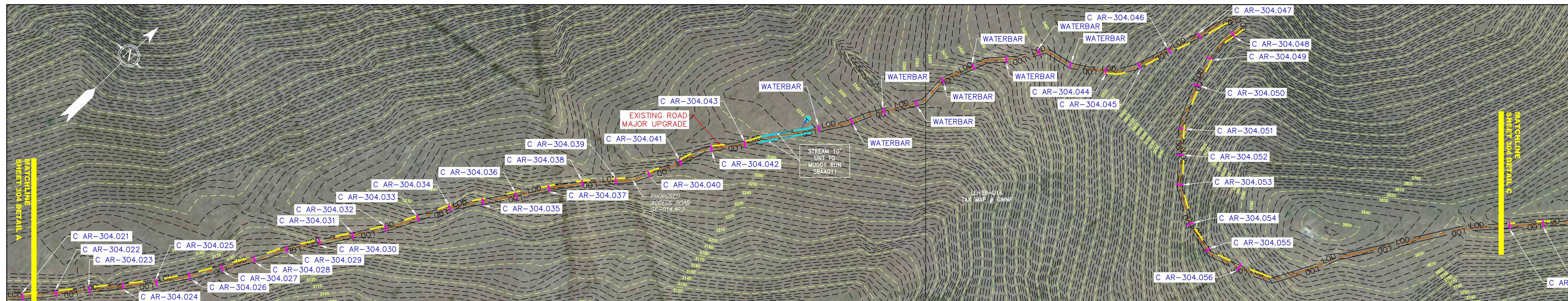


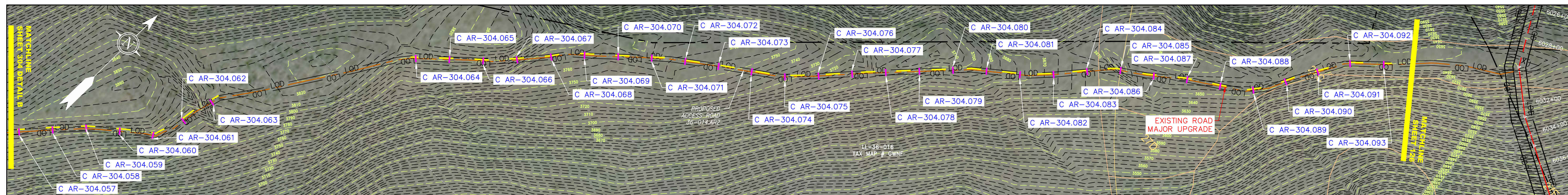
SCALE: 1" = 300'
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ACCESS ROAD DETAIL A
36-014.AR2



SCALE: 1" = 300'
300' 0 300' 600'

ACCESS ROAD DETAIL B
36-014.AR2



SCALE: 1" = 300'
300' 0 300' 600'

ACCESS ROAD DETAIL C
36-014.AR2

LEGEND

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

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

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.
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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.
- 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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G:\CONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\CAD\MON FOREST REROUTE\DWG_PREVIOUS FERC FILING DWGS_ALIGNMENT SHEETS\C140468-00-000-00-E-AR-304-AR-308.DWG

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION



42" AP-1 PIPELINE
ACCESS ROAD DETAIL
BATH COUNTY, VIRGINIA

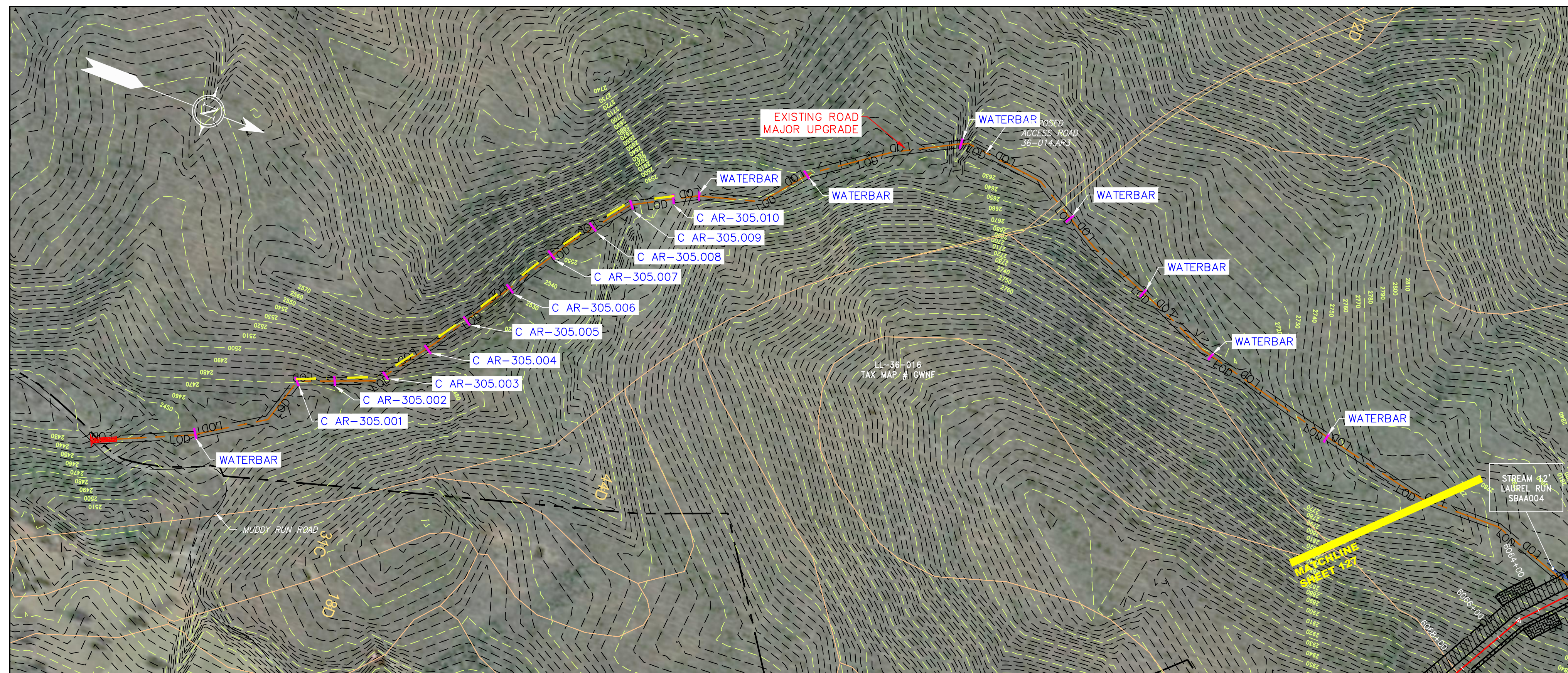
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN
DATE: 06/01/17
DRAWN: CJF
CHECKED: DLH
APPROVED: NET

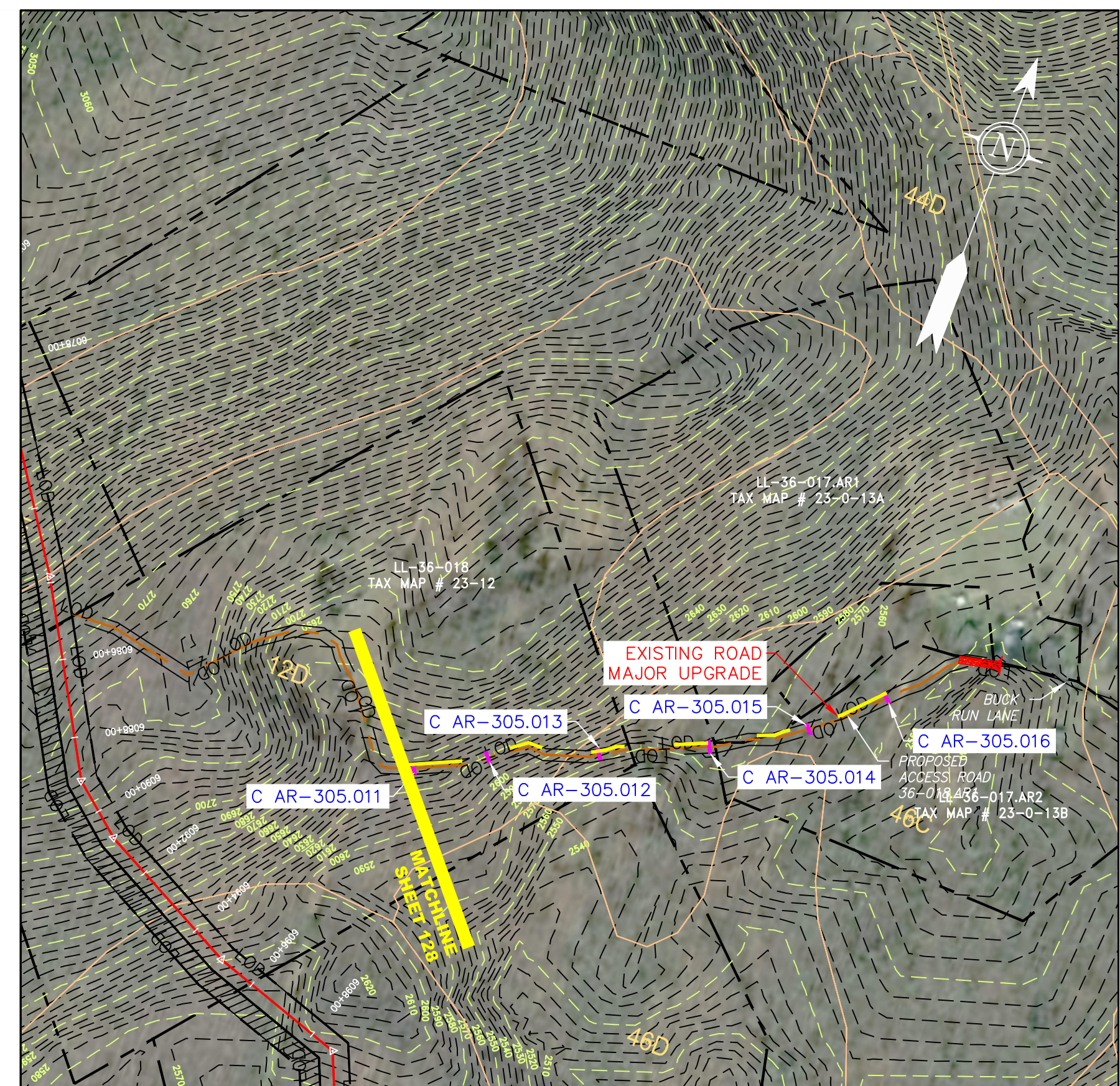


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TASK NO.	SUB TASK NO.	
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GROUP ID	DRAWING NO.	
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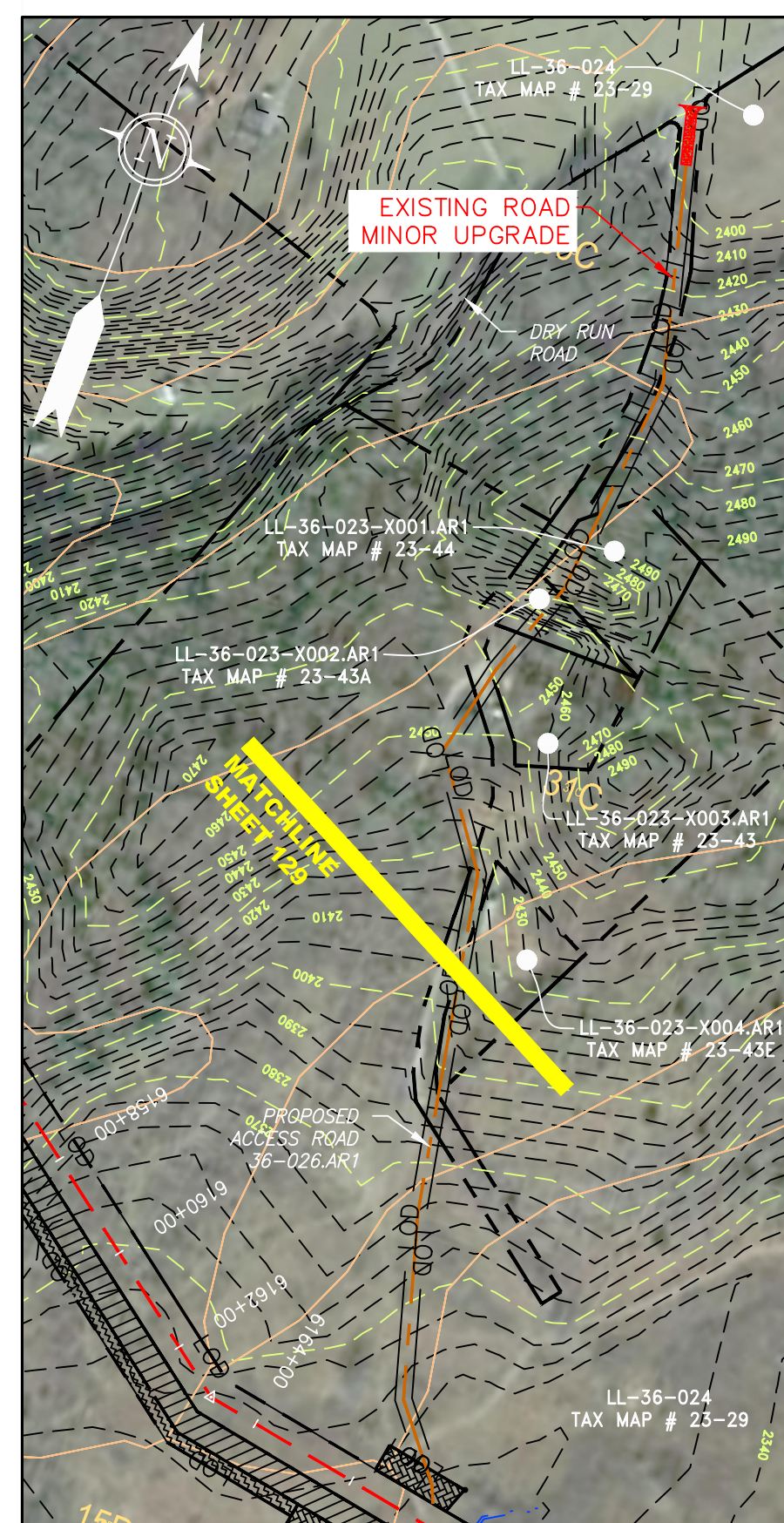
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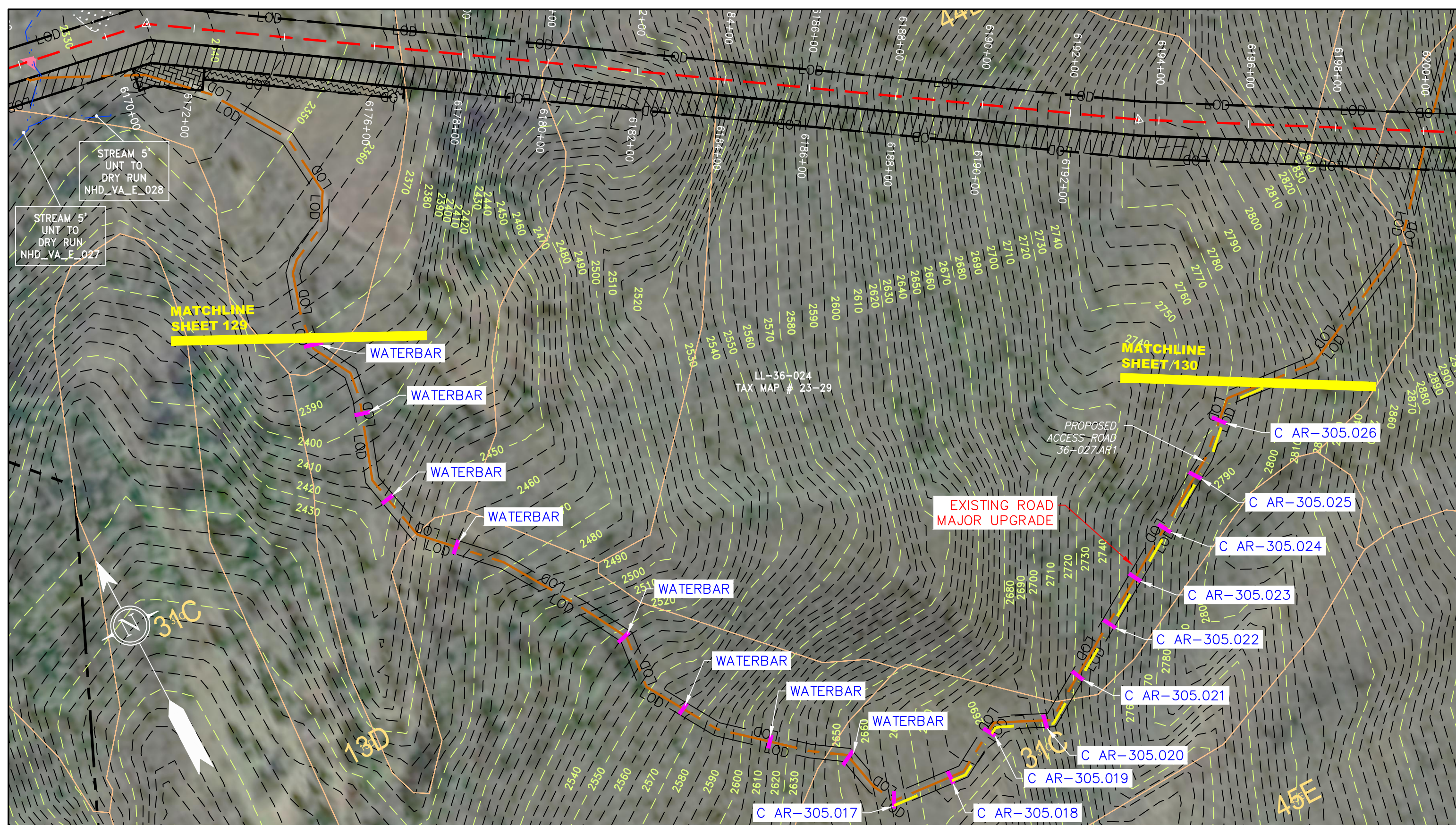
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ACCESS ROAD DETAIL
36-014.AR3



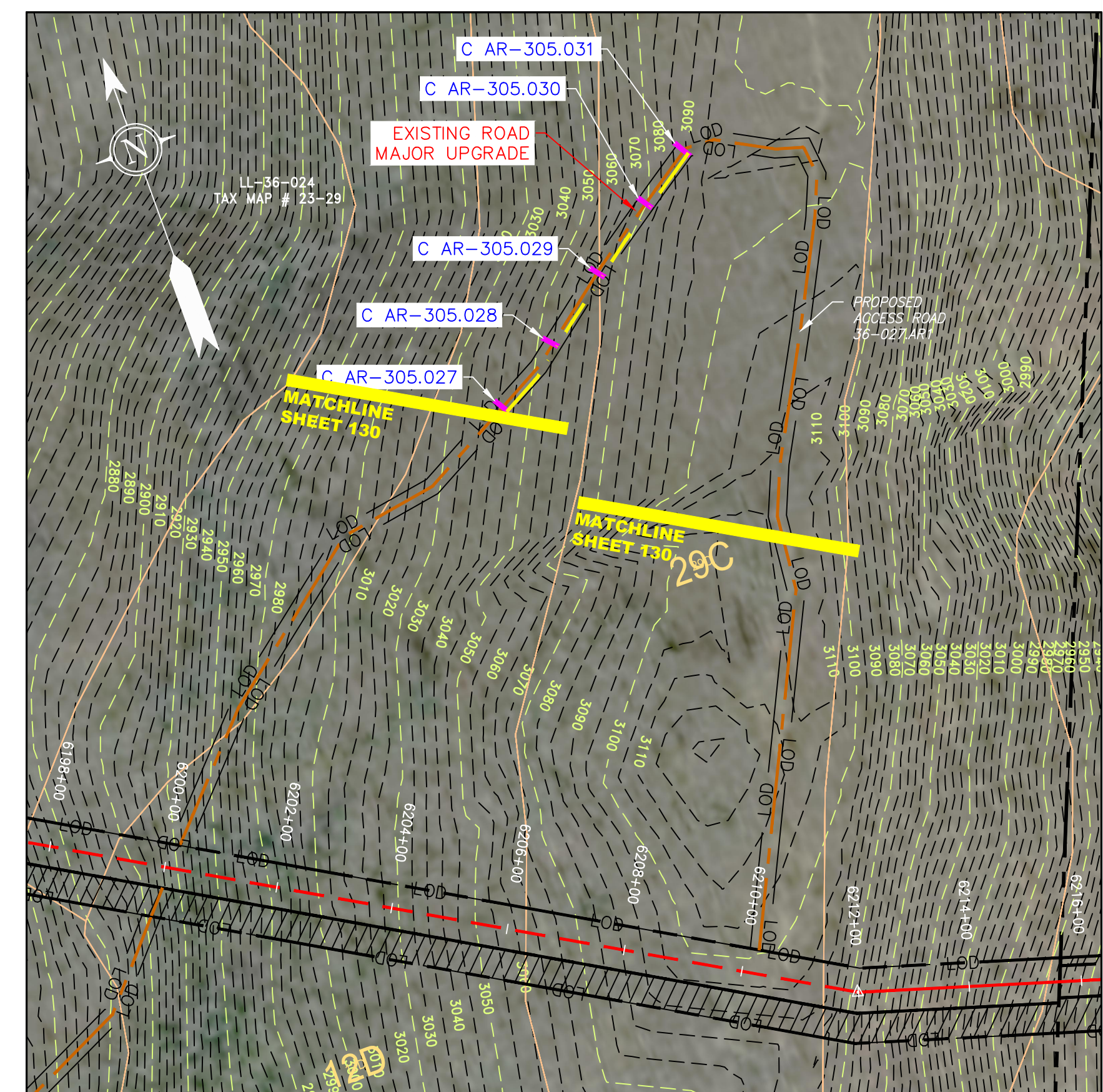
SCALE: 1" = 300'
ACCESS ROAD DETAIL
36-018.AR1



SCALE: 1" = 300'
ACCESS ROAD DETAIL
36-026.AR1



SCALE: 1" = 200'
ACCESS ROAD DETAIL
36-027.AR1



SCALE: 1" = 200'
ACCESS ROAD DETAIL
36-027.AR1

LEGEND

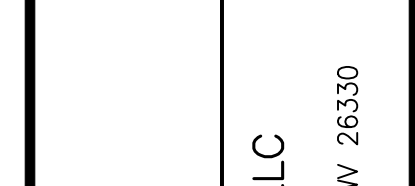
	PROPERTY LINE		STORM SEWER		EXTRA WORK SPACE		LIMIT OF DISTURBANCE
	FENCE		UNDERGROUND ELECTRIC		AREA OF NO DISTURBANCE		BELTED SILT RETENTION FENCE (BSRF)
	STREAM		WATER LINE		TOPSOIL SEGREGATION AREA		COMPOST FILTER SOCK
	EXISTING GAS PIPELINE		SANITARY SEWER		PROPOSED TEMPORARY R.O.W.		SEDIMENT BARRIER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

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

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION



42" AP-1 PIPELINE
ACCESS ROAD DETAIL
BATH COUNTY, VIRGINIA

ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26630

SCALE: AS SHOWN
DATE: 06/01/17
DRAWN: CJF
CHECKED: DLH
APPROVED: NET



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 AR-305

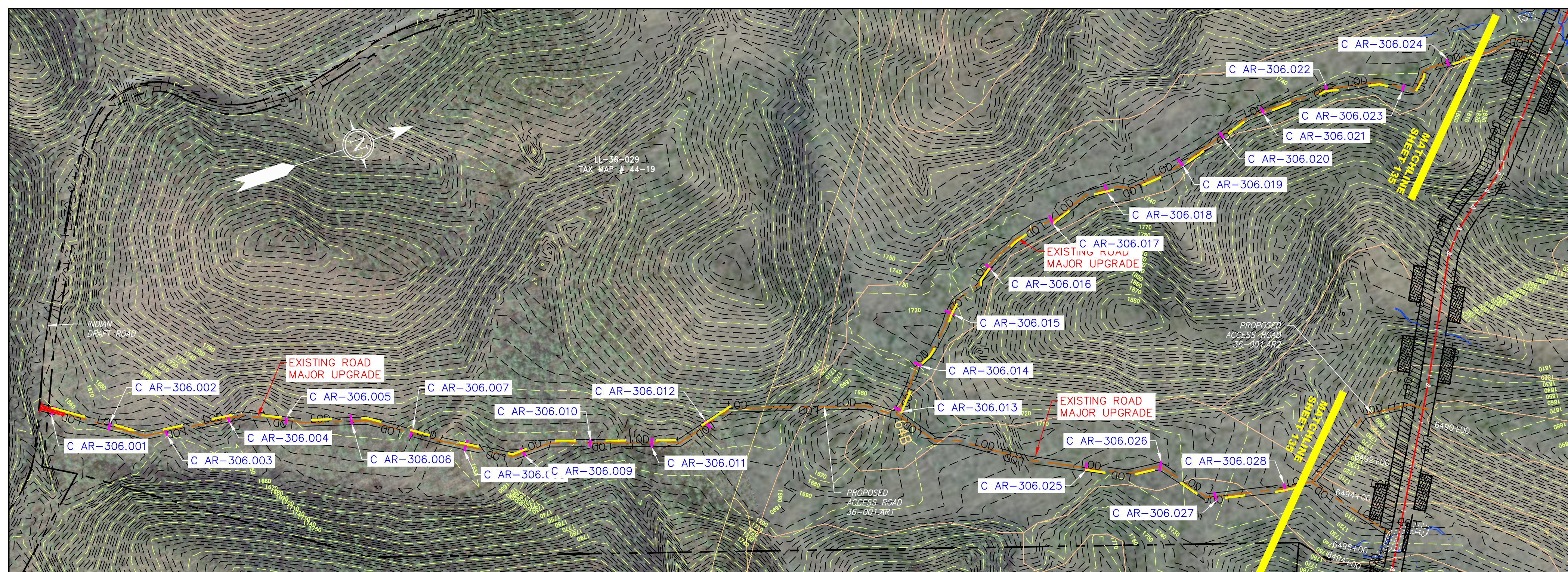
AR-305

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6/6/2017 9:18 AM



SCALE: 1" = 400'
ACCESS ROAD DETAIL
36-016.AR1



SCALE: 1" = 300'
ACCESS ROAD DETAIL
36-001.AR1

LEGEND

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

- NOTES:**
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G:\CONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\CAD\MON FOREST REROUTE\DWG\PREVIOUS FERC FILING DWGS\ALIGNMENT SHEETS\C140468-00-000-00-E-AR-304-AR-308.DWG

NO.	DATE	DWN.	CHKD.	APPRO.	DESCRIPTION



ERM

42" AP-1 PIPELINE
ACCESS ROAD DETAIL
BATH COUNTY, VIRGINIA

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

SCALE: AS SHOWN
DATE: 06/01/17
DRAWN: CJF
CHECKED: DLH
APPROVED: NET



mbe
monahon basin
engineers

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

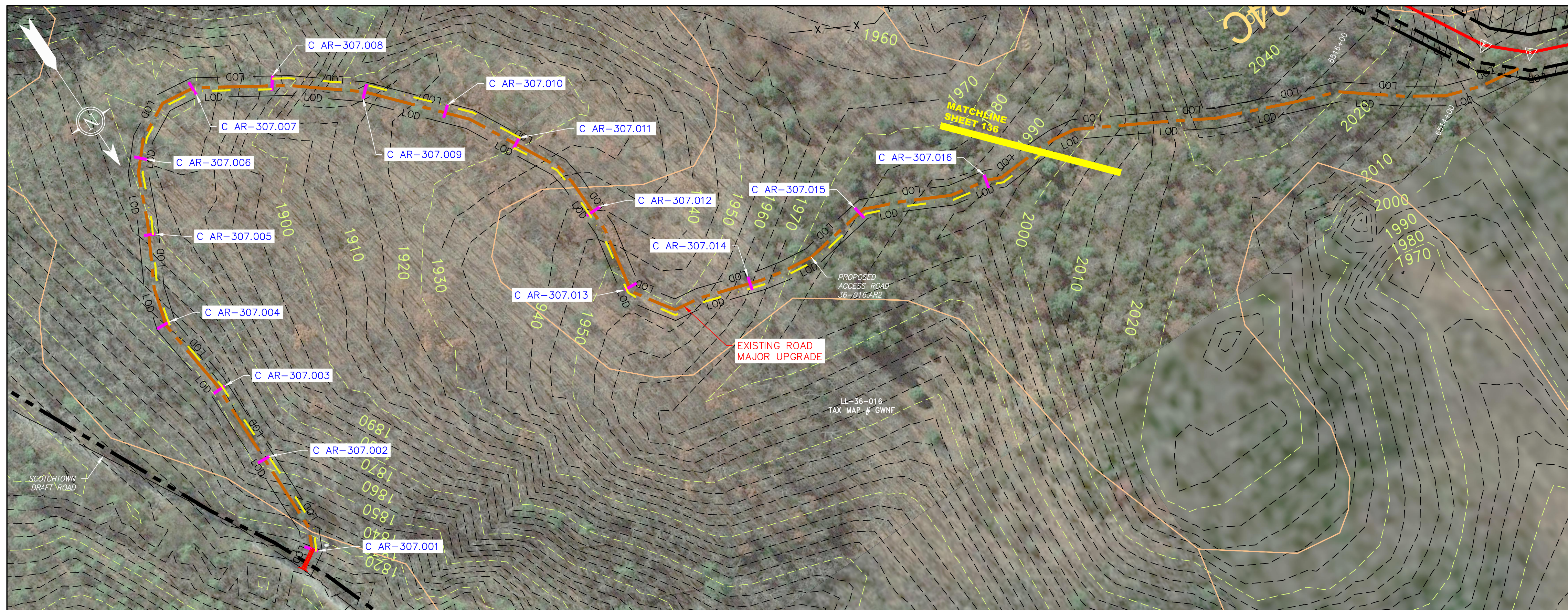
PROJECT NO./DASH NO.
140468

TASK NO. SUB TASK NO.
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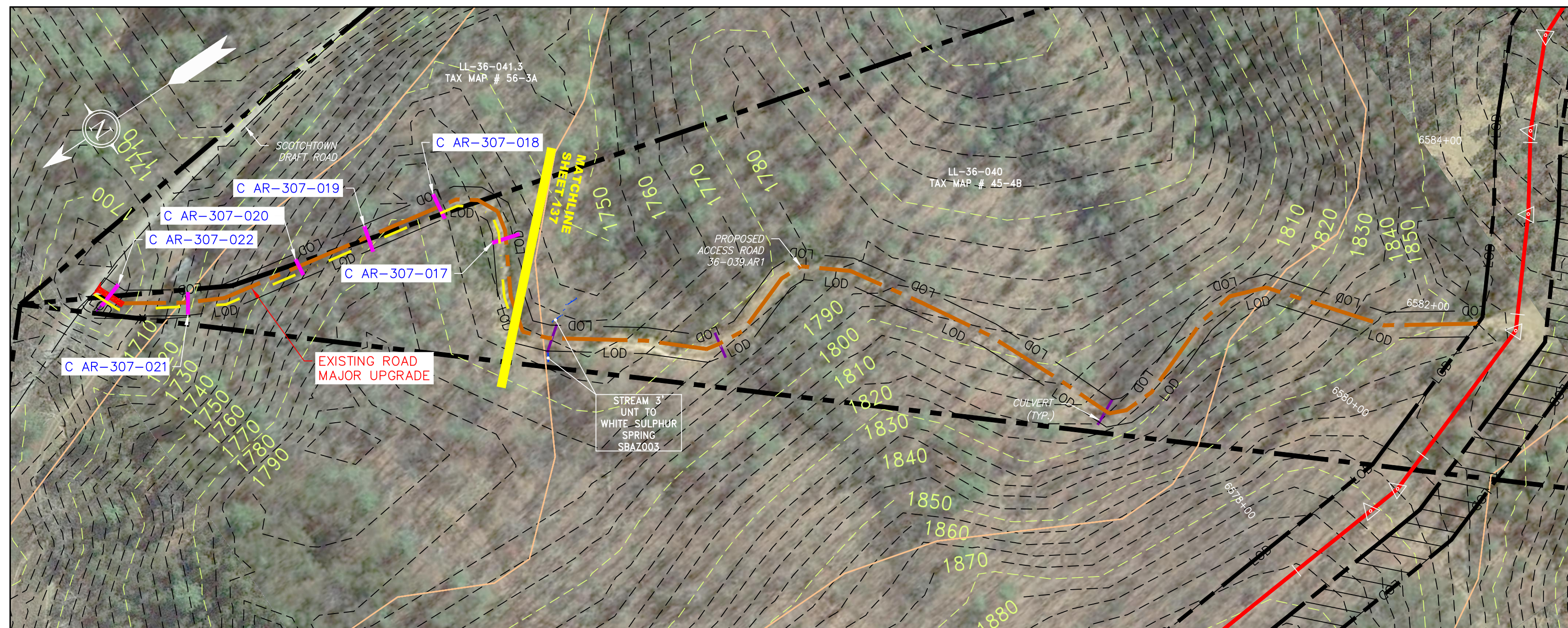
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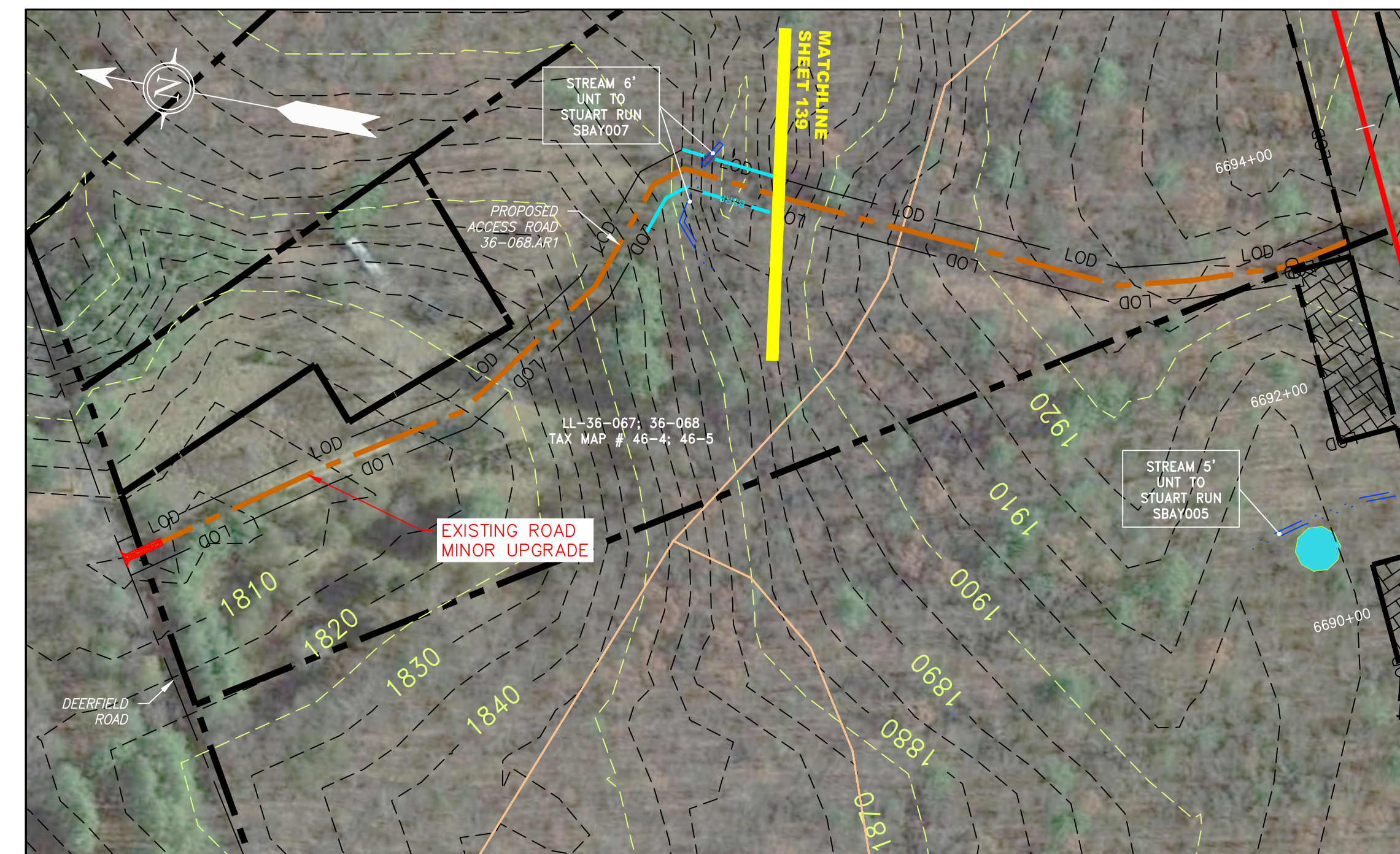
6/6/2017 9:18 AM



SCALE: 1" = 100'
100' 0 100' 200'
ACCESS ROAD DETAIL
36-016.AR2



SCALE: 1" = 100'
100' 0 100' 200'
ACCESS ROAD DETAIL
36-039.AR1



SCALE: 1" = 100'
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ACCESS ROAD DETAIL
36-068.AR1

LEGEND

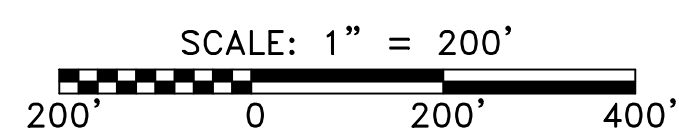
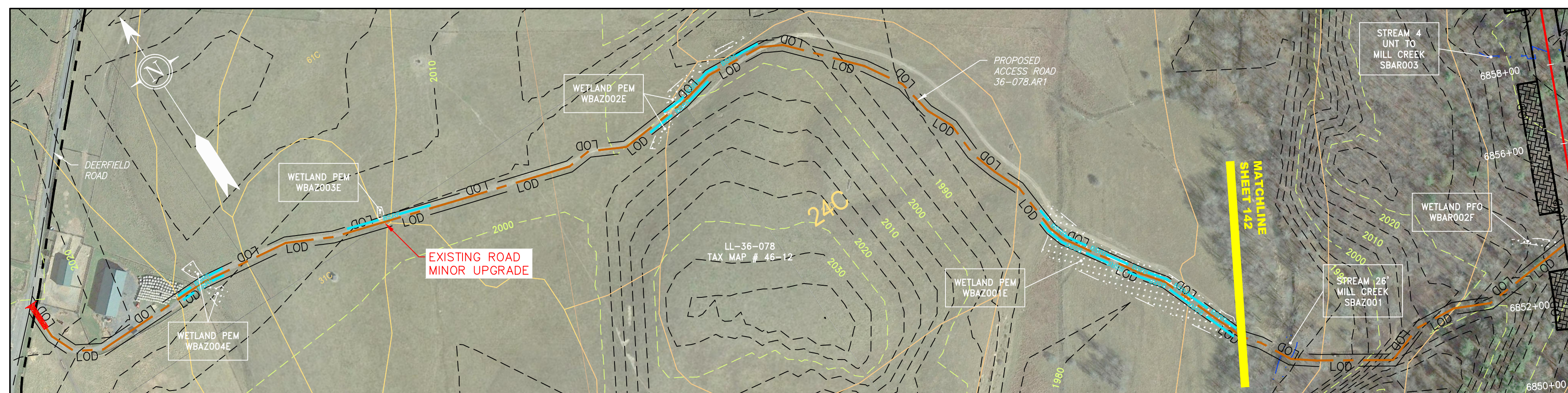
	PROPERTY LINE		STORM SEWER		EXTRA WORK SPACE		LIMIT OF DISTURBANCE
	FENCE		UNDERGROUND ELECTRIC		TOPSOIL SEGREGATION AREA		BELTED SILT RETENTION FENCE (BSRF)
	STREAM		WATER LINE		AREA OF NO DISTURBANCE		COMPOST FILTER SOCK
	EXISTING GAS PIPELINE		SANITARY SEWER		WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		SEDIMENT BARRIER IDENTIFICATION
	OVERHEAD UTILITY LINES		EDGE OF GRAVEL		PROPOSED TEMPORARY R.O.W.		CULVERT SAFETY FENCE
	ACCESS ROAD		PROPOSED PERMANENT EASEMENT		UTILITY POLE		ROADSIDE DITCH
	PROPOSED GAS PIPELINE		PROPOSED GAS PIPELINE (NO GROUND SURVEY)	NOTES: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).			
	PERMANENT WATERBAR/SLOPE BREAKER		TEMPORARY WATERBAR/SLOPE BREAKER		STREAM CROSSING		USFWS STREAM CROSSING WITH ENHANCED CONTROLS
	TRENCH BREAKER/PLUG		STREAM CROSSING		SEEP		SLOPE DIRECTION
	SLOPE DIRECTION		CONSTRUCTION ENTRANCE WITH DITCH		CULVERT AS NEEDED		CULVERT WATERBAR
	SLOPE INCLINE		SLOPE INCLINE		SLOPE INCLINE		SLOPE INCLINE

NOTES:

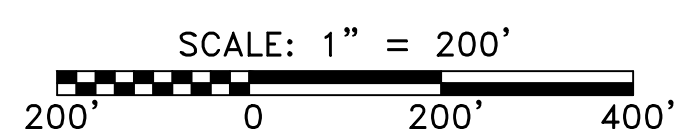
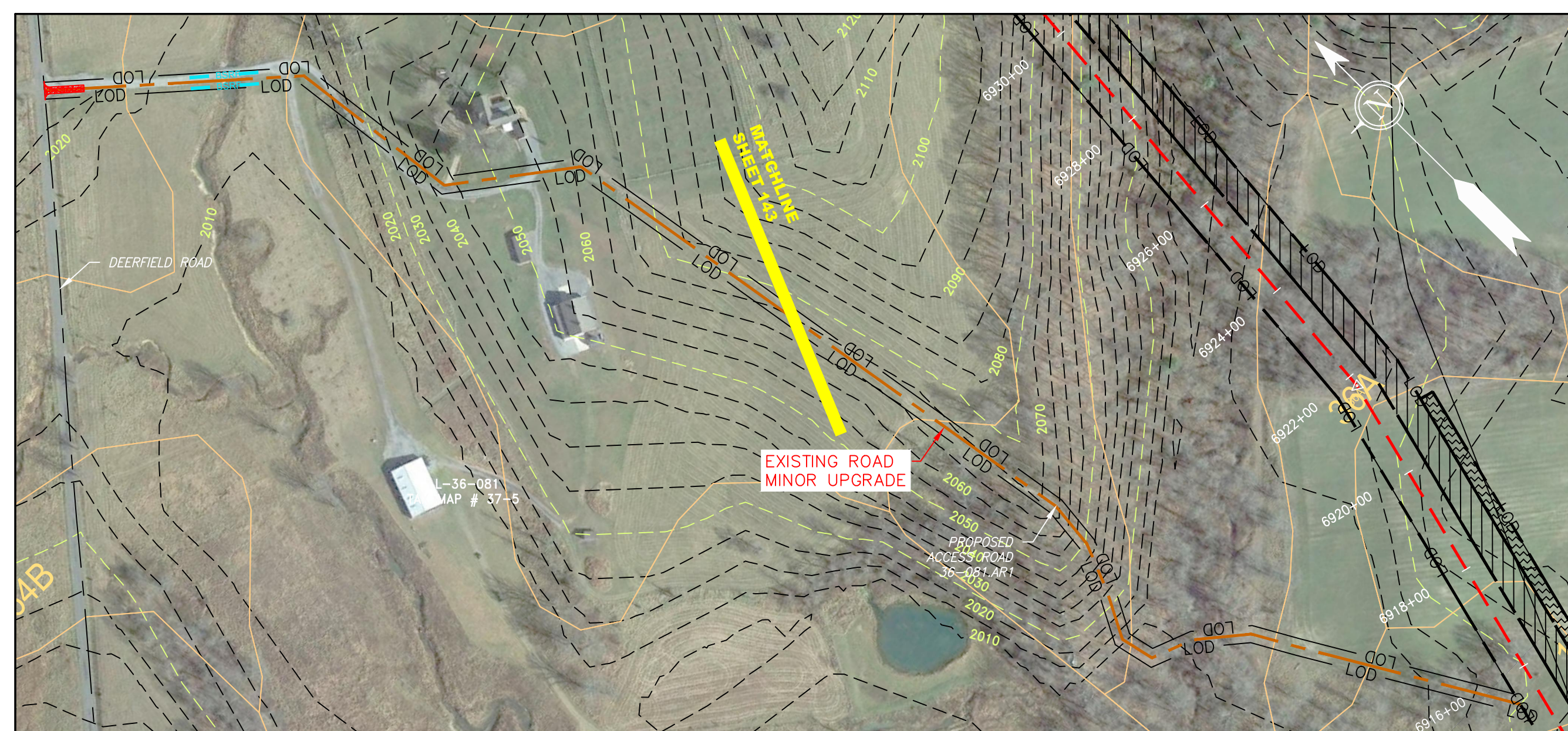
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G:\CONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\CAD\MON FOREST REROUTE\DWG_PREVIOUS FERC FILING DWGS_ALIGNMENT SHEETS\C140468-00-000-00-E-AR-304-AR-308.DWG

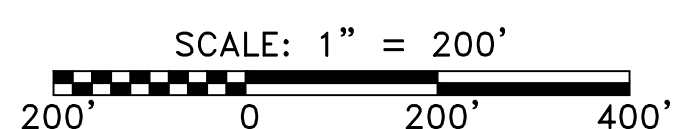
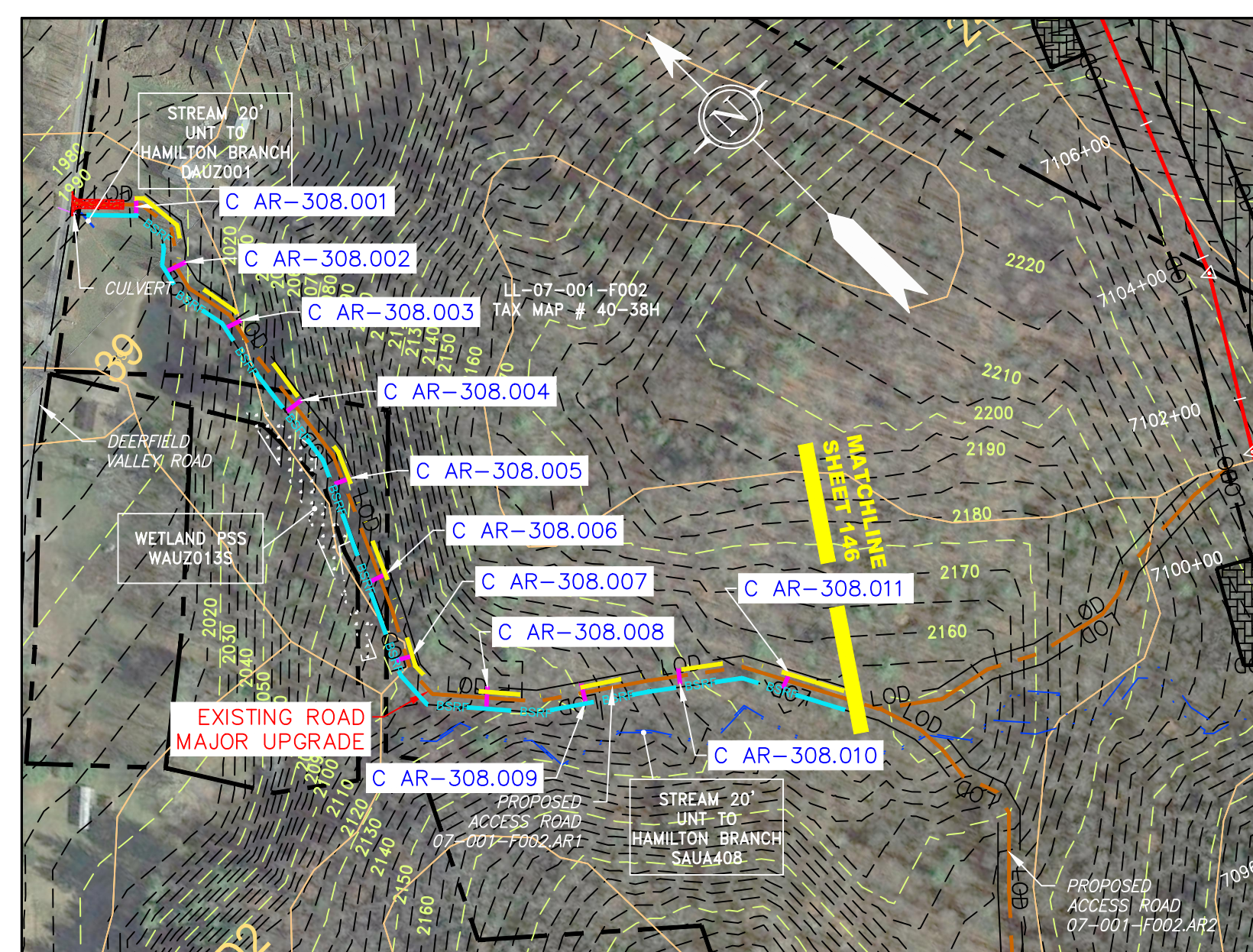
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TASK NO. 005	SUB TASK NO. 00												
GROUP ID D	DRAWING NO. AR-307												
DATE: 06/01/17													
DRAWN: CJF													
CHECKED: DLH													
APPROVED: NET													
<p>gai consultants</p> <p>SOUTHPOINT OFFICE 6000 TOWN CENTER BLVD. SUITE 300 EAST CANONSBURG, PA 15317 724-873-3545</p>													
<p>mbe monaloh basin engineers</p> <p>300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433</p>													
<p>42" AP-1 PIPELINE ACCESS ROAD DETAIL BATH COUNTY, VIRGINIA</p> <p>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330</p>													
<p>ERB</p>													
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DWN.</th> <th>CHKD.</th> <th>APPD.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION						
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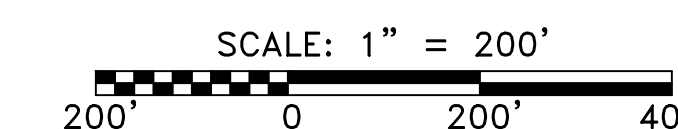
ACCESS ROAD DETAIL
36-078.AR1



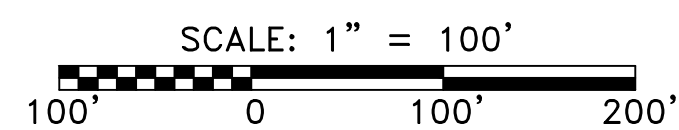
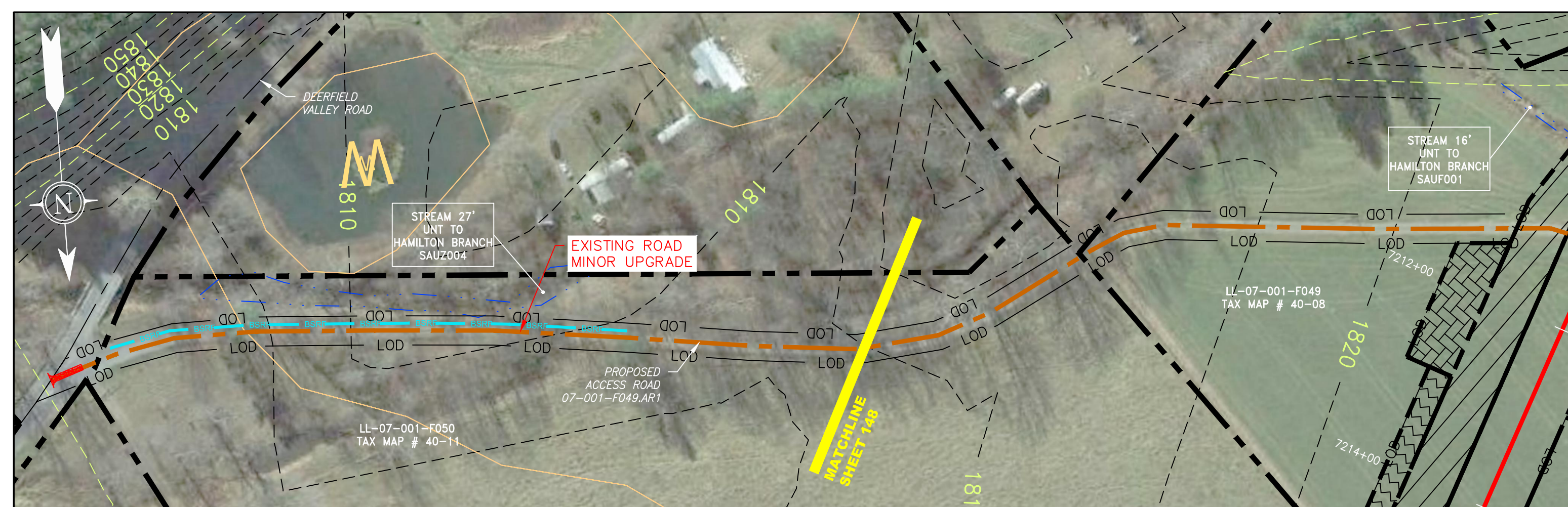
ACCESS ROAD DETAIL
36-081.AR1



ACCESS ROAD DETAIL
07-001-F002.AR1



ACCESS ROAD DETAIL
07-001-F009.AR1



ACCESS ROAD DETAIL
07-001-F049.AR1

LEGEND

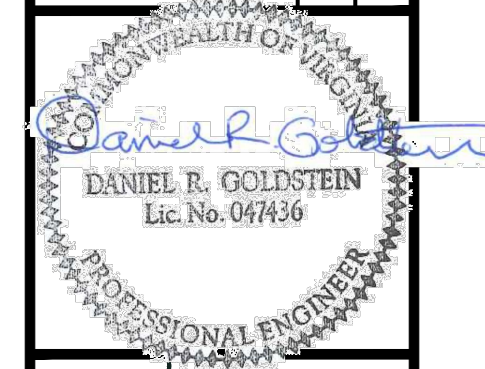
PROPERTY LINE	STORM SEWER	EXTRA WORK SPACE	TOPSOIL SEGREGATION AREA
FENCE	UNDERGROUND ELECTRIC	AREA OF NO DISTURBANCE	PROPOSED TEMPORARY R.O.W.
STREAM	WATER LINE	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	UTILITY POLE
EXISTING GAS PIPELINE	SANITARY SEWER	OVERHEAD UTILITY LINES	EDGE OF GRAVEL
ACCESS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

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 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.
- 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.
- 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 1 AND 2.
- ACCESS ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 1 AND 2.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BIMPS 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



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

SCALE:	AS SHOWN
DATE:	06/01/17
DRAWN:	CJF
CHECKED:	DLH
APPROVED:	NET



SOUTHPOINT OFFICE
6000 TOWN CENTER BLVD.
SUITE 300 EAST
CANONSBURG, PA 15317
724-873-3545



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

PROJECT NO./DASH NO.	140468	
TASK NO.	005	SUB TASK NO. 00
GROUP ID	D	DRAWING NO. AR-308
DATE	6/6/2017 9:21 AM	