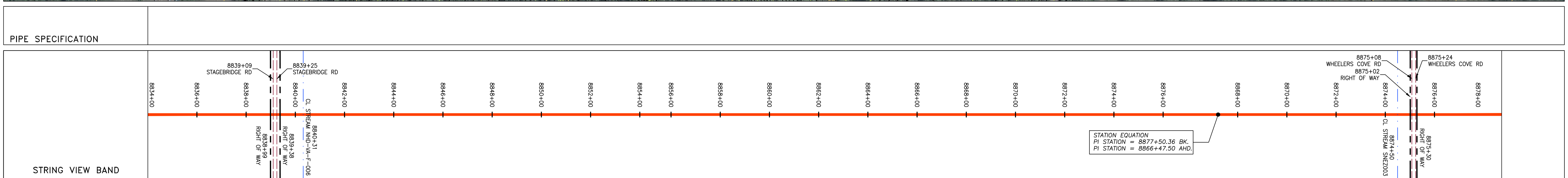
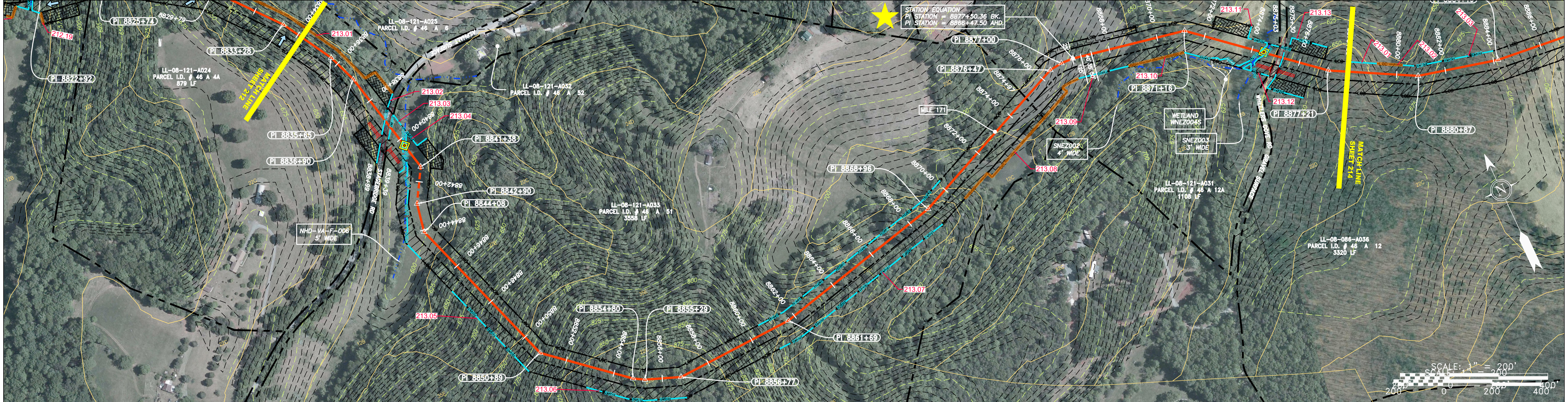
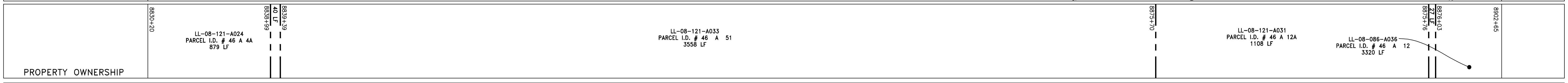
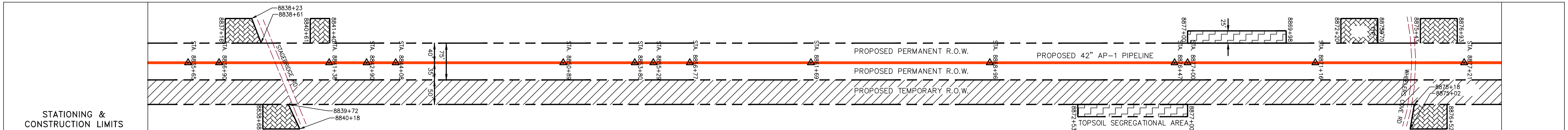
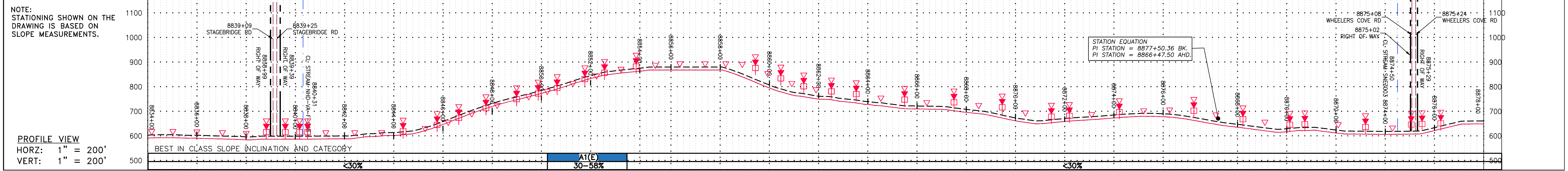
SCALE: AS SHOWN  
 DATE: 6/20/17  
 DRAWN: GPT  
 CHECKED: DLH  
 APPROVED: NET

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

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E212
212 OF 344	

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

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

**42" AP-1 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 8834+00 TO 8878+00**  
 NELSON COUNTY, VIRGINIA  
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

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TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E213
213 OF 344	

GAI CAD FILE NO. \NTG-FS1\THRASHER\_050-5159 - GIA, INC. - GAI - THRASHER - MAPPING\SURVEY\DRAWING\SEC 4\BACKUP\SEC 4 SHEETS - 211-216 (6-10).DWG