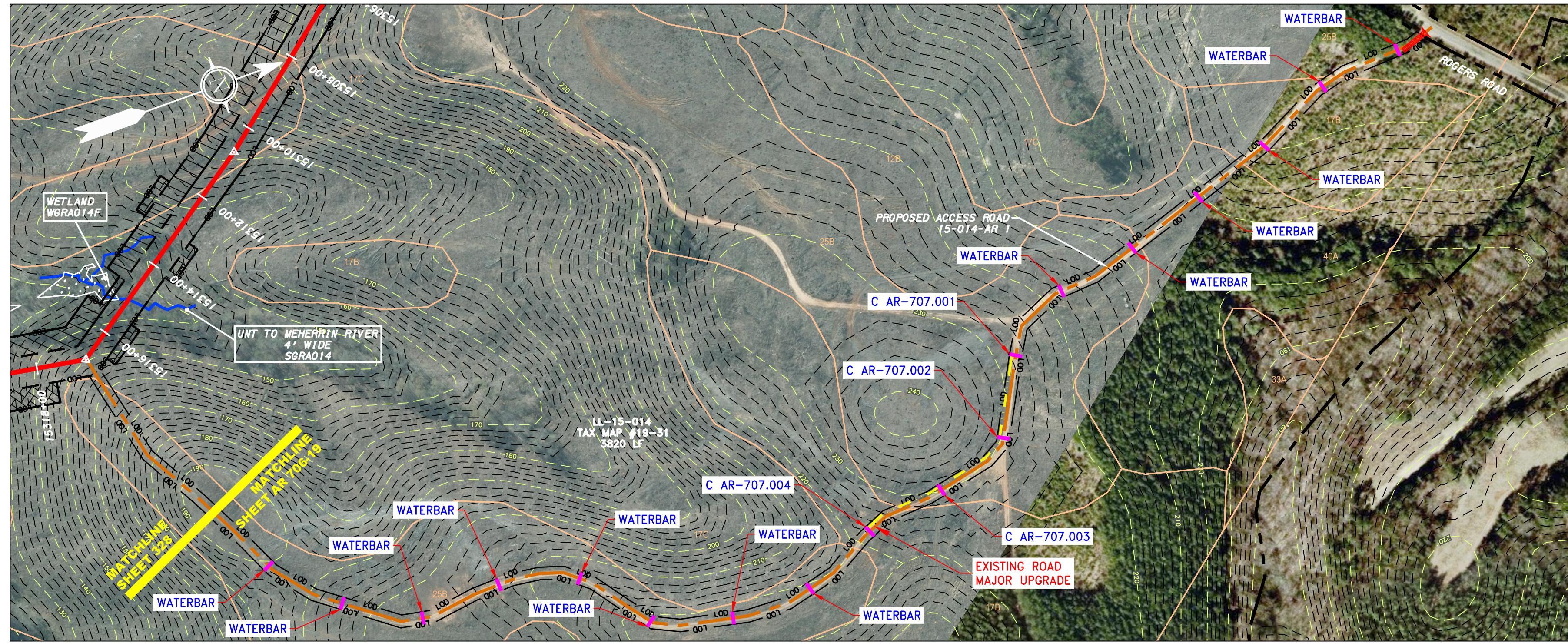
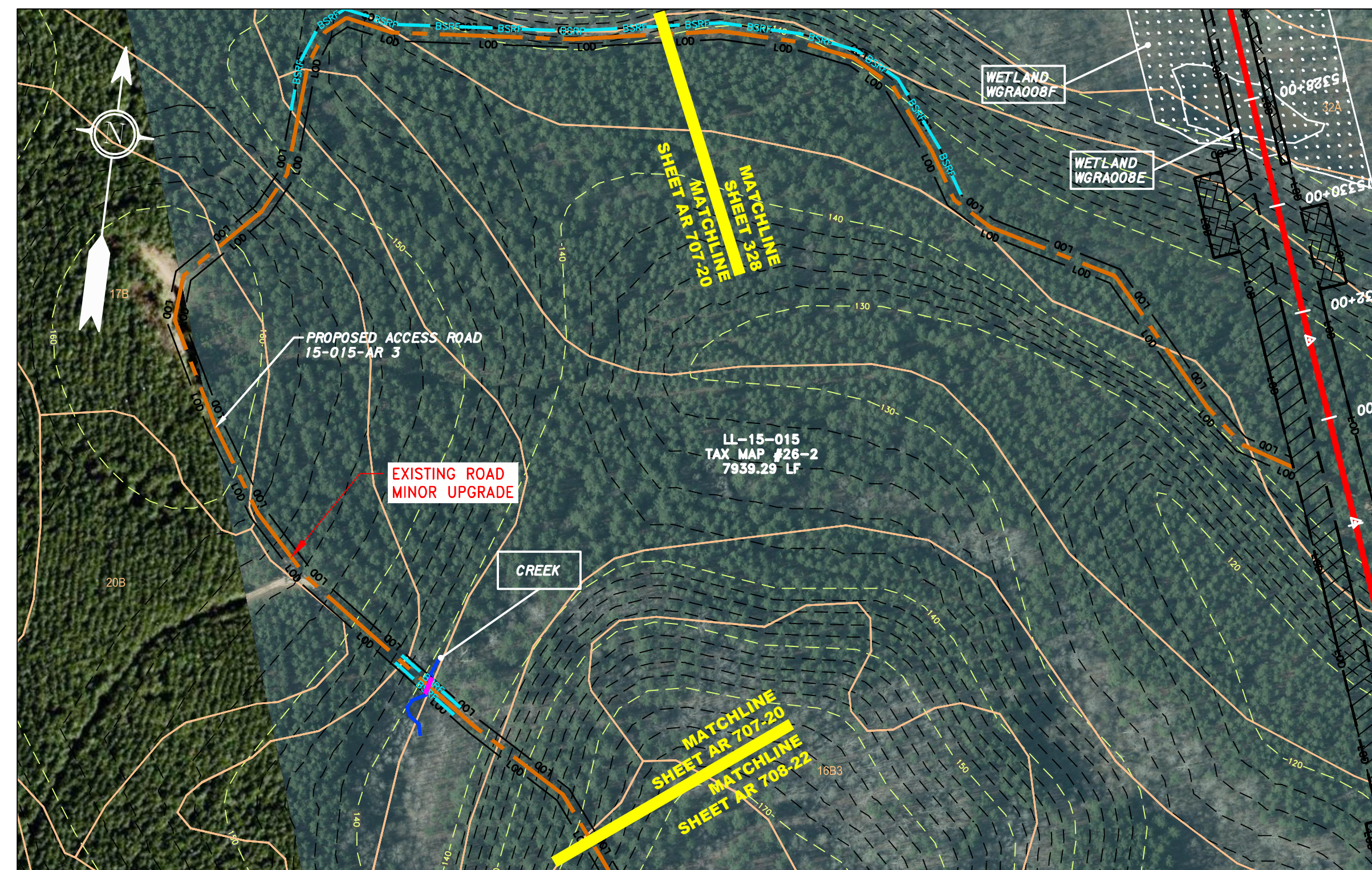


ACCESS ROAD
DETAIL 18



ACCESS ROAD
DETAIL 19



ACCESS ROAD
DETAIL 20

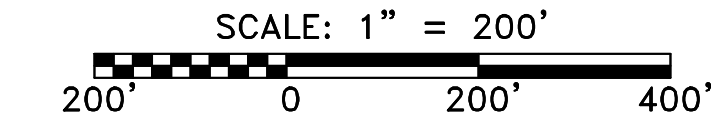
LEGEND

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

[Triangle]	PERMANENT WATERBAR/SLOPE BREAKER	[Line]	LOD	[Line]	LIMIT OF DISTURBANCE
[Triangle]	TEMPORARY WATERBAR/SLOPE BREAKER	[Line]	BSRF	[Line]	BELTED SILT RETENTION FENCE (BSRF)
[Triangle]	TRENCH BREAKER/PLUG	[Line]	111.03	[Line]	COMPOST FILTER SOCK
[Triangle]	STREAM CROSSING	[Line]	C 111.001	[Line]	SEDIMENT BARRIER IDENTIFICATION
[Triangle]	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	[Line]	X	[Line]	CULVERT IDENTIFICATION
[Triangle]	SEEP	[Line]	---	[Line]	ORANGE SAFETY FENCE
[Triangle]	SLOPE DIRECTION	[Line]	CuB	[Line]	ROADSIDE DITCH
[Triangle]	CONSTRUCTION ENTRANCE WITH DITCH	[Line]	A1 (E)	[Line]	SOIL TYPE
[Triangle]	CULVERT AS NEEDED	[Line]	30-58%	[Line]	TYPICAL BIC SLOPE CATEGORY
[Triangle]	CULVERT/ WATERBAR				SLOPE INCLINATION

- NOTES:**
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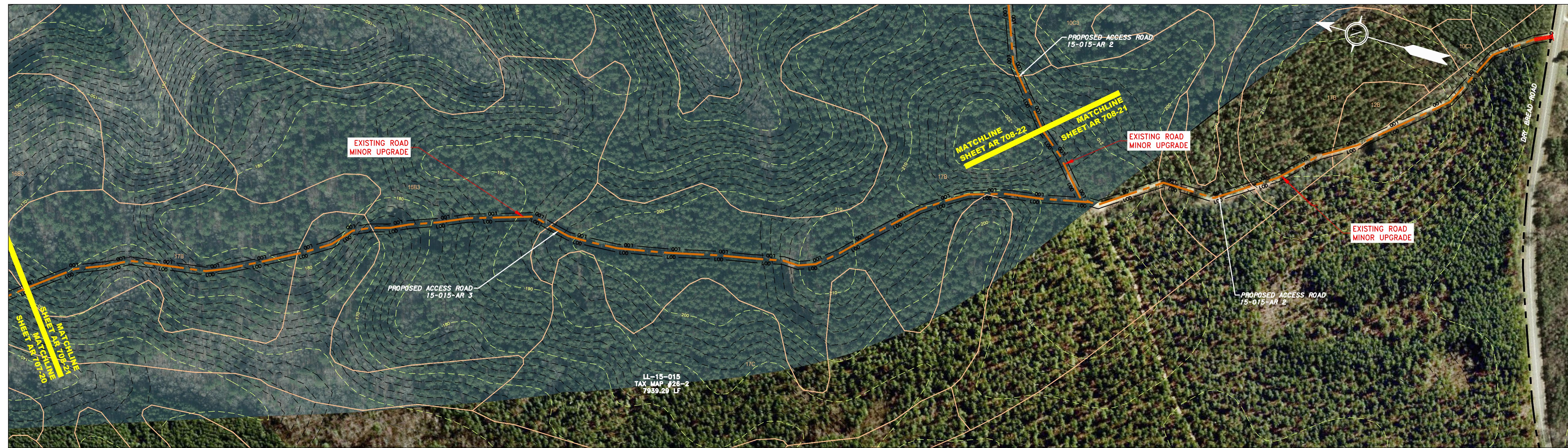
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TASK NO.	SUB TASK NO.
005	00
GROUP ID	DRAWING NO.
D	E AR-707
AR- 707	

NO.	DATE	BY	APPD.	DESCRIPTION

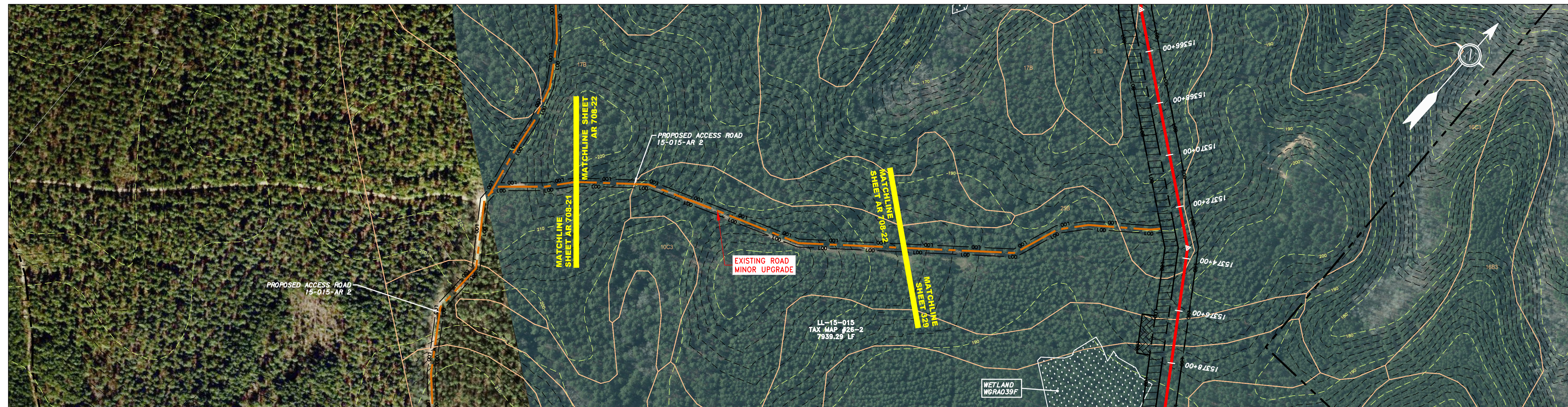
PROFESSIONAL ENGINEER
 Daniel R. Goldstein
 Lic. No. 04736

ERM

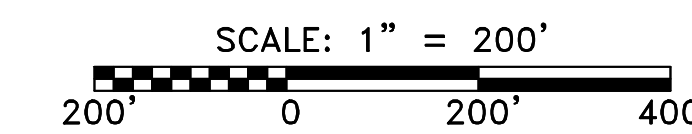
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 GREENSVILLE COUNTY, VIRGINIA
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330



ACCESS ROAD
DETAIL 21



ACCESS ROAD
DETAIL 22



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 —	STREAM	— SAN —	WATER LINE	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Circle]	UTILITY POLE
— G — G —	EXISTING GAS PIPELINE	— OH —	SANITARY SEWER	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Circle]	UTILITY POLE
— OH —	OVERHEAD UTILITY LINES	— — —	EDGE OF GRAVEL	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Circle]	UTILITY POLE
— — —	ACCESS ROAD	— — —	PROPOSED PERMANENT EASEMENT	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Circle]	UTILITY POLE
— — —	PROPOSED GAS PIPELINE	— — —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Circle]	UTILITY POLE

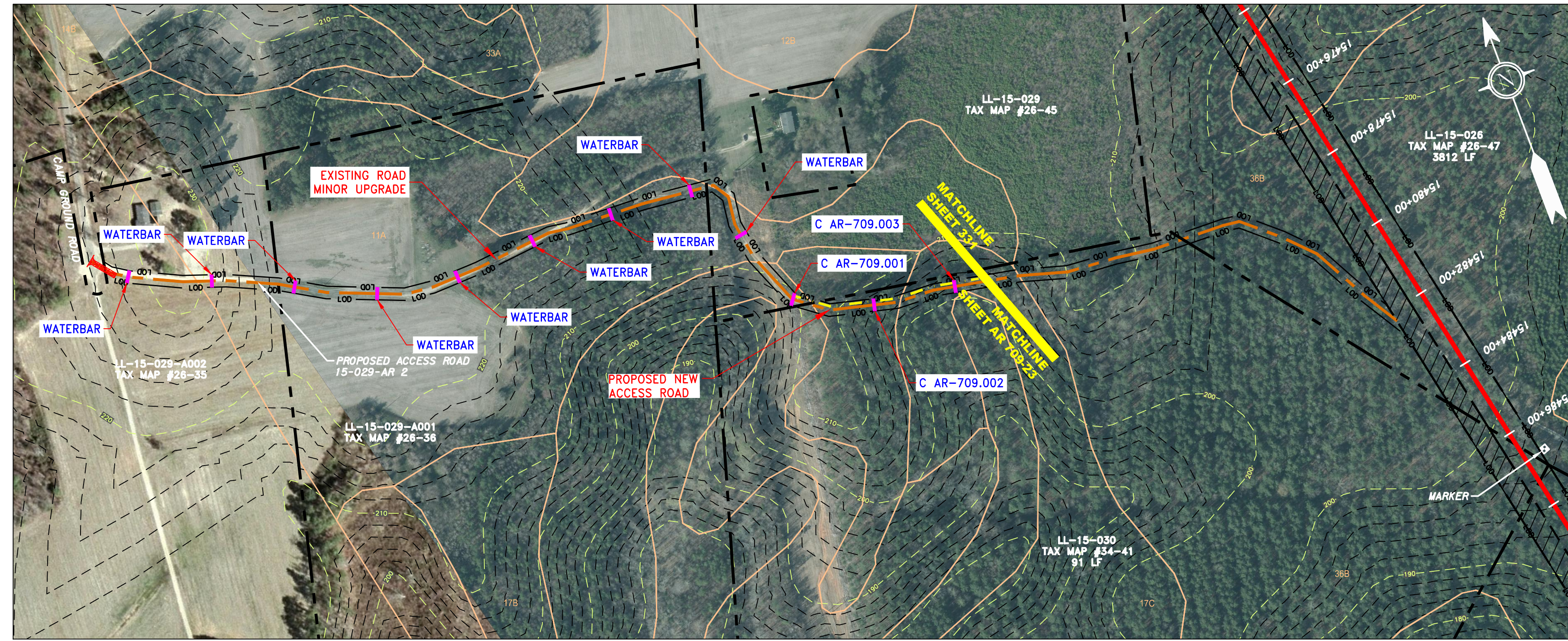
[Triangle]	PERMANENT WATERBAR/SLOPE BREAKER	— LOD —	LIMIT OF DISTURBANCE
[Triangle]	TEMPORARY WATERBAR/SLOPE BREAKER	— BSRF —	BELTED SILT RETENTION FENCE (BSRF)
[Triangle]	TRENCH BREAKER/PLUG	— C 111.03 —	COMPOST FILTER SOCK
[Triangle]	STREAM CROSSING	— X —	SEDIMENT BARRIER IDENTIFICATION
[Triangle]	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	— X —	CULVERT IDENTIFICATION
[Triangle]	SEEP	— X —	ORANGE SAFETY FENCE
[Triangle]	SLOPE DIRECTION	— X —	ROADSIDE DITCH
[Triangle]	CONSTRUCTION ENTRANCE WITH DITCH	— X —	SOIL TYPE
[Triangle]	CULVERT AS NEEDED	— X —	TYPICAL BIC SLOPE CATEGORY
[Triangle]	CULVERT/WATERBAR	— X —	SLOPE INCLINATION

NOTES:

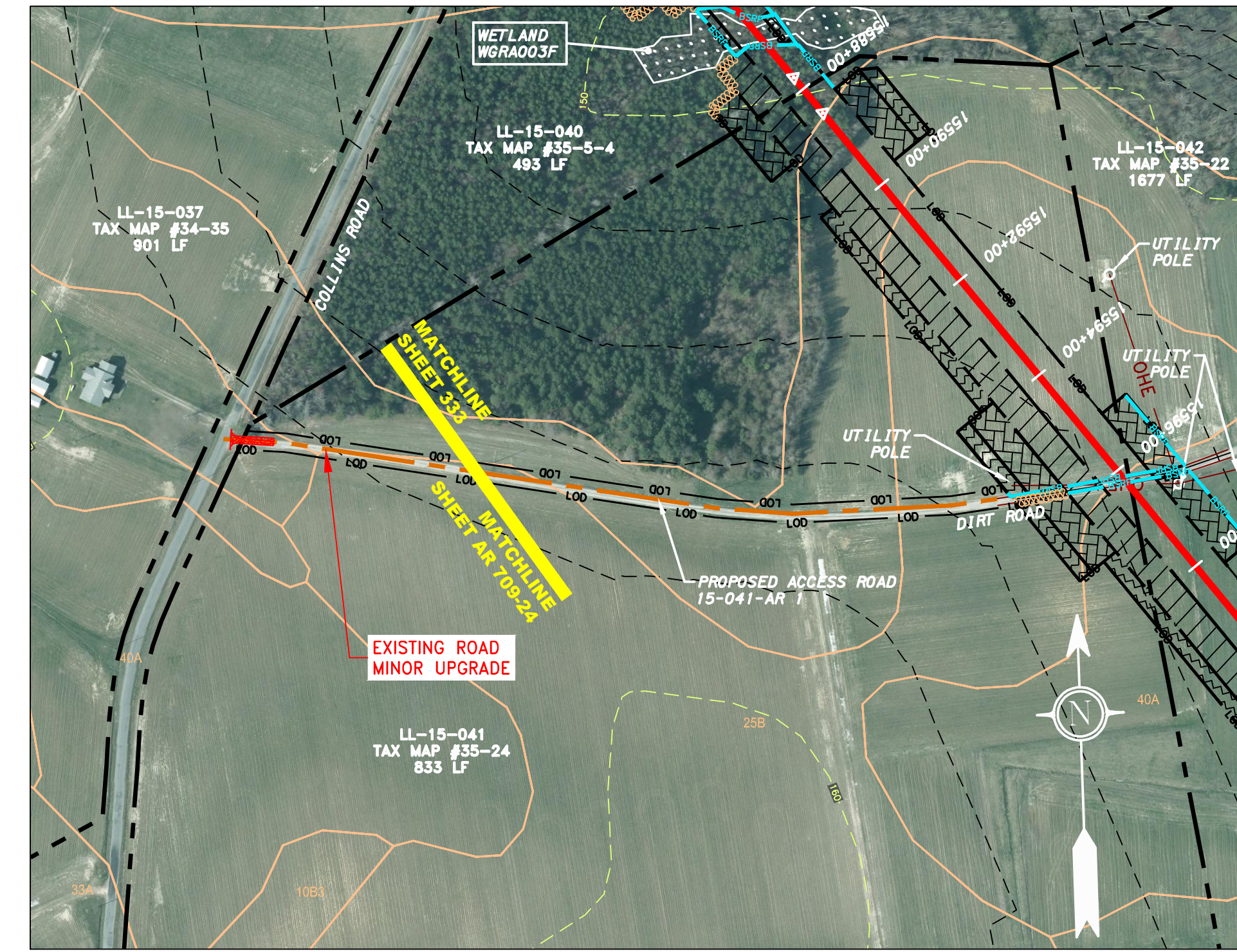
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<p>42" AP-1 PIPELINE ACCESS ROAD DETAIL GREENSVILLE COUNTY, VIRGINIA</p>	
<p>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330</p>	
SCALE:	AS SHOWN
DATE:	09/30/16
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET
<p>SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-873-3545</p>	
PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E AR-708
<p>AR- 708</p>	

GAI CAD FILE NO. I:\DOMINION\AP-1\FERC_ESC\CADD-GIS DATA\ACP-1_FERC_VA_SHT_AR-708.DWG



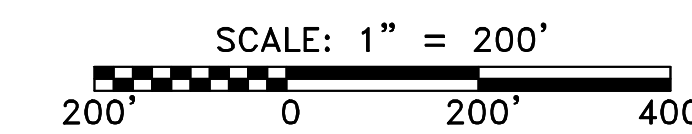
ACCESS ROAD
DETAIL 23



ACCESS ROAD
DETAIL 24



ACCESS ROAD
DETAIL 25



LEGEND

—	PROPERTY LINE	---	STORM SEWER	[Hatched Box]	EXTRA WORK SPACE	[Hatched Box]	TOPSOIL SEGREGATION AREA
X X	FENCE	E	UNDERGROUND ELECTRIC	[Dotted Box]	AREA OF NO DISTURBANCE	[Hatched Box]	PROPOSED TEMPORARY R.O.W.
—	STREAM	W	WATER LINE	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Circle]	UTILITY POLE
G G	EXISTING GAS PIPELINE	SAN	SANITARY SEWER	[Red Line]	PERMANENT WATERBAR/SLOPE BREAKER	[Blue Line]	LIMIT OF DISTURBANCE
OH	OVERHEAD UTILITY LINES	---	EDGE OF GRAVEL	[Red Line]	TEMPORARY WATERBAR/SLOPE BREAKER	[Blue Line]	BELTSILT RETENTION FENCE (BSRF)
---	ACCESS ROAD	---	PROPOSED PERMANENT EASEMENT	[Red Line]	TRENCH BREAKER/PLUG	[Blue Line]	COMPOST FILTER SOCK
---	PROPOSED GAS PIPELINE	---	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Red Line]	STREAM CROSSING	[Blue Line]	SEDIMENT BARRIER IDENTIFICATION
					USPWS STREAM CROSSING WITH ENHANCED CONTROLS	[Blue Line]	CULVERT IDENTIFICATION
					SEEP	[Blue Line]	ORANGE SAFETY FENCE
					SLOPE DIRECTION	[Blue Line]	ROADSIDE DITCH
					CONSTRUCTION ENTRANCE WITH DITCH	[Blue Line]	SOIL TYPE
					CULVERT/WATERBAR	[Blue Line]	A1 (E) 30-58%

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

[Red Triangle]	PERMANENT WATERBAR/SLOPE BREAKER	[Blue Line]	LOD	[Blue Line]	LIMIT OF DISTURBANCE
[Red Triangle]	TEMPORARY WATERBAR/SLOPE BREAKER	[Blue Line]	BSRF	[Blue Line]	BELTSILT RETENTION FENCE (BSRF)
[Red Triangle]	TRENCH BREAKER/PLUG	[Blue Line]	111.03	[Blue Line]	COMPOST FILTER SOCK
[Red Triangle]	STREAM CROSSING	[Blue Line]	C 111.001	[Blue Line]	SEDIMENT BARRIER IDENTIFICATION
[Red Triangle]	USPWS STREAM CROSSING WITH ENHANCED CONTROLS	[Blue Line]	X	[Blue Line]	ORANGE SAFETY FENCE
[Red Triangle]	SEEP	[Blue Line]	CuB	[Blue Line]	ROADSIDE DITCH
[Red Triangle]	SLOPE DIRECTION	[Blue Line]	A1 (E)	[Blue Line]	SOIL TYPE
[Red Triangle]	CONSTRUCTION ENTRANCE WITH DITCH	[Blue Line]	30-58%	[Blue Line]	TYPICAL BIC SLOPE CATEGORY
[Red Triangle]	CULVERT/WATERBAR	[Blue Line]		[Blue Line]	SLOPE INCLINATION

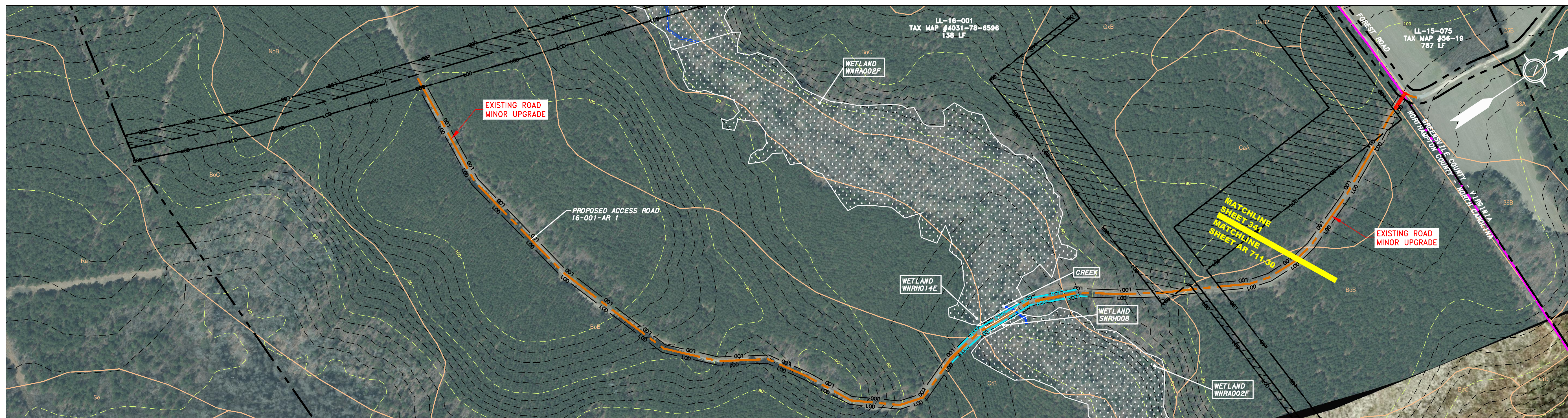
NOTES:

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<p>ERM</p>	
<p>42" AP-1 PIPELINE ACCESS ROAD DETAIL GREENSVILLE COUNTY, VIRGINIA</p>	
<p>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330</p>	
SCALE:	AS SHOWN
DATE:	09/30/16
DRAWN:	GPT
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<p>SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-873-3545</p>	
PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID	D
DRAWING NO.	E AR-709
AR-	709

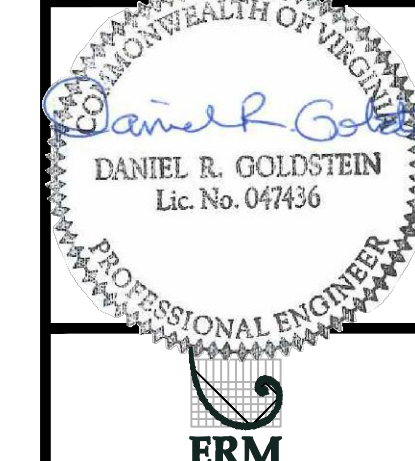
REVISIONS

NO.	DATE	BY	DESCRIPTION



ACCESS ROAD
DETAIL 30

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION



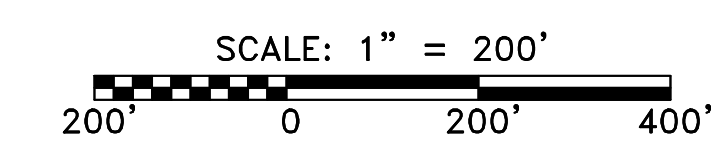
ERM

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

SCALE:	AS SHOWN
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APPROVED:	NET



PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E AR-711
AR-711	



LEGEND	<ul style="list-style-type: none"> PROPERTY LINE FENCE STREAM EXISTING GAS PIPELINE OVERHEAD UTILITY LINES ACCESS ROAD PROPOSED GAS PIPELINE 	<ul style="list-style-type: none"> STORM SEWER UNDERGROUND ELECTRIC WATER LINE SANITARY SEWER EDGE OF GRAVEL PROPOSED PERMANENT EASEMENT PROPOSED GAS PIPELINE (NO GROUND SURVEY) 	<ul style="list-style-type: none"> EXTRA WORK SPACE AREA OF NO DISTURBANCE WETLAND TOPSOIL SEGREGATION AREA PROPOSED TEMPORARY R.O.W. 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 	<ul style="list-style-type: none"> LOD BSRF 111.03 C 111.001 X ROADSIDE DITCH SOIL TYPE A1 (E) 30-58% LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF) COMPOST FILTER SOCK SEDIMENT BARRIER IDENTIFICATION CULVERT IDENTIFICATION ORANGE SAFETY FENCE
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GAI CAD FILE NO. I:\DOMINION\AP-1\FERC_ESC\CADD-GIS DATA\ACP_AP-1_FERC_VA_SHT_AR-711.DWG