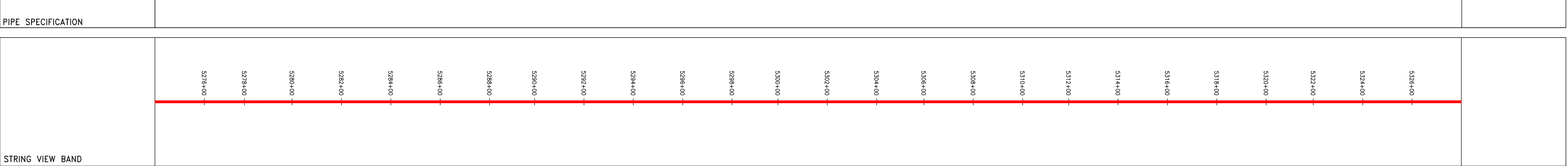
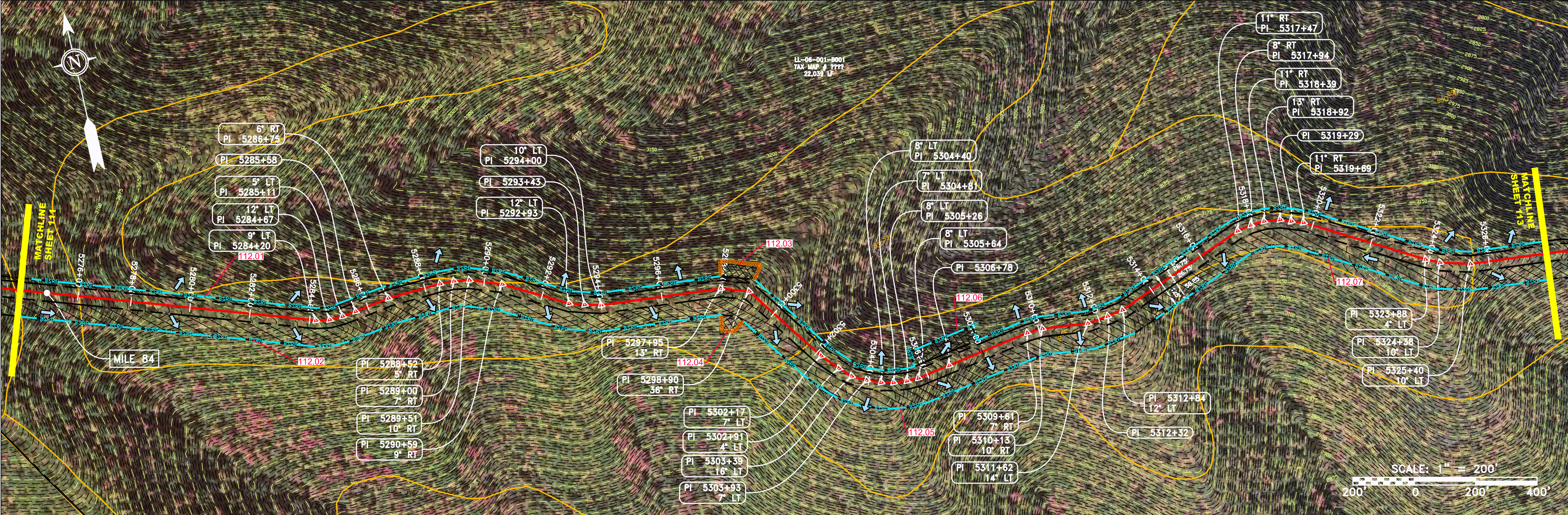


Station	Property Ownership
5274+00	LL-06-001-8001 TAX MAP # ????
5326+00	22.039 LT



LEGEND

- PROPERTY LINE
- FENCE
- STREAM
- EXISTING GAS PIPELINE
- OVERHEAD UTILITY LINES
- ACCESS ROAD
- PROPOSED GAS PIPELINE
- PROPOSED GAS PIPELINE (NO GROUND SURVEY)
- STORM SEWER
- UNDERGROUND ELECTRIC
- WATER LINE
- SANITARY SEWER
- EDGE OF GRAVEL
- PROPOSED PERMANENT EASEMENT
- PROPOSED PERMANENT R.O.W.
- WETLAND
- UTILITY POLE
- EXTRA WORK SPACE
- AREA OF NO DISTURBANCE
- TOPSOIL SEGREGATION AREA
- UTILITY POLE
- PERMANENT WATERBAR/SLOPE BREAKER
- TEMPORARY WATERBAR/SLOPE BREAKER
- TRENCH BREAKER/PLUG
- STREAM CROSSING
- USPWS STREAM CROSSING WITH ENHANCED CONTROLS
- SEEP
- SLOPE DIRECTION
- CONSTRUCTION ENTRANCE WITH DITCH
- CULVERT AS NEEDED
- CULVERT/WATERBAR
- LOO
- BELTED SILT RETENTION FENCE (BSRF)
- COMPOST FILTER SOCK
- SEDIMENT BARRIER IDENTIFICATION
- CULVERT 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.
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- 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.
- BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
- EROSION CONTROL MATINGS SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.
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NO.	DATE	CHKD.	APPROD.	DESCRIPTION

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

CONSTRUCTION ALIGNMENT STA. 5274+00 TO 5328+00
 HIGHLAND COUNTY, VIRGINIA

DANIEL R. GOLDSTEIN
 Lic. No. 047436

ERM

SCALE:	AS SHOWN
DATE:	6/20/17
DRAWN:	JMS
CHECKED:	DLH
APPROVED:	NET

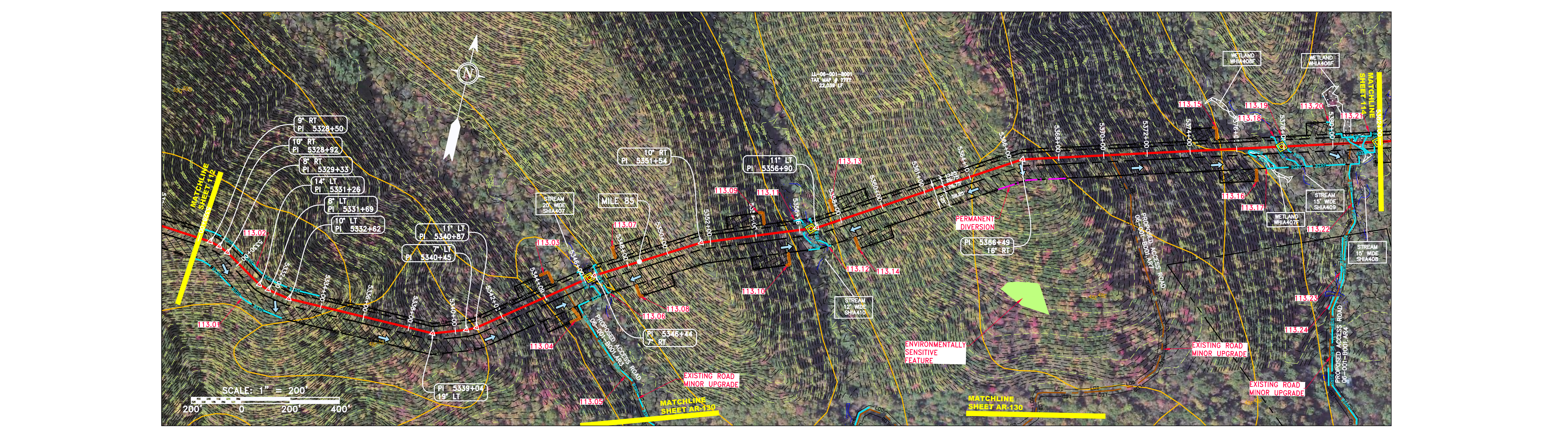
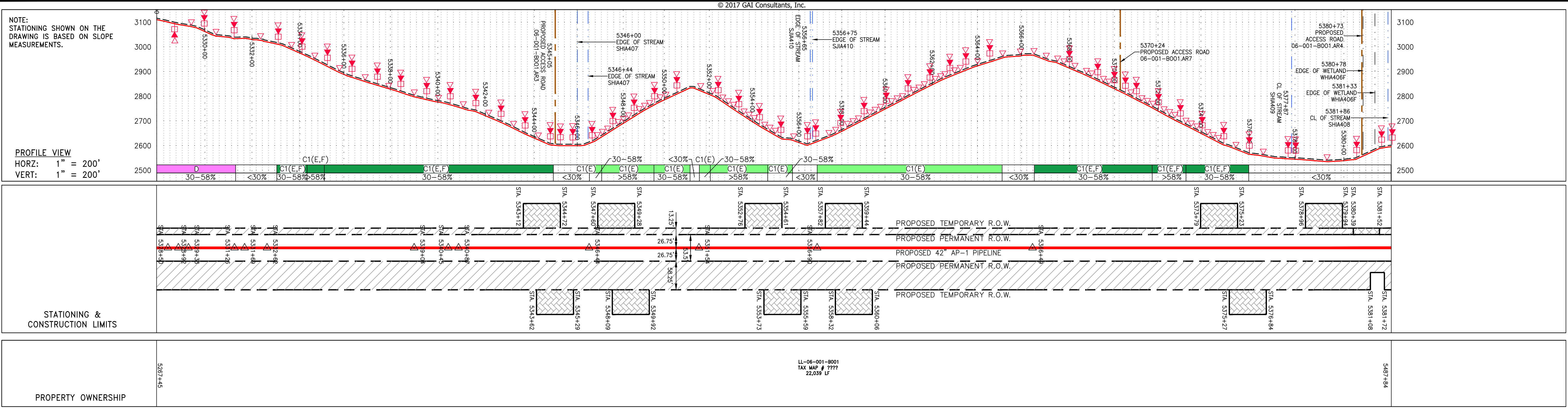
gai consultants

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

mbe monaloh basin engineers

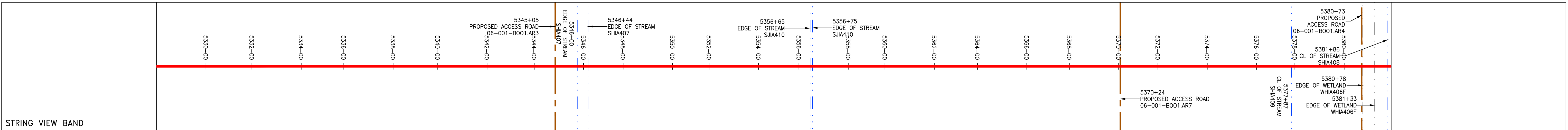
300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO.	140468	
TASK NO.	005	SUB TASK NO. 00
GROUP ID	D	DRAWING NO. E112
	112	OF 344



PIPE SPECIFICATION

12" DIA. 15' WIDE SH1A407	12" DIA. 15' WIDE SH1A409	12" DIA. 15' WIDE SH1A408	12" DIA. 15' WIDE SH1A406F	12" DIA. 15' WIDE SH1A407E	12" DIA. 15' WIDE SH1A406F	12" DIA. 15' WIDE SH1A407E	12" DIA. 15' WIDE SH1A408	12" DIA. 15' WIDE SH1A409	12" DIA. 15' WIDE SH1A406F	12" DIA. 15' WIDE SH1A407E	12" DIA. 15' WIDE SH1A408	12" DIA. 15' WIDE SH1A409
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LEGEND

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

NOTES:

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- 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.
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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. 5328+00 TO 5382+00
 HIGHLAND COUNTY, VIRGINIA

SCALE: AS SHOWN
 DATE: 6/20/17
 DRAWN: NSD
 CHECKED: DLH
 APPROVED: NET

gai consultants

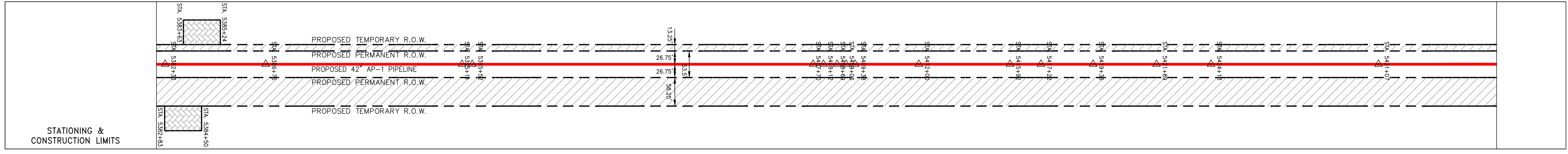
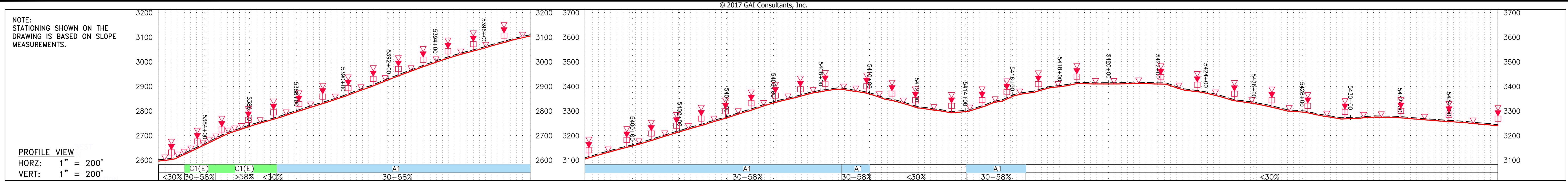
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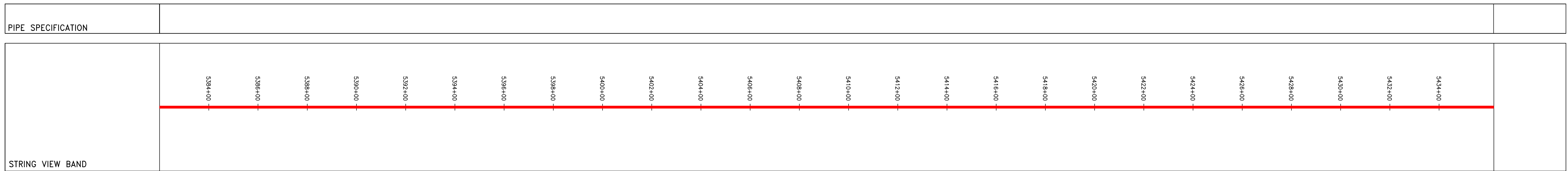
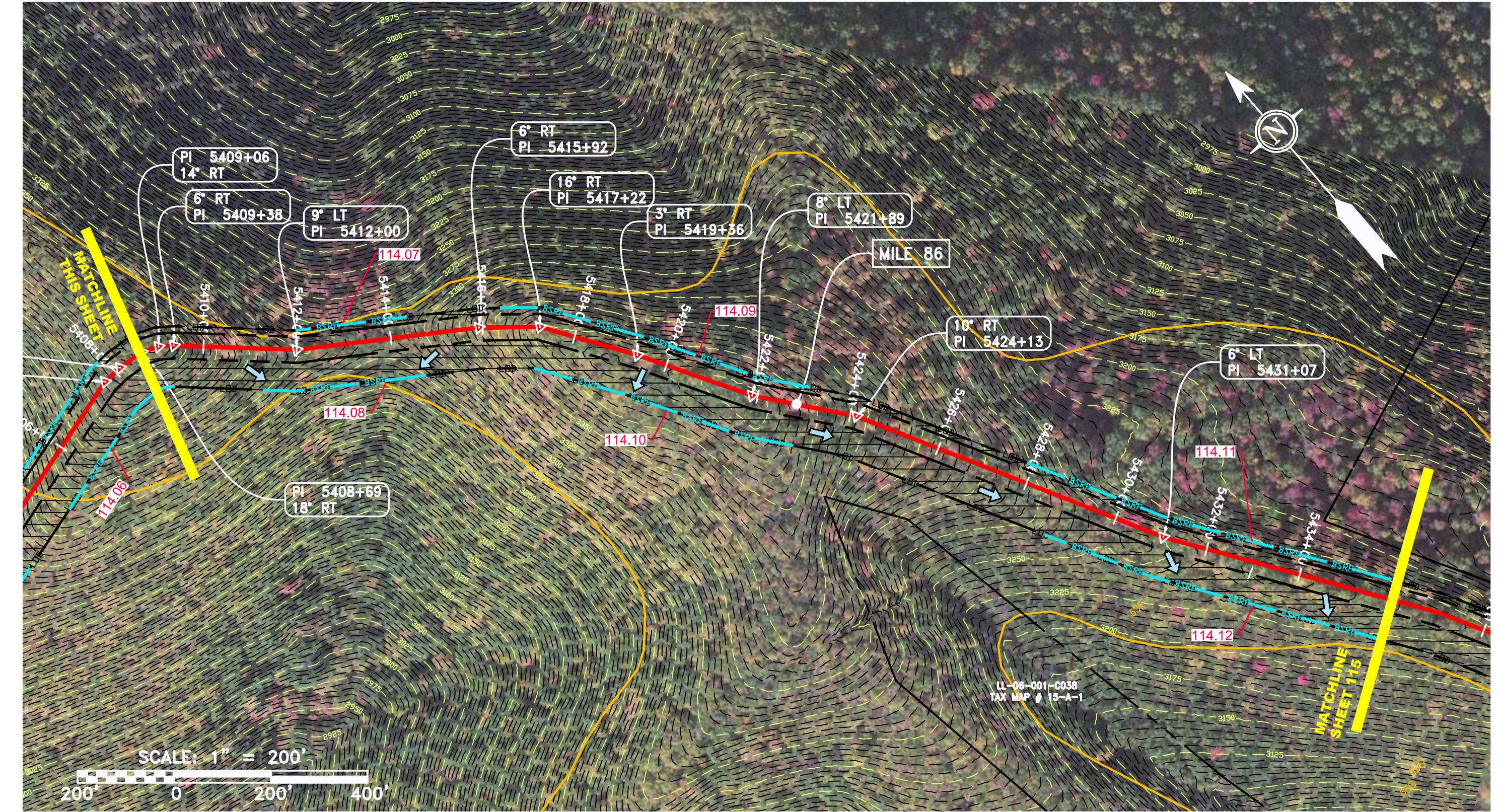
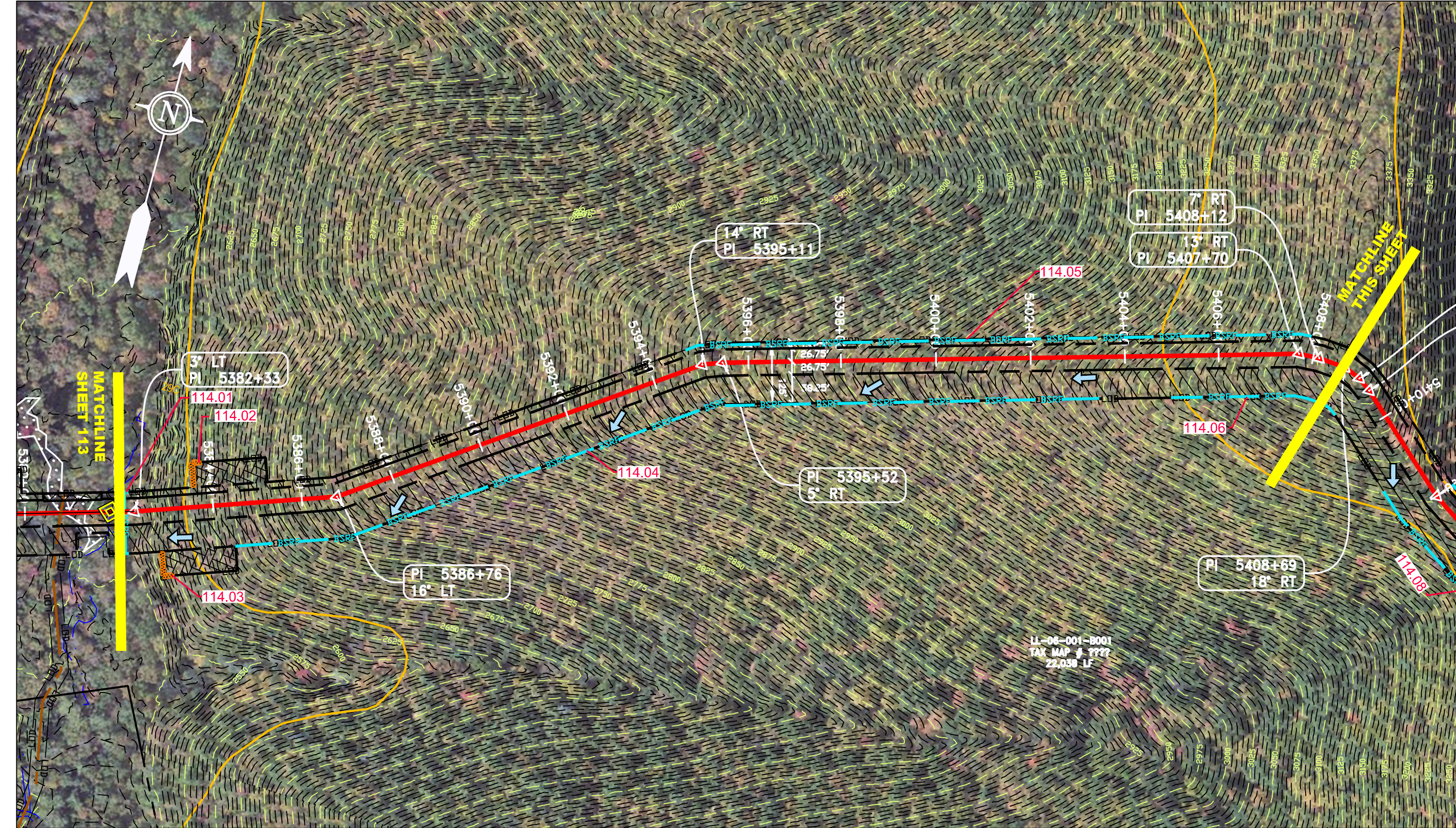
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 GROUP ID D DRAWING NO. E113
 113 OF 344

GAI CAD FILE NO. 2665 - GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1) 1 - REROUTE 1A ALIGNMENT SHEETS\2665-02_SPREAD_1A_SHEET_114.DWG



PROPERTY OWNERSHIP

LL-06-001-0001
 TAX MAP # ????



<p>LEGEND</p> <ul style="list-style-type: none"> --- PROPERTY LINE -X-X- FENCE -G-G- EXISTING GAS PIPELINE -OH- OVERHEAD UTILITY LINES -A- ACCESS ROAD -E- STORM SEWER -W- UNDERGROUND ELECTRIC -W- WATER LINE -G- SANITARY SEWER -E- EDGE OF GRAVEL -E- PROPOSED PERMANENT EASEMENT -E- PROPOSED GAS PIPELINE (NO GROUND SURVEY) EXTRA WORK SPACE AREA OF NO DISTURBANCE WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) TOPSOIL SEGREGATION AREA PROPOSED TEMPORARY R.O.W. UTILITY POLE 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 LOD BSEI 111.03 C 111.001 ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE A1(E) 30-58% TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION 	<p>NOTES:</p> <ol style="list-style-type: none"> 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 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 SHOULD 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 MATINGS SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE 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.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, 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.	APPROV.	DESCRIPTION

CONSTRUCTION ALIGNMENT STA. 5382+00 TO 5436+00
 HIGHLAND COUNTY, VIRGINIA

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

SCALE: AS SHOWN
 DATE: 6/20/17
 DRAWN: JMS
 CHECKED: DLH
 APPROVED: NET

gai consultants

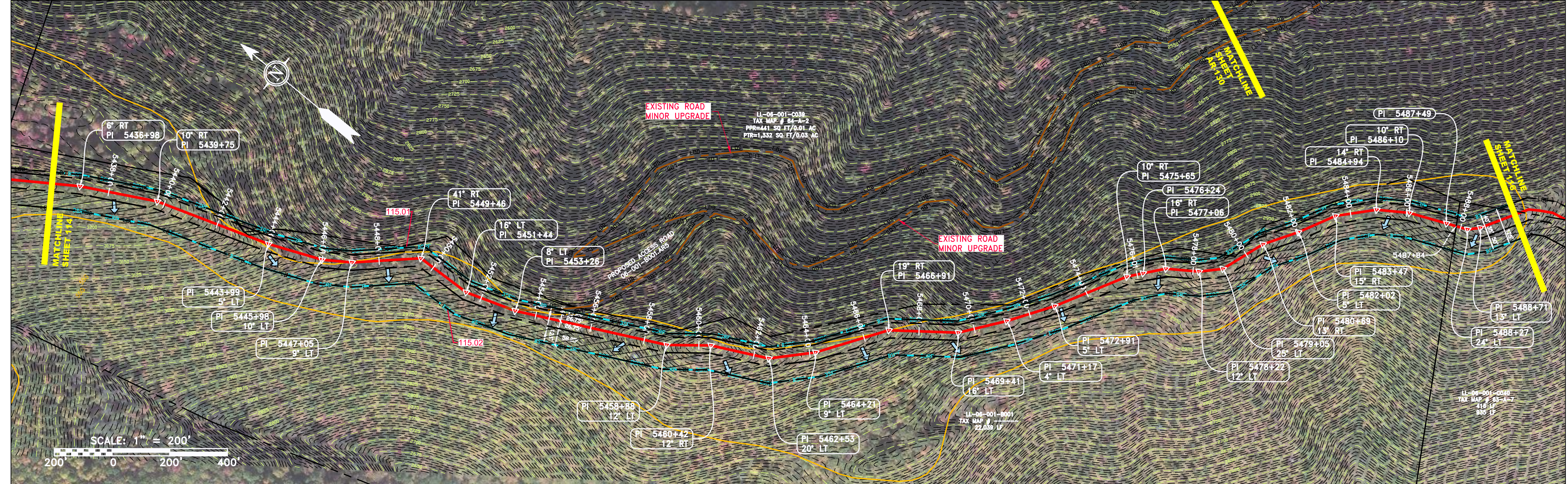
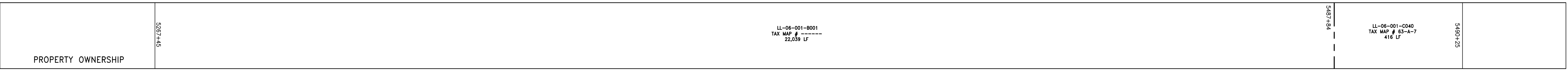
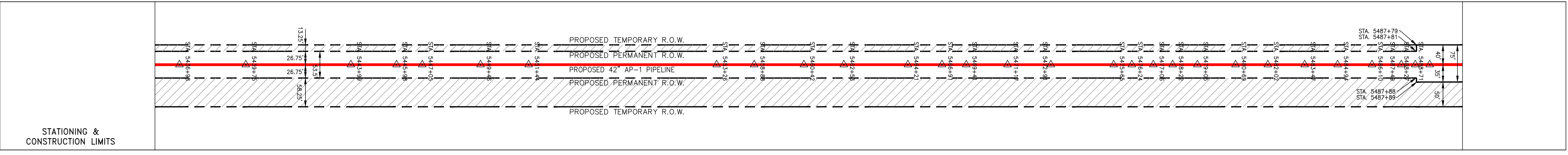
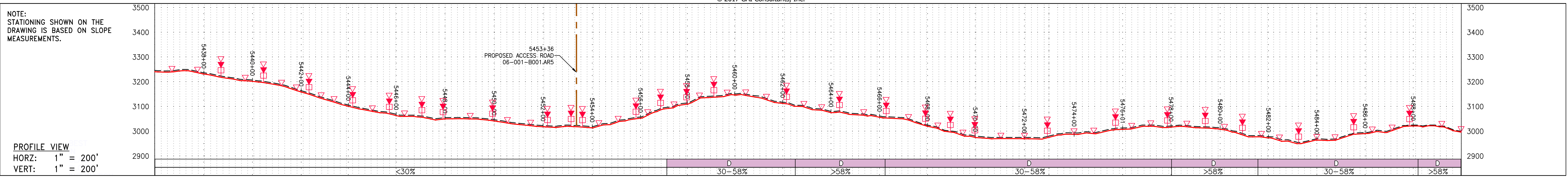
SOUTHPOINT OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-673-3545

PROJECT NO./DASH NO.
 140468

TASK NO. SUB TASK NO.
 005 00

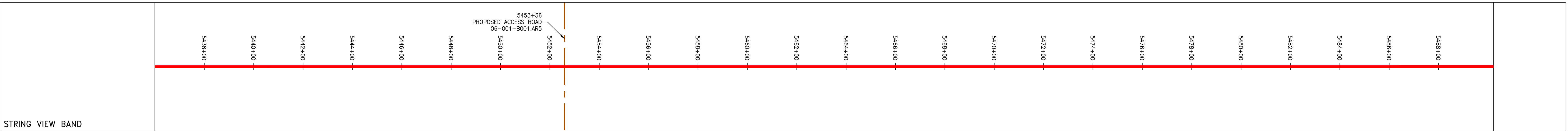
GROUP ID DRAWING NO.
 D E114

114 OF 344



PIPE SPECIFICATION

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LEGEND

--- PROPERTY LINE	--- STORM SEWER	--- EXTRA WORK SPACE	--- PERMANENT WATERBAR/SLOPE BREAKER	--- LIMIT OF DISTURBANCE
-X-X- FENCE	--- UNDERGROUND ELECTRIC	--- AREA OF NO DISTURBANCE	--- TEMPORARY WATERBAR/SLOPE BREAKER	--- BELTED SILT RETENTION FENCE (BSRF)
--- STREAM	--- WATER LINE	--- TOPSOIL SEGREGATION AREA	--- TRENCH BREAKER/PLUG	--- COMPOST FILTER SOCK
--- EXISTING GAS PIPELINE	--- SANITARY SEWER	--- PROPOSED TEMPORARY R.O.W.	--- STREAM CROSSING	--- SEDIMENT BARRIER IDENTIFICATION
--- OH OVERHEAD UTILITY LINES	--- EDGE OF GRAVEL	--- WETLAND	--- USFWS STREAM CROSSING WITH ENHANCED CONTROLS	--- CULVERT IDENTIFICATION
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT	--- UTILITY POLE	--- SEEP	--- ORANGE SAFETY FENCE
--- PROPOSED GAS PIPELINE	--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)		--- SLOPE DIRECTION	--- ROADSIDE DITCH
			--- CONSTRUCTION ENTRANCE WITH DITCH	--- SOIL TYPE
			--- CULVERT AS NEEDED	--- TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION
			--- CULVERT/WATERBAR	

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

NOTES:

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REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

Daniel R. Goldstein
 Daniel R. Goldstein
 Lic. No. 047436

ERM

115 - CONSTRUCTION ALIGNMENT STA. 5436+00 TO 5490+00
 HIGHLAND COUNTY, VIRGINIA

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

SCALE: AS SHOWN
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gai consultants

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PROJECT NO./DASH NO.
 140468

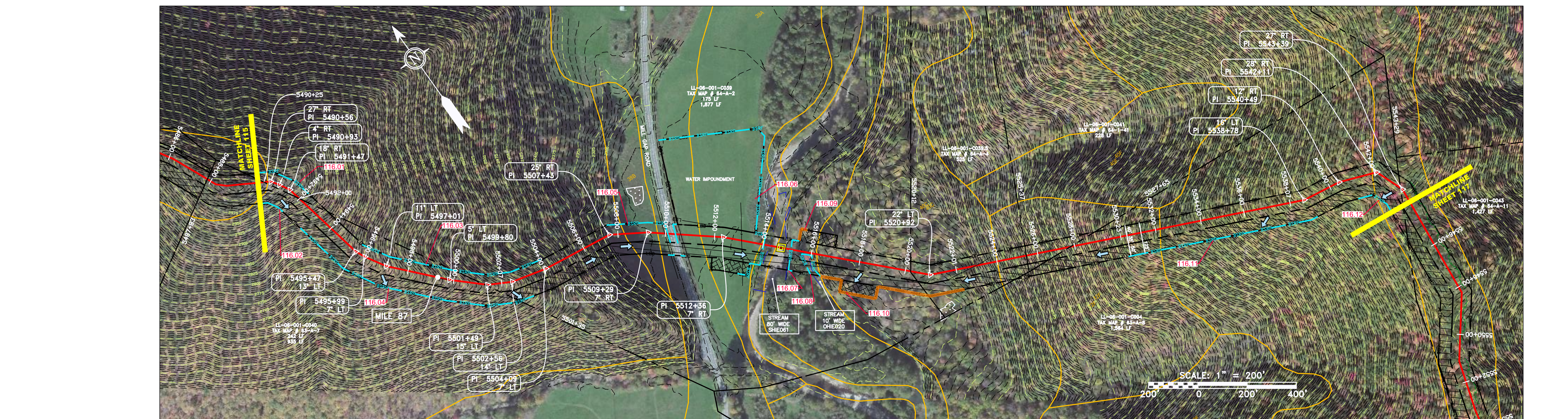
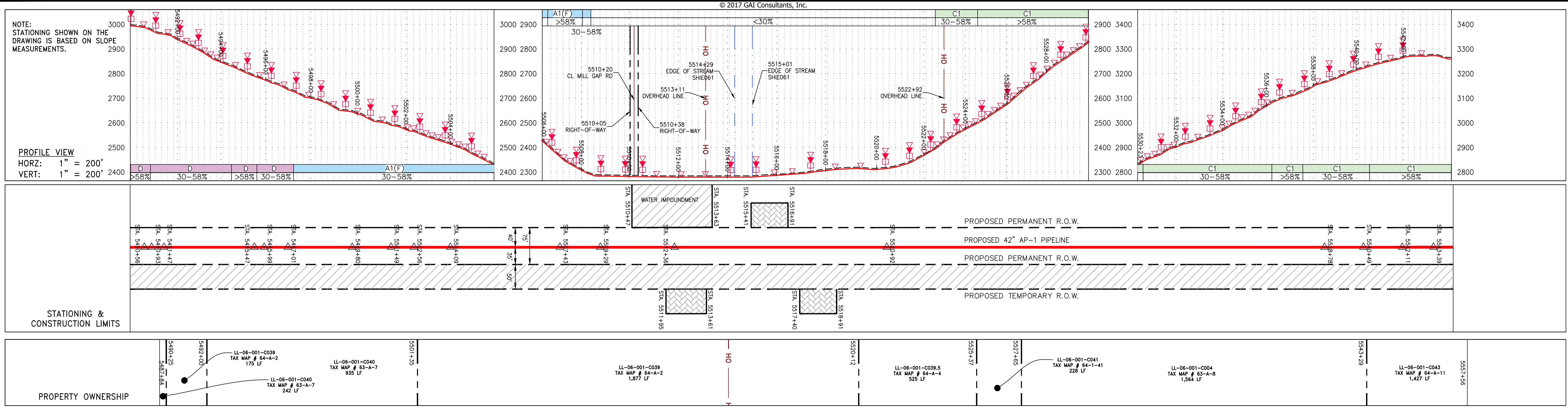
TASK NO. SUB TASK NO.
 005 00

GROUP ID DRAWING NO.
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115 OF 344

6/20/2017 9:25 AM

GAI CAD FILE NO. 2665 - GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1) 1 - REROUTE 1A ALIGNMENT SHEETS\2665-02_SPREAD_1A_SHEET_116.DWG



PIPE SPECIFICATION	
42" AP-1 PIPELINE	

STRING VIEW BAND	
5490+00	5525+00

LEGEND	NOTES
<ul style="list-style-type: none"> 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 AREA OF NO DISTURBANCE WETLAND TOPSOIL SEGREGATION AREA PROPOSED TEMPORARY R.O.W. UTILITY POLE PERMANENT WATERBAR/SLOPE BREAKER TEMPORARY WATERBAR/SLOPE BREAKER TRENCH BREAKER/PLUG STREAM CROSSING USPWS STREAM CROSSING WITH ENHANCED CONTROLS SEEP SLOPE DIRECTION CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED CULVERT/WATERBAR L00 111.03 C 111.001 ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE A1(F) 30-58% LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF) COMPOST FILTER SOCK SEDIMENT BARRIER IDENTIFICATION CULVERT IDENTIFICATION CULVERT SOIL TYPE A1(F) 30-58% 	<p>NOTES:</p> <ol style="list-style-type: none"> COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. 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. IMAGERY TAKEN FROM GOOGLE EARTH. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. ALL STATIONING SHOWN IS SLOPE STATIONING. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS SLOPE BAND. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES: 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR 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.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.5.5. 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.

REVISIONS	
NO.	DATE
CHKD.	DATE
APPROV.	DATE
DESCRIPTION	

DANIEL R. GOLDSTEIN
 Lic. No. 047436

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

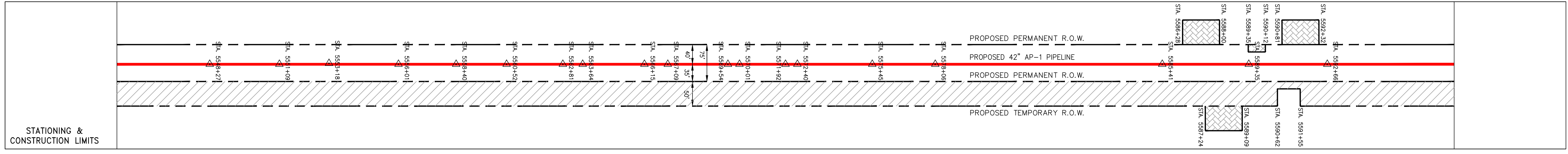
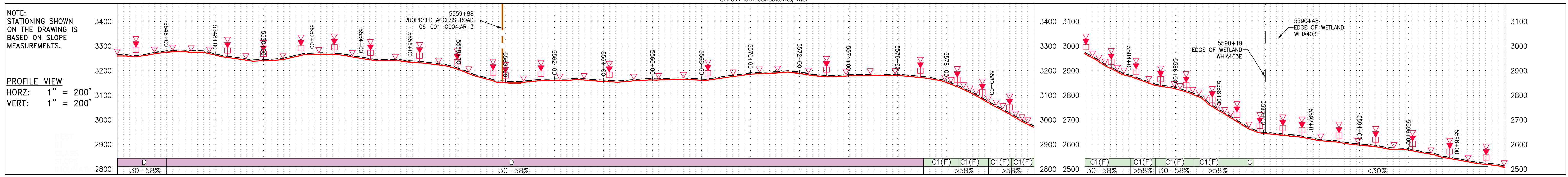
CONSTRUCTION ALIGNMENT STA. 5490+00 TO 5544+00
 HIGHLAND COUNTY, VIRGINIA

SCALE: AS SHOWN
 DATE: 6/21/17
 DRAWN: GOS
 CHECKED: DLH
 APPROVED: NET

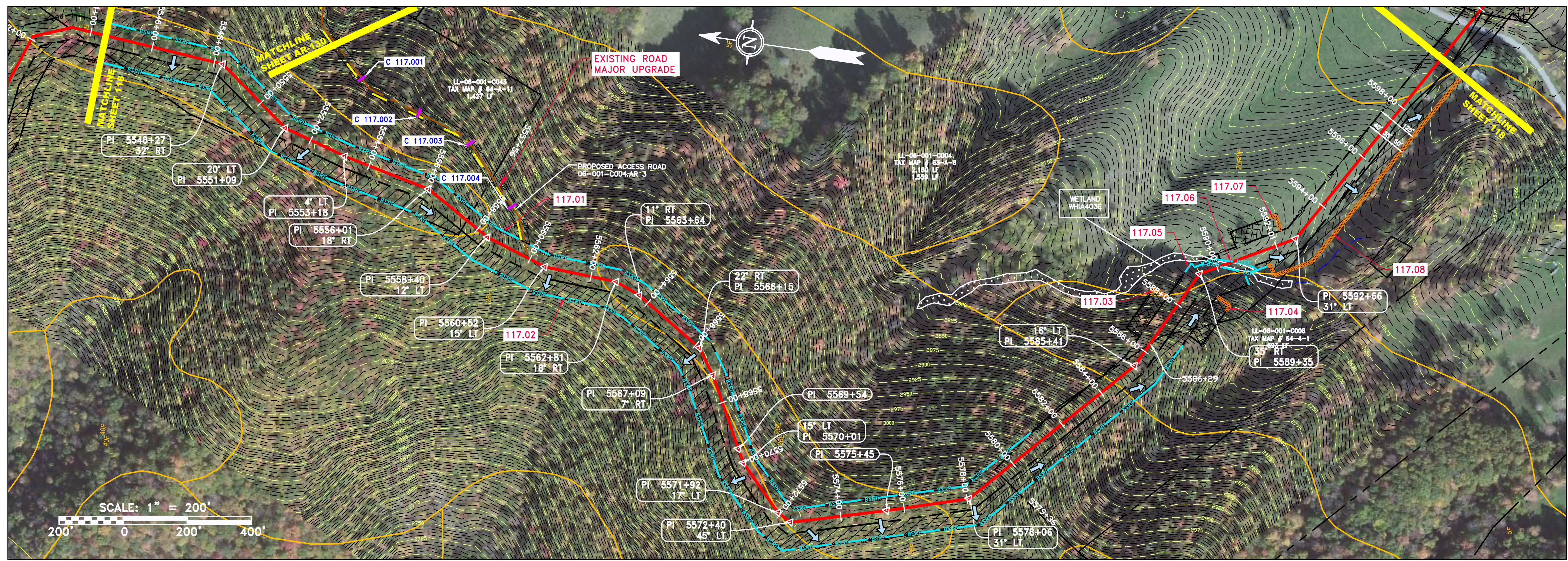
SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-273-3545

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

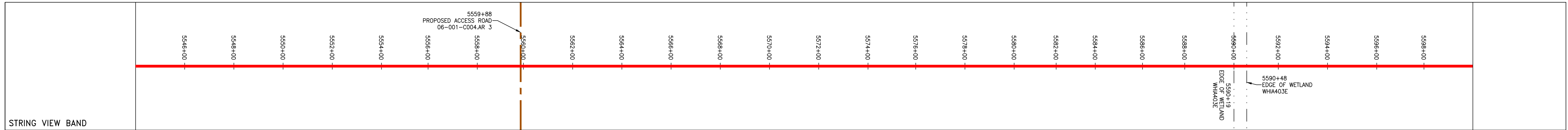
PROJECT NO./DASH NO.	140468
TASK NO.	005
SUB TASK NO.	00
GROUP ID	D
DRAWING NO.	E116
116 OF 344	



PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
5543+29	5543+29
LL-06-001-C045 TAX MAP # 64-A-11 1,427 LF	5551+09
5557+46	5557+46
LL-06-001-C004 TAX MAP # 63-A-8 2,180 LF	5573+36
5587+67	5587+67
LL-06-001-C008 TAX MAP # 64-4-1 693 LF	5592+00
5598+10	5598+10
LL-06-001-C004 TAX MAP # 63-A-8 1,559 LF	561+06



PIPE SPECIFICATION



LEGEND

--- PROPERTY LINE	--- STORM SEWER	--- EXTRA WORK SPACE	--- LIMIT OF DISTURBANCE
-X-X- FENCE	--- UNDERGROUND ELECTRIC	--- TOPSOIL SEGREGATION AREA	--- BELTED SILT RETENTION FENCE (BSRF)
--- STREAM	--- WATER LINE	--- AREA OF NO DISTURBANCE	--- COMPOST FILTER SOCK
-G-G- EXISTING GAS PIPELINE	--- SANITARY SEWER	--- WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	--- CULVERT IDENTIFICATION
--- OH --- OVERHEAD UTILITY LINES	--- EDGE OF GRAVEL	--- UTILITY POLE	--- ORANGE SAFETY FENCE
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT	--- UTILITY POLE	--- ROADSIDE DITCH
--- 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).	--- 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 MATINGS SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE 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 FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
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REVISIONS

NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION

Professional Engineer
 Daniel R. Goldstein
 Lic. No. 047436

ERM

CONSTRUCTION ALIGNMENT STA. 5544+00 TO 5600+00
 HIGHLAND COUNTY, VIRGINIA

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

SCALE:	AS SHOWN
DATE:	6/21/17
DRAWN:	JMS
CHECKED:	DLH
APPROVED:	NET

gai consultants

SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-373-3545

mbe monaloh basin engineers

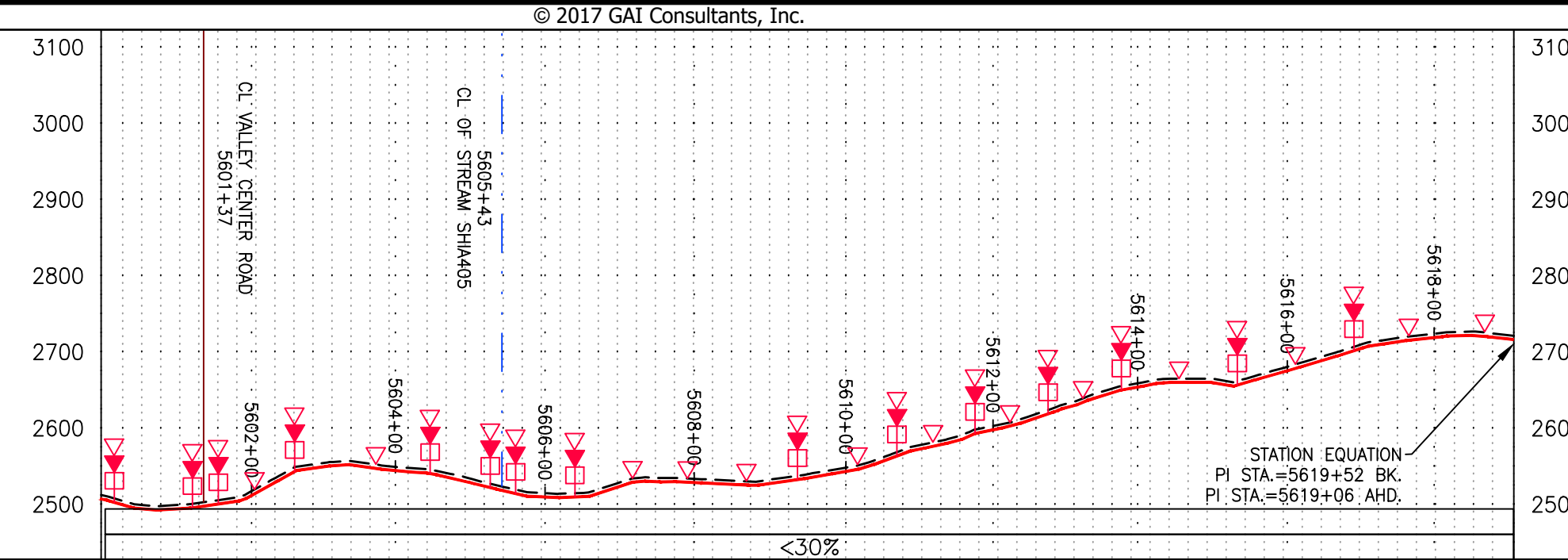
300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO.	140468	
TASK NO.	SUB TASK NO.	
005	00	
GROUP ID	DRAWING NO.	
D	E117	
117	OF	344

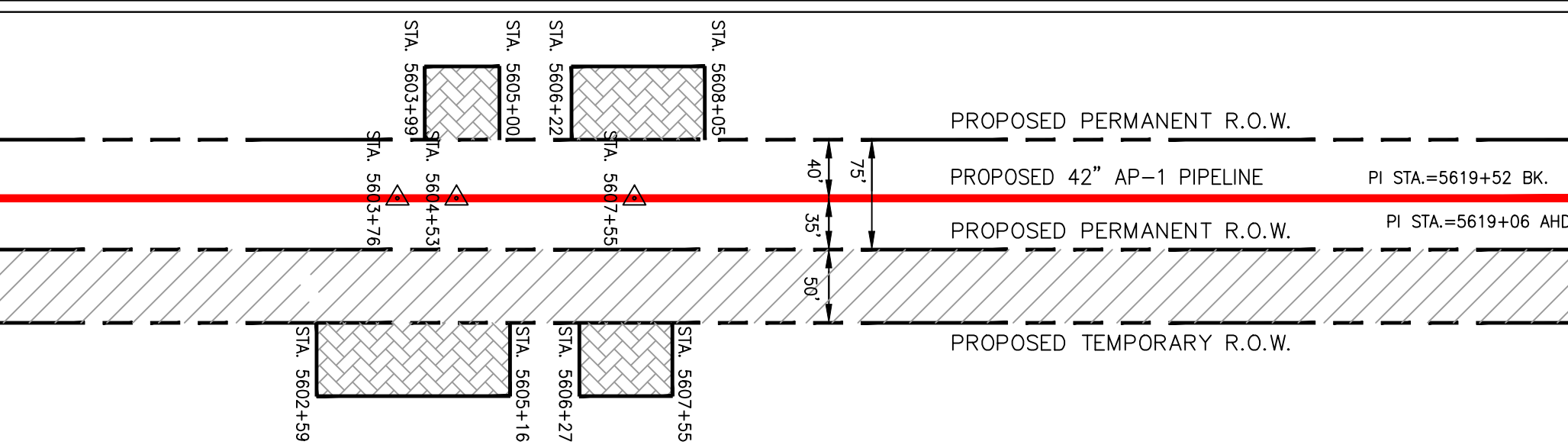
NOTE:
STATIONING SHOWN ON THE
DRAWING IS BASED ON SLOPE
MEASUREMENTS.

PROFILE VIEW

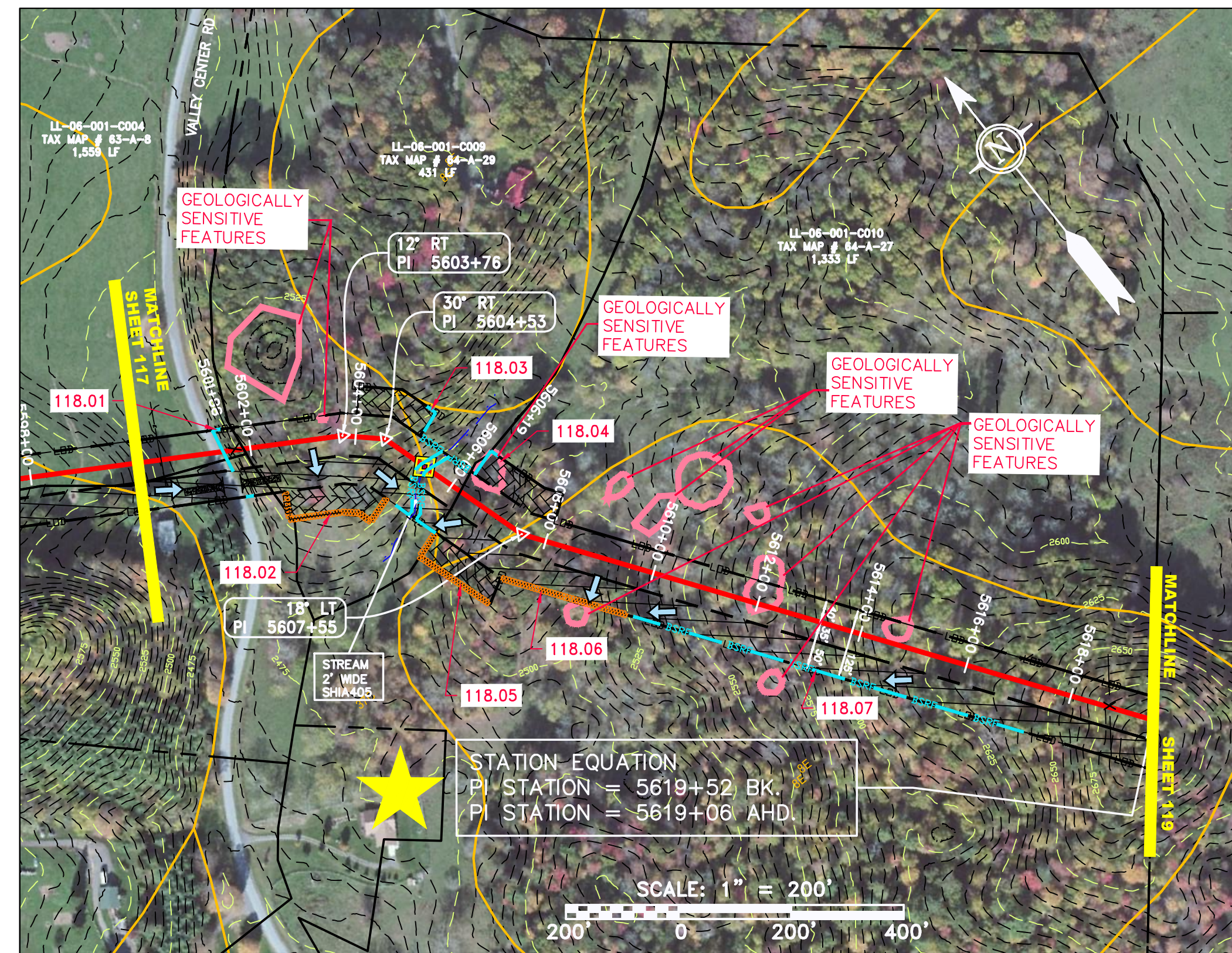
HORZ: 1" = 200'
VERT: 1" = 200'



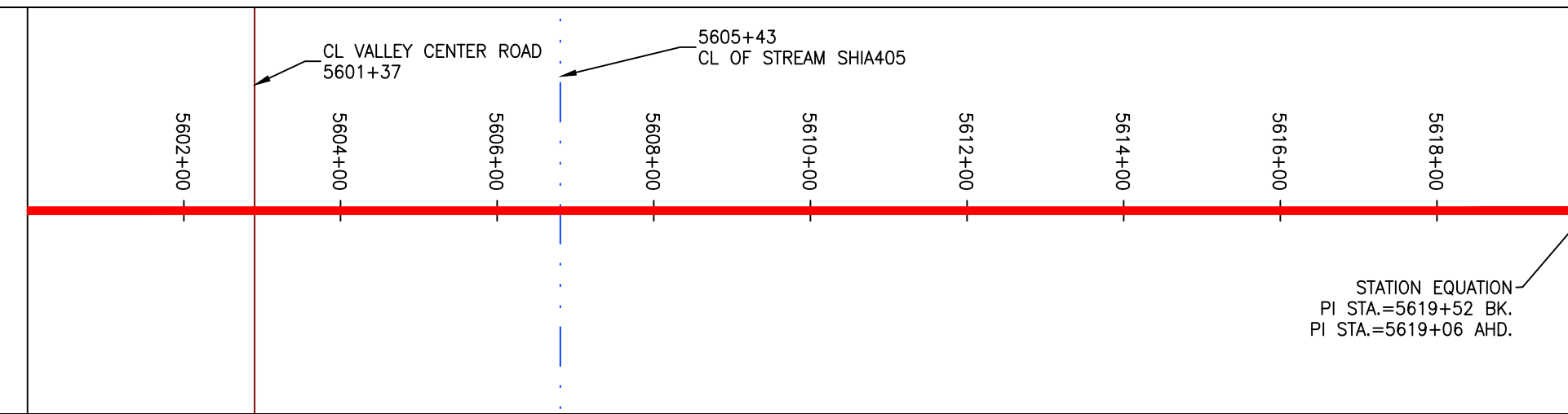
STATIONING &
CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION



STRING VIEW BAND

<p>LEGEND</p> <p>--- PROPERTY LINE</p> <p>X-X FENCE</p> <p>--- STREAM</p> <p>G-G EXISTING GAS PIPELINE</p> <p>OH OVERHEAD UTILITY LINES</p> <p>--- ACCESS ROAD</p> <p>--- PROPOSED GAS PIPELINE</p> <p>--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)</p> <p>--- STORM SEWER</p> <p>E UNDERGROUND ELECTRIC</p> <p>--- WATER LINE</p> <p>--- SAN</p> <p>--- SANITARY SEWER</p> <p>--- EDGE OF GRAVEL</p> <p>--- PROPOSED PERMANENT EASEMENT</p> <p>--- PROPOSED PERMANENT R.O.W.</p> <p>--- PROPOSED TEMPORARY R.O.W.</p> <p>--- UTILITY POLE</p> <p>--- WETLAND</p> <p>--- EXTRA WORK SPACE</p> <p>--- AREA OF NO DISTURBANCE</p> <p>--- TOPSOIL SEGREGATION AREA</p> <p>--- PROPOSED TEMPORARY R.O.W.</p> <p>--- UTILITY POLE</p> <p>--- PERMANENT WATERBAR/SLOPE BREAKER</p> <p>--- TEMPORARY WATERBAR/SLOPE BREAKER</p> <p>--- TRENCH BREAKER/PLUG</p> <p>--- STREAM CROSSING</p> <p>--- USFPWS CROSSING WITH ENHANCED CONTROLS</p> <p>--- SEEP</p> <p>--- SLOPE DIRECTION</p> <p>--- CONSTRUCTION ENTRANCE WITH DITCH</p> <p>--- CULVERT AS NEEDED</p> <p>--- CULVERT/WATERBAR</p> <p>--- LIMIT OF DISTURBANCE</p> <p>--- BELTED SILT RETENTION FENCE (BSRF)</p> <p>--- COMPOST FILTER SOCK</p> <p>--- SEDIMENT BARRIER IDENTIFICATION</p> <p>--- CULVERT IDENTIFICATION</p> <p>--- ORANGE SAFETY FENCE</p> <p>--- ROADSIDE DITCH</p> <p>--- SOIL TYPE</p> <p>--- TYPICAL BIC SLOPE CATEGORY</p> <p>--- SLOPE INCLINATION</p>	<p>NOTES:</p> <ol style="list-style-type: none"> COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W, 11-07-2014. 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 BMAPS 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, VEGETATION, 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.
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REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

Daniel R. Goldstein
Lic. No. 047436
PROFESSIONAL ENGINEER

ERM

CONSTRUCTION ALIGNMENT STA. 5600+00 TO 5619+52
HIGHLAND COUNTY, VIRGINIA

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

SCALE: AS SHOWN
DATE: 6/20/17
DRAWN: JMS
CHECKED: DLH
APPROVED: NET

gai consultants

SOUTHPOINT 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

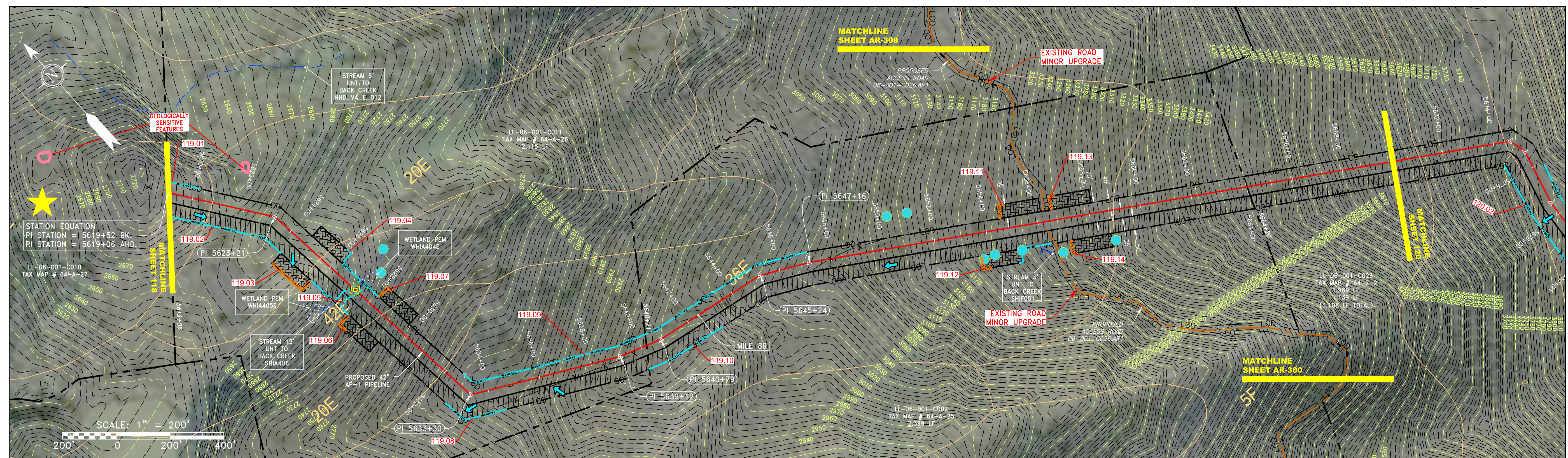
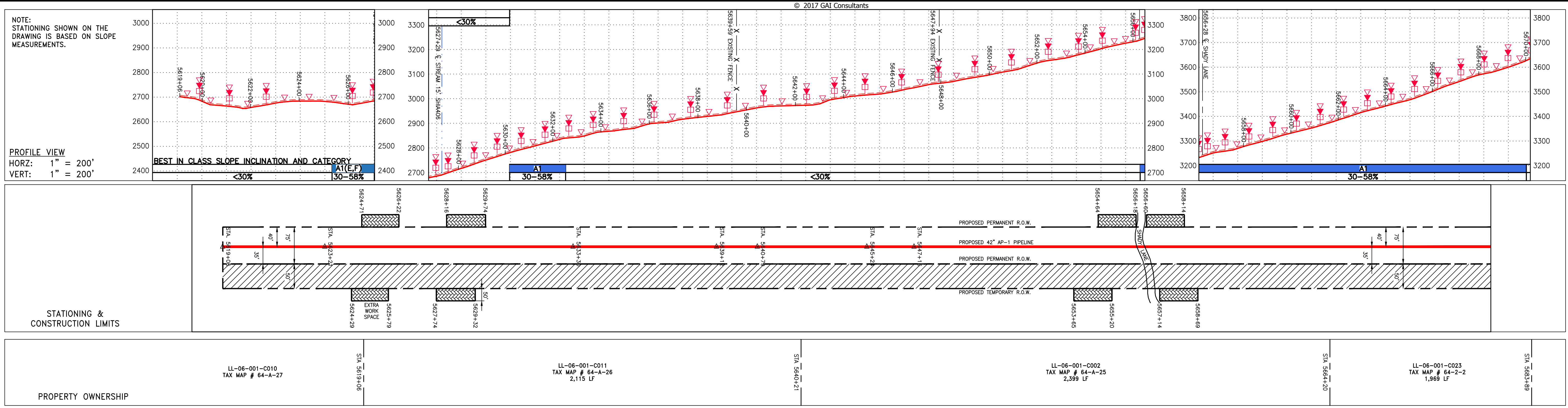
PROJECT NO./DASH NO.
140468

TASK NO.	SUB TASK NO.
005	00

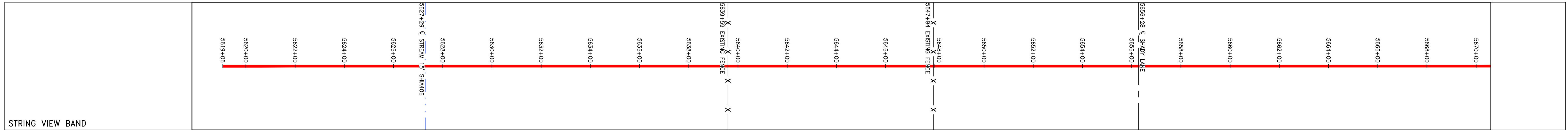
GROUP ID DRAWING NO.
D E118

118 OF 344

G:\CONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\C140468.00 - DOMINION - SOUTHEAST PIPE\CAD\MON FOREST\ROUTE\DWG_PREVIOUS FERC FILING DWGS_ALIGNMENT SHEETS\C140468-00-000-00-E-E119-E123.DWG



NOT TO SCALE
PIPE SPECIFICATION



<p>LEGEND</p> <p>--- PROPERTY LINE</p> <p>X X FENCE</p> <p>--- STREAM</p> <p>C C EXISTING GAS PIPELINE</p> <p>OH OVERHEAD UTILITY LINES</p> <p>--- ACCESS ROAD</p> <p>--- PROPOSED GAS PIPELINE</p> <p>--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)</p> <p>--- STORM SEWER</p> <p>--- UNDERGROUND ELECTRIC</p> <p>--- WATER LINE</p> <p>--- SANITARY SEWER</p> <p>--- EDGE OF GRAVEL</p> <p>--- PROPOSED PERMANENT EASEMENT</p> <p>--- PROPOSED PERMANENT EASEMENT</p>	<p>--- EXTRA WORK SPACE</p> <p>--- AREA OF NO DISTURBANCE</p> <p>WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)</p> <p>TOPSOIL SEGREGATION AREA</p> <p>--- PROPOSED TEMPORARY R.O.W.</p> <p>UTILITY POLE</p>	<p>▲ PERMANENT WATERBAR/SLOPE BREAKER</p> <p>▲ TEMPORARY WATERBAR/SLOPE BREAKER</p> <p>▲ TRENCH BREAKER/PLUG</p> <p>◆ STREAM CROSSING</p> <p>◆ USFWS STREAM CROSSING WITH ENHANCED CONTROLS</p> <p>◆ SEEP</p> <p>◆ SLOPE DIRECTION</p> <p>◆ CONSTRUCTION ENTRANCE WITH DITCH</p> <p>◆ CULVERT AS NEEDED</p> <p>◆ CULVERT WATERBAR</p>	<p>--- LIMIT OF DISTURBANCE</p> <p>--- BELTED SILT RETENTION FENCE (BSRF)</p> <p>--- COMPOST FILTER SOCK</p> <p>--- SEDIMENT IDENTIFICATION</p> <p>--- CULVERT IDENTIFICATION</p> <p>--- ORANGE SAFETY FENCE</p> <p>--- ROADSIDE DITCH</p> <p>--- SOIL TYPE</p> <p>--- TYPICAL BIC SLOPE CATEGORY</p> <p>--- SLOPE INCLINATION</p>	<p>NOTES:</p> <ol style="list-style-type: none"> 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. EROSION CONTROL MEETING 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.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.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

Daniel L. Goldstein
 Lic. No. 04746
 PROFESSIONAL ENGINEER

ERM

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

gai consultants

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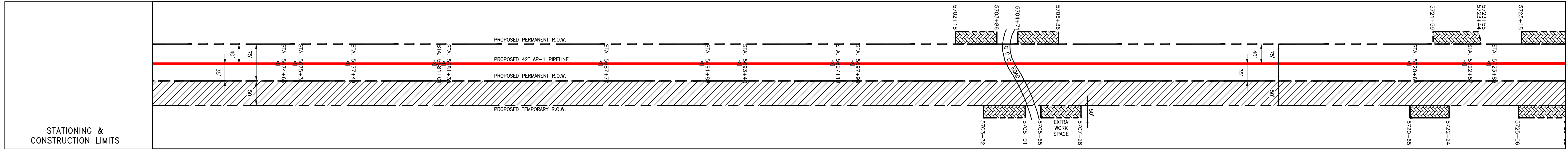
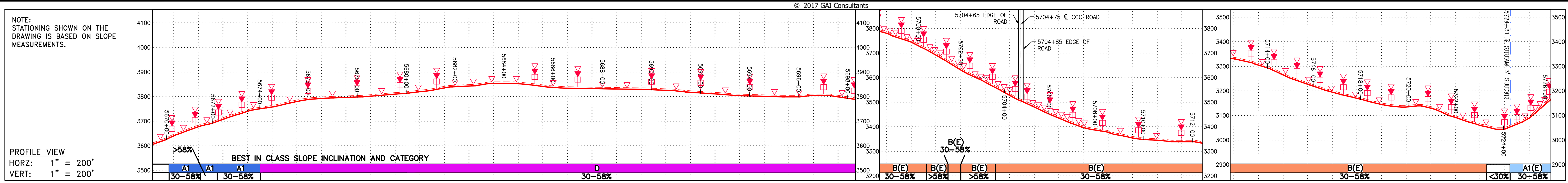
PROJECT NO./DASH NO.
140468

TASK NO.	SUB TASK NO.
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GROUP ID DRAWING NO.
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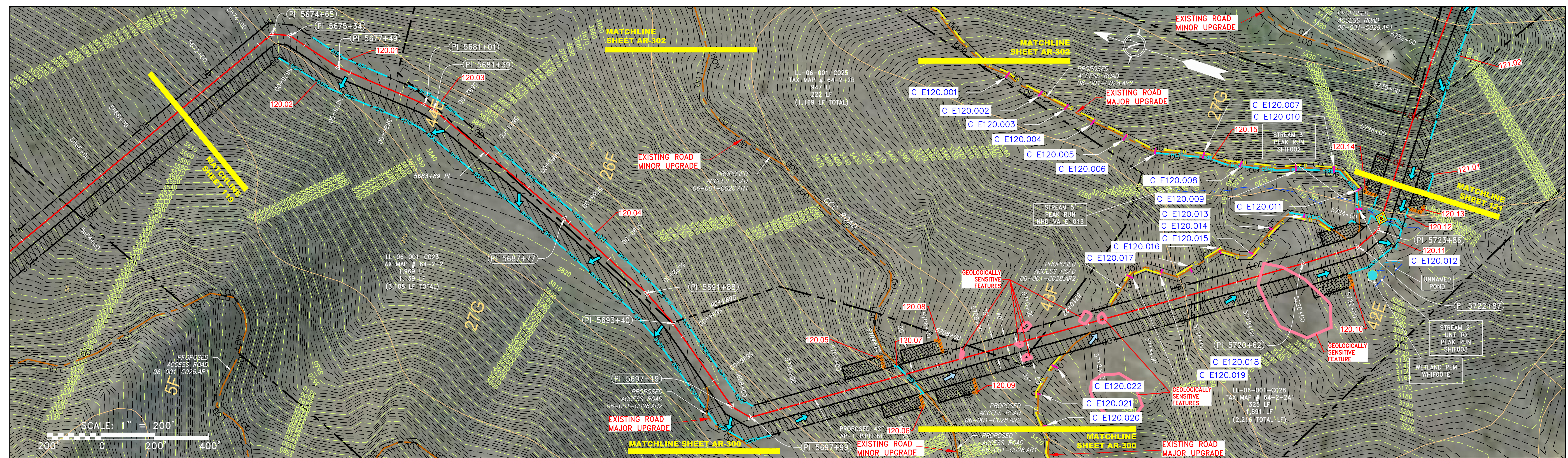
119 OF 344

\\GAICONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\C140468.00 - DOMINION - SOUTHEAST PIPE\CAD\MON FOREST REROUTE\DWG_PREVIOUS FERC FILING DWGS_ALIGNMENT SHEETS\C140468-00-000-E-119-E123.DWG

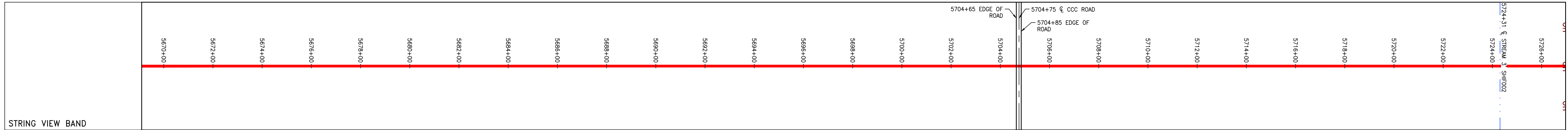


PROPERTY OWNERSHIP

LL-06-001-C023 TAX MAP # 64-2-2 1,969 LF	SIA 5683+36	LL-06-001-C025 TAX MAP # 64-2-2B 947 LF	SIA 5704+75	LL-06-001-C023 TAX MAP # 64-2-2 1,139 LF	SIA 5708+40	LL-06-001-C025 TAX MAP # 64-2-2B 222 LF	SIA 5710+22	LL-06-001-C028 TAX MAP # 64-2-2A1 1,891 LF	SIA 5724+13
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NOT TO SCALE
 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.
X-X FENCE	--- UNDERGROUND ELECTRIC	--- TOPSOIL SEGREGATION AREA	--- BELTED SILT RETENTION FENCE (BSRF)	1. 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.
--- STREAM	--- WATER LINE	--- AREA OF NO DISTURBANCE	--- COMPOST FILTER SOCK	2. AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
--- EXISTING GAS PIPELINE	--- SANITARY SEWER	--- WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	--- CULVERT IDENTIFICATION	3. IMAGERY TAKEN FROM GOOGLE EARTH.
--- OH OVERHEAD UTILITY LINES	--- EDGE OF GRAVEL	--- UTILITY POLE	--- ORANGE SAFETY FENCE	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.
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT	--- PERMANENT WATERBAR/SLOPE BREAKER	--- ROADSIDE DITCH	5. 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.
--- PROPOSED GAS PIPELINE	--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)	--- TEMPORARY WATERBAR/SLOPE BREAKER	--- SOIL TYPE	6. ALL STATIONING SHOWN IS SLOPE STATIONING.
		--- TRENCH BREAKER/PLUG	--- TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION	7. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
		--- STREAM CROSSING		8. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
		--- USFWS STREAM CROSSING WITH ENHANCED CONTROLS		9. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) 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.
		--- SEEP		10. 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.
		--- SLOPE DIRECTION		11. 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.
		--- 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).

REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

ERM

42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA 5670+00 TO 5726+00
 HIGHLAND COUNTY, VIRGINIA

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

SCALE: AS SHOWN
 DATE: 6/1/17
 DRAWN: STM
 CHECKED: DLH
 APPROVED: NET

gai consultants

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

mbe
 monaloh basin
 engineers

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

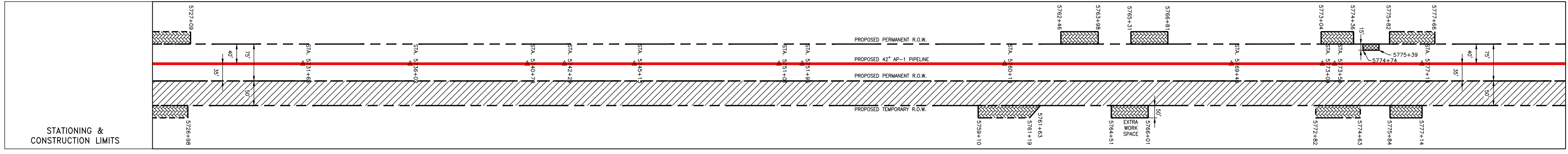
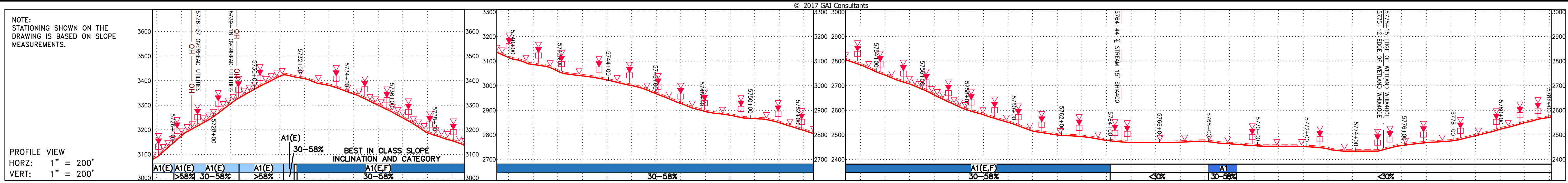
PROJECT NO./DASH NO.
140468

TASK NO.	SUB TASK NO.
005	00

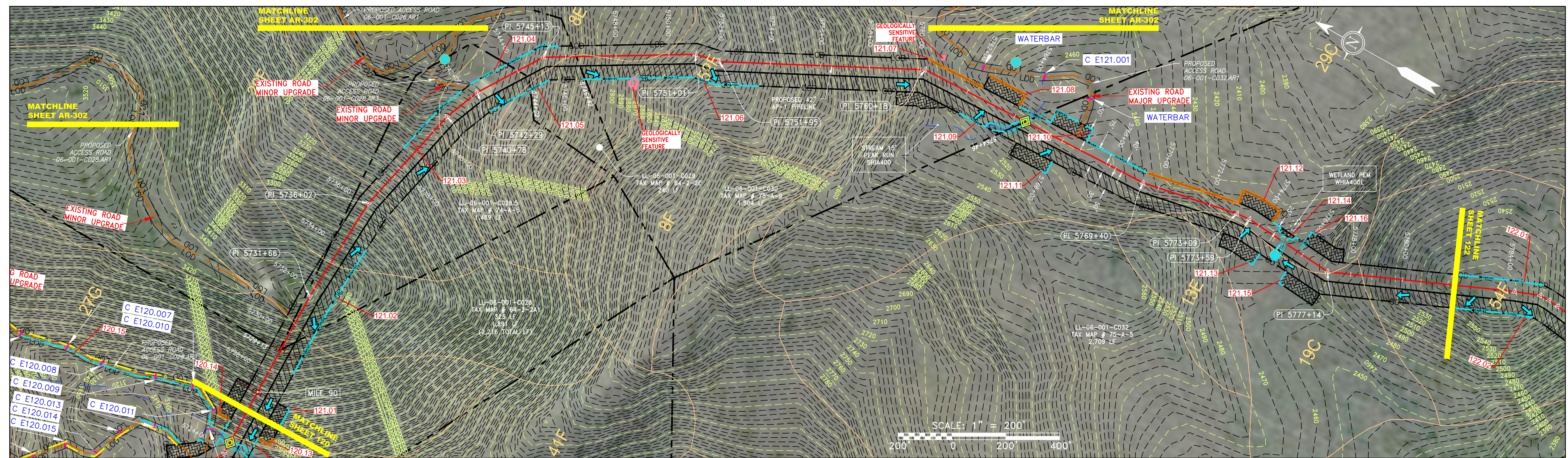
GROUP ID DRAWING NO.
D E120

120 OF 344

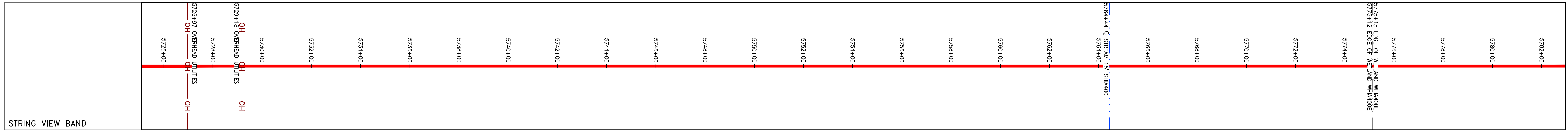
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PROPERTY OWNERSHIP	STATIONING	AREA
LL-06-001-C028 TAX MAP # 64-2-2A1 1,881 LF	S/A 5729+13	
LL-06-001-C028.5 TAX MAP # 74-A-5 1,489 LF	S/A 5744+02	
LL-06-001-C029 TAX MAP # 64-2-2E 240 LF	S/A 5746+42	
LL-06-001-C030 TAX MAP # 75-A-9 1,804 LF	S/A 5744+46	
LL-06-001-C032 TAX MAP # 75-A-5 2,709 LF	S/A 5781+55	



NOT TO SCALE
PIPE SPECIFICATION



<p>LEGEND</p> <ul style="list-style-type: none"> — PROPERTY LINE X — FENCE — STREAM G — EXISTING GAS PIPELINE OH — OVERHEAD UTILITY LINES — ACCESS ROAD — PROPOSED GAS PIPELINE — PROPOSED GAS PIPELINE (NO GROUND SURVEY) — 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 (COLOR SHOWN TO PROVIDE CLARITY ONLY) — TOPSOIL SEGREGATION AREA — PROPOSED TEMPORARY R.O.W. — UTILITY POLE ▲ 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 — LIMIT OF DISTURBANCE — BELTED SILT RETENTION FENCE (BSRF) — COMPOST FILTER SOCK — SEDIMENT BARRIER IDENTIFICATION — CULVERT IDENTIFICATION — ORANGE SAFETY FENCE — ROADSIDE DITCH — SOIL TYPE — TYPICAL BIC SLOPE CATEGORY — SLOPE INCLINATION 	<p>NOTES:</p> <ol style="list-style-type: none"> 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 AND CONTIGUOUS TO THE BEST IN CLASS SLOPE SLOPES BAND. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS MINOR IMPROVEMENTS, 2) EXISTING ROADS MAJOR IMPROVEMENTS AND 3) NEW ROADS. APPROPRIATE EROSION AND SEDIMENTATION CONTROLS WILL BE PROVIDED FOR 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 BIMS AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE SLOPE 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.
--	---

REVISIONS	
NO.	DESCRIPTION

ERM
 ENVIRONMENTAL & RESTORATION MANAGEMENT

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

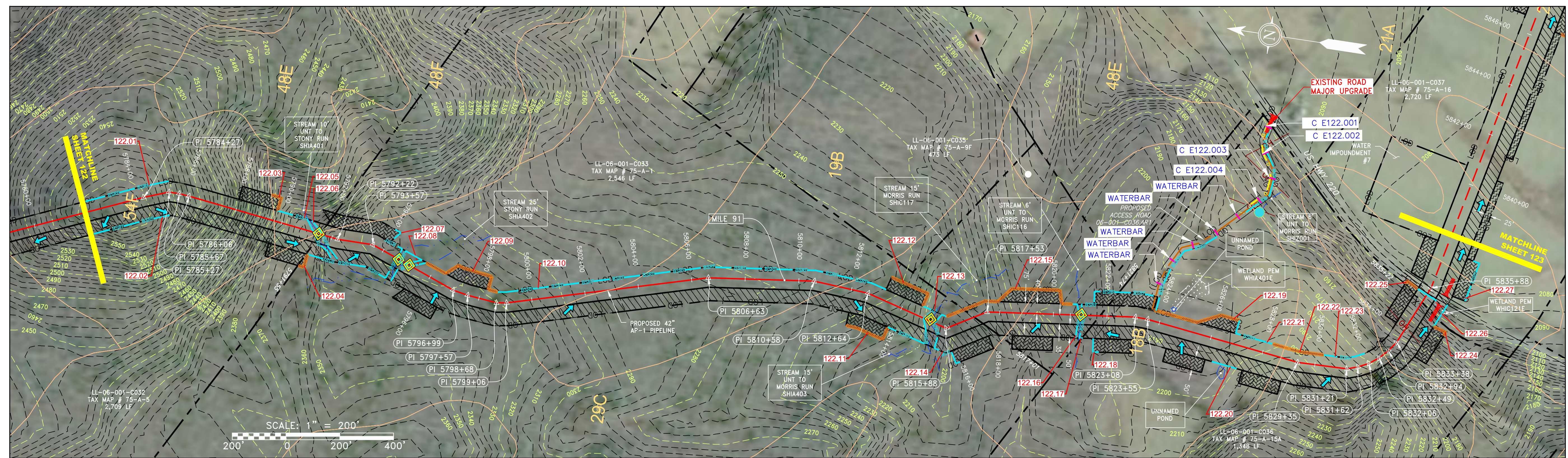
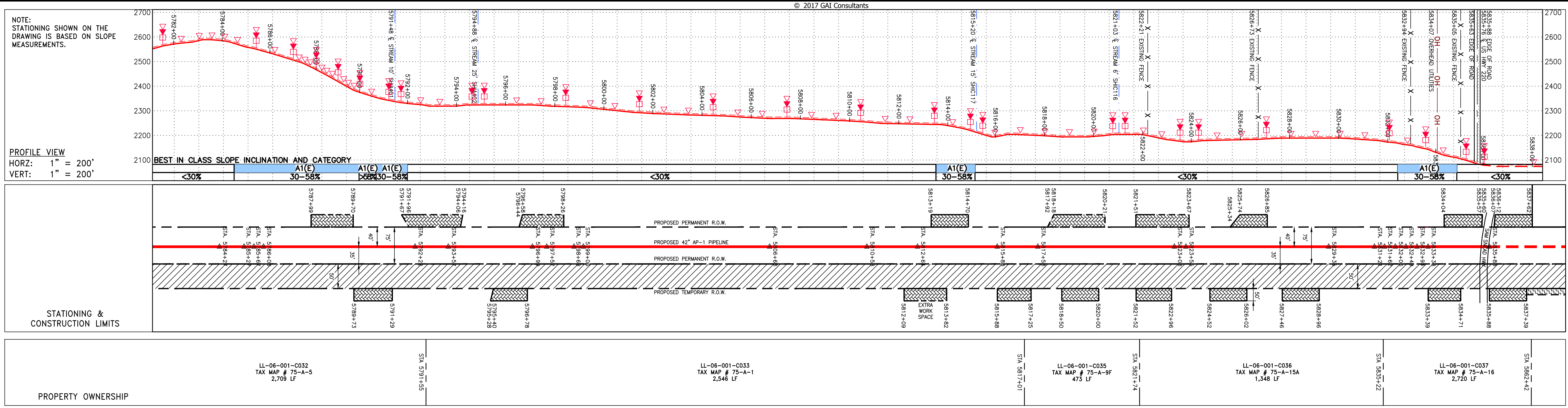
SCALE: AS SHOWN
 DATE: 6/1/17
 DRAWN: STM
 CHECKED: DLH
 APPROVED: NET

SOUTHPONTE 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. E121
121 OF 344		6/1/2017 11:23 AM

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NOT TO SCALE
 PIPE SPECIFICATION



LEGEND		NOTES:	
—	PROPERTY LINE	1.	COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° 11' 07" 2014.
X-X	FENCE	2.	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	3.	IMAGERY TAKEN FROM GOOGLE EARTH.
-C-	EXISTING GAS PIPELINE	4.	THE DRAWINGS WERE PROVIDED BY ERM.
OH	OVERHEAD UTILITY LINES	5.	STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
---	ACCESS ROAD	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.
---	PROPOSED GAS PIPELINE	7.	ALL STATIONING SHOWN IS SLOPE STATIONING.
---	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	8.	SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
---	STORM SEWER	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.
---	UNDERGROUND ELECTRIC	10.	ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES: 1) EXISTING ROADS MINOR IMPROVEMENTS, 2) 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 FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
---	WATER LINE	11.	"ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMP'S AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE SLOPE SECTION OF THE INDEX SHEET OF THIS PLAN SET."
---	SANITARY SEWER	12.	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.
---	SANITARY SEWER		
---	EDGE OF GRAVEL		
---	PROPOSED PERMANENT EASEMENT		
---	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		
---	EXTRA WORK SPACE		
---	AREA OF NO DISTURBANCE		
---	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		
---	TOPSOIL SEGREGATION AREA		
---	PROPOSED TEMPORARY R.O.W.		
---	UTILITY POLE		
---	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		
---	LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF)		
---	COMPOST FILTER SOCK		
---	SEDIMENT BARRIER IDENTIFICATION		
---	CULVERT IDENTIFICATION		
---	ORANGE SAFETY FENCE		
---	ROADSIDE DITCH		
---	SOIL TYPE		
---	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION		

NO.	DATE	CHKD.	APPD.	DESCRIPTION

ERM

CONSTRUCTION ALIGNMENT STA 5782+00 TO 5838+00
 HIGHLAND COUNTY, VIRGINIA

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

SCALE: AS SHOWN
DATE: 6/1/17
DRAWN: STM
CHECKED: DLH
APPROVED: NET

gai consultants

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

mbe monaloh basin engineers

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

PROJECT NO./DASH NO.
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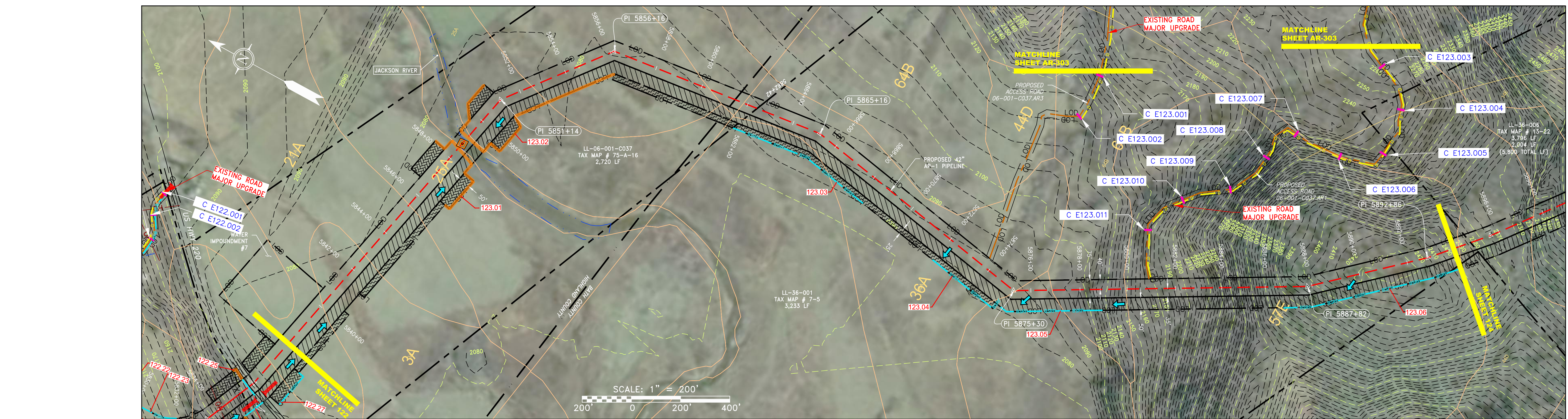
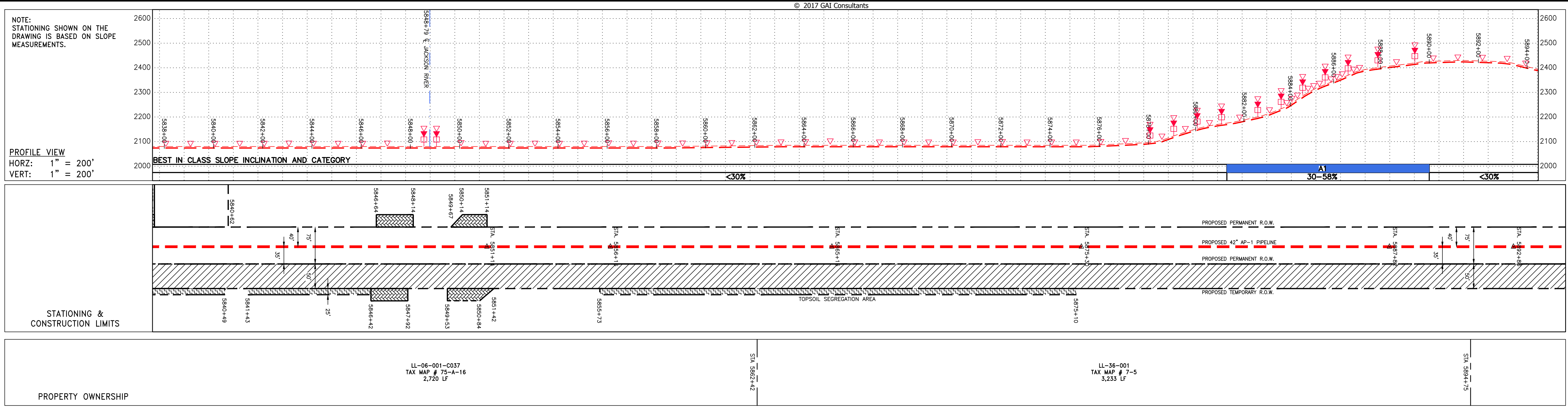
TASK NO. SUB TASK NO.
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GROUP ID DRAWING NO.
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122 OF 344

6/1/2017 11:24 AM

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NOT TO SCALE

PIPE SPECIFICATION

STRING VIEW BAND

<p>LEGEND</p> <ul style="list-style-type: none"> — PROPERTY LINE X — FENCE — STREAM G — EXISTING GAS PIPELINE OH — OVERHEAD UTILITY LINES — ACCESS ROAD — PROPOSED GAS PIPELINE 	<ul style="list-style-type: none"> E — STORM SEWER W — UNDERGROUND ELECTRIC — WATER LINE — SAN — SANITARY SEWER — 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 (COLOR SHOWN TO PROVIDE CLARITY ONLY) TOPSOIL SEGREGATION AREA PROPOSED TEMPORARY R.O.W. UTILITY POLE <p>NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).</p>	<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 — LIMIT OF DISTURBANCE BSRF — BELTED SILT RETENTION FENCE (BSRF) 111.03 — COMPOST FILTER SOCK 111.01 — SEDIMENT IDENTIFICATION C 111.001 — CULVERT IDENTIFICATION — ORANGE SAFETY FENCE — ROADSIDE DITCH — SOIL TYPE A1 (E) 30-58% — TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION 	<p>NOTES:</p> <ol style="list-style-type: none"> 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. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES PLAN. 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. 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 BIMP 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.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.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.
---	--	--	--	---	--

REVISIONS	
NO.	DATE
DWN.	CHKD.
APPD.	
DESCRIPTION	

ERM

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 5838+00 TO 5894+00
HIGHLAND & BATH COUNTIES, VIRGINIA

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

SCALE: AS SHOWN
DATE: 6/1/17
DRAWN: STM
CHECKED: DLH
APPROVED: NET

PROJECT NO./DASH NO.
140468

TASK NO.	SUB TASK NO.
005	00

GROUP ID: **D** DRAWING NO.: **E123**

123 OF 344

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

mbemonaloh basin engineers

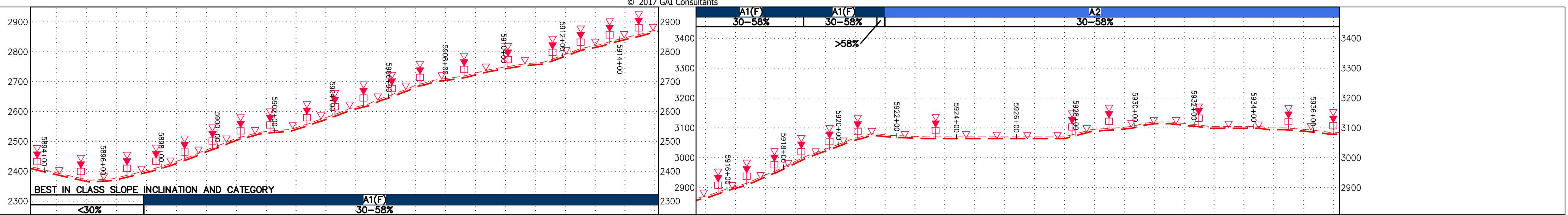
300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

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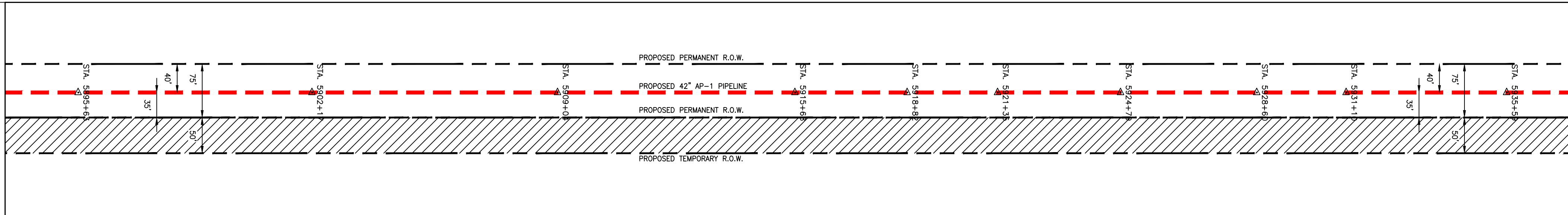
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NOTE:
STATIONING SHOWN ON THE
DRAWING IS BASED ON SLOPE
MEASUREMENTS.

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



STATIONING &
CONSTRUCTION LIMITS

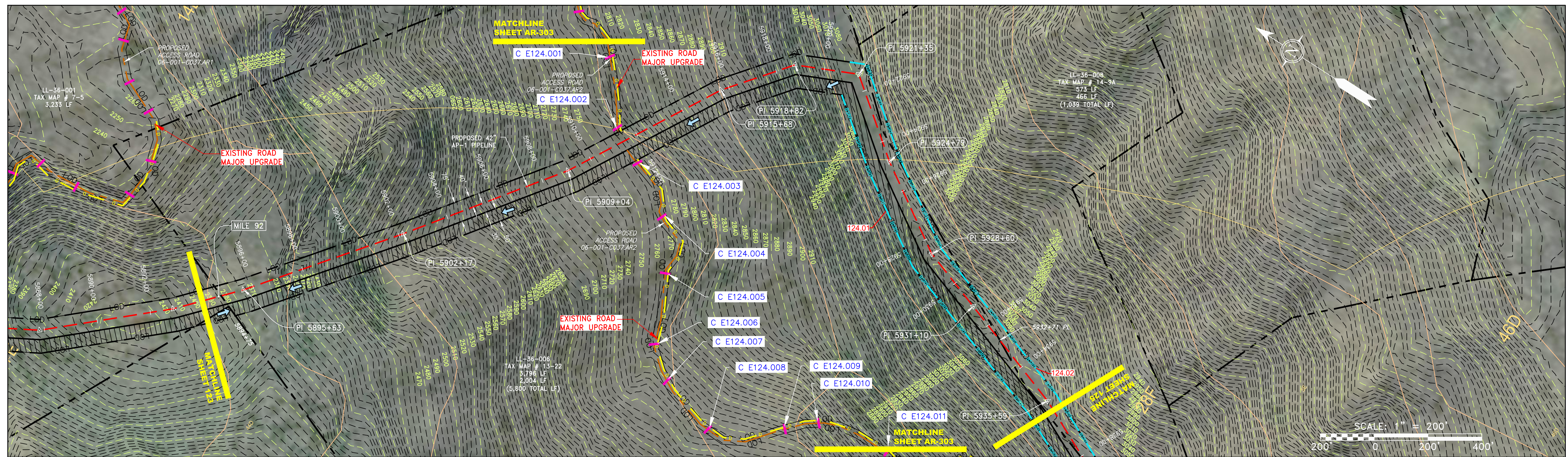


PROPERTY OWNERSHIP

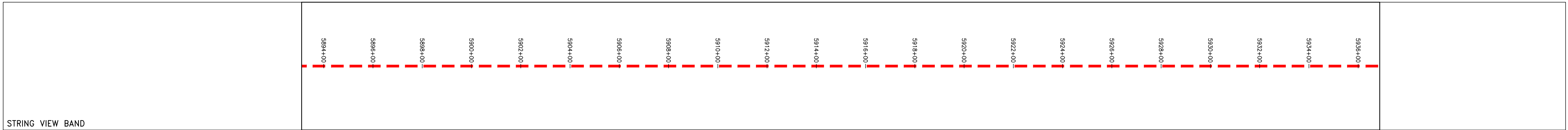
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LL-36-006
TAX MAP # 13-22
3,796 LF

LL-36-008
TAX MAP # 14-9A
573 LF



NOT TO SCALE
PIPE SPECIFICATION



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] | EDGE OF GRAVEL | [Triangle] | PERMANENT WATERBAR/SLOPE BREAKER |
| — OH — | OVERHEAD UTILITY LINES | — — — — — | PROPOSED PERMANENT EASEMENT | [Red Line] | PROPOSED GAS PIPELINE | [Triangle] | TEMPORARY WATERBAR/SLOPE BREAKER |
| — — — — — | ACCESS ROAD | — — — — — | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | [Red Line] | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | [Triangle] | TRENCH BREAKER/PLUG |
| — — — — — | PROPOSED GAS PIPELINE | — — — — — | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | [Red Line] | PROPOSED GAS PIPELINE (NO GROUND SURVEY) | [Triangle] | STREAM CROSSING |
| | | | | | | | USFWS STREAM CROSSING WITH ENHANCED CONTROLS |
| | | | | | | | SEEP |
| | | | | | | | SLOPE DIRECTION |
| | | | | | | | CONSTRUCTION ENTRANCE WITH DITCH |
| | | | | | | | 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.
 - ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENTATION CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 1 AND 2.
 - EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.
 - APPROPRIATE 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 BMP'S 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
CONSTRUCTION ALIGNMENT STA 5894+00 TO 5936+00
BATH COUNTY, VIRGINIA

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

SCALE: AS SHOWN
DATE: 6/1/17
DRAWN: CJF
CHECKED: DLH
APPROVED: NET

gai consultants

SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
SUITE 300 EAST
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

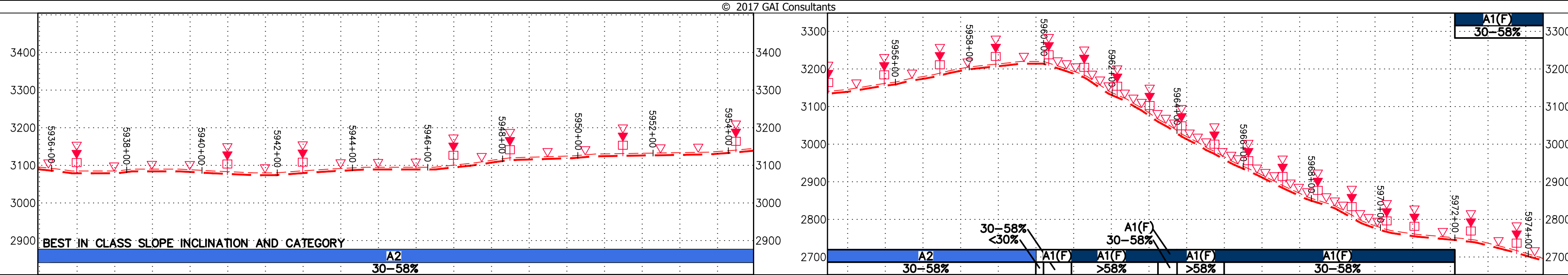
GROUP ID DRAWING NO.
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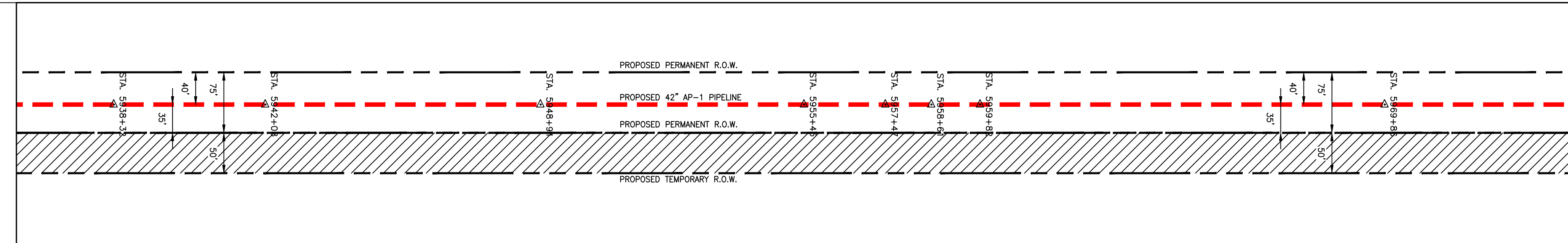
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NOTE:
STATIONING SHOWN ON THE
DRAWING IS BASED ON SLOPE
MEASUREMENTS.

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

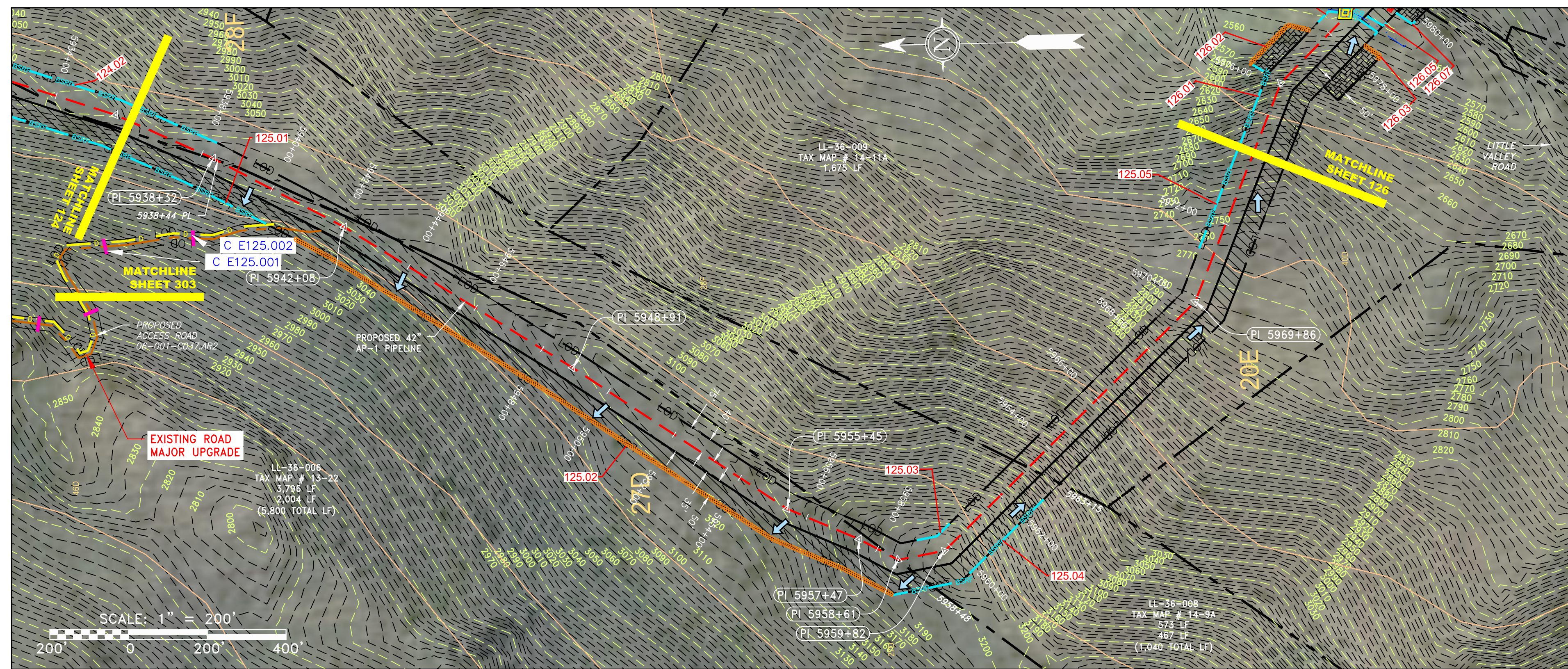


STATIONING &
CONSTRUCTION LIMITS



PROPERTY OWNERSHIP

LL-36-008 TAX MAP # 14-9A 573 LF	LL-36-006 TAX MAP # 13-22 2,004 LF	LL-36-008 TAX MAP # 14-9A 467 LF	LL-36-009 TAX MAP # 14-11A 1,675 LF
--	--	--	---



NOT TO SCALE
PIPE SPECIFICATION

STRING VIEW BAND

LEGEND	
--- PROPERTY LINE	--- STORM SEWER
X-X FENCE	--- UNDERGROUND ELECTRIC
--- STREAM	--- WATER LINE
--- 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 (COLOR SHOWN TO PROVIDE CLARITY ONLY)	UTILITY POLE
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
LIMIT OF DISTURBANCE	BELTED SILT RETENTION FENCE (BSRF)
COMPOST FILTER SOCK	SEDIMENT IDENTIFICATION
CULVERT IDENTIFICATION	ORANGE SAFETY FENCE
ROADSIDE DITCH	SOIL TYPE
TYPICAL BIC SLOPE CATEGORY	SLOPE INCLINATION

NOTES:

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- HAVE ADEQUATE EXISTING DRAINAGE/DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

Daniel L. Goldstein
 Daniel L. Goldstein
 Lic. No. 047436

ERM

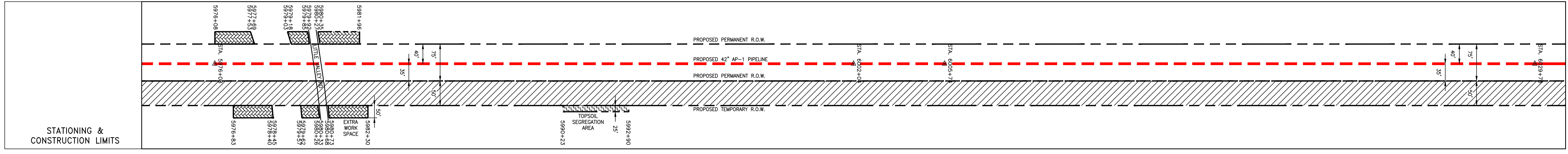
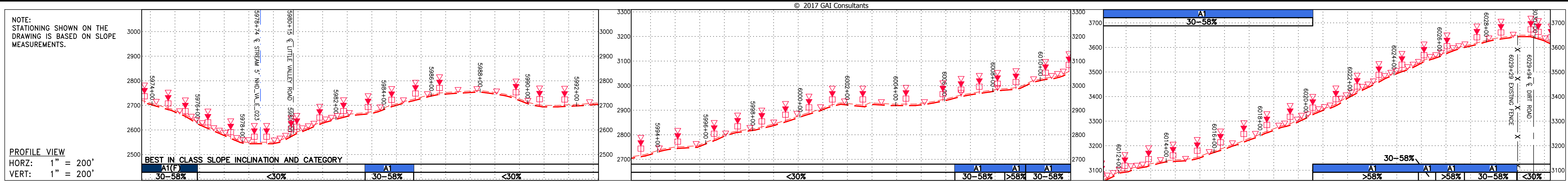
SCALE:	AS SHOWN
DATE:	6/1/17
DRAWN:	STM
CHECKED:	DLH
APPROVED:	NET

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

mbe
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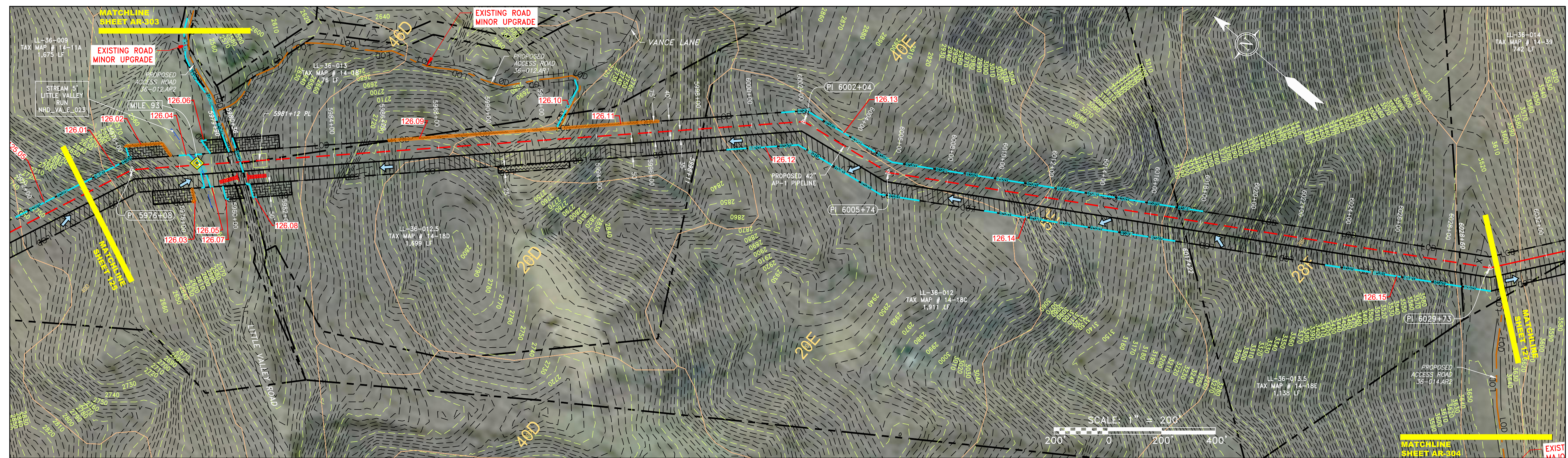
PROJECT NO./DASH NO.	140468	
TASK NO.	005	SUB TASK NO. 00
GROUP ID	D	DRAWING NO. E125
125	OF	344

GAICONSULTANTS.LOCAL\BUPROJ\ENERGY\2014\C140468.00 - DOMINION - SOUTHEAST PIPE\CAD\MON FOREST REROUTE.DWG - PREVIOUS FERC FILING DWGS - ALIGNMENT SHEETS\C140468-00-000-00-E-E124-E128.DWG

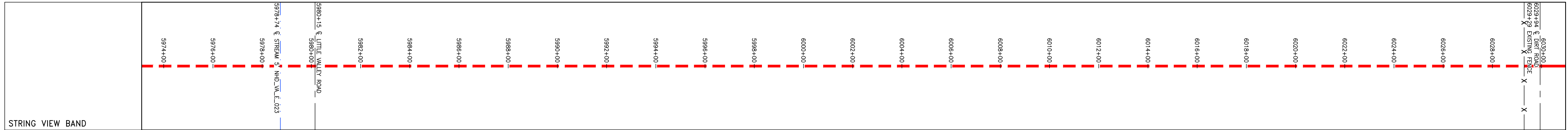


PROPERTY OWNERSHIP

Stationing	Property Owner	Area (LF)
5974+00 - 5982+00	LL-36-009 TAX MAP # 14-11A	1,675 LF
5982+00 - 5988+00	LL-36-012.5 TAX MAP # 14-18D	1,699 LF
5988+00 - 6000+00	LL-36-012 TAX MAP # 14-18C	1,911 LF
6000+00 - 6006+00	LL-36-012.5 TAX MAP # 14-18E	1,138 LF
6006+00 - 6012+00	LL-36-014 TAX MAP # 14-39	742 LF



NOT TO SCALE
 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	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	—		—	
—	ACCESS ROAD	—	PROPOSED PERMANENT EASEMENT	—		—	
—	PROPOSED GAS PIPELINE	—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	—		—	

NOTES:

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REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

Daniel L. Goldstein
 Lic. No. 04746
 ERM

42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA 5974+00 TO 6030+00
 BATH COUNTY, VIRGINIA

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

SCALE: AS SHOWN
 DATE: 6/1/17
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gai consultants

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PROJECT NO./DASH NO.
140468

TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E126

126 OF 344

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