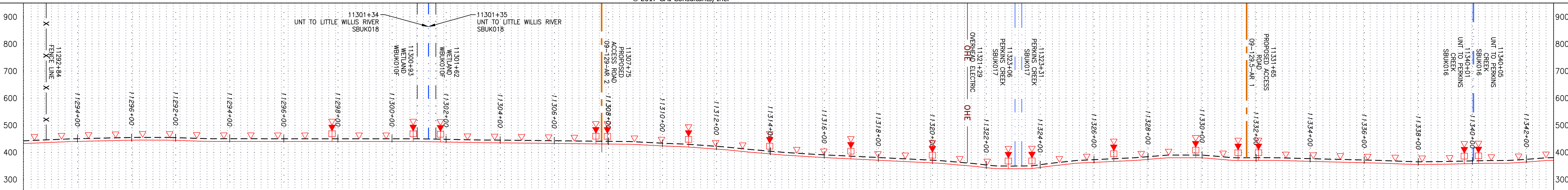
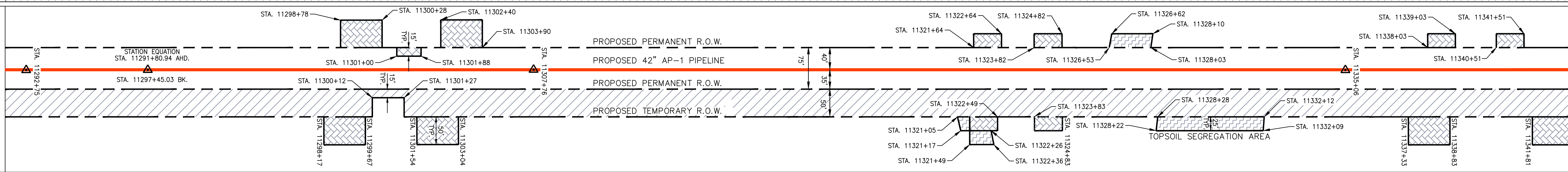


NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

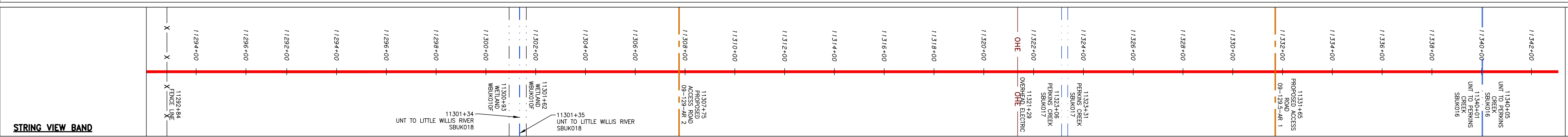
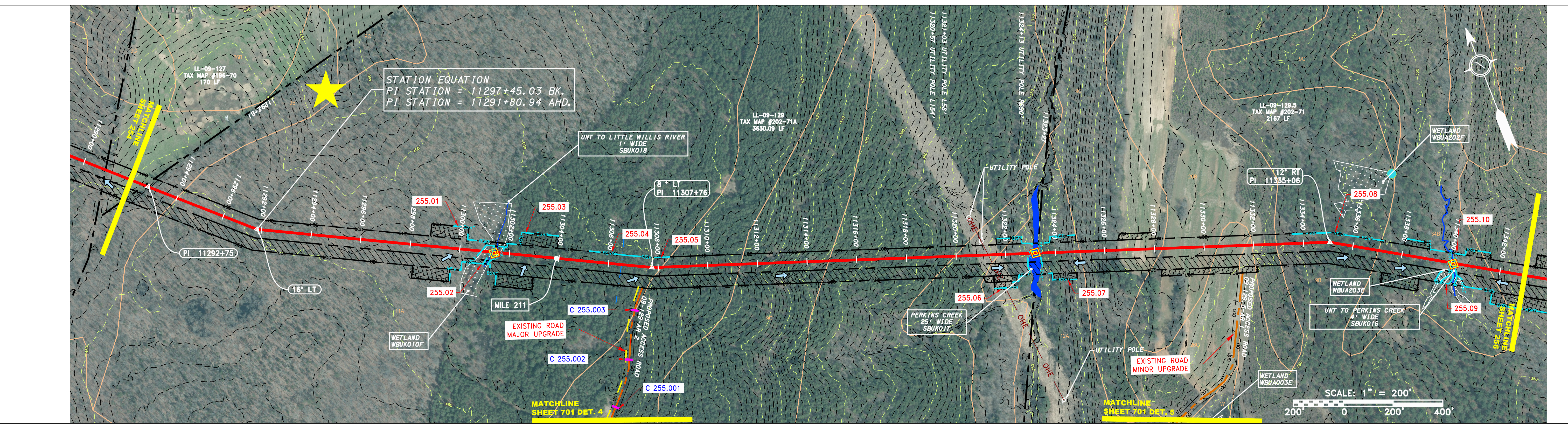
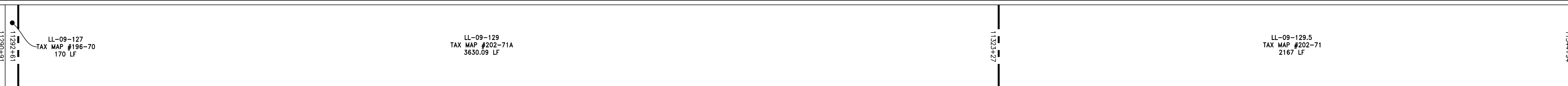
PROFILE VIEW  
 HORZ: 1" = 200'  
 VERT: 1" = 200'



STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



**LEGEND**

— X — X —	PROPERTY LINE	— E —	STORM SEWER	▨	EXTRA WORK SPACE	▨	TOPSOIL SEGREGATION AREA	— LOD —	LIMIT OF DISTURBANCE
— X — X —	FENCE	— W —	UNDERGROUND ELECTRIC	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	— BSRF —	BELTED SILT RETENTION FENCE (BSRF)
— G — G —	EXISTING GAS PIPELINE	— S —	SANITARY SEWER	▨	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	▨	UTILITY POLE	— C 111.03 —	SEDIMENT BARRIER IDENTIFICATION
— OH —	OVERHEAD UTILITY LINES	— E —	EDGE OF GRAVEL	▨		▨		— C 111.001 —	ORANGE SAFETY FENCE
— A —	ACCESS ROAD	— P —	PROPOSED PERMANENT EASEMENT	▨		▨		— X —	ROADSIDE DITCH
— G —	PROPOSED GAS PIPELINE	— P —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▨		▨		— CUB —	SOIL TYPE
								— A1 (E) 30-58% —	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION

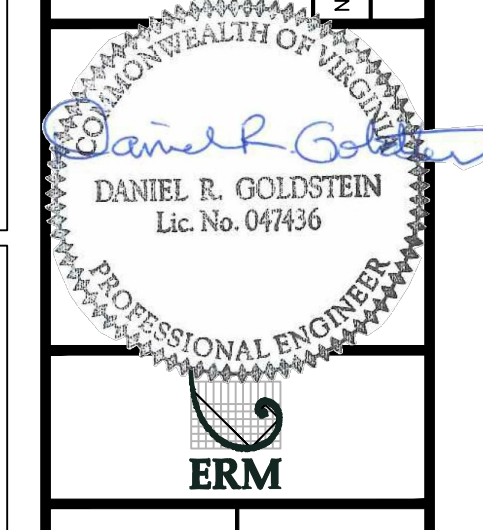
NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).

**NOTES:**

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY 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 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.
- 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 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 1 AND 2.
- 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) 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.

NO.	DATE	CHKD.	APPD.	DESCRIPTION

REVISIONS



42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA. 11292+00 TO 11343+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



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

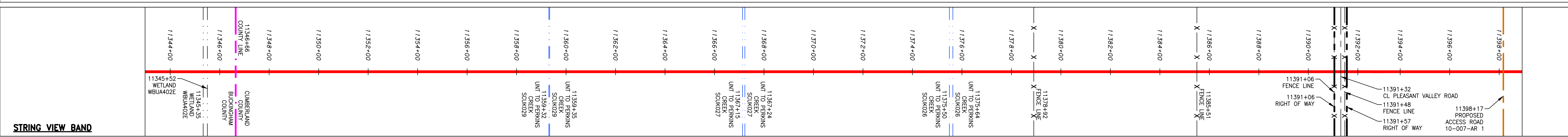
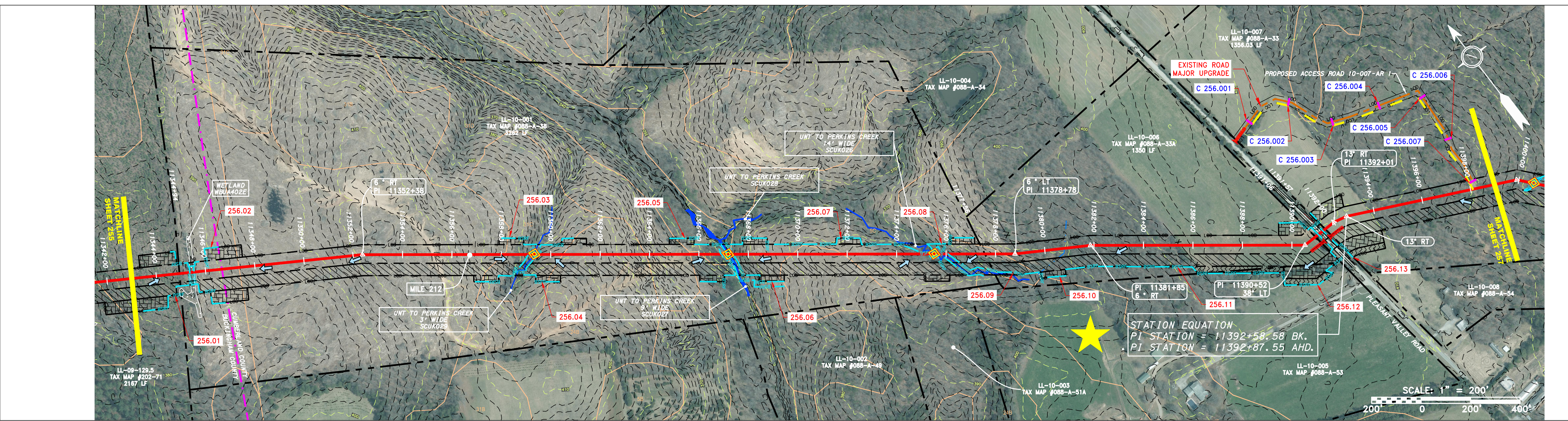
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TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E255
255 OF 344	6/1/2017 9:24 a.m.

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	—	UNDERGROUND ELECTRIC	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	▨	TEMPORARY WATERBAR/SLOPE BREAKER	▨	BSRF	▨	BELTED SILT RETENTION FENCE (BSRF)
—	STREAM	—	WATER LINE	▨	WETLAND	▨	UTILITY POLE	▨	TRENCH BREAKER/PLUG	▨	111.03	▨	COMPOST FILTER SOCK
G G	EXISTING GAS PIPELINE	—	SAN	▨	WETLAND	▨	UTILITY POLE	▨	STREAM CROSSING	▨	C 111.001	▨	SEDIMENT BARRIER IDENTIFICATION
OH	OVERHEAD UTILITY LINES	—	SANITARY SEWER	▨	WETLAND	▨	UTILITY POLE	▨	USPWS STREAM CROSSING WITH ENHANCED CONTROLS	▨	X	▨	ORANGE SAFETY FENCE
—	ACCESS ROAD	—	EDGE OF GRAVEL	▨	WETLAND	▨	UTILITY POLE	▨	SLEEP	▨	—	▨	ROADSIDE DITCH
—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	—	PROPOSED PERMANENT EASEMENT	▨	WETLAND	▨	UTILITY POLE	▨	STREAM DIRECTION	▨	—	▨	SOIL TYPE
		—	PROPOSED PERMANENT R.O.W.	▨	WETLAND	▨	UTILITY POLE	▨	CONSTRUCTION ENTRANCE WITH DITCH CULTURV AS NEEDED	▨	—	▨	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION
		—	PROPOSED TEMPORARY R.O.W.	▨	WETLAND	▨	UTILITY POLE	▨	CULVERT/WATERBAR	▨	—	▨	

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

**NOTES:**

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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 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.
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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

PROFESSIONAL ENGINEER  
 DANIEL R. GOLDSTEIN  
 Lic No. 047436  
 ERM

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

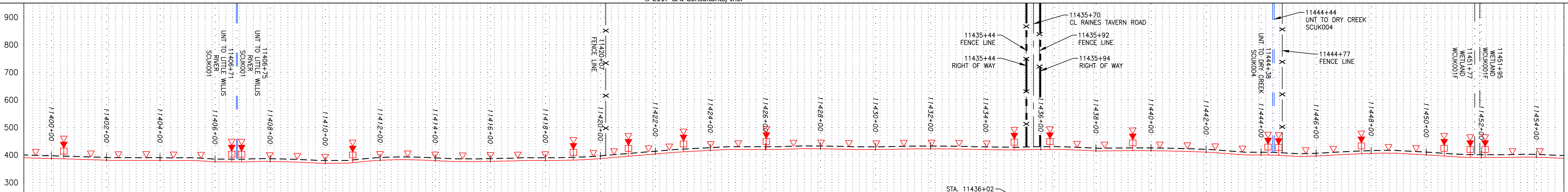
SCALE: AS SHOWN  
 DATE: 11/23/2016  
 DRAWN: JFS  
 CHECKED: DLH  
 APPROVED: NET

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

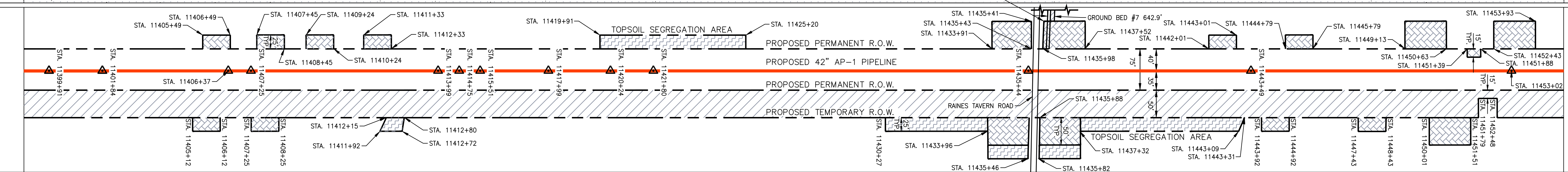
PROJECT NO./DASH NO.	C140468
TASK NO./SUB TASK NO.	005 / 00
GROUP ID	D
DRAWING NO.	E256
256 OF 344	

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

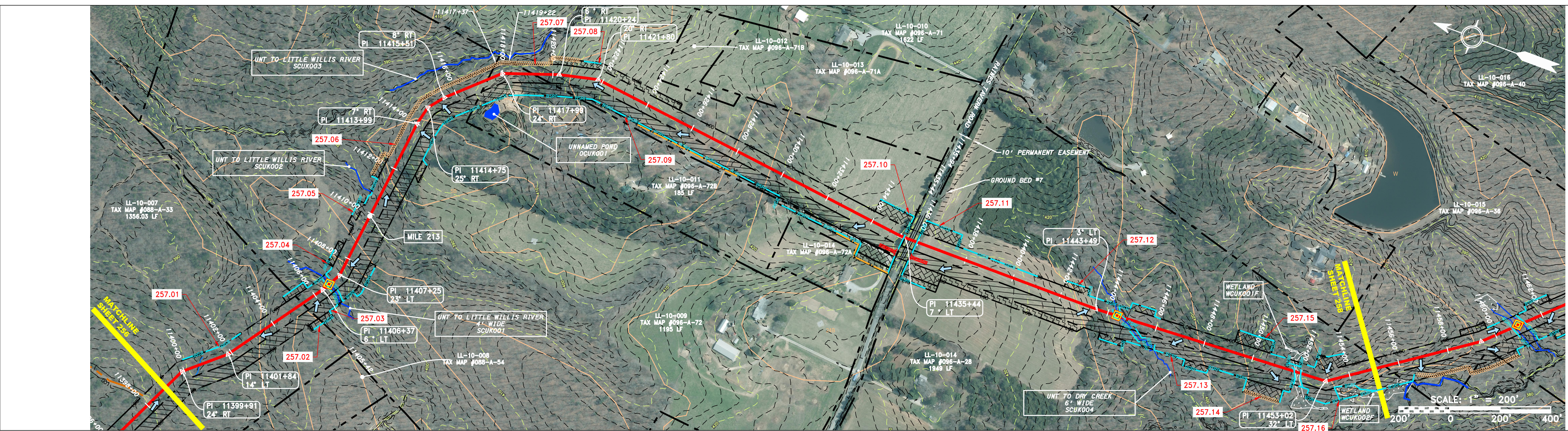
PROFILE VIEW  
 HORZ: 1" = 200'  
 VERT: 1" = 200'



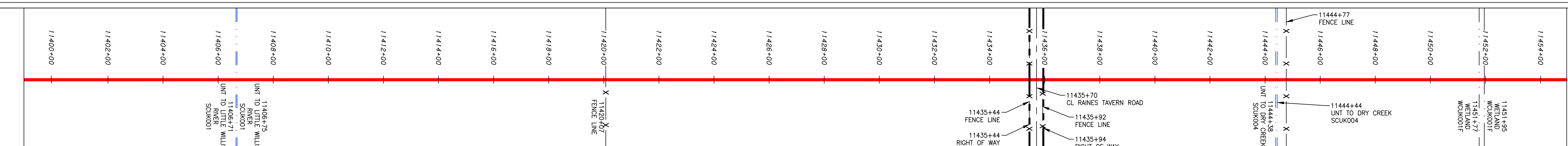
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



STRING VIEW BAND

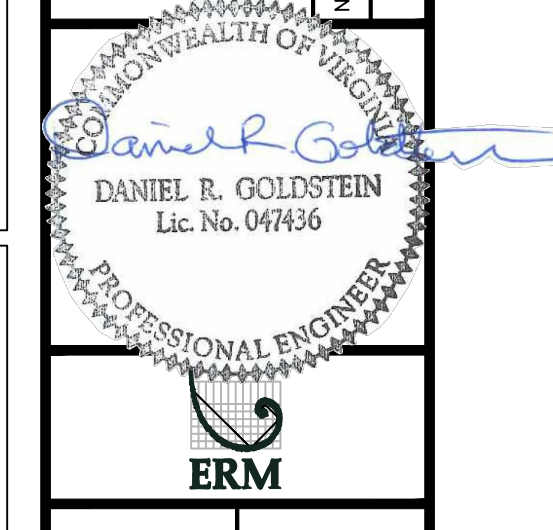


LEGEND

- PROPERTY LINE
- - - STORM SEWER
- - - UNDERGROUND ELECTRIC
- - - WATER LINE
- - - SANITARY SEWER
- - - EDGE OF GRAVEL
- - - PROPOSED PERMANENT EASEMENT
- - - PROPOSED GAS PIPELINE
- - - PROPOSED GAS PIPELINE (NO GROUND SURVEY)
- X X FENCE
- STREAM
- G G EXISTING GAS PIPELINE
- OH OVERHEAD UTILITY LINES
- ACCESS ROAD
- PROPOSED TEMPORARY R.O.W.
- UTILITY POLE
- EXTRA WORK SPACE
- AREA OF NO DISTURBANCE
- WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)
- TOPSOIL SEGREGATION AREA
- PROPOSED TEMPORARY R.O.W.
- PERMANENT WATERBAR/SLOPE BREAKER
- BELTED SILT RETENTION FENCE (BSRF)
- TRENCH BREAKER/PLUG
- STREAM CROSSING
- USFWS STREAM CROSSING WITH ENHANCED CONTROLS
- SEEP
- SLOPE DIRECTION
- CONSTRUCTION ENTRANCE WITH DITCH
- CULTVERT AS NEEDED
- CULTVERT/WATERBAR
- LOD
- BSRF
- 111.03 SEDIMENT BARRIER IDENTIFICATION
- C 111.001 ORANGE SAFETY FENCE
- X 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°.
  - 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 BASED ON OTHER 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.
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NO.	DATE	BY	DESCRIPTION

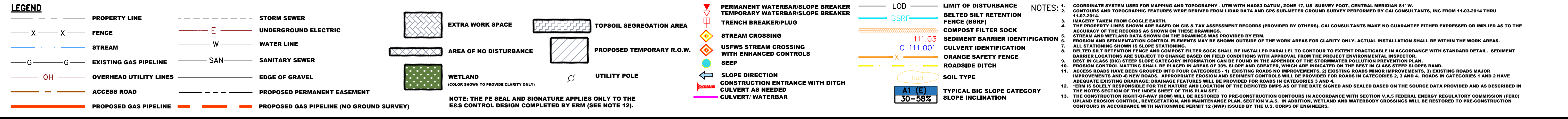
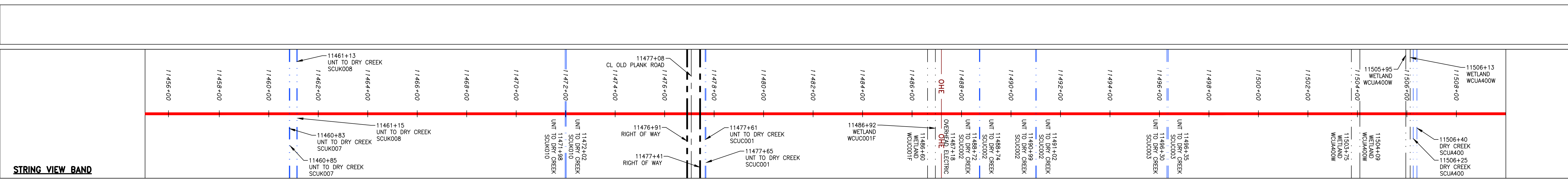
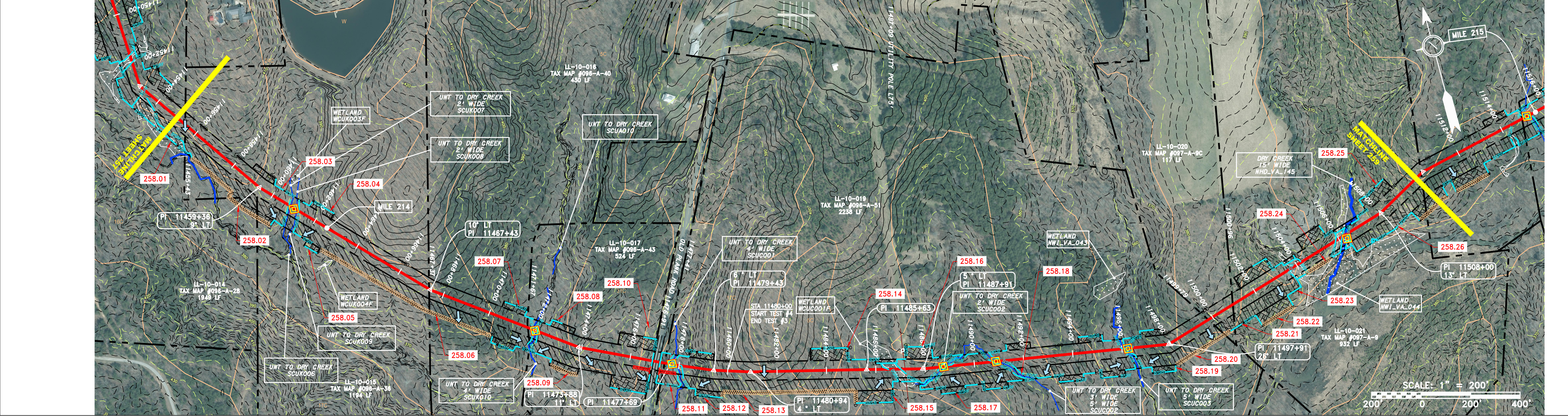
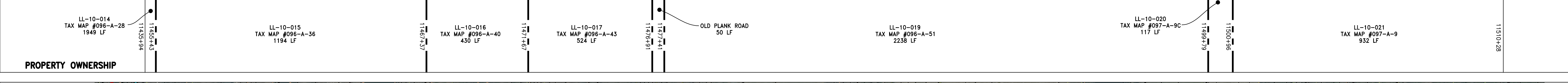
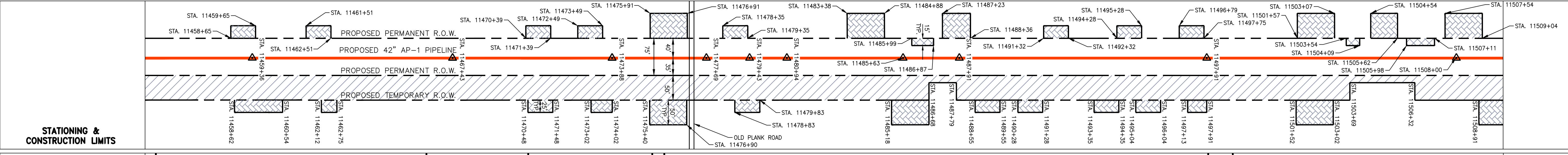
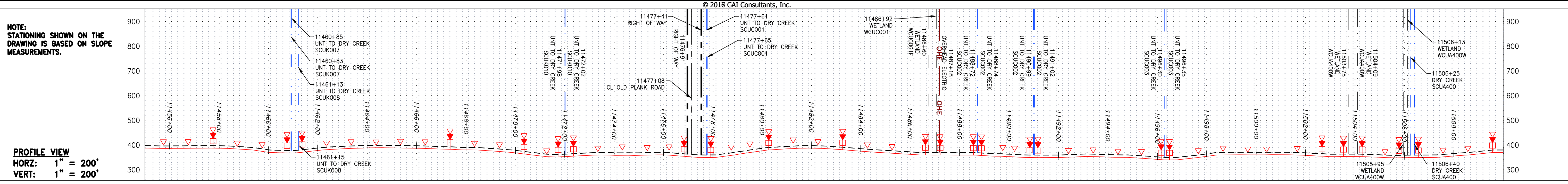


ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

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



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



NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

**REVISIONS**

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

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

**CONSTRUCTION ALIGNMENT STA. 11455+00 TO 11510+00**  
 COMBERLAND COUNTY, VIRGINIA

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

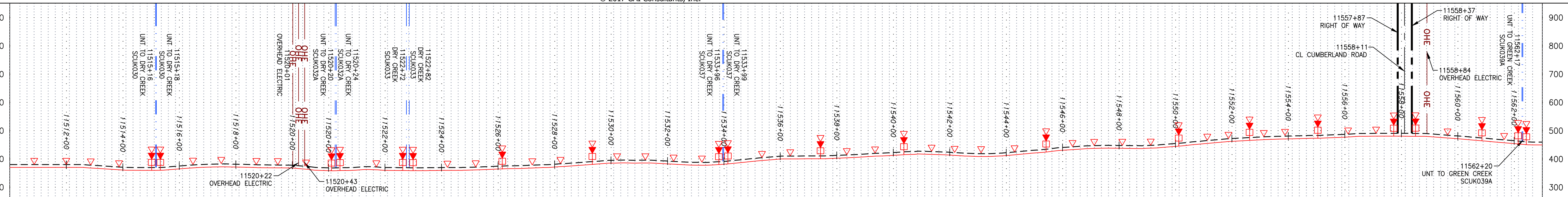
**gai consultants**

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

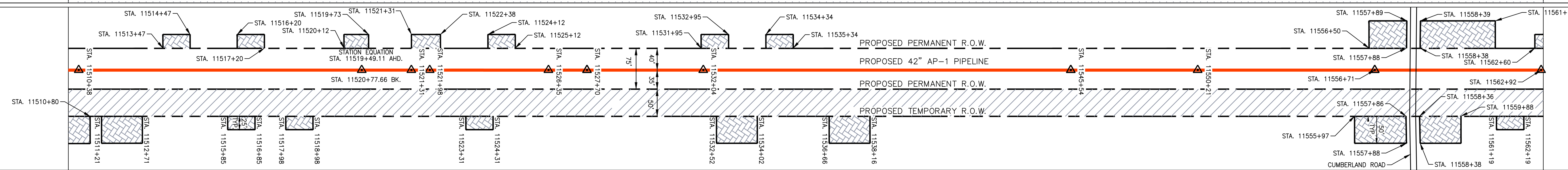
PROJECT NO./DASH NO.	C140468
TASK NO./SUB TASK NO.	005 / 00
GROUP ID	D
DRAWING NO.	E258
258	OF 344

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

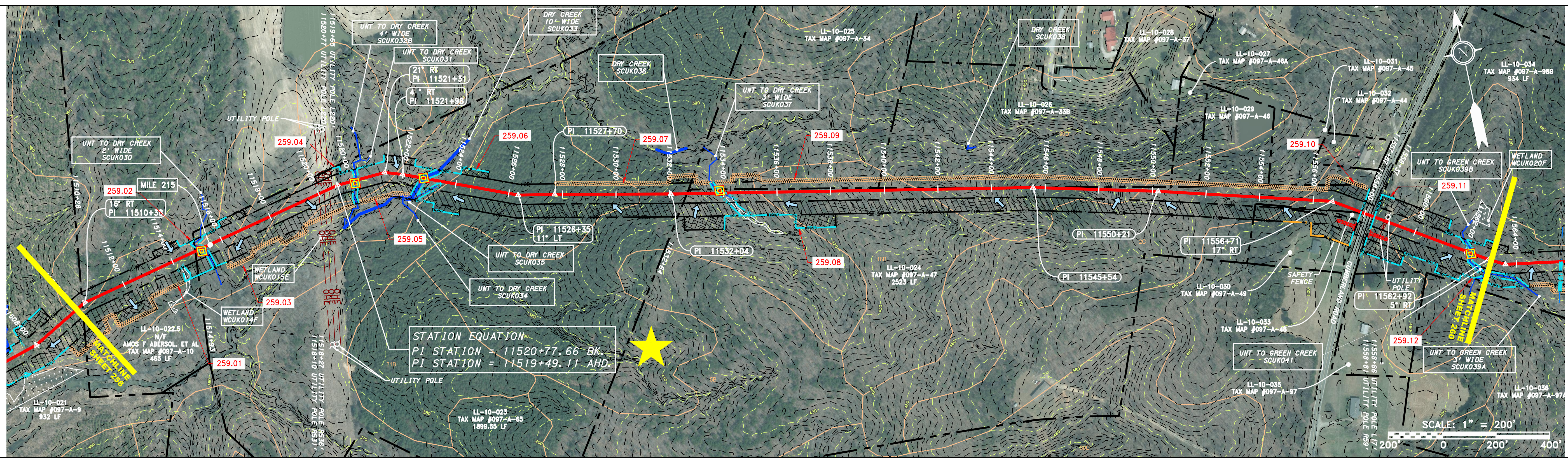
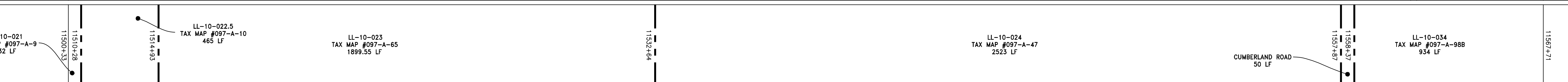
PROFILE VIEW  
 HORZ: 1" = 200'  
 VERT: 1" = 200'



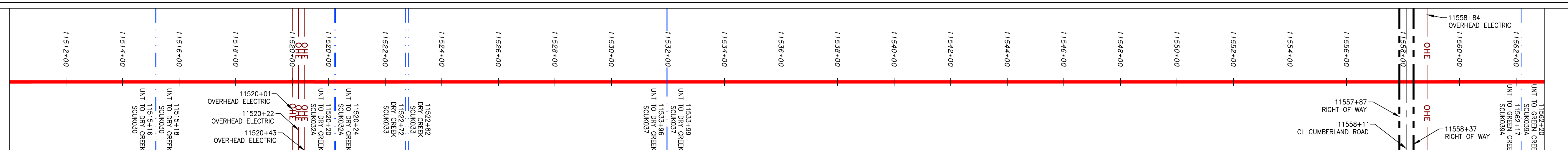
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



STRING VIEW BAND

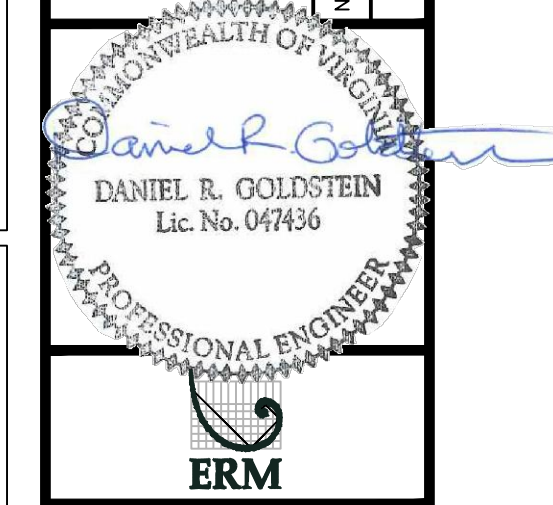


LEGEND

- PROPERTY LINE
- - - FENCE
- STREAM
- G - G - EXISTING GAS PIPELINE
- OH - OVERHEAD UTILITY LINES
- - - ACCESS ROAD
- - - PROPOSED GAS PIPELINE
- - - STORM SEWER
- - - UNDERGROUND ELECTRIC
- W - WATER LINE
- - - SANITARY SEWER
- - - EDGE OF GRAVEL
- - - PROPOSED PERMANENT EASEMENT
- - - PROPOSED GAS PIPELINE (NO GROUND SURVEY)
- EXTRA WORK SPACE
- AREA OF NO DISTURBANCE
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- 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 CULTIVAT AS NEEDED
- ◆ CULVERT/ WATERBAR
- LOD
- BSRF
- COMPOST FILTER SOCK
- SEDIMENT BARRIER IDENTIFICATION
- CULVERT IDENTIFICATION
- ORANGE SAFETY FENCE
- ROADSIDE DITCH
- SOIL TYPE
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NOTES:  
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 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. 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 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE 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. "ER" IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.  
 12. THE CONSTRUCTION RIGHT-OF-WAY (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



42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA 11510+00 TO 11563+00  
 ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 CUMBERLAND COUNTY, VIRGINIA

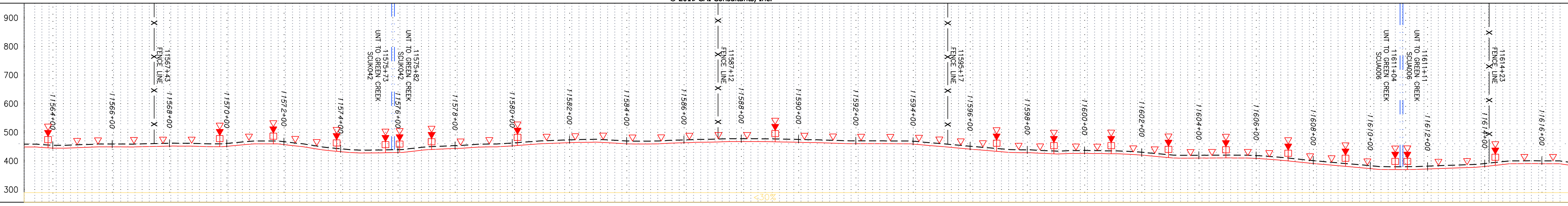
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 DATE: 11/23/2016  
 DRAWN: JFS  
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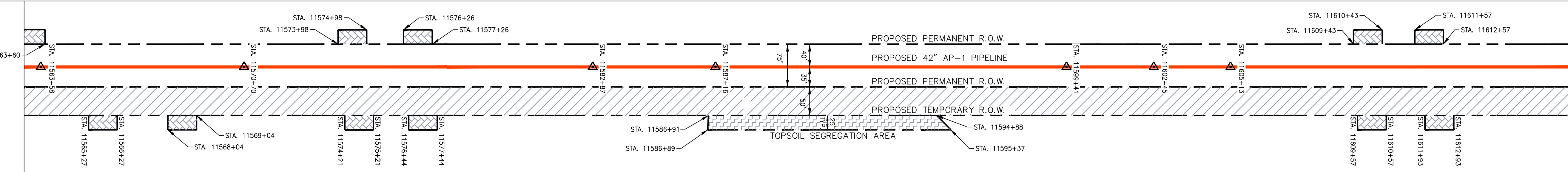
PROJECT NO./DASH NO.	C140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E259
259 OF 344	

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

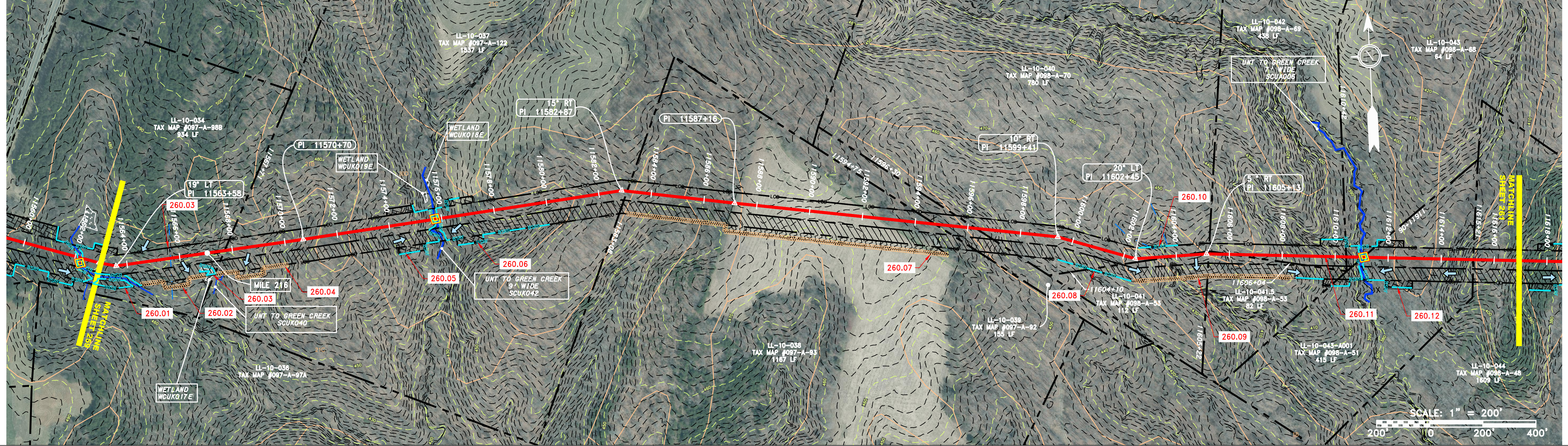
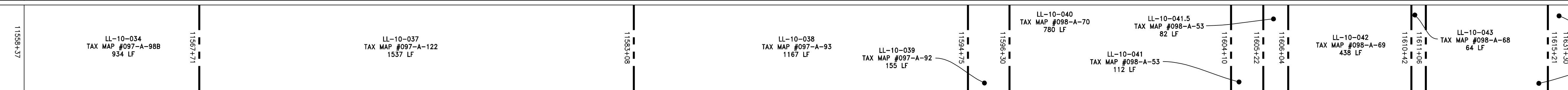
PROFILE VIEW  
 HORZ: 1" = 200'  
 VERT: 1" = 200'



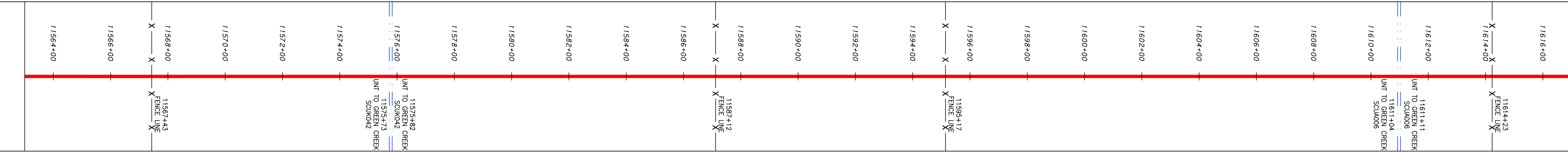
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



STRING VIEW BAND

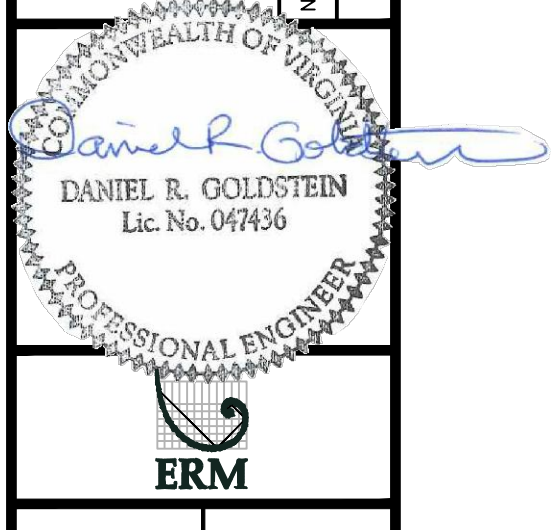


LEGEND

- PROPERTY LINE
- - - STORM SEWER
- X X FENCE
- STREAM
- G G EXISTING GAS PIPELINE
- OH OVERHEAD UTILITY LINES
- ACCESS ROAD
- PROPOSED GAS PIPELINE
- UNDERGROUND ELECTRIC
- W WATER LINE
- SANITARY SEWER
- EDGE OF GRAVEL
- PROPOSED PERMANENT EASEMENT
- PROPOSED GAS PIPELINE (NO GROUND SURVEY)
- EXTRA WORK SPACE
- AREA OF NO DISTURBANCE
- WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)
- TOPSOIL SEGREGATION AREA
- PROPOSED TEMPORARY R.O.W.
- UTILITY POLE
- PERMANENT WATERBAR/SLOPE BREAKER
- TEMPORARY WATERBAR/SLOPE BREAKER
- TRENCH BREAKER/PLUG
- STREAM CROSSING
- USPWS STREAM CROSSING WITH ENHANCED CONTROLS
- SEEP
- SLOPE DIRECTION
- CONSTRUCTION ENTRANCE WITH DITCH
- CULVERT AS NEEDED
- CULVERT/WATERBAR
- LOD
- BSRF
- 111.001
- C 111.003
- X
- SOIL TYPE
- A1 (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 11-27-2014.
  - 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.
  - 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 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.
  - ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
  - ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.
  - THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.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  
 CUMBERLAND COUNTY, VIRGINIA

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

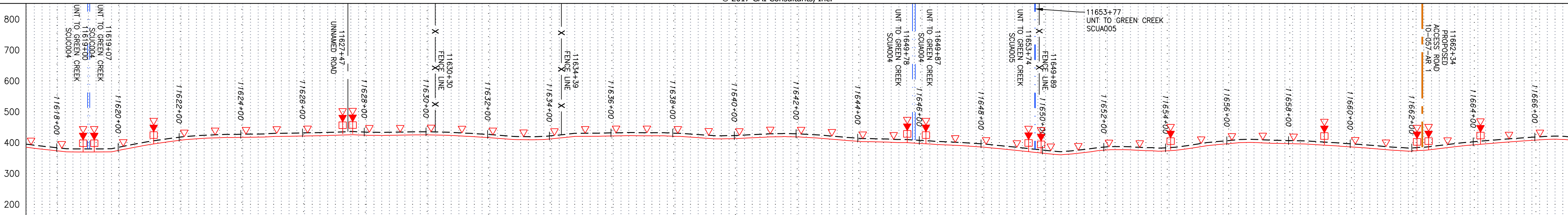


PROJECT NO./DASH NO.	C140468
TASK NO.	005
SUB TASK NO.	00
GROUP ID	D
DRAWING NO.	E260
260 OF 344	

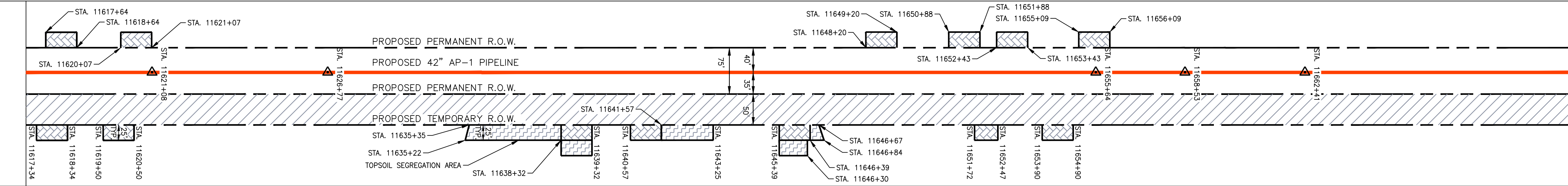
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NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

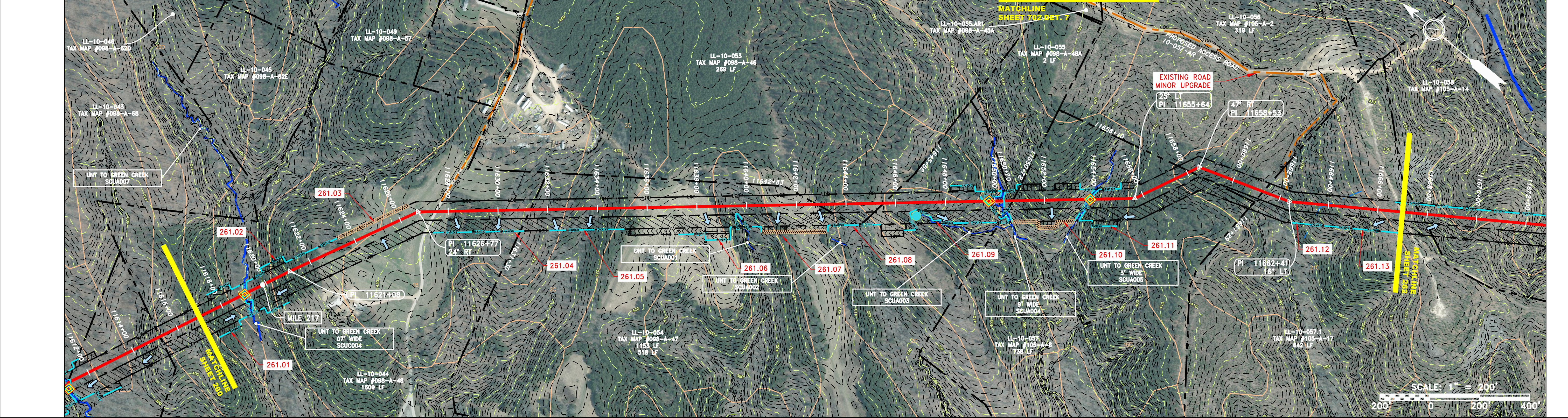
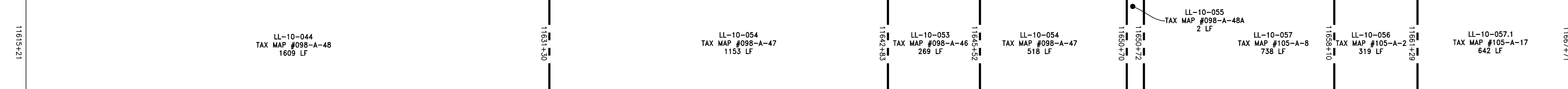
PROFILE VIEW  
 HORZ: 1" = 200'  
 VERT: 1" = 200'



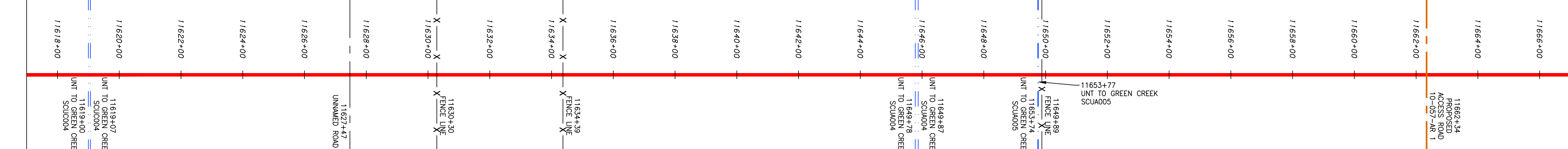
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



STRING VIEW BAND

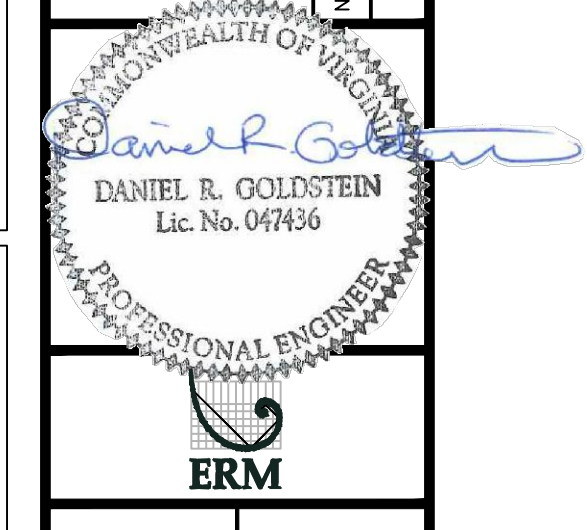


LEGEND

- PROPERTY LINE
- - - STORM SEWER
- X X FENCE
- UNDERGROUND ELECTRIC
- STREAM
- WATER LINE
- G G EXISTING GAS PIPELINE
- SANITARY SEWER
- OVERHEAD UTILITY LINES
- EDGE OF GRAVEL
- ACCESS ROAD
- PROPOSED PERMANENT EASEMENT
- PROPOSED GAS PIPELINE
- PROPOSED GAS PIPELINE (NO GROUND SURVEY)
- EXTRA WORK SPACE
- 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
- SEEP
- SLOPE DIRECTION
- CONSTRUCTION ENTRANCE WITH DITCH
- CULVERT AS NEEDED
- CULVERT/WATERBAR
- LOD
- LIMIT OF DISTURBANCE
- BELTED SILT RETENTION FENCE (BSRF)
- COMPOST FILTER SOCK
- SEDIMENT BARRIER IDENTIFICATION
- CULVERT IDENTIFICATION
- ORANGE SAFETY FENCE
- ROADSIDE DITCH
- SOIL TYPE
- A1 (E) 30-58%
- 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.
  - 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.
  - EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
  - 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 SLOPE BAND.
  - ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
  - ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INSTRUMENT OF SERVICE. 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



PROJECT NO./DASH NO.  
**C140468**

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

GROUP ID DRAWING NO.  
**D E261**

261 OF 344

42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA. 11617+00 TO 11667+00

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

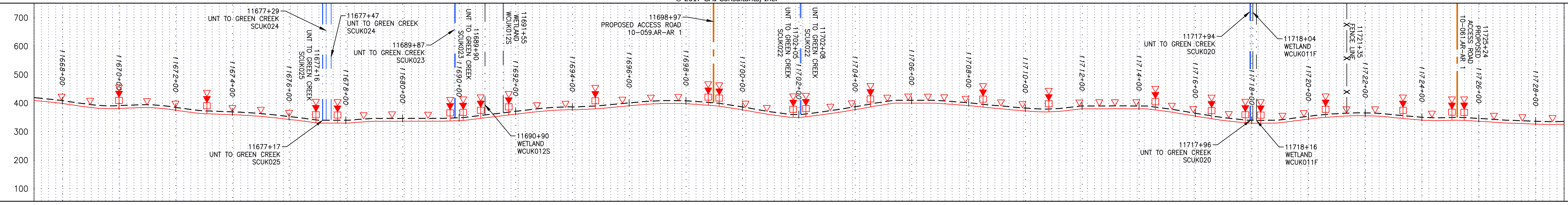
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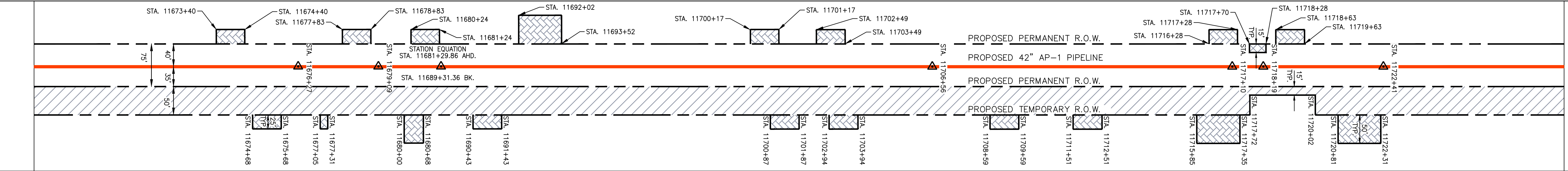
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TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E261
261 OF 344	

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

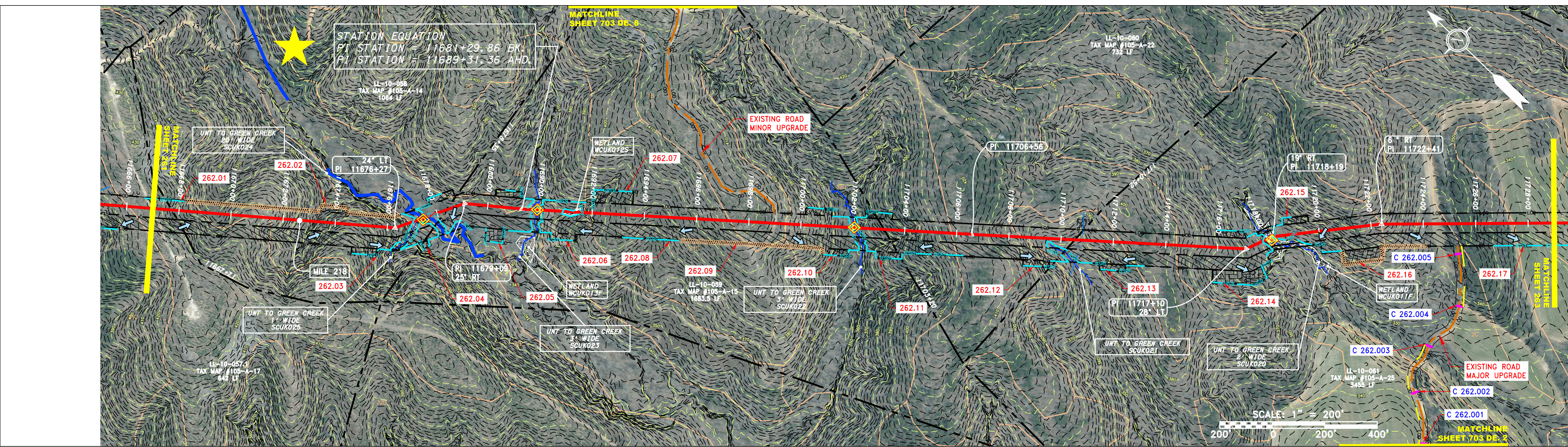
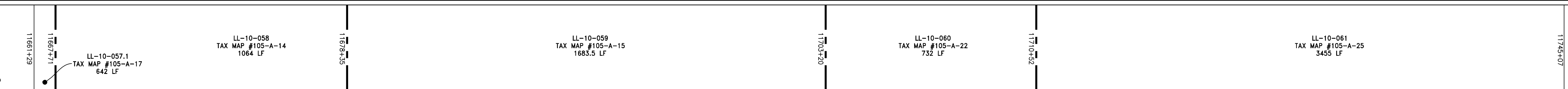
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 HORZ: 1" = 200'  
 VERT: 1" = 200'



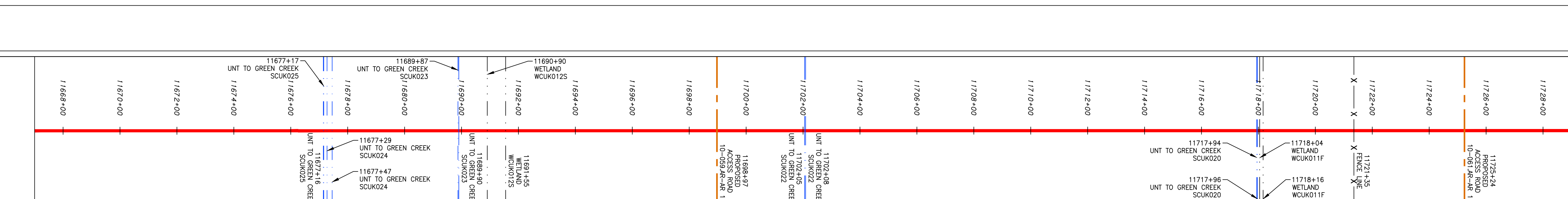
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



STRING VIEW BAND

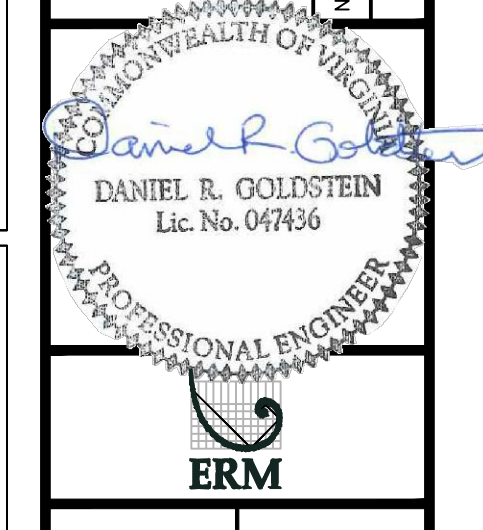


LEGEND

- PROPERTY LINE
- - - STORM SEWER
- X X FENCE
- STREAM
- G G EXISTING GAS PIPELINE
- OH OVERHEAD UTILITY LINES
- ACCESS ROAD
- PROPOSED GAS PIPELINE
- 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 (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
- Diamond CROSSING
- USPWS STREAM CROSSING WITH ENHANCED CONTROLS
- SEEP
- 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
- A1 (E) TYPICAL BIC SLOPE CATEGORY
- 30-58% 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 11-27-2014.
  - IMAGERY TAKEN FROM GOOGLE EARTH.
  - THE PROPERTY LINES SHOWN ON THESE 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.
  - ALL STATIONING SHOWN IS SLOPE STATIONING.
  - EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
  - 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 SLOPE BAND.
  - BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
  - IMPROVEMENTS AND J) 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.
  - ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MAJOR IMPROVEMENTS AND 3) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE, DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
  - ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE REVISION 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  
 CUMBERLAND COUNTY, VIRGINIA

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



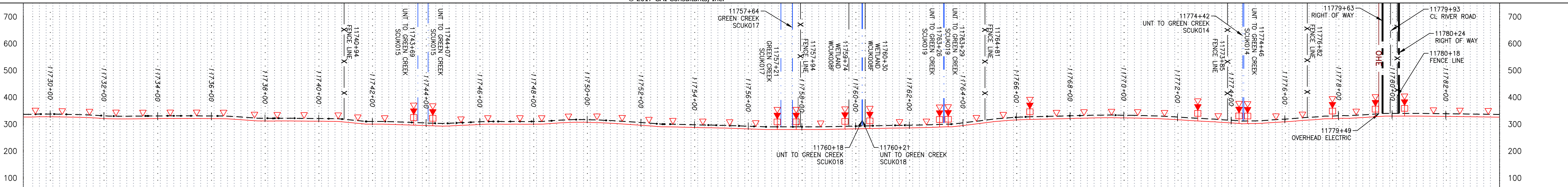
SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-873-3545

PROJECT NO./DASH NO.	C140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E262
262 OF 344	

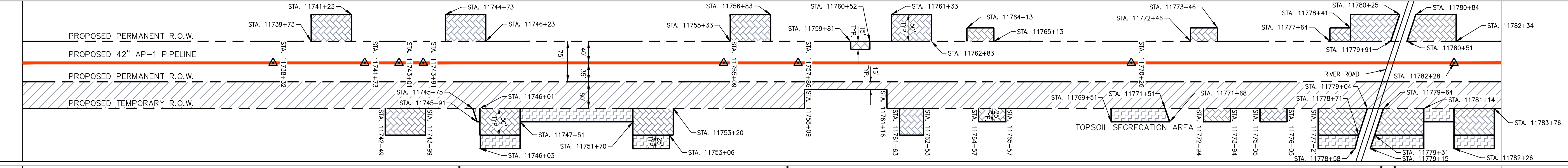


NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

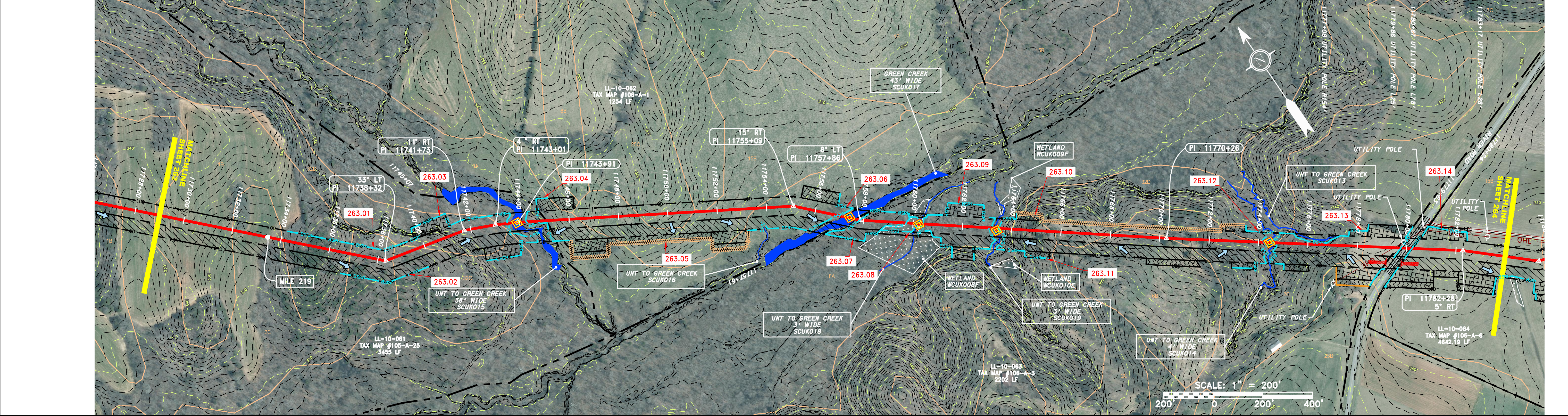
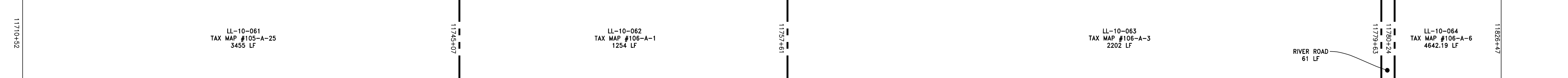
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 HORZ: 1" = 200'  
 VERT: 1" = 200'



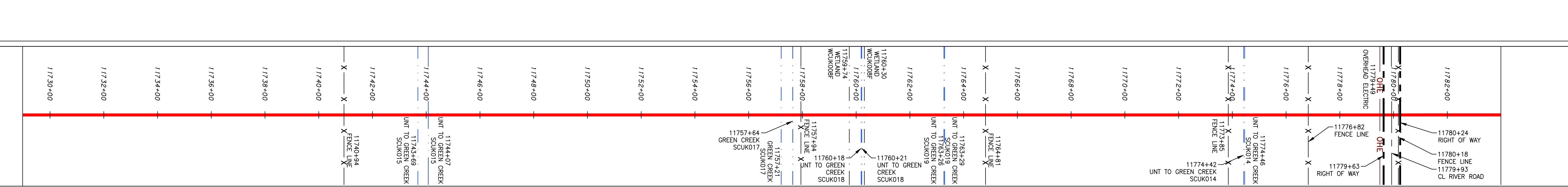
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



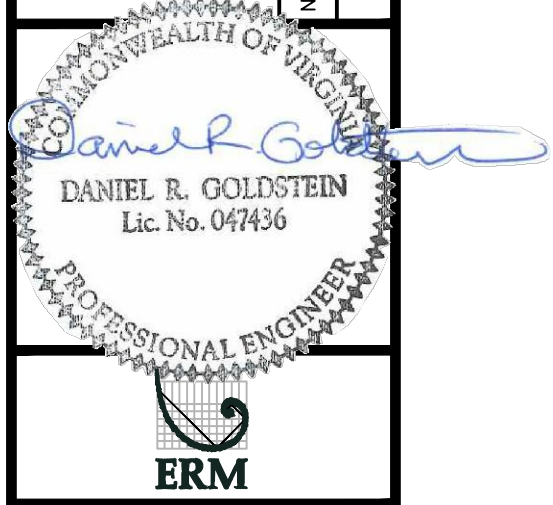
STRING VIEW BAND



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 (COLOR SHOWN TO PROVIDE CLARITY ONLY)</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>USFSW STREAM CROSSING WITH ENHANCED CONTROLS</li> <li>SLEEP</li> <li>SLOPE DIRECTION</li> <li>CONSTRUCTION ENTRANCE WITH DITCH</li> <li>CULVERT AS NEEDED</li> <li>CULVERT/WATERBAR</li> </ul>	<ul style="list-style-type: none"> <li>LOD</li> <li>BSRF</li> <li>111.03</li> <li>C 111.001</li> <li>X</li> <li>CUb</li> <li>A1 (E)</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>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>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 IMPROVEMENT 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	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	