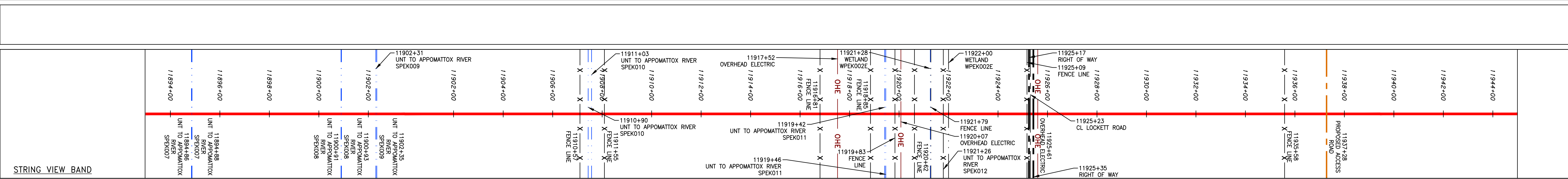
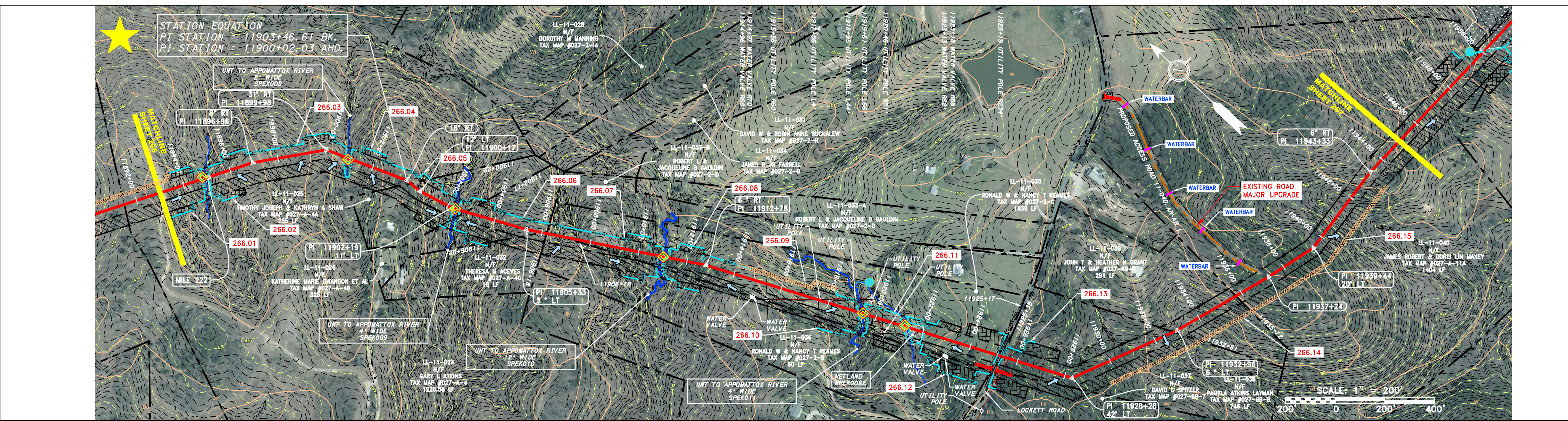


PROPERTY OWNERSHIP

11891+46	LL-11-024 N/F GARY L ATKINS TAX MAP #027-A-4 1220.58 LF	11894+22	LL-11-025 N/F TIMOTHY JOSEPH & KATHRYN A SHAW TAX MAP #027-A-4A 255 LF	11898+27	LL-11-026 N/F KATHERINE MARIE SWANSON ET AL TAX MAP #027-A-4B 325 LF	11901+18	LL-11-032 N/F THERESA M ACEVES TAX MAP #027-A-4C 16 LF	11904+78	LL-11-036 N/F RONALD W & NANCY T REAMES TAX MAP #027-2-B 60 LF	11907+77	LL-11-035 N/F RONALD W & NANCY T REAMES TAX MAP #027-2-C 1839 LF	11912+17	LOCKETT ROAD 18 LF	11921+35	LL-11-038 N/F PAMELA ATKINS LAYMAN TAX MAP #027-6B-8 746 LF	11931+71	LL-11-039 N/F JOHN T & HEATHER N GRANT TAX MAP #027-6B-9 291 LF	11937+22	LL-11-040 N/F JAMES ROBERT & DORIS LUN MAXEY TAX MAP #027-A-11A 1404 LF	11942+76	
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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	— — — — —	COMPOST FILTER SOCK	— — — — —	SEDIMENT BARRIER IDENTIFICATION
G G	EXISTING GAS PIPELINE	— — — — —	SAN	▨	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	▨	UTILITY POLE	▲	STREAM CROSSING	— — — — —	ORANGE SAFETY FENCE	— — — — —	CULVERT IDENTIFICATION
OH	OVERHEAD UTILITY LINES	— — — — —	SANITARY SEWER	▨	WETLAND	▨	UTILITY POLE	▲	USPWS STREAM CROSSING WITH ENHANCED CONTROLS	— — — — —	ROADSIDE DITCH	— — — — —	SOIL TYPE
— — — — —	ACCESS ROAD	— — — — —	EDGE OF GRAVEL	▨	WETLAND	▨	UTILITY POLE	▲	SEEP	— — — — —	SOIL TYPE	— — — — —	AT (E)
— — — — —	PROPOSED PERMANENT EASEMENT	— — — — —	PROPOSED GAS PIPELINE	▨	WETLAND	▨	UTILITY POLE	▲	CONSTRUCTION ENTRANCE WITH DITCH	— — — — —	SOIL TYPE	— — — — —	30-58%
— — — — —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	— — — — —	PROPOSED GAS PIPELINE	▨	WETLAND	▨	UTILITY POLE	▲	CULVERT AS NEEDED	— — — — —	SOIL TYPE	— — — — —	
— — — — —	PROPOSED GAS PIPELINE	— — — — —	PROPOSED GAS PIPELINE	▨	WETLAND	▨	UTILITY POLE	▲	CULVERT/WATERBAR	— — — — —	SOIL TYPE	— — — — —	

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, U.S. SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SURVEY DATA PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- ALL STATIONING SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- EROSION CONTROL MEASURES 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 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 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 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 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 EROSION 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

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

ERM

42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA. 11893+00 TO 11945+00
 PRINCE EDWARD 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

PROJECT NO./DASH NO.
 C140/68

TASK NO./SUB TASK NO.
 005 / 00

GROUP ID / DRAWING NO.
 D / E266

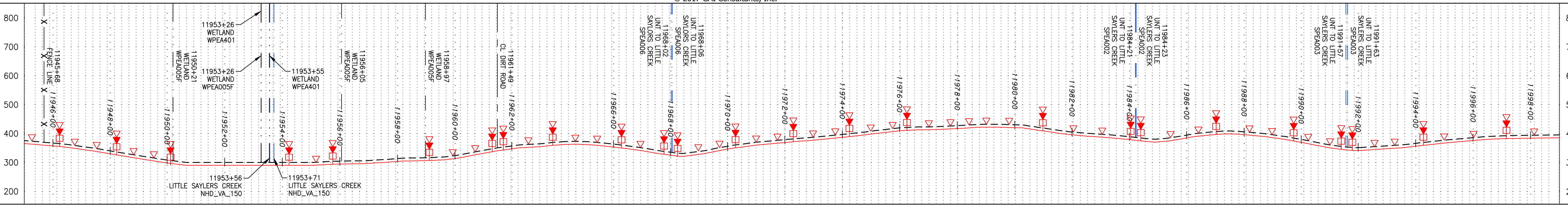
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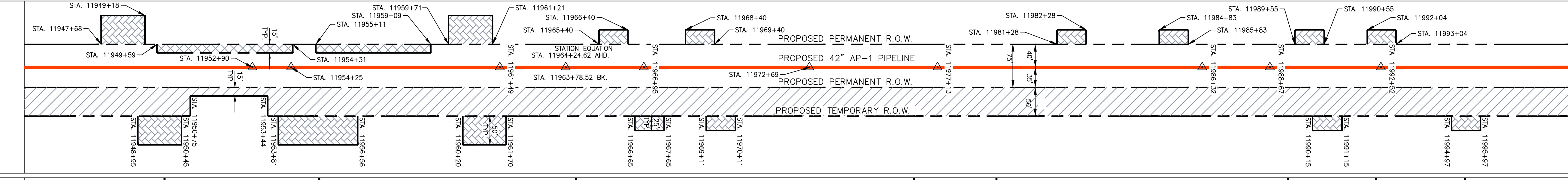
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NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

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

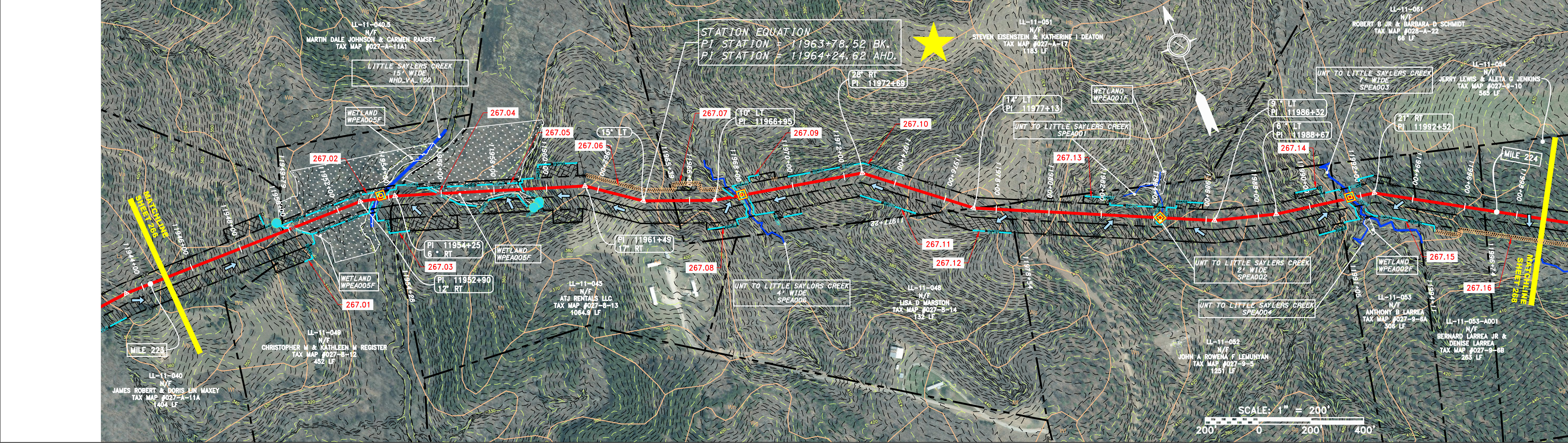


STATIONING & CONSTRUCTION LIMITS

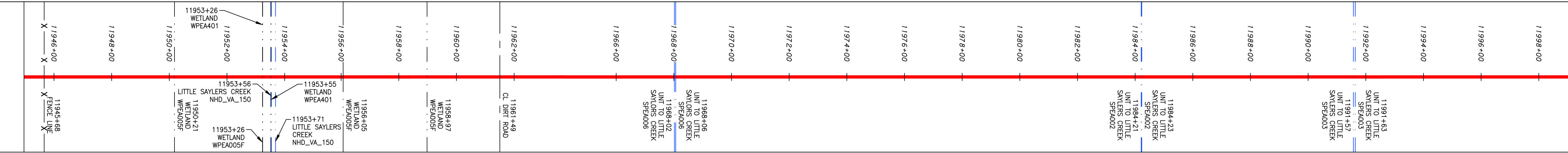


PROPERTY OWNERSHIP

11935+72	LL-11-040 N/F JAMES ROBERT & DORIS LIN MAXEY TAX MAP #027-A-11A 1404 LF	11949+76	LL-11-049 N/F CHRISTOPHER M & KATHLEEN W REGISTER TAX MAP #027-B-12 452 LF	11954+28	LL-11-045 N/F ATI RENTALS LLC TAX MAP #027-B-13 1064.9 LF	11969+39	LL-11-051 N/F STEVEN EISENSTEIN & KATHERINE I DEATON MAP #027-A-17 1183 LF	11974+22	LL-11-048 N/F LISA D MARSTON TAX MAP #027-B-14 132 LF	11977+22	LL-11-052 N/F JOHN A & ROWENA F LEMUNYAN TAX MAP #027-9-5 1251 LF	11981+00	LL-11-053 N/F ANTHONY B LARREA TAX MAP #027-9-6A 306 LF	11984+11	LL-11-053-A001 N/F BERNARD LARREA JR & DENISE LARREA TAX MAP #027-9-6B 263 LF	11989+74	LL-11-054 N/F JERRY LEWIS & ALETA G JENKINS TAX MAP #027-9-10 565 LF	12002+39
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STRING VIEW BAND



LEGEND

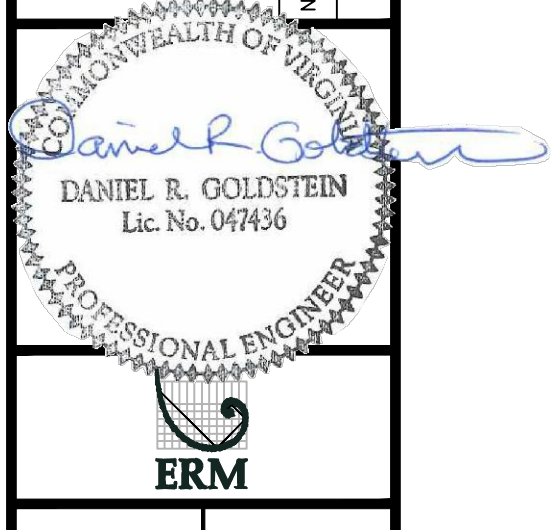
—	PROPERTY LINE	—	STORM SEWER	—	EXTRA WORK SPACE
X X	FENCE	E	UNDERGROUND ELECTRIC	—	TOPSOIL SEGREGATION AREA
—	STREAM	W	WATER LINE	—	AREA OF NO DISTURBANCE
G G	EXISTING GAS PIPELINE	—	SANITARY SEWER	—	PROPOSED TEMPORARY R.O.W.
OH	OVERHEAD UTILITY LINES	—	EDGE OF GRAVEL	—	UTILITY POLE
—	ACCESS ROAD	—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

—	PERMANENT WATERBAR/SLOPE BREAKER	—	LOD	—	LIMIT OF DISTURBANCE
—	TEMPORARY WATERBAR/SLOPE BREAKER	—	BSRF	—	BELTED SILT RETENTION FENCE (BSRF)
—	TRENCH BREAKER/PLUG	—	—	—	COMPOST FILTER SOCK
—	STREAM CROSSING	—	—	—	SEDIMENT BARRIER IDENTIFICATION
—	USFSW STREAM CROSSING WITH ENHANCED CONTROLS	—	—	—	CULVERT IDENTIFICATION
—	SLEEP	—	—	—	ORANGE SAFETY FENCE
—	SLOPE DIRECTION	—	—	—	ROADSIDE DITCH
—	CONSTRUCTION ENTRANCE WITH DITCH	—	—	—	SOIL TYPE
—	CULVERT AS NEEDED	—	—	—	A1 (E) 30-58%
—	CULVERT/WATERBAR	—	—	—	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 IS SLOPE STATIONING.
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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 WITH INDICATORS ON THE BEST IN CLASS STEEP SLOPES BAND.
 - ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
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REVISIONS

NO.	DATE	BY	APP'D.	DESCRIPTION



CONSTRUCTION ALIGNMENT STA. 11945+00 TO 11999+00
 PRINCE EDWARD 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.
 CANONSBURG, PA 15317
 724-873-3545

PROJECT NO./DASH NO.
C140468

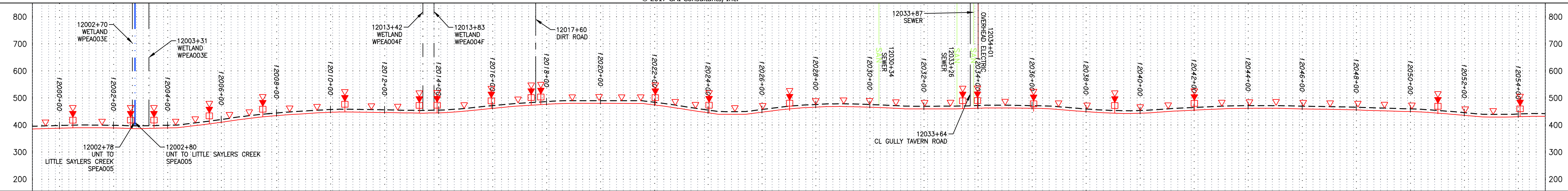
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GROUP ID DRAWING NO.
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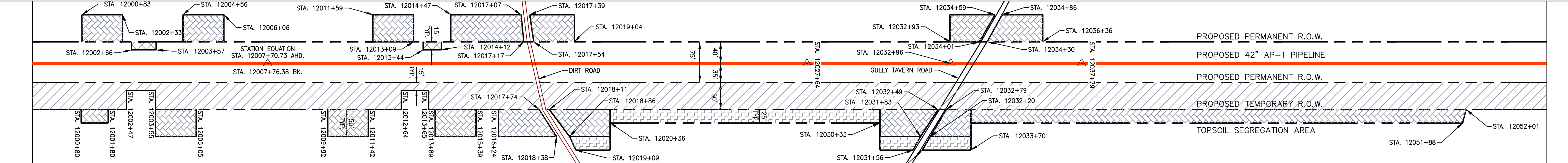
267 OF 344

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

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



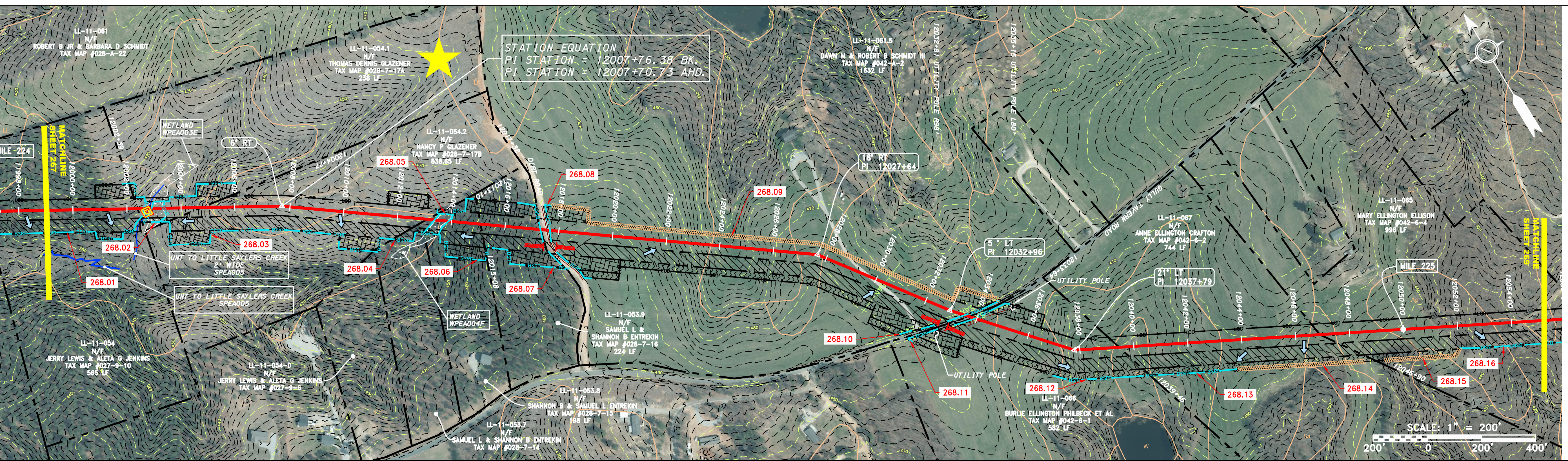
STATIONING & CONSTRUCTION LIMITS



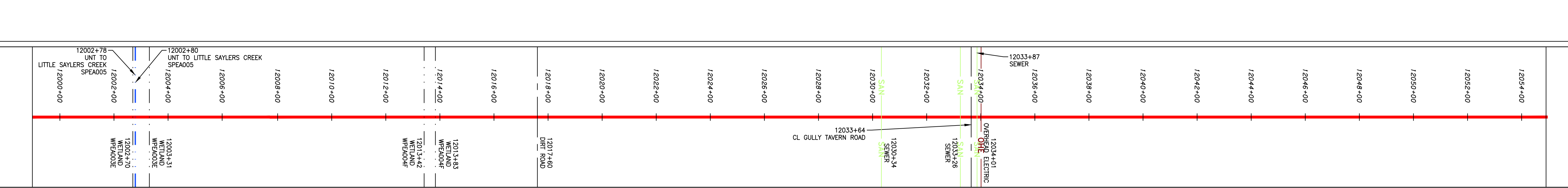
PROPERTY OWNERSHIP

11986+74	LL-11-054 JERRY LEWIS & ALETA G JENKINS TAX MAP #027-9-10 565 LF	12004+39	LL-11-054.1 THOMAS DENNIS GLAZENER TAX MAP #028-7-17A 238 LF	12013+10	LL-11-054.2 NANCY P GLAZENER TAX MAP #028-7-17B 836.65 LF	12015+08	LL-11-053.9 SAMUEL L & SHANNON B ENTREKIN TAX MAP #028-7-16 224 LF	12017+32	LL-11-053.8 SHANNON B & SAMUEL L ENTREKIN TAX MAP #028-7-15 198 LF	12031+54	LL-11-061.5 DAWN M & ROBERT B SCHMIDT III TAX MAP #042-A-2 1632 LF	12033+46	LL-11-066 BURLIE ELLINGTON PHILBECK ET AL TAX MAP #042-6-1 582 LF	12041+80	LL-11-067 ANNE ELLINGTON CRAFTON TAX MAP #042-6-2 744 LF	12051+88	LL-11-065 MARY ELLINGTON ELLISON TAX MAP #042-6-4 996 LF
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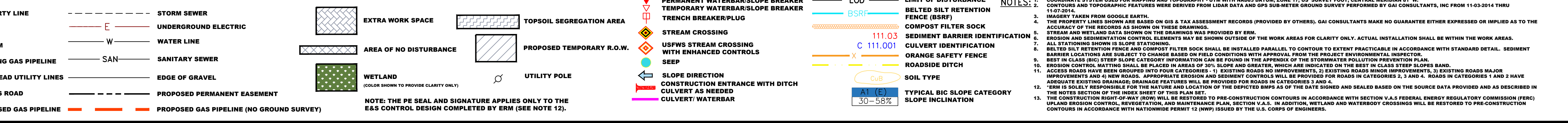
LEGEND



STRING VIEW BAND



LEGEND

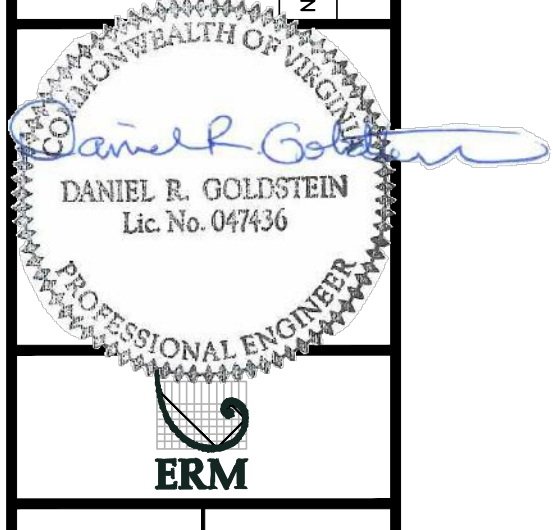


NOTES:

- 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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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

REVISIONS



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



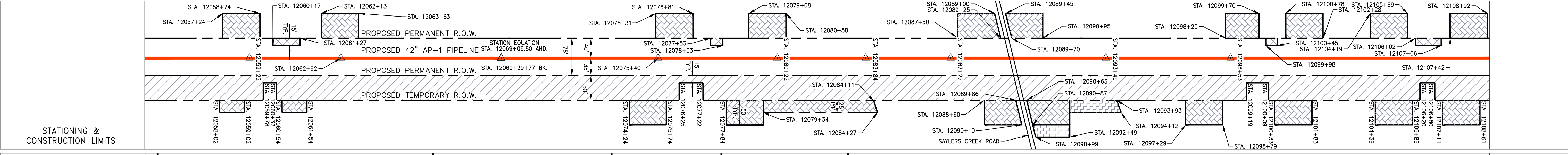
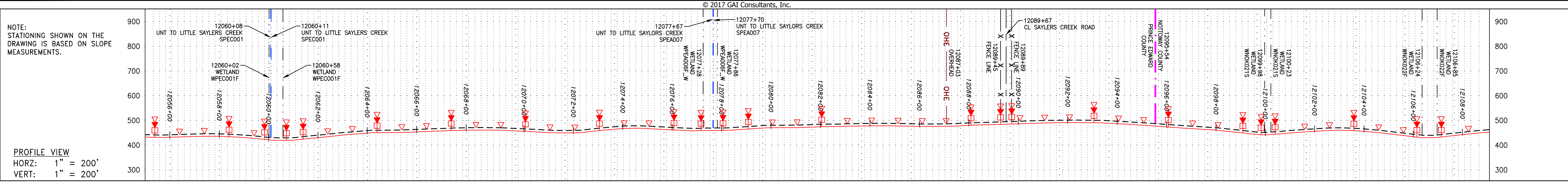
SOUTHPOINTE OFFICE
8000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-873-3545

PROJECT NO./DASH NO.
C140468

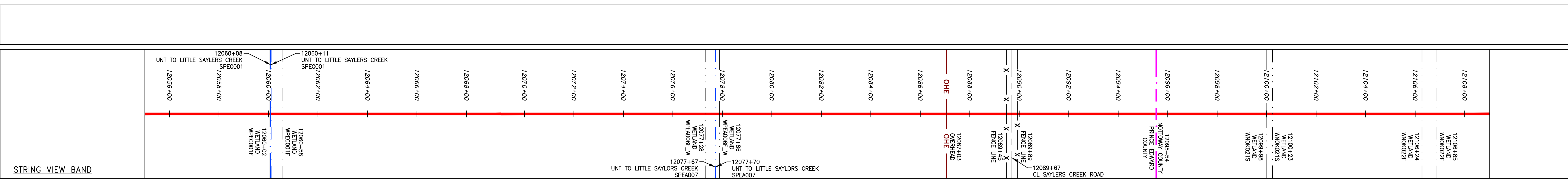
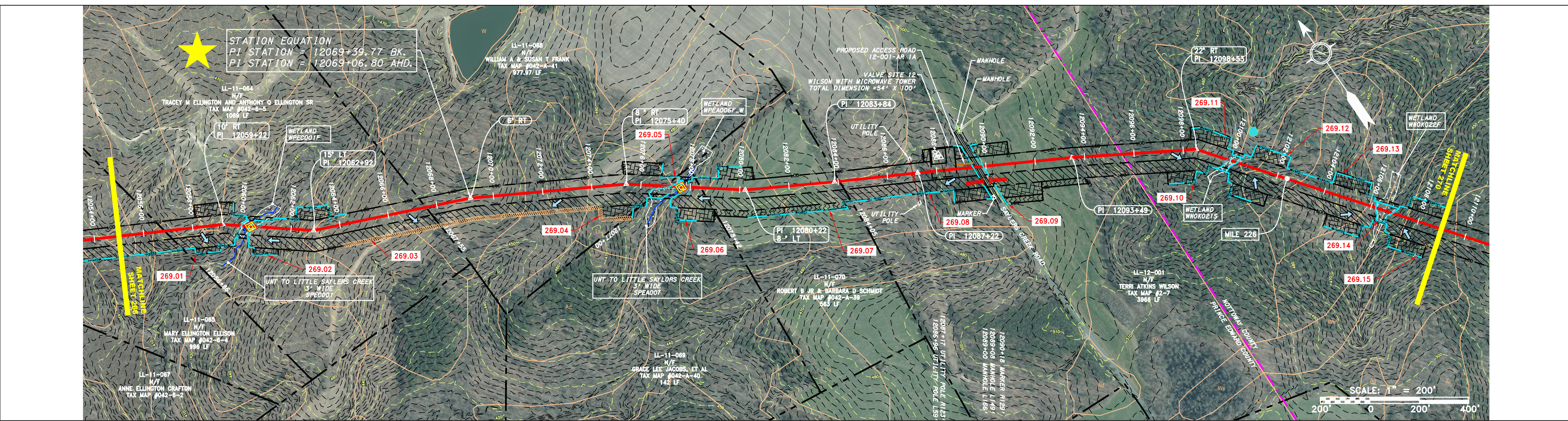
TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E268

268 OF 344



PROPERTY OWNERSHIP	STATIONING
LL-11-065 MARY ELLINGTON ELLISON TAX MAP #042-6-4 996 LF	12058+00
LL-11-064 TRACEY M ELLINGTON AND ANTHONY Q ELLINGTON SR TAX MAP #042-6-5 1069 LF	12060+00
LL-11-068 WILLIAM A & SUSAN T FRANK TAX MAP #042-A-41 977.97 LF	12070+00
LL-11-069 GRACE LEE JACOBS, ET AL TAX MAP #042-A-40 142 LF	12077+00
LL-11-070 ROBERT B JR & BARBARA D SCHMIDT TAX MAP #042-A-39 563 LF	12088+00
LL-12-001 TERRI ATKINS WILSON TAX MAP #2-7 3966 LF	12108+00



LEGEND

— — — — — PROPERTY LINE	— — — — — STORM SEWER	— — — — — EXTRA WORK SPACE	— — — — — TOPSOIL SEGREGATION AREA	— — — — — 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	E UNDERGROUND ELECTRIC	AREA OF NO DISTURBANCE	PROPOSED TEMPORARY R.O.W.	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.
— — — — — STREAM	W WATER LINE	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	UTILITY POLE	COMPOST FILTER SOCK	3. ALL STATIONING SHOWN ON THE DRAWINGS IS 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.
G G EXISTING GAS PIPELINE	SAN SANITARY SEWER			SEDIMENT BARRIER IDENTIFICATION	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.
OH OVERHEAD UTILITY LINES	EDGE OF GRAVEL			CULVERT IDENTIFICATION	5. 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.
— — — — — ACCESS ROAD	PROPOSED PERMANENT EASEMENT			ORANGE SAFETY FENCE	6. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
— — — — — PROPOSED GAS PIPELINE	PROPOSED GAS PIPELINE (NO GROUND SURVEY)			ROADSIDE DITCH	7. EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.
				SOIL TYPE	8. 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.
				TI (E) TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION	9. 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 INHERITANCE 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.

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
 PROFESSIONAL ENGINEER
 ERM

ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 CONSTRUCTION ALIGNMENT STA. 12055+00 TO 12109+00
 PRINCE EDWARD & NOTTOWAY COUNTIES, VIRGINIA

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

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

PROJECT NO./DASH NO.
C140468

TASK NO. SUB TASK NO.
005 00

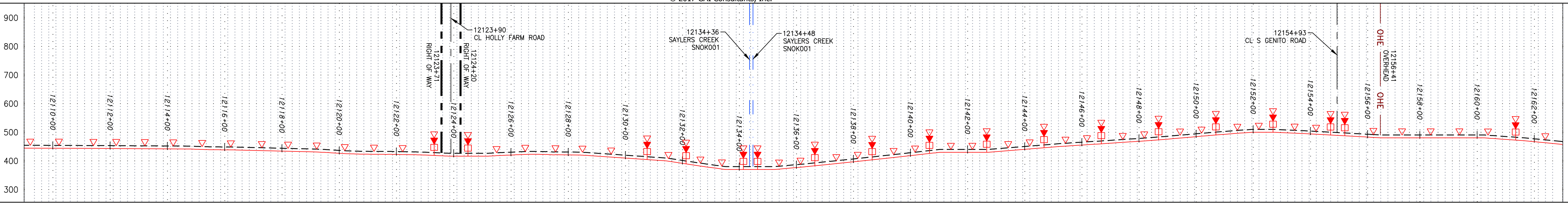
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269 OF 344

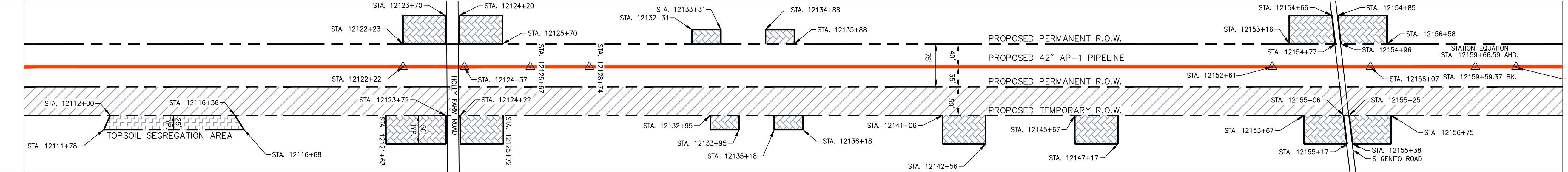
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NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

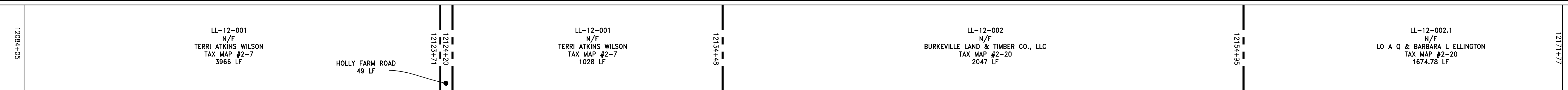
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 HORZ: 1" = 200'
 VERT: 1" = 200'



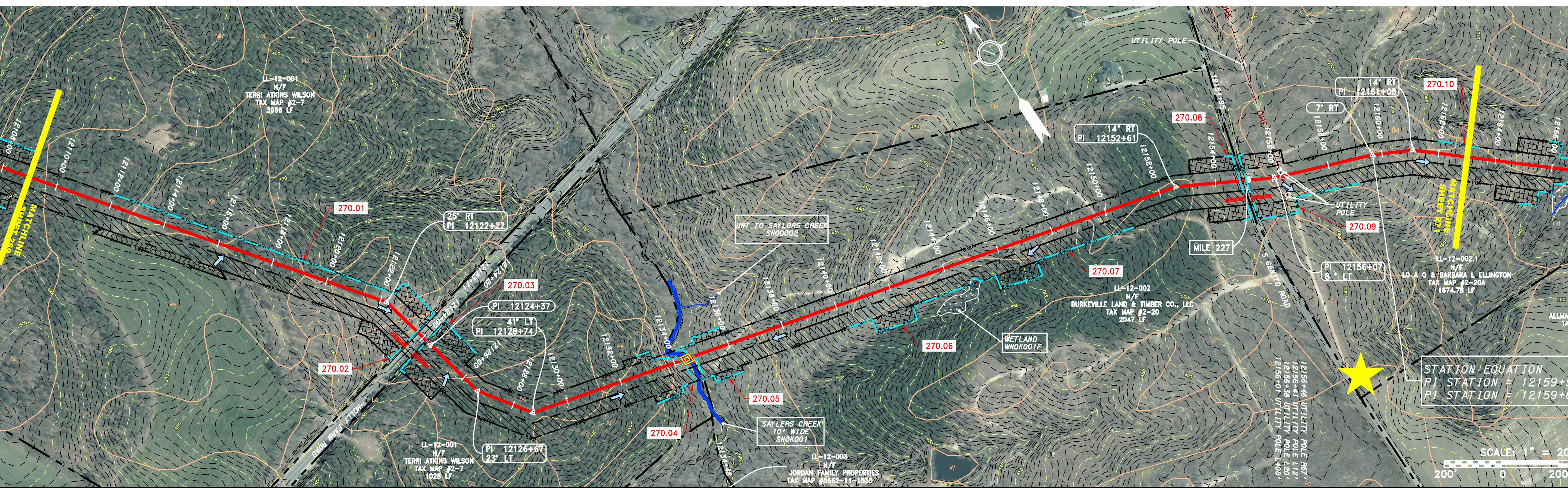
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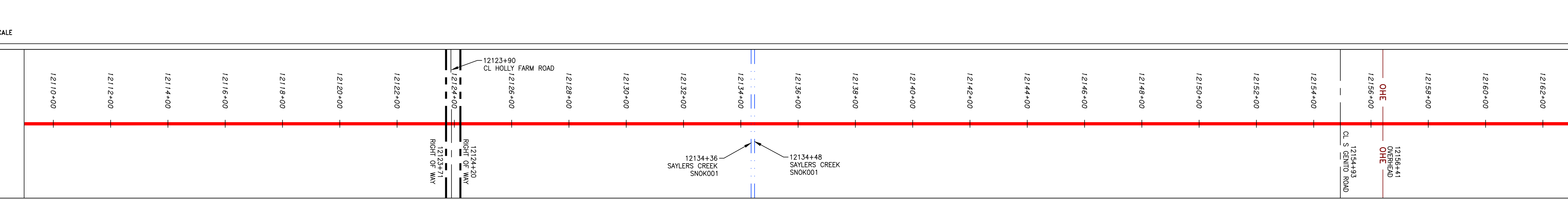
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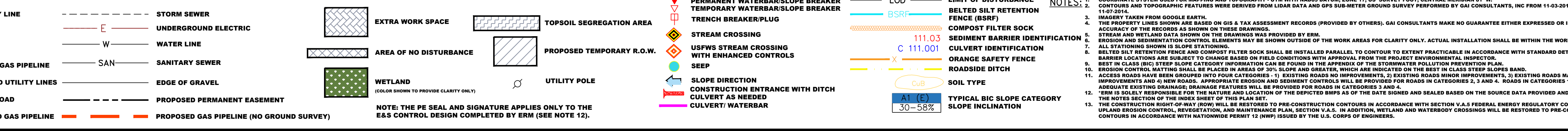
PIPE SPECIFICATION NOT TO SCALE



STRING VIEW BAND

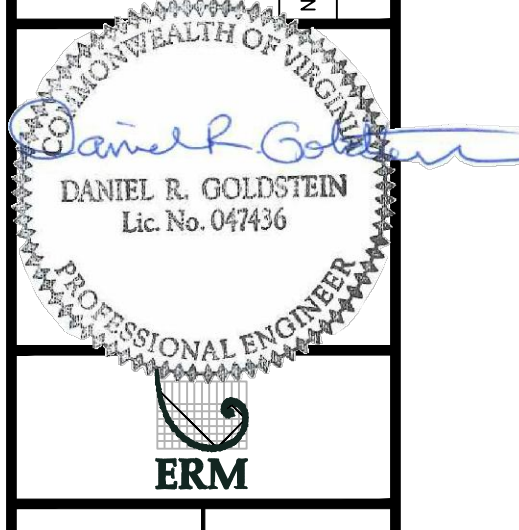


LEGEND



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 11-27-2014.
 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 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. BARRIERS 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.
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 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	DESCRIPTION



42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA. 12109+00 TO 12163+00
 NOTTOWAY 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

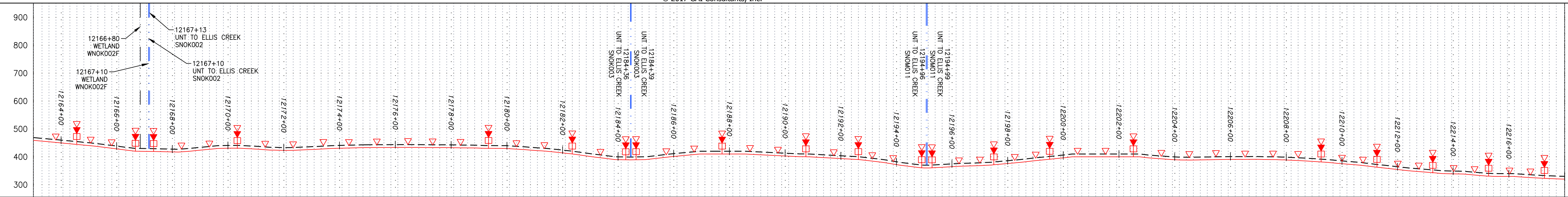


SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

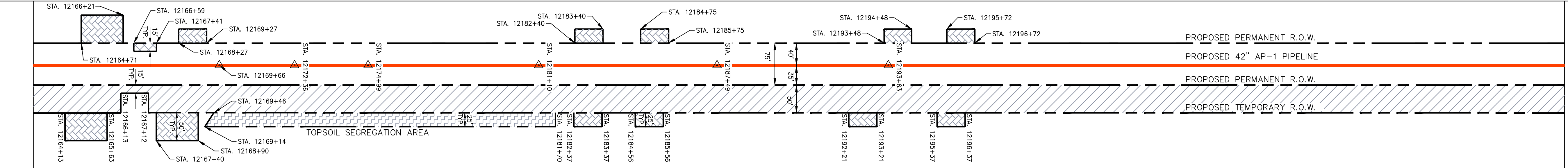
PROJECT NO./DASH NO.	C140468
TASK NO.	005
SUB TASK NO.	00
GROUP ID	D
DRAWING NO.	E270
270 OF 344	

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

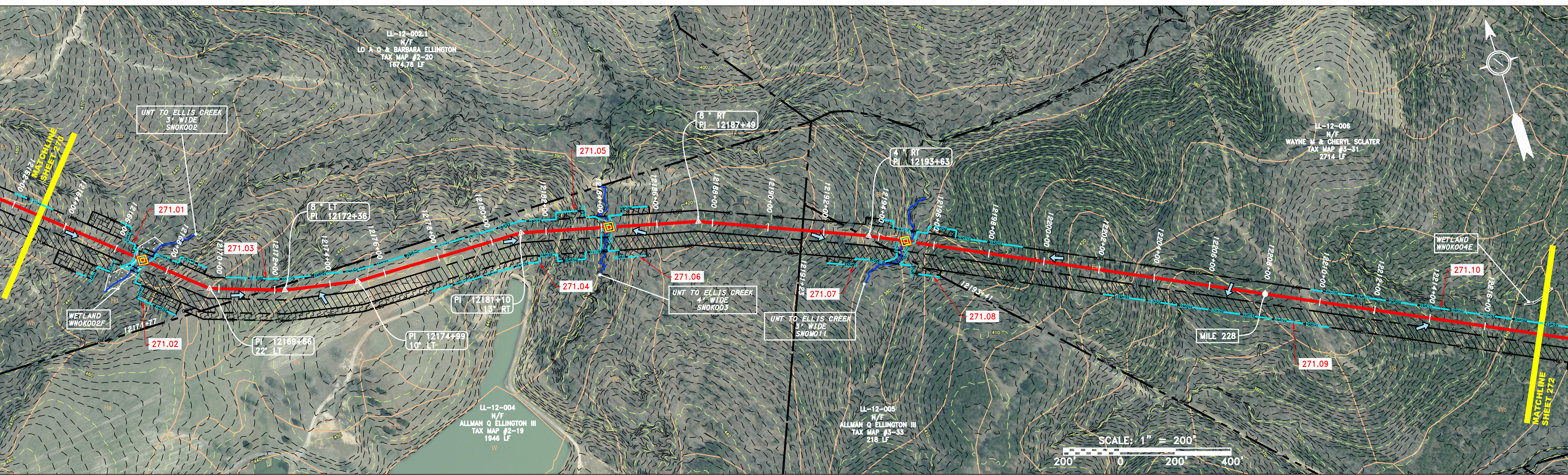
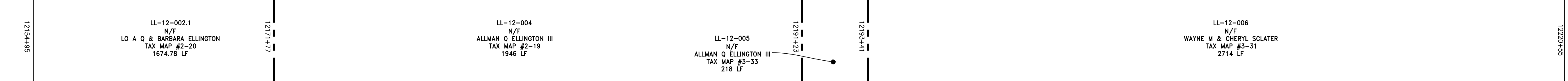
PROFILE VIEW
HORIZ: 1" = 200'
VERT: 1" = 200'



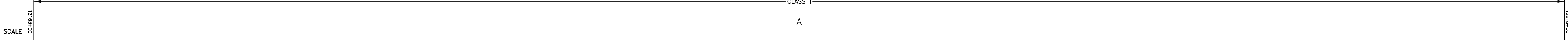
STATIONING & CONSTRUCTION LIMITS



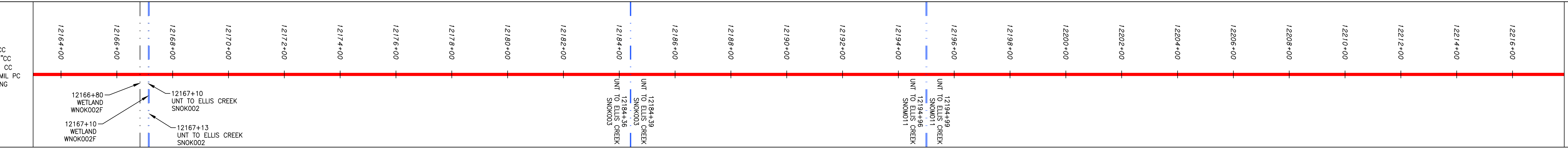
PROPERTY OWNERSHIP



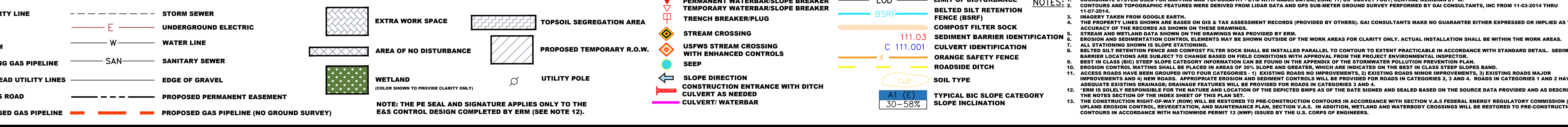
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STRING VIEW BAND

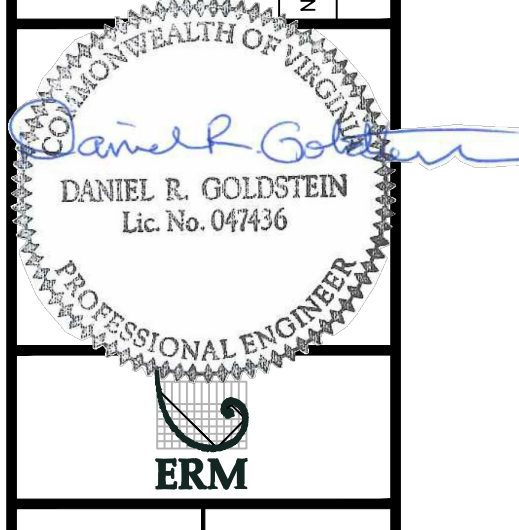


LEGEND



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 ON THE DRAWINGS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
5. ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
6. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
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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	CHKD.	APP'D.	DESCRIPTION

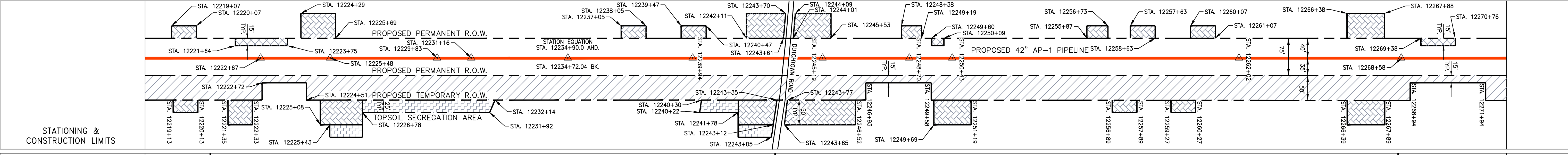
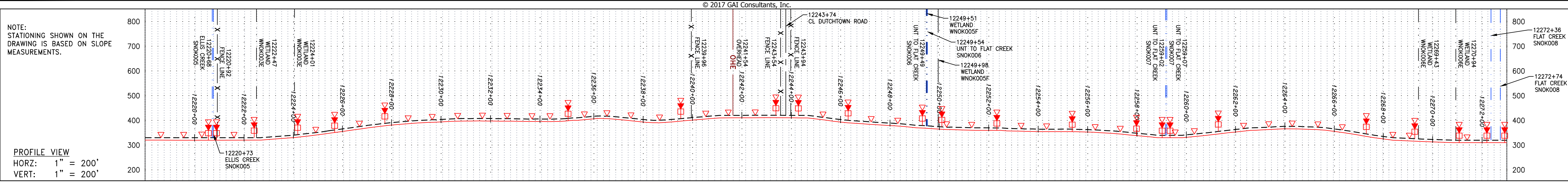


ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
NOTTOWAY COUNTY, VIRGINIA

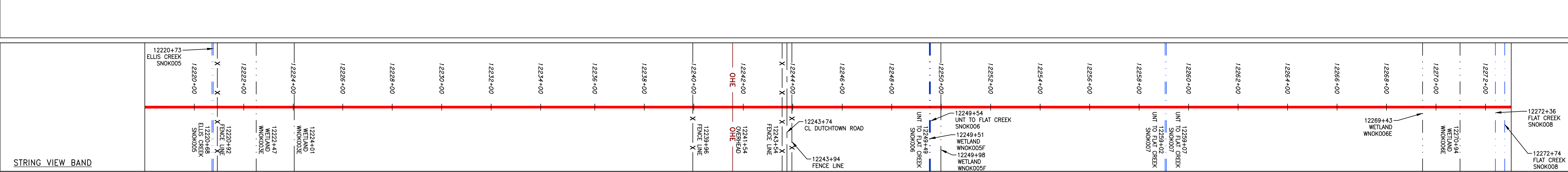
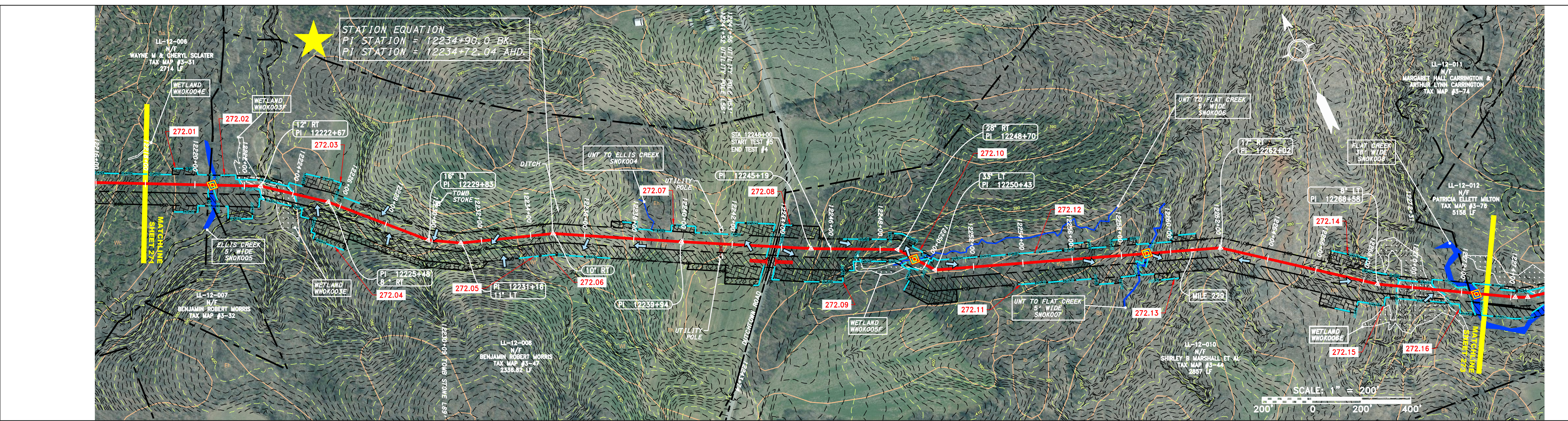
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DATE: 11/23/2016
DRAWN: JFS
CHECKED: DLH
APPROVED: NET



PROJECT NO./DASH NO.	C140468
TASK NO./SUB TASK NO.	005 / 00
GROUP ID / DRAWING NO.	D / E271
271 OF 344	



PROPERTY OWNERSHIP	ADDRESS	AREA
WAYNE M & CHERYL SLATER	TAX MAP #3-31	2714 LF
BENJAMIN ROBERT MORRIS	TAX MAP #3-47	2336.82 LF
SHIRLEY B MARSHALL ET AL	TAX MAP #3-44	2857 LF
PATRICIA ELLETT MILTON	TAX MAP #3-76	5158 LF



LEGEND

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

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 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 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 2, 3 AND 4.
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NO.	DATE	BY	DESCRIPTION

REVISIONS

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

CONSTRUCTION ALIGNMENT STA. 12218+00 TO 12273+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

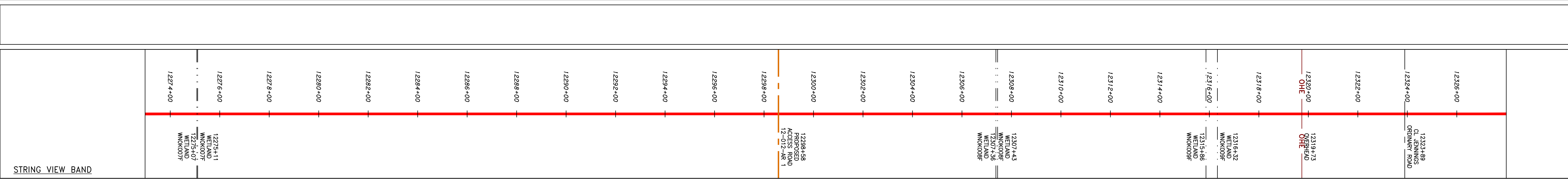
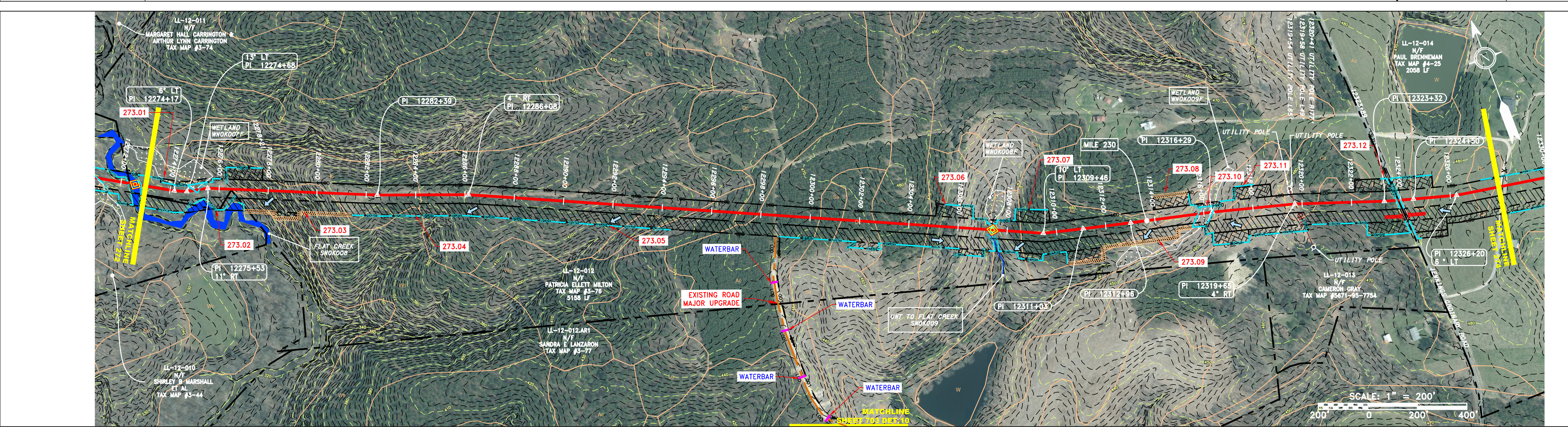
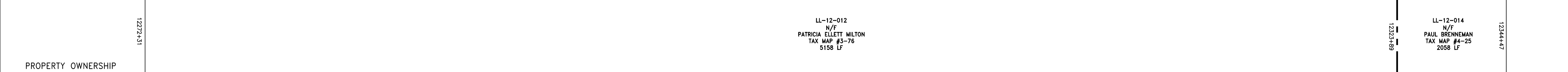
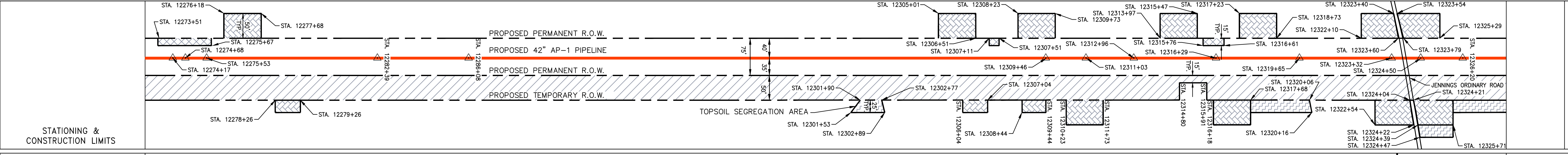
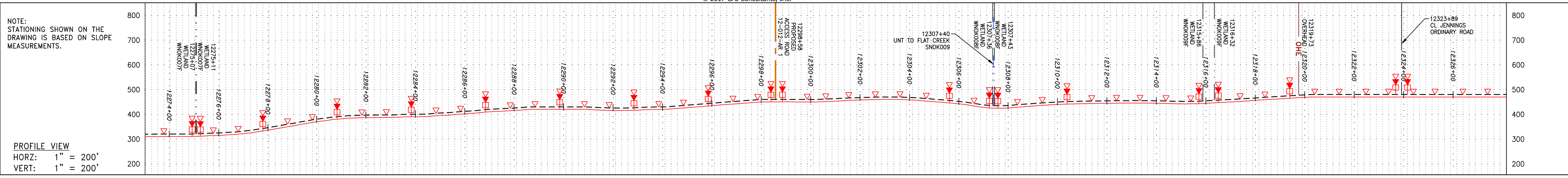
TASK NO./SUB TASK NO.
 005 / 00

GROUP ID / DRAWING NO.
 D / E272

272 OF 344

4/11/2017 8:14 AM

GAI CAD FILE NO. I:\DOMINION\AP-1\ESC\CADD-GIS\DATA\KST_CHK1_SPREAD_6_ESC_SHT_272.DWG



LEGEND

— X — X —	PROPERTY LINE	— E —	STORM SEWER	[Hatched Box]	EXTRA WORK SPACE	— LOD —	LIMIT OF DISTURBANCE	[Dashed Box]	TOPSOIL SEGREGATION AREA
— X — X —	FENCE	— W —	UNDERGROUND ELECTRIC	[Dotted Box]	AREA OF NO DISTURBANCE	— BSRF —	BELTED SILT RETENTION FENCE (BSRF)	[Hatched Box]	PROPOSED TEMPORARY R.O.W.
— G — G —	STREAM	— SAN —	WATER LINE	[Green Box]	PROPOSED PERMANENT R.O.W.	[Dashed Box]	COMPOST FILTER SOCK	[Hatched Box]	UTILITY POLE
— G — G —	EXISTING GAS PIPELINE	— OH —	SANITARY SEWER	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Dashed Box]	SEDIMENT BARRIER IDENTIFICATION	[Hatched Box]	
— OH —	OVERHEAD UTILITY LINES	— OH —	EDGE OF GRAVEL	[Green Box]	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).	[Dashed Box]	CULVERT IDENTIFICATION	[Hatched Box]	
— OH —	ACCESS ROAD	— OH —	PROPOSED PERMANENT EASEMENT	[Green Box]		[Dashed Box]	ORANGE SAFETY FENCE	[Hatched Box]	
— OH —	PROPOSED GAS PIPELINE	— OH —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Green Box]		[Dashed Box]	ROADSIDE DITCH	[Hatched Box]	

NOTES:

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- 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 CONTROL MEASURES 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 WORK 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	APPD.	DESCRIPTION

Professional Engineer Seal:
 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. 12273+00 TO 12328+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

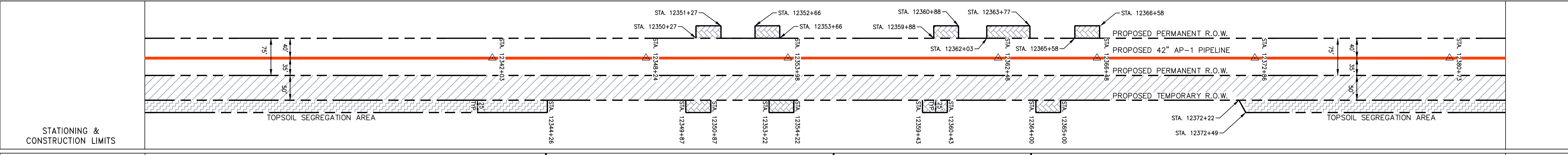
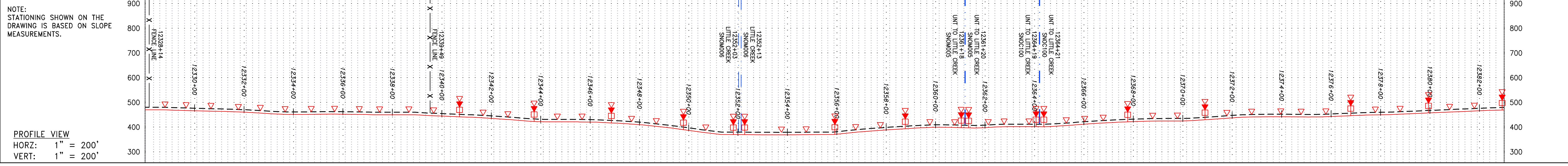
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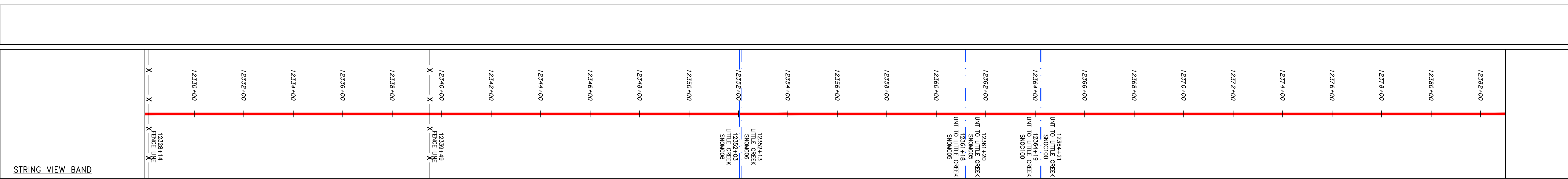
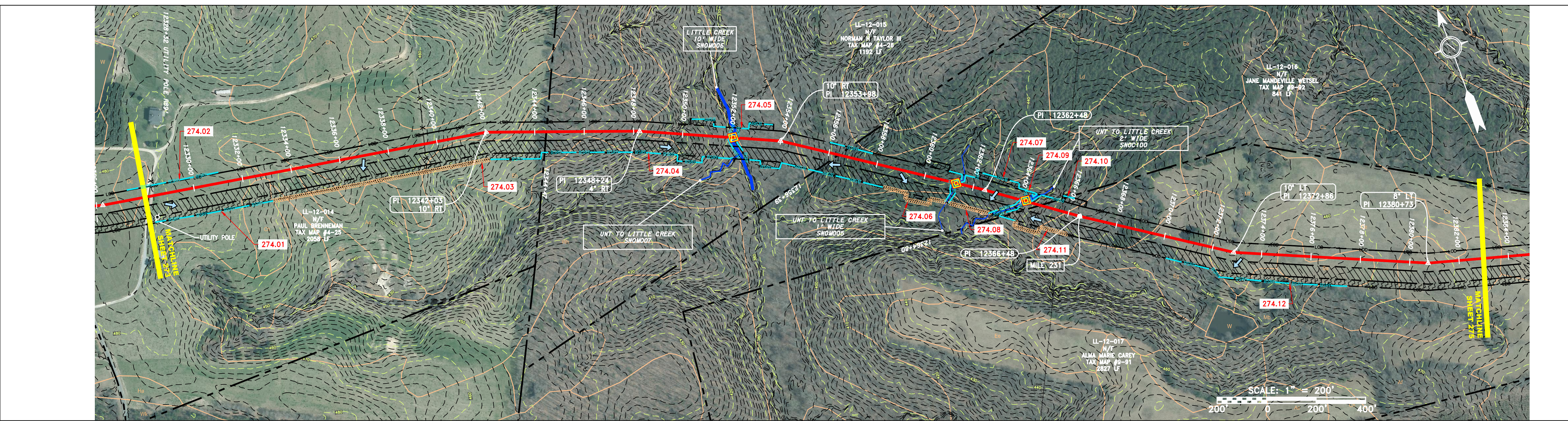
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PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
12328+89	
LL-12-014 N/T PAUL BRENNEMAN TAX MAP #4-25 2056 LF	
12344+47	
LL-12-015 N/T NORMAN H TAYLOR III TAX MAP #4-26 1192 LF	
12353+39	
LL-12-016 N/T JANE MANDEVILLE WETSEL TAX MAP #9-92 841 LF	
12363+59	
LL-12-017 N/T ALMA MARIE CAREY TAX MAP #9-91 2827 LF	
12383+07	



LEGEND

— X — X —	PROPERTY LINE	— E —	STORM SEWER	▨	EXTRA WORK SPACE	▨	TOPSOIL SEGREGATION AREA	▲	PERMANENT WATERBAR/SLOPE BREAKER	— LOD —	LIMIT OF DISTURBANCE
— X — X —	FENCE	— W —	UNDERGROUND ELECTRIC	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	▨	TEMPORARY WATERBAR/SLOPE BREAKER	— BSRF —	BELTED SILT RETENTION FENCE (BSRF)
— G — G —	STREAM	— S —	WATER LINE	▨	WETLAND	▨	UTILITY POLE	▨	TRENCH BREAKER/PLUG	— C 111.003 —	COMPOST FILTER SOCK
— G — G —	EXISTING GAS PIPELINE	— S —	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 111.001 —	SEDIMENT BARRIER IDENTIFICATION
— OH —	OVERHEAD UTILITY LINES	— E —	EDGE OF GRAVEL					▨	USPWS STREAM CROSSING WITH ENHANCED CONTROLS	— X —	ORANGE SAFETY FENCE
— A —	ACCESS ROAD	— E —	PROPOSED PERMANENT EASEMENT					▨	SLEEP	— C 111.002 —	ROADSIDE DITCH
— A —	PROPOSED GAS PIPELINE	— E —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)					▨	CONSTRUCTION ENTRANCE WITH DITCH	— C 111.004 —	SOIL TYPE
								▨	CULVERT AS NEEDED	— A1 (E) —	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION
								▨	CULVERT/WATERBAR	— 30-58% —	

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.
- 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.
- 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.
- 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 INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
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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
 NOTOWAY COUNTY, VIRGINIA

42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA. 12328+00 TO 12383+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
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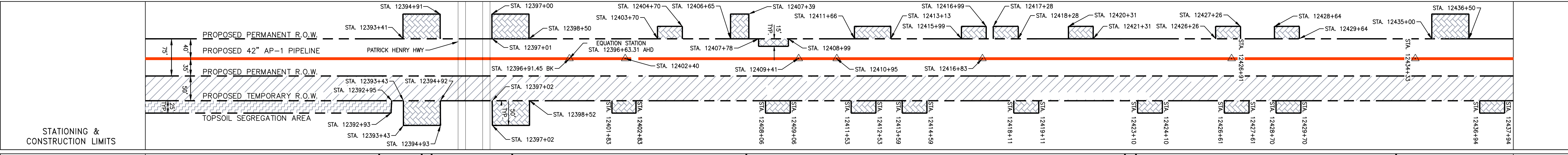
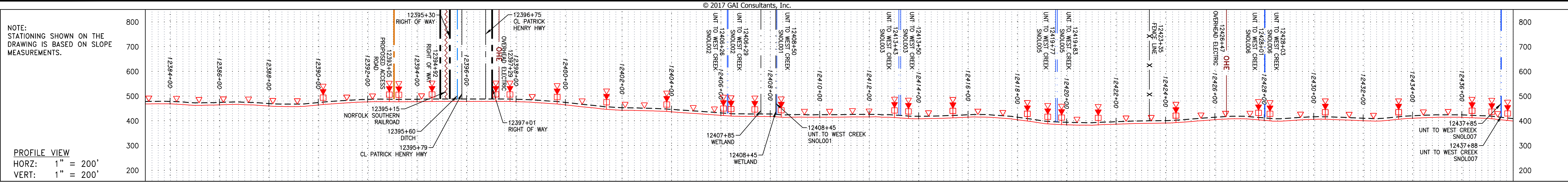
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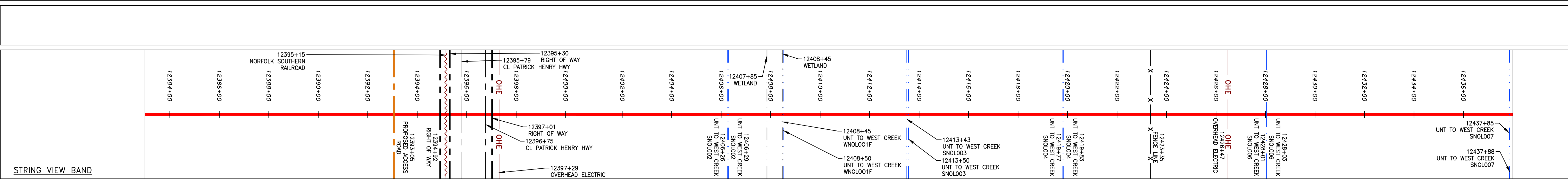
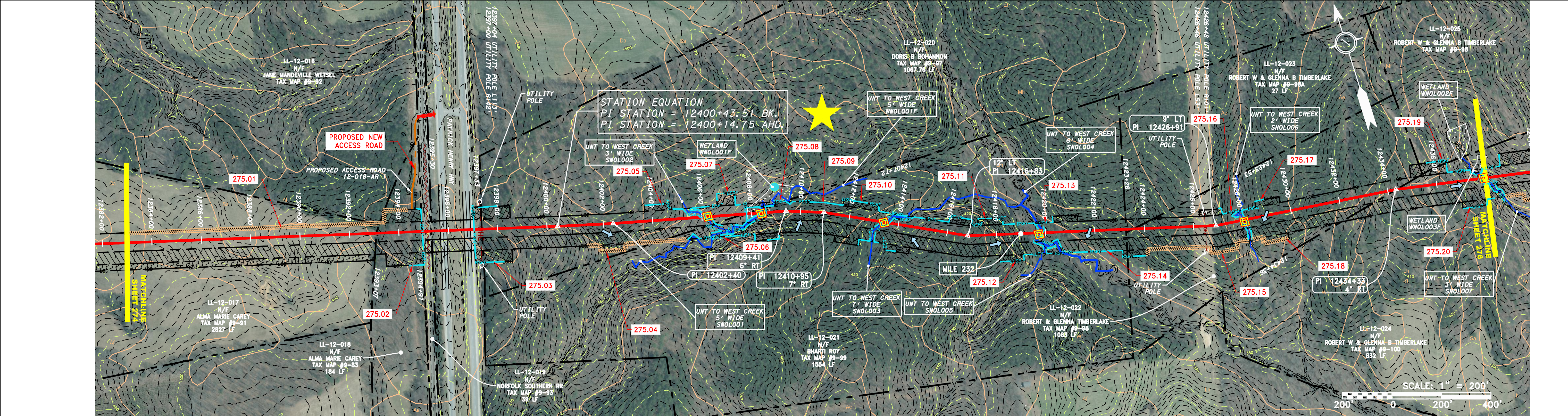
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274 OF 344

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PROPERTY OWNERSHIP	12384+80	12394+07	12394+91	12397+33	12407+72	12423+53	12426+26	12434+35	12427+94
LL-12-017 N/F ALMA MARIE CAREY TAX MAP #9-91 2827 LF	LL-12-018 N/F ALMA MARIE CAREY TAX MAP #9-83 184 LF	PATRICK HENRY HWY 171 LF	LL-12-019 N/F NORFOLK SOUTHERN RR TAX MAP #9-93 39 LF	LL-12-020 N/F DORIS B BOHANNON TAX MAP #9-97 1067.76 LF	LL-12-021 N/F BHARTI ROY TAX MAP #9-99 1554 LF	LL-12-023 N/F ROBERT W & GLENNA B TIMBERLAKE TAX MAP #9-88A 27 LF	LL-12-022 N/F ROBERT & GLENNA TIMBERLAKE TAX MAP #9-98 1083 LF	LL-12-024 N/F ROBERT & GLENNA TIMBERLAKE TAX MAP #9-100 832 LF	12427+68



LEGEND

— — — — —	PROPERTY LINE	— — — — —	STORM SEWER	[Hatched Box]	EXTRA WORK SPACE	[Hatched Box]	TOPSOIL SEGREGATION AREA	[Symbol]	PERMANENT WATERBAR/SLOPE BREAKER	[Symbol]	LOD	[Symbol]	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. 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. 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. 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) STEP 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 STEP SLOPE BAND. 10. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS MINOR IMPROVEMENTS, 2) EXISTING ROADS MAJOR IMPROVEMENTS AND 3) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4. 11. ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET. 12. THE CONSTRUCTION RIGHT-OF-WAY (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.
-X-X-	FENCE	E	UNDERGROUND ELECTRIC	[Hatched Box]	TOPSOIL SEGREGATION AREA	[Hatched Box]	PROPOSED TEMPORARY R.O.W.	[Symbol]	STREAM CROSSING	[Symbol]	BSRF	[Symbol]	COMPOST FILTER SOCK	
— — — — —	STREAM	W	WATER LINE	[Hatched Box]	AREA OF NO DISTURBANCE	[Hatched Box]	UTILITY POLE	[Symbol]	USPFS STREAM CROSSING WITH ENHANCED CONTROLS	[Symbol]	C 111.003	[Symbol]	SEDIMENT BARRIER IDENTIFICATION	
-G-G-	EXISTING GAS PIPELINE	— — — — —	SANITARY SEWER	[Hatched Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Hatched Box]		[Symbol]	SEEPS	[Symbol]	CuB	[Symbol]	CULVERT IDENTIFICATION	
OH	OVERHEAD UTILITY LINES	— — — — —	EDGE OF GRAVEL	[Hatched Box]				[Symbol]	CONSTRUCTION ENTRANCE WITH DITCH CONSTRUCTION AS NEEDED	[Symbol]	A1 (E) 30-58%	[Symbol]	ORANGE SAFETY FENCE	
— — — — —	ACCESS ROAD	— — — — —	PROPOSED PERMANENT EASEMENT	[Hatched Box]				[Symbol]	CULVERT/WATERBAR	[Symbol]		[Symbol]	ROADSIDE DITCH	
— — — — —	PROPOSED GAS PIPELINE	— — — — —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Hatched Box]				[Symbol]		[Symbol]		[Symbol]	SOIL TYPE	

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
 NOTTOWAY COUNTY, VIRGINIA

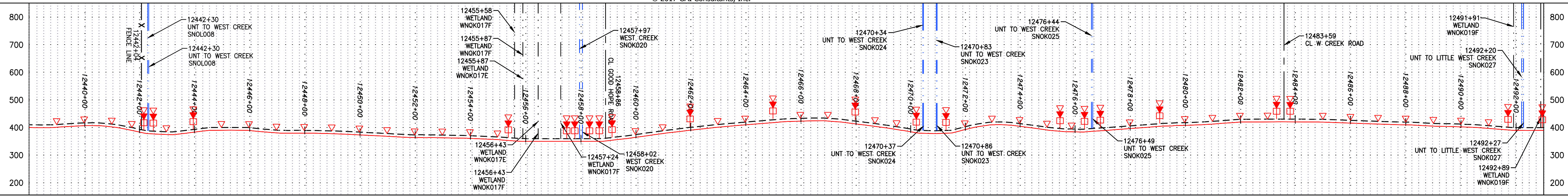
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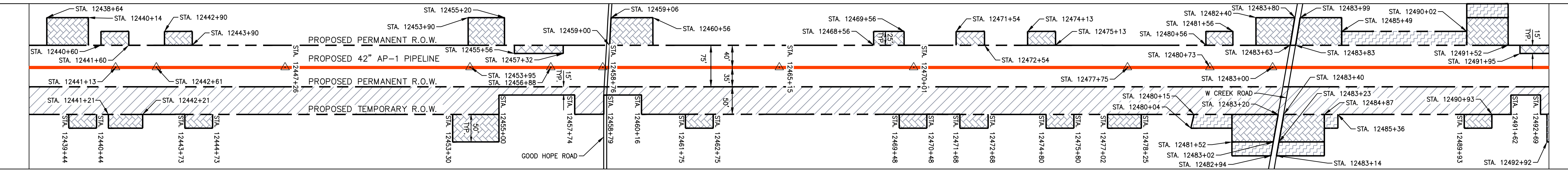
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NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

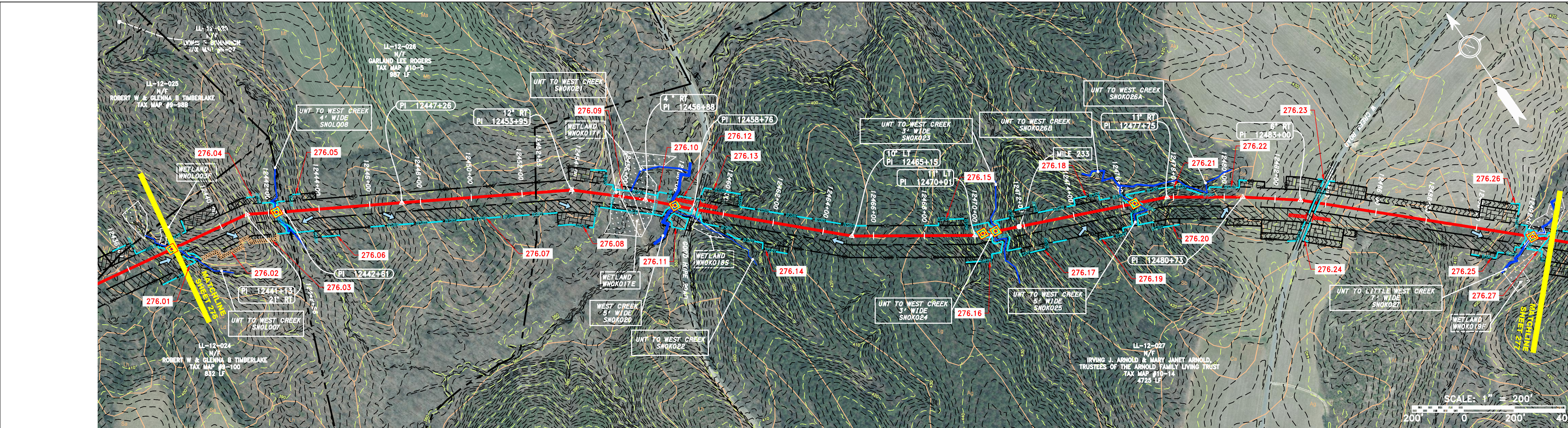
PROFILE VIEW
 HORZ: 1" = 200'
 VERT: 1" = 200'



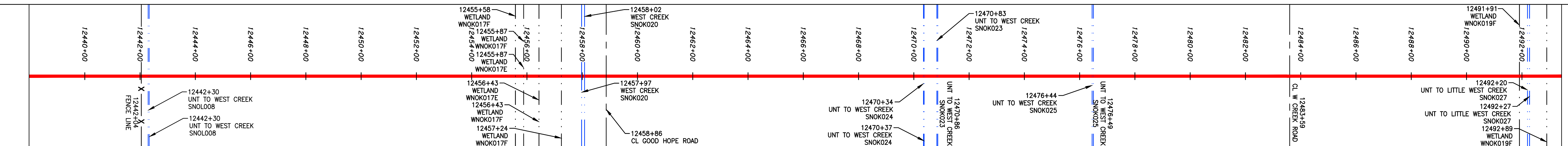
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



STRING VIEW BAND



LEGEND

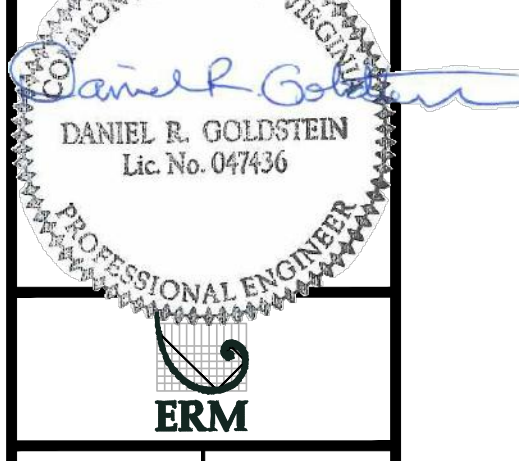
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X X	FENCE	E	UNDERGROUND ELECTRIC	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.
—	STREAM	W	WATER LINE	▨	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	⊙	UTILITY POLE
G G	EXISTING GAS PIPELINE	—	SANITARY SEWER	▨	PERMANENT WATERBAR/SLOPE BREAKER	▨	TEMPORARY WATERBAR/SLOPE BREAKER
OH	OVERHEAD UTILITY LINES	—	EDGE OF GRAVEL	▨	STREAM CROSSING	▨	TRENCH BREAKER/PLUG
—	ACCESS ROAD	—	PROPOSED PERMANENT EASEMENT	▨	USFSW STREAM CROSSING WITH ENHANCED CONTROLS	▨	SEEP
—	PROPOSED GAS PIPELINE	—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▨	SLOPE DIRECTION	▨	CONSTRUCTION ENTRANCE WITH DITCH
							CULVERT AS NEEDED
							CULVERT/WATERBAR

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

THIS DRAWING WAS PRODUCED WITH COMPUTER AIDED DRAFTING TECHNOLOGY AND IS SUPPORTED BY ELECTRONIC DRAWING FILES. DO NOT REVISE THIS DRAWING VIA MANUAL DRAFTING METHODS.

REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION



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

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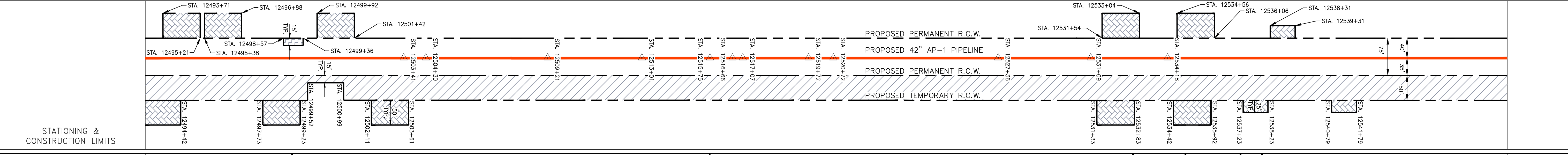
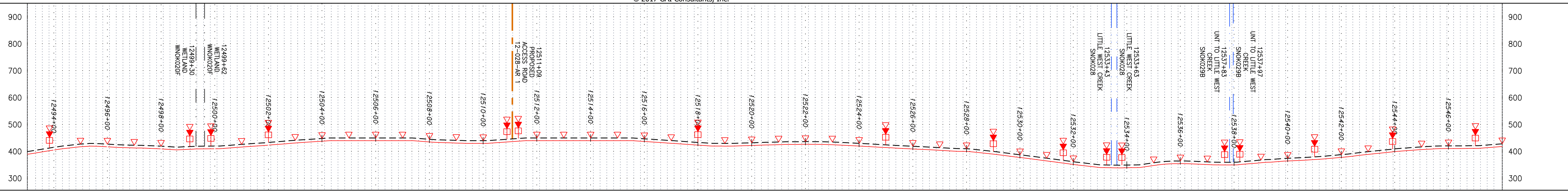
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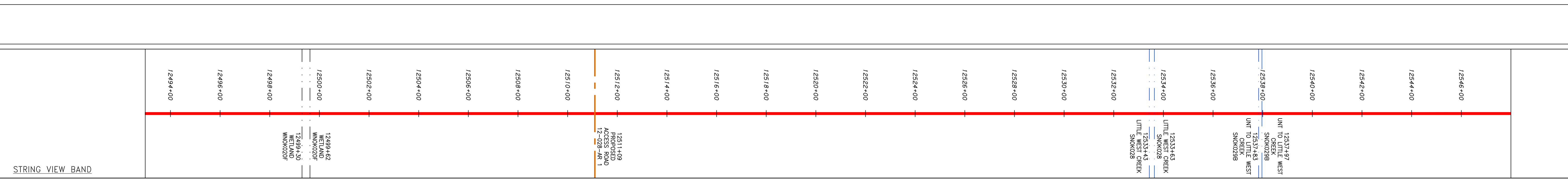
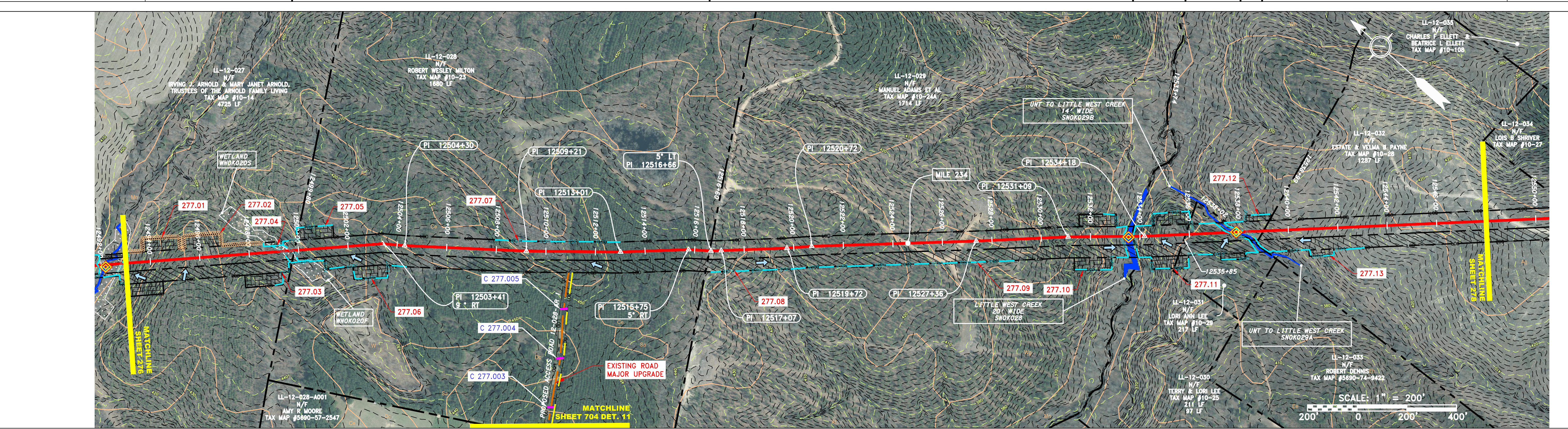
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NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

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



PROPERTY OWNERSHIP table listing land parcels with owner names and acreage. Owners include Irving J. Arnold & Mary Janet Arnold, Robert Wesley Milton, Manuel Adams et al, Terry & Lori Lee, and Estate of Velma B Payne.



LEGEND section containing symbols and descriptions for various features: Property Line, Fence, Stream, Existing Gas Pipeline, Overhead Utility Lines, Access Road, Storm Sewer, Underground Electric, Water Line, Sanitary Sewer, Edge of Gravel, Proposed Permanent Easement, Proposed Gas Pipeline, Extra Work Space, Topsoil Segregation Area, Area of No Disturbance, Proposed Temporary R.O.W., Utility Pole, Permanent Waterbar/Slope Breaker, Trench Breaker/Plug, Stream Crossing, USFWS Stream Crossing, Slope Direction, 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, and 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. 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. IMAGERY TAKEN FROM GOOGLE EARTH. 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 BARBER 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. IMPROVEMENTS TO EXISTING ROADS SHALL BE PLACED IN AREAS OF 30% SLOPE AND GRADIENTS, 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, 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 BATED SIGNS AND SEALED BASES 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 NOW 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 table with columns for NO., DATE, CHG., APPD., and DESCRIPTION. It also includes a professional engineer seal for Daniel R. Goldstein, License No. 047436, and the ERM logo.

ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
CONSTRUCTION ALIGNMENT STA. 12493+00 TO 12548+00
NOTTOWAY COUNTY, VIRGINIA

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

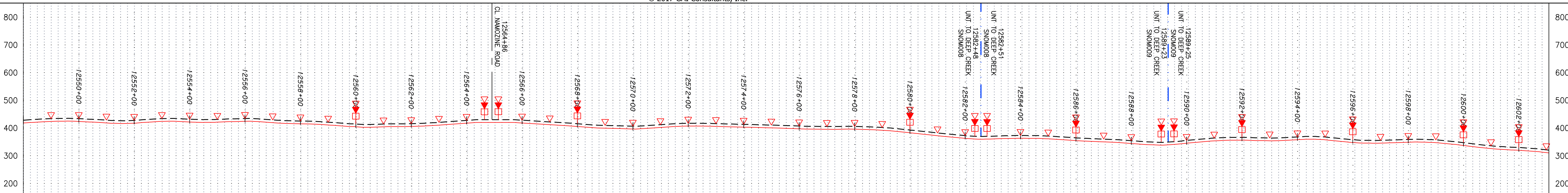


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CANONSBURG, PA 15317
724-873-3545

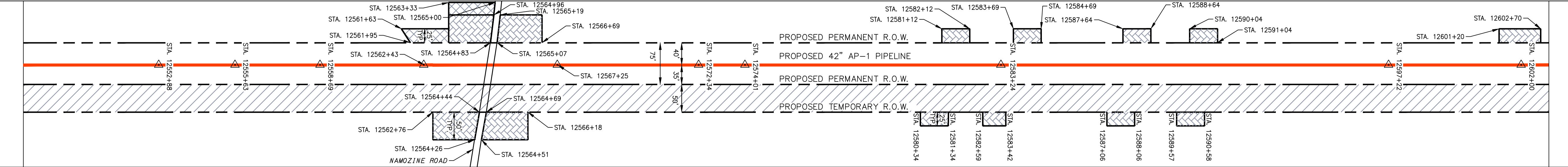
PROJECT NO./DASH NO. C140468
TASK NO. SUB TASK NO. 005 00
GROUP ID DRAWING NO. D E277
277 OF 344

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

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

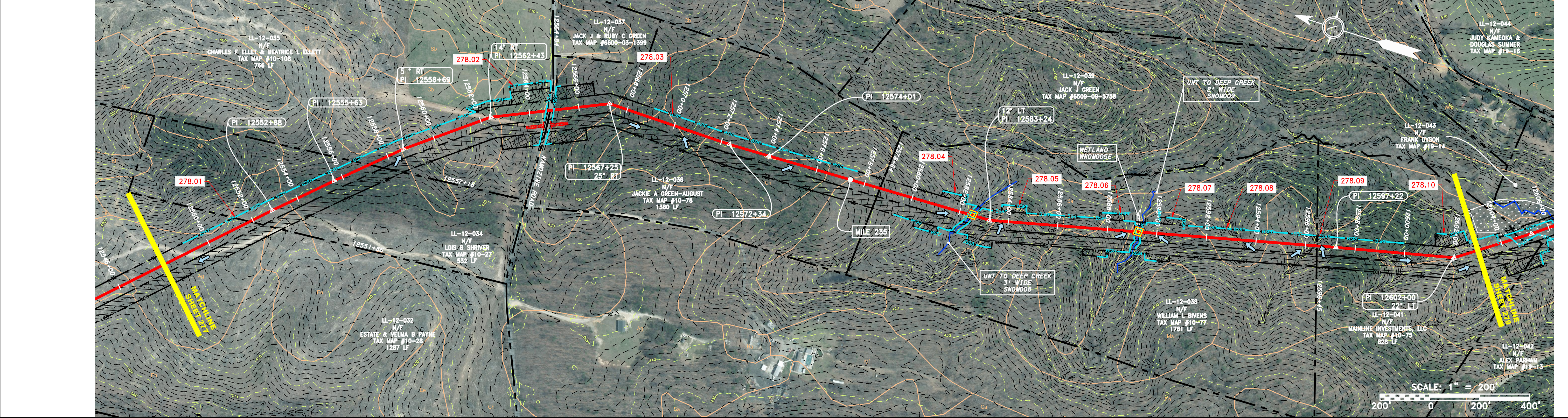


STATIONING & CONSTRUCTION LIMITS

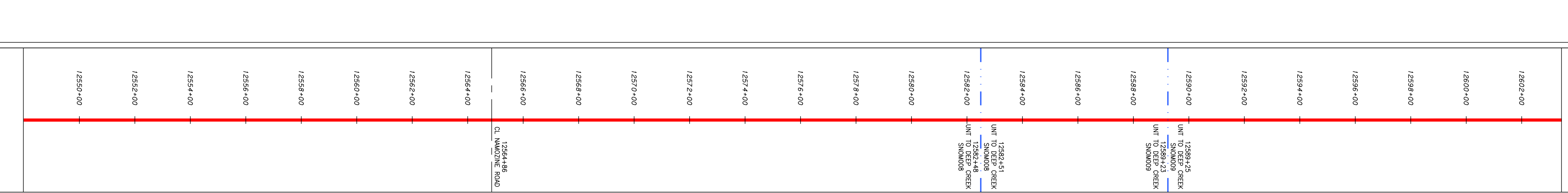


PROPERTY OWNERSHIP

12538+99	LL-12-032 ESTATE & VELMA B PAYNE TAX MAP #10-28 1287 LF	12551+86	LL-12-034 N/F LOIS B SHRIVER TAX MAP #10-27 532 LF	12551+88	LL-12-035 N/F CHARLES F ELLET & BEATRICE L ELLETT TAX MAP #10-108 766 LF	12564+84	LL-12-036 N/F JACKIE A GREEN-AUGUST TAX MAP #10-78 1380 LF	12578+64	LL-12-038 N/F WILLIAM L BIVENS TAX MAP #10-77 1781 LF	12598+45	LL-12-041 N/F MAINLINE INVESTMENTS, LLC TAX MAP #10-75 828 LF	12604+73
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STRING VIEW BAND



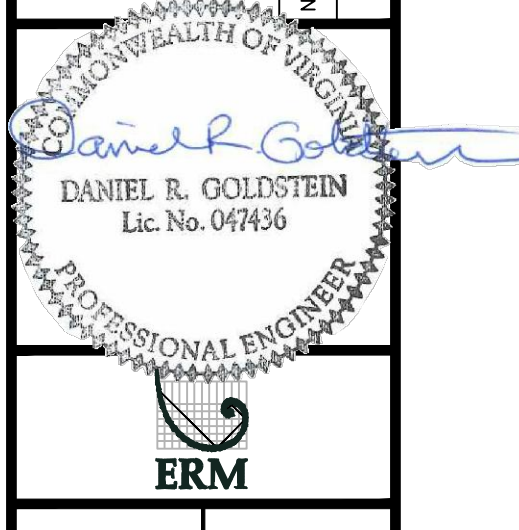
LEGEND

—	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	▨	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:**
- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
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 - STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
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REVISIONS

NO.	DATE	BY	DESCRIPTION



42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA. 12548+00 TO 12603+00
 ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 NOTTOWAY COUNTY, VIRGINIA

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

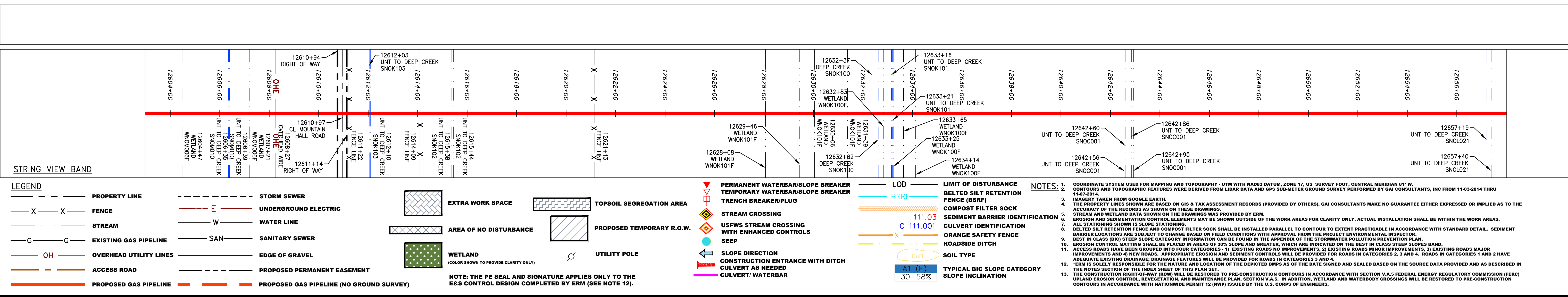
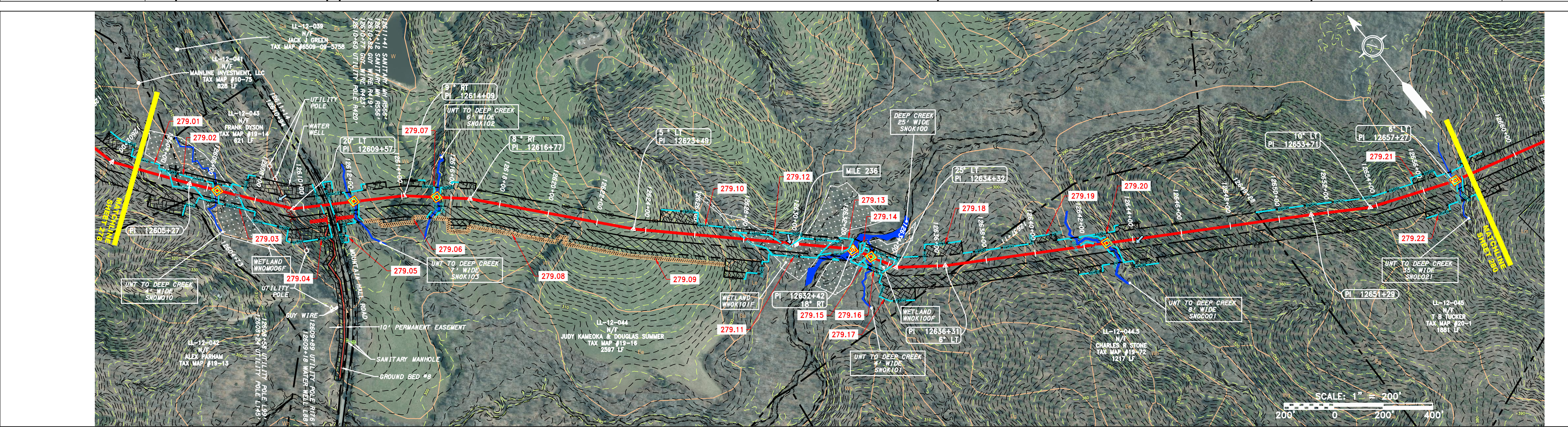
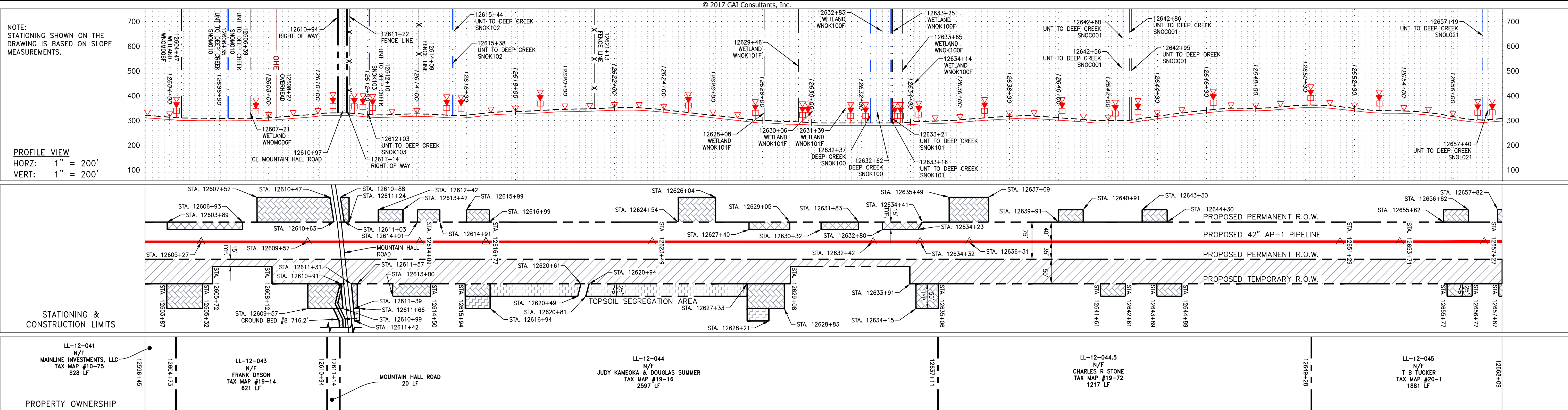


PROJECT NO./DASH NO.
 C140468

TASK NO. SUB TASK NO.
 005 00

GROUP ID DRAWING NO.
 D E278

278 OF 344



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	—	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)	—		—	

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NO.	DATE	DWG.	CHKD.	APPD.	DESCRIPTION

DANIEL R. GOLDSTEIN
Lic. No. 047436
PROFESSIONAL ENGINEER

ERM

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA. 12603+00 TO 12658+00

NOTTOWAY 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

PROJECT NO./DASH NO. C140468
TASK NO. SUB TASK NO. 005 00
GROUP ID DRAWING NO. D E279
279 OF 344

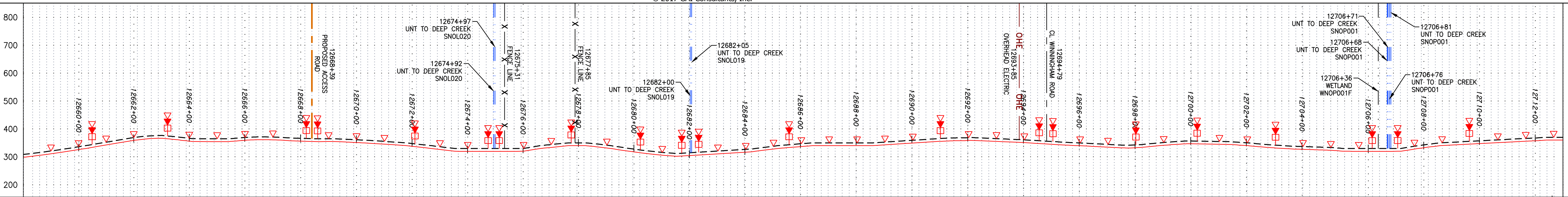
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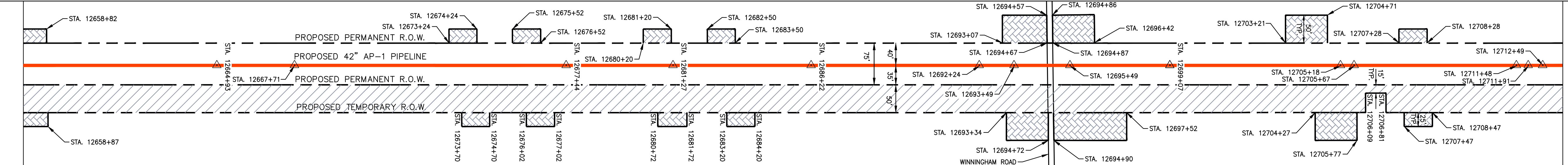
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NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

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



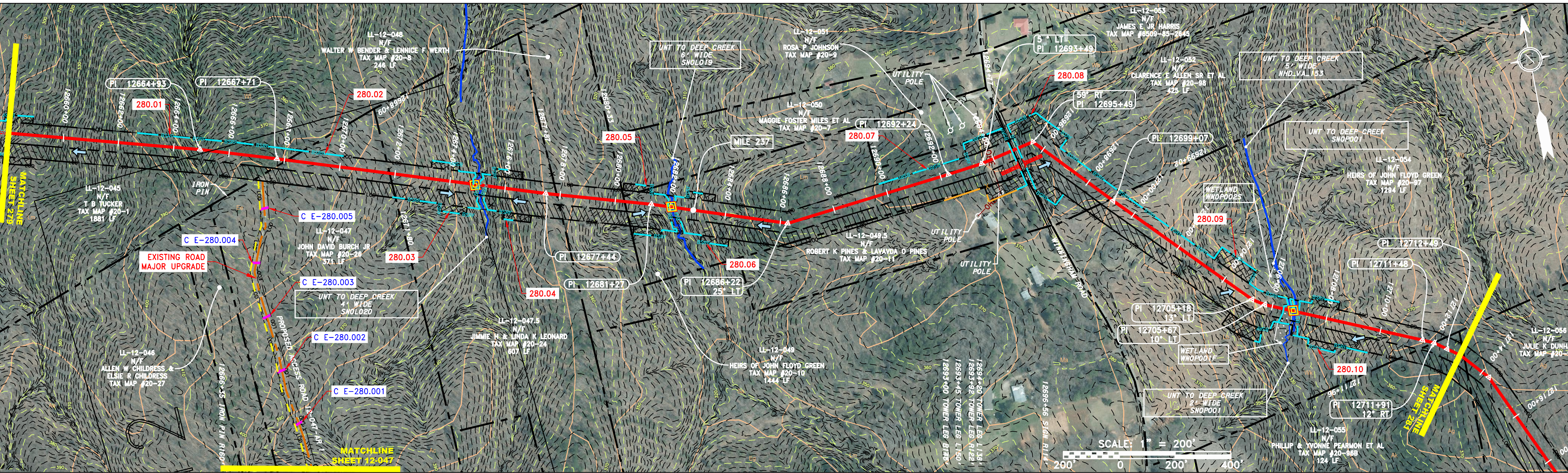
STATIONING & CONSTRUCTION LIMITS



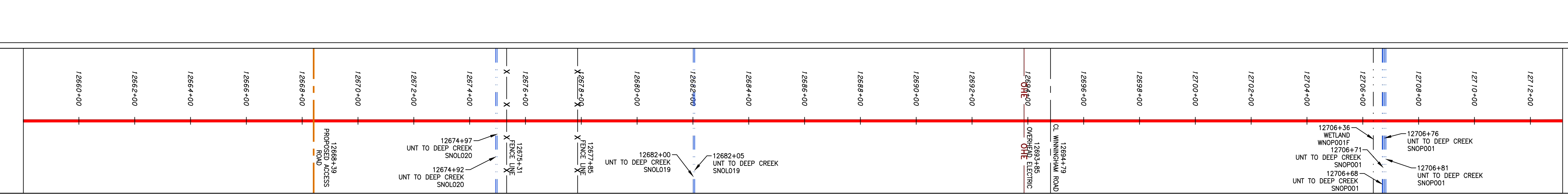
PROPERTY OWNERSHIP

12649+28	LL-12-045 N/F T B TUCKER TAX MAP #20-1 1881 LF	12669+09	LL-12-047 N/F JOHN DAVID BURCH JR TAX MAP #20-26 371 LF	12671+80		12677+80	LL-12-047.5 N/F JIMMIE H & LINDA K LEONARD TAX MAP #20-24 607 LF	12677+80	LL-12-048 N/F WALTER W BENDER & LENNICE F WERTH TAX MAP #20-8 246 LF	12680+13		12689+10	LL-12-049 N/F HEIRS OF JOHN FLOYD GREEN TAX MAP #20-10 1444 LF	12694+77		12699+02	LL-12-052 N/F CLARENCE E ALLEN SR ET AL TAX MAP #20-98 425 LF	12711+98	LL-12-054 N/F HEIRS OF JOHN FLOYD GREEN TAX MAP #20-97 1294 LF	12713+20	LL-12-055 N/F PHILLIP & YVONNE PEARSON ET AL TAX MAP #20-96B 124 LF
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EXISTING ROAD MAJOR UPGRADE



STRING VIEW BAND



LEGEND

— X — X —	PROPERTY LINE	— E —	STORM SEWER	— X — X —	FENCE	— W —	UNDERGROUND ELECTRIC	— G — G —	EXISTING GAS PIPELINE	— OH —	OVERHEAD UTILITY LINES	— A — A —	ACCESS ROAD	— P — P —	PROPOSED GAS PIPELINE	— S — S —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	— E — E —	STORM SEWER	— W — W —	WATER LINE	— G — G —	SANITARY SEWER	— OH — OH —	EDGE OF GRAVEL	— P — P —	PROPOSED PERMANENT EASEMENT	— S — S —	PROPOSED PERMANENT PIPELINE	— T — T —	TOPSOIL SEGREGATION AREA	— A — A —	AREA OF NO DISTURBANCE	— W — W —	WETLAND	— U — U —	UTILITY POLE	— P — P —	PERMANENT WATERBAR/SLOPE BREAKER	— T — T —	TEMPORARY WATERBAR/SLOPE BREAKER	— T — T —	TRENCH BREAKER/PLUG	— S — S —	STREAM CROSSING	— S — S —	USPWS STREAM CROSSING WITH ENHANCED CONTROLS	— S — S —	SLEEP	— S — S —	SLOPE DIRECTION	— C — C —	CONSTRUCTION ENTRANCE WITH DITCH	— C — C —	CULVERT AS NEEDED	— C — C —	CULVERT/WATERBAR	— L — L —	LOD	— B — B —	BSRF	— C — C —	COMPOST FILTER SOCK	— S — S —	SEDIMENT BARRIER IDENTIFICATION	— O — O —	ORANGE SAFETY FENCE	— R — R —	ROADSIDE DITCH	— S — S —	SOIL TYPE	— S — S —	TYPICAL BIC SLOPE CATEGORY	— S — S —	SLOPE INCLINATION
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REVISIONS

NO.	DATE	BY	APPD.	DESCRIPTION

Daniel R. Goldstein
PROFESSIONAL ENGINEER
Lic No. 047436

ERM

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA. 12658+00 TO 12713+00
NOTTOWAY 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
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CANONSBURG, PA 15317
724-373-3545

PROJECT NO./DASH NO.
C140468

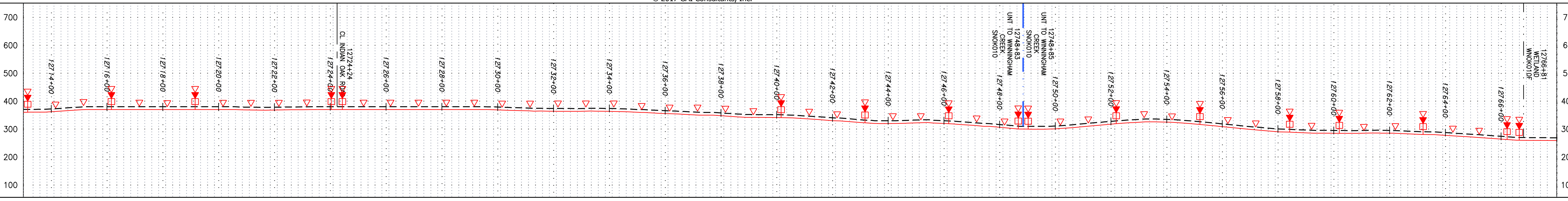
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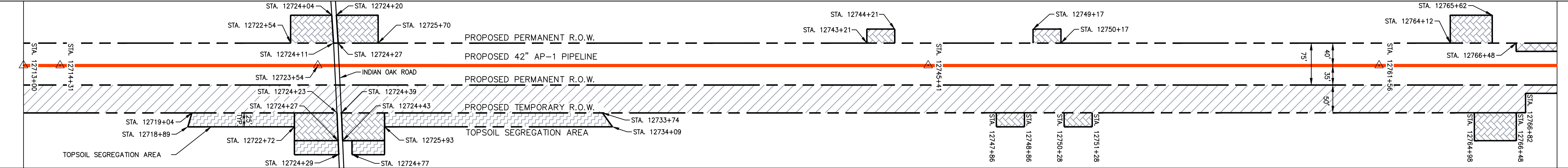
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NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

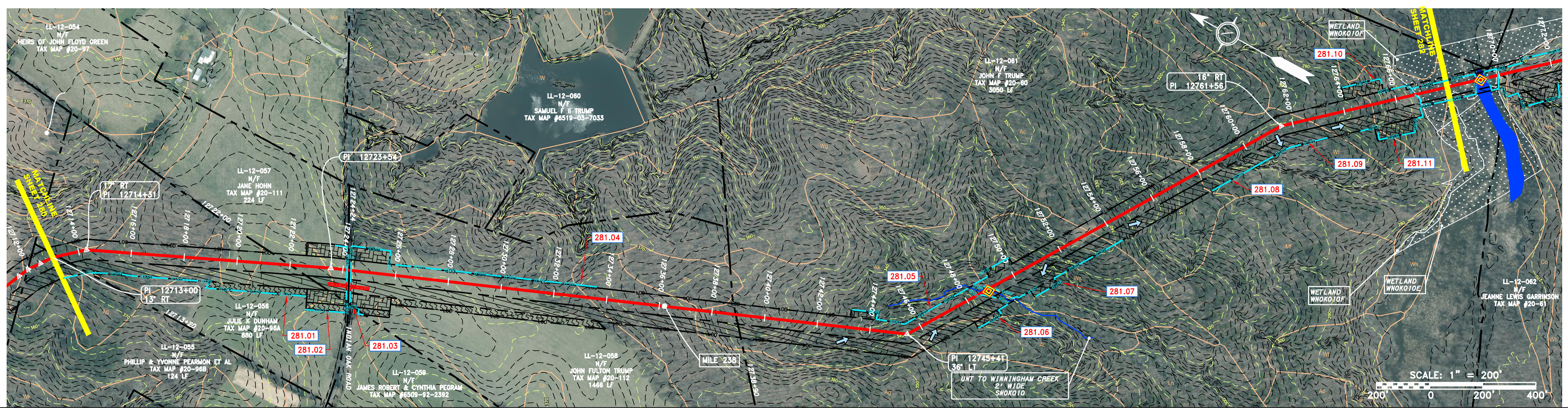
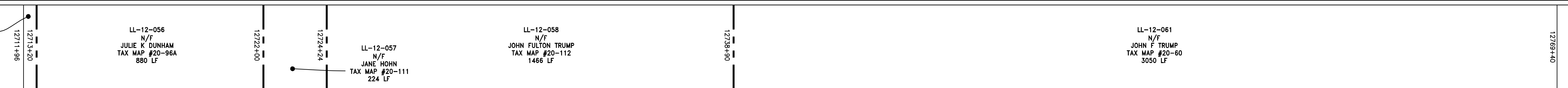
PROFILE VIEW
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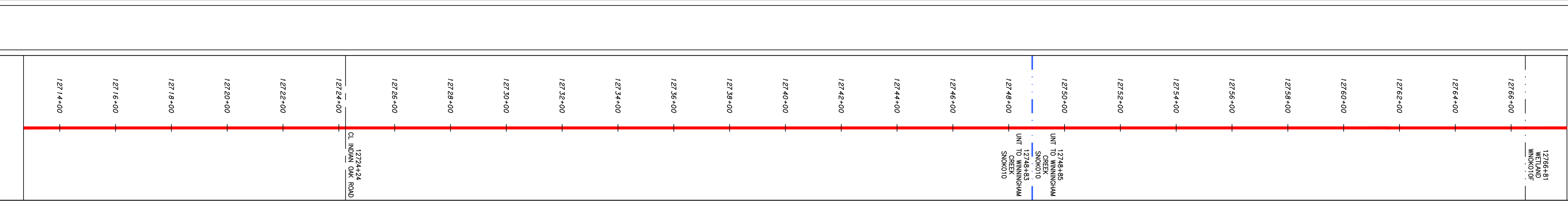
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



STRING VIEW BAND



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 (NO GROUND SURVEY)	—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	—	—	—	—

- ▲ 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
- ▲ CULTURV AS NEEDED
- ▲ CULVERT/WATERBAR
- LOD
- BSRF
- BELTED SILT RETENTION FENCE (BSRF)
- COMPOST FILTER SOCK
- SEDIMENT BARRIER IDENTIFICATION
- ORANGE SAFETY FENCE
- ROADSIDE DITCH
- SOIL TYPE
- TYPICAL BIC SLOPE CATEGORY
- SLOPE INCLINATION

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- 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.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	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
 NOTTOWAY COUNTY, VIRGINIA
CONSTRUCTION ALIGNMENT STA. 12713+00 TO 12768+00

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

SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-673-3545

PROJECT NO./DASH NO.
C140468

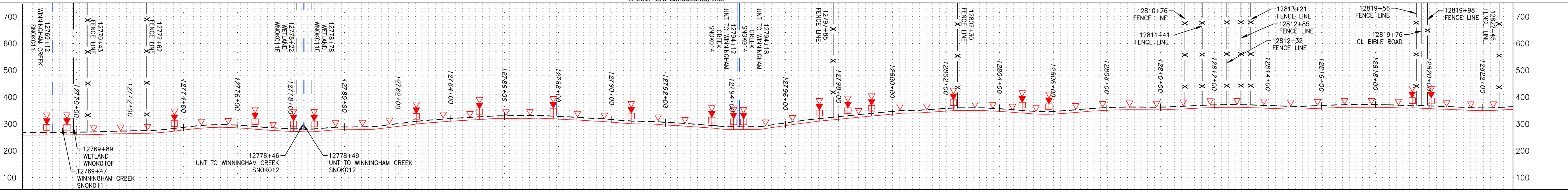
TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
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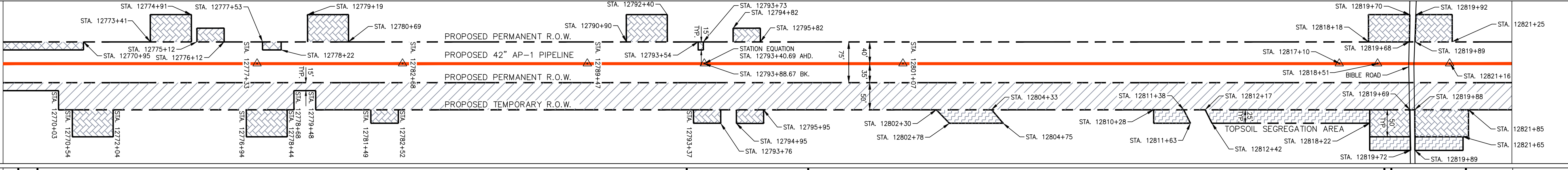
281 OF 344

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

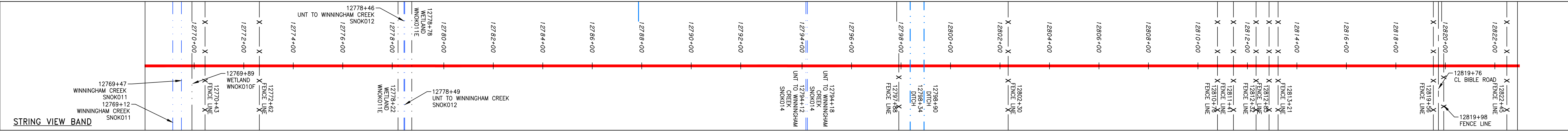
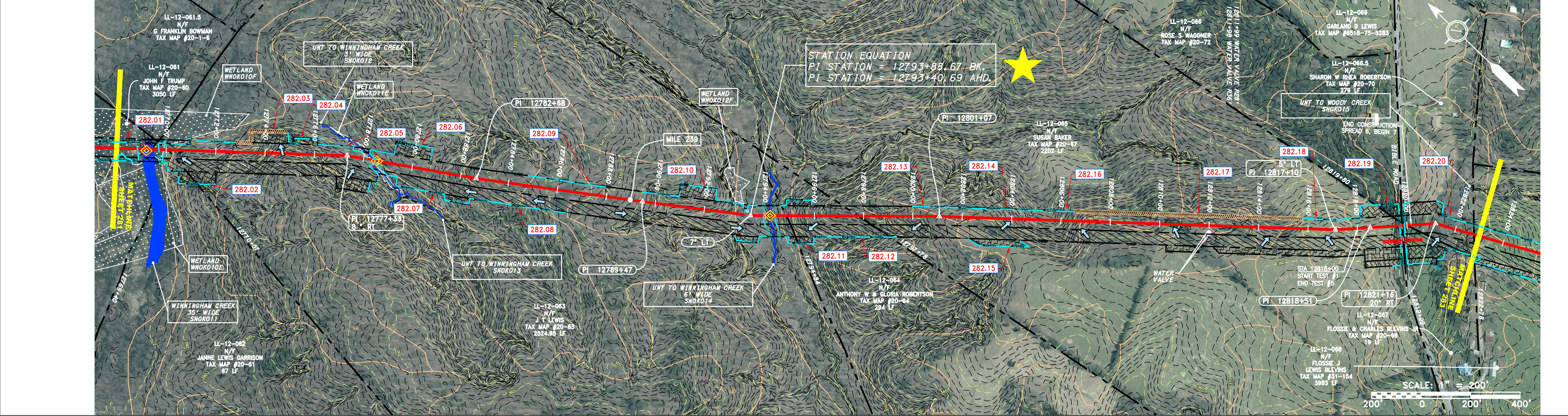
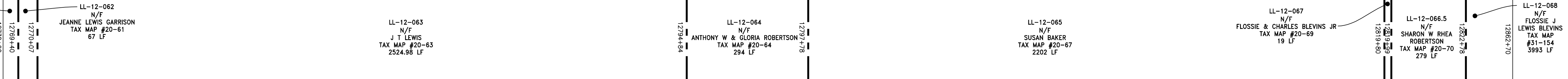
PROFILE VIEW
 HORZ: 1" = 200'
 VERT: 1" = 200'



STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP

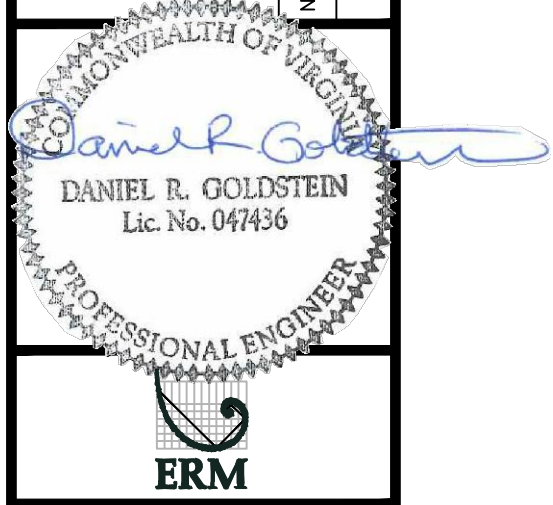


LEGEND

—	PROPERTY LINE	—	STORM SEWER	▨	EXTRA WORK SPACE	▨	TOPSOIL SEGREGATION AREA	▲	PERMANENT WATERBAR/SLOPE BREAKER	—	LOD	—	LIMIT OF DISTURBANCE	NOTES: 1. 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. 2. IMAGERY TAKEN FROM GOOGLE EARTH. 3. 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. 4. 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 BARRIERS 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 3% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND. 11. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES: 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND 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 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. 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	—E—	UNDERGROUND ELECTRIC	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	▲	TRENCH BREAKER/PLUG	—	BSRF	—	BELTED SILT RETENTION FENCE (BSRF)	
—	STREAM	—W—	WATER LINE	▨	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	▨	UTILITY POLE	▲	STREAM CROSSING	—	—	—	COMPOST FILTER SOCK	
—G—	EXISTING GAS PIPELINE	—S—	SANITARY SEWER	▨	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).	▨		▲	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	—	—	—	SEDIMENT BARRIER IDENTIFICATION	
—OH—	OVERHEAD UTILITY LINES	—E—	EDGE OF GRAVEL	▨		▨		▲	SLEEP	—	—	—	ORANGE SAFETY FENCE	
—	ACCESS ROAD	—E—	PROPOSED PERMANENT EASEMENT	▨		▨		▲	CONSTRUCTION ENTRANCE WITH DITCH	—	—	—	ROADSIDE DITCH	
—	PROPOSED GAS PIPELINE	—E—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▨		▨		▲	CULVERT/ WATERBAR	—	—	—	SOIL TYPE	
		—E—		▨		▨		▲		—	—	—	TYPICAL BIC SLOPE CATEGORY	
		—E—		▨		▨		▲		—	—	—	SLOPE INCLINATION	
		—E—		▨		▨		▲		—	—	—		
		—E—		▨		▨		▲		—	—	—		
		—E—		▨		▨		▲		—	—	—		
		—E—		▨		▨		▲		—	—	—		
		—E—		▨		▨		▲		—	—	—		

REVISIONS

NO.	DATE	BY	APP'D.	DESCRIPTION



42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA. 12768+00 TO 12823+00
 ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 NOTTOWAY 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 E282

282 OF 344