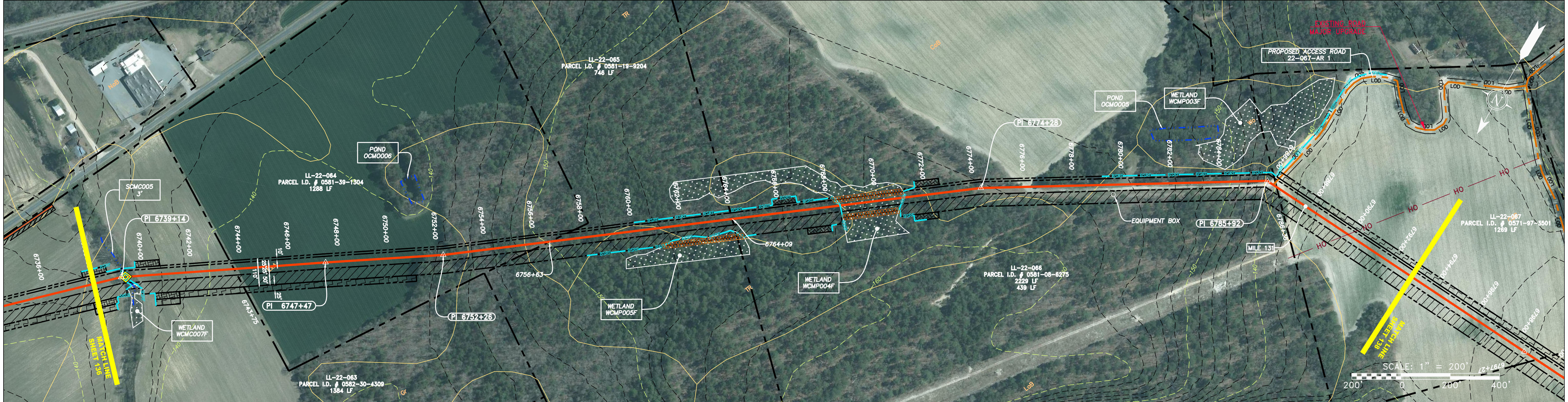


PROPERTY OWNERSHIP	PARCEL I.D. #	AREA (LF)
LL-22-063	0582-30-4309	1384 LF
LL-22-064	0581-19-1304	1288 LF
LL-22-065	0581-19-9204	746 LF
LL-22-066	0581-08-6275	2229 LF
LL-22-067	0571-97-3501	1269 LF



PIPE SPECIFICATION	STATIONING
CL. STREAM SCM0005	6738+00
WETLAND WCM0004F	6740+00
WETLAND WCM0005F	6742+00
WETLAND WCM0006F	6744+00
PROPOSED ACCESS ROAD 22-067-AR 1	6788+00
OVERHEAD ELEC	6790+00
OH	6792+00
OH	6794+00
OH	6796+00
OH	6798+00
OH	6799+00

LEGEND

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

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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REVISIONS			
NO.	DATE	DWN.	DESCRIPTION

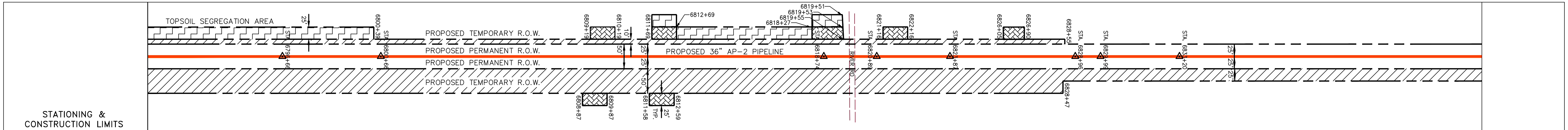
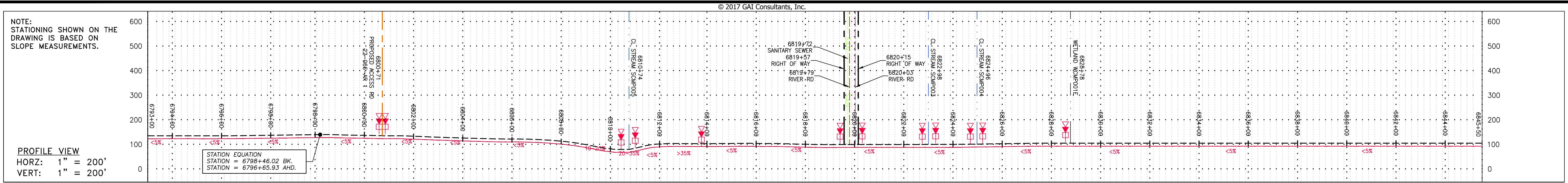
36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 6738+00 TO 6793+00
 CUMBERLAND COUNTY, NORTH CAROLINA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

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

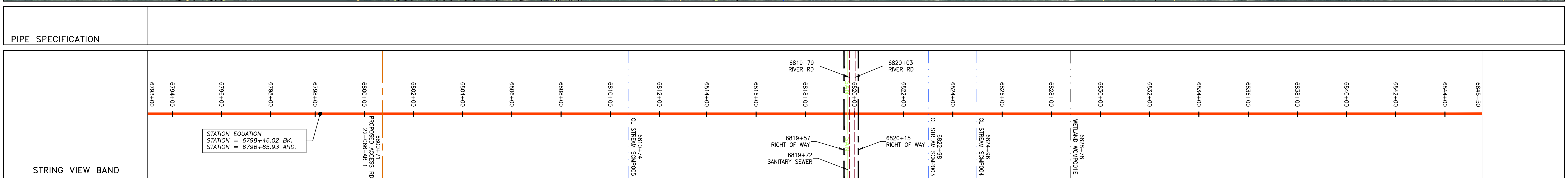
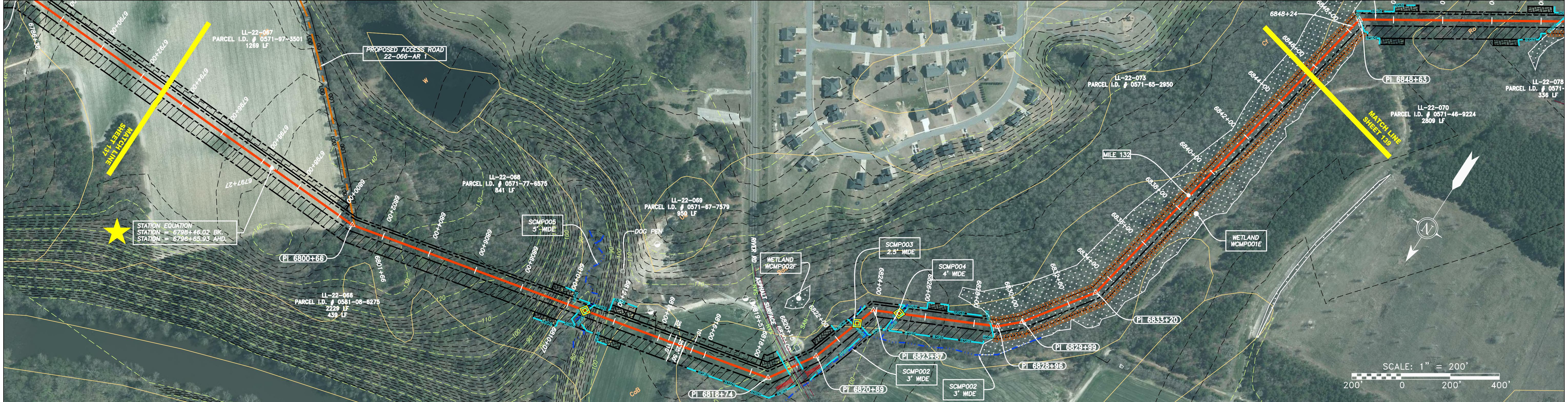
gai consultants - NC, inc.
 4198 COX ROAD
 SUITE 114
 GLEN ALLEN, VA 23060
 804-270-9357
 N.C. COL #0269

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E137
137 OF 189	

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 11\SHEETS - 137-141 (21-25) -REROUTE_RECOVER.DWG



PROPERTY OWNERSHIP table with columns for parcel ID, owner name, and acreage. Includes parcels LL-22-067 (1289 LF), LL-22-066 (439 LF), LL-22-068 (841 LF), LL-22-069 (950 LF), and LL-22-070 (2809 LF).



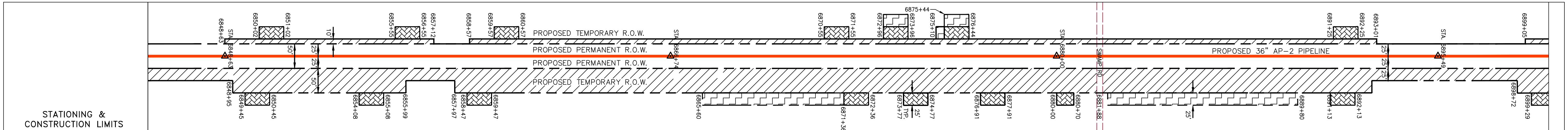
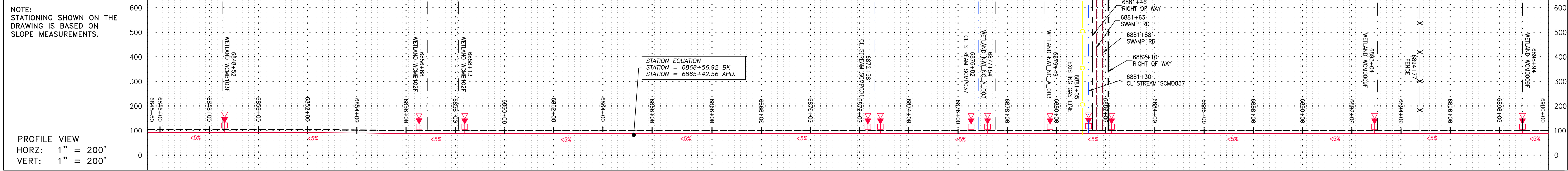
LEGEND, NOTES, and REVISIONS section. Includes symbols for property lines, fences, streams, gas pipelines, access roads, storm sewers, water lines, sanitary sewers, extra work space, topsoil segregation areas, area of no disturbance, wetland, utility poles, permanent waterbar/slope breaker, trench breaker/plug, stream crossings, USFWS stream crossings, construction entrances, culvert waterbars, LOD, BSRF, coir log, compost filter sock, orange safety fence, roadside ditch, and soil type (CuB). Notes cover coordinate system, data sources, and construction requirements.

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

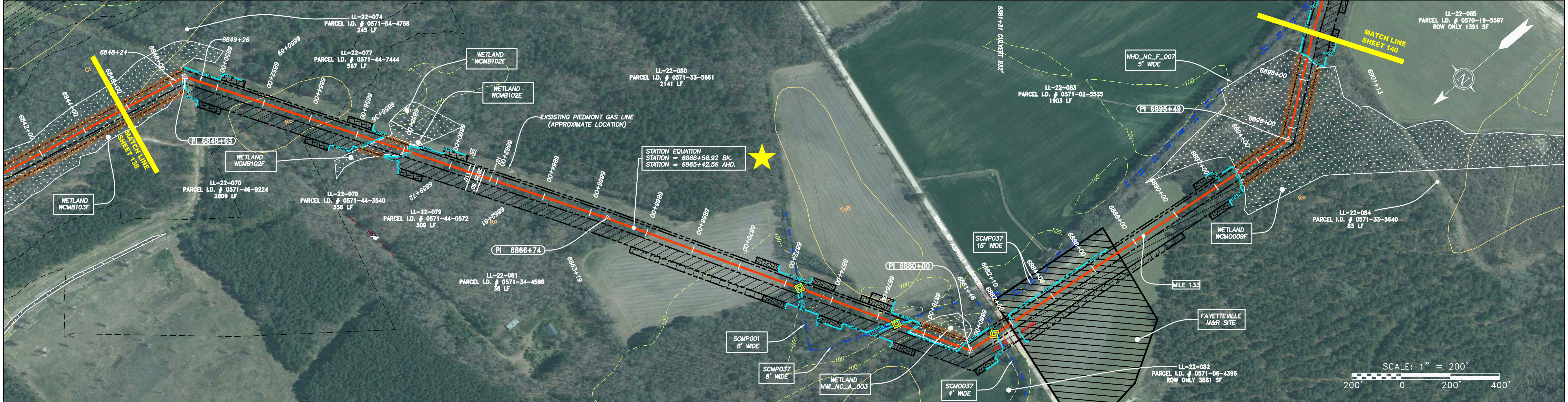
Professional Engineer seal for David A. Robinson, State of North Carolina, License No. 10000. Project title: 36" AP-2 PIPELINE CONSTRUCTION ALIGNMENT STA 6793+00 TO 6845+50. Client: ATLANTIC COAST PIPELINE, LLC. Address: 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330.

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

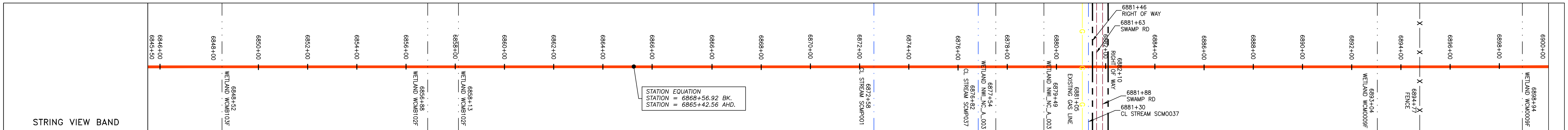
Project information: PROJECT NO./DASH NO. 140468. Task No. 005, Sub Task No. 00. Group ID D, Drawing No. E138. 138 OF 189.



PROPERTY OWNERSHIP	PARCEL I.D. #	AREA (SF)
LL-22-070	0571-46-9224	2809 LF
LL-22-074	0571-34-4768	245 LF
LL-22-077	0571-44-7444	567 LF
LL-22-078	0571-44-3540	335 LF
LL-22-079	0571-44-0572	309 LF
LL-22-081	0571-34-4596	38 LF
LL-22-080	0571-33-5661	2141 LF
LL-22-082	0571-06-4396	ROW ONLY 3881 SF
LL-22-083	0571-02-5535	1903 LF
LL-22-084	0571-33-5640	85 LF
LL-22-085	0570-19-5597	ROW ONLY 1391 SF



PIPE SPECIFICATION	PIPE TYPE	WIDTH
SCMP001	6" WIDE	
SCMP037	8" WIDE	
SCM0037	4" WIDE	



LEGEND

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

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		DESCRIPTION
NO.	DATE	
CHKD.	DWN.	
APPD.		

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 6848+50 TO 6900+00
 CUMBERLAND COUNTY, NORTH CAROLINA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

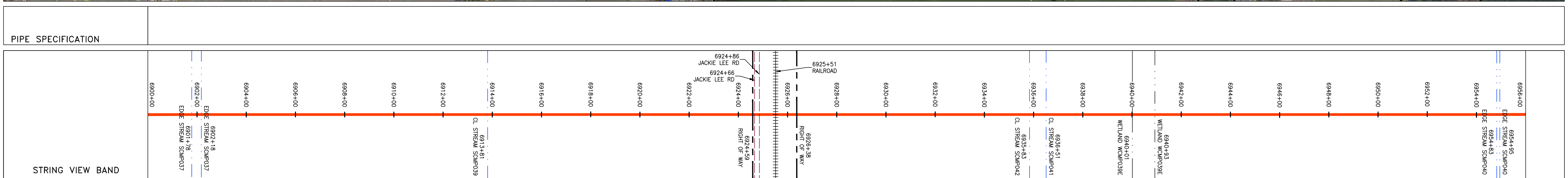
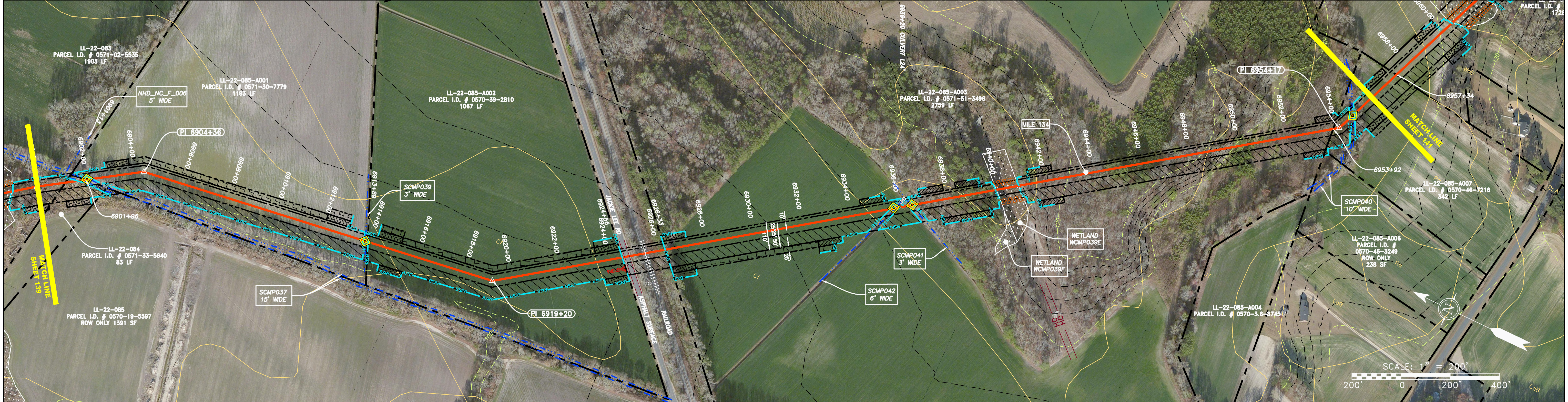
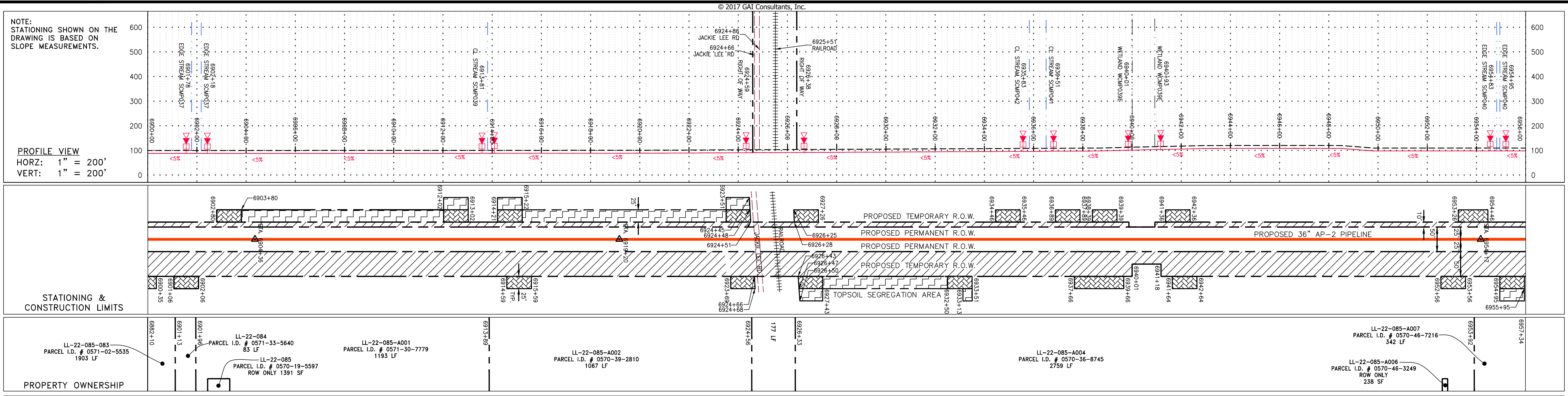
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 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET

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 E139
139 OF 189

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 11\SHEETS - 137-141 (21-25) - REROUTE_RECOVER.DWG

GAI CAD FILE NO. \ITG-FS\THRASHER_050-5159 - GAI, INC. - SERP - MAPPING SURVEY DRAWING SEC 11 SHEETS - 137-141 (21-25) - REROUTE_RECOVER.DWG



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)		EXTRA WORK SPACE AREA OF NO DISTURBANCE WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		TOPSOIL SEGREGATION AREA PROPOSED TEMPORARY R.O.W. UTILITY POLE		PERMANENT WATERBAR/SLOPE BREAKER TEMPORARY WATERBAR/SLOPE BREAKER TRENCH BREAKER/PLUG STREAM CROSSING USFWS STREAM CROSSING WITH ENHANCED CONTROLS 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 CuB 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	APPD.	CHKD.	DESCRIPTION

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 6900+00 TO 6956+00
 CUMBERLAND COUNTY, NORTH CAROLINA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

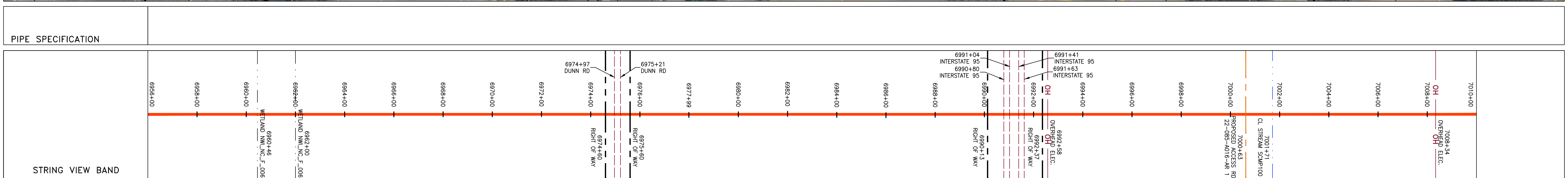
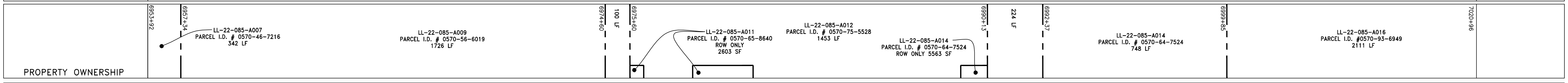
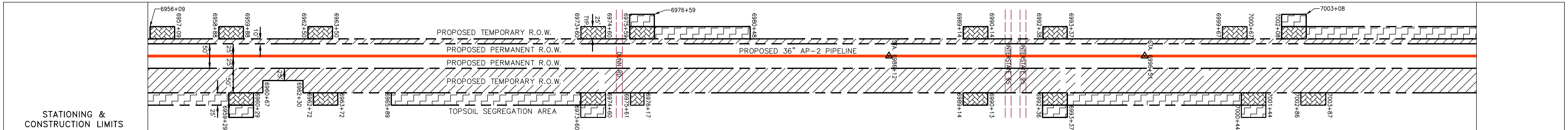
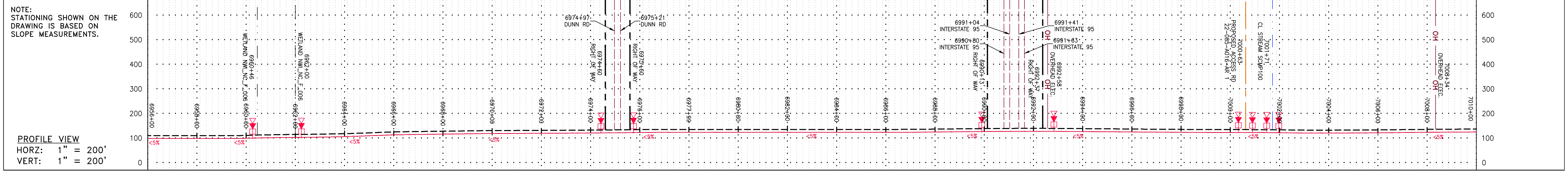
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 DATE: 06/09/17
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET

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. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E140
140 OF 189	

GAI CAD FILE NO. R:\050-5159 - SERP - THRASHER - GAI - GAI - THRASHER - SERP - MAPPING SURVEY DRAWING SEC 11 SHEETS - 137-141 (21-25) - REROUTE.DWG

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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 --- PROPOSED GAS PIPELINE (NO GROUND SURVEY)		--- UNDERGROUND ELECTRIC --- WATER LINE --- SANITARY SEWER --- EDGE OF GRAVEL --- PROPOSED PERMANENT EASEMENT		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).		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	
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- NOTES:**
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NO.	DATE	APPD.	DESCRIPTION



36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 6956+00 TO 7010+00
 CUMBERLAND COUNTY, NORTH CAROLINA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

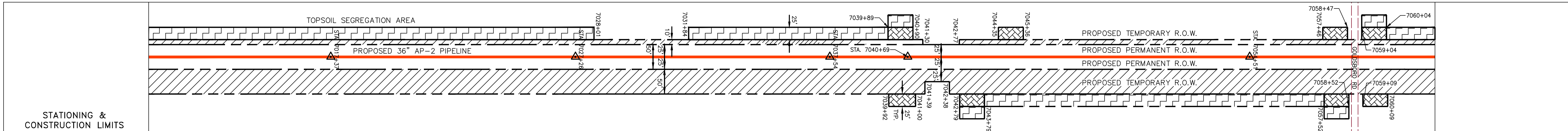
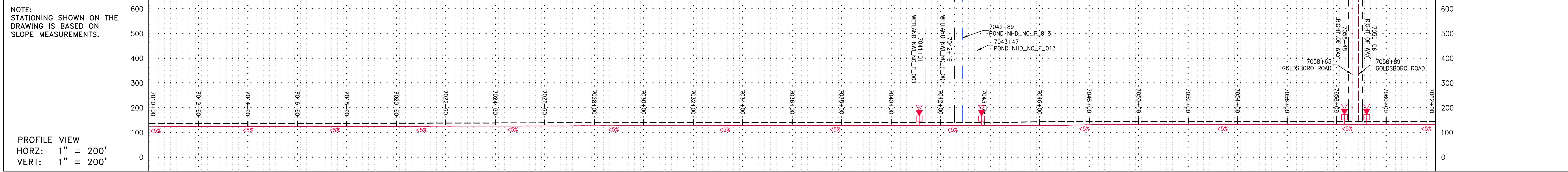
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 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET

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

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E141
141 OF 189	

GAI CAD FILE NO. \\\TTC-FS1\THRASHER\050-5159 - GAI, INC. - SERP - THRASHER - MAPPING\SURVEY\DRAWING\RESTORED SHEETS 1-13-17\SEC 11\FULL SET\SHEETS - 142-146 (26-30) -REROUTE.DWG

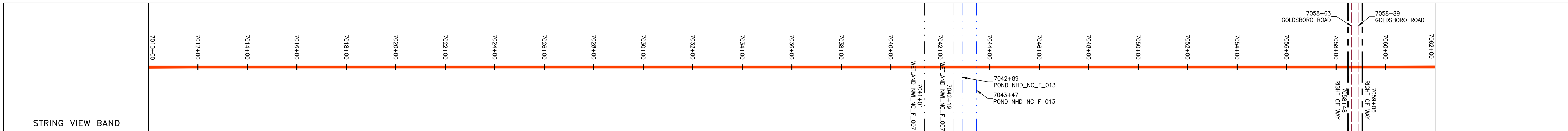
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Stationing	Parcel ID	Parcel Area (LF)
699+68.5	LL-22-085-A016 PARCEL I.D. # 0570-93-6949 2111 LF	
7020+98	LL-22-085-A017 PARCEL I.D. # 0570-92-7037 732 LF	
7028+28	LL-22-085-A018 PARCEL I.D. # 0570-13-5520 382 LF	
7032+10	LL-22-085-A019 PARCEL I.D. # 0570-22-1839 154 LF	
7033+44	LL-22-085-A020 PARCEL I.D. # 0580-01-8537 868 LF	
7042+12	LL-22-085-A021 PARCEL I.D. # 0580-00-9607 260 LF	
7044+72	LL-22-085-A023 PARCEL I.D. # 0580-10-2520 733 LF	
7052+05	LL-22-085-A024 PARCEL I.D. # 0580-10-4781 128 SF	
7059+05	LL-22-085-A027 PARCEL I.D. # 0580-10-3041 643 LF	
7062+00	LL-22-085-A029 PARCEL I.D. # 0489-17-5882 3620 LF	



Stationing	Feature
7010+00	PROPOSED GAS PIPELINE
7012+00	PROPOSED GAS PIPELINE
7014+00	PROPOSED GAS PIPELINE
7016+00	PROPOSED GAS PIPELINE
7018+00	PROPOSED GAS PIPELINE
7020+00	PROPOSED GAS PIPELINE
7022+00	PROPOSED GAS PIPELINE
7024+00	PROPOSED GAS PIPELINE
7026+00	PROPOSED GAS PIPELINE
7028+00	PROPOSED GAS PIPELINE
7030+00	PROPOSED GAS PIPELINE
7032+00	PROPOSED GAS PIPELINE
7034+00	PROPOSED GAS PIPELINE
7036+00	PROPOSED GAS PIPELINE
7038+00	PROPOSED GAS PIPELINE
7040+00	PROPOSED GAS PIPELINE
7042+00	PROPOSED GAS PIPELINE
7044+00	PROPOSED GAS PIPELINE
7046+00	PROPOSED GAS PIPELINE
7048+00	PROPOSED GAS PIPELINE
7050+00	PROPOSED GAS PIPELINE
7052+00	PROPOSED GAS PIPELINE
7054+00	PROPOSED GAS PIPELINE
7056+00	PROPOSED GAS PIPELINE
7058+00	PROPOSED GAS PIPELINE
7060+00	PROPOSED GAS PIPELINE
7062+00	PROPOSED GAS PIPELINE



<p>LEGEND</p> <p>— X — X — PROPERTY LINE</p> <p>— E — UNDERGROUND ELECTRIC</p> <p>— W — WATER LINE</p> <p>— G — EXISTING GAS PIPELINE</p> <p>— OH — OVERHEAD UTILITY LINES</p> <p>— — ACCESS ROAD</p> <p>— — PROPOSED GAS PIPELINE</p> <p>— — PROPOSED PERMANENT EASEMENT</p> <p>— — PROPOSED GAS PIPELINE (NO GROUND SURVEY)</p>	<p>— — EXTRA WORK SPACE</p> <p>— — AREA OF NO DISTURBANCE</p> <p>— — WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)</p> <p>— — TOPSOIL SEGREGATION AREA</p> <p>— — PROPOSED TEMPORARY R.O.W.</p> <p>— — UTILITY POLE</p>	<p>— — PERMANENT WATERBAR/SLOPE BREAKER</p> <p>— — TEMPORARY WATERBAR/SLOPE BREAKER</p> <p>— — TRENCH BREAKER/PLUG</p> <p>— — STREAM CROSSING</p> <p>— — USFWS STREAM CROSSING WITH ENHANCED CONTROLS</p> <p>— — CONSTRUCTION ENTRANCE WITH DITCH</p> <p>— — CULVERT/ WATERBAR</p> <p>— — LOD — LIMIT OF DISTURBANCE</p> <p>— — BSRF — BELTED SILT RETENTION FENCE (BSRF)</p> <p>— — COIR LOG</p> <p>— — COMPOST FILTER SOCK</p> <p>— — ORANGE SAFETY FENCE</p> <p>— — ROADSIDE DITCH</p> <p>— — SOIL TYPE</p>	<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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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

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

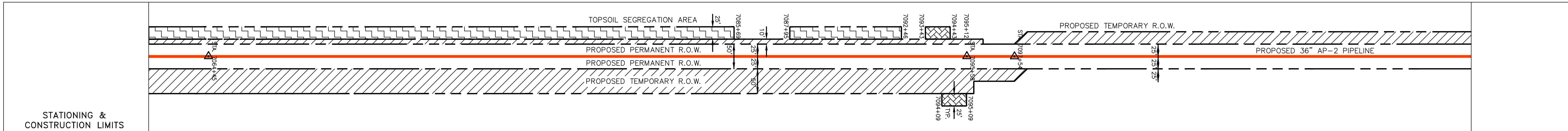
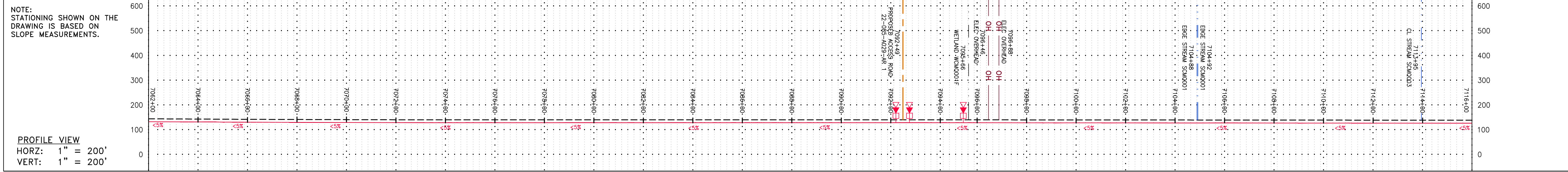
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DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

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

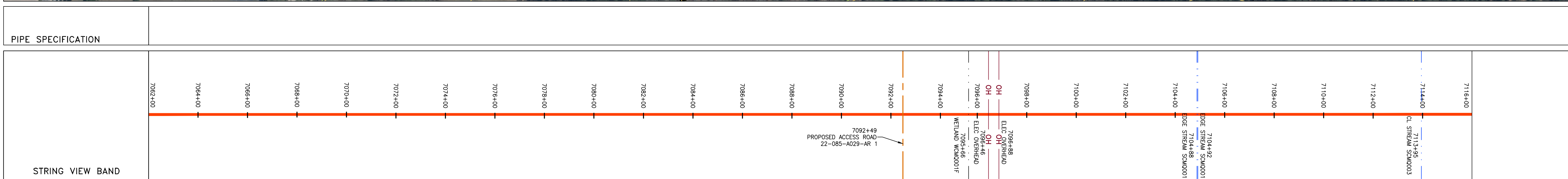
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TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E142
142 OF 189	

GAI CAD FILE NO. \ITG-FS\THRASHER_050-5159 - GAI, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY_DRAWING\RESTORED_SHEETS_1-13-17\SEC 11\FULL SET\SHEETS - 142-146 (26-30) -REROUTE.DWG

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STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
7059+06	LL-22-085-A029 PARCEL I.D. # 0489-17-5882 3620 LF
7120+75	LL-22-085-A032 PARCEL I.D. # 0489-14-6517 2549 LF



<p>LEGEND</p> <ul style="list-style-type: none"> — X — X — PROPERTY LINE — X — X — FENCE — S — S — STREAM — G — G — EXISTING GAS PIPELINE — OH — OVERHEAD UTILITY LINES — — — ACCESS ROAD — — — PROPOSED GAS PIPELINE — E — UNDERGROUND ELECTRIC — W — WATER LINE — SAN — SANITARY SEWER — — — EDGE OF GRAVEL — — — PROPOSED PERMANENT EASEMENT — — — PROPOSED GAS PIPELINE (NO GROUND SURVEY) 	<ul style="list-style-type: none"> [Hatched Box] EXTRA WORK SPACE [Dotted Box] AREA OF NO DISTURBANCE [Green Box] WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) [Hatched Box] TOPSOIL SEGREGATION AREA [Hatched Box] PROPOSED TEMPORARY R.O.W. [Circle with X] UTILITY POLE 	<ul style="list-style-type: none"> [Triangle with X] PERMANENT WATERBAR/SLOPE BREAKER [Triangle with X] TEMPORARY WATERBAR/SLOPE BREAKER [Triangle with X] TRENCH BREAKER/PLUG [Diamond with X] STREAM CROSSING [Diamond with X] USFWS STREAM CROSSING WITH ENHANCED CONTROLS [Triangle with X] CONSTRUCTION ENTRANCE WITH DITCH [Triangle with X] CULVERT/ WATERBAR [Line] LOD — LIMIT OF DISTURBANCE [Line] BSRF — BELTED SILT RETENTION FENCE (BSRF) [Line] COIR LOG [Line] COMPOST FILTER SOCK [Line] ORANGE SAFETY FENCE [Line] ROADSIDE DITCH [Circle with X] SOIL TYPE (CuB) 	<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 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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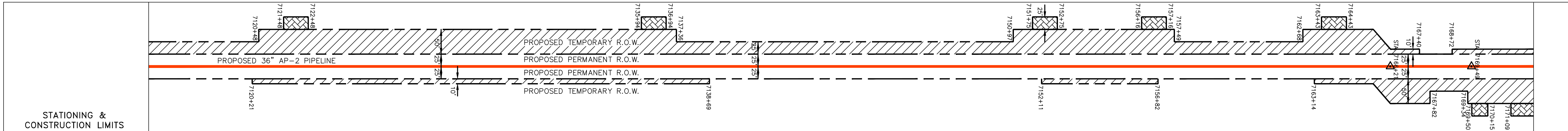
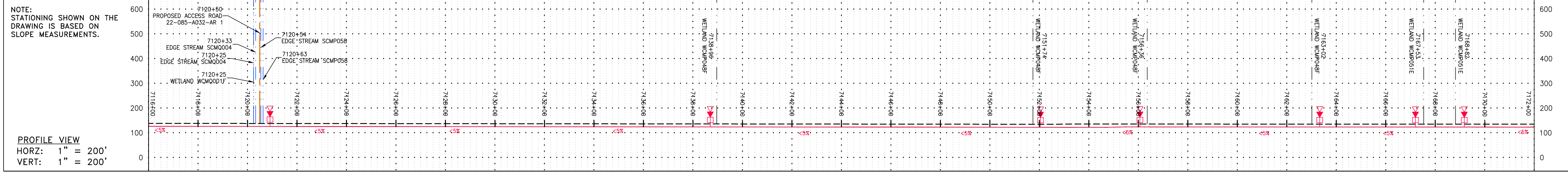
REVISIONS		DESCRIPTION
NO.	DATE	

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

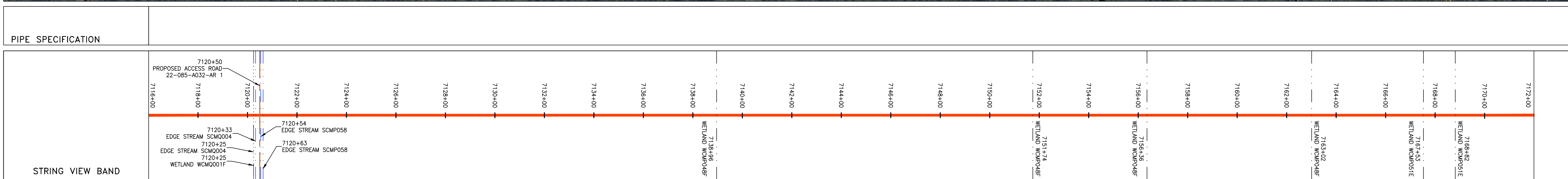
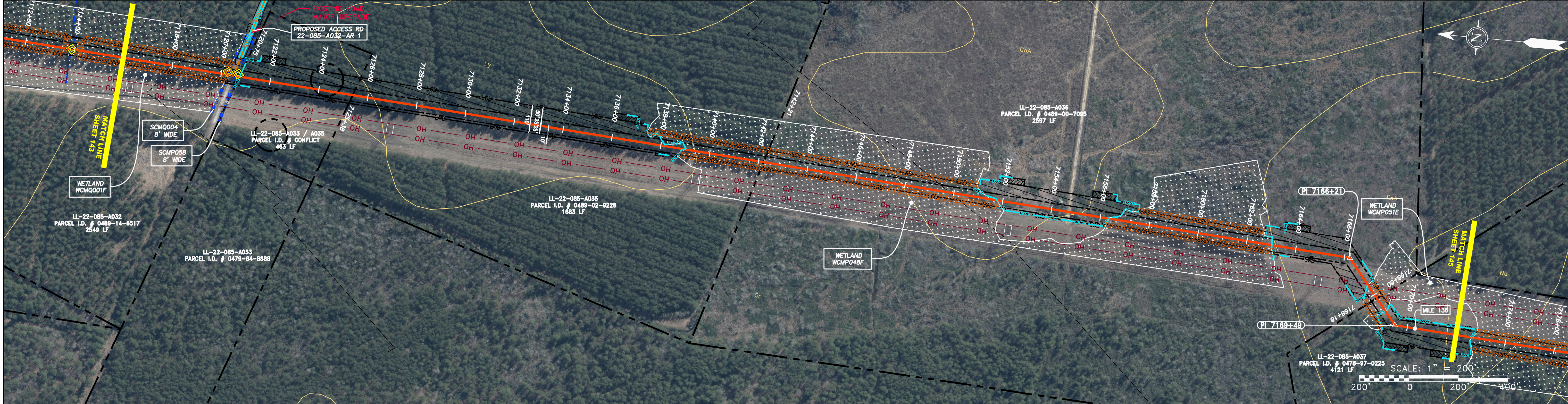
SCALE:	AS SHOWN
DATE:	06/09/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

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	E143
143	OF	189



PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
LL-22-085-A032 PARCEL I.D. # 0489-14-6517 2549 LF	7120+21 to 7120+48
LL-22-085-A033 / A035 PARCEL I.D. # CONFLICT 463 LF	7120+48 to 7138+69
LL-22-085-A035 PARCEL I.D. # 0489-02-9228 1683 LF	7138+69 to 7142+11
LL-22-085-A036 PARCEL I.D. # 0489-00-7095 2597 LF	7142+11 to 7167+82
LL-22-085-A037 PARCEL I.D. # 0478-97-0225 4121 LF	7167+82 to 7172+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

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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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.	APPVD.	DESCRIPTION



36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 7116+00 TO STA 7172+00
 CUMBERLAND 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

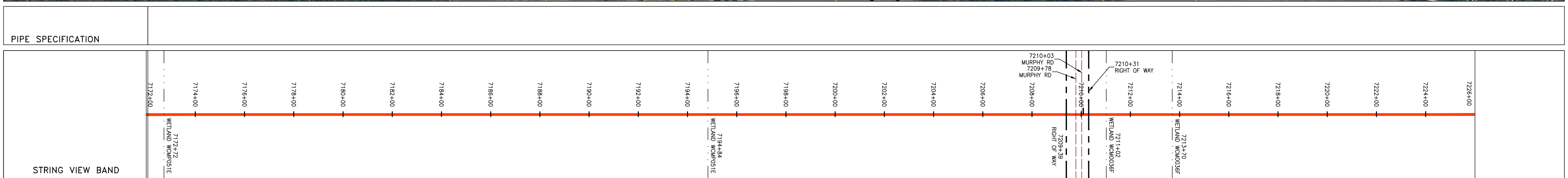
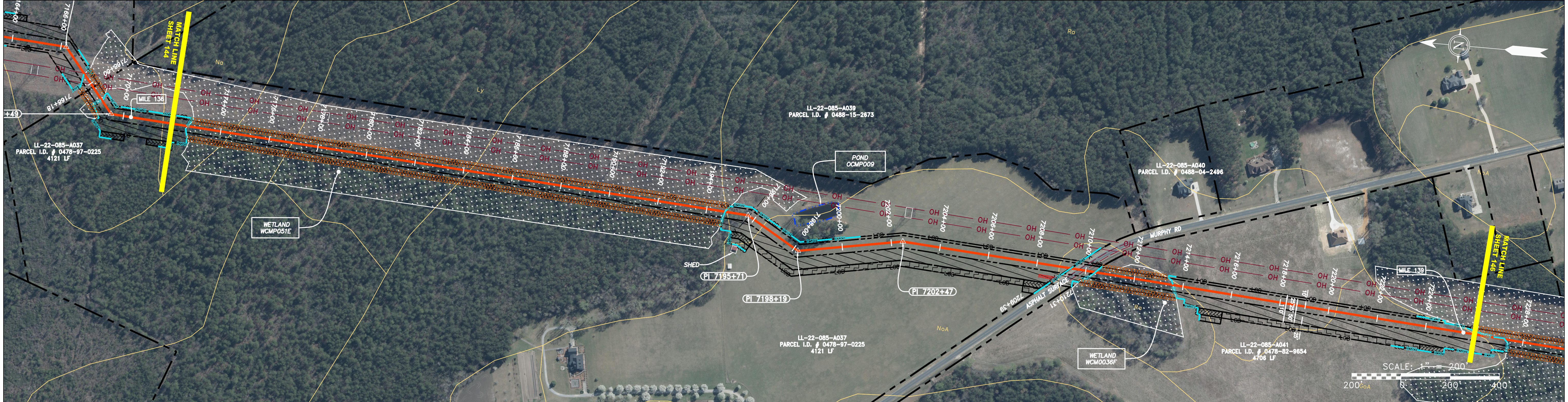
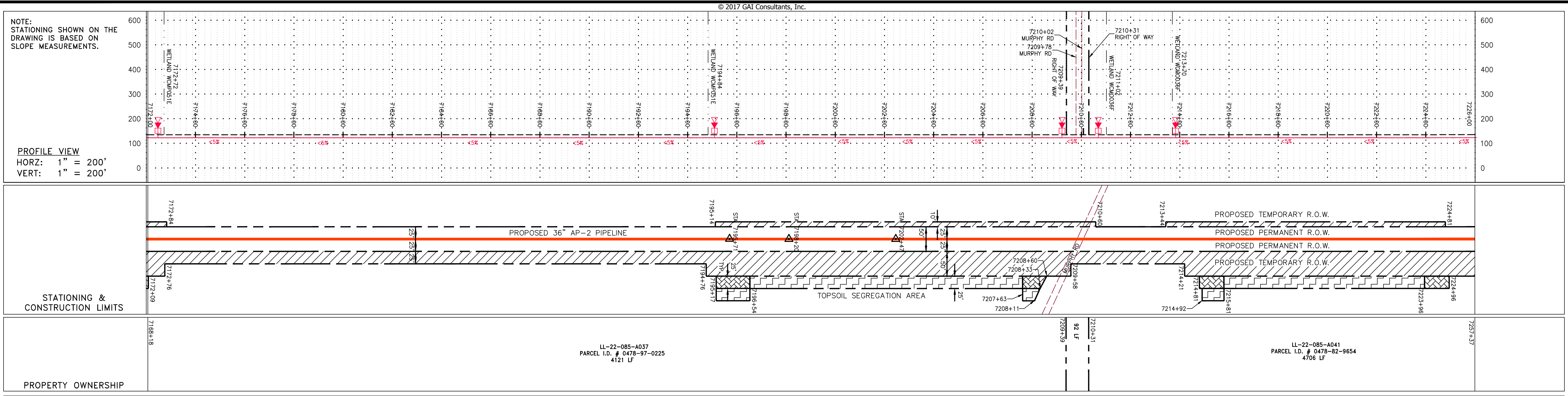
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140468

TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E144

144 OF 189

GAI CAD FILE NO. R:\050-5159 - GAI, INC. - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 11\SHEETS - 142-146 (26-30) - REROUTE.DWG



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)		[Symbol] EXTRA WORK SPACE [Symbol] AREA OF NO DISTURBANCE [Symbol] WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)		[Symbol] TOPSOIL SEGREGATION AREA [Symbol] PROPOSED TEMPORARY R.O.W. [Symbol] UTILITY POLE [Symbol] PERMANENT WATERBAR/SLOPE BREAKER [Symbol] TEMPORARY WATERBAR/SLOPE BREAKER [Symbol] TRENCH BREAKER/PLUG [Symbol] STREAM CROSSING [Symbol] USFWS STREAM CROSSING WITH ENHANCED CONTROLS [Symbol] CONSTRUCTION ENTRANCE WITH DITCH [Symbol] CULVERT/ WATERBAR		[Symbol] LOD LIMIT OF DISTURBANCE [Symbol] BSRF BELTED SILT RETENTION FENCE (BSRF) [Symbol] COIR LOG [Symbol] COMPOST FILTER SOCK [Symbol] ORANGE SAFETY FENCE [Symbol] ROADSIDE DITCH [Symbol] SOIL TYPE (CuB)	
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NOTES:

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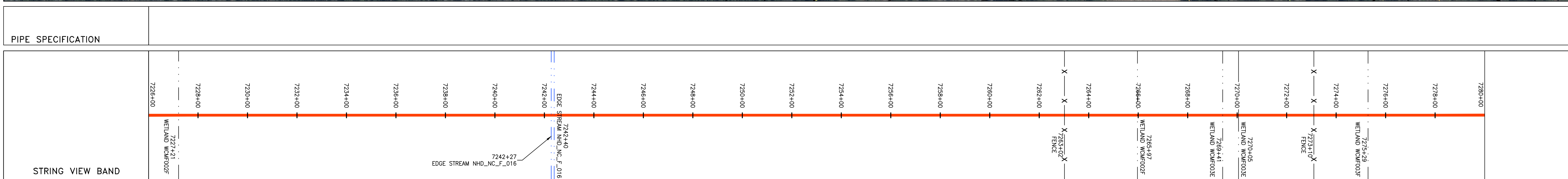
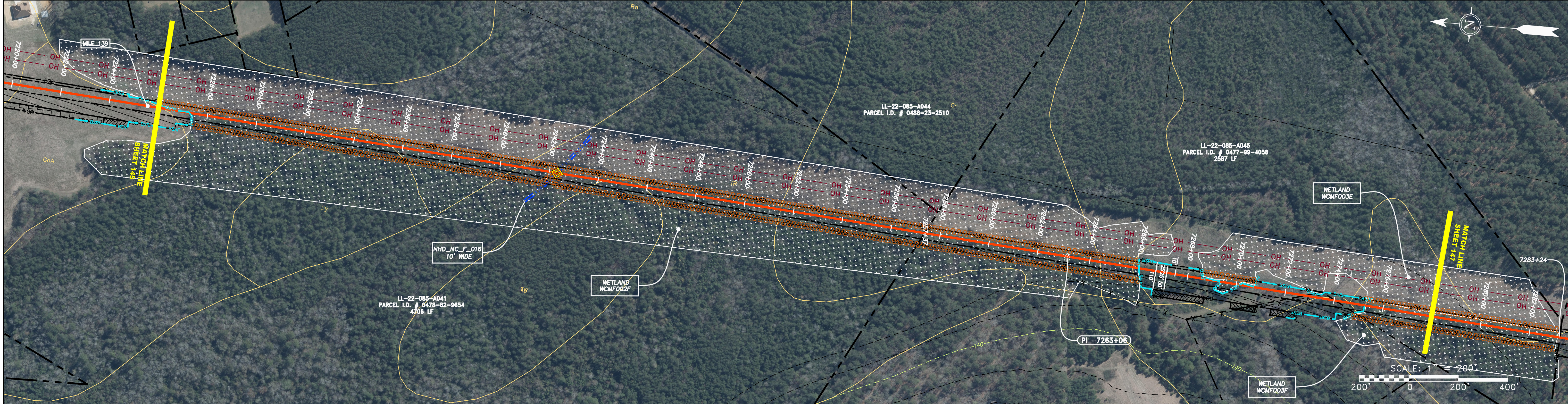
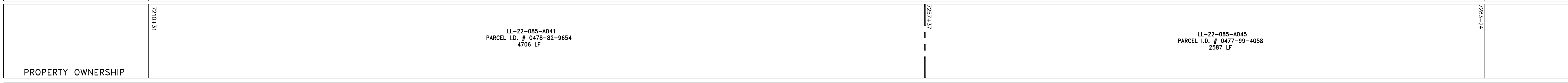
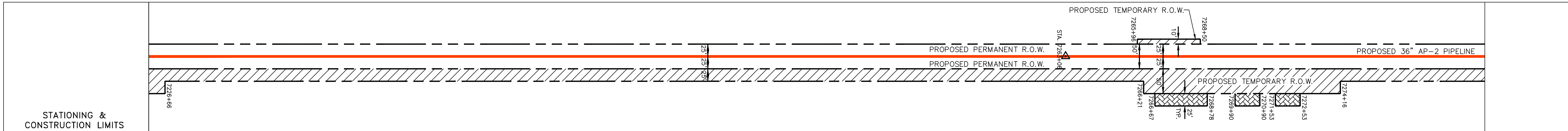
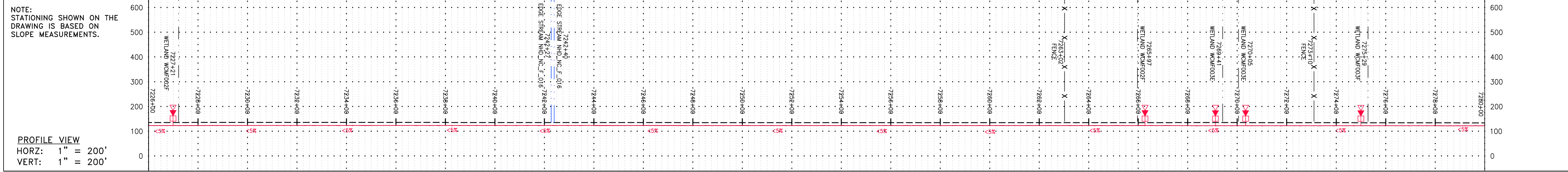
REVISIONS		DESCRIPTION
NO.	DATE	DWN.
CHKD.	APPRD.	

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

PROJECT NO./DASH NO. **140468**
 TASK NO. SUB TASK NO. **005 00**
 GROUP ID DRAWING NO. **D E145**
 145 OF 189

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY_DRAWING\SEC 11\SHEETS - 142-146 (26-30) - REROUTE_RECOVER.DWG



LEGEND 		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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REVISIONS		DESCRIPTION
NO.	DATE	DWN.



36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 7226+00 TO STA 7280+00
 CUMBERLAND COUNTY, NORTH CAROLINA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE:	AS SHOWN
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gai consultants - NC, inc.
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 SUITE 114
 GLEN ALLEN, VA 23060
 804-270-9357
 N.C. COL #10-0269

PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E146
146	OF	189