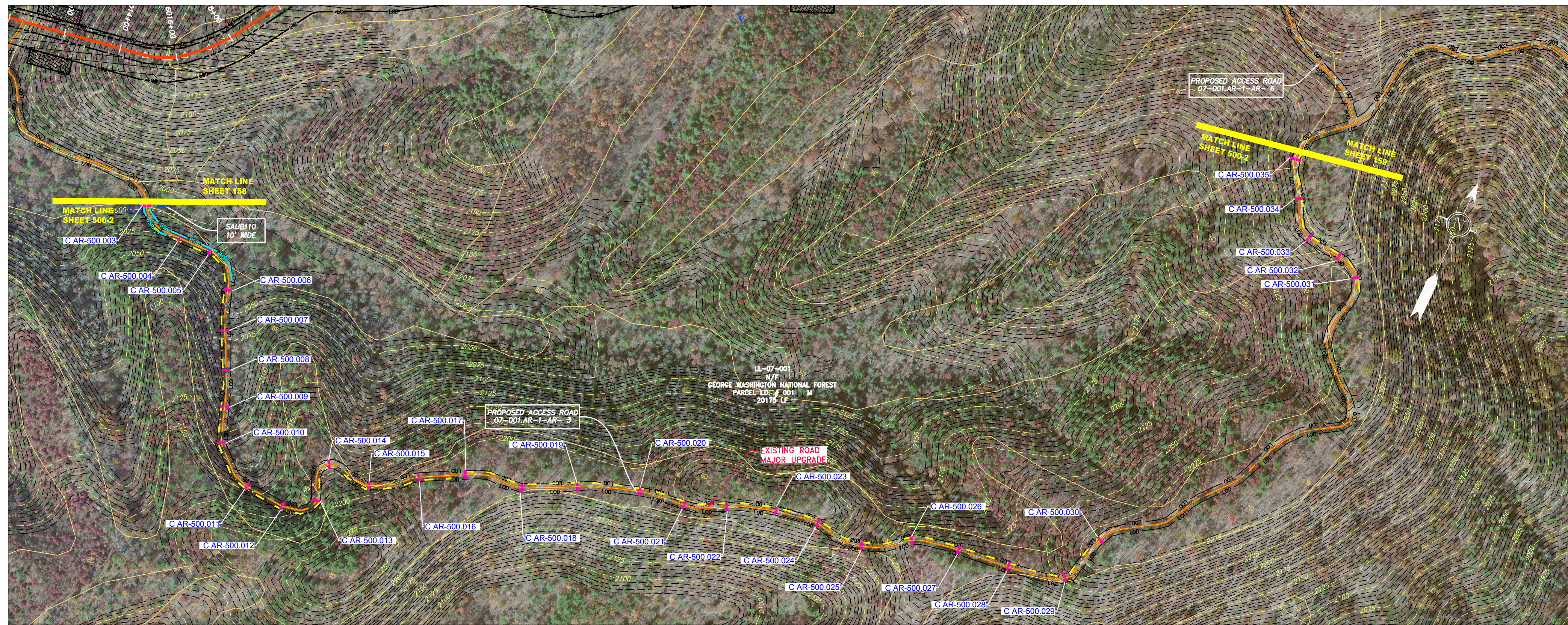
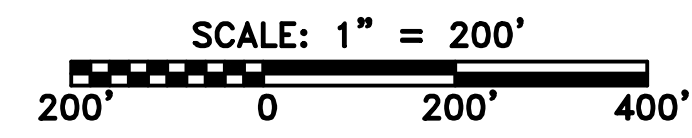


ACCESS ROAD  
DETAIL 1



ACCESS ROAD  
DETAIL 2



**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).

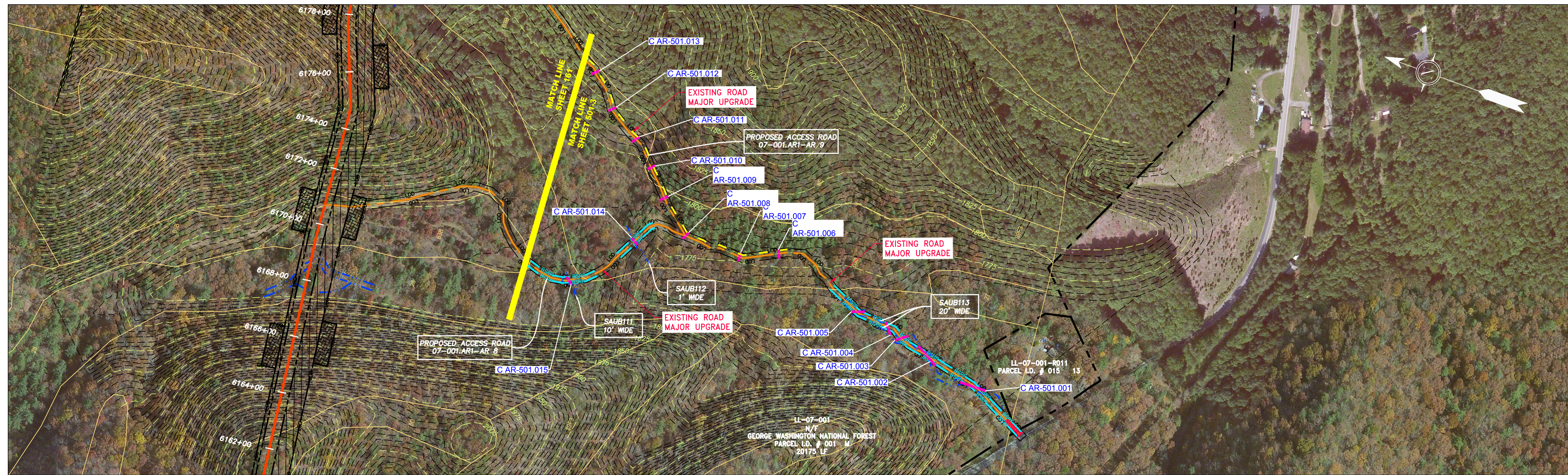
	PERMANENT WATERBAR/SLOPE BREAKER		LIMIT OF DISTURBANCE
	TEMPORARY WATERBAR/SLOPE BREAKER		BELTED SILT RETENTION FENCE (BSRF)
	TRENCH BREAKER/PLUG		COMPOST FILTER SOCK
	STREAM CROSSING		SEDIMENT BARRIER IDENTIFICATION
	USFWS STREAM CROSSING WITH ENHANCED CONTROLS		CULVERT IDENTIFICATION
	SEEP		ORANGE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

- 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.
  - 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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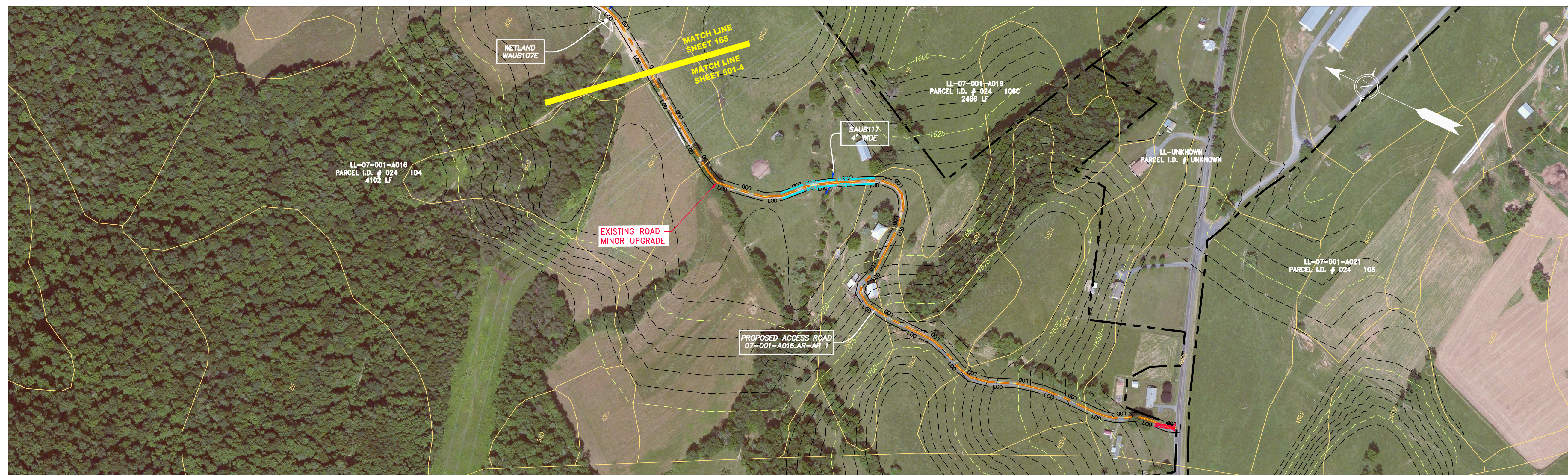
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PROJECT NO./DASH NO. <b>140468</b>									
TASK NO. SUB TASK NO. <b>005 00</b>	GROUP ID DRAWING NO. <b>D E500</b>								
PROJECT NAME <b>42" AP-1 PIPELINE ACCESS ROAD DETAIL</b>									
CLIENT <b>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330</b>									
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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NO.	DATE	BY	DESCRIPTION						

Daniel R. Goldstein  
 Lic. No. 047436



ACCESS ROAD  
DETAIL 3



ACCESS ROAD  
DETAIL 4

GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 3\SEC 3 - ACCESS ROAD DETAILS.DWG

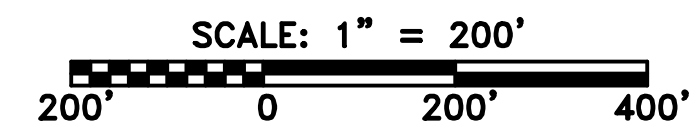
**LEGEND**

	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).

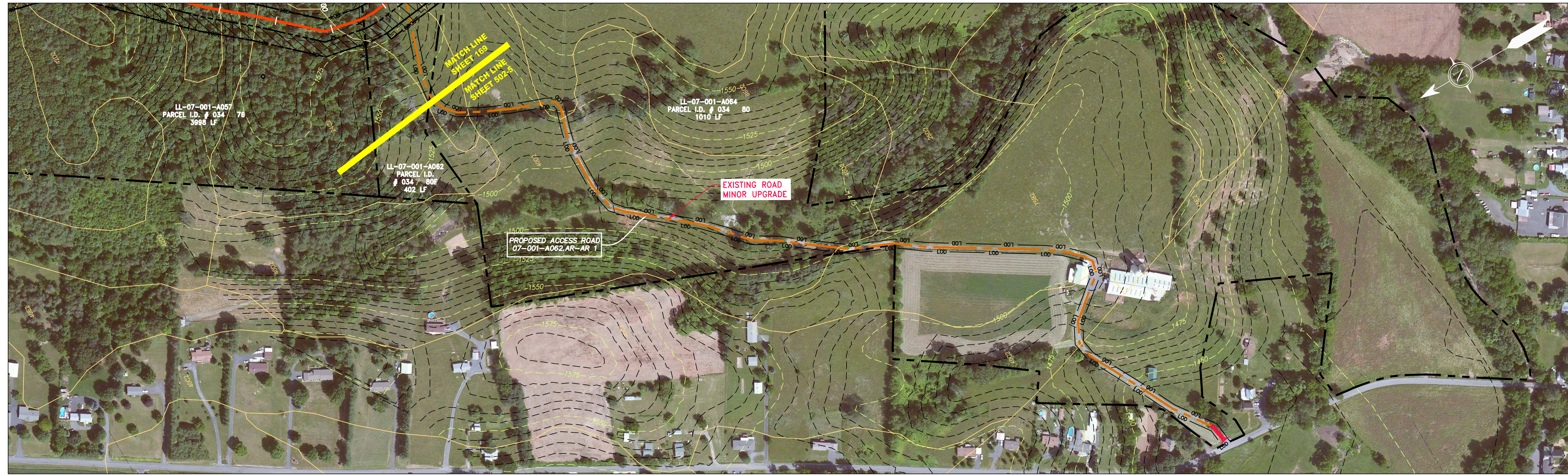
	PERMANENT WATERBAR/SLOPE BREAKER		LIMIT OF DISTURBANCE
	TEMPORARY WATERBAR/SLOPE BREAKER		BELTED SILT RETENTION FENCE (BSRF)
	TRENCH BREAKER/PLUG		COMPOST FILTER SOCK
	STREAM CROSSING		SEDIMENT BARRIER IDENTIFICATION
	USFWS STREAM CROSSING WITH ENHANCED CONTROLS		CULVERT IDENTIFICATION
	SEEP		ORANGE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

- NOTES:**
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  - SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
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  - 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.

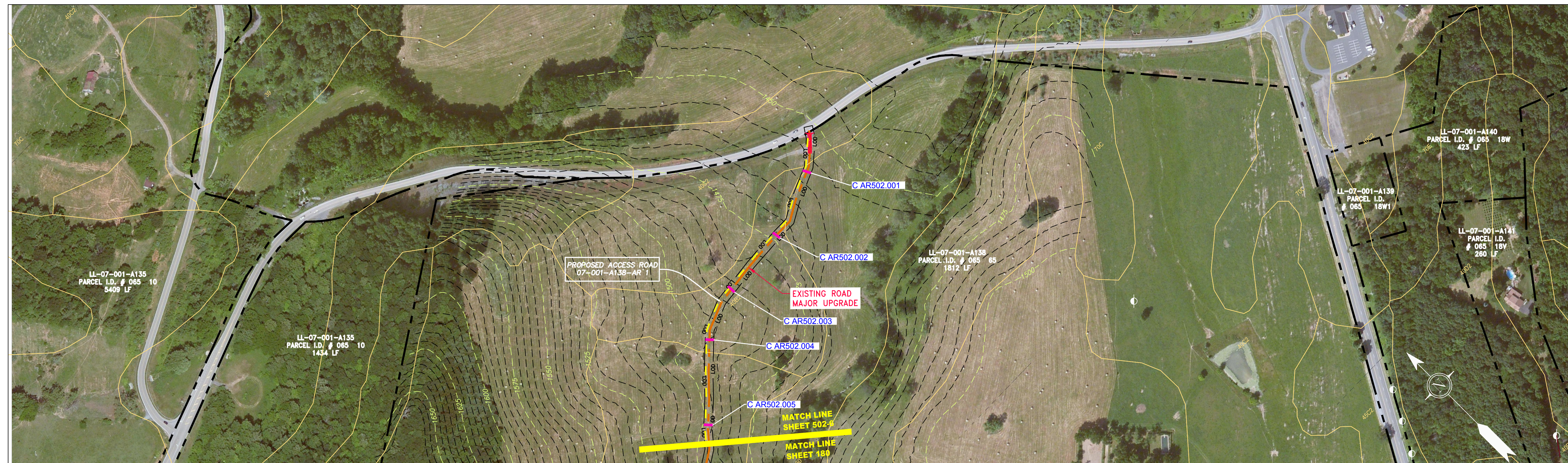


PROJECT NO./DASH NO. <b>140468</b>													
TASK NO. SUB TASK NO. <b>005 00</b>	GROUP ID DRAWING NO. <b>D E501</b>												
PROJECT: 42" AP-1 PIPELINE ACCESS ROAD DETAIL ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330													
SCALE: AS SHOWN	DATE: 3/24/17												
DRAWN: GPT	CHECKED: DLH												
APPROVED: NET													
 SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-873-3545													
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NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION								

Daniel R. Goldstein  
 Lic. No. 047436

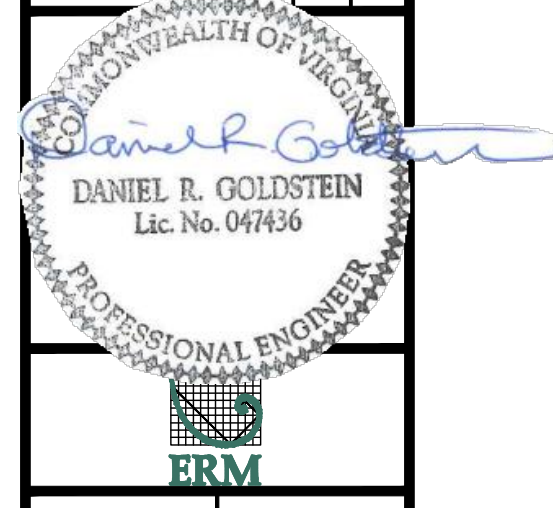


ACCESS ROAD  
DETAIL 5



ACCESS ROAD  
DETAIL 6

NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION



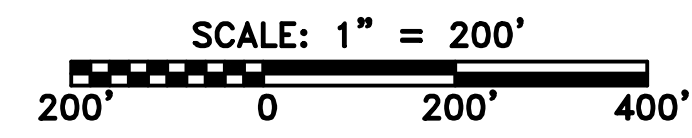
47" AP-1 PIPELINE  
ACCESS ROAD DETAIL  
AUGUSTA COUNTY, VIRGINIA  
ATLANTIC COAST PIPELINE, LLC  
C/O DOMINION TRANSMISSION, INC.  
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

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



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

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E502
	AR-502



**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)

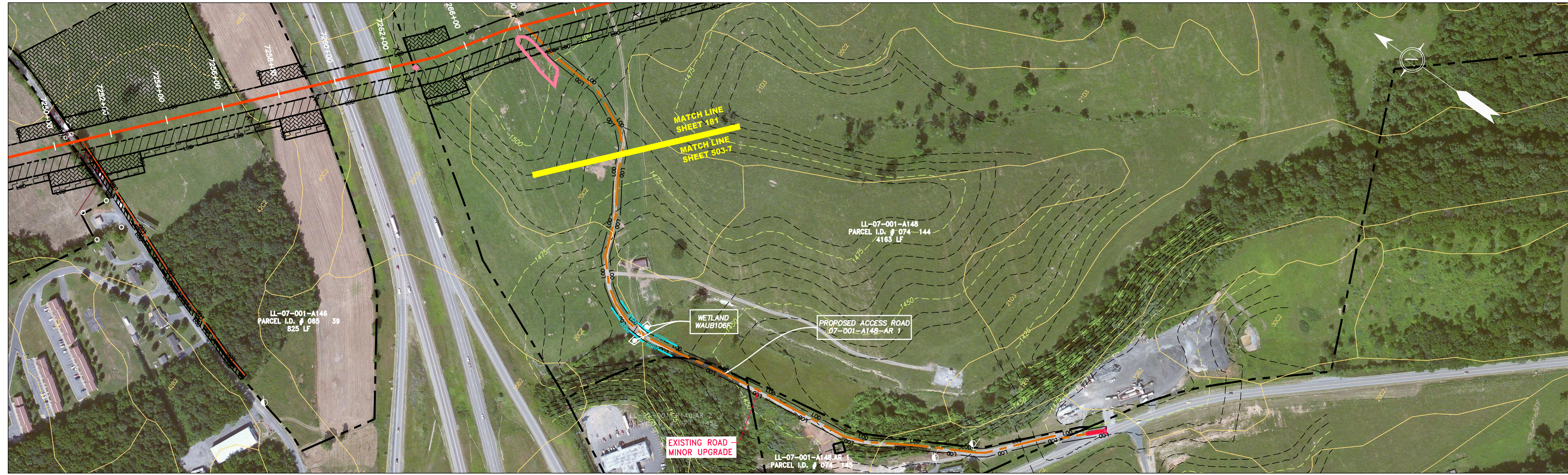
	EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA
	AREA OF NO DISTURBANCE		PROPOSED TEMPORARY R.O.W.
	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		UTILITY POLE

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

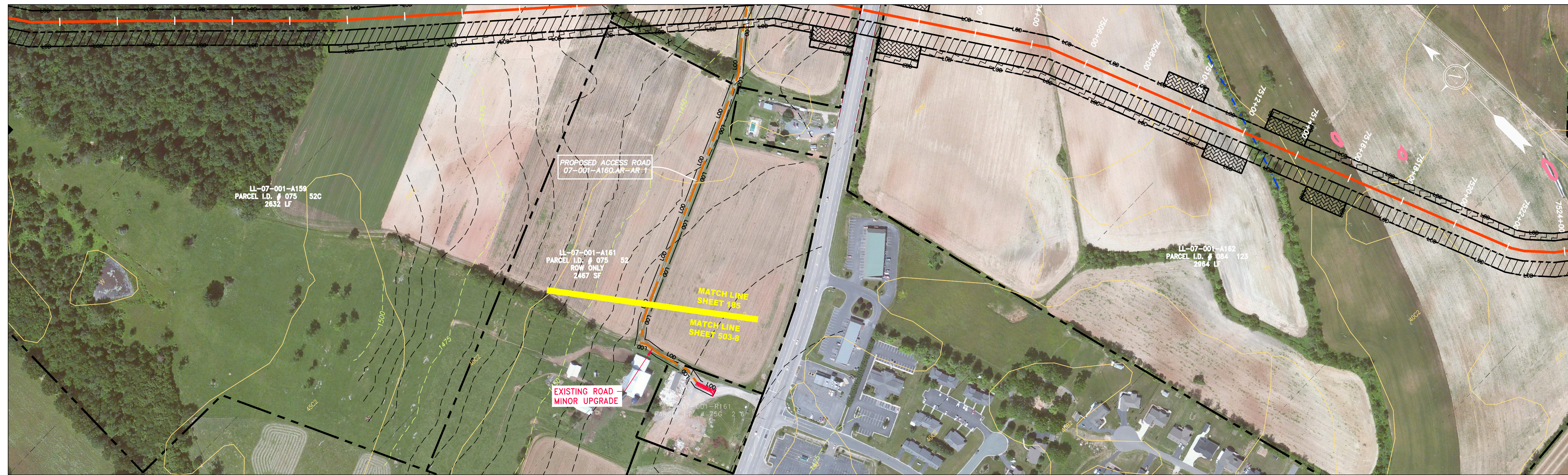
	PERMANENT WATERBAR/SLOPE BREAKER		LIMIT OF DISTURBANCE
	TEMPORARY WATERBAR/SLOPE BREAKER		BELTED SILT RETENTION FENCE (BSRF)
	TRENCH BREAKER/PLUG		COMPOST FILTER SOCK
	STREAM CROSSING		SEDIMENT BARRIER IDENTIFICATION
	USFWS STREAM CROSSING WITH ENHANCED CONTROLS		CULVERT IDENTIFICATION
	SEEP		ORANGE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

**NOTES:**

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ACCESS ROAD  
DETAIL 7



ACCESS ROAD  
DETAIL 8

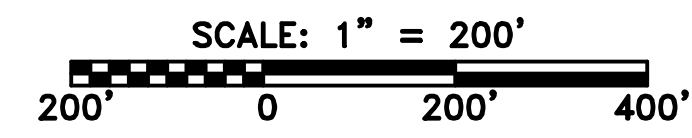
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**LEGEND**

- |           |  |         |                             |               |  |               |                           |
|-----------|--|---------|-----------------------------|---------------|--|---------------|---------------------------|
| — X — X — | PROPERTY LINE                            | — E —   | STORM SEWER                 | [Hatched Box] | EXTRA WORK SPACE                                 | [Hatched Box] | TOPSOIL SEGREGATION AREA  |
| — X — X — | FENCE                                    | — W —   | UNDERGROUND ELECTRIC        | [Dotted Box]  | AREA OF NO DISTURBANCE                           | [Hatched Box] | PROPOSED TEMPORARY R.O.W. |
| — G — G — | EXISTING GAS PIPELINE                    | — SAN — | WATER LINE                  | [Green Box]   | WETLAND<br>(COLOR SHOWN TO PROVIDE CLARITY ONLY) | [Circle]      | UTILITY POLE              |
| — OH —    | OVERHEAD UTILITY LINES                   | —       | SANITARY SEWER              | —             | EDGE OF GRAVEL                                   | —             |                           |
| —         | ACCESS ROAD                              | —       | PROPOSED PERMANENT EASEMENT | —             | PROPOSED GAS PIPELINE                            | —             |                           |
| —         | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | —       |                             | —             |  | —             |                           |

- |            |   |          |  |
|------------|---|----------|--|
| [Triangle] | PERMANENT WATERBAR/SLOPE BREAKER            | — LOD —  | LIMIT OF DISTURBANCE                         |
| [Triangle] | TEMPORARY WATERBAR/SLOPE BREAKER            | — BSRF — | BELTED SILT RETENTION FENCE (BSRF)           |
| [Triangle] | TRENCH BREAKER/PLUG                         | [Line]   | COMPOST FILTER SOCK                          |
| [Diamond]  | STREAM CROSSING                             | [Line]   | SEDIMENT BARRIER IDENTIFICATION              |
| [Diamond]  | USFS STREAM CROSSING WITH ENHANCED CONTROLS | [Line]   | CULVERT IDENTIFICATION                       |
| [Diamond]  | SEEP  | [Line]   | ORANGE SAFETY FENCE                          |
| [Diamond]  | SLOPE DIRECTION                             | [Line]   | ROADSIDE DITCH                               |
| [Diamond]  | CONSTRUCTION ENTRANCE WITH DITCH            | [Line]   | SOIL TYPE                                    |
| [Diamond]  | CULVERT AS NEEDED                           | [Line]   | TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION |
| [Diamond]  | CULVERT WATERBAR                            | [Line]   |  |

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  - IMAGERY TAKEN FROM GOOGLE EARTH.
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PROJECT NO./DASH NO. <b>140468</b>	
TASK NO. SUB TASK NO. <b>005 00</b>	GROUP ID DRAWING NO. <b>D E503</b>
AR-503	

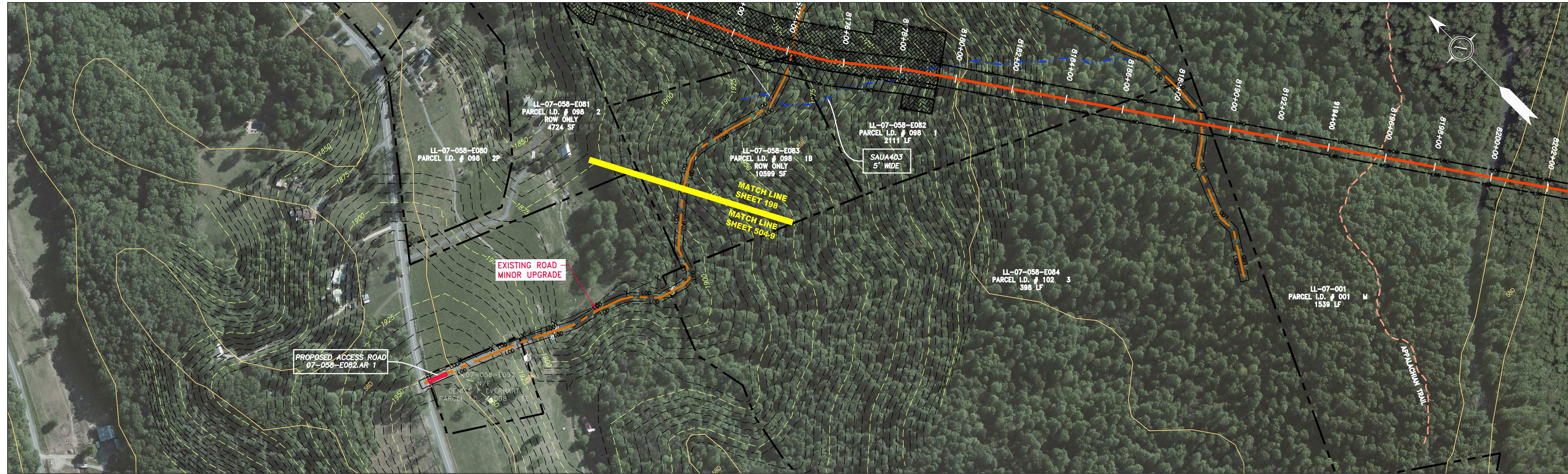
NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

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

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



ACCESS ROAD  
DETAIL 9

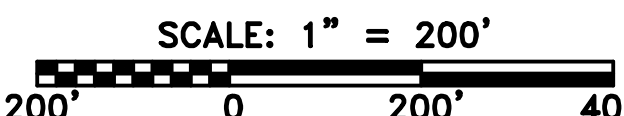
GAI CAD FILE NO. R:\050-5159 - GIA, INC. - SERP - THRASHER - GAI - MAPPING\SURVEY\DRAWING\SEC 3\SEC 3 ACCESS ROAD DETAILS\SEC 3 - ACCESS ROAD DETAILS.DWG

**LEGEND**

— X — X —	PROPERTY LINE	— E —	STORM SEWER	[Hatched Box]	EXTRA WORK SPACE	[Hatched Box]	TOPSOIL SEGREGATION AREA	[Red Triangle]	PERMANENT WATERBAR/SLOPE BREAKER	[Blue Line]	LOD	[Blue Line]	LIMIT OF DISTURBANCE
— E —	FENCE	— W —	UNDERGROUND ELECTRIC	[Dotted Box]	AREA OF NO DISTURBANCE	[Hatched Box]	PROPOSED TEMPORARY R.O.W.	[Red Triangle]	TEMPORARY WATERBAR/SLOPE BREAKER	[Blue Line]	BSRF	[Blue Line]	BELTED SILT RETENTION FENCE (BSRF)
— G — G —	STREAM	— S —	WATER LINE	[Green Box]	UTILITY POLE	[Green Box]	WETLAND	[Yellow Diamond]	TRENCH BREAKER/PLUG	[Blue Line]	111.03	[Blue Line]	COMPOST FILTER SOCK
— OH —	EXISTING GAS PIPELINE	— S —	SANITARY SEWER	[Green Box]	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Yellow Diamond]	STREAM CROSSING WITH ENHANCED CONTROLS	[Blue Line]	C 111.001	[Blue Line]	SEDIMENT BARRIER IDENTIFICATION
— OH —	OVERHEAD UTILITY LINES	— S —	EDGE OF GRAVEL	[Green Box]		[Green Box]	WETLAND	[Yellow Diamond]	USFWS STREAM CROSSING	[Blue Line]	30-58%	[Blue Line]	CULVERT IDENTIFICATION
— OH —	ACCESS ROAD	— S —	PROPOSED PERMANENT EASEMENT	[Green Box]		[Green Box]	WETLAND	[Yellow Diamond]	ROADSIDE DITCH	[Blue Line]	30-58%	[Blue Line]	ORANGE SAFETY FENCE
— OH —	PROPOSED GAS PIPELINE	— S —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Green Box]		[Green Box]	WETLAND	[Yellow Diamond]	CONSTRUCTION ENTRANCE WITH DITCH	[Blue Line]	30-58%	[Blue Line]	ROADSIDE DITCH
				[Green Box]		[Green Box]	WETLAND	[Yellow Diamond]	CULVERT AS NEEDED	[Blue Line]	30-58%	[Blue Line]	SOIL TYPE
				[Green Box]		[Green Box]	WETLAND	[Yellow Diamond]	CULVERT WATERBAR	[Blue Line]	30-58%	[Blue Line]	TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION

**NOTES:**

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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.
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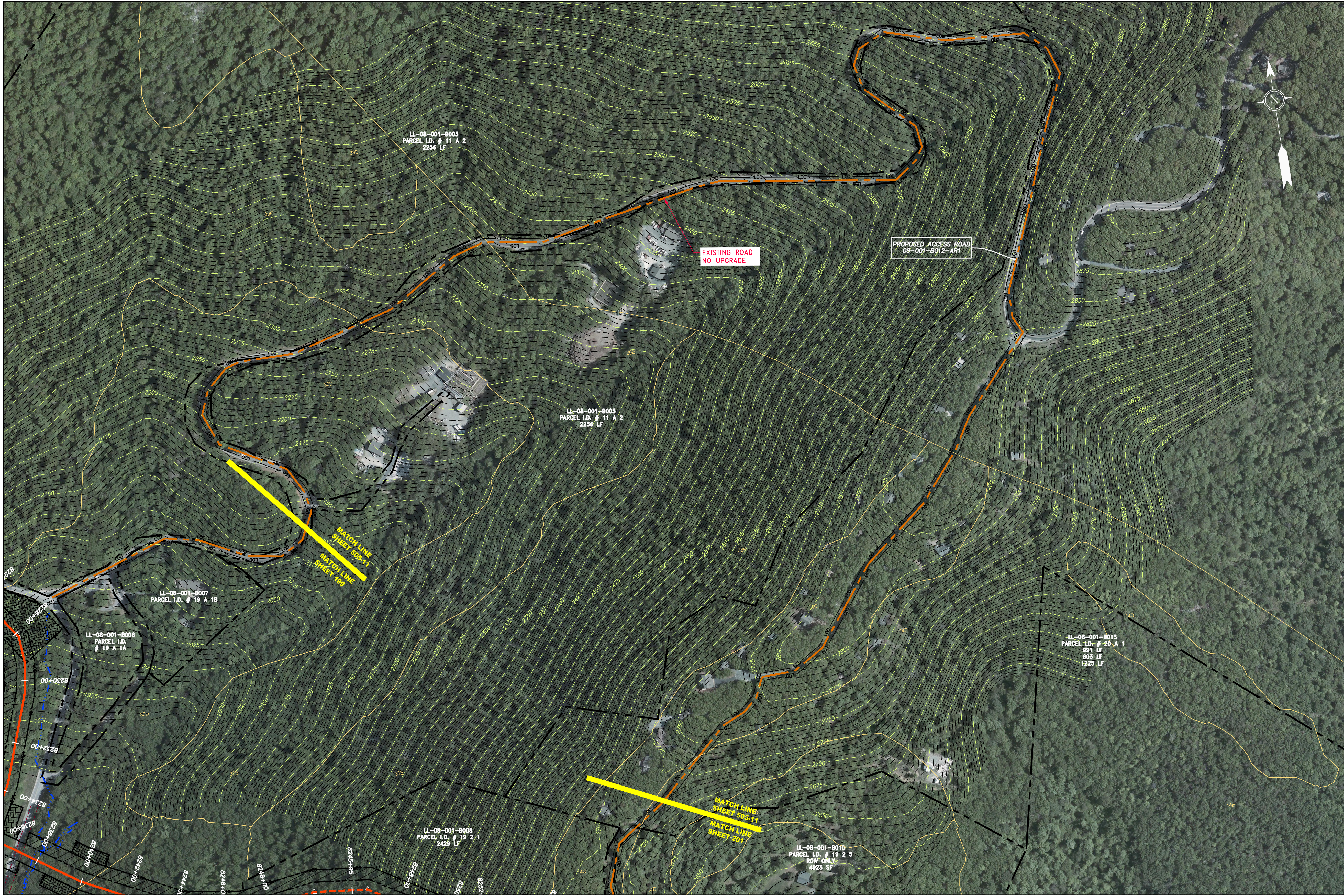


PROJECT NO./DASH NO. <b>140468</b>	
TASK NO. SUB TASK NO. <b>005 00</b>	GROUP ID DRAWING NO. <b>D E504</b>
PROJECT NAME <b>42" AP-1 PIPELINE ACCESS ROAD DETAIL</b>	
CLIENT <b>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330</b>	
SCALE: AS SHOWN	
DATE: 3/24/17	
DRAWN: GPT	
CHECKED: DLH	
APPROVED: NET	
GAI CONSULTANTS SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-873-3545	

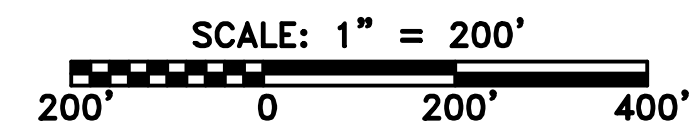
**REVISIONS**

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 3\SEC 3 ACCESS ROAD DETAILS\SEC 3 - ACCESS ROAD DETAILS.DWG



ACCESS ROAD  
DETAIL 10



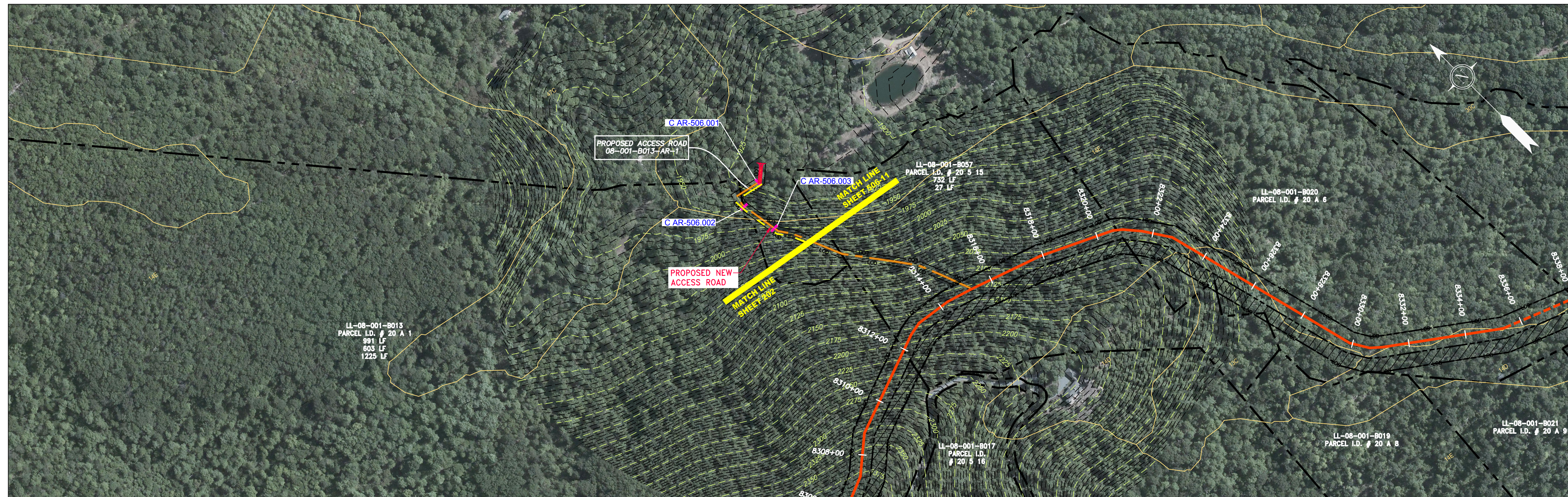
**LEGEND**

- |   |   |  |  |   |
|---|---|--|--|---|
| <ul style="list-style-type: none"> <li>— X — X — PROPERTY LINE</li> <li>— X — X — FENCE</li> <li>— G — G — EXISTING GAS PIPELINE</li> <li>— OH — OVERHEAD UTILITY LINES</li> <li>— — — PROPOSED GAS PIPELINE</li> <li>— — — PROPOSED GAS PIPELINE (NO GROUND SURVEY)</li> </ul> | <ul style="list-style-type: none"> <li>— E — STORM SEWER</li> <li>— W — UNDERGROUND ELECTRIC</li> <li>— — — WATER LINE</li> <li>— — — SAN</li> <li>— — — SANITARY SEWER</li> <li>— — — EDGE OF GRAVEL</li> <li>— — — PROPOSED PERMANENT EASEMENT</li> <li>— — — PROPOSED GAS PIPELINE (NO GROUND SURVEY)</li> </ul> | <ul style="list-style-type: none"> <li>[Hatched Box] EXTRA WORK SPACE</li> <li>[Cross-hatched Box] AREA OF NO DISTURBANCE</li> <li>[Green Box] WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)</li> <li>[Hatched Box] TOPSOIL SEGREGATION AREA</li> <li>[Hatched Box] PROPOSED TEMPORARY R.O.W.</li> <li>[Circle with X] UTILITY POLE</li> </ul> | <ul style="list-style-type: none"> <li>[Red Triangle] PERMANENT WATERBAR/SLOPE BREAKER</li> <li>[Red Triangle] TEMPORARY WATERBAR/SLOPE BREAKER</li> <li>[Red Triangle] TRENCH BREAKER/PLUG</li> <li>[Blue Diamond] STREAM CROSSING</li> <li>[Blue Diamond] USFWS STREAM CROSSING WITH ENHANCED CONTROLS</li> <li>[Blue Diamond] SEEP</li> <li>[Blue Arrow] SLOPE DIRECTION</li> <li>[Blue Arrow] CONSTRUCTION ENTRANCE WITH DITCH</li> <li>[Blue Arrow] CULVERT AS NEEDED</li> <li>[Blue Arrow] CULVERT WATERBAR</li> </ul> | <ul style="list-style-type: none"> <li>— LOD — LIMIT OF DISTURBANCE</li> <li>— BSRF — BELTED SILT RETENTION FENCE (BSRF)</li> <li>— — — COMPOST FILTER SOCK</li> <li>— — — SEDIMENT BARRIER IDENTIFICATION</li> <li>— — — CULVERT IDENTIFICATION</li> <li>— — — ORANGE SAFETY FENCE</li> <li>— — — ROADSIDE DITCH</li> <li>— — — SOIL TYPE</li> <li>— — — TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION</li> </ul> |
|---|---|--|--|---|

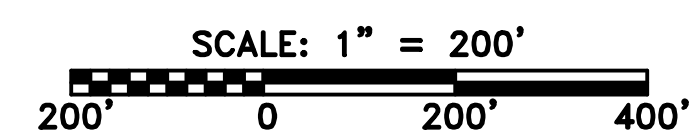
**NOTES:**

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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.
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13. 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.

<p>47" AP-1 PIPELINE ACCESS ROAD DETAIL NELSON COUNTY, VIRGINIA</p> <p>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 10%;">DWN.</th> <th style="width: 10%;">CHKD.</th> <th style="width: 10%;">APPD.</th> <th style="width: 49%;">DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION						
NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION								
<p>SCALE: AS SHOWN</p> <p>DATE: 3/24/17</p> <p>DRAWN: GPT</p> <p>CHECKED: DLH</p> <p>APPROVED: NET</p>													
<p>SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-873-3545</p>													
<p>PROJECT NO./DASH NO. <b>140468</b></p> <p>TASK NO. SUB TASK NO. <b>005 00</b></p> <p>GROUP ID DRAWING NO. <b>D E505</b></p> <p style="text-align: right;"><b>AR-505</b></p>													



ACCESS ROAD  
DETAIL 11



**LEGEND**

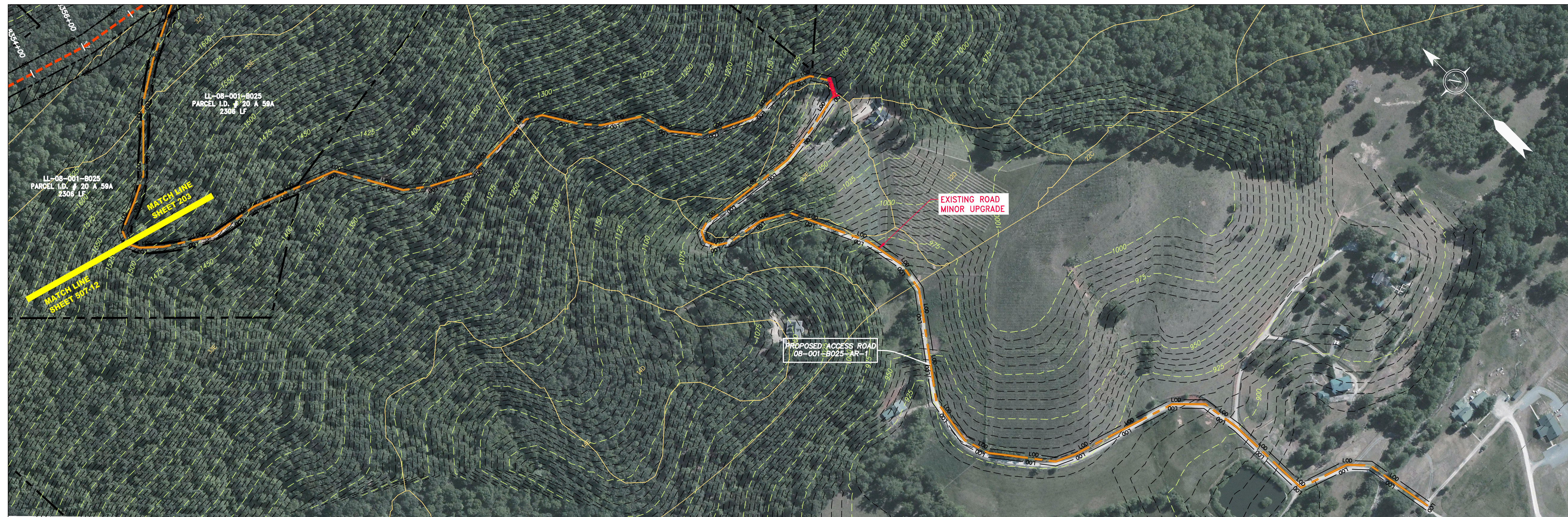
	PROPERTY LINE		STORM SEWER		EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA		STREAM CROSSING		LIMIT OF DISTURBANCE
	FENCE		UNDERGROUND ELECTRIC		AREA OF NO DISTURBANCE		PROPOSED TEMPORARY R.O.W.		USFWS STREAM CROSSING WITH ENHANCED CONTROLS		BELTED SILT RETENTION FENCE (BSRF)
	STREAM		WATER LINE		WETLAND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

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

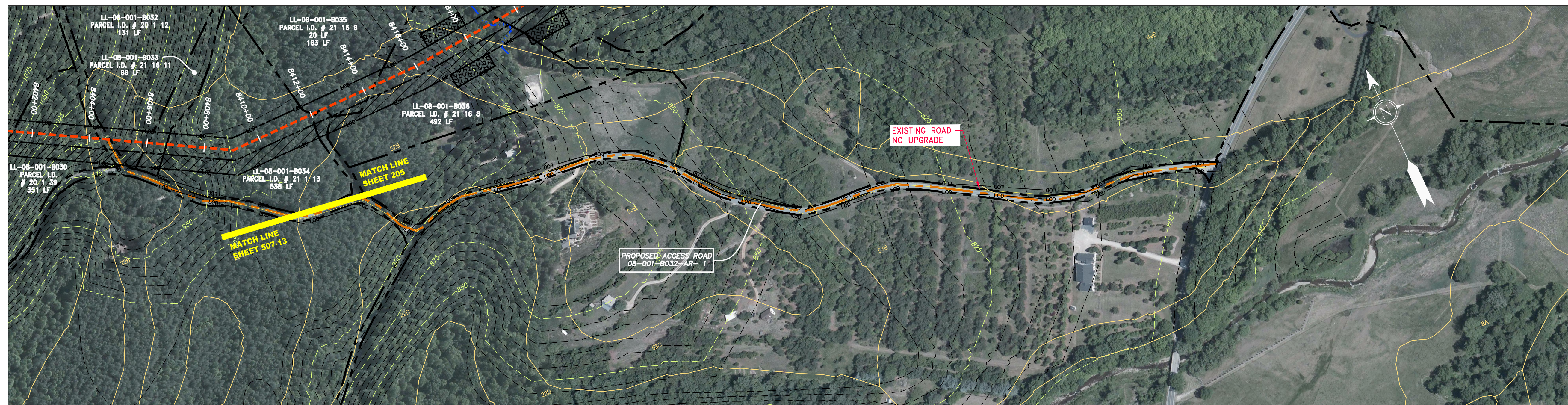
**NOTES:**

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<p>47" AP-1 PIPELINE ACCESS ROAD DETAIL NELSON COUNTY, VIRGINIA</p> <p>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 10%;">DWN.</th> <th style="width: 10%;">CHKD.</th> <th style="width: 10%;">APPVD.</th> <th style="width: 50%;">DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION												
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<p>SCALE: AS SHOWN</p> <p>DATE: 3/24/17</p> <p>DRAWN: GPT</p> <p>CHECKED: DLH</p> <p>APPROVED: NET</p>																			
<p>SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-873-3545</p>																			
<p>PROJECT NO./DASH NO. <b>140468</b></p> <p>TASK NO. SUB TASK NO. <b>005 00</b></p> <p>GROUP ID DRAWING NO. <b>D E506</b></p> <p><b>AR-506</b></p>																			



ACCESS ROAD  
DETAIL 12



ACCESS ROAD  
DETAIL 13

GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GAI, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 3\SEC 3 - ACCESS ROAD DETAILS.DWG

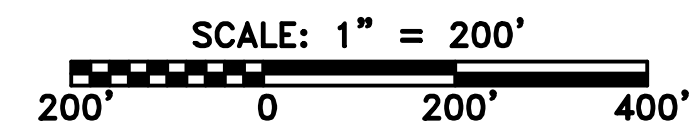
**LEGEND**

	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
	PROPOSED GAS PIPELINE		PROPOSED PERMANENT EASEMENT		TRENCH BREAKER/PLUG		STREAM CROSSING
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		PROPOSED TEMPORARY EASEMENT		USFWS STREAM CROSSING WITH ENHANCED CONTROLS		ROADSIDE DITCH

	LIMIT OF DISTURBANCE		SLOPE DIRECTION		SOIL TYPE
	BELTED SILT RETENTION FENCE (BSRF)		CULVERT AS NEEDED		TYPICAL BIG SLOPE CATEGORY
	COMPOST FILTER SOCK		CULVERT WATERBAR		SLOPE INCLINATION
	SEDIMENT BARRIER IDENTIFICATION		111.03		30-58%
	CULVERT IDENTIFICATION		111.00		30-58%
	ORANGE SAFETY FENCE		111.00		30-58%
	ROADSIDE DITCH		111.00		30-58%

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PROJECT NO./DASH NO. <b>140468</b>	
TASK NO. SUB TASK NO. <b>005 00</b>	GROUP ID DRAWING NO. <b>D E507</b>
AR-507	

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

47" AP-1 PIPELINE  
ACCESS ROAD DETAIL  
NELSON COUNTY, VIRGINIA

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

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