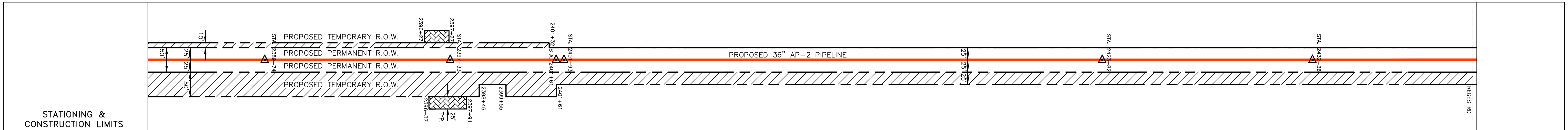
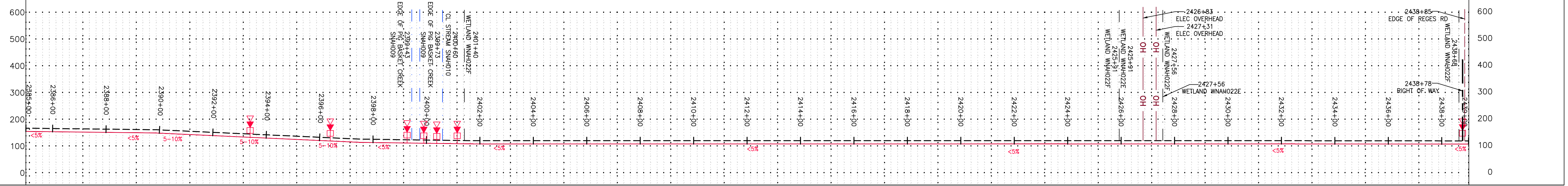
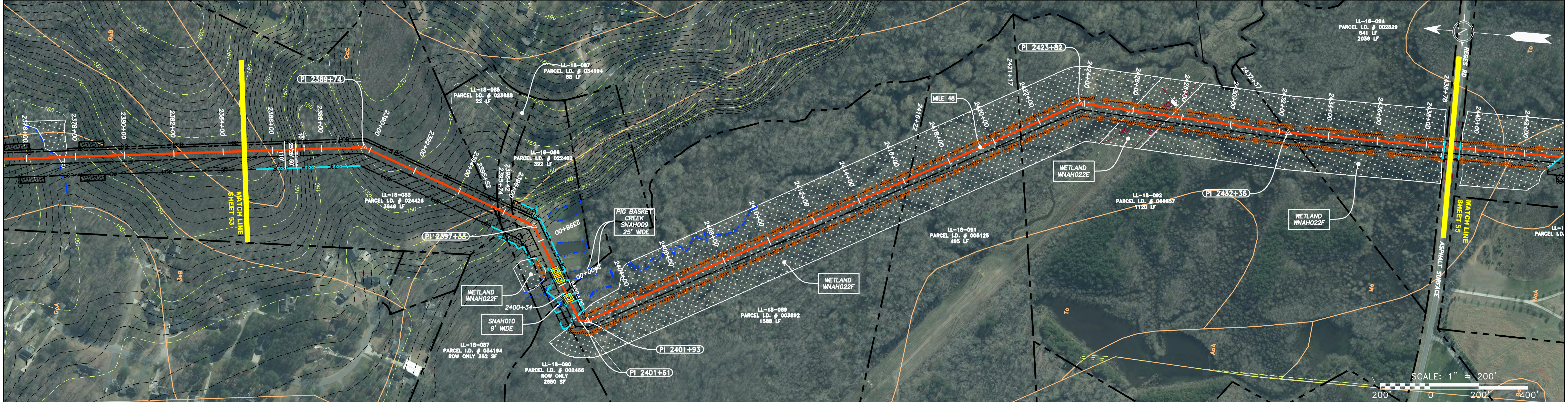


NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

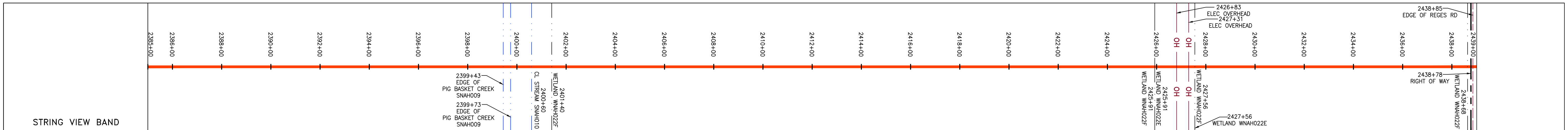
PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



PROPERTY OWNERSHIP table listing parcel IDs, owner names (e.g., LL-18-083, LL-18-087), and acreages.



PIPE SPECIFICATION table with columns for stationing and pipe details.



LEGEND section containing symbols for property lines, fences, streams, gas pipelines, overhead utilities, access roads, storm sewers, water lines, sanitary sewers, edge of gravel, proposed permanent easement, proposed gas pipeline, extra work space, topsoil segregation area, area of no disturbance, proposed temporary R.O.W., wetland, utility pole, limit of disturbance, BSRF, coir log, compost filter sock, orange safety fence, roadside ditch, soil type, permanent waterbar/slope breaker, temporary waterbar/slope breaker, trench breaker/plug, stream crossing, USFWS stream crossing, construction entrance with ditch, culvert/waterbar, and LOD.

- NOTES: 1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. 2. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC. 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. 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 SEDIMENTATION 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. 10. ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

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

Professional Engineer seal for GAI CONSULTANTS, INC. and project information: 36" AP-2 PIPELINE, CONSTRUCTION ALIGNMENT STA 2385+00 TO 2439+00, ATLANTIC COAST PIPELINE, LLC, C/O DOMINION TRANSMISSION, INC., 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330.

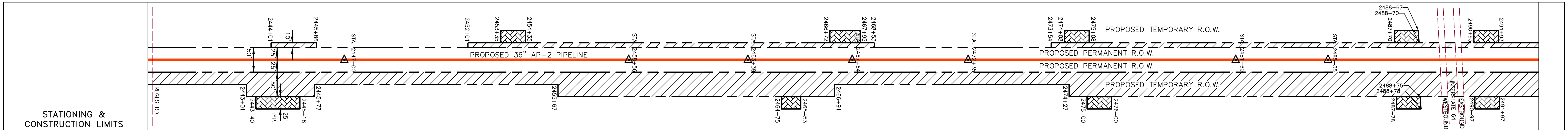
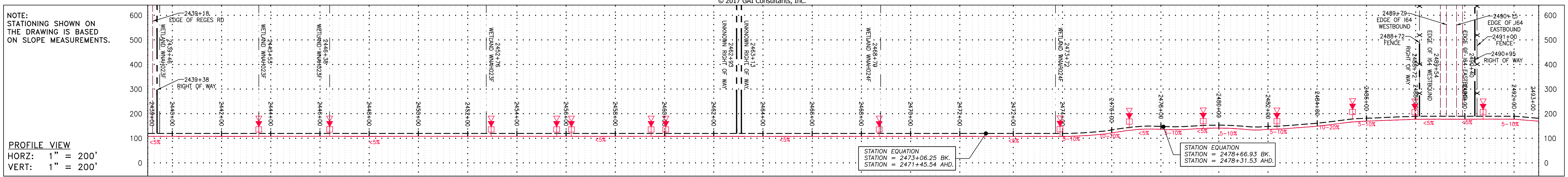
SCALE: AS SHOWN, DATE: 06/09/17, DRAWN: GPT, CHECKED: DLH, APPROVED: NET.

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

PROJECT NO./DASH NO. C140468, TASK NO. 005, SUB TASK NO. 00, GROUP ID D, DRAWING NO. E054, 54 OF 189.

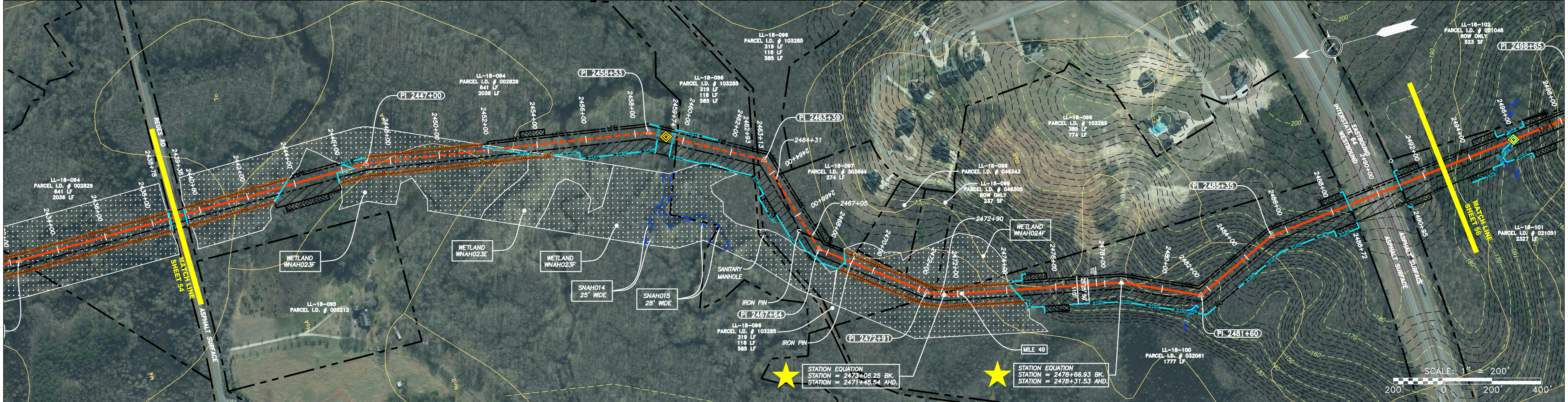
GAI CAD FILE NO. \\GTC-FS1\THRASHER\050-5159 - GIA, INC. - SERP - MAPPING\SURVEY\DRAWING\SEC 9\PLAN SHEETS\SEC 9 SHEETS- 54-57 (45-48) REROUTE.DWG

GAI CAD FILE NO. \ITG-FS\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\RESTORED SHEETS 1-13-17\SEC 9\FULL SET\SEC 9 SHEETS- 54-57 (45-48) REROUTE.DWG



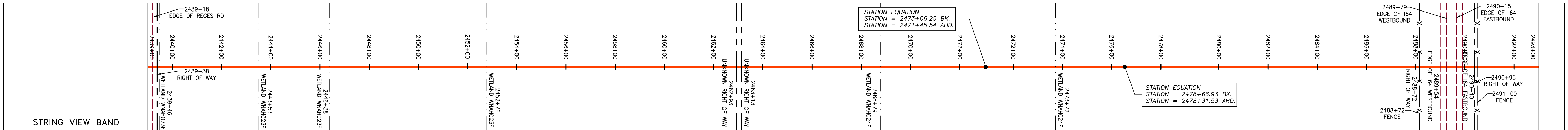
PROPERTY OWNERSHIP table listing parcel IDs and areas:

LL-18-094 PARCEL I.D. #002829 2036 LF	LL-18-096 PARCEL I.D. #103285 319 LF	LL-18-096 PARCEL I.D. #103285 585 LF	LL-18-097 PARCEL I.D. #303644 274 LF	LL-18-099 PARCEL I.D. #046305 237 SF	LL-18-100 PARCEL I.D. #032061 1777 LF	LL-18-101 PARCEL I.D. #021051 2327 LF
---	--	--	--	--	---	---



PIPE SPECIFICATION table:

36\"/>



LEGEND

— X — X —	PROPERTY LINE	— F — F —	UNDERGROUND ELECTRIC	[Hatched Box]	EXTRA WORK SPACE	[Hatched Box]	TOPSOIL SEGREGATION AREA	[Triangle]	PERMANENT WATERBAR/SLOPE BREAKER	[Line]	LOD	LIMIT OF DISTURBANCE
— S — S —	FENCE	— W — W —	STREAM	[Hatched Box]	AREA OF NO DISTURBANCE	[Hatched Box]	PROPOSED TEMPORARY R.O.W.	[Triangle]	TEMPORARY WATERBAR/SLOPE BREAKER	[Line]	BSRF	BELTED SILT RETENTION FENCE (BSRF)
— G — G —	EXISTING GAS PIPELINE	— SAN — SAN —	SANITARY SEWER	[Hatched Box]	UTILITY POLE	[Triangle]	CONSTRUCTION ENTRANCE WITH DITCH	[Triangle]	TRENCH BREAKER/PLUG	[Line]	COIR LOG	COIR LOG
— OH — OH —	OVERHEAD UTILITY LINES	— E — E —	EDGE OF GRAVEL	[Hatched Box]	WETLAND	[Triangle]	CULVERT WATERBAR	[Triangle]	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	[Line]	COMPOST FILTER SOCK	COMPOST FILTER SOCK
— A — A —	ACCESS ROAD	— P — P —	PROPOSED PERMANENT EASEMENT	[Hatched Box]	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 10).	[Triangle]	SOIL TYPE	[Triangle]	ROADSIDE DITCH	[Line]	ORANGE SAFETY FENCE	ORANGE SAFETY FENCE
— G — G —	PROPOSED GAS PIPELINE	— N — N —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Hatched Box]		[Triangle]		[Triangle]	ROADSIDE DITCH	[Line]	YELLOW SAFETY FENCE	YELLOW SAFETY FENCE

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC. FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

REVISIONS

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

PROJECT NO./DASH NO.
C140468

TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E055

55 OF 189

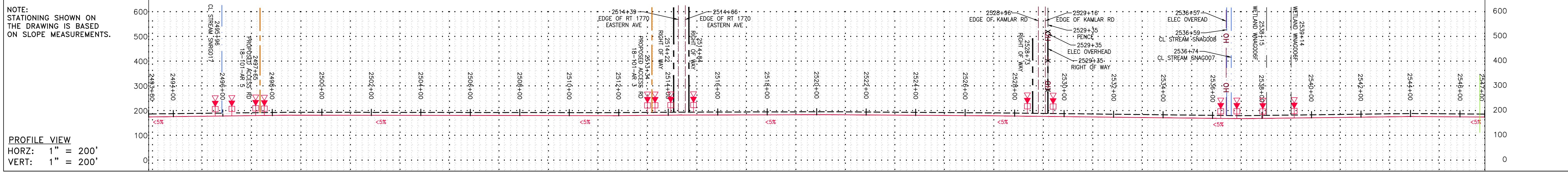
SCALE: AS SHOWN
DATE: 06/09/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

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

CONSTRUCTION ALIGNMENT STA 2439+00 TO 2493+00
NASH COUNTY, NORTH CAROLINA
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

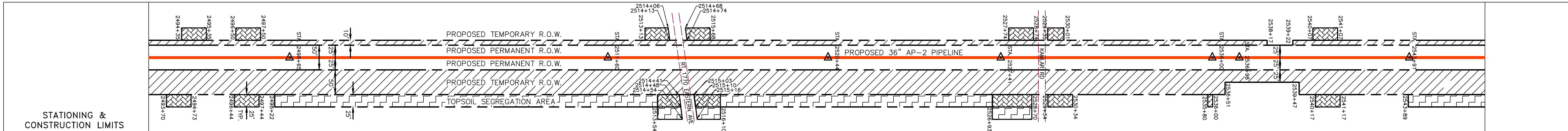
GAI CAD FILE NO. \\\TTC-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - MAPPING\SURVEY\DRAWING\SEC 9\PLAN SHEETS\SEC 9 SHEETS- 54--57 (45-48) REROUTE.DWG

© 2017 GAI Consultants, Inc.

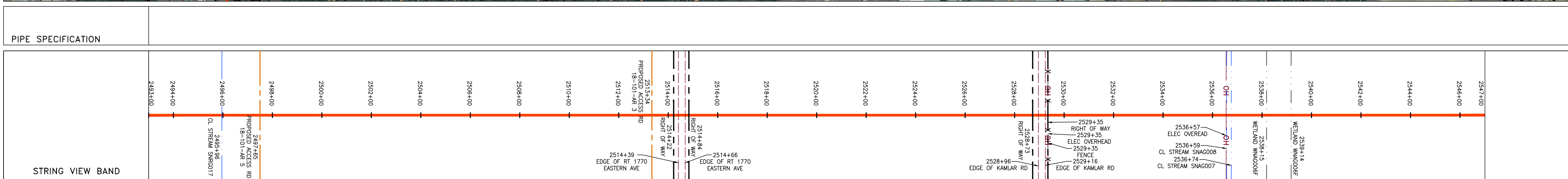


NOTE:
STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

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



Stationing	Parcel I.D.	Area / Description	Area (SF)
2493+00 - 2498+00	LL-18-102	Parcel I.D. #02148 ROW ONLY	523 SF
2498+00 - 2504+00	LL-18-101	Parcel I.D. #021051	2327 LF
2504+00 - 2514+00	LL-18-103	Parcel I.D. #106589	1389 LF
2514+00 - 2529+00	LL-18-105	Parcel I.D. #003320	715 LF
2529+00 - 2536+00	LL-18-106	Parcel I.D. #106340	688 LF
2536+00 - 2544+00	LL-18-107	Parcel I.D. #002464	15 LF
2544+00 - 2547+00	LL-18-108	Parcel I.D. #003799	846 LF



LEGEND

	PROPERTY LINE		UNDERGROUND ELECTRIC		EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA
	FENCE		WATER LINE		AREA OF NO DISTURBANCE		PROPOSED TEMPORARY R.O.W.
	STREAM		SANITARY SEWER		WETLAND (EGLER SHOWN TO PROVIDE CLARITY ONLY)		UTILITY POLE
	EXISTING GAS PIPELINE		EDGE OF GRAVEL	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 10).			
	OVERHEAD UTILITY LINES		PROPOSED PERMANENT EASEMENT		PERMANENT WATERBAR/SLOPE BREAKER		TEMPORARY WATERBAR/SLOPE BREAKER
	ACCESS ROAD		PROPOSED GAS PIPELINE (NO GROUND SURVEY)		TRENCH BREAKER/PLUG		STREAM CROSSING
	PROPOSED GAS PIPELINE				USFWS STREAM CROSSING WITH ENHANCED CONTROLS		CONSTRUCTION ENTRANCE WITH DITCH
					CULVERT/WATERBAR		LIMIT OF DISTURBANCE

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

REVISIONS

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 2493+00 TO 2547+00

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

SCALE: AS SHOWN

DATE: 06/09/17

DRAWN: GPT

CHECKED: DLH

APPROVED: NET

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

PROJECT NO./DASH NO.
C140468

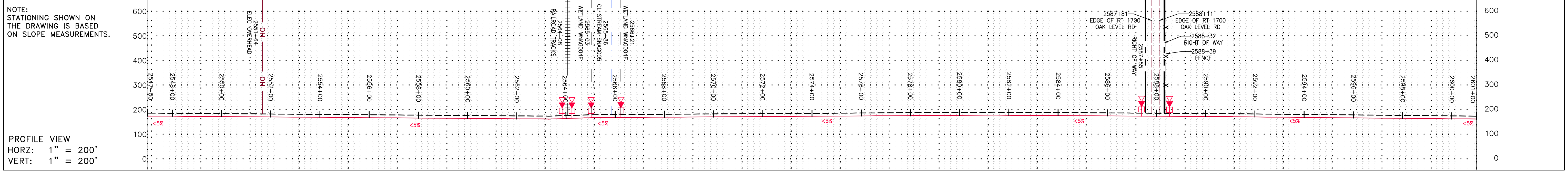
TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E056

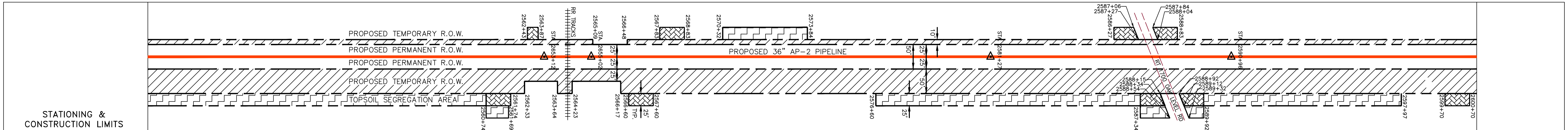
56 OF 189

GAI CAD FILE NO. \TTG-FS\THRASHER\050-5159 - GAI, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 9\PLAN SHEETS\SEC 9 SHEETS- 54-57 (45-48) REROUTE.DWG

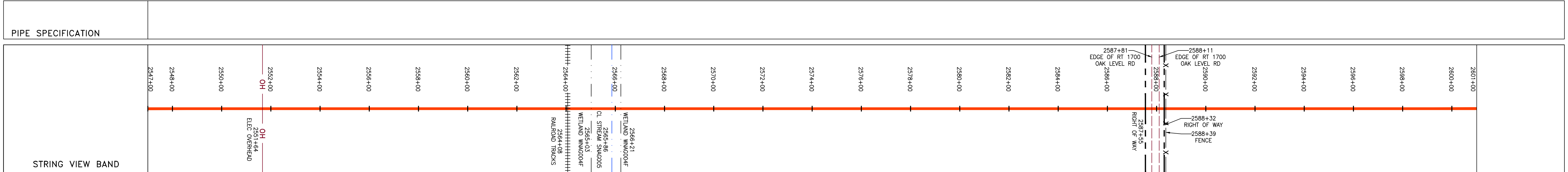
© 2017 GAI Consultants, Inc.



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



PROPERTY OWNERSHIP
LL-18-108 PARCEL I.D. #003799 846 LF
LL-18-109 PARCEL I.D. #005569 1192 LF
LL-18-110 PARCEL I.D. #303876 91 LF
LL-18-111 PARCEL I.D. #302283 1057 LF
LL-18-113 PARCEL I.D. #038776 1219 LF
LL-18-114 PARCEL I.D. #302850 1702 LF



LEGEND

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

NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 10).

NOTES:

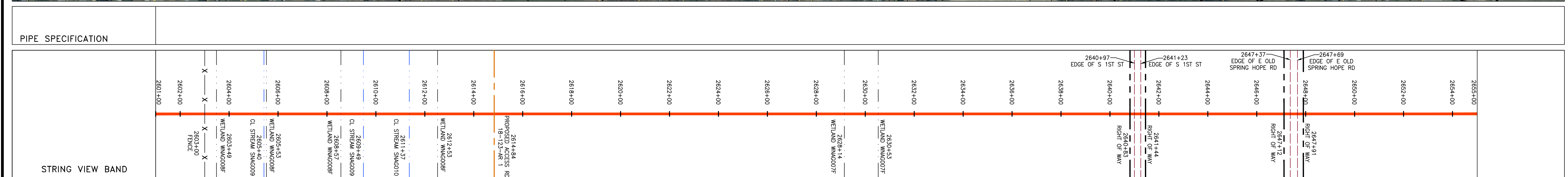
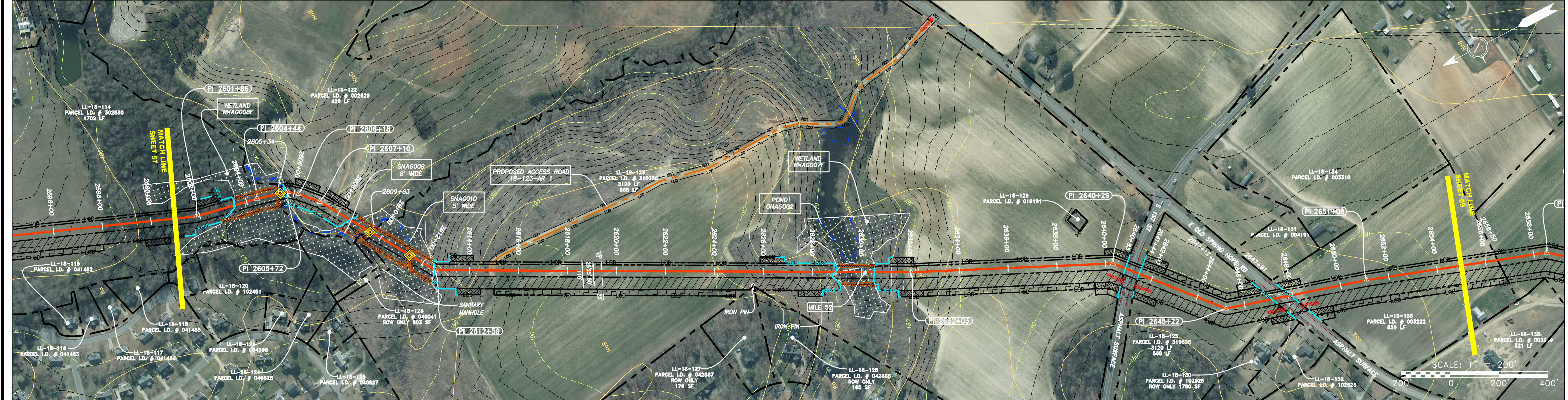
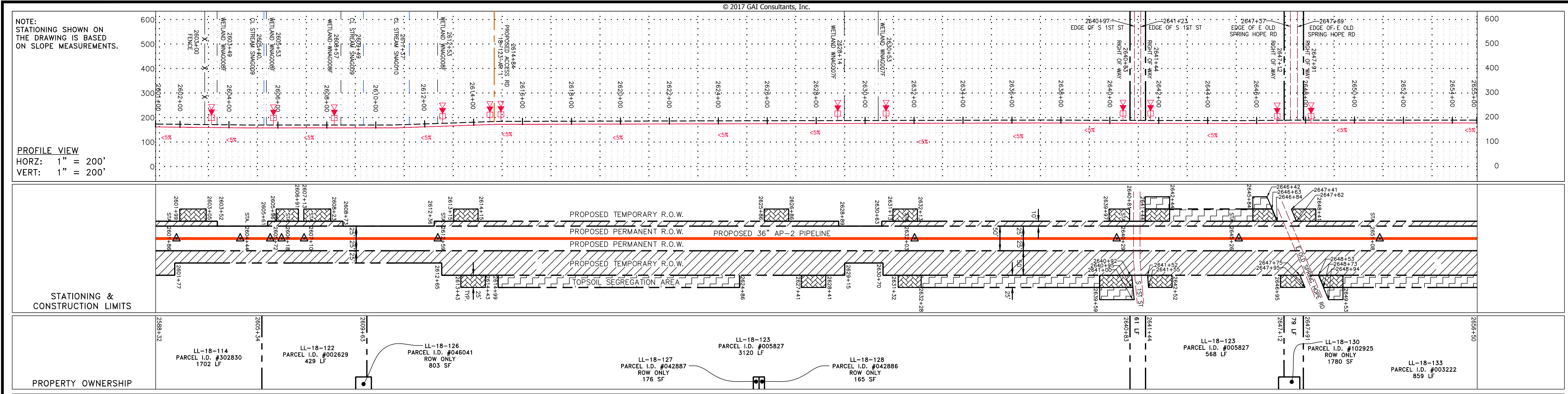
- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC. FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENTATION CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

REVISIONS		DESCRIPTION
NO.	DATE	DWN.

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

PROJECT NO./DASH NO. **C140468**
 TASK NO. SUB TASK NO. **005 00**
 GROUP ID DRAWING NO. **D E057**
 57 OF 189

GAI CAD FILE NO. \TTC-FS\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING SURVEY DRAWING SEC 9 PLAN SHEETS SEC 9 SHEETS 58-61 (49-52) ROUTE.DWG



LEGEND

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

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC. FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS); GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

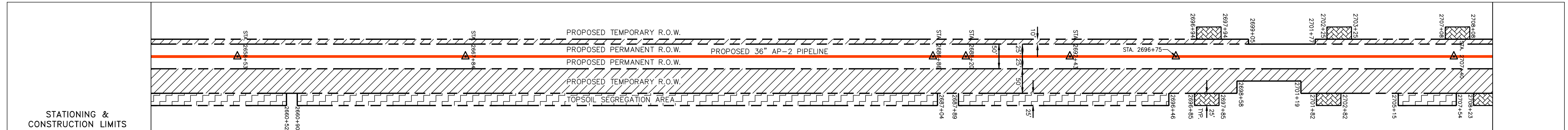
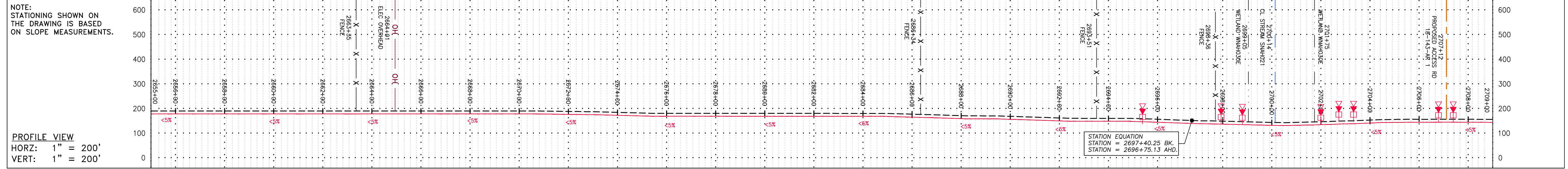
REVISIONS	
NO.	DATE
CHKD.	DWN.
APPRD.	DESCRIPTION

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 2601+00 TO 2655+00
 NASH COUNTY, NORTH CAROLINA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

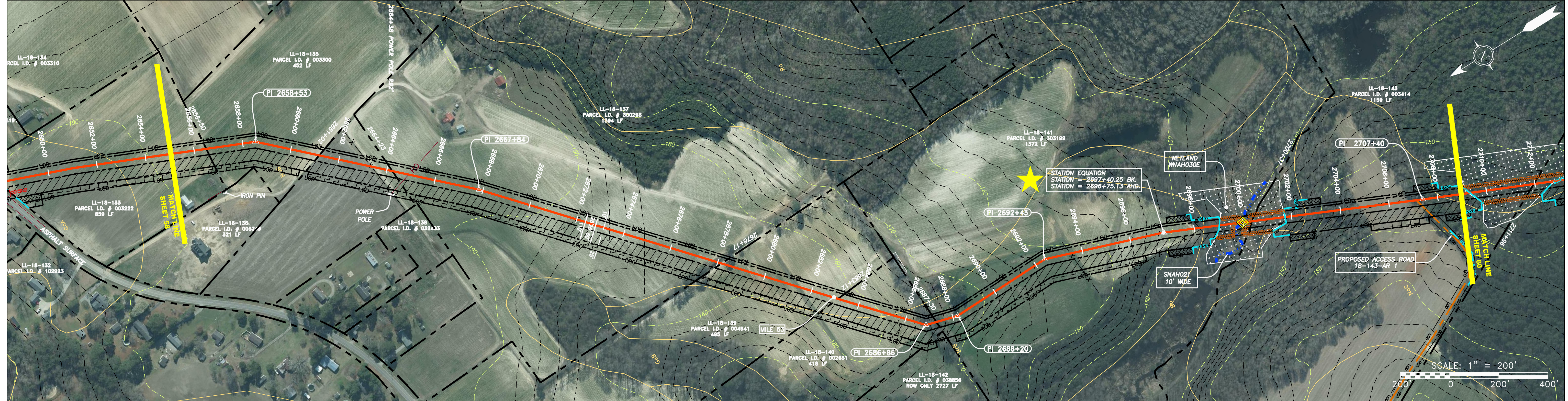
SCALE: AS SHOWN
 DATE: 06/09/17
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET

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

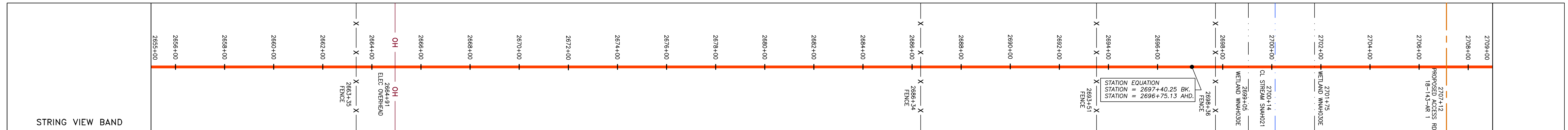
PROJECT NO./DASH NO.
C140468
 TASK NO. SUB TASK NO.
005 00
 GROUP ID DRAWING NO.
D E058
58 OF 189



PROPERTY OWNERSHIP	Parcel I.D.	Area (LF)
LL-18-135	#003300	452 LF
LL-18-136	#003249	321 LF
LL-18-133	#003222	859 LF
LL-18-137	#300298	1394 LF
LL-18-139	#004941	495 LF
LL-18-140	#002631	418 LF
LL-18-142	#038856	ROW ONLY 2727 LF
LL-18-141	#303199	1372 LF
LL-18-143	#003414	1159 LF



PIPE SPECIFICATION
2654+00
2654+00
2659+00
2664+00
2669+00
2674+00
2679+00
2684+00
2689+00
2694+00
2699+00
2704+00
2709+00



LEGEND

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

EXTRA WORK SPACE

TOPSOIL SEGREGATION AREA

AREA OF NO DISTURBANCE

WETLAND
(COLOR SHOWN TO PROVIDE CLARITY ONLY)

UTILITY POLE

PERMANENT WATERBAR/SLOPE BREAKER

TEMPORARY WATERBAR/SLOPE BREAKER

TRENCH BREAKER/PLUG

STREAM CROSSING

USFWS STREAM CROSSING WITH ENHANCED CONTROLS

CONSTRUCTION ENTRANCE WITH DITCH

CULVERT/WATERBAR

LOD - LIMIT OF DISTURBANCE

BSRF - BELTED SILT RETENTION FENCE (BSRF)

COIR LOG

COMPOST FILTER SOCK

ORANGE SAFETY FENCE

ROADSIDE DITCH

SOIL TYPE

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC. FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENTATION CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 2655+00 TO 2709+00

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

SCALE: AS SHOWN
DATE: 06/09/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

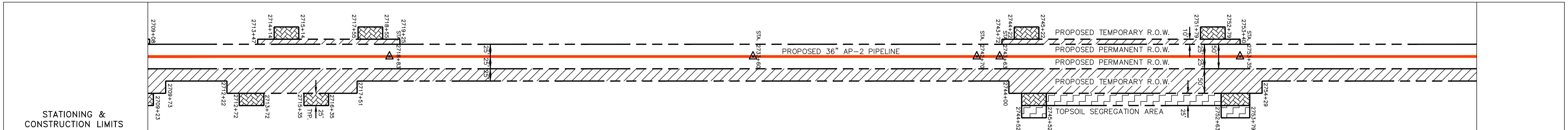
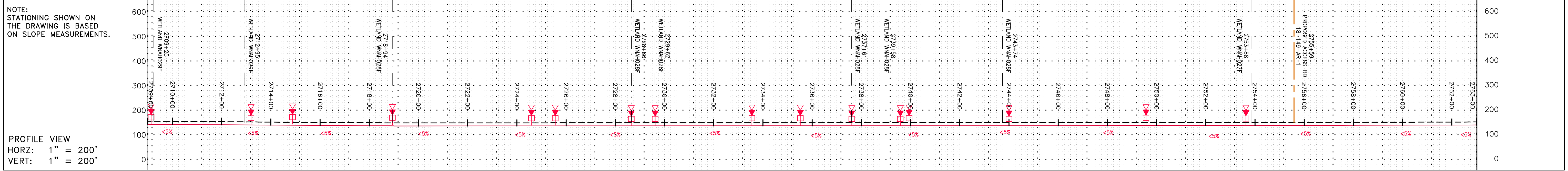
gai consultants - NC, inc.
4198 COX ROAD
SUITE 114
GLEN ALLEN, VA 23060
804-270-9357
N.C. COL #0269

PROJECT NO./DASH NO.
C140468

TASK NO. SUB TASK NO.
005 00

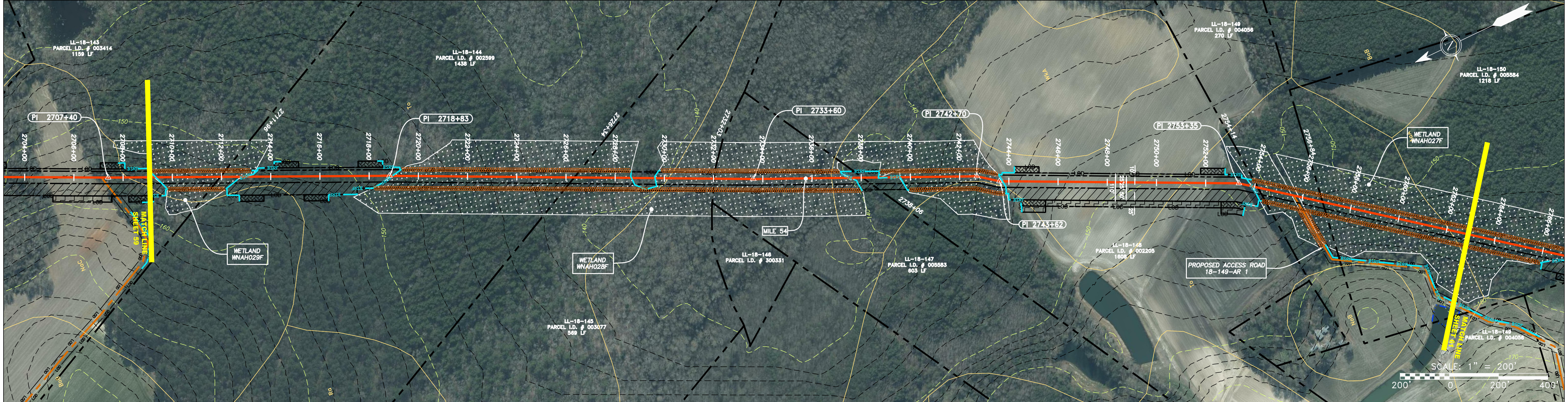
GROUP ID DRAWING NO.
D E059

59 OF 189



PROPERTY OWNERSHIP

2709+00 to 2711+36	2711+36 to 2717+51	2717+51 to 2728+34	2728+34 to 2732+03	2732+03 to 2738+06	2738+06 to 2744+00	2744+00 to 2754+00	2754+00 to 2763+00
LL-18-143 PARCEL I.D. #003414 1159 LF	LL-18-144 PARCEL I.D. #002599 1438 LF	LL-18-145 PARCEL I.D. #003077 569 LF	LL-18-147 PARCEL I.D. #005583 603 LF	LL-18-148 PARCEL I.D. #002205 1608 LF	LL-18-149 PARCEL I.D. #004056 270 LF	LL-18-150 PARCEL I.D. #005584 1218 LF	



PIPE SPECIFICATION

STRING VIEW BAND

2709+00	2710+00	2712+00	2714+00	2716+00	2718+00	2720+00	2722+00	2724+00	2726+00	2728+00	2730+00	2732+00	2734+00	2736+00	2738+00	2740+00	2742+00	2744+00	2746+00	2748+00	2750+00	2752+00	2754+00	2756+00	2758+00	2760+00	2762+00	2763+00
WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F	WETLAND WNAH029F

LEGEND

— X — X —	PROPERTY LINE	— F — F —	FENCE	— S — S —	STREAM	— G — G —	EXISTING GAS PIPELINE	— OH —	OVERHEAD UTILITY LINES	— A — A —	ACCESS ROAD	— P — P —	PROPOSED GAS PIPELINE	— E — E —	PROPOSED PERMANENT EASEMENT	— G — G —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)										
— U — U —	UNDERGROUND ELECTRIC	— W — W —	WATER LINE	— SAN —	SANITARY SEWER	— EG —	EDGE OF GRAVEL	— P — P —	PROPOSED PERMANENT R.O.W.	— T — T —	TOPSOIL SEGREGATION AREA	— A — A —	AREA OF NO DISTURBANCE	— W — W —	WETLAND	— U — U —	UTILITY POLE										
— P — P —	PERMANENT WATERBAR/SLOPE BREAKER	— T — T —	TEMPORARY WATERBAR/SLOPE BREAKER	— B — B —	BRETTING	— S — S —	STREAM CROSSING	— U — U —	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	— C — C —	CONSTRUCTION ENTRANCE WITH DITCH	— W — W —	CULVERT/WATERBAR	— L — L —	LIMIT OF DISTURBANCE	— B — B —	BELTED SILT RETENTION FENCE (BSRF)	— C — C —	COIR LOG	— F — F —	COMPOST FILTER SOCK	— O — O —	ORANGE SAFETY FENCE	— R — R —	ROADSIDE DITCH	— C — C —	SOIL TYPE

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS 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.

DESCRIPTION	
NO.	DATE
DWN.	CHKD.
APPD.	

REVISIONS

SCALE: AS SHOWN
 DATE: 06/09/17
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET

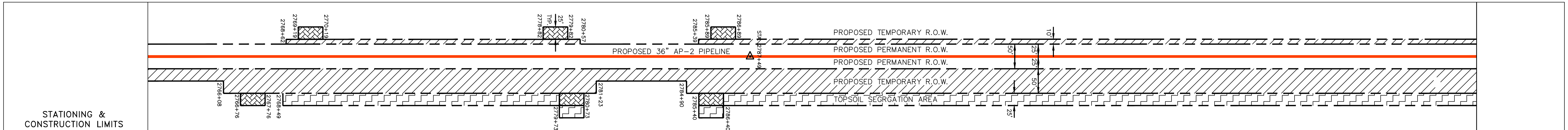
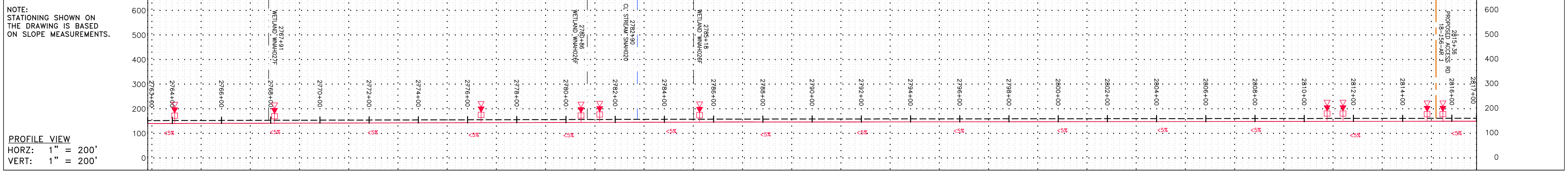
PROJECT NO./DASH NO.
C140468

TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E060

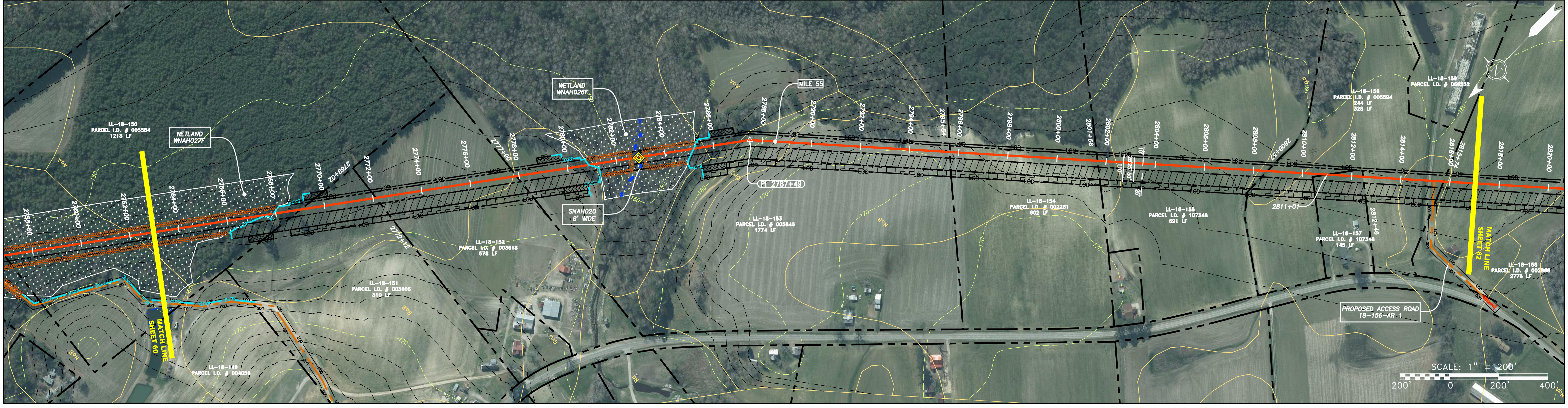
60 OF 189

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



PROPERTY OWNERSHIP

2763+00	2769+00	2772+00	2777+00	2781+00	2785+00	2789+00	2794+00	2799+00	2804+00	2809+00	2814+00	2817+00
LL-18-150 PARCEL I.D. #005584 1218 LF	LL-18-151 PARCEL I.D. #003606 310 LF	LL-18-152 PARCEL I.D. #003618 578 LF	LL-18-153 PARCEL I.D. #005846 1774 LF	LL-18-154 PARCEL I.D. #002281 602 LF	LL-18-155 PARCEL I.D. #107348 691 LF	LL-18-156 PARCEL I.D. #005594 244 LF	LL-18-157 PARCEL I.D. #107348 145 LF	LL-18-158 PARCEL I.D. #002868 2776 LF				



PIPE SPECIFICATION

2763+00	2764+00	2766+00	2768+00	2770+00	2772+00	2774+00	2776+00	2778+00	2780+00	2782+00	2784+00	2786+00	2788+00	2790+00	2792+00	2794+00	2796+00	2798+00	2800+00	2802+00	2804+00	2806+00	2808+00	2810+00	2812+00	2814+00	2816+00	2817+00

STRING VIEW BAND

LEGEND

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

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

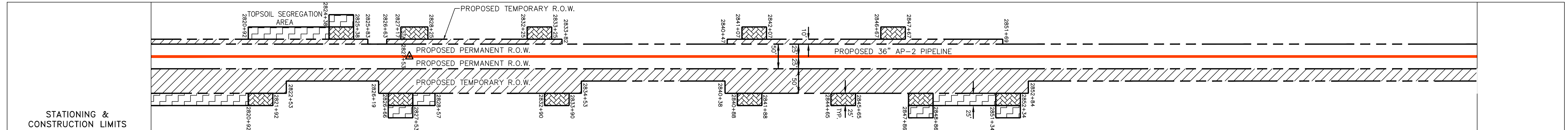
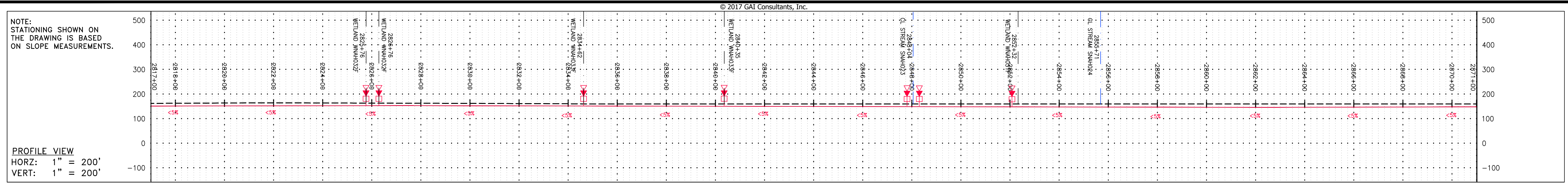
PROFESSIONAL SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 State of North Carolina
 License No. 10000
 A. ROBERTSON

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

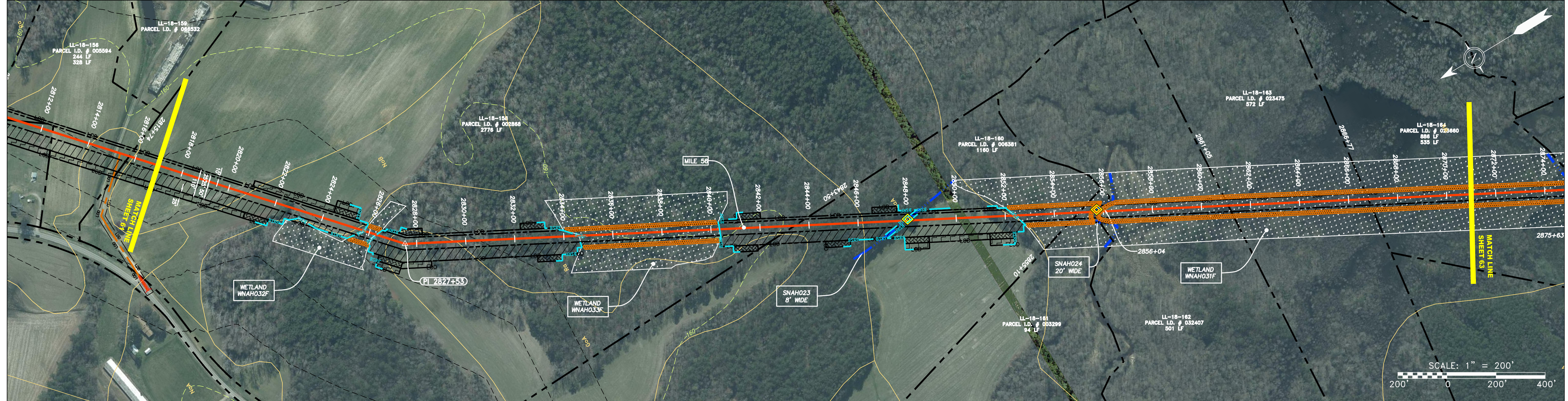
SCALE: AS SHOWN
DATE: 06/09/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

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

PROJECT NO./DASH NO. C140468
TASK NO. SUB TASK NO. 005 00
GROUP ID DRAWING NO. D E061
61 OF 189



PROPERTY OWNERSHIP
LL-18-158 PARCEL I.D. #002868 2776 LF
LL-18-160 PARCEL I.D. #006381 1160 LF
LL-18-161 PARCEL I.D. #003299 94 LF
LL-18-162 PARCEL I.D. #032407 501 LF
LL-18-163 PARCEL I.D. #023475 572 LF
LL-18-164 PARCEL I.D. #023660 886 LF



PIPE SPECIFICATION
2817+00
2818+00
2820+00
2822+00
2824+00
2826+00
2828+00
2830+00
2832+00
2834+00
2836+00
2838+00
2840+00
2842+00
2844+00
2846+00
2850+00
2852+00
2854+00
2856+00
2860+00
2862+00
2864+00
2866+00
2868+00
2870+00
2871+00

LEGEND

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

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC. FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

REVISIONS		DESCRIPTION
NO.	DATE	DWN.
CHKD.	APPD.	

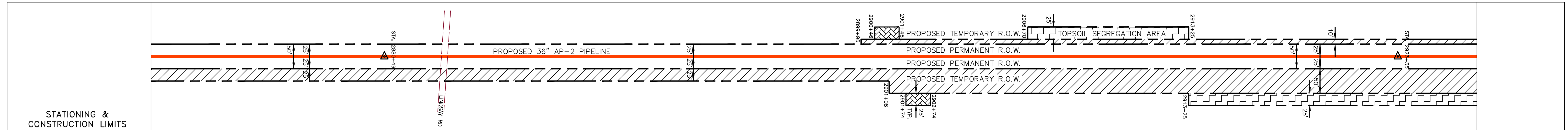
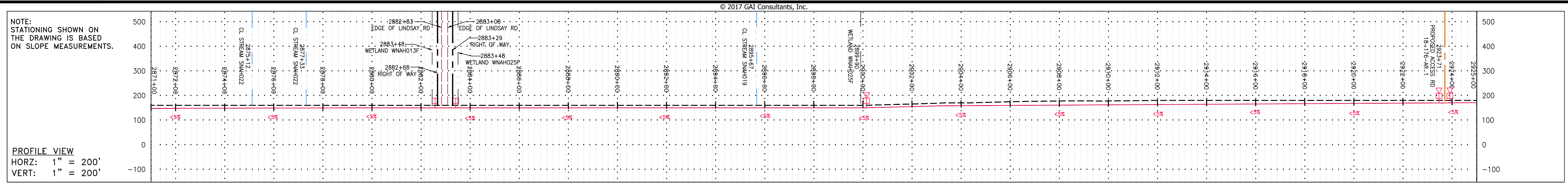
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 2817+00 TO 2871+00
NASH COUNTY, NORTH CAROLINA

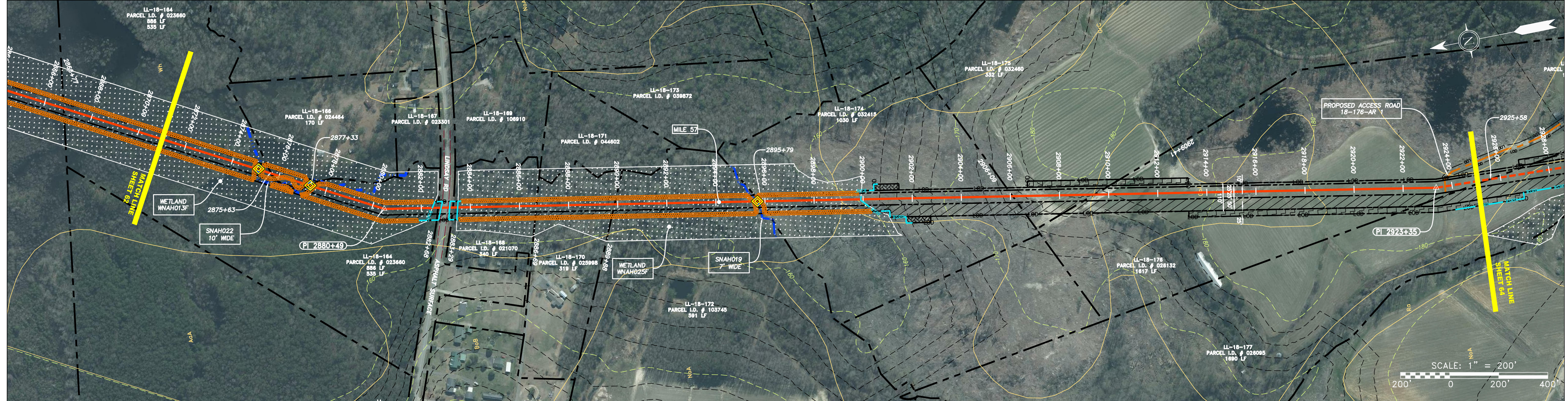
SCALE:	AS SHOWN
DATE:	06/09/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

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

PROJECT NO./DASH NO.	C140468	
TASK NO.	005	SUB TASK NO. 00
GROUP ID	D	DRAWING NO. E062
62		OF 189



Stationing	Property Ownership
2866+77	LL-18-164 PARCEL I.D. #023660 886 LF
2875+43	LL-18-166 PARCEL I.D. #024464 170 LF
2877+33	LL-18-164 PARCEL I.D. #023660 886 LF
2882+08	LL-18-168 PARCEL I.D. #021070 340 LF
2883+29	LL-18-170 PARCEL I.D. #025998 319 LF
2883+48	LL-18-172 PARCEL I.D. #103745 591 LF
2894+80	LL-18-174 PARCEL I.D. #032415 1030 LF
2906+00	LL-18-175 PARCEL I.D. #032460 332 LF
2914+00	LL-18-176 PARCEL I.D. #026132 1617 LF



Stationing	String View Band
2871+00	EDGE OF LINDSAY RD
2874+00	WETLAND WNAH013F
2875+00	CL STREAM SNAH022
2877+00	CL STREAM SNAH022
2882+08	EDGE OF LINDSAY RD
2883+29	EDGE OF LINDSAY RD
2883+48	WETLAND WNAH025F
2894+80	CL STREAM SNAH019
2899+80	WETLAND WNAH025F
2900+00	WETLAND WNAH025F
2902+00	WETLAND WNAH025F
2904+00	WETLAND WNAH025F
2906+00	WETLAND WNAH025F
2908+00	WETLAND WNAH025F
2910+00	WETLAND WNAH025F
2914+00	WETLAND WNAH025F
2916+00	WETLAND WNAH025F
2920+00	WETLAND WNAH025F
2922+00	WETLAND WNAH025F
2924+00	WETLAND WNAH025F
2925+00	PROPOSED ACCESS RD 18-176-AR 1

LEGEND

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

NOTES:

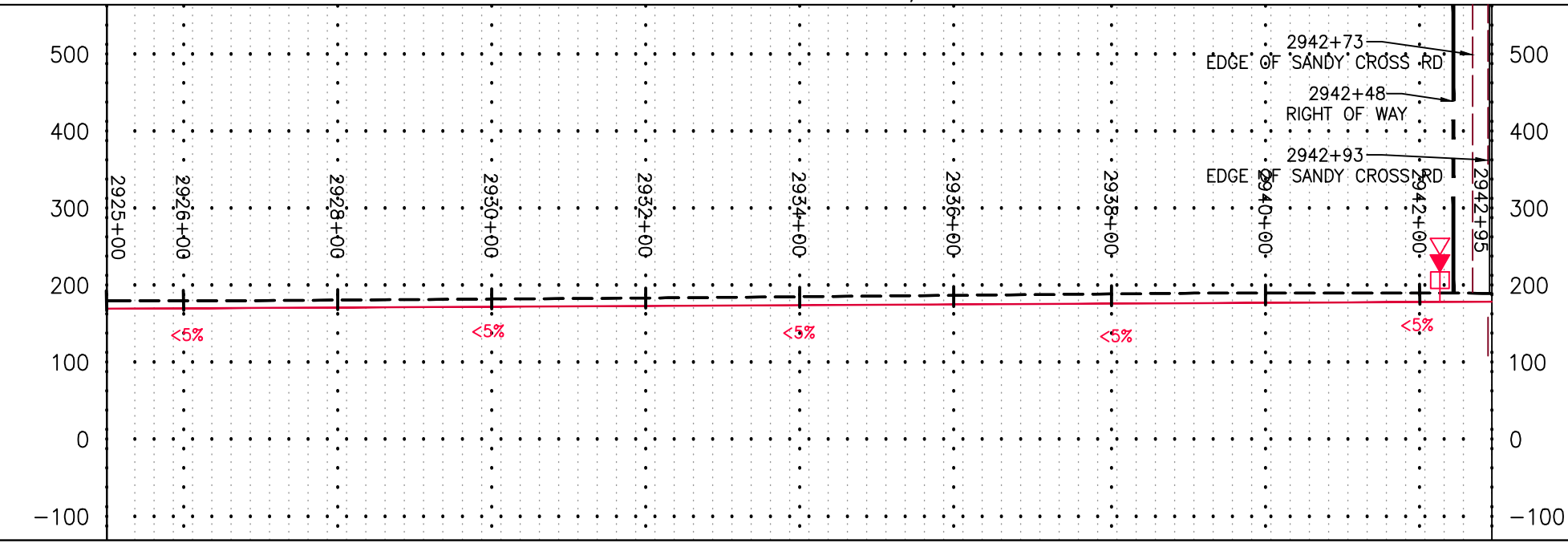
- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- 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.

<p>© 2017 GAI Consultants, Inc.</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DWN.</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	DWN.	CHKD.	APPD.	DESCRIPTION						
NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION								
<p>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330</p>													
<p>36" AP-2 PIPELINE CONSTRUCTION ALIGNMENT STA 2871+00 TO 2925+00 NASH COUNTY, NORTH CAROLINA</p>													
<p>SCALE: AS SHOWN DATE: 06/09/17 DRAWN: GPT CHECKED: DLH APPROVED: NET</p>													
<p>gai consultants - NC, inc. 4198 COX ROAD SUITE 114 GLEN ALLEN, VA 23060 804-270-9357 N.C. COL #P-0269</p>													
<p>PROJECT NO./DASH NO. C140468</p>													
<p>TASK NO. SUB TASK NO. 005 00</p>													
<p>GROUP ID DRAWING NO. D E063</p>													
<p>63 OF 189</p>													

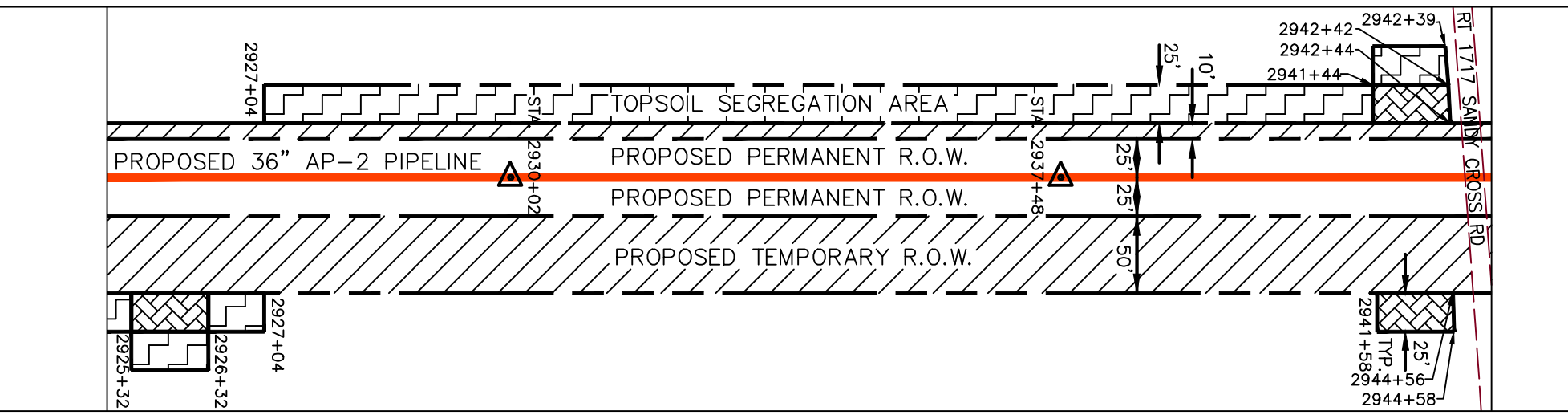
GAI CAD FILE NO. \ITG-FS1\THRASHER\050-5159 - GAI, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 9\PLAN SHEETS\SEC 9 SHEETS- 62-64 (53-55) REROUTE.DWG

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

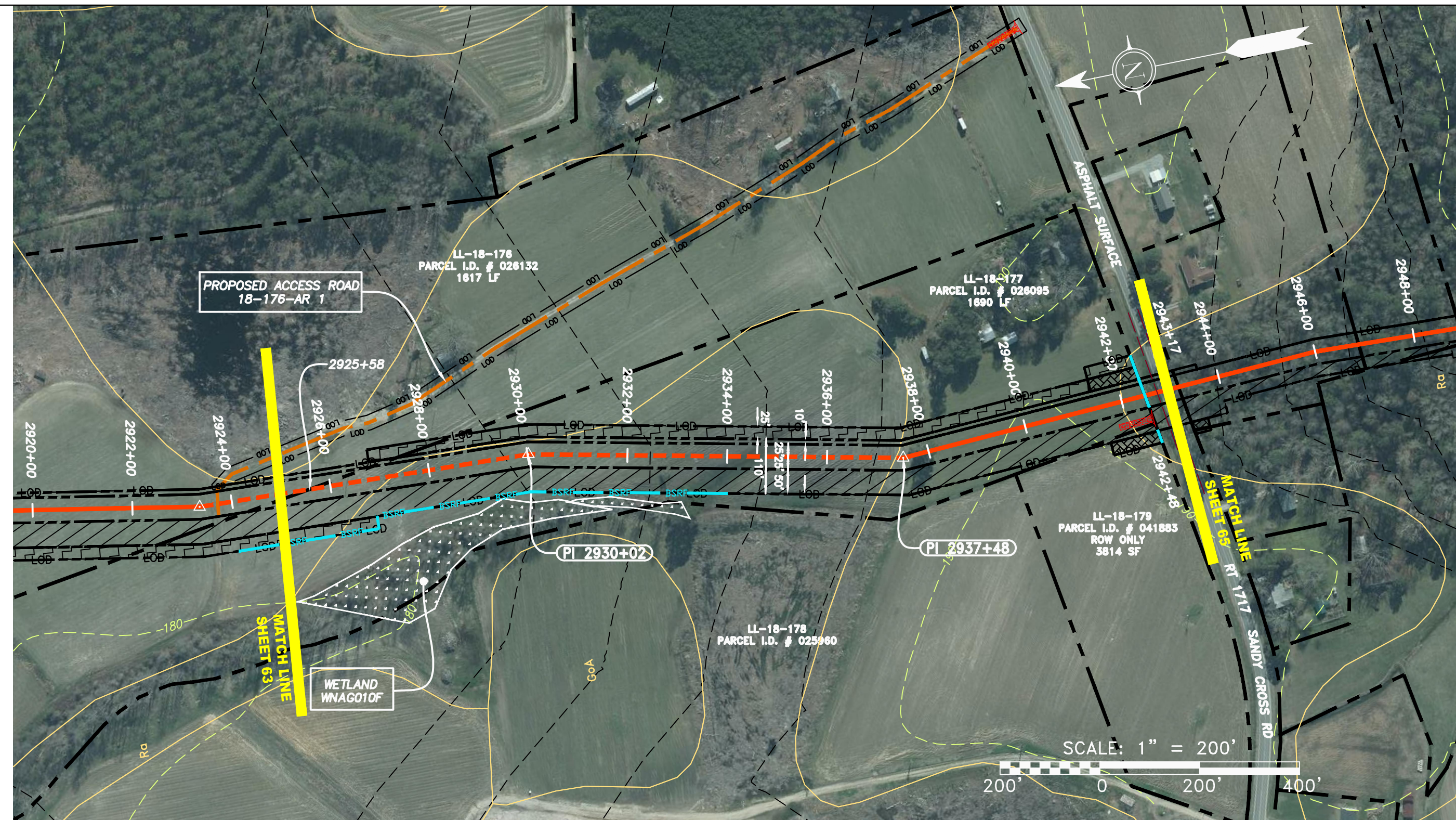
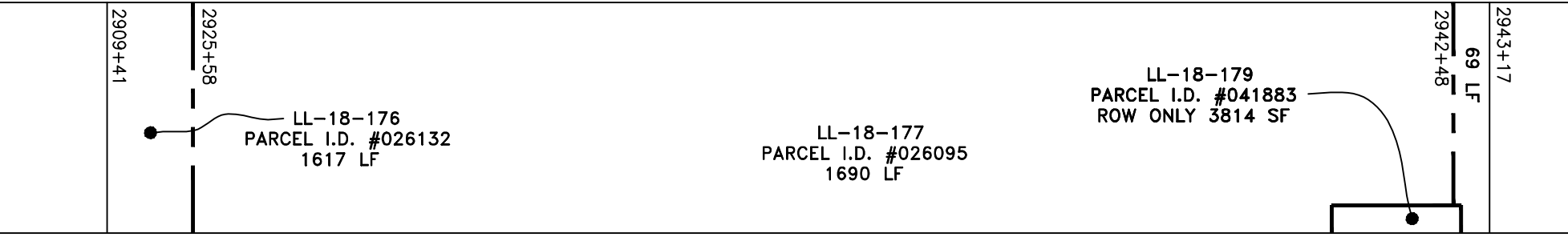
PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



STATIONING &
CONSTRUCTION LIMITS

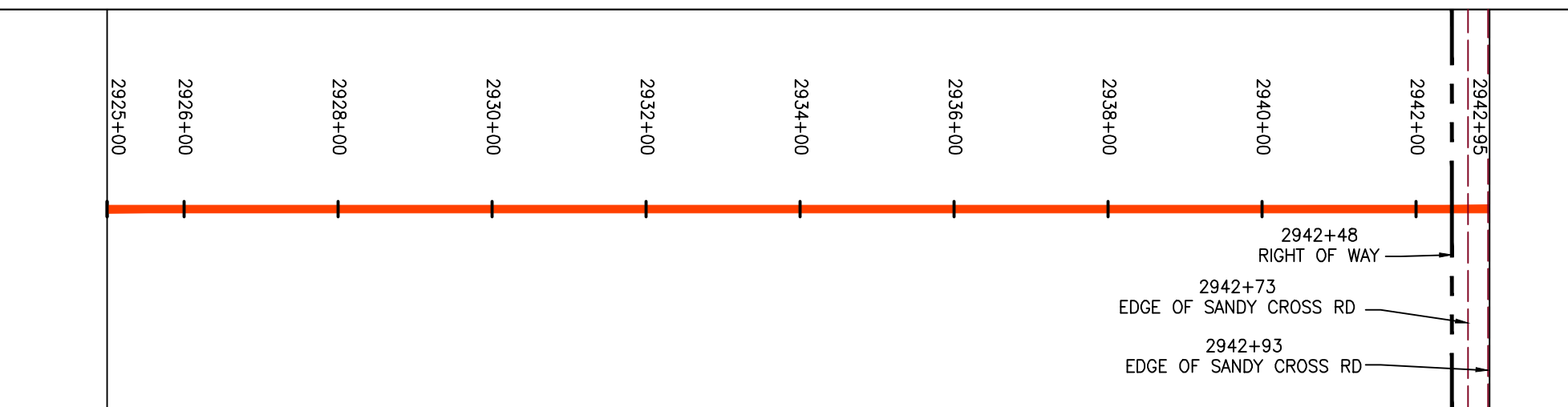


PROPERTY OWNERSHIP



PIPE SPECIFICATION

STRING VIEW BAND



LEGEND

— X — X —	FENCE	— E —	UNDERGROUND ELECTRIC	[Hatched Box]	EXTRA WORK SPACE	[Stippled Box]	TOPSOIL SEGREGATION AREA	[Dashed Triangle]	PERMANENT WATERBAR/SLOPE BREAKER	[Blue Line]	LOD	LIMIT OF DISTURBANCE
— W —	STREAM	— W —	WATER LINE	[Cross-hatched Box]	AREA OF NO DISTURBANCE	[Hatched Box]	PROPOSED TEMPORARY R.O.W.	[Dashed Triangle]	TEMPORARY WATERBAR/SLOPE BREAKER	[Blue Line]	BSRF	BELTED SILT RETENTION FENCE (BSRF)
— G — G —	EXISTING GAS PIPELINE	— SAN —	SANITARY SEWER	[Dotted Box]	UTILITY POLE	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Dashed Triangle]	TRENCH BREAKER/PLUG	[Orange Line]	COIR LOG	COIR LOG
— OH —	OVERHEAD UTILITY LINES	— E —	EDGE OF GRAVEL	[Dotted Box]	UTILITY POLE	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Dashed Triangle]	STREAM CROSSING WITH ENHANCED CONTROLS	[Orange Line]	COMPOST FILTER SOCK	COMPOST FILTER SOCK
— A — A —	ACCESS ROAD	— P — P —	PROPOSED PERMANENT EASEMENT	[Dotted Box]	UTILITY POLE	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Dashed Triangle]	CONSTRUCTION ENTRANCE WITH DITCH	[Orange Line]	ORANGE SAFETY FENCE	ORANGE SAFETY FENCE
— G — G —	PROPOSED GAS PIPELINE	— P — P —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Dotted Box]	UTILITY POLE	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Dashed Triangle]	CULVERT/ WATERBAR	[Orange Line]	ROADSIDE DITCH	ROADSIDE DITCH

NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 10).

- NOTES:**
- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
 - CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
 - IMAGERY TAKEN FROM GOOGLE EARTH.
 - THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
 - STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
 - EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
 - ALL STATIONING SHOWN IS SLOPE STATIONING.
 - SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
 - ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
 - ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 2925+00 TO 2942+95
NASH COUNTY, NORTH CAROLINA

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

SCALE: AS SHOWN
DATE: 06/09/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

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

PROJECT NO./DASH NO.	C140468	
TASK NO.	005	00
GROUP ID	D	E064
64	OF	189