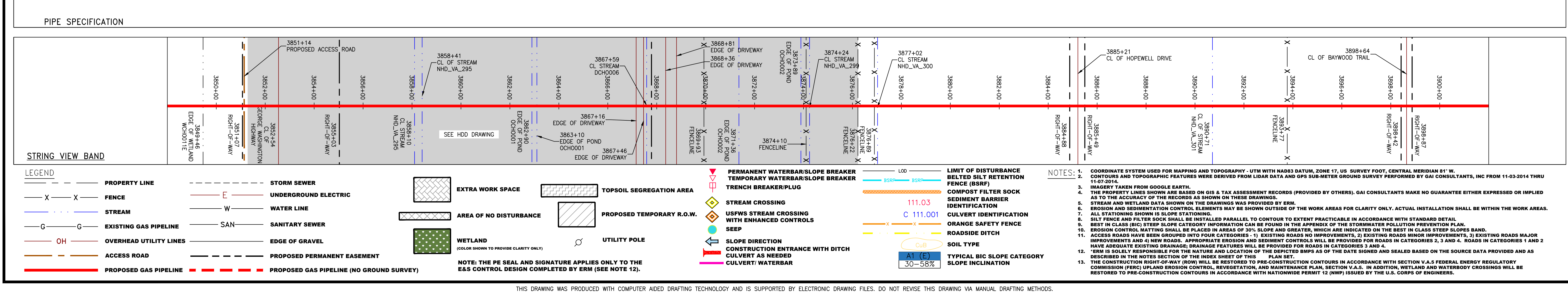
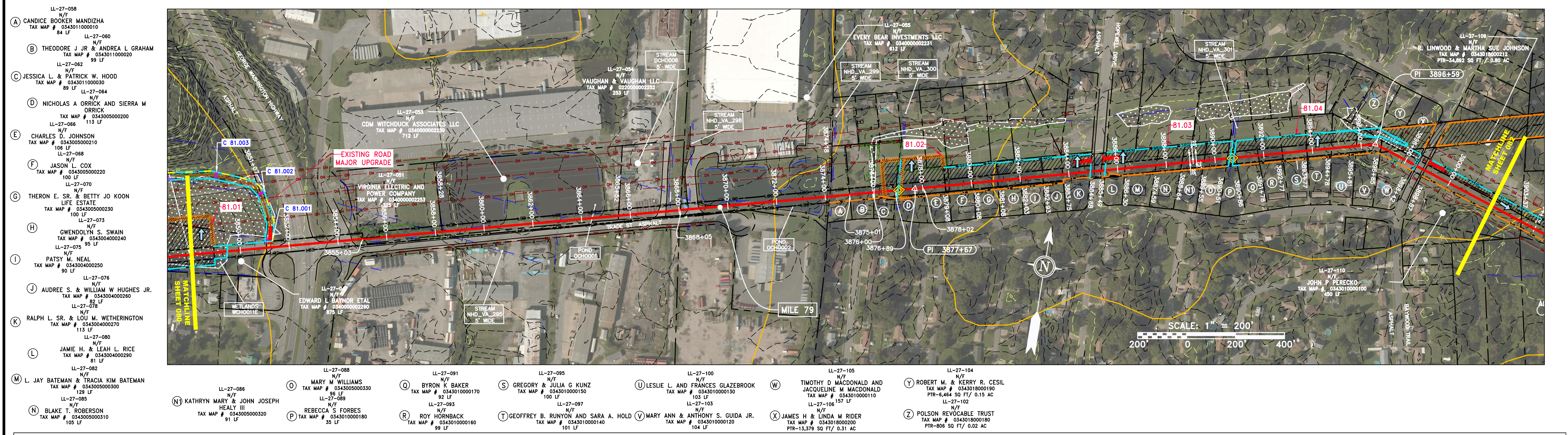


STATIONING & CONSTRUCTION LIMITS

STA. 3848+92	STA. 3855+71	STA. 3872+93	STA. 3878+93	STA. 3884+92	STA. 3890+00
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PROPERTY OWNERSHIP

LL-27-047 EDWARD L. BAYNOR ETAL TAX MAP # 0343000002280 875 LF	LL-27-051 VIRGINIA ELECTRIC AND POWER COMPANY TAX MAP # 0340000002255 325 LF	LL-27-053 CDM WITCHDUCK ASSOCIATES LLC TAX MAP # 0340000002250 712 LF	LL-27-054 VAUGHAN & VAUGHAN LLC TAX MAP # 0220000002252 253 LF	LL-27-055 EVERY BEAR INVESTMENTS LLC TAX MAP # 0340000002231 612 LF	LL-27-109 R. LINWOOD & MARTHA SUE JOHNSON TAX MAP # 0343018000012 PTR-34,892 SQ FT / 0.80 AC
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REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION
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PROFESSIONAL ENGINEER
 DANIEL R. GOLDSTEIN
 Lic. No. 047436

ERM

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

CONSTRUCTION ALIGNMENT STA 3848+00 TO 3902+00
 CITY OF CHESAPEAKE, VIRGINIA

SCALE: AS SHOWN
 DATE: 4/21/17
 DRAWN: NSD
 CHECKED: DLH
 APPROVED: NET

gai consultants

SOUTHPOINT OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-673-3545

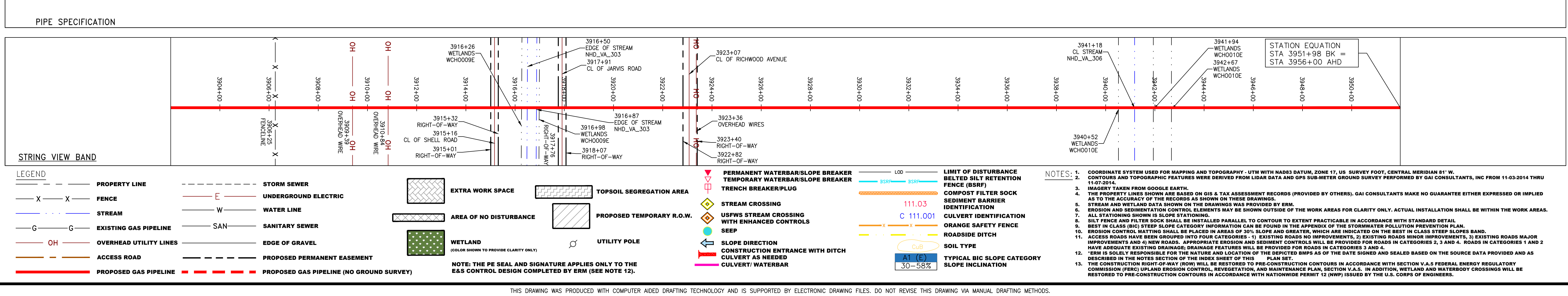
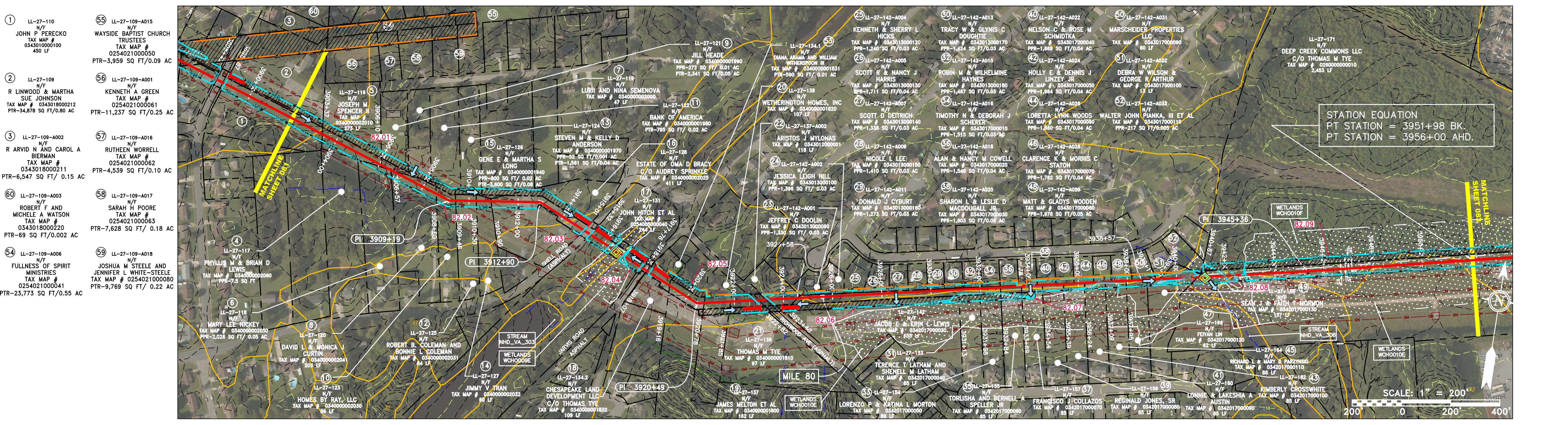
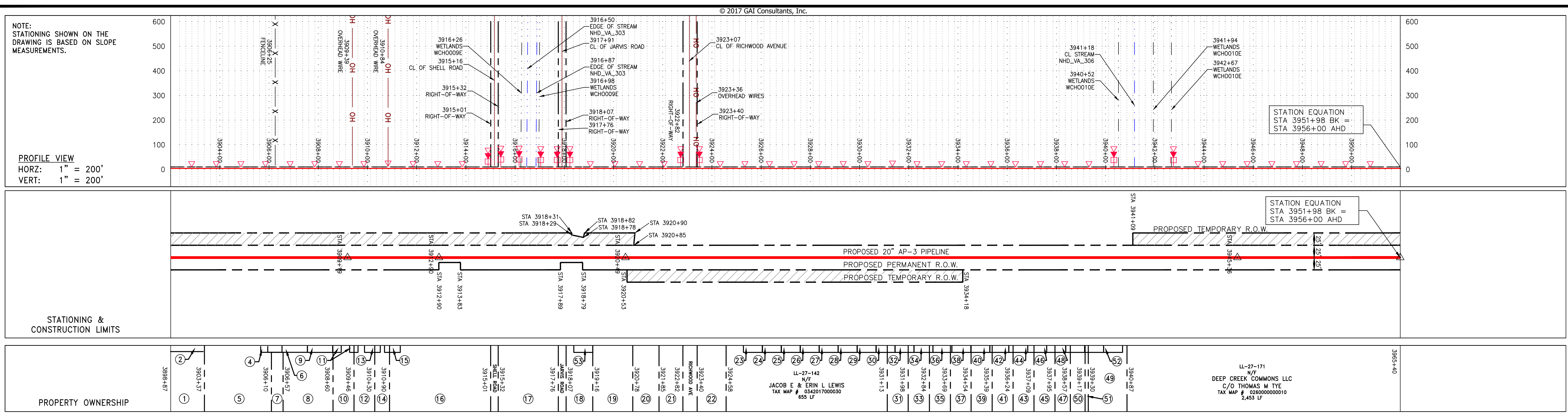
mbe monaloh basin engineers

300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO. 140468
 TASK NO. SUB TASK NO. 005 00
 GROUP ID DRAWING NO. D E081
 081 OF 84

4/21/2017 11:15 AM

GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS ALIGNMENT SHEETS (2665-7 PLAN SHEETS (82-84).DWG



NO.	DATE	CHKD.	APPROV.	DESCRIPTION

20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 3902+00 TO 3956+00
CITY OF CHESAPEAKE, VIRGINIA

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

SCALE:	AS SHOWN
DATE:	4/17/17
DRAWN:	JMS
CHECKED:	DLH
APPROVED:	NET

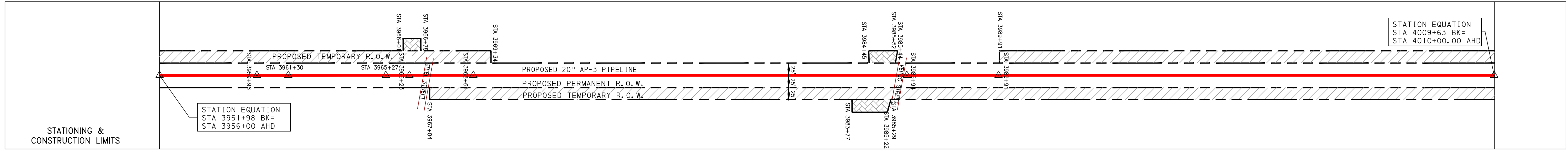
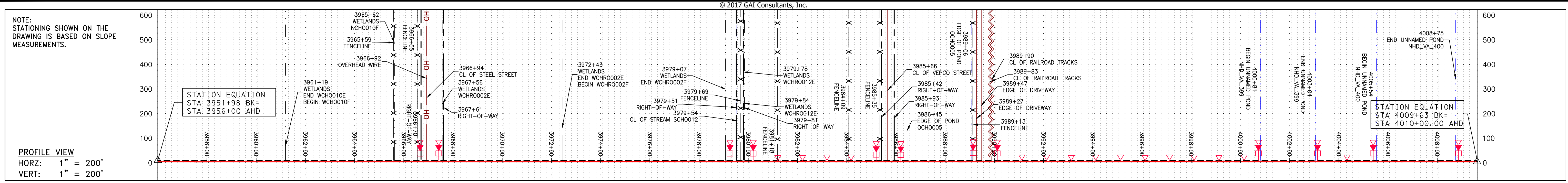
gai consultants
SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-373-3545

mbe
monaloh basin
engineers
300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

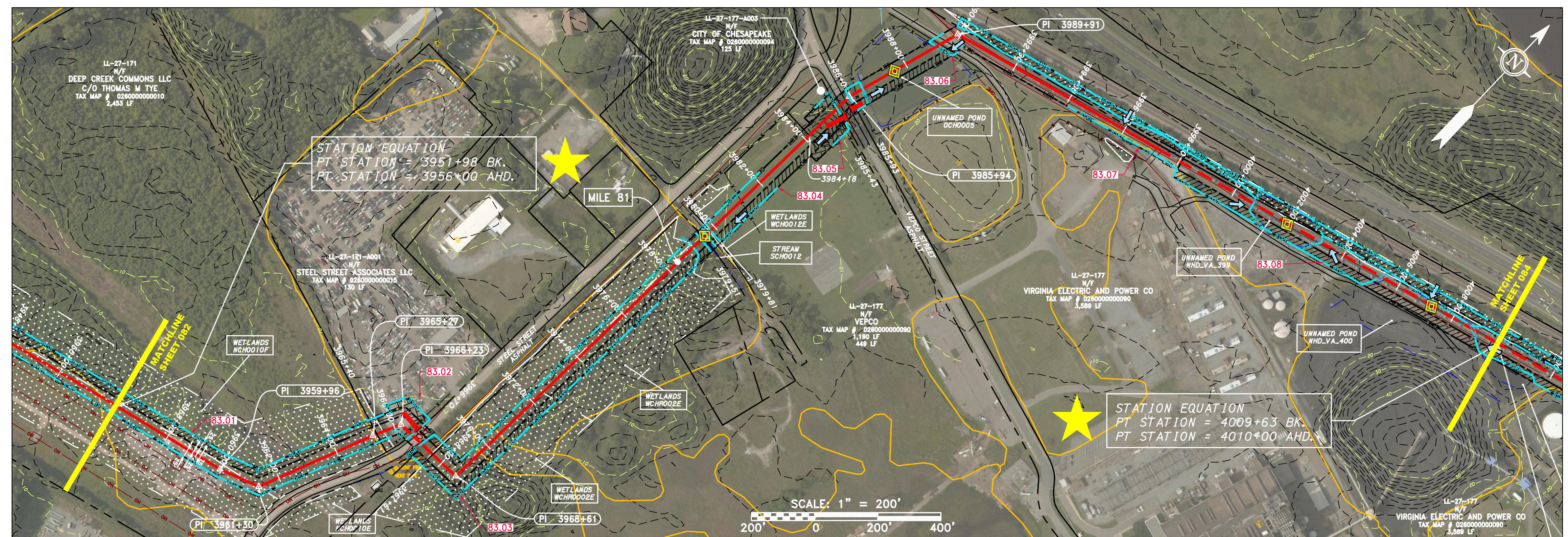
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TASK NO.	SUB TASK NO.	005 / 00
GROUP ID	DRAWING NO.	D / E082
082	OF	84

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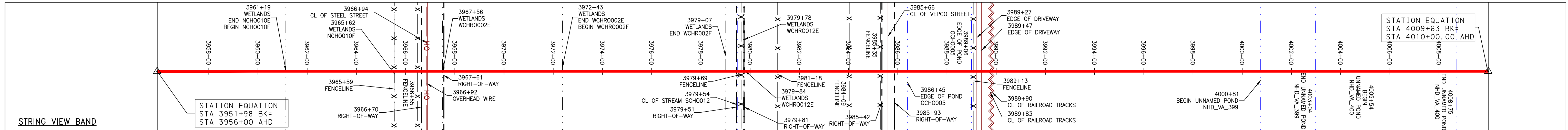
GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS ALIGNMENT SHEETS 2665-7 PLAN SHEETS (82-84).DWG



PROPERTY OWNERSHIP	ADDRESS	TAX MAP #	ACRES
DEEP CREEK COMMONS LLC C/O THOMAS M TYE	LL-27-171 N/F	0260000000010	2.433 LF
STEEL STREET ASSOCIATES LLC	LL-27-171-A001 N/F	0260000000015	130 LF
VIRGINIA ELECTRIC AND POWER COMPANY	LL-27-177 N/F	0260000000090	1,190 LF
VIRGINIA ELECTRIC AND POWER COMPANY	LL-27-177 N/F	0260000000090	437 LF
CITY OF CHESAPEAKE	LL-27-177-A003 N/F	0260000000094	125 LF
VIRGINIA ELECTRIC AND POWER COMPANY	LL-27-177 N/F	0260000000090	3,589 LF



PIPE SPECIFICATION



<p>LEGEND</p> <ul style="list-style-type: none"> --- PROPERTY LINE -X-X- FENCE -G-G- EXISTING GAS PIPELINE -OH- OVERHEAD UTILITY LINES - - - ACCESS ROAD - - - PROPOSED GAS PIPELINE - - - STORM SEWER - - - 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 (COLOR SHOWN TO PROVIDE CLARITY ONLY) TOPSOIL SEGREGATION AREA PROPOSED TEMPORARY R.O.W. UTILITY POLE 	<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 SEEP SLOPE DIRECTION CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED CULVERT/WATERBAR 111.03 C 111.001 ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE A1 LE 30-58% LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF) COMPOST FILTER SOCK SEDIMENT BARRIER IDENTIFICATION CULVERT IDENTIFICATION ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION 	<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. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND. 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. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.5.5. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH NATIONAL PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.
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REVISIONS

NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION

CONSTRUCTION ALIGNMENT STA 3956+00 TO 4010+00
 CITY OF CHESAPEAKE, VIRGINIA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

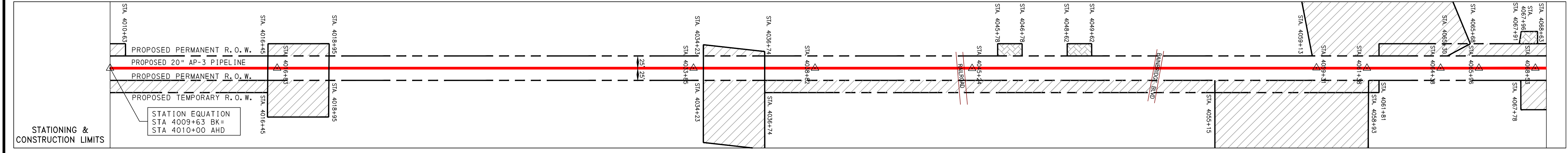
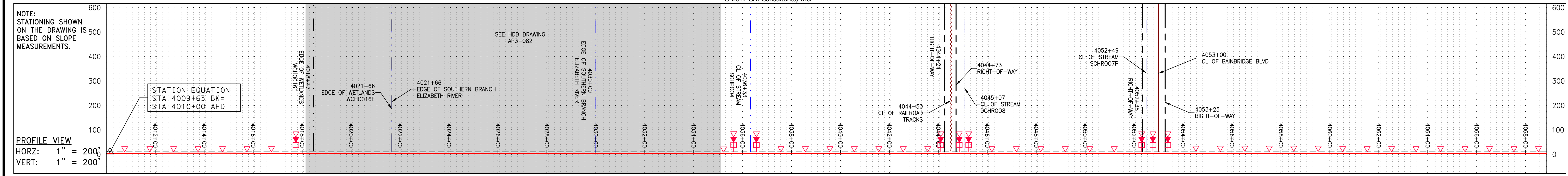
SCALE: AS SHOWN
 DATE: 3/29/17
 DRAWN: JMS
 CHECKED: DLH
 APPROVED: NET

gai consultants
 SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 PITTSBURGH, PA 15317
 724-273-3545

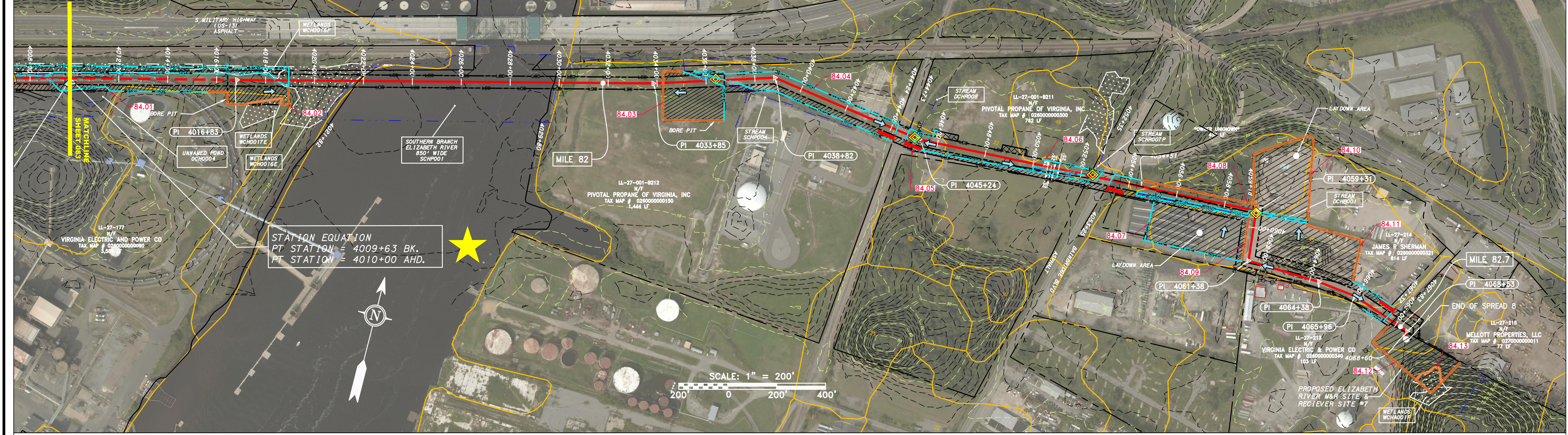
mbe
 monaloh basin
 engineers
 300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO.
 140468
 TASK NO. SUB TASK NO.
 005 00
 GROUP ID DRAWING NO.
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 083 OF 84

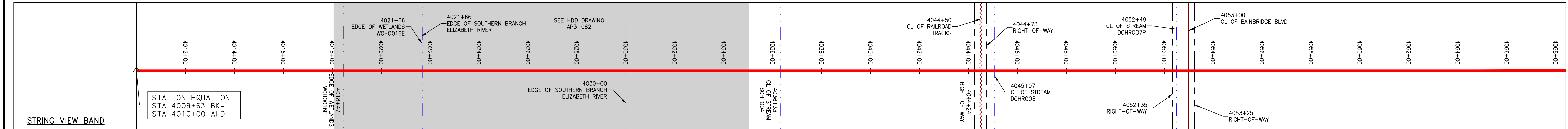
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PROPERTY OWNERSHIP	ADDRESS	TAX MAP #	TAX MAP AREA (LF)
LL-27-177	VIRGINIA ELECTRIC AND POWER COMPANY	026000000090	3,589 LF
LL-27-001-8212	PIVOTAL PROPANE OF VIRGINIA, INC	0260000000150	1,444 LF
LL-27-001-8211	PIVOTAL PROPANE OF VIRGINIA, INC	0260000000300	762 LF
LL-27-214	JAMES R SHERMAN	0260000000321	126 LF
LL-27-215	MELLOTT PROPERTIES, LLC	0220000000011	77 LF
LL-27-213	VIRGINIA ELECTRIC AND POWER COMPANY	0260000000340	103 LF
LL-27-214	JAMES R SHERMAN	0260000000321	814 LF



PIPE SPECIFICATION



<p>LEGEND</p> <ul style="list-style-type: none"> --- PROPERTY LINE -X-X- FENCE -G-G- EXISTING GAS PIPELINE -OH- OVERHEAD UTILITY LINES - - - ACCESS ROAD - - - PROPOSED PERMANENT R.O.W. - - - PROPOSED TEMPORARY R.O.W. - - - STORM SEWER - - - 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 (COLOR SHOWN TO PROVIDE CLARITY ONLY) --- TOPSOIL SEGREGATION AREA --- PROPOSED TEMPORARY R.O.W. --- UTILITY POLE 	<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 ▲ SEEP ▲ SLOPE DIRECTION ▲ CONSTRUCTION ENTRANCE WITH DITCH ▲ CULVERT AS NEEDED ▲ CULVERT/WATERBAR 	<ul style="list-style-type: none"> --- LIMIT OF DISTURBANCE --- BELTED SILT RETENTION FENCE (BSRF) --- COMPOST FILTER SOCK IDENTIFICATION --- SEDIMENT BARRIER IDENTIFICATION --- ORANGE SAFETY FENCE --- ROADSIDE DITCH --- SOIL TYPE --- TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION 	<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. 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. IMAGERY TAKEN FROM GOOGLE EARTH. 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. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. EROSION CONTROL MATINGS SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND. 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. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.5.1. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.
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NO.	DATE	CHKD.	APPROV.	DESCRIPTION

20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 4010+00 TO 4068+64.03

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

SCALE: AS SHOWN
DATE: 3/31/17
DRAWN: JMS
CHECKED: DLH
APPROVED: NET

gai consultants

SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-873-3545

mbe
monaloh basin
engineers

300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

PROJECT NO./DASH NO.	140468	
TASK NO.	SUB TASK NO.	005 / 00
GROUP ID	DRAWING NO.	D / E084
084	OF 84	