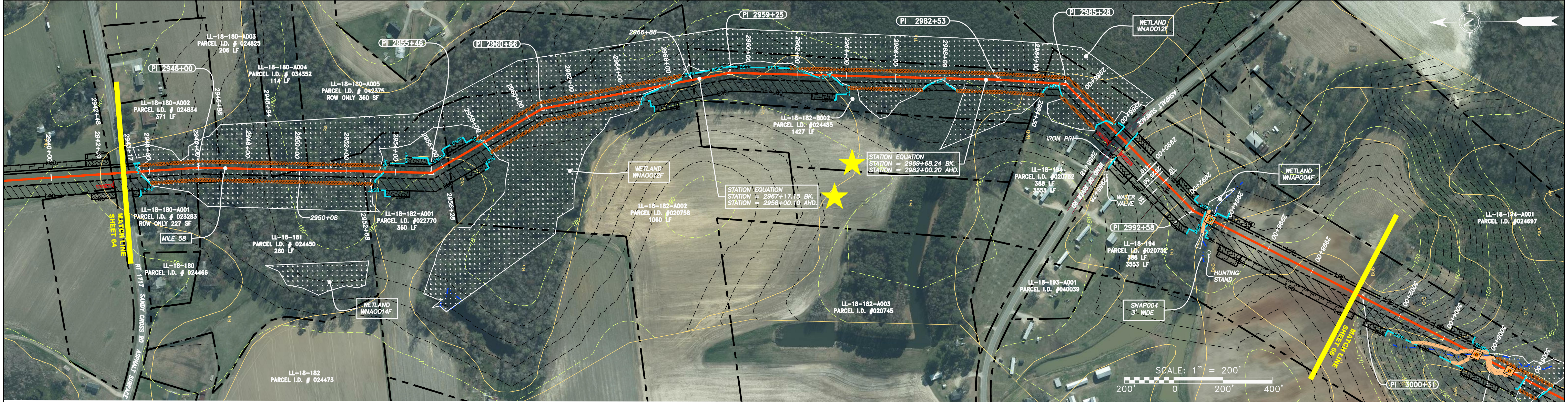


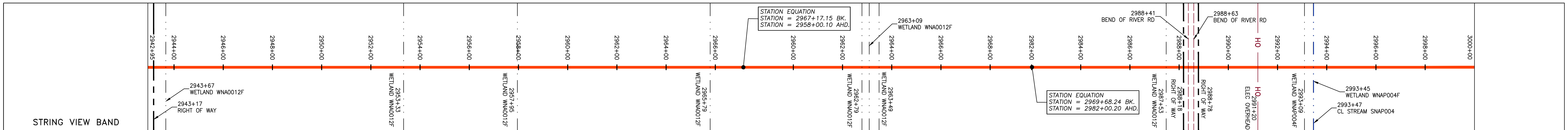
PROPERTY OWNERSHIP

LL-18-180-A001 PARCEL I.D. # 023283 ROW ONLY 227 SF	LL-18-180-A002 PARCEL I.D. # 024834 371 LF	LL-18-180-A003 PARCEL I.D. # 024825 206 LF	LL-18-181 PARCEL I.D. # 024450 260 LF	LL-18-182-A001 PARCEL I.D. # 022270 360 LF	LL-18-180-A004 PARCEL I.D. # 034352 ROW ONLY 360 SF	LL-18-182-A002 PARCEL I.D. # 020758 1060 LF	LL-18-182-B002 PARCEL I.D. # 024485 1427 LF	LL-18-194 PARCEL I.D. # 020752 388 LF	LL-18-194 PARCEL I.D. # 020752 3553 LF	3024+51
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PIPE SPECIFICATION

36" AP-2 PIPELINE	3" WIDE
-------------------	---------



**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	— S —	SANITARY SEWER	▨	WETLAND	▨	UTILITY POLE	▨	TRENCH BREAKER/PLUG	— COIR LOG —	COIR LOG
— OH —	EXISTING GAS PIPELINE	— E —	EDGE OF GRAVEL	▨	WETLAND	▨	UTILITY POLE	▨	STREAM CROSSING	— COMPOST FILTER SOCK —	COMPOST FILTER SOCK
— G —	OVERHEAD UTILITY LINES	— E —	PROPOSED PERMANENT EASEMENT	▨	WETLAND	▨	UTILITY POLE	▨	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	— ORANGE SAFETY FENCE —	ORANGE SAFETY FENCE
— G —	ACCESS ROAD	— E —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	▨	WETLAND	▨	UTILITY POLE	▨	CONSTRUCTION ENTRANCE WITH DITCH	— ROADSIDE DITCH —	ROADSIDE DITCH
— G —	PROPOSED GAS PIPELINE	— E —		▨	WETLAND	▨	UTILITY POLE	▨	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:**

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
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- IMAGERY TAKEN FROM GOOGLE EARTH.
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REVISIONS

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

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**

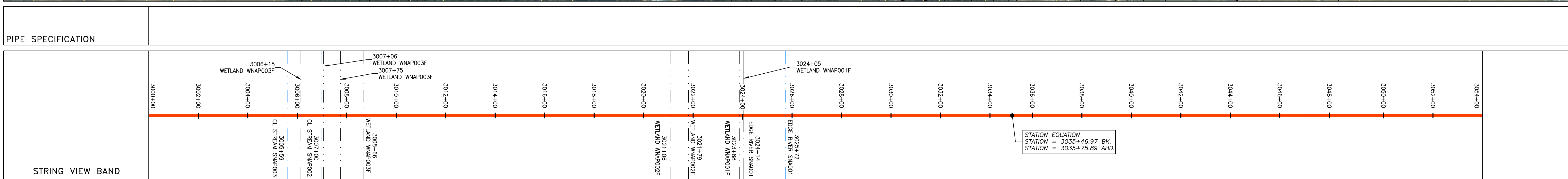
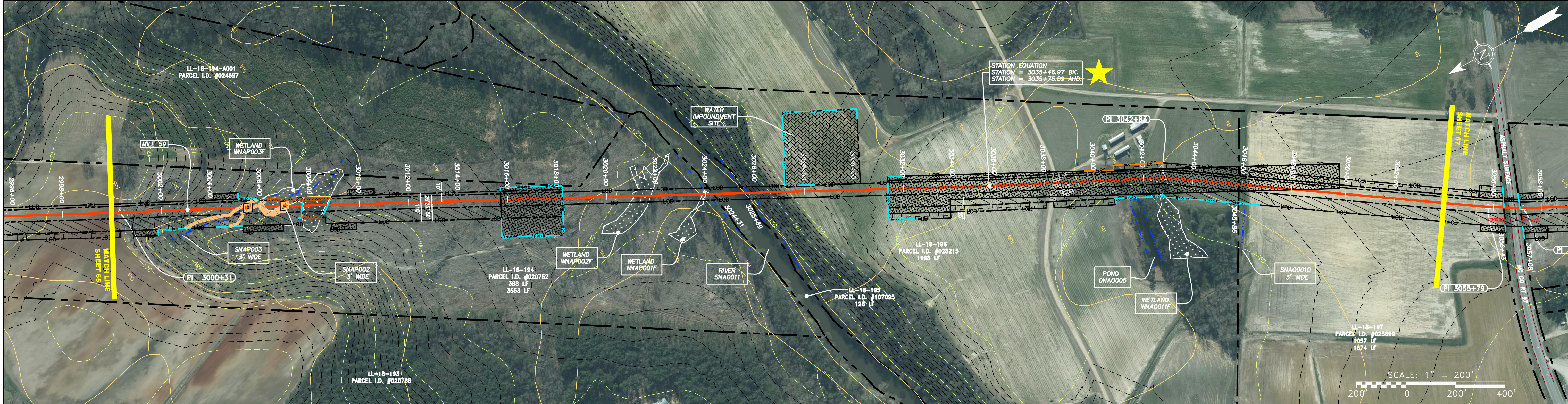
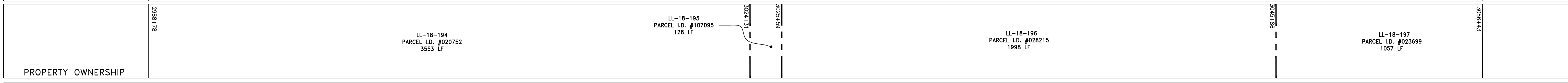
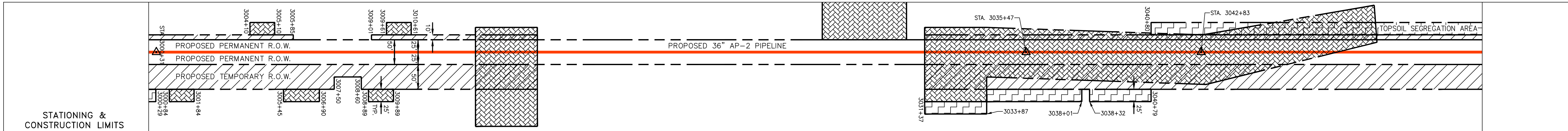
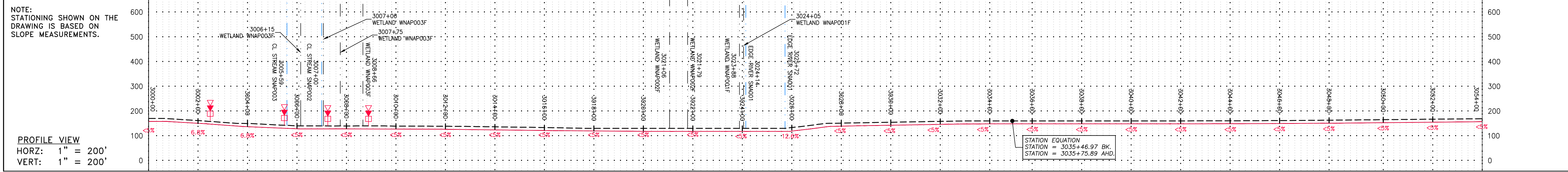
TASK NO. SUB TASK NO.  
**005 00**

GROUP ID DRAWING NO.  
**D E065**

65 OF 189

GAI CAD FILE NO. \ITG-FS\THRASHER\050-5159 - GAI, INC. - SERP - MAPPING\SURVEY\DRAWING\SEC 10\SECT 10 SHEETS - 65-69 (1-5) REROUTE.DWG





**LEGEND**

— X — X —	PROPERTY LINE	— E —	UNDERGROUND ELECTRIC	— W —	WATER LINE	— G —	EXISTING GAS PIPELINE	— SAN —	SANITARY SEWER	OH	OVERHEAD UTILITY LINES	—	ACCESS ROAD	—	PROPOSED PERMANENT EASEMENT	—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
—	FENCE	—	STREAM	—	EXISTING STREAM	—	WETLAND	—	WETLAND	—	WETLAND	—	WETLAND	—	WETLAND	—	WETLAND
—	EXTRA WORK SPACE	—	TOPSOIL SEGREGATION AREA	—	AREA OF NO DISTURBANCE	—	PROPOSED TEMPORARY R.O.W.	—	UTILITY POLE	—	WETLAND	—	WETLAND	—	WETLAND	—	WETLAND
—	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	—	COIR LOG	—	COMPOST FILTER SOCK	—	ORANGE SAFETY FENCE	—	ROADSIDE DITCH	—	SOIL TYPE	—	PERMANENT WATERBAR/SLOPE BREAKER	—	TEMPORARY WATERBAR/SLOPE BREAKER	—	TRENCH BREAKER/PLUG

**NOTES:**

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

REVISIONS	
NO.	DATE
DWN.	CHKD.
APPD.	DESCRIPTION

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

PROJECT NO./DASH NO. 140468  
 TASK NO. SUB TASK NO. 005 00  
 GROUP ID DRAWING NO. D E066  
 66 OF 189

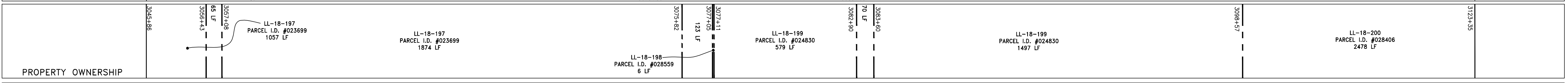
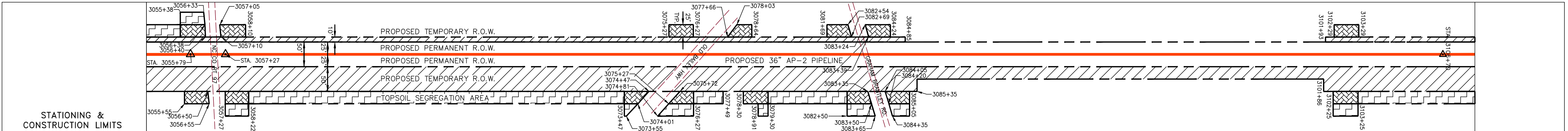
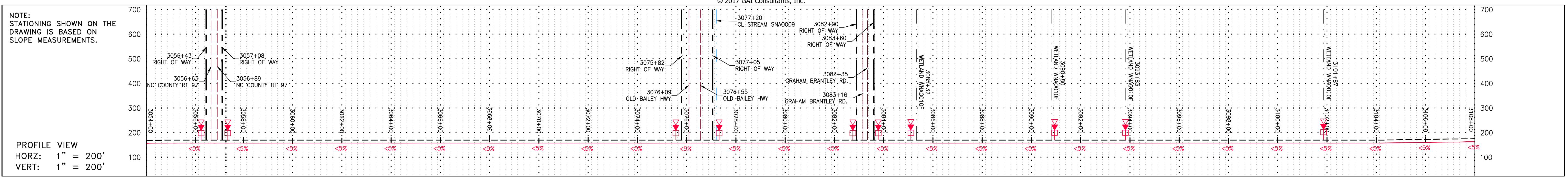
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 CONSTRUCTION ALIGNMENT STA 3000+00 TO 3055+00  
 NASH COUNTY, NORTH CAROLINA  
 ATLANTIC COAST PIPELINE, LLC  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

gai consultants - NC, inc.  
 4198 COX ROAD  
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 GLEN ALLEN, VA 23060  
 804-270-9357  
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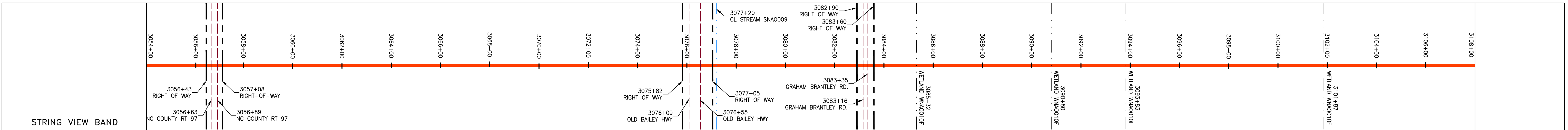
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GAI CAD FILE NO. \\\TTC-FS\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 10\SECT 10 SHEETS - 65-69 (1-5) REROUTE.DWG



PIPE SPECIFICATION table with columns for stationing and pipe details.



LEGEND table defining symbols for Property Line, Fence, Stream, Existing Gas Pipeline, Overhead Utility Lines, Access Road, Proposed Gas Pipeline, Storm Sewer, Water Line, Sanitary Sewer, Edge of Gravel, Proposed Permanent Easement, Extra Work Space, Area of No Disturbance, Wetland, Topsoil Segregation Area, Proposed Temporary R.O.W., Utility Pole, Permanent Waterbar/Slope Breaker, Temporary Waterbar/Slope Breaker, Trench Breaker/Plug, Stream Crossing, USFWS Stream Crossing, Construction Entrance with Ditch, Culvert/Waterbar, LOD, BSRF, Coir Log, Compost Filter Sock, Orange Safety Fence, Roadside Ditch, and 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. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. 6. ALL STATIONING SHOWN IS SLOPE STATIONING. 7. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. 8. 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.

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

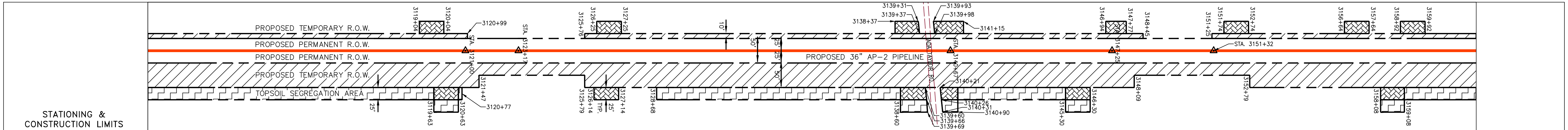
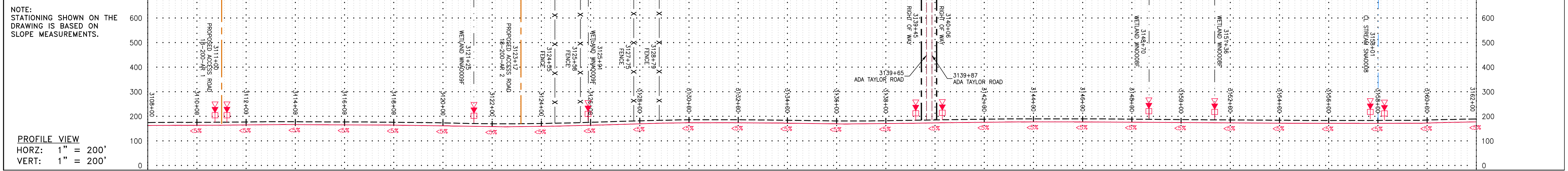
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Scale: AS SHOWN, Date: 06/09/17, Drawn: GPT, Checked: DLH, Approved: NET.

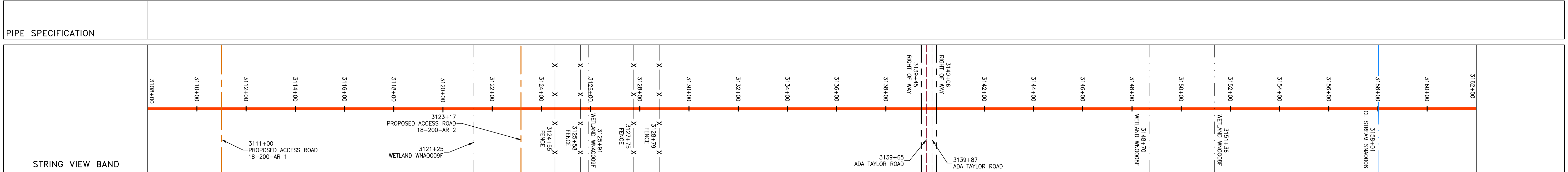
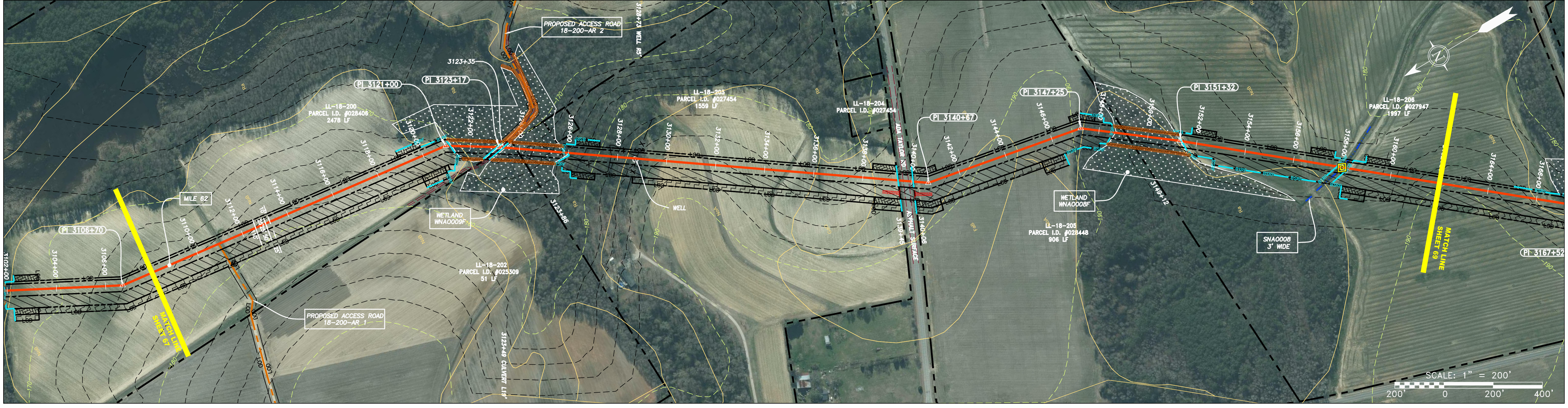
gai consultants - NC, inc. 4198 COX ROAD, SUITE 114, GLEN ALLEN, VA 23060, 804-270-9357, N.C. COL. #0269

PROJECT NO./DASH NO. 140468, TASK NO. 005, SUB TASK NO. 00, GROUP ID D, DRAWING NO. E067, 67 OF 189.





PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
LL-18-200 PARCEL I.D. #028406 2478 LF	3108+00 to 3123+55
LL-18-202 PARCEL I.D. #025309 51 LF	3123+55 to 3132+86
LL-18-203 PARCEL I.D. #027454 1559 LF	3132+86 to 3149+12
LL-18-205 PARCEL I.D. #028448 906 LF	3149+12 to 3159+08
LL-18-206 PARCEL I.D. #027947 1997 LF	3159+08 to 3162+00



<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>— X — X — PROPERTY LINE</li> <li>— — — FENCE</li> <li>— — — STREAM</li> <li>— G — G — EXISTING GAS PIPELINE</li> <li>— OH — OVERHEAD UTILITY LINES</li> <li>— — — ACCESS ROAD</li> <li>— — — PROPOSED GAS PIPELINE</li> <li>— — — UNDERGROUND ELECTRIC</li> <li>— W — WATER LINE</li> <li>— SAN — SANITARY SEWER</li> <li>— — — EDGE OF GRAVEL</li> <li>— — — PROPOSED PERMANENT EASEMENT</li> <li>— — — PROPOSED GAS PIPELINE (NO GROUND SURVEY)</li> </ul>	<ul style="list-style-type: none"> <li>[Hatched Box] EXTRA WORK SPACE</li> <li>[Hatched Box] AREA OF NO DISTURBANCE</li> <li>[Green Box] WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)</li> <li>[Hatched Box] TOPSOIL SEGREGATION AREA</li> <li>[Hatched Box] PROPOSED TEMPORARY R.O.W.</li> <li>[Circle with X] UTILITY POLE</li> </ul>	<ul style="list-style-type: none"> <li>[Triangle with X] PERMANENT WATERBAR/SLOPE BREAKER</li> <li>[Triangle with X] TEMPORARY WATERBAR/SLOPE BREAKER</li> <li>[Triangle with X] TRENCH BREAKER/PLUG</li> <li>[Diamond with X] STREAM CROSSING</li> <li>[Diamond with X] USFWS STREAM CROSSING WITH ENHANCED CONTROLS</li> <li>[Triangle with X] CONSTRUCTION ENTRANCE WITH DITCH</li> <li>[Triangle with X] CULVERT/ WATERBAR</li> <li>[Line] LOD — LIMIT OF DISTURBANCE</li> <li>[Line] BSRF — BELTED SILT RETENTION FENCE (BSRF)</li> <li>[Line] COIR LOG</li> <li>[Line] COMPOST FILTER SOCK</li> <li>[Line] ORANGE SAFETY FENCE</li> <li>[Line] ROADSIDE DITCH</li> <li>[Circle with X] SOIL TYPE</li> </ul>	<p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.</li> <li>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.</li> <li>IMAGERY TAKEN FROM GOOGLE EARTH.</li> <li>THE PROPERTY LINES SHOWN ARE BASED ON GIS &amp; 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.</li> <li>STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.</li> <li>EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.</li> <li>ALL STATIONING SHOWN IS SLOPE STATIONING.</li> <li>SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.</li> <li>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.</li> <li>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.</li> </ol>
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NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION



**36" AP-2 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 3108+00 TO 3162+00**  
 WASH COUNTY, NORTH CAROLINA  
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

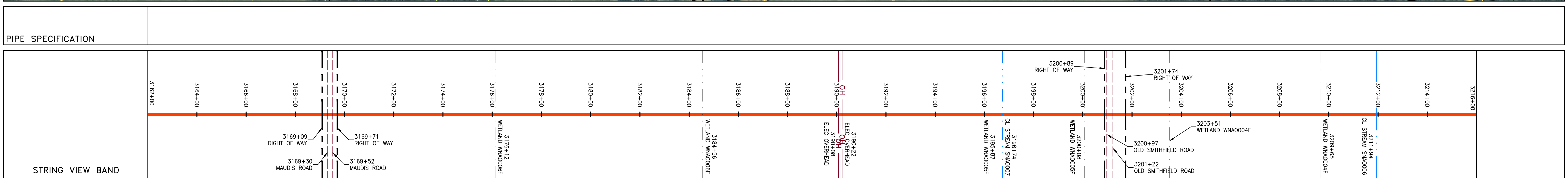
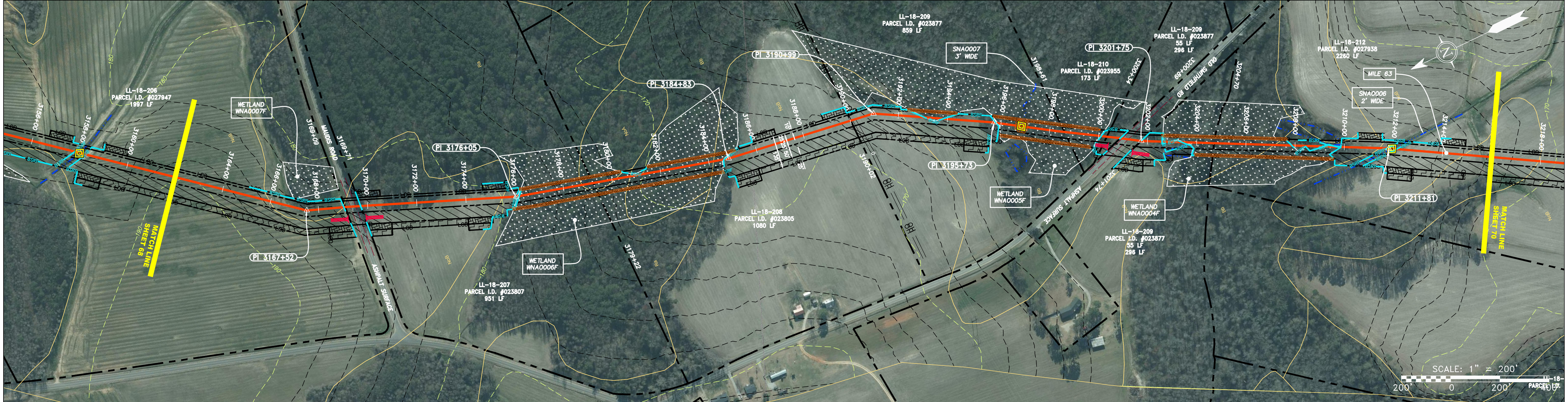
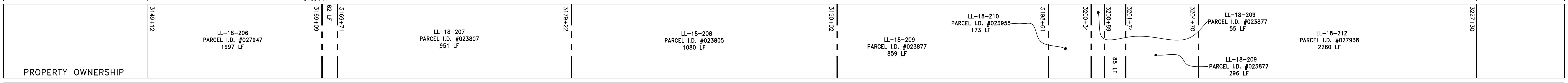
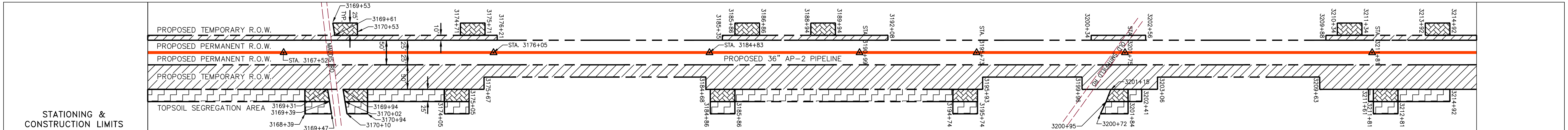
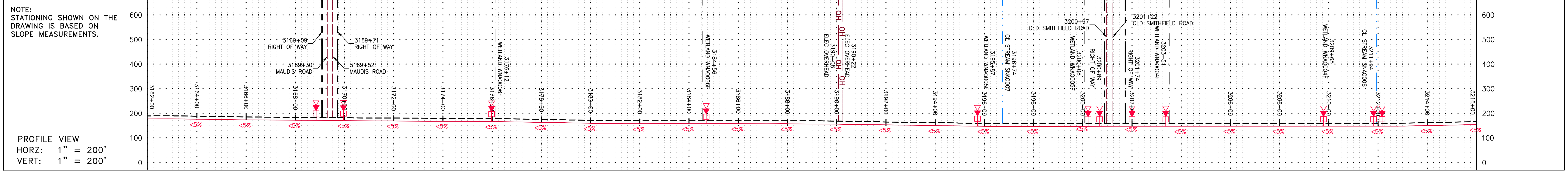
SCALE:	AS SHOWN
DATE:	06/09/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

gai consultants - NC, inc.  
 4198 COX ROAD  
 SUITE 114  
 GLEN ALLEN, VA 23060  
 804-270-9357  
 N.C. COL #0-0269

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E068
68 OF 189	

GAI CAD FILE NO. \\\TTC-FS\THRASHER\050-5159 - GAI, INC. - GAI - THRASHER - MAPPING\SURVEY DRAWING\SEC 10\SECT 10 SHEETS - 65-69 (1-5) REROUTE.DWG





**LEGEND**

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

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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

**REVISIONS**

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

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

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

GROUP ID DRAWING NO. **D E069**

69 OF 189

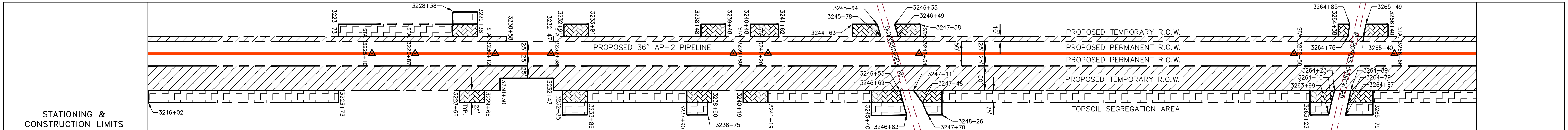
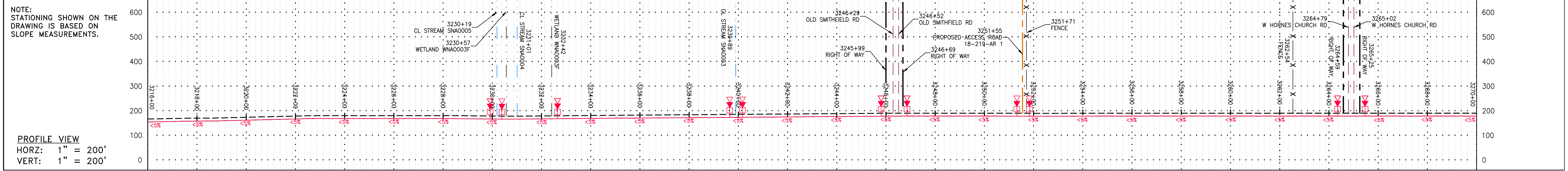
gai consultants - NC, inc.  
4198 COX ROAD  
SUITE 114  
GLEN ALLEN, VA 23060  
804-270-9357  
N.C. COL #F-0269

GAI CAD FILE NO. \\\TTC-FS\THRASHER\_050-5159 - GAI, INC. - SERP - MAPPING\SURVEY\_DRAWING\SEC 10\SECT 10 SHEETS - 65-69 (1-5) REROUTE.DWG

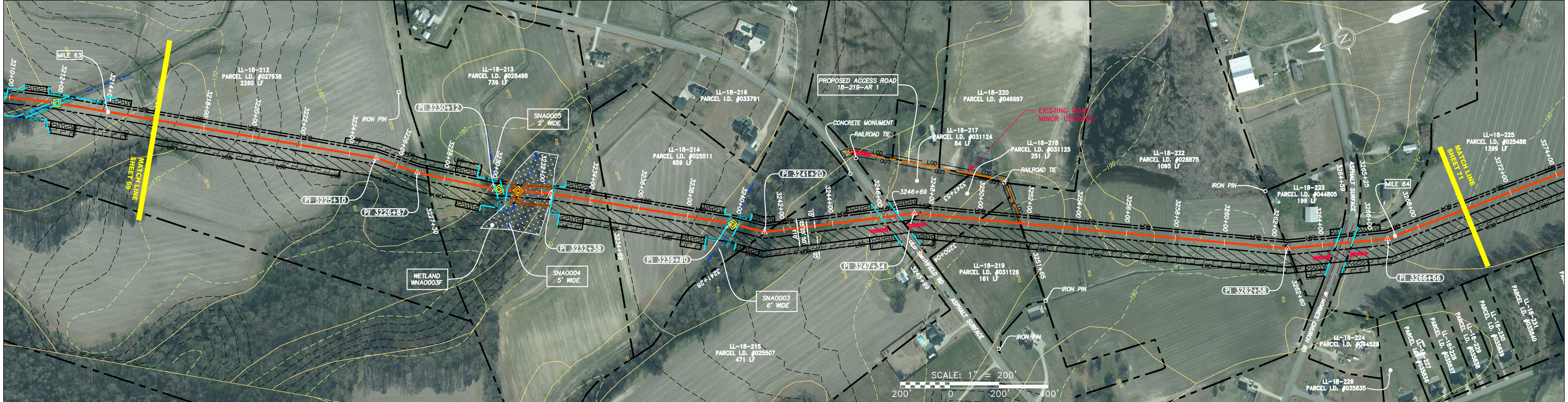


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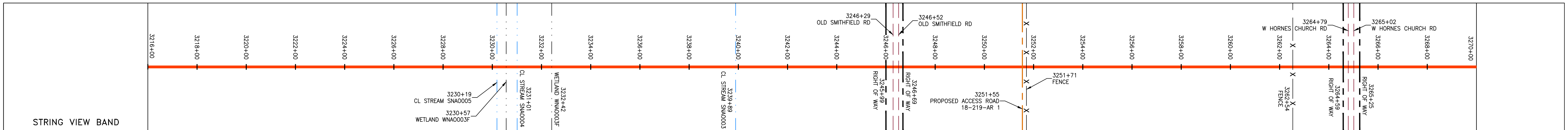


PROPERTY OWNERSHIP	PARCEL I.D.	AREA (LF)
LL-18-212	#027938	2260 LF
LL-18-213	#028498	739 LF
LL-18-214	#025511	659 LF
LL-18-215	#025507	471 LF
LL-18-216	#031124	84 LF
LL-18-217	#031124	84 LF
LL-18-218	#031125	251 LF
LL-18-219	#031126	161 LF
LL-18-220	#046897	1095 LF
LL-18-221	#028875	1095 LF
LL-18-222	#028875	1095 LF
LL-18-223	#044805	199 LF
LL-18-224	#044538	199 LF
LL-18-225	#025466	1399 LF
LL-18-226	#035835	199 LF



PIPE SPECIFICATION

3216+00	3218+00	3220+00	3222+00	3224+00	3226+00	3228+00	3230+00	3232+00	3234+00	3236+00	3238+00	3240+00	3242+00	3244+00	3246+00	3248+00	3250+00	3252+00	3254+00	3256+00	3258+00	3260+00	3262+00	3264+00	3266+00	3268+00	3270+00
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**LEGEND**

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

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

36" AP-2 PIPELINE  
 CONSTRUCTION ALIGNMENT STA 3216+00 TO STA 3270+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

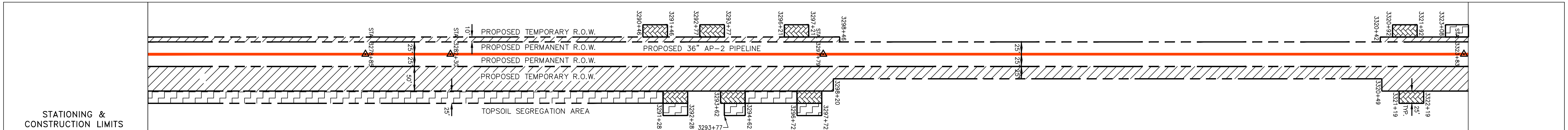
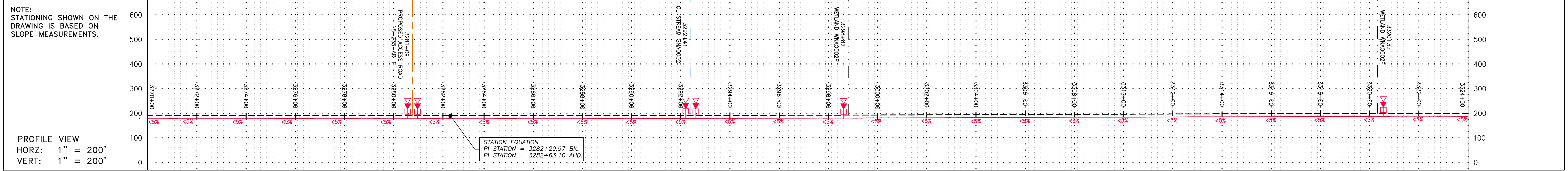
PROJECT NO./DASH NO.  
**140468**

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

GROUP ID DRAWING NO.  
**D E070**

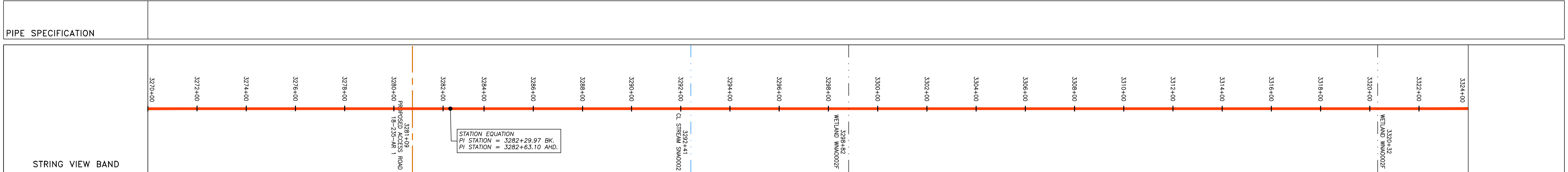
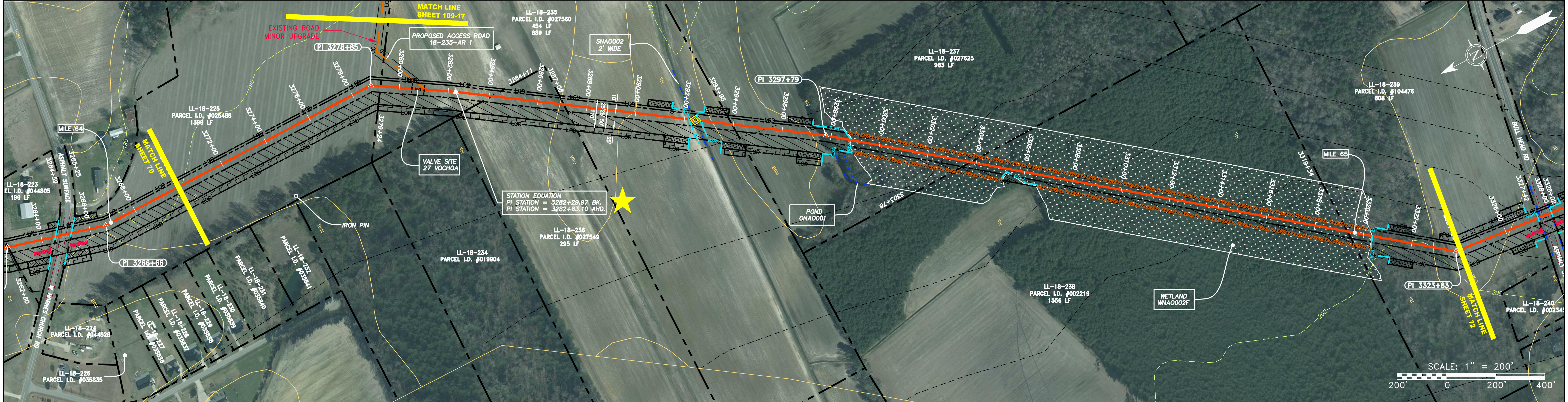
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PROPERTY OWNERSHIP

3265+25	3279+24	3284+11	3287+06	3293+77	3303+79	3319+34	3327+42
LL-18-225 PARCEL I.D. #025488 1399 LF	LL-18-235 PARCEL I.D. #027560 454 LF	LL-18-236 PARCEL I.D. #027549 295 LF	LL-18-235 PARCEL I.D. #027560 689 LF	LL-18-237 PARCEL I.D. #027625 983 LF		LL-18-238 PARCEL I.D. #002219 1556 LF	LL-18-239 PARCEL I.D. #104476 808 LF



**LEGEND**

— X — X —	PROPERTY LINE	— E —	STORM SEWER	—	EXTRA WORK SPACE	—	TOPSOIL SEGREGATION AREA
—	FENCE	— W —	UNDERGROUND ELECTRIC	—	—	—	—
—	STREAM	—	WATER LINE	—	—	—	—
— G — G —	EXISTING GAS PIPELINE	— SAN —	SANITARY SEWER	—	—	—	PROPOSED TEMPORARY R.O.W.
— OH —	OVERHEAD UTILITY LINES	—	EDGE OF GRAVEL	—	—	—	—
—	ACCESS ROAD	—	PROPOSED PERMANENT EASEMENT	—	—	—	—
—	PROPOSED GAS PIPELINE	—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	—	—	—	—

**NOTES:**

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

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

**36" AP-2 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 3270+00 TO 3324+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 #F-0269

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

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

GROUP ID DRAWING NO.  
**D E071**

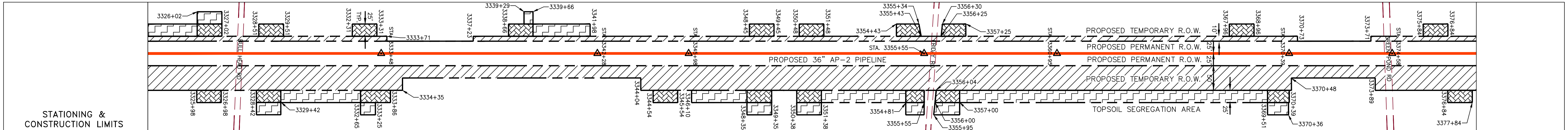
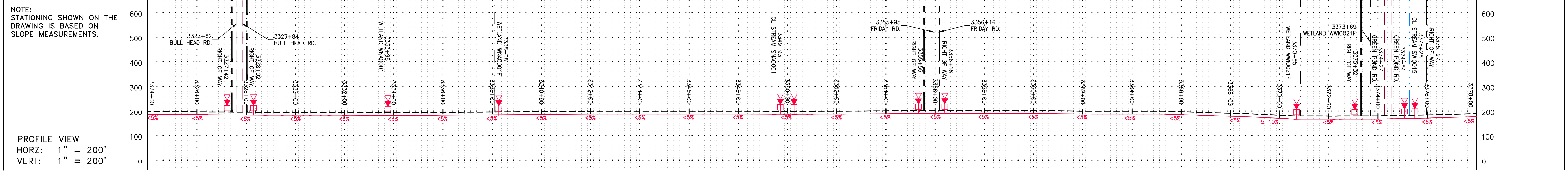
71 OF 189

GAI CAD FILE NO. \ITG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - MAPPING\SURVEY\DRAWING\SEC 10\SECT 10 SHEETS - 70-74 (6-10) REROUTE.DWG

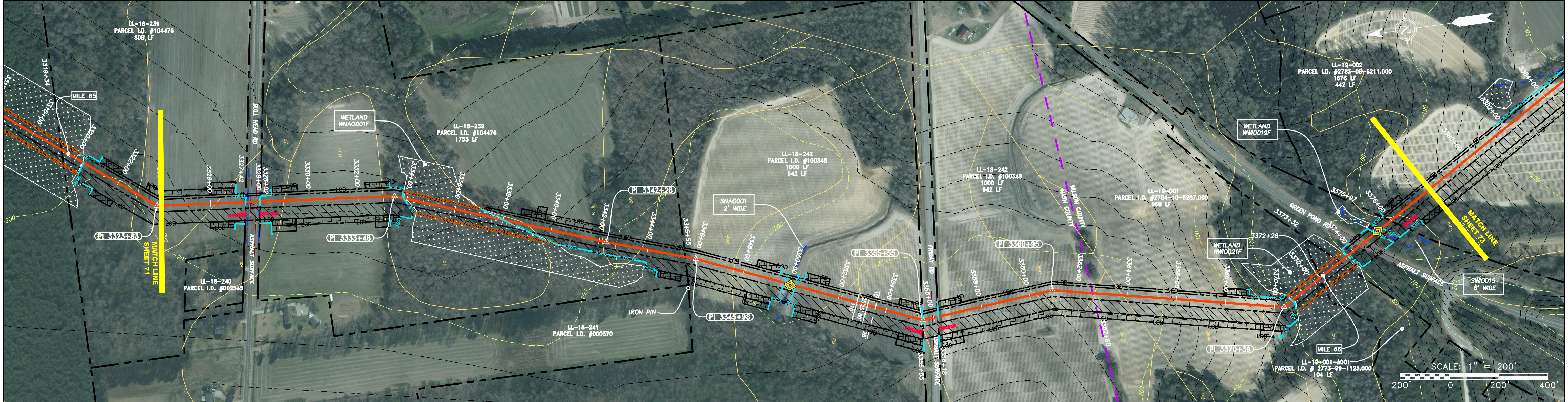


GAI CAD FILE NO. \ITG-FS\THRASHER\050-5159 - GAI, INC. - GAI - THRASHER - SURVEY DRAWING\SEC 10\SECT 10 SHEETS - 70-74 (6-10) REROUTE.DWG

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PROPERTY OWNERSHIP
LL-18-239 PARCEL I.D. #104476 808 LF
LL-18-239 PARCEL I.D. #104476 1753 LF
LL-18-242 PARCEL I.D. #100348 1000 LF
LL-18-242 PARCEL I.D. #100348 642 LF
LL-19-001 PARCEL I.D. #2784-10-5287.000 968 LF
LL-19-002 PARCEL I.D. #2783-06-6211.00 1676 LF



PIPE SPECIFICATION
3324+00
3327+62 BULL HEAD RD.
3328+00
3329+00
3330+00
3331+00
3332+00
3333+00
3334+00
3335+00
3336+00
3337+00
3338+00
3339+00
3340+00
3341+00
3342+00
3343+00
3344+00
3345+00
3346+00
3347+00
3348+00
3349+00
3350+00
3351+00
3352+00
3353+00
3354+00
3355+95 FRIDAY RD.
3356+00
3357+00
3358+00
3359+00
3360+00
3361+00
3362+00
3363+00
3364+00
3365+00
3366+00
3367+00
3368+00
3369+00
3370+00
3371+00
3372+00
3373+00
3374+00
3375+00
3376+00
3377+00
3378+00

**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	<b>NOTES:</b> 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		
ACCESS ROAD	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		

**NOTES:**

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REVISIONS					
NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

**36" AP-2 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 3324+00 TO 3378+00**  
 NASH & WILSON COUNTIES, NORTH CAROLINA  
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

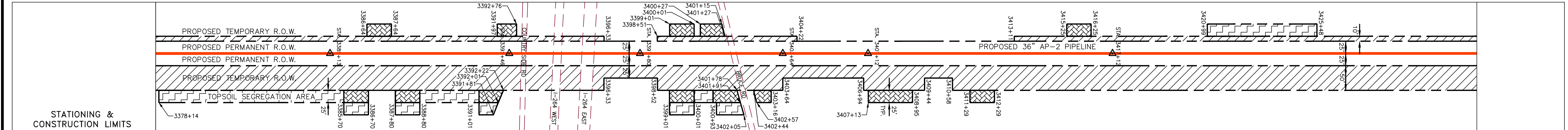
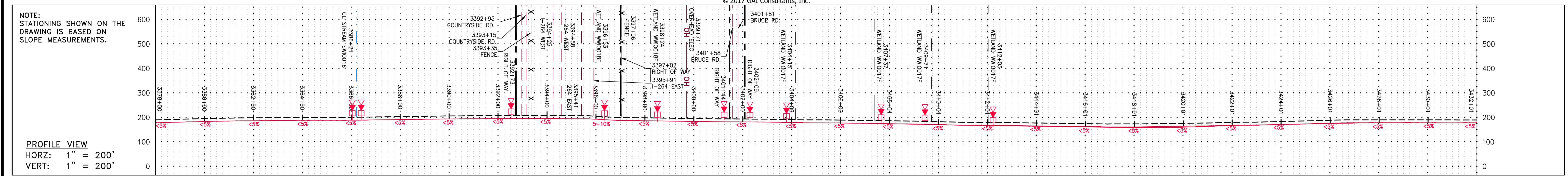
SCALE:	AS SHOWN
DATE:	06/09/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

gai consultants - NC, inc.  
 4198 COX ROAD  
 SUITE 114  
 GLEN ALLEN, VA 23060  
 804-270-9357  
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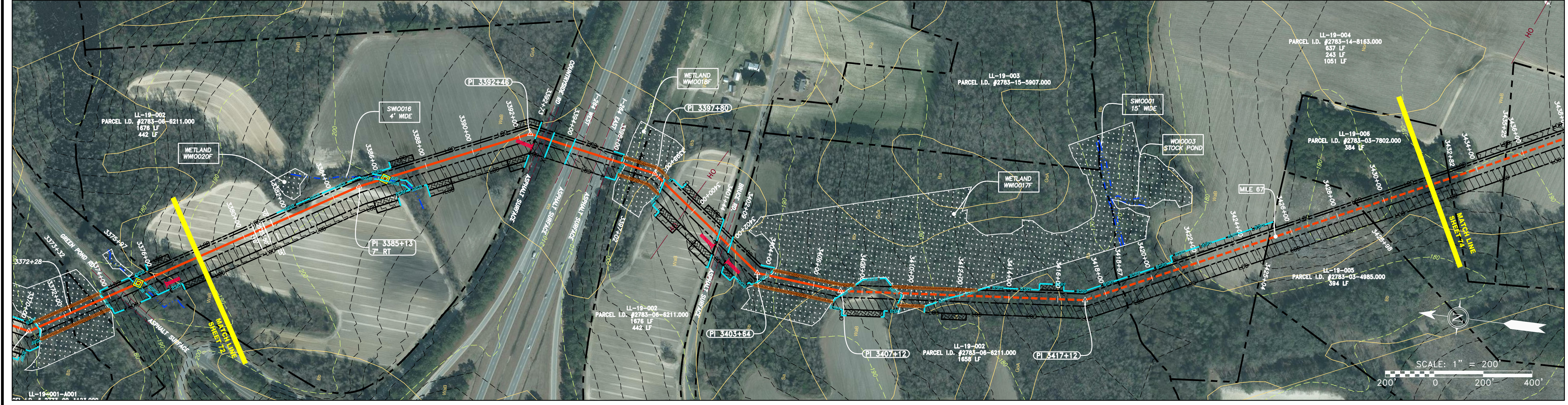
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GROUP ID DRAWING NO.	<b>D E072</b>
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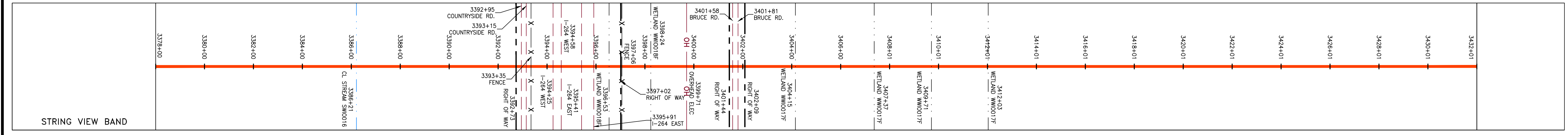
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PROPERTY OWNERSHIP	PARCEL I.D. #	AREA (LF)
LL-19-002	#2783-06-6211.000	1676 LF
LL-19-002	#2783-06-6211.000	442 LF
LL-19-002	#2783-06-6211.000	1658 LF
LL-19-004	#2783-14-8163.000	637 LF
LL-19-004	#2783-03-4985.000	394 LF
LL-19-006	#2783-03-7802.000	384 LF



PIPE SPECIFICATION
3378+00
3380+00
3382+00
3384+00
3386+00
3388+00
3390+00
3392+00
3394+00
3396+00
3398+00
3400+00
3402+00
3404+00
3406+00
3408+00
3410+00
3412+00
3414+00
3416+00
3418+00
3420+00
3422+00
3424+00
3426+00
3428+00
3430+00
3432+00



### LEGEND

	PROPERTY LINE		STORM SEWER
	FENCE		UNDERGROUND ELECTRIC
	STREAM		WATER LINE
	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)

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

**NOTES:** 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 3378+00 TO 3432+00**  
 WILSON COUNTY, NORTH CAROLINA  
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

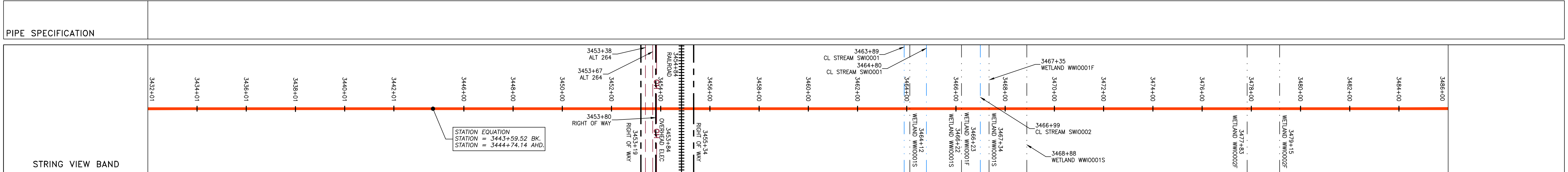
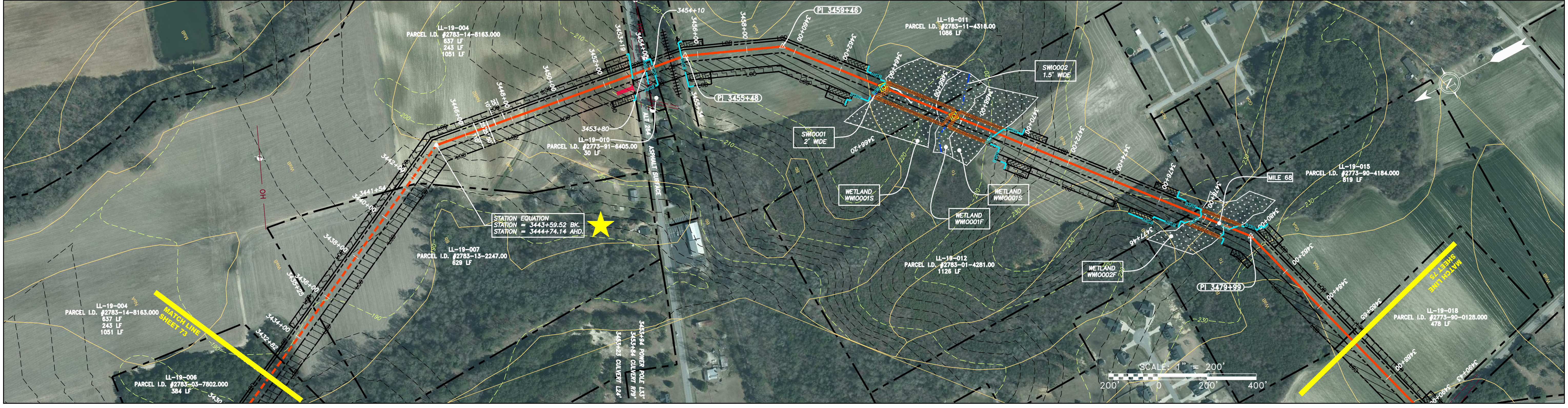
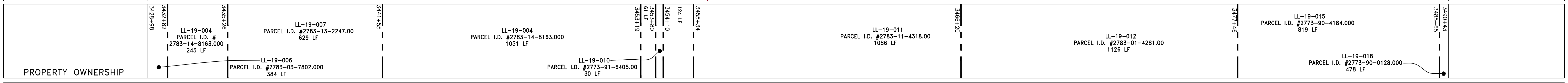
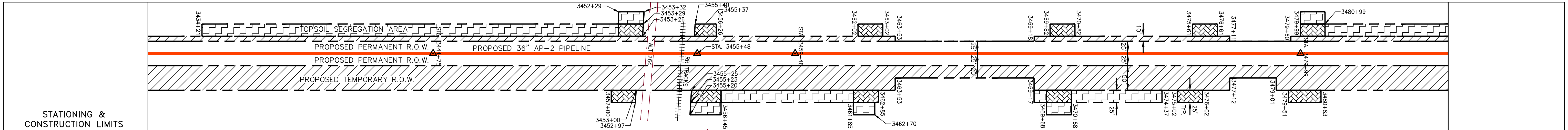
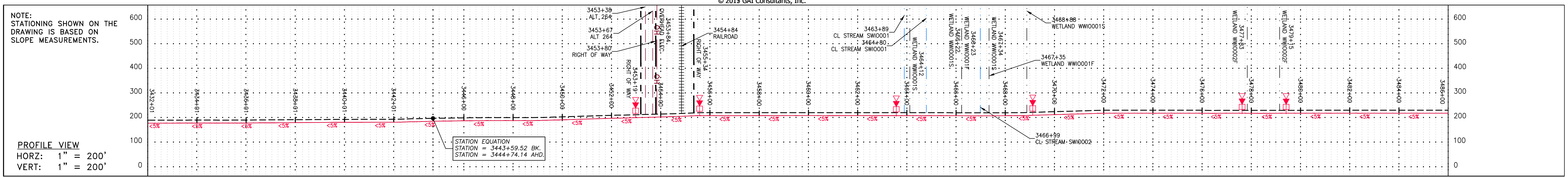
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DATE:	06/09/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

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	E073
73	OF	189



GAI CAD FILE NO. \ITG-FS\THRASHER\050-5159 - GAI, INC. - SERP - MAPPING\SURVEY\DRAWING\SEC 10\SECT 10 SHEETS - 70-74 (6-10) REROUTE.DWG



**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
- AREA OF NO DISTURBANCE
- WETLAND
- 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
- BSRF
- COIR LOG
- COMPOST FILTER SOCK
- ORANGE SAFETY FENCE
- ROADSIDE DITCH
- SOIL TYPE
- LIMIT OF DISTURBANCE
- BELTED SILT RETENTION FENCE (BSRF)
- LIMIT OF DISTURBANCE
- 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 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.

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

**REVISIONS**

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

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

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

**GROUP ID DRAWING NO.**  
D E074

**74 OF 189**

**36" AP-2 PIPELINE  
CONSTRUCTION ALIGNMENT STA 3432+00 TO STA 3486+00**

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

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