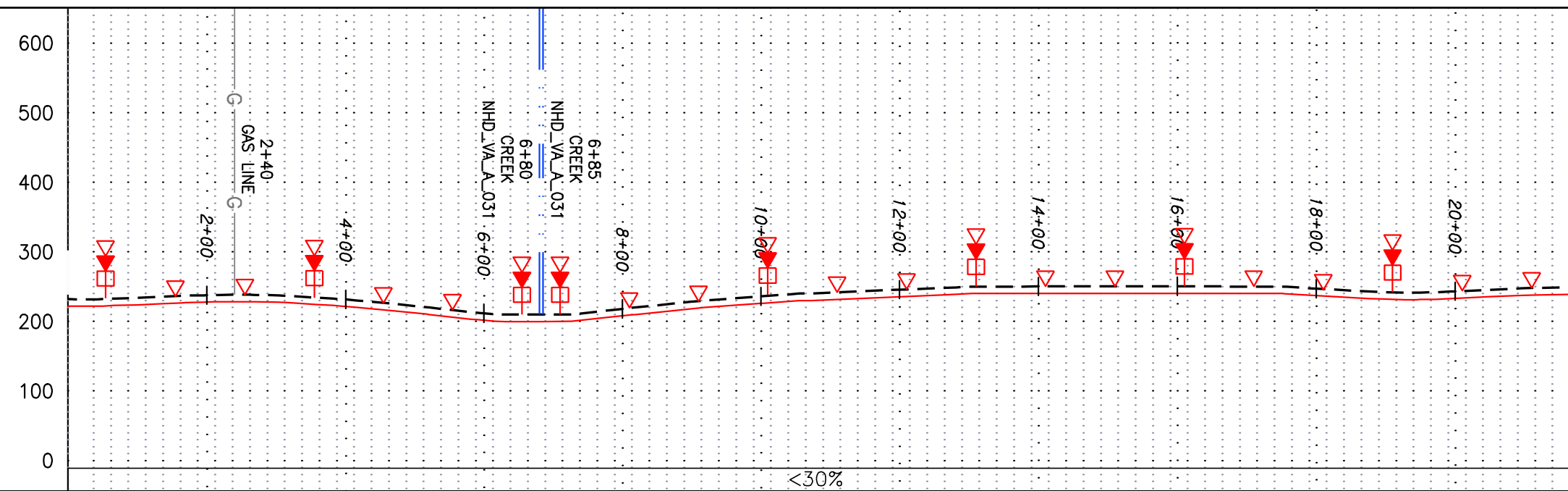
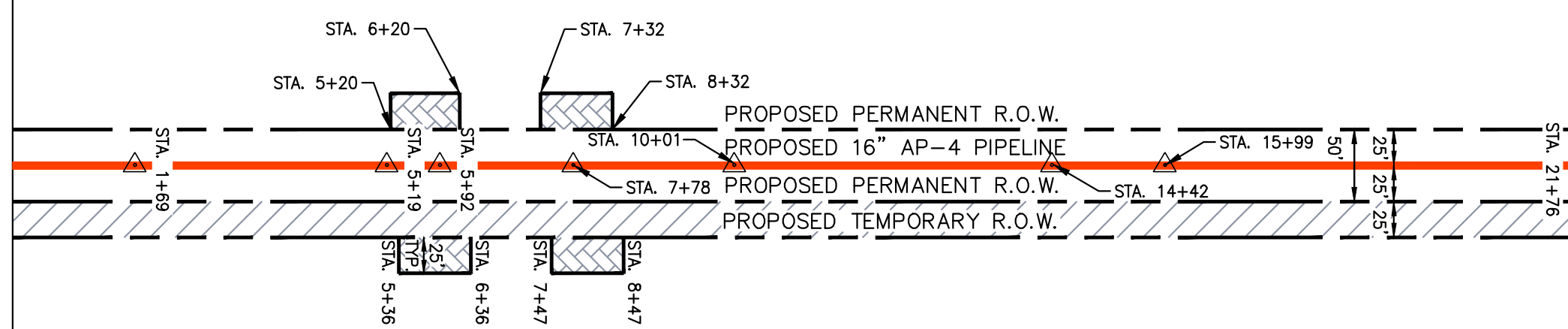


NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

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



STATIONING & CONSTRUCTION LIMITS

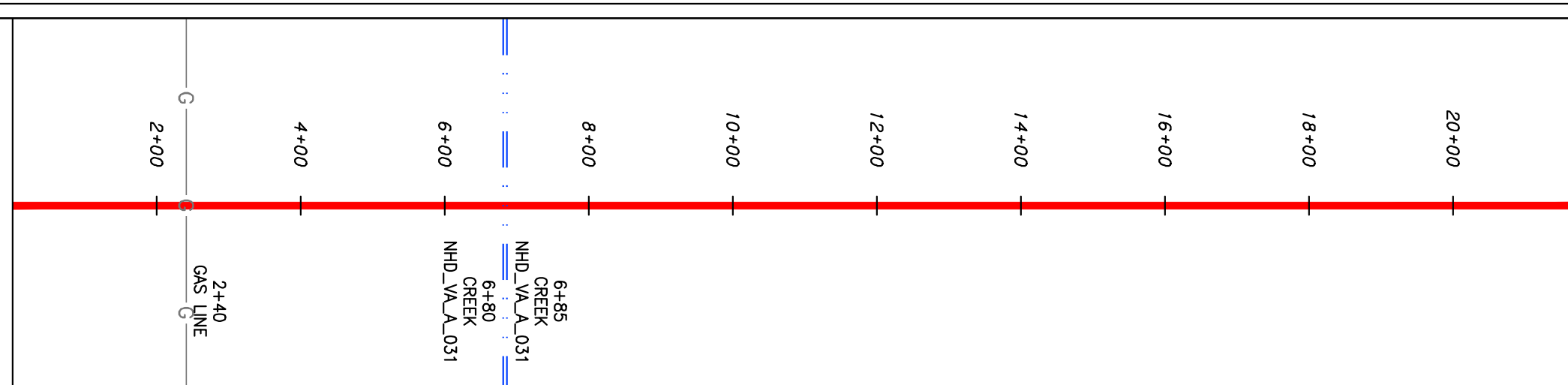


PROPERTY OWNERSHIP

LL-14-137.2
 N/F
 VIRGINIA ELECTRIC AND POWER COMPANY
 TAX MAP #55-64D
 2176 LF



STRING VIEW BAND

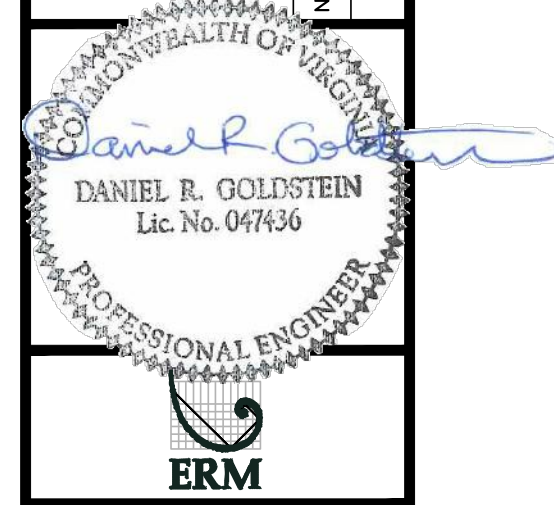


LEGEND

- | | | | | | | | | | | | |
|-----------|------------------------|---------|--|---------------|--|---------------|---------------------------|------------------|--|---------------|---|
| — X — X — | PROPERTY LINE | — E — | STORM SEWER | [Hatched Box] | EXTRA WORK SPACE | [Hatched Box] | TOPSOIL SEGREGATION AREA | [Red Triangle] | PERMANENT WATERBAR/SLOPE BREAKER | — LOD — | LIMIT OF DISTURBANCE |
| — X — X — | FENCE | — W — | UNDERGROUND ELECTRIC | [Dotted Box] | AREA OF NO DISTURBANCE | [Hatched Box] | PROPOSED TEMPORARY R.O.W. | [Red Triangle] | TEMPORARY WATERBAR/SLOPE BREAKER | — BSRF — | BELTED SILT RETENTION FENCE (BSRF) |
| — G — G — | STREAM | — SAN — | WATER LINE | [Green Box] | WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) | [Circle] | UTILITY POLE | [Yellow Diamond] | TRENCH BREAKER/PLUG | [Orange Line] | 111.03
C 111.001
CULVERT IDENTIFICATION |
| — OH — | EXISTING GAS PIPELINE | — | SANITARY SEWER | [Green Box] | NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12). | [Blue Line] | | [Blue Diamond] | USFWS STREAM CROSSING WITH ENHANCED CONTROLS | [Orange Line] | ORANGE SAFETY FENCE |
| — | OVERHEAD UTILITY LINES | — | EDGE OF GRAVEL | [Green Box] | | [Blue Line] | | [Blue Diamond] | SEEP | [Orange Line] | ROADSIDE DITCH |
| — | ACCESS ROAD | — | PROPOSED PERMANENT EASEMENT | [Green Box] | | [Blue Line] | | [Blue Diamond] | SLOPE DIRECTION | [Orange Line] | SOIL TYPE |
| — | PROPOSED GAS PIPELINE | — | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | [Green Box] | | [Blue Line] | | [Blue Diamond] | CONSTRUCTION ENTRANCE WITH DITCH | [Orange Line] | TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION |
| | | | | [Green Box] | | [Blue Line] | | [Blue Diamond] | CULVERT AS NEEDED | [Orange Line] | |
| | | | | [Green Box] | | [Blue Line] | | [Blue Diamond] | CULVERT/WATERBAR | [Orange Line] | |

- 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.
 - STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
 - ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
 - EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
 - ALL STATIONING SHOWN IS SLOPE STATIONING.
 - EROSION AND SEDIMENTATION CONTROL ELEMENTS SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BELTED SILT RETENTION FENCE AND COMPOST FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. SEDIMENT BARRIERS LOCATIONS ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS WITH APPROVAL FROM THE PROJECT ENVIRONMENTAL INSPECTOR.
 - BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
 - EROSION CONTROL MATING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.
 - ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE. DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
 - ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.
 - THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.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
					REVISIONS



16" AP-4 PIPELINE
 CONSTRUCTION ALIGNMENT STA. 0+00 TO 21+76
 BRUNSWICK COUNTY, VIRGINIA

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

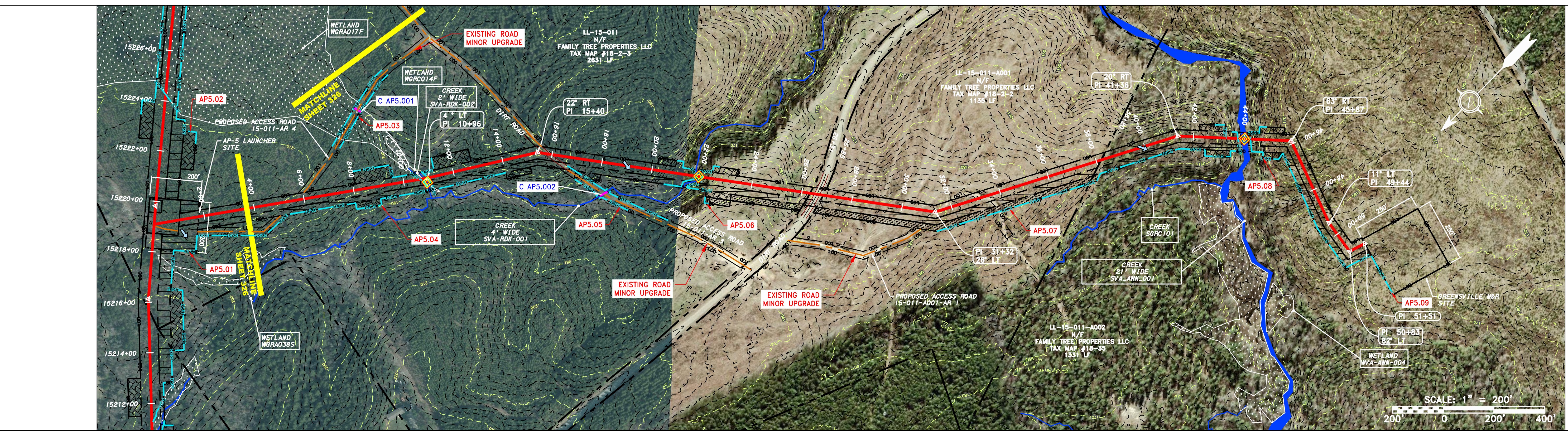
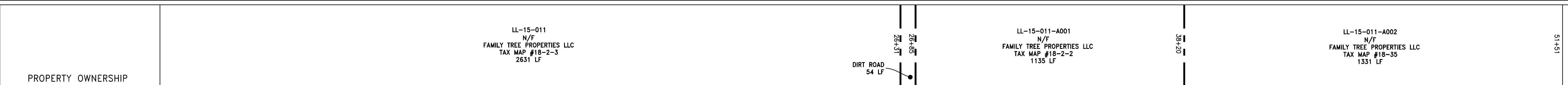
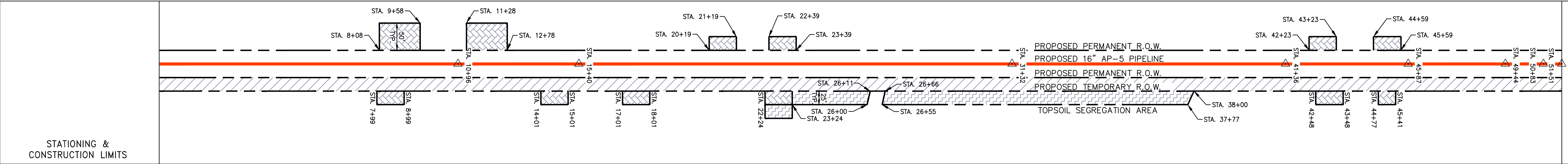
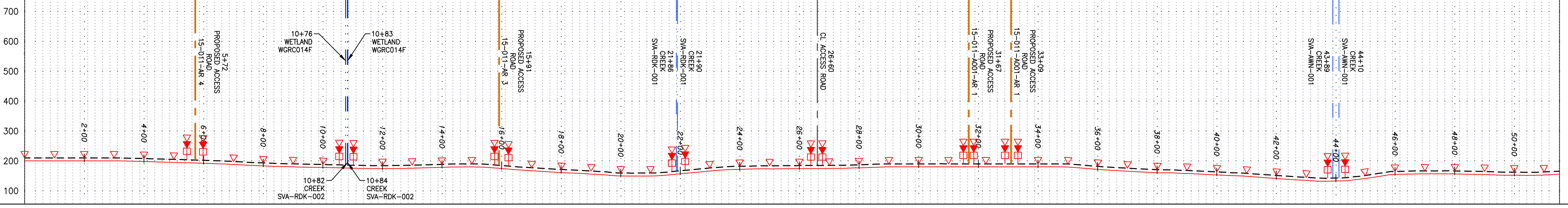
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 DATE: 11/23/2016
 DRAWN: JFS
 CHECKED: DLH
 APPROVED: NET



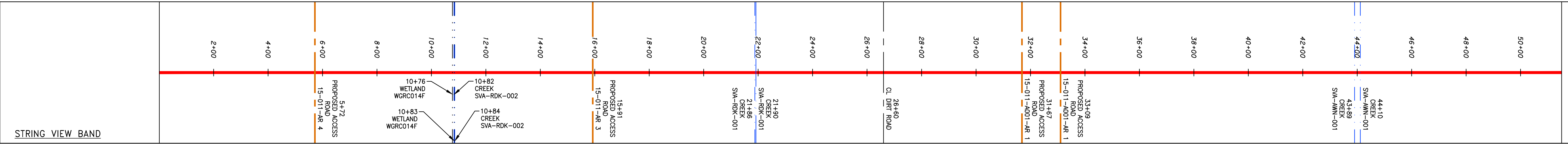
PROJECT NO./DASH NO.	C140468
TASK NO.	005
SUB TASK NO.	00
GROUP ID	D
DRAWING NO.	E1
	2 OF 2

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

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



PIPE SPECIFICATION	STATIONING
2+00	2+00
4+00	4+00
6+00	6+00
8+00	8+00
10+00	10+00
12+00	12+00
14+00	14+00
16+00	16+00
18+00	18+00
20+00	20+00
22+00	22+00
24+00	24+00
26+00	26+00
28+00	28+00
30+00	30+00
32+00	32+00
34+00	34+00
36+00	36+00
38+00	38+00
40+00	40+00
42+00	42+00
44+00	44+00
46+00	46+00
48+00	48+00
50+00	50+00



LEGEND

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

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

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

REVISIONS

16" AP-5 PIPELINE
 CONSTRUCTION ALIGNMENT STA. 0+00 TO 51+51
 GREENSVILLE 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
 724-673-3545

PROJECT NO./DASH NO. C140468
TASK NO. SUB TASK NO. 005 00
GROUP ID DRAWING NO. D E01
2 OF 2