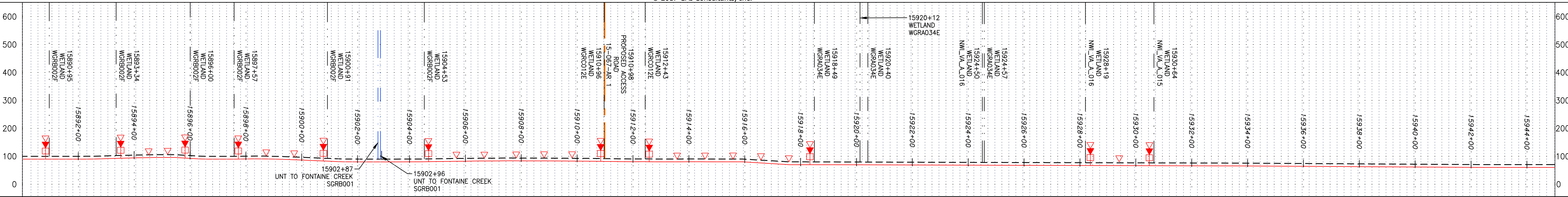
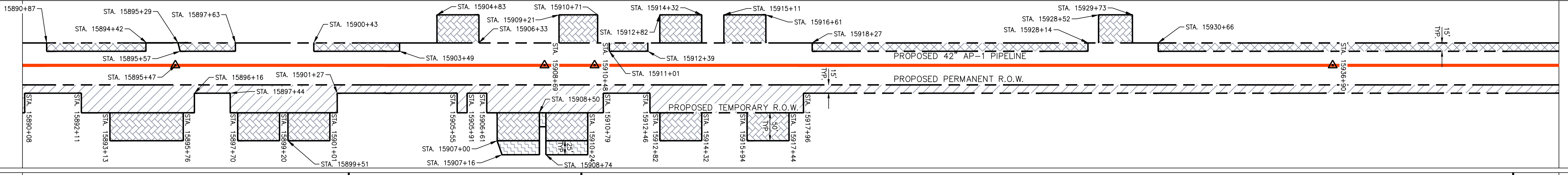


NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

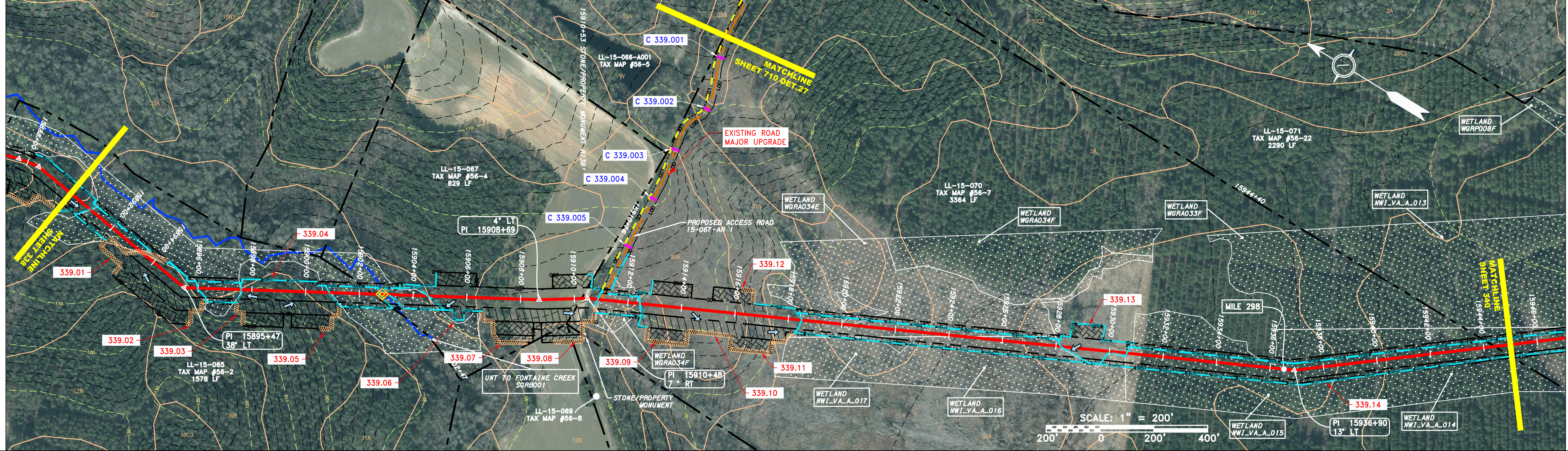
PROFILE VIEW
 HORZ: 1" = 200'
 VERT: 1" = 200'



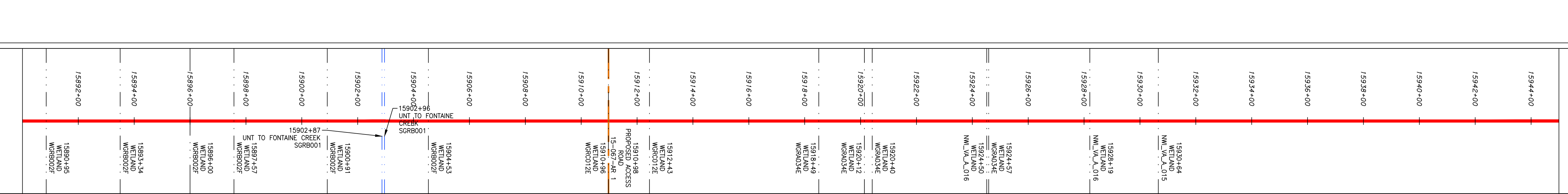
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



STRING VIEW BAND



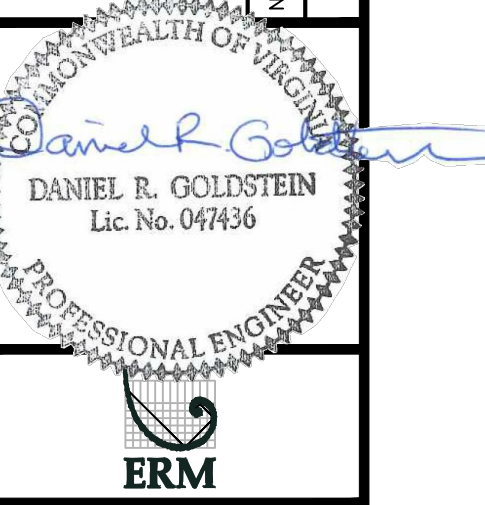
LEGEND

— X — X —	PROPERTY LINE	— E —	STORM SEWER	[Hatched Box]	EXTRA WORK SPACE	[Hatched Box]	TOPSOIL SEGREGATION AREA	[Red Arrow]	PERMANENT WATERBAR/SLOPE BREAKER	[Blue Line]	LOD	[Blue Line]	LIMIT OF DISTURBANCE	[Red Arrow]	1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
— X — X —	FENCE	— W —	UNDERGROUND ELECTRIC	[Hatched Box]	AREA OF NO DISTURBANCE	[Hatched Box]	PROPOSED TEMPORARY R.O.W.	[Red Arrow]	TEMPORARY WATERBAR/SLOPE BREAKER	[Blue Line]	BSRF	[Blue Line]	BELTED SILT RETENTION FENCE (BSRF)	[Red Arrow]	2. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND OPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
— G — G —	STREAM	— SAN —	WATER LINE	[Green Dotted Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Green Dotted Box]	UTILITY POLE	[Red Arrow]	TRENCH BREAKER/PLUG	[Blue Line]	111.03	[Blue Line]	COMPOST FILTER SOCK	[Red Arrow]	3. IMAGERY TAKEN FROM GOOGLE EARTH.
— G — G —	EXISTING GAS PIPELINE	— OH —	SANITARY SEWER	[Green Dotted Box]	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).	[Green Dotted Box]		[Red Arrow]	STREAM CROSSING	[Blue Line]	C 111.001	[Blue Line]	SEDIMENT BARRIER IDENTIFICATION	[Red Arrow]	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.
— OH —	OVERHEAD UTILITY LINES	— OH —	EDGE OF GRAVEL	[Green Dotted Box]		[Green Dotted Box]		[Red Arrow]	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	[Blue Line]	X	[Blue Line]	CULVERT IDENTIFICATION	[Red Arrow]	5. ALL STATIONING SHOWN IS SLOPE STATIONING.
— OH —	ACCESS ROAD	— OH —	PROPOSED PERMANENT EASEMENT	[Green Dotted Box]		[Green Dotted Box]		[Red Arrow]	SEEP	[Blue Line]	30-58%	[Blue Line]	ORANGE SAFETY FENCE	[Red Arrow]	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.
— OH —	PROPOSED GAS PIPELINE	— OH —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Green Dotted Box]		[Green Dotted Box]		[Red Arrow]	CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED	[Blue Line]	(Cub)	[Blue Line]	ROADSIDE DITCH	[Red Arrow]	7. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
— OH —		— OH —		[Green Dotted Box]		[Green Dotted Box]		[Red Arrow]	CULVERT/WATERBAR	[Blue Line]		[Blue Line]	SOIL TYPE	[Red Arrow]	8. EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.

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 OPS 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.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- 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.
- 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 SLOPES BAND.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE 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 INCH SHEET OF THIS PLAN SET.
- THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.A.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.A.5. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.

NO.	DATE	BY	CHKD.	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: SAQ
 CHECKED: DLH
 APPROVED: NET

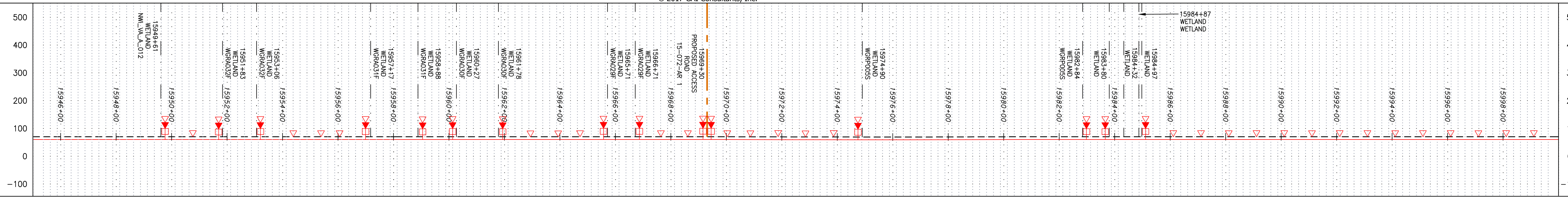


SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-875-3545

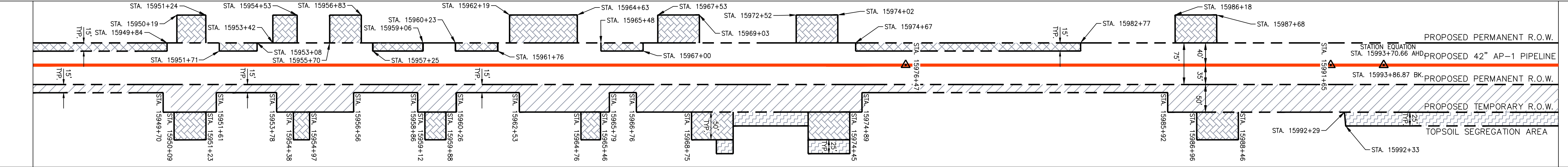
PROJECT NO./DASH NO.	C140468
TASK NO.	005
SUB TASK NO.	00
GROUP ID	D
DRAWING NO.	E339
339 OF 344	

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

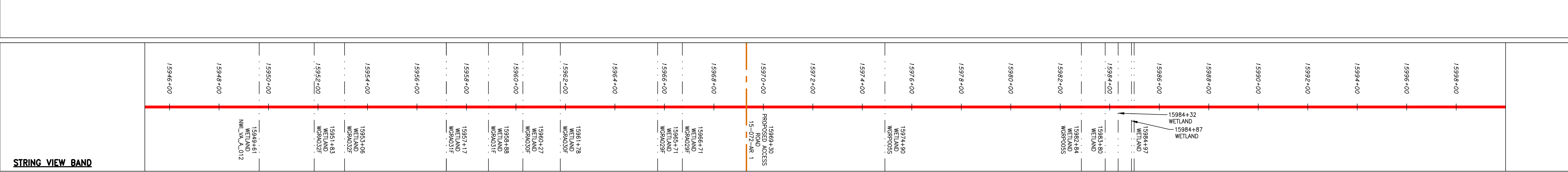
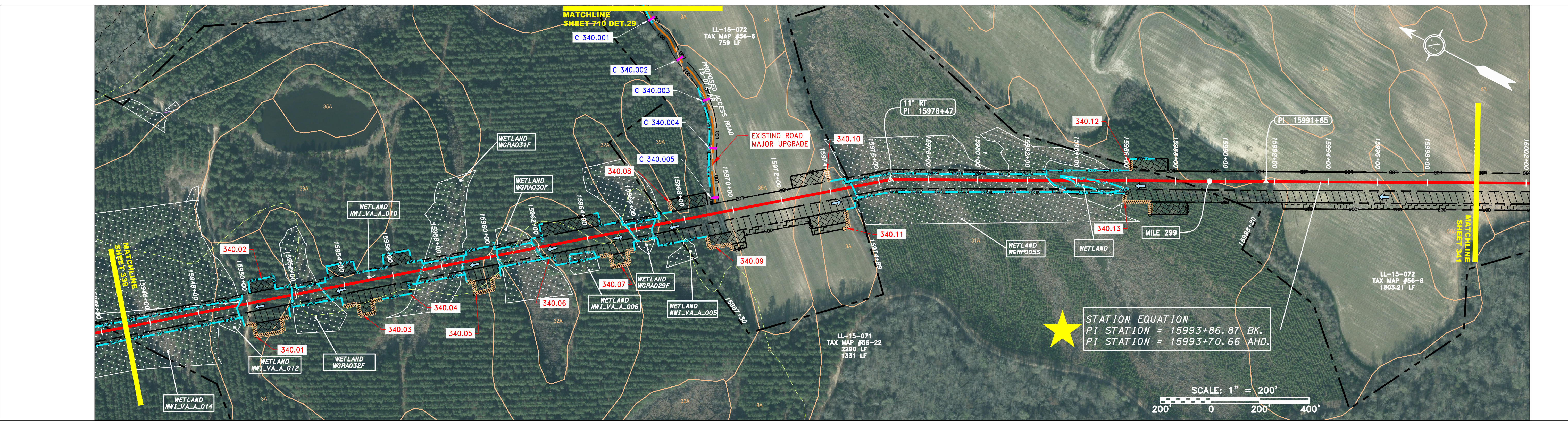
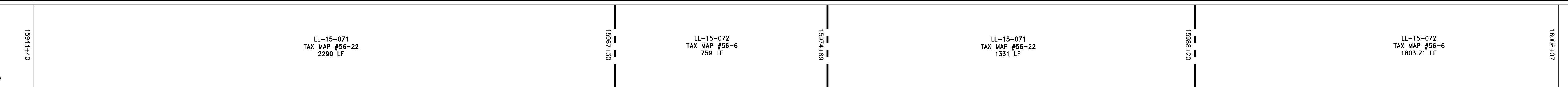
PROFILE VIEW
 HORZ: 1" = 200'
 VERT: 1" = 200'



STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



LEGEND

—	PROPERTY LINE	—	STORM SEWER	▨	EXTRA WORK SPACE	▨	TOPSOIL SEGREGATION AREA	▨	PERMANENT WATERBAR/SLOPE BREAKER	—	LOD	—	LIMIT OF DISTURBANCE
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)
—	STREAM	W	WATER LINE	▨	WETLAND	▨	UTILITY POLE	▨	TRENCH BREAKER/PLUG	▨	111.03	▨	COMPOST FILTER SOCK
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).	▨		▨	STREAM CROSSING WITH ENHANCED CONTROLS	▨	C 111.001	▨	SEDIMENT BARRIER IDENTIFICATION
OH	OVERHEAD UTILITY LINES	—	EDGE OF GRAVEL	▨		▨		▨	USPWS STREAM CROSSING WITH ENHANCED CONTROLS	▨	X	▨	ORANGE SAFETY FENCE
—	ACCESS ROAD	—	PROPOSED PERMANENT EASEMENT	▨		▨		▨	SEEP	▨	—	▨	ROADSIDE DITCH
—	PROPOSED GAS PIPELINE	—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▨		▨		▨	SLOPE DIRECTION	▨	—	▨	SOIL TYPE
				▨		▨		▨	CONSTRUCTION ENTRANCE WITH DITCH	▨	—	▨	AT (S)
				▨		▨		▨	CULVERT AS NEEDED	▨	—	▨	30-58%
				▨		▨		▨	CULVERT/WATERBAR	▨	—	▨	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION

REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

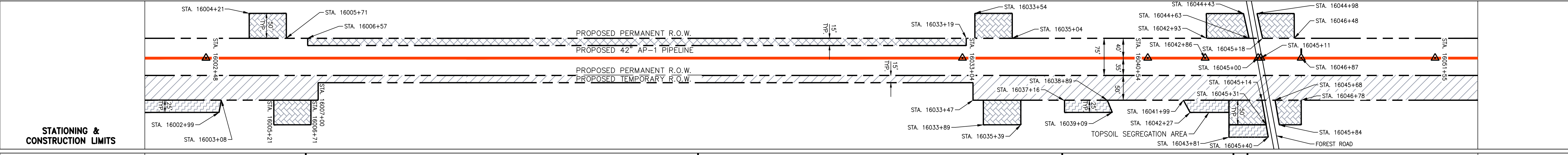
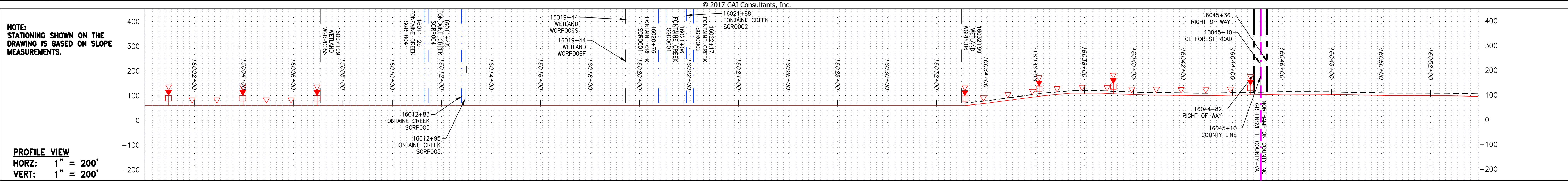
DANIEL R. GOLDSTEIN
 Lic. No. 047436
 ERM

ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 CONSTRUCTION ALIGNMENT STA. 15945+00 TO 16000+00
 GREENSVILLE COUNTY, VIRGINIA

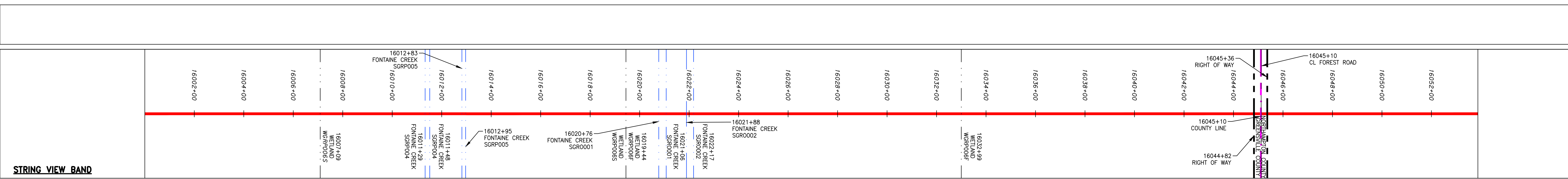
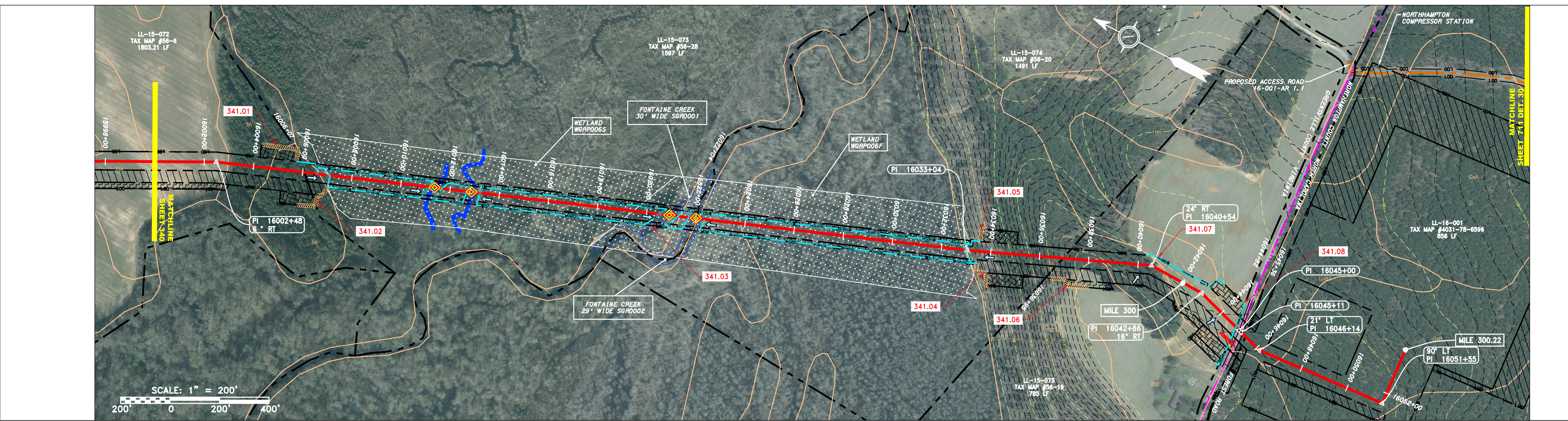
SCALE: AS SHOWN
 DATE: 11/23/2016
 DRAWN: SAQ
 CHECKED: DLH
 APPROVED: NET

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 E340
340 OF 344	



PROPERTY OWNERSHIP	ADDRESS	AREA
15989+20	LL-15-072 TAX MAP #56-6	1803.21 LF
16006+07	16006+07	
16022+04	LL-15-073 TAX MAP #56-28	1597 LF
16038+95	LL-15-074 TAX MAP #56-20	1491 LF
16044+82	LL-15-075 TAX MAP #56-19	787 LF
16046+36	LL-16-001 TAX MAP #4031-78-6596	856 LF
16053+92		



<p>LEGEND</p> <ul style="list-style-type: none"> 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 111.03 C 111.001 X CUB 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 	<p>NOTES:</p> <ol style="list-style-type: none"> 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 11-27-2014. IMAGERY TAKEN FROM GOOGLE EARTH. THE PROPERTY LINES SHOWN ON THE DRAWINGS MAY BE 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. EROSION CONTROL ELEMENTS SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BARRIERS 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 BARRIERS 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 3% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES PLAN. 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 INDICATED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4. ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMS 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.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.
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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

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA. 16000+00 TO 16053+92
 GREENSVILLE COUNTY, VIRGINIA & NORTHHAMPTON COUNTY, NORTH CAROLINA

SCALE:	AS SHOWN
DATE:	11/23/2016
DRAWN:	SAQ
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 E341
441 OF 344	6/2/2017 10:40 a.m.

GAI CAD FILE NO. I:\DOMINION\AP-1\FERC_ESC\CADD-GIS DATA\ACP_AP-1_FERC_VA_SHT_341.DWG