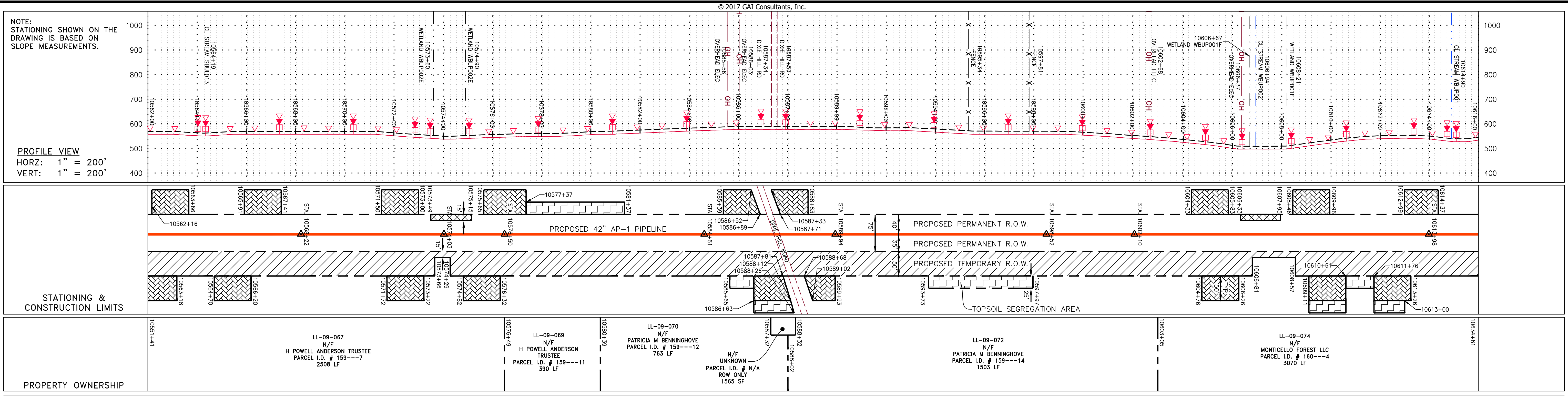
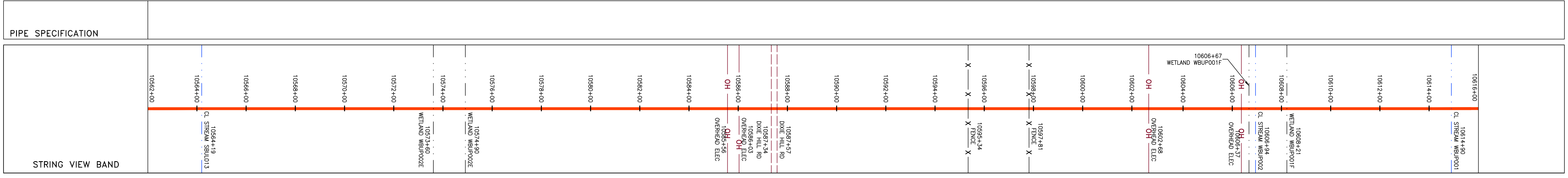
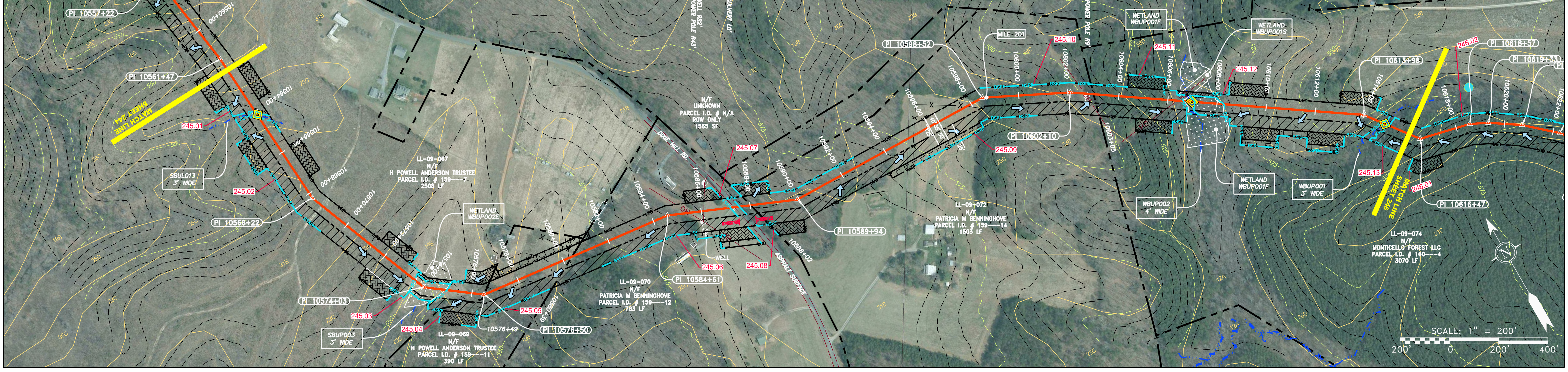


GAI CAD FILE NO. R:\050-5159 - GAI, INC. - THRASHER - SERP - MAPPING SURVEY DRAWING SEC 4 SEC 4 SHEETS - 245-246 (37-38).DWG



STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
10562+00	LL-09-067 N/F H POWELL ANDERSON TRUSTEE PARCEL I.D. # 159---7 2508 LF
10574+00	LL-09-069 N/F H POWELL ANDERSON TRUSTEE PARCEL I.D. # 159---11 390 LF
10584+00	LL-09-070 N/F PATRICIA M BENNINGHOVE PARCEL I.D. # 159---12 783 LF
10594+00	N/F UNKNOWN PARCEL I.D. # N/A ROW ONLY 1565 SF
10604+00	LL-09-072 N/F PATRICIA M BENNINGHOVE PARCEL I.D. # 159---14 1503 LF
10616+00	LL-09-074 N/F MONTICELLO FOREST LLC PARCEL I.D. # 160---4 3070 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 (NO GROUND SURVEY)		PROPOSED TEMPORARY R.O.W.

	EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA
	AREA OF NO DISTURBANCE		UTILITY POLE
	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		

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		COMPOSITE FILTER SOCK
	STREAM CROSSING		SEDIMENT BARRIER IDENTIFICATION
	USFS STREAM CROSSING WITH ENHANCED CONTROLS		CULVERT IDENTIFICATION
	SLOPE DIRECTION		ORANGE SAFETY FENCE
	CONSTRUCTION ENTRANCE WITH DITCH		ROADSIDE DITCH
	CULVERT WATERBAR		SOIL TYPE

**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 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.

REVISIONS		DESCRIPTION
NO.	DATE	DWN.

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

**42" AP-1 PIPELINE**  
CONSTRUCTION ALIGNMENT STA 10562+00 TO 10616+00  
BUCKINGHAM COUNTY, VIRGINIA

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

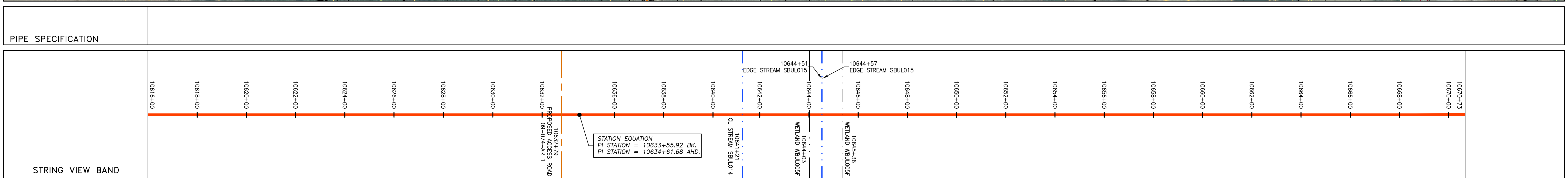
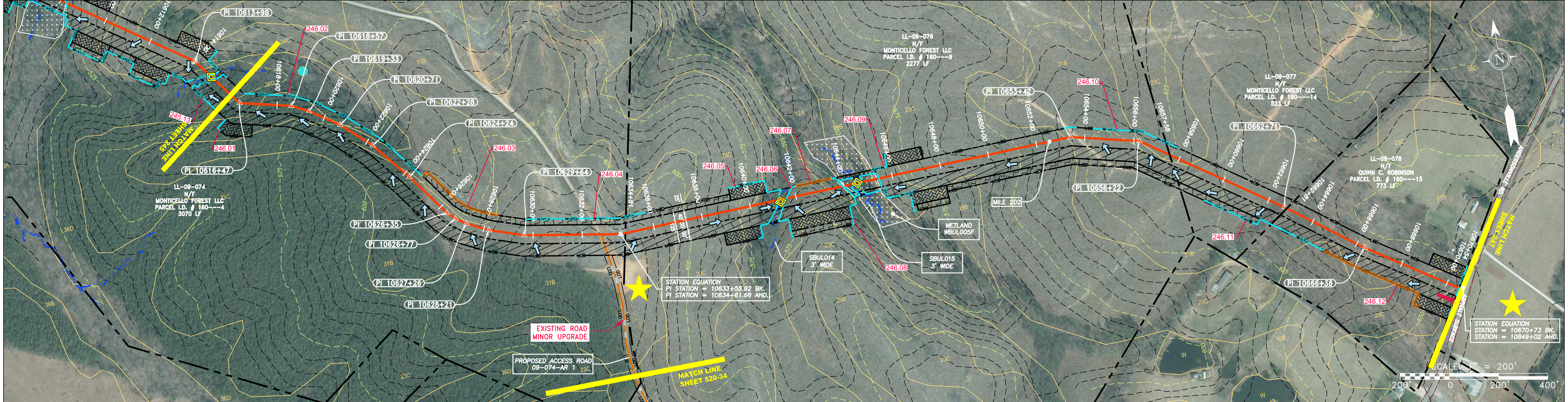
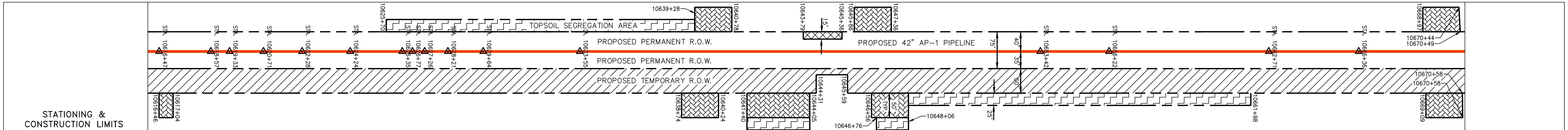
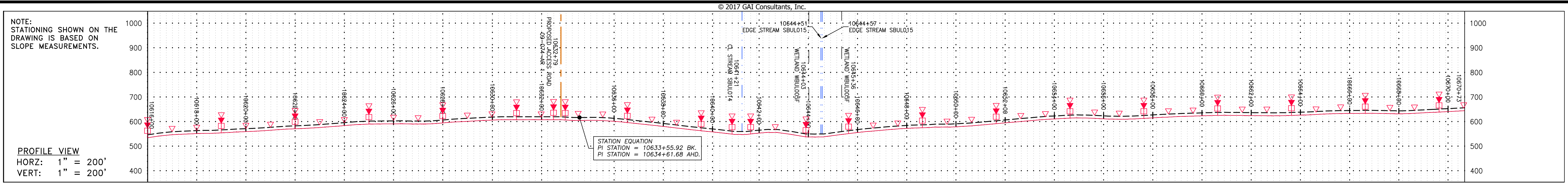
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DATE:	3/24/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

**gai consultants**

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

PROJECT NO./DASH NO.	<b>140468</b>	
TASK NO. SUB TASK NO.	<b>005</b>	<b>00</b>
GROUP ID DRAWING NO.	<b>D</b>	<b>E245</b>
DATE	<b>2017 03 24</b>	

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 4\SEC 4 SHEETS - 245-246 (37-38).DWG



LEGEND	
	PROPERTY LINE
	STORM SEWER
	UNDERGROUND ELECTRIC
	STREAM
	EXISTING GAS PIPELINE
	OVERHEAD UTILITY LINES
	ACCESS ROAD
	PROPOSED GAS PIPELINE
	WATER LINE
	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		LOD		LIMIT OF DISTURBANCE
	TEMPORARY WATERBAR/SLOPE BREAKER		BSRF		BELTED SILT RETENTION FENCE (BSRF)
	TRENCH BREAKER/PLUG		111.03		COMPOST FILTER SOCK
	STREAM CROSSING		C 111.01		SEDIMENT BARRIER IDENTIFICATION
	USFWS CROSSING WITH ENHANCED CONTROLS		30-58%		CULVERT IDENTIFICATION
	SLOPE DIRECTION				ORANGE SAFETY FENCE
	CONSTRUCTION ENTRANCE WITH DITCH				ROADSIDE DITCH
	CULVERT AS NEEDED				SOIL TYPE
	CULVERT WATERBAR				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.
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- 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.
- EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.A.S. FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.A.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	DWN.	CHKD.	APPVD.	DESCRIPTION

**DANIEL R. GOLDSTEIN**  
 PROFESSIONAL ENGINEER

**ERM**

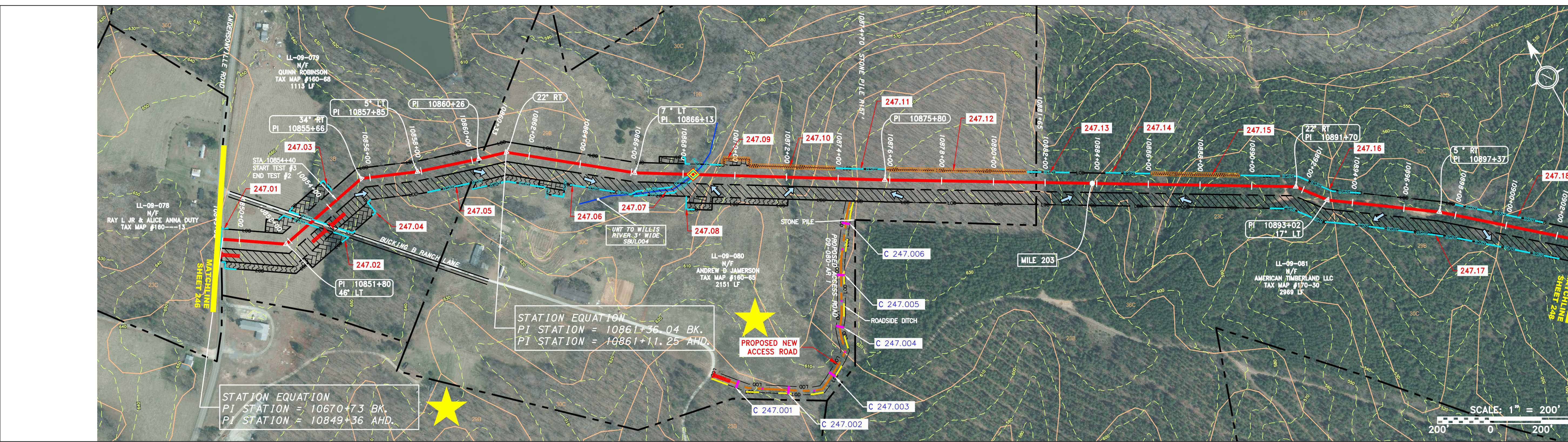
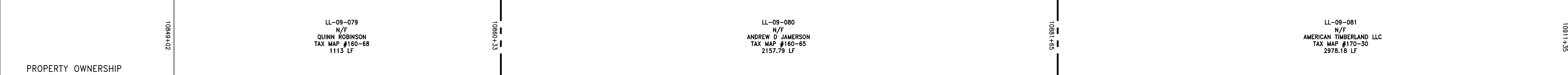
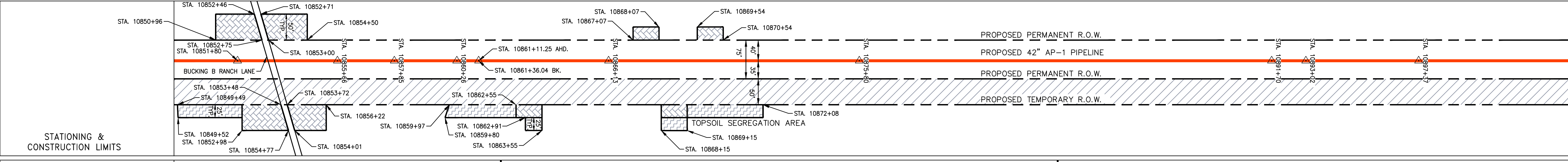
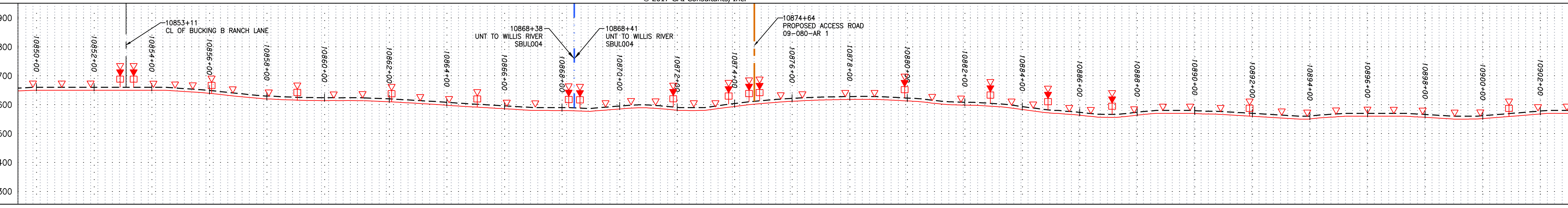
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

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

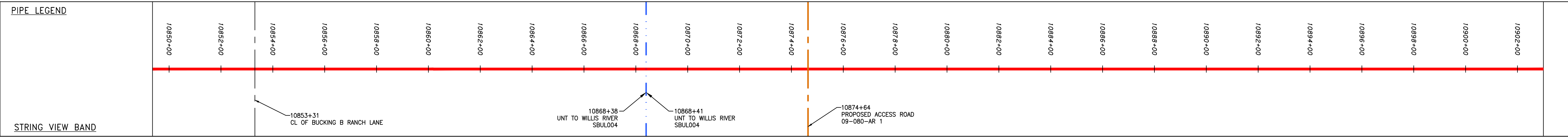
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TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E246
246 OF 344	

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

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



PIPE SPECIFICATION



**LEGEND**

—	PROPERTY LINE	—	STORM SEWER	—	EXTRA WORK SPACE	—	TOPSOIL SEGREGATION AREA	—	LOD	—	LIMIT OF DISTURBANCE	1.	COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.	
X X	FENCE	— E —	UNDERGROUND ELECTRIC	—	AREA OF NO DISTURBANCE	—	PROPOSED TEMPORARY R.O.W.	— BSRF —	BSRF	—	BELTED SILT RETENTION FENCE (BSRF)	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.	
— G —	EXISTING GAS PIPELINE	— W —	WATER LINE	—	WETLAND	—	UTILITY POLE	—	111.03	—	COMPOST FILTER SOCK	3.	ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.	
— OH —	OVERHEAD UTILITY LINES	— SAN —	SANITARY SEWER	—	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).	—	—	—	C 111.001	—	SEDIMENT BARRIER IDENTIFICATION	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.	
—	PROPOSED GAS PIPELINE	—	PROPOSED PERMANENT EASEMENT	—		—	—	—	X	—	ORANGE SAFETY FENCE	5.	ALL STATIONING SHOWN IS SLOPE STATIONING.	
—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	—	—	—		—	—	—	—	—	ROADSIDE DITCH	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.	
—	—	—	—	—		—	—	—	—	—	SOIL TYPE	7.	EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.	
—	—	—	—	—		—	—	—	—	—	—	—	8.	BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
—	—	—	—	—		—	—	—	—	—	—	—	9.	IMPROVEMENTS AND J) NEW ROADS. APPROPRIATE EROSION AND SEDIMENTATION 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 1 AND 4.
—	—	—	—	—		—	—	—	—	—	—	—	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 SEDIMENTATION 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 1 AND 4.
—	—	—	—	—		—	—	—	—	—	—	—	11.	EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.
—	—	—	—	—		—	—	—	—	—	—	—	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 WORK 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.

**REVISIONS**

NO.	DATE	BY	APPD.	DESCRIPTION

**Professional Engineer**  
 Daniel R. Goldstein  
 Lic. No. 047436

**ERM**

42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA 10849+36 TO 10903+00  
 BUCKINGHAM COUNTY, VIRGINIA

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

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: SAQ  
 CHECKED: DLH  
 APPROVED: NET

**gai consultants**

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

PROJECT NO./DASH NO.  
 C140468

TASK NO. SUB TASK NO.  
 005 00

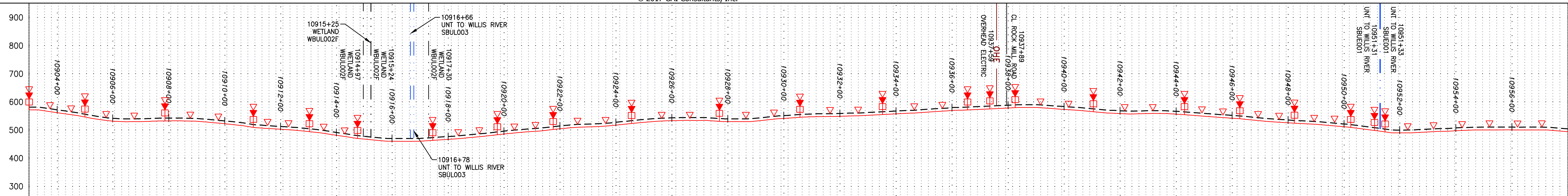
GROUP ID DRAWING NO.  
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247 OF 344

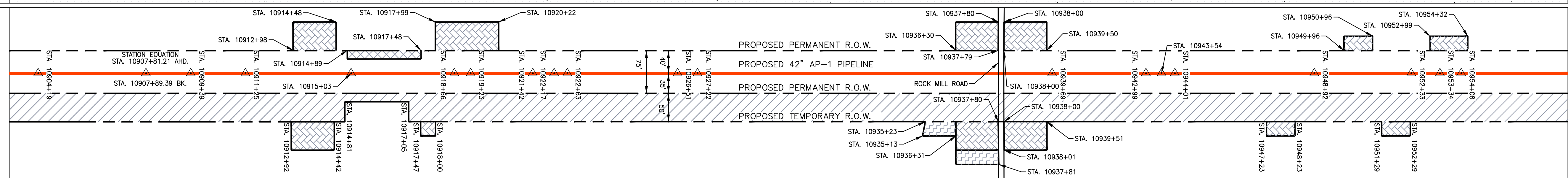
4/3/2017 11:04 AM

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

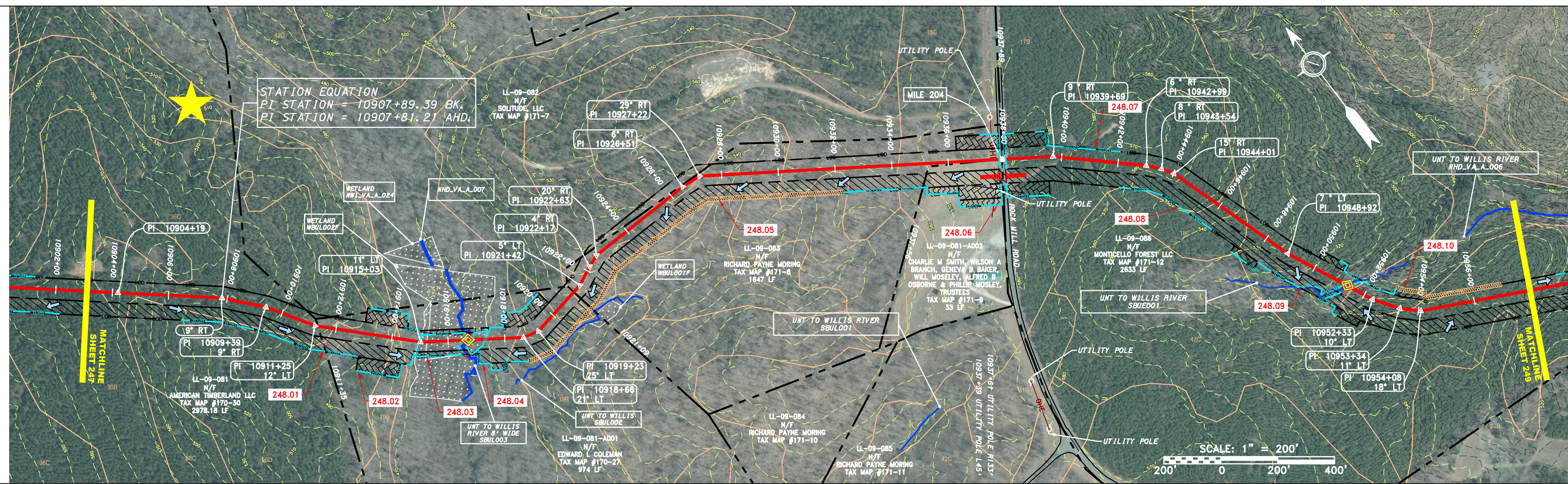
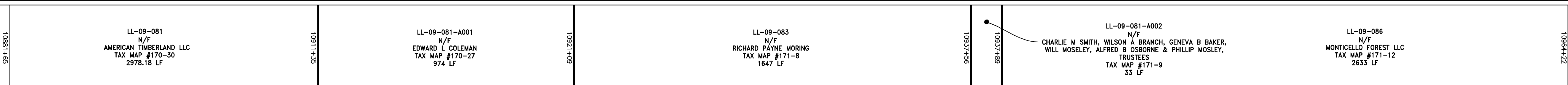
PROFILE VIEW  
 HORZ: 1" = 200'  
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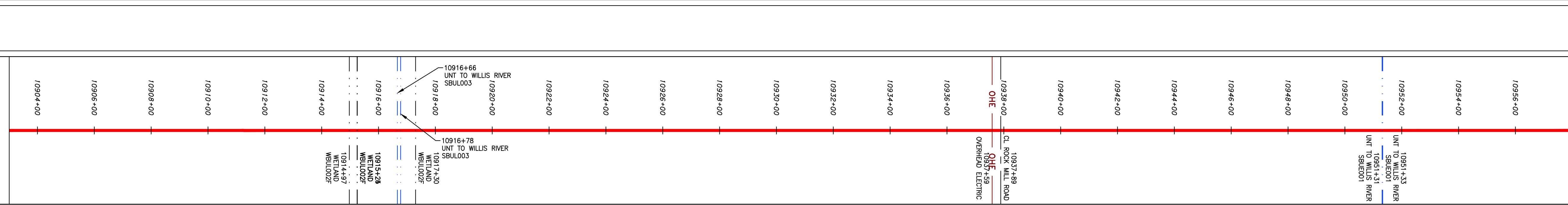
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



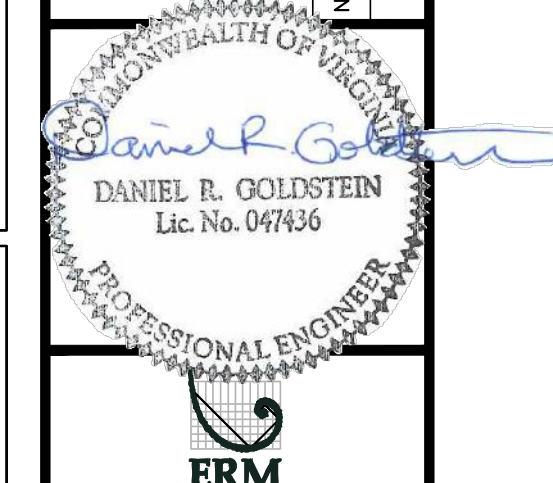
PIPE SPECIFICATION



LEGEND

<p>PROPERTY LINE</p> <p>FENCE</p> <p>STREAM</p> <p>EXISTING GAS PIPELINE</p> <p>OVERHEAD UTILITY LINES</p> <p>ACCESS ROAD</p> <p>PROPOSED GAS PIPELINE</p>	<p>STORM SEWER</p> <p>UNDERGROUND ELECTRIC</p> <p>WATER LINE</p> <p>SANITARY SEWER</p> <p>EDGE OF GRAVEL</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>SLEEP</p> <p>SLOPE DIRECTION</p> <p>CONSTRUCTION ENTRANCE WITH DITCH</p> <p>CULVERT AS NEEDED</p> <p>CULVERT/WATERBAR</p>	<p>LOD</p> <p>BSRF</p> <p>111.03</p> <p>C 111.00</p> <p>X</p> <p>CuB</p> <p>A1 (F)</p> <p>30-58%</p>	<p>LIMIT OF DISTURBANCE</p> <p>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 BIC SLOPE CATEGORY</p> <p>SLOPE INCLINATION</p>	<p>NOTES:</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>BARRIER LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.</li> <li>BELTED SILT RETENTION FENCE AND COMPOST FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO ELIMINATE EXCESSIVE DETAIL. SEDIMENT TRAP LOCATIONS SHALL BE INSTALLED IN AREAS OF 3% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.</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 MATING SHALL BE PLACED IN AREAS OF 3% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE 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 CONTROL WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE APPROPRIATE EXISTING DRAINAGE DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 2 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 4.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION 4.5.5. 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.</li> </ol>
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NO.	DATE	BY	CHKD.	APP'D.	DESCRIPTION

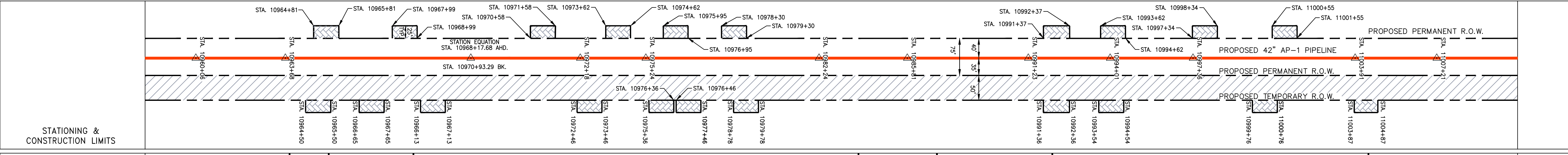
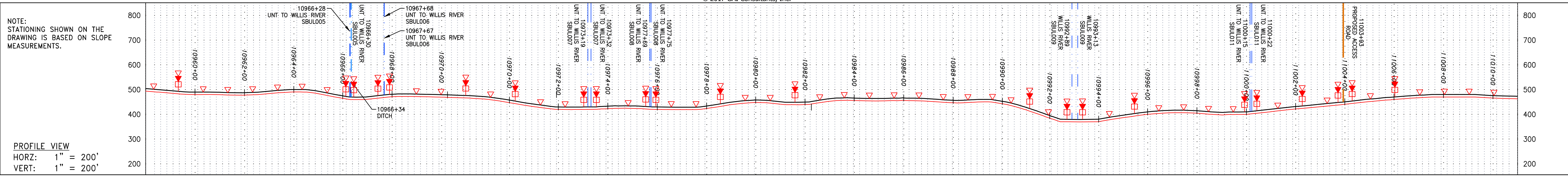


42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA 10903+00 TO 10958+00  
 BUCKINGHAM COUNTY, VIRGINIA  
 ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

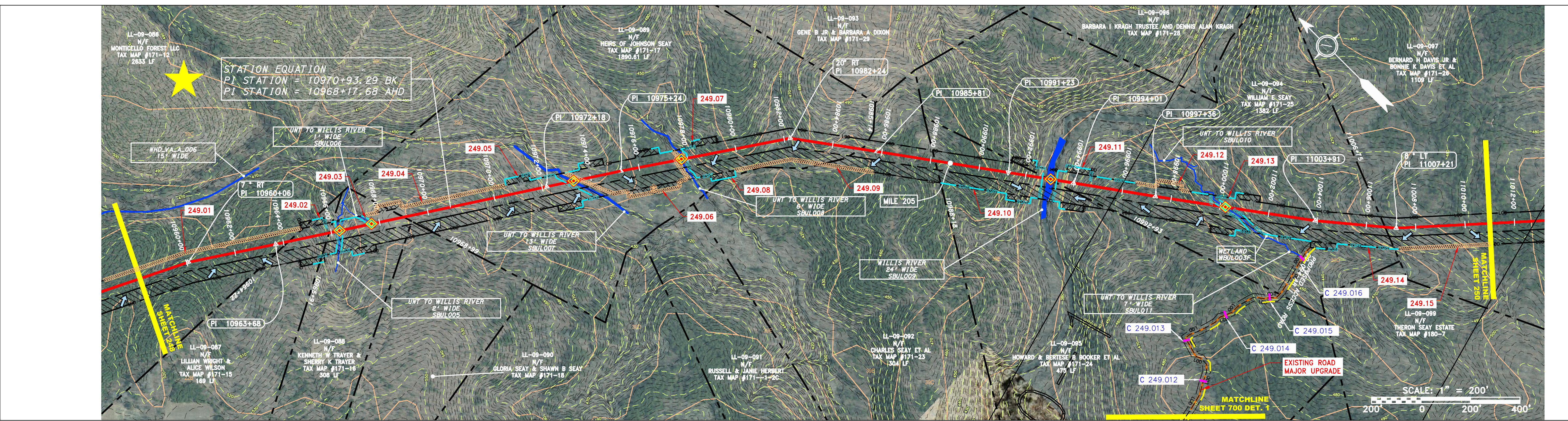


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TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E248
248 OF 344	



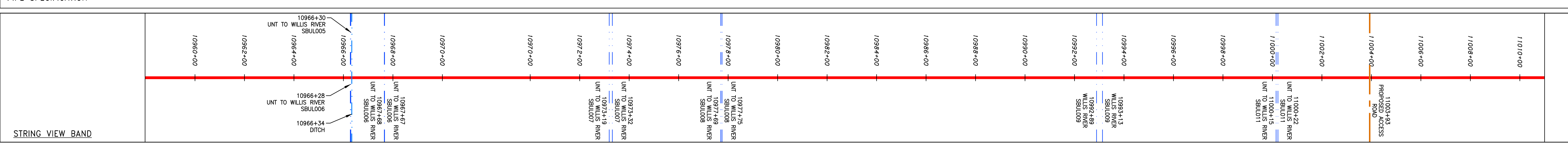
PROPERTY OWNERSHIP

10937+89	LL-09-086 N/F MONTICELLO FOREST LLC TAX MAP #171-12 2633 LF	10964+81	LL-09-087 N/F LILLIAN WRIGHT & ALICE WILSON TAX MAP #171-15 169 LF	10966+34	LL-09-088 N/F KENNETH W. TRAYER & SHERRY K. TRAYER TAX MAP #171-16 308 LF	10970+00	LL-09-089 N/F HEIRS OF JOHNSON SEAY TAX MAP #171-17 1890.61 LF	10972+00	LL-09-092 N/F CHARLES SEAY ET AL TAX MAP #171-23 304 LF	10982+00	LL-09-095 N/F HOWARD & BERTESSE B. BOOKER ET AL TAX MAP #171-24 475 LF	10992+00	LL-09-094 N/F WILLIAM E. SEAY TAX MAP #171-25 1382 LF	11004+87	LL-09-097 N/F BERNARD H. DAVIS JR. & BONNIE K. DAVIS ET AL TAX MAP #171-26 1109 LF	11017+84
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PIPE SPECIFICATION

10960+00	10962+00	10964+00	10966+00	10968+00	10970+00	10972+00	10974+00	10976+00	10978+00	10980+00	10982+00	10984+00	10986+00	10988+00	10990+00	10992+00	10994+00	10996+00	10998+00	11000+00	11002+00	11004+00	11006+00	11008+00	11010+00
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LEGEND

—	PROPERTY LINE	—	STORM SEWER	▨	EXTRA WORK SPACE	▨	TOPSOIL SEGREGATION AREA	▨	PERMANENT WATERBAR/SLOPE BREAKER	—	LOD	—	LIMIT OF DISTURBANCE	1.	COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
X-X	FENCE	—E—	UNDERGROUND ELECTRIC	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	▨	TEMPORARY WATERBAR/SLOPE BREAKER	—BSRF—	BELTED SILT RETENTION FENCE (BSRF)	—	COMPOST FILTER SOCK	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.
—G—	EXISTING GAS PIPELINE	—W—	WATER LINE	▨	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	▨	UTILITY POLE	▨	TRENCH BREAKER/PLUG	—C 111.003	SEDIMENT BARRIER IDENTIFICATION	—	ORANGE SAFETY FENCE	3.	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.
—OH—	OVERHEAD UTILITY LINES	—SAN—	SANITARY SEWER	▨	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).	▨		▨	STREAM CROSSING	—C 249.012	ROADSIDE DITCH	—	ROADSIDE DITCH	4.	STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
—	ACCESS ROAD	—	PROPOSED PERMANENT EASEMENT						USPWS STREAM CROSSING WITH ENHANCED CONTROLS	—C 249.013	SOIL TYPE	—	SOIL TYPE	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.
—	PROPOSED GAS PIPELINE	—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)						SEEP	—C 249.014	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION	—	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION	6.	ALL STATIONING SHOWN IS SLOPE STATIONING.

NOTES:  
 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. 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.  
 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. BELTED SILT RETENTION FENCE AND COMPOST FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BARRIER LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.  
 8. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.  
 9. EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 3% 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 CONTROL 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 INQUIRY SHEET OF THIS PLAN SET.  
 12. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.A.5 FEDERAL ENVIRONMENTAL REGULATORY COMMISSION (FERC) UP-LAND 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

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

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

ERM

42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA. 10958+00 TO 11011+00  
 BUCKINGHAM COUNTY, VIRGINIA

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

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

gai consultants

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

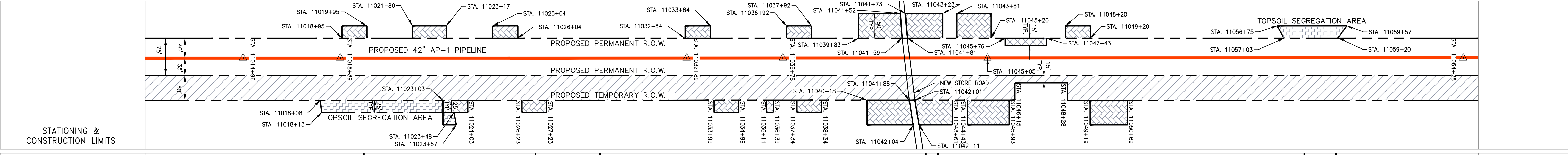
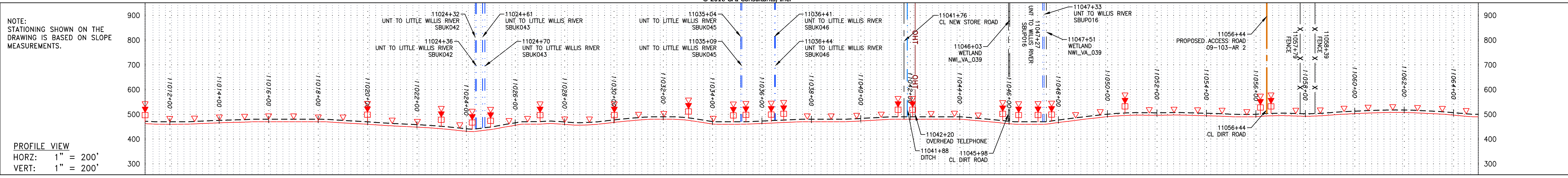
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TASK NO. SUB TASK NO.  
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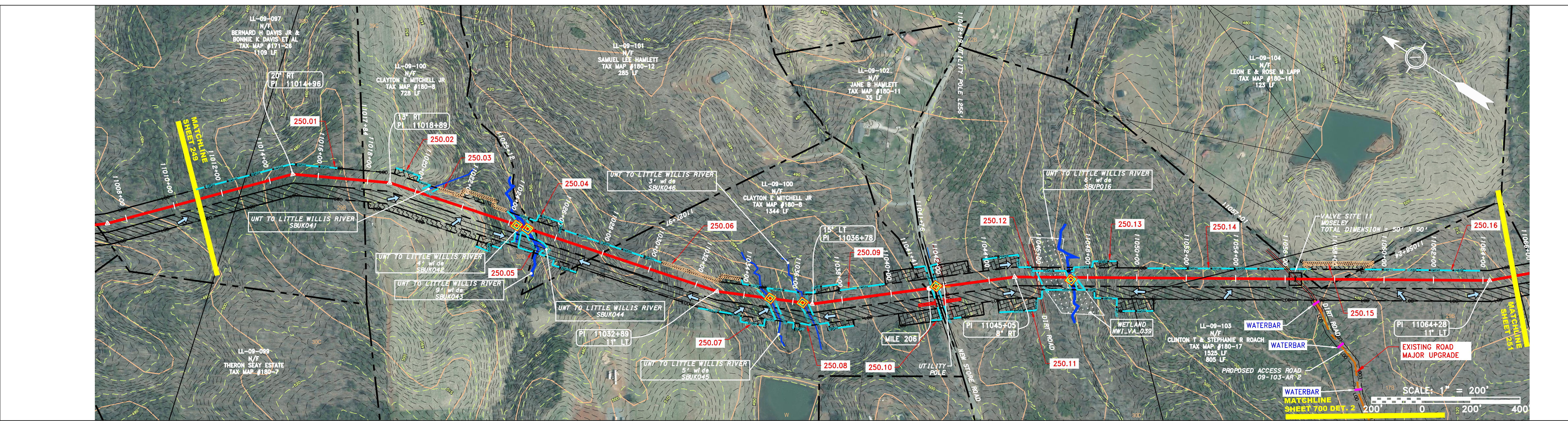
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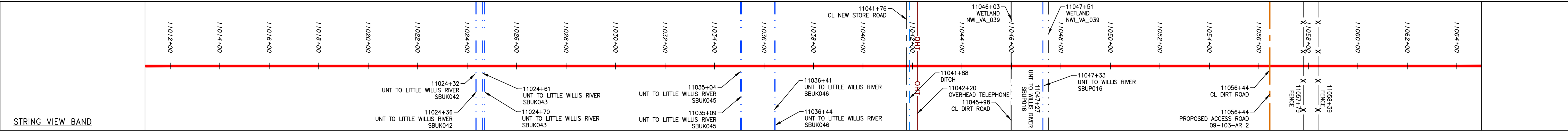
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PROPERTY OWNERSHIP	11008+75	11017+84	11023+12	11029+39	11034+99	11041+41	11044+23	11049+19	11054+00	11058+24	11064+00
LL-09-097 N/F BERNARD H DAVIS JR & BONNIE K DAVIS ET AL TAX MAP #171-26 1109 LF	LL-09-100 N/F CLAYTON E MITCHELL JR TAX MAP #180-8 728 LF	LL-09-101 N/F SAMUEL LEE HAMLETT TAX MAP #180-12 285 LF	LL-09-100 N/F CLAYTON E MITCHELL JR TAX MAP #180-8 1344 LF	LL-09-102 N/F JANE B HAMLETT TAX MAP #180-11 55 LF	LL-09-103 N/F CLINTON T & STEPHANIE R ROACH TAX MAP #180-17 1525 LF	LL-09-103 N/F CLINTON T & STEPHANIE R ROACH TAX MAP #180-17 805 LF					



PIPE SPECIFICATION



**LEGEND**

— — — — —	PROPERTY LINE	— — — — —	STORM SEWER	— — — — —	LOD	— — — — —	LIMIT OF DISTURBANCE	<b>NOTES:</b>	1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
X X	FENCE	E	UNDERGROUND ELECTRIC	[Hatched Box]	BSRF	[Hatched Box]	BELTED SILT RETENTION FENCE (BSRF)	2. STREAM AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GIS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.	3. ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
— — — — —	STREAM	W	WATER LINE	[Hatched Box]	[Hatched Box]	[Hatched Box]	COMPOST FILTER SOCK	4. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.	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.
G G	EXISTING GAS PIPELINE	— — — — —	SAN	[Hatched Box]	[Hatched Box]	[Hatched Box]	SEDIMENT BARRIER IDENTIFICATION	6. EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH IS INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.	7. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
OH	OVERHEAD UTILITY LINES	— — — — —	EDGE OF GRAVEL	[Hatched Box]	[Hatched Box]	[Hatched Box]	CULVERT IDENTIFICATION	8. EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH IS INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.	9. EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH IS INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.
— — — — —	ACCESS ROAD	— — — — —	PROPOSED PERMANENT EASEMENT	[Hatched Box]	[Hatched Box]	[Hatched Box]	ORANGE SAFETY FENCE	10. EXISTING ROADS MAJOR IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENTATION 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 1 AND 2.	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 SEDIMENTATION 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 1 AND 2.
— — — — —	PROPOSED GAS PIPELINE	— — — — —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Hatched Box]	[Hatched Box]	[Hatched Box]	ROADSIDE DITCH	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.S FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.A.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.

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

REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

DANIEL R. GOLDSTEIN  
 Lic. No. 047436  
 ERM

ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 BUCKINGHAM COUNTY, VIRGINIA

CONSTRUCTION ALIGNMENT STA 11011+00 TO 11065+00

SCALE: AS SHOWN

DATE: 11/23/2016

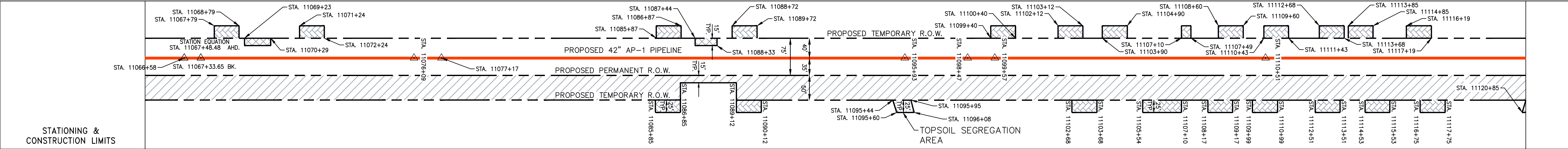
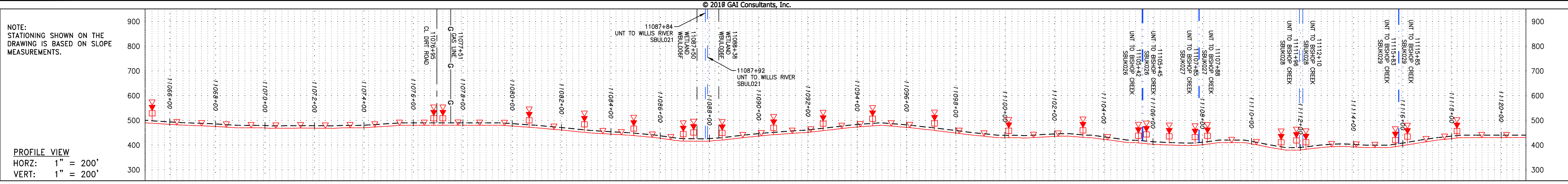
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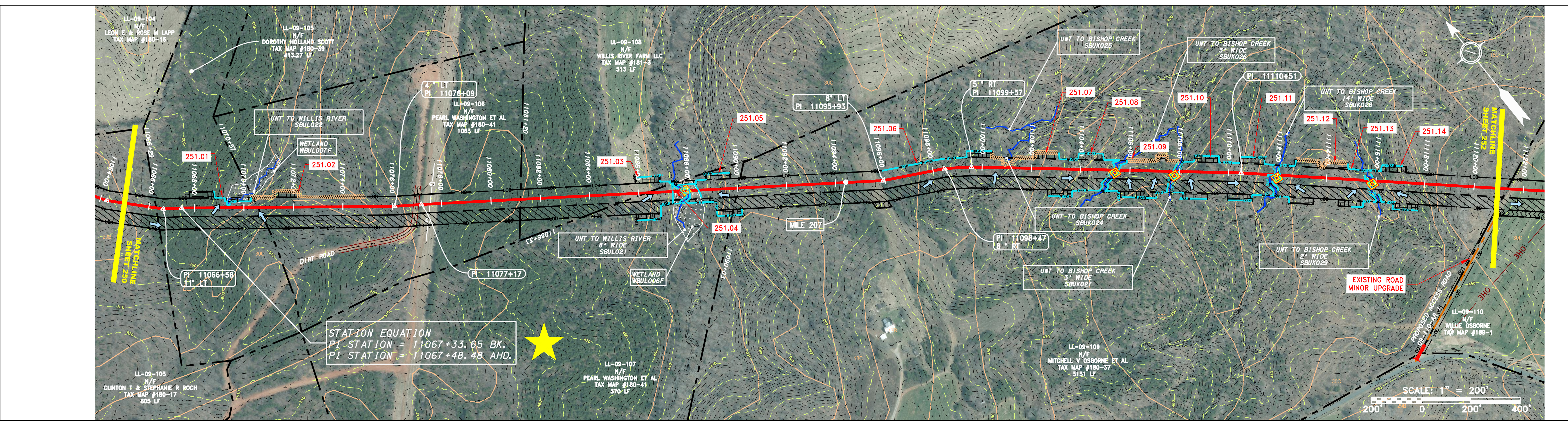
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SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-873-3545

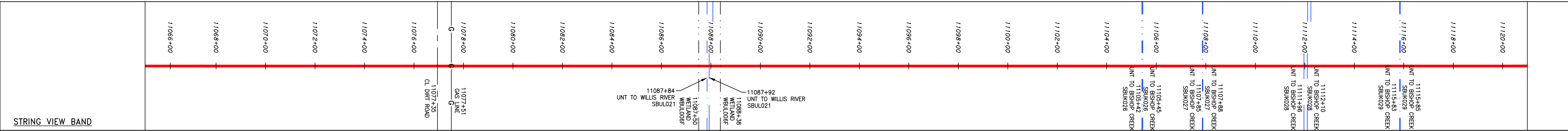
PROJECT NO./DASH NO.	C140468
TASK NO./SUB TASK NO.	005 / 00
GROUP ID / DRAWING NO.	D / E250
250 OF 344	



PROPERTY OWNERSHIP
LL-09-103 CLINTON T & STEPHANIE R ROACH TAX MAP #180-17 805 LF
LL-09-105 DOROTHY HOLLAND SCOTT TAX MAP #180-39 413.27 LF
LL-09-106 PEARL WASHINGTON ET AL TAX MAP #180-41 1063 LF
LL-09-108 WILLIS RIVER FARM LLC TAX MAP #181-3 513 LF
LL-09-107 PEARL WASHINGTON ET AL TAX MAP #180-41 370 LF
LL-09-109 MITCHELL V OSBORNE ET AL TAX MAP #180-37 3131 LF



PIPE SPECIFICATION NOT TO SCALE



**LEGEND**

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

**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 ON THE DRAWINGS MAY BE GUARANTEED EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- ALL STATIONING SHOWN IS BASED ON STATIONING PROVIDED BY ERM.
- STREAM AND SEDIMENTATION CONTROL ELEMENTS SHALL BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- BARBER LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.
- BELTED SILT RETENTION FENCE AND COMPOST FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT TRAP SHALL BE INSTALLED IN AREAS OF 3% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE PLAN.
- BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
- IMPROVEMENTS AND 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 IMPROVEMENTS 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, 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**

NO.	DATE	BY	APPD.	DESCRIPTION

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

**ERM**

ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 BUCKINGHAM COUNTY, VIRGINIA

CONSTRUCTION ALIGNMENT STA. 11065+00 TO 1121+00

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

**gai consultants**

SOUTHPOINTE OFFICE  
 8000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-873-3545

PROJECT NO./DASH NO.  
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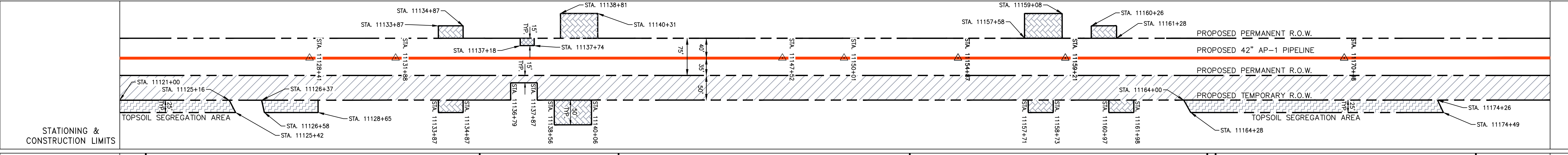
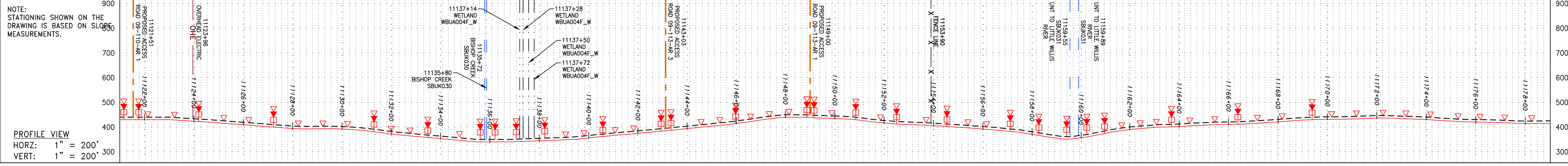
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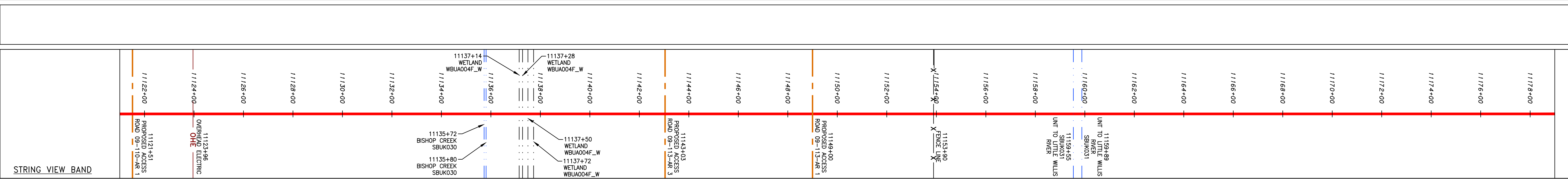
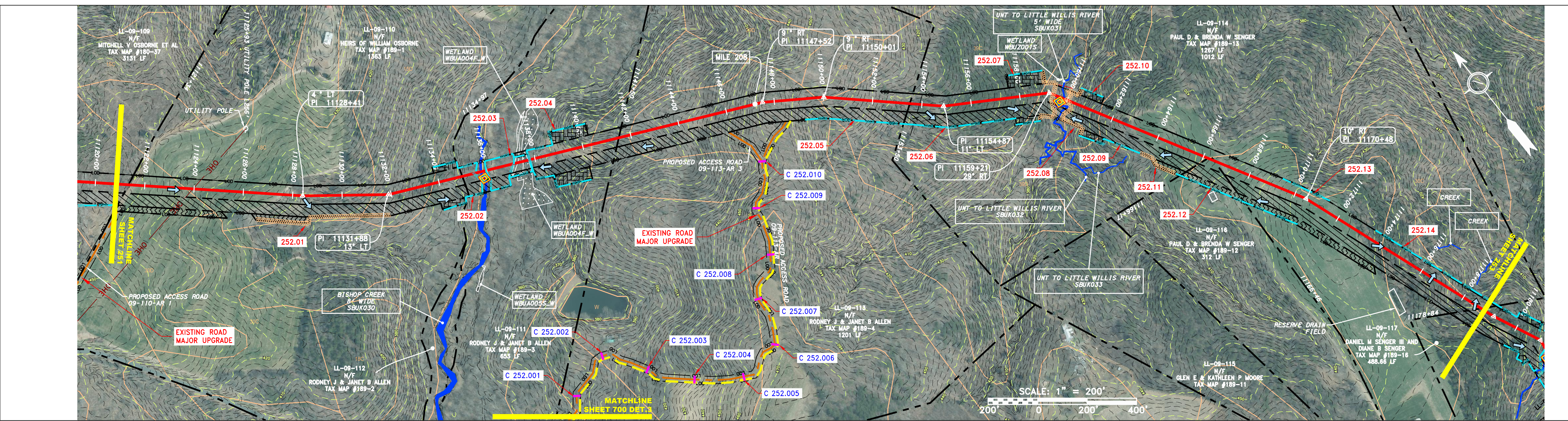
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GAI CAD FILE NO. I:\DOMINION\AP-1\ESC\CADD-GIS\DATA\KST\_CHK1\_SPREAD\_6\_ESC\_SHT\_251.DWG



Stationing	Property Owner	Address	Area (LF)
11120+00 - 11121+50	MITCHELL V OSBORNE ET AL	TAX MAP #189-37	3151 LF
11121+50 - 11128+00	HEIRS OF WILLIAM OSBORNE	TAX MAP #189-1	1363 LF
11128+00 - 11133+87	RODNEY J & JANET B ALLEN	TAX MAP #189-3	653 LF
11133+87 - 11144+00	RODNEY J & JANET B ALLEN	TAX MAP #189-4	1200 LF
11144+00 - 11159+08	PAUL D & BRENDA W SENER	TAX MAP #189-13	1267 LF
11159+08 - 11164+26	PAUL D & BRENDA W SENER	TAX MAP #189-12	312 LF
11164+26 - 11174+26	PAUL D & BRENDA W SENER	TAX MAP #189-13	1012 LF
11174+26 - 11178+00	DANIEL M SENER III AND DIANE B SENER	TAX MAP #189-16	488.66 LF



**LEGEND**

	PROPERTY LINE		STORM SEWER		EXTRA WORK SPACE		LOD		LIMIT OF DISTURBANCE
	FENCE		UNDERGROUND ELECTRIC		TOPSOIL SEGREGATION AREA		BSRF		CULVERT SAFETY FENCE
	STREAM		WATER LINE		AREA OF NO DISTURBANCE		111.03		ORANGE SAFETY FENCE
	EXISTING GAS PIPELINE		SANITARY SEWER		PROPOSED TEMPORARY R.O.W.		Cub		SOIL TYPE
	OVERHEAD UTILITY LINES		EDGE OF GRAVEL		WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		A1 (E) 30-58%		SLOPE INCLINATION
	ACCESS ROAD		PROPOSED PERMANENT EASEMENT		UTILITY POLE				
	PROPOSED GAS PIPELINE		PROPOSED GAS PIPELINE (NO GROUND SURVEY)						

**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 ON THE DRAWINGS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- 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.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BASIN LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.
- BELTED SILT RETENTION FENCE AND COMPOST FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BASIN LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.
- BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
- EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 5% 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 2 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) UPSTREAM 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.	APPD.	DESCRIPTION

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

**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 BUCKINGHAM COUNTY, VIRGINIA  
**42" AP-1 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 11121+00 TO 11179+00**

SCALE:	AS SHOWN
DATE:	11/23/2016
DRAWN:	JFS
CHECKED:	DLH
APPROVED:	NET

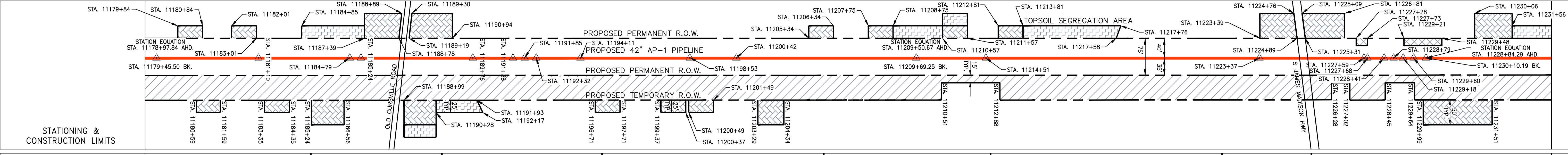
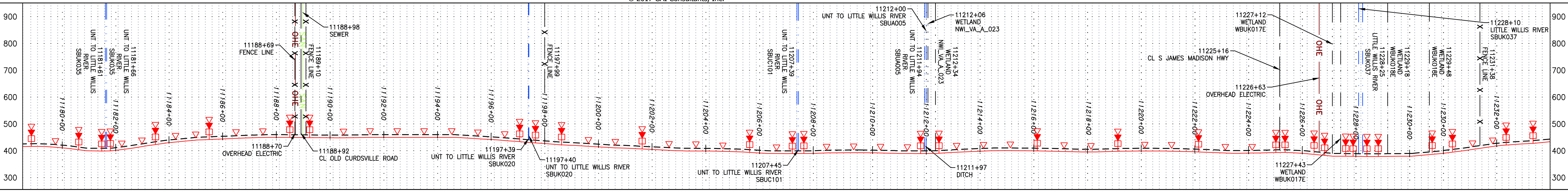
SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-873-3545

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TASK NO./SUB TASK NO.	005 / 00
GROUP ID / DRAWING NO.	D / E252
252 OF 344	

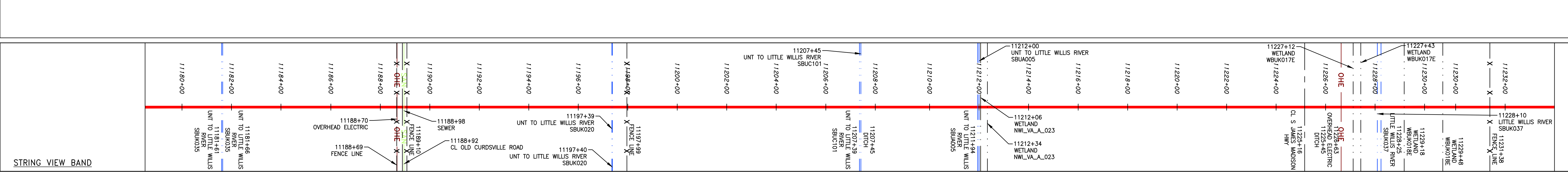
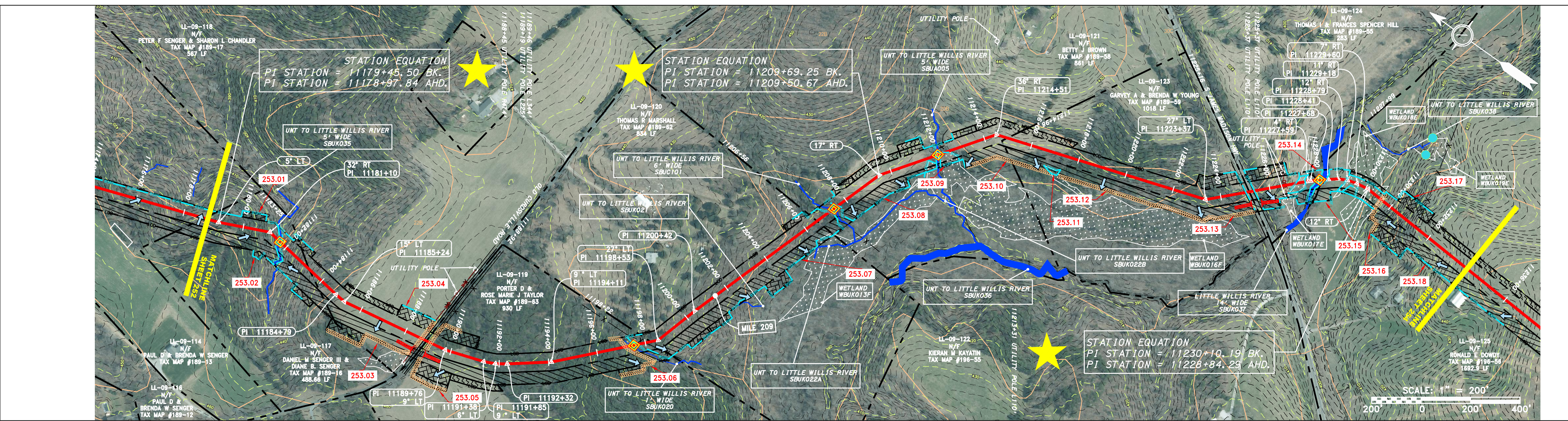


NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

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



PROPERTY OWNERSHIP	ADDRESS	OWNER	TAX MAP	ACRES
11178+84	11179+84	LL-09-117 DANIEL M SENGHER III & DIANE B. SENGHER	#189-16	488.66 LF
11184+25	11184+25	LL-09-118 PETER F SENGHER & SHARON L CHANDLER	#189-17	567 LF
11188+92	11188+92	LL-09-119 PORTER D & ROSE MARIE J TAYLOR	#189-83	950 LF
11198+22	11198+22	LL-09-120 THOMAS R MARSHALL	#189-62	834 LF
11208+36	11208+36	LL-09-121 N/W BETTY J BROWN	#189-58	860.58 LF
11214+08	11214+08	LL-09-123 GARVEY A & BRENDA W YOUNG	#189-59	1018 LF
11228+16	11228+16	LL-09-124 THOMAS I & FRANCES SPENCER HILL	#189-55	283 LF
11231+56	11231+56	LL-09-125 RONALD E DOWDY	#196-56	1692.9 LF



**LEGEND**

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

**PERMANENT WATERBAR/SLOPE BREAKER**  
**TEMPORARY WATERBAR/SLOPE BREAKER**  
**TRENCH BREAKER/PLUG**  
**STREAM CROSSING**  
**USPWS STREAM CROSSING WITH ENHANCED CONTROLS**  
**SLEEP**  
**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 BIC 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 BIC SLOPE CATEGORY**  
**SLOPE INCLINATION**

**NOTES:**  
 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. ALL STATIONING SHOWN IS SLOPE STATIONING.  
 6. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.  
 7. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.  
 8. BEST MANAGEMENT PRACTICES (BMPs) SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT TRAP LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.  
 9. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.  
 10. EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND OTHER AREAS INDICATED ON THE BEST IN CLASS STEEP SLOPE 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 2 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.

**REVISIONS**

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

**Professional Engineer**  
 Daniel R. Goldstein  
 Lic No. 047436  
 ERM

**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 BUCKINGHAM COUNTY, VIRGINIA

**42" AP-1 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA. 11179+00 TO 11234+00**

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

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

PROJECT NO./DASH NO.  
 C140468

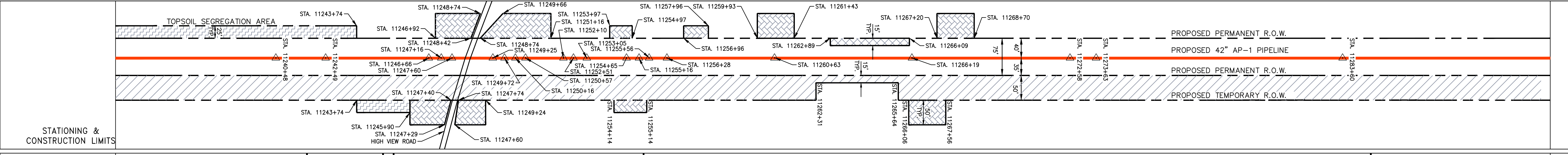
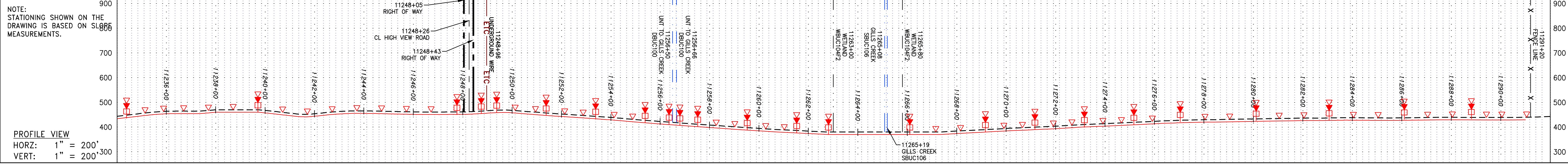
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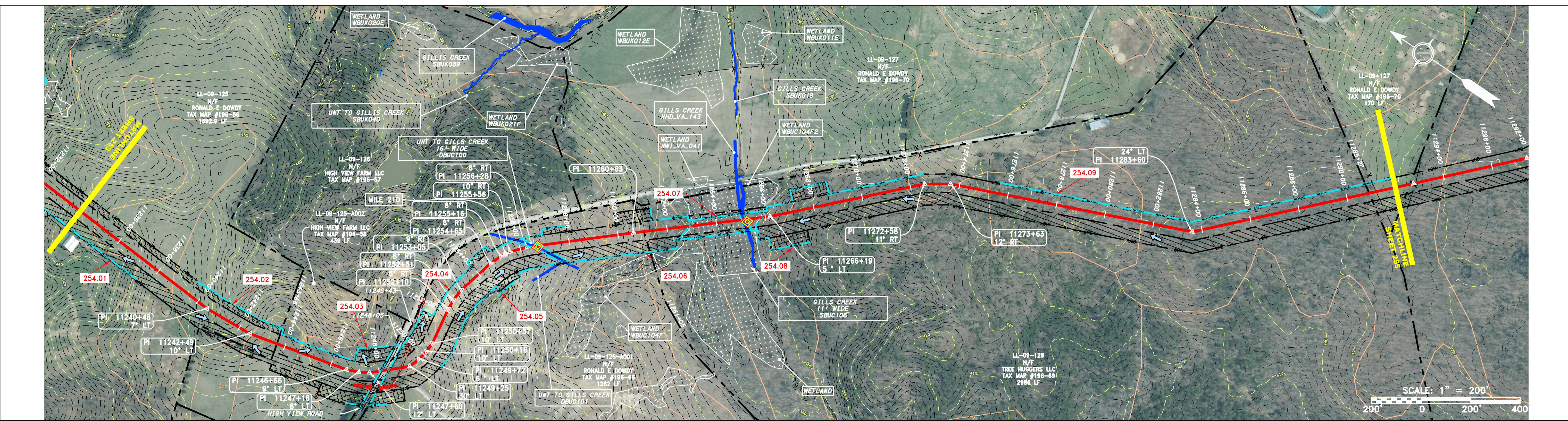
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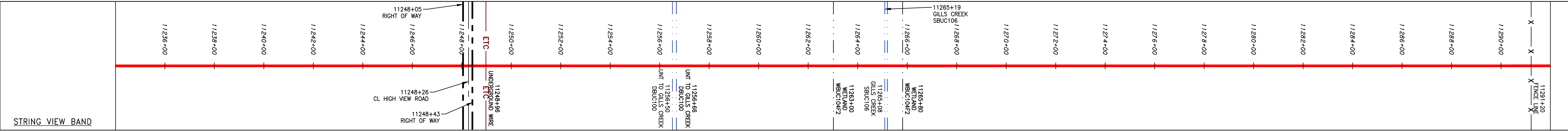
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PROPERTY OWNERSHIP	STATIONING
LL-09-125 N/F RONALD E DOWDY TAX MAP #198-56 1692.9 LF	11237+99
LL-09-125-A002 N/F HIGH VIEW FARM LLC TAX MAP #198-58 439 LF	11243+00
HIGH VIEW ROAD 39 LF	11248+00
LL-09-125-A001 N/F RONALD E DOWDY TAX MAP #198-66 1262 LF	11250+00
LL-09-128 N/F TREE HUGGERS LLC TAX MAP #198-69 2986 LF	11261+05
LL-09-127 N/F RONALD E DOWDY TAX MAP #198-70 170 LF	11269+91



PIPE SPECIFICATION



**LEGEND**

— — — — — PROPERTY LINE	— — — — — STORM SEWER	— — — — — EXTRA WORK SPACE	— — — — — LOD	— — — — — LIMIT OF DISTURBANCE	<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. ALL STATIONING SHOWN IS SLOPE STATIONING. 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. BARRIERS LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR. 8. BELTED SILT RETENTION FENCE AND COMPOST FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. 9. EROSION CONTROL MATING 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 INHER SHEET OF THIS PLAN SET. 12. 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.
-X-X- FENCE	— — — — — UNDERGROUND ELECTRIC	— — — — — TOPSOIL SEGREGATION AREA	— — — — — BSRF	— — — — — BELTED SILT RETENTION FENCE (BSRF)	
— — — — — STREAM	— — — — — WATER LINE	— — — — — PROPOSED TEMPORARY R.O.W.	— — — — — COMPOST FILTER SOCK	— — — — — SEDIMENT BARRIER IDENTIFICATION	
— — — — — EXISTING GAS PIPELINE	— — — — — SANITARY SEWER	— — — — — AREA OF NO DISTURBANCE	— — — — — ORANGE SAFETY FENCE	— — — — — CULVERT IDENTIFICATION	
— — — — — OVERHEAD UTILITY LINES	— — — — — EDGE OF GRAVEL	— — — — — WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	— — — — — ROADSIDE DITCH	— — — — — CUB	
— — — — — ACCESS ROAD	— — — — — PROPOSED PERMANENT EASEMENT	— — — — — UTILITY POLE	— — — — — SOIL TYPE	— — — — — TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION	
— — — — — 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).

**REVISIONS**

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

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

**ERM**

42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA. 11234+00 TO 11292+00

ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 BUCKINGHAM COUNTY, VIRGINIA

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

**gai consultants**

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

PROJECT NO./DASH NO.  
 C140468

TASK NO. SUB TASK NO.  
 005 00

GROUP ID DRAWING NO.  
 D E254

254 OF 344

4/5/2017 9:38 AM



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

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

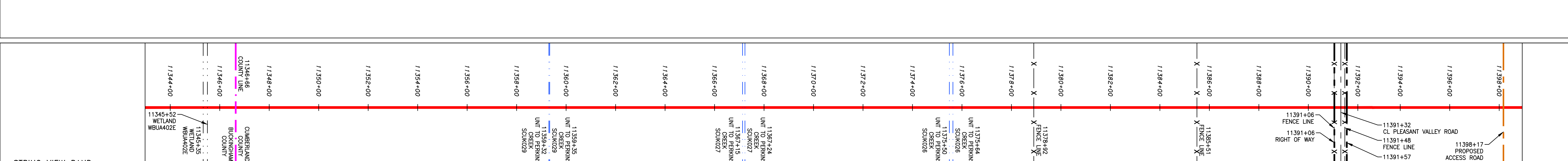
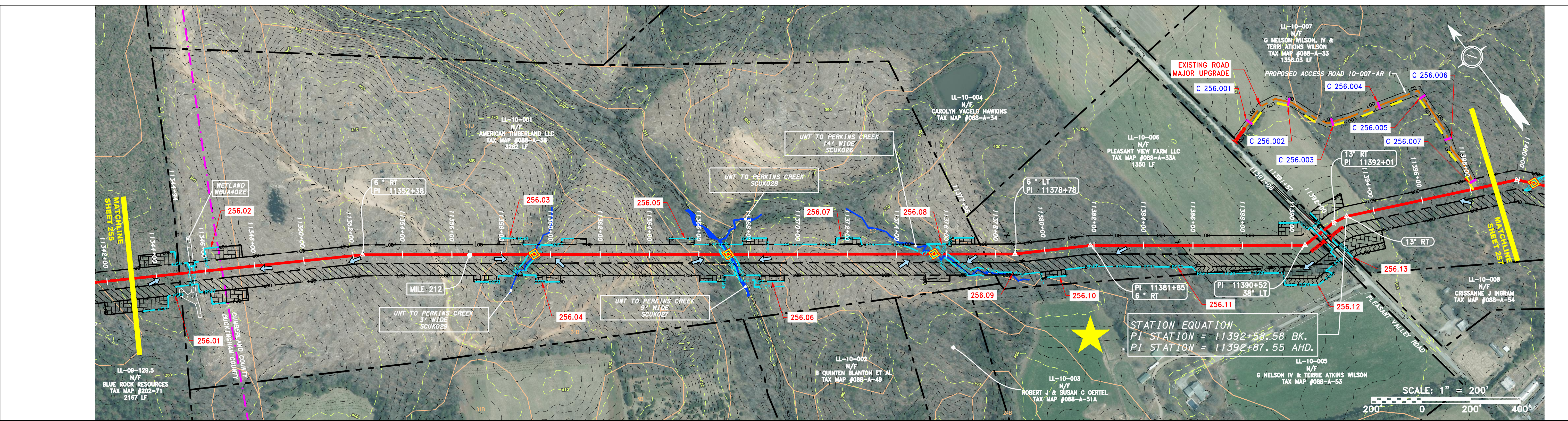
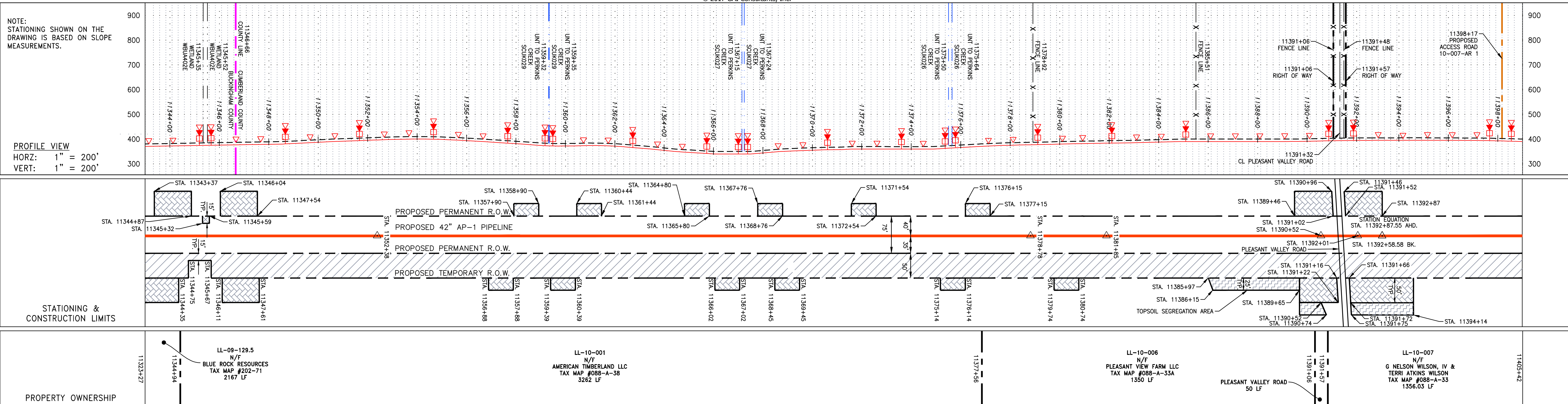
STATIONING & CONSTRUCTION LIMITS

PROPERTY OWNERSHIP

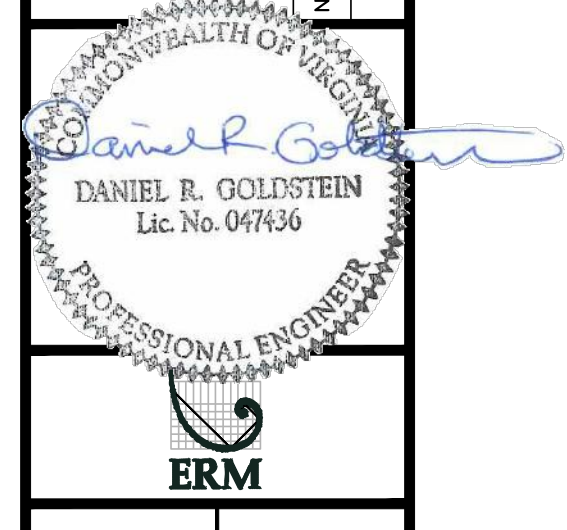
STRING VIEW BAND

- LEGEND**
- 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)
  - 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
  - TRENCH BREAKER/PLUG
  - STREAM CROSSING
  - USPWS STREAM CROSSING WITH ENHANCED CONTROLS
  - SLEEP
  - SLOPE DIRECTION
  - CONSTRUCTION ENTRANCE WITH DITCH
  - CULVERT AS NEEDED
  - CULVERT/WATERBAR
  - LOD
  - BSRF
  - 111.03
  - C 111.001
  - X
  - At (E)
  - 30-58%
  - LIMIT OF DISTURBANCE
  - BELTED SILT RETENTION FENCE (BSRF)
  - COMPOST FILTER SOCK
  - SEDIMENT BARRIER IDENTIFICATION
  - CULVERT IDENTIFICATION
  - ORANGE SAFETY FENCE
  - ROADSIDE DITCH
  - SOIL TYPE
  - TYPICAL BIC 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.
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  - ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
  - ALL STATIONING 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.
  - BRUSH LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.
  - BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
  - EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.
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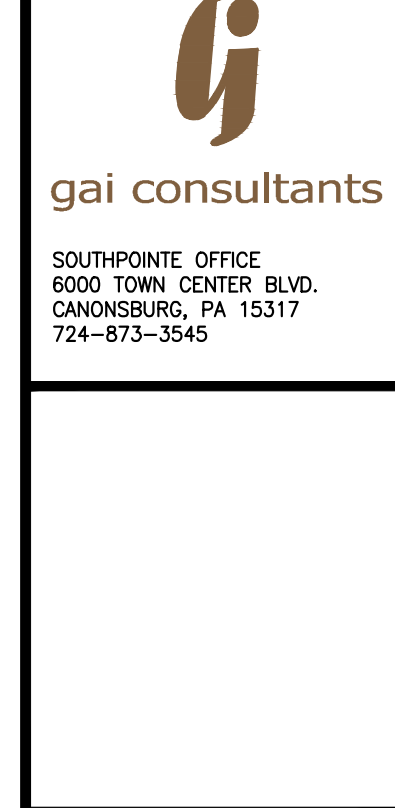


NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION



42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA. 11343+00 TO 11399+00  
 BUCKINGHAM & CUMBERLAND COUNTIES, VIRGINIA  
 ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

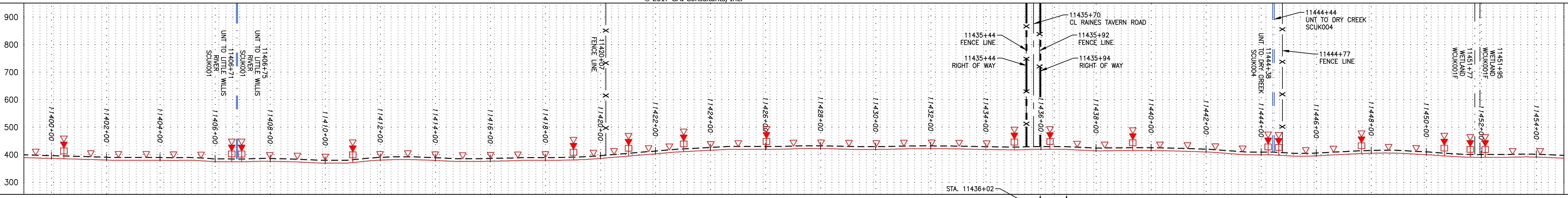
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 CHECKED: DLH  
 APPROVED: NET



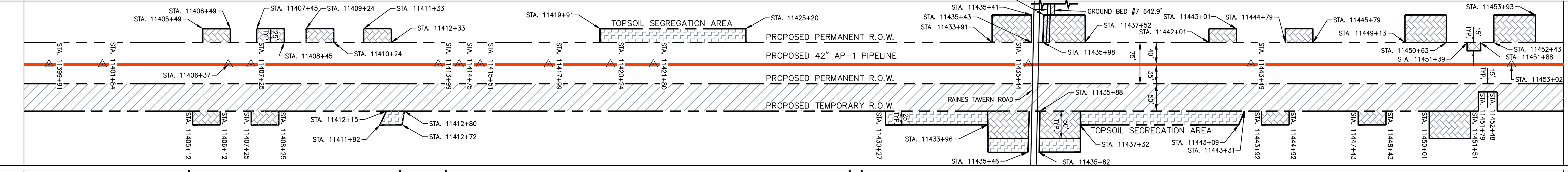
PROJECT NO./DASH NO.	C140468
TASK NO./SUB TASK NO.	005 / 00
GROUP ID / DRAWING NO.	D / E256
256 OF 344	

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

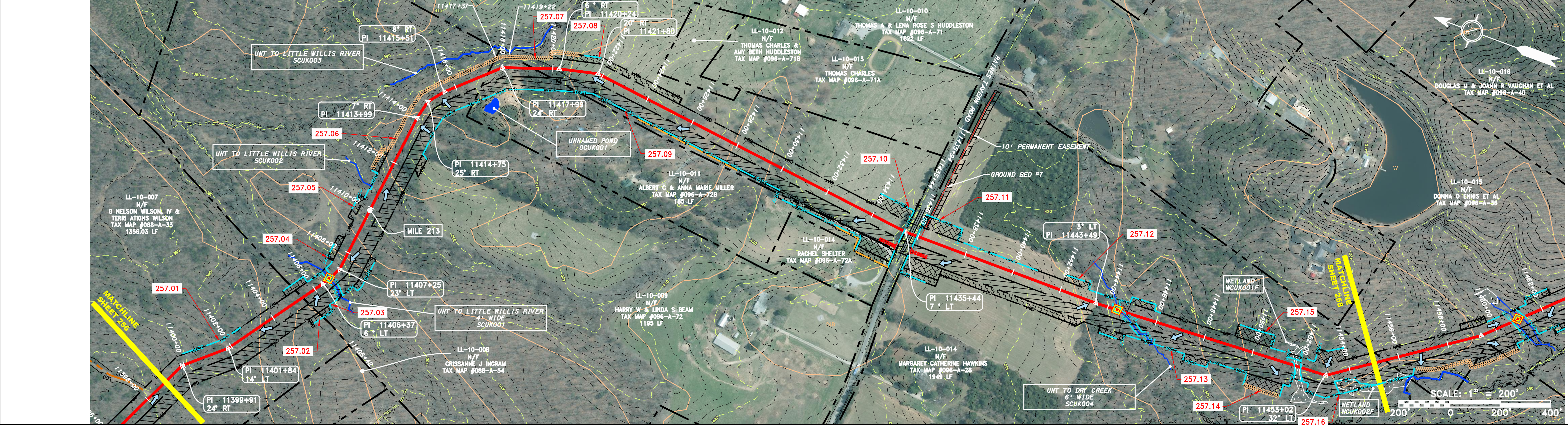
PROFILE VIEW  
 HORZ: 1" = 200'  
 VERT: 1" = 200'



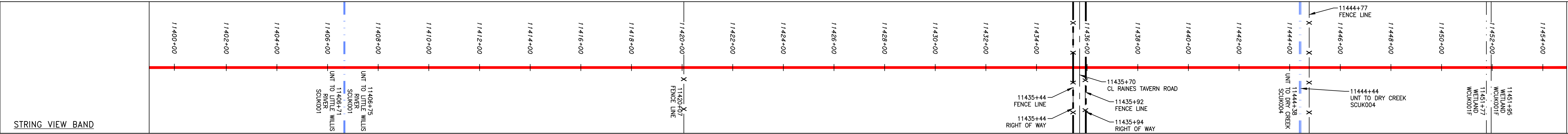
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION

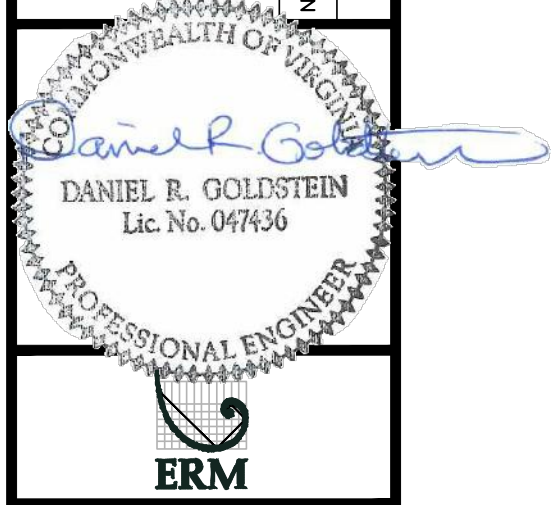


LEGEND

- 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
- TOPSOIL SEGREGATION AREA
- PROPOSED TEMPORARY R.O.W.
- UTILITY POLE
- 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
- CULVERT IDENTIFICATION
- ORANGE SAFETY FENCE
- ROADSIDE DITCH
- SOIL TYPE
- TYPICAL BIC SLOPE CATEGORY
- SLOPE INCLINATION

NOTES:  
 1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° 11' 07.2014".  
 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 ON THE DRAWINGS MAY BE GUARANTEED 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. BELTED SILT RETENTION FENCE AND COMPOST FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BARRIER LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.  
 9. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.  
 10. EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE 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	BY	APPD.	DESCRIPTION



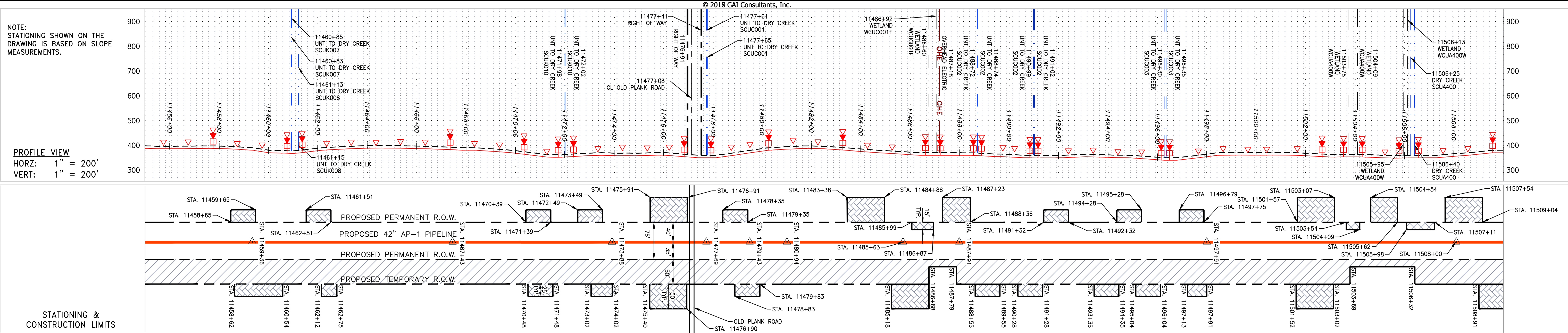
42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA. 11399+00 TO 11455+00  
 CUMBERLAND COUNTY, VIRGINIA  
 ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

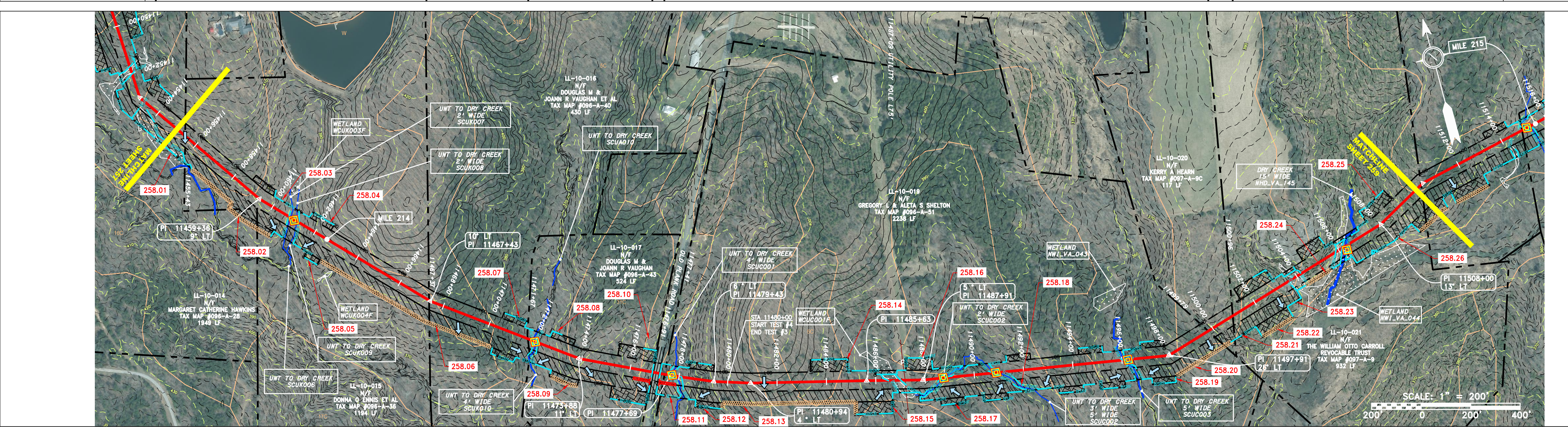


SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANNONBURG, PA 15317  
 724-873-3545

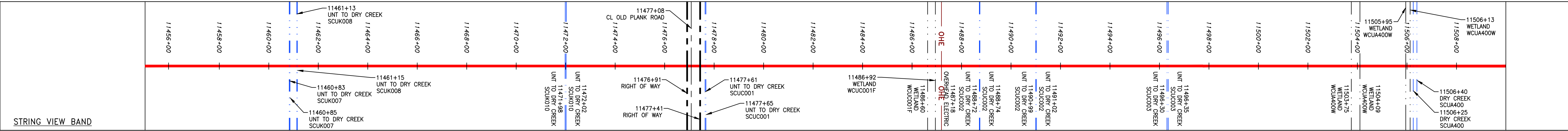
PROJECT NO./DASH NO.	C140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E257
257 OF 344	



PROPERTY OWNERSHIP	LL-10-014 MARGARET CATHERINE HAWKINS TAX MAP #096-A-28 1949 LF	LL-10-015 DONNA O ENNIS ET AL TAX MAP #096-A-36 1194 LF	LL-10-016 DOUGLAS M & JOANN R VAUGHAN ET AL TAX MAP #096-A-40 450 LF	LL-10-017 DOUGLAS M & JOANN R VAUGHAN TAX MAP #096-A-43 524 LF	LL-10-019 GREGORY L & ALETA S SHELTON TAX MAP #096-A-51 2238 LF	LL-10-020 KERRY A HEARN TAX MAP #097-A-9C 117 LF	LL-10-021 THE WILLIAM OTTO CARROLL REVOCABLE TRUST TAX MAP #097-A-9 932 LF
	11458+34	11467+57	11471+67	11472+91	11487+91	11497+91	11509+04



PIPE SPECIFICATION



**LEGEND**

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

**NOTES:**

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
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- BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
- EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 3% 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 FEATURES WHICH WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
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**REVISIONS**

NO.	DATE	BY	APPD.	DESCRIPTION

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

**ERM**

PROJECT NO./DASH NO.  
C140468

TASK NO. SUB TASK NO.  
005 00

GROUP ID DRAWING NO.  
D E258

258 OF 344

4/13/2017 1:03 PM

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

**gai consultants**

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

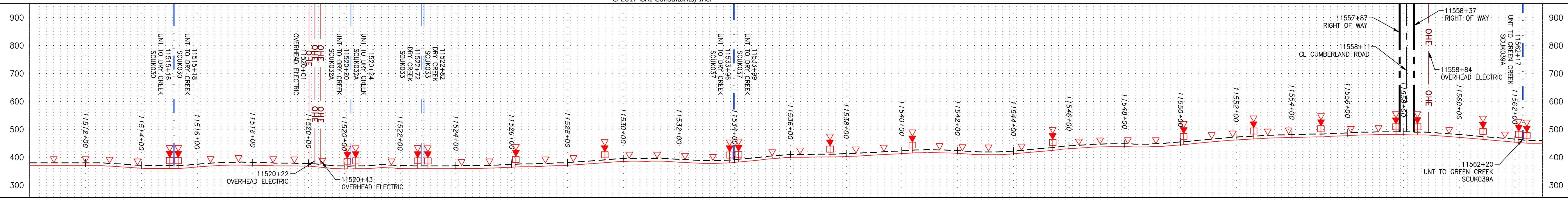
42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA. 11455+00 TO 11510+00  
 CUMBERLAND COUNTY, VIRGINIA

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

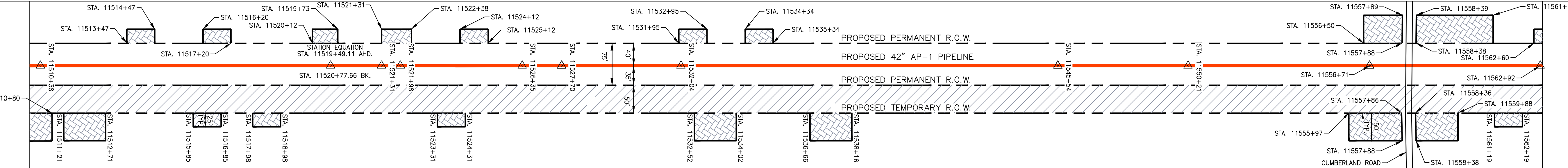
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NOTE:  
STATIONING SHOWN ON THE  
DRAWING IS BASED ON SLOPE  
MEASUREMENTS.

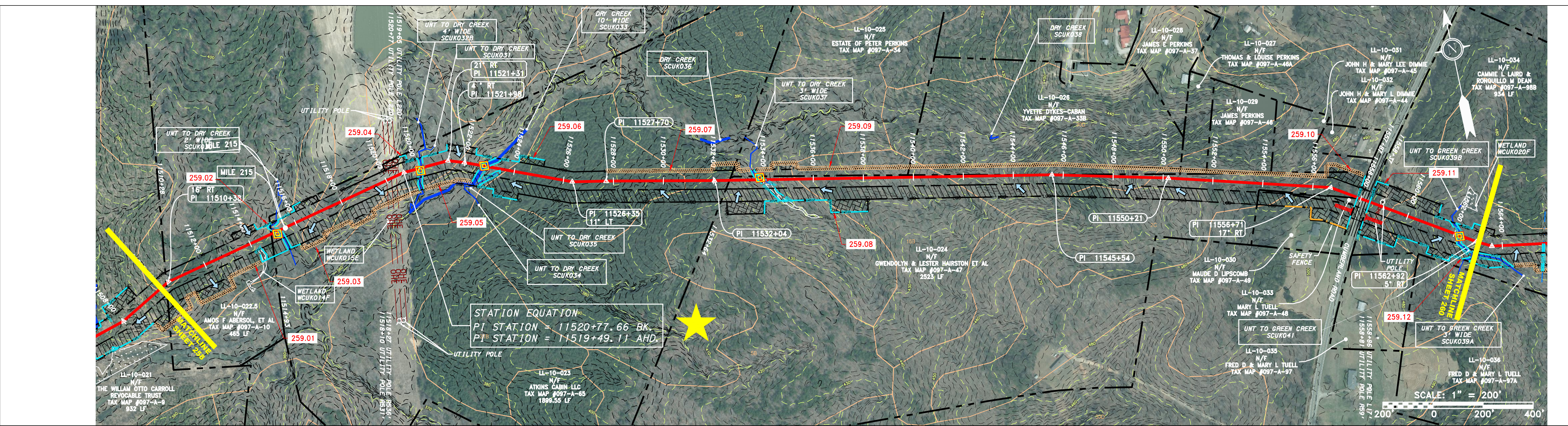
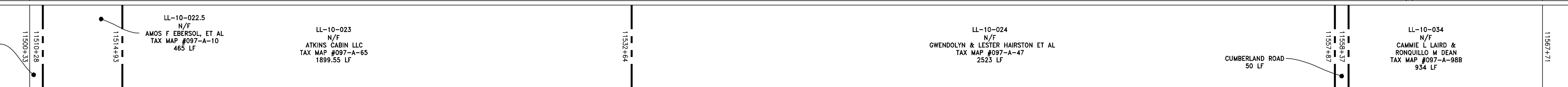
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HORZ: 1" = 200'  
VERT: 1" = 200'



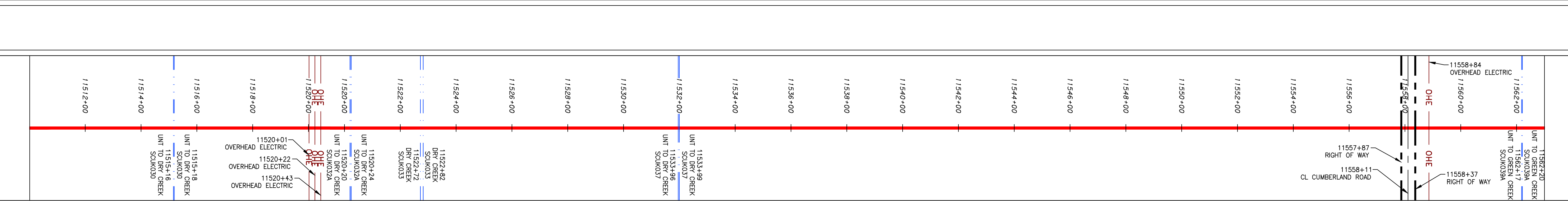
STATIONING &  
CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION

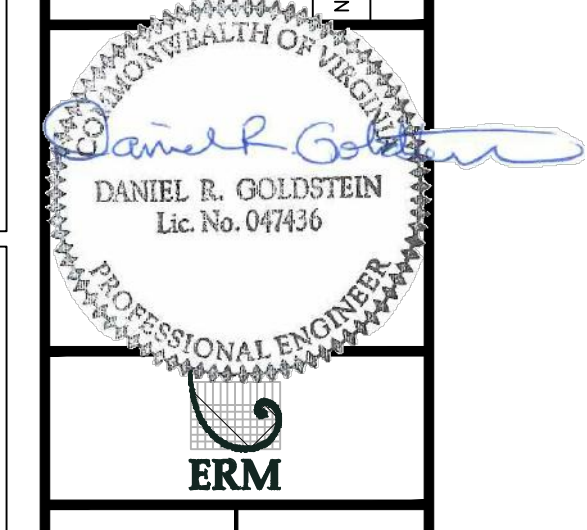


LEGEND

- PROPERTY LINE
- - - FENCE
- STREAM
- G - EXISTING GAS PIPELINES
- OH - OVERHEAD UTILITY LINES
- ACCESS ROAD
- PROPOSED GAS PIPELINE
- STORM SEWER
- UNDERGROUND ELECTRIC
- W - WATER LINE
- SAN - SANITARY SEWER
- EDGE OF GRAVEL
- PROPOSED PERMANENT EASEMENT
- PROPOSED GAS PIPELINE (NO GROUND SURVEY)
- EXTRA WORK SPACE
- AREA OF NO DISTURBANCE
- WETLAND
- UTILITY POLE
- PERMANENT WATERBAR/SLOPE BREAKER
- TEMPORARY WATERBAR/SLOPE BREAKER
- TRENCH BREAKER/PLUG
- STREAM CROSSING
- USFWS STREAM CROSSING WITH ENHANCED CONTROLS
- SLEEP
- SLOPE DIRECTION
- CONSTRUCTION ENTRANCE WITH DITCH
- CULVERT AS NEEDED
- 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 BIC SLOPE CATEGORY
- SLOPE INCLINATION

- NOTES:
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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION



ATLANTIC COAST PIPELINE, LLC  
C/O DOMINION TRANSMISSION, INC.  
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
CUMBERLAND COUNTY, VIRGINIA

SCALE: AS SHOWN  
DATE: 11/23/2016  
DRAWN: JFS  
CHECKED: DLH  
APPROVED: NET

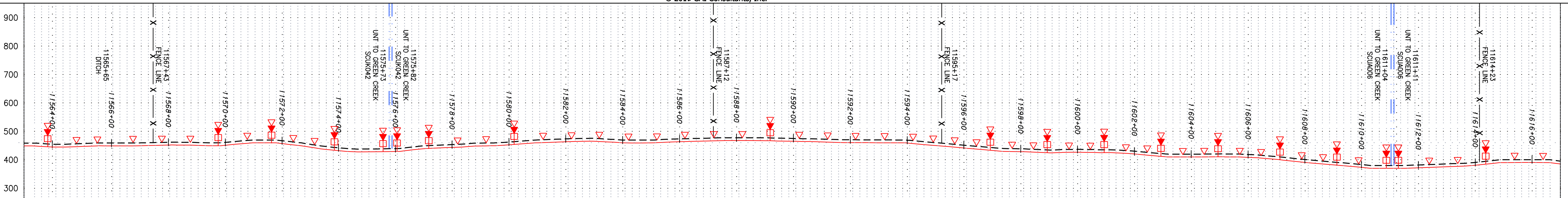


SOUTHPOINTE OFFICE  
6000 TOWN CENTER BLVD.  
CANONSBURG, PA 15317  
724-875-3545

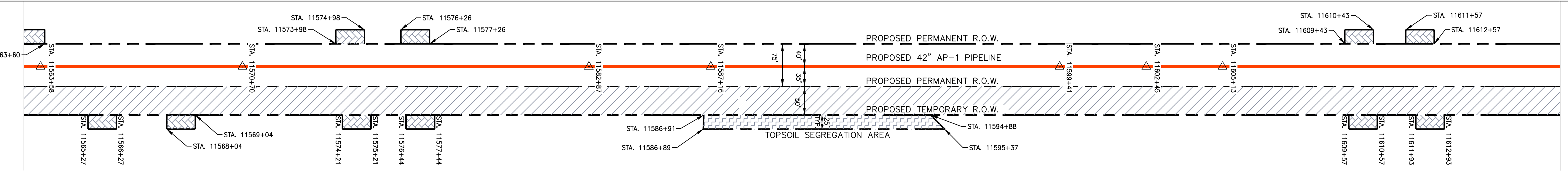
PROJECT NO./DASH NO.	C140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E259
259 OF 344	

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

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



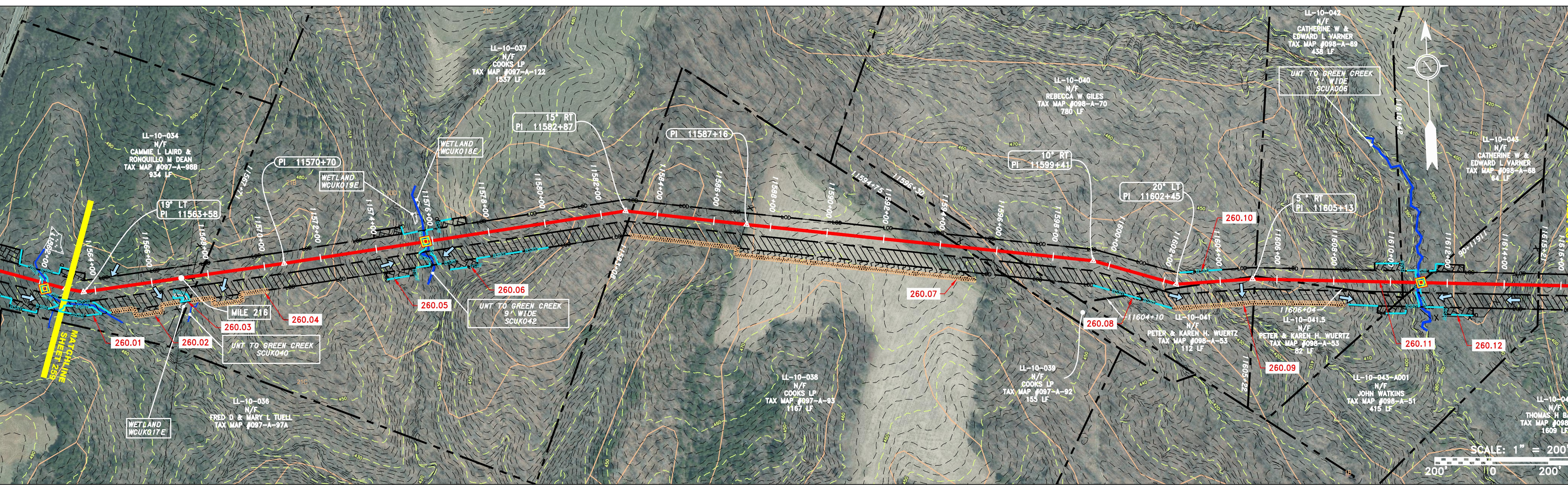
STATIONING & CONSTRUCTION LIMITS



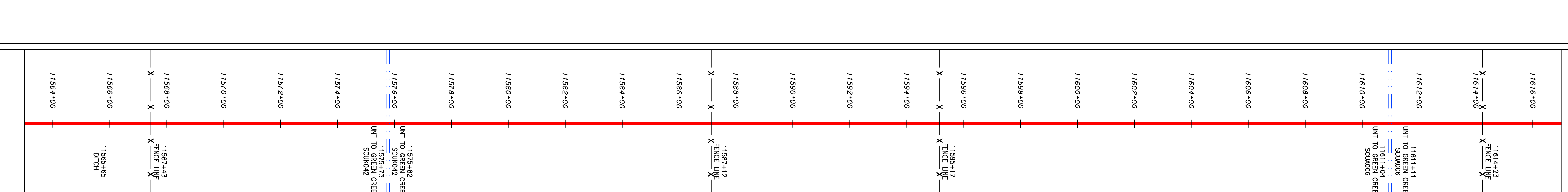
PROPERTY OWNERSHIP

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PIPE SPECIFICATION



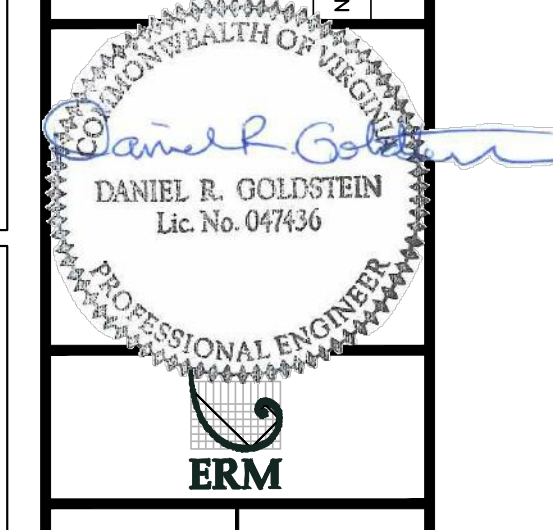
STRING VIEW BAND



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>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 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> </ul>	<ul style="list-style-type: none"> <li>LOD</li> <li>BSRF</li> <li>111.003</li> <li>C 111.001</li> <li>X</li> <li>Soil Type</li> <li>30-58%</li> </ul>	<ul style="list-style-type: none"> <li>LIMIT OF DISTURBANCE</li> <li>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 BIC SLOPE CATEGORY</li> <li>SLOPE INCLINATION</li> </ul>	<p>NOTES:</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>ALL STATIONING SHOWN IS SLOPE STATIONING.</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>BELTED SILT RETENTION FENCE AND COMPOST FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BARRIER LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.</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 MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE 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.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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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION



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

CONSTRUCTION ALIGNMENT STA. 11563+00 TO 11617+00  
 CUMBERLAND COUNTY, VIRGINIA

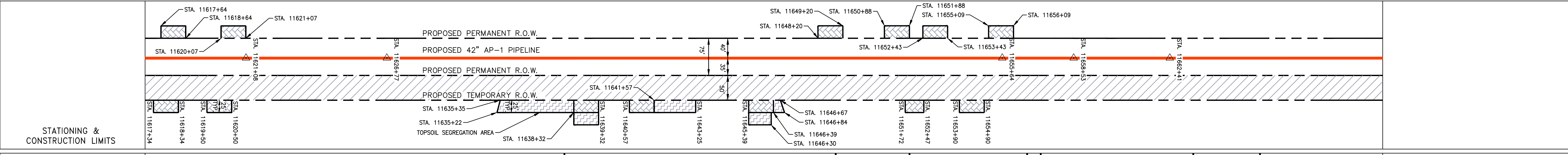
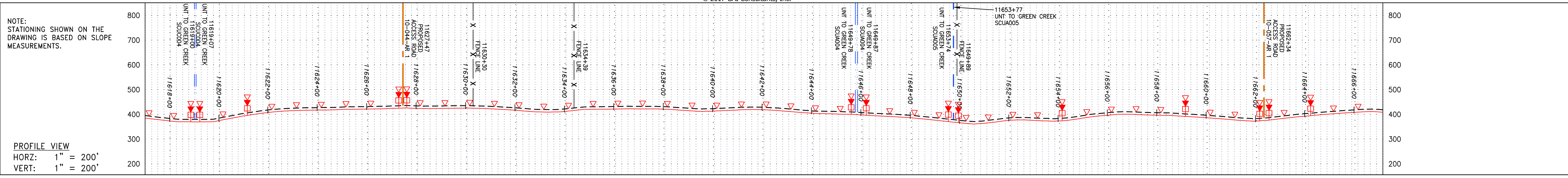
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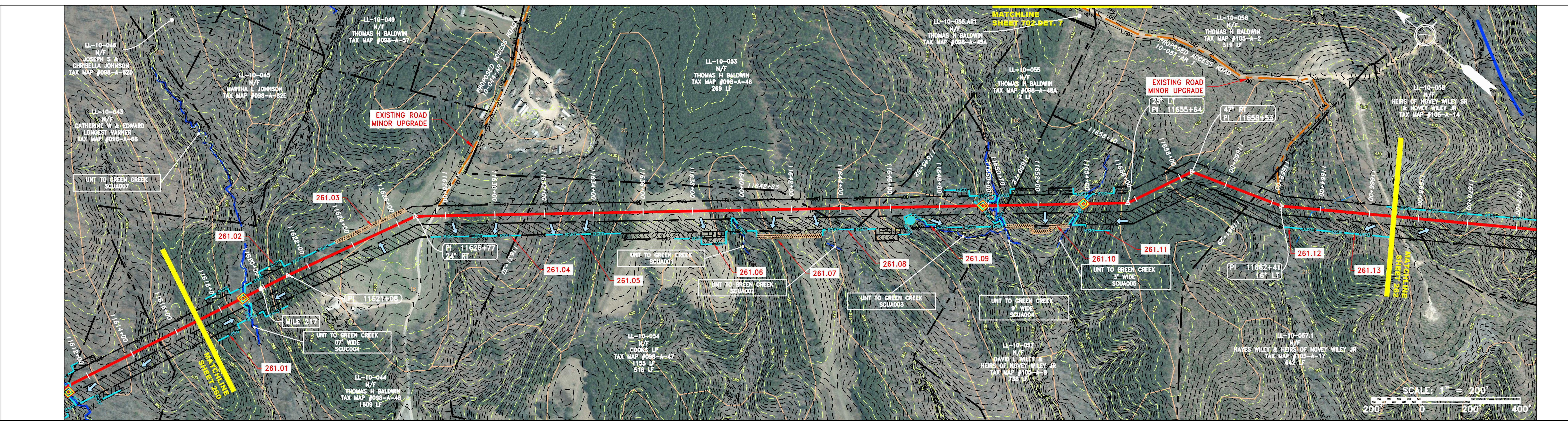
SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANNONSBURG, PA 15317  
 724-873-3545

PROJECT NO./DASH NO.	C140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E260
260 OF 344	



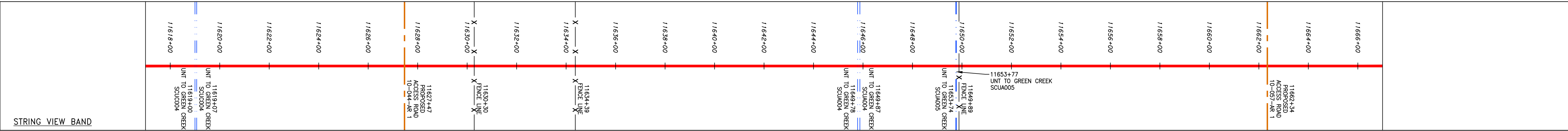


PROPERTY OWNERSHIP	ADDRESS	OWNER	ACRES
11615+21	11631+30	LL-10-044 N/F THOMAS H BALDWIN TAX MAP #098-A-48 1609 LF	11631+30
	11631+30	LL-10-054 N/F COOKS LP TAX MAP #098-A-47 1153 LF	11644+00
	11644+00	LL-10-053 N/F THOMAS H BALDWIN TAX MAP #098-A-46 269 LF	11651+88
	11651+88	LL-10-054 N/F COOKS LP TAX MAP #098-A-47 518 LF	11656+09
	11656+09	LL-10-055 N/F THOMAS H BALDWIN TAX MAP #098-A-48A 2 LF	11656+09
	11656+09	LL-10-057 N/F DAVID L WILEY & HEIRS OF NOVEY WILEY JR TAX MAP #105-A-8 738 LF	11656+09
	11656+09	LL-10-056 N/F THOMAS H BALDWIN TAX MAP #105-A-2 319 LF	11656+09
	11656+09	LL-10-057.1 N/F HAYES WILEY & HEIRS OF NOVEY WILEY JR TAX MAP #105-A-17 642 LF	11667+00



PIPE SPECIFICATION

11617+00	11620+00	11622+00	11624+00	11626+00	11628+00	11630+00	11632+00	11634+00	11636+00	11638+00	11640+00	11642+00	11644+00	11646+00	11648+00	11650+00	11652+00	11654+00	11656+00	11658+00	11660+00	11662+00	11664+00	11666+00	11667+00
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**LEGEND**

— — — — —	PROPERTY LINE	— — — — —	STORM SEWER	▨	EXTRA WORK SPACE	▨	TOPSOIL SEGREGATION AREA	▲	PERMANENT WATERBAR/SLOPE BREAKER	— — — — —	LOD	— — — — —	LIMIT OF DISTURBANCE	NOTES:	1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.	
X X	FENCE	— — — — —	UNDERGROUND ELECTRIC	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	◆	TEMPORARY WATERBAR/SLOPE BREAKER	— — — — —	BSRF	— — — — —	BELTED SILT RETENTION FENCE (BSRF)	2. 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.	3. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.	
— — — — —	STREAM	— — — — —	WATER LINE	▨	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	▨	UTILITY POLE	◆	TRENCH BREAKER/PLUG	◆	111.03	— — — — —	COMPOST FILTER SOCK	4. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.	5. ALL STATIONING SHOWN IS SLOPE STATIONING.	
— — — — —	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).	▨		◆	STREAM CROSSING WITH ENHANCED CONTROLS	◆	C 111.00	— — — — —	SEDIMENT BARRIER IDENTIFICATION	6. BELTED SILT RETENTION FENCE AND COMPOST FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BARRIER LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.	7. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.	
— — — — —	OVERHEAD UTILITY LINES	— — — — —	EDGE OF GRAVEL	▨		▨		◆	USPWS STREAM CROSSING	◆	X	— — — — —	ORANGE SAFETY FENCE	8. EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.	9. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MAJOR IMPROVEMENTS AND 3) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.	10. 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.
— — — — —	ACCESS ROAD	— — — — —	PROPOSED PERMANENT EASEMENT	▨		▨		◆	CONSTRUCTION ENTRANCE WITH DITCH	◆	At (E)	— — — — —	ROADSIDE DITCH	11. EXISTING ROADS MAJOR IMPROVEMENTS, 3) EXISTING ROADS NO IMPROVEMENTS, 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.	12. 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.	
— — — — —	PROPOSED GAS PIPELINE	— — — — —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▨		▨		◆	CULVERT/WATERBAR	◆	30-58%	— — — — —	SOIL TYPE	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.		

**REVISIONS**

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

**Professional Engineer**  
 Daniel R. Goldstein  
 Lic. No. 047436

**ERM**

CONSTRUCTION ALIGNMENT STA. 11617+00 TO 11667+00  
 CUMBERLAND COUNTY, VIRGINIA

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

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

**gai consultants**

SOUTHPOINTE OFFICE  
 8000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-873-3545

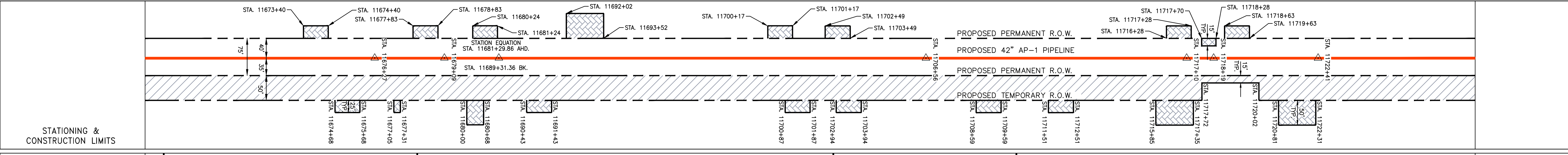
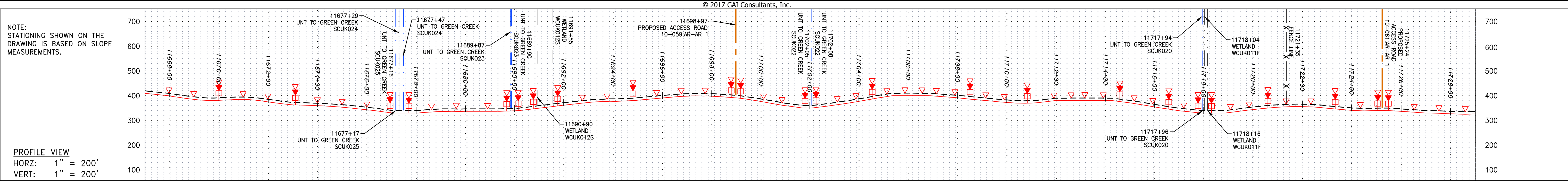
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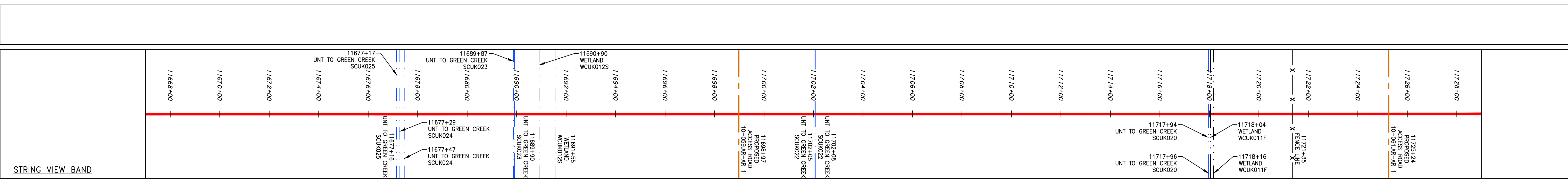
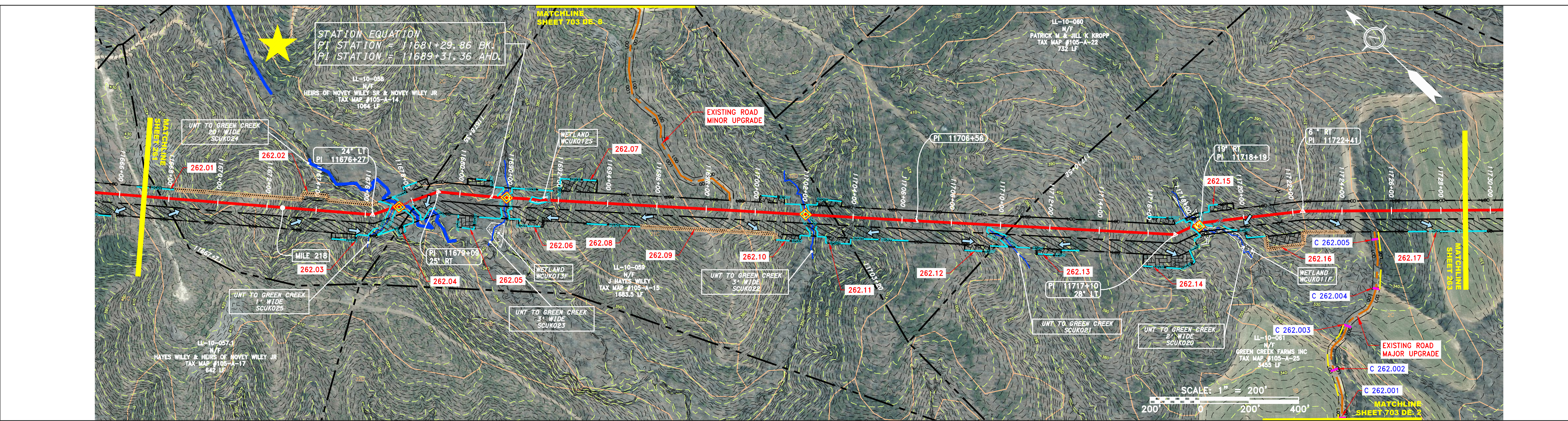
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261 OF 344

5/15/2017 8:52 AM



PROPERTY OWNERSHIP	STATIONING
LL-10-057.1 N/F HAYES WILEY & HEIRS OF NOVEY WILEY JR TAX MAP #105-A-17 642 LF	11668+00 to 11677+00
LL-10-058 N/F HEIRS OF NOVEY WILEY SR & NOVEY WILEY JR TAX MAP #105-A-14 1064 LF	11677+00 to 11693+00
LL-10-059 N/F J HAYES WILEY TAX MAP #105-A-15 1683.5 LF	11693+00 to 11703+00
LL-10-060 N/F PATRICK M & JILL K KROPP TAX MAP #105-A-22 732 LF	11703+00 to 11717+00
LL-10-061 N/F GREEN CREEK FARMS INC TAX MAP #105-A-25 3455 LF	11717+00 to 11728+00



**LEGEND**

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

**NOTES:**

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**REVISIONS**

NO.	DATE	BY	DESCRIPTION

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

**ERM**

**42" AP-1 PIPELINE**  
 CONSTRUCTION ALIGNMENT STA. 11667+00 TO 11729+00  
 ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 CUMBERLAND COUNTY, VIRGINIA  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

**gai consultants**

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

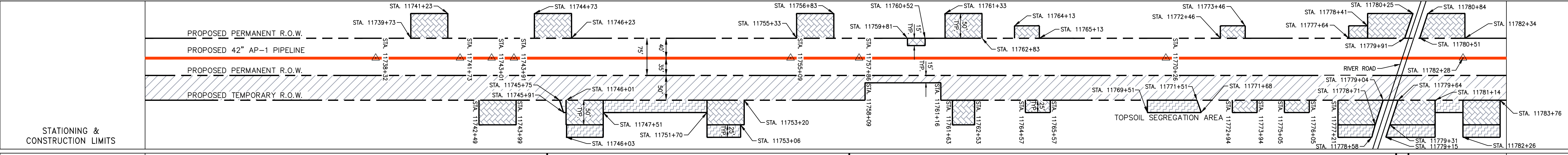
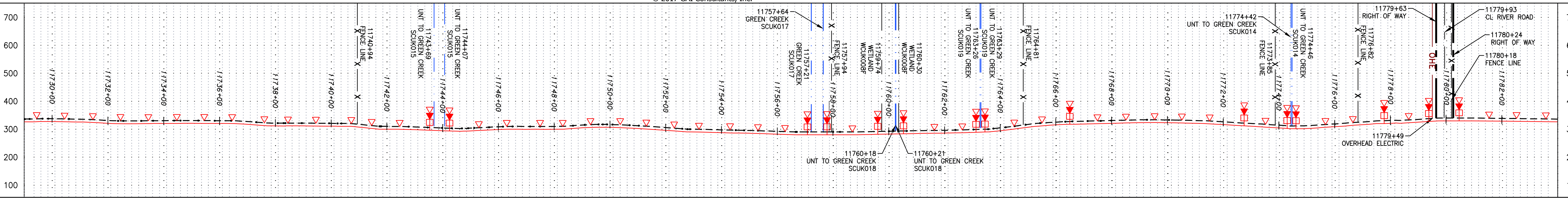
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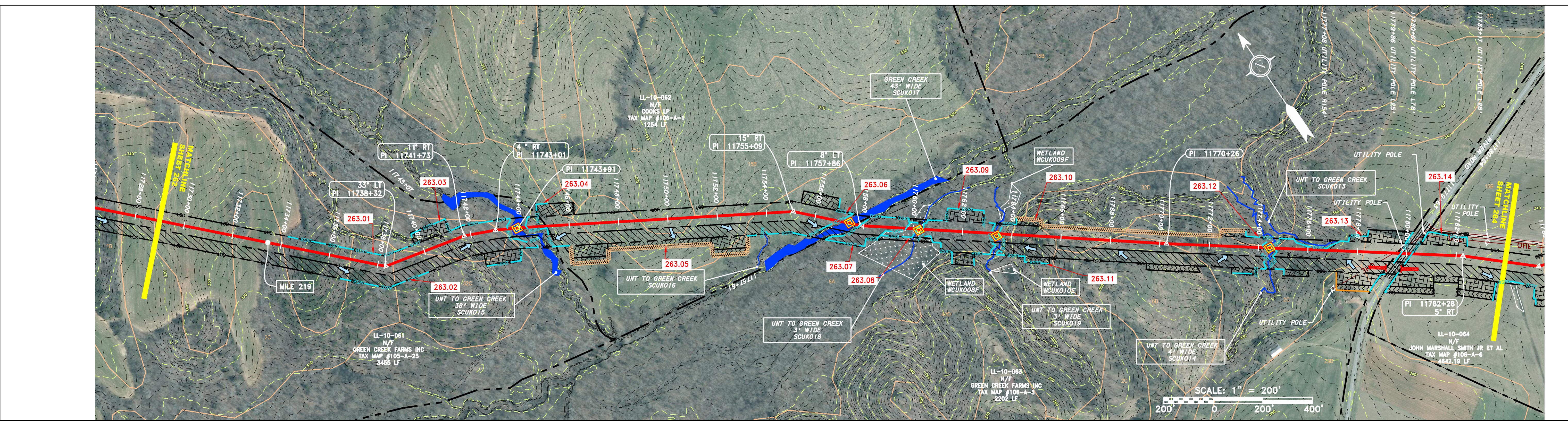
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NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

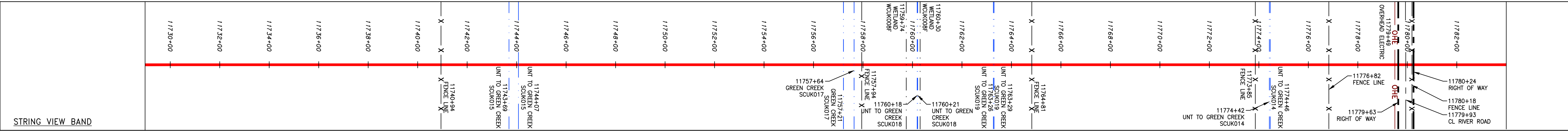
PROFILE VIEW  
 HORZ: 1" = 200'  
 VERT: 1" = 200'



PROPERTY OWNERSHIP	ADDRESS	ACRES
LL-10-061	N/F GREEN CREEK FARMS INC TAX MAP #105-A-25	3455 LF
LL-10-062	N/F COOKS LP TAX MAP #106-A-1	1254 LF
LL-10-065	N/F GREEN CREEK FARMS INC TAX MAP #106-A-3	2202 LF
LL-10-064	N/F JOHN MARSHALL SMITH JR ET AL TAX MAP #106-A-6	4642.19 LF



PIPE SPECIFICATION



**LEGEND**

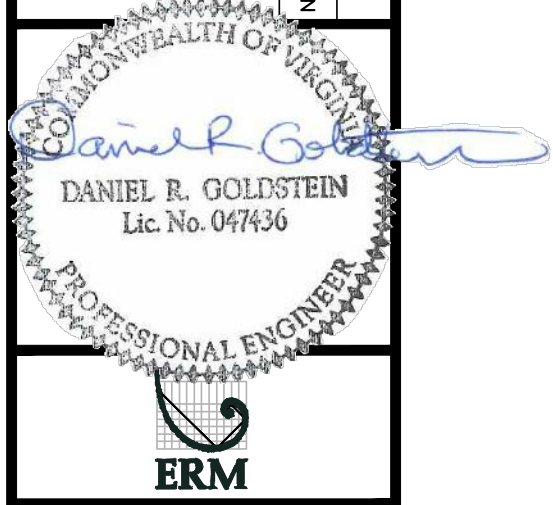
—	PROPERTY LINE	—	STORM SEWER	▨	EXTRA WORK SPACE	▨	TOPSOIL SEGREGATION AREA
X X	FENCE	E	UNDERGROUND ELECTRIC	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.
—	STREAM	W	WATER LINE	▨	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	⊙	UTILITY POLE
G G	EXISTING GAS PIPELINE	—	SANITARY SEWER	▨	NOTE: THE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

**NOTES:**

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- IMPROVEMENTS AND J) NEW ROADS. APPROPRIATE EROSION AND SEDIMENTATION CONTROL ELEMENTS 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 2 AND 4.
- 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.
- 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

NO.	DATE	BY	DESCRIPTION



42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA. 11729+00 TO 11784+00  
 ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 CUMBERLAND COUNTY, VIRGINIA

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

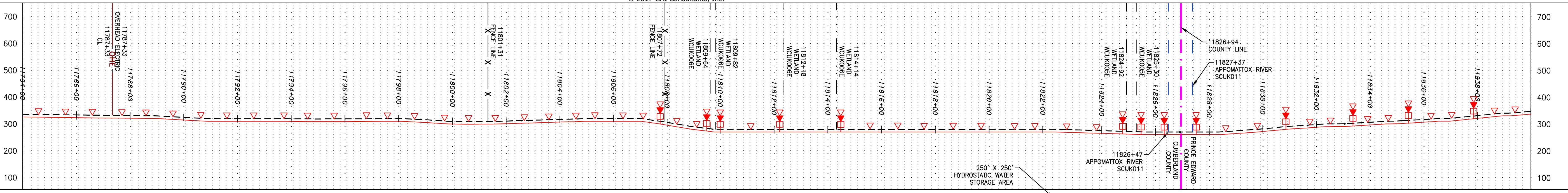


SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-873-3545

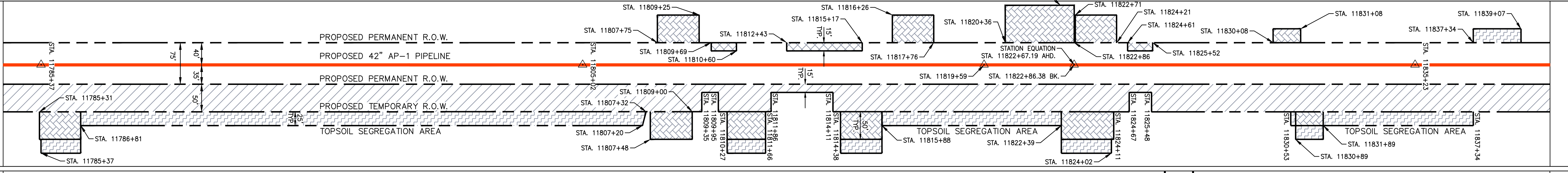
PROJECT NO./DASH NO.	C140468
TASK NO./SUB TASK NO.	005 / 00
GROUP ID / DRAWING NO.	D / E263
263 OF 344	

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

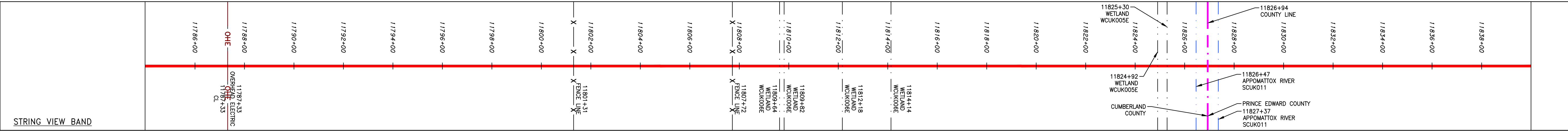
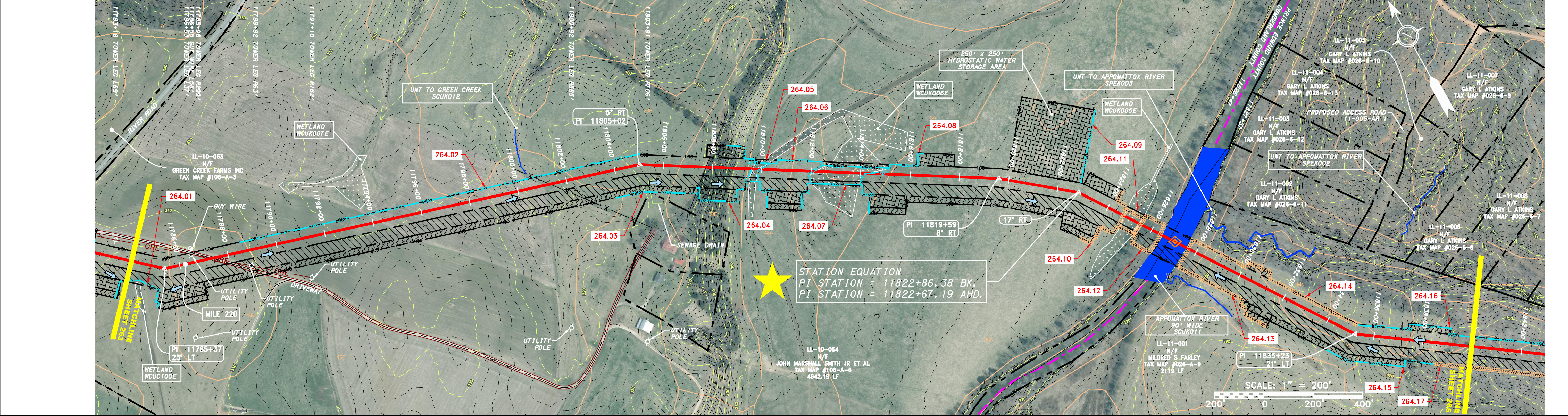
PROFILE VIEW  
 HORZ: 1" = 200'  
 VERT: 1" = 200'



STATIONING & CONSTRUCTION LIMITS

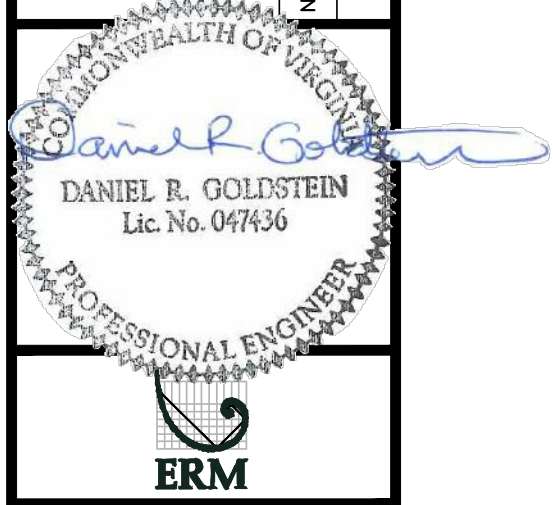


PROPERTY OWNERSHIP



LEGEND		NOTES:	
—	PROPERTY LINE	▲	PERMANENT WATERBAR/SLOPE BREAKER
-X-X-	FENCE	▲	TEMPORARY WATERBAR/SLOPE BREAKER
—	STREAM	▲	TRENCH BREAKER/PLUG
-G-G-	EXISTING GAS PIPELINE	▲	STREAM CROSSING
-OH-	OVERHEAD UTILITY LINES	▲	USPWS STREAM CROSSING WITH ENHANCED CONTROLS
—	PROPOSED GAS PIPELINE	▲	SEEP
—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▲	SLOPE DIRECTION
—	STORM SEWER	▲	CONSTRUCTION ENTRANCE WITH DITCH
—	UNDERGROUND ELECTRIC	▲	CULTURE AS NEEDED
—	WATER LINE	▲	CULTURE/WATERBAR
—	SANITARY SEWER	▲	LOD
—	SANITARY SEWER	▲	BSRF
—	EDGE OF GRAVEL	▲	LIMIT OF DISTURBANCE
—	PROPOSED PERMANENT EASEMENT	▲	BELETED SILT RETENTION FENCE (BSRF)
—	PROPOSED PERMANENT R.O.W.	▲	COMPOST FILTER SOCK
—	TOPSOIL SEGREGATION AREA	▲	SEDIMENT BARRIER IDENTIFICATION
—	TOPSOIL SEGREGATION AREA	▲	CULTURE IDENTIFICATION
—	TOPSOIL SEGREGATION AREA	▲	ORANGE SAFETY FENCE
—	TOPSOIL SEGREGATION AREA	▲	ROADSIDE DITCH
—	TOPSOIL SEGREGATION AREA	▲	SOIL TYPE
—	TOPSOIL SEGREGATION AREA	▲	AT (E) 30-58%
—	TOPSOIL SEGREGATION AREA	▲	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION
—	TOPSOIL SEGREGATION AREA	▲	1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. SURVEY FOOT, CENTRAL MERIDIAN 81° W.
—	TOPSOIL SEGREGATION AREA	▲	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.
—	TOPSOIL SEGREGATION AREA	▲	3. THE PROPERTY LINES SHOWN ON THE DRAWINGS 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.
—	TOPSOIL SEGREGATION AREA	▲	4. ALL STATIONING SHOWN IS SLOPE STATIONING.
—	TOPSOIL SEGREGATION AREA	▲	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.
—	TOPSOIL SEGREGATION AREA	▲	6. BELETED SILT RETENTION FENCE AND COMPOST FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BARRIER LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.
—	TOPSOIL SEGREGATION AREA	▲	7. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
—	TOPSOIL SEGREGATION AREA	▲	8. EROSION CONTROL MATING SHALL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 2 AND 4.
—	TOPSOIL SEGREGATION AREA	▲	9. 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 SEDIMENTATION CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4.
—	TOPSOIL SEGREGATION AREA	▲	10. 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.
—	TOPSOIL SEGREGATION AREA	▲	11. 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.	APPD.	DESCRIPTION



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

SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

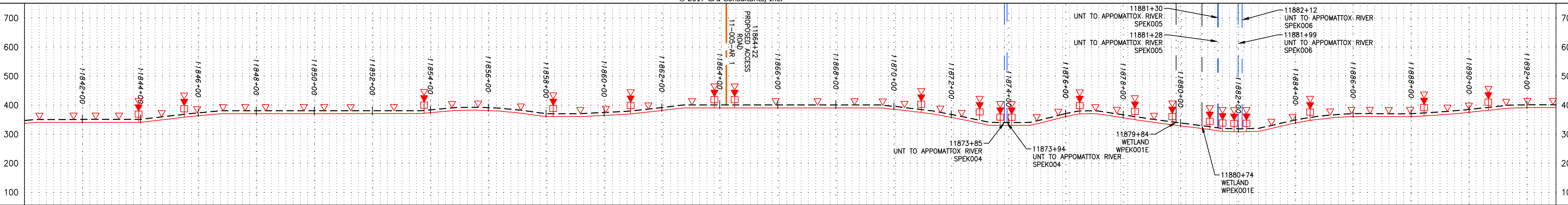


PROJECT NO./DASH NO.	11784+00
TASK NO./SUB TASK NO.	005 / 00
GROUP ID / DRAWING NO.	D / E264
264 OF 344	

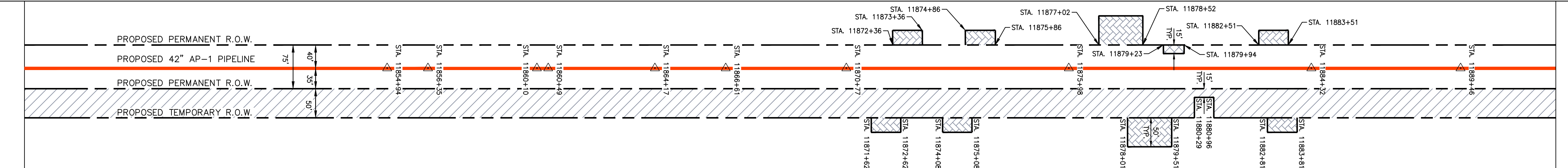
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NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

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



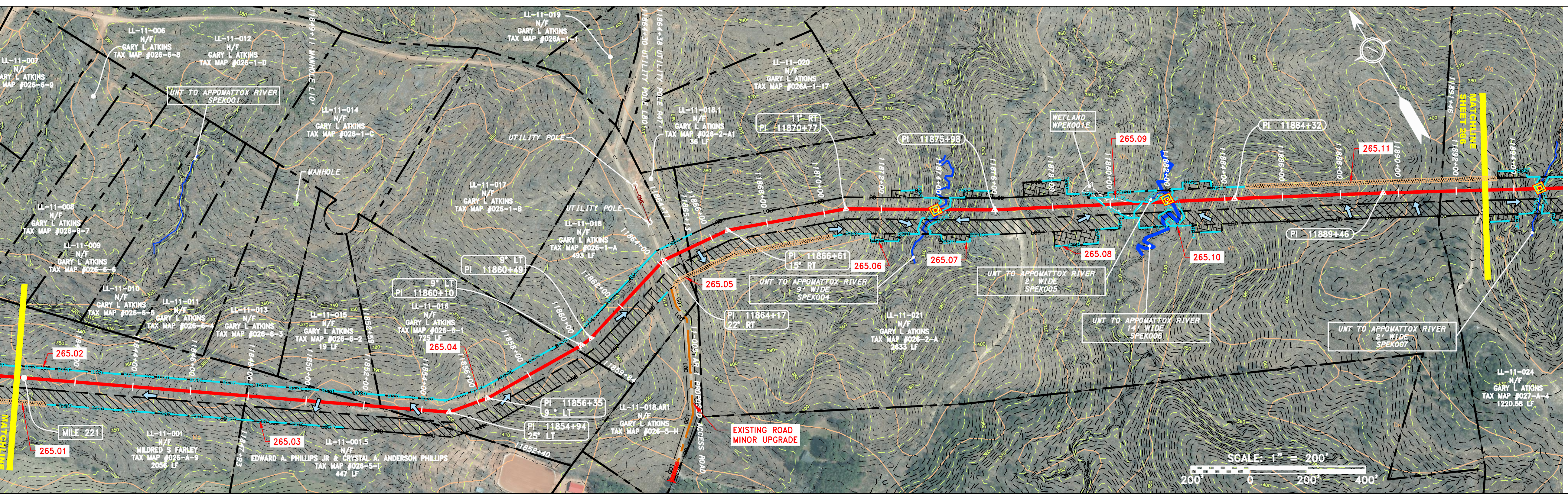
STATIONING & CONSTRUCTION LIMITS



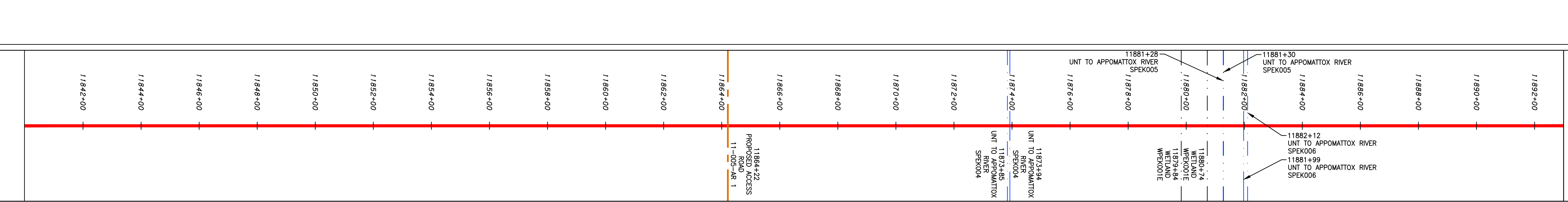
PROPERTY OWNERSHIP

11827+37	LL-11-001 MILDRED S FARLEY TAX MAP #026-A-9 2056 LF	11841+83	LL-11-001.5 EDWARD A. PHILLIPS JR & CRYSTAL A. ANDERSON PHILLIPS TAX MAP #026-5-1 447 LF	11852+40	LL-11-015 GARY L. ATKINS TAX MAP #026-6-2 19 LF	11852+59	LL-11-016 GARY L. ATKINS TAX MAP #026-6-1 725 LF	11859+84	LL-11-018 GARY L. ATKINS TAX MAP #026-1-A 493 LF	11864+77	LL-11-018.1 GARY L. ATKINS TAX MAP #026-2-A1 36 LF	11864+13	LL-11-021 GARY L. ATKINS TAX MAP #026-2-A 2633 LF	11871+46	LL-11-024 GARY L. ATKINS TAX MAP #027-A-4 1220.58 LF	11900+22
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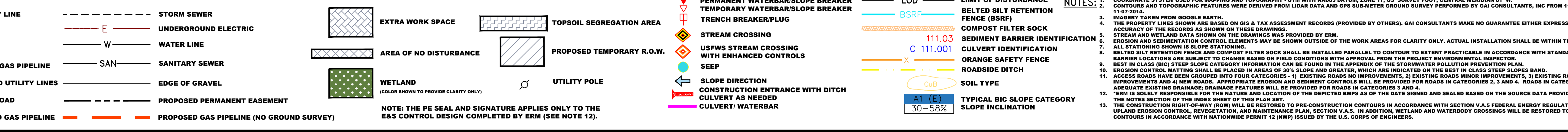
LEGEND



STRING VIEW BAND



LEGEND



REVISIONS

NO.	DATE	BY	APP'D.	DESCRIPTION

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

CONSTRUCTION ALIGNMENT STA. 11840+00 TO 11893+00  
PRINCE EDWARD COUNTY, VIRGINIA

SCALE: AS SHOWN  
DATE: 11/23/2016  
DRAWN: JFS  
CHECKED: DLH  
APPROVED: NET

gai consultants

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

PROJECT NO./DASH NO.  
C140468

TASK NO. SUB TASK NO.  
005 00

GROUP ID DRAWING NO.  
D E265

265 OF 344