

NO.	DATE	CHKD.	APPD.	DESCRIPTION

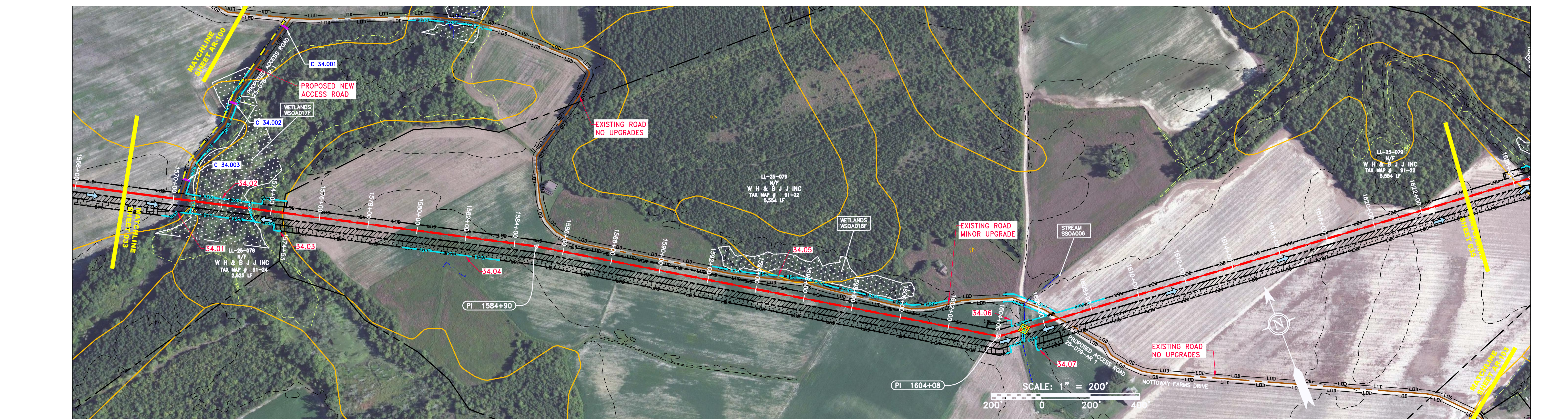
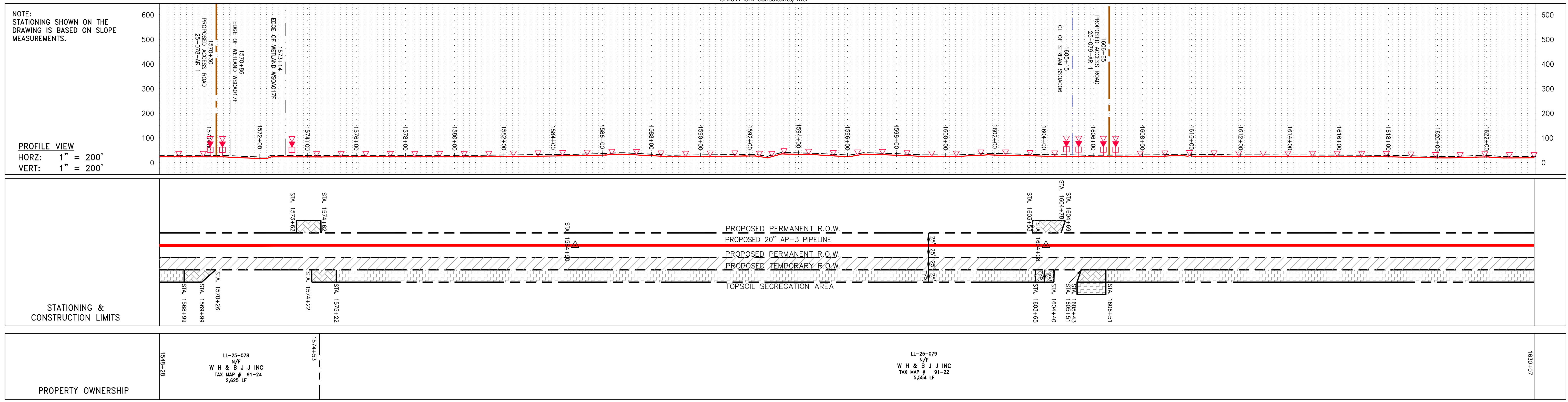
Atlantic Coast Pipeline, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN
 DATE: 4/21/17
 DRAWN: GOS
 CHECKED: DLH
 APPROVED: NET

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

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

PROJECT NO./DASH NO. 140468
 TASK NO. SUB TASK NO. 005 00
 GROUP ID DRAWING NO. D E033
 033 OF 84



PIPE SPECIFICATION

STRING VIEW BAND

<p>LEGEND</p> <ul style="list-style-type: none"> PROPERTY LINE FENCE STREAM EXISTING GAS PIPELINE OVERHEAD UTILITY LINES ACCESS ROAD PROPOSED GAS PIPELINE 	<ul style="list-style-type: none"> STORM SEWER UNDERGROUND ELECTRIC WATER LINE SANITARY SEWER EDGE OF GRAVEL PROPOSED PERMANENT EASEMENT PROPOSED GAS PIPELINE (NO GROUND SURVEY) 	<ul style="list-style-type: none"> EXTRA WORK SPACE AREA OF NO DISTURBANCE WETLAND (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"> 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. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEP 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.
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NO.	DATE	CHKD.	APPROV.	DESCRIPTION

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

CONSTRUCTION ALIGNMENT STA 1568+00 TO 1624+00
 SOUTHAMPTON COUNTY, VIRGINIA

SCALE: AS SHOWN
 DATE: 5/1/17
 DRAWN: JMS
 CHECKED: DLH
 APPROVED: NET

gai consultants

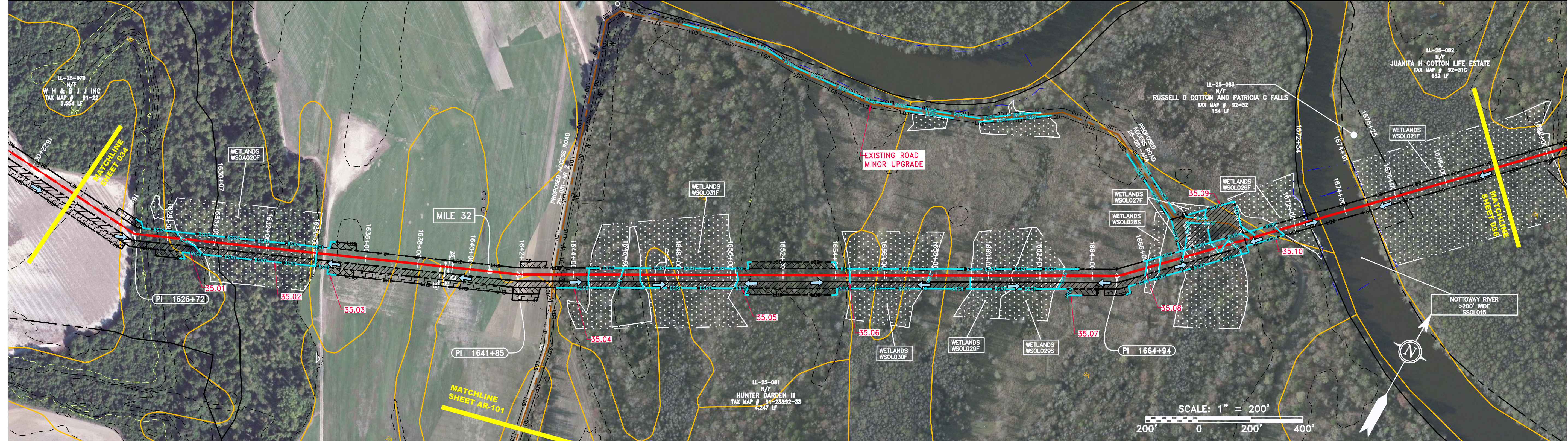
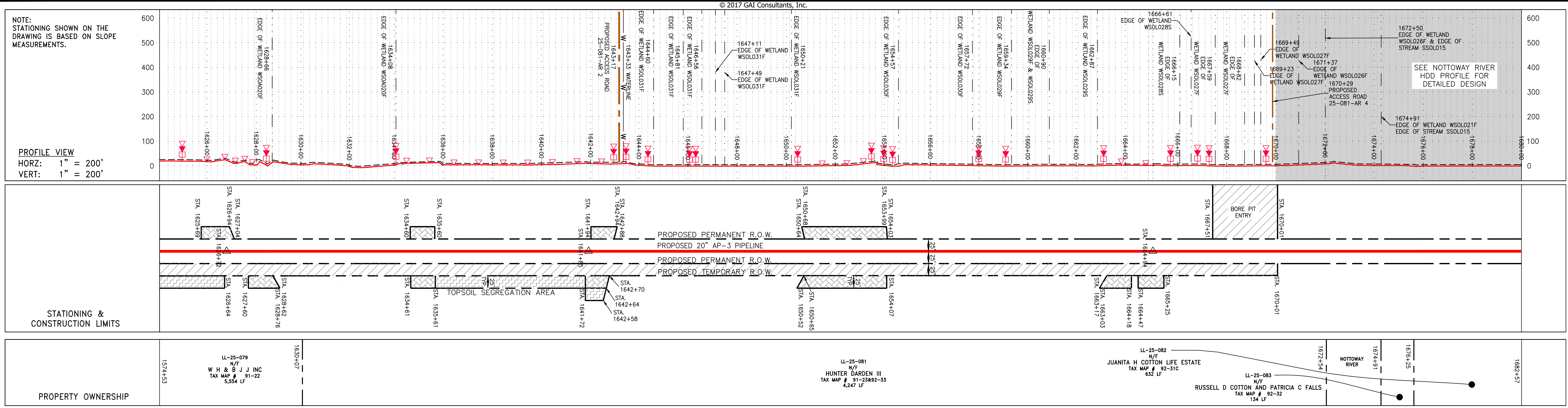
SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-673-3545

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. E034
 034 OF 84

5/1/2017 10:58 AM



PIPE SPECIFICATION

STRING VIEW BAND

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	---	UTILITY POLE
G-G	EXISTING GAS PIPELINE	---	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:

- 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 THESE 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 COVERED 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.
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REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

Professional Engineer
 Daniel R. Goldstein
 Lic. No. 047436

ERM

CONSTRUCTION ALIGNMENT STA 1624+00 TO 1680+00
 SOUTHAMPTON COUNTY, VIRGINIA

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

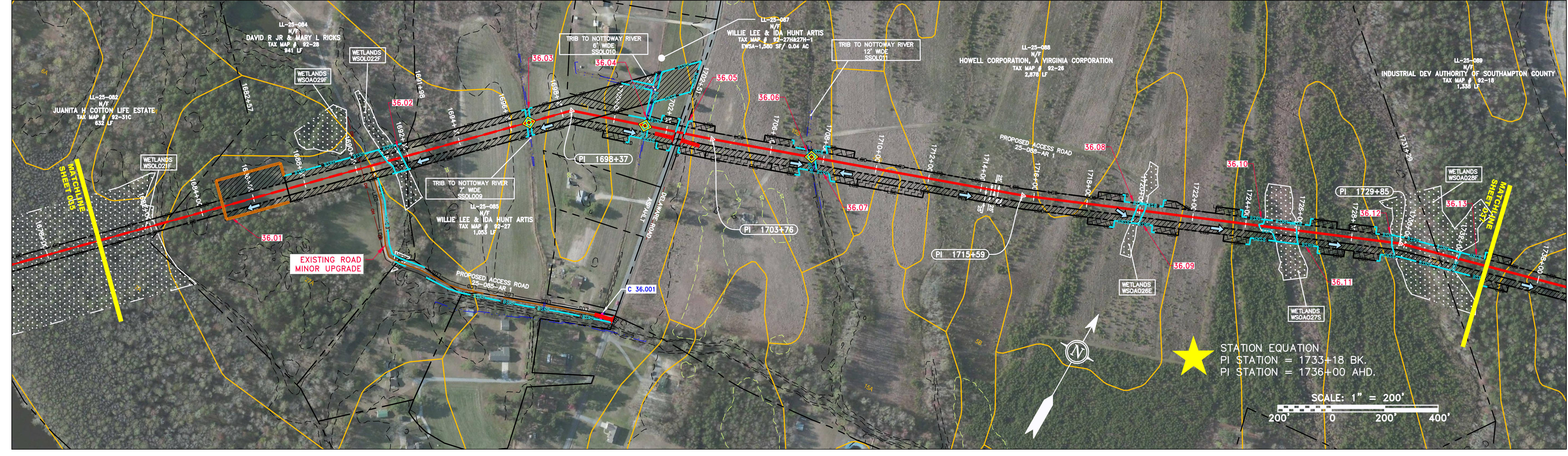
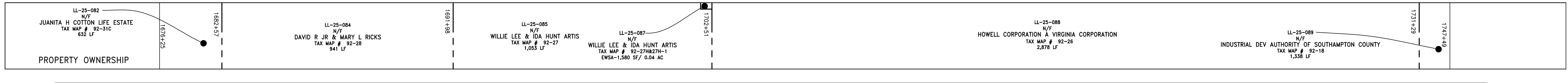
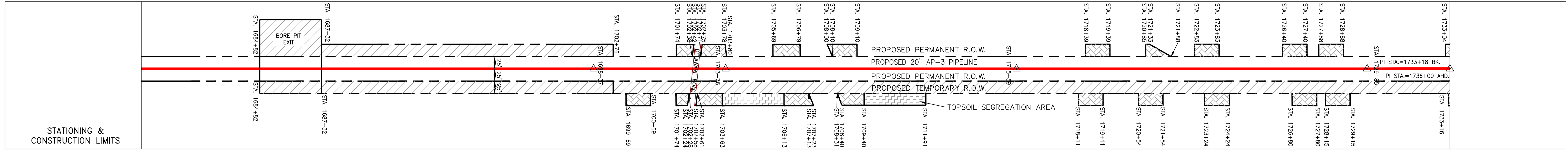
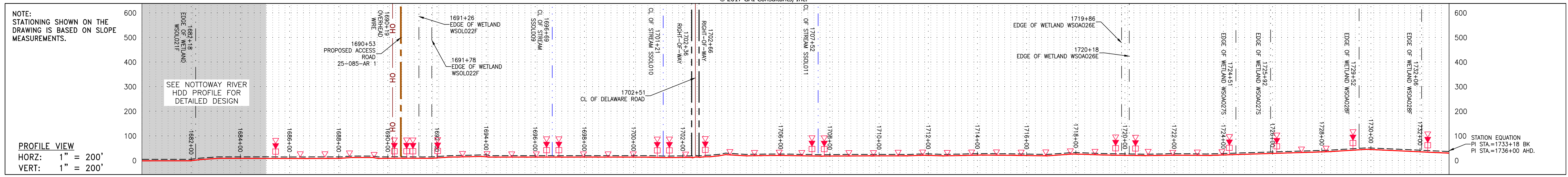
SCALE: AS SHOWN
 DATE: 4/18/17
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 APPROVED: NET

gai consultants
 SOUTHPOINTE OFFICE
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mbe monaloh basin engineers
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PROJECT NO./DASH NO. 140468
 TASK NO. SUB TASK NO. 005 00
 GROUP ID DRAWING NO. D E035
 035 OF 84

4/18/2017 8:23 AM



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REVISIONS

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

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

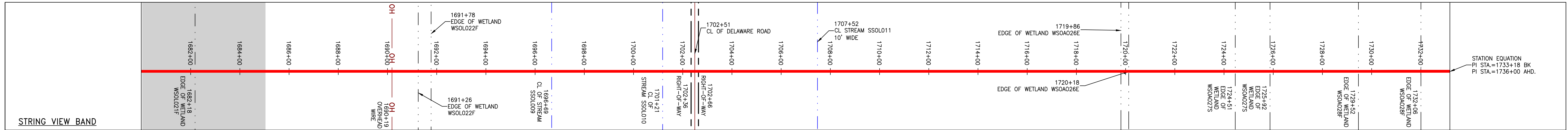
ERM

20" AP-3 PIPELINE
 CONSTRUCTION ALIGNMENT STA 1680+00 TO 1736+00
 SOUTHAMPTON COUNTY, VIRGINIA

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

SCALE: AS SHOWN
 DATE: 5/1/17
 DRAWN: JMS
 CHECKED: DLH
 APPROVED: NET

PIPE SPECIFICATION



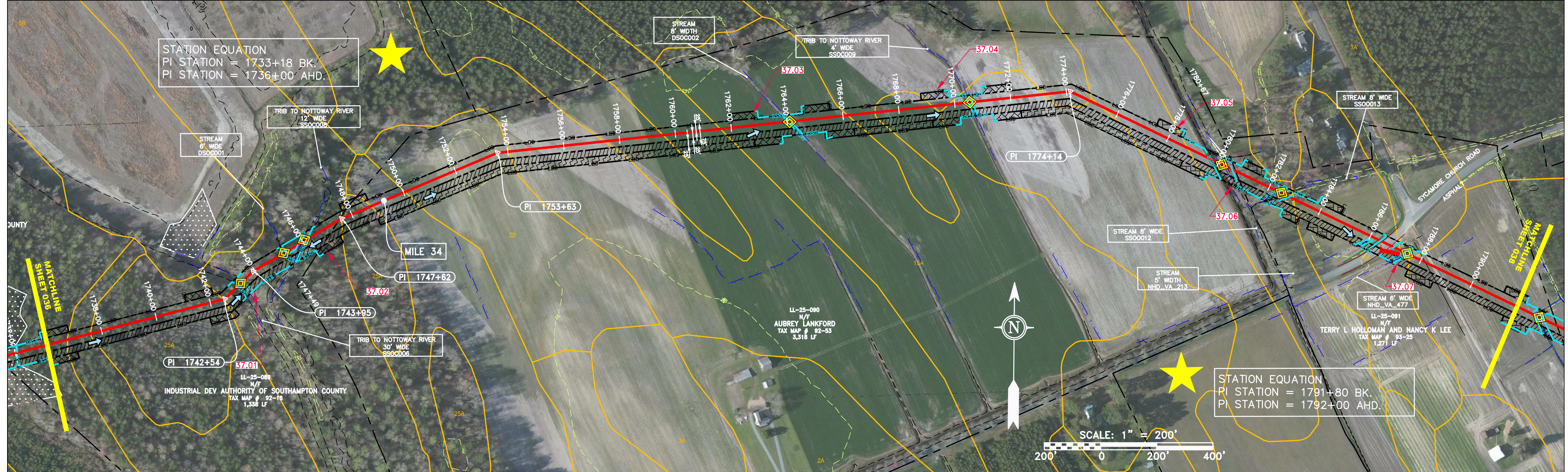
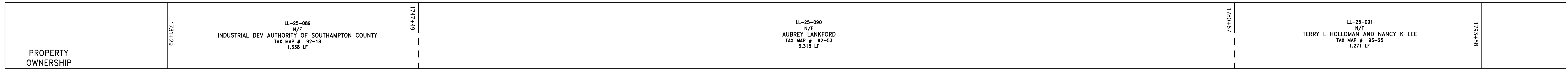
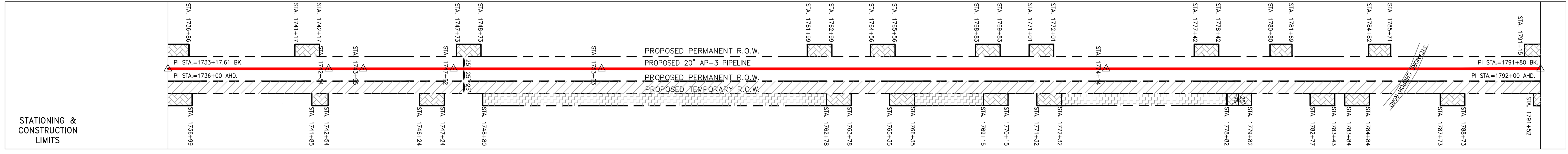
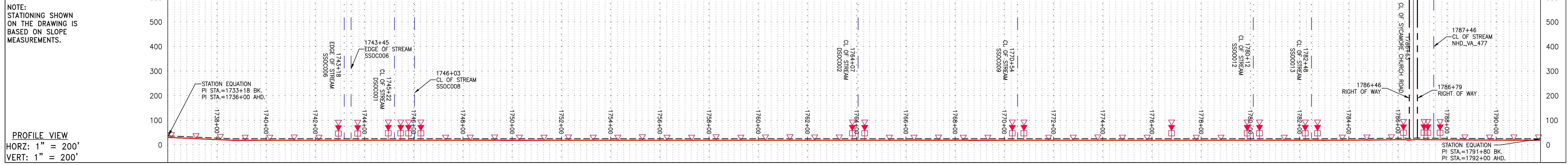
LEGEND

	PROPERTY LINE		PROPOSED GAS PIPELINE
	STORM SEWER		PROPOSED PERMANENT EASEMENT
	FENCE		PROPOSED GAS PIPELINE (NO GROUND SURVEY)
	STREAM		UNDERGROUND ELECTRIC
	EXISTING GAS PIPELINE		WATER LINE
	OVERHEAD UTILITY LINES		SANITARY SEWER
	ACCESS ROAD		EDGE OF GRAVEL
	PROPOSED PERMANENT R.O.W.		PROPOSED TEMPORARY EASEMENT

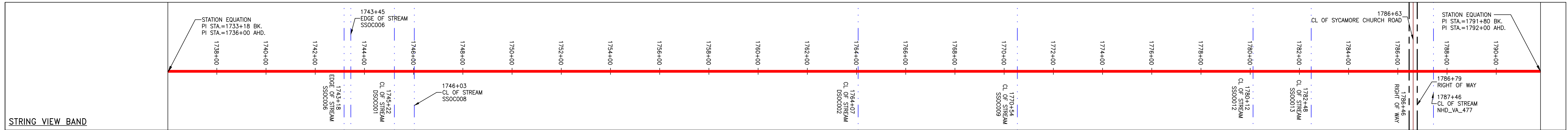
	EXTRA WORK SPACE		PERMANENT WATERBAR/SLOPE BREAKER
	TOPSOIL SEGREGATION AREA		TEMPORARY WATERBAR/SLOPE BREAKER
	AREA OF NO DISTURBANCE		TRENCH BREAKER/PLUG
	PROPOSED TEMPORARY R.O.W.		STREAM CROSSING
	UTILITY POLE		USFWS STREAM CROSSING WITH ENHANCED CONTROLS
	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		SEEP
	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).		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, 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.
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- THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.6 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.6.5. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH NATIONAL PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.



PIPE SPECIFICATION



<p>LEGEND</p> <p>--- PROPERTY LINE</p> <p>-X-X- FENCE</p> <p>-G-G- EXISTING GAS PIPELINE</p> <p>-OH- OVERHEAD UTILITY LINES</p> <p>- - - ACCESS ROAD</p> <p>- - - STORM SEWER</p> <p>-E- UNDERGROUND ELECTRIC</p> <p>-W- WATER LINE</p> <p>-G- SANITARY SEWER</p> <p>- - - EDGE OF GRAVEL</p> <p>- - - PROPOSED PERMANENT EASEMENT</p> <p>- - - PROPOSED GAS PIPELINE (NO GROUND SURVEY)</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>L00</p> <p>BSE1</p> <p>BSE2</p> <p>111.03</p> <p>C 111.001</p> <p>ORANGE SAFETY FENCE</p> <p>ROADSIDE DITCH</p> <p>SOIL TYPE</p> <p>Al (E)</p> <p>30-58%</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>GRADE SAFETY FENCE</p> <p>ROADSIDE DITCH</p> <p>SOIL TYPE</p> <p>Al (E)</p> <p>30-58%</p>	<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, 1107-2014. 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) STEP 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 STEP 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. 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.
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REVISIONS

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

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

ERM

CONSTRUCTION ALIGNMENT STA 1736+00 TO 1792+00

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

SCALE: AS SHOWN
 DATE: 4/11/17
 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

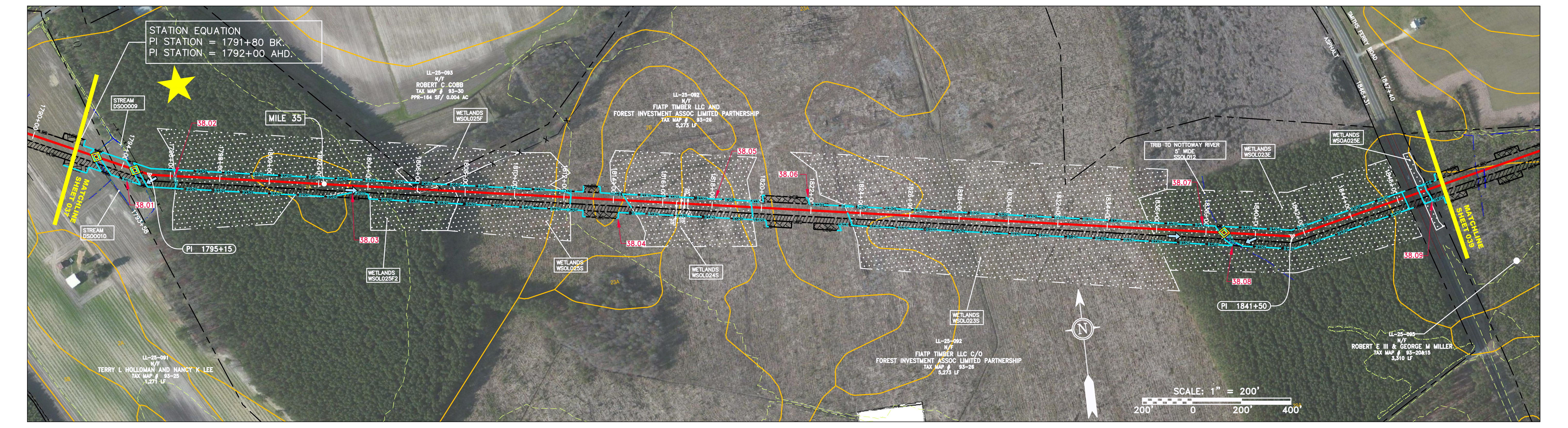
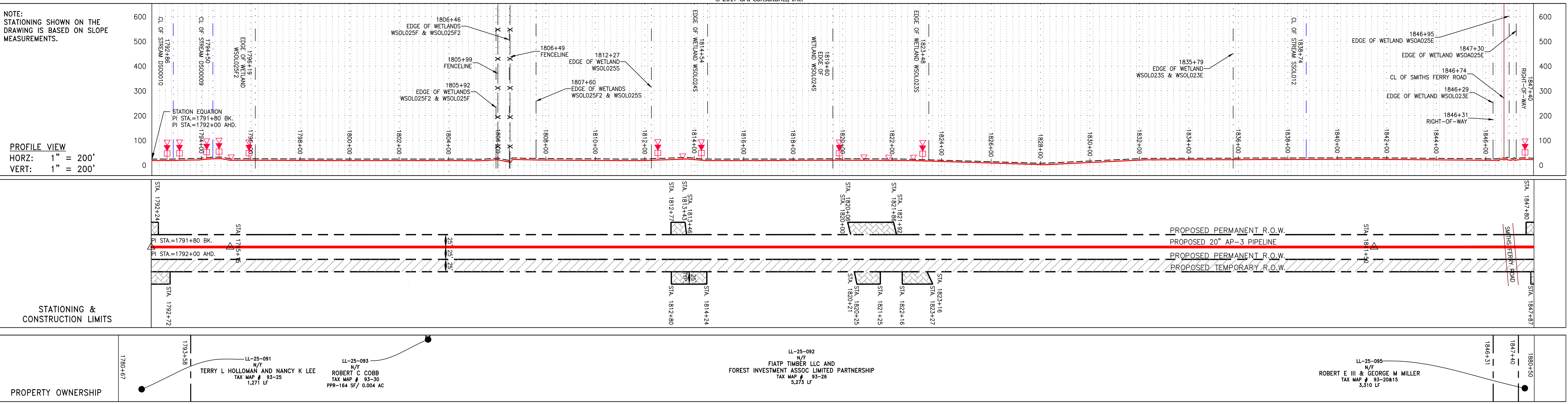
PROJECT NO./DASH NO.
 140468

TASK NO. SUB TASK NO.
 005 00

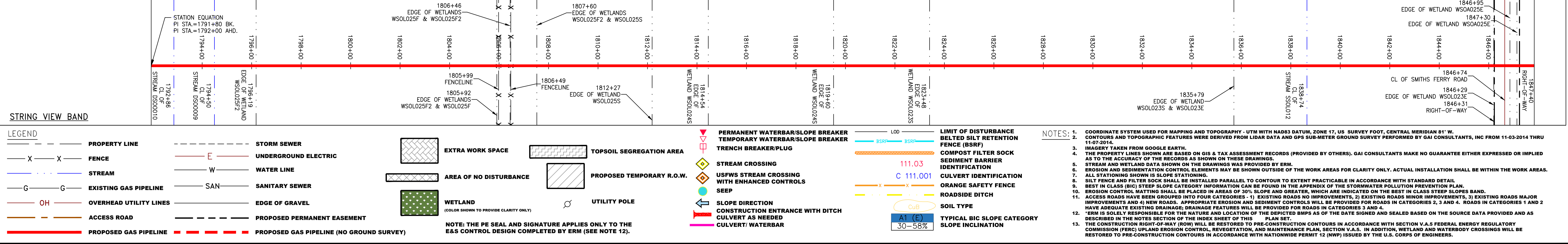
GROUP ID DRAWING NO.
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037 OF 84

4/11/2017 11:13 AM



PIPE SPECIFICATION



NO.	DATE	CHKD.	APPROV.	DESCRIPTION

DANIEL R. GOLDSTEIN
 Lic. No. 047436

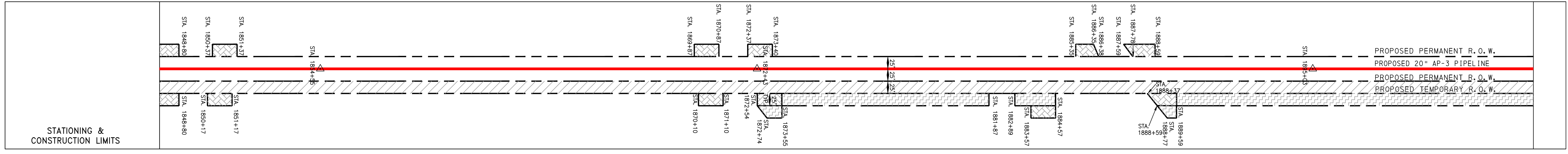
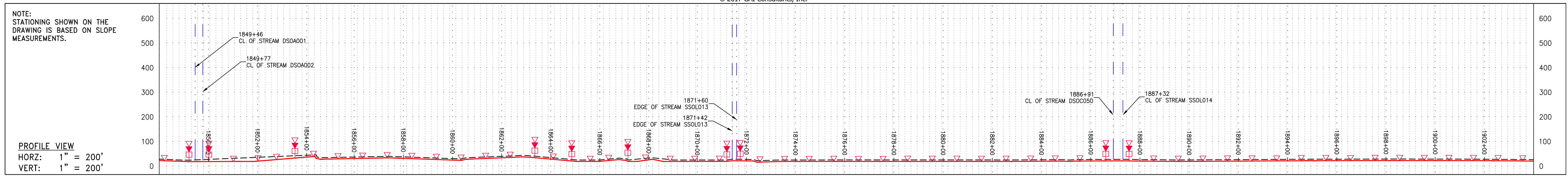
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 SOUTHAMPTON COUNTY, VIRGINIA

SCALE: AS SHOWN
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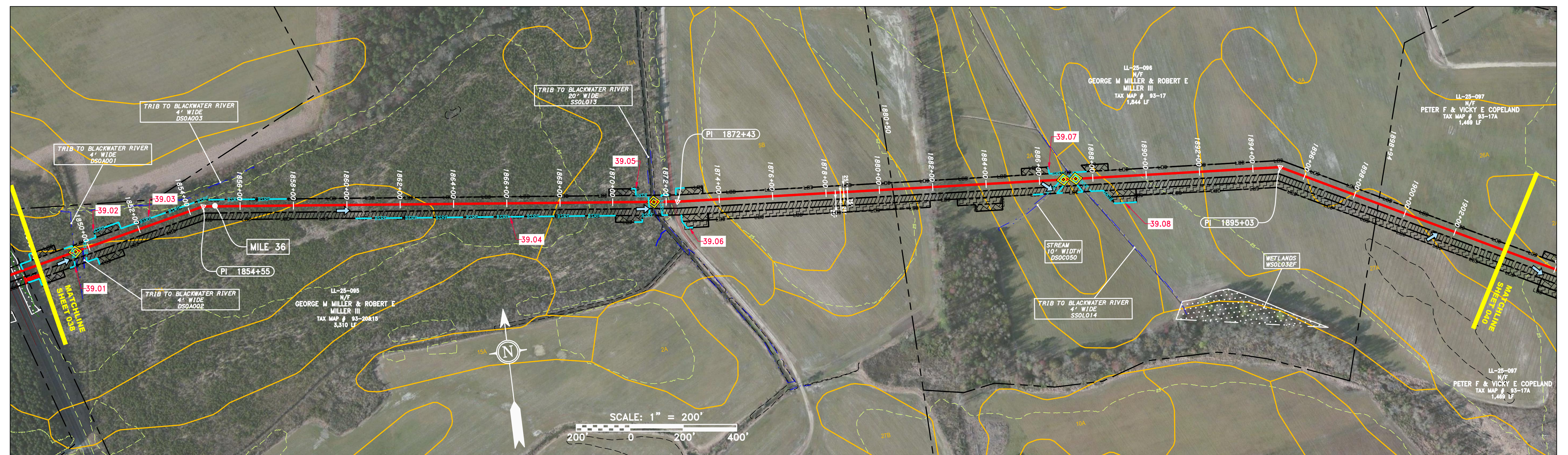
SOUTHPOINT OFFICE
 6000 TOWN CENTER BLVD.
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PROJECT NO./DASH NO.	140468	
TASK NO.	005	SUB TASK NO. 00
GROUP ID	D	DRAWING NO. E038
038	OF	84

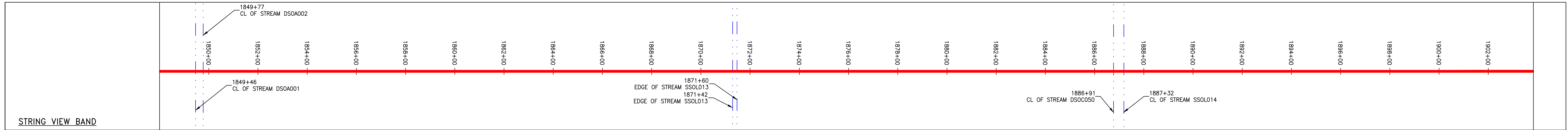


PROPERTY OWNERSHIP	NO.	DATE	CHKD.	APPROV.	REVISIONS
1847+40					
LL-25-095 N/F GEORGE M MILLER & ROBERT E MILLER III TAX MAP # 93-20&15 3,310 LF					
1880+50					
LL-25-096 N/F GEORGE M MILLER & ROBERT E MILLER III TAX MAP # 93-17 1,844 LF					
1894+59					
LL-25-097 N/F PETER F & VICKY E COPELAND TAX MAP # 93-17A 1,469 LF					
1913+63					



PIPE SPECIFICATION

PIPE SPECIFICATION	
--------------------	--



LEGEND

--- PROPERTY LINE	--- STORM SEWER	--- EXTRA WORK SPACE	--- LIMIT OF DISTURBANCE
-X-X- FENCE	--- UNDERGROUND ELECTRIC	--- AREA OF NO DISTURBANCE	--- BELTED SILT RETENTION FENCE (BSRF)
--- STREAM	--- WATER LINE	--- TOPSOIL SEGREGATION AREA	--- COMPOST FILTER SOCK
--- EXISTING GAS PIPELINE	--- SANITARY SEWER	--- PROPOSED TEMPORARY R.O.W.	--- SEDIMENT BARRIER IDENTIFICATION
--- OH OVERHEAD UTILITY LINES	--- EDGE OF GRAVEL	--- UTILITY POLE	--- ORANGE SAFETY FENCE
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT	--- WETLAND	--- 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 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% SLOPS 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.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.

REVISIONS

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

Professional Engineer
 DANIEL R. GOLDSTEIN
 Lic. No. 047436

ERM

CONSTRUCTION ALIGNMENT STA 1848+00 TO 1904+00
 SOUTHAMPTON COUNTY, VIRGINIA

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

SCALE: AS SHOWN
 DATE: 3/28/17
 DRAWN: JMS
 CHECKED: DLH
 APPROVED: NET

gai consultants

SOUTHPOINT 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

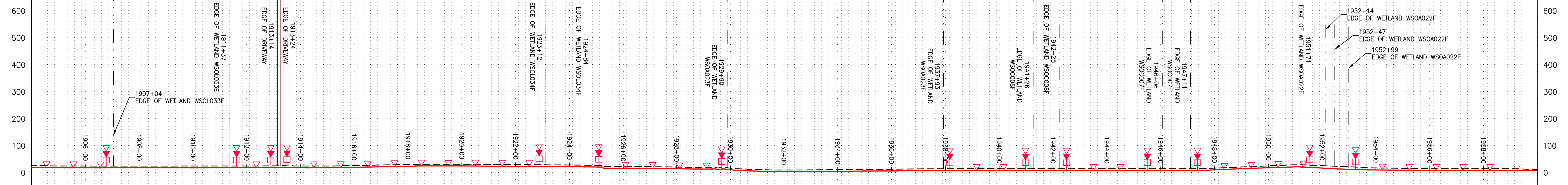
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 TASK NO. 005 SUB TASK NO. 00
 GROUP ID D DRAWING NO. E039
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3/28/2017 2:18 PM

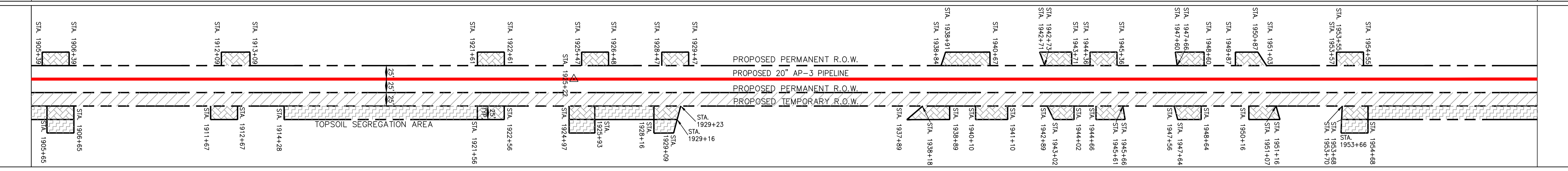
NOTE:
STATIONING SHOWN ON THE
DRAWING IS BASED ON SLOPE
MEASUREMENTS.

PROFILE VIEW

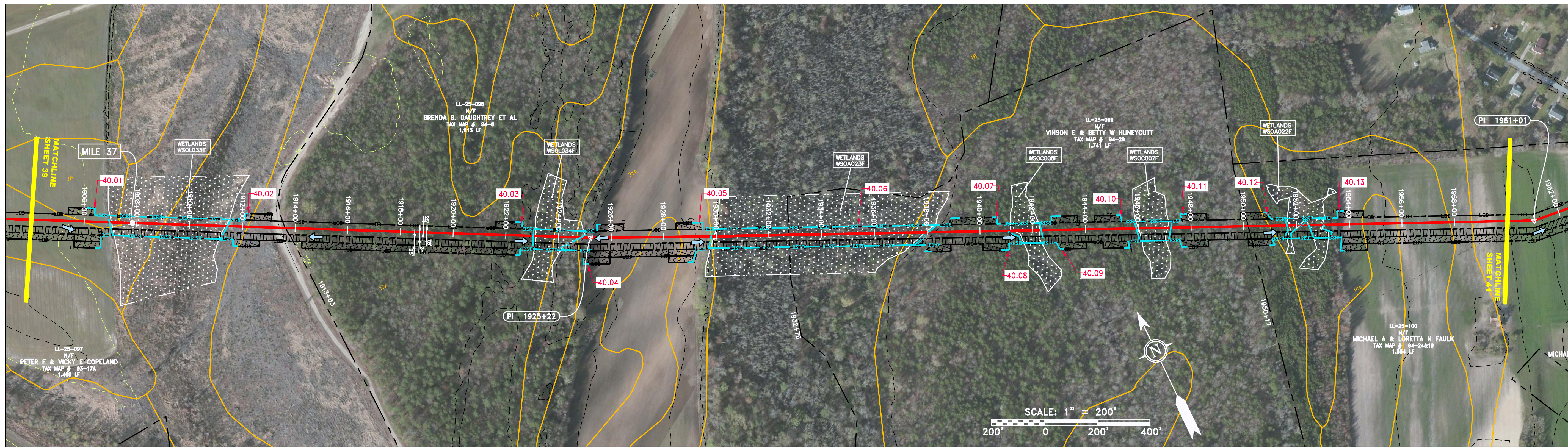
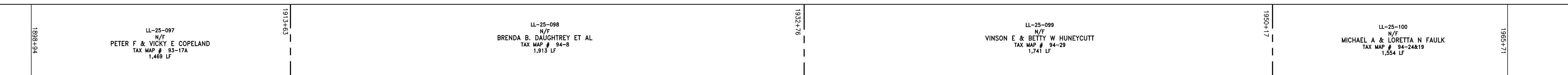
HORZ: 1" = 200'
VERT: 1" = 200'



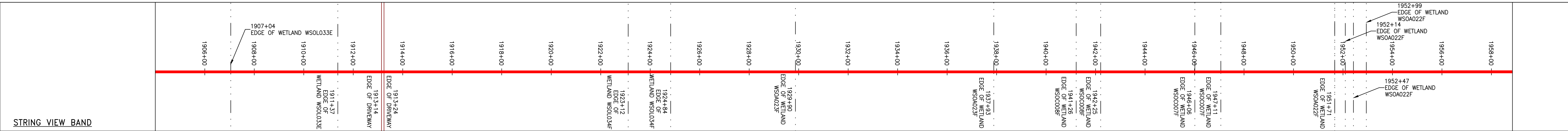
STATIONING &
CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION



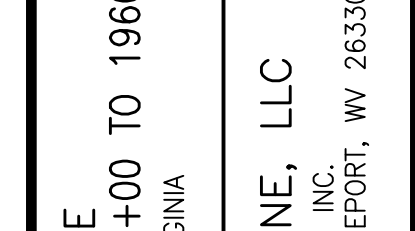
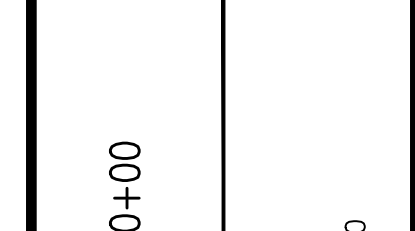
LEGEND

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

- NOTES:
- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U 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.
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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.
 - BEST IN CLASS (BIC) STEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
 - ERODION CONTROL MATINGS SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEP 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.
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 - 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 NATIONAL PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.

REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION



20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 1904+00 TO 1960+00
SOUTHAMPTON 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: JMS
CHECKED: DLH
APPROVED: NET

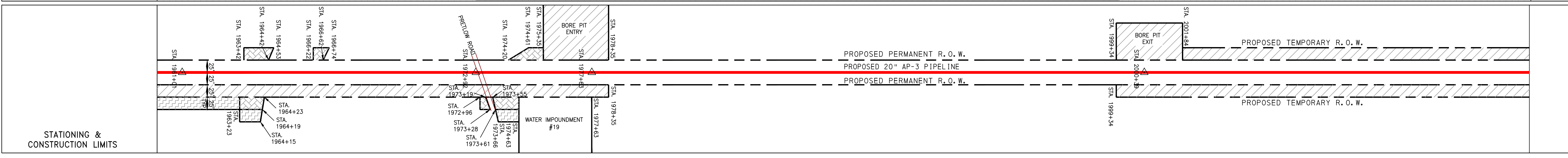
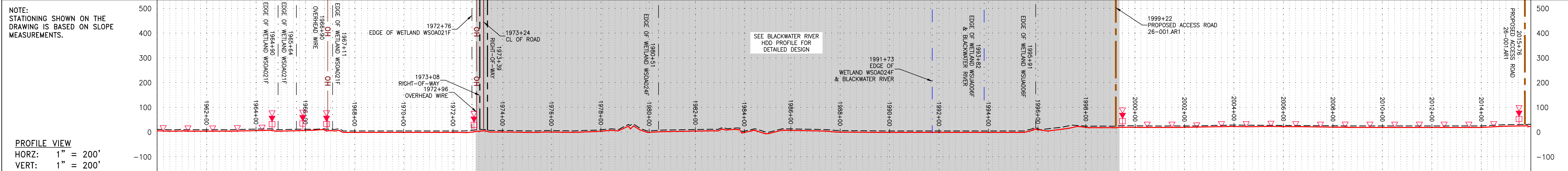


SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-273-3545

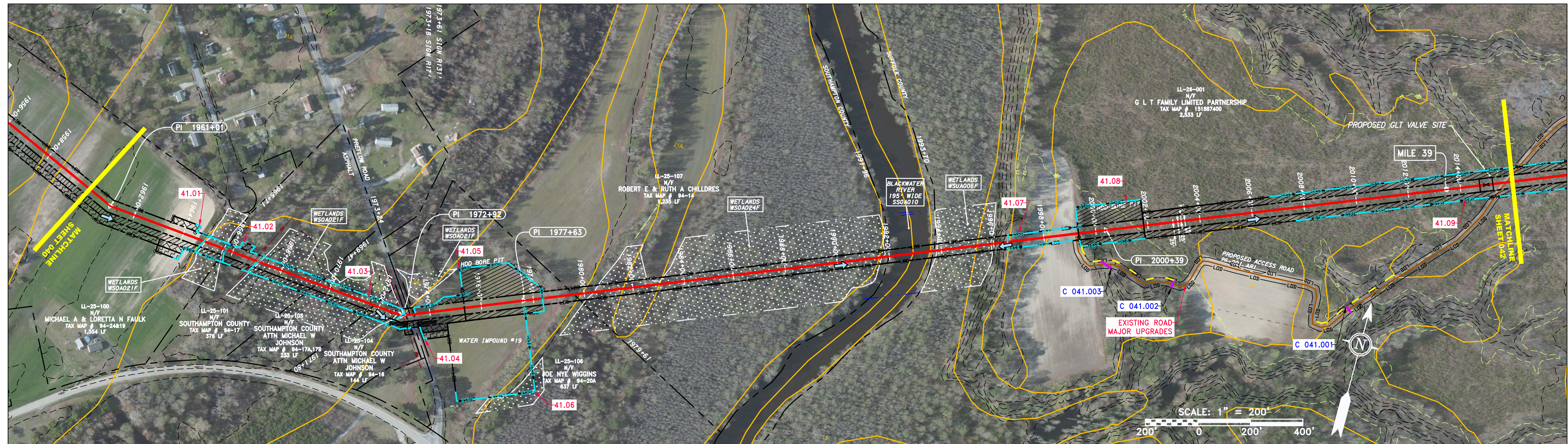


300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

PROJECT NO./DASH NO.	140468	
TASK NO.	SUB TASK NO.	
005	00	
GROUP ID	DRAWING NO.	
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040	OF	84

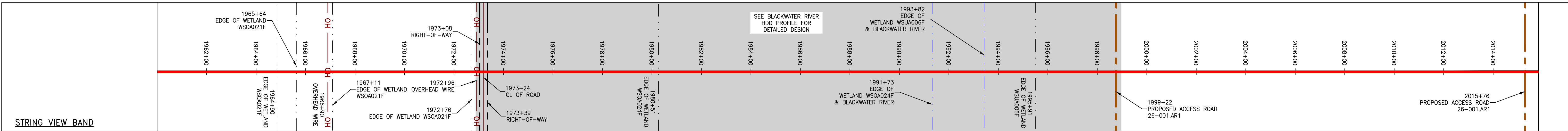


STATIONING	PROPERTY OWNERSHIP
1962+00	LL-25-100 MICHAEL A & LORETTA N FAULK TAX MAP # 94-24819 1,554 LF
1964+00	LL-25-101 SOUTHAMPTON COUNTY TAX MAP # 94-17 376 LF
1966+00	LL-25-103 SOUTHAMPTON COUNTY ATTN MICHAEL W JOHNSON TAX MAP # 94-17B 223 LF
1972+00	LL-25-104 SOUTHAMPTON COUNTY ATTN MICHAEL W JOHNSON TAX MAP # 94-16 144 LF
1973+00	LL-25-106 SOUTHAMPTON COUNTY ATTN MICHAEL W JOHNSON TAX MAP # 94-20A 637 LF
1979+00	LL-25-107 ROBERT E & RUTH A CHILDRRES TAX MAP # 94-14 1,235 LF
1993+00	LL-26-001 G L T FAMILY LIMITED PARTNERSHIP TAX MAP # 151887400 2,533 LF
2013+00	
2015+76	



PIPE SPECIFICATION

PIPE TYPE	DIAMETER	WALL THICKNESS	JOINT TYPE
PROPOSED PERMANENT R.O.W.	20"	AP-3	PIPELINE



LEGEND

--- PROPERTY LINE	--- STORM SEWER	--- EXTRA WORK SPACE	--- LIMIT OF DISTURBANCE
-X-X- FENCE	--- UNDERGROUND ELECTRIC	--- AREA OF NO DISTURBANCE	--- BELTED SILT RETENTION FENCE (BSRF)
--- STREAM	--- WATER LINE	--- TOPSOIL SEGREGATION AREA	--- COMPOST FILTER SOCK
--- EXISTING GAS PIPELINE	--- SANITARY SEWER	--- PROPOSED TEMPORARY R.O.W.	--- SEDIMENT BARRIER IDENTIFICATION
--- OH OVERHEAD UTILITY LINES	--- EDGE OF GRAVEL	--- UTILITY POLE	--- CULVERT IDENTIFICATION
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT		--- ORANGE SAFETY FENCE
--- PROPOSED GAS PIPELINE	--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)		--- ROADSIDE DITCH

NOTES:

- 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.
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- 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.
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REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

Professional Engineer Seal:
DANIEL R. GOLDSTEIN
Lic. No. 04736

ERM

20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 1960+00 TO 2016+00
SOUTHAMPTON & SUFFOLK COUNTIES, 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: CLM
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

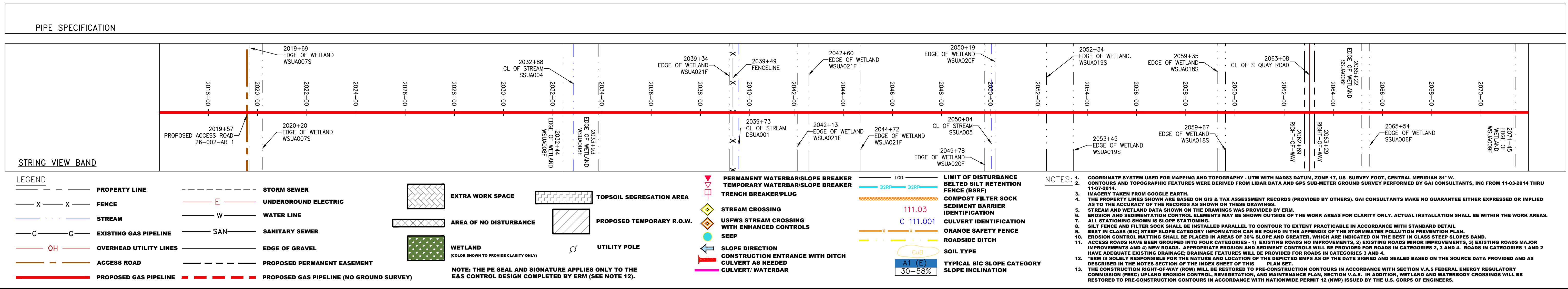
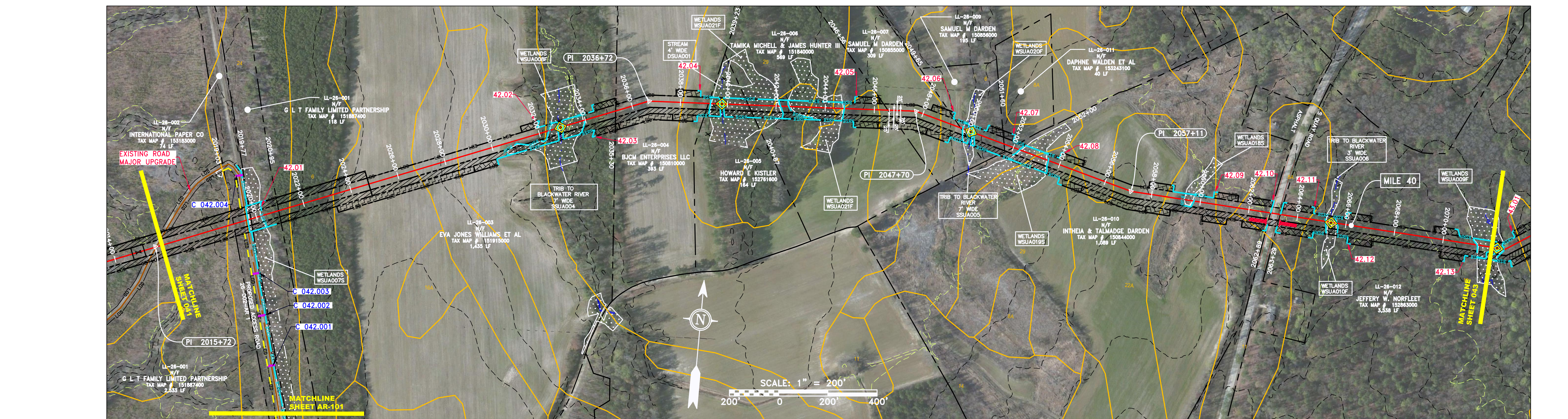
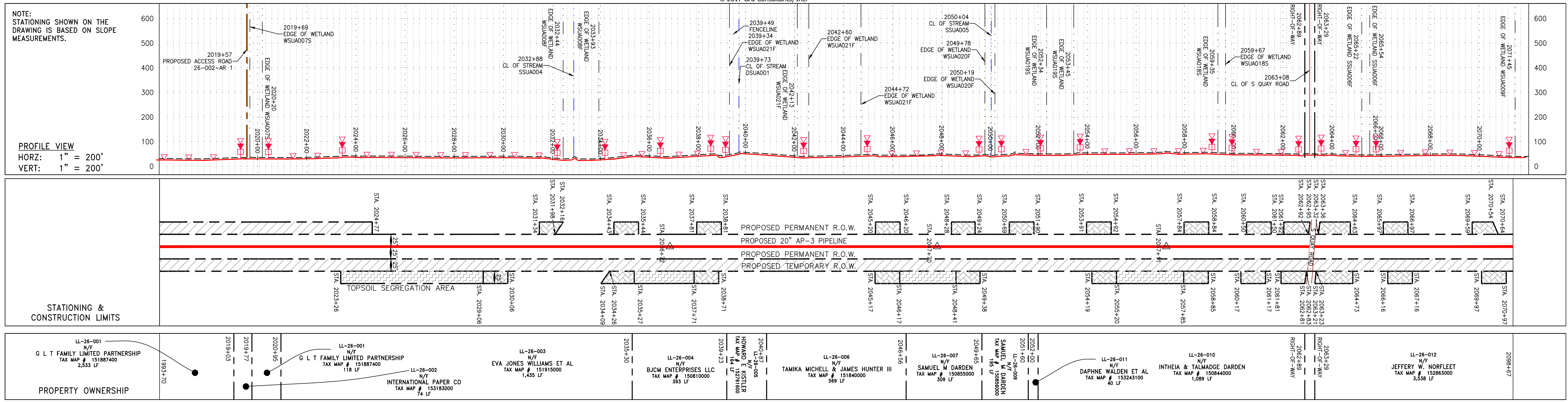
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140468

TASK NO.	SUB TASK NO.
005	00

GROUP ID: D
DRAWING NO.: E041
041 OF 84

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GAI CAD FILE NO. 2665 - GAI WORK ORDER 06 - SOUTHEAST PIPELINE (SECTION 7) 3 - CAD DRAWINGS ALIGNMENT SHEETS 2665-6 PLAN SHEETS (39-41).DWG



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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

Daniel R. Goldstein
 Daniel R. Goldstein
 Lic. No. 04730
 Professional Engineer

ERM

CONSTRUCTION ALIGNMENT STA 2016+00 TO 2072+00
 ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

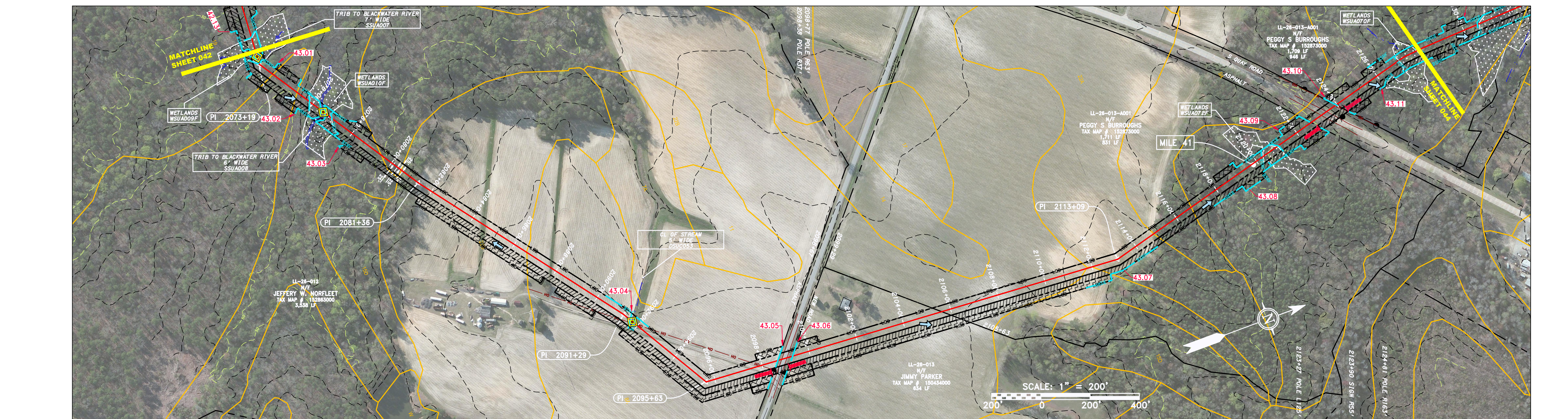
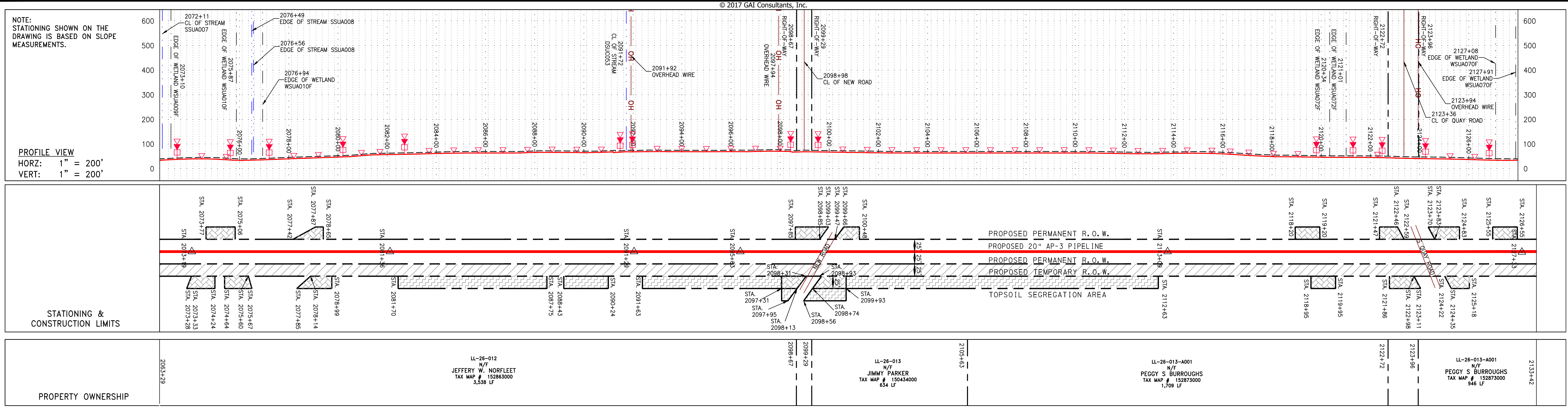
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 DRAWN: RDC
 CHECKED: DLH
 APPROVED: NET

gai consultants
 SOUTHPOINT OFFICE
 6000 TOWN CENTER BLVD.
 CAMONSBURG, PA 15317
 724-673-3545

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

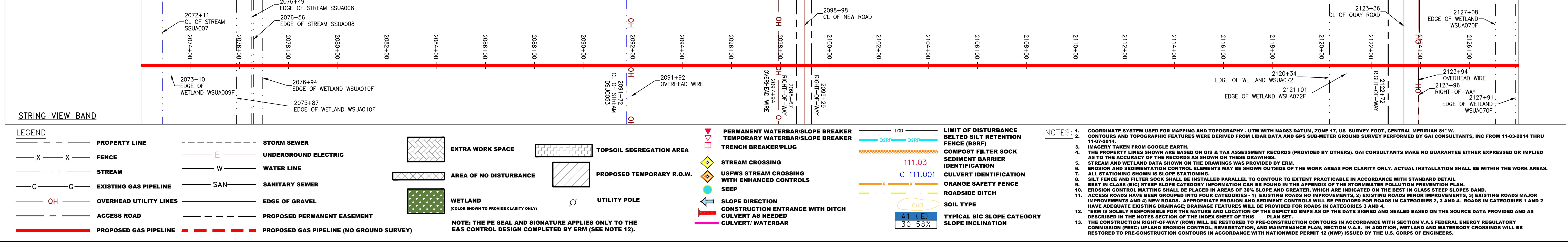
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 140468
 TASK NO. SUB TASK NO.
 005 00
 GROUP ID DRAWING NO.
 D E042
 042 OF 84

4/21/2017 1:53 PM



PIPE SPECIFICATION

20" AP-3 PIPELINE	PROPOSED PERMANENT R.O.W.	PROPOSED 20" AP-3 PIPELINE	PROPOSED PERMANENT R.O.W.	PROPOSED TEMPORARY R.O.W.	TOPSOIL SEGREGATION AREA
-------------------	---------------------------	----------------------------	---------------------------	---------------------------	--------------------------



REVISIONS

NO.	DATE	BY	DESCRIPTION

PROFESSIONAL ENGINEER
 DANIEL L. GOLDSTEIN
 Lic. No. 047436

ERM

CONSTRUCTION ALIGNMENT STA 2072+00 TO 2128+00
 CITY OF SUFFOLK, VIRGINIA

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

SCALE: AS SHOWN
 DATE: 4/12/17
 DRAWN: JMS
 CHECKED: DLH
 APPROVED: NET

gai consultants

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

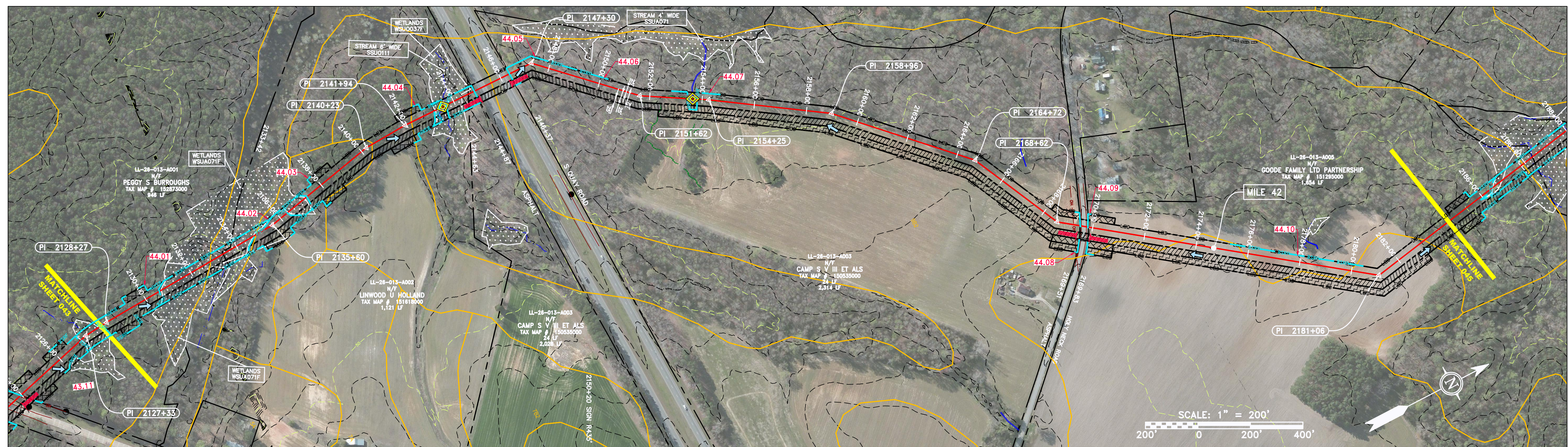
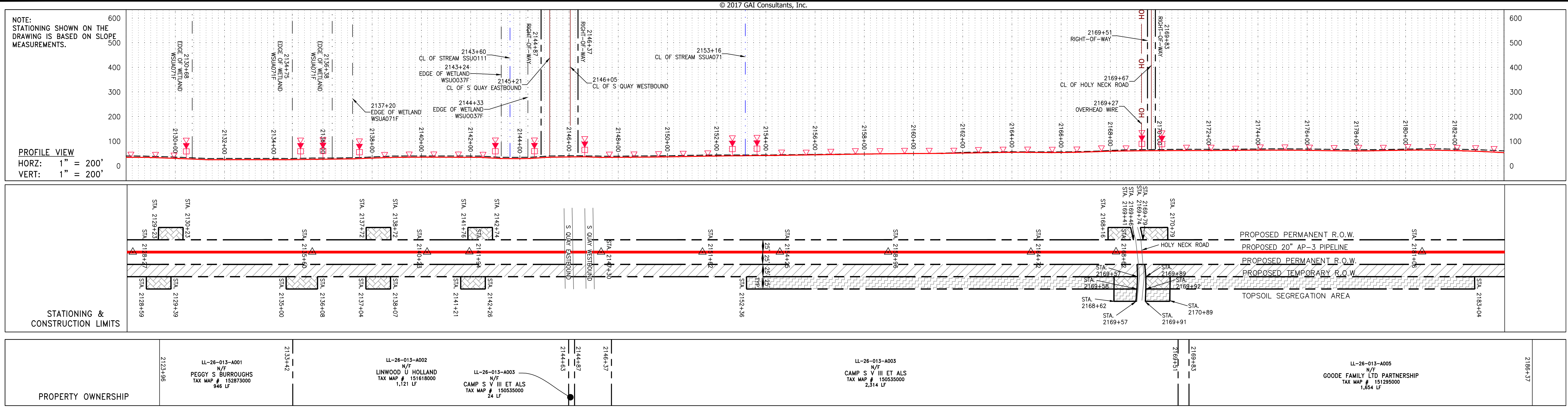
mbe monaloh basin engineers

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 E043
 043 OF 84

4/12/2017 3:50 PM

GAI CAD FILE NO. 2665 - GAI WORK ORDER 06 - SOUTHEAST PIPELINE (SECTION 7) 3 - CAD DRAWINGS ALIGNMENT SHEETS (2665-6 PLAN SHEETS (42-44).DWG



PIPE SPECIFICATION

STRING VIEW BAND

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	--- EDGE OF GRAVEL	--- PROPOSED PERMANENT EASEMENT
OH OVERHEAD UTILITY LINES	--- EDGE OF PERMANENT EASEMENT	--- PROPOSED PERMANENT R.O.W.	--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT	--- PERMANENT WATERBAR/SLOPE BREAKER	--- TEMPORARY WATERBAR/SLOPE BREAKER
--- PROPOSED GAS PIPELINE	--- PROPOSED PERMANENT EASEMENT	--- TRENCH BREAKER/PLUG	--- TRENCH BREAKER/PLUG
		--- STREAM CROSSING	--- STREAM CROSSING
		--- USFWS STREAM CROSSING WITH ENHANCED CONTROLS	--- USFWS STREAM CROSSING WITH ENHANCED CONTROLS
		--- SEEP	--- SEEP
		--- SLOPE DIRECTION	--- SLOPE DIRECTION
		--- CONSTRUCTION ENTRANCE WITH DITCH	--- CONSTRUCTION ENTRANCE WITH DITCH
		--- CULVERT AS NEEDED	--- CULVERT AS NEEDED
		--- 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.
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- 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 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 OR 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.5.5. 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

SCALE: AS SHOWN

DATE: 4/5/17

DRAWN: JMS

CHECKED: DLH

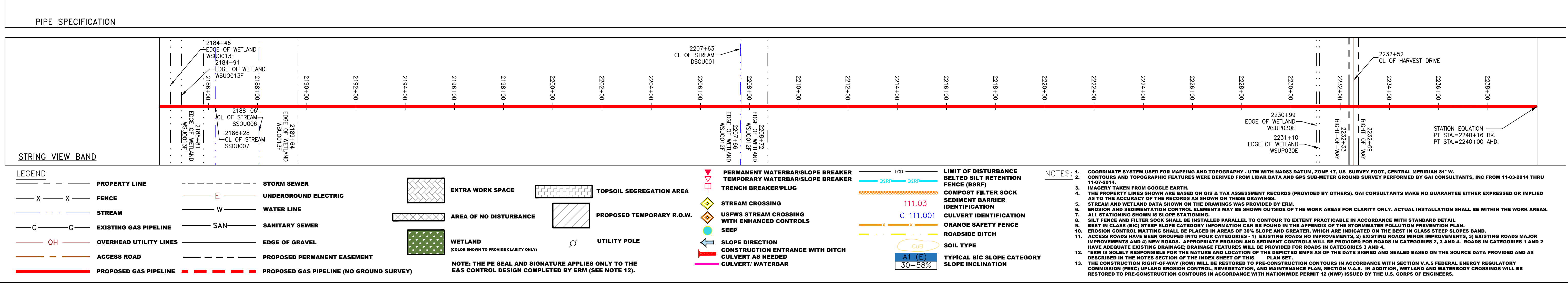
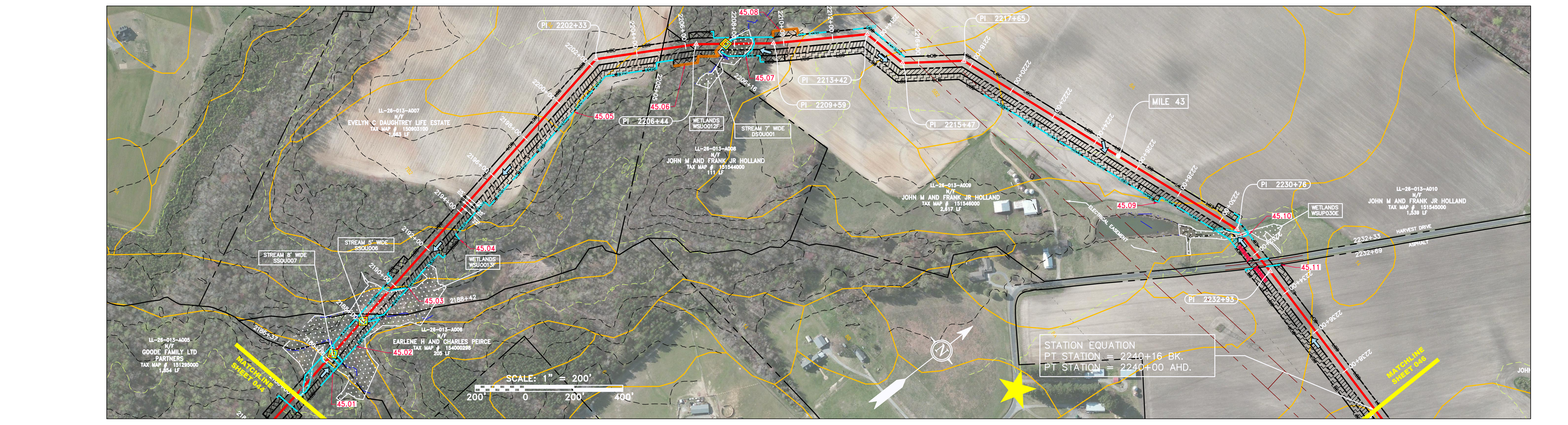
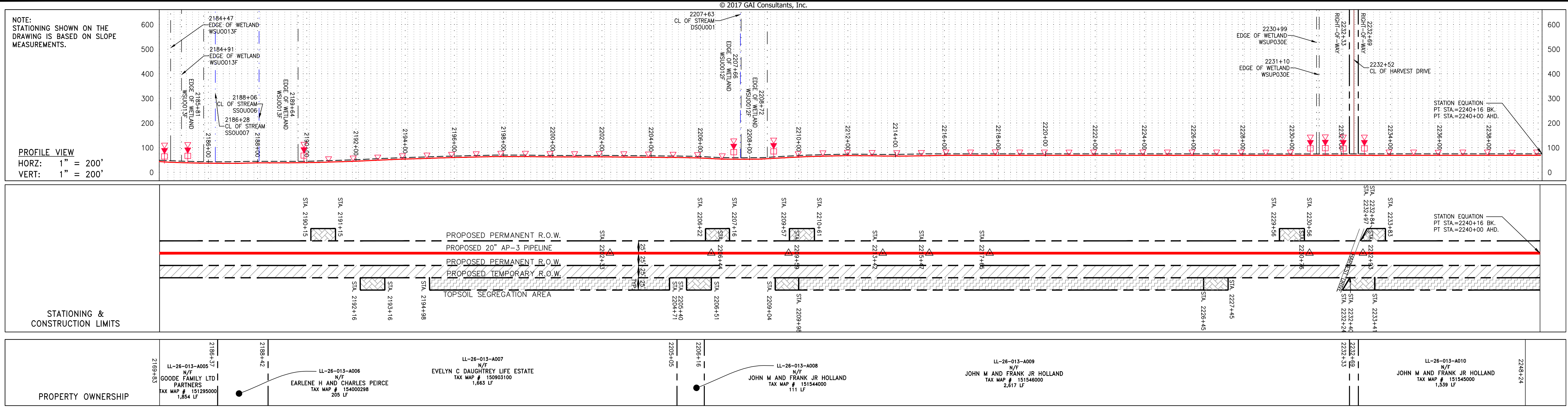
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PROJECT NO./DASH NO. 140468

TASK NO. 005	SUB TASK NO. 00
GROUP ID D	DRAWING NO. E044

044 OF 84

4/5/2017 2:57 PM



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STATIONING & CONSTRUCTION LIMITS

PROPERTY OWNERSHIP

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

PROJECT NO./DASH NO. 140468
TASK NO. SUB TASK NO. 005 00
GROUP ID DRAWING NO. D E045
045 OF 84

REVISIONS

DANIEL R. GOLDSTEIN
Lic. No. 047436
PROFESSIONAL ENGINEER

ERM

CONSTRUCTION ALIGNMENT STA 2184+00 TO 2240+00
CITY OF SUFFOLK, VIRGINIA

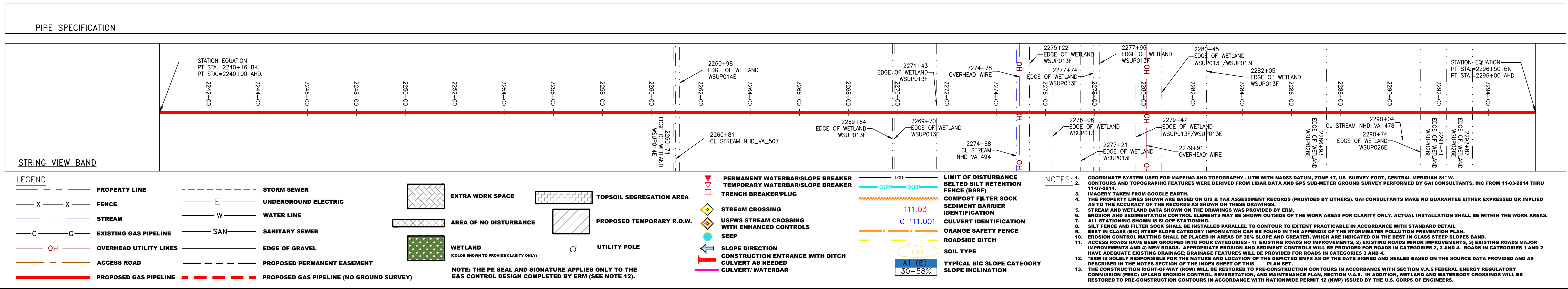
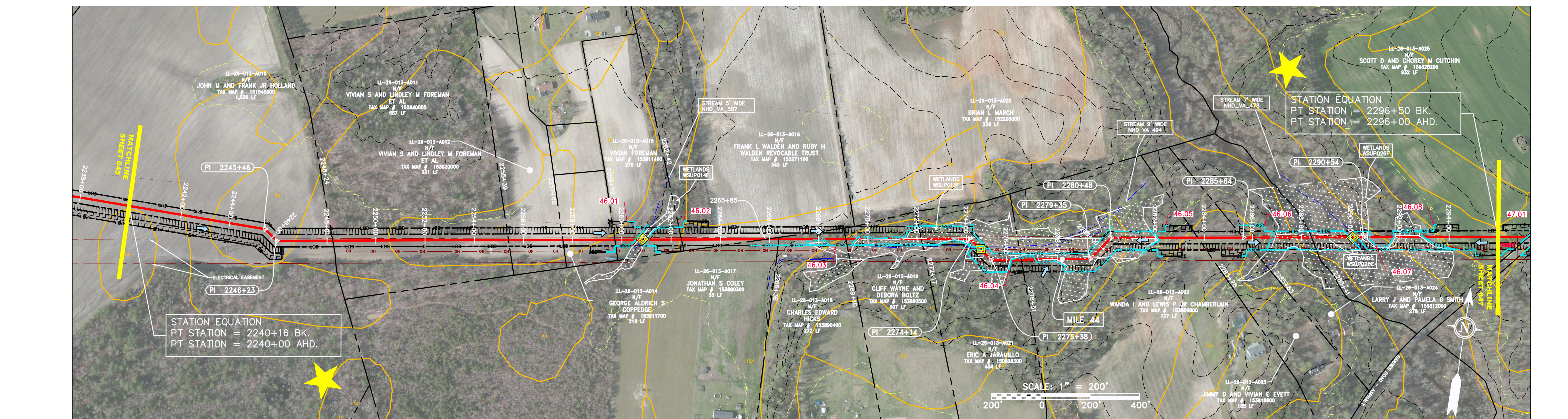
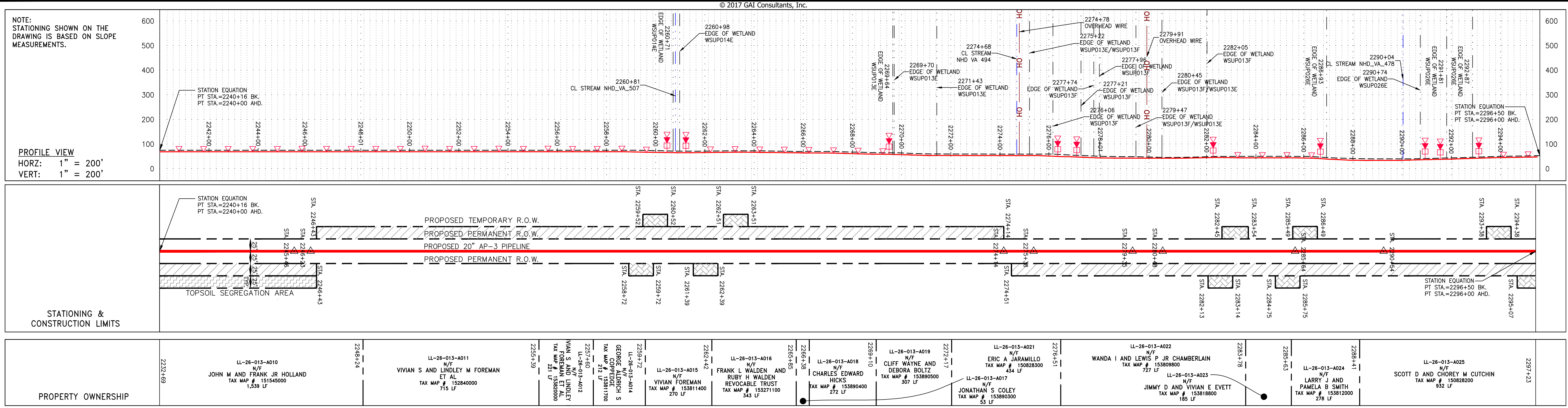
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

gaiconsultants

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

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

NOTES: 1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. 1107.2014.
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.
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11. 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.
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REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

DANIEL R. GOLDSTEIN
Lic. No. 047436

PROFESSIONAL ENGINEER

ERM

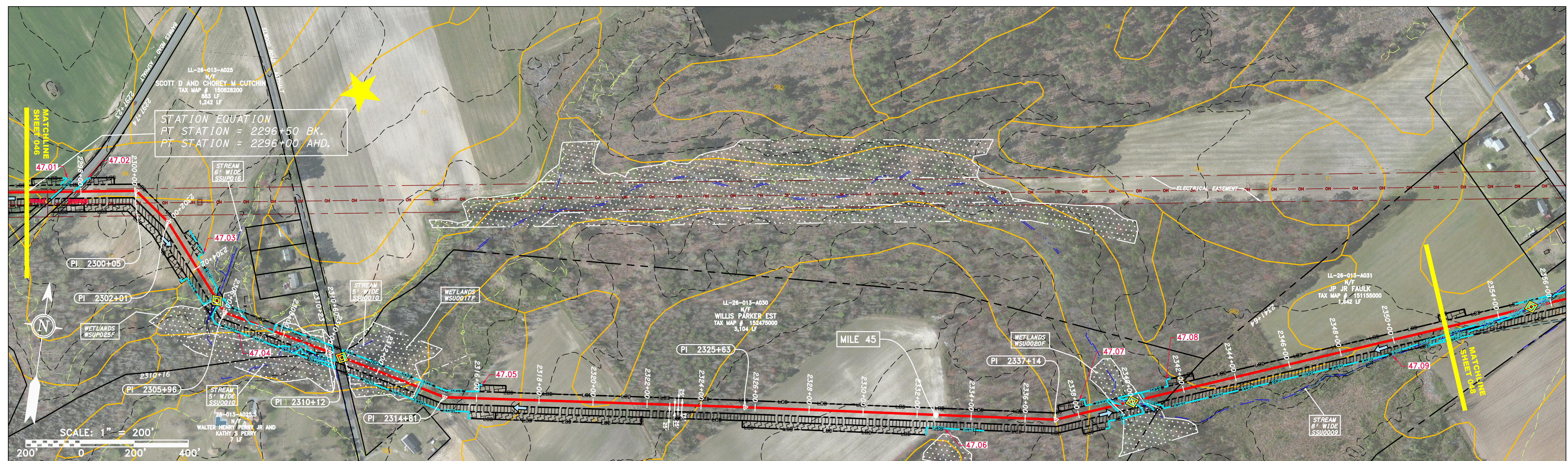
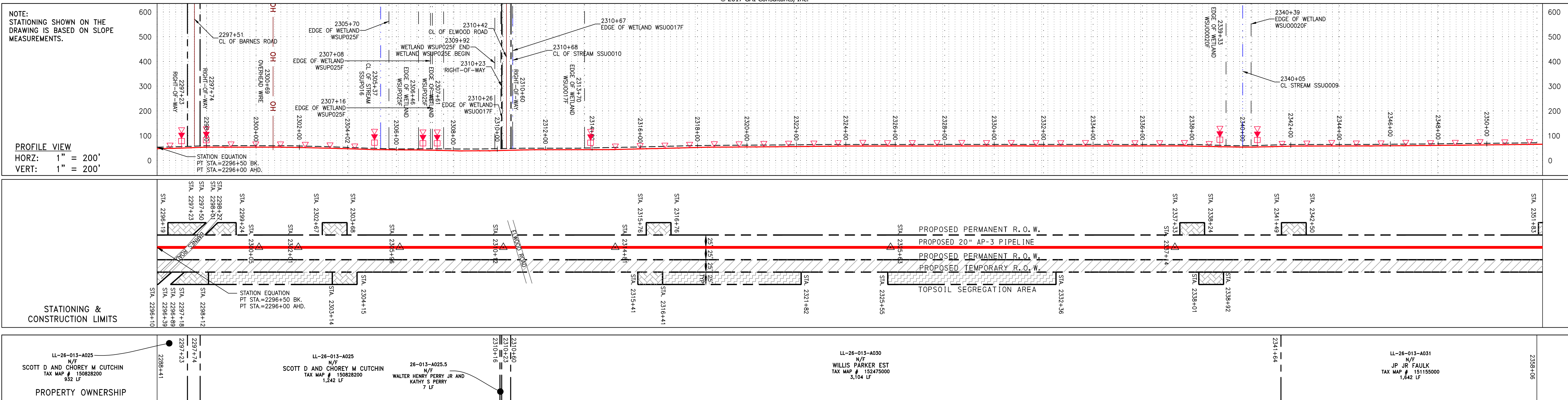
CONSTRUCTION ALIGNMENT STA 2240+00 TO 2296+00
CITY OF SUFFOLK, VIRGINIA

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

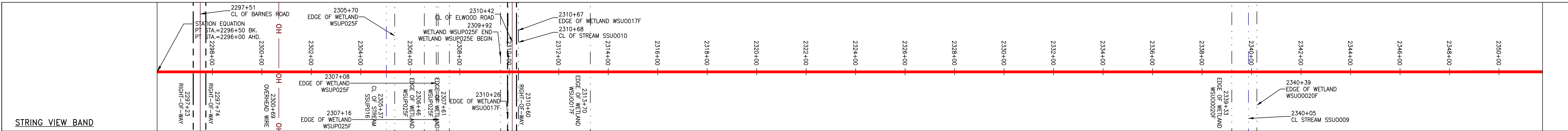
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DRAWN: JMS
CHECKED: DLH
APPROVED: NET

PROJECT NO./DASH NO. 140468
TASK NO. SUB TASK NO. 005 00
GROUP ID DRAWING NO. D E046
046 OF 84

3/29/2017 9:53 AM



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		
OH OVERHEAD UTILITY LINES	--- EDGE OF GRAVEL		
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT		
--- PROPOSED GAS PIPELINE	--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)		

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
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REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

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

ERM

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

CONSTRUCTION ALIGNMENT STA 2296+00 TO 2352+00
 CITY OF SUFFOLK, VIRGINIA

SCALE: AS SHOWN
 DATE: 3/30/17
 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

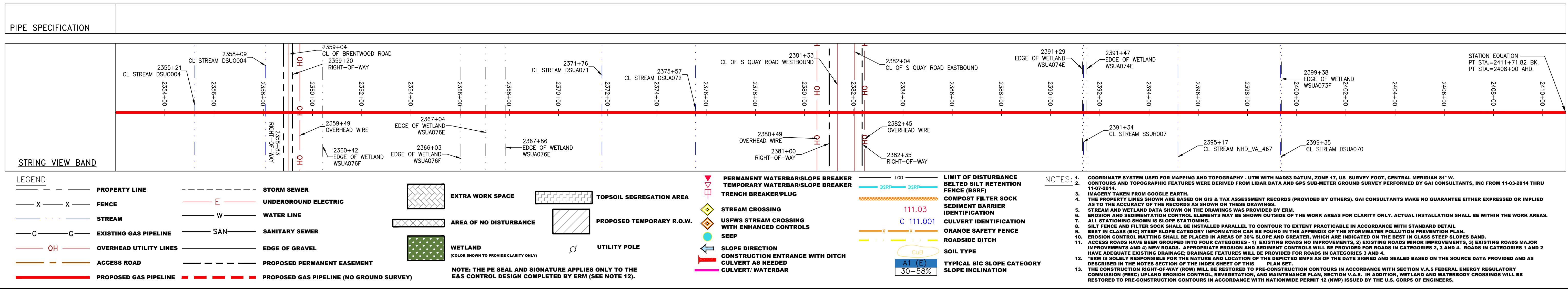
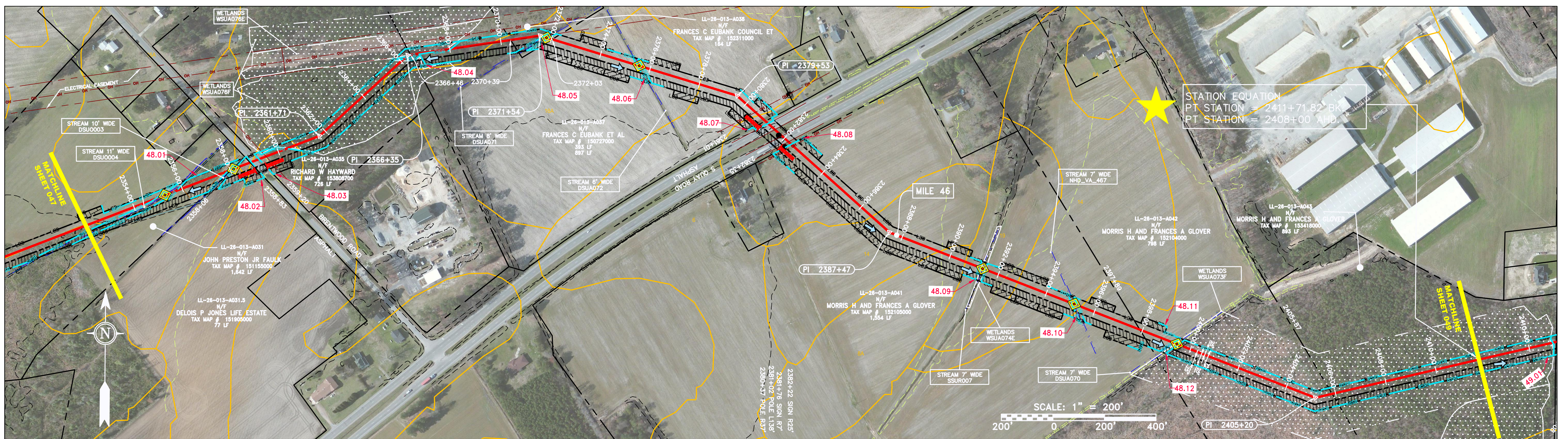
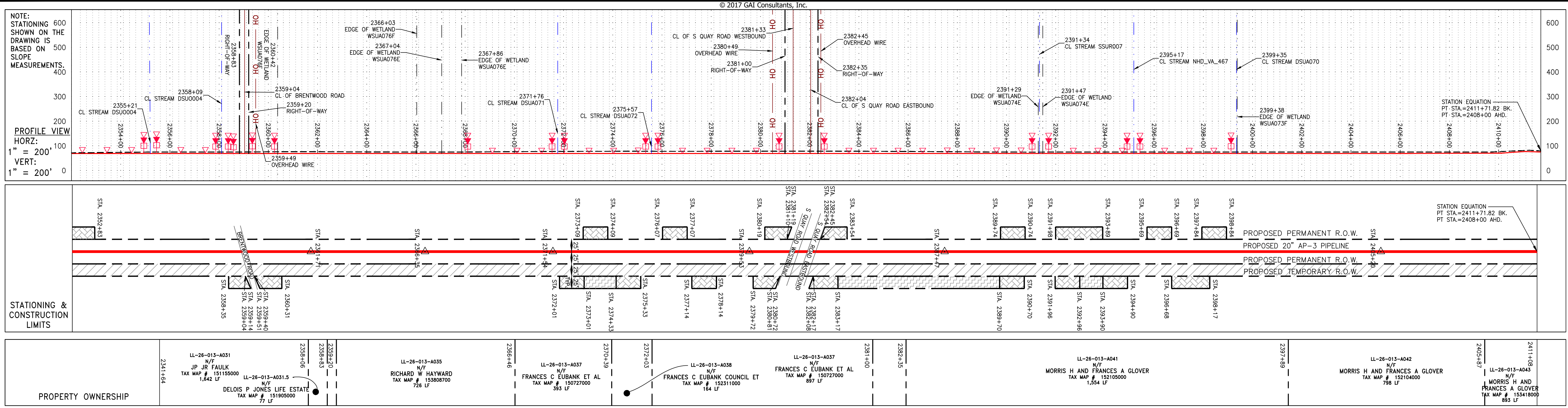
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GAI CAD FILE NO. 2665 - GAI WORK ORDER 06 - SOUTHEAST PIPELINE (SECTION 7) 3 - CAD DRAWINGS ALIGNMENT SHEETS 2665-6 PLAN SHEETS (48-50).DWG



NO.	DATE	CHKD.	APPD.	DESCRIPTION

REVISIONS

DANIEL R. GOLDSTEIN
 Lic. No. 047436

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

CONSTRUCTION ALIGNMENT STA 2352+00 TO 2408+00
20" AP-3 PIPELINE

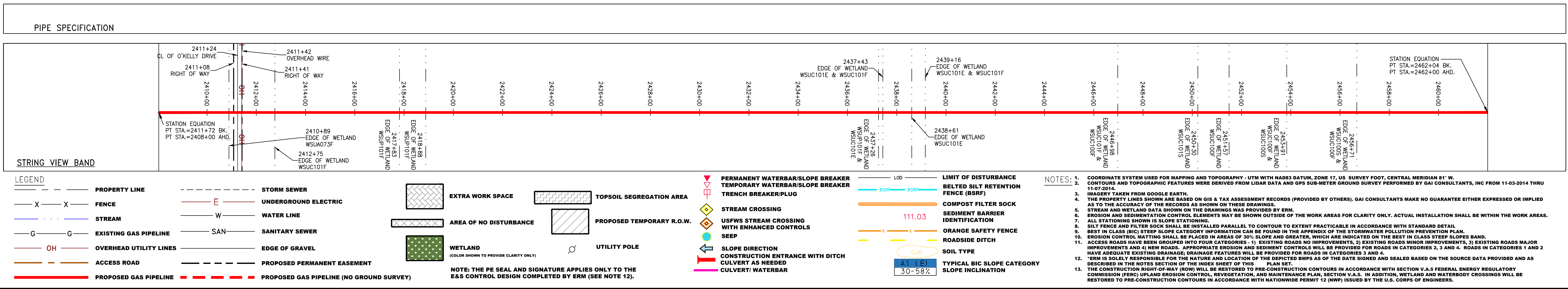
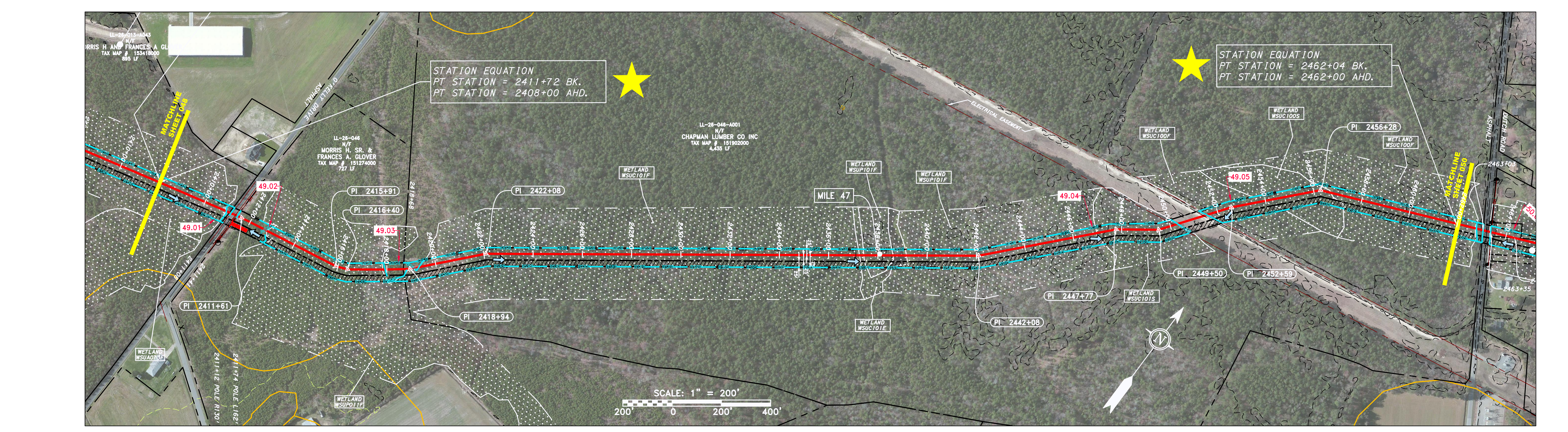
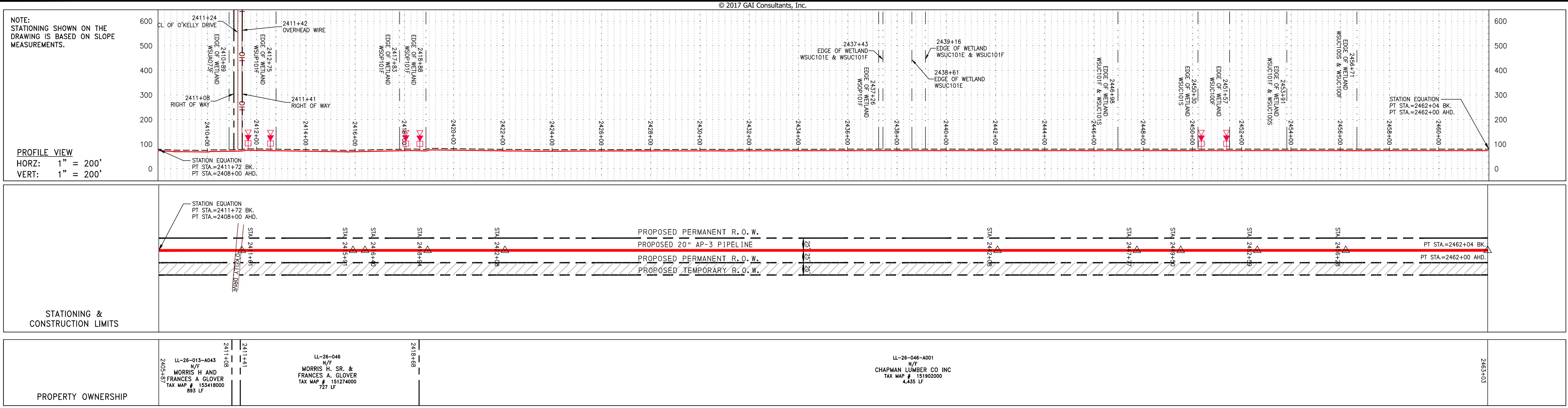
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 CHECKED: DLH
 APPROVED: NET

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

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

PROJECT NO./DASH NO. 140468
 TASK NO. 005 SUB TASK NO. 00
 GROUP ID D DRAWING NO. E048
 048 OF 84

4/4/2017 2:05 PM



REVISIONS		DESCRIPTION
NO.	DATE	CHKD. APPVD.

ERM

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

CONSTRUCTION ALIGNMENT STA 2408+00 TO 2462+00
 CITY OF SUFFOLK, VIRGINIA

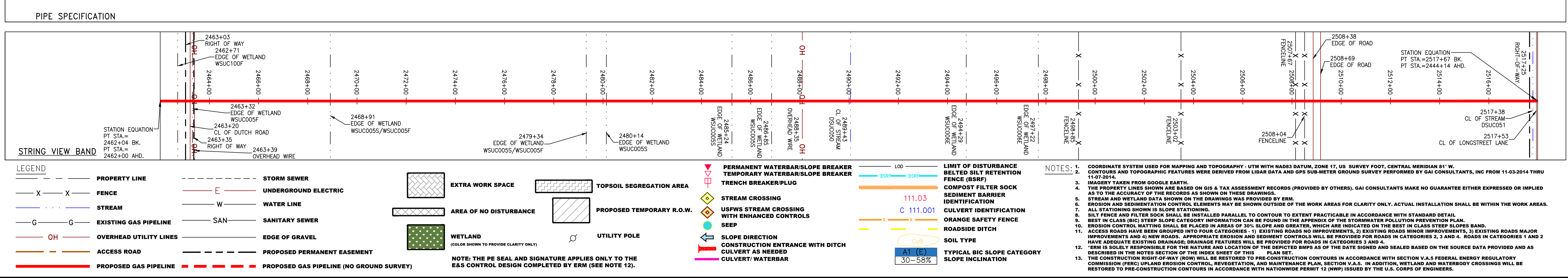
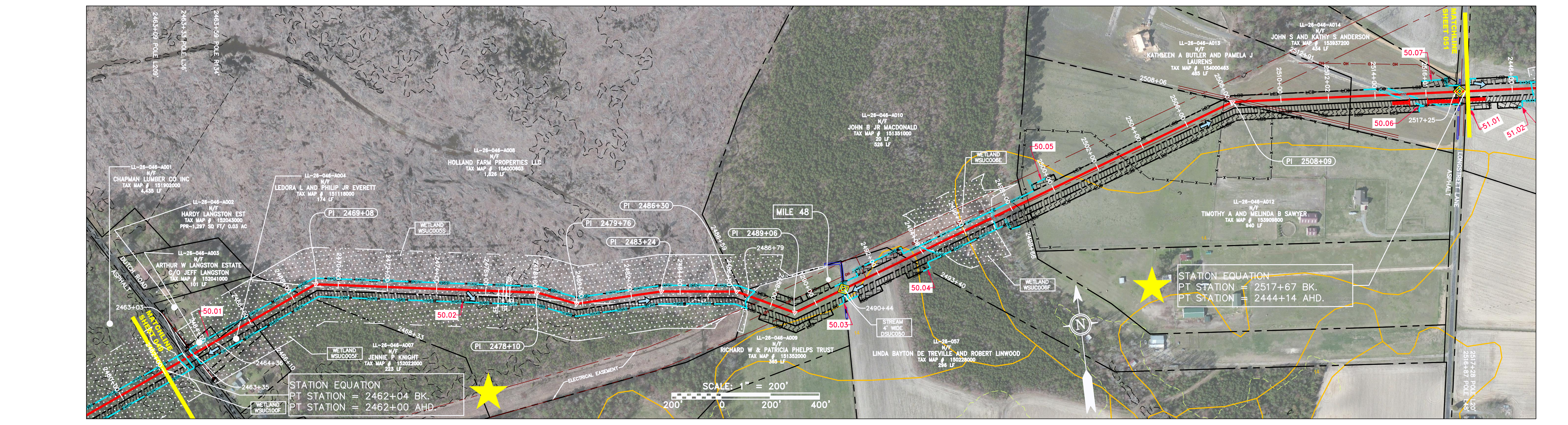
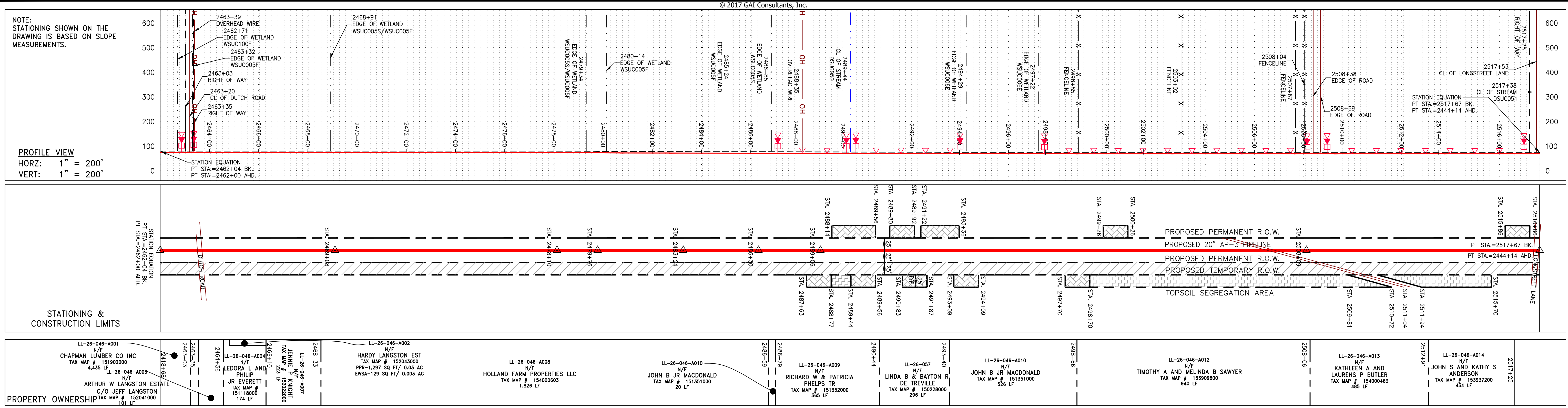
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 APPROVED: NET

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

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

PROJECT NO./DASH NO. 140468
 TASK NO. SUB TASK NO. 005 00
 GROUP ID DRAWING NO. D E049
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3/18/2017 3:51 PM



NO.	DATE	CHKD.	APPD.	DESCRIPTION

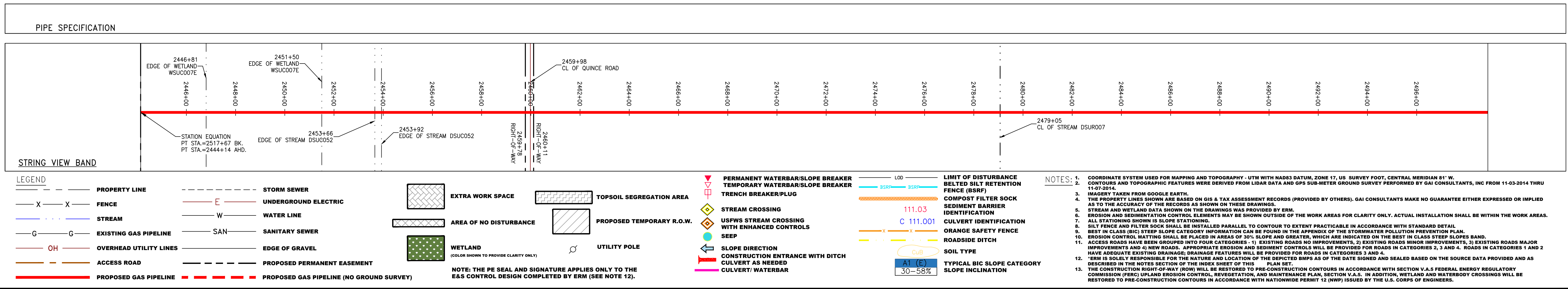
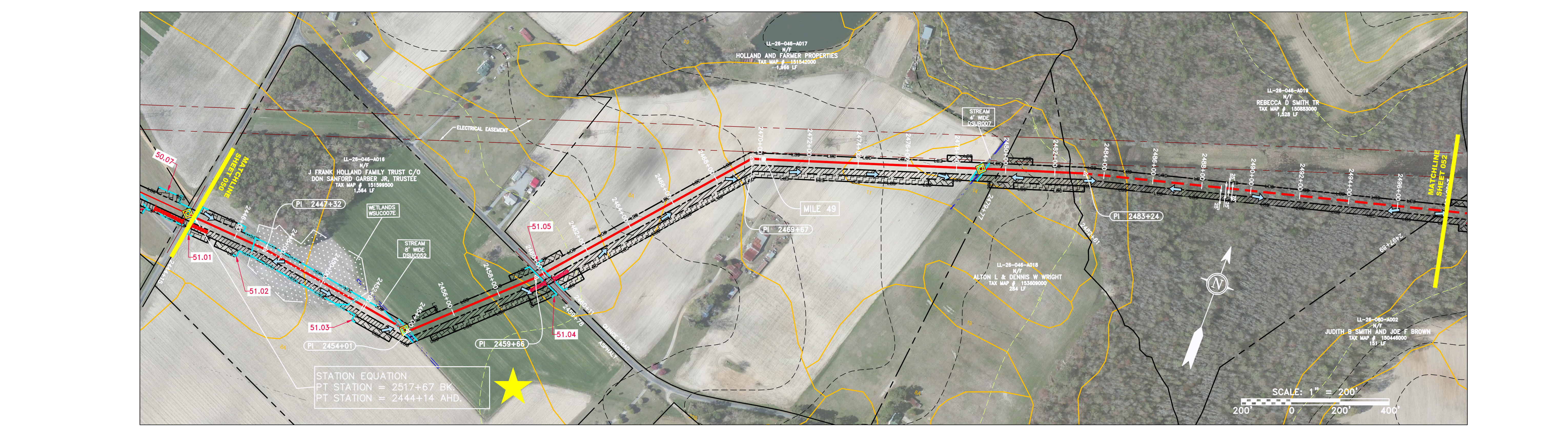
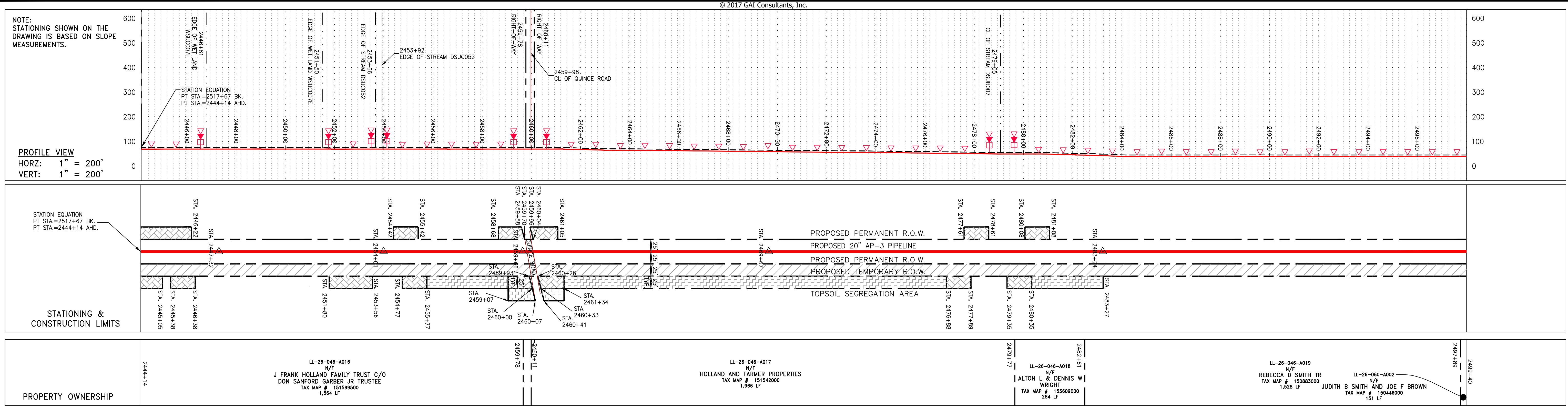
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

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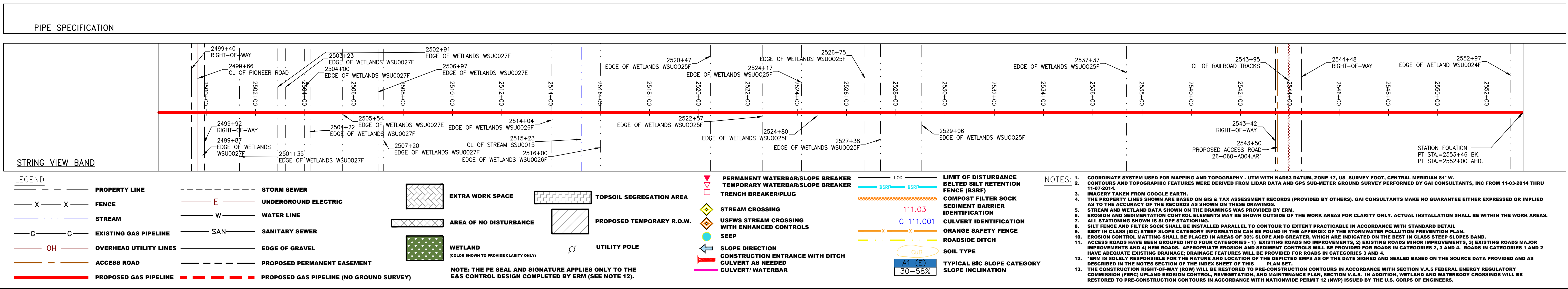
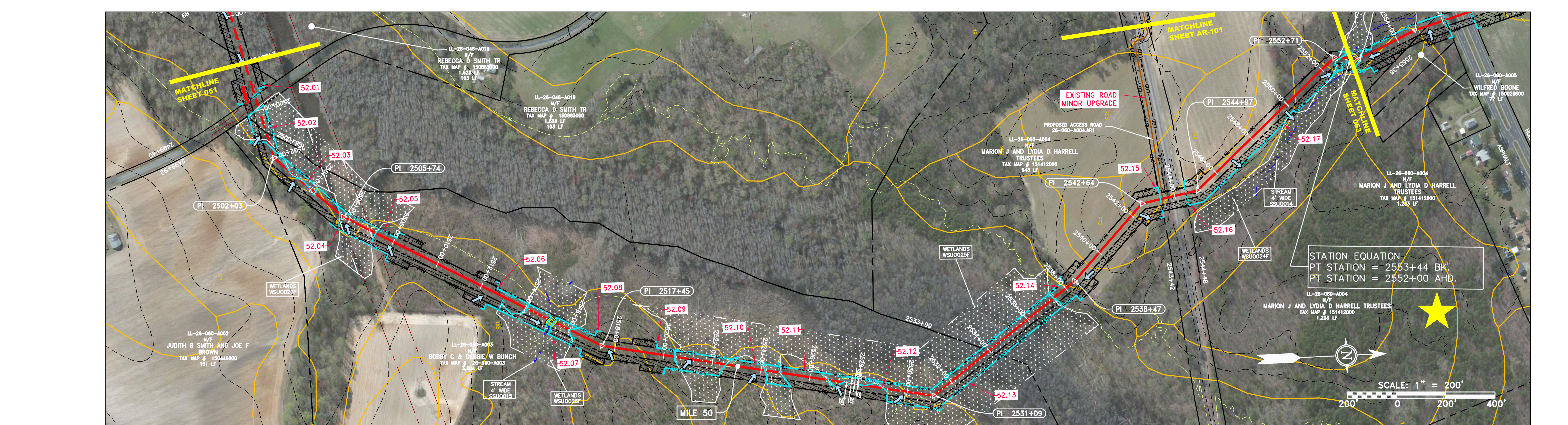
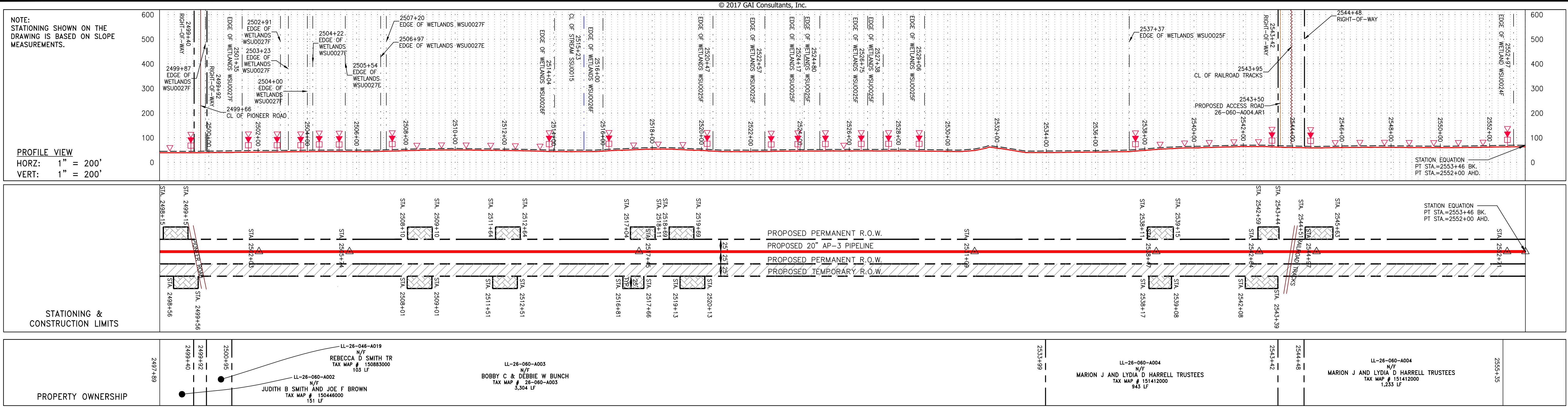
gai consultants
 SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

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 E050
 050 OF 84



REVISIONS	
NO.	DATE
CHKD.	DATE
APPROV.	DATE
CONSTRUCTION ALIGNMENT STA 2444+14 TO 2498+40 CITY OF SUFFOLK, VIRGINIA	
ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 445 W. MAIN STREET, CLARKSBURG, WV 26301	
SCALE:	AS SHOWN
DATE:	4/6/17
DRAWN:	JMS
CHECKED:	DLH
APPROVED:	NET
SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-873-3545	
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO.	140468
TASK NO.	005
SUB TASK NO.	00
GROUP ID	D
DRAWING NO.	E051
051	OF 84



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NO.	DATE	CHKD.	APPROV.	DESCRIPTION

Daniel R. Goldstein
Professional Engineer
Lic. No. 047436

20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 2498+00 TO 2552+00
CITY OF SUFFOLK, 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: JMS
CHECKED: DLH
APPROVED: NET

gai consultants

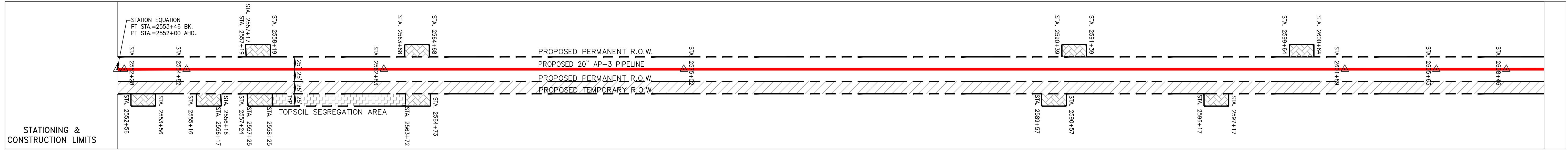
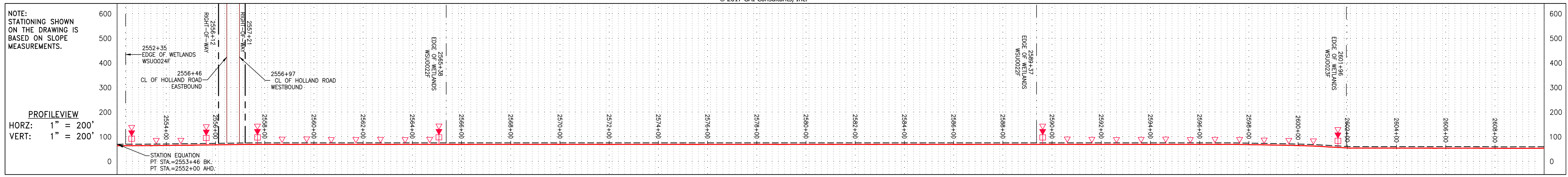
SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-873-3545

mbe
monaloh basin
engineers

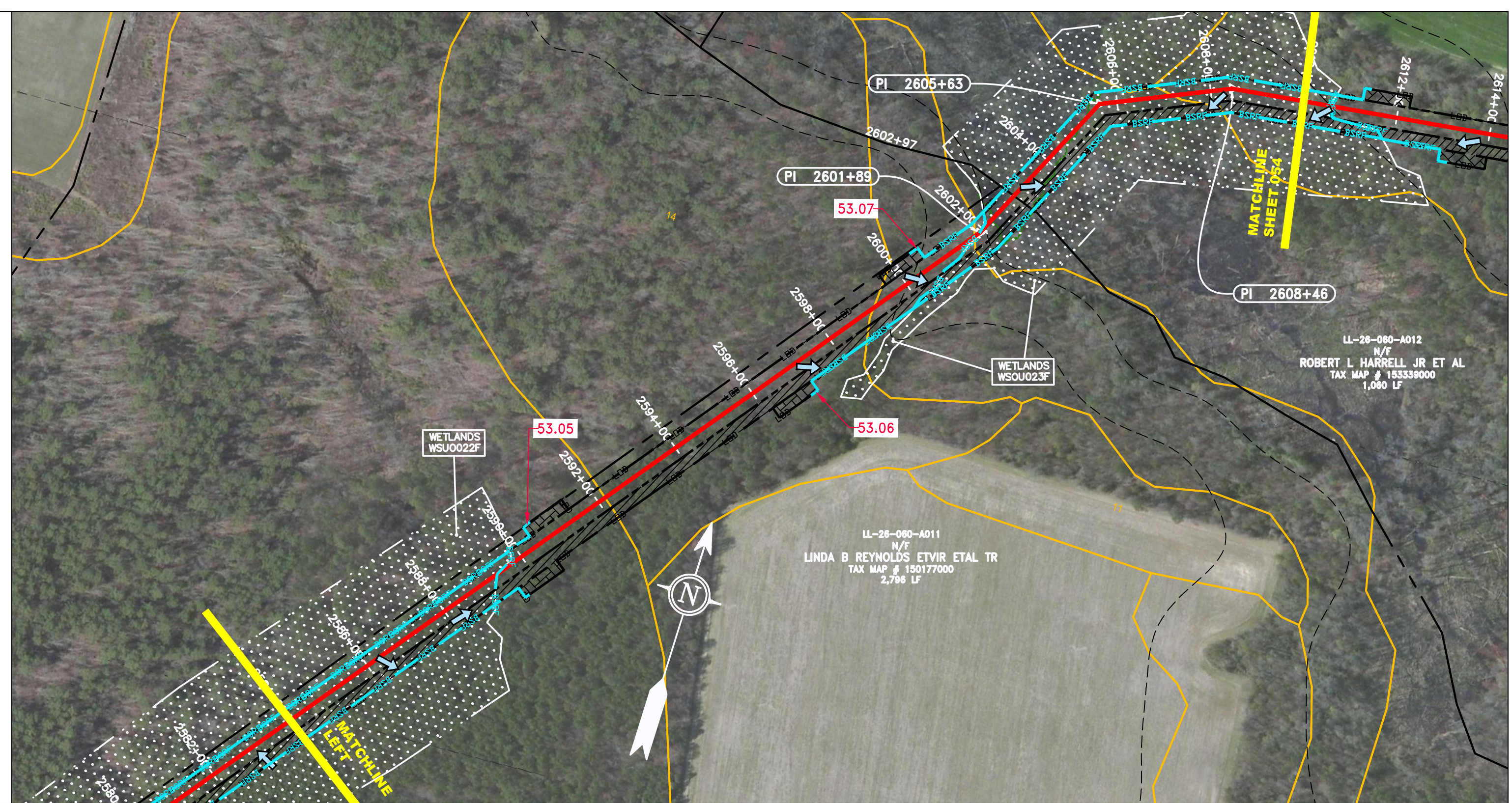
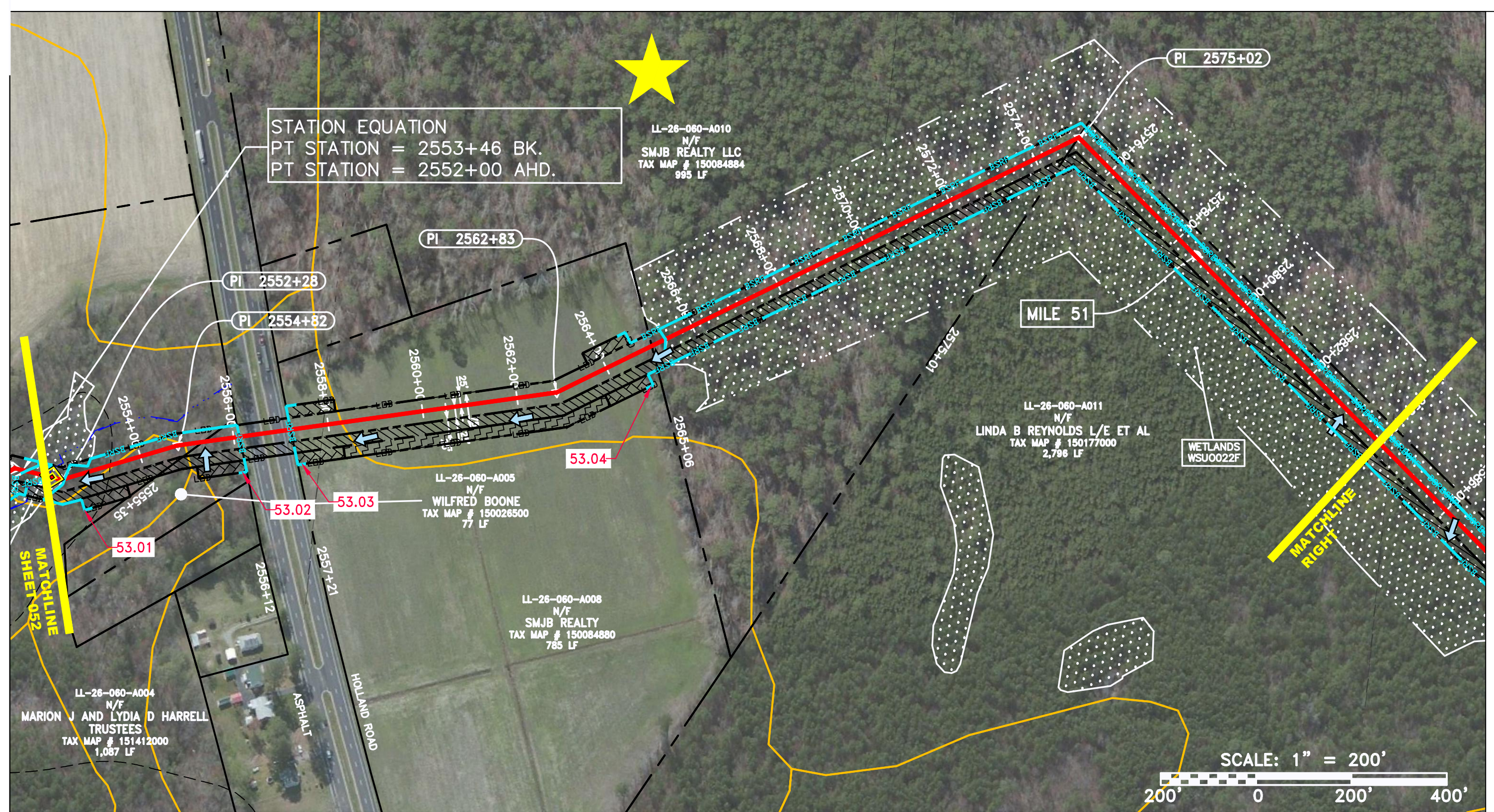
300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

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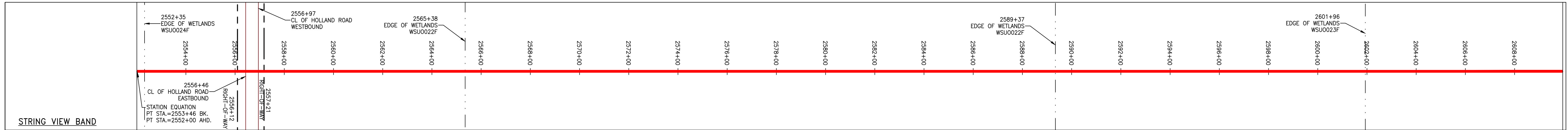
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PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP
LL-26-060-A004 N/F MARION J AND LYDIA D HARRELL TRUSTEES TAX MAP # 151412000 1,087 LF	LL-26-060-A005 N/F WILFRED BOONE TAX MAP # 150028500 77 LF	LL-26-060-A008 N/F SMJB REALTY LLC TAX MAP # 150084880 785 LF	LL-26-060-A010 N/F SMJB REALTY LLC TAX MAP # 150084884 995 LF	LL-26-060-A011 N/F LINDA B REYNOLDS ET VIR ET AL TR TAX MAP # 150177000 2,796 LF	LL-26-060-A012 N/F ROBERT L HARRELL JR ET AL TAX MAP # 153339000 1,060 LF



PIPE SPECIFICATION



<p>LEGEND</p> <ul style="list-style-type: none"> PROPERTY LINE FENCE STREAM EXISTING GAS PIPELINE OVERHEAD UTILITY LINES ACCESS ROAD PROPOSED PERMANENT EASEMENT PROPOSED GAS PIPELINE (NO GROUND SURVEY) STORM SEWER UNDERGROUND ELECTRIC WATER LINE SANITARY SEWER EDGE OF GRAVEL 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 NEIDER CULVERT/WATERBAR L00 111.03 C 111.001 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. 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. 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.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.
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NO.	DATE	CHKD.	APPD.	DESCRIPTION

CONSTRUCTION ALIGNMENT STA 2552+00 TO 2610+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:	4/10/17
DRAWN:	JMS
CHECKED:	DLH
APPROVED:	NET

gai consultants

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

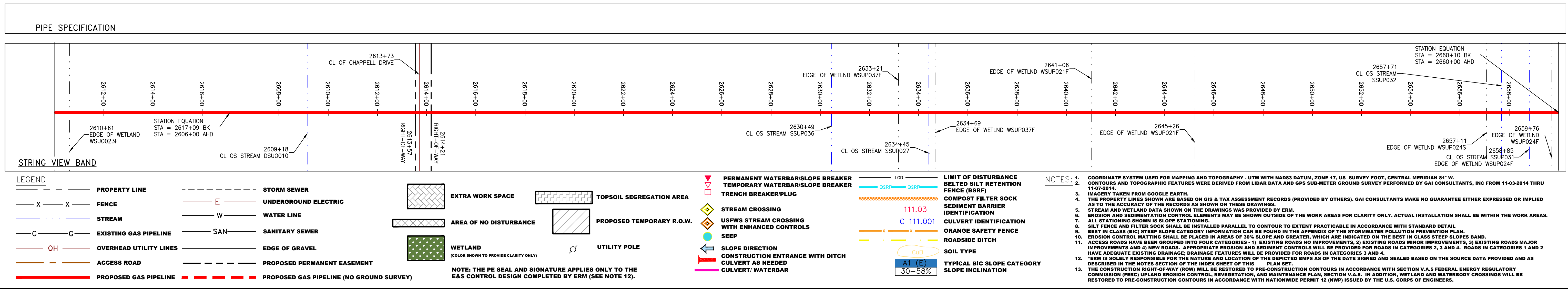
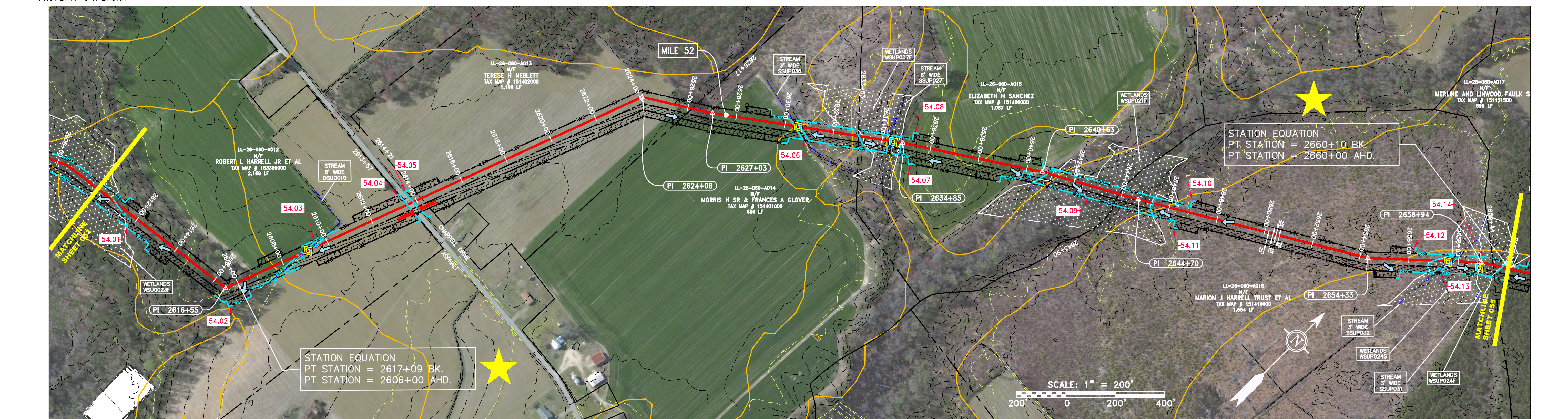
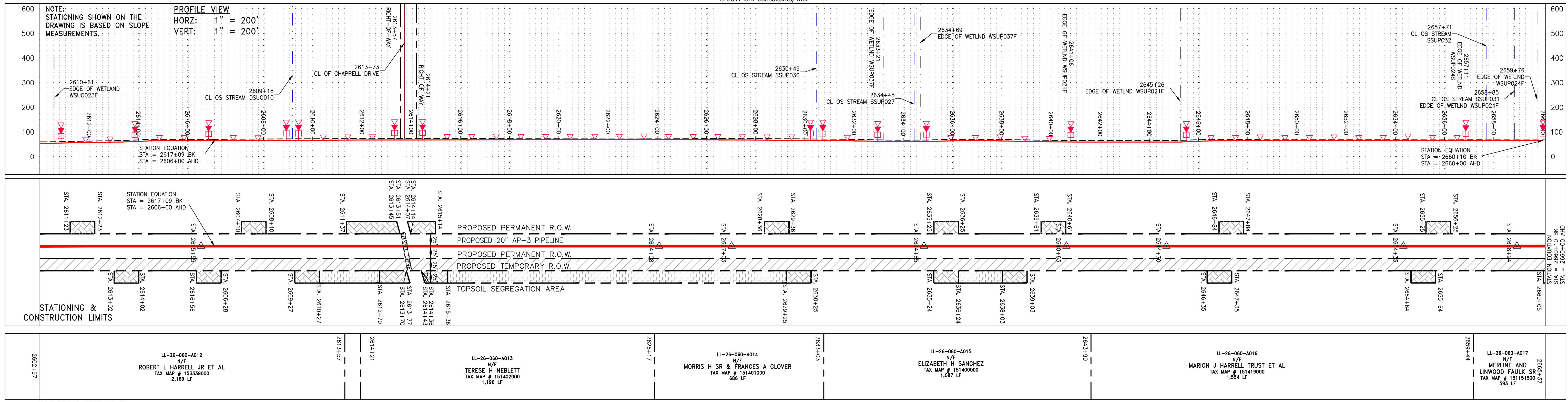
mbe
monahon basin
engineers

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

PROJECT NO./DASH NO.	140468	
TASK NO.	005	SUB TASK NO. 00
GROUP ID	D	DRAWING NO. E053
053	OF	84

GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS ALIGNMENT SHEETS (2665-7 PLAN SHEETS (51-53).DWG

4/10/2017 2:53 PM



REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

Daniel R. Goldstein
 PROFESSIONAL ENGINEER
 Lic. No. 047436

ERM

CONSTRUCTION ALIGNMENT STA 2610+00 TO 2660+00
 CITY OF SUFFOLK, 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: JMS
CHECKED: DLH
APPROVED: NET

gai consultants

monaloh basin engineers

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

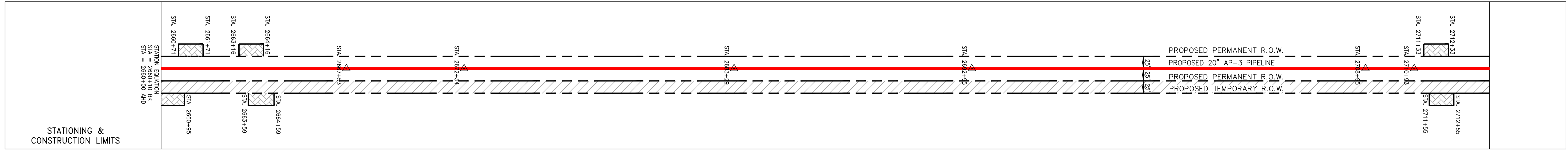
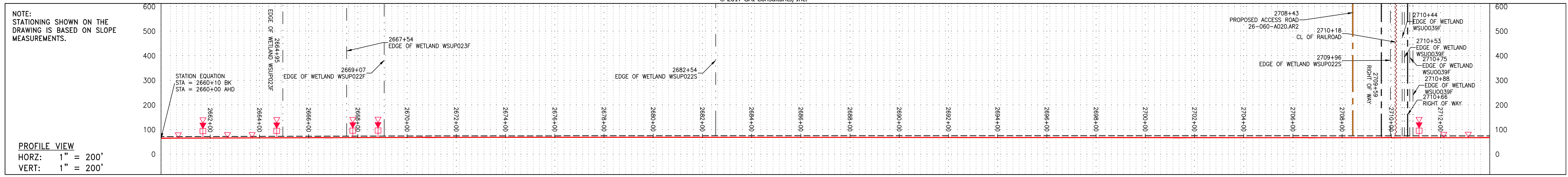
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TASK NO. SUB TASK NO.
 005 00

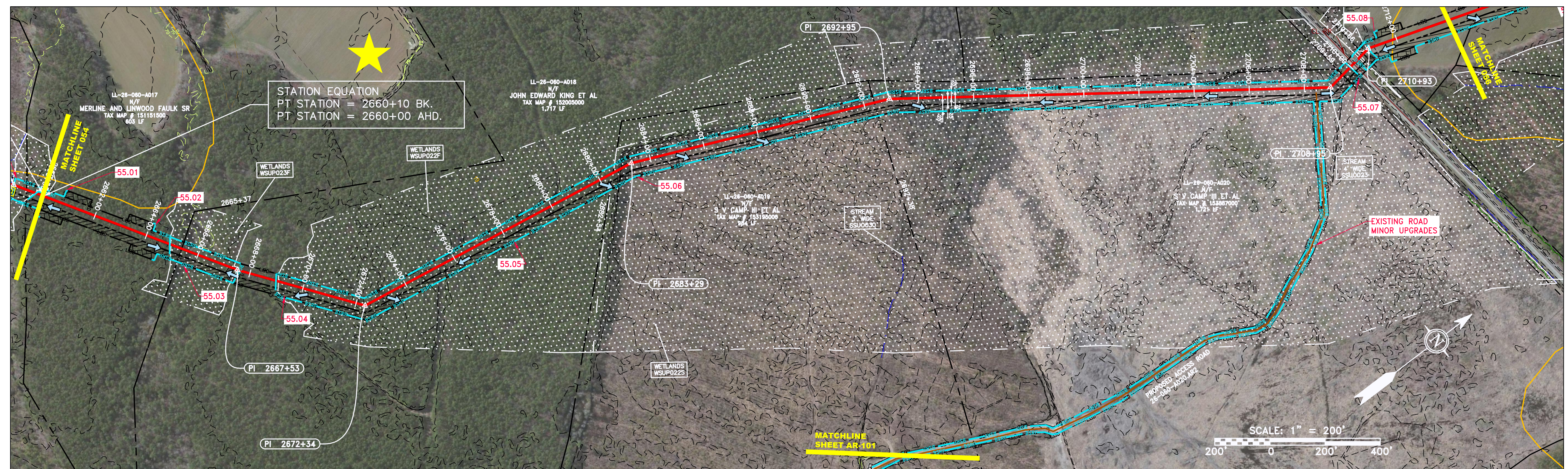
GROUP ID DRAWING NO.
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054 OF 84

3/29/2017 9:18 AM



Station Range	Property Owner
2659+44 - 2665+37	LL-26-060-A017 N/F MERLINE AND LINWOOD FAULK SR TAX MAP # 151151500 605 LF
2665+37 - 2682+54	LL-26-060-A018 N/F JOHN EDWARD KING ET AL TAX MAP # 152005000 1,717 LF
2682+54 - 2692+38	LL-26-060-A019 N/F S V CAMP III ET AL TAX MAP # 153195000 964 LF
2692+38 - 2709+59	LL-26-060-A020 N/F S V CAMP III ET AL TAX MAP # 153887000 1,721 LF
2709+59 - 2715+13	LL-26-060-A021 N/F GAYLE E M ONEAL ET AL TAX MAP # 250214000 447 LF



REVISIONS

No.	DATE	BY	CHKD.	APPROV.	DESCRIPTION

Daniel R. Goldstein
Lic. No. 047436
Professional Engineer

ERM

CONSTRUCTION ALIGNMENT STA 2660+00 TO 2714+00
CITY OF SUFFOLK, 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: JMS
CHECKED: DLH
APPROVED: NET

gai consultants

SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
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412-788-2433

PROJECT NO./DASH NO.
140468

TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E055

055 OF 84

PIPE SPECIFICATION

STRING VIEW BAND

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
- L00
- BSE1
- 111.03
- C 111.001
- 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.
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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.
- 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.
- 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.
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