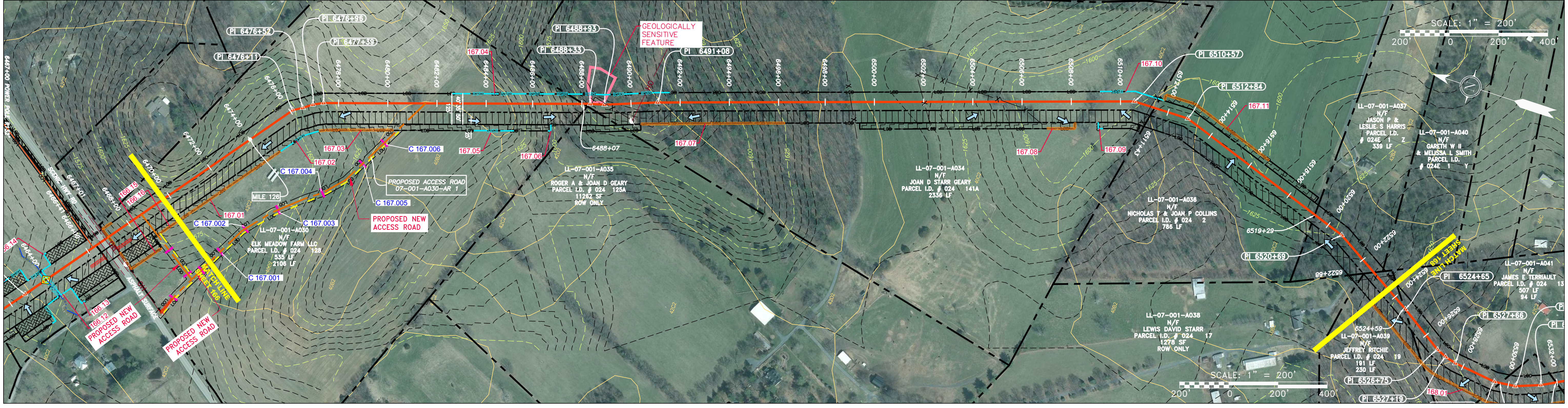


| PROPERTY OWNERSHIP |
|---|
| LL-07-001-A030 N/F ELK MEADOW FARM LLC PARCEL I.D. # 024 128 2106 LF |
| LL-07-001-A035 N/F ROGER A & JOAN D GEARY PARCEL I.D. # 024 125A 11262 SF ROW ONLY |
| LL-07-001-A034 N/F JOAN D STARR GEARY PARCEL I.D. # 024 141A 2356 LF |
| LL-07-001-A036 N/F NICHOLAS T & JOAN P COLLINS PARCEL I.D. # 024 2 786 LF |
| LL-07-001-A039 N/F JEFFREY RITCHIE PARCEL I.D. # 024 19 191 LF |
| LL-07-001-A037 N/F JASON P & LESLIE S HARRIS PARCEL I.D. # 024E 1 Z 339 LF |
| LL-07-001-A040 N/F GARRETT W II & MELISSA L SMITH PARCEL I.D. # 024E 1 Y |
| LL-07-001-A038 N/F LEWIS DAVID STARR PARCEL I.D. # 024 17 1278 SF ROW ONLY |



| PIPE SPECIFICATION |
|--------------------|
| 6470+00 |
| 6471+00 |
| 6472+00 |
| 6473+00 |
| 6474+00 |
| 6475+00 |
| 6480+00 |
| 6482+00 |
| 6484+00 |
| 6486+00 |
| 6488+00 |
| 6490+00 |
| 6492+00 |
| 6494+00 |
| 6496+00 |
| 6498+00 |
| 6500+00 |
| 6502+00 |
| 6504+00 |
| 6506+00 |
| 6508+00 |
| 6510+00 |
| 6512+00 |
| 6514+00 |
| 6516+00 |
| 6518+00 |
| 6520+00 |
| 6522+00 |
| 6524+00 |
| 6525+00 |

LEGEND

| | | | |
|------------------------|--|---|--|
| PROPERTY LINE | STORM SEWER | EXTRA WORK SPACE | TOPSOIL SEGREGATION AREA |
| FENCE | UNDERGROUND ELECTRIC | AREA OF NO DISTURBANCE | PROPOSED TEMPORARY R.O.W. |
| STREAM | WATER LINE | WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) | UTILITY POLE |
| 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). | |
| OVERHEAD UTILITY LINES | EDGE OF GRAVEL | PERMANENT WATERBAR/SLOPE BREAKER | LIMIT OF DISTURBANCE |
| ACCESS ROAD | PROPOSED PERMANENT EASEMENT | TEMPORARY WATERBAR/SLOPE BREAKER | BELTED SILT RETENTION FENCE (BSRF) |
| PROPOSED GAS PIPELINE | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | STREAM CROSSING | COMPOSITE FILTER SOCK |
| | | CONSTRUCTION ENTRANCE WITH DITCH | SEDIMENT BARRIER IDENTIFICATION |
| | | CULVERT AS NEEDED | CULVERT IDENTIFICATION |
| | | CULVERT WATERBAR | ORANGE SAFETY FENCE |
| | | | ROADSIDE DITCH |
| | | | SOIL TYPE |
| | | | TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION |

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- 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.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- 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.
- BEST IN CLASS SLOPE INCLINATION AND CATEGORY.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES: 1) EXISTING ROADS NO IMPROVEMENTS, 2) 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.4.S FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.4.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.

| NO. | DATE | BY | CHKD. | APPD. | DESCRIPTION |
|-----|------|----|-------|-------|-------------|
| | | | | | |

REVISIONS

PROFESSIONAL ENGINEER

 DANIEL R. GOLDSTEIN
 Lic. No. 047436

ERM

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

42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA 6469+50 TO 6523+50

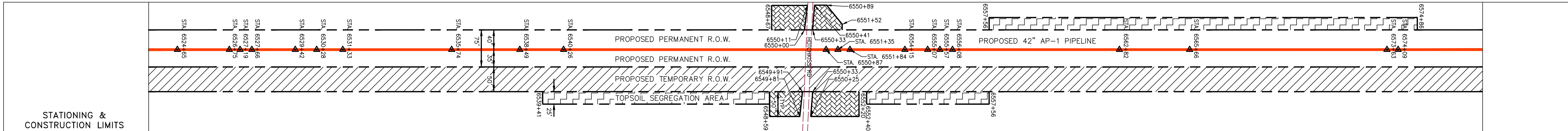
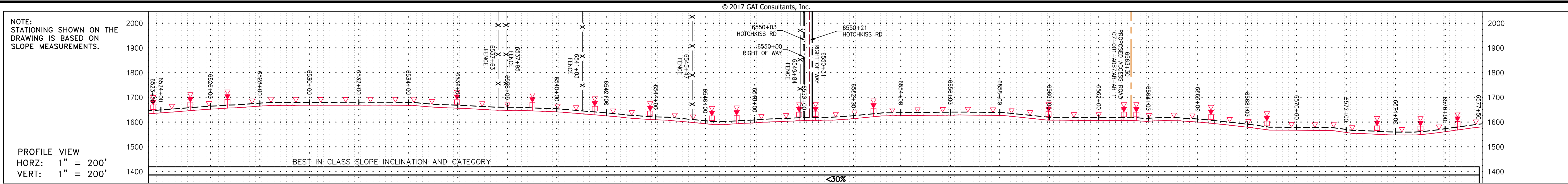
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| DATE: 3/24/17 |
| DRAWN: GPT |
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| APPROVED: NET |

gai consultants

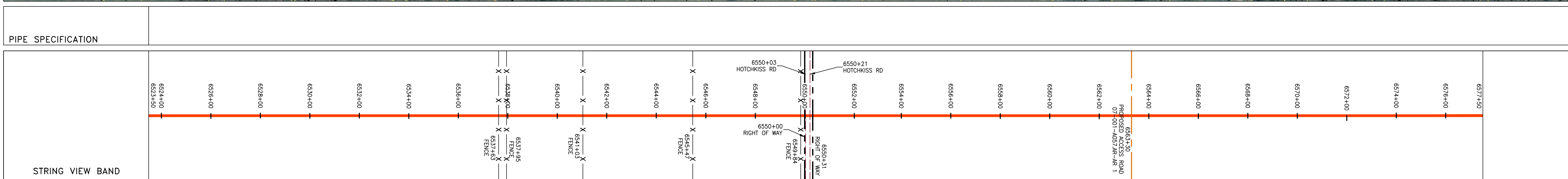
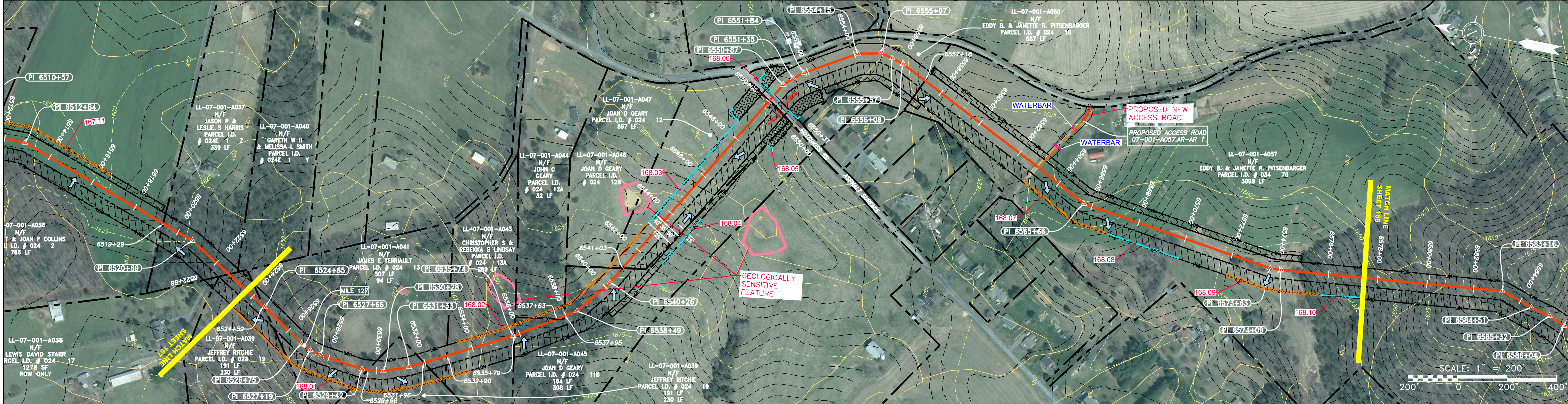
SOUTHPOINT OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

| | |
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| PROJECT NO./DASH NO. | 140468 |
| TASK NO. SUB TASK NO. | 005 00 |
| GROUP ID DRAWING NO. | D E167 |
| 167 OF 344 | |

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING SURVEY DRAWING SEC 3 YR SHEETS 164-168 (21-25).DWG



PROPERTY OWNERSHIP table listing parcel numbers, owner names, and acreages. Owners include Jeffrey Ritchie, James E. Terriault, Christopher S. & Rebecca S. Lindsay, Joan D. Geary, John C. Geary, and Eddy B. & Janette R. Pitsenbarger.

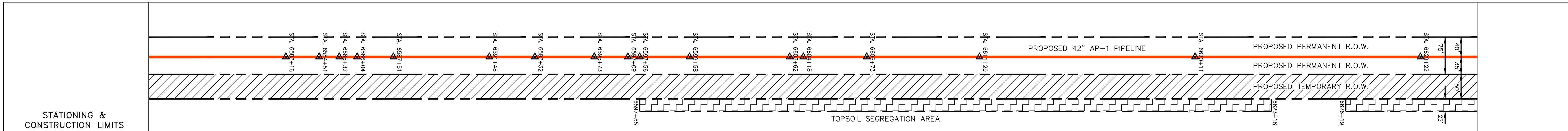
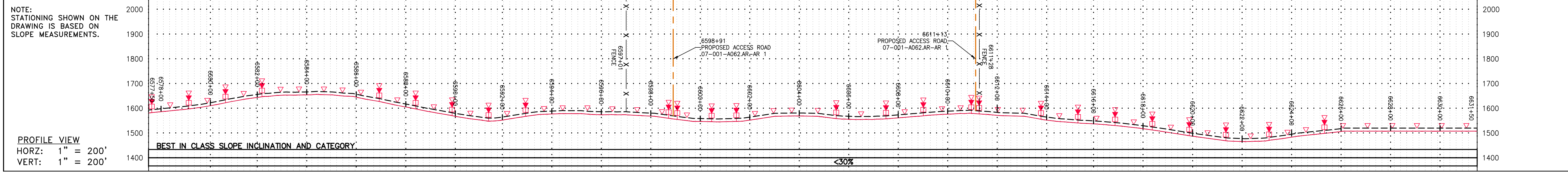


LEGEND, NOTES, and REVISIONS section. Includes symbols for property lines, fences, streams, storm sewers, water lines, and various construction features. Notes provide technical details about the survey and construction requirements.

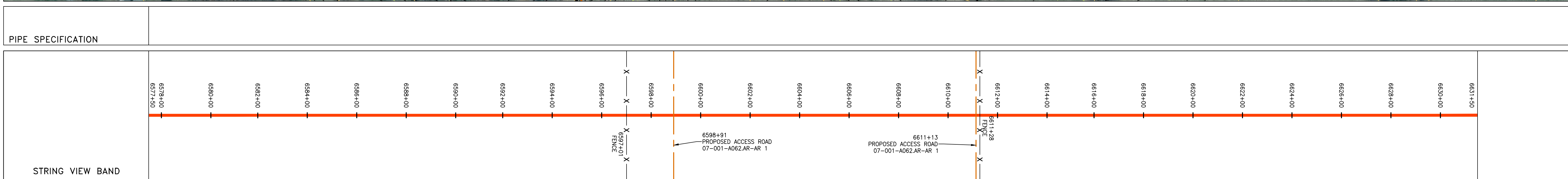
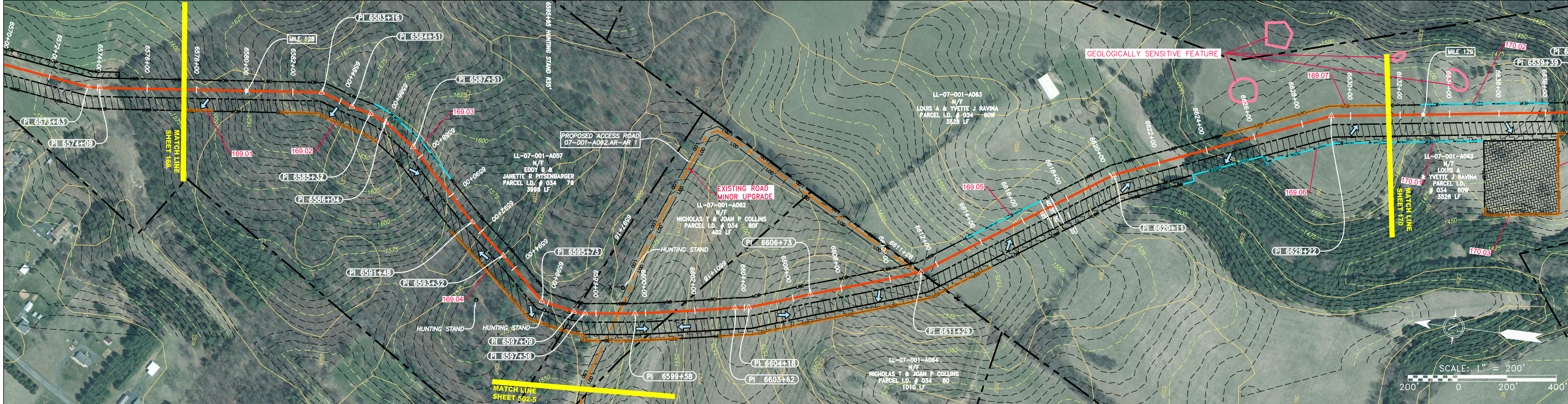
REVISIONS table with columns for NO., DATE, DWN., CHKD., and APPROD. Includes a professional engineer seal for Daniel R. Goldstein, License No. 047436.

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 6523+50 TO 6577+50
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

Scale: AS SHOWN
Date: 3/24/17
Drawn: GPT
Checked: DLH
Approved: NET
PROJECT NO./DASH NO. 140468
TASK NO. SUB TASK NO. 005 00
GROUP ID DRAWING NO. D E168
168 OF 344



| Stationing | Property Ownership |
|------------|---|
| 6573+18 | LL-07-001-A057 N/F EDDY B & JANETTE R PITSENBARGER PARCEL I.D. # 034 76 3998 LF |
| 6597+16 | LL-07-001-A062 N/F NICHOLAS T & JOAN P COLLINS PARCEL I.D. # 034 80F 402 LF |
| 6611+13 | LL-07-001-A064 N/F NICHOLAS T & JOAN P COLLINS PARCEL I.D. # 034 80 1010 LF |
| 95+999 | LL-07-001-A063 N/F LOUIS A & YVETTE J RAVINA PARCEL I.D. # 034 60W 3528 LF |



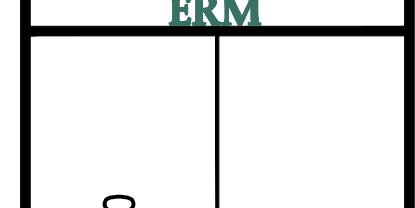
LEGEND

| | | | |
|------------------------|--|---|--|
| PROPERTY LINE | STORM SEWER | EXTRA WORK SPACE | TOPSOIL SEGREGATION AREA |
| FENCE | UNDERGROUND ELECTRIC | AREA OF NO DISTURBANCE | PROPOSED TEMPORARY R.O.W. |
| STREAM | WATER LINE | WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) | UTILITY POLE |
| 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). | |
| OVERHEAD UTILITY LINES | EDGE OF GRAVEL | PERMANENT WATERBAR/SLOPE BREAKER | LIMIT OF DISTURBANCE |
| ACCESS ROAD | PROPOSED PERMANENT EASEMENT | TEMPORARY WATERBAR/SLOPE BREAKER | BELTED SILT RETENTION FENCE (BSRF) |
| PROPOSED GAS PIPELINE | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | STREAM CROSSING | COMPOSITE FILTER SOCK |
| | | SLOPE DIRECTION | SEDIMENT BARRIER IDENTIFICATION |
| | | CULVERT | ORANGE SAFETY FENCE |
| | | SLOPE DIRECTION WITH DITCH | ROADSIDE DITCH |
| | | CULVERT AS NEEDED | SOIL TYPE |
| | | CULVERT WATERBAR | TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION |

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- 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.
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- ALL STATIONING SHOWN IS SLOPE STATIONING.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE; DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- 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. | APPVD. | DESCRIPTION |
|-----|------|----|-------|--------|-------------|
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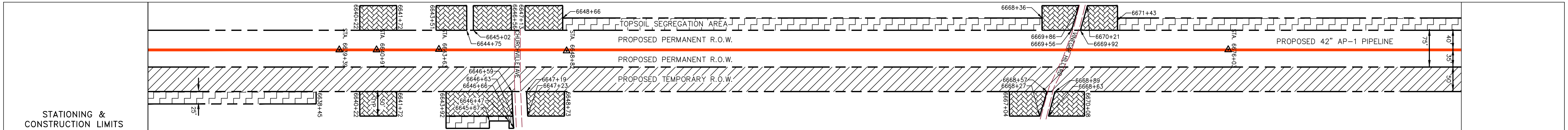
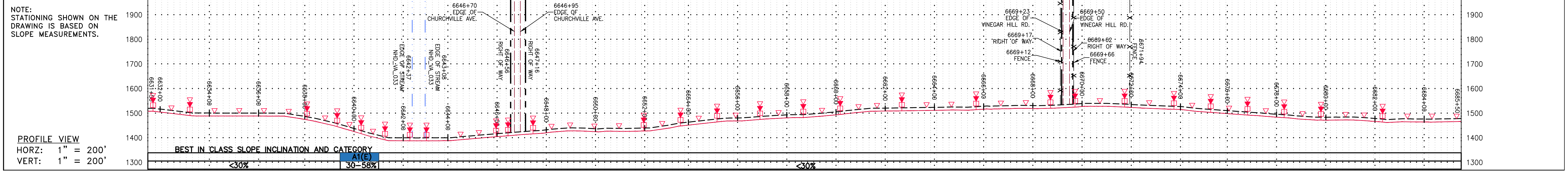


42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 6577+50 TO 6631+50
 AUGUSTA COUNTY, VIRGINIA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

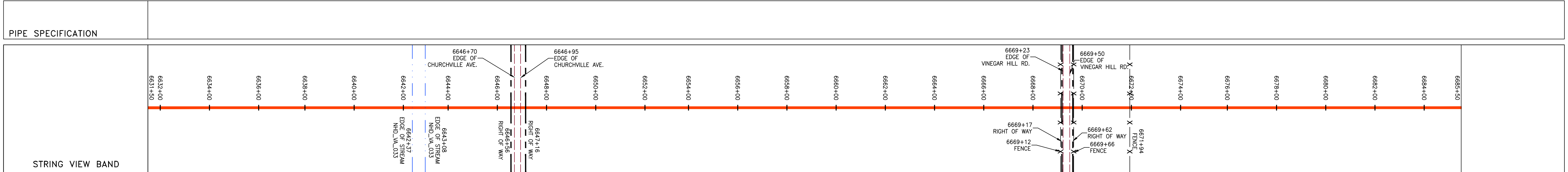
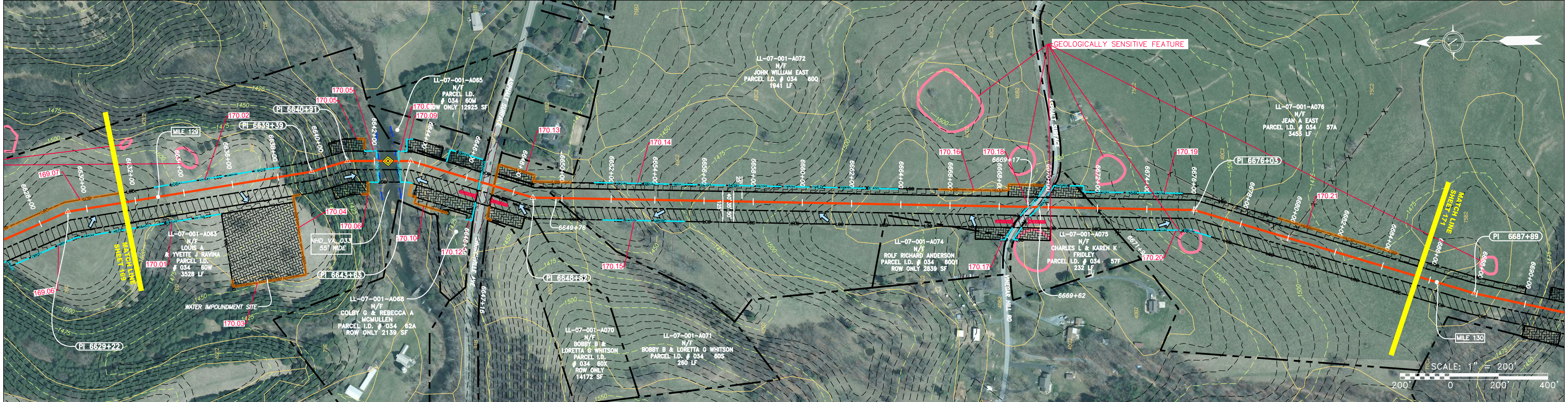
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| DATE: | 3/24/17 |
| DRAWN: | GPT |
| CHECKED: | DLH |
| APPROVED: | NET |



| | |
|-----------------------|--------|
| PROJECT NO./DASH NO. | 140468 |
| TASK NO. SUB TASK NO. | 005 00 |
| GROUP ID DRAWING NO. | D E169 |
| 169 OF 344 | |



PROPERTY OWNERSHIP table listing parcel numbers (e.g., LL-07-001-A063), owner names (e.g., LOUIS A & YVETTE J RAVINA), parcel I.D. numbers, and row only areas in square feet.



LEGEND and NOTES section. The legend defines symbols for property lines, fences, streams, gas pipelines, access roads, storm sewers, water lines, sanitary sewers, easements, and pipelines. It also defines symbols for extra work space, topsoil segregation areas, areas of no disturbance, wetlands, utility poles, and various erosion control measures like silt retention fences and stream crossings. Notes provide technical details about the coordinate system, data sources, and construction requirements.

REVISIONS table with columns for NO., DATE, DWN., CHKD., APPD., and DESCRIPTION. It also includes a professional engineer seal for Daniel R. Goldstein, License No. 047436, and the ERM logo.

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 6631+50 TO 6685+50
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

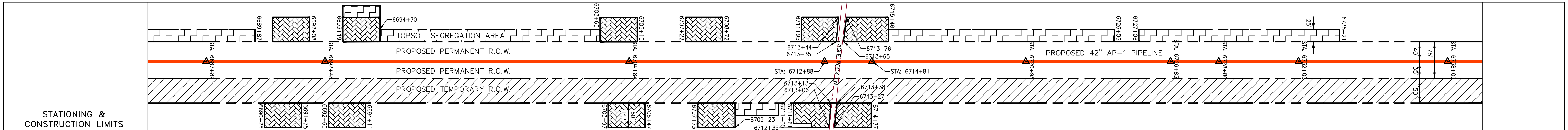
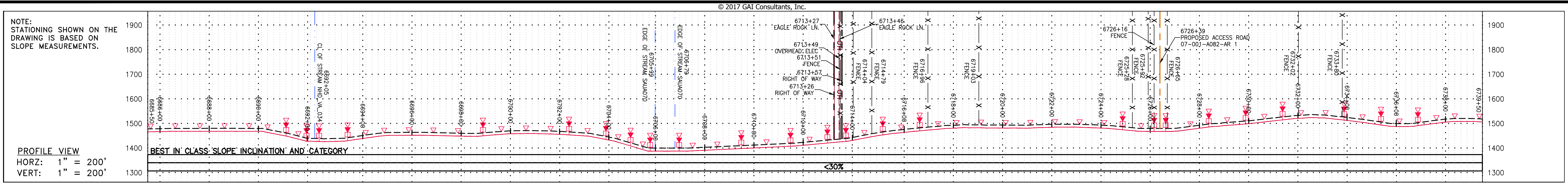
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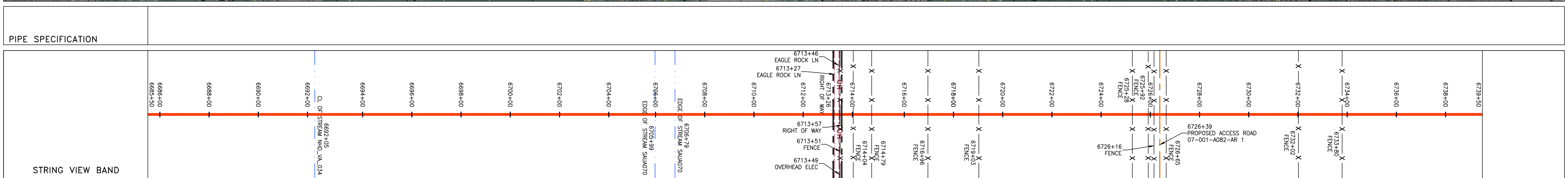
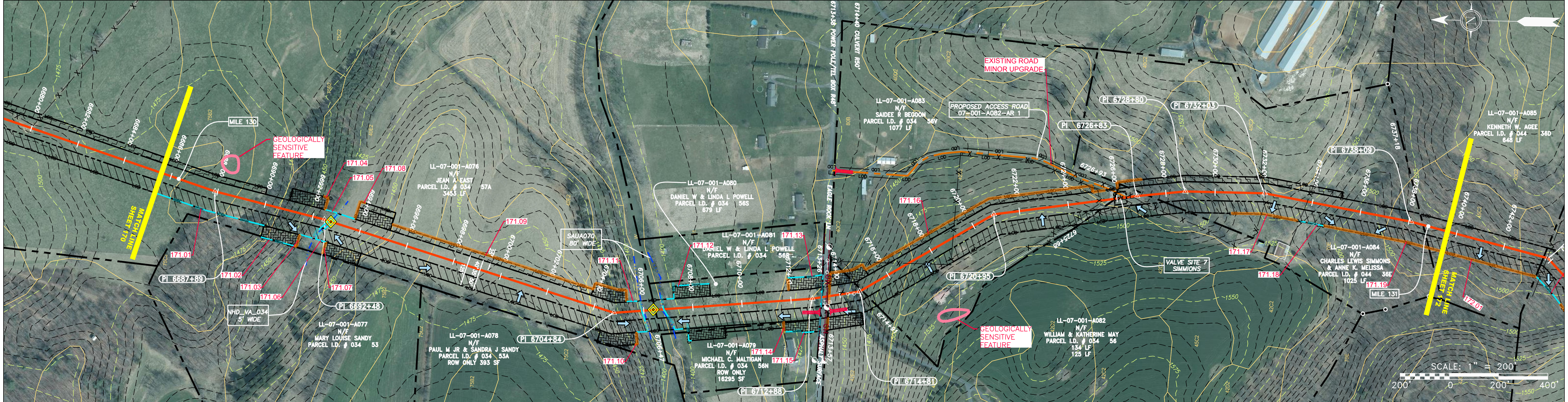
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GROUP ID D DRAWING NO. E170
170 OF 344

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 3\RR SHEETS 169-170 173 (26-27-30).DWG

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 3\RR SHEETS 171-172 (28-29).DWG



| Stationing | Property Ownership |
|-------------------|--|
| 6688+00 - 6692+00 | LL-07-001-A076 N/F JEAN A EAST PARCEL I.D. # 034 57A 3453 LF |
| 6692+00 - 6704+00 | LL-07-001-A078 N/F PAUL M JR & SANDRA J SANDY PARCEL I.D. # 034 53A ROW ONLY 393 SF |
| 6704+00 - 6712+00 | LL-07-001-A080 N/F DANIEL W & LINDA L POWELL PARCEL I.D. # 034 56S 679 LF |
| 6712+00 - 6726+00 | LL-07-001-A082 N/F WILLIAM & KATHERINE MAY PARCEL I.D. # 034 56 134 LF |
| 6726+00 - 6739+50 | LL-07-001-A083 N/F SAIDEE R BEGON PARCEL I.D. # 034 56V 1077 LF |
| | LL-07-001-A084 N/F CHARLES LEWIS SIMMONS & ANNE K. MELISSA PARCEL I.D. # 044 36E 1025 LF |
| | LL-07-001-A085 N/F KENNETH W AGEE PARCEL I.D. # 044 36D 648 LF |



LEGEND

| | | | |
|--|------------------------|--|--|
| | PROPERTY LINE | | STORM SEWER |
| | FENCE | | UNDERGROUND ELECTRIC |
| | STREAM | | WATER LINE |
| | EXISTING GAS PIPELINE | | SANITARY SEWER |
| | OVERHEAD UTILITY LINES | | EDGE OF GRAVEL |
| | ACCESS ROAD | | PROPOSED PERMANENT EASEMENT |
| | PROPOSED GAS PIPELINE | | PROPOSED GAS PIPELINE (NO GROUND SURVEY) |

| | | | |
|--|--|--|---------------------------|
| | EXTRA WORK SPACE | | TOPSOIL SEGREGATION AREA |
| | AREA OF NO DISTURBANCE | | PROPOSED TEMPORARY R.O.W. |
| | WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) | | UTILITY POLE |

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

| | | | |
|--|--|--|--|
| | PERMANENT WATERBAR/SLOPE BREAKER | | LIMIT OF DISTURBANCE |
| | TEMPORARY WATERBAR/SLOPE BREAKER | | BELTED SILT RETENTION FENCE (BSRF) |
| | TRENCH BREAKER/PLUG | | COMPOSITE FILTER SOCK |
| | STREAM CROSSING | | SEDIMENT BARRIER IDENTIFICATION |
| | USFWS STREAM CROSSING WITH ENHANCED CONTROLS | | CULVERT IDENTIFICATION |
| | SLOPE DIRECTION | | ORANGE SAFETY FENCE |
| | CONSTRUCTION ENTRANCE WITH DITCH | | ROADSIDE DITCH |
| | CULVERT AS NEEDED | | SOIL TYPE |
| | CULVERT WATERBAR | | TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION |

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. 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.
- 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.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
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- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
- EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES: 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 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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- 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 | DWN. | CHKD. | APPD. | DESCRIPTION |
|-----|------|------|-------|-------|-------------|
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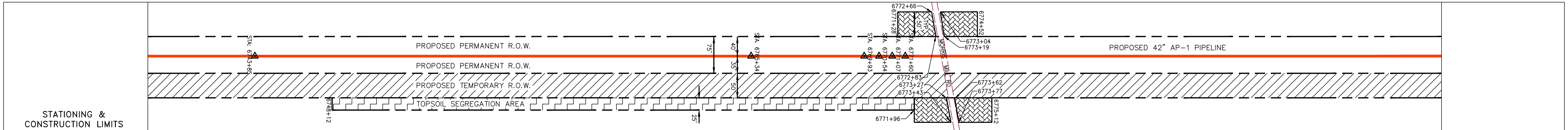
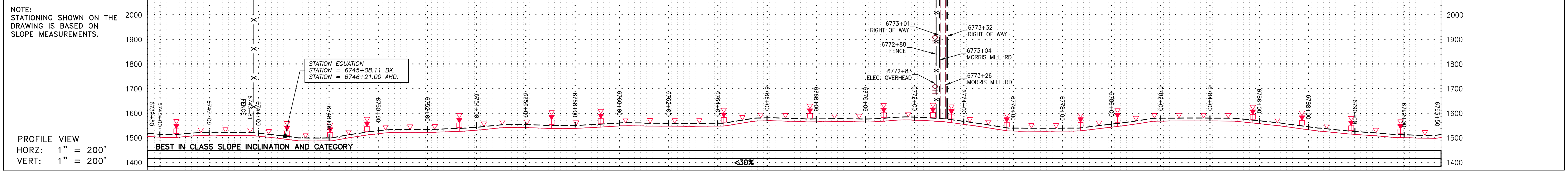
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

CONSTRUCTION ALIGNMENT STA 6688+50 TO 6739+50
AUGUSTA COUNTY, VIRGINIA

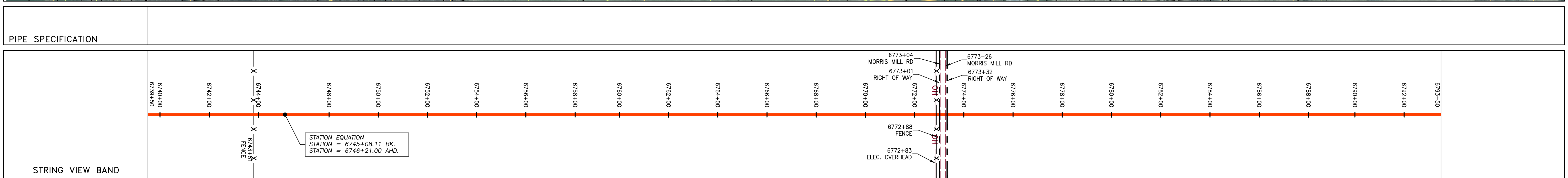
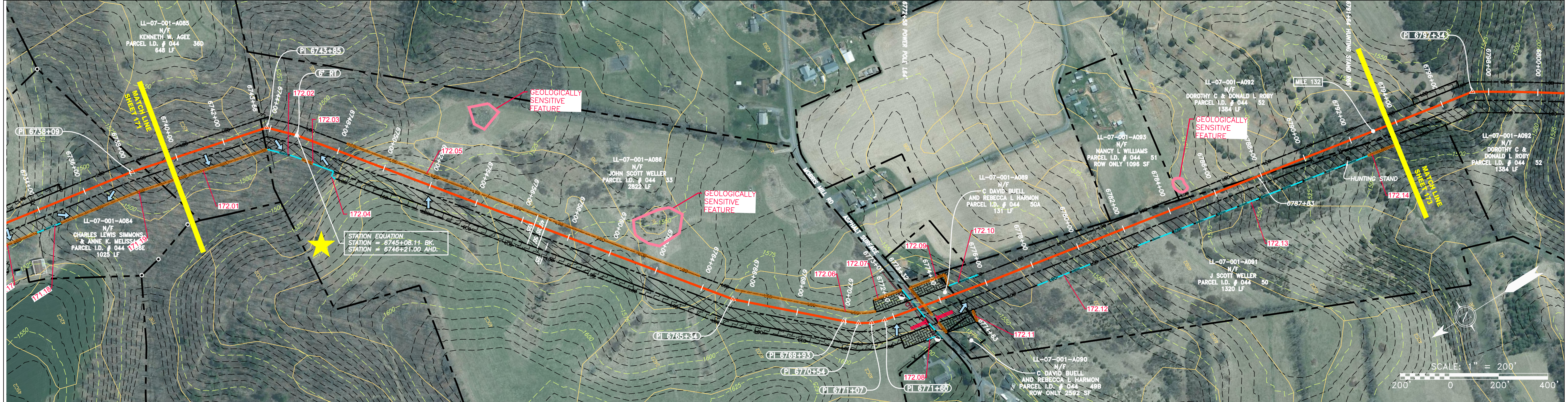
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CHECKED: DLH
APPROVED: NET

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

| | |
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| PROJECT NO./DASH NO. | 140468 |
| TASK NO. SUB TASK NO. | 005 00 |
| GROUP ID DRAWING NO. | D E171 |
| 171 OF 344 | |



| Stationing | Property Ownership |
|------------|--|
| 6737+18 | LL-07-001-A085 N/F KENNETH W. AGE PARCEL I.D. # 044 360 648 LF |
| 6737+36 | LL-07-001-A086 N/F JOHN SCOTT WELLER PARCEL I.D. # 044 33 2822 LF |
| 6737+54 | LL-07-001-A089 N/F C. DAVID BUELL AND REBECCA L. HARMON PARCEL I.D. # 044 50A 131 LF |
| 6737+66 | LL-07-001-A090 N/F C. DAVID BUELL AND REBECCA L. HARMON PARCEL I.D. # 044 49B ROW ONLY 2592 SF |
| 6737+88 | LL-07-001-A091 N/F J. SCOTT WELLER PARCEL I.D. # 044 50 1320 LF |
| 6737+90 | LL-07-001-A093 N/F NANCY L. WILLIAMS PARCEL I.D. # 044 51 ROW ONLY 1096 SF |
| 6737+92 | LL-07-001-A092 N/F DOROTHY C. & DONALD L. ROBY PARCEL I.D. # 044 52 1384 LF |
| 6737+96 | LL-07-001-A088 N/F CHARLES LEVINS SIMMONS & ANNE K. MELISSA PARCEL I.D. # 044 1025 LF |



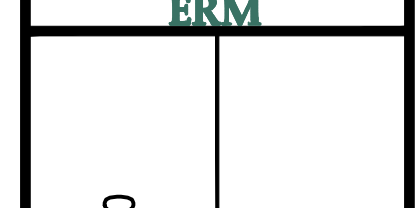
LEGEND

| | | | |
|------------------------|--|---|--|
| PROPERTY LINE | STORM SEWER | EXTRA WORK SPACE | TOPSOIL SEGREGATION AREA |
| FENCE | UNDERGROUND ELECTRIC | AREA OF NO DISTURBANCE | PROPOSED TEMPORARY R.O.W. |
| STREAM | WATER LINE | WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) | UTILITY POLE |
| 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). | |
| OVERHEAD UTILITY LINES | EDGE OF GRAVEL | PERMANENT WATERBAR/SLOPE BREAKER | LIMIT OF DISTURBANCE |
| ACCESS ROAD | PROPOSED PERMANENT EASEMENT | TEMPORARY WATERBAR/SLOPE BREAKER | BELTED SILT RETENTION FENCE (BSRF) |
| PROPOSED GAS PIPELINE | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | STREAM CROSSING | COMPOSITE FILTER SOCK |
| | | USFS CROSS CUTTING WITH ENHANCED CONTROLS | SEDIMENT BARRIER IDENTIFICATION |
| | | SLOPE DIRECTION | CULVERT IDENTIFICATION |
| | | SLOPE ENTRANCE WITH DITCH | ORANGE SAFETY FENCE |
| | | CULVERT WATERBAR | ROADSIDE DITCH |
| | | | SOIL TYPE |
| | | | TYPICAL BIG SLOPE CATEGORY SLOPE BREAKER |

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- 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 |
|-----|------|----|-------|-------|-------------|
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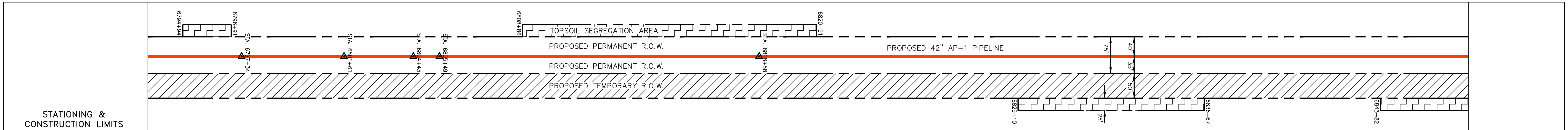
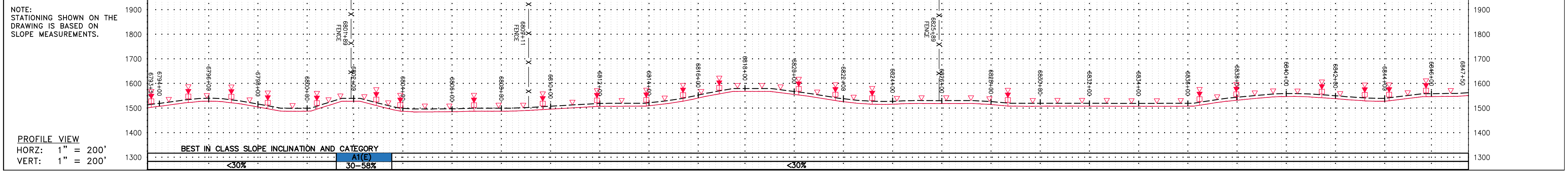
42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 6739+50 TO 6793+50
 AUGUSTA COUNTY, VIRGINIA

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

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

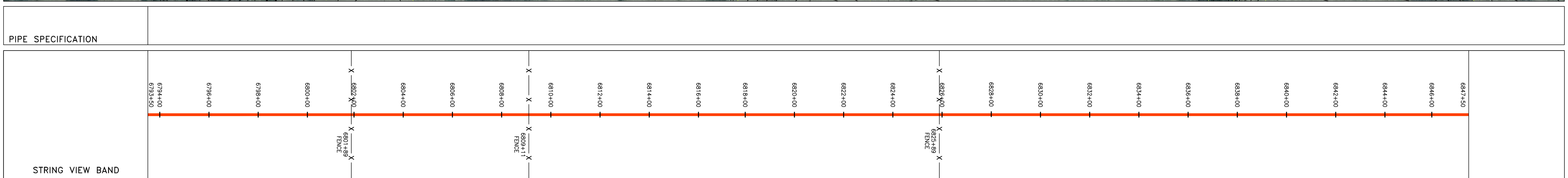
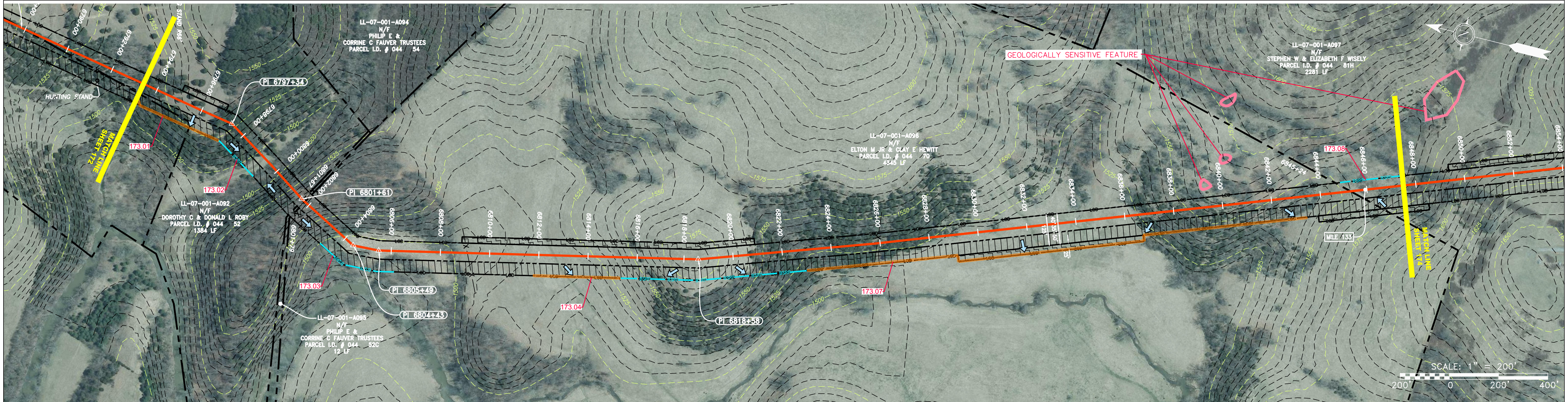


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| PROJECT NO./DASH NO. | 140468 |
| TASK NO. SUB TASK NO. | 005 00 |
| GROUP ID DRAWING NO. | D E172 |
| 172 OF 344 | |



PROPERTY OWNERSHIP table listing parcel owners and their details:

| | | | |
|--|--|--|---|
| LL-07-001-A092 DOROTHY C & DONALD L ROBY PARCEL I.D. # 044 52 1384 LF | LL-07-001-A095 N/F PHILIP E & CORRINE C FAUVER TRUSTEES PARCEL I.D. # 044 52C 12 LF | LL-07-001-A096 N/F ELTON M JR & CLAY E HEWITT PARCEL I.D. # 044 70 4345 LF | LL-07-001-A097 N/F STEPHEN W & ELIZABETH F WISELY PARCEL I.D. # 044 81H 2281 LF |
|--|--|--|---|



LEGEND

| | | | | | | | |
|-----------|--|---------|-----------------------------|----------|------------------------|----------|---------------------------|
| — X — X — | PROPERTY LINE | — E — | STORM SEWER | [Symbol] | EXTRA WORK SPACE | [Symbol] | TOPSOIL SEGREGATION AREA |
| — X — X — | FENCE | — W — | UNDERGROUND ELECTRIC | [Symbol] | AREA OF NO DISTURBANCE | [Symbol] | PROPOSED TEMPORARY R.O.W. |
| — G — G — | EXISTING GAS PIPELINE | — SAN — | WATER LINE | [Symbol] | WETLAND | [Symbol] | UTILITY POLE |
| — OH — | OVERHEAD UTILITY LINES | — | SANITARY SEWER | [Symbol] | [Symbol] | [Symbol] | [Symbol] |
| — | ACCESS ROAD | — | EDGE OF GRAVEL | [Symbol] | [Symbol] | [Symbol] | [Symbol] |
| — | PROPOSED GAS PIPELINE | — | PROPOSED PERMANENT EASEMENT | [Symbol] | [Symbol] | [Symbol] | [Symbol] |
| — | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | — | PROPOSED PERMANENT R.O.W. | [Symbol] | [Symbol] | [Symbol] | [Symbol] |

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- BEST IN CLASS (BIC) SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
- EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 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 WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.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:

| NO. | DATE | DWN. | CHKD. | APPVD. | DESCRIPTION |
|-----|------|------|-------|--------|-------------|
| | | | | | |

Professional Engineer seal for Daniel R. Goldstein, License No. 047436. Firm: Atlantic Coast Pipeline, LLC, C/O Dominion Transmission, Inc., 925 White Oaks Blvd., Bridgeport, WV 26330.

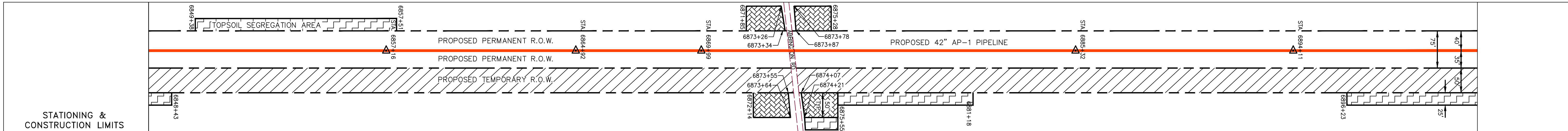
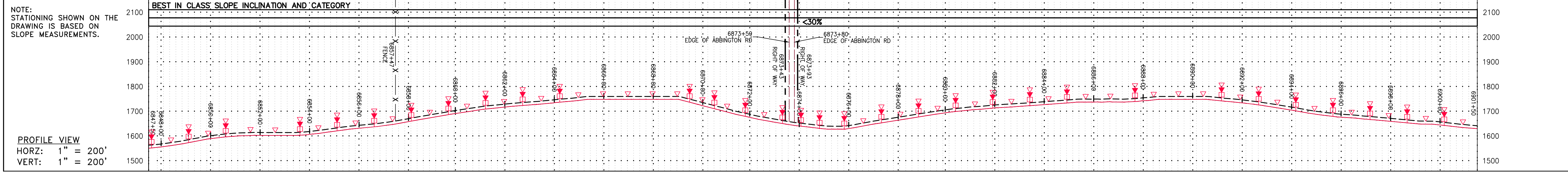
Scale and Date information:

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| DRAWN: | GPT |
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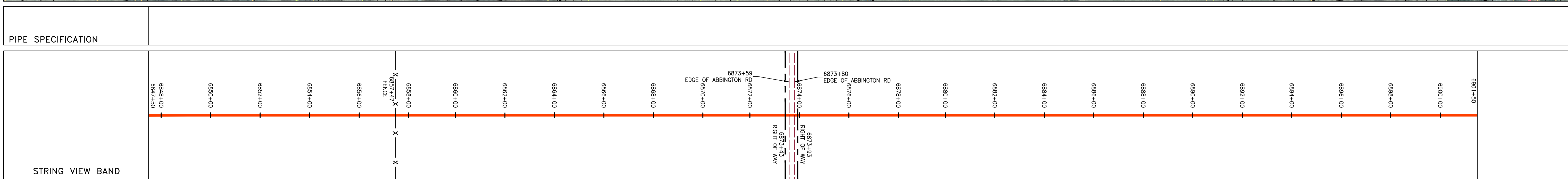
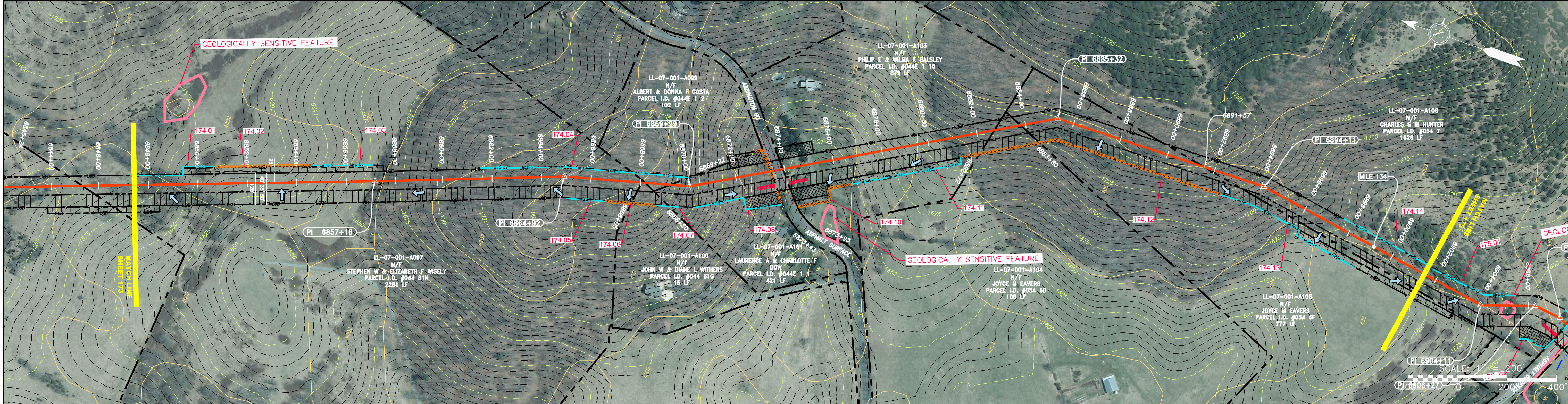
gai consultants logo and address: Southpointe Office, 6000 Town Center Blvd., Canonsburg, PA 15317, 724-873-3545.

PROJECT, TASK, GROUP, and DRAWING information:

| | |
|----------------------|--------|
| PROJECT NO./DASH NO. | 140468 |
| TASK NO. | 005 |
| SUB TASK NO. | 00 |
| GROUP ID | D |
| DRAWING NO. | E173 |
| DRAWING OF | 344 |



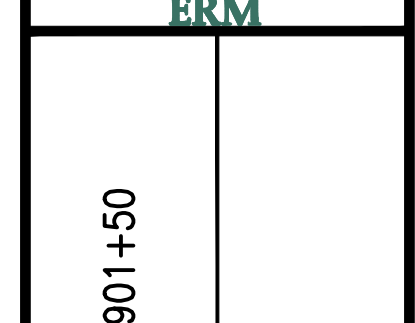
| PROPERTY OWNERSHIP | STATIONING & CONSTRUCTION LIMITS |
|--|---|
| LL-07-001-A097 N/F STEPHEN W & ELIZABETH F WISELY PARCEL I.D. #044 81H 2281 LF | STA 6854+24 STA 6857+16 STA 6864+00 STA 6873+26 STA 6873+34 STA 6873+55 STA 6873+64 STA 6873+80 STA 6873+87 STA 6882+72 STA 6883+80 STA 6891+57 STA 6907+83 |
| LL-07-001-A100 N/F JOHN W & DIANE L WITHERS PARCEL I.D. #044 81G 15 LF | STA 6873+87 STA 6873+99 STA 6882+72 STA 6883+80 STA 6891+57 STA 6907+83 |
| LL-07-001-A101 N/F LAURENCE A & CHARLOTTE F DOW PARCEL I.D. #044E 1 1 421 LF | STA 6873+99 STA 6882+72 STA 6883+80 STA 6891+57 STA 6907+83 |
| LL-07-001-A103 N/F PHILIP E & WILMA K BALSLEY PARCEL I.D. #044E 1 16 879 LF | STA 6882+72 STA 6883+80 STA 6891+57 STA 6907+83 |
| LL-07-001-A104 N/F JOYCE M EAVERS PARCEL I.D. #054 6D 108 LF | STA 6883+80 STA 6891+57 STA 6907+83 |
| LL-07-001-A105 N/F JOYCE M EAVERS PARCEL I.D. #054 6F 777 LF | STA 6891+57 STA 6907+83 |
| LL-07-001-A106 N/F CHARLES S III HUNTER PARCEL I.D. #054 7 1626 LF | STA 6907+83 |



LEGEND

| | | | | | |
|--|---|--|---|--|--|
| <ul style="list-style-type: none"> PROPERTY LINE FENCE STREAM EXISTING GAS PIPELINE OVERHEAD UTILITY LINES PROPOSED GAS PIPELINE | <ul style="list-style-type: none"> STORM SEWER UNDERGROUND ELECTRIC WATER LINE SAN SANITARY SEWER EDGE OF GRAVEL PROPOSED PERMANENT EASEMENT PROPOSED GAS PIPELINE (NO GROUND SURVEY) | <ul style="list-style-type: none"> EXTRA WORK SPACE TOPSOIL SEGREGATION AREA AREA OF NO DISTURBANCE PROPOSED TEMPORARY R.O.W. WETLAND UTILITY POLE | <ul style="list-style-type: none"> PERMANENT WATERBAR/SLOPE BREAKER TEMPORARY WATERBAR/SLOPE BREAKER TRENCH BREAKER/PLUG STREAM CROSSING USFS STREAM CROSSING WITH ENHANCED CONTROLS SEEP SLOPE DIRECTION CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED CULVERT WATERBAR | <ul style="list-style-type: none"> LOD BSRF 111.03 C 111.001 ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION | <p>NOTES:</p> <ol style="list-style-type: none"> COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014. 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. IMAGERY TAKEN FROM GOOGLE EARTH. 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. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. ALL STATIONING SHOWN IS SLOPE STATIONING. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. 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.4.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.4.5. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS. |
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| NO. | DATE | APPD. | CHKD. | DESCRIPTION |
|-----|------|-------|-------|-------------|
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42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA: 6847+50 TO 6901+50
 AUGUSTA COUNTY, VIRGINIA
 ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

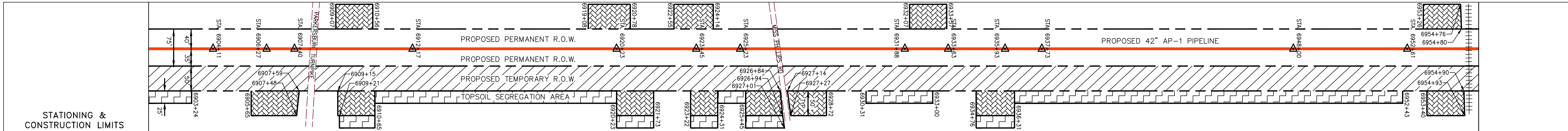
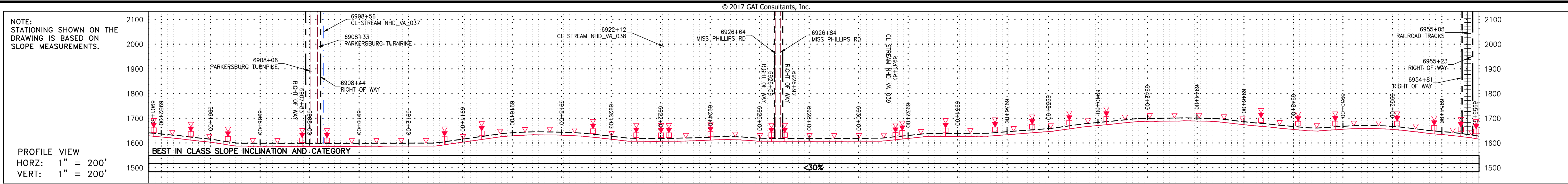
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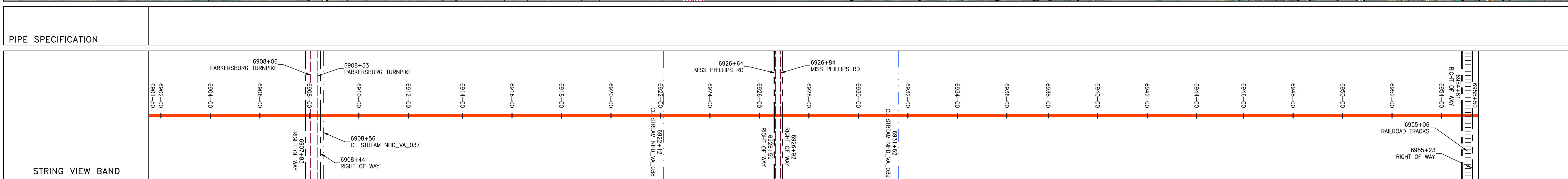
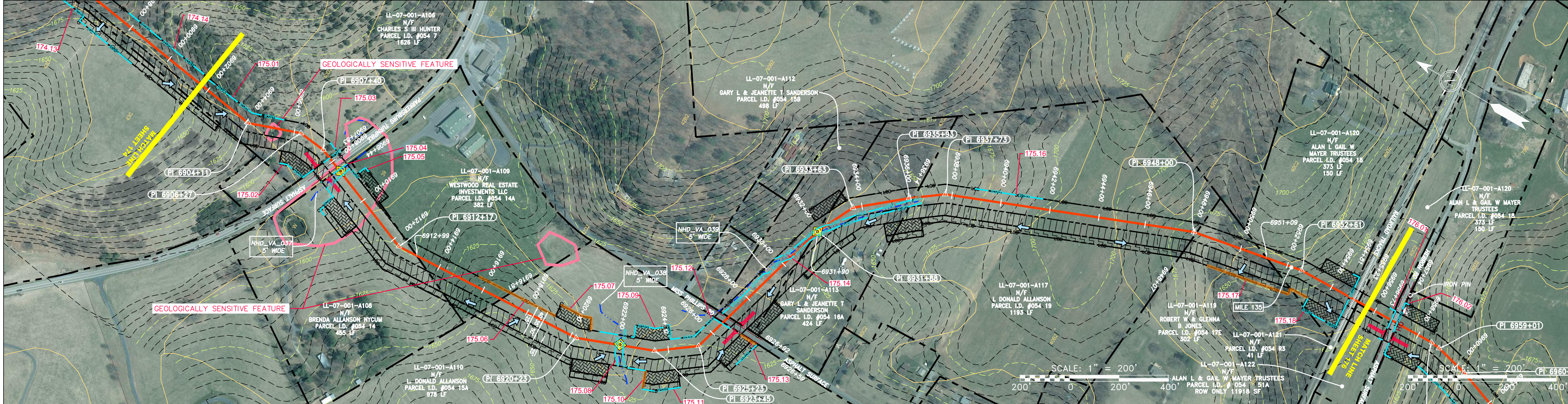
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| PROJECT NO./DASH NO. | 140468 |
| TASK NO. SUB TASK NO. | 005 00 |
| GROUP ID DRAWING NO. | D E143 |
| 14 OF 344 | |

GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 3\RR SHEETS 174-178 (31-35).DWG

GAI CAD FILE NO. \ITG-FS1\THRASHER\050-5159 - GAI, INC. - GAI - THRASHER - SERP - MAPPING SURVEY DRAWING SEC 3\RR SHEETS 174-178 (31-35).DWG



| PROPERTY OWNERSHIP | PROPERTY OWNERSHIP | PROPERTY OWNERSHIP | PROPERTY OWNERSHIP | PROPERTY OWNERSHIP | PROPERTY OWNERSHIP | PROPERTY OWNERSHIP | PROPERTY OWNERSHIP | PROPERTY OWNERSHIP | PROPERTY OWNERSHIP |
|--|---|---|--|--|--|--|--|--|---|
| LL-07-001-A106 N/F CHARLES S III HUNTER PARCEL I.D. #054 7 1626 LF | LL-07-001-A108 N/F BRENDA ALLANSON NYCUM PARCEL I.D. #054 14 455 LF | LL-07-001-A109 N/F WESTWOOD REAL ESTATE INVESTMENTS LLC PARCEL I.D. #054 14A 382 LF | LL-07-001-A110 N/F L DONALD ALLANSON PARCEL I.D. #054 15A 978 LF | LL-07-001-A112 N/F GARY L & JEANETTE T SANDERSON PARCEL I.D. #054 15B 498 LF | LL-07-001-A113 N/F GARY L & JEANETTE T SANDERSON PARCEL I.D. #054 16A 424 LF | LL-07-001-A117 N/F L DONALD ALLANSON PARCEL I.D. #054 19 1193 LF | LL-07-001-A119 N/F ROBERT W & GLENNA B JONES PARCEL I.D. #054 17E 302 LF | LL-07-001-A120 N/F ALAN L GAIL W MAYER TRUSTEES PARCEL I.D. #054 18 373 LF | LL-07-001-A121 N/F ALAN L & GAIL W MAYER TRUSTEES PARCEL I.D. #054 R3 41 LF |



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|--|--|---|--|---|--|
| <p>LEGEND</p> <p>PROPERTY LINE</p> <p>FENCE</p> <p>STREAM</p> <p>EXISTING GAS PIPELINE</p> <p>OVERHEAD UTILITY LINES</p> <p>ACCESS ROAD</p> <p>PROPOSED GAS PIPELINE</p> <p>STORM SEWER</p> <p>UNDERGROUND ELECTRIC</p> <p>WATER LINE</p> <p>SAN</p> <p>SANITARY SEWER</p> <p>EDGE OF GRAVEL</p> <p>PROPOSED PERMANENT EASEMENT</p> <p>PROPOSED GAS PIPELINE (NO GROUND SURVEY)</p> | <p>EXTRA WORK SPACE</p> <p>TOPSOIL SEGREGATION AREA</p> <p>AREA OF NO DISTURBANCE</p> <p>WETLAND</p> <p>UTILITY POLE</p> <p>NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).</p> | <p>PERMANENT WATERBAR/SLOPE BREAKER</p> <p>TEMPORARY WATERBAR/SLOPE BREAKER</p> <p>TRENCH BREAKER/PLUG</p> <p>STREAM CROSSING</p> <p>USFWS STREAM CROSSING WITH ENHANCED CONTROLS</p> <p>SEEP</p> <p>SLOPE DIRECTION</p> <p>CONSTRUCTION ENTRANCE WITH DITCH</p> <p>CULVERT AS NEEDED</p> <p>CULVERT WATERBAR</p> | <p>LOD</p> <p>BSRF</p> <p>111.03</p> <p>C 111.001</p> <p>SOIL TYPE</p> <p>TYPICAL BIG SLOPE CATEGORY</p> <p>30-58%</p> | <p>LIMIT OF DISTURBANCE</p> <p>BELTED SILT RETENTION FENCE (BSRF)</p> <p>COMPOST FILTER SOCK</p> <p>SEDIMENT BARRIER IDENTIFICATION</p> <p>CULVERT IDENTIFICATION</p> <p>ORANGE SAFETY FENCE</p> <p>ROADSIDE DITCH</p> | <p>NOTES:</p> <p>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.</p> <p>2. THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.</p> <p>3. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.</p> <p>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.</p> <p>5. ALL STATIONING SHOWN IS SLOPE STATIONING.</p> <p>6. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.</p> <p>7. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.</p> <p>8. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.</p> <p>9. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND 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.</p> <p>10. ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.</p> <p>11. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.4.S FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.4.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.</p> |
|--|--|---|--|---|--|

| NO. | DATE | BY | CHKD. | APPD. | DESCRIPTION |
|-----|------|----|-------|-------|-------------|
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42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA: 6901+50 TO 6955+50

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

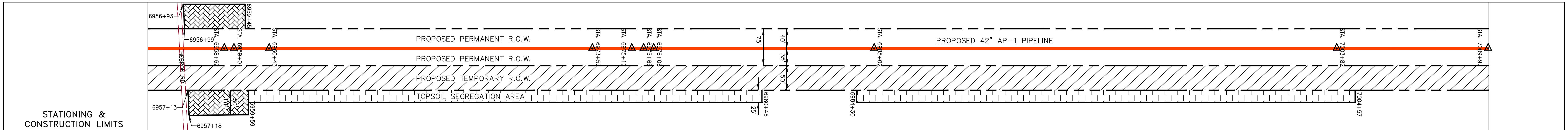
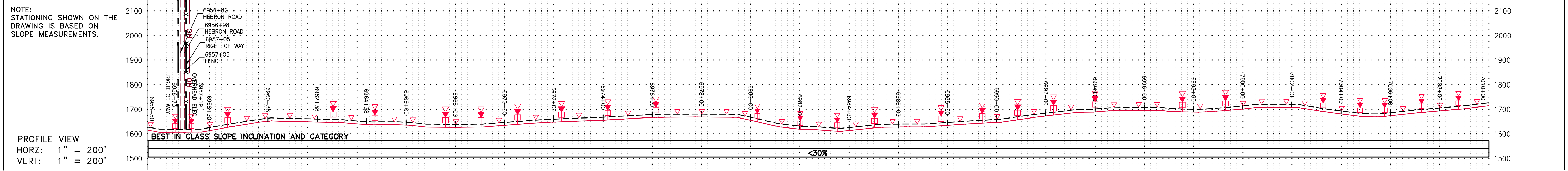
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 DATE: 3/24/17
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET

PROJECT NO./DASH NO.
140468

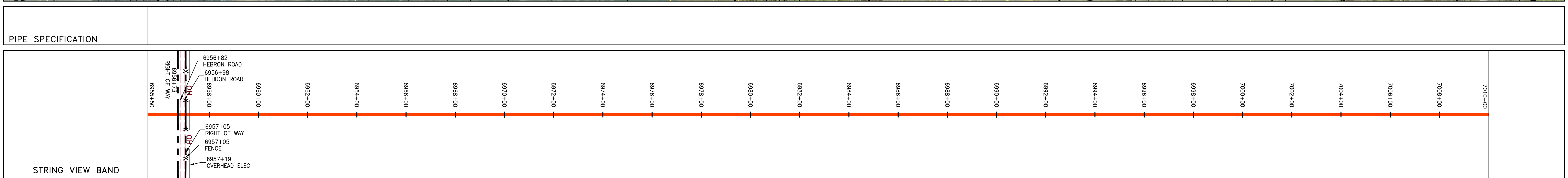
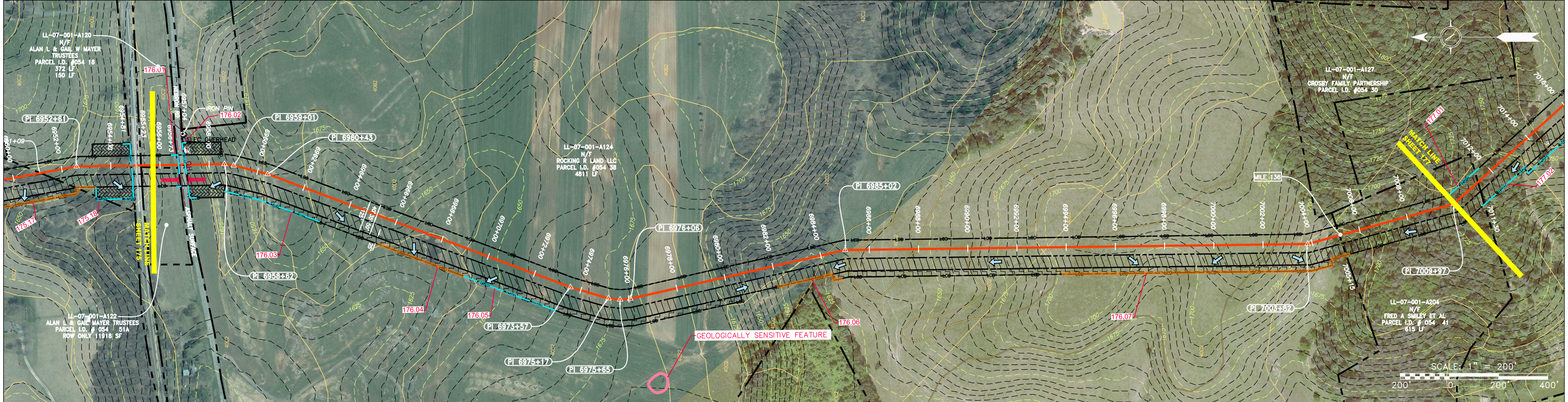
TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E175

17 OF 344



| PROPERTY OWNERSHIP | STATIONING | DESCRIPTION |
|---|--------------------|-------------|
| LL-07-001-A120 N/F ALAN L & GAIL W MAYER TRUSTEES PARCEL I.D. #054 18 150 LF | 6955+00 to 6957+13 | |
| LL-07-001-A122 N/F ALAN L & GAIL W MAYER TRUSTEES PARCEL I.D. # 054 51A ROW ONLY 11918 SF | 6957+13 to 6975+17 | |
| LL-07-001-A124 N/F ROCKING R LAND LLC PARCEL I.D. #054 38 4811 LF | 6975+17 to 7004+15 | |
| LL-07-001-A204 N/F FRED A SMILEY ET AL PARCEL I.D. # 054 41 615 LF | 7004+15 to 7010+00 | |



| | | |
|--|---|--|
| <p>LEGEND</p> <ul style="list-style-type: none"> PROPERTY LINE FENCE STREAM EXISTING GAS PIPELINE OVERHEAD UTILITY LINES ACCESS ROAD PROPOSED GAS PIPELINE STORM SEWER UNDERGROUND ELECTRIC WATER LINE SAN SANITARY SEWER EDGE OF GRAVEL PROPOSED PERMANENT EASEMENT PROPOSED GAS PIPELINE (NO GROUND SURVEY) EXTRA WORK SPACE TOPSOIL SEGREGATION AREA AREA OF NO DISTURBANCE WETLAND UTILITY POLE | <ul style="list-style-type: none"> PERMANENT WATERBAR/SLOPE BREAKER TEMPORARY WATERBAR/SLOPE BREAKER TRENCH BREAKER/PLUG STREAM CROSSING USFWS STREAM CROSSING WITH ENHANCED CONTROLS SEEP SLOPE DIRECTION CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED CULVERT WATERBAR LOD BSRF COMPOST FILTER SOCK SEDIMENT BARRIER IDENTIFICATION CULVERT IDENTIFICATION ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION | <p>NOTES:</p> <ol style="list-style-type: none"> COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014. IMAGERY TAKEN FROM GOOGLE EARTH. THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. ALL STATIONING SHOWN IS SLOPE STATIONING. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE; DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4. ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMS AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.A.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. |
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| NO. | DATE | APPD. | CHKD. | DESCRIPTION |
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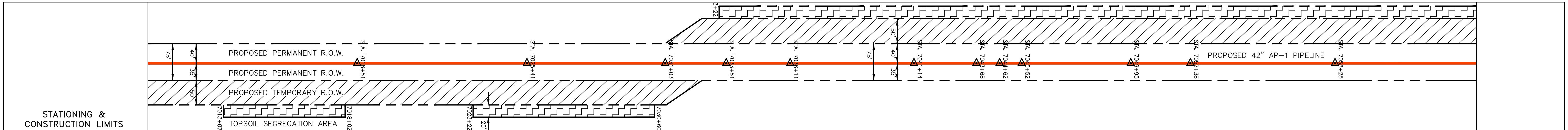
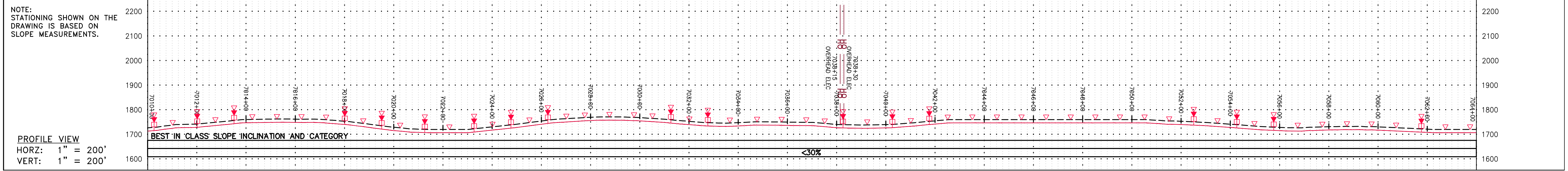
Daniel R. Goldstein
 DANIEL R. GOLDSTEIN
 Lic. No. 047436
 PROFESSIONAL ENGINEER

| | |
|-----------|----------|
| SCALE: | AS SHOWN |
| DATE: | 3/24/17 |
| DRAWN: | GPT |
| CHECKED: | DLH |
| APPROVED: | NET |

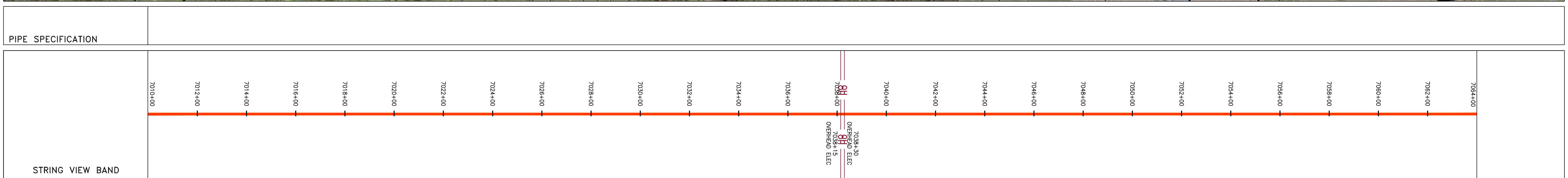
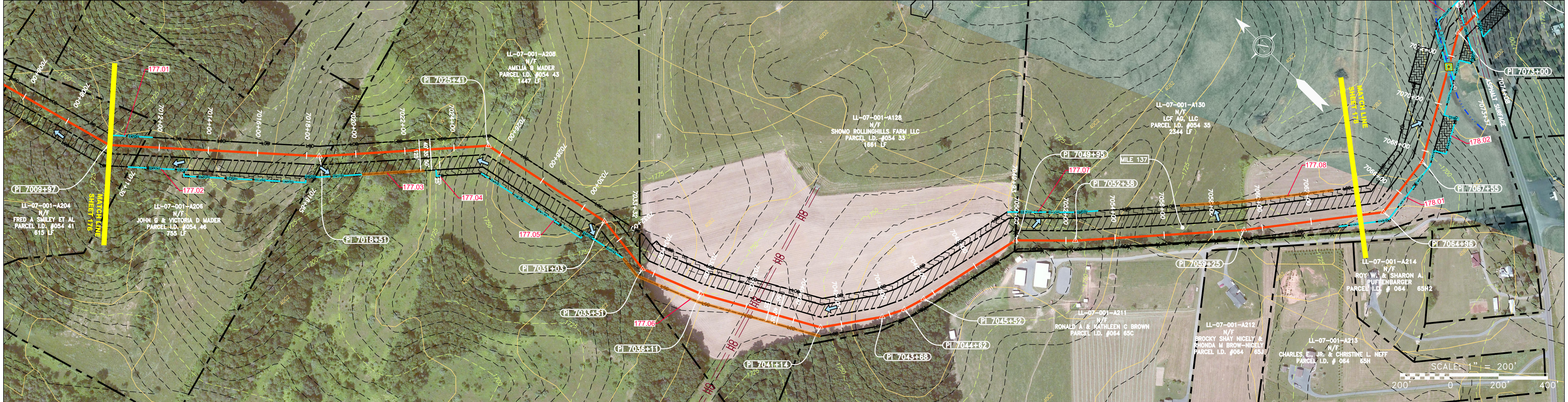
SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

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| PROJECT NO./DASH NO. | 140468 |
| TASK NO. SUB TASK NO. | 005 00 |
| GROUP ID DRAWING NO. | D E176 |
| 176 OF 344 | |

GAI CAD FILE NO. \ITG-FS1\THRASHER\050-5159 - GAI - THRASHER - MAPPING SURVEY DRAWING\SEC 3\RR SHEETS 174-178 (31-35).DWG



| PROPERTY OWNERSHIP | 7010+00 | 7011+30 | 7018+85 | 7023+32 | 7033+32 | 7049+33 | 7073+37 |
|---|---|---|--|--|---|--|---------|
| LL-07-001-A204 N/F FRED A SMILEY ET AL PARCEL I.D. #054 41 615 LF | LL-07-001-A206 N/F JOHN G & VICTORIA D MADER PARCEL I.D. #054 46 755 LF | LL-07-001-A208 N/F AMELIA B MADER PARCEL I.D. #054 43 1447 LF | LL-07-001-A128 N/F SHOMO ROLLINGHILLS FARM LLC PARCEL I.D. #054 33 1661 LF | LL-07-001-A130 N/F LCF AG, LLC PARCEL I.D. #054 35 2344 LF | LL-07-001-A214 N/F ROY W. & SHARON A. I PARCEL I.D. # 064 65H2 | LL-07-001-A213 N/F CHARLES E. JR. & CHRISTINE L. NGFF PARCEL I.D. # 064 65H | |



LEGEND

| | | | |
|------------------------|--|---|---|
| PROPERTY LINE | STORM SEWER | EXTRA WORK SPACE | TOPSOIL SEGREGATION AREA |
| FENCE | UNDERGROUND ELECTRIC | AREA OF NO DISTURBANCE | PROPOSED TEMPORARY R.O.W. |
| STREAM | WATER LINE | WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) | UTILITY POLE |
| 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). | |
| OVERHEAD UTILITY LINES | EDGE OF GRAVEL | PERMANENT WATERBAR/SLOPE BREAKER | TEMPORARY WATERBAR/SLOPE BREAKER |
| ACCESS ROAD | PROPOSED PERMANENT EASEMENT | STREAM CROSSING | USFS STREAM CROSSING WITH ENHANCED CONTROLS |
| PROPOSED GAS PIPELINE | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | SLOPE DIRECTION | CONSTRUCTION ENTRANCE WITH DITCH |
| | | 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 |
| | | TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION | |

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
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- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
- EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP 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.
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- THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.4.S FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.4.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 |
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ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

CONSTRUCTION ALIGNMENT STA: 7010+00 TO 7064+00

AUGUSTA COUNTY, VIRGINIA

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

gai consultants

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

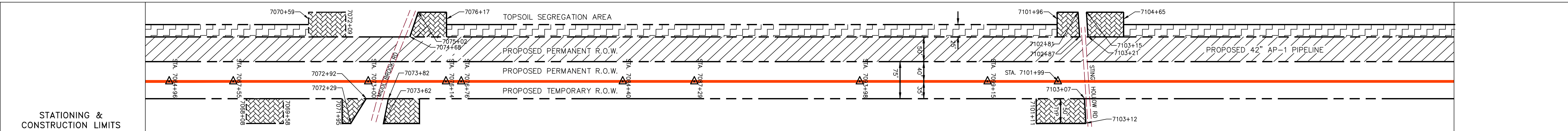
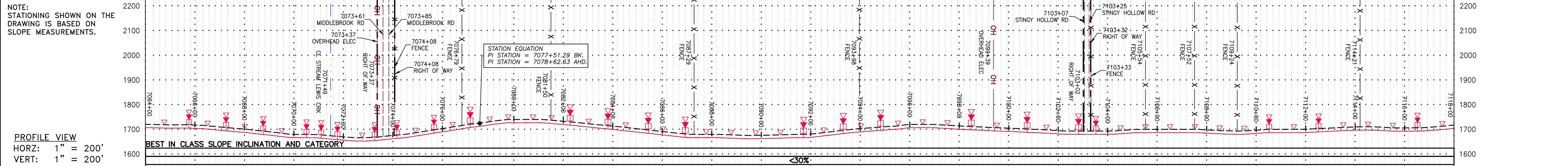
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140468

TASK NO. SUB TASK NO.
005 00

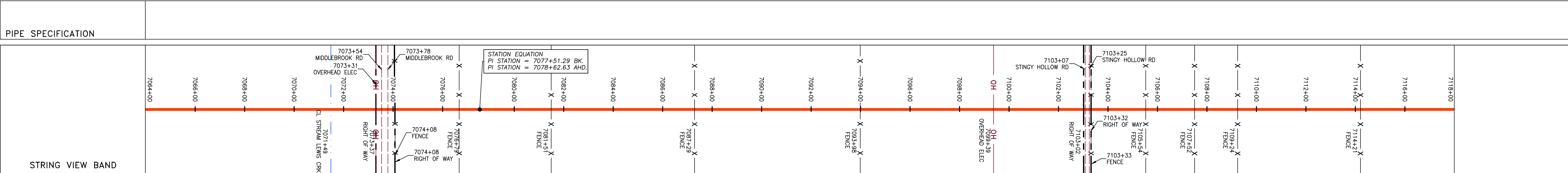
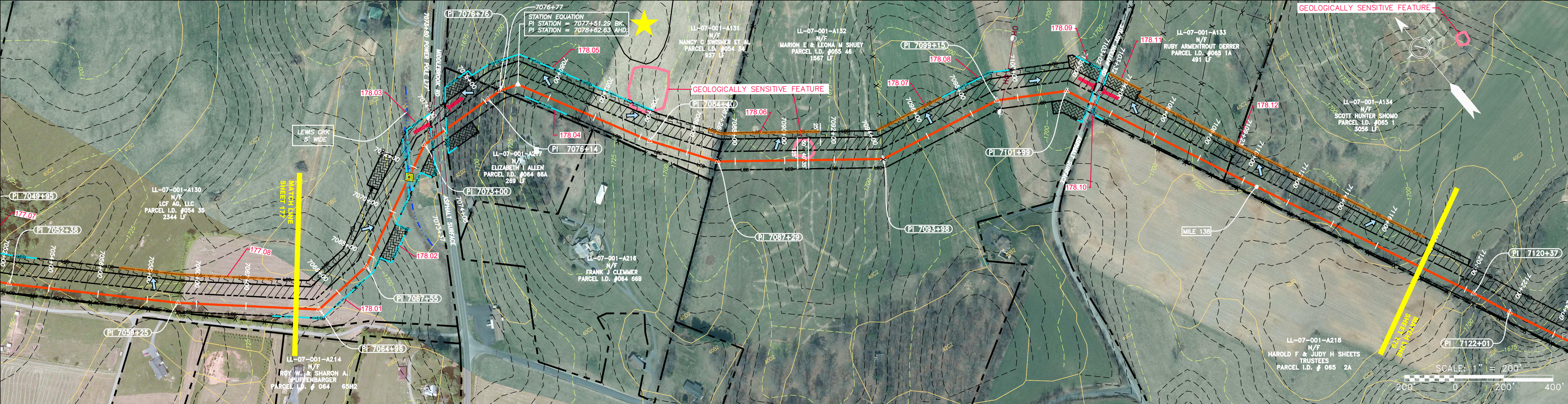
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D E177

177 OF 344

GAI CAD FILE NO. \\\TTC-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - MAPPING SURVEY DRAWING SEC 3\RR SHEETS 174-178 (31-35).DWG



| PROPERTY OWNERSHIP | STATIONING & CONSTRUCTION LIMITS |
|---|----------------------------------|
| LL-07-001-A130 N/F LCF AG, LLC PARCEL I.D. #054 35 2344 LF | 7070+59 to 7072+92 |
| LL-07-001-A217 N/F ELIZABETH I ALLEN PARCEL I.D. #064 66A 269 LF | 7072+92 to 7073+62 |
| LL-07-001-A131 N/F FRANCES L CARICOFFE PARCEL I.D. #054 34 937 LF | 7073+62 to 7087+28 |
| LL-07-001-A132 N/F MARION E & LEONA M SHUEY PARCEL I.D. #055 46 1592 LF | 7087+28 to 7101+99 |
| LL-07-001-A133 N/F J LLOYD & RUBY ARMENTROUT DERRER PARCEL I.D. #065 1A 491 LF | 7101+99 to 7104+65 |
| LL-07-001-A134 N/F SCOTT HUNTER SHOMO PARCEL I.D. #065 1 3056 LF | 7104+65 to 7140+39 |



LEGEND

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

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
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NOTES:

- LIMIT OF DISTURBANCE
- BELTED SILT RETENTION FENCE (BSRF)
- COMPOST FILTER SOCK
- SEDIMENT BARRIER IDENTIFICATION
- CULVERT IDENTIFICATION
- ORANGE SAFETY FENCE
- ROADSIDE DITCH
- SOIL TYPE
- TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION

NOTES:

- PERMANENT WATERBAR/SLOPE BREAKER
- TEMPORARY WATERBAR/SLOPE BREAKER
- TRENCH BREAKER/PLUG
- STREAM CROSSING WITH ENHANCED CONTROLS
- SEEP
- SLOPE DIRECTION
- CONSTRUCTION ENTRANCE WITH DITCH
- CULVERT WATERBAR

REVISIONS

| NO. | DATE | DWN. | CHKD. | APPVD. | DESCRIPTION |
|-----|------|------|-------|--------|-------------|
| | | | | | |

PROFESSIONAL ENGINEER

 DANIEL R. GOLDSTEIN
 Lic. No. 047436

ERM

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

42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA: 7064+00 TO 7118+00
 AUGUSTA COUNTY, VIRGINIA

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

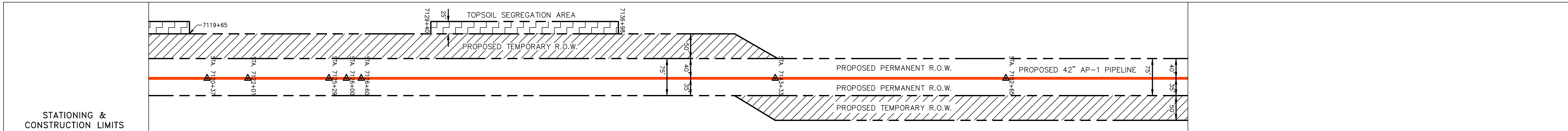
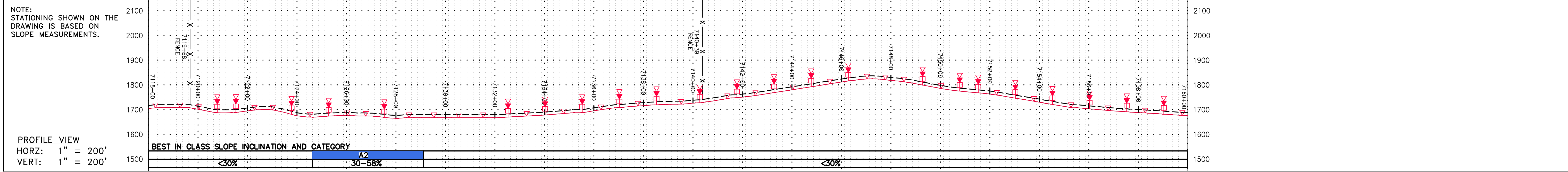
gai consultants
 SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

PROJECT NO./DASH NO.
140468

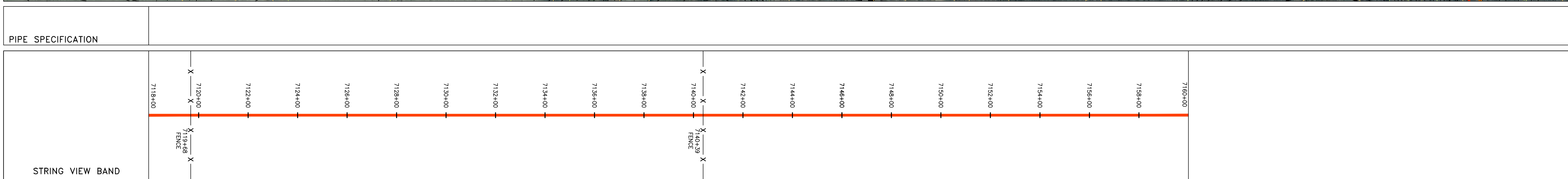
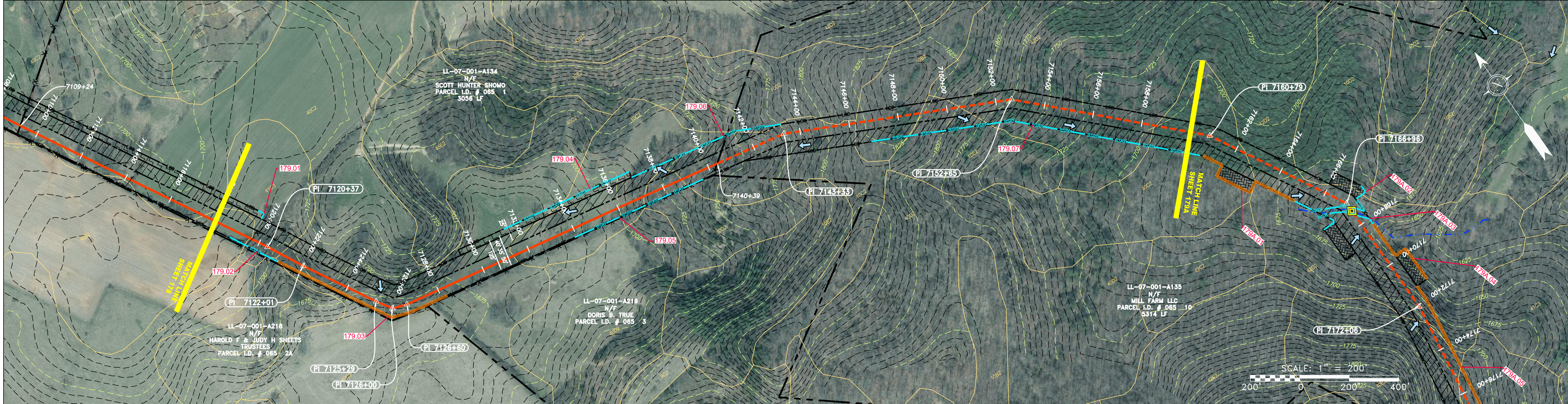
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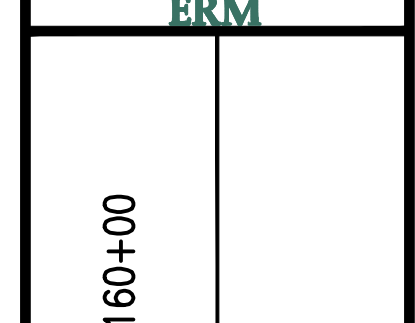


| STATIONING & CONSTRUCTION LIMITS | PROPERTY OWNERSHIP |
|----------------------------------|---|
| 7109+24 | LL-07-001-A134 N/F SCOTT HUNTER SHOMO PARCEL I.D. # 065 1 3056 LF |
| 7140+39 | LL-07-001-A135 N/F MILL FARM LLC PARCEL I.D. # 065 10 5314 LF |
| 7160+00 | |



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|--|---|---|
| <p>LEGEND</p> <p>— X — X — PROPERTY LINE</p> <p>— F — FENCE</p> <p>— G — G — EXISTING GAS PIPELINE</p> <p>— OH — OH — OVERHEAD UTILITY LINES</p> <p>— — — PROPOSED GAS PIPELINE</p> <p>— — — PROPOSED GAS PIPELINE (NO GROUND SURVEY)</p> <p>— E — STORM SEWER</p> <p>— W — UNDERGROUND ELECTRIC</p> <p>— W — WATER LINE</p> <p>— SAN — SANITARY SEWER</p> <p>— — — EDGE OF GRAVEL</p> <p>— — — PROPOSED PERMANENT EASEMENT</p> <p>— — — PROPOSED PERMANENT R.O.W.</p> <p>— — — TOPSOIL SEGREGATION AREA</p> <p>— — — AREA OF NO DISTURBANCE</p> <p>— — — WETLAND</p> <p>— — — UTILITY POLE</p> <p>— — — LIMIT OF DISTURBANCE</p> <p>— — — BELTED SILT RETENTION FENCE (BSRF)</p> <p>— — — COMPOST FILTER SOCK</p> <p>— — — SEDIMENT BARRIER IDENTIFICATION</p> <p>— — — CULVERT IDENTIFICATION</p> <p>— — — ORANGE SAFETY FENCE</p> <p>— — — ROADSIDE DITCH</p> <p>— — — SOIL TYPE</p> <p>— — — TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION</p> | <p>▲ PERMANENT WATERBAR/SLOPE BREAKER</p> <p>▲ TEMPORARY WATERBAR/SLOPE BREAKER</p> <p>▲ TRENCH BREAKER/PLUG</p> <p>▲ STREAM CROSSING</p> <p>▲ USFWS STREAM CROSSING WITH ENHANCED CONTROLS</p> <p>▲ SEEP</p> <p>▲ SLOPE DIRECTION</p> <p>▲ CONSTRUCTION ENTRANCE WITH DITCH</p> <p>▲ CULVERT AS NEEDED</p> <p>▲ CULVERT WATERBAR</p> <p>— LOD — LIMIT OF DISTURBANCE</p> <p>— BSRF — BELTED SILT RETENTION FENCE (BSRF)</p> <p>— C 111.03 — COMPOST FILTER SOCK</p> <p>— C 111.001 — SEDIMENT BARRIER IDENTIFICATION</p> <p>— CULVERT IDENTIFICATION</p> <p>— ORANGE SAFETY FENCE</p> <p>— ROADSIDE DITCH</p> <p>— SOIL TYPE</p> <p>— TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION</p> | <p>NOTES:</p> <p>1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. SURVEY FOOT, CENTRAL MERIDIAN 81° W.</p> <p>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.</p> <p>3. IMAGERY TAKEN FROM GOOGLE EARTH.</p> <p>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.</p> <p>5. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.</p> <p>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.</p> <p>7. ALL STATIONING SHOWN IS SLOPE STATIONING.</p> <p>8. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.</p> <p>9. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.</p> <p>10. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.</p> <p>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.</p> <p>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.</p> <p>13. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.5.5. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.</p> |
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| NO. | DATE | BY | CHKD. | APPVD. | DESCRIPTION |
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ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

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



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| PROJECT NO./DASH NO. | 140468 |
| TASK NO. SUB TASK NO. | 005 00 |
| GROUP ID DRAWING NO. | D E179 |
| 179 OF 344 | |

GAI CAD FILE NO. \NTG-FS1\THRASHER_050-5159 - GAI, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 3\RR SHEETS 179-183 (36-40).DWG