

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 7-23-2014 TO 10-16-2014.
- IMAGERY DERIVED FROM GOOGLE MAPS.
- 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.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- ERM AND JAMES HEMME, WV P. E. NO. 12195 (HEREAFTER COLLECTIVELY REFERRED TO AS ERM) HAVE DEPICTED EROSION AND SEDIMENTATION CONTROL (E&S) BEST MANAGEMENT PRACTICES (BMPs) ON THESE ALIGNMENT PLAN SHEETS PREPARED BY GAI CONSULTANTS, INC. FOR USE BY CONTRACTOR TO CONTROL EROSION AND SEDIMENTATION DURING CONSTRUCTION OF THIS PROJECT. 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 GENERAL NOTES SECTION OF THIS PLAN SET. NO RESPONSIBILITY IS ASSUMED FOR INACCURACIES OF SOURCE DATA PROVIDED BY OTHERS. ERM RETAINS NO RESPONSIBILITY OF LIABILITY FOR INFORMATION DEVELOPED, PREPARED OR OTHERWISE PROVIDED BY OTHER, OR FOR INACCURACIES OF SOURCE DATA PROVIDED BY OTHER. ERM ASSUMES NO RESPONSIBILITY OR LIABILITY FOR DESIGNS OR WORK PRODUCTS OF ANY TYPE TO THE EXTENT THAT THEY ARE BASED UPON OR DERIVED FROM SUCH INCORRECT INFORMATION OR DATA.

ONE CALL INFO



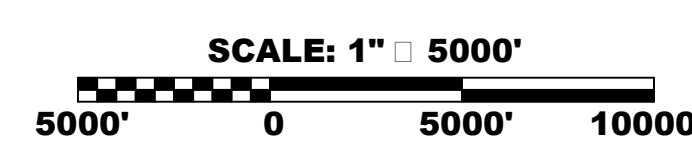
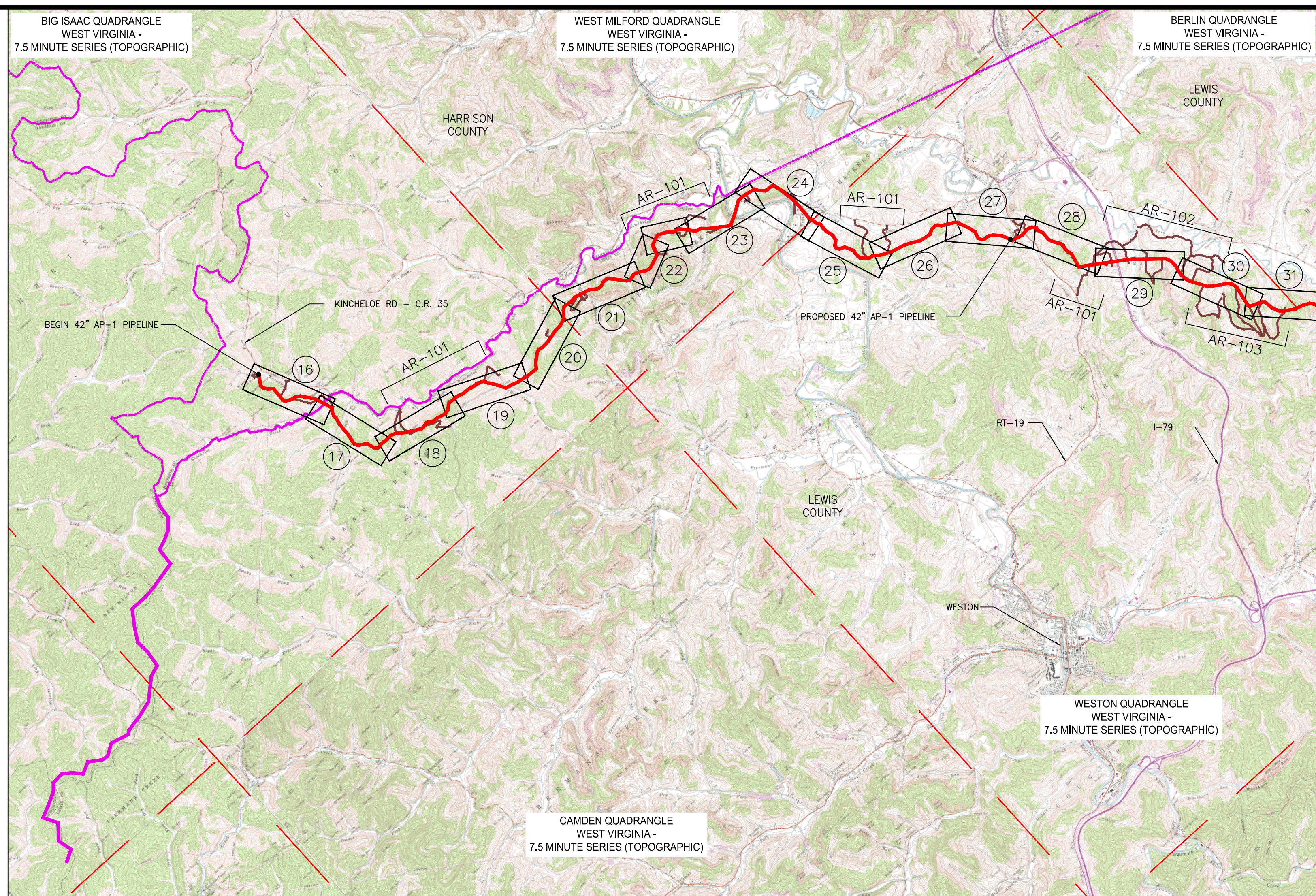
LEGEND

- PROPOSED GAS PIPELINE
- - - PROPOSED GAS PIPELINE (NO GROUND SURVEY)
- PROPOSED ACCESS ROAD
- COUNTY LINES
- - - USGS 7.5 MINUTE TOPOGRAPHICAL BOUNDARIES
- (XX) ALIGNMENT SHEET NUMBER
- AR-XXX ACCESS ROAD SHEET NUMBER

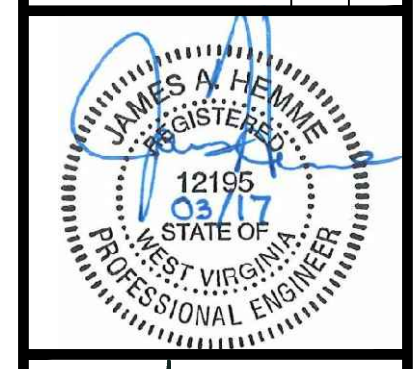
SPREAD 1-1 PIPELINE DRAWING INDEX		
SHEET NO.	REV.	SHEET TITLE
1		COVER SHEET
2-15		INTENTIONALLY LEFT BLANK
16		CONSTRUCTION ALIGNMENT (STA 0+00 TO 56+00)
17		CONSTRUCTION ALIGNMENT (STA 56+00 TO 112+00)
18		CONSTRUCTION ALIGNMENT (STA 112+00 TO 168+00)
19		CONSTRUCTION ALIGNMENT (STA 168+00 TO 224+00)
20		CONSTRUCTION ALIGNMENT (STA 224+00 TO 280+00)
21		CONSTRUCTION ALIGNMENT (STA 280+00 TO 336+00)
22		CONSTRUCTION ALIGNMENT (STA 336+00 TO 392+00)
23		CONSTRUCTION ALIGNMENT (STA 392+00 TO 448+00)
24		CONSTRUCTION ALIGNMENT (STA 448+00 TO 504+00)

SPREAD 1-1 PIPELINE DRAWING INDEX		
SHEET NO.	REV.	SHEET TITLE
25		CONSTRUCTION ALIGNMENT (STA 504+00 TO 560+00)
26		CONSTRUCTION ALIGNMENT (STA 560+00 TO 616+00)
27		CONSTRUCTION ALIGNMENT (STA 616+00 TO 672+00)
28		CONSTRUCTION ALIGNMENT (STA 672+00 TO 728+00)
29		CONSTRUCTION ALIGNMENT (STA 728+00 TO 784+00)
30		CONSTRUCTION ALIGNMENT (STA 784+00 TO 840+00)
31		CONSTRUCTION ALIGNMENT (STA 840+00 TO 896+00)

ATLANTIC COAST PIPELINE PROJECT - 42" SPREAD 1-1



NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION



42" SPREAD 1-1 PIPELINE
E & S CONTROLS COVER SHEET
HARRISON & LEWIS COUNTIES, WEST VIRGINIA
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE:	AS SHOWN
DATE:	6/5/17
DRAWN:	GOS
CHECKED:	DLH
APPROVED:	NET

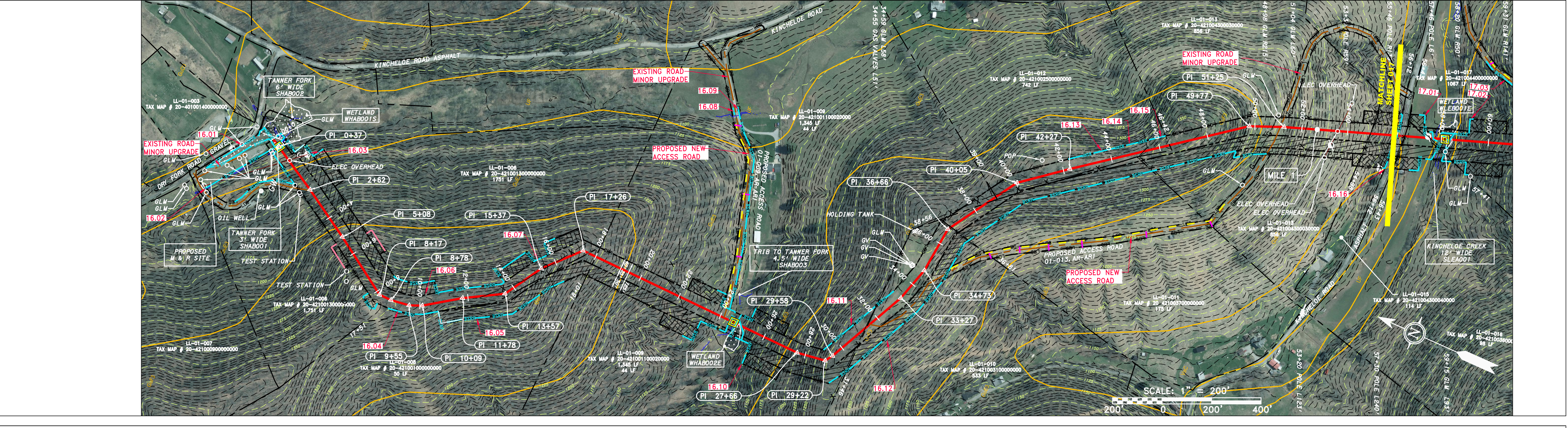
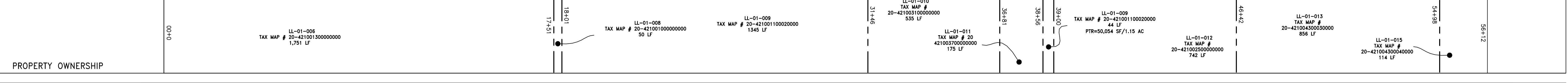
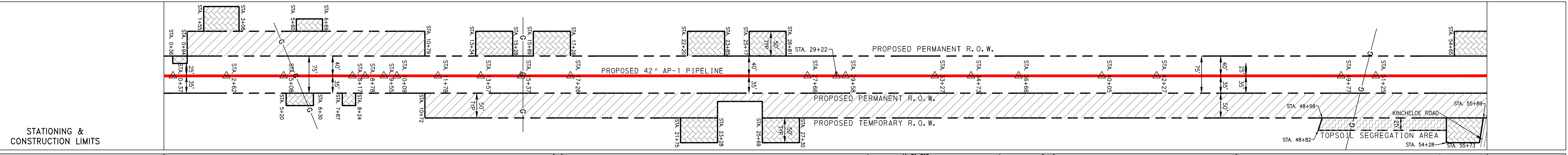
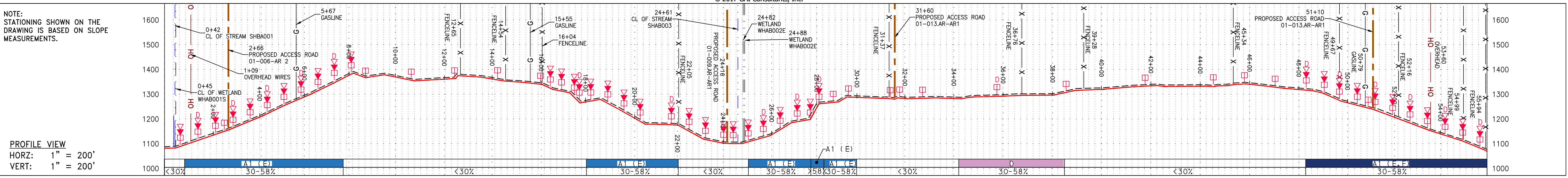
gai consultants
SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-873-3545

mbe
monaloh basin engineers
300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

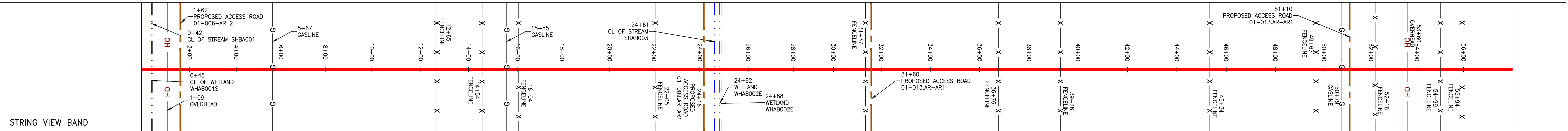
PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E001
001 OF 31	

6/5/2017 1:45 PM

GAI CAD FILE NO. J:\2665 -GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\E&S COVER SHTS WV\E&S WV COVER FOR PLAN SHEETS (1-2).DWG



PIPE SPECIFICATION



LEGEND

	PROPERTY LINE		STORM SEWER		EXTRA WORK SPACE		LIMIT OF DISTURBANCE		COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
	FENCE		UNDERGROUND ELECTRIC		AREA OF NO DISTURBANCE		BELTED SILT RETENTION FENCE (BSRF)		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		WATER LINE		PROPOSED TEMPORARY R.O.W.		SUPER SILT FENCE		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.
	EXISTING GAS PIPELINE		SANITARY SEWER		WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		COMPOST FILTER SOCK		ALL STATIONING SHOWN IS SLOPE STATIONING.
	OVERHEAD UTILITY LINES		EDGE OF GRAVEL		UTILITY POLE		SEDIMENT BARRIER IDENTIFICATION		ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS WITH MINOR IMPROVEMENTS, 2) EXISTING ROADS WITH MAJOR IMPROVEMENTS AND 3) 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.
	PROPOSED GAS PIPELINE		PROPOSED PERMANENT EASEMENT		NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).		ORANGE SAFETY FENCE		*ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE EXISTING 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.

NO.	DATE	DRAWN	CHECKED	APPROVED	DESCRIPTION

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 0+00 TO 56+00

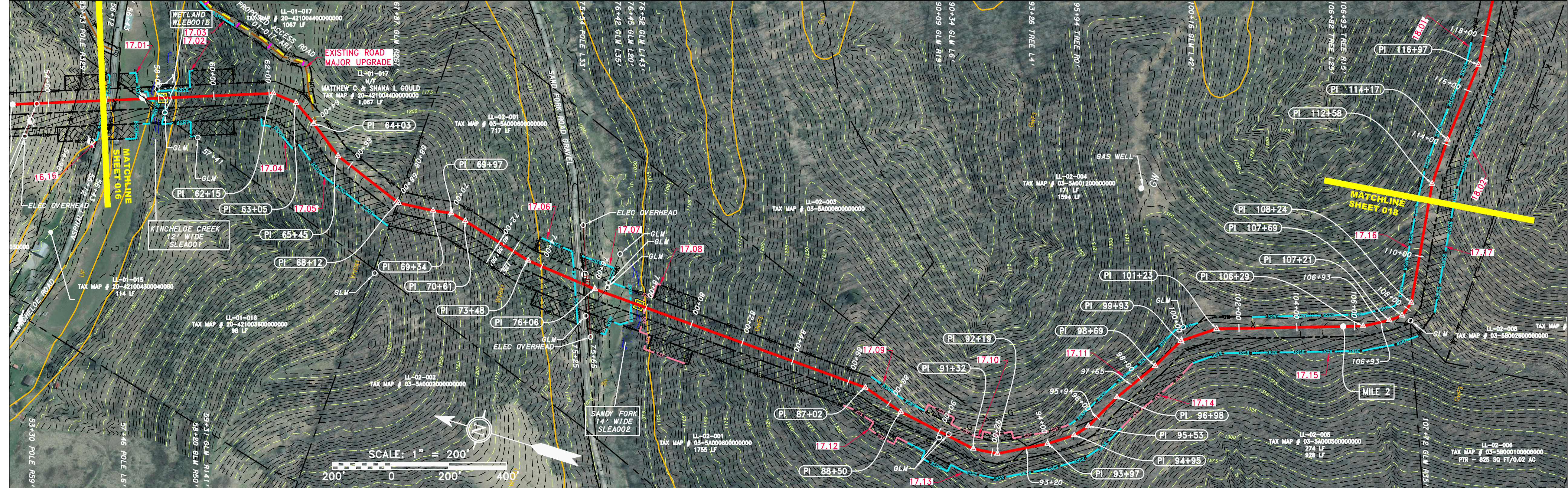
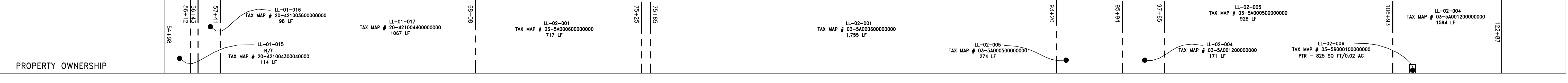
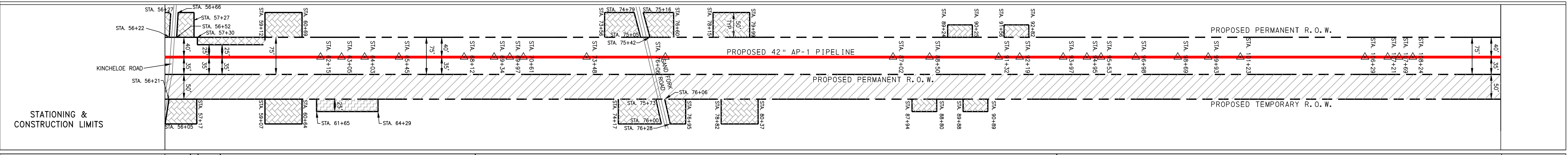
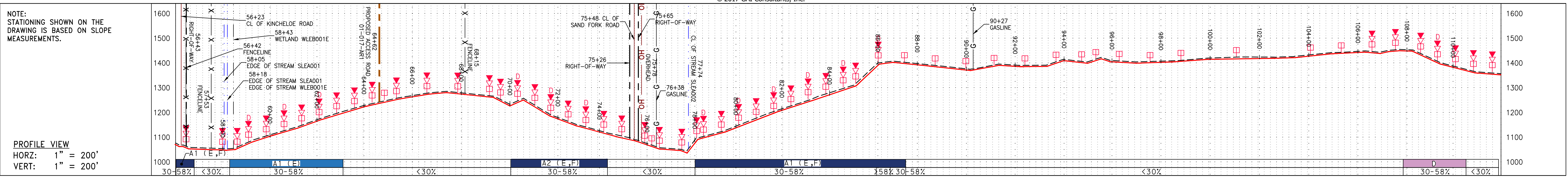
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN
DATE: 6/8/17
DRAWN: CLM
CHECKED: DLH
APPROVED: NET

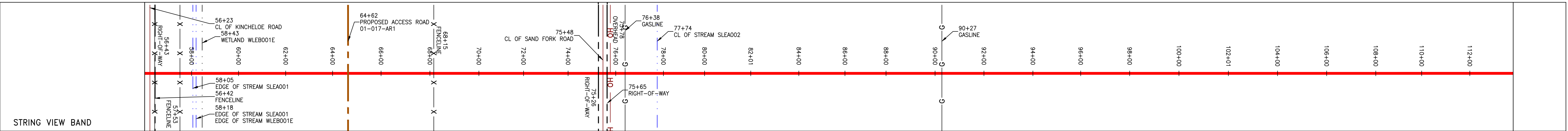
gai consultants
SOUTHPOINT OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-873-3545

mbe
monahon basin engineers
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 E016
016 OF 344		



PIPE SPECIFICATION NOT TO SCALE



<p>LEGEND</p> <ul style="list-style-type: none"> — PROPERTY LINE -X-X- FENCE -G-G- EXISTING GAS PIPELINE -OH- OVERHEAD UTILITY LINES - ACCESS ROAD - PROPOSED GAS PIPELINE - STORM SEWER - UNDERGROUND ELECTRIC - WATER LINE - SAN - SANITARY SEWER - EDGE OF GRAVEL - PROPOSED PERMANENT EASEMENT - PROPOSED GAS PIPELINE (NO GROUND SURVEY) 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 TRENCH BREAKER/PLUG BLEEDER DRAIN AND OUTLET STREAM CROSSING USFWS STREAM CROSSING WITH ENHANCED CONTROLS SEEP CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED CULVERT WATERBAR LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF) SSF 111.03 ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION 	<p>NOTES:</p> <ol style="list-style-type: none"> 1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. SURVEY FOOT, CENTRAL MERIDIAN 81° W. 2. 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. 3. IMAGERY TAKEN FROM GOOGLE EARTH. 4. 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. 5. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. 6. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. 7. ALL STATIONING SHOWN IS SLOPE STATIONING. 8. 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. 9. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND. 10. 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 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. 11. *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.
--	---	--

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

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

SCALE: AS SHOWN
 DATE: 5/30/17
 DRAWN: CLM
 CHECKED: DLH
 APPROVED: NET

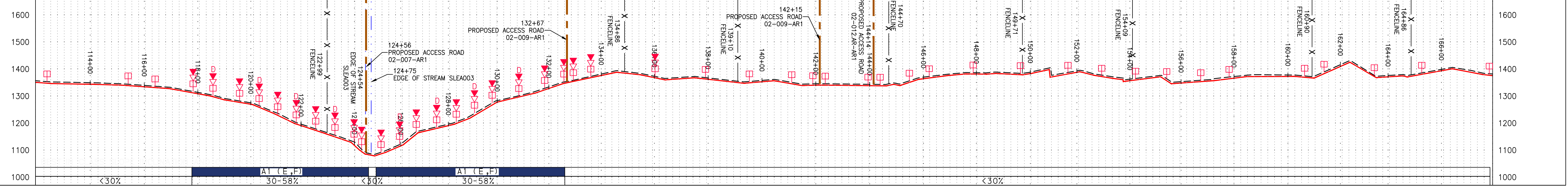
SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

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

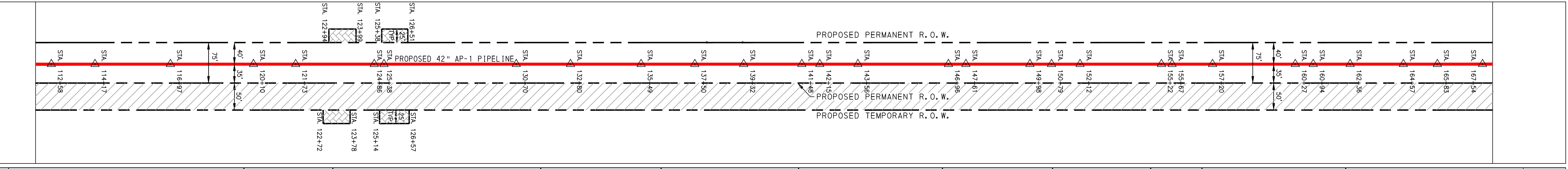
PROJECT NO./DASH NO.	140468	
TASK NO.	SUB TASK NO.	005 00
GROUP ID	DRAWING NO.	D E017
017	OF 344	

NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

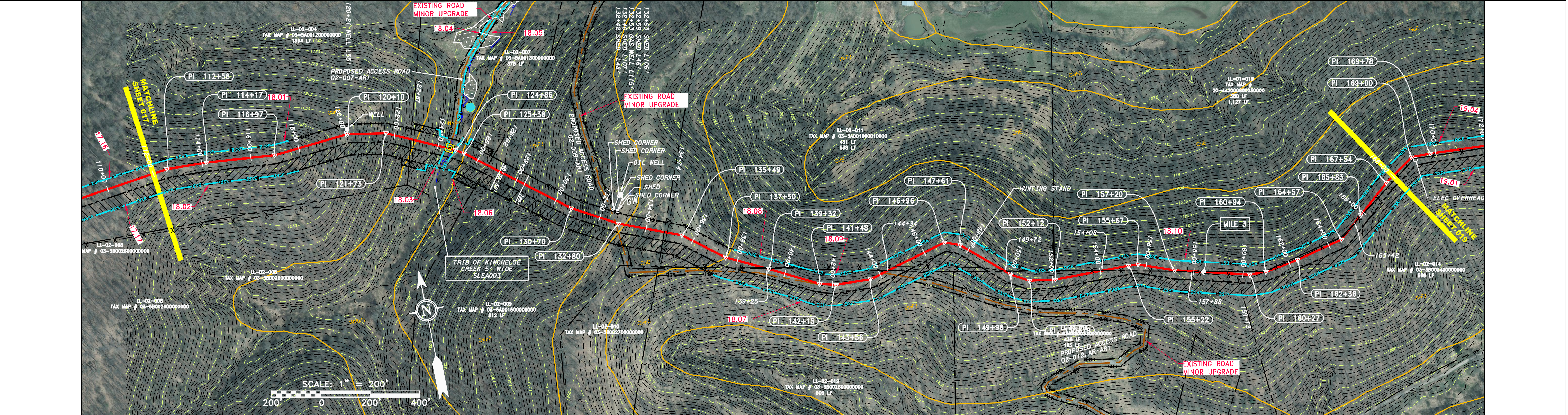
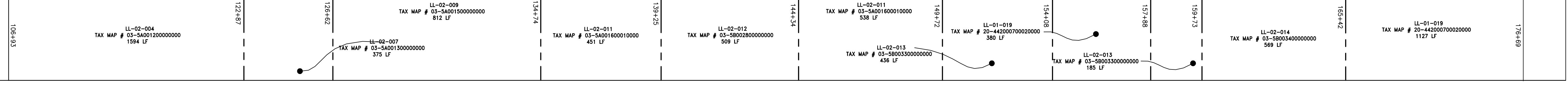
PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



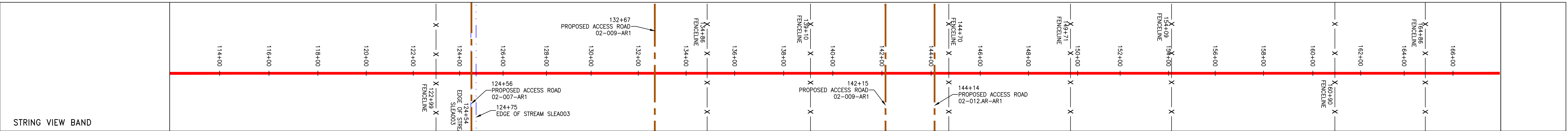
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION



LEGEND

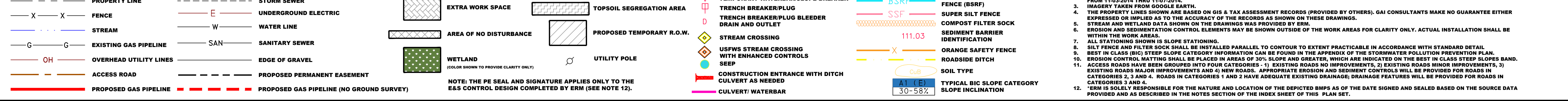


Table with columns: NO., DATE, CHKD., APPD., DESCRIPTION. Includes a professional engineer seal for James A. Hummer, State of West Virginia, License No. 12195.

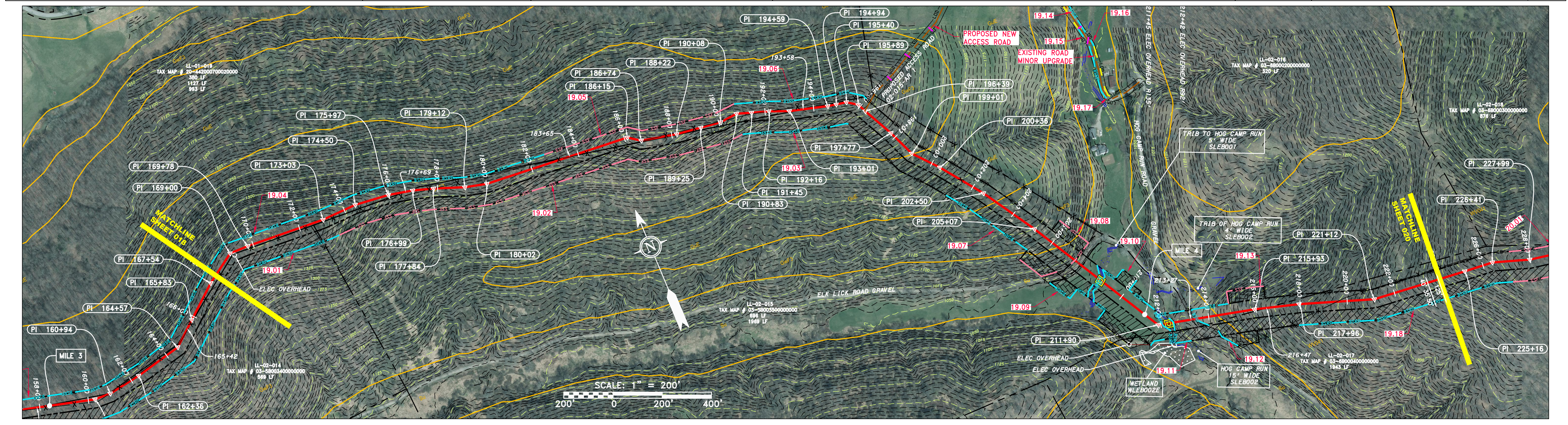
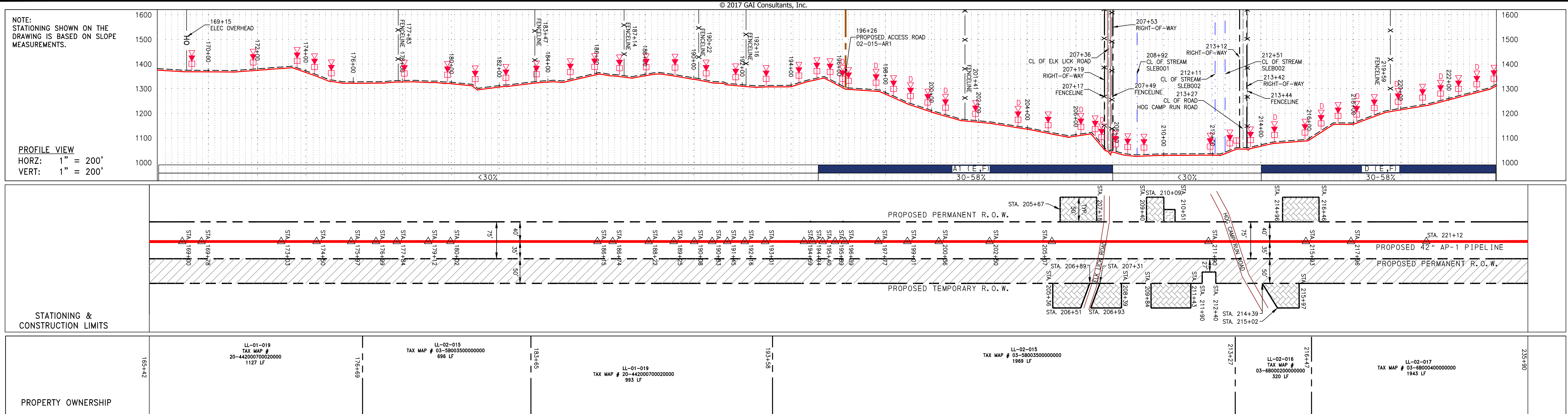
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
CONSTRUCTION ALIGNMENT STA 112+00 TO 168+00
LEWIS COUNTY, WEST VIRGINIA

SCALE: AS SHOWN
DATE: 5/30/17
DRAWN: GOS
CHECKED: BMT
APPROVED: NET

gai consultants logo and address: SOUTHPOINTE OFFICE, 6000 TOWN CENTER BLVD., CANONSBURG, PA 15317, 724-873-3545.

Table with columns: PROJECT NO./DASH NO., TASK NO., SUB TASK NO., GROUP ID, DRAWING NO. Values: 140468, 005, 00, D, E018.

J:\2665 -GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (19).DWG



PIPE SPECIFICATION

STRING VIEW BAND

HO	169+15	ELEC OVERHEAD	170+00	172+00	174+00	176+00	178+00	180+00	182+00	184+00	186+00	188+00	190+00	192+00	194+00	196+00	200+00	204+00	208+00	212+00	216+00	220+00	224+00	228+00	232+00	235+90
----	--------	---------------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

LEGEND

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

REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

ERM

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

CONSTRUCTION ALIGNMENT STA 168+00 TO 224+00
 LEWIS COUNTY, WEST VIRGINIA

SCALE: AS SHOWN
 DATE: 5/30/17
 DRAWN: GOS
 CHECKED: DLH
 APPROVED: NET

gai consultants

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

mbe monaloh basin engineers

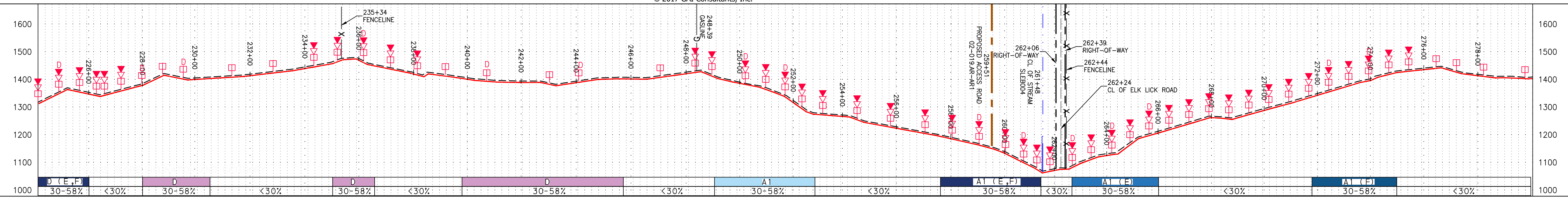
300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO. 140468
 TASK NO. SUB TASK NO. 005 00
 GROUP ID DRAWING NO. D E019
 019 OF 344

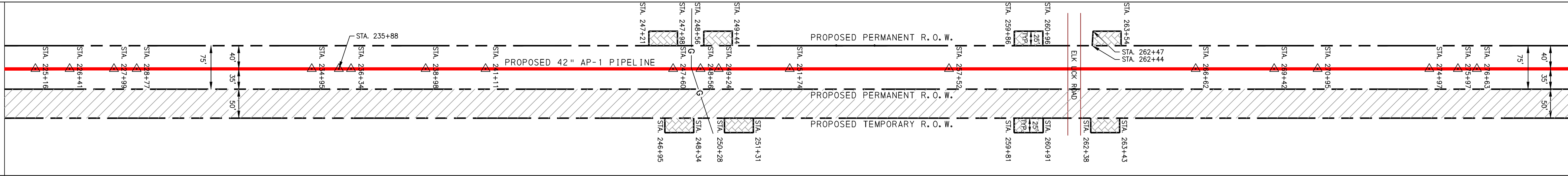
5/30/2017 2:47 PM

NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

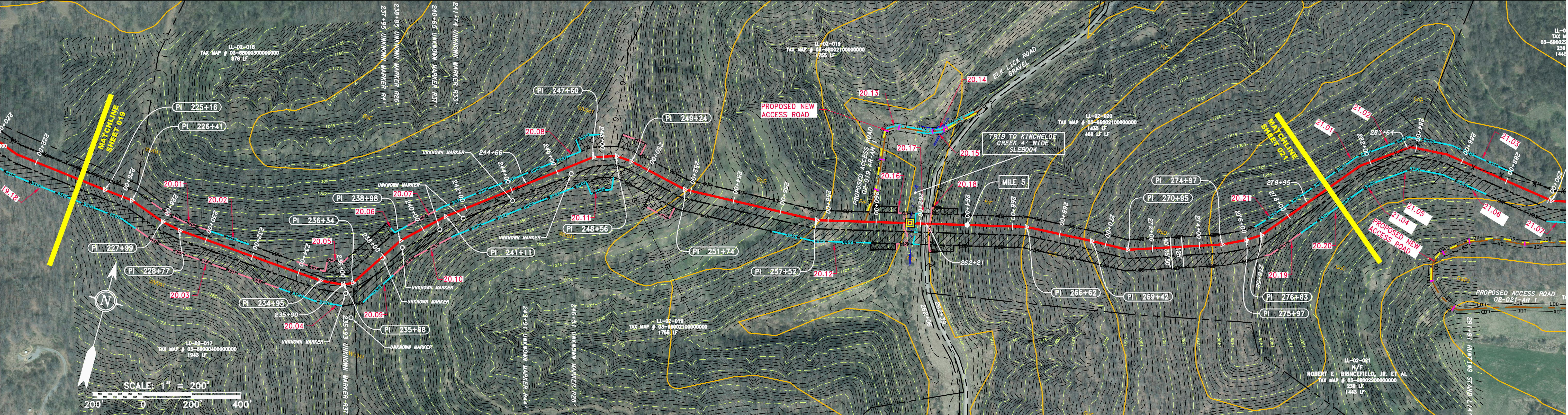
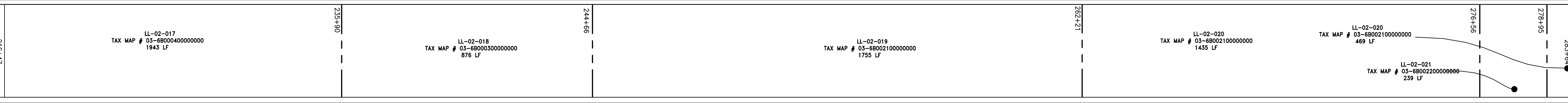
PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



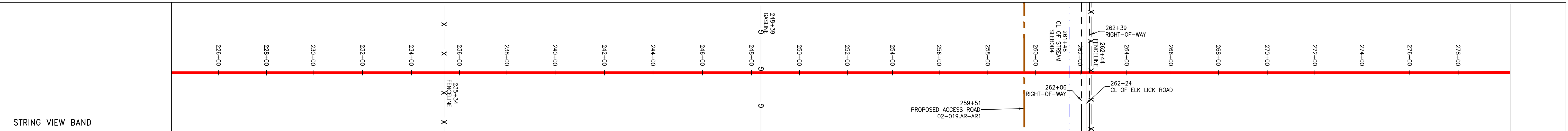
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION



LEGEND

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

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 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 EXISTING 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.

NO.	DATE	CHKD.	APP'D.	DESCRIPTION

CONSTRUCTION ALIGNMENT STA 224+00 TO 280+00
LEWIS COUNTY, WEST VIRGINIA

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

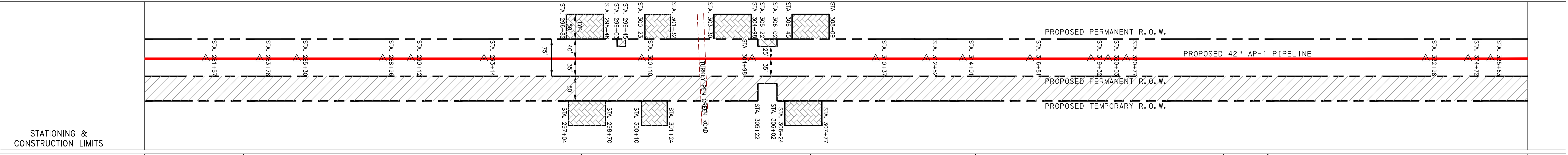
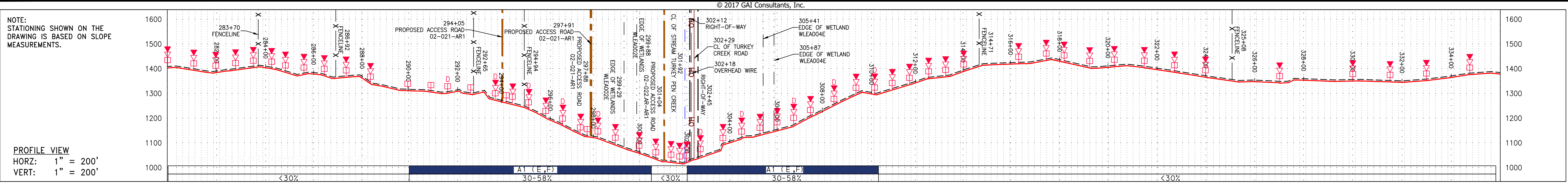
SCALE: AS SHOWN
DATE: 5/30/17
DRAWN: GOS
CHECKED: DLH
APPROVED: NET

gai consultants
SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-673-3545

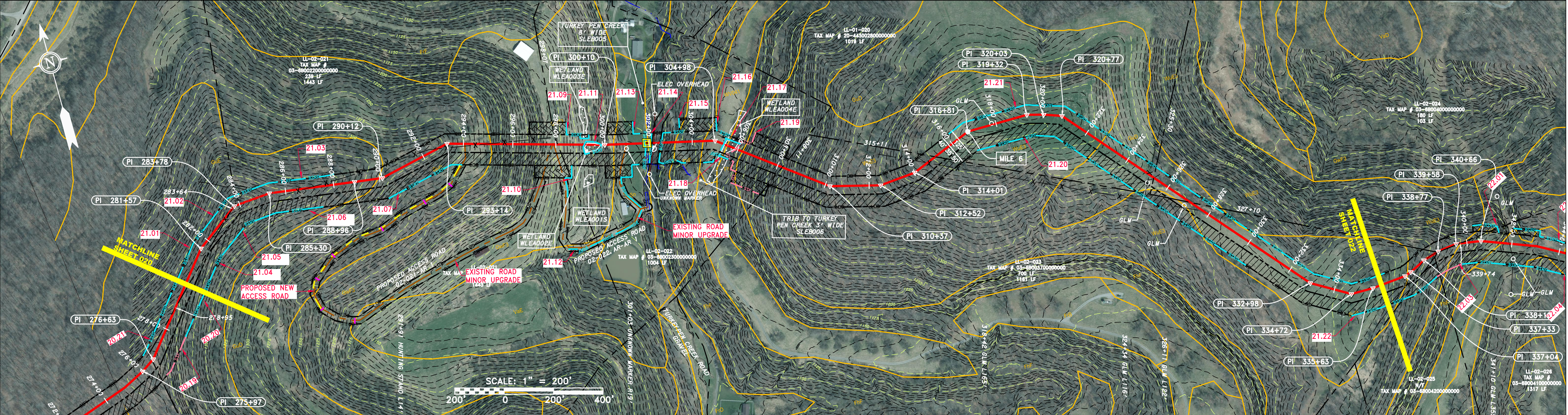
mbe monaloh basin engineers
300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

PROJECT NO./DASH NO.	140468	
TASK NO.	SUB TASK NO.	
005	00	
GROUP ID	DRAWING NO.	
D	E020	
020	OF	344

J:\2665 - GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (20).DWG

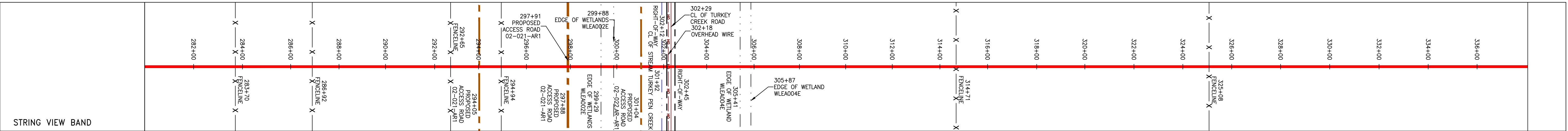


PROPERTY OWNERSHIP	LL-02-020 TAX MAP # 03-680021000000 469 LF	LL-02-021 TAX MAP # 03-68002200000000 1443 LF	LL-02-022 TAX MAP # 03-68002300000000 1004 LF	LL-02-023 TAX MAP # 03-68002400000000 700 LF	LL-01-000 TAX MAP # 20-4450220000000000 1019 LF	LL-02-024 TAX MAP # 03-6800400000000000 180 LF	LL-02-025 TAX MAP # 03-6800370000000000 1161 LF	LL-02-026 TAX MAP # 03-6800420000000000 1317 LF
278+95	283+64	298+00	308+11	315+11	325+30	327+10	336+71	



PIPE SPECIFICATION

42" AP-1 PIPELINE	PROPOSED PERMANENT R.O.W.	PROPOSED TEMPORARY R.O.W.
-------------------	---------------------------	---------------------------



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]	BSRF	[Black Line]	LIMIT OF DISTURBANCE
— X — X —	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]	SSSF	[Black Line]	BELTED SILT RETENTION FENCE (BSRF)
— G — G —	EXISTING GAS PIPELINE	— S —	WATER LINE	[Green Box]	WETLAND	[Hatched Box]	UTILITY POLE	[Red Triangle]	TRENCH BREAKER/PLUG	[Blue Line]	111.03	[Black Line]	SUPER SILT FENCE
— OH —	OVERHEAD UTILITY LINES	— E —	SANITARY SEWER	[Green Box]	WETLAND	[Hatched Box]	UTILITY POLE	[Red Triangle]	TRENCH BREAKER/PLUG BLEEDER DRAIN AND OUTLET	[Blue Line]	111.03	[Black Line]	COMPOST FILTER SOCK
— A — A —	ACCESS ROAD	— E —	EDGE OF GRAVEL	[Green Box]	WETLAND	[Hatched Box]	UTILITY POLE	[Red Triangle]	SEDIMENT BARRIER IDENTIFICATION	[Blue Line]	111.03	[Black Line]	ORANGE SAFETY FENCE
— G — G —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	— E —	PROPOSED PERMANENT EASEMENT	[Green Box]	WETLAND	[Hatched Box]	UTILITY POLE	[Red Triangle]	ORANGE SAFETY FENCE	[Blue Line]	111.03	[Black Line]	ROADSIDE DITCH
		— E —	PROPOSED PERMANENT R.O.W.	[Green Box]	WETLAND	[Hatched Box]	UTILITY POLE	[Red Triangle]	SOIL TYPE	[Blue Line]	111.03	[Black Line]	SOIL TYPE
		— E —	PROPOSED TEMPORARY R.O.W.	[Green Box]	WETLAND	[Hatched Box]	UTILITY POLE	[Red Triangle]	CONSTRUCTION ENTRANCE WITH DITCH	[Blue Line]	111.03	[Black Line]	TYPICAL BIC SLOPE CATEGORY
		— E —	PROPOSED TEMPORARY R.O.W.	[Green Box]	WETLAND	[Hatched Box]	UTILITY POLE	[Red Triangle]	CULVERT WATERBAR	[Blue Line]	111.03	[Black Line]	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 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.

J:\2665 -GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (21).DWG

REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

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

CONSTRUCTION ALIGNMENT STA 280+00 TO 336+00
 LEWIS COUNTY, WEST VIRGINIA

SCALE: AS SHOWN
 DATE: 5/30/17
 DRAWN: GOS
 CHECKED: DLH
 APPROVED: NET

gai consultants

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

mbe
 monaloh basin
 engineers

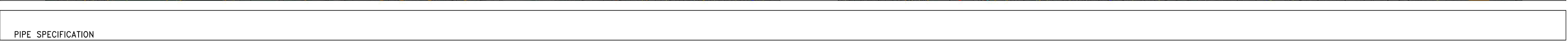
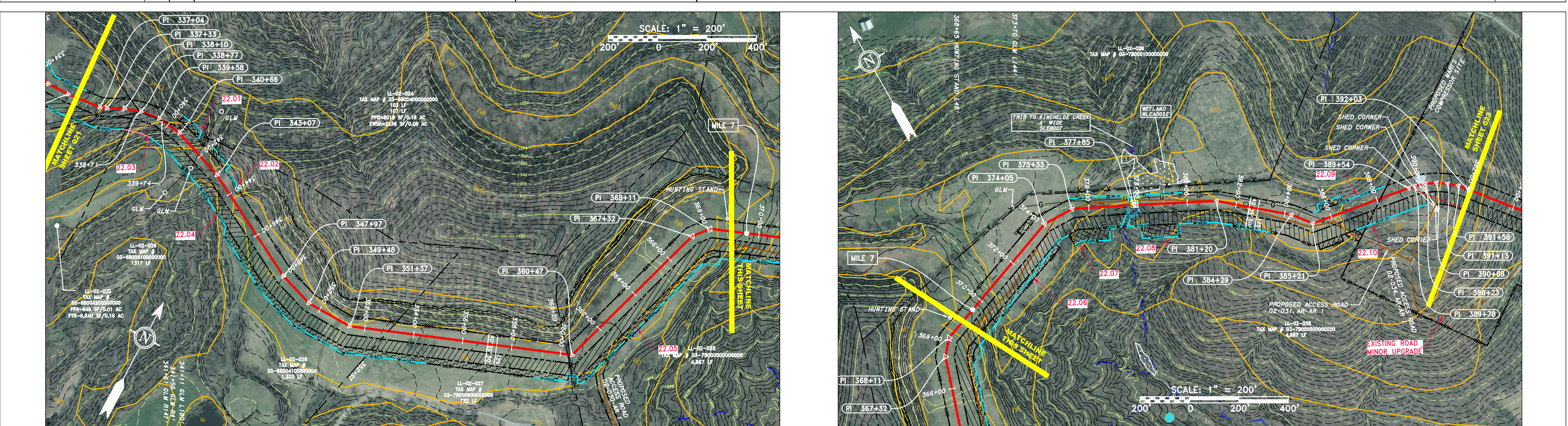
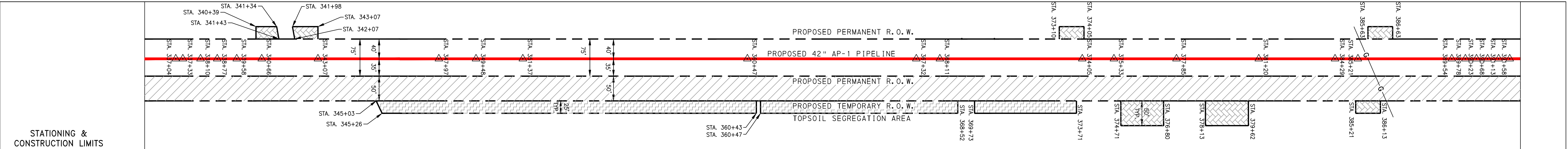
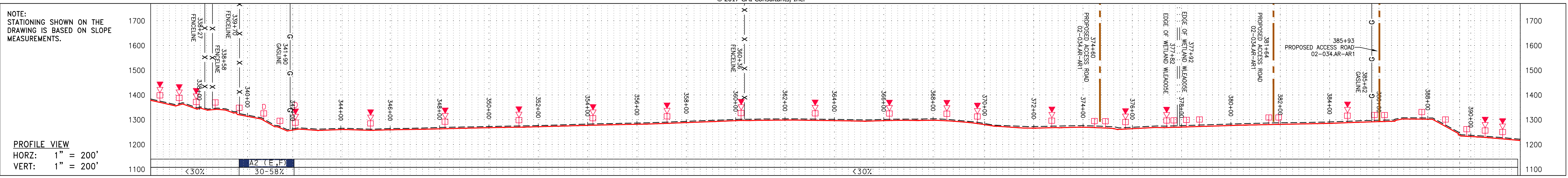
300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO.
140468

TASK NO.	SUB TASK NO.
005	00

GROUP ID: D DRAWING NO.: E021

021 OF 344



LEGEND			
—	PROPERTY LINE	—	STORM SEWER
X X	FENCE	—	UNDERGROUND ELECTRIC
—	STREAM	—	WATER LINE
G G	EXISTING GAS PIPELINE	—	SANITARY SEWER
OH	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	—	UTILITY POLE
—	PERMANENT WATERBAR/SLOPE BREAKER	—	LIMIT OF DISTURBANCE
—	TEMPORARY WATERBAR/SLOPE BREAKER	—	BELTED SILT RETENTION FENCE (BSRF)
—	TRENCH BREAKER/PLUG	—	SUPER SILT FENCE
—	TRENCH BREAKER/PLUG BLEEDER	—	COMPOST FILTER SOCK
—	DRAIN AND OUTLET	—	SEDIMENT BARRIER IDENTIFICATION
—	STREAM CROSSING	—	ORANGE SAFETY FENCE
—	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	—	ROADSIDE DITCH
—	SEEP	—	SOIL TYPE
—	CONSTRUCTION ENTRANCE WITH DITCH	—	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION
—	CULVERT AS NEEDED	—	
—	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.
- 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 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.

J:\2665 -GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (22).DWG

© 2017 GAI Consultants, Inc.

NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

PROFILE VIEW
 HORZ: 1" = 200'
 VERT: 1" = 200'

STATIONING & CONSTRUCTION LIMITS

PROPERTY OWNERSHIP

PIPE SPECIFICATION

STRING VIEW BAND

REVISIONS					
NO.	DATE	BY	CHKD.	APPROD.	DESCRIPTION

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

LEWIS COUNTY, WEST VIRGINIA

SCALE: AS SHOWN
 DATE: 5/31/17
 DRAWN: GOS
 CHECKED: DLH
 APPROVED: NET

gai consultants

SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-273-3545

mbe
 monaloh basin engineers

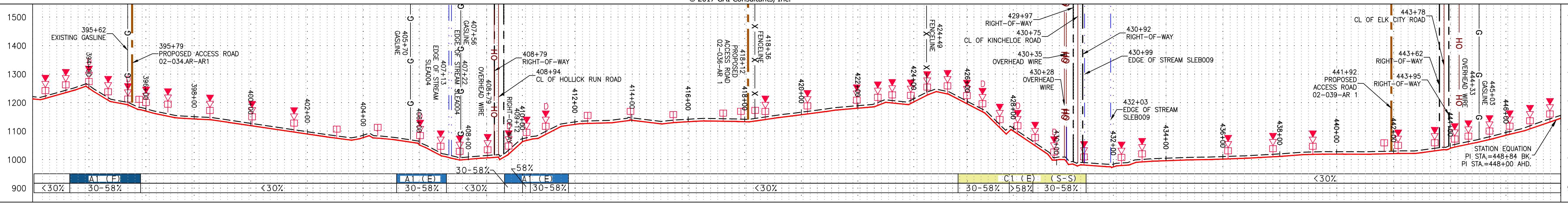
300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO. 140468	
TASK NO.	SUB TASK NO.
005	00
GROUP ID	DRAWING NO.
D	E022
022	OF 344

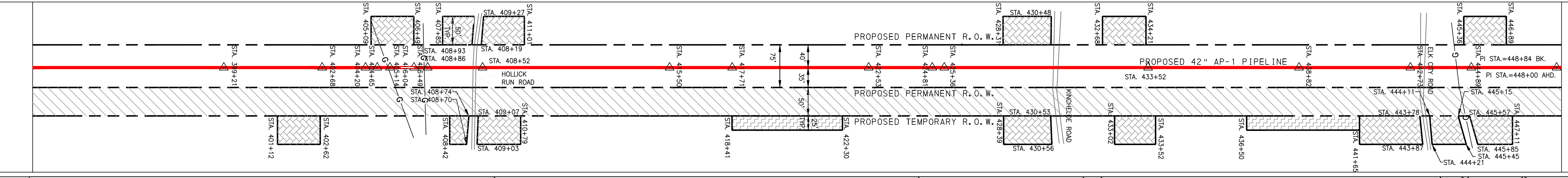
5/31/2017 9:53 AM

NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

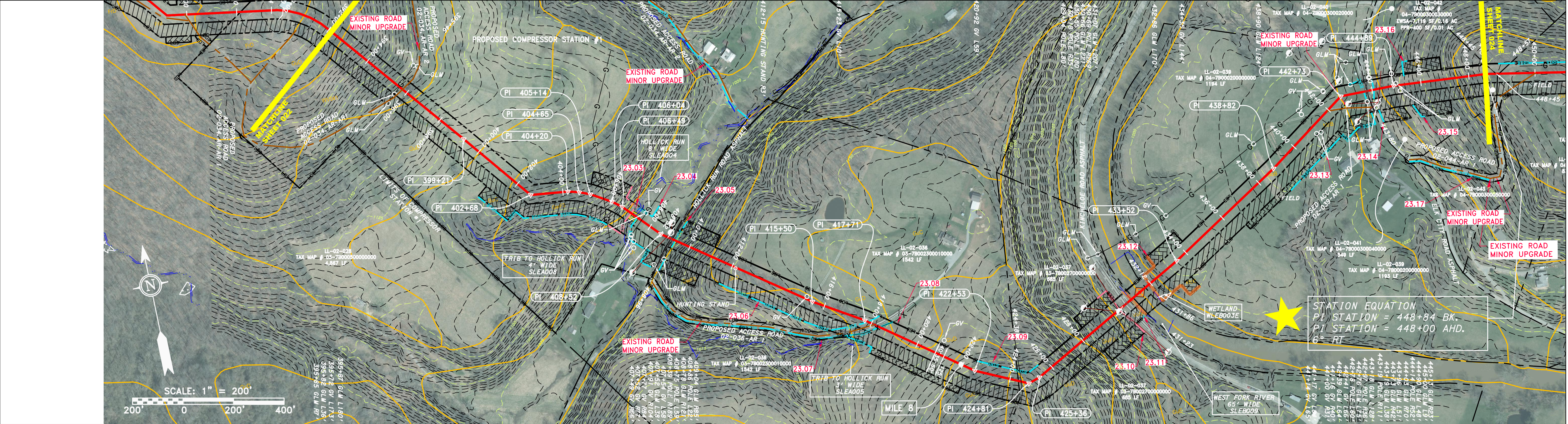
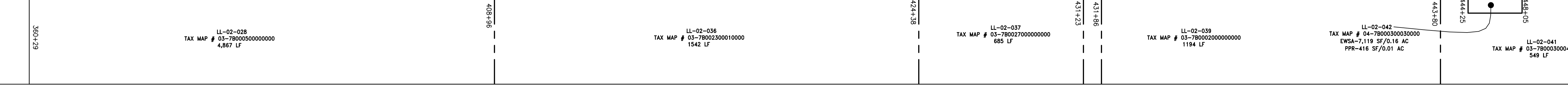
PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



STATIONING & CONSTRUCTION LIMITS

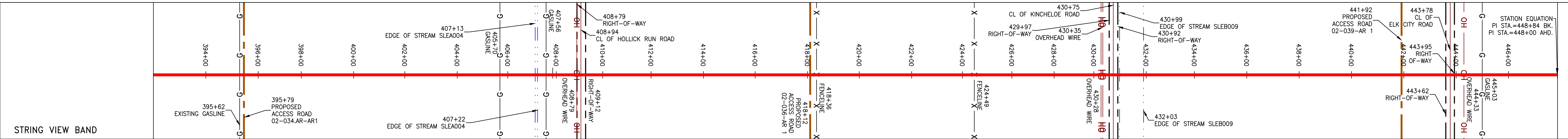


PROPERTY OWNERSHIP



STATION EQUATION
PI STATION = 448+84 BK.
PI STATION = 448+00 AHD.
6° RT

PIPE SPECIFICATION



LEGEND

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

- PERMANENT WATERBAR/SLOPE BREAKER
TEMPORARY WATERBAR/SLOPE BREAKER
TRENCH BREAKER/PLUG
TRENCH BREAKER/PLUG BLEEDER
DRAIN AND OUTLET
STREAM CROSSING
ORANGE SAFETY FENCE
ROADSIDE DITCH
SOIL TYPE
TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION

- NOTES:
1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
2. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC.
3. IMAGERY TAKEN FROM GOOGLE EARTH.
4. 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.
5. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
6. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
7. ALL STATIONING SHOWN IS SLOPE STATIONING.
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) STREAM CROSSING INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
10. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.
11. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES: 1) EXISTING ROADS WITH MINOR IMPROVEMENTS, 2) EXISTING ROADS WITH MAJOR IMPROVEMENTS AND 3) EXISTING ROADS WITH MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 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.
12. *ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICED 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.

REVISIONS table with columns: NO., DATE, CHKD., APPD., DESCRIPTION.

ATLANTIC COAST PIPELINE, LLC
CONSTRUCTION ALIGNMENT STA 392+00 TO 448+00
LEWIS COUNTY, WEST VIRGINIA
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN
DATE: 2/21/17
DRAWN: GOS
CHECKED: DLH
APPROVED: NET



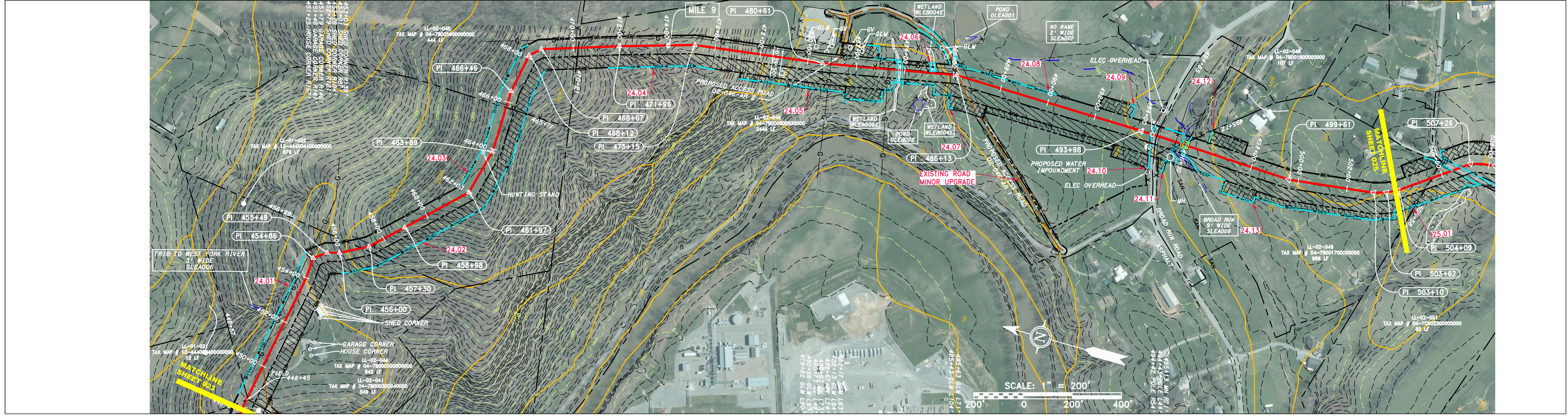
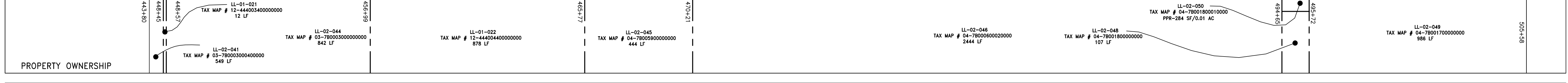
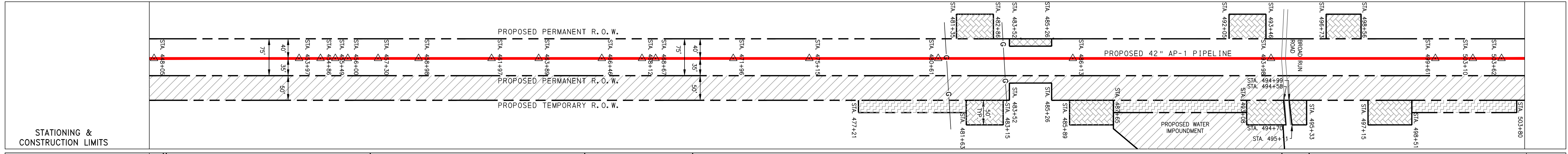
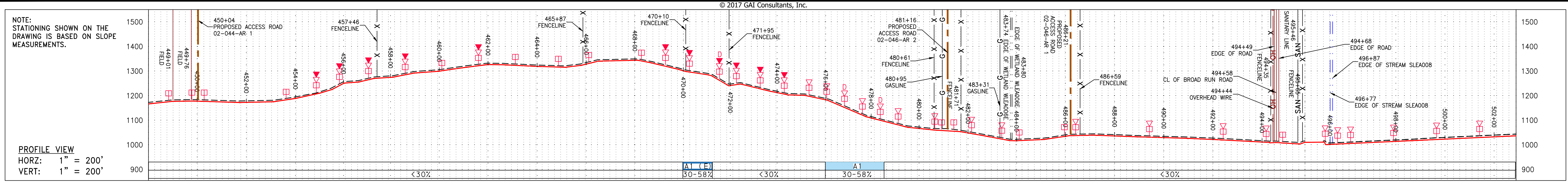
SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-273-3545



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

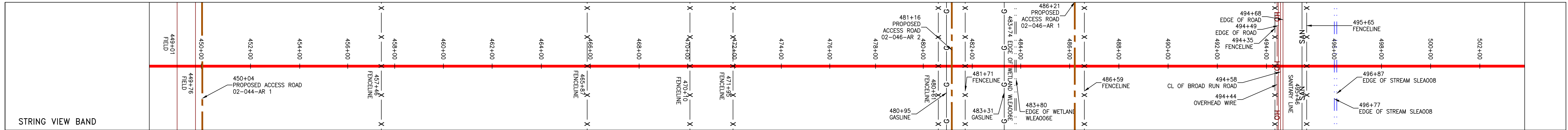
PROJECT NO./DASH NO. 140468
TASK NO. 005 SUB TASK NO. 00
GROUP ID D DRAWING NO. E023
023 OF 344

J:\2665 -GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (24).DWG



PIPE SPECIFICATION

PROPOSED GAS PIPELINE	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
-----------------------	--



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	[Circle]	UTILITY POLE
— OH —	OVERHEAD UTILITY LINES	—	SANITARY SEWER	[Green Box]	WETLAND	[Circle]	UTILITY POLE
—	ACCESS ROAD	—	EDGE OF GRAVEL	[Green Box]	WETLAND	[Circle]	UTILITY POLE
—	PROPOSED PERMANENT EASEMENT	—	PROPOSED PERMANENT EASEMENT	[Green Box]	WETLAND	[Circle]	UTILITY POLE
—	PROPOSED GAS PIPELINE	—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Green Box]	WETLAND	[Circle]	UTILITY POLE

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 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 WITH NO IMPROVEMENTS, 2) EXISTING ROADS WITH MINOR IMPROVEMENTS, 3) EXISTING ROADS WITH 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 EXISTING 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.

REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

ERM

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

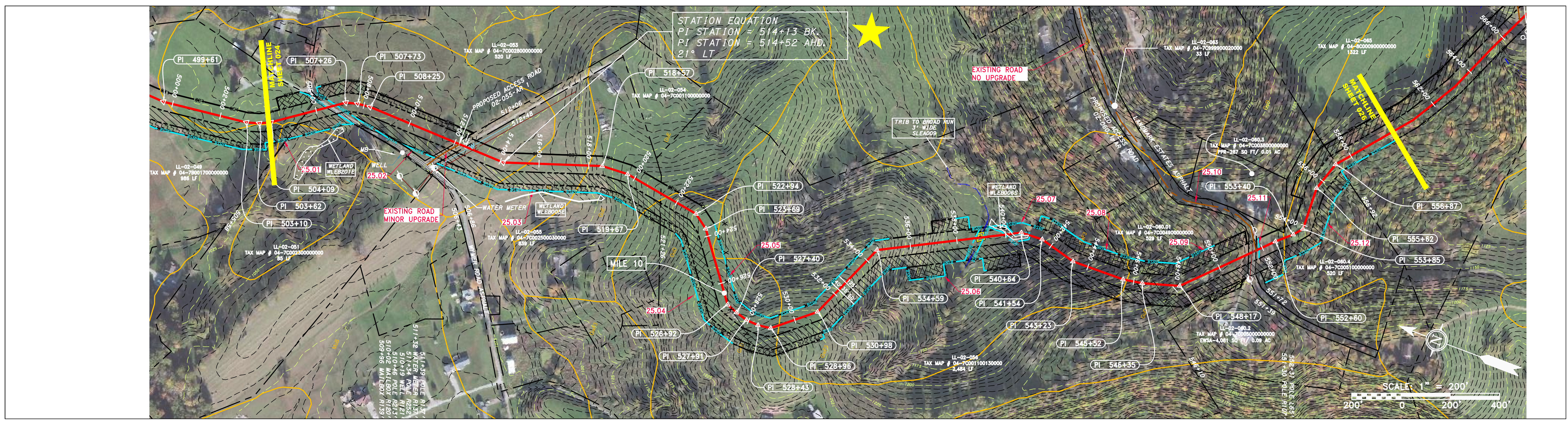
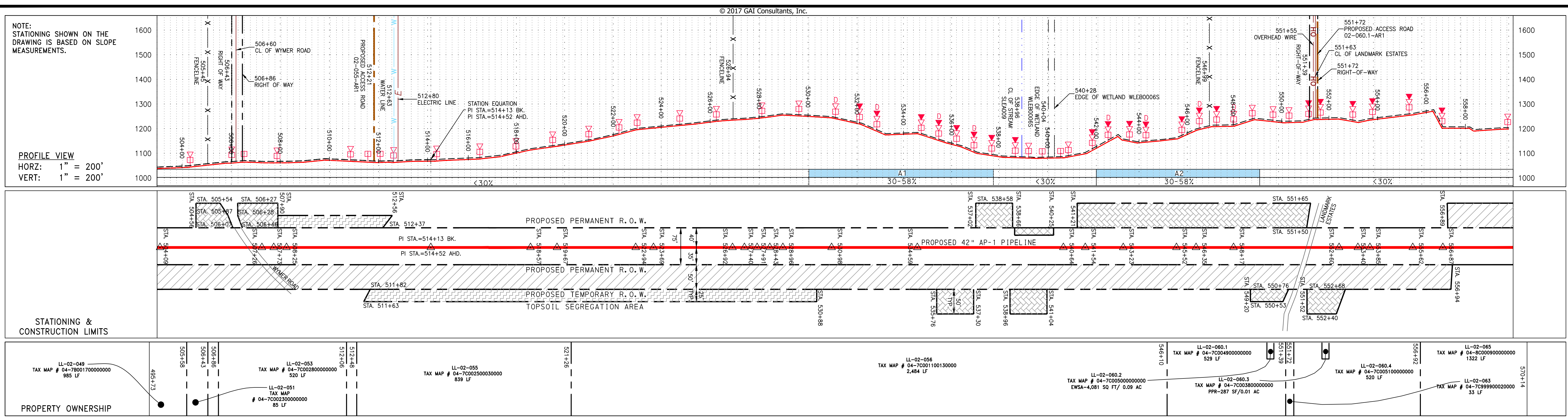
CONSTRUCTION ALIGNMENT STA 448+00 TO 504+00
 LEWIS COUNTY, WEST VIRGINIA

SCALE: AS SHOWN
 DATE: 5/31/17
 DRAWN: GOS
 CHECKED: DLH
 APPROVED: NET

PROJECT NO./DASH NO. 140468
 TASK NO. SUB TASK NO. 005 00
 GROUP ID DRAWING NO. D E024
 024 OF 344

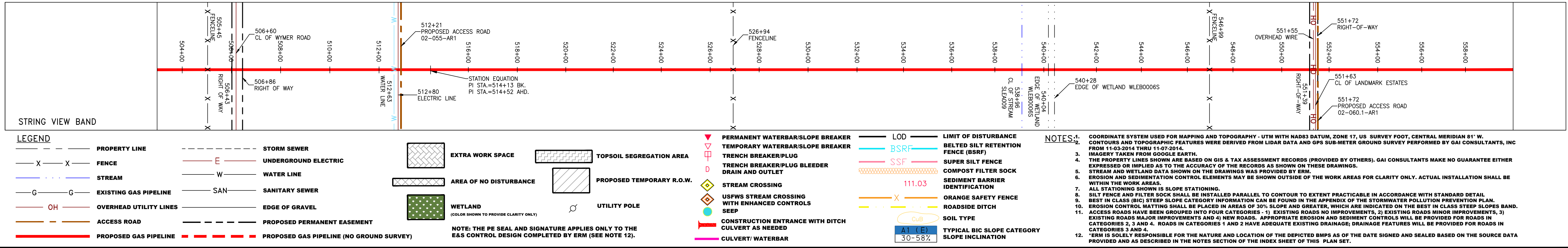
5/31/2017 10:08 AM

J:\2665 -GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (25).DWG



PIPE SPECIFICATION

42" AP-1 PIPELINE	42" AP-1 PIPELINE
-------------------	-------------------



REVISIONS

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

ERM

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

CONSTRUCTION ALIGNMENT STA 504+00 TO 560+00
 LEWIS COUNTY, WEST VIRGINIA

SCALE: AS SHOWN
DATE: 5/31/17
DRAWN: GOS
CHECKED: DLH
APPROVED: NET

gai consultants - NC, inc.
 4198 COX ROAD
 SUITE 114
 GLEN ALLEN, VA 23060
 804-270-9357
 N.C. COL #F-0269

mbe
monaloh basin
engineers
 300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO.
 140468

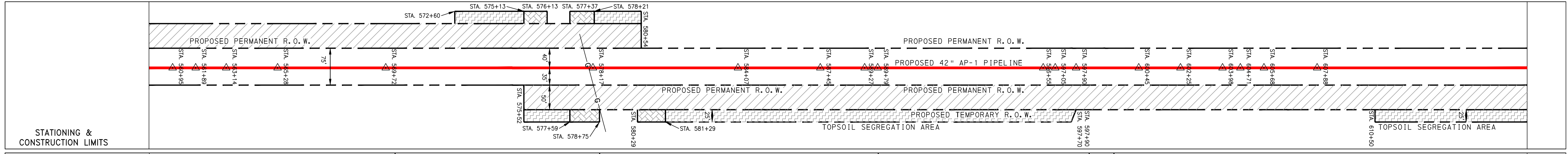
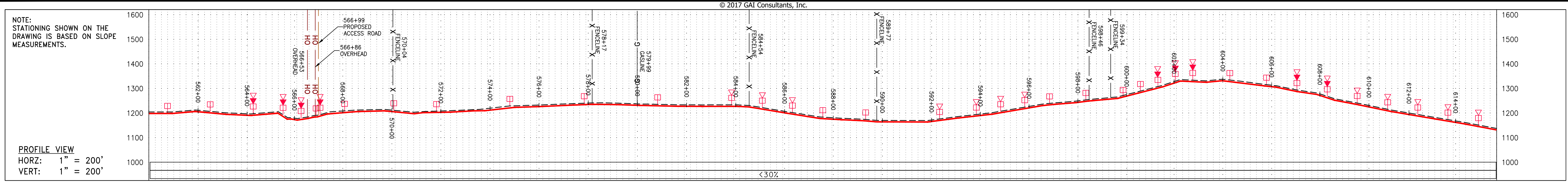
TASK NO.	SUB TASK NO.
005	00

GROUP ID: D DRAWING NO.: E025

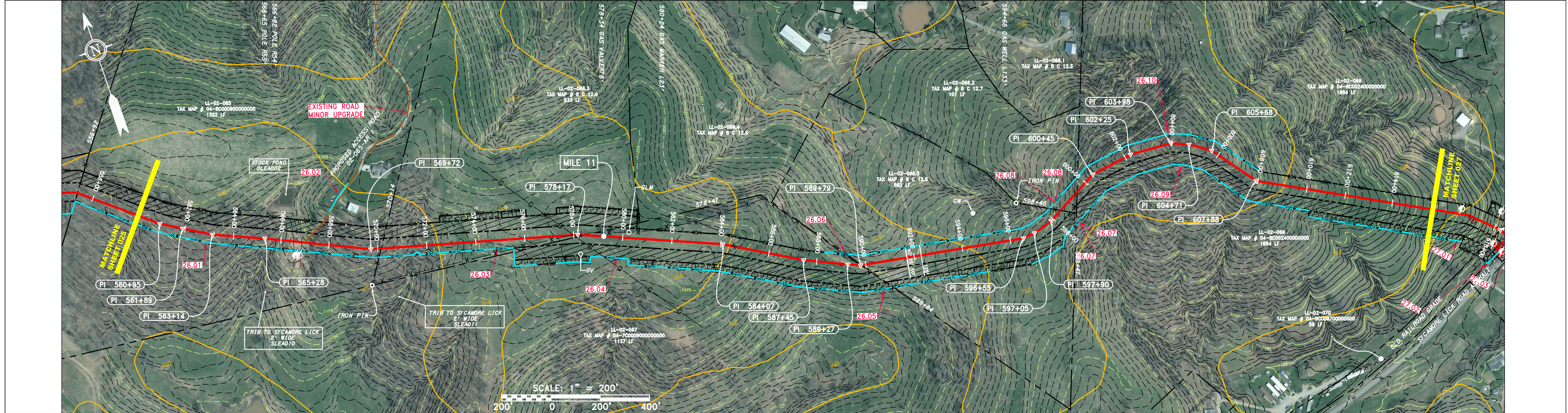
025 OF 344

5/31/2017 10:35 AM

J:\2665 -GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (26).DWG

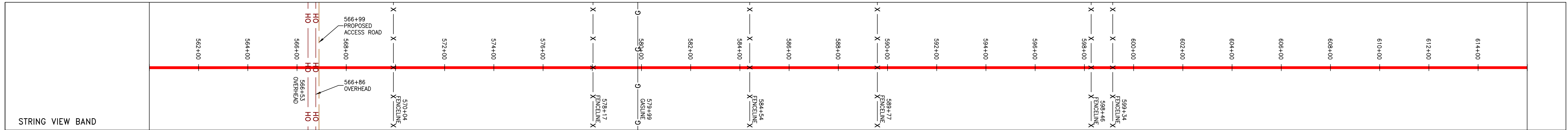


PROPERTY OWNERSHIP	562+00	570+14	578+47	589+44	597+90	607+88	614+00
TAX MAP # 04-8000900000000000 1322 LF	LL-02-068.3 TAX MAP # 8 C 12.4 833 LF	LL-02-067 TAX MAP # 8 C 12.6 1137 LF	LL-02-066.5 TAX MAP # 8 C 12.8 862 LF	LL-02-066.2 TAX MAP # 8 C 12.7 101 LF	LL-02-069 TAX MAP # 04-8002400000000000 1884 LF		



PIPE SPECIFICATION

42" AP-1 PIPELINE	111.03	30-58Z
-------------------	--------	--------



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	LIMIT OF DISTURBANCE
— W —	UNDERGROUND ELECTRIC	— W —	WATER LINE	[Dotted Box]	AREA OF NO DISTURBANCE	[Hatched Box]	PROPOSED TEMPORARY R.O.W.	[Red Triangle]	TEMPORARY WATERBAR/PLUG	[Blue Line]	BSRF	BELTED SILT RETENTION FENCE (BSRF)
— G —	EXISTING GAS PIPELINE	— W —	SANITARY SEWER	[Green Box]	WETLAND	[Hatched Box]	UTILITY POLE	[Red Triangle]	TRENCH BREAKER/PLUG BLEEDER DRAIN AND OUTLET	[Blue Line]	SSF	SUPER SILT FENCE
— OH —	OVERHEAD UTILITY LINES	— W —	EDGE OF GRAVEL	[Green 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]	111.03	COMPOST FILTER SOCK IDENTIFICATION
— A —	ACCESS ROAD	— W —	PROPOSED PERMANENT EASEMENT					[Red Triangle]	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	[Blue Line]	30-58Z	SEDIMENT BARRIER
— G —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	— W —	PROPOSED PERMANENT R.O.W.					[Red Triangle]	SEEP	[Blue Line]	30-58Z	ORANGE SAFETY FENCE
		— W —						[Red Triangle]	CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED	[Blue Line]	30-58Z	ROADSIDE DITCH
		— W —						[Red Triangle]	CULVERT WATERBAR	[Blue Line]	30-58Z	SOIL TYPE
		— W —						[Red Triangle]		[Blue Line]	30-58Z	TYPICAL BIC SLOPE CATEGORY
		— W —						[Red Triangle]		[Blue Line]	30-58Z	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 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.

© 2017 GAI Consultants, Inc.

REVISIONS

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

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

CONSTRUCTION ALIGNMENT STA 560+00 TO 616+00
 LEWIS COUNTY, WEST VIRGINIA

SCALE: AS SHOWN
 DATE: 5/31/17
 DRAWN: GOS
 CHECKED: DLH
 APPROVED: NET

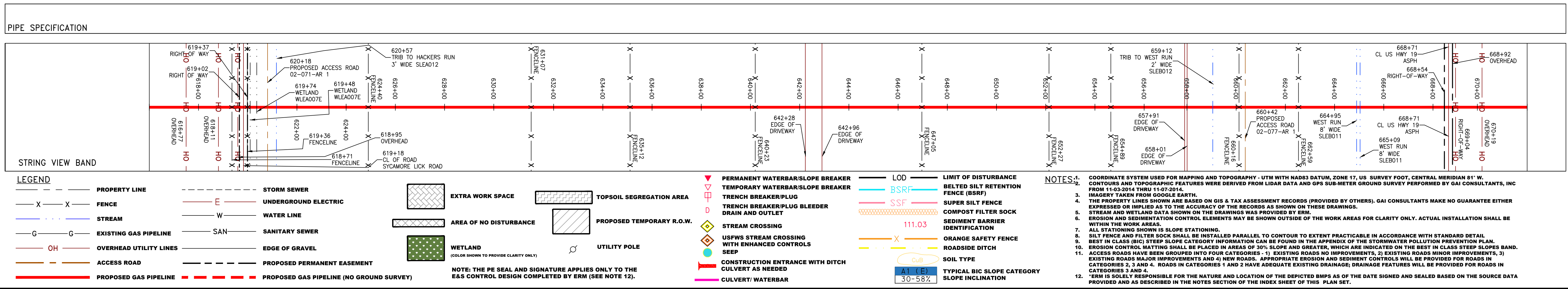
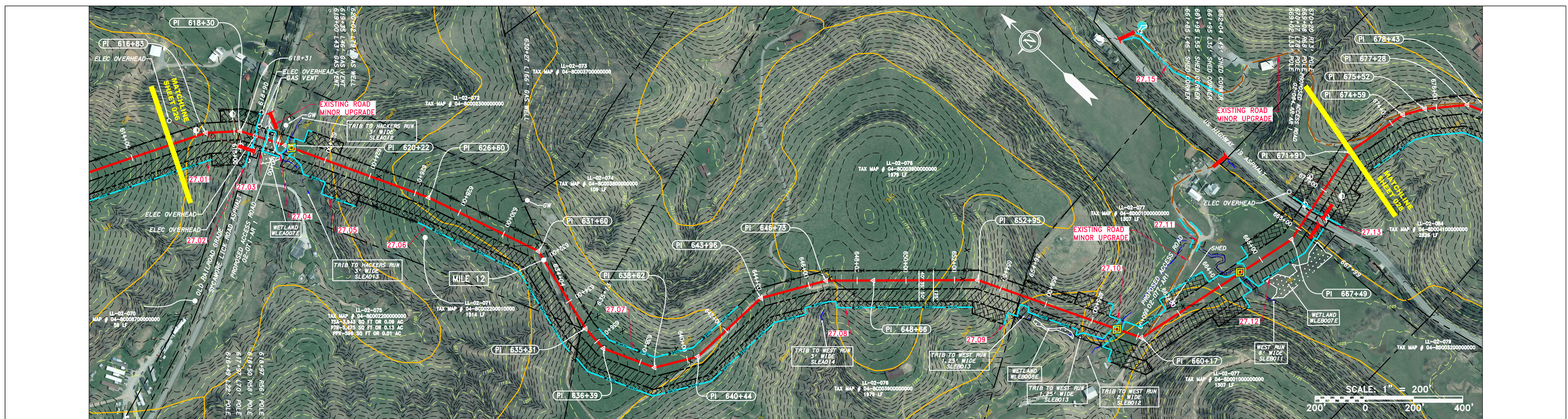
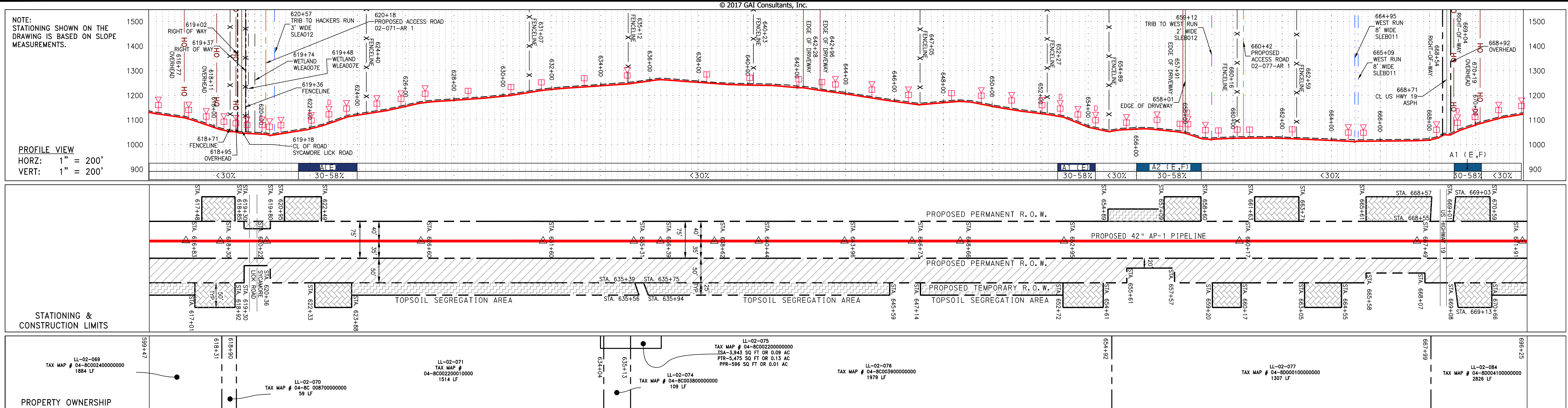
gai consultants - NC, inc.
 4198 COX ROAD
 SUITE 114
 GLEN ALLEN, VA 23060
 804-270-9357
 N.C. COL #F-0269

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 E026
 026 OF 344

5/31/2017 10:40 AM

J:\2665 -GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (27).DWG



REVISIONS		DESCRIPTION
NO.	DATE	CHKD. APPD.

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

CONSTRUCTION ALIGNMENT STA 616+00 TO 672+00
 LEWIS COUNTY, WEST VIRGINIA

SCALE: AS SHOWN
 DATE: 5/31/17
 DRAWN: GOS
 CHECKED: DLH
 APPROVED: NET

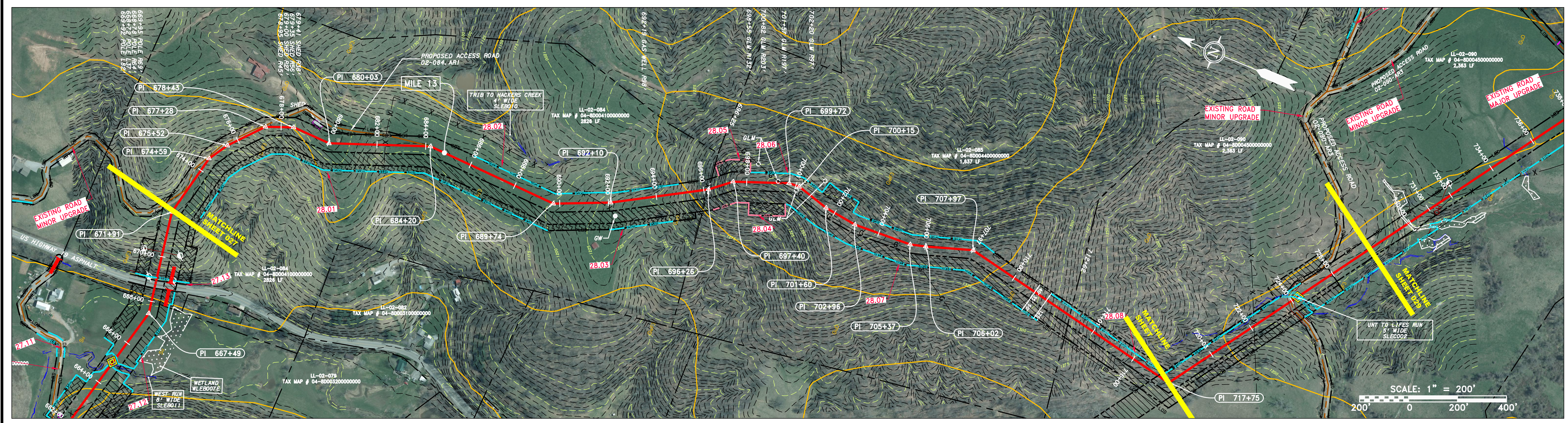
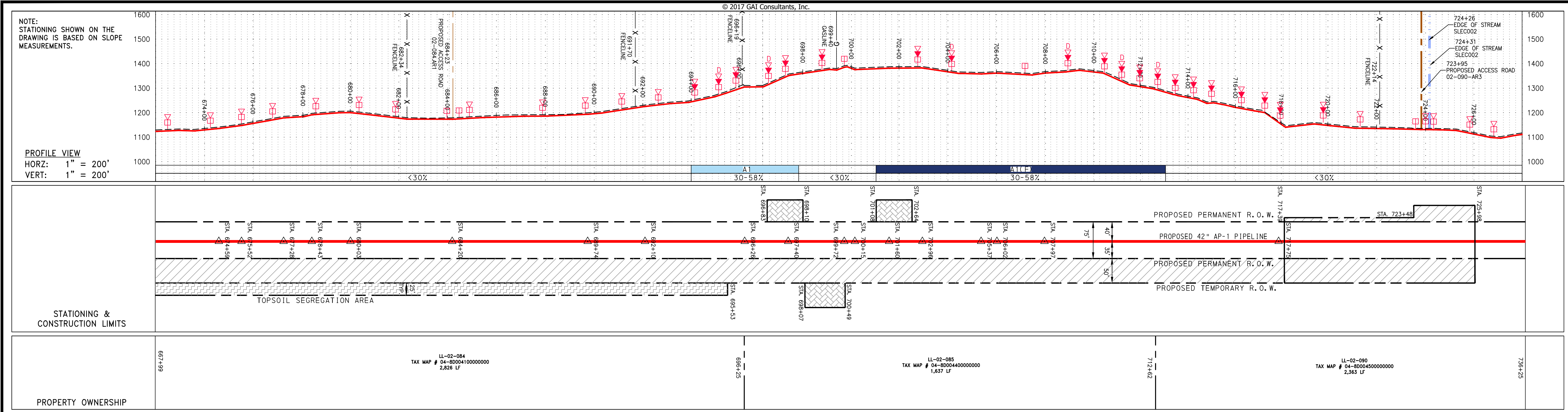
gai consultants - NC, inc.
 4198 COX ROAD
 SUITE 114
 GLEN ALLEN, VA 23060
 804-270-9357
 N.C. COL #F-0269

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

PROJECT NO./DASH NO.	140468
TASK NO./SUB TASK NO.	005/00
GROUP ID	D
DRAWING NO.	E027
027 OF 344	

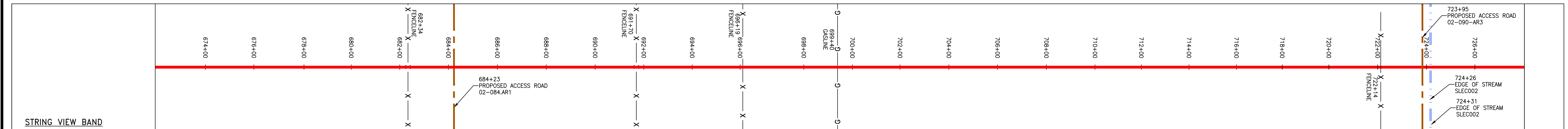
5/31/2017 10:59 AM

J:\2665 - GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (28).DWG



PIPE SPECIFICATION

42" AP-1 PIPELINE	AP-1
-------------------	------



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 TRENCH BREAKER/PLUG BLEEDER DRAIN AND OUTLET STREAM CROSSING USFWS STREAM CROSSING WITH ENHANCED CONTROLS SEEP CONSTRUCTION ENTRANCE WITH DITCH CULVERT/ WATERBAR 	<ul style="list-style-type: none"> LOD BSRF SSF 111.03 ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIC SLOPE CATEGORY SLOPE INCLINE 	<ul style="list-style-type: none"> LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF) SUPER SILT FENCE COMPOST FILTER SOCK SEDIMENT BARRIER IDENTIFICATION ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIC SLOPE CATEGORY SLOPE INCLINE
---	--	--	---	--	--

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.
- 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.
- 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.

REVISIONS	
NO.	DATE
DWN.	CHKD.
APPD.	DESCRIPTION

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 672+00 TO 728+00
 LEWIS COUNTY, WEST VIRGINIA

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

SCALE: AS SHOWN
 DATE: 5/31/17
 DRAWN: GOS
 CHECKED: DLH
 APPROVED: NET

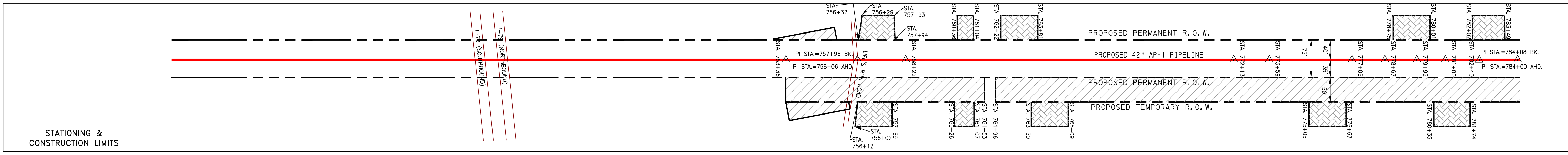
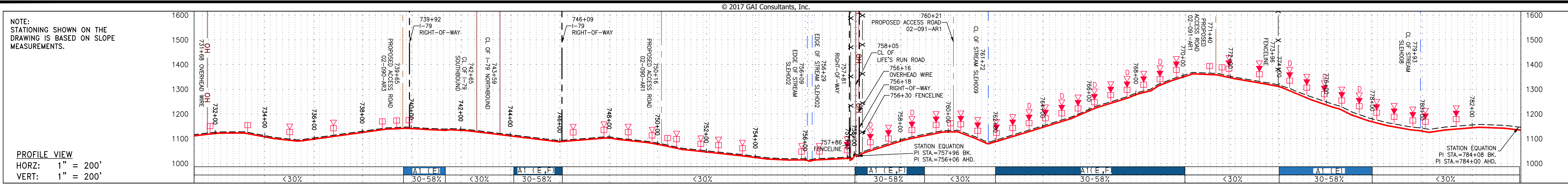
SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

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

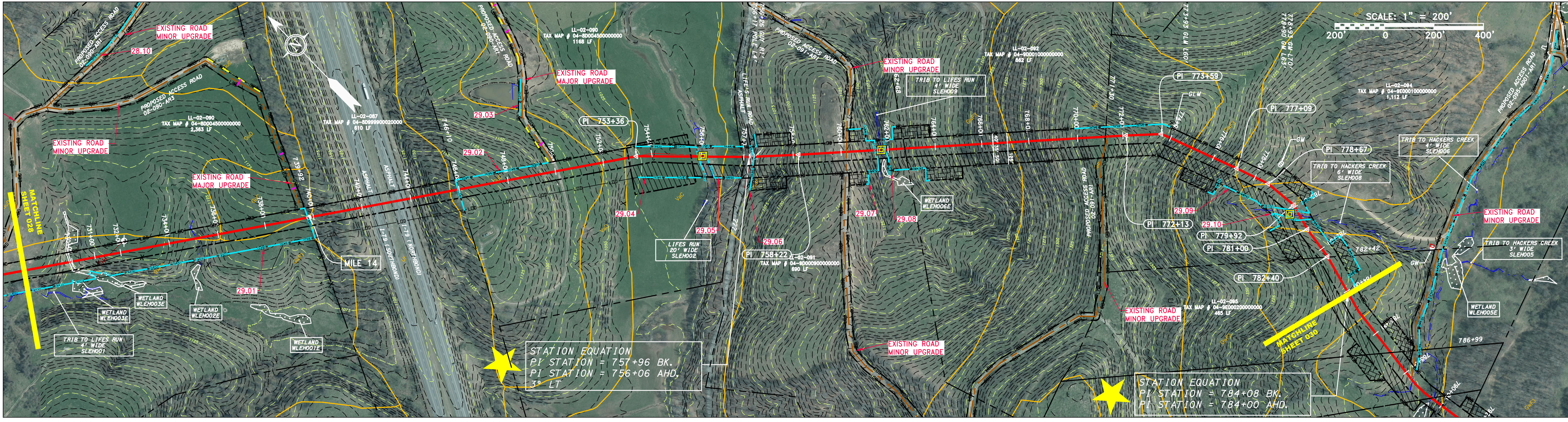
PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E028
028 OF 344	

5/31/2017 12:57 PM

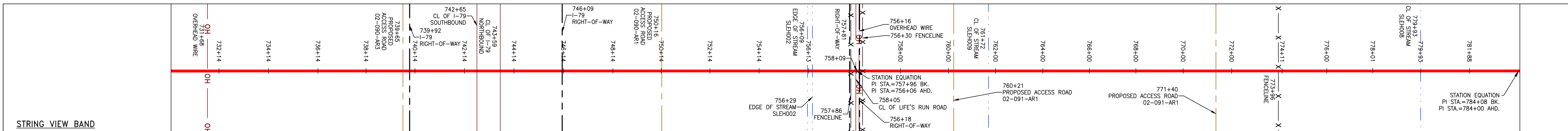
J:\2665 - GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (29).DWG



PROPERTY OWNERSHIP	TAX MAP #	LL-02-090	TAX MAP #	LL-02-087	TAX MAP #	LL-02-090	TAX MAP #	LL-02-091	TAX MAP #	LL-02-092	TAX MAP #	LL-02-094	TAX MAP #	LL-02-095
731+00	04-80004500000000	2547 LF	04-80999900000000	617 LF	04-80004500000000	1168 LF	04-80009000000000	500 LF	04-80010000000000	862 LF	04-80010000000000	1,112 LF	04-80020000000000	457 LF



PIPE SPECIFICATION



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	NOTES: 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		LOD
	ACCESS ROAD		PROPOSED PERMANENT EASEMENT		TEMPORARY WATERBAR/SLOPE BREAKER		BELTED SILT RETENTION FENCE (BSRF)
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		PROPOSED GAS PIPELINE		TRENCH BREAKER/PLUG		SUPER SILT FENCE
					STREAM CROSSING		SEDIMENT FILTER SOCK
					USFS MAJOR CROSSING		ORANGE SAFETY FENCE
					CONSTRUCTION ENTRANCE WITH DITCH		ROADSIDE DITCH
					CULVERT/WATERBAR		SOIL TYPE
							TYPICAL BIC SLOPE CATEGORY
							SLOPE INCLINE

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.
- 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 MINOR IMPROVEMENTS, 2) EXISTING ROADS MAJOR 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.

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

REVISIONS

ERM

JAMES A. HEMME
REGISTERED PROFESSIONAL ENGINEER
12195
03/17
STATE OF WEST VIRGINIA

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

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 728+00 TO 784+00
LEWIS COUNTY, WEST VIRGINIA

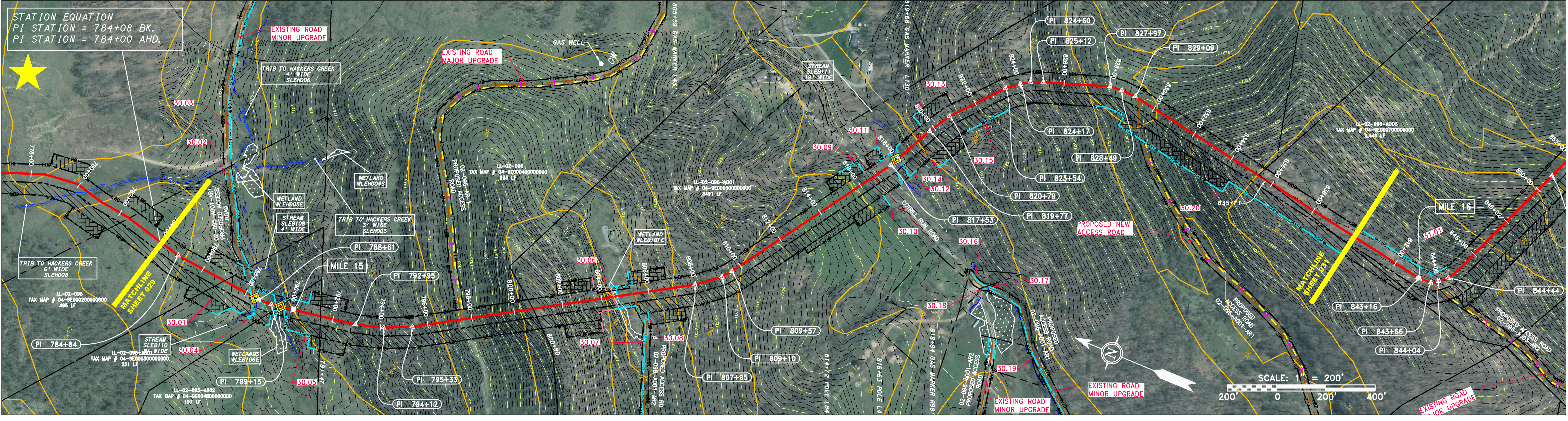
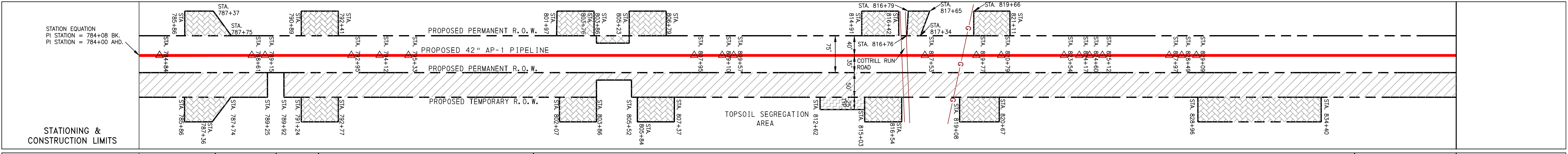
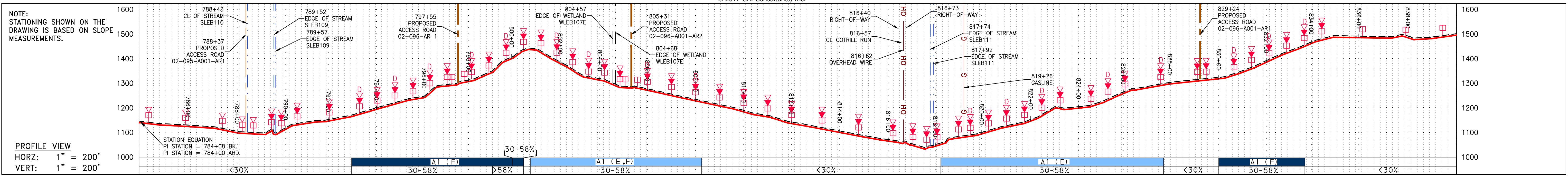
SCALE: AS SHOWN
DATE: 5/31/17
DRAWN: GOS
CHECKED: DLH
APPROVED: NET

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

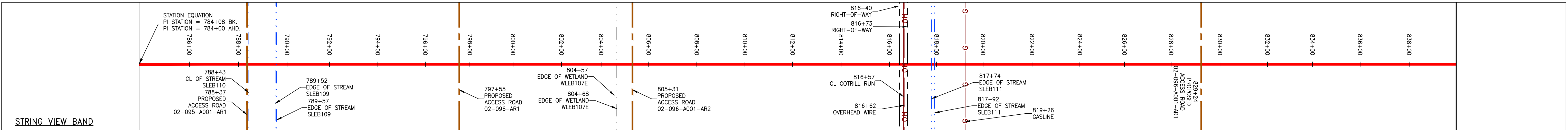
mbe monahon basin engineers
300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

PROJECT NO./DASH NO. 140468
TASK NO. SUB TASK NO. 005 00
GROUP ID DRAWING NO. D E029
029 OF 344

5/31/2017 11:16 PM



PIPE SPECIFICATION table with columns for stationing and pipe details.



LEGEND and NOTES sections. Legend includes symbols for property lines, streams, wetlands, and various engineering features. Notes provide technical details and disclaimers.

REVISIONS table with columns for NO., DATE, CHKD., and DESCRIPTION.

Professional Engineer seal for James A. Hammer, State of Virginia, License No. 12195. Includes company logo for Atlantic Coast Pipeline, LLC.

Scale, Date, Drawn, Checked, and Approved information.

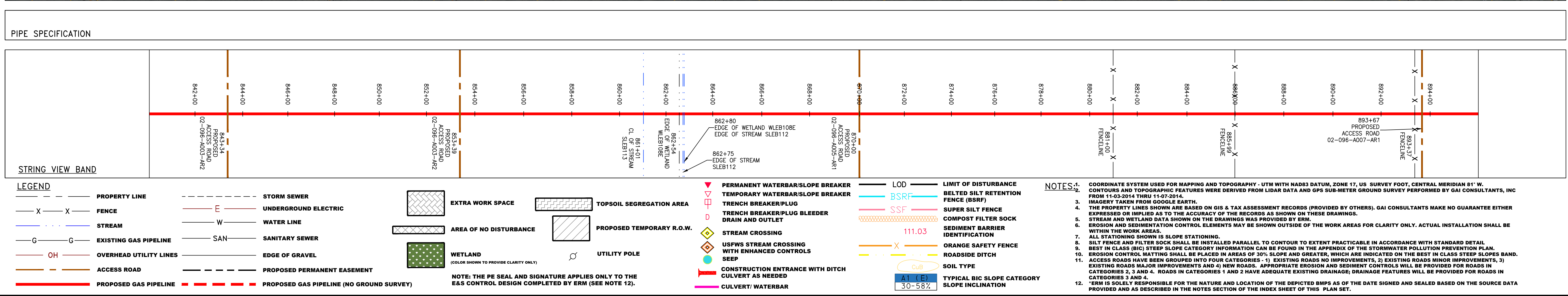
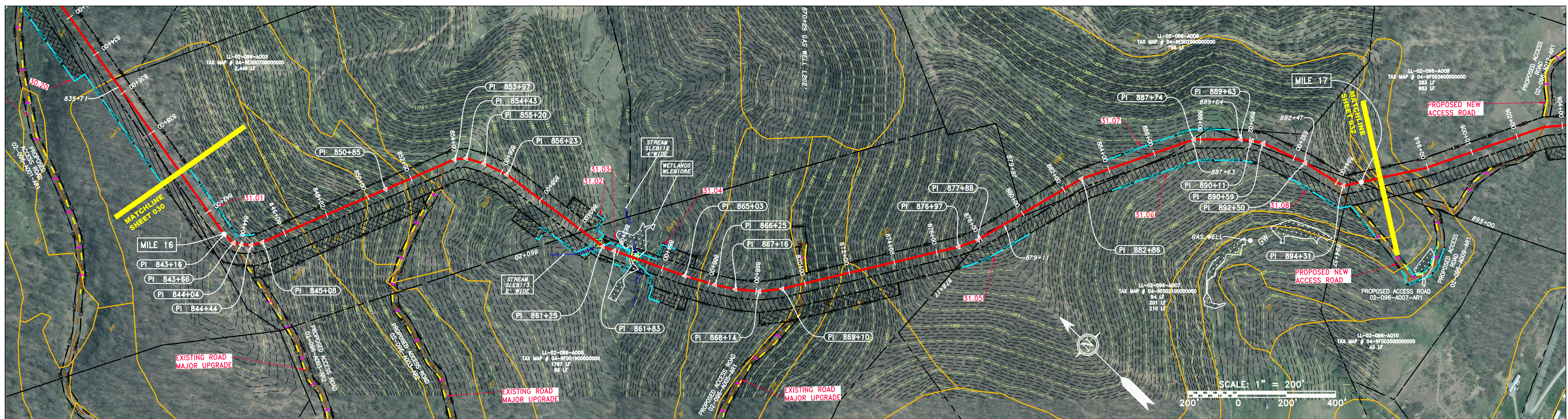
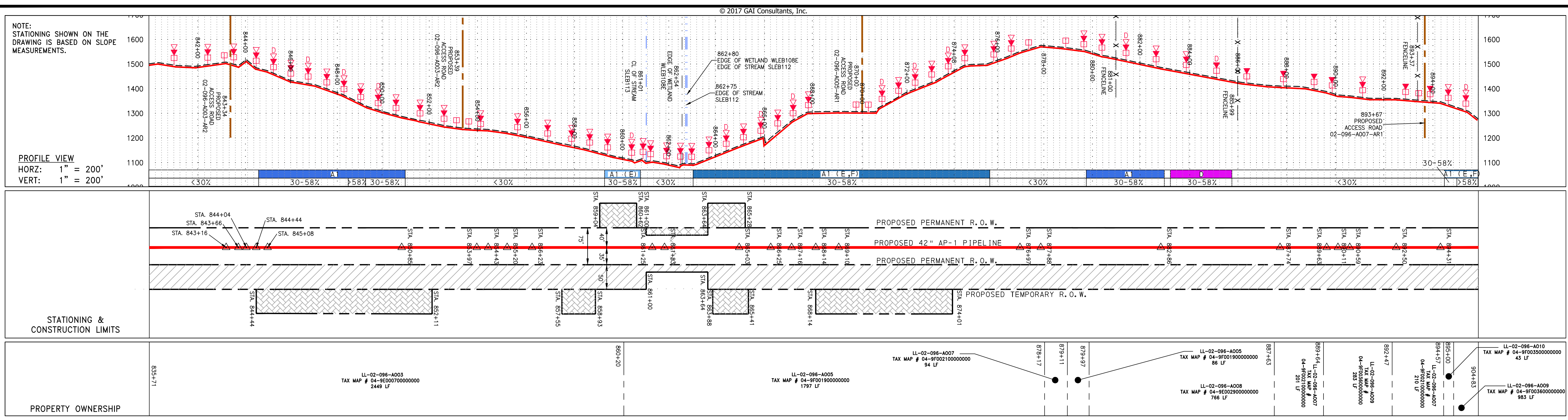
Logo for gai consultants.

Logo for mbe monaloh basin engineers.

PROJECT NO./DASH NO. 140468, TASK NO. 005, SUB TASK NO. 00, GROUP ID D, DRAWING NO. E030, 030 OF 344.

J:\2665 -GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (30).DWG

J:\2665 -GAI\WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1)\ALIGNMENT SHEETS\2665-2 PLAN SHEETS (31).DWG



© 2017 GAI Consultants, Inc.

REVISIONS

NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION

STATE OF VIRGINIA
 PROFESSIONAL ENGINEER
 JAMES A. HEMME
 12195
 02-096-007-AR1

ERM

CONSTRUCTION ALIGNMENT STA 840+00 TO 896+00
 LEWIS COUNTY, WEST VIRGINIA

ATLANTIC COAST PIPELINE, LLC
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN
 DATE: 5/31/17
 DRAWN: GOS
 CHECKED: DLH
 APPROVED: NET

PROJECT NO./DASH NO. 140468
 TASK NO. SUB TASK NO. 005 00
 GROUP ID DRAWING NO. D E031
 031 OF 344

5/31/2017 1:26 PM