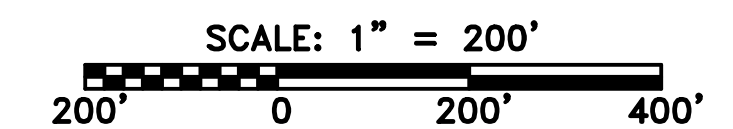


ACCESS ROAD
DETAIL 32



LEGEND

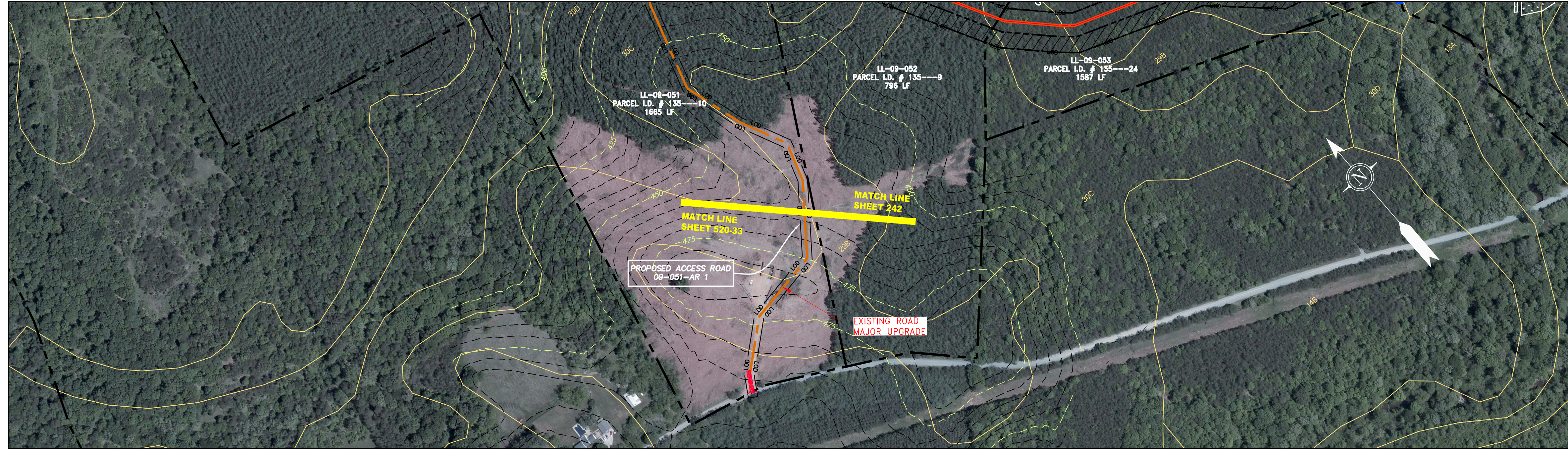
	PROPERTY LINE		STORM SEWER		EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA
	FENCE		UNDERGROUND ELECTRIC		AREA OF NO DISTURBANCE		PROPOSED TEMPORARY R.O.W.
	STREAM		WATER LINE		WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		UTILITY POLE
	EXISTING GAS PIPELINE		SANITARY SEWER	NOTE: THE PE SEAL AND SIGNATURE 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		TRENCH BREAKER/PLUG		STREAM CROSSING
	PROPOSED GAS PIPELINE		PROPOSED GAS PIPELINE (NO GROUND SURVEY)		USFWS STREAM CROSSING WITH ENHANCED CONTROLS		SEEP
					SLOPE DIRECTION		CONSTRUCTION ENTRANCE WITH DITCH
					CULVERT AS NEEDED		CULVERT WATERBAR

	LOD		LIMIT OF DISTURBANCE
	BSRF		BELTED SILT RETENTION FENCE (BSRF)
	111.03 C 111.001		SEDIMENT BARRIER IDENTIFICATION
	ORANGE SAFETY FENCE		ROADSIDE DITCH
	SOIL TYPE		TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION

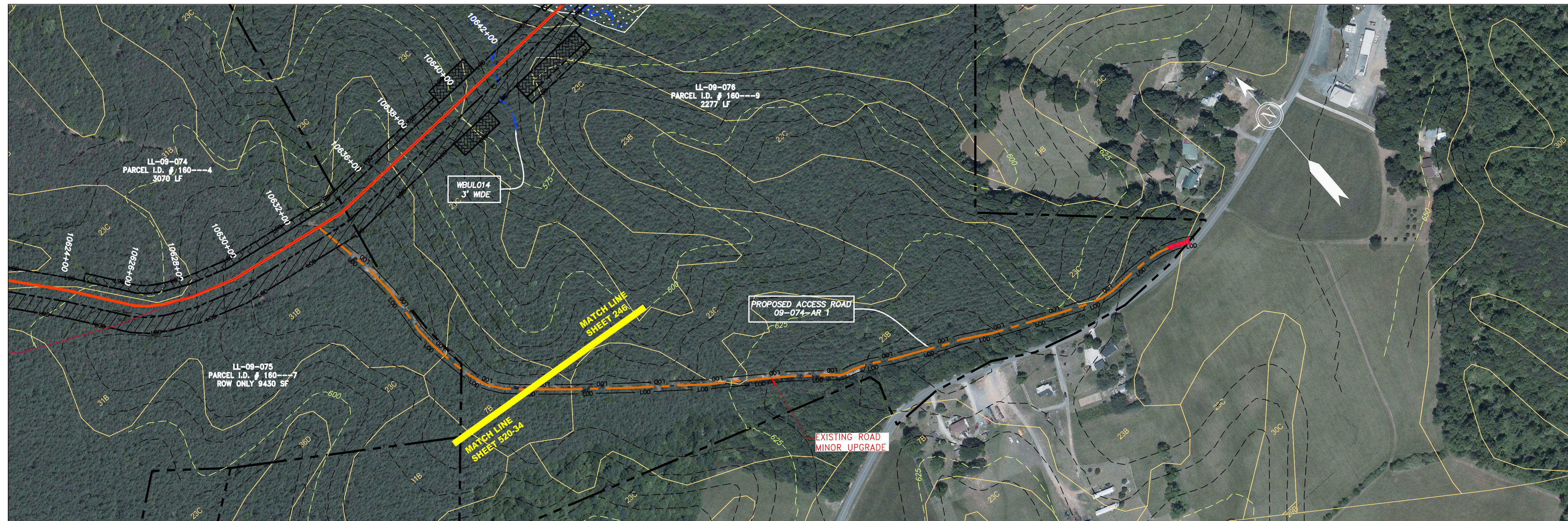
NOTES:

- 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.
- 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 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.

PROJECT NO./DASH NO. 140468													
TASK NO. SUB TASK NO. 005 00	GROUP ID DRAWING NO. D E519												
PROJECT NAME 42" AP-1 PIPELINE ACCESS ROAD DETAIL													
CLIENT 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													
GAI CONSULTANTS SOUTHPOINT OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-873-3545													
REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DWN.</th> <th>CHKD.</th> <th>APPVD.</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.	APPVD.	DESCRIPTION						
NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION								



ACCESS ROAD
DETAIL 33



ACCESS ROAD
DETAIL 34

GAI CAD FILE NO. R:\050-5159 - GAI, INC. - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 4\SEC 4 ACCESS ROAD DETAILS\SEC 4 - ACCESS ROAD DETAILS.DWG

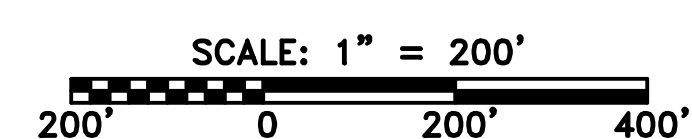
LEGEND

	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				
	ACCESS ROAD		PROPOSED PERMANENT EASEMENT				
	PROPOSED GAS PIPELINE		PROPOSED GAS PIPELINE (NO GROUND SURVEY)				

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

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42" AP-1 PIPELINE ACCESS ROAD DETAIL BUCKINGHAM 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	
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PROJECT NO./DASH NO. 140468 TASK NO. SUB TASK NO. 005 00 GROUP ID DRAWING NO. D E520 AR-520	
REVISIONS	