

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 7-23-2014 TO 10-16-2014.
- IMAGERY DERIVED FROM GOOGLE MAPS.
- 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.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- ERM AND JAMES HEMME, WV P. E. NO. 12195 (HEREAFTER COLLECTIVELY REFERRED TO AS ERM) HAVE DEPICTED EROSION AND SEDIMENTATION CONTROL (E&S) BEST MANAGEMENT PRACTICES (BMPs) ON THESE ALIGNMENT PLAN SHEETS PREPARED BY GAI CONSULTANTS, INC. FOR USE BY CONTRACTOR TO CONTROL EROSION AND SEDIMENTATION DURING CONSTRUCTION OF THIS PROJECT. 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 GENERAL NOTES SECTION OF THIS PLAN SET. NO RESPONSIBILITY IS ASSUMED FOR INACCURACIES OF SOURCE DATA PROVIDED BY OTHERS. ERM RETAINS NO RESPONSIBILITY OF LIABILITY FOR INFORMATION DEVELOPED, PREPARED OR OTHERWISE PROVIDED BY OTHER, OR FOR INACCURACIES OF SOURCE DATA PROVIDED BY OTHER. ERM ASSUMES NO RESPONSIBILITY OR LIABILITY FOR DESIGNS OR WORK PRODUCTS OF ANY TYPE TO THE EXTENT THAT THEY ARE BASED UPON OR DERIVED FROM SUCH INCORRECT INFORMATION OR DATA.

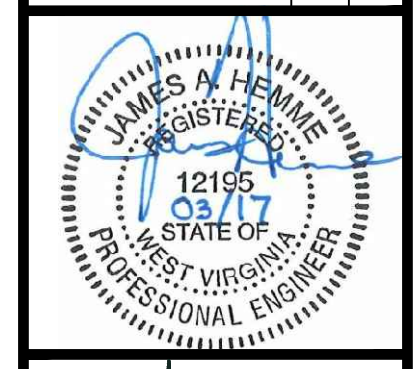
ONE CALL INFO



LEGEND

- PROPOSED GAS PIPELINE
- - - - - PROPOSED GAS PIPELINE (NO GROUND SURVEY)
- PROPOSED ACCESS ROAD
- COUNTY LINES
- USGS 7.5 MINUTE TOPOGRAPHICAL BOUNDARIES
- XX ALIGNMENT SHEET NUMBER
- AR-XXX ACCESS ROAD SHEET NUMBER

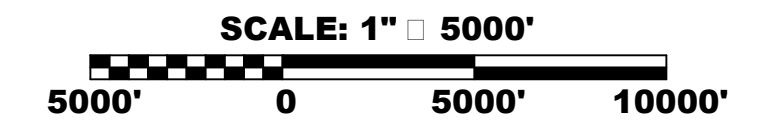
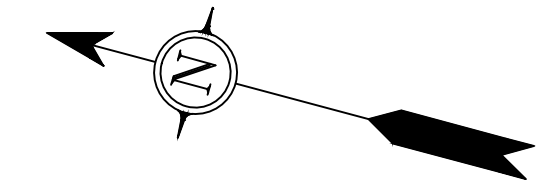
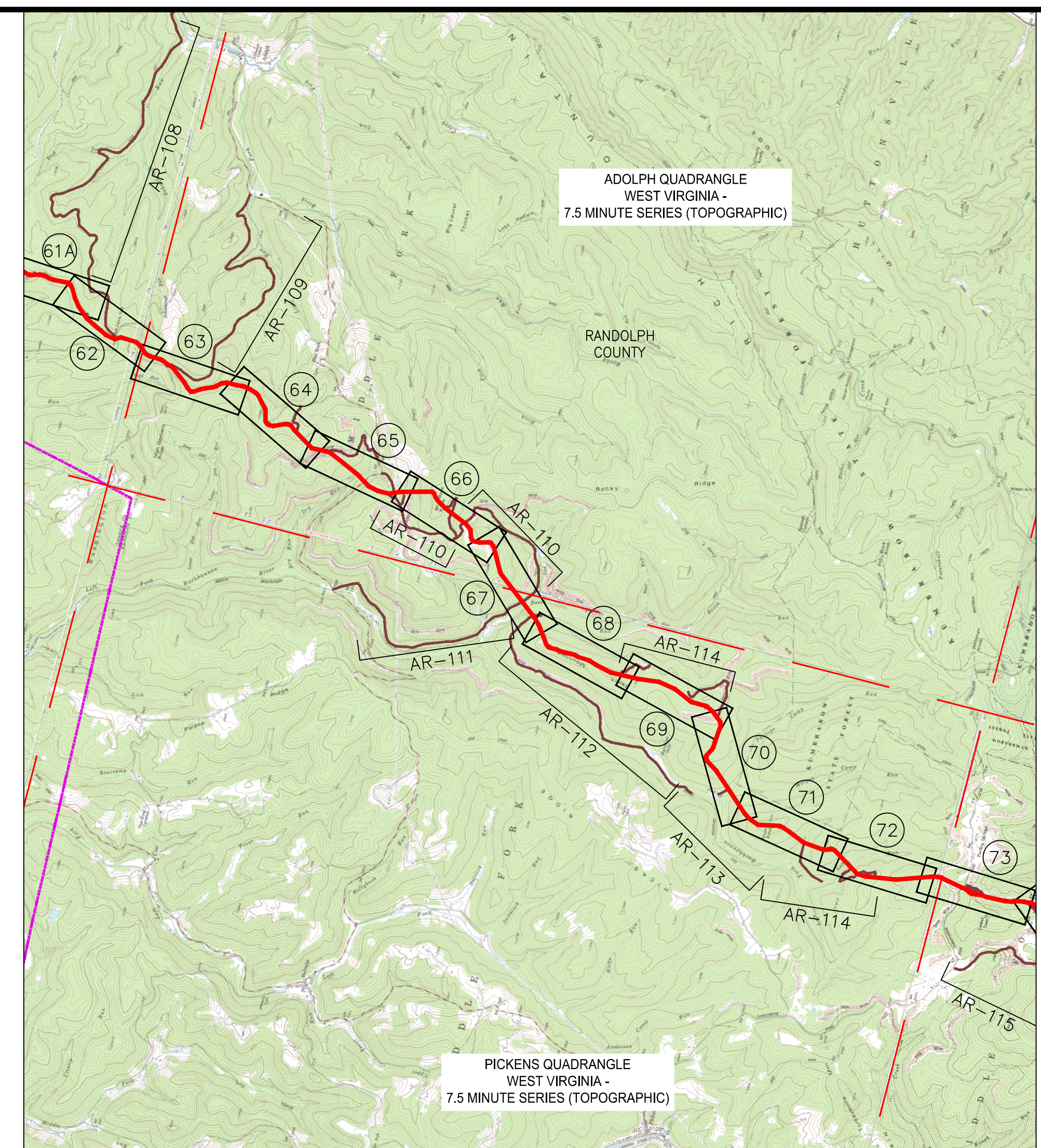
NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION



SPREAD 2-2 PIPELINE DRAWING INDEX	
SHEET NO.	SHEET TITLE
1-3	INTENTIONALLY LEFT BLANK
4	COVER SHEET
5-61	INTENTIONALLY LEFT BLANK
61A	CONSTRUCTION ALIGNMENT (STA 2482+00 TO 2520+00)
62	CONSTRUCTION ALIGNMENT (STA 2520+00 TO 2574+00)
63	CONSTRUCTION ALIGNMENT (STA 2574+00 TO 2628+00)
64	CONSTRUCTION ALIGNMENT (STA 2628+00 TO 2682+00)
65	CONSTRUCTION ALIGNMENT (STA 2682+00 TO 2736+00)
66	CONSTRUCTION ALIGNMENT (STA 2736+00 TO 2790+00)
67	CONSTRUCTION ALIGNMENT (STA 2790+00 TO 2844+00)

SPREAD 2-2 PIPELINE DRAWING INDEX	
SHEET NO.	SHEET TITLE
68	CONSTRUCTION ALIGNMENT (STA 2844+00 TO 2898+00)
69	CONSTRUCTION ALIGNMENT (STA 2898+00 TO 2952+00)
70	CONSTRUCTION ALIGNMENT (STA 2952+00 TO 3006+00)
71	CONSTRUCTION ALIGNMENT (STA 3006+00 TO 3060+00)
72	CONSTRUCTION ALIGNMENT (STA 3060+00 TO 3114+00)
73	CONSTRUCTION ALIGNMENT (STA 3114+00 TO 3168+00)

# ATLANTIC COAST PIPELINE PROJECT - 42" SPREAD 2-2



42" SPREAD 2-2 PIPELINE  
E & S CONTROLS COVER SHEET  
RANDOLPH COUNTY, WEST VIRGINIA  
ATLANTIC COAST PIPELINE, LLC  
C/O DOMINION TRANSMISSION, INC.  
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN  
DATE: 6/5/17  
DRAWN: GOS  
CHECKED: DLH  
APPROVED: NET

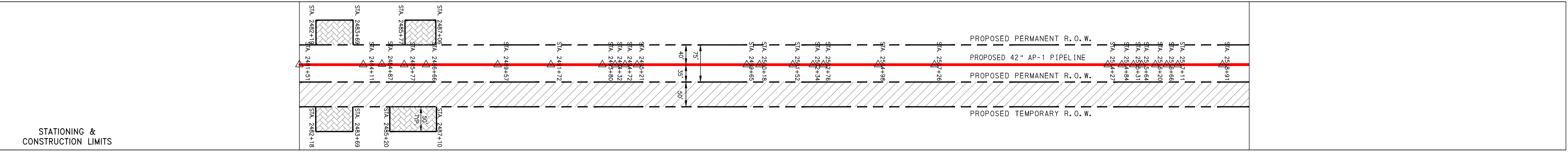
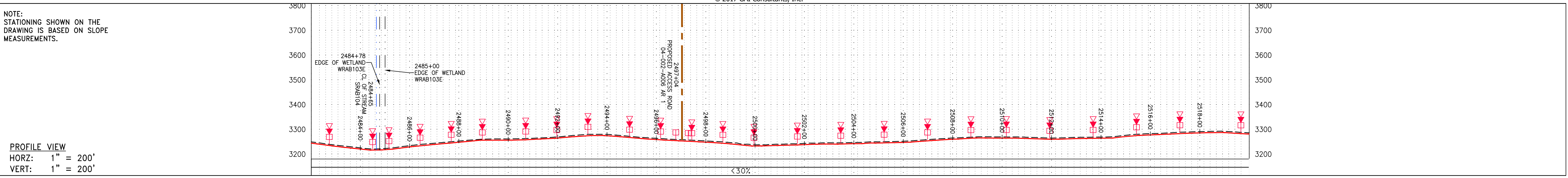
**gai consultants**  
SOUTHPOINTE OFFICE  
6000 TOWN CENTER BLVD.  
CANONSBURG, PA 15317  
724-873-3545

**mbe**  
monaloh basin engineers  
300 BUSINESS CENTER DRIVE  
PITTSBURGH, PA 15205  
412-788-2433

PROJECT NO./DASH NO.  
140468  
TASK NO. SUB TASK NO.  
005  
GROUP ID DRAWING NO.  
D E004  
004 OF 73

6/5/2017 1:48 PM

GAI CAD FILE NO. J:\2665 - GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\E&S COVER SHTS\WV\E&S WV COVER FOR PLAN SHEETS (1-2).DWG

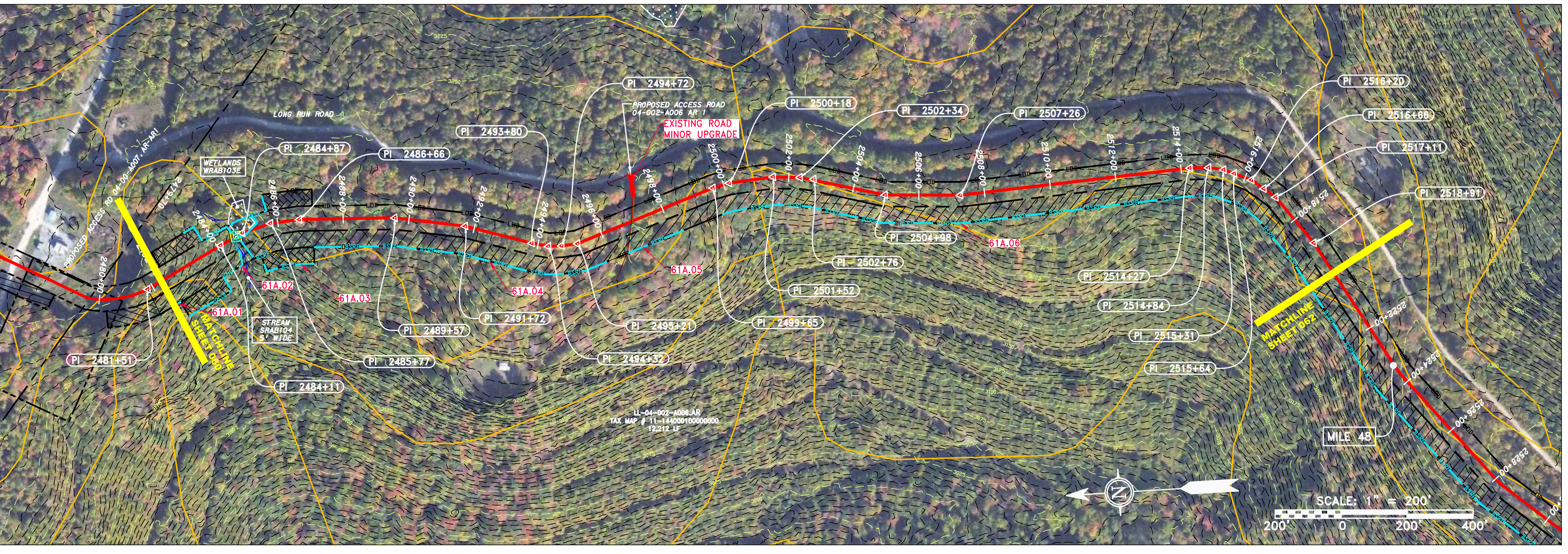


PROPERTY OWNERSHIP

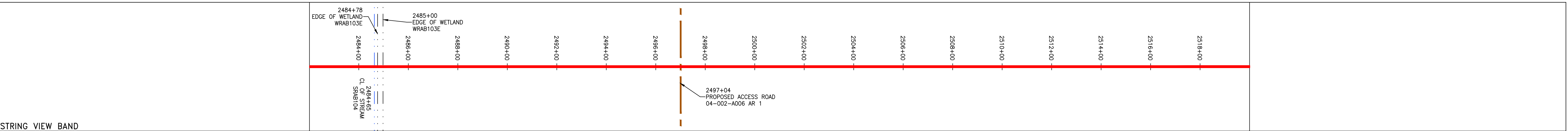
2479+70

2801+82

LL-04-002-A006.AR  
 TAX MAP # 11-14400010000000  
 12.212 LF



PIPE SPECIFICATION



<p><b>LEGEND</b></p> <p>— PROPERTY LINE</p> <p>X X FENCE</p> <p>— STREAM</p> <p>G G EXISTING GAS PIPELINE</p> <p>OH OVERHEAD UTILITY LINES</p> <p>— ACCESS ROAD</p> <p>— PROPOSED GAS PIPELINE</p> <p>— PROPOSED GAS PIPELINE (NO GROUND SURVEY)</p> <p>— STORM SEWER</p> <p>E UNDERGROUND ELECTRIC</p> <p>— WATER LINE</p> <p>— SANITARY SEWER</p> <p>— EDGE OF GRAVEL</p> <p>— PROPOSED PERMANENT EASEMENT</p> <p>EXTRA WORK SPACE</p> <p>AREA OF NO DISTURBANCE</p> <p>WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)</p> <p>TOPSOIL SEGREGATION AREA</p> <p>PROPOSED TEMPORARY R.O.W.</p> <p>UTILITY POLE</p> <p>PERMANENT WATERBAR/SLOPE BREAKER</p> <p>TEMPORARY WATERBAR/SLOPE BREAKER</p> <p>TRENCH BREAKER/PLUG</p> <p>TRENCH BREAKER/PLUG BLEEDER</p> <p>DRAIN AND OUTLET</p> <p>STREAM CROSSING</p> <p>USFWS STREAM CROSSING WITH ENHANCED CONTROLS</p> <p>SEEP</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>SSF SUPER SILT FENCE</p> <p>COMPOST FILTER SOCK</p> <p>SEDIMENT BARRIER</p> <p>ORANGE SAFETY FENCE</p> <p>ROADSIDE DITCH</p> <p>SOIL TYPE</p> <p>TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION</p>	<p><b>NOTES:</b></p> <p>1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US 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 &amp; TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.</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 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>
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REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

SCALE: AS SHOWN  
 DATE: 6/2/17  
 DRAWN: GOS  
 CHECKED: DLH  
 APPROVED: NET

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

300 BUSINESS CENTER DRIVE  
 PITTSBURGH, PA 15205  
 412-788-2433

PROJECT NO./DASH NO.  
 140468

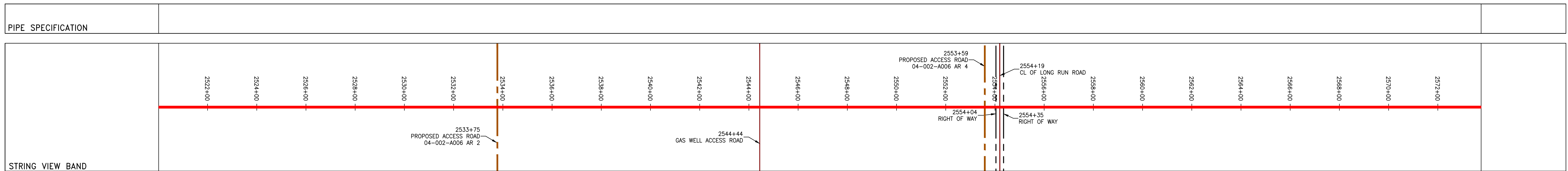
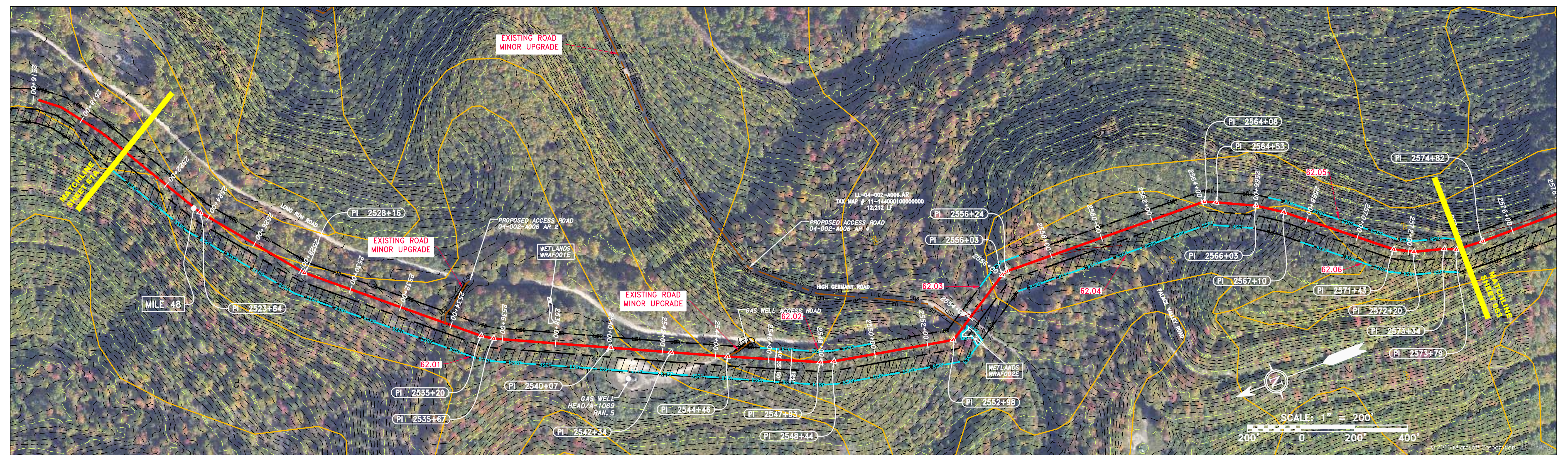
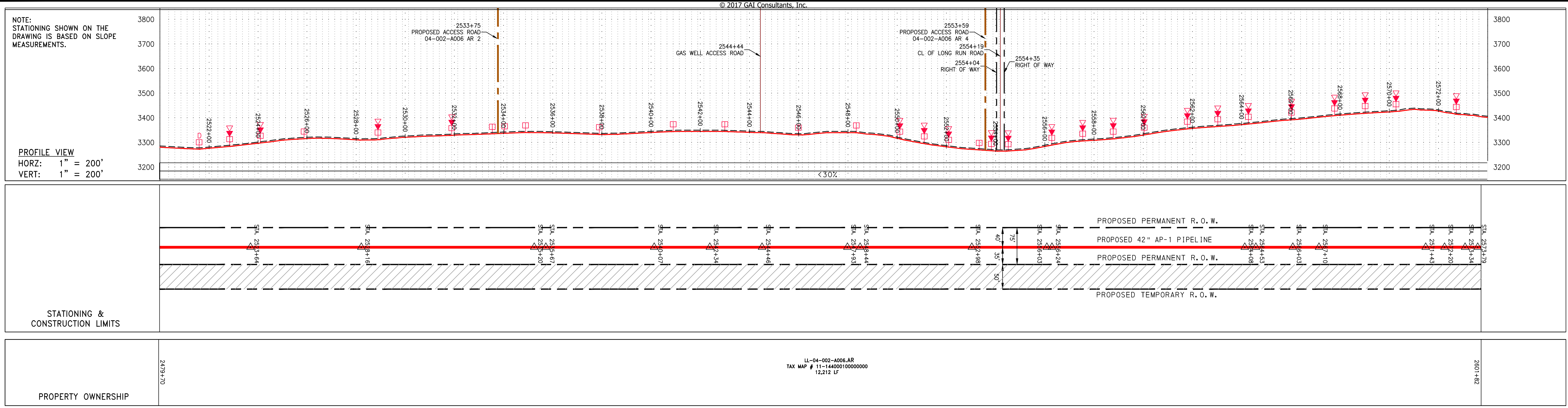
TASK NO.	SUB TASK NO.
005	00

GROUP ID: D DRAWING NO.: E61A

61A OF 344

6/2/2017 3:19 PM

J:\2665 -GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET\_62.DWG



**LEGEND**

— X — X —	FENCE	— E —	STORM SEWER	— W —	WATER LINE	— G —	EXISTING GAS PIPELINE	— SAN —	SANITARY SEWER	— OH —	OVERHEAD UTILITY LINES	— — —	ACCESS ROAD	— — —	PROPOSED PERMANENT EASEMENT	— — —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	□	EXTRA WORK SPACE	□	TOPSOIL SEGREGATION AREA	□	PROPOSED TEMPORARY R.O.W.	□	UTILITY POLE	□	WETLAND	□	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	□	CONSTRUCTION ENTRANCE WITH DITCH	□	CULVERT/WATERBAR	□	LOD	□	LIMIT OF DISTURBANCE	□	BSRF	□	BELTED SILT RETENTION FENCE (BSRF)	□	SSF	□	SUPER SILT FENCE	□	111.03	□	COMPOST FILTER BARRIER IDENTIFICATION	□	X	□	ORANGE SAFETY FENCE	□	QUB	□	ROADSIDE DITCH	□	A1 E1	□	SOIL TYPE	□	30-58Z	□	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION
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**NOTES:**

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- 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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- 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 PLAN.
- 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.
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REVISIONS	
NO.	DATE
CHKD.	APPD.
DESCRIPTION	

**CONSTRUCTION ALIGNMENT STA. 2520+00 TO 2574+00**  
 42" AP-1 PIPELINE  
 RANDOLPH COUNTY, WEST VIRGINIA

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

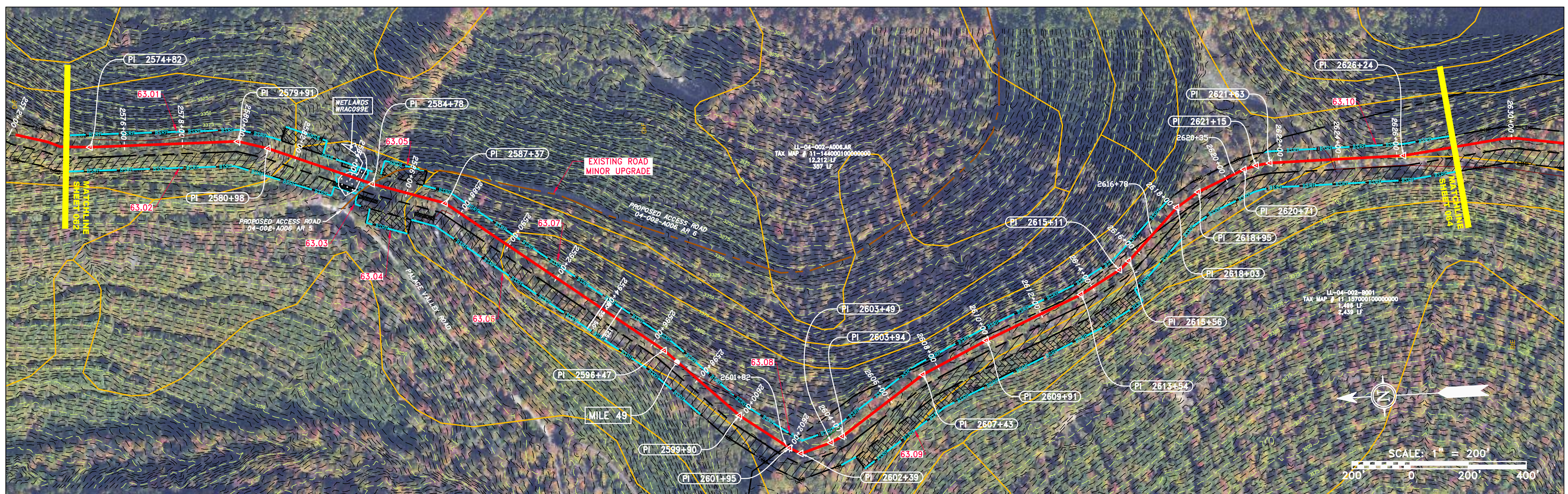
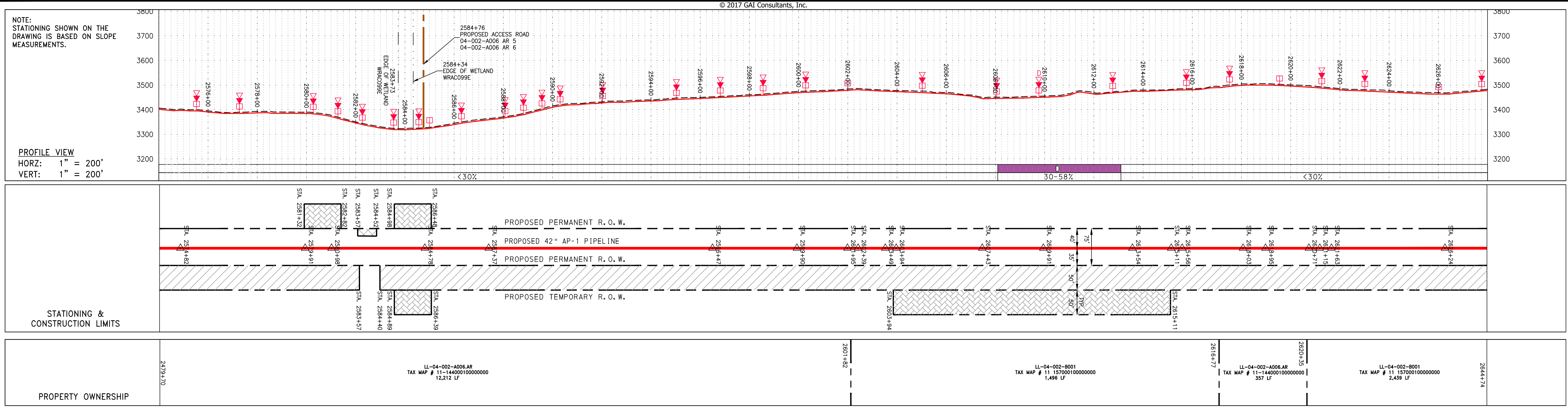
SCALE: AS SHOWN  
 DATE: 6/2/17  
 DRAWN: GOS  
 CHECKED: DLH  
 APPROVED: NET

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

300 BUSINESS CENTER DRIVE  
 PITTSBURGH, PA 15205  
 412-788-2433

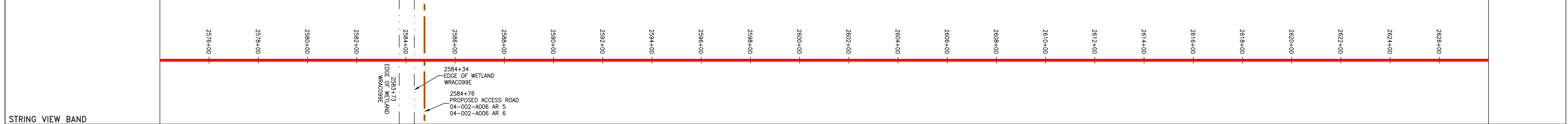
PROJECT NO./DASH NO. 140468  
 TASK NO. SUB TASK NO. 005 00  
 GROUP ID DRAWING NO. D E062  
 062 OF 344

J:\2665-GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET\_63.DWG



PIPE SPECIFICATION

42" AP-1 PIPELINE
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**LEGEND**

— X — X — FENCE	— E — UNDERGROUND ELECTRIC	— W — WATER LINE	— G — EXISTING GAS PIPELINE	— SAN — SANITARY SEWER	— OH — OVERHEAD UTILITY LINES	— ACCESS ROAD	— PROPOSED PERMANENT EASEMENT	— PROPOSED GAS PIPELINE (NO GROUND SURVEY)	EXTRA WORK SPACE	TOPSOIL SEGREGATION AREA	AREA OF NO DISTURBANCE	PROPOSED TEMPORARY R.O.W.	UTILITY POLE	PERMANENT WATERBAR/SLOPE BREAKER	TEMPORARY WATERBAR/SLOPE BREAKER	TRENCH BREAKER/PLUG	TRENCH BREAKER/PLUG BLEEDER DRAIN AND OUTLET	STREAM CROSSING	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	SEEP	CONSTRUCTION ENTRANCE WITH DITCH	CULVERT/WATERBAR	LOD	BSRF	SSF	COMPOST FILTER SOCK	SEDIMENT BARRIER	ORANGE SAFETY FENCE	ROADSIDE DITCH	SOIL TYPE	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION	LIMIT OF DISTURBANCE	BELTED SILT RETENTION FENCE (BSRF)	SUPER SILT FENCE	IDENTIFICATION
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REVISIONS

NO.	DATE	DRWN.	CHKD.	APPROV.	DESCRIPTION
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CONSTRUCTION ALIGNMENT STA. 2574+00 TO 2628+00  
 RANDOLPH COUNTY, WEST VIRGINIA  
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN  
 DATE: 6/2/17  
 DRAWN: GOS  
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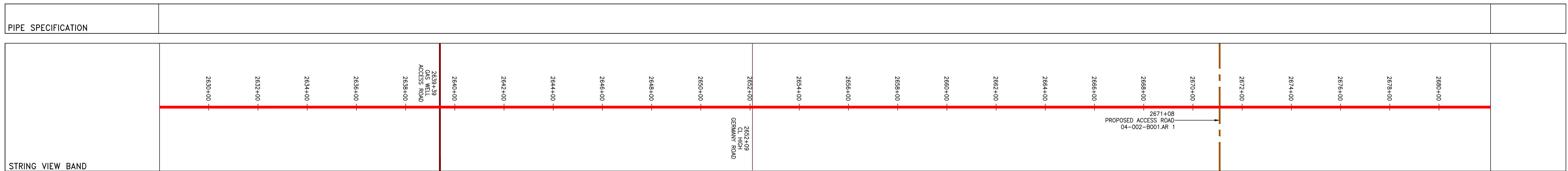
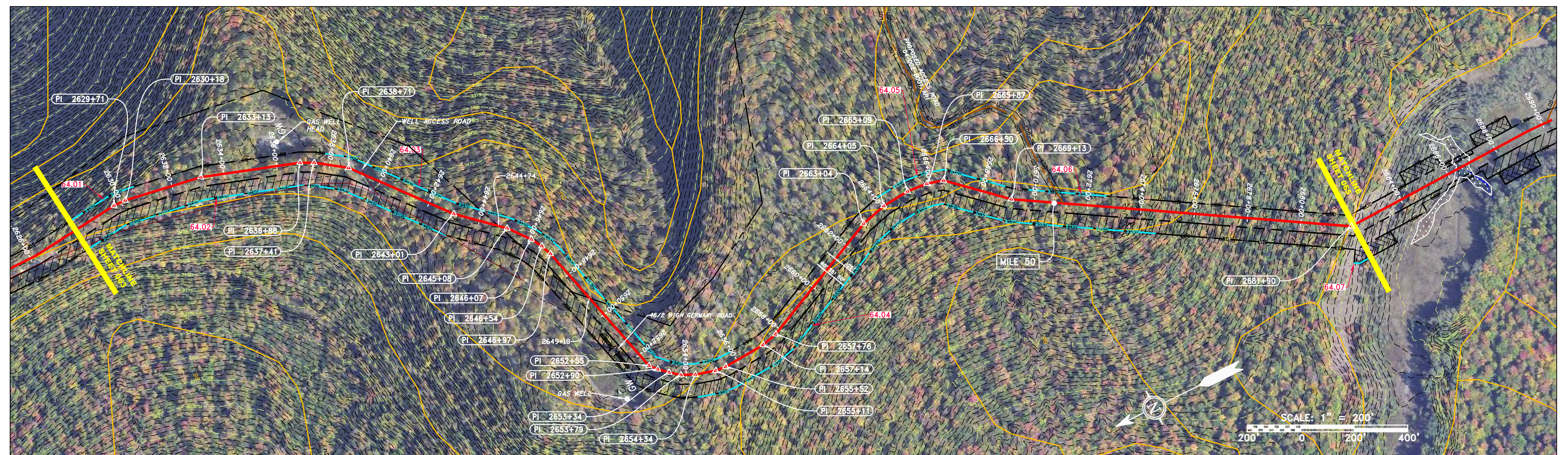
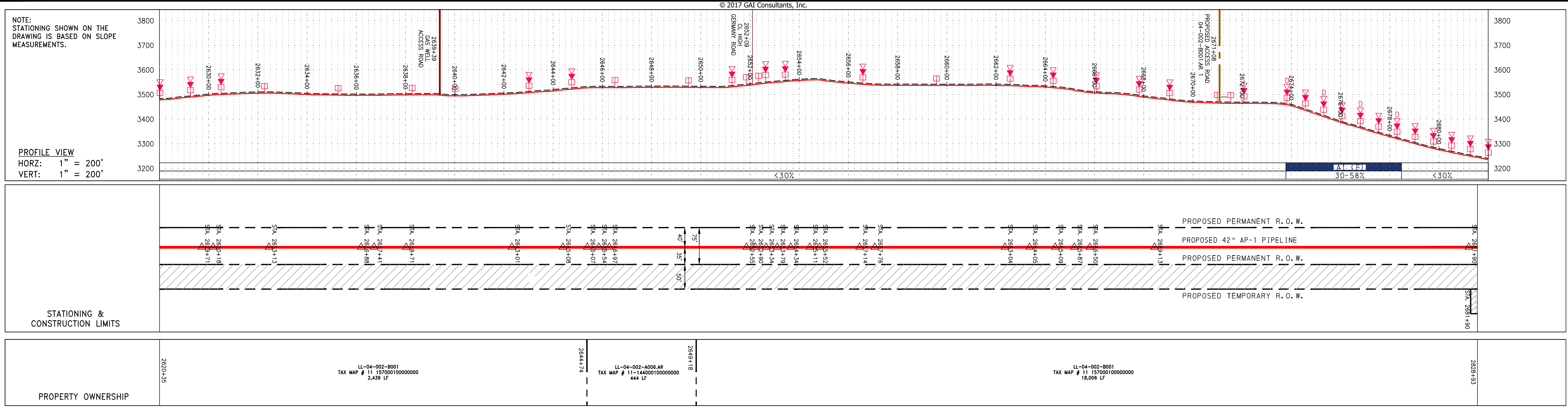
SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-273-3545

300 BUSINESS CENTER DRIVE  
 PITTSBURGH, PA 15205  
 412-788-2433

PROJECT NO./DASH NO.  
 140468  
 TASK NO. SUB TASK NO.  
 005 00  
 GROUP ID DRAWING NO.  
 D E063  
 063 OF 344

6/2/2017 1:26 PM

J:\2665 - GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET\_64.DWG



**LEGEND**

— X — X —	FENCE	— E —	STORM SEWER	— W —	UNDERGROUND ELECTRIC	— G — G —	EXISTING GAS PIPELINE	— OH —	OVERHEAD UTILITY LINES	— A — A —	ACCESS ROAD	— P — P —	PROPOSED PERMANENT EASEMENT	— G — G —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
—	PROPERTY LINE	—	STORM SEWER	—	UNDERGROUND ELECTRIC	—	STREAM	—	SANITARY SEWER	—	EDGE OF GRAVEL	—	PROPOSED PERMANENT R.O.W.	—	PROPOSED GAS PIPELINE
—	PROPERTY LINE	—	STORM SEWER	—	UNDERGROUND ELECTRIC	—	STREAM	—	SANITARY SEWER	—	EDGE OF GRAVEL	—	PROPOSED PERMANENT R.O.W.	—	PROPOSED GAS PIPELINE
—	PROPERTY LINE	—	STORM SEWER	—	UNDERGROUND ELECTRIC	—	STREAM	—	SANITARY SEWER	—	EDGE OF GRAVEL	—	PROPOSED PERMANENT R.O.W.	—	PROPOSED GAS PIPELINE

**NOTES:**

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**REVISIONS**

NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION

**ERM**

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

**CONSTRUCTION ALIGNMENT STA. 2628+00 TO 2682+00**  
 RANDOLPH COUNTY, WEST VIRGINIA

SCALE: AS SHOWN  
 DATE: 6/2/17  
 DRAWN: GOS  
 CHECKED: DLH  
 APPROVED: NET

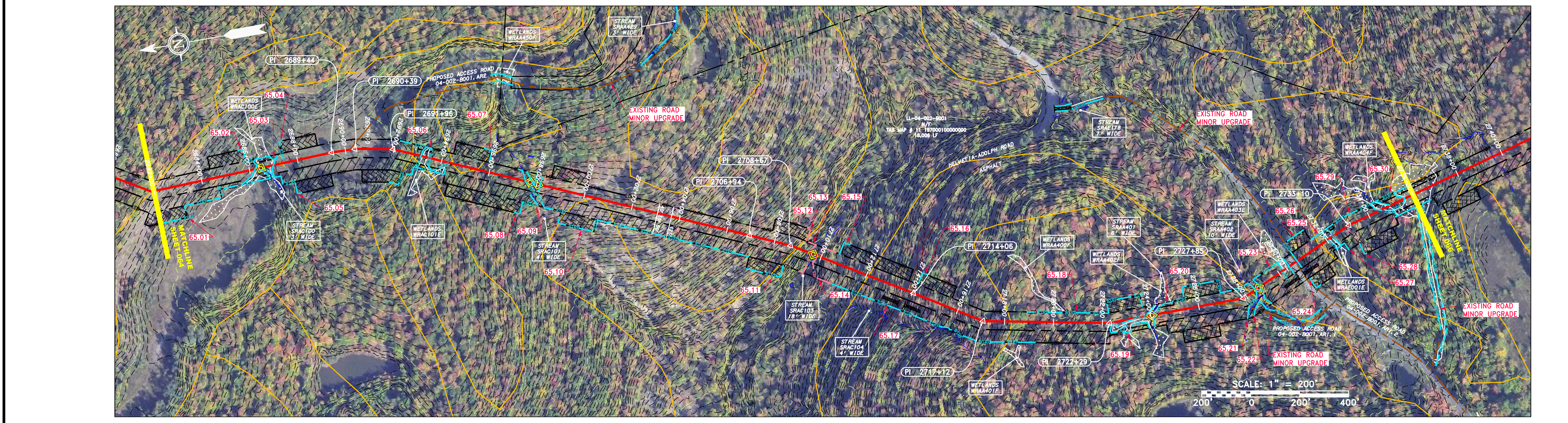
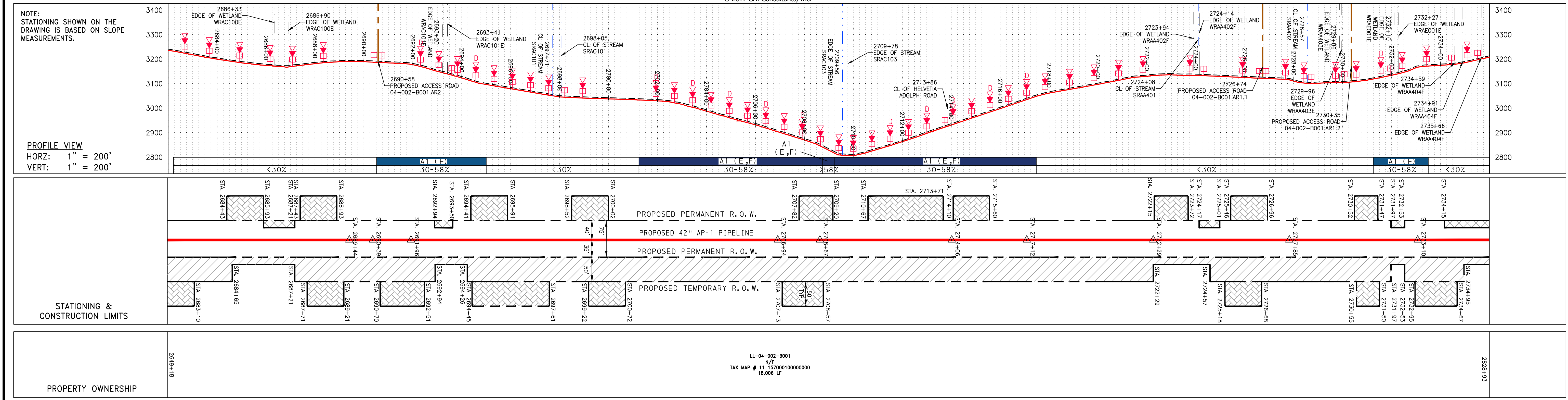
**gai consultants**  
 SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-873-3545

**mbe monaloh basin engineers**  
 300 BUSINESS CENTER DRIVE  
 PITTSBURGH, PA 15205  
 412-788-2433

PROJECT NO./DASH NO. 140468  
 TASK NO. SUB TASK NO. 005 00  
 GROUP ID DRAWING NO. D E064  
 064 OF 344

6/2/2017 11:03 AM

J:\2665-GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET\_65.DWG

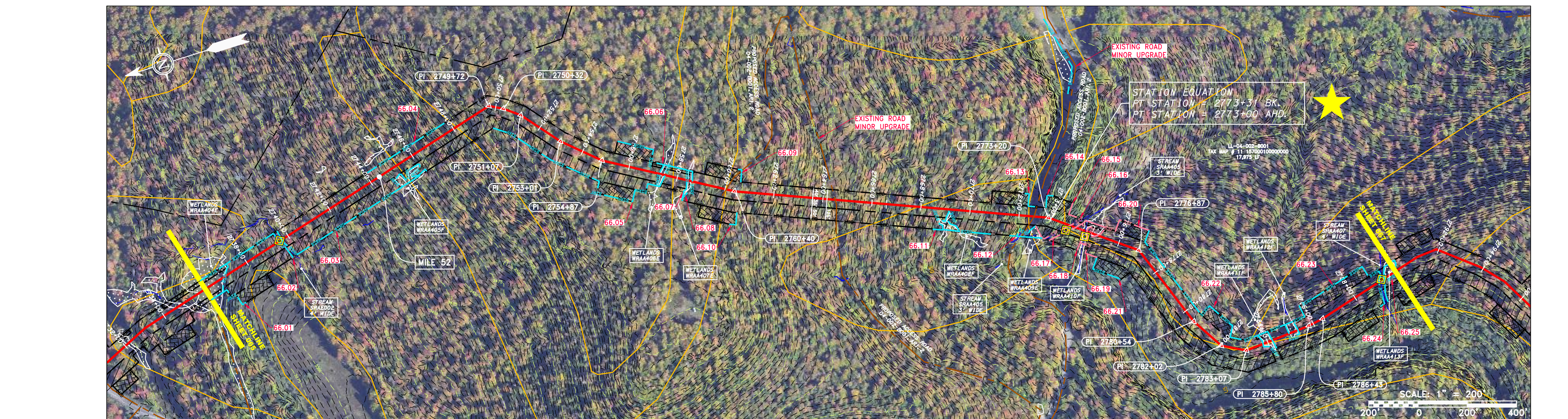
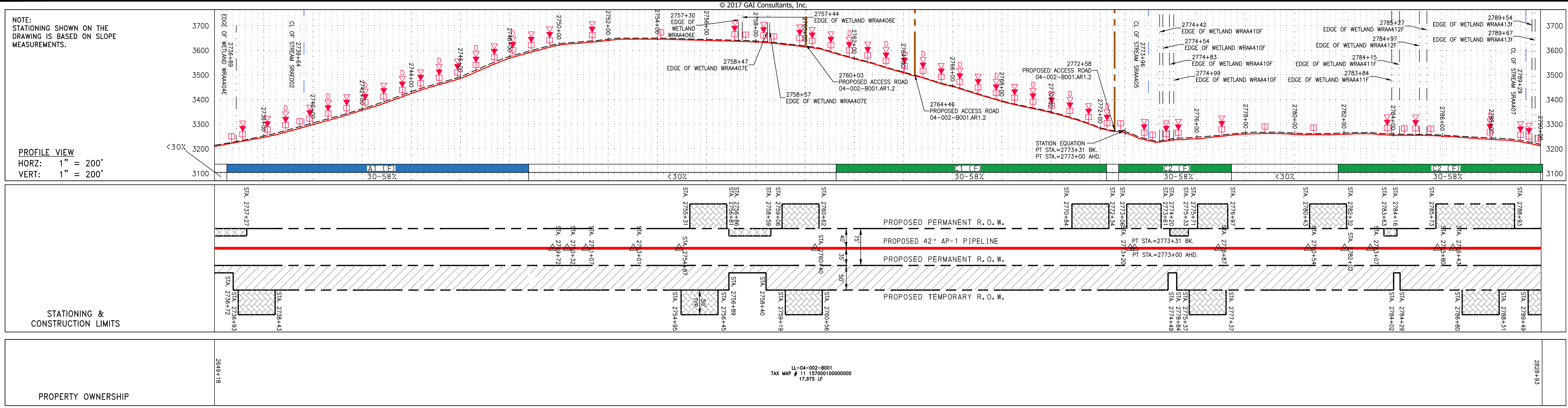


**PIPE SPECIFICATION**

<p><b>STRING VIEW BAND</b></p>	
<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>PROPERTY LINE</li> <li>FENCE</li> <li>EXISTING GAS PIPELINE</li> <li>OVERHEAD UTILITY LINES</li> <li>ACCESS ROAD</li> <li>PROPOSED GAS PIPELINE</li> <li>PROPOSED GAS PIPELINE (NO GROUND SURVEY)</li> <li>STORM SEWER</li> <li>UNDERGROUND ELECTRIC</li> <li>WATER LINE</li> <li>SANITARY SEWER</li> <li>EDGE OF GRAVEL</li> <li>PROPOSED PERMANENT EASEMENT</li> <li>PROPOSED PERMANENT R.O.W.</li> <li>PROPOSED TEMPORARY R.O.W.</li> <li>UTILITY POLE</li> <li>WETLAND</li> <li>EXTRA WORK SPACE</li> <li>AREA OF NO DISTURBANCE</li> <li>TOPSOIL SEGREGATION AREA</li> <li>PROPOSED TEMPORARY R.O.W.</li> <li>UTILITY POLE</li> </ul>	<ul style="list-style-type: none"> <li>PERMANENT WATERBAR/SLOPE BREAKER</li> <li>TEMPORARY WATERBAR/SLOPE BREAKER</li> <li>TRENCH BREAKER/PLUG</li> <li>TRENCH BREAKER/PLUG BLEEDER</li> <li>DRAIN AND OUTLET</li> <li>STREAM CROSSING</li> <li>USFWS STREAM CROSSING WITH ENHANCED CONTROLS</li> <li>SEEP</li> <li>CONSTRUCTION ENTRANCE WITH DITCH</li> <li>CULVERT AS NEEDED</li> <li>CULVERT WATERBAR</li> <li>LIMIT OF DISTURBANCE</li> <li>BELTED SILT RETENTION FENCE (BSRF)</li> <li>SUPER SILT FENCE</li> <li>COMPOST FILTER SOCK</li> <li>SEDIMENT BARRIER IDENTIFICATION</li> <li>ORANGE SAFETY FENCE</li> <li>ROADSIDE DITCH</li> <li>SOIL TYPIC</li> <li>TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION</li> </ul>
<p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. 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.</li> <li>THE PROPERTY LINES SHOWN ARE BASED ON GIS &amp; TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.</li> <li>STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.</li> <li>EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.</li> <li>ALL STATIONING SHOWN IS SLOPE STATIONING.</li> <li>SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.</li> <li>BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.</li> <li>EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.</li> <li>ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES: 1) EXISTING ROADS WITH NO IMPROVEMENTS, 2) EXISTING ROADS WITH IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE; DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.</li> <li>ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.</li> </ol>	

<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DWGN.</th> <th>CHKD.</th> <th>APPROV.</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	DATE	DWGN.	CHKD.	APPROV.	DESCRIPTION						
NO.	DATE	DWGN.	CHKD.	APPROV.	DESCRIPTION								
<p>   </p>													
<p>           CONSTRUCTION ALIGNMENT STA. 2682+00 TO 2736+00            RANDOLPH COUNTY, WEST VIRGINIA  <b>ATLANTIC COAST PIPELINE, LLC</b>            C/O DOMINION TRANSMISSION, INC.            925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330         </p>													
<p>           SCALE: AS SHOWN            DATE: 6/2/17            DRAWN: GOS            CHECKED: DLH            APPROVED: NET         </p>													
<p>             SOUTHPOINT OFFICE            6000 TOWN CENTER BLVD.            CANONSBURG, PA 15317            724-873-3545              300 BUSINESS CENTER DRIVE            PITTSBURGH, PA 15205            412-788-2433         </p>													
<p>           PROJECT NO./DASH NO.            140468            TASK NO. SUB TASK NO.            005 00            GROUP ID DRAWING NO.            D E065            065 OF 344         </p>													

J:\2665 -GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET\_66.DWG



**PIPE SPECIFICATION**

**STRING VIEW BAND**

—	PROPERTY LINE	—	STORM SEWER	—	LOD	—	LIMIT OF DISTURBANCE
X-X	FENCE	E	UNDERGROUND ELECTRIC	—	BSRF	—	BELTED SILT RETENTION FENCE (BSRF)
G-G	EXISTING GAS PIPELINE	W	WATER LINE	—	SSF	—	SUPER SILT FENCE
OH	OVERHEAD UTILITY LINES	SAN	SANITARY SEWER	—	111.03	—	COMPOST FILTER SOCK IDENTIFICATION
—	ACCESS ROAD	—	EDGE OF GRAVEL	—	X	—	ORANGE SAFETY FENCE
—	PROPOSED GAS PIPELINE	—	PROPOSED PERMANENT EASEMENT	—	CUB	—	ROADSIDE DITCH
—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	—	WETLAND	—	A1 LE	—	SOIL TYPE
					30-58%		TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION

**LEGEND**

- ▲ PERMANENT WATERBAR/SLOPE BREAKER
- ◻ TEMPORARY WATERBAR/SLOPE BREAKER
- ◻ TRENCH BREAKER/PLUG
- ◻ TRENCH BREAKER/PLUG BLEEDER DRAIN AND OUTLET
- ◻ STREAM CROSSING
- ◻ USFWS STREAM CROSSING WITH ENHANCED CONTROLS
- ◻ SEEP
- ◻ CONSTRUCTION ENTRANCE WITH DITCH
- ◻ CULVERT WATERBAR
- ◻ EXTRA WORK SPACE
- ◻ AREA OF NO DISTURBANCE
- ◻ WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)
- ◻ TOPSOIL SEGREGATION AREA
- ◻ PROPOSED TEMPORARY R.O.W.
- ◻ UTILITY POLE

**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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**REVISIONS**

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

**ERM**

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

**CONSTRUCTION ALIGNMENT STA. 2736+00 TO 2790+00**  
 RANDOLPH COUNTY, WEST VIRGINIA

SCALE: AS SHOWN  
 DATE: 6/2/17  
 DRAWN: GOS  
 CHECKED: DLH  
 APPROVED: NET

**gai consultants**

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

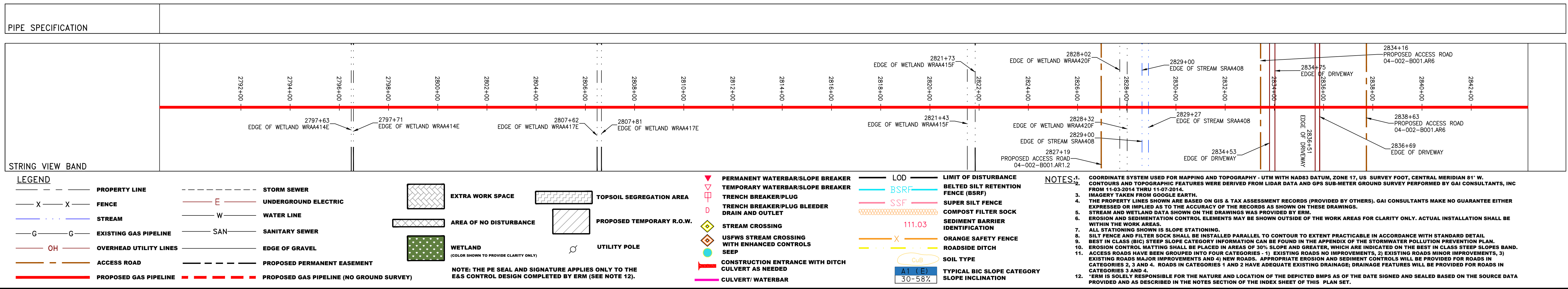
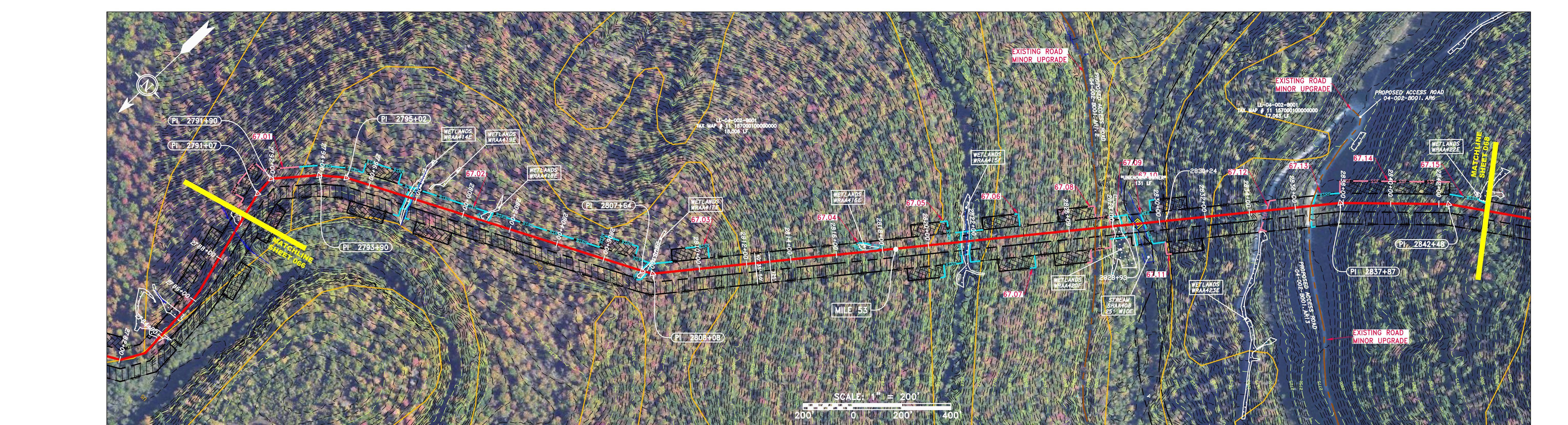
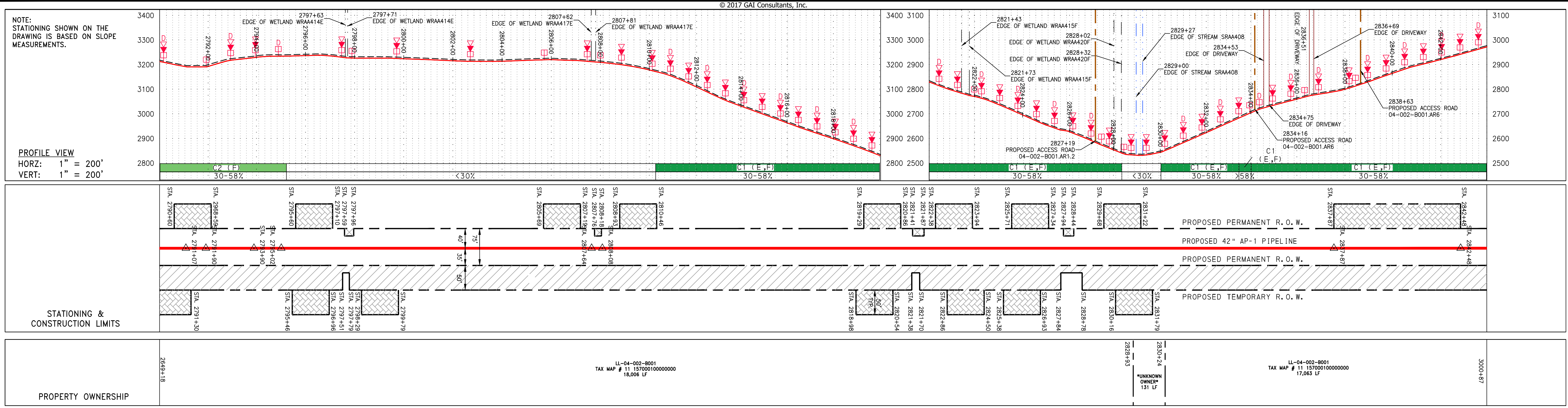
**mbe monaloh basin engineers**

300 BUSINESS CENTER DRIVE  
 PITTSBURGH, PA 15205  
 412-788-2433

PROJECT NO./DASH NO. 140468  
 TASK NO. SUB TASK NO. 005 00  
 GROUP ID DRAWING NO. D E066  
 066 OF 344

6/2/2017 10:38 AM

J:\2665 -GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET\_67.DWG



NO.	DATE	CHKD.	APPROV.	DESCRIPTION

**CONSTRUCTION ALIGNMENT STA. 2790+00 TO 2844+00**  
**42" AP-1 PIPELINE**  
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 RANDOLPH COUNTY, WEST VIRGINIA

SCALE: AS SHOWN  
 DATE: 6/2/17  
 DRAWN: GOS  
 CHECKED: DLH  
 APPROVED: NET

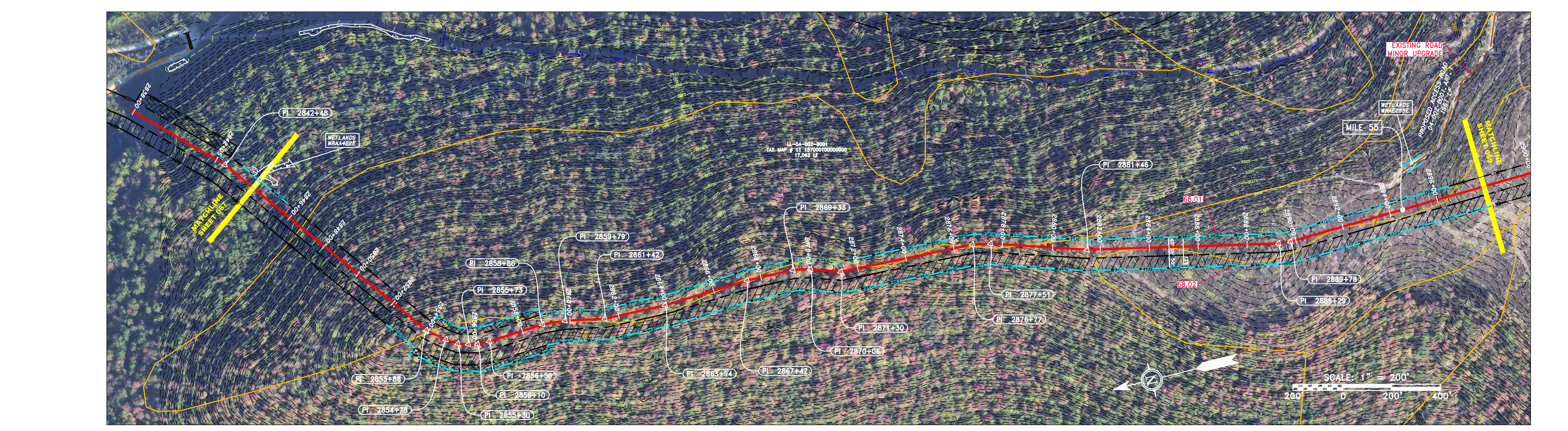
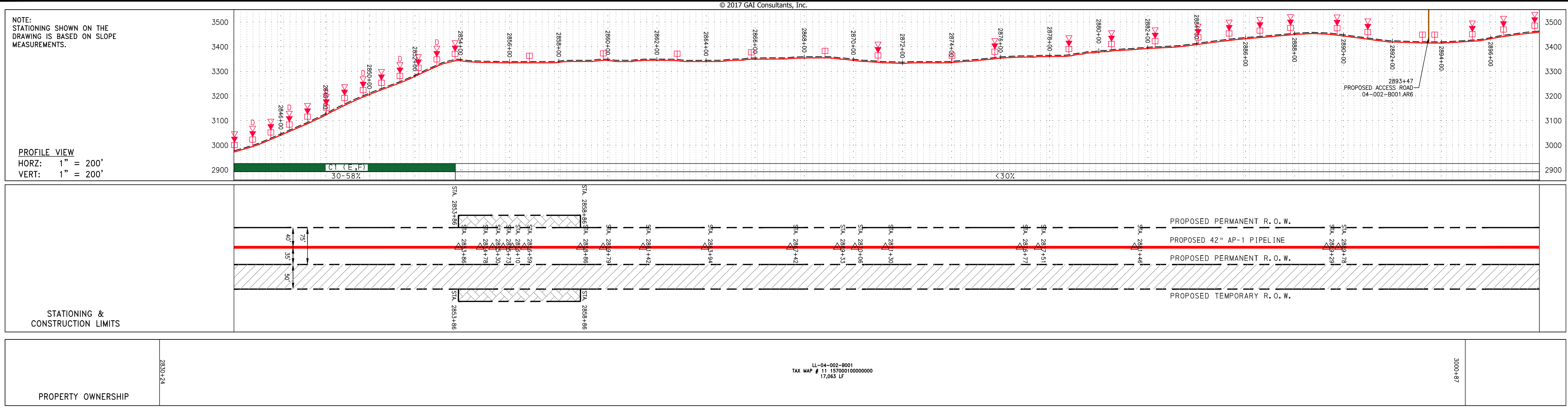
SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-873-3545

300 BUSINESS CENTER DRIVE  
 PITTSBURGH, PA 15205  
 412-788-2433

PROJECT NO./DASH NO. 140468  
 TASK NO. SUB TASK NO. 005 00  
 GROUP ID DRAWING NO. D E067  
 067 OF 344



J:\2665 - GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET 68.DWG



**PIPE SPECIFICATION**

42" AP-1 PIPELINE	111.03	111.03
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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	—	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:**

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

CONSTRUCTION ALIGNMENT STA. 2844+00 TO 2898+00  
 RANDOLPH COUNTY, WEST VIRGINIA

SCALE: AS SHOWN  
 DATE: 6/2/17  
 DRAWN: GOS  
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SOUTHPOINT OFFICE  
 6000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
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 412-788-2433

PROJECT NO./DASH NO. 140468  
 TASK NO. SUB TASK NO. 005 00  
 GROUP ID DRAWING NO. D E068  
 068 OF 344

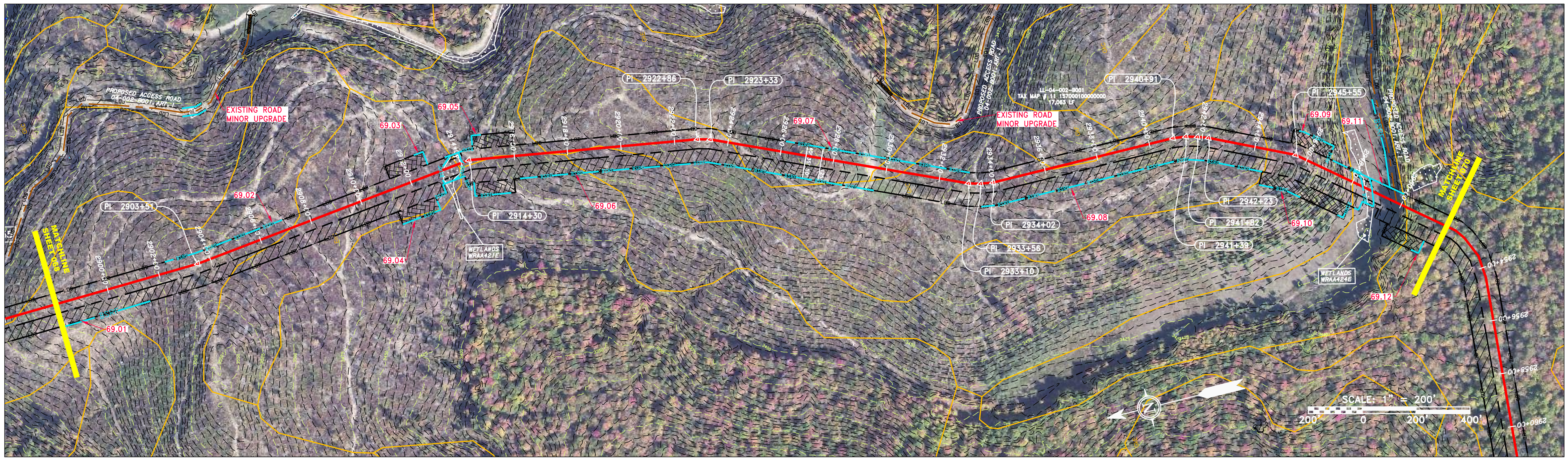
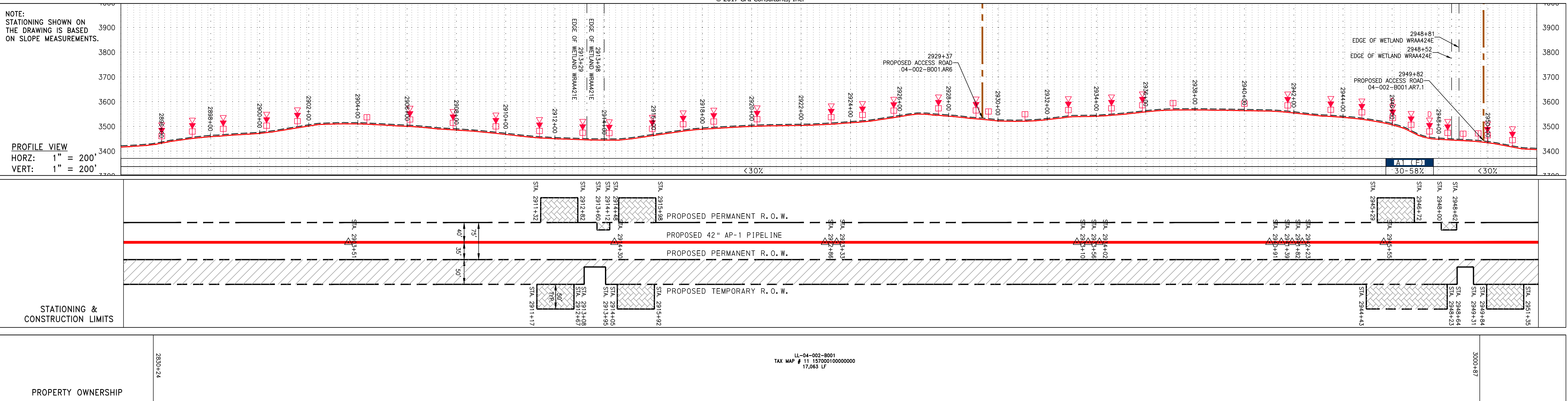
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NOTE:  
STATIONING SHOWN ON  
THE DRAWING IS BASED  
ON SLOPE MEASUREMENTS.

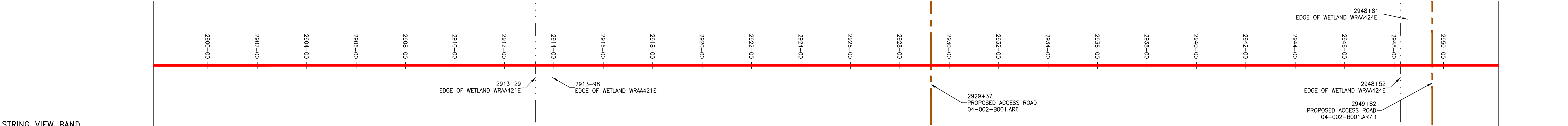
PROFILE VIEW  
HORZ: 1" = 200'  
VERT: 1" = 200'

STATIONING &  
CONSTRUCTION LIMITS

PROPERTY OWNERSHIP



PIPE SPECIFICATION



LEGEND

- |           |                       |       |  |       |                             |           |                       |        |                           |            |                  |  |                          |       |                           |       |              |
|-----------|-----------------------|-------|--|-------|-----------------------------|-----------|-----------------------|--------|---------------------------|------------|------------------|--|--------------------------|-------|---------------------------|-------|--------------|
| — X — X — | FENCE                 | — E — | STORM SEWER                              | — W — | UNDERGROUND ELECTRIC        | — G — G — | EXISTING GAS PIPELINE | — OH — | OVERHEAD UTILITY LINES    | — A1 (E) — | 30-58%           | TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION |                          |       |                           |       |              |
| — — —     | PROPOSED GAS PIPELINE | — — — | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | — — — | PROPOSED PERMANENT EASEMENT | — — —     | EDGE OF GRAVEL        | — — —  | PROPOSED PERMANENT R.O.W. | — — —      | EXTRA WORK SPACE | — — —  | TOPSOIL SEGREGATION AREA | — — — | PROPOSED TEMPORARY R.O.W. | — — — | UTILITY POLE |
| — — —     | PROPERTY LINE         | — — — | STORM SEWER                              | — — — | UNDERGROUND ELECTRIC        | — — —     | EXISTING GAS PIPELINE | — — —  | OVERHEAD UTILITY LINES    | — — —      | EXTRA WORK SPACE | — — —  | TOPSOIL SEGREGATION AREA | — — — | PROPOSED TEMPORARY R.O.W. | — — — | UTILITY POLE |
| — — —     | PROPERTY LINE         | — — — | STORM SEWER                              | — — — | UNDERGROUND ELECTRIC        | — — —     | EXISTING GAS PIPELINE | — — —  | OVERHEAD UTILITY LINES    | — — —      | EXTRA WORK SPACE | — — —  | TOPSOIL SEGREGATION AREA | — — — | PROPOSED TEMPORARY R.O.W. | — — — | UTILITY POLE |
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NO.	DATE	CHKD.	APPD.	DESCRIPTION

CONSTRUCTION ALIGNMENT STA. 2898+00 TO 2952+00  
RANDOLPH COUNTY, WEST VIRGINIA

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

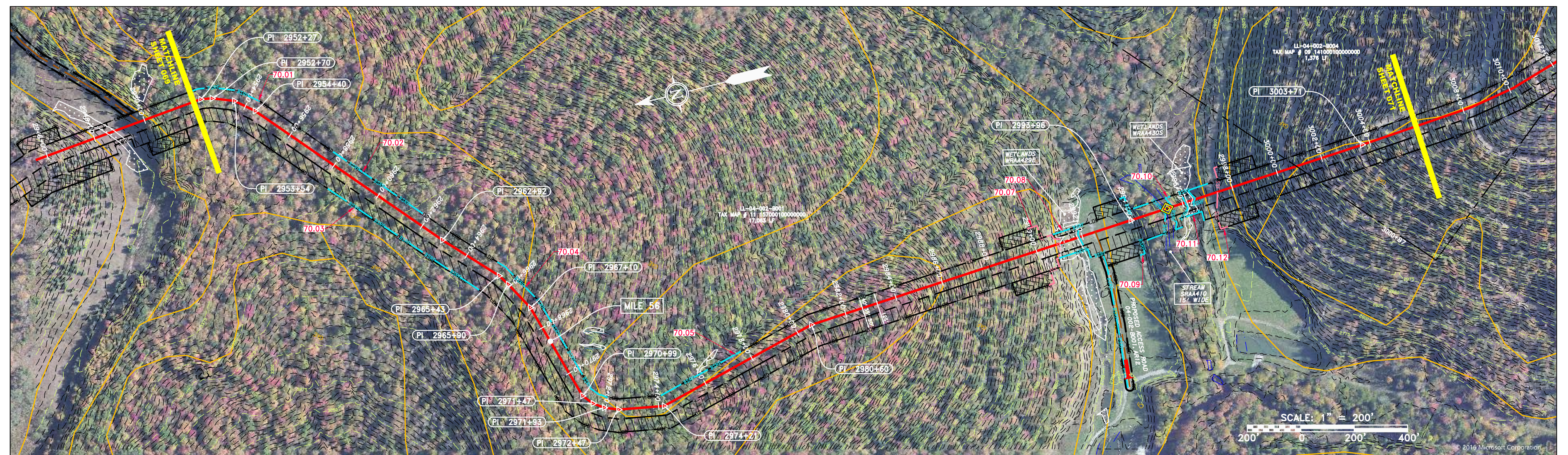
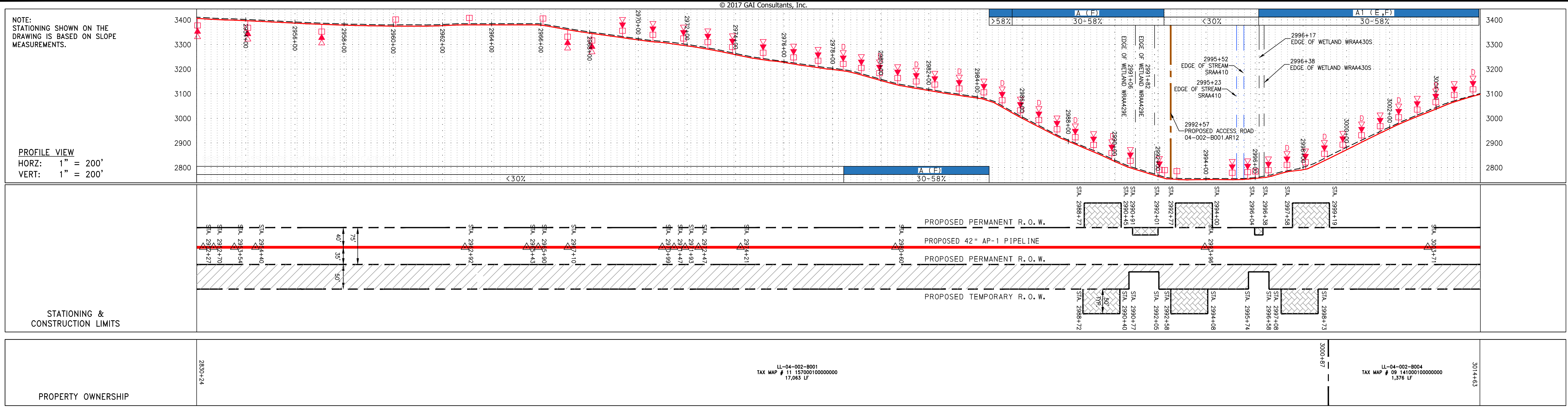
SCALE: AS SHOWN  
DATE: 6/2/17  
DRAWN: JMS  
CHECKED: DLH  
APPROVED: NET

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

mbe  
monaloh basin  
engineers  
300 BUSINESS CENTER DRIVE  
PITTSBURGH, PA 15205  
412-788-2433

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E069
069 OF 344	

J:\2665 -GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET 70.DWG



**PIPE SPECIFICATION**

**STRING VIEW BAND**

2954+00	2956+00	2958+00	2960+00	2962+00	2964+00	2966+00	2968+00	2970+00	2972+00	2974+00	2976+00	2978+00	2980+00	2982+00	2984+00	2986+00	2988+00	2990+00	2992+00	2994+00	2996+00	2998+00	3000+00	3002+00	3004+00
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**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.
G-G	EXISTING GAS PIPELINE	W	WATER LINE	—	WETLAND	—	UTILITY POLE
OH	OVERHEAD UTILITY LINES	SAN	SANITARY SEWER	—	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).	—	
—	ACCESS ROAD	—	EDGE OF GRAVEL	—		—	
—	PROPOSED PERMANENT EASEMENT	—	PROPOSED PERMANENT R.O.W.	—		—	
—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	—	PROPOSED PERMANENT R.O.W.	—		—	

**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) 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 BANDS.
- 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 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	CHKD.	APPROV.	DESCRIPTION

**ERM**

CONSTRUCTION ALIGNMENT STA. 2952+00 TO 3006+00

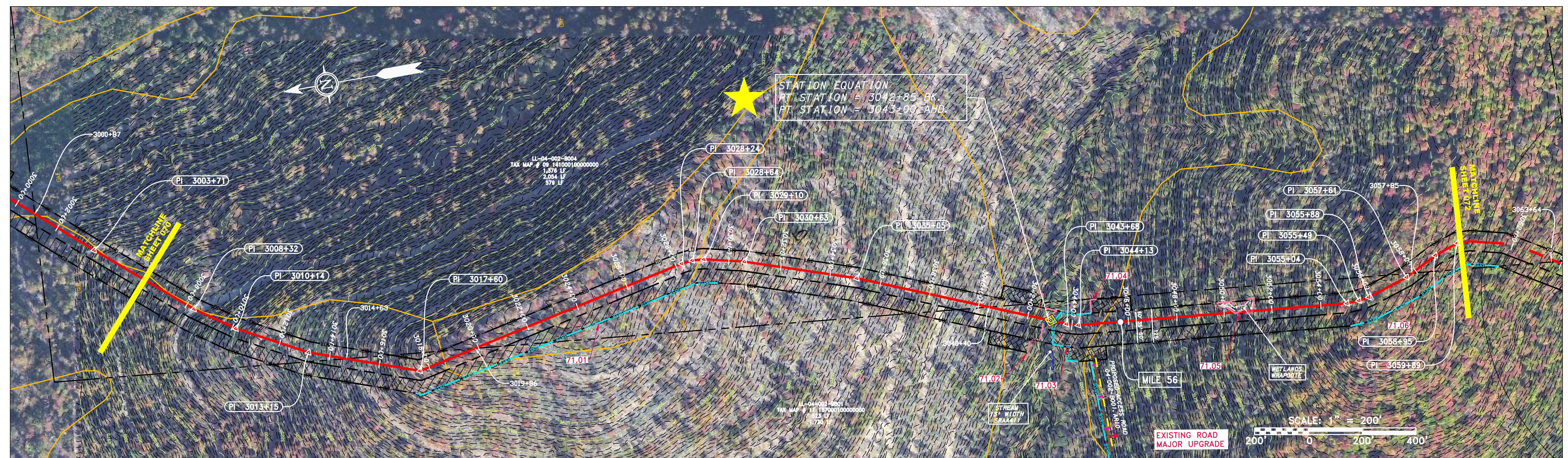
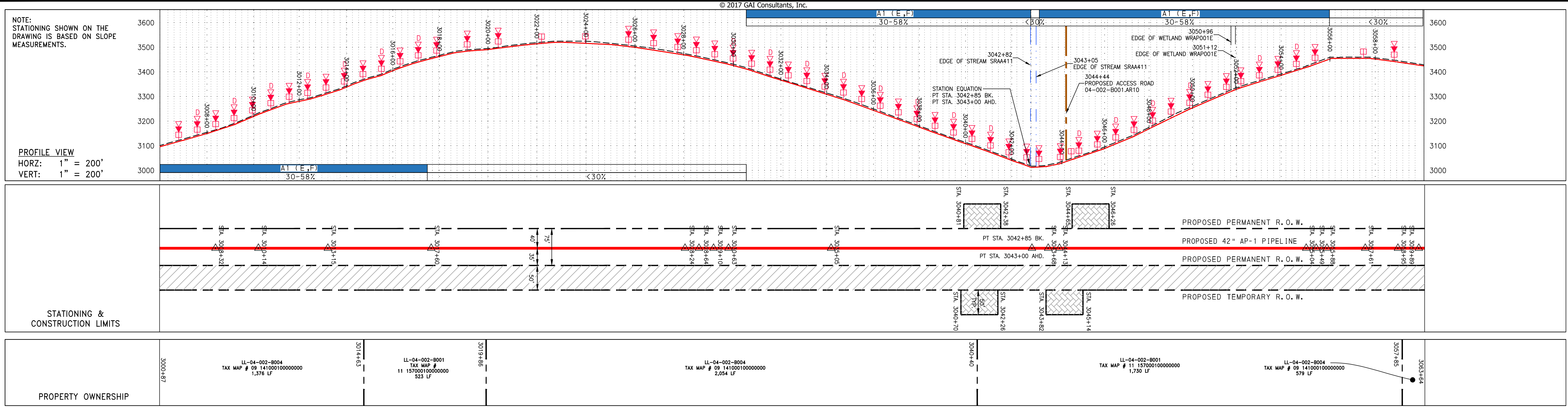
ATLANTIC COAST PIPELINE, LLC  
C/O DOMINION TRANSMISSION, INC.  
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN  
DATE: 6/2/17  
DRAWN: JMS  
CHECKED: DLH  
APPROVED: NET

PROJECT NO./DASH NO. 140468  
TASK NO. 005 SUB TASK NO. 00  
GROUP ID D DRAWING NO. E070  
070 OF 344

6/2/2017 9:48 AM

J:\2665 -GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET 71.DWG



**PIPE SPECIFICATION**

**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	—	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:**

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 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. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
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7. ALL STATIONING SHOWN IS SLOPE STATIONING.
8. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
9. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
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.
11. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES: 1) EXISTING ROADS WITH NO IMPROVEMENTS, 2) EXISTING ROADS WITH MINOR IMPROVEMENTS, 3) EXISTING ROADS WITH 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.

**REVISIONS**

NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION

**Professional Engineer Seal:**  
 JAMES A. HEMME  
 12195  
 STATE OF WEST VIRGINIA  
 PROFESSIONAL ENGINEER

**ERM**

**CONSTRUCTION ALIGNMENT STA. 3006+00 TO 3060+00**

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

**SCALE: AS SHOWN**  
**DATE: 6/2/17**  
**DRAWN: JMS**  
**CHECKED: DLH**  
**APPROVED: NET**

**gai consultants**

**monaloh basin engineers**

**PROJECT NO./DASH NO. 140468**

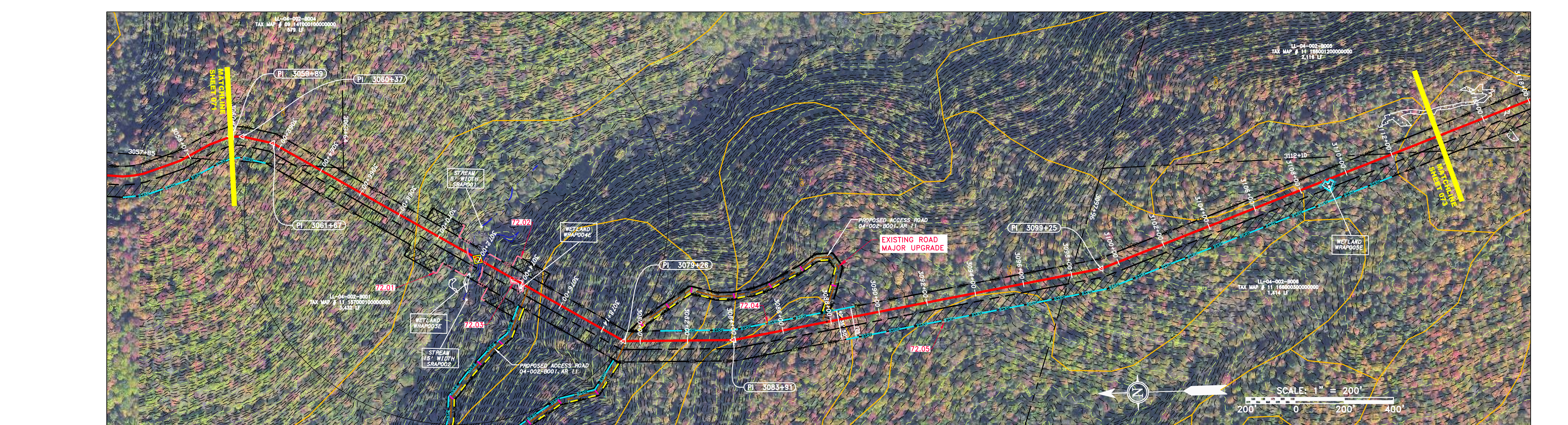
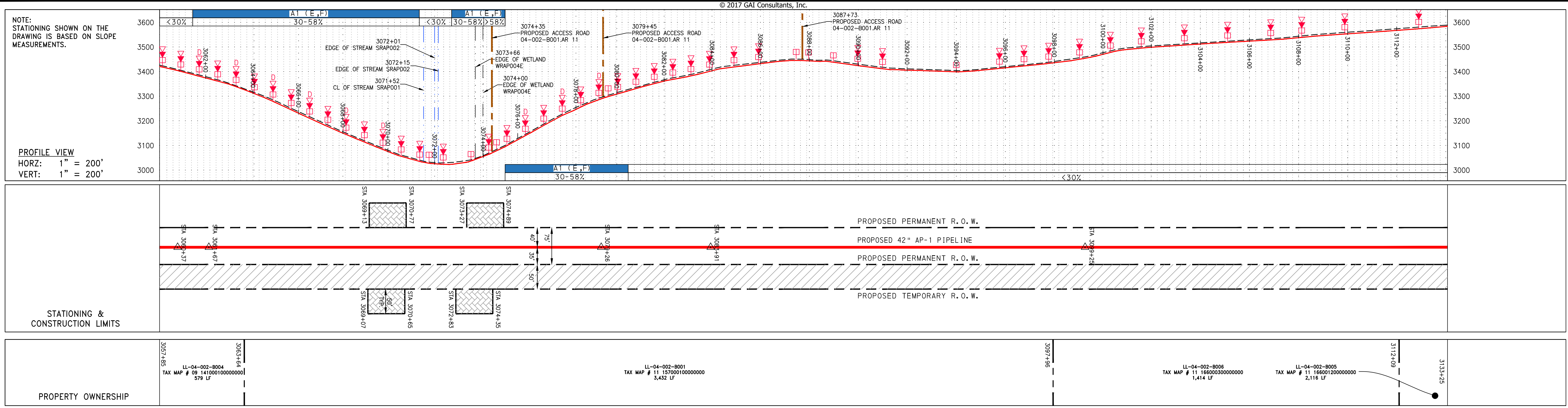
**TASK NO. SUB TASK NO. 005 00**

**GROUP ID DRAWING NO. D E071**

**071 OF 344**

6/2/2017 9:30 AM

J:\2665 -GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET 72.DWG



**PIPE SPECIFICATION**

**STRING VIEW BAND**

**LEGEND**

— X — X —	FENCE	— E —	UNDERGROUND ELECTRIC	— W —	WATER LINE	— G — G —	EXISTING GAS PIPELINE	— OH —	OVERHEAD UTILITY LINES	— — —	ACCESS ROAD	— — —	PROPOSED PERMANENT EASEMENT	— — —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
— — —	PROPERTY LINE	— — —	STORM SEWER	— — —	SANITARY SEWER	— — —	EDGE OF GRAVEL	— — —	EDGE OF WETLAND	— — —	PROPOSED TEMPORARY R.O.W.	— — —	UTILITY POLE	— — —	WETLAND

**NOTES:**

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**REVISIONS**

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

**ERM**

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

**CONSTRUCTION ALIGNMENT STA. 3060+00 TO 3114+00**  
 RANDOLPH COUNTY, WEST VIRGINIA

SCALE: AS SHOWN  
 DATE: 6/2/17  
 DRAWN: JMS  
 CHECKED: DLH  
 APPROVED: NET

**gai consultants**

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

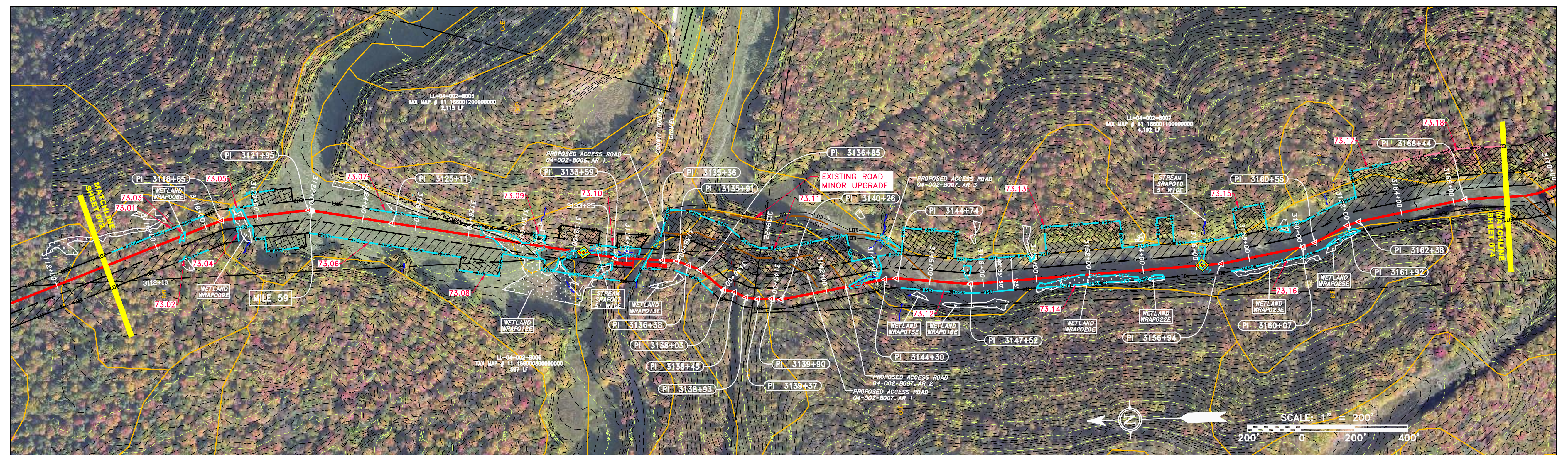
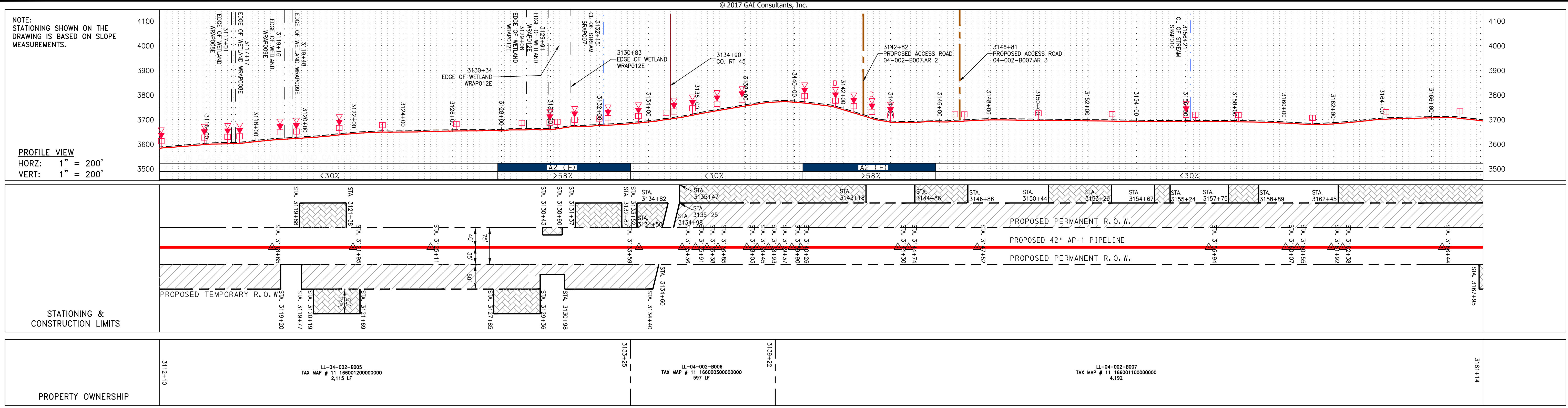
**mbe monaloh basin engineers**

300 BUSINESS CENTER DRIVE  
 PITTSBURGH, PA 15205  
 412-788-2433

PROJECT NO./DASH NO. 140468  
 TASK NO. SUB TASK NO. 005 00  
 GROUP ID DRAWING NO. D E072  
 072 OF 344

6/2/2017 9:25 AM

J:\2665 -GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\1 - REROUTE 1A\ALIGNMENT SHEETS\2665-02\_SPREAD\_1A\_SHEET 73.DWG



**PIPE SPECIFICATION**

**STRING VIEW BAND**

**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	⊙	UTILITY POLE
G-G	EXISTING GAS PIPELINE	—	SANITARY SEWER	▨	EDGE OF GRAVEL	—	PROPOSED PERMANENT EASEMENT
OH	OVERHEAD UTILITY LINES	—	EDGE OF GRAVEL	▨	PROPOSED PERMANENT EASEMENT	▨	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
—	ACCESS ROAD	▨	PROPOSED PERMANENT EASEMENT	▨	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).
—	PROPOSED GAS PIPELINE	▨	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▨	PROPOSED PERMANENT R.O.W.	▨	UTILITY POLE

**NOTES:**

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**REVISIONS**

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

**ERM**

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

SCALE: AS SHOWN  
 DATE: 6/2/17  
 DRAWN: CLM  
 CHECKED: DLH  
 APPROVED: NET

**gai consultants**

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

**mbe monaloh basin engineers**

300 BUSINESS CENTER DRIVE  
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PROJECT NO./DASH NO.  
 140468

TASK NO. SUB TASK NO.  
 005 00

GROUP ID DRAWING NO.  
 D E073

073 OF 344

6/2/2017 9:22 AM