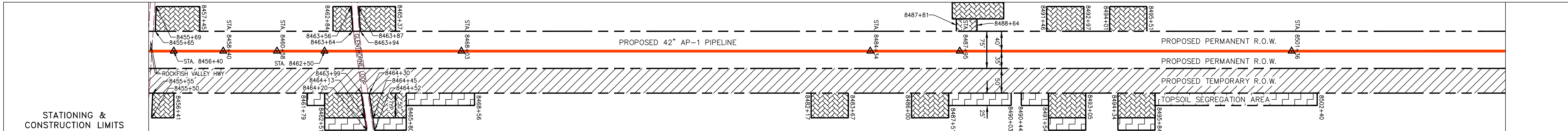
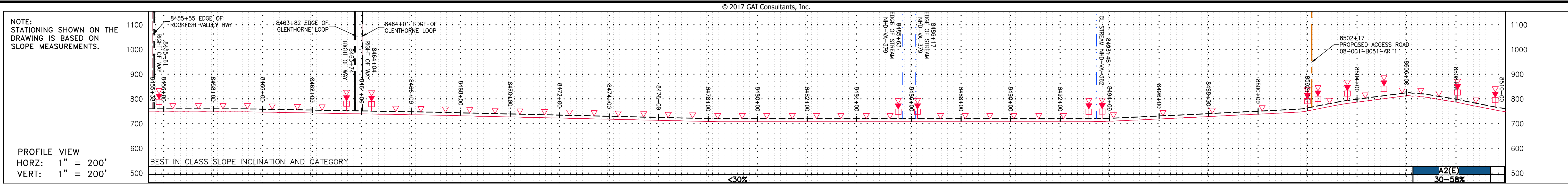
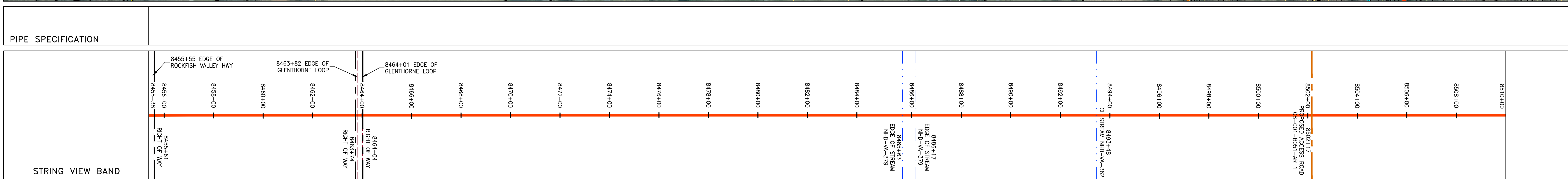
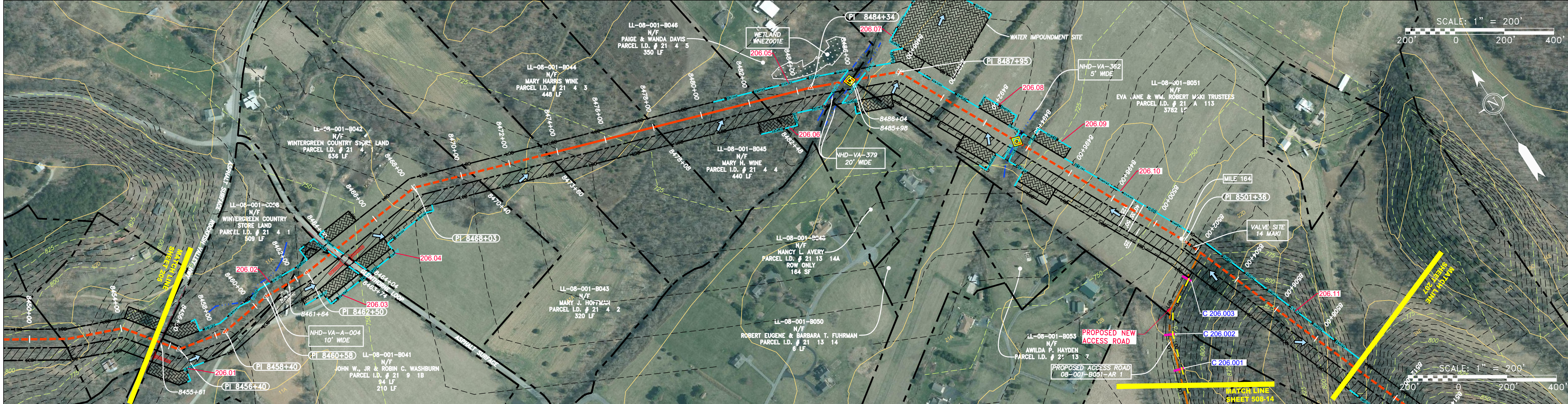


GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING SURVEY DRAWING SEC 4, SEC 4, SHEETS - 206-210 (1-5).DWG



PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
1-B041 JOHN W., JR & ROBIN C. WASHBURN PARCEL I.D. # 21 9 1B 94 LF	8455+00 to 8456+00
LL-08-001-B041 JOHN W., JR & ROBIN C. WASHBURN PARCEL I.D. # 21 9 1B 210 LF	8456+00 to 8463+00
LL-08-001-B042 WINTERGREEN COUNTRY STORE LAND PARCEL I.D. # 21 4 1	8463+00 to 8464+00
LL-08-001-B043 MARY J. HOFFMAN PARCEL I.D. # 21 4 2 320 LF	8464+00 to 8465+00
LL-08-001-B044 MARY HARRIS WINE PARCEL I.D. # 21 4 3 448 LF	8465+00 to 8466+00
LL-08-001-B045 MARY H. WINE PARCEL I.D. # 21 4 4 440 LF	8466+00 to 8467+00
LL-08-001-B046 PAGE & WANDA DAVIS PARCEL I.D. # 21 4 5 350 LF	8467+00 to 8468+00
LL-08-001-B048 NANCY L. AVERY PARCEL I.D. # 21 13 14A 164 SF	8468+00 to 8469+00
LL-08-001-B050 ROBERT EUGENE & BARBARA T. FUHRMAN PARCEL I.D. # 21 13 14 6 LF	8469+00 to 8470+00
LL-08-001-B051 EVA JANE & WM. ROBERT MAKI TRUSTEES PARCEL I.D. # 21 A 113 3782 LF	8470+00 to 8510+00



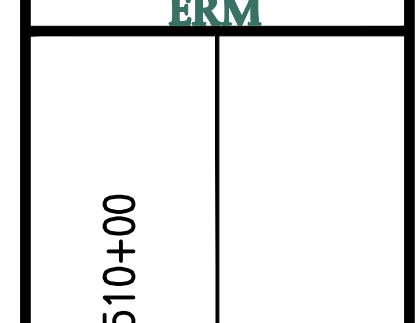
### LEGEND

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

### 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 GIA 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). GIA 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 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.
- 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.4.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.4.5. 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.

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION



**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**

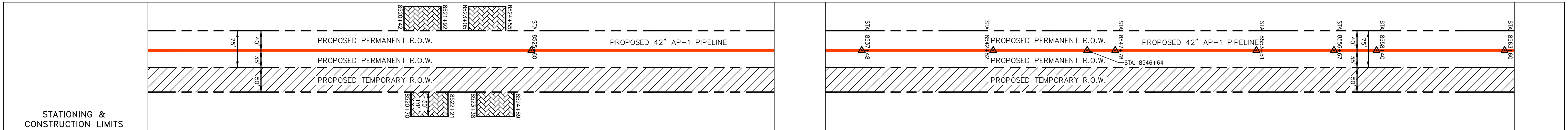
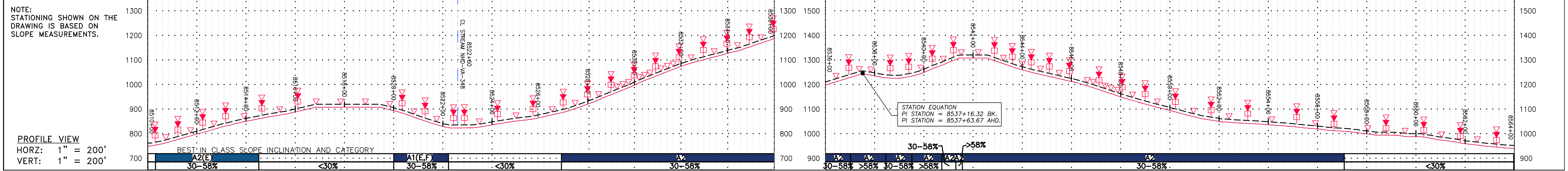
TASK NO.	SUB TASK NO.
005	00

GROUP ID: D  
 DRAWING NO.: E206

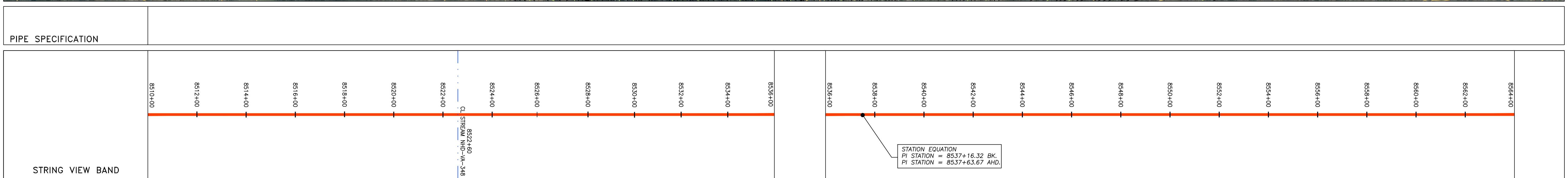
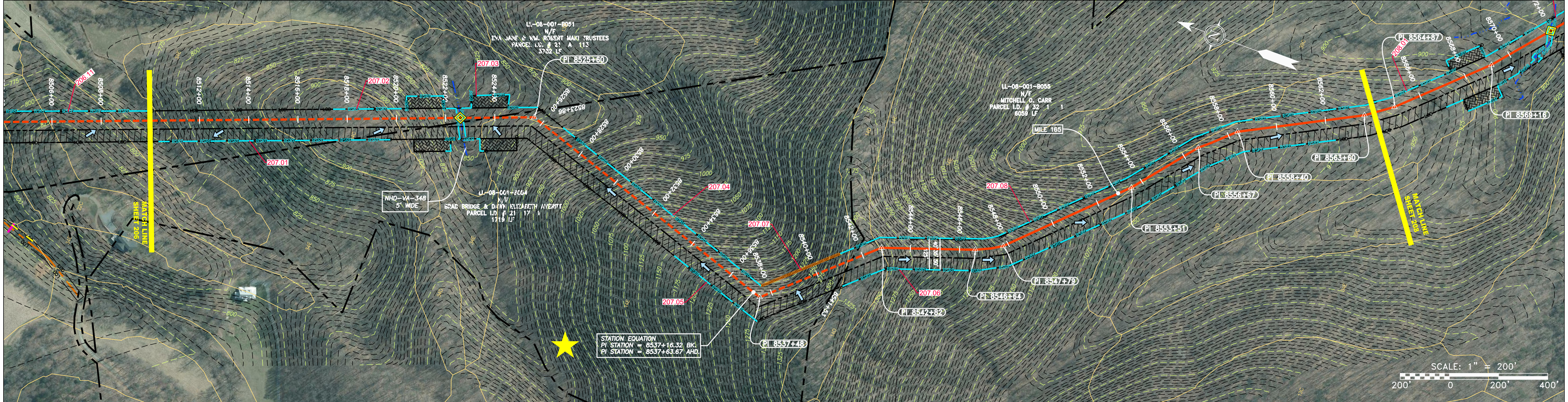
206 OF 344

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY\_DRAWING\SEC 4\SEC 4 SHEETS - 206-210 (1-5).DWG

© 2017 GAI Consultants, Inc.



PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
LL-08-001-8051 N/F EVA JANE & WM. ROBERT MAKI TRUSTEES PARCEL I.D. # 21 A 113 3782 LF	PROPOSED PERMANENT R.O.W. PROPOSED 42" AP-1 PIPELINE PROPOSED PERMANENT R.O.W. PROPOSED TEMPORARY R.O.W.
LL-08-001-8054 N/F BRAD BRIDGE & DAWN ELIZABETH AVERITT PARCEL I.D. # 21 17 1 1719 LF	PROPOSED PERMANENT R.O.W. PROPOSED 42" AP-1 PIPELINE PROPOSED PERMANENT R.O.W. PROPOSED TEMPORARY R.O.W.
LL-08-001-8054 N/F BRAD BRIDGE & DAWN ELIZABETH AVERITT PARCEL I.D. # 21 17 1 1719 LF	PROPOSED PERMANENT R.O.W. PROPOSED 42" AP-1 PIPELINE PROPOSED PERMANENT R.O.W. PROPOSED TEMPORARY R.O.W.
LL-08-001-8055 N/F MITCHELL O. CARR PARCEL I.D. # 32 1 2 6059 LF	PROPOSED PERMANENT R.O.W. PROPOSED 42" AP-1 PIPELINE PROPOSED PERMANENT R.O.W. PROPOSED TEMPORARY R.O.W.



<b>LEGEND</b> --- PROPERTY LINE --- FENCE --- STREAM --- EXISTING GAS PIPELINE --- OVERHEAD UTILITY LINES --- ACCESS ROAD --- PROPOSED GAS PIPELINE	--- STORM SEWER --- UNDERGROUND ELECTRIC --- WATER LINE --- SAN --- SANITARY SEWER --- EDGE OF GRAVEL --- PROPOSED PERMANENT EASEMENT --- PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Pattern] EXTRA WORK SPACE [Pattern] AREA OF NO DISTURBANCE [Pattern] WETLAND [Symbol] UTILITY POLE [Symbol] TOPSOIL SEGREGATION AREA [Symbol] PROPOSED TEMPORARY R.O.W.	[Symbol] PERMANENT WATERBAR/SLOPE BREAKER [Symbol] TEMPORARY WATERBAR/SLOPE BREAKER [Symbol] TRENCH BREAKER/PLUG [Symbol] STREAM CROSSING [Symbol] USFWS STREAM CROSSING WITH ENHANCED CONTROLS [Symbol] SEEP [Symbol] SLOPE DIRECTION [Symbol] CONSTRUCTION ENTRANCE WITH DITCH [Symbol] CULVERT AS NEEDED [Symbol] CULVERT WATERBAR	[Symbol] LOD [Symbol] BSRF [Symbol] 111.03 [Symbol] C 111.001 [Symbol] SEDIMENT BARRIER IDENTIFICATION [Symbol] CULVERT IDENTIFICATION [Symbol] ORANGE SAFETY FENCE [Symbol] ROADSIDE DITCH [Symbol] SOIL TYPE [Symbol] TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION	<b>NOTES:</b> 1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. 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. 3. IMAGERY TAKEN FROM GOOGLE EARTH. 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. 5. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. 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. 7. ALL STATIONING SHOWN IS SLOPE STATIONING. 8. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. 9. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. 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. 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. 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. 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.
--	---	---	--	---	--

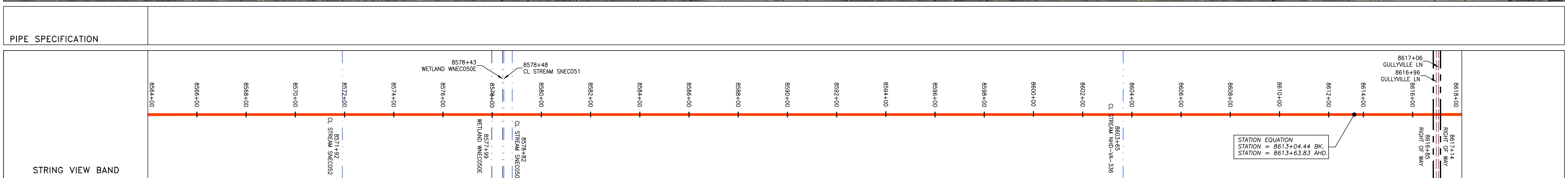
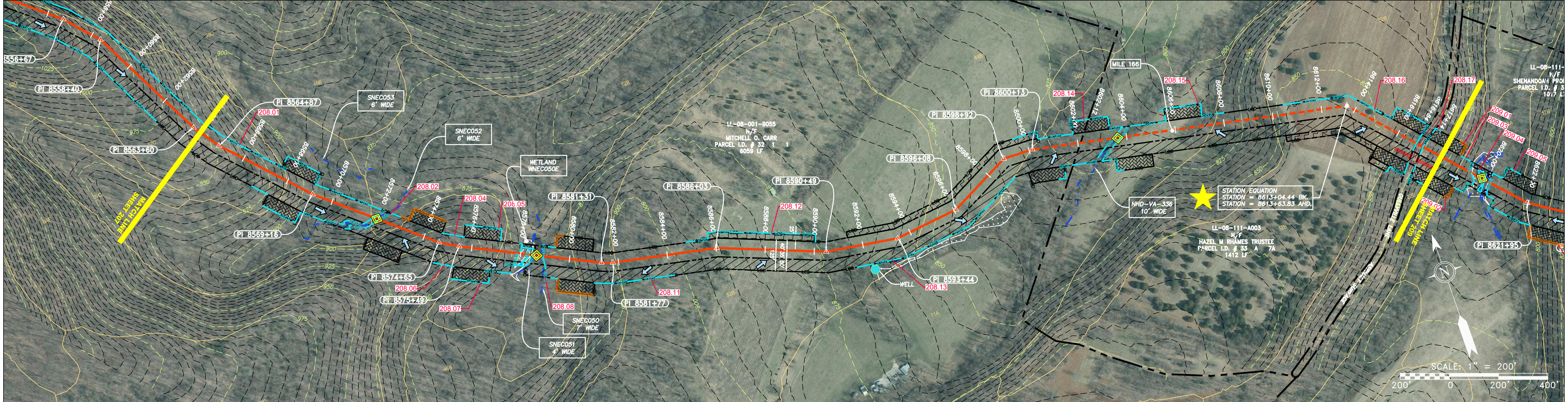
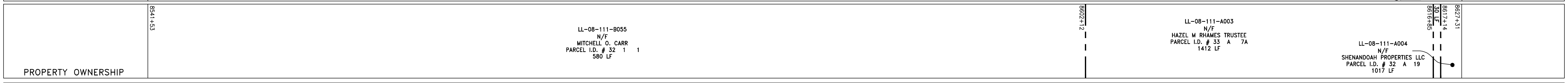
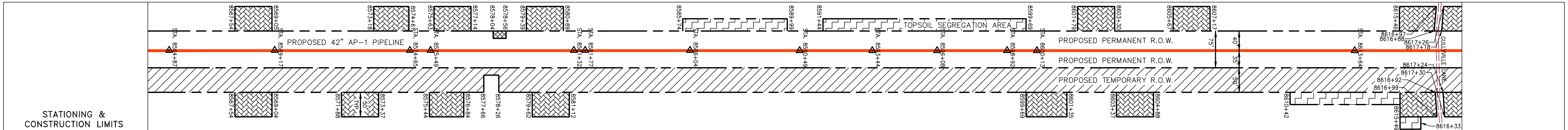
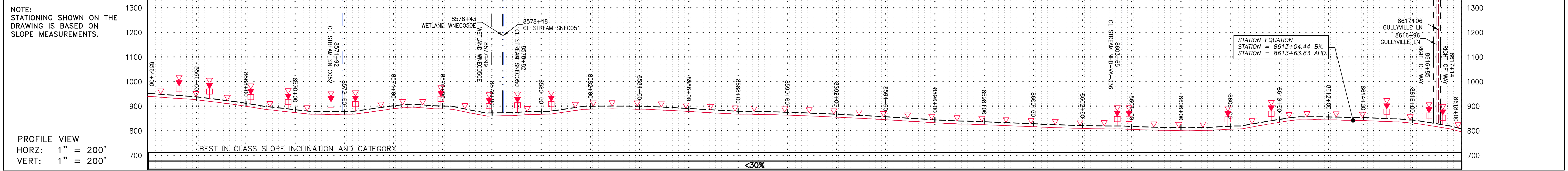
NO.	DATE	APPD.	CHKD.	DESCRIPTION

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

**ERM**

**42" AP-1 PIPELINE**  
 CONSTRUCTION ALIGNMENT STA 8510+00 TO 8564+00  
 NELSON 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 E207
207 OF 344	



LEGEND: PROPERTY LINE, FENCE, STREAM, EXISTING GAS PIPELINE, OVERHEAD UTILITY LINES, PROPOSED GAS PIPELINE, STORM SEWER, UNDERGROUND ELECTRIC, WATER LINE, SAN, SANITARY SEWER, EDGE OF GRAVEL, PROPOSED PERMANENT EASEMENT, PROPOSED GAS PIPELINE (NO GROUND SURVEY), EXTRA WORK SPACE, TOPSOIL SEGREGATION AREA, AREA OF NO DISTURBANCE, WETLAND, UTILITY POLE, PERMANENT WATERBAR/SLOPE BREAKER, BELTED SILT RETENTION FENCE (BSRF), 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, 111.03, C 111.001, ROADSIDE DITCH, SOIL TYPE, LIMIT OF DISTURBANCE, BELTED SILT RETENTION FENCE (BSRF), COMPOST FILTER SOCK, SEDIMENT IDENTIFICATION, CULVERT IDENTIFICATION, ORANGE SAFETY FENCE, ROADSIDE DITCH, TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION.

REVISIONS table with columns for NO., DATE, DWN., CHKD., APPVD., and DESCRIPTION.

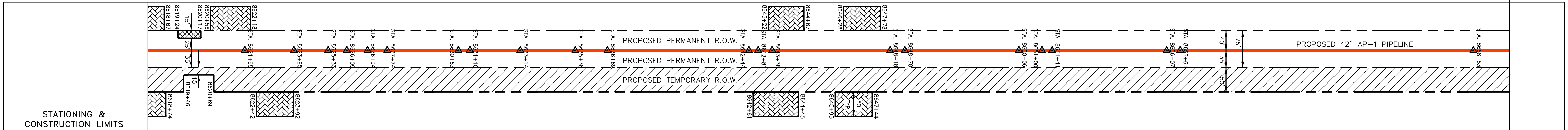
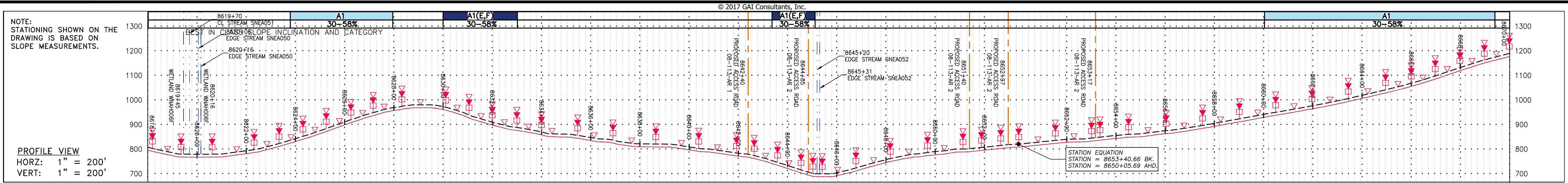
Professional Engineer seal for Daniel R. Goldstein, License No. 047436, and project information: ATLANTIC COAST PIPELINE, LLC, C/O DOMINION TRANSMISSION, INC., 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330.

Scale: AS SHOWN, Date: 3/24/17, Drawn: GPT, Checked: DLH, Approved: NET.

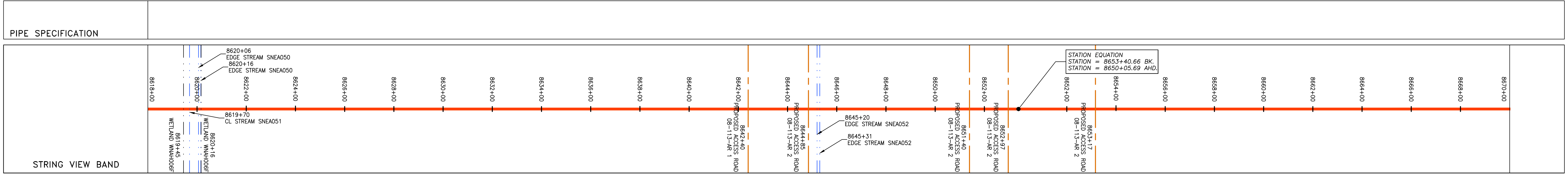
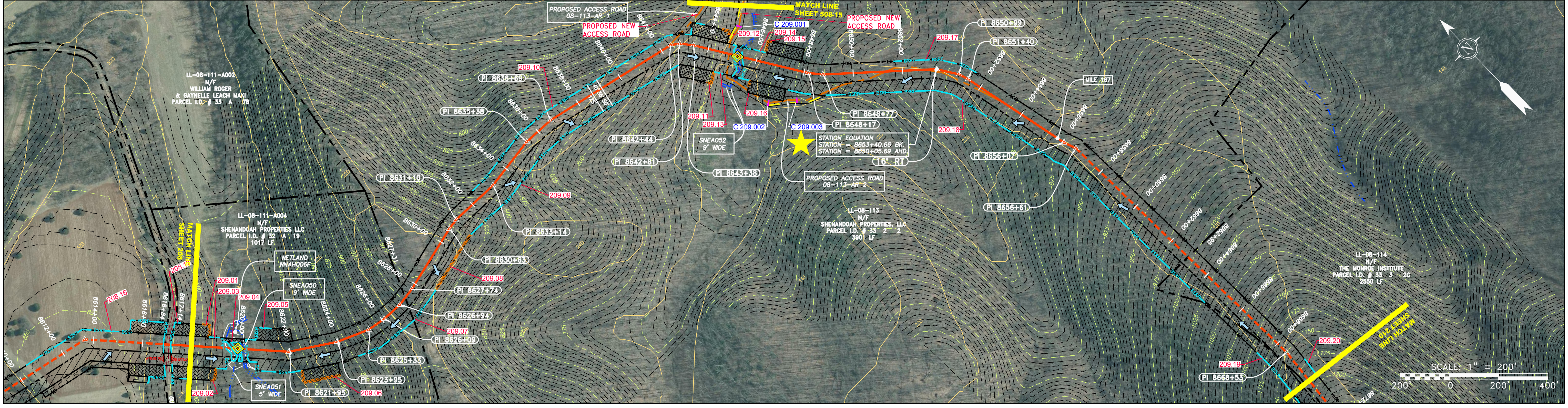
Project No./Dash No.: 140468, Task No. 005, Sub Task No. 00, Group ID D, Drawing No. E208, 208 OF 344.

GAI CAD FILE NO. R:\050-5159 - SERP - THRASHER - GAI - INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 4\SEC 4 SHEETS - 206-210 (1-5).DWG

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

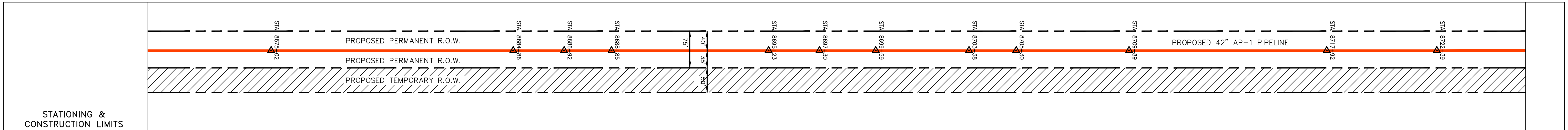
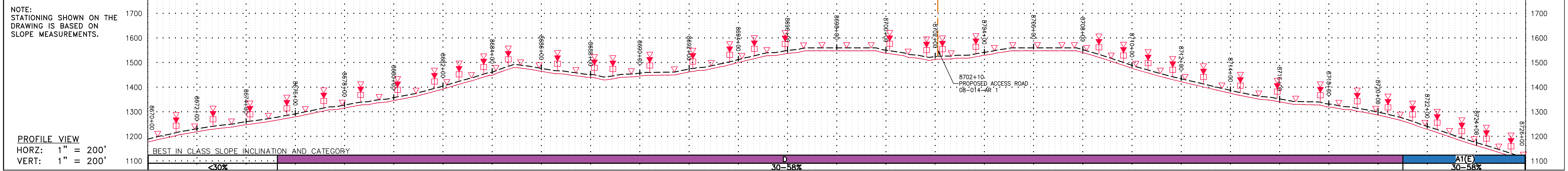


PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
LL-08-111-A004 N/F SHENANDOAH PROPERTIES LLC PARCEL I.D. # 32 A 19 1017 LF	LL-08-113 N/F SHENANDOAH PROPERTIES, LLC PARCEL I.D. # 33 2 2 3901 LF
LL-08-114 N/F THE MONROE INSTITUTE PARCEL I.D. # 33 3 2C 2550 LF	

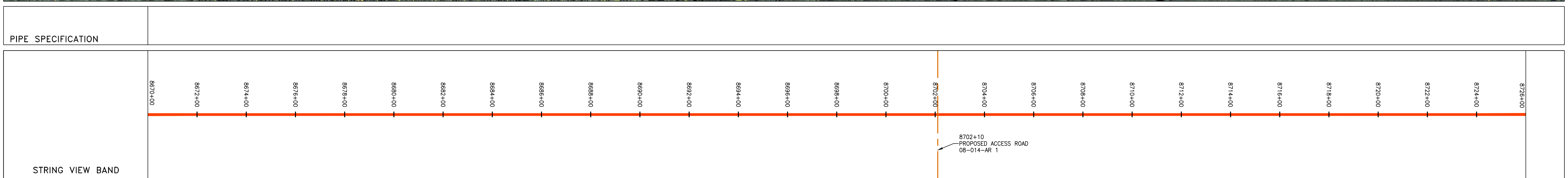
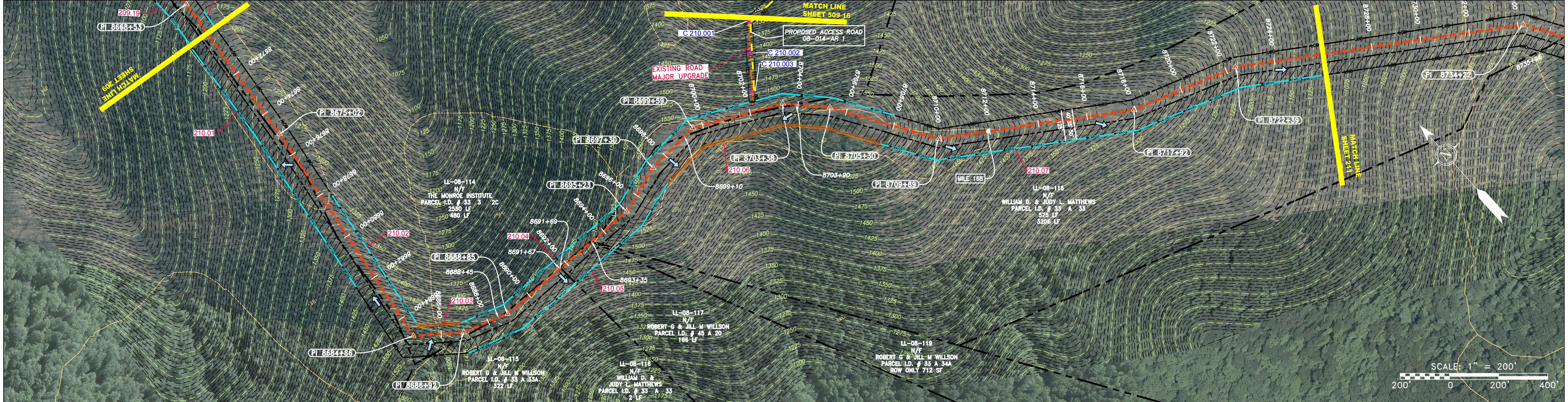


<b>LEGEND</b> --- PROPERTY LINE X-X FENCE --- STREAM G-G EXISTING GAS PIPELINE OH OVERHEAD UTILITY LINES --- ACCESS ROAD --- PROPOSED GAS PIPELINE	--- STORM SEWER --- UNDERGROUND ELECTRIC --- WATER LINE --- SAN --- SANITARY SEWER --- EDGE OF GRAVEL --- PROPOSED PERMANENT EASEMENT --- PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Pattern] EXTRA WORK SPACE [Pattern] AREA OF NO DISTURBANCE [Pattern] WETLAND [Pattern] TOPSOIL SEGREGATION AREA [Pattern] PROPOSED TEMPORARY R.O.W. [Symbol] UTILITY POLE	[Symbol] PERMANENT WATERBARRIER/SLOPE BREAKER [Symbol] TEMPORARY WATERBARRIER/SLOPE BREAKER [Symbol] TRENCH BREAKER/PLUG [Symbol] STREAM CROSSING [Symbol] USFWS STREAM CROSSING WITH ENHANCED CONTROLS [Symbol] SEEP [Symbol] SLOPE DIRECTION [Symbol] CONSTRUCTION ENTRANCE WITH DITCH [Symbol] CULVERT AS NEEDED [Symbol] CULVERT WATERBAR	--- LOD --- BSRF --- 111.03 --- C 111.001 --- [Symbol] --- [Symbol] --- [Symbol]	<b>NOTES:</b> 1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. 2. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GIA CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014. 3. THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GIA CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS. 4. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. 5. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. 6. ALL STATIONING SHOWN IS SLOPE STATIONING. 7. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. 8. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. 9. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND. 10. 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. 11. 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. 12. 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, 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 DWN. CHKD. APPVD. DESCRIPTION	
Daniel R. Goldstein DANIEL R. GOLDSTEIN Lic. No. 047436 PROFESSIONAL ENGINEER	
<b>42" AP-1 PIPELINE</b> CONSTRUCTION ALIGNMENT STA 8618+00 TO 8670+00 NELSON 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	
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 E209
209 OF 344	



STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
8670+00	LL-08-114 N/F THE MONROE INSTITUTE PARCEL I.D. # 33 3 2C 2550 LF
8675+00	LL-08-116 WILLIAM D. & JUDY L. MATTHEWS PARCEL I.D. # 33 A 33 2 LF
8680+00	LL-08-117 N/F ROBERT G & JILL M WILLSON PARCEL I.D. # 45 A 20 166 LF
8685+00	LL-08-115 N/F ROBERT G & JILL M WILLSON PARCEL I.D. # 33 A 33A 322 LF
8690+00	LL-08-116 WILLIAM D. & JUDY L. MATTHEWS PARCEL I.D. # 33 A 33 575 LF
8695+00	LL-08-119 N/F ROBERT G & JILL M WILLSON PARCEL I.D. # 33 A 34A ROW ONLY 712 SF
8700+00	LL-08-114 N/F THE MONROE INSTITUTE PARCEL I.D. # 33 3 2C 480 LF
8705+00	LL-08-116 N/F WILLIAM D. & JUDY L. MATTHEWS PARCEL I.D. # 33 A 33 3206 LF
8710+00	
8715+00	
8720+00	
8726+00	



**LEGEND**

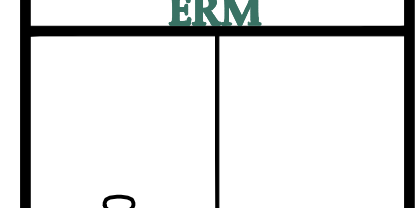
PROPERTY LINE	STORM SEWER	EXTRA WORK SPACE	TOPSOIL SEGREGATION AREA
FENCE	UNDERGROUND ELECTRIC	AREA OF NO DISTURBANCE	PROPOSED TEMPORARY R.O.W.
STREAM	WATER LINE	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	UTILITY POLE
EXISTING GAS PIPELINE	SANITARY SEWER	<b>NOTE: THE PE SEAL AND SIGNATURE APPLIES 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	TEMPORARY WATERBAR/SLOPE BREAKER
ACCESS ROAD	PROPOSED PERMANENT EASEMENT	STREAM CROSSING WITH ENHANCED CONTROLS	SLOPE DIRECTION
PROPOSED GAS PIPELINE	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	SLOPE DIRECTION ENTRANCE WITH DITCH	CULVERT WATERBAR

LOD	LIMIT OF DISTURBANCE
BSRF	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	

**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.
- 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 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.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BIC'S 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.

NO.	DATE	BY	CHKD.	APPVD.	DESCRIPTION



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

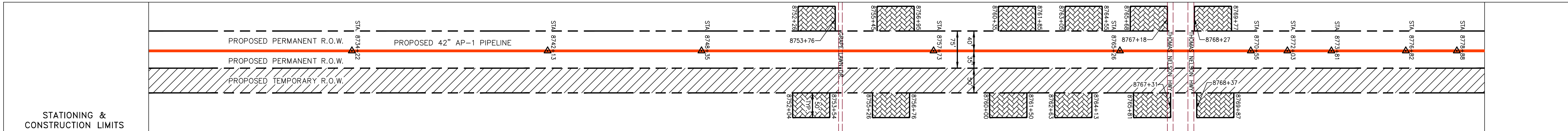
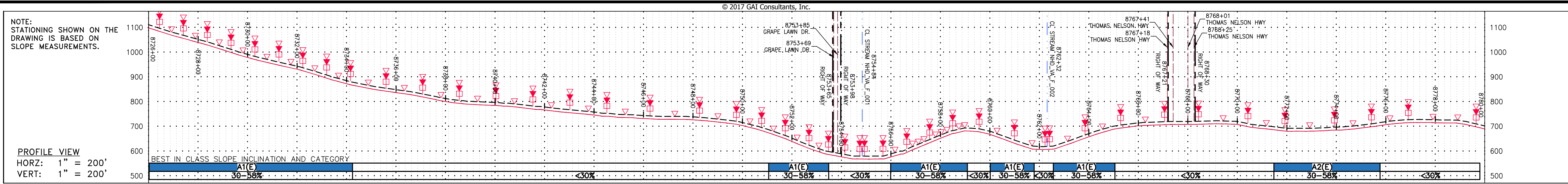
SCALE:	AS SHOWN
DATE:	3/24/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET



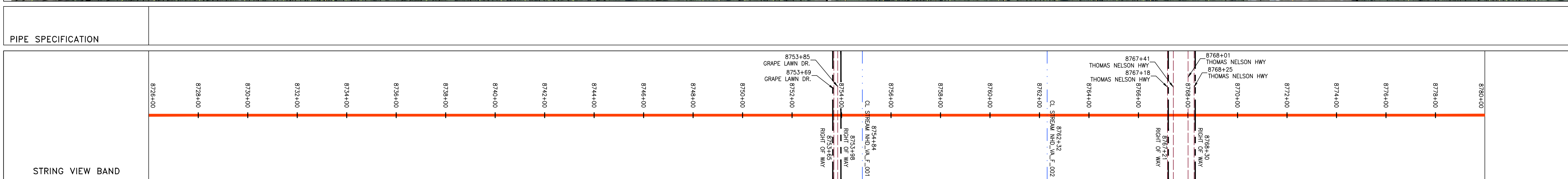
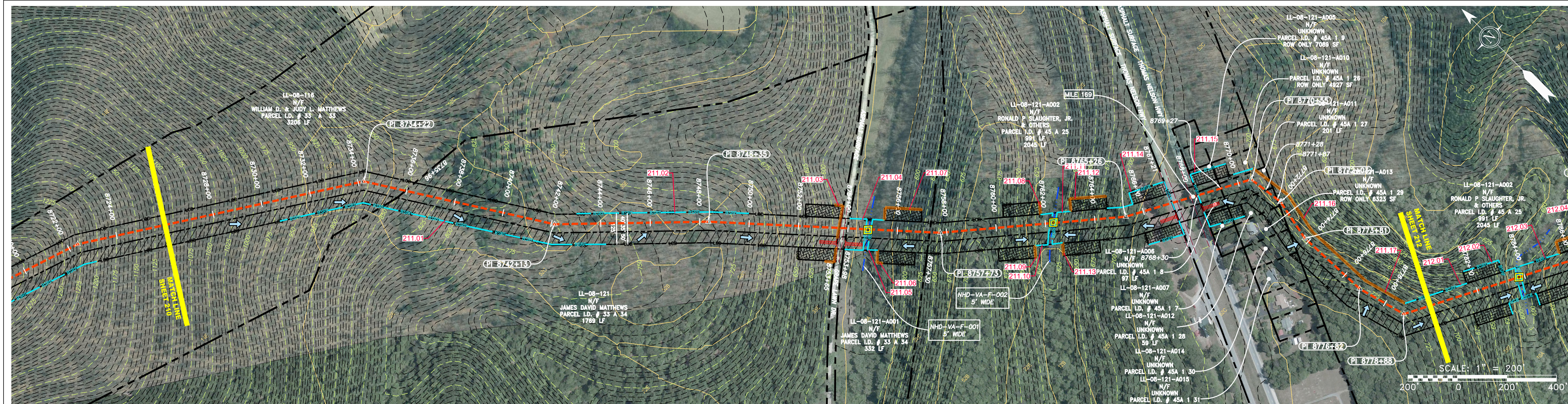
PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E210
210 OF 344	

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

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



STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
8734+00	LL-08-116 N/F WILLIAM D. & JUDY L. MATTHEWS PARCEL I.D. # 33 A 33 3206 LF
8735+96	LL-08-121 N/F JAMES DAVID MATTHEWS PARCEL I.D. # 33 A 34 1769 LF
8735+98	LL-08-121-A001 N/F JAMES DAVID MATTHEWS PARCEL I.D. # 33 A 34 332 LF
8737+30	LL-08-121-A002 N/F RONALD P. SLAUGHTER, JR & OTHERS PARCEL I.D. # 45 A 25 991 LF
8737+32	LL-08-121-A011 N/F UNKNOWN PARCEL I.D. # 45 A 27 201 LF
8737+33	LL-08-121-A006 N/F UNKNOWN PARCEL I.D. # 45 A 18 97 LF
8737+34	LL-08-121-A012 N/F UNKNOWN PARCEL I.D. # 45A 1 9 ROW ONLY 7089 SF
8737+35	LL-08-121-A010 N/F UNKNOWN PARCEL I.D. # 45A 1 28 ROW ONLY 4827 SF
8737+36	LL-08-121-A005 N/F UNKNOWN PARCEL I.D. # 45A 1 25 991 LF
8737+37	LL-08-121-A002 N/F RONALD P. SLAUGHTER, JR & OTHERS PARCEL I.D. # 45 A 25 2045 LF
8737+38	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+39	LL-08-121-A013 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+40	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+41	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+42	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+43	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+44	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+45	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+46	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+47	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+48	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+49	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+50	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+51	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+52	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+53	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+54	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+55	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+56	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+57	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+58	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+59	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+60	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+61	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+62	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+63	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+64	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+65	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+66	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+67	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+68	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+69	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+70	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+71	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+72	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+73	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+74	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+75	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+76	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+77	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+78	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+79	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+80	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+81	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+82	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+83	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+84	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+85	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+86	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+87	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+88	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+89	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF
8737+90	LL-08-121-A002 N/F UNKNOWN PARCEL I.D. # 45A 1 29 ROW ONLY 6325 SF



### 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	BELTED SILT RETENTION FENCE (BSRF)
ACCESS ROAD	PROPOSED PERMANENT EASEMENT	TEMPORARY WATERBAR/SLOPE BREAKER	STREAM CROSSING WITH ENHANCED CONTROLS
PROPOSED GAS PIPELINE	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	STREAM CROSSING	SEDIMENT BARRIER IDENTIFICATION
		CULVERT WATERBAR	CULVERT IDENTIFICATION

### 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.
- 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 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 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.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.5.5. 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.	DESCRIPTION

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

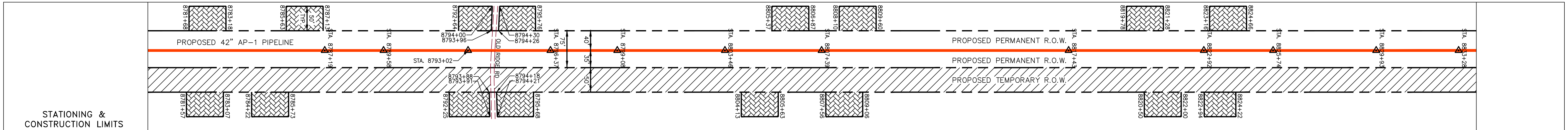
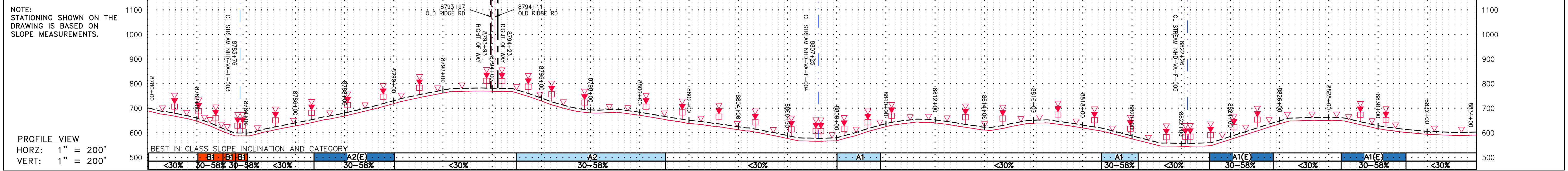
**42" AP-1 PIPELINE**  
CONSTRUCTION ALIGNMENT STA 8726+00 TO 8780+00

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

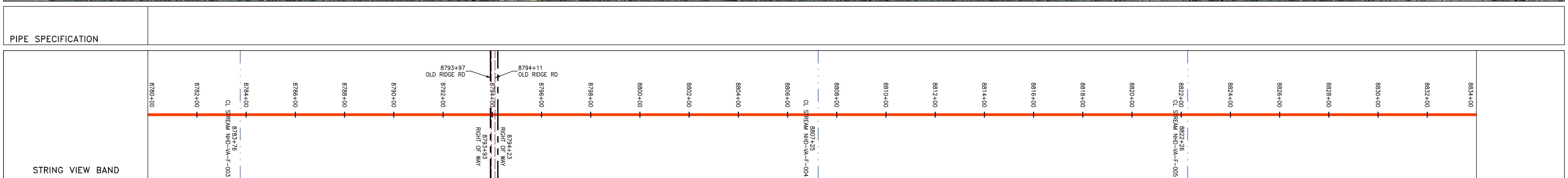
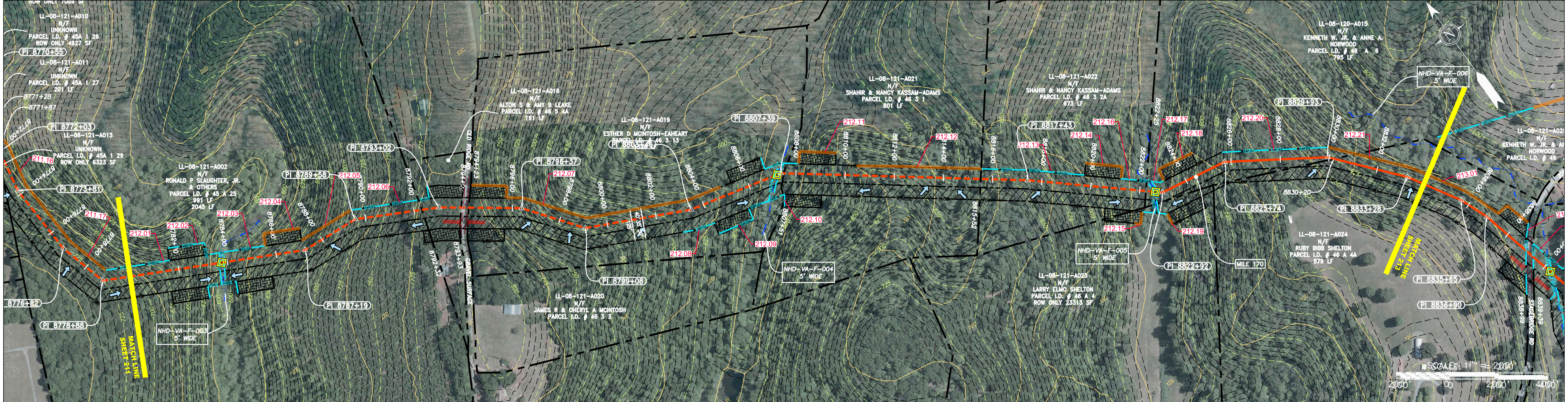
SCALE:	AS SHOWN
DATE:	3/24/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

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

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E211
1 OF 344	



STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
8771+87	LL-08-121-A002 N/F RONALD P SLAUGHTER, JR. & OTHERS PARCEL I.D. # 34 A 97 2045 LF
8793+32	LL-08-121-A018 N/F ALTON S & AMY B LEAKE PARCEL I.D. # 46 5 4A 161 LF
8794+23	LL-08-121-A019 N/F ESTHER D MCINTOSH-EAHEART PARCEL I.D. # 46 3 13 1328 LF
8807+15	LL-08-121-A021 N/F SHAHIR & NANCY KASSAM-ADAMS PARCEL I.D. # 46 3 1 801 LF
8815+52	LL-08-121-A022 N/F SHAHIR & NANCY KASSAM-ADAMS PARCEL I.D. # 46 3 2A 675 LF
8822+26	LL-08-121-A023 N/F LARRY ELMO SHELTON PARCEL I.D. # 46 A 4 ROW ONLY 23313 SF
8824+26	LL-08-121-A015 N/F KENNETH W. JR. & ANNE A. NORWOOD PARCEL I.D. # 46 A 6 795 LF
8830+20	LL-08-121-A024 N/F RUBY BIBB SHELTON PARCEL I.D. # 46 A 4A 879 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	TEMPORARY WATERBAR/SLOPE BREAKER
ACCESS ROAD	PROPOSED PERMANENT EASEMENT	STREAM CROSSING WITH ENHANCED CONTROLS	USFS WATER CROSSING WITH ENHANCED CONTROLS
PROPOSED GAS PIPELINE	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	SLOPE DIRECTION	SLOPE ENTRANCE WITH DITCH
		CULVERT WATERBAR	LOD
			BSRF
			COMPOSITE FILTER SOCK
			SEDIMENT BARRIER IDENTIFICATION
			CULVERT IDENTIFICATION
			ORANGE SAFETY FENCE
			ROADSIDE DITCH
			SOIL TYPE
			TYPICAL BIG SLOPE CATEGORY SLOPE INCLUSION

**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.
- 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 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 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.4.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.4.5. 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	DWN.	CHKD.	APPVD.	DESCRIPTION

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

**CONSTRUCTION ALIGNMENT STA 8780+00 TO 8834+00**

**AS SHOWN**  
 3/24/17  
 GPT  
 DLH  
 NET

**gai consultants**

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

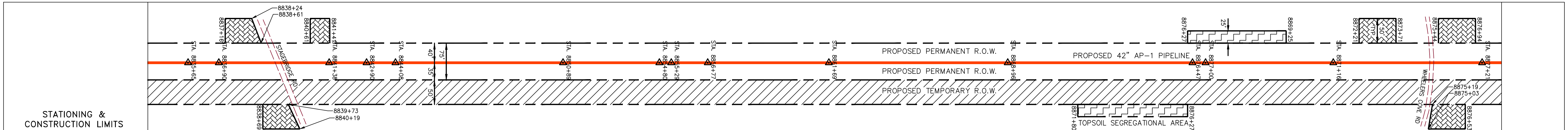
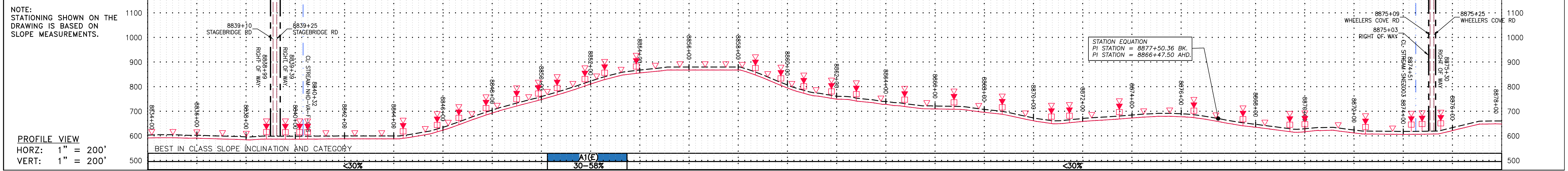
PROJECT NO./DASH NO.  
**140468**

TASK NO. SUB TASK NO.  
**005 00**

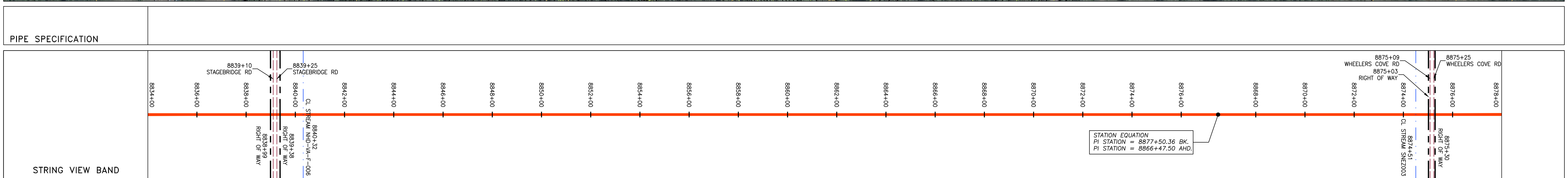
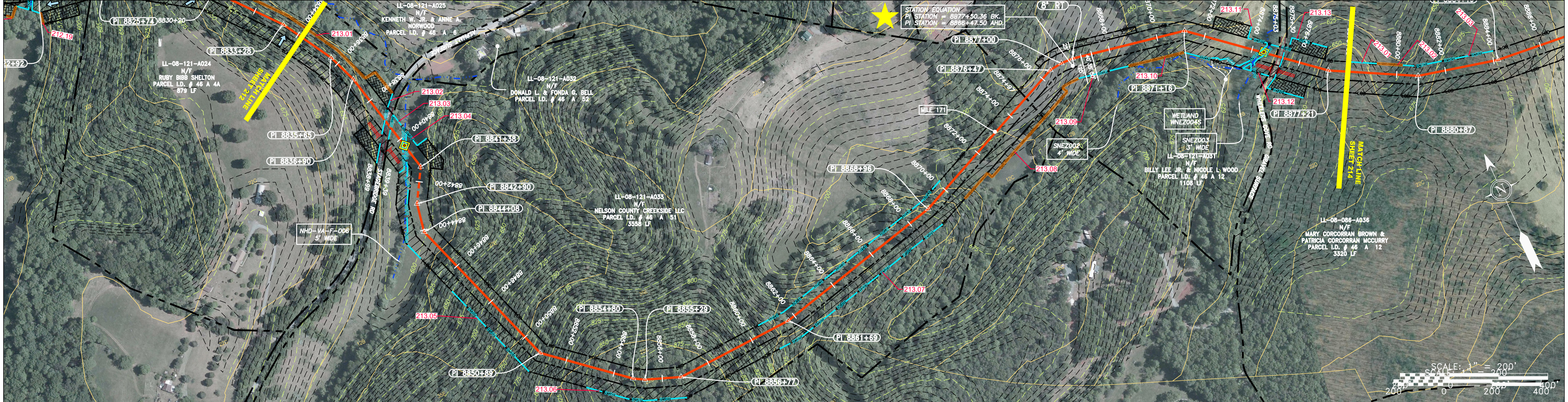
GROUP ID DRAWING NO.  
**D E212**

212 OF 344

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



PROPERTY OWNERSHIP
LL-08-121-A024 N/F RUBY BIBB SHELTON PARCEL I.D. # 46 A 4A 879 LF
LL-08-121-A033 N/F NELSON COUNTY CREEKSIDE LLC PARCEL I.D. # 46 A 51 3558 LF
LL-08-121-A031 N/F BILLY LEE JR. & NICOLE L. WOOD PARCEL I.D. # 46 A 12A 1108 LF
LL-08-086-A036 N/F MARY CORCORAN BROWN & PATRICIA CORCORAN MCCURRY PARCEL I.D. # 46 A 12 3320 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
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
	EXTRA WORK SPACE
	AREA OF NO DISTURBANCE
	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)
	TOPSOIL SEGREGATION AREA
	PROPOSED TEMPORARY R.O.W.
	UTILITY POLE

	PERMANENT WATERBAR/SLOPE BREAKER
	TEMPORARY WATERBAR/SLOPE BREAKER
	STREAM CROSSING
	SLOPE DIRECTION
	CONSTRUCTION ENTRANCE WITH DITCH
	CULVERT AS NEEDED
	CULVERT WATERBAR
	LOD
	BSRF
	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 INCLUSION

**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.
- 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 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.
- 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, 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.

NO.	DATE	APPD.	CHKD.	DWN.	DESCRIPTION

**42" AP-1 PIPELINE**  
CONSTRUCTION ALIGNMENT STA 8834+00 TO 8878+00

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

**Professional Engineer**  
DANIEL R. GOLDSTEIN  
Lic. No. 047436

**ERM**

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

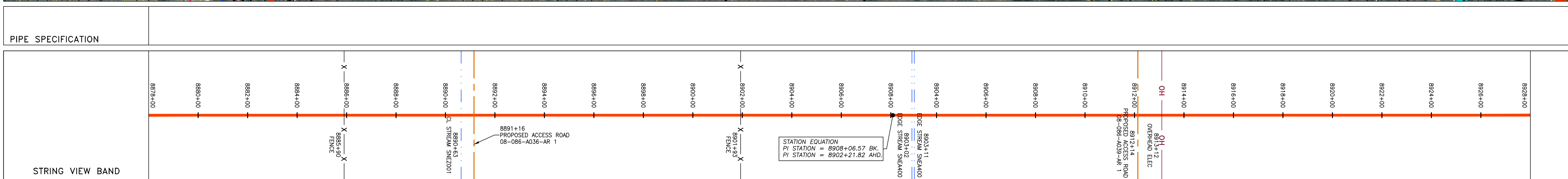
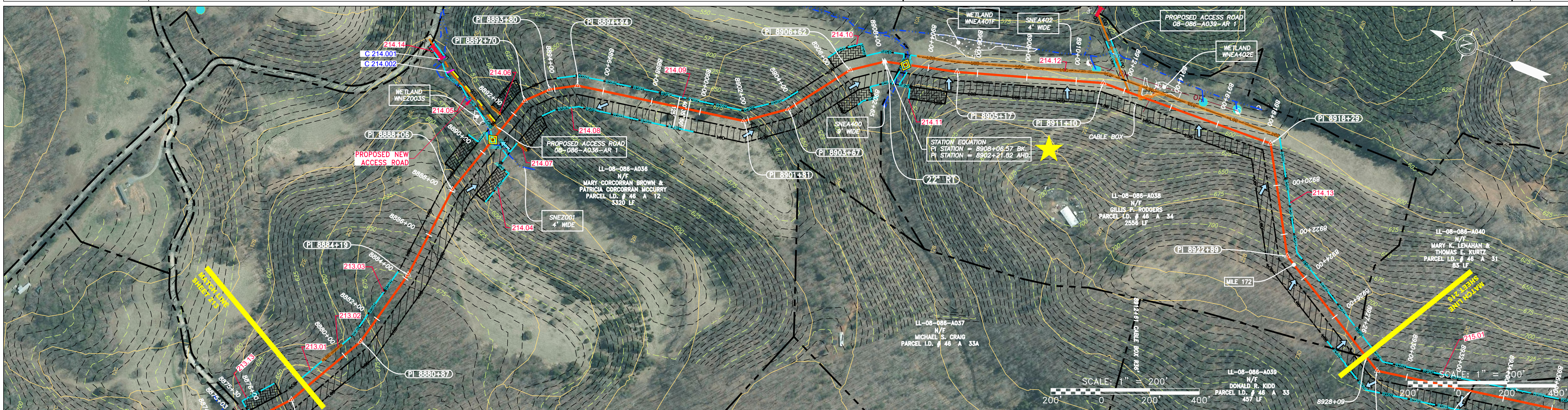
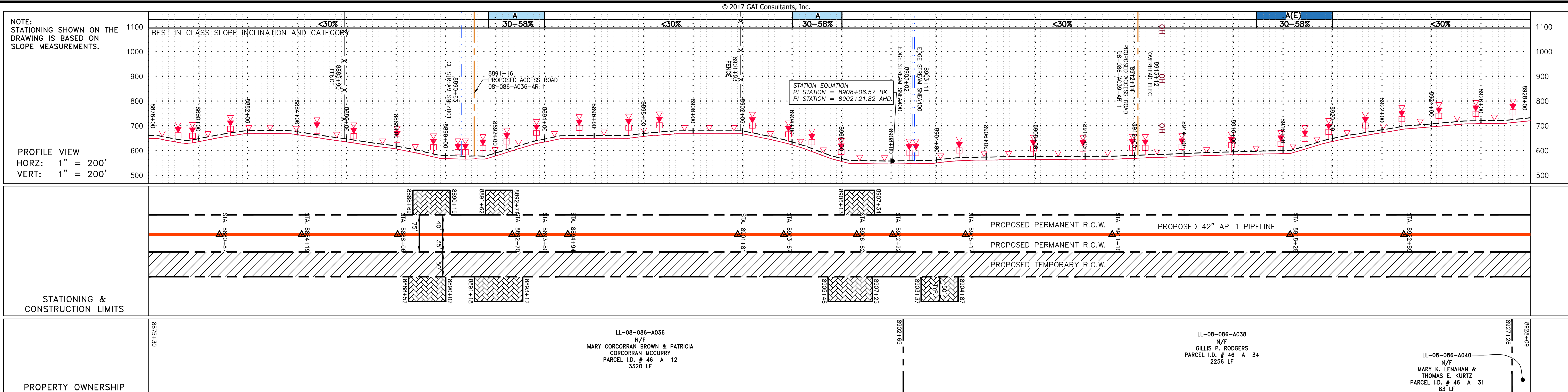
**gai consultants**

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 E213
213 OF 344	



GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 4\SEC 4 SHEETS - 211-216 (6-10).DWG



**LEGEND**

PROPERTY LINE	STORM SEWER	EXTRA WORK SPACE	LIMIT OF DISTURBANCE
FENCE	UNDERGROUND ELECTRIC	AREA OF NO DISTURBANCE	BELTED SILT RETENTION FENCE (BSRF)
STREAM	WATER LINE	TOPSOIL SEGREGATION AREA	COMPOSITE FILTER SOCK
EXISTING GAS PIPELINE	SANITARY SEWER	PROPOSED TEMPORARY R.O.W.	SEDIMENT BARRIER IDENTIFICATION
OVERHEAD UTILITY LINES	EDGE OF GRAVEL	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	CULVERT IDENTIFICATION
ACCESS ROAD	PROPOSED PERMANENT EASEMENT	UTILITY POLE	ORANGE SAFETY FENCE
PROPOSED GAS PIPELINE	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		ROADSIDE DITCH

**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.
- 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 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.
- 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, 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.

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

**DANIEL R. GOLDSTEIN**  
 Lic. No. 047436

**42" AP-1 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 8878+00 TO 8928+00**  
 NELSON 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

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

PROJECT NO./DASH NO. **140468**

TASK NO. SUB TASK NO. **005 00**

GROUP ID DRAWING NO. **D E214**

**214 OF 344**