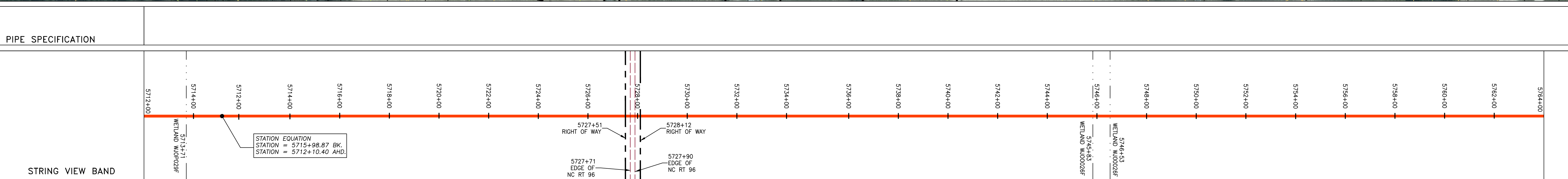
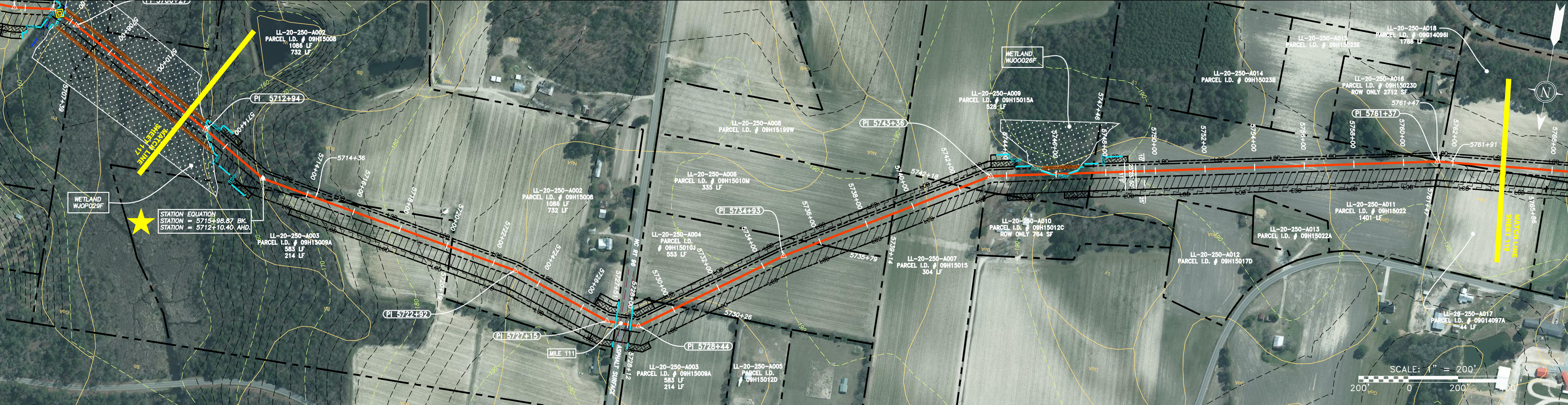


Table of Property Ownership with columns for parcel ID, owner name, and area (e.g., LL-20-250-A002, 1086 LF).



Legend table defining symbols for Property Line, Fence, Stream, Gas Pipeline, Access Road, Storm Sewer, Water Line, Sanitary Sewer, Edge of Gravel, Proposed Gas Pipeline, Extra Work Space, Topsoil Segregation Area, Area of No Disturbance, Wetland, Utility Pole, Permanent Waterbar/Slope Breaker, Stream Crossing, Construction Entrance, and Culvert/Waterbar.

- 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. 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. 9. 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.

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 11\SHEETS - 117-121 (1-5) - REROUTE 6-23-15.DWG

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

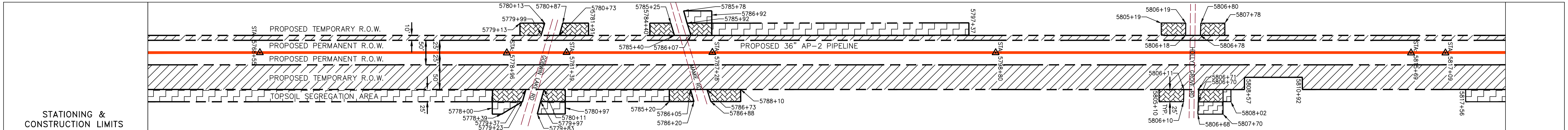
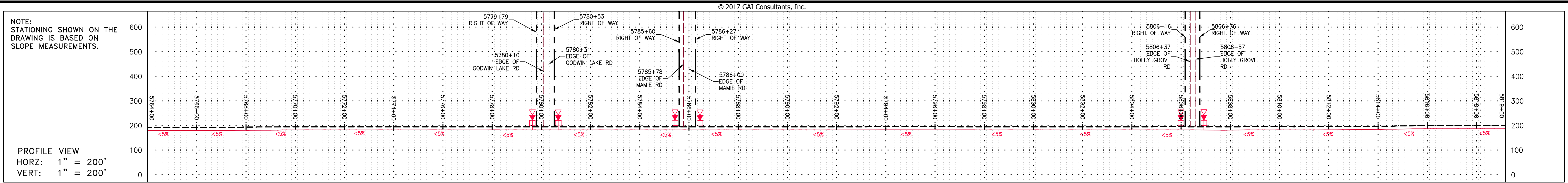
Professional Engineer seal for GAI CONSULTANTS, INC. and project information: 36" AP-2 PIPELINE, CONSTRUCTION ALIGNMENT STA 5712+00 TO 5764+00, ATLANTIC COAST PIPELINE, LLC, C/O DOMINION TRANSMISSION, INC., 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330.

Scale: AS SHOWN, Date: 06/09/17, Drawn: GPT, Checked: DLH, Approved: NET.

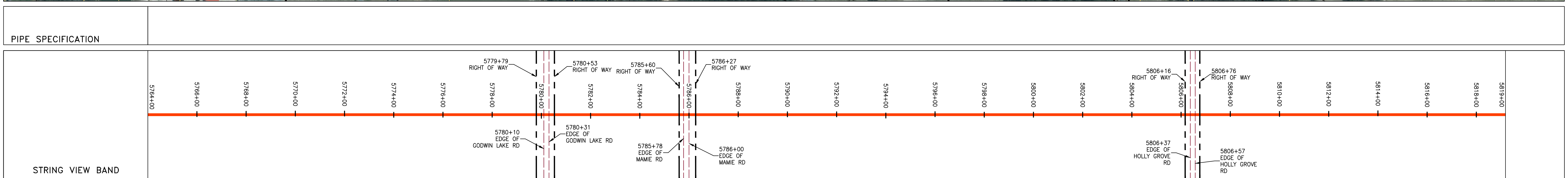
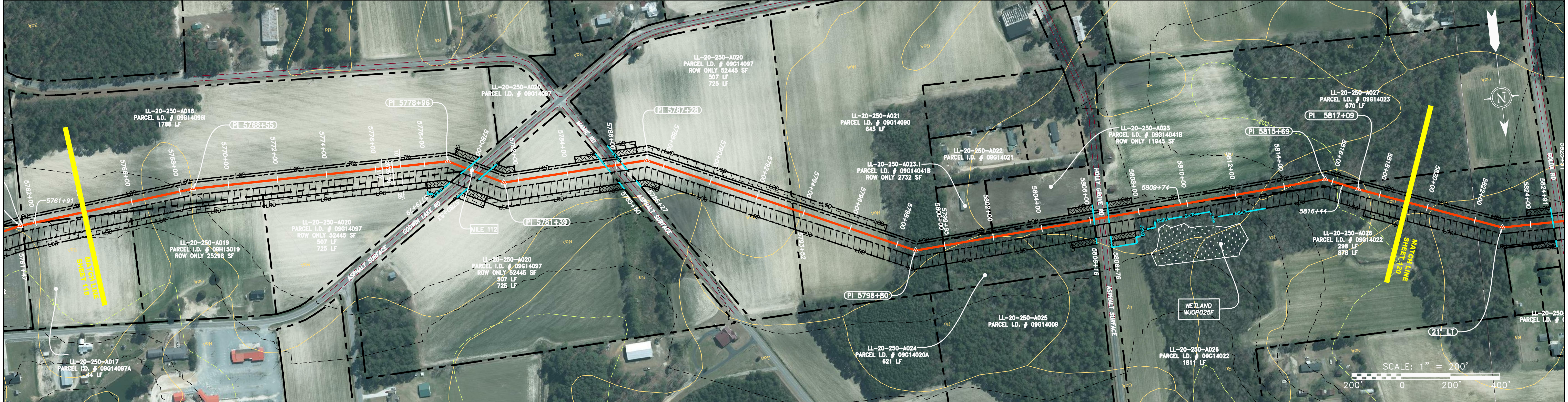
gai consultants - NC, inc. 4198 COX ROAD, SUITE 114, GLEN ALLEN, VA 23060, 804-270-9357, N.C. COL. #00-0269

PROJECT NO./DASH NO. 140468, TASK NO. 005, SUB TASK NO. 00, GROUP ID D, DRAWING NO. E118, 118 OF 189.

GAI CAD FILE NO. R:\050-5159 - SERP - THRASHER - GAI - INC. - GAI - THRASHER - DRAWING\SEC 11\SHEETS - 117-121 (1-5) - REROUTE 6-23-15.DWG



Parcel ID	Parcel I.D. #	ROW ONLY
LL-20-250-A019	09H15019	25298 SF
LL-20-250-A018	09G140961	1788 LF
LL-20-250-A020	09G14097	52445 SF
LL-20-250-A020	09G14097	507 LF
LL-20-250-A020	09G14097	725 LF
LL-20-250-A021	09G14090	643 LF
LL-20-250-A023.1	09G14041B	2732 SF
LL-20-250-A023	09G14041B	11945 SF
LL-20-250-A024	09G14020A	621 LF
LL-20-250-A026	09G14022	298 LF
LL-20-250-A027	09G14023	670 LF
LL-20-250-A028	09G14022	878 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 (EDGE SHOWN TO PROVIDE CLARITY ONLY)		UTILITY POLE

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

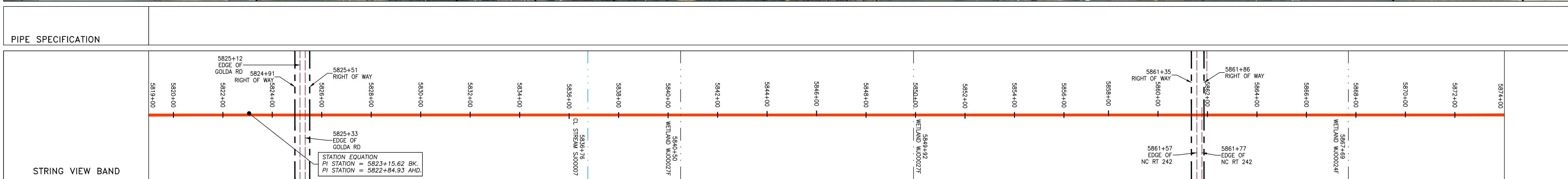
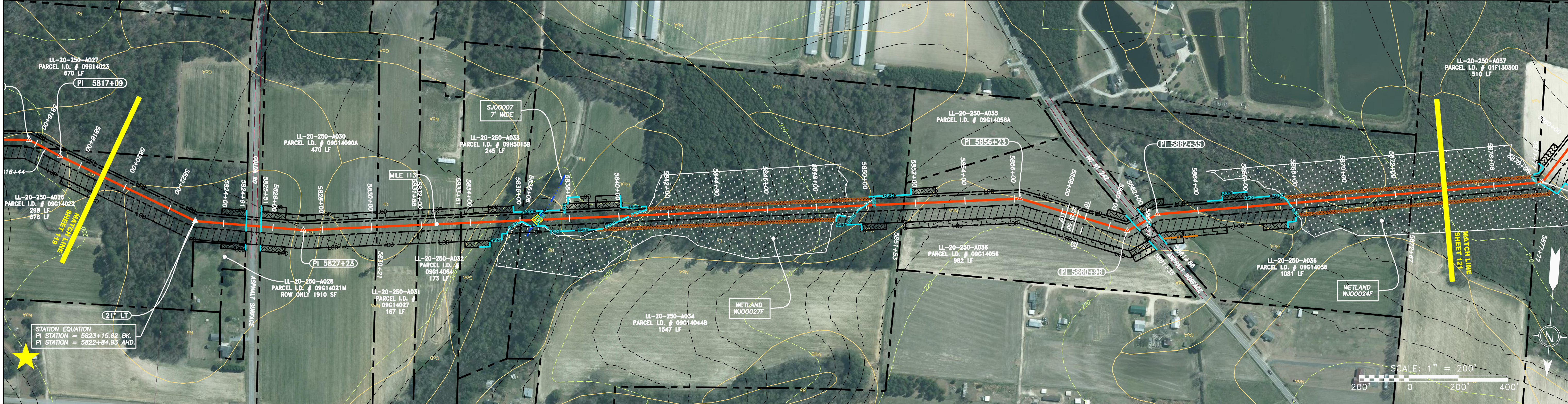
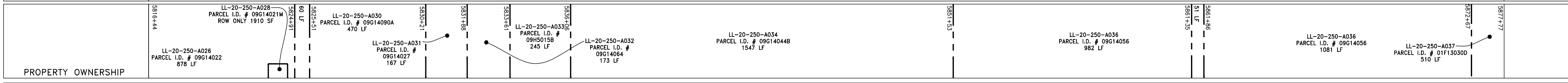
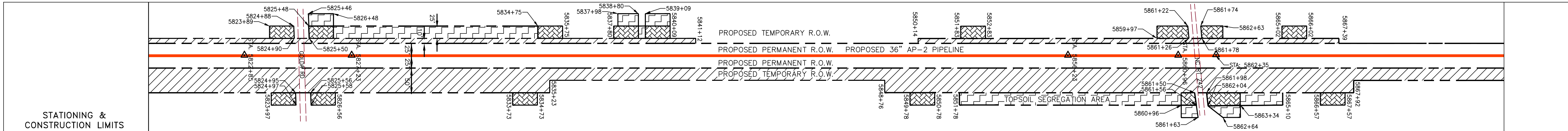
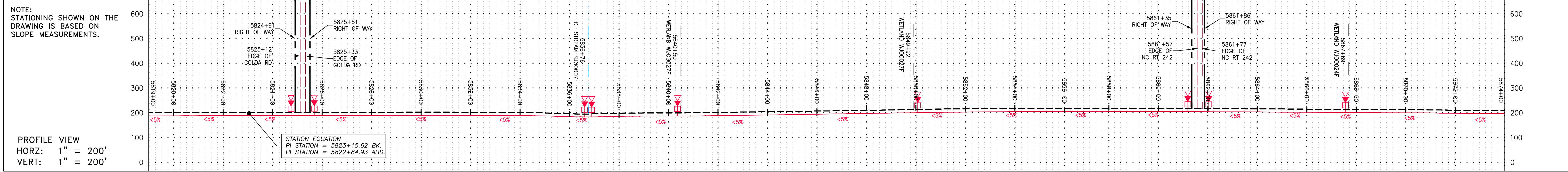
NOTES:

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NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

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

PROJECT NO./DASH NO.		140468
TASK NO.	SUB TASK NO.	005 00
GROUP ID	DRAWING NO.	D E119
119	OF	189



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	▨	PROPOSED TEMPORARY R.O.W.	▨	PROPOSED TEMPORARY R.O.W.	▨	UTILITY POLE
— G — G —	EXISTING GAS PIPELINE	— W —	SANITARY SEWER	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	▨	PROPOSED TEMPORARY R.O.W.	▨	UTILITY POLE
— OH —	OVERHEAD UTILITY LINES	— W —	EDGE OF GRAVEL	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	▨	PROPOSED TEMPORARY R.O.W.	▨	UTILITY POLE
— A —	ACCESS ROAD	— W —	PROPOSED PERMANENT EASEMENT	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	▨	PROPOSED TEMPORARY R.O.W.	▨	UTILITY POLE
— G —	PROPOSED GAS PIPELINE	— W —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▨	AREA OF NO DISTURBANCE	▨	PROPOSED TEMPORARY R.O.W.	▨	PROPOSED TEMPORARY R.O.W.	▨	UTILITY POLE

NOTES:

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NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 5819+00 TO 5874+00

JOHNSTON 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

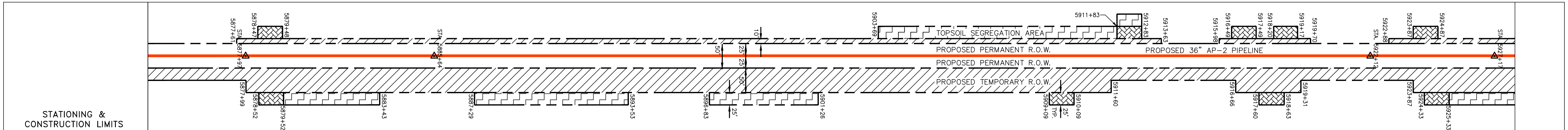
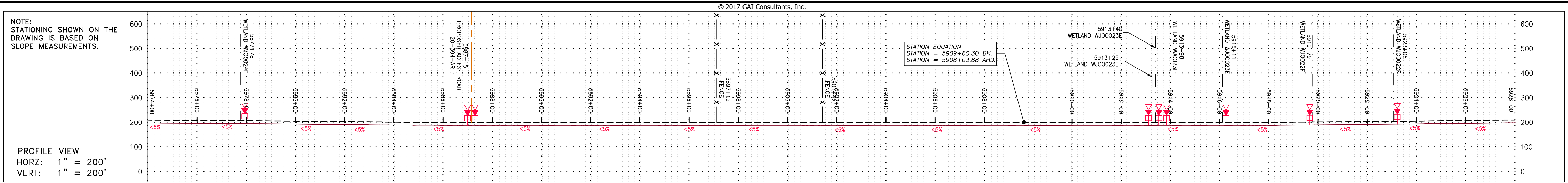
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005 00

GROUP ID DRAWING NO.
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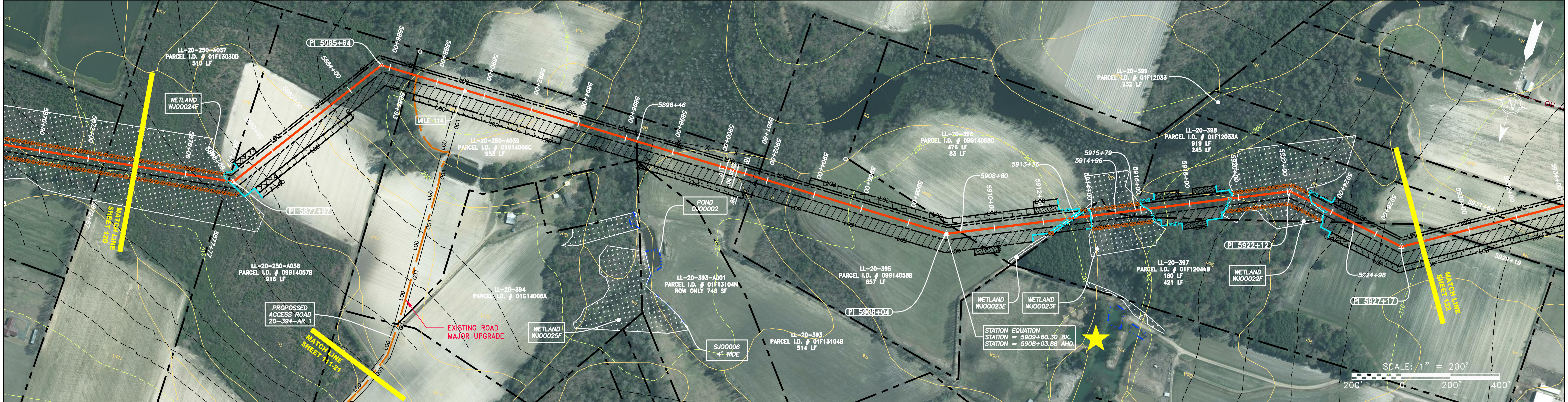
120 OF 189

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 11\SHEETS - 117-121 (1-5) - REROUTE 6-23-15.DWG

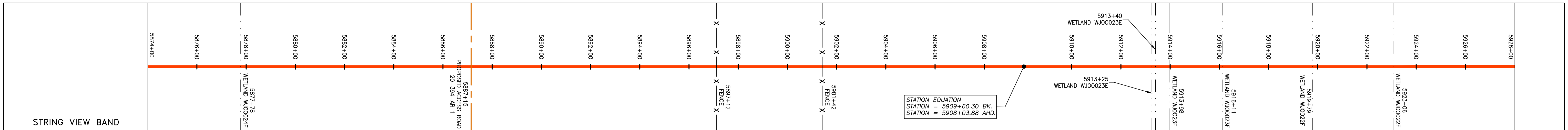
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PROPERTY OWNERSHIP
LL-20-250-A037 PARCEL I.D. # 01F13030D 510 LF
LL-20-250-A038 PARCEL I.D. # 09G14057B 916 LF
LL-20-250-A039 PARCEL I.D. # 01G14006C 953 LF
LL-20-393-AD01 PARCEL I.D. # 01F13104N ROW ONLY 746 SF
LL-20-393 PARCEL I.D. # 01F13104B 514 LF
LL-20-395 PARCEL I.D. # 09G14058B 857 LF
LL-20-396 PARCEL I.D. # 09G14058C 476 LF
LL-20-397 PARCEL I.D. # 01F12046B 160 LF
LL-20-396 PARCEL I.D. # 09G14058C 83 LF
LL-20-398 PARCEL I.D. # 01F12033A 919 LF
LL-20-397 PARCEL I.D. # 01F12046B 421 LF



PIPE SPECIFICATION
5874+00
5876+00
5878+00
5880+00
5882+00
5884+00
5886+00
5888+00
5890+00
5892+00
5894+00
5896+00
5898+00
5900+00
5902+00
5904+00
5906+00
5908+00
5910+00
5912+00
5914+00
5916+00
5918+00
5920+00
5922+00
5924+00
5926+00
5928+00



LEGEND

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

NOTES:

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REVISIONS		DESCRIPTION
NO.	DATE	DWN.

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 5874+00 TO 5928+00
 JOHNSTON 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
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PROJECT NO./DASH NO. **140468**
 TASK NO. SUB TASK NO. **005 00**
 GROUP ID DRAWING NO. **D E121**
121 OF 189