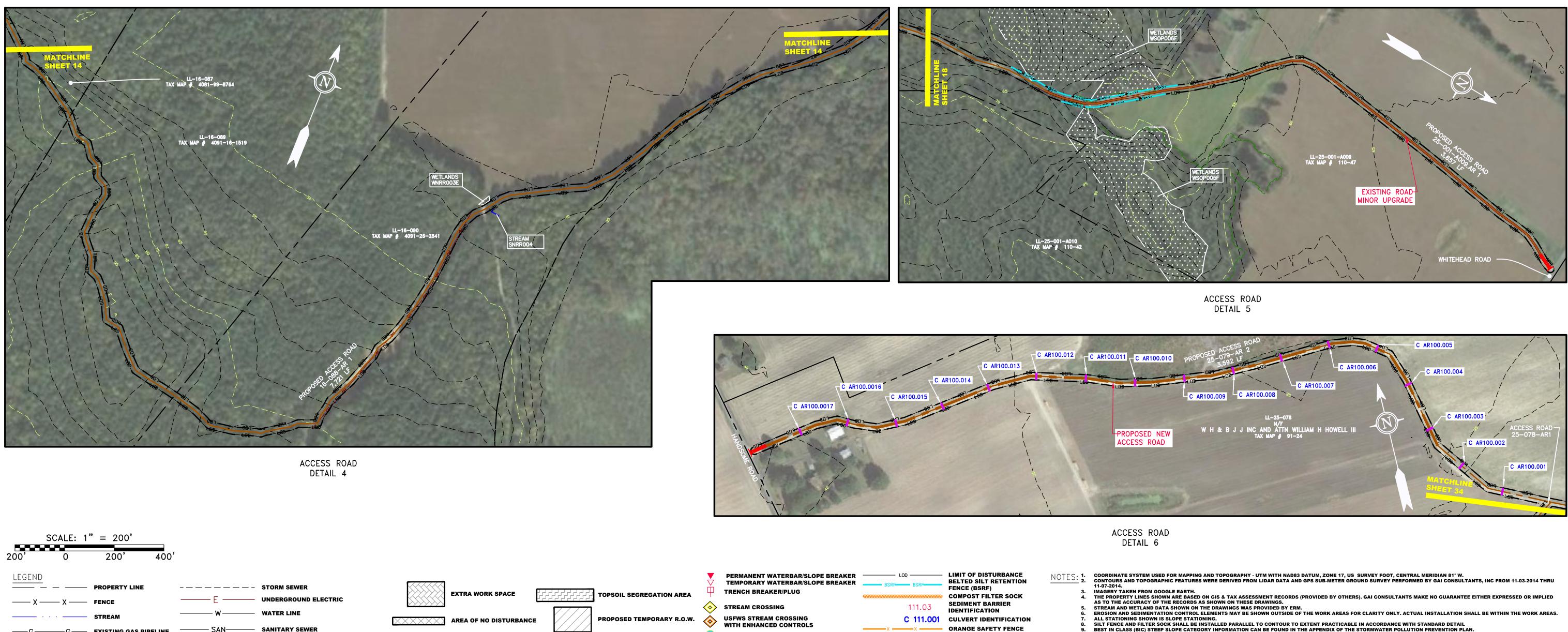
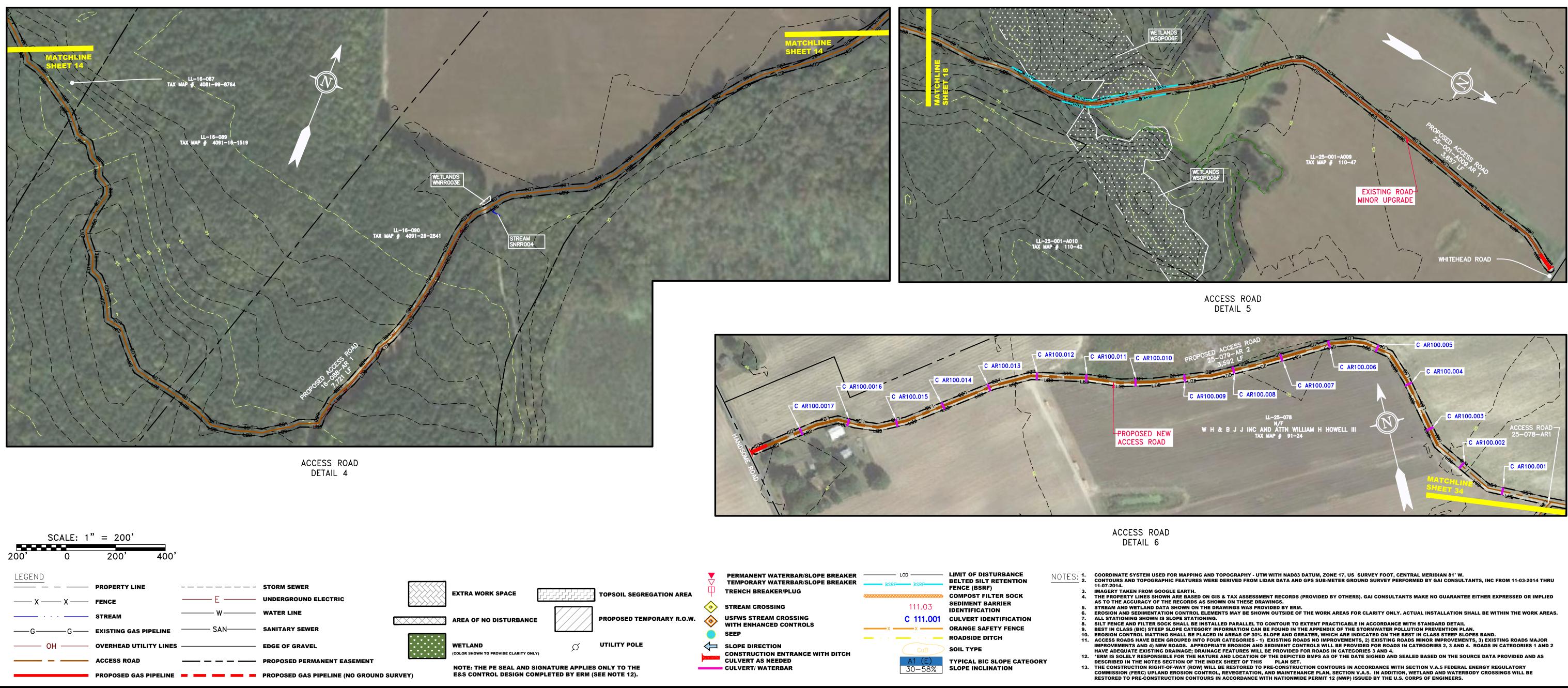
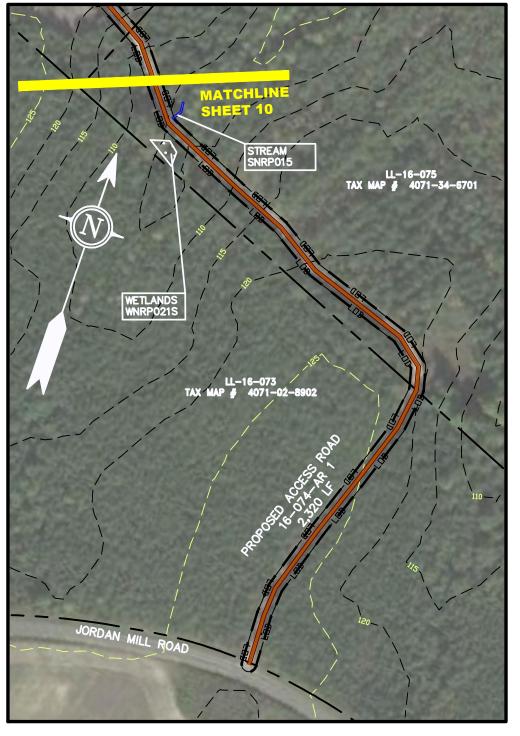


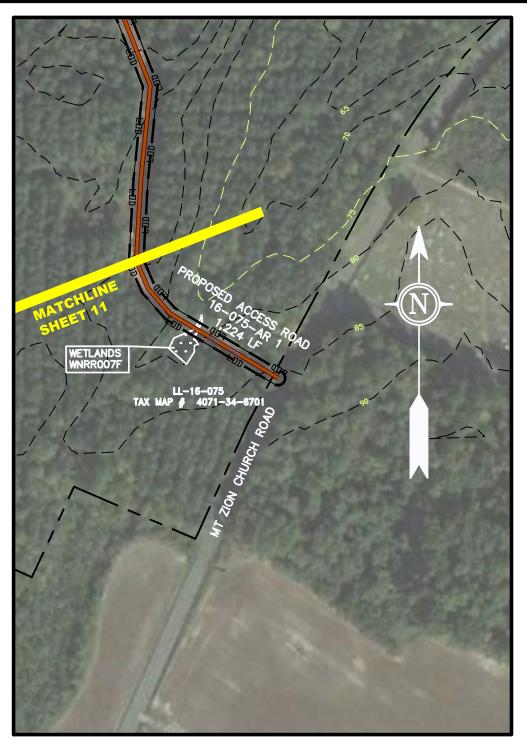
ACCESS ROAD DETAIL 1





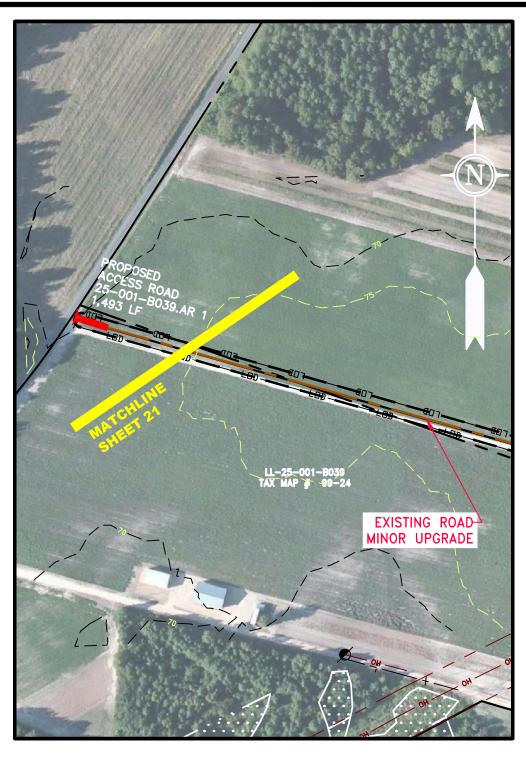


ACCESS ROAD DETAIL 2

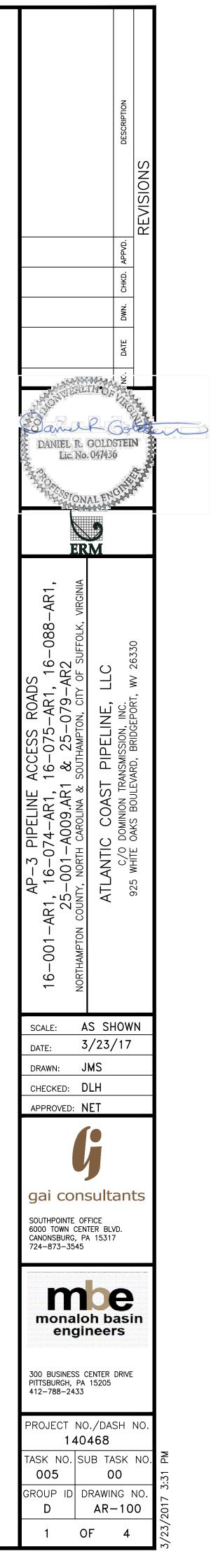


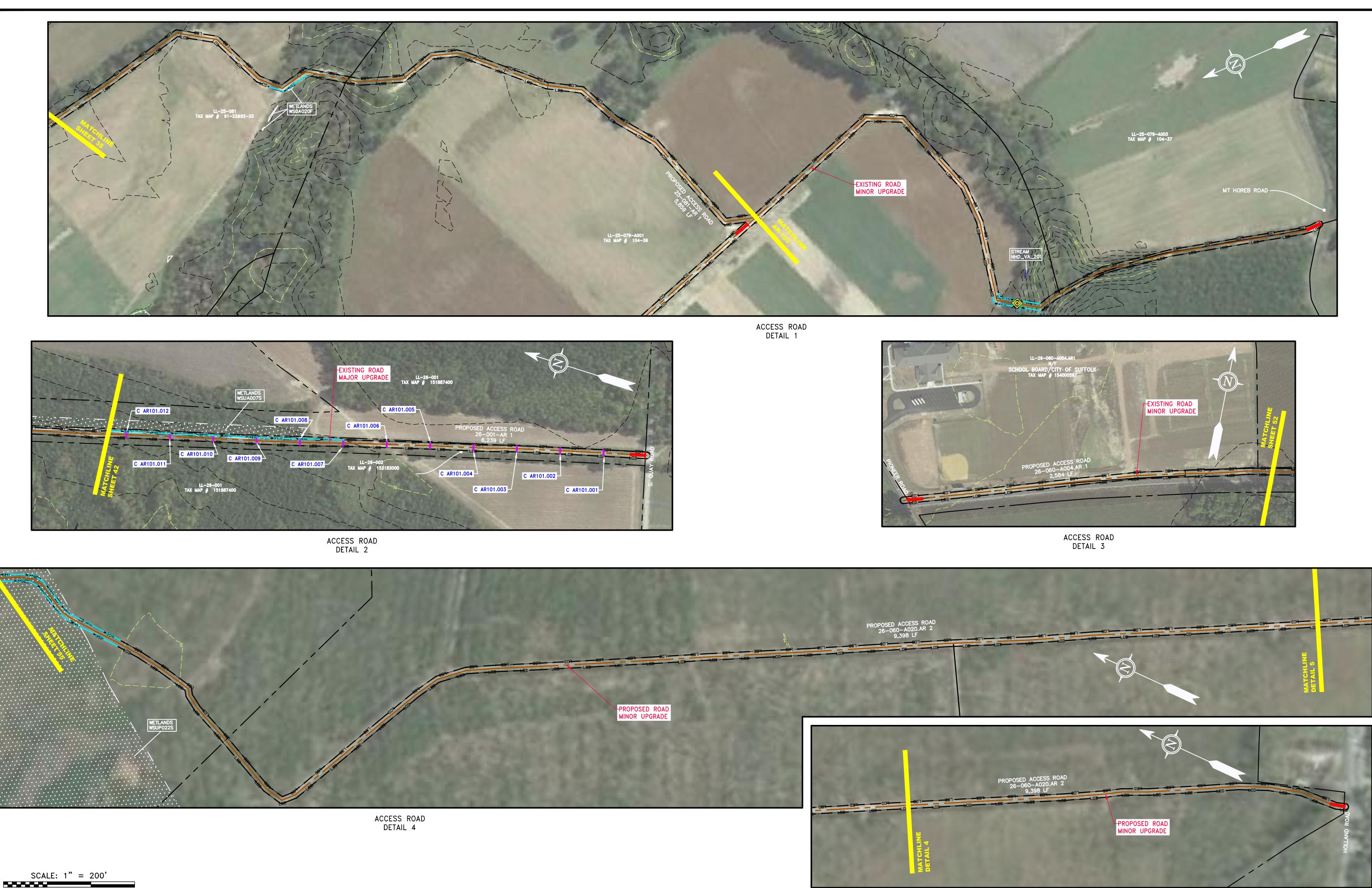
ACCESS ROAD DETAIL 3

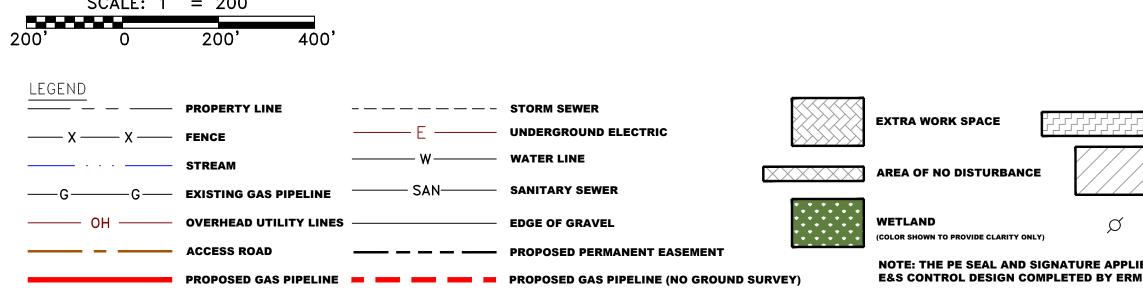
THIS DRAWING WAS PRODUCED WITH COMPUTER AIDED DRAFTING TECHNOLOGY AND IS SUPPORTED BY ELECTRONIC DRAWING FILES. DO NOT REVISE THIS DRAWING VIA MANUAL DRAFTING METHODS.



ACCESS ROAD DETAIL 7







PROPOSED TEMPORARY R.O.W.		PERMANENT WATERBAR/SLOPE BREAKER TEMPORARY WATERBAR/SLOPE BREAKER TRENCH BREAKER/PLUG STREAM CROSSING USFWS STREAM CROSSING	LOD BSRF BSRF 111.03 C 111.001	LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF) COMPOST FILTER SOCK SEDIMENT BARRIER IDENTIFICATION CULVERT IDENTIFICATION	<u>NOTES:</u> 1. 2. 3. 4. 5. 6. 7.	COORDINATE SYSTEM USED FOR MA CONTOURS AND TOPOGRAPHIC FEAT 11-07-2014. IMAGERY TAKEN FROM GOOGLE EAR THE PROPERTY LINES SHOWN ARE E AS TO THE ACCURACY OF THE RECO STREAM AND WETLAND DATA SHOW EROSION AND SEDIMENTATION CON' ALL STATIONING SHOWN IS SLOPE S SILT FENCE AND FILTER SOCK SHAL
UTILITY POLE IES ONLY TO THE M (SEE NOTE 12).	◆ ↓	WITH ENHANCED CONTROLS SEEP SLOPE DIRECTION CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED CULVERT/ WATERBAR	x x CuB A1 (E) 30-58%	ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION	8. 9. 10. 11. 12. 13.	BEST IN CLASS (BIC) STEEP SLOPE C EROSION CONTROL MATTING SHALL

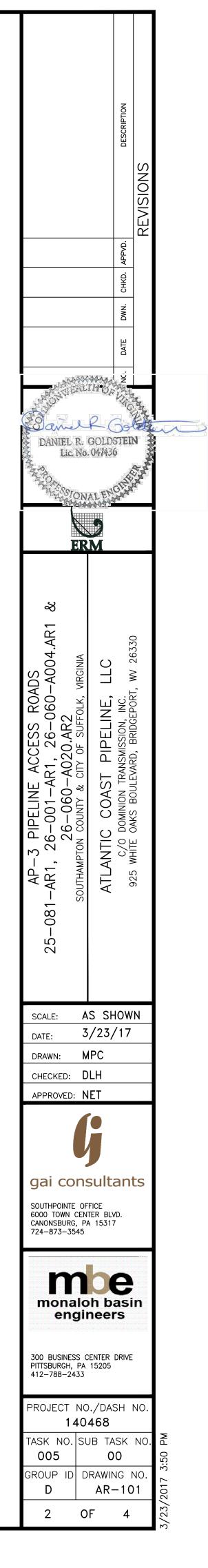
THIS DRAWING WAS PRODUCED WITH COMPUTER AIDED DRAFTING TECHNOLOGY AND IS SUPPORTED BY ELECTRONIC DRAWING FILES. DO NOT REVISE THIS DRAWING VIA MANUAL DRAFTING METHODS.

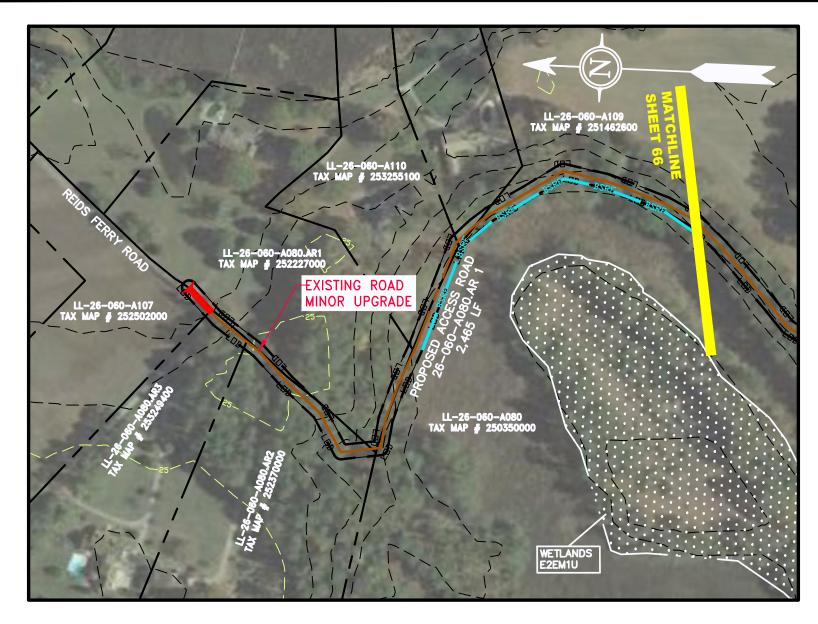
ACCESS	ROAD
	5

DETAIL 5 apping and topography - utm with nad83 datum, zone 17, us survey foot, central meridian 81° w. Atures were derived from lidar data and gps sub-meter ground survey performed by gai consultants, inc from 11-03-2014 thru

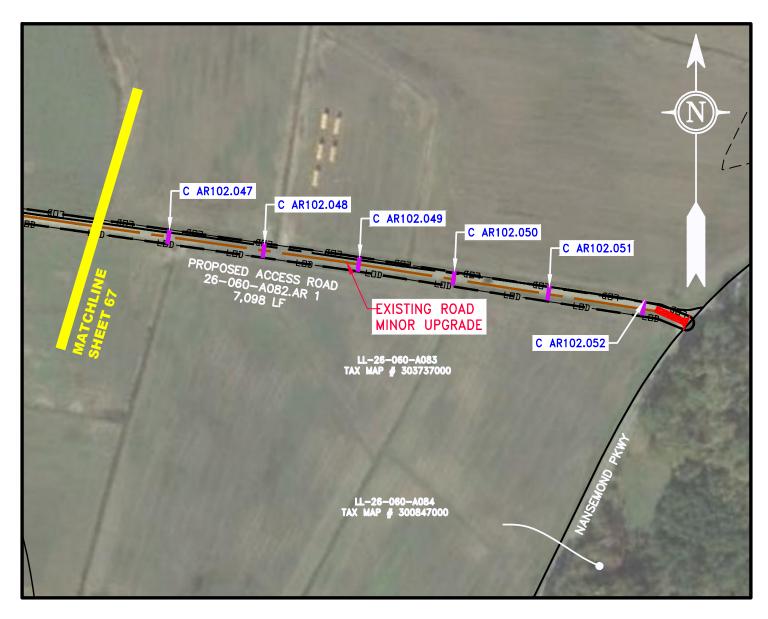
ARTH. E BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED CORDS AS SHOWN ON THESE DRAWINGS. OWN ON THE DRAWINGS WAS PROVIDED BY ERM. ONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.

ONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. YE STATIONING. HALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL YE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. ALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND. UPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR LOS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 NAGE; DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4. OR THE NATURE AND LOCATION OF THE DEPICTED BMPS AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS ON OF THE INDEX SHEET OF THIS PLAN SET. MAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.A.5 FEDERAL ENERGY REGULATORY DSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.A.5. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE DN CONTOURS IN ACCORDANCE WITH NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.

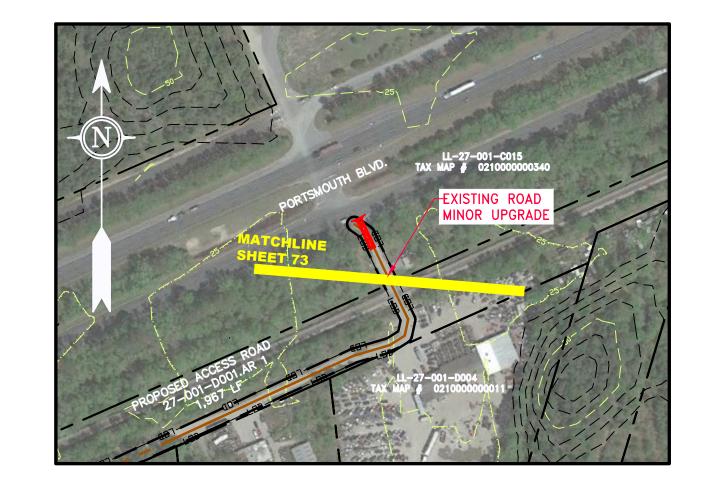




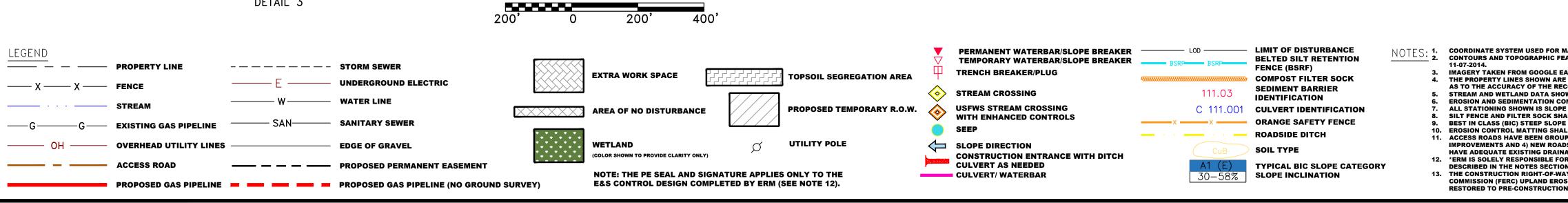
ACCESS ROAD DETAIL 1



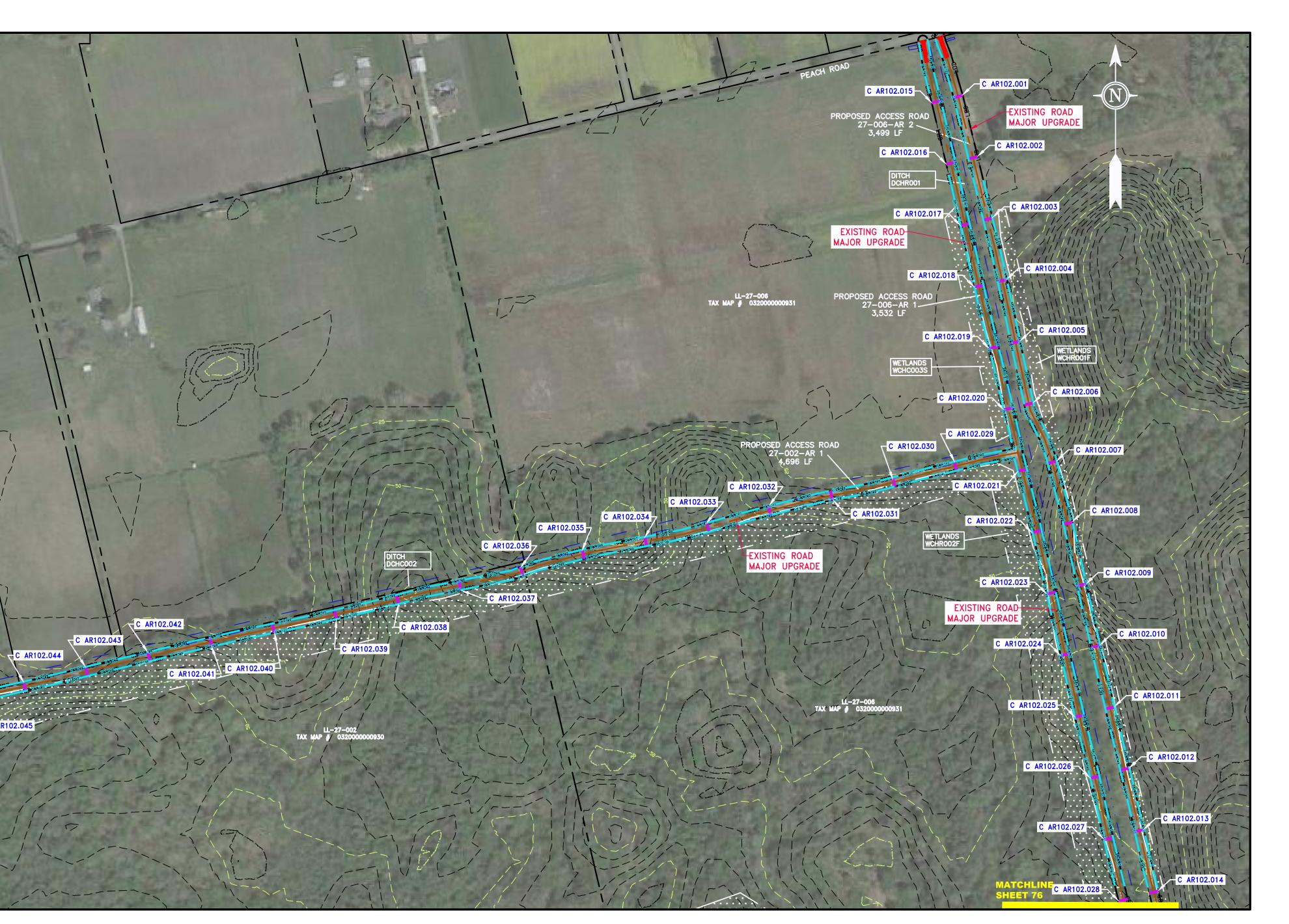
ACCESS ROAD DETAIL 2



ACCESS ROAD DETAIL 3



SCALE: 1'' = 200'



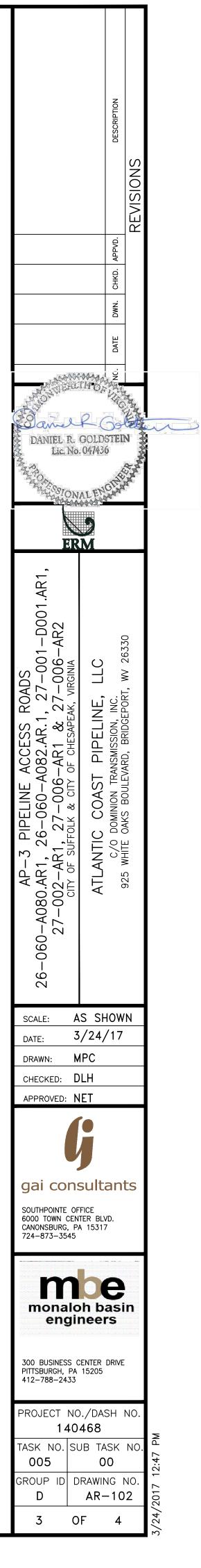
ACCESS ROAD DETAIL 4

THIS DRAWING WAS PRODUCED WITH COMPUTER AIDED DRAFTING TECHNOLOGY AND IS SUPPORTED BY ELECTRONIC DRAWING FILES. DO NOT REVISE THIS DRAWING VIA MANUAL DRAFTING METHODS.

NOTES: 1. 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.
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.
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.

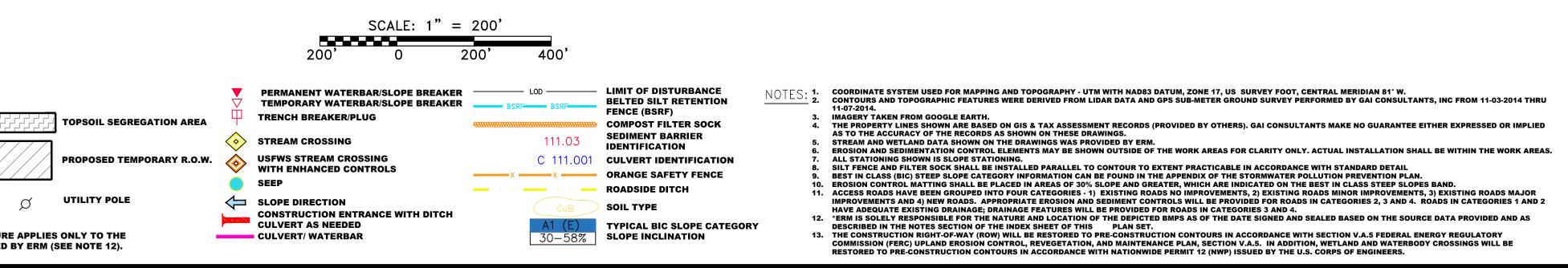
 ALL STATIONING SHOWN IS SLOPE STATIONING.
SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL
BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
EROSION CONTROL 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 DESCRIPTION IN FORMATION OF THE INDEX SHEFT OF THIS DIA 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 v.a.5.





LEGEND					
	PROPERTY LINE –		STORM SEWER		
x x	FENCE -	——————————————————————————————————————	UNDERGROUND ELECTRIC		
· · ·	STREAM	w	WATER LINE	$\times \times \times \times \times \times \times$	AREA OF NO DISTURBANCE
GG	EXISTING GAS PIPELINE	SAN	SANITARY SEWER		
—— он ——	OVERHEAD UTILITY LINES -		EDGE OF GRAVEL		WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)
	ACCESS ROAD -		PROPOSED PERMANENT EASEMENT	• • • • • <u>-</u>	
	PROPOSED GAS PIPELINE		PROPOSED GAS PIPELINE (NO GROUND S	URVEY)	NOTE: THE PE SEAL AND SIGNATUR E&S CONTROL DESIGN COMPLETED

ACCESS ROAD DETAIL 1



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		DESCRIPTION	SNC		
		CHKD. APPVD.	REVISIONS		
		DATE DWN.			
DANIEL R. G Lic No.		CONTRACTOR			
ERN		a server			
AP-3 PIPELINE ACCESS ROADS 25-081-AR 2 CITY OF SUFFOLK & CITY OF CHESAPEAK, VIRGINIA	ATLANTIC COAST PIPELINE, LLC	0/0 DUMINIUN IRANSMISSIUN, INU. 035 WHITE AAKS BAHILEYAAA BAHAFEAAFT WA 36330			
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<b>gai cons</b> SOUTHPOINTE OFFI 6000 TOWN CENTE CANONSBURG, PA 724–873–3545	ice Er Blvd.		ts		
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300 BUSINESS CE PITTSBURGH, PA 1 412-788-2433	5205				
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NOTES: 1. 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.