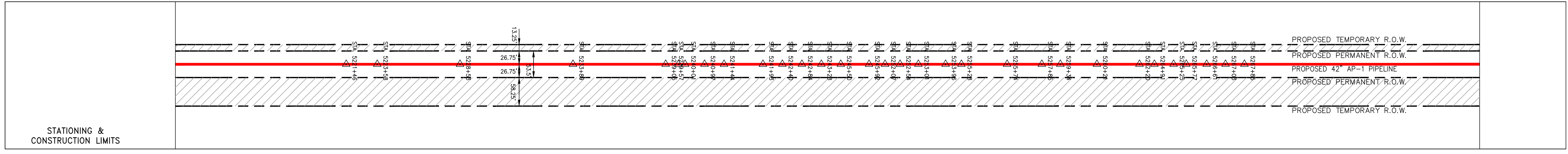
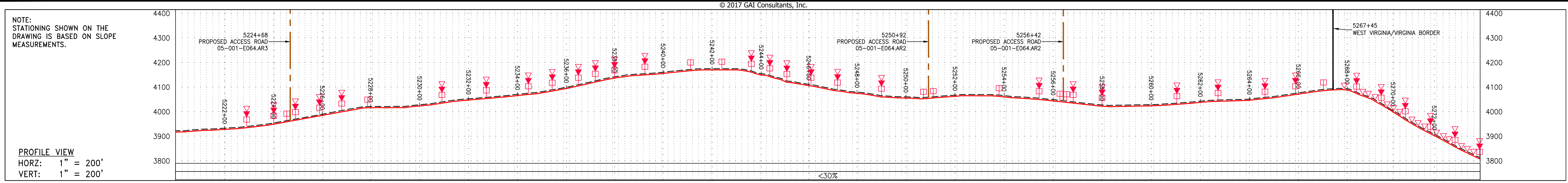
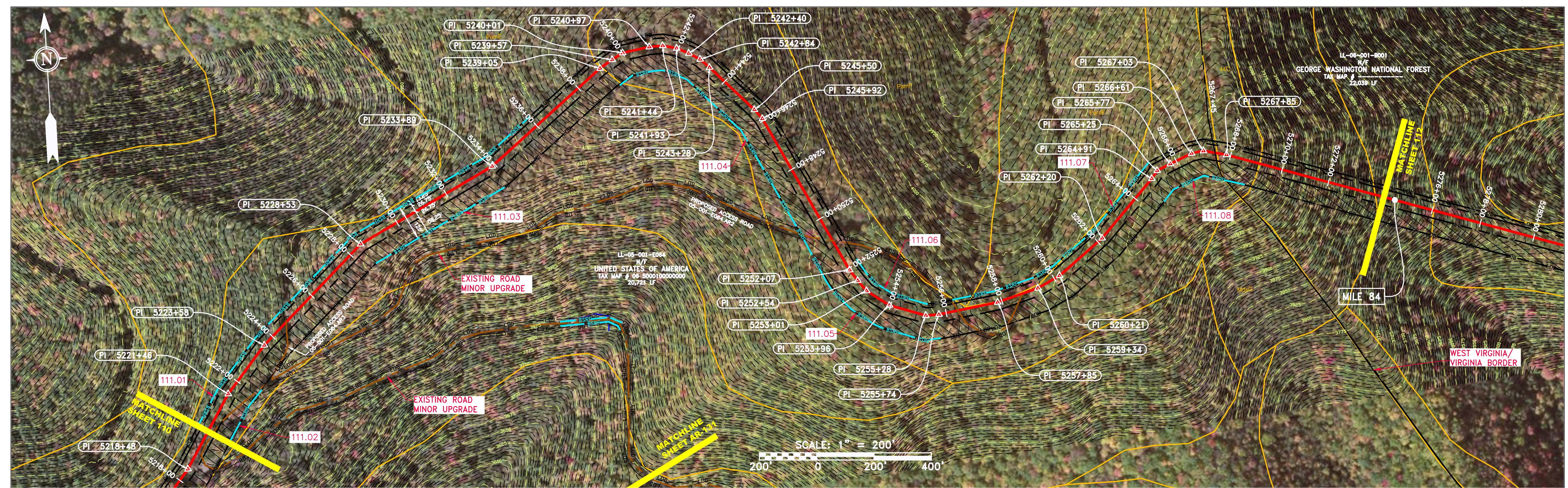


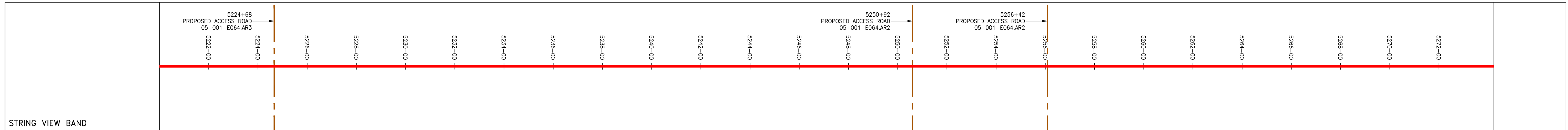
GAI CAD FILE NO. 2665 - GAI WORK ORDER 02 - SOUTHEAST PIPELINE (SECTION 1) 1 - REROUTE 1A ALIGNMENT SHEETS\2665-02_SPREAD_1A_SHEET_111.DWG



PROPERTY OWNERSHIP	STATIONING
LL-05-001-E064 N/T UNITED STATES OF AMERICA TAX MAP # 06 3000100000000 20,721 LF	5260+24
LL-06-001-8001 N/T GEORGE WASHINGTON NATIONAL FOREST TAX MAP # 22,039 LF	5267+45
	5267+84



PIPE SPECIFICATION
Proposed 42" AP-1 Pipeline



<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 -E- UNDERGROUND ELECTRIC -W- WATER LINE -G- SANITARY SEWER - - - EDGE OF GRAVEL - - - PROPOSED PERMANENT EASEMENT - - - PROPOSED GAS PIPELINE (NO GROUND SURVEY) [Hatched Box] EXTRA WORK SPACE [Dotted Box] AREA OF NO DISTURBANCE [Green Box] WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) [Hatched Box] TOPSOIL SEGREGATION AREA [Hatched Box] PROPOSED TEMPORARY R.O.W. [Circle with X] UTILITY POLE [Triangle with X] PERMANENT WATERBAR/SLOPE BREAKER [Triangle with X] TEMPORARY WATERBAR/SLOPE BREAKER [Triangle with X] TRENCH BREAKER/PLUG [Circle with X] STREAM CROSSING [Circle with X] USFWS STREAM CROSSING WITH ENHANCED CONTROLS [Circle with X] SEEP [Circle with X] SLOPE DIRECTION [Circle with X] CONSTRUCTION ENTRANCE WITH DITCH [Circle with X] CULVERT AS NEEDED [Circle with X] CULVERT/WATERBAR [Line with X] LDD [Line with X] BELTED SILT RETENTION FENCE (BSRF) [Line with X] COMPOST FILTER SOCK [Line with X] SEDIMENT BARRIER IDENTIFICATION [Line with X] CULVERT IDENTIFICATION [Line with X] ORANGE SAFETY FENCE [Line with X] ROADSIDE DITCH [Line with X] SOIL TYPE [Line with X] TYPICAL BIC SLOPE CATEGORY [Line with X] SLOPE INCLINATION 	<p>NOTES:</p> <ol style="list-style-type: none"> COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. 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. EXISTING 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	CHKD.	APPROV.	DESCRIPTION

CONSTRUCTION ALIGNMENT STA. 5220+00 TO 5274+00

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

DANIEL R. GOLDSTEIN
Lic. No. 047436

ERM

SCALE:	AS SHOWN
DATE:	3/29/17
DRAWN:	CLM
CHECKED:	DLH
APPROVED:	NET

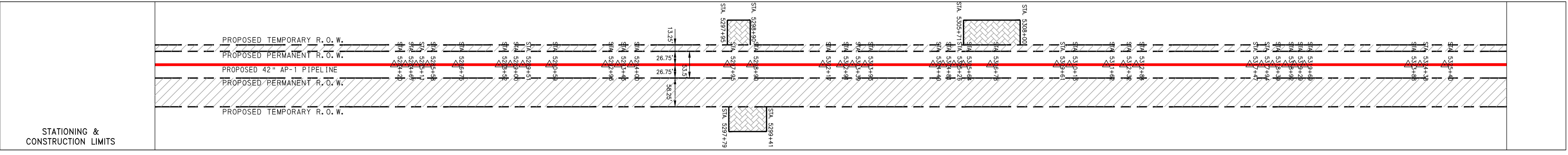
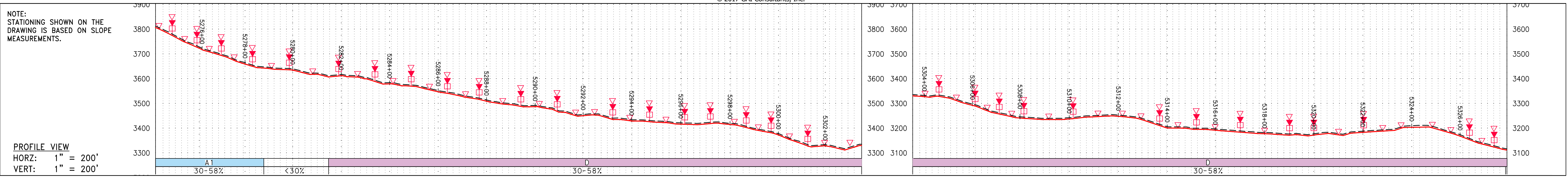
gai consultants

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

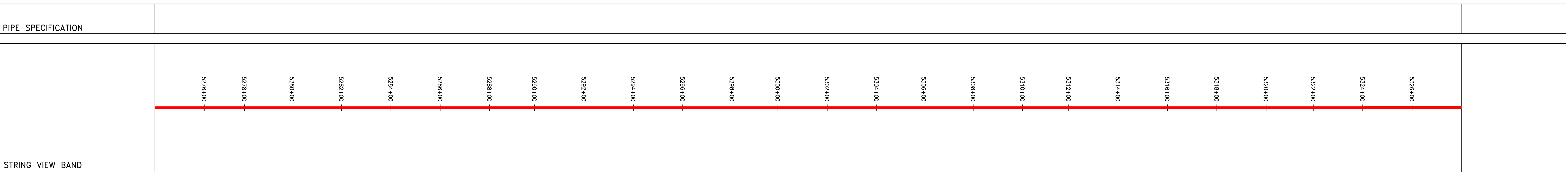
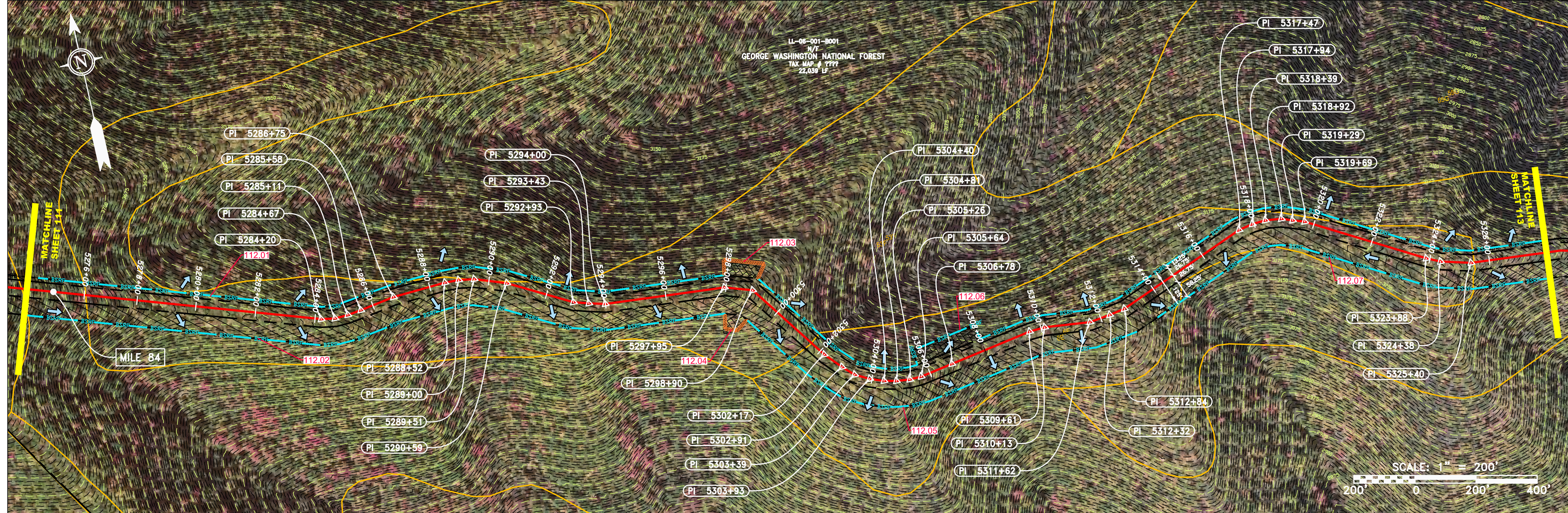
mbe
monah basin
engineers

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.	E111
111 OF 344	



PROPERTY OWNERSHIP: GEORGE WASHINGTON NATIONAL FOREST, TAX MAP # 7777, 22.039 LF. Stationing: 5274+45 to 5326+45.



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
- 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
- USFWS 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 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 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 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.S. 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.	APPD.	DESCRIPTION

Professional Engineer
 Daniel R. Goldstein
 Lic. No. 047436

ERM

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

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

SCALE: AS SHOWN
 DATE: 3/27/17
 DRAWN: JMS
 CHECKED: DLH
 APPROVED: NET

gai consultants
 SOUTHPOINT OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-573-3545

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

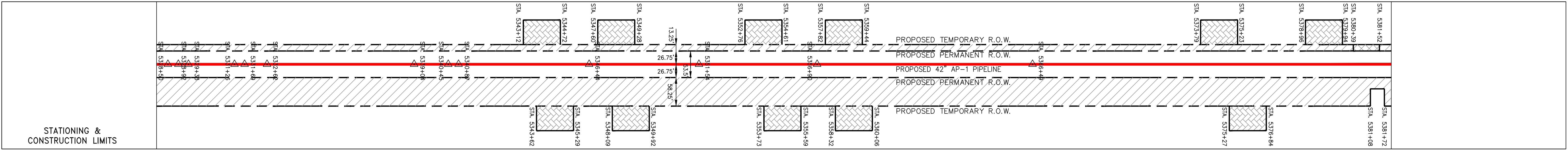
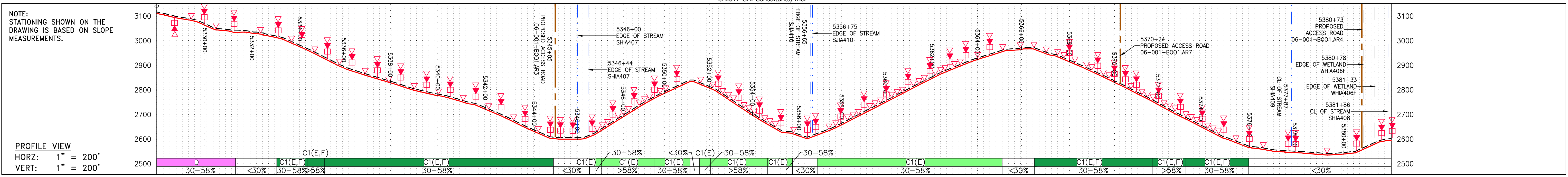
PROJECT NO./DASH NO.
 140468

TASK NO. SUB TASK NO.
 005 00

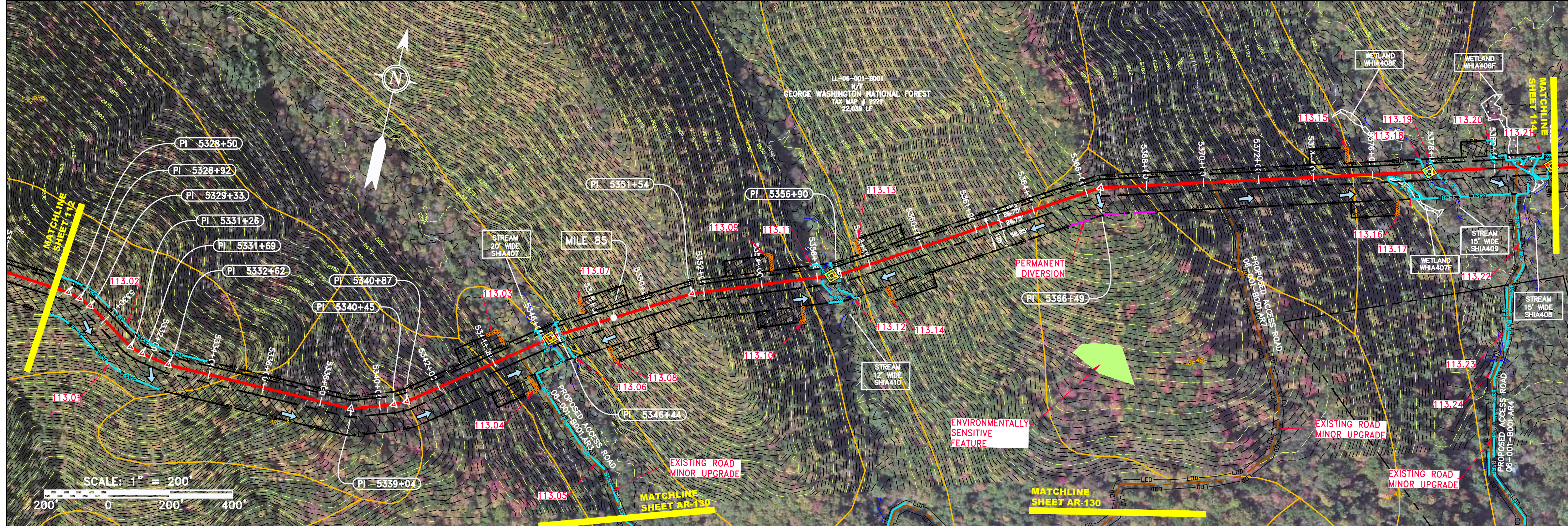
GROUP ID DRAWING NO.
 D E112

112 OF 344

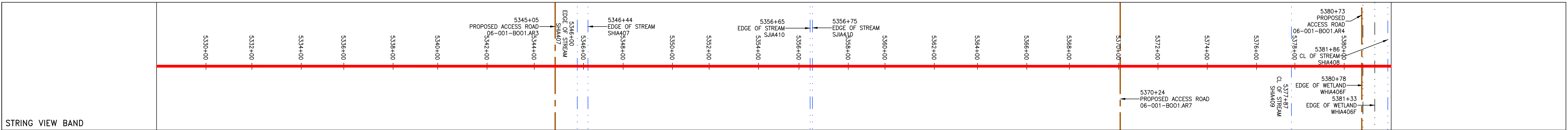
3/27/2017 11:04 AM



PROPERTY OWNERSHIP
 LL-06-001-8001
 GEORGE WASHINGTON NATIONAL FOREST
 TAX MAP # 7777
 22,039 LF



PIPE SPECIFICATION



LEGEND

--- PROPERTY LINE	--- STORM SEWER	--- EXTRA WORK SPACE	--- TOPSOIL SEGREGATION AREA
-X-X- FENCE	--- UNDERGROUND ELECTRIC	--- AREA OF NO DISTURBANCE	--- PROPOSED TEMPORARY R.O.W.
--- STREAM	--- WATER LINE	--- WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	--- UTILITY POLE
-G-G- EXISTING GAS PIPELINE	--- SANITARY SEWER	--- PROPOSED PERMANENT EASEMENT	--- PERMANENT WATERBAR/SLOPE BREAKER
-OH- OVERHEAD UTILITY LINES	--- EDGE OF GRAVEL	--- PROPOSED PERMANENT R.O.W.	--- TEMPORARY WATERBAR/SLOPE BREAKER
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT	--- PERMANENT WATERBAR/SLOPE BREAKER	--- TRENCH BREAKER/PLUG
--- PROPOSED GAS PIPELINE	--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)	--- STREAM CROSSING	--- STREAM CROSSING WITH ENHANCED CONTROLS
		--- USFWS STREAM CROSSING	--- SEEP
		--- CULVERT AS NEEDED	--- SLOPE DIRECTION
		--- CULVERT ENTRANCE WITH DITCH	--- CONSTRUCTION ENTRANCE WITH DITCH
		--- CULVERT/WATERBAR	--- CULVERT/WATERBAR

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. 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.
- 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.
- 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% SLOPES 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 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.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.	APPD.	DESCRIPTION

Daniel R. Goldstein
 Daniel R. Goldstein
 Lic. No. 047436
 PROFESSIONAL ENGINEER

ERM

CONSTRUCTION ALIGNMENT STA. 5328+00 TO 5382+00
 POCAHONTAS COUNTY, WEST VIRGINIA

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

SCALE: AS SHOWN
 DATE: 4/7/17
 DRAWN: NSD
 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

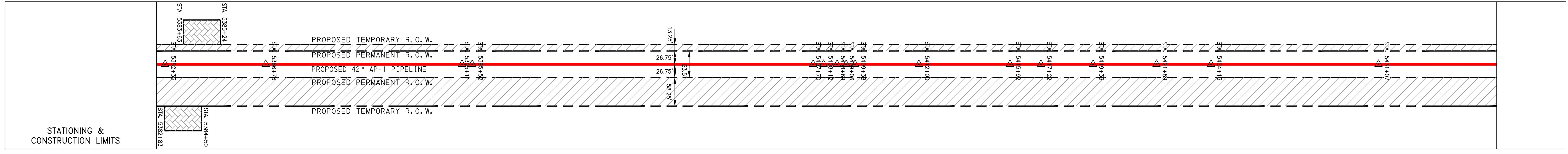
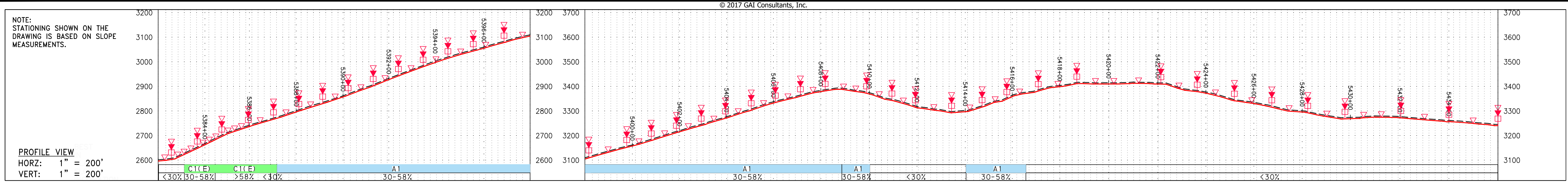
PROJECT NO./DASH NO.
 14048

TASK NO. SUB TASK NO.
 005 00

GROUP ID DRAWING NO.
 D E113

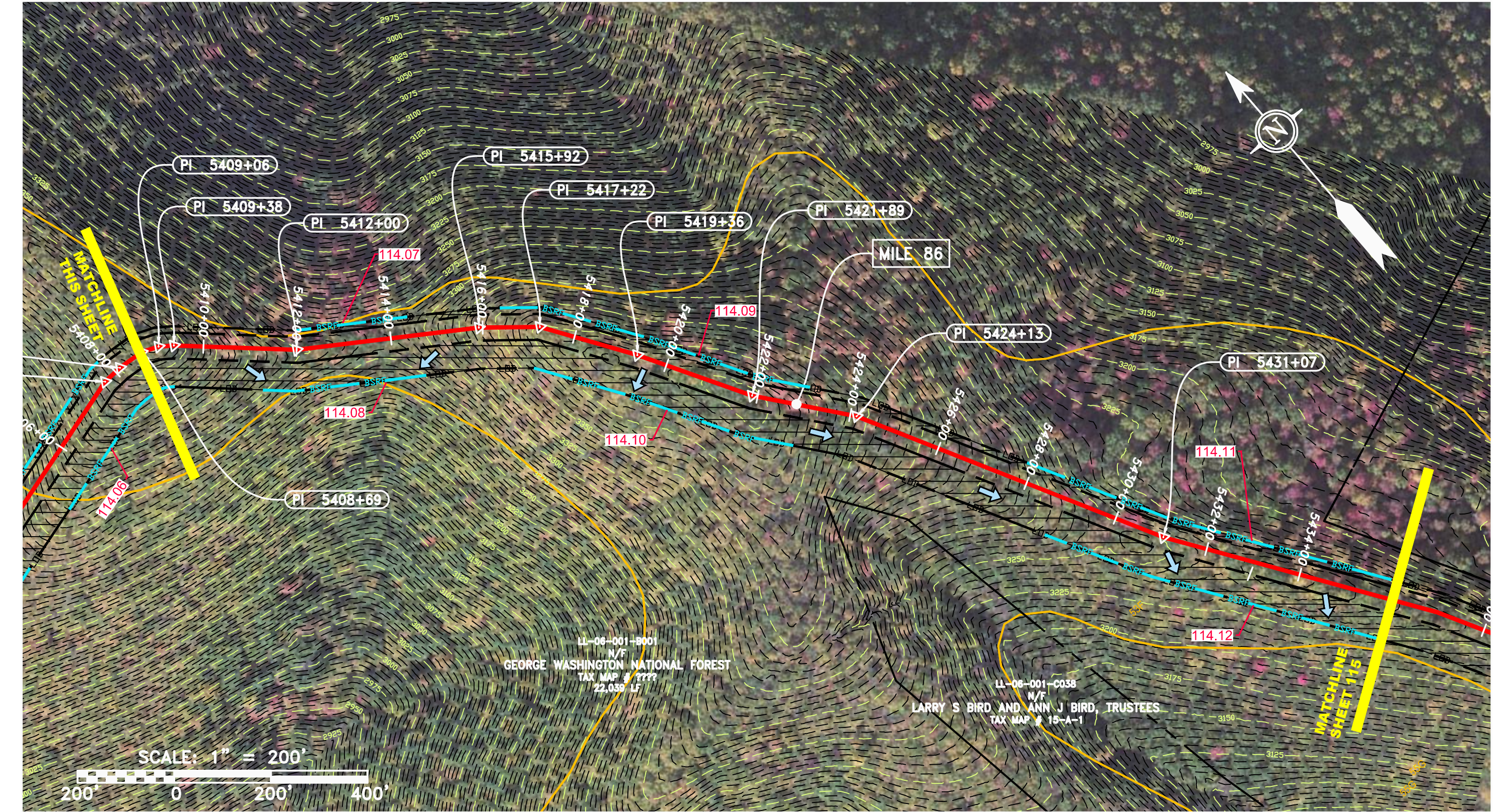
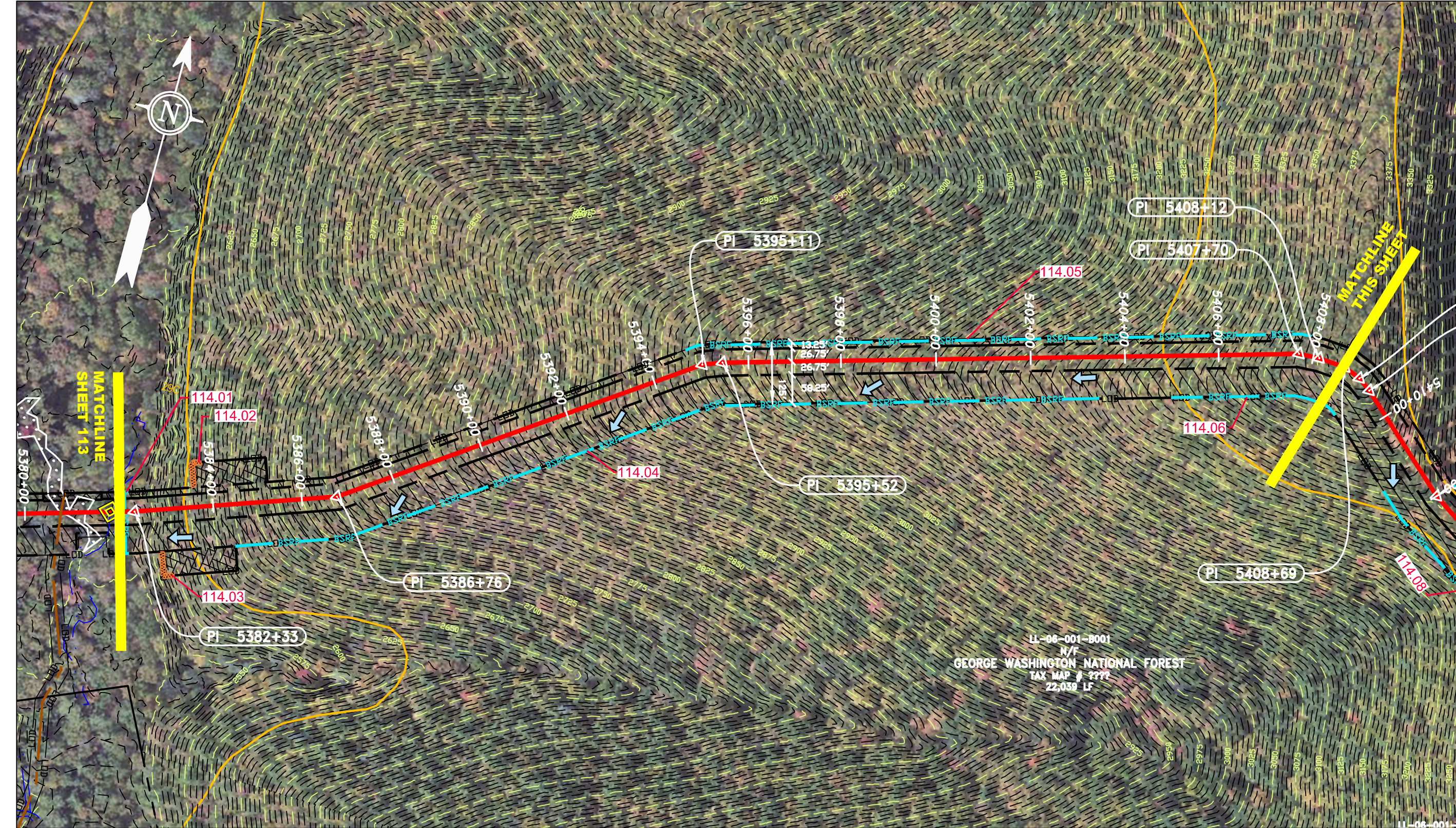
113 OF 344

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
N/F
GEORGE WASHINGTON NATIONAL FOREST
TAX MAP # 7777
22,039 LF

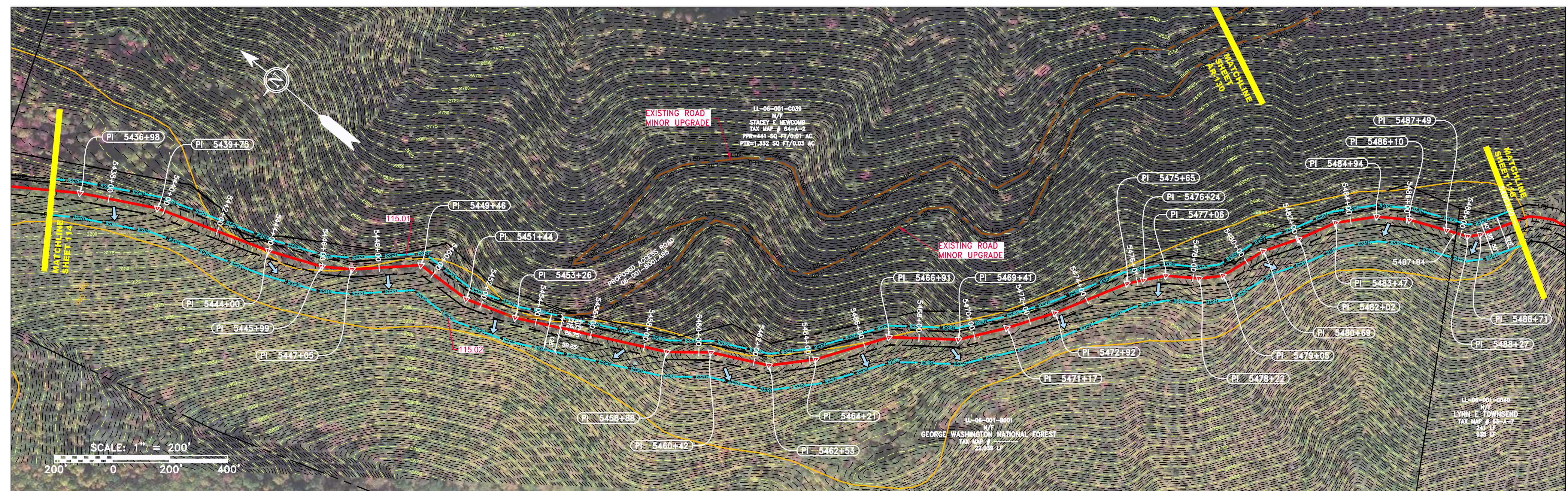
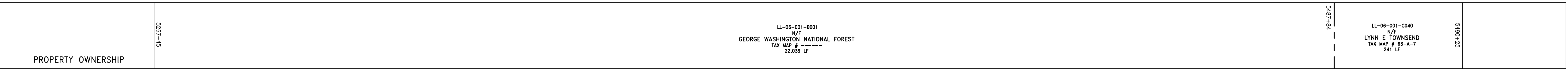
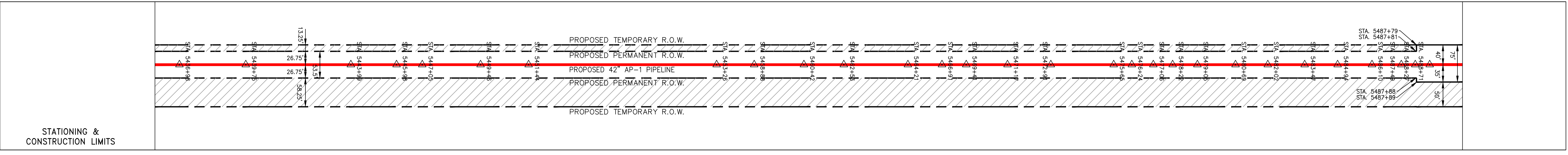
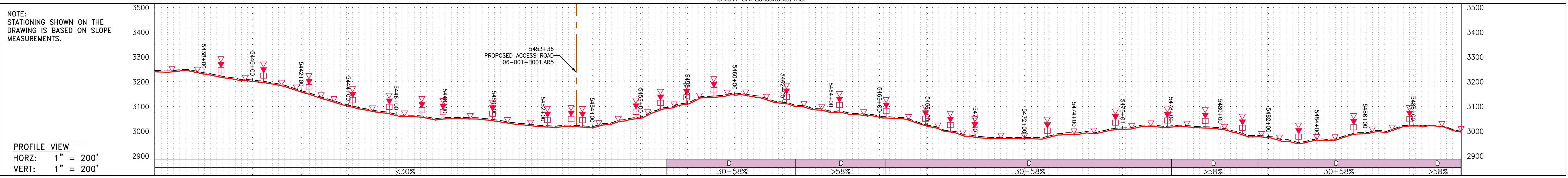


PIPE SPECIFICATION	
5384+00	5434+00

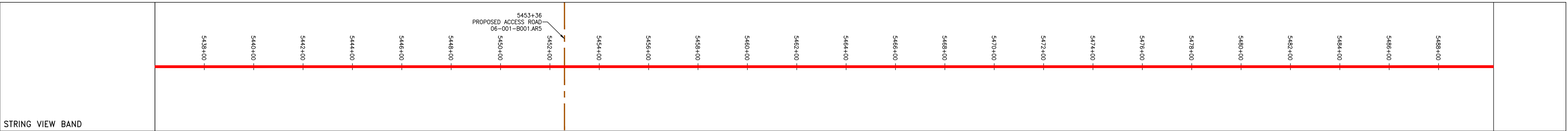
STRING VIEW BAND

<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 -E- UNDERGROUND ELECTRIC -W- WATER LINE -SAN- SANITARY SEWER - - - EDGE OF GRAVEL - - - PROPOSED PERMANENT EASEMENT - - - PROPOSED GAS PIPELINE (NO GROUND SURVEY) [Hatched Box] EXTRA WORK SPACE [Dotted Box] AREA OF NO DISTURBANCE [Green Box] WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) [Hatched Box] TOPSOIL SEGREGATION AREA [Hatched Box] PROPOSED TEMPORARY R.O.W. [Circle with Arrow] UTILITY POLE [Triangle with Arrow] PERMANENT WATERBAR/SLOPE BREAKER [Triangle with Arrow] TEMPORARY WATERBAR/SLOPE BREAKER [Triangle with Arrow] TRENCH BREAKER/PLUG [Circle with Arrow] STREAM CROSSING [Circle with Arrow] USFWS STREAM CROSSING WITH ENHANCED CONTROLS [Circle with Arrow] SEEP [Circle with Arrow] SLOPE DIRECTION [Circle with Arrow] CONSTRUCTION ENTRANCE WITH DITCH [Circle with Arrow] CULVERT AS NEEDED [Circle with Arrow] CULVERT/WATERBAR [Line] LIMIT OF DISTURBANCE [Line] BELTED SILT RETENTION FENCE (BSRF) [Line] COMPOST FILTER SOCK [Line] SEDIMENT BARRIER IDENTIFICATION [Line] CULVERT IDENTIFICATION [Line] ORANGE SAFETY FENCE [Line] ROADSIDE DITCH [Line] SOIL TYPE [Line] 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 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. BEST IN CLASS (BIC) 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 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.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.
---	---

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>CHKD.</th> <th>APPROV.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION						
NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION								
<p>ERM</p> <p>CONSTRUCTION ALIGNMENT STA. 5382+00 TO 5436+00 HIGHLAND COUNTY, VIRGINIA</p> <p>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330</p>													
<p>SCALE: AS SHOWN</p> <p>DATE: 3/31/17</p> <p>DRAWN: JMS</p> <p>CHECKED: DLH</p> <p>APPROVED: NET</p>													
<p>gai consultants</p> <p>SOUTHPOINT OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-673-3545</p>													
<p>mbe monah basin engineers</p> <p>300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433</p>													
<p>PROJECT NO./DASH NO. 140468</p> <p>TASK NO. SUB TASK NO. 005 00</p> <p>GROUP ID DRAWING NO. D E114</p> <p>114 OF 344</p>													



PIPE SPECIFICATION



<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 - W- WATER LINE - SAN- 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> LOD BSEI 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"> 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 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 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) STEEP SLOPE CATEGORY 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 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. 12. 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. 13. 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.
---	--	---	---	--

© 2017 GAI Consultants, Inc.

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

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
DATE: 3/29/17
DRAWN: NSD
CHECKED: DLH
APPROVED: NET

gai consultants

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

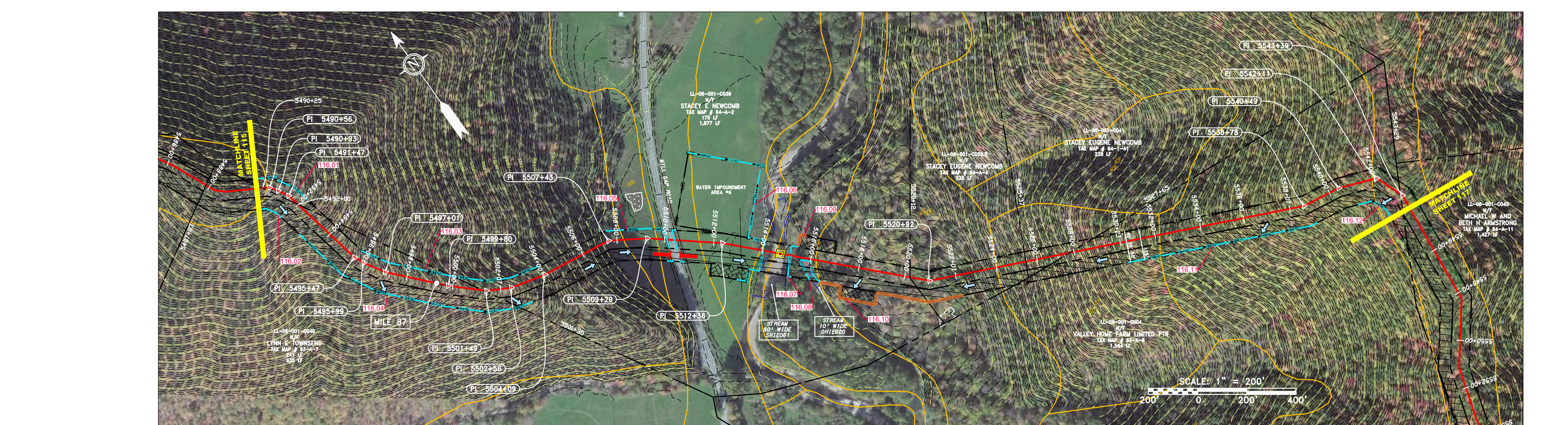
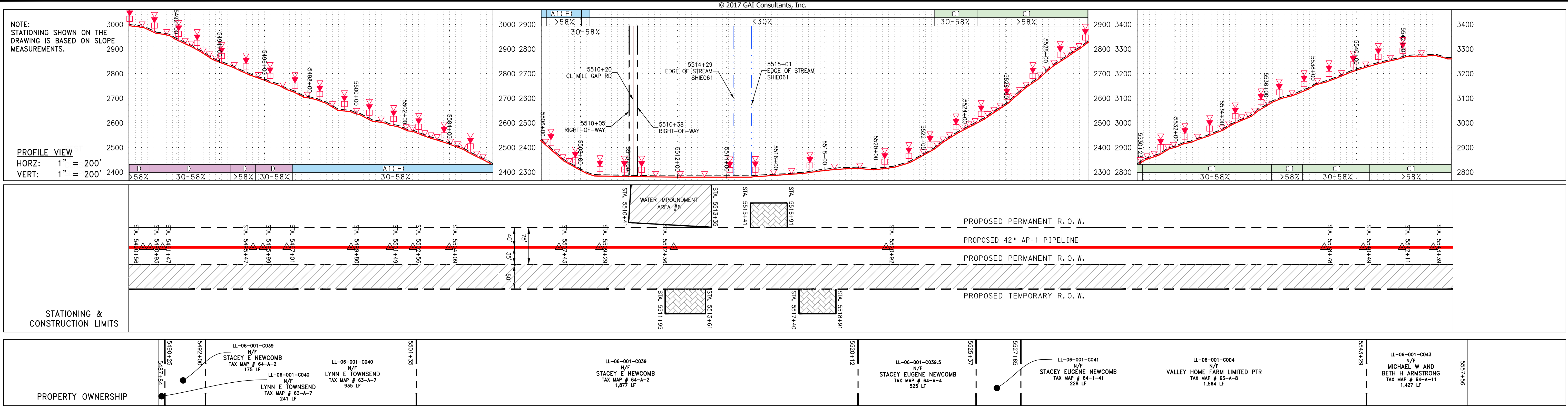
mbe
monaloh basin engineers

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	E115	
115	OF	344

3/29/2017 3:52 PM

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	5504+00
5490+05	5504+05
5490+10	5504+10
5490+15	5504+15
5490+20	5504+20
5490+25	5504+25
5490+30	5504+30
5490+35	5504+35
5490+40	5504+40
5490+45	5504+45
5490+50	5504+50
5490+55	5504+55
5490+60	5504+60
5490+65	5504+65
5490+70	5504+70
5490+75	5504+75
5490+80	5504+80
5490+85	5504+85
5490+90	5504+90
5490+95	5504+95
5500+00	5504+00
5500+05	5504+05
5500+10	5504+10
5500+15	5504+15
5500+20	5504+20
5500+25	5504+25
5500+30	5504+30
5500+35	5504+35
5500+40	5504+40
5500+45	5504+45
5500+50	5504+50
5500+55	5504+55
5500+60	5504+60
5500+65	5504+65
5500+70	5504+70
5500+75	5504+75
5500+80	5504+80
5500+85	5504+85
5500+90	5504+90
5500+95	5504+95
5510+00	5514+00
5510+05	5514+05
5510+10	5514+10
5510+15	5514+15
5510+20	5514+20
5510+25	5514+25
5510+30	5514+30
5510+35	5514+35
5510+40	5514+40
5510+45	5514+45
5510+50	5514+50
5510+55	5514+55
5510+60	5514+60
5510+65	5514+65
5510+70	5514+70
5510+75	5514+75
5510+80	5514+80
5510+85	5514+85
5510+90	5514+90
5510+95	5514+95
5520+00	5524+00
5520+05	5524+05
5520+10	5524+10
5520+15	5524+15
5520+20	5524+20
5520+25	5524+25
5520+30	5524+30
5520+35	5524+35
5520+40	5524+40
5520+45	5524+45
5520+50	5524+50
5520+55	5524+55
5520+60	5524+60
5520+65	5524+65
5520+70	5524+70
5520+75	5524+75
5520+80	5524+80
5520+85	5524+85
5520+90	5524+90
5520+95	5524+95
5530+00	5534+00
5530+05	5534+05
5530+10	5534+10
5530+15	5534+15
5530+20	5534+20
5530+25	5534+25
5530+30	5534+30
5530+35	5534+35
5530+40	5534+40
5530+45	5534+45
5530+50	5534+50
5530+55	5534+55
5530+60	5534+60
5530+65	5534+65
5530+70	5534+70
5530+75	5534+75
5530+80	5534+80
5530+85	5534+85
5530+90	5534+90
5530+95	5534+95

LEGEND	NOTES
--- PROPERTY LINE	1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
-X-X- FENCE	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.
--- STREAM	3. IMAGERY TAKEN FROM GOOGLE EARTH.
-G-G- EXISTING GAS PIPELINE	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.
-OH- OVERHEAD UTILITY LINES	5. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
-A-A- 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.
-A-A- PROPOSED GAS PIPELINE	7. ALL STATIONING SHOWN IS SLOPE STATIONING.
--- STORM SEWER	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.
--- UNDERGROUND ELECTRIC	9. EROSION CONTROL MATINGS SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND.
--- WATER LINE	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 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.
--- SANITARY SEWER	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.
--- EDGE OF GRAVEL	12. 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.
--- PROPOSED PERMANENT EASEMENT	13. 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.
--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)	
EXTRA WORK SPACE	LIMIT OF DISTURBANCE
AREA OF NO DISTURBANCE	BELTED SILT RETENTION FENCE (BSRF)
WETLAND	COMPOST FILTER SOCK IDENTIFICATION
TOPSOIL SEGREGATION AREA	CULVERT IDENTIFICATION
PROPOSED TEMPORARY R.O.W.	ORANGE SAFETY FENCE
UTILITY POLE	ROADSIDE DITCH
	SOIL TYPE
	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION

REVISIONS				
NO.	DATE	CHKD.	APPD.	DESCRIPTION

Daniel R. Goldstein
 DANIEL R. GOLDSTEIN
 Lic. No. 047436

ERM

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

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

SCALE: AS SHOWN
 DATE: 3/27/17
 DRAWN: JMS
 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

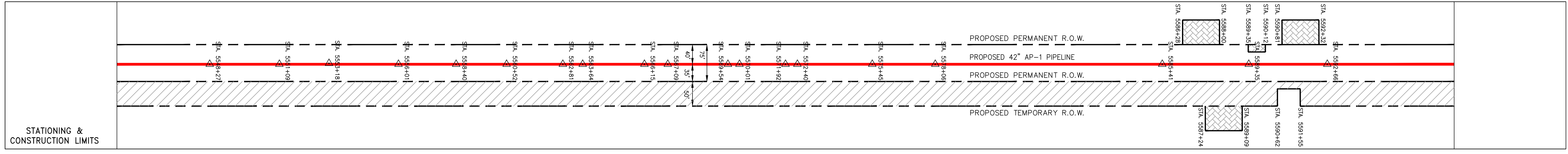
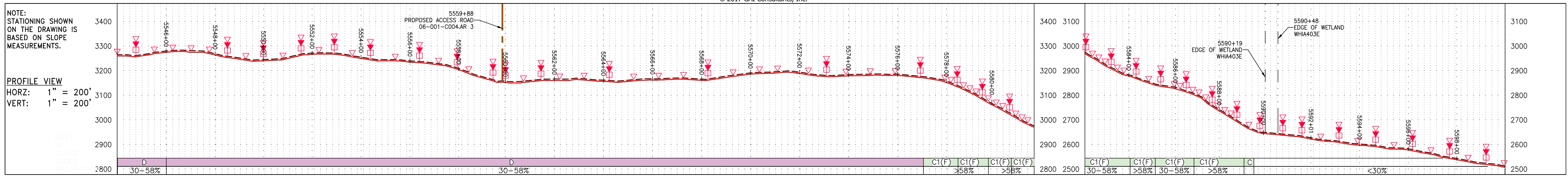
PROJECT NO./DASH NO.
 140468

TASK NO. SUB TASK NO.
 005 00

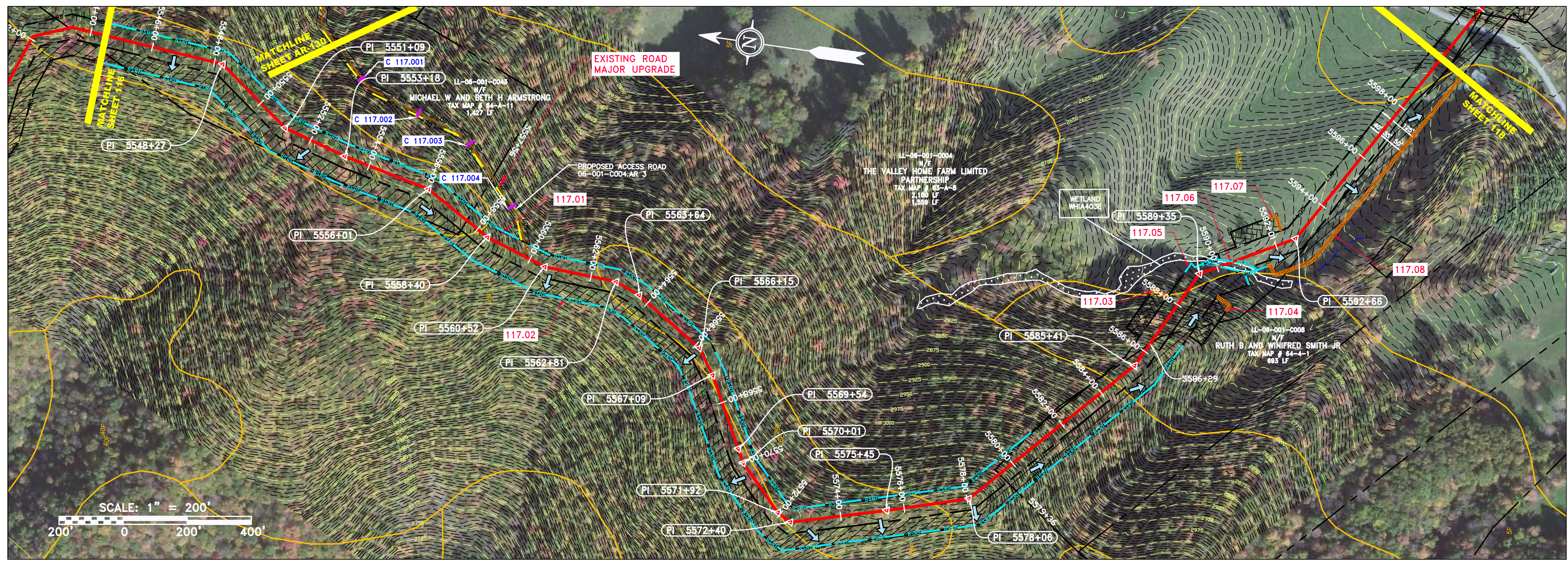
GROUP ID DRAWING NO.
 D E116

116 OF 344

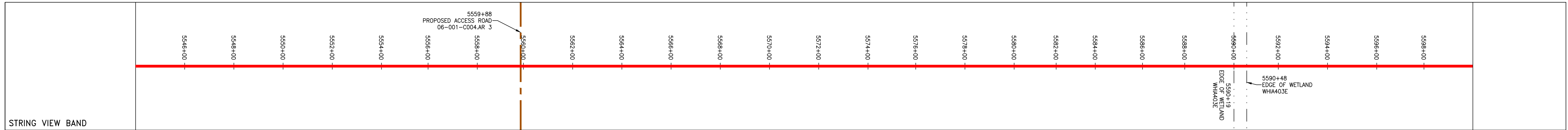
3/27/2017 11:57 AM



PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
5543+29	5543+29
LL-06-001-0043 N/F MICHAEL W AND BETH H ARMSTRONG TAX MAP # 64-A-11 1,427 LF	5551+09
5557+46	5557+46
LL-06-001-0004 N/F THE VALLEY HOME FARM LIMITED PARTNERSHIP TAX MAP # 63-A-8 2,180 LF	5572+40
5573+36	5573+36
LL-06-001-0008 N/F RUTH B AND WINIFRED SMITH JR TAX MAP # 64-4-1 693 LF	5589+00
5589+67	5589+67
LL-06-001-0004 N/F VALLEY HOME FARM LIMITED PTR TAX MAP # 63-A-8 1,589 LF	5591+09
5591+09	5591+09



PIPE SPECIFICATION



LEGEND

--- PROPERTY LINE	--- STORM SEWER	--- EXTRA WORK SPACE	--- TOPSOIL SEGREGATION AREA	▲ PERMANENT WATERBAR/SLOPE BREAKER	--- L00	--- LIMIT OF DISTURBANCE
-X-X- FENCE	--- UNDERGROUND ELECTRIC	--- AREA OF NO DISTURBANCE	--- PROPOSED TEMPORARY R.O.W.	▲ TEMPORARY WATERBAR/SLOPE BREAKER	--- B500	--- BELTED SILT RETENTION FENCE (BSRF)
--- STREAM	--- WATER LINE	--- WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	○ UTILITY POLE	▲ TRENCH BREAKER/PLUG	--- 111.03	--- COMPOST FILTER SOCK
--- EXISTING GAS PIPELINE	--- SANITARY SEWER	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL SHEET COMPLETED BY ERM (SEE NOTE 12).		▲ STREAM CROSSING	--- C 111.001	--- IDENTIFICATION
--- OVERHEAD UTILITY LINES	--- EDGE OF GRAVEL			▲ WITH ENHANCED CONTROLS	--- OH	--- CULVERT IDENTIFICATION
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT			▲ SLOPE	--- OH	--- ORANGE SAFETY FENCE
--- PROPOSED GAS PIPELINE	--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)			▲ CONSTRUCTION ENTRANCE WITH DITCH	--- OH	--- ROADSIDE DITCH
				▲ CULVERT AS NEEDED	--- OH	--- SOIL TYPE
				▲ CULVERT/WATERBAR	--- OH	--- 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 MATINGS 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 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE DRAINAGE FEATURES.
- 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.

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: 4/21/17
 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.	SUB TASK NO.
005	00

GROUP ID
 D

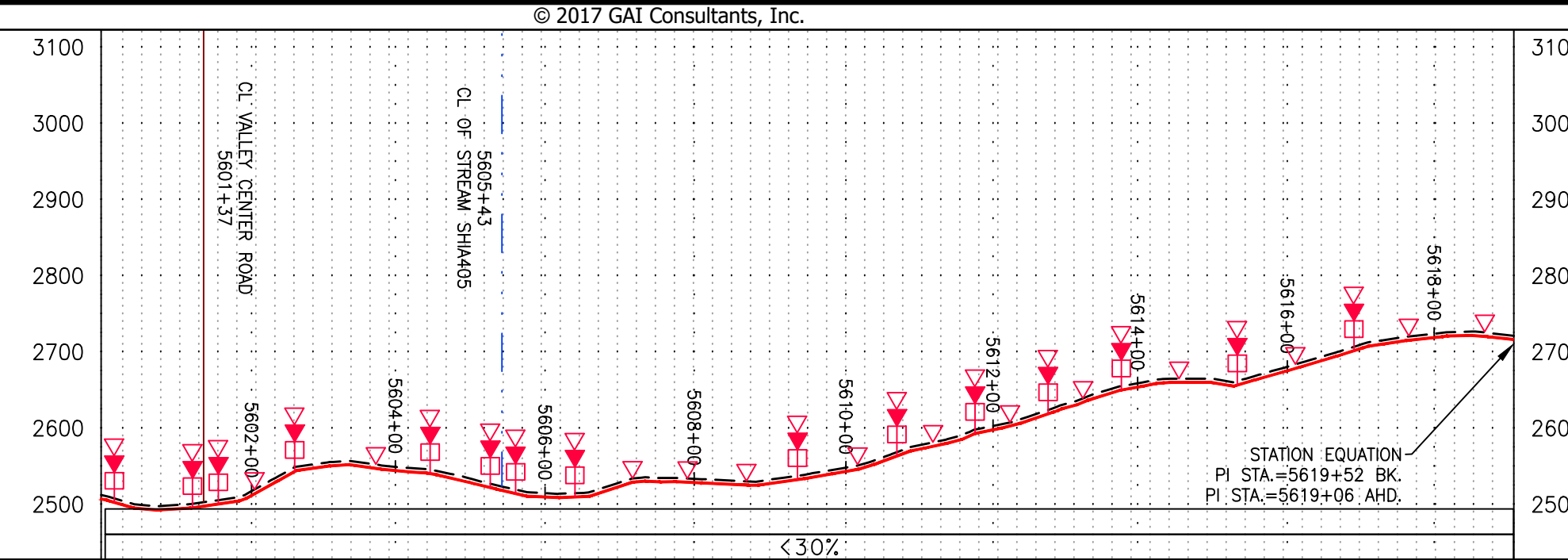
DRAWING NO.
 E117

117 OF 344

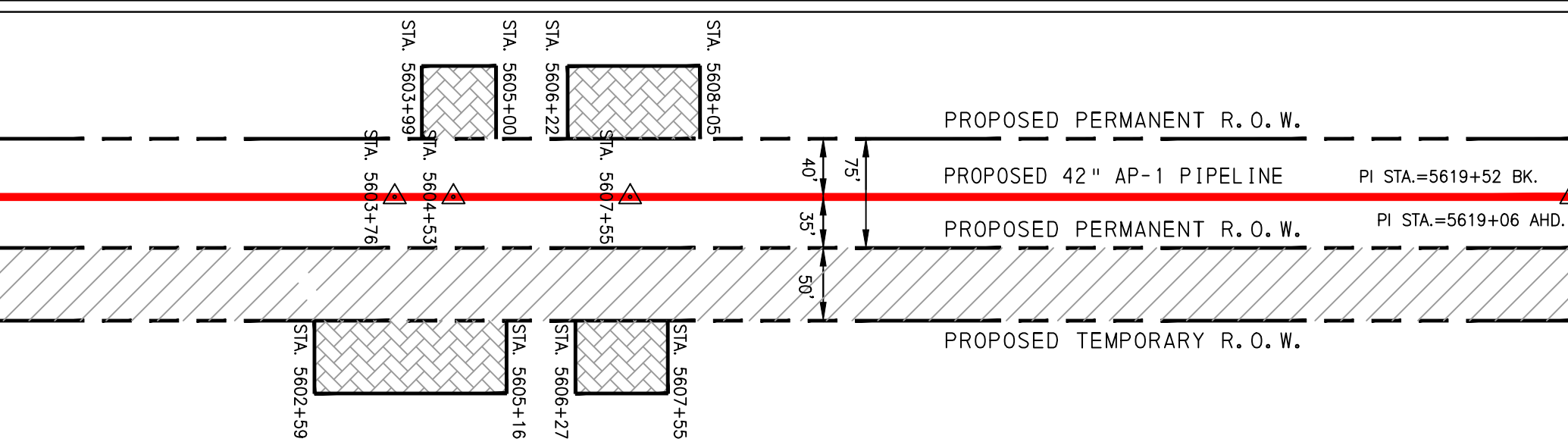
4/21/2017 11:27 AM

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

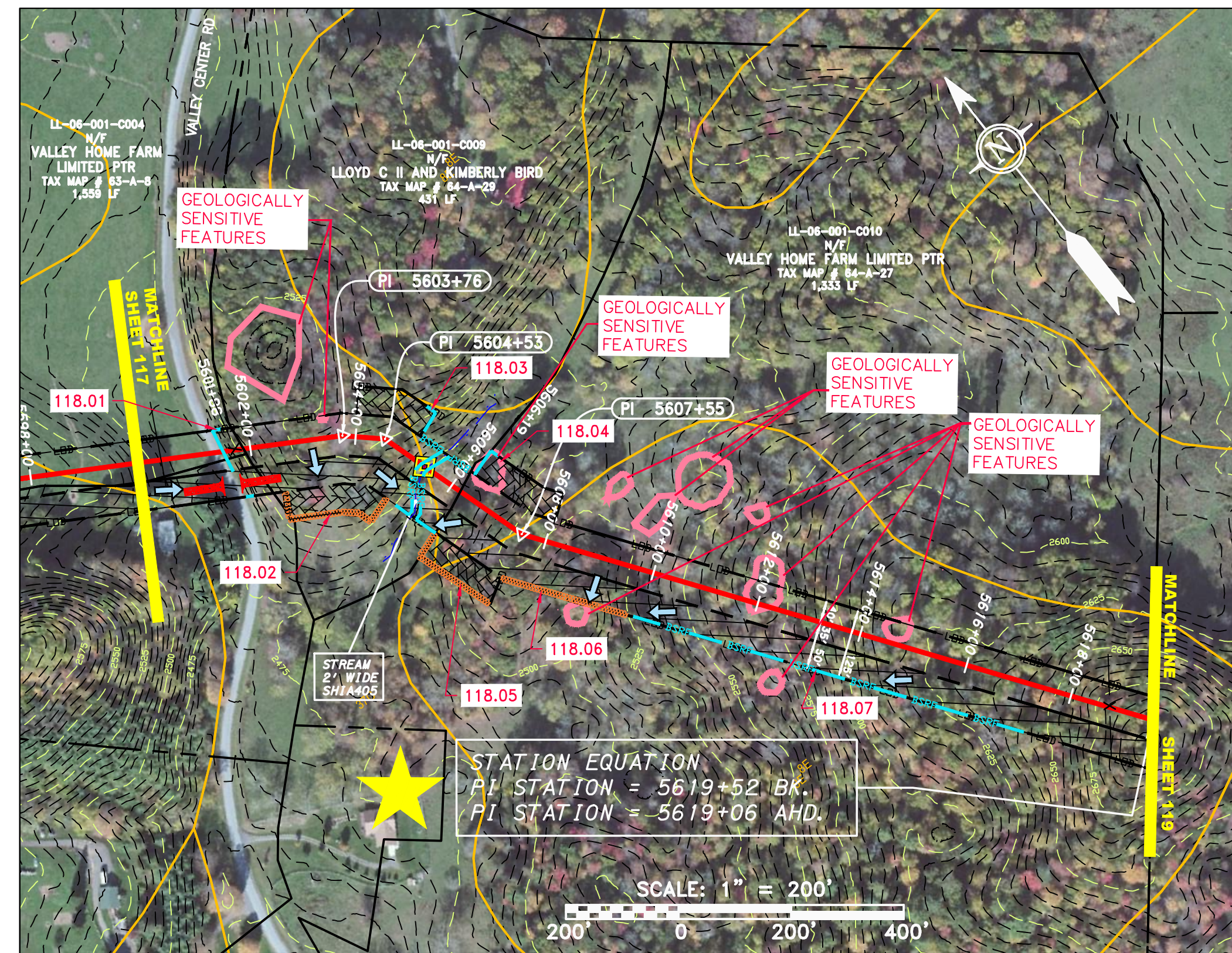
PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



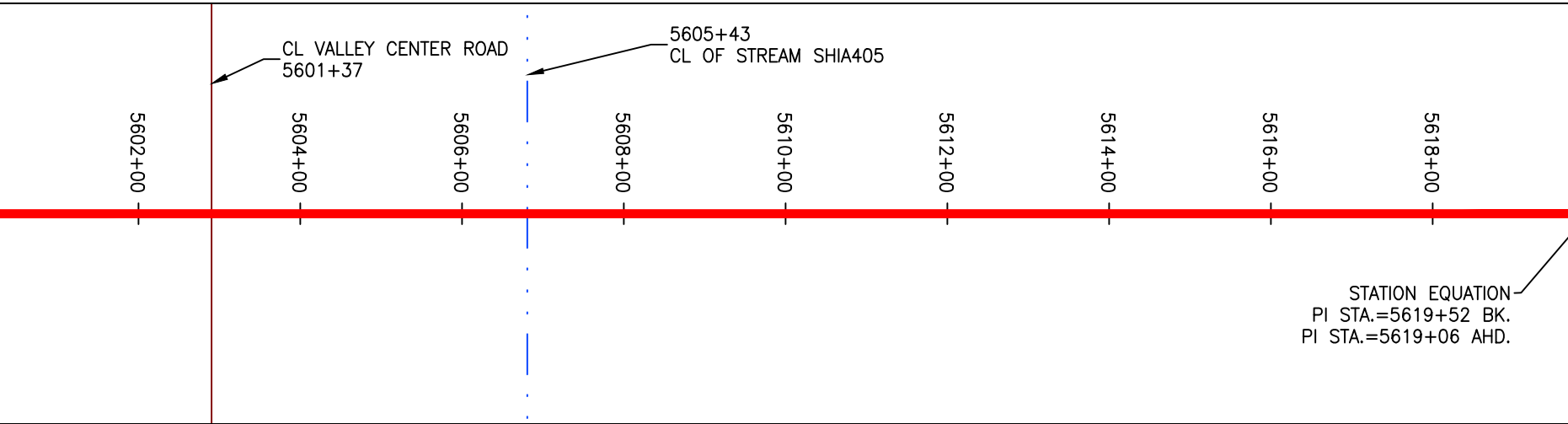
STATIONING &
CONSTRUCTION LIMITS



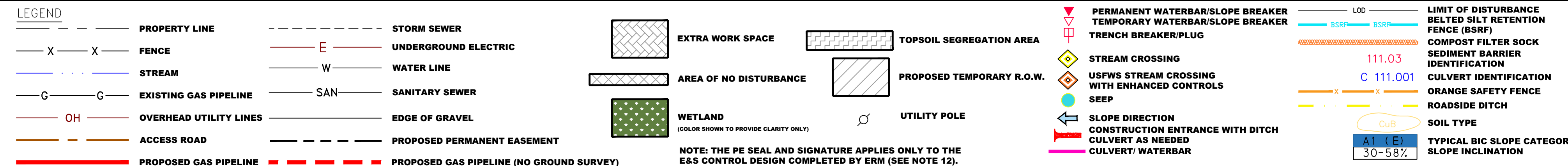
PROPERTY OWNERSHIP



PIPE SPECIFICATION

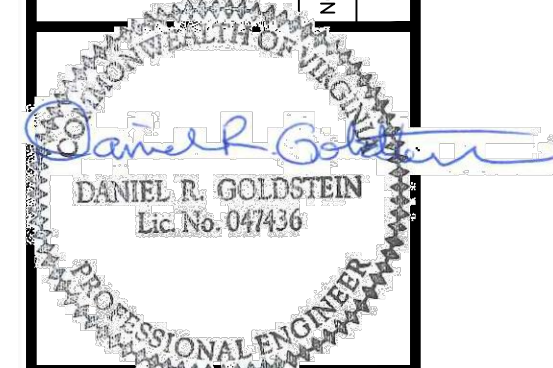


STRING VIEW BAND



- 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 SLOPES BAND.
 - ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE; DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
 - ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPS AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.
 - THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.4.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, 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.

NO.	DATE	CHKD.	APPD.	DESCRIPTION



42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA. 5600+00 TO 5619+52
POCAHONTAS COUNTY, WEST VIRGINIA

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

SCALE: AS SHOWN
DATE: 3/27/17
DRAWN: JMS
CHECKED: DLH
APPROVED: NET



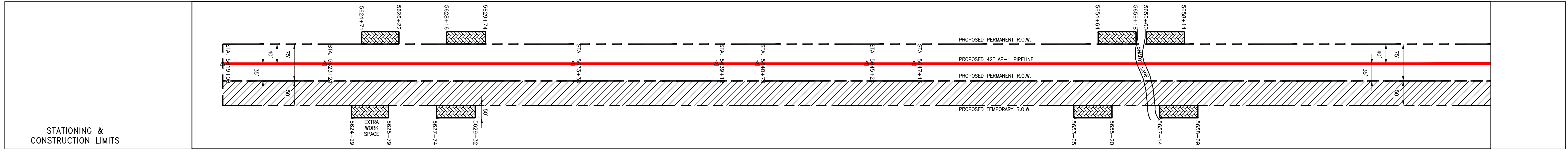
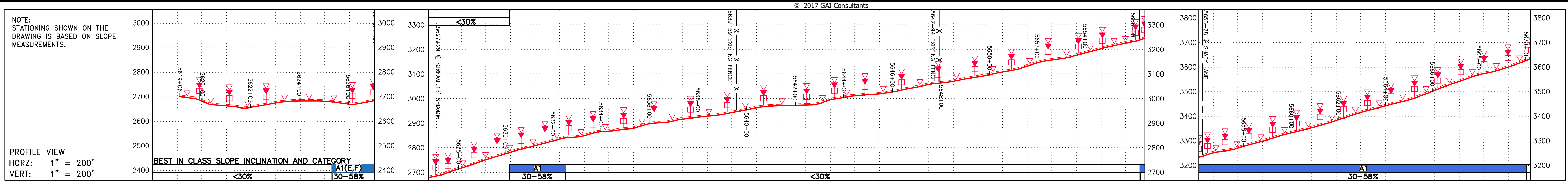
SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-273-3545



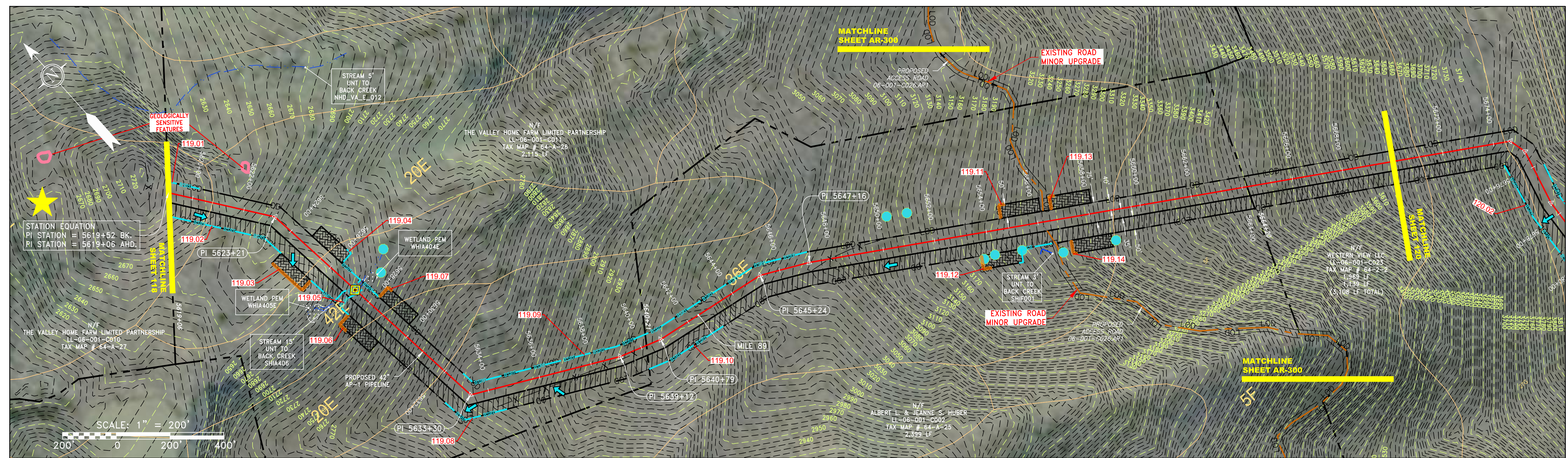
300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

PROJECT NO./DASH NO.	140468	
TASK NO.	SUB TASK NO.	
005	00	
GROUP ID	DRAWING NO.	
D	E118	
118	OF	344

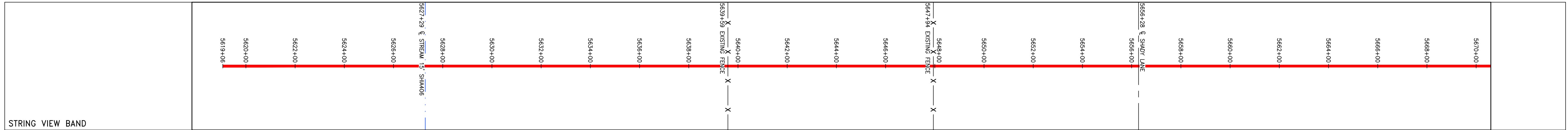
G:\CONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\C140468.00 - DOMINION - SOUTHEAST PIPE\CAD\MON FOREST\ROUTE\DWG_PREVIOUS FERC FILING DWGS_ALIGNMENT SHEETS\C140468-00-000-00-E-E119-E123.DWG



STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
STA 5619+00	N/F THE VALLEY HOME FARM LIMITED PARTNERSHIP LL-06-001-C010 TAX MAP # 64-A-27
STA 5623+00	N/F THE VALLEY HOME FARM LIMITED PARTNERSHIP LL-06-001-C011 TAX MAP # 64-A-26 2,115 LF
STA 5640+00	N/F ALBERT L. & JEANNE S. HUBER LL-06-001-C002 TAX MAP # 64-A-25 2,399 LF
STA 5664+00	N/F WESTERN VIEW LLC LL-06-001-C023 TAX MAP # 64-2-2 1,969 LF
STA 5670+00	



NOT TO SCALE
PIPE SPECIFICATION



<p>LEGEND</p> <ul style="list-style-type: none"> — PROPERTY LINE X X FENCE — STREAM G 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 — 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 	<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"> 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 	<p>NOTES:</p> <ol style="list-style-type: none"> 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 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. 9. EROSION CONTROL MEASURING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE 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 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. 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. 12. THE CONSTRUCTION RIGHT-OF-WAY 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

Daniel L. Goldstein
 Lic. No. 04746

ERM

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

gai consultants

SOUTHPONTE 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

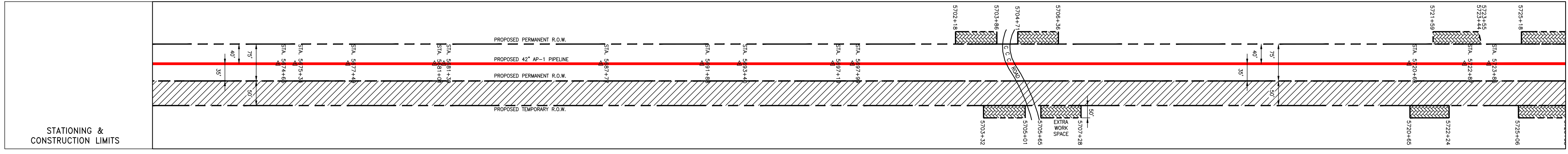
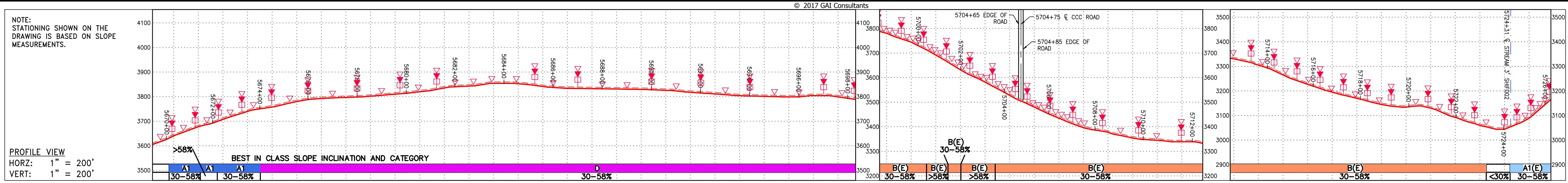
PROJECT NO./DASH NO.
140468

TASK NO.	SUB TASK NO.
005	00

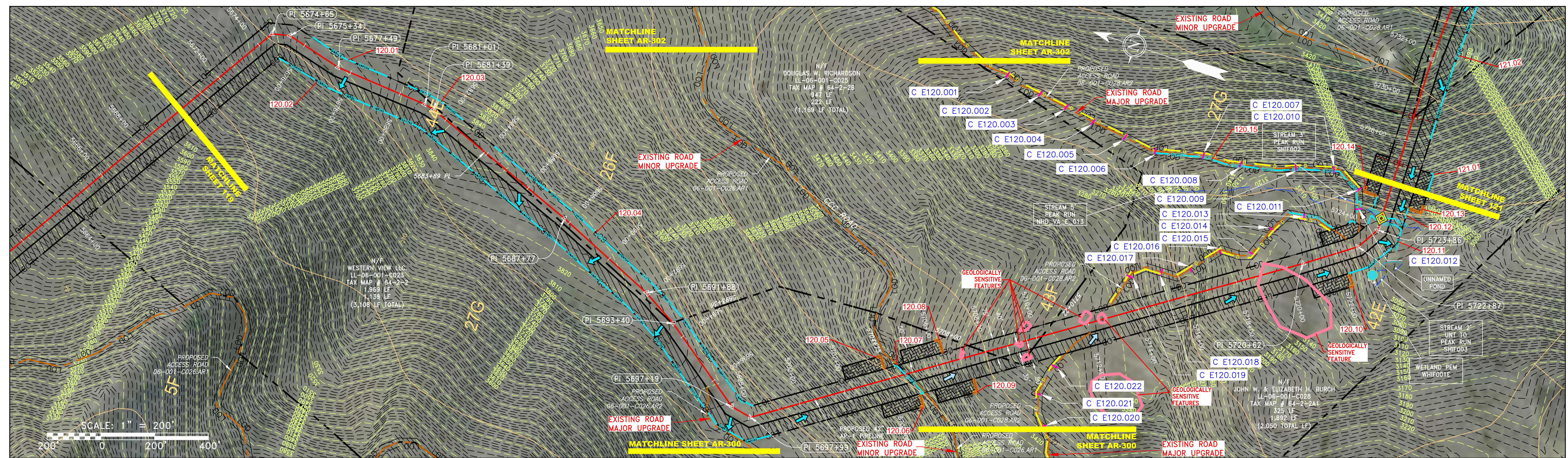
GROUP ID DRAWING NO.
D E119

119 OF 344

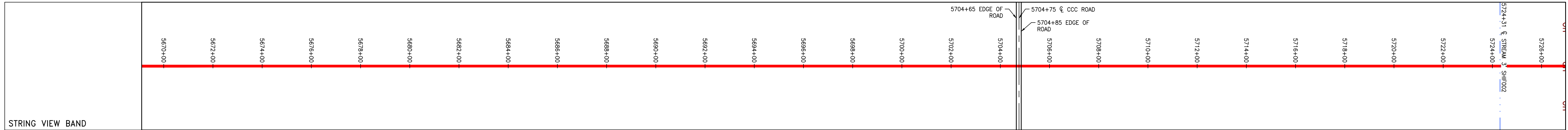
\\GAICONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\C140468.00 - DOMINION - SOUTHEAST PIPE\CAD\MON FOREST\REROUTE\DWG - PREVIOUS FERC FILING DWGS - ALIGNMENT SHEETS\C140468-00-000-E-119-E123.DWG



PROPERTY OWNERSHIP table listing owners such as WESTERN VIEW LLC, DOUGLAS W. RICHARDSON, JOHN W. & ELIZABETH H. BURCH, and DOUGLAS W. RICHARDSON with their respective tax maps and acreages.



NOT TO SCALE
PIPE SPECIFICATION



LEGEND section with symbols for 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, UTILITY POLE, TOPSOIL SEGREGATION AREA, PROPOSED TEMPORARY R.O.W., 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.

NOTES: 1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY... 2. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA... 3. IMAGERY TAKEN FROM GOOGLE EARTH... 4. THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS... 5. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM... 6. BEST IN CLASS (BIC) SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN... 7. ALL STATIONING SHOWN IS SLOPE STATIONING... 8. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE... 9. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY... 10. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES... 11. ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs... 12. DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET... 13. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS...

REVISIONS table with columns for NO., DATE, DWN., APPD., and DESCRIPTION.

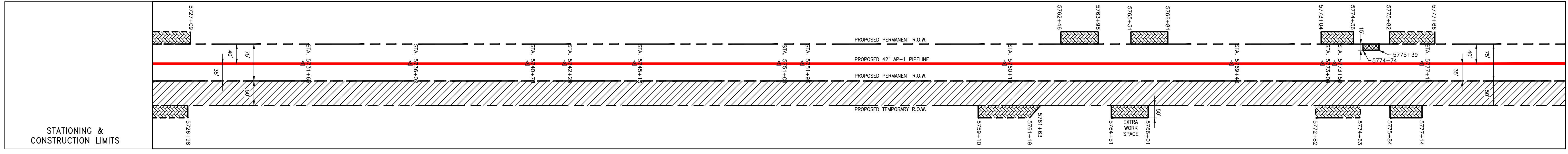
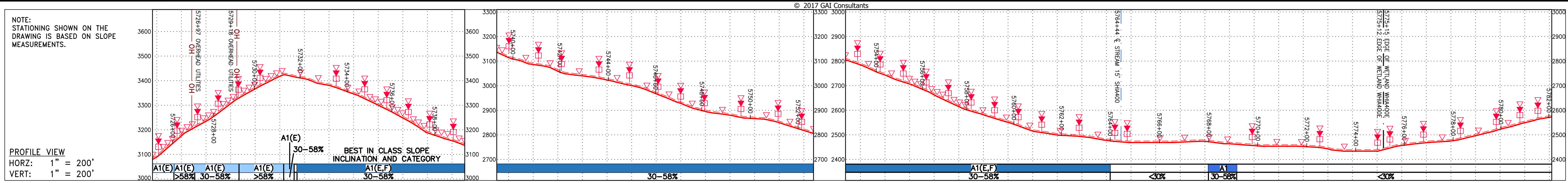
42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 5670+00 TO 5726+00
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN
DATE: 4/26/17
DRAWN: STM
CHECKED: DLH
APPROVED: NET

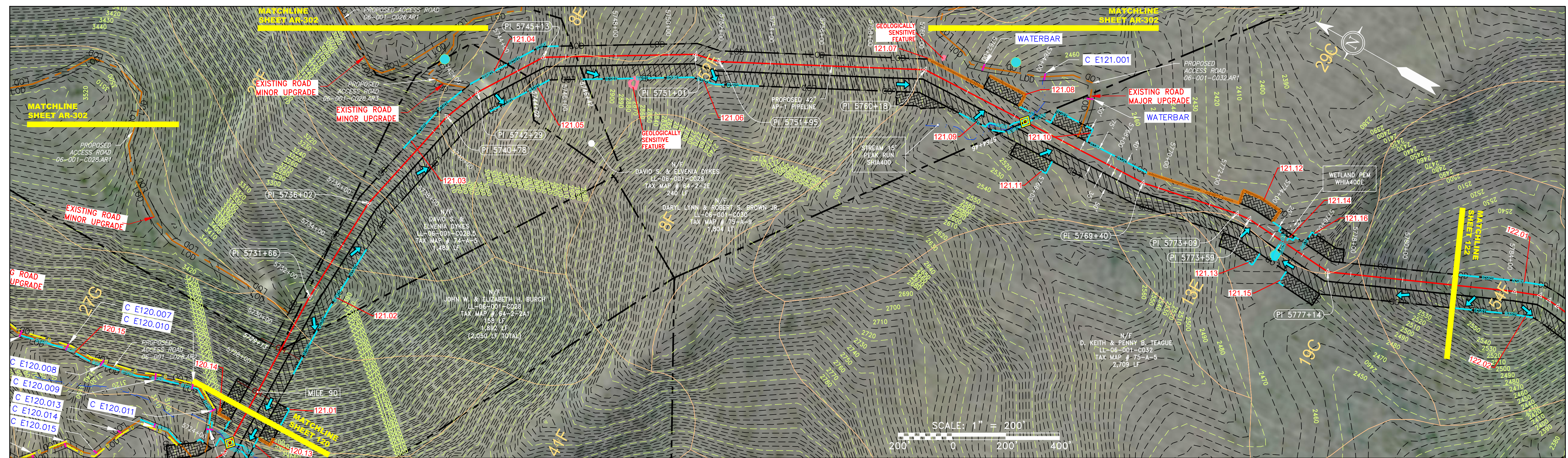
gai consultants
SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
SUITE 300 EAST
CANONSBURG, PA 15317
724-873-3545

mbe monaloh basin engineers
300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433
PROJECT NO./DASH NO. 140468
TASK NO. 005 SUB TASK NO. 00
GROUP ID D DRAWING NO. E120
120 OF 344

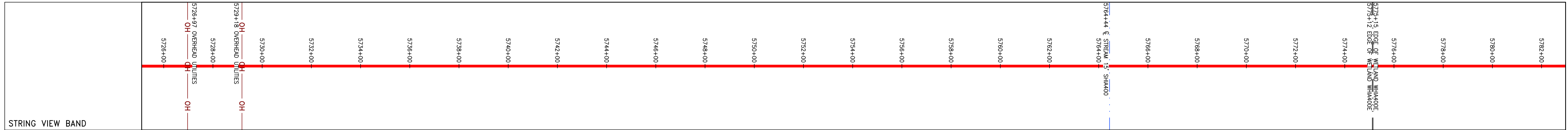
\\GAICONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\C140468.00 - DOMINION - SOUTHEAST PIPE\CAD\MON FOREST ROUTE\DWG_PREVIOUS FERC FILING DWGS_ALIGNMENT SHEETS\C140468-00-00-E-E119-E123.DWG



PROPERTY OWNERSHIP table listing landowners: JOHN W. & ELIZABETH H. BURCH, DAVID S. & ELVENA DYKES, DAVID S. & ELVENA DYKES, DARYL LYNN & ROBERT S. BROWN JR., and D. KEITH & PENNY B. TEAGUE, including their respective tax maps and acreages.



NOT TO SCALE
PIPE SPECIFICATION



LEGEND and NOTES section containing symbols for property lines, fences, streams, gas pipelines, overhead utilities, storm sewers, water lines, sanitary sewers, edge of gravel, proposed permanent easement, proposed gas pipeline, permanent waterbar/slope breaker, temporary waterbar/slope breaker, trench breaker/plug, stream crossing, USFWS stream crossing, seep, slope direction, construction entrance, culvert, limit of disturbance, belted silt retention fence, compost filter sock, sediment identification, culvert identification, orange safety fence, roadside ditch, soil type, and typical bic slope category slope inclination.

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

Professional Engineer seal for Daniel L. Goldstein, License No. 067430, and ERM logo.

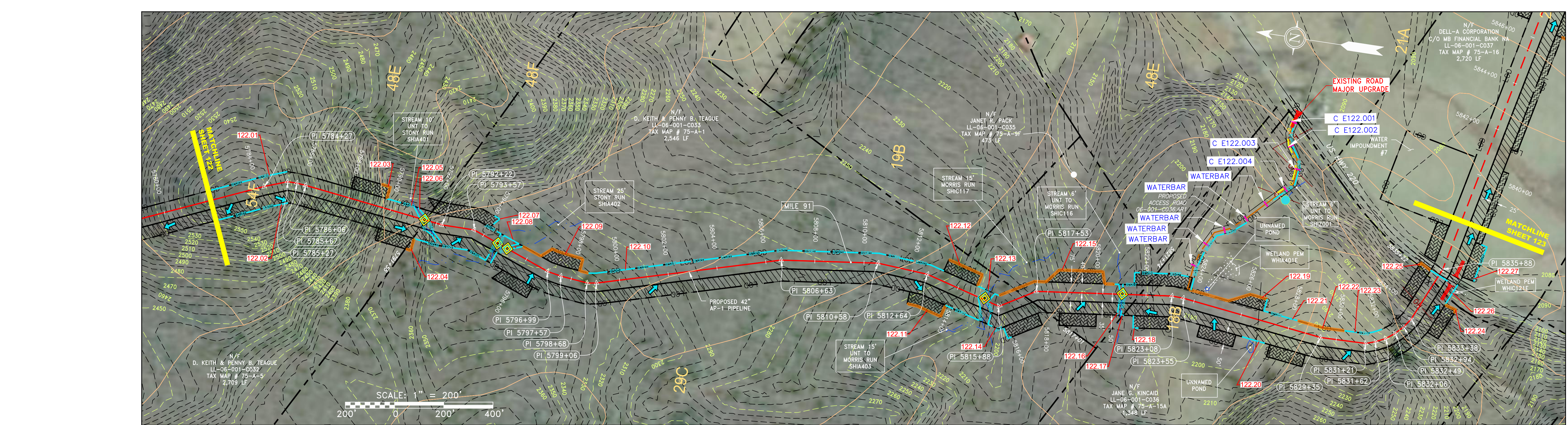
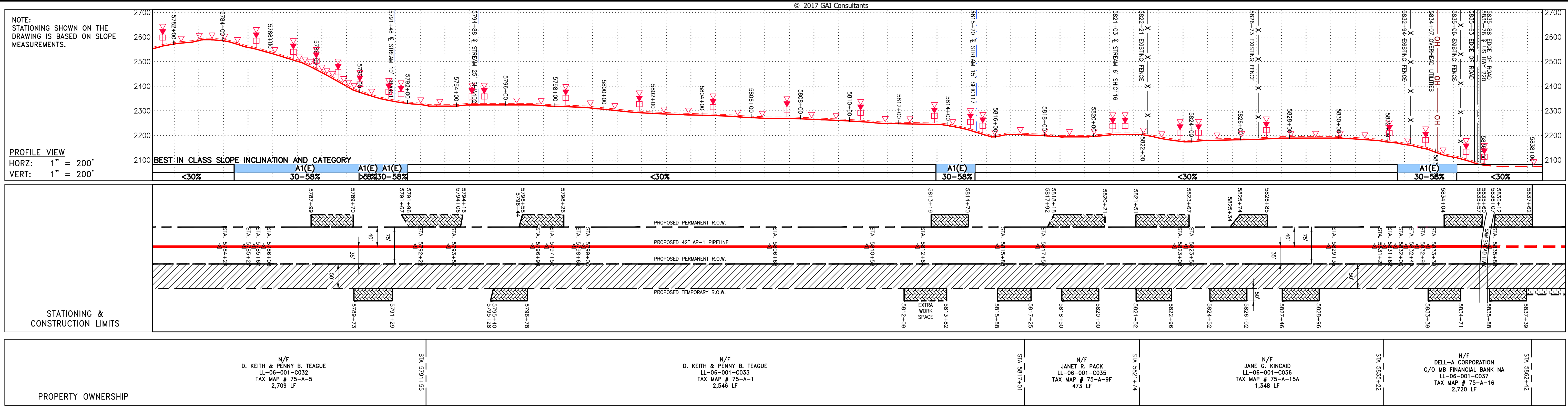
SCALE: AS SHOWN
DATE: 4/26/17
DRAWN: STM
CHECKED: DLH
APPROVED: NET

gai consultants logo and address: 6000 TOWN CENTER BLVD., SUITE 300 EAST, CANONSBURG, PA 15317

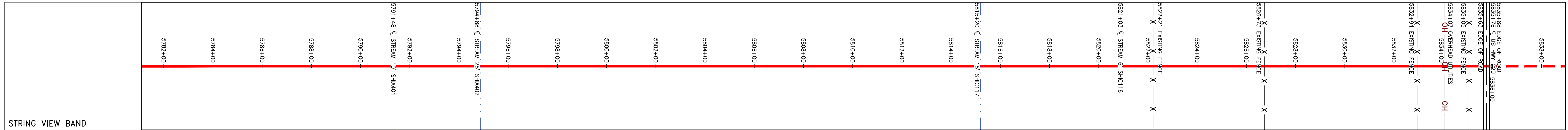
mbe monaloh basin engineers logo and address: 300 BUSINESS CENTER DRIVE, PITTSBURGH, PA 15205

PROJECT NO./DASH NO. 140468
TASK NO. 005 SUB TASK NO. 00
GROUP ID D DRAWING NO. E121
121 OF 344

G:\CONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\C140468.00 - DOMINION - SOUTHEAST PIPE CAD\MON FOREST REROUTE\DWG - ALIGNMENT SHEETS\C140468-00-000-E-E119-E123.DWG



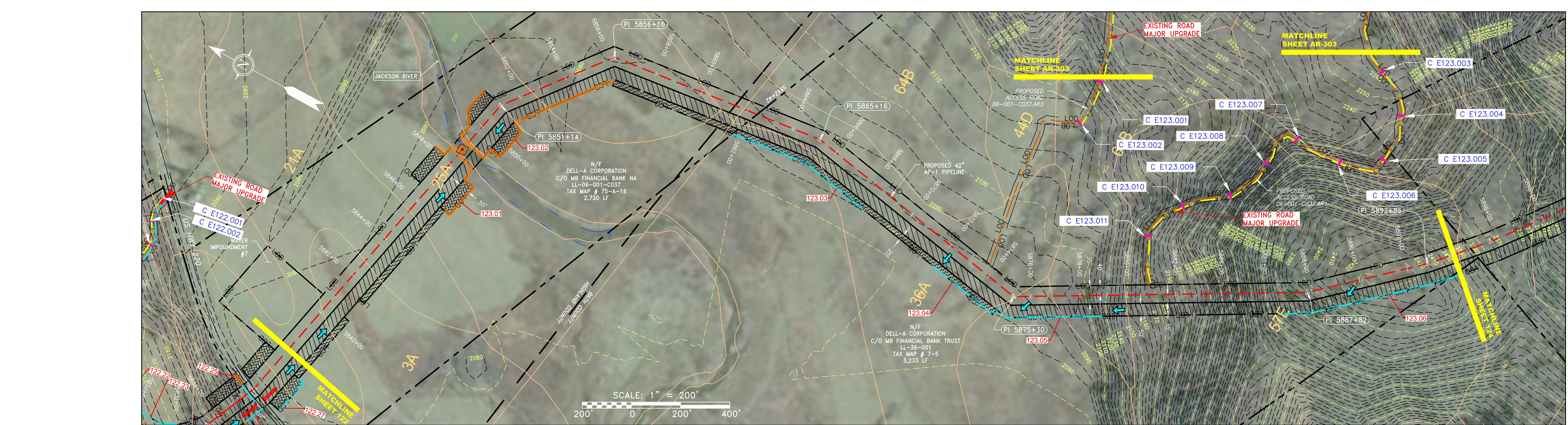
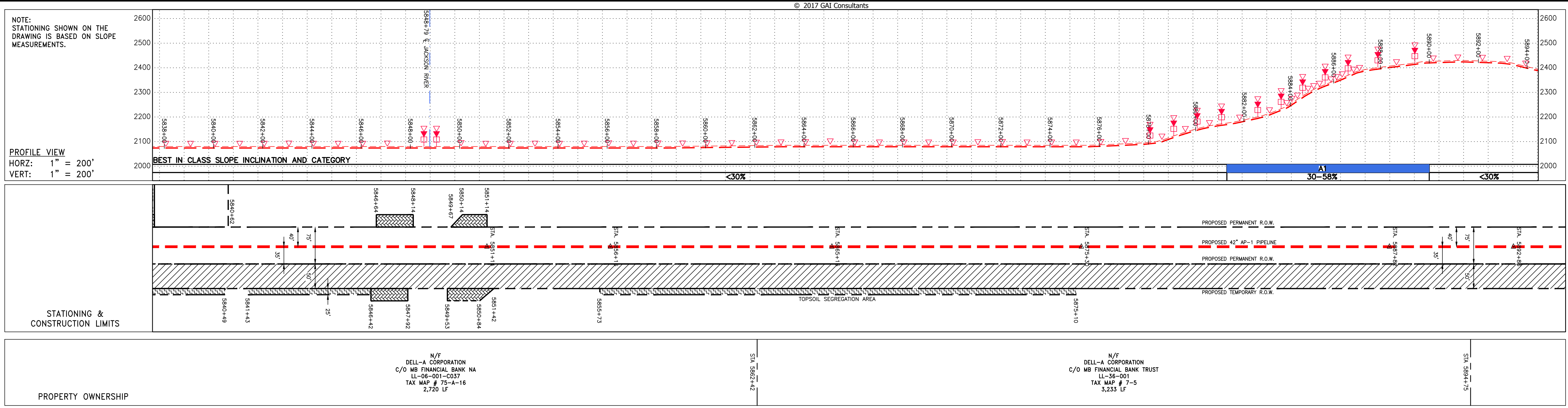
NOT TO SCALE
PIPE SPECIFICATION



<p>LEGEND</p> <ul style="list-style-type: none"> — PROPERTY LINE X X FENCE — STREAM G EXISTING GAS PIPELINE OH OVERHEAD UTILITY LINES — ACCESS ROAD — PROPOSED GAS PIPELINE — PROPOSED PERMANENT EASEMENT — PROPOSED GAS PIPELINE (NO GROUND SURVEY) — STORM SEWER — UNDERGROUND ELECTRIC — WATER LINE — SANITARY SEWER — EDGE OF GRAVEL — 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 CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. 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 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.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.
--	--

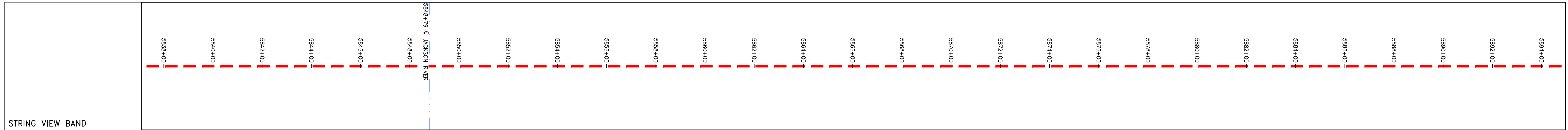
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>CHKD.</th> <th>APPD.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION						
NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION								
<p> </p>													
<p> </p>													
<p> 42" AP-1 PIPELINE CONSTRUCTION ALIGNMENT STA 5782+00 TO 5838+00 HIGHLAND COUNTY, VIRGINIA </p>													
<p> ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330 </p>													
<p>SCALE: AS SHOWN</p> <p>DATE: 4/26/17</p> <p>DRAWN: STM</p> <p>CHECKED: DLH</p> <p>APPROVED: NET</p>	<p> </p> <p> SOUTHPONTE OFFICE 6000 TOWN CENTER BLVD. SUITE 300 EAST CANONSBURG, PA 15317 724-873-3545 </p> <p> </p> <p> 300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433 </p>												
<p>PROJECT NO./DASH NO.</p> <p>140468</p>	<p>TASK NO. SUB TASK NO.</p> <p>005 00</p>												
<p>GROUP ID DRAWING NO.</p> <p>D E122</p>	<p>122 OF 344</p>												

G:\CONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\C140468.00 - DOMINION - SOUTHEAST PIPE\CAD\MON FOREST REROUTE\DWG_ALIGNMENT SHEETS\C140468-00-000-00-E-119-E123.DWG



NOT TO SCALE

PIPE SPECIFICATION



LEGEND

— X — X —	FENCE	— E —	STORM SEWER	— W —	UNDERGROUND ELECTRIC	— G —	EXISTING GAS PIPELINE	— OH —	OVERHEAD UTILITY LINES	— A —	ACCESS ROAD	— P —	PROPOSED GAS PIPELINE	— P —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	— S —	SANITARY SEWER	— E —	EDGE OF GRAVEL	— P —	PROPOSED PERMANENT EASEMENT	— S —	SANITARY SEWER	— E —	EDGE OF GRAVEL	— P —	PROPOSED PERMANENT EASEMENT	— S —	SANITARY SEWER	— E —	EDGE OF GRAVEL	— P —	PROPOSED PERMANENT EASEMENT
— X — X —	FENCE	— E —	STORM SEWER	— W —	UNDERGROUND ELECTRIC	— G —	EXISTING GAS PIPELINE	— OH —	OVERHEAD UTILITY LINES	— A —	ACCESS ROAD	— P —	PROPOSED GAS PIPELINE	— P —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	— S —	SANITARY SEWER	— E —	EDGE OF GRAVEL	— P —	PROPOSED PERMANENT EASEMENT	— S —	SANITARY SEWER	— E —	EDGE OF GRAVEL	— P —	PROPOSED PERMANENT EASEMENT	— S —	SANITARY SEWER	— E —	EDGE OF GRAVEL	— P —	PROPOSED PERMANENT EASEMENT

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 PLAN.
- 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 SEDIMENTATION 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 BICMS 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.

REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

PROJECT INFORMATION

PROJECT NO./DASH NO. **140468**

TASK NO. **005** SUB TASK NO. **00**

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

123 OF 344

CONSTRUCTION ALIGNMENT STA 5838+00 TO 5894+00

42" AP-1 PIPELINE

HIGHLAND & BATH COUNTIES, VIRGINIA

ATLANTIC COAST PIPELINE, LLC

C/O DOMINION TRANSMISSION, INC.

925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

ERM

SCALE: AS SHOWN

DATE: 4/26/17

DRAWN: STM

CHECKED: DLH

APPROVED: NET

gai consultants

SOUTHPOINT 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

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