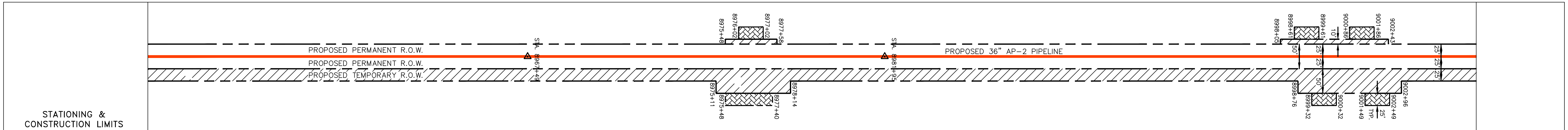
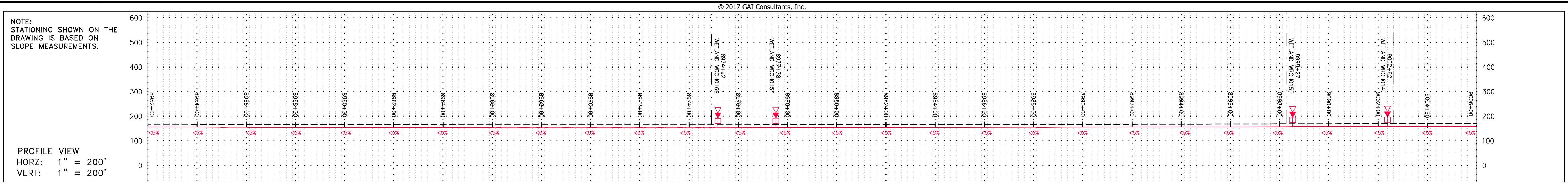
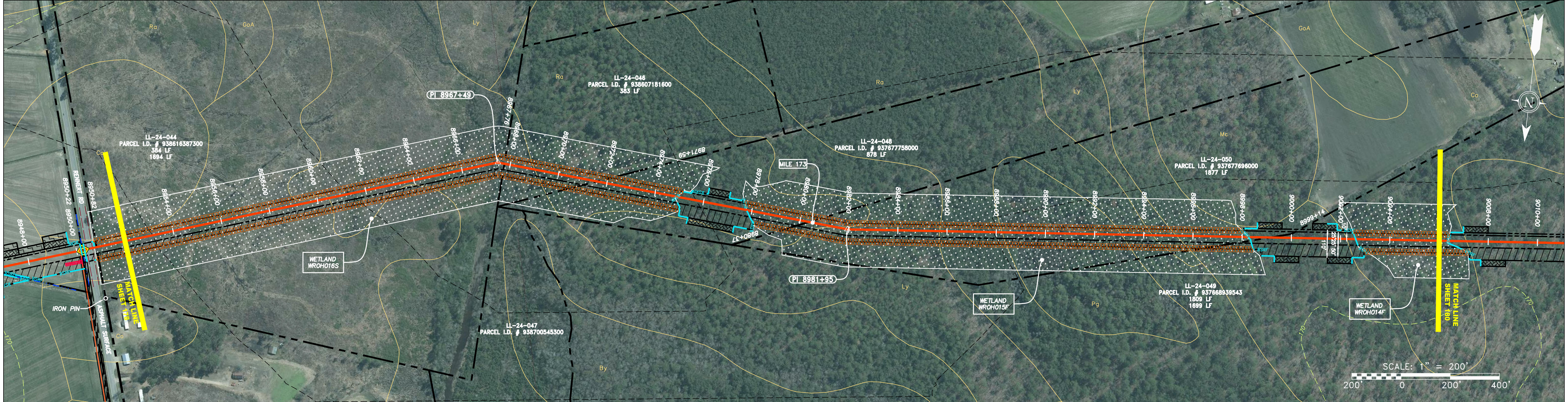


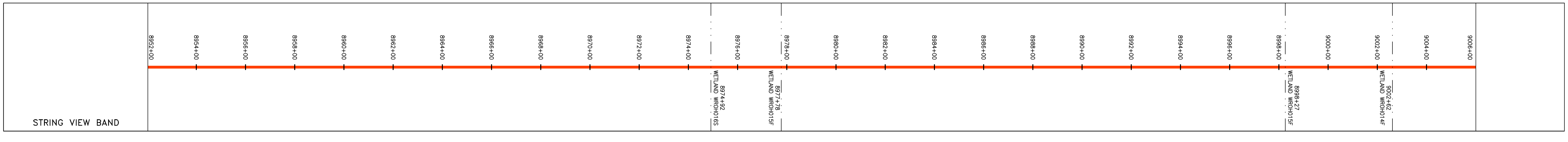
GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 11\SHEETS - 178-182 (61-65).DWG



STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
8952+00	LL-24-044 PARCEL I.D. # 938616387300 1694 LF
8967+75	LL-24-046 PARCEL I.D. # 938607181600 383 LF
8971+99	LL-24-048 PARCEL I.D. # 93767758000 878 LF
8987+00	LL-24-050 PARCEL I.D. # 937677696000 1877 LF
9007+23	LL-24-049 PARCEL I.D. # 937668939543 1809 LF



PIPE SPECIFICATION
8952+00
8954+00
8956+00
8958+00
8960+00
8962+00
8964+00
8966+00
8968+00
8970+00
8972+00
8974+00
8976+00
8978+00
8980+00
8982+00
8984+00
8986+00
8988+00
8990+00
8992+00
8994+00
8996+00
8998+00
9000+00
9002+00
9004+00
9006+00



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 <small>(COLOR SHOWN TO PROVIDE CLARITY ONLY)</small>	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

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.
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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.
- 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		DESCRIPTION
NO.	DATE	

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 8952+00 TO 9008+00
 ROBESON COUNTY, NORTH CAROLINA

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

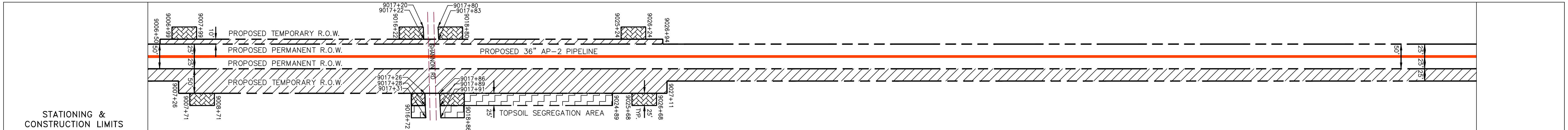
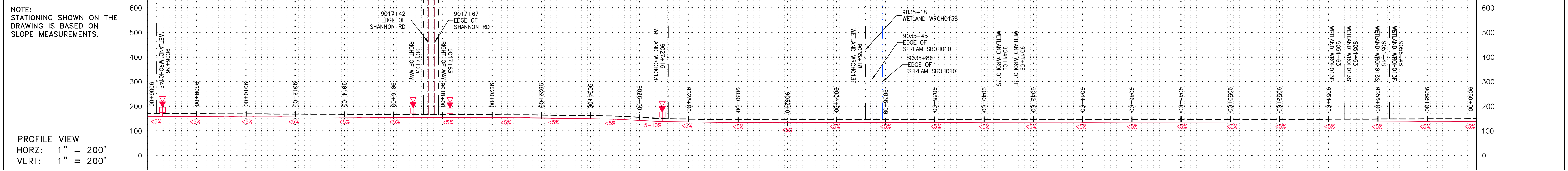
SCALE:	AS SHOWN
DATE:	06/09/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

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

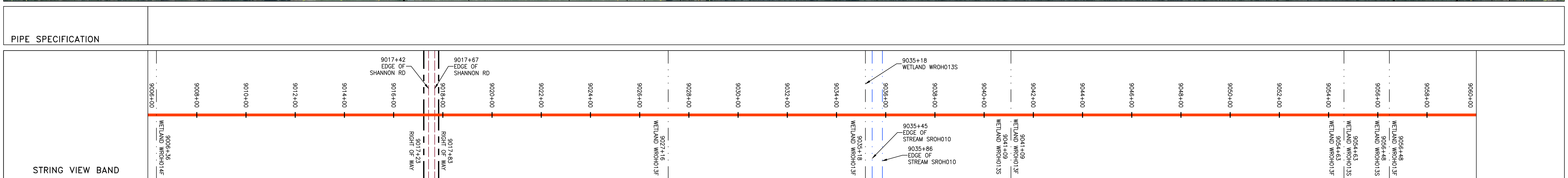
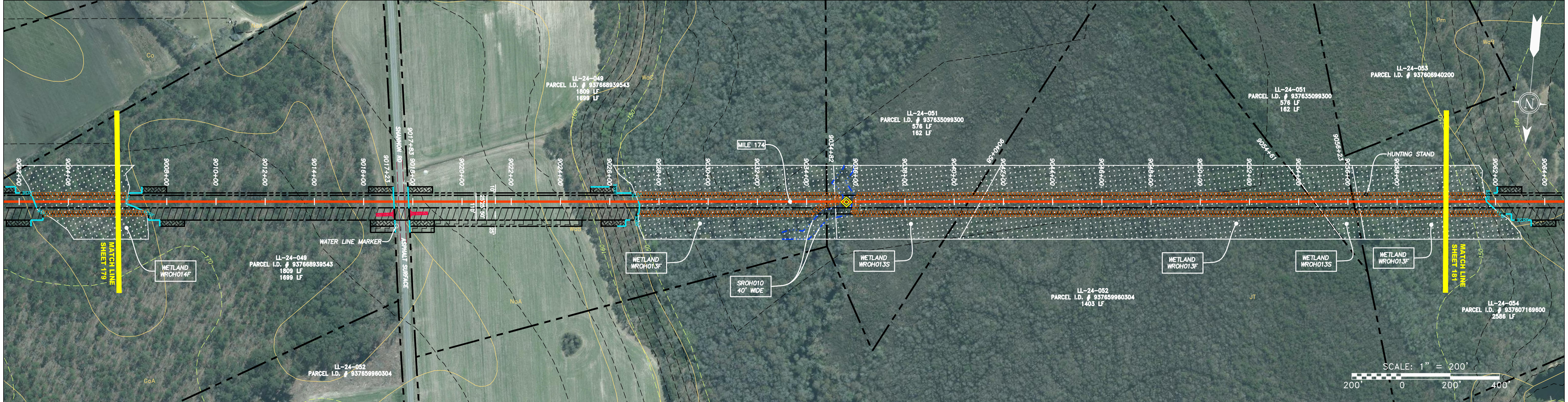
PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E179
179	OF	189

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY_DRAWING\SEC 11\SHEETS - 178-182 (61-65).DWG

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PROPERTY OWNERSHIP	PARCEL I.D. #	AREA (LF)
LL-24-049	937668939543	1809 LF
LL-24-049	937668939543	1699 LF
LL-24-051	937635099300	576 LF
LL-24-052	937659960304	1403 LF
LL-24-051	937635099300	162 LF
LL-24-054	937607169600	2586 LF



LEGEND

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

	EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA
	AREA OF NO DISTURBANCE		PROPOSED TEMPORARY R.O.W.
	WETLAND <small>(EDGE SHOWN TO PROVIDE CLARITY ONLY)</small>		UTILITY POLE

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

NOTES:

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- IMAGERY TAKEN FROM GOOGLE EARTH.
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REVISIONS		DESCRIPTION
NO.	DATE	DWN.

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 9006+00 TO 9006+00
 ROBESON COUNTY, NORTH CAROLINA

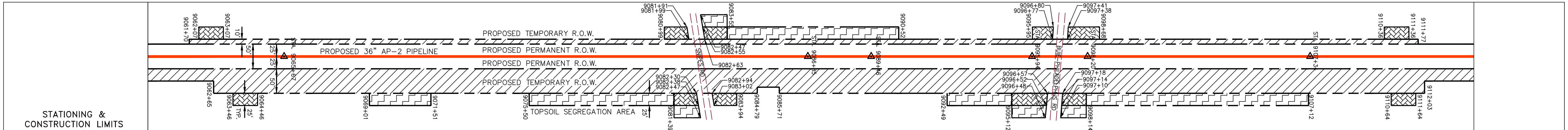
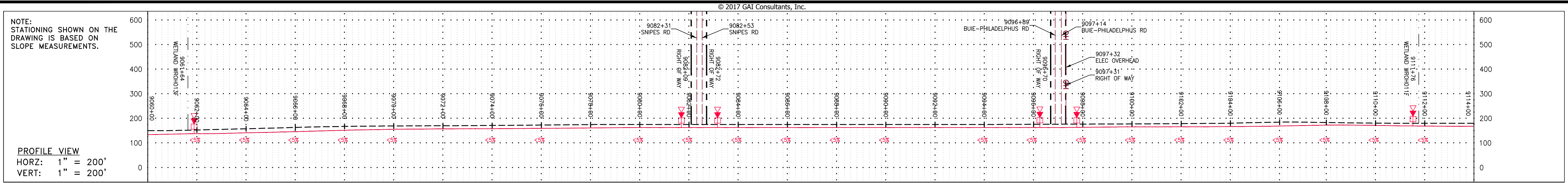
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

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

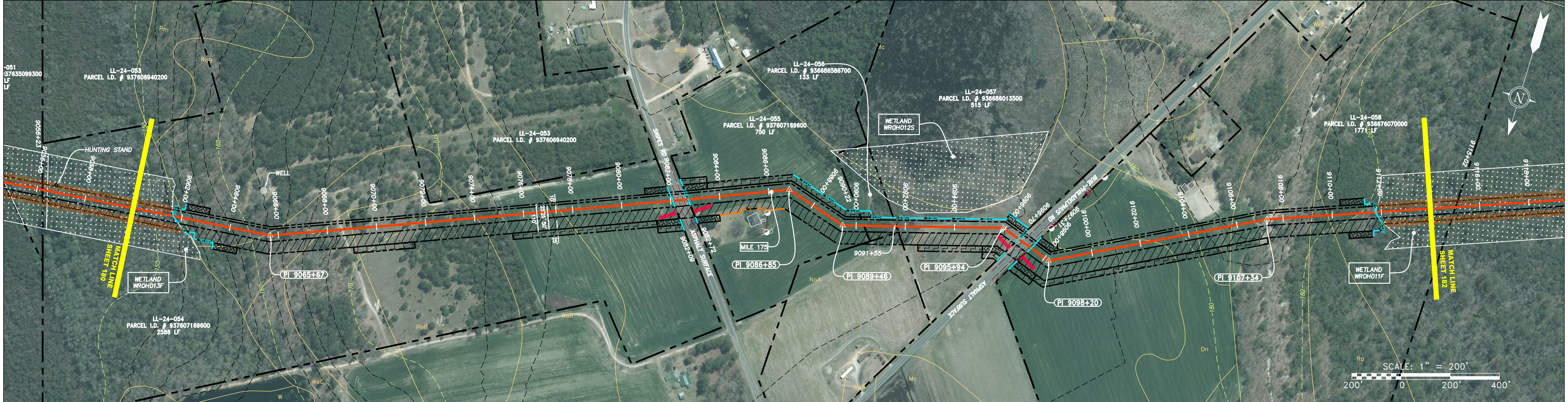
gai consultants - NC, inc.
 4198 COX ROAD
 SUITE 114
 GLEN ALLEN, VA 23060
 804-270-9357
 N.C. COL. #0269

PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E180
180	OF	189

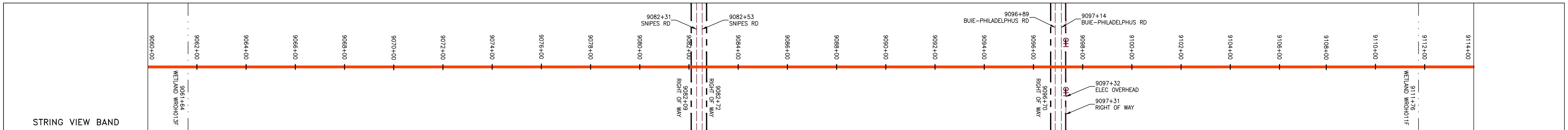
GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 11\SHEETS - 178-182 (61-65).DWG



PROPERTY OWNERSHIP
LL-24-054 PARCEL I.D. # 937607169600 2586 LF
LL-24-055 PARCEL I.D. # 937607169600 750 LF
LL-24-056 PARCEL I.D. # 936686013500 515 LF
LL-24-057 PARCEL I.D. # 936686013500 515 LF
LL-24-058 PARCEL I.D. # 936676070000 1771 LF



PIPE SPECIFICATION
9066+00
9068+00
9070+00
9072+00
9074+00
9076+00
9078+00
9080+00
9082+00
9084+00
9086+00
9088+00
9090+00
9092+00
9094+00
9096+00
9098+00
9100+00
9102+00
9104+00
9106+00
9108+00
9110+00
9112+00
9114+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
	LIMIT OF DISTURBANCE
	BELTED SILT RETENTION FENCE (BSRF)
	COIR LOG
	COMPOST FILTER SOCK
	ORANGE SAFETY FENCE
	ROADSIDE DITCH
	SOIL TYPE

NOTES:

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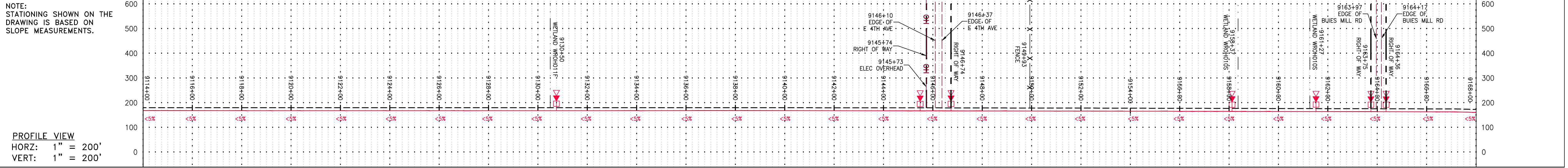
REVISIONS		DESCRIPTION
NO.	DATE	

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 9060+00 TO 9114+00
 ROBESON 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

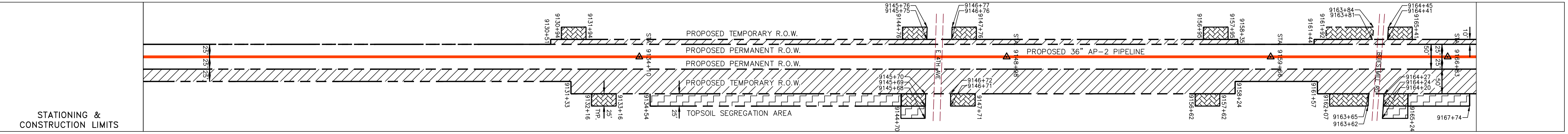
gai consultants - NC, inc.
 4198 COX ROAD
 SUITE 114
 GLEN ALLEN, VA 23060
 804-270-9357
 N.C. COL. #F-0269

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E181
181 OF 189	

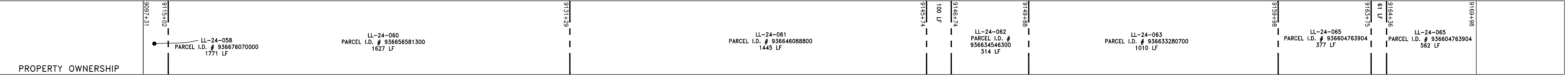


NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.

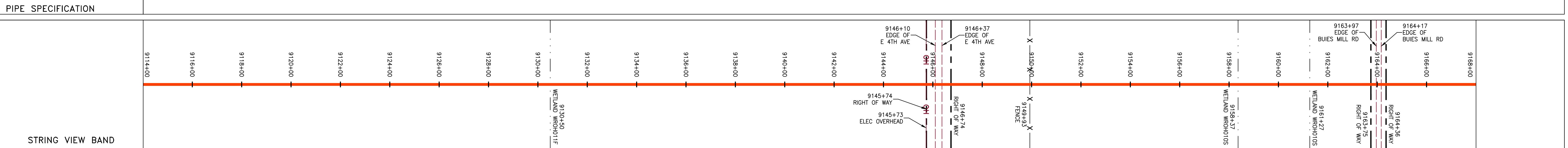
PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION

STRING VIEW BAND

LEGEND

- 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

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

NOTES:

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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

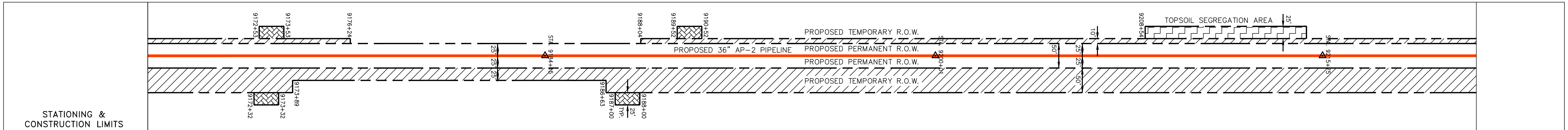
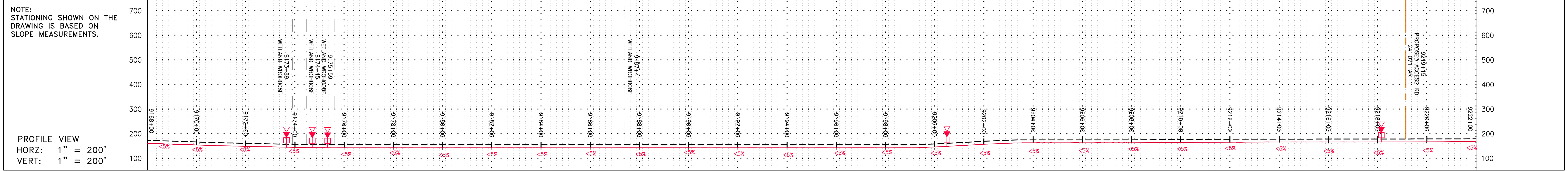


36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 9114+00 TO 9168+00
ROBESON COUNTY, NORTH CAROLINA
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

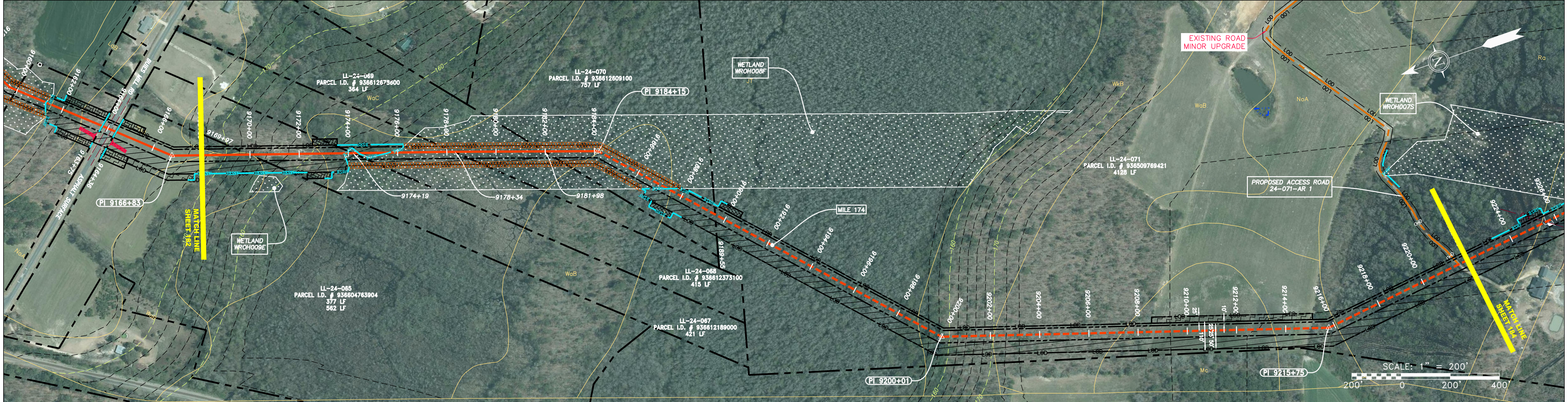
SCALE: AS SHOWN
DATE: 06/09/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

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

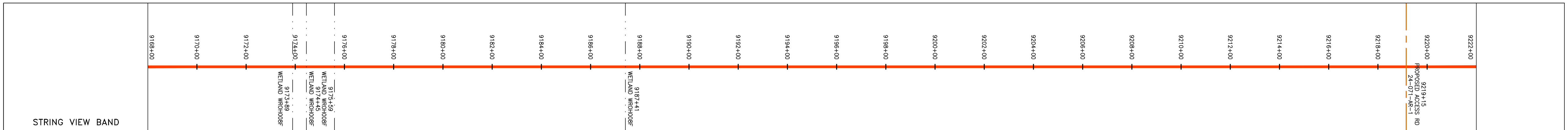
PROJECT NO./DASH NO.	140468	
TASK NO. SUB TASK NO.	005	00
GROUP ID DRAWING NO.	D	E182
182 OF 189		



PROPERTY OWNERSHIP
LL-24-055 PARCEL I.D. # 936604763904 562 LF
LL-24-067 PARCEL I.D. # 936612189000 421 LF
LL-24-068 PARCEL I.D. # 936612373100 415 LF
LL-24-069 PARCEL I.D. # 936612678600 364 LF
LL-24-070 PARCEL I.D. # 936612609100 757 LF
LL-24-071 PARCEL I.D. # 936509769421 4154 LF



PIPE SPECIFICATION
9188+00
9170+00
9172+00
9174+00
9176+00
9178+00
9180+00
9182+00
9184+00
9186+00
9188+00
9190+00
9192+00
9194+00
9196+00
9198+00
9200+00
9202+00
9204+00
9206+00
9208+00
9210+00
9212+00
9214+00
9216+00
9218+00
9220+00
9222+00



LEGEND

— X — X —	PROPERTY LINE	— E —	UNDERGROUND ELECTRIC	▨	EXTRA WORK SPACE	▨	TOPSOIL SEGREGATION AREA	▨	PROPOSED TEMPORARY R.O.W.	▨	UTILITY POLE
— W —	STREAM	— W —	WATER LINE	▨	AREA OF NO DISTURBANCE	▨	WETLAND	▨	PERMANENT WATERBAR/SLOPE BREAKER	▨	TEMPORARY WATERBAR/SLOPE BREAKER
— G —	EXISTING GAS PIPELINE	— SAN —	SANITARY SEWER	▨	WETLAND	▨	WETLAND	▨	TRENCH BREAKER/PLUG	▨	TRENCH BREAKER/PLUG
— OH —	OVERHEAD UTILITY LINES	— E —	EDGE OF GRAVEL	▨	WETLAND	▨	WETLAND	▨	STREAM CROSSING	▨	STREAM CROSSING
— A —	ACCESS ROAD	— E —	PROPOSED PERMANENT EASEMENT	▨	WETLAND	▨	WETLAND	▨	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	▨	USFWS STREAM CROSSING WITH ENHANCED CONTROLS
— G —	PROPOSED GAS PIPELINE	— E —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▨	WETLAND	▨	WETLAND	▨	CONSTRUCTION ENTRANCE WITH DITCH	▨	CONSTRUCTION ENTRANCE WITH DITCH
									CULVERT/WATERBAR		CULVERT/WATERBAR

NOTES:

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- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- 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

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 9168+00 TO 9222+00
 ROBESON 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

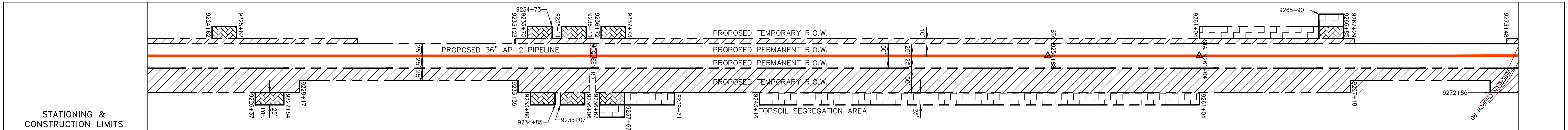
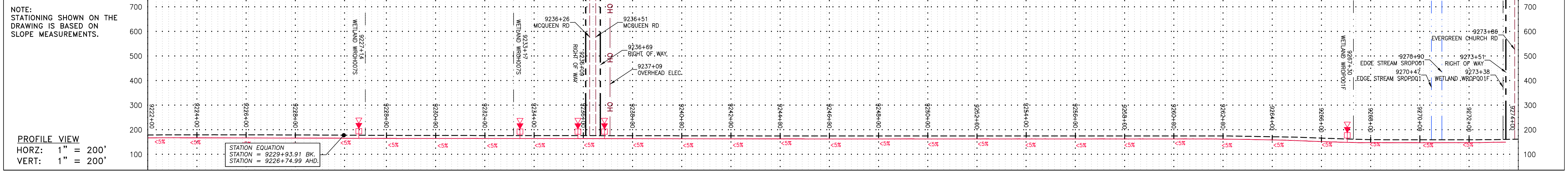
gai consultants - NC, inc.
 4198 COX ROAD
 SUITE 114
 GLEN ALLEN, VA 23060
 804-270-9357
 N.C. COL. #0269

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E183
183 OF 189	

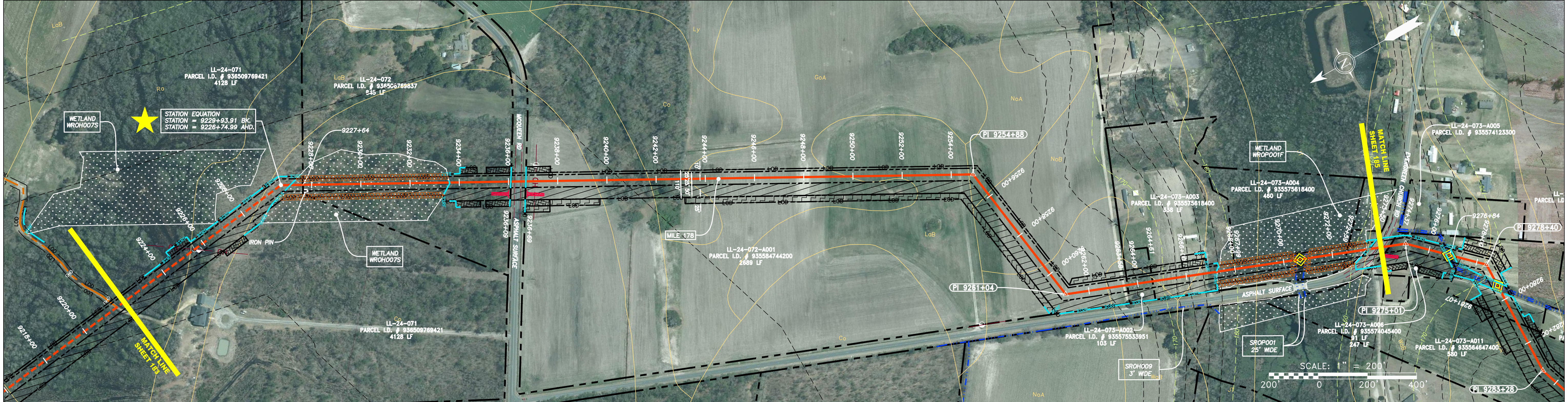
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GAI CAD FILE NO. \\\TTC-FS1\THRASHER\050-5159 - GAI, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\RESTORED SHEETS 1-13-17\SEC 11\FULL SET\SHEETS 183-184 REV 12.DWG

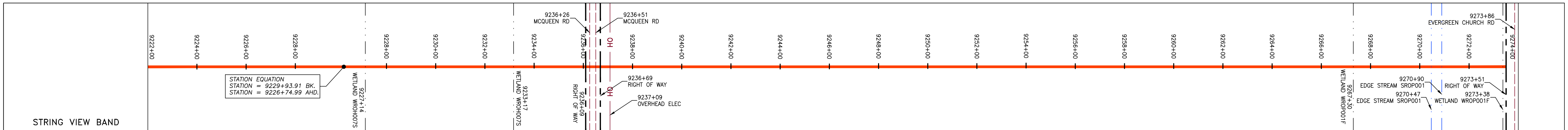
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PROPERTY OWNERSHIP	PARCEL I.D. #	ACRES
LL-24-071	935509769421	4134 LF
LL-24-072	935506769837	845 LF
LL-24-07-A001	935584744200	2689 LF
LL-24-073-A002	935575533951	103 LF
LL-24-073-A003	935575618400	338 LF
LL-24-073-A004	935575618400	460 LF
LL-24-073-A006	935574045400	91 LF



PIPE SPECIFICATION



<p>LEGEND</p> <ul style="list-style-type: none"> — X — X — PROPERTY LINE — F — F — FENCE — S — S — STREAM — G — G — EXISTING GAS PIPELINE — OH — OH — OVERHEAD UTILITY LINES — A — A — ACCESS ROAD — P — P — PROPOSED GAS PIPELINE — E — E — UNDERGROUND ELECTRIC — W — W — WATER LINE — SAN — SAN — SANITARY SEWER — EG — EG — EDGE OF GRAVEL — PE — PE — PROPOSED PERMANENT EASEMENT — PG — PG — PROPOSED GAS PIPELINE (NO GROUND SURVEY) 	<ul style="list-style-type: none"> — LOD — LOD — LIMIT OF DISTURBANCE — BSRF — BSRF — BELTED SILT RETENTION FENCE (BSRF) — CL — CL — COIR LOG — CF — CF — COMPOST FILTER SOCK — OS — OS — ORANGE SAFETY FENCE — RD — RD — ROADSIDE DITCH — CuB — CuB — SOIL TYPE 	<ul style="list-style-type: none"> ▲ —▲ — PERMANENT WATERBAR/SLOPE BREAKER ▲ —▲ — TEMPORARY WATERBAR/SLOPE BREAKER ▲ —▲ — TRENCH BREAKER/PLUG ◆ —◆ — STREAM CROSSING ◆ —◆ — USFWS STREAM CROSSING WITH ENHANCED CONTROLS ◆ —◆ — CONSTRUCTION ENTRANCE WITH DITCH ◆ —◆ — CULVERT/ WATERBAR 	<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
---	---	--	--

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.
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REVISIONS		DESCRIPTION
NO.	DATE	DWN.

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 9222+00 TO 9271+00
 ROBESON COUNTY, NORTH CAROLINA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

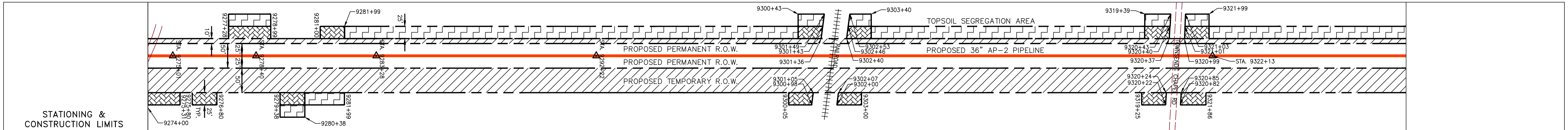
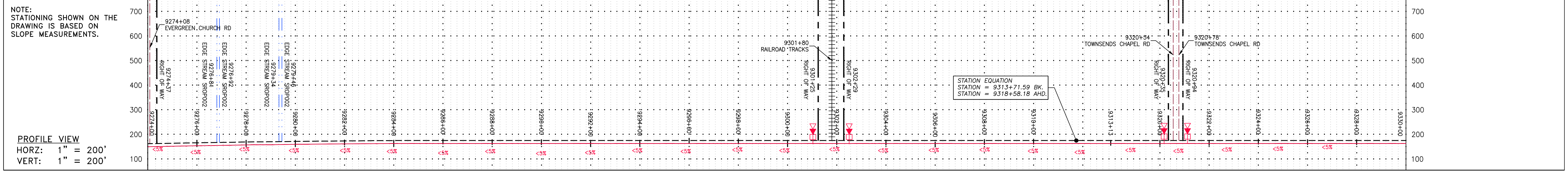
SCALE:	AS SHOWN
DATE:	06/09/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

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

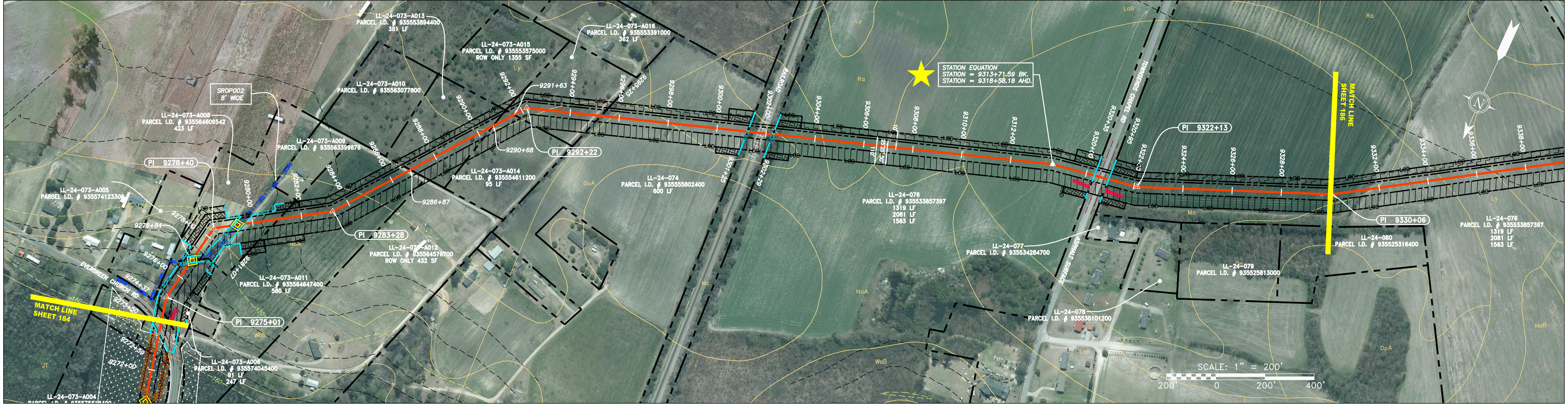
PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E184
184 OF 189	

GAI CAD FILE NO. \\\TTC-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\RESTORED SHEETS 1-13-17\SEC 11\FULL SET\SHEETS - 183-187 (66-70).DWG

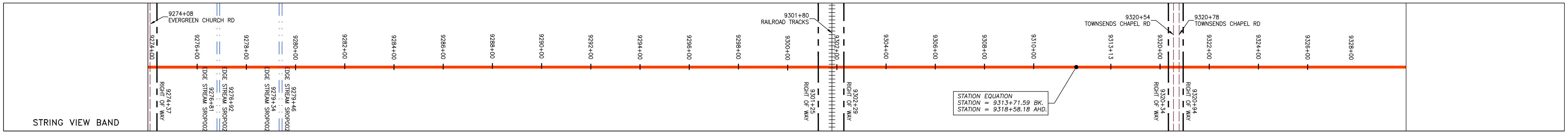
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PROPERTY OWNERSHIP	PARCEL I.D. #	AREA
LL-24-073-A006	935574045400	247 LF
LL-24-073-A008	935564609542	423 LF
LL-24-073-A012	935564578700	ROW ONLY 432 SF
LL-24-073-A013	935553894400	381 LF
LL-24-073-A014	935554811200	95 LF
LL-24-073-A016	935553391000	362 LF
LL-24-074	935555802400	600 LF
LL-24-076	935533857397	1319 LF
LL-24-076	935533857397	2081 LF



PIPE SPECIFICATION
9274+08 EVERGREEN CHURCH RD
9274+00
9275+00
9276+00
9277+00
9278+00
9279+00
9280+00
9281+00
9282+00
9283+00
9284+00
9285+00
9286+00
9287+00
9288+00
9289+00
9290+00
9291+00
9292+00
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9296+00
9297+00
9298+00
9299+00
9300+00
9301+80 RAILROAD TRACKS
9302+00
9303+00
9304+00
9305+00
9306+00
9307+00
9308+00
9309+00
9310+00
9311+00
9312+00
9313+13 TOWNSEND'S CHAPEL RD
9314+00
9315+00
9316+00
9317+00
9318+00
9319+00
9320+00
9321+00
9322+00
9323+00
9324+00
9325+00
9326+00
9327+00
9328+00
9329+00
9330+00



<p>LEGEND</p> <ul style="list-style-type: none"> — X — X — PROPERTY LINE — F — F — FENCE — S — S — STREAM — G — G — EXISTING GAS PIPELINE — OH — OH — OVERHEAD UTILITY LINES — A — A — ACCESS ROAD — P — P — PROPOSED GAS PIPELINE — E — E — UNDERGROUND ELECTRIC — W — W — WATER LINE — SAN — SAN — SANITARY SEWER — EG — EG — EDGE OF GRAVEL — PE — PE — PROPOSED PERMANENT EASEMENT — PG — PG — PROPOSED GAS PIPELINE (NO GROUND SURVEY) — ES — ES — EXTRA WORK SPACE — AN — AN — AREA OF NO DISTURBANCE — WT — WT — WETLAND — TS — TS — TOPSOIL SEGREGATION AREA — TR — TR — PROPOSED TEMPORARY R.O.W. — UP — UP — UTILITY POLE — SW — SW — PERMANENT WATERBAR/SLOPE BREAKER — TW — TW — TEMPORARY WATERBAR/SLOPE BREAKER — TB — TB — TRENCH BREAKER/PLUG — SC — SC — STREAM CROSSING — US — US — USFWS STREAM CROSSING WITH ENHANCED CONTROLS — CE — CE — CONSTRUCTION ENTRANCE WITH DITCH — CU — CU — CULVERT/ WATERBAR — LD — LD — LIMIT OF DISTURBANCE — BS — BS — BELTED SILT RETENTION FENCE (BSRF) — CL — CL — COIR LOG — CF — CF — COMPOST FILTER SOCK — OS — OS — ORANGE SAFETY FENCE — RD — RD — ROADSIDE DITCH — SO — SO — SOIL TYPE 	<p>NOTES:</p> <ol style="list-style-type: none"> COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014. IMAGERY TAKEN FROM GOOGLE EARTH. THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. ALL STATIONING SHOWN IS SLOPE STATIONING. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS 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.
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REVISIONS		DESCRIPTION
NO.	DATE	DWN.
CHKD.	APPD.	

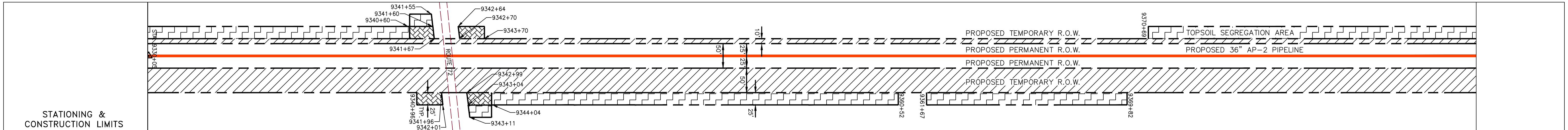
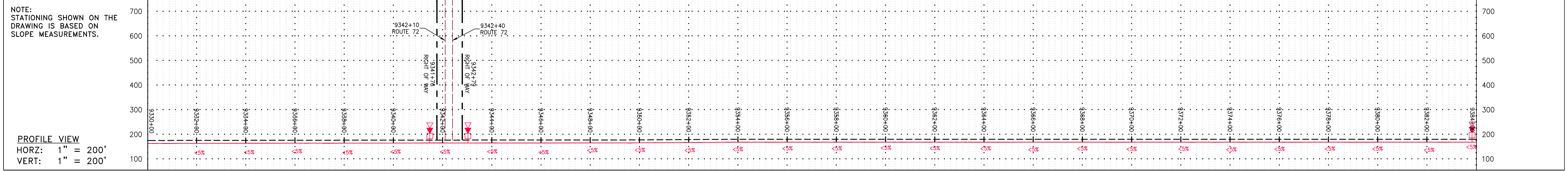
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

CONSTRUCTION ALIGNMENT STA 9276+00 TO 9330+00
 ROBESON COUNTY, NORTH CAROLINA

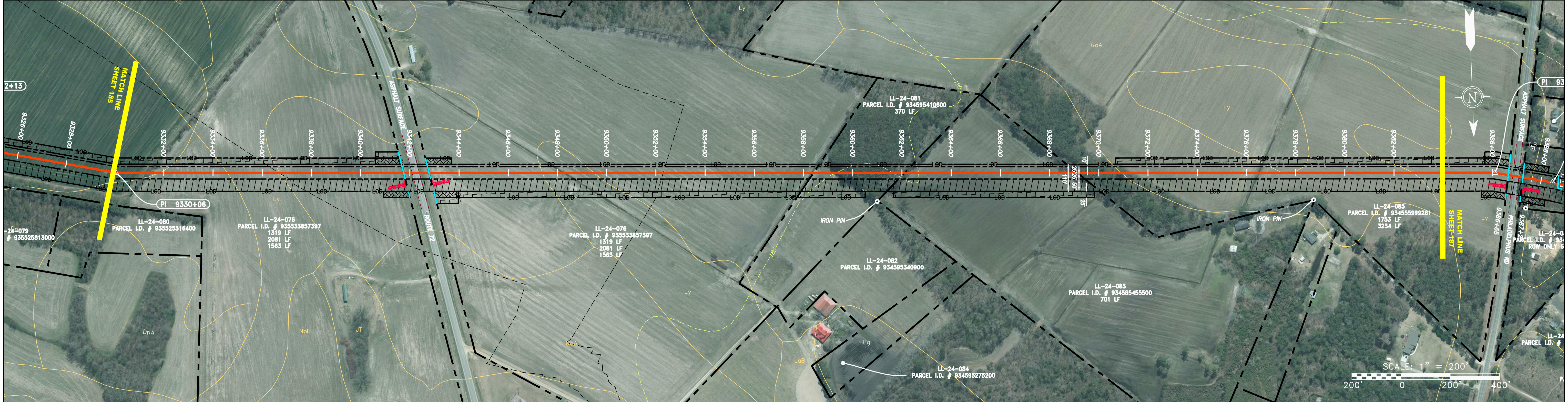
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gai consultants - NC, inc.
 4198 COX ROAD
 SUITE 114
 GLEN ALLEN, VA 23060
 804-270-9357
 N.C. COL #10-0269

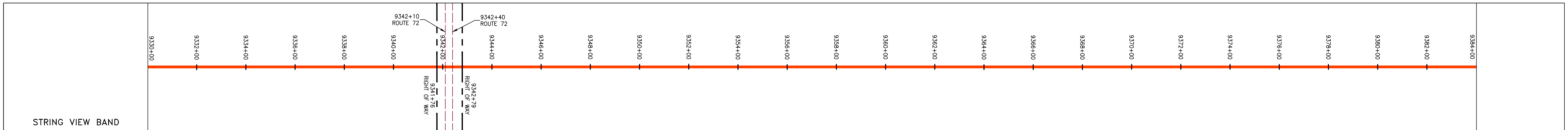
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 TASK NO. SUB TASK NO. **005 00**
 GROUP ID DRAWING NO. **D E185**
 185 OF 189



PROPERTY OWNERSHIP	PARCEL I.D. #	ACRES
LL-24-076	935533857397	2061 LF
LL-24-076	935533857397	1563 LF
LL-24-081	934595410600	370 LF
LL-24-083	934585455500	701 LF
LL-24-085	93455999281	1753 LF



PIPE SPECIFICATION
9330+00
9332+00
9334+00
9336+00
9338+00
9340+00
9342+10 ROUTE 72
9342+200
9344+00
9346+00
9348+00
9350+00
9352+00
9354+00
9356+00
9358+00
9360+00
9362+00
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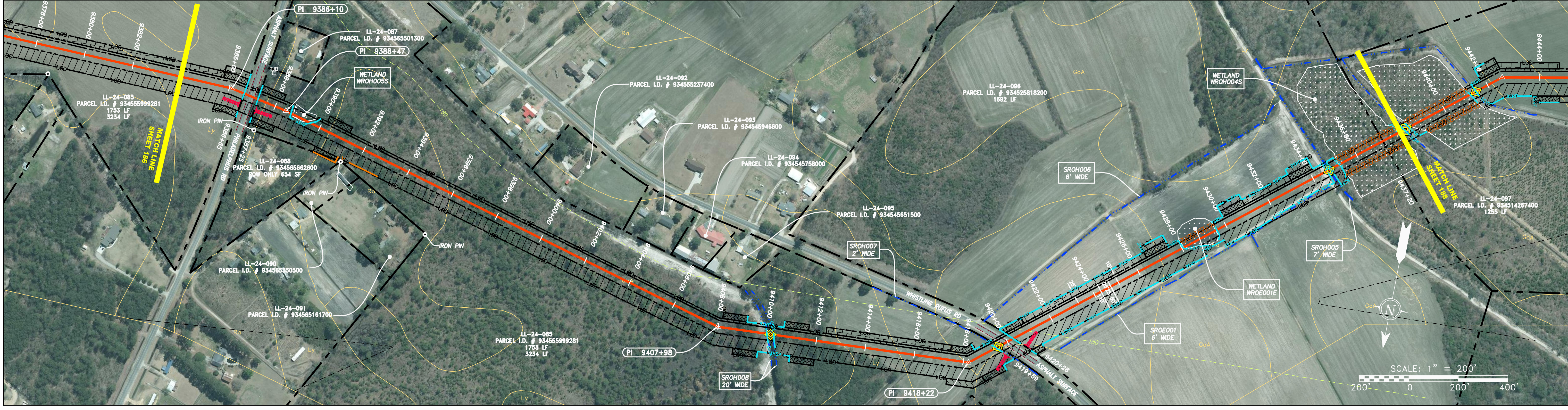
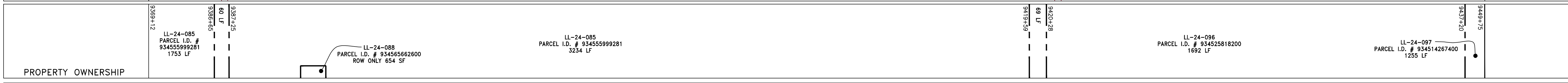
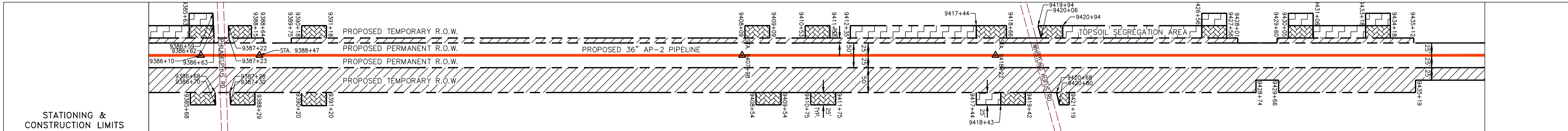
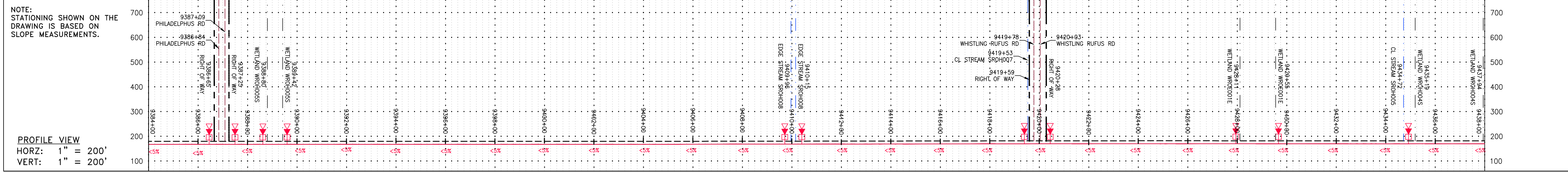
LEGEND - - - - - PROPERTY LINE X X FENCE --- STREAM G G EXISTING GAS PIPELINE OH OVERHEAD UTILITY LINES --- ACCESS ROAD --- PROPOSED GAS PIPELINE --- UNDERGROUND ELECTRIC W WATER LINE SAN SANITARY SEWER --- EDGE OF GRAVEL --- PROPOSED PERMANENT EASEMENT --- PROPOSED GAS PIPELINE (NO GROUND SURVEY)	[Hatched Box] EXTRA WORK SPACE [Dotted Box] AREA OF NO DISTURBANCE [Green Box] WETLAND [Hatched Box] TOPSOIL SEGREGATION AREA [Hatched Box] PROPOSED TEMPORARY R.O.W. [Circle with X] UTILITY POLE	[Triangle] PERMANENT WATERBAR/SLOPE BREAKER [Triangle] TEMPORARY WATERBAR/SLOPE BREAKER [Triangle] TRENCH BREAKER/PLUG [Diamond] STREAM CROSSING [Diamond] USFWS STREAM CROSSING WITH ENHANCED CONTROLS [Triangle] CONSTRUCTION ENTRANCE WITH DITCH [Triangle] CULVERT/ WATERBAR --- LOD LIMIT OF DISTURBANCE [Blue Line] BSRF BELTED SILT RETENTION FENCE (BSRF) [Orange Line] COIR LOG [Orange Line] COMPOST FILTER SOCK [Orange Line] ORANGE SAFETY FENCE [Orange Line] ROADSIDE DITCH [Circle] SOIL TYPE	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 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. 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.
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NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

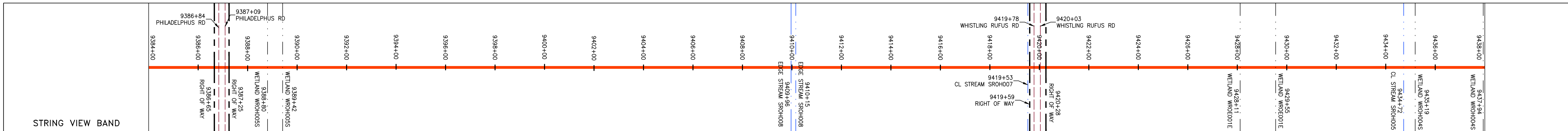
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 TASK NO. **005** SUB TASK NO. **00**
 GROUP ID **D** DRAWING NO. **E186**
186 OF 189

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 #F-0269



PIPE SPECIFICATION



LEGEND

— X — X —	PROPERTY LINE	— E —	UNDERGROUND ELECTRIC	▨	EXTRA WORK SPACE	▨	TOPSOIL SEGREGATION AREA	▨	PERMANENT WATERBAR/SLOPE BREAKER	— LOD —	LIMIT OF DISTURBANCE
— W —	FENCE	— W —	WATER LINE	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	▨	TEMPORARY WATERBAR/SLOPE BREAKER	— BSRF —	BELTED SILT RETENTION FENCE (BSRF)
— G —	STREAM	— SAN —	SANITARY SEWER	▨	UTILITY POLE	▨	WETLAND	▨	TRENCH BREAKER/PLUG	▨	COIR LOG
— OH —	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).	▨	WETLAND	▨	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	▨	COMPOST FILTER SOCK
—	OVERHEAD UTILITY LINES	—	PROPOSED PERMANENT EASEMENT	▨		▨	WETLAND	▨	CONSTRUCTION ENTRANCE WITH DITCH	▨	ORANGE SAFETY FENCE
—	ACCESS ROAD	—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▨		▨	WETLAND	▨	CULVERT AS NEEDED	▨	ROADSIDE DITCH
—	PROPOSED GAS PIPELINE	—		▨		▨	WETLAND	▨	CULVERT/ WATERBAR	▨	SOIL TYPE

- NOTES:
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REVISIONS

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 9384+00 TO 9438+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

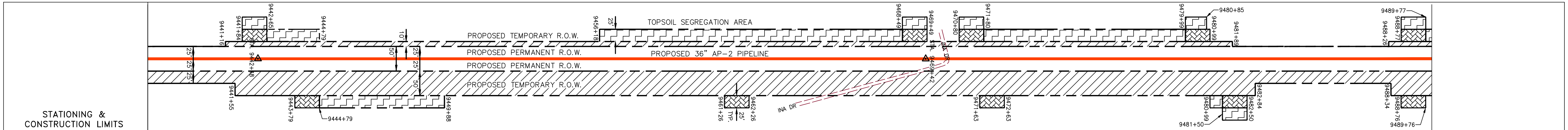
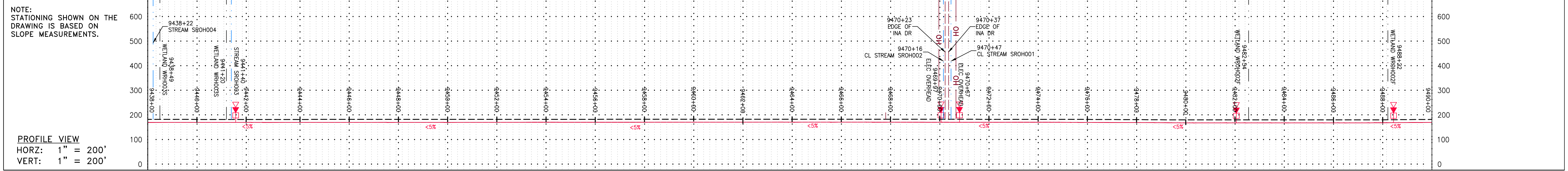
gai consultants - NC, inc.
4198 COX ROAD
SUITE 114
GLEN ALLEN, VA 23060
804-270-9357
N.C. COL #0269

PROJECT NO./DASH NO.
140468

TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E187

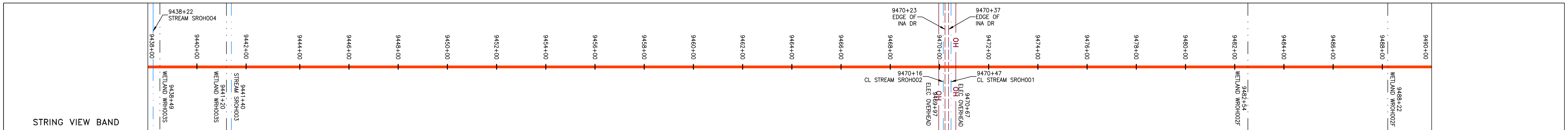
187 OF 189



Stationing	Parcel ID	Parcel Area (LF)
9437+20	LL-24-097 PARCEL I.D. # 934514267400	1255 LF
9439+75	LL-24-099 PARCEL I.D. # 934503490100	1284 LF
9422+59	LL-24-101 PARCEL I.D. # 933593561023	755 LF
9470+14	LL-24-100 PARCEL I.D. # 933594022300	432 LF
9474+46	LL-24-102 PARCEL I.D. # 933583239468	807 LF
9481+50	LL-24-105 PARCEL I.D. # 933573194900	102 LF
9481+50	LL-24-103 PARCEL I.D. # 933574418600	286 LF
9481+50	LL-24-104 PARCEL I.D. # 933574224800	241 LF
9481+50	LL-24-106 PARCEL I.D. # 933564612900	274 LF



Stationing	Parcel ID	Parcel Area (LF)
9437+20	LL-24-098 PARCEL I.D. # 934513968000	1255 LF
9439+75	LL-24-099 PARCEL I.D. # 934503490100	1284 LF
9422+59	LL-24-101 PARCEL I.D. # 933593561023	755 LF
9470+14	LL-24-100 PARCEL I.D. # 933594022300	432 LF
9474+46	LL-24-102 PARCEL I.D. # 933583239468	807 LF
9481+50	LL-24-105 PARCEL I.D. # 933573194900	102 LF
9481+50	LL-24-103 PARCEL I.D. # 933574418600	286 LF
9481+50	LL-24-104 PARCEL I.D. # 933574224800	241 LF
9481+50	LL-24-106 PARCEL I.D. # 933564612900	274 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 <small>(COLOR SHOWN TO PROVIDE CLARITY ONLY)</small>	UTILITY POLE	TRENCH BREAKER/PLUG	COIR LOG
EXISTING GAS PIPELINE	EDGE OF GRAVEL			STREAM CROSSING	COMPOSITE 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 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	APPD.	CHKD.	DWN.	DESCRIPTION

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 9438+00 TO 9490+00
 ROBESON 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

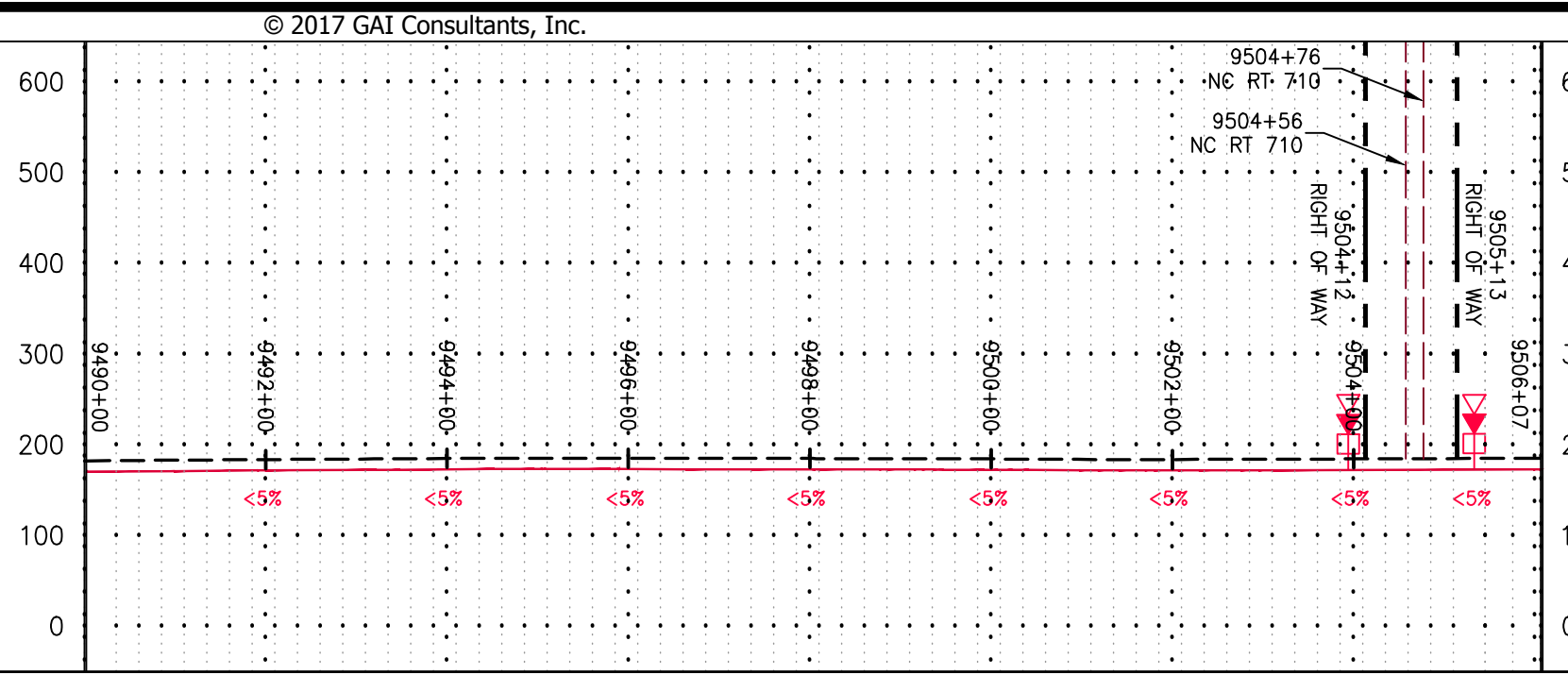
gai consultants - NC, inc.
 4198 COX ROAD
 SUITE 114
 GLEN ALLEN, VA 23060
 804-270-9357
 N.C. COL #0269

PROJECT NO./DASH NO.	140468
TASK NO.	005
SUB TASK NO.	00
GROUP ID	D
DRAWING NO.	E188
188	OF 189

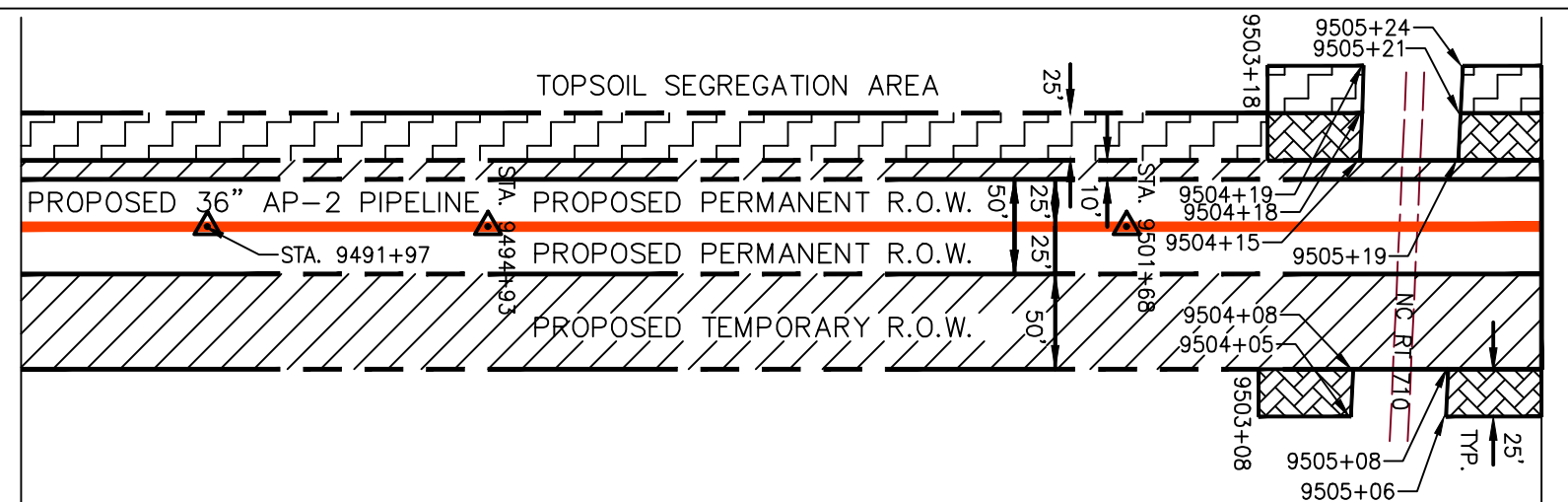
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NOTE:
STATIONING SHOWN ON THE
DRAWING IS BASED ON
SLOPE MEASUREMENTS.

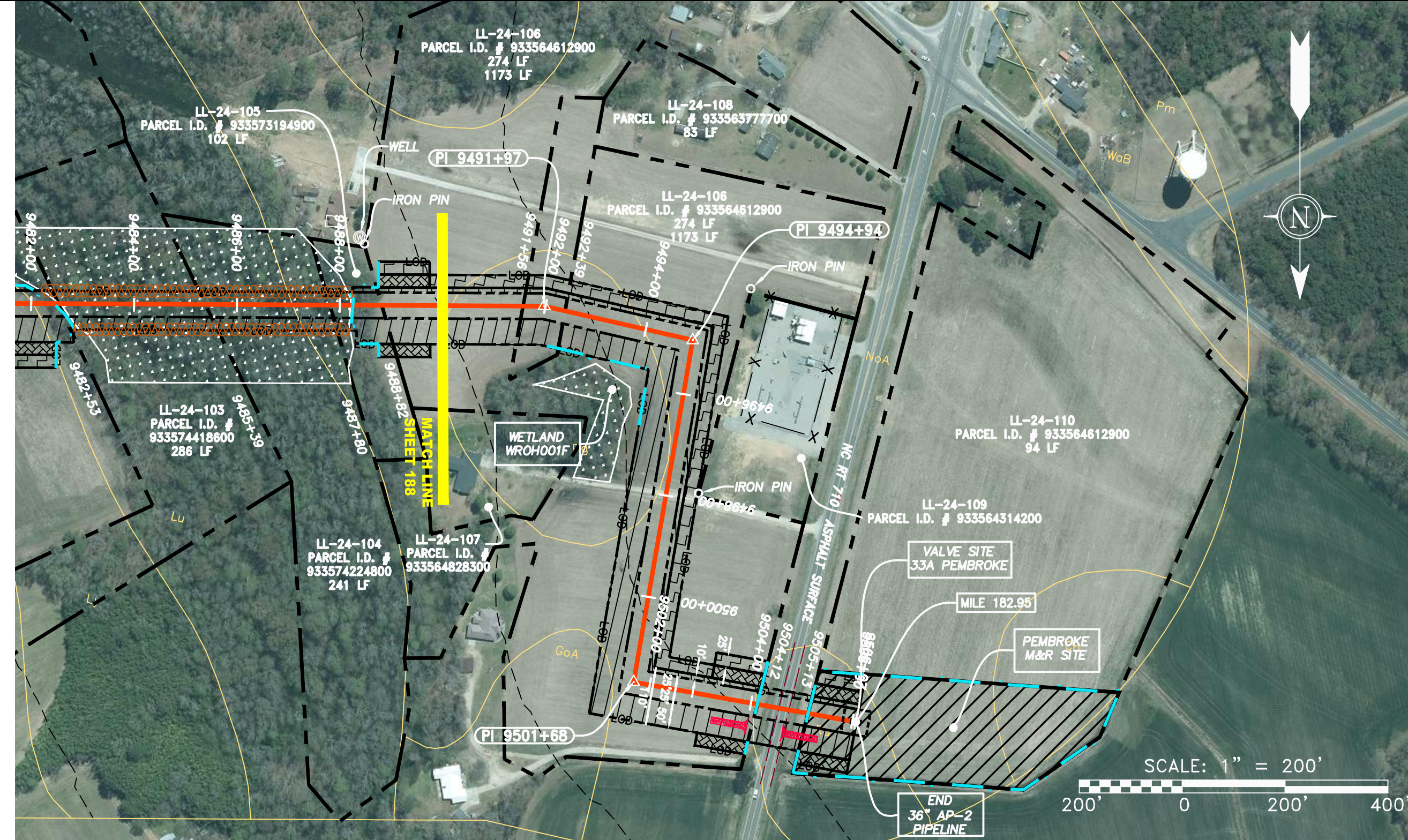
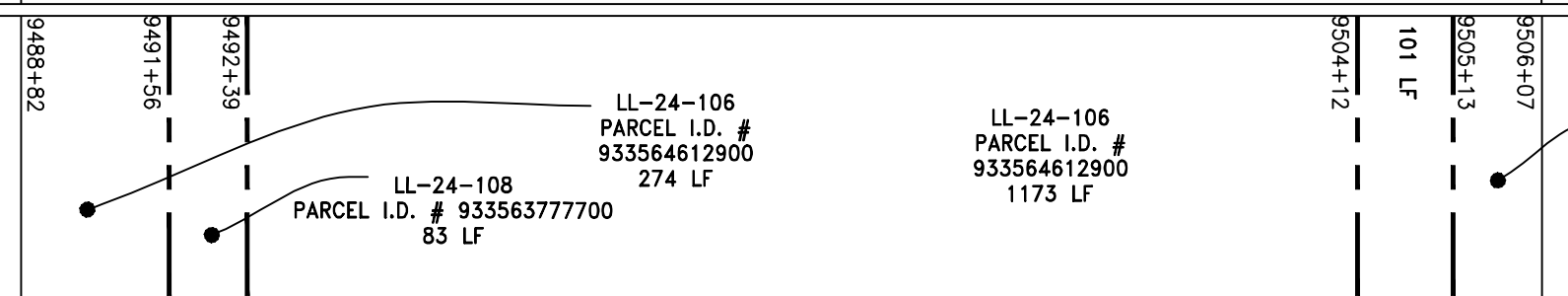
PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



STATIONING &
CONSTRUCTION LIMITS

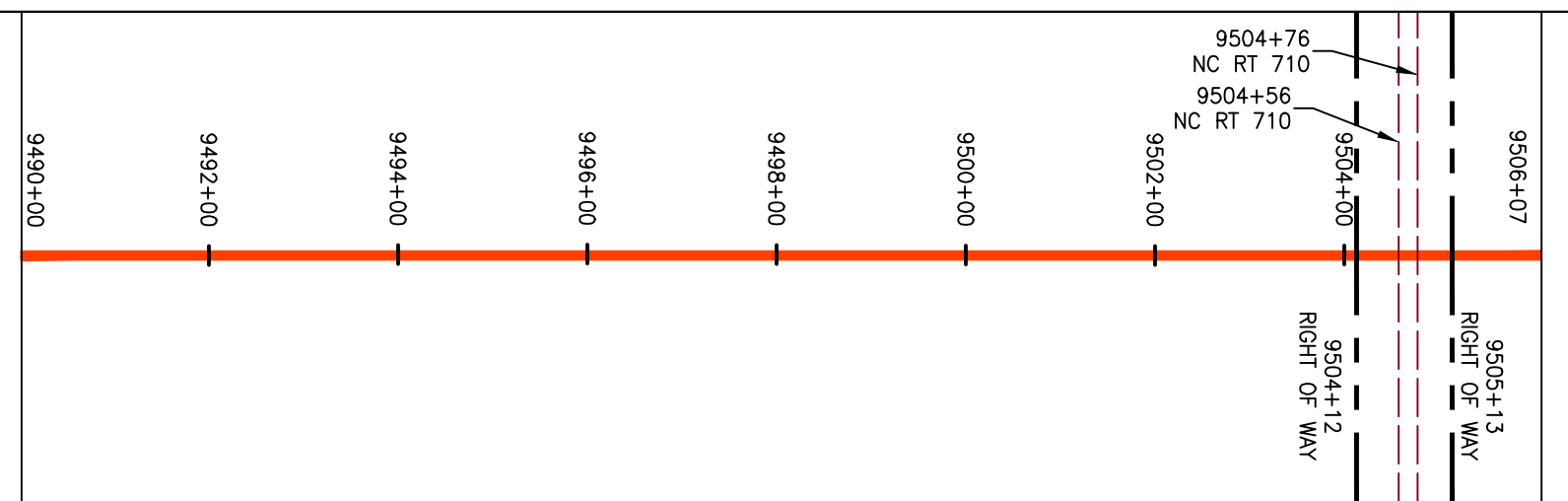


PROPERTY OWNERSHIP



PIPE SPECIFICATION

STRING VIEW BAND



LEGEND

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

PERMANENT WATERBAR/SLOPE BREAKER	LOD	LIMIT OF DISTURBANCE
TEMPORARY WATERBAR/SLOPE BREAKER	BSRF	BELTED SILT RETENTION FENCE (BSRF)
TRENCH BREAKER/PLUG	COIR LOG	COIR LOG
STREAM CROSSING	COMPOST FILTER SOCK	COMPOST FILTER SOCK
USFWS STREAM CROSSING WITH ENHANCED CONTROLS	ORANGE SAFETY FENCE	ORANGE SAFETY FENCE
CONSTRUCTION ENTRANCE WITH DITCH	ROADSIDE DITCH	ROADSIDE DITCH
CULVERT/WATERBAR	SOIL TYPE	SOIL TYPE

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

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

SCALE:	AS SHOWN
DATE:	06/09/17
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PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E189
189	OF	189