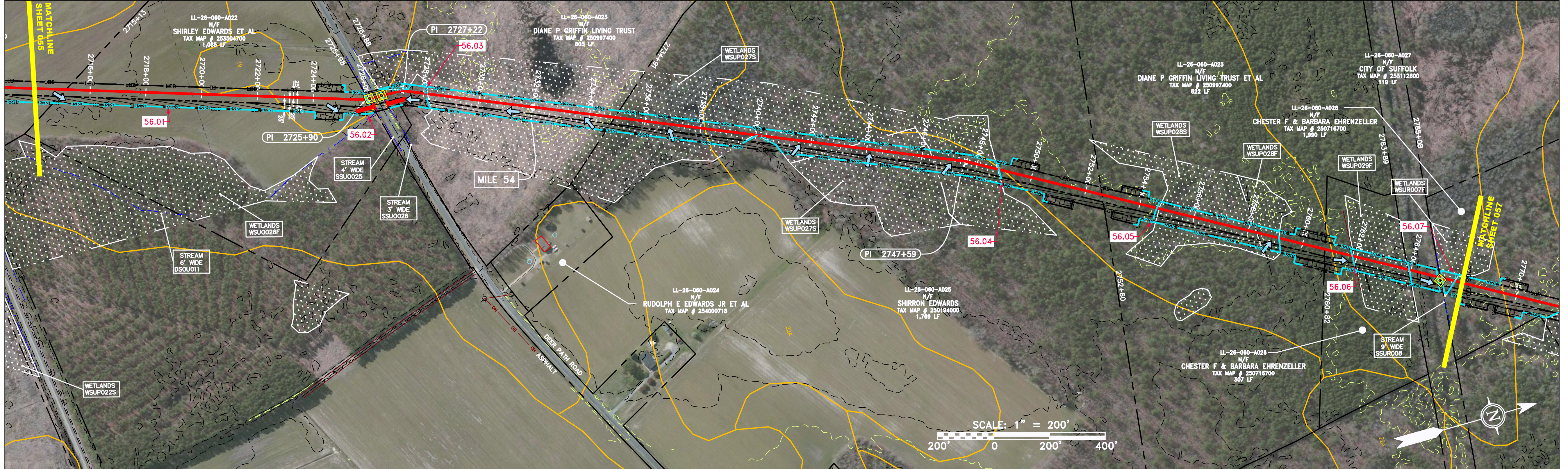
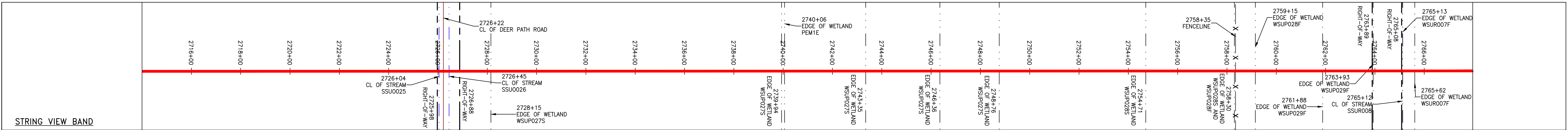


PROPERTY OWNERSHIP	STATIONING	OWNER	TAX MAP #	ACRES
2715+13	2715+13	WENDY BULLOCK	253504800	447 LF
2715+11	2715+11	SHIRLEY EDWARDS ET AL	233504700	1,085 LF
2725+98	2725+98	DIANE P GRIFFIN LIVING TRUST	250997400	803 LF
2734+91	2734+91	SHIRRON EDWARDS	250194000	1,769 LF
2752+60	2752+60	DIANE P GRIFFIN LIVING TRUST	250997400	822 LF
2760+82	2760+82	CHESTER F & BARBARA EHRENZELLER	250716700	307 LF
2765+08	2765+08	CHESTER F & BARBARA EHRENZELLER	250716700	1,990 LF
2764+88	2764+88	CITY OF SUFFOLK	25312600	119 LF



PIPE SPECIFICATION



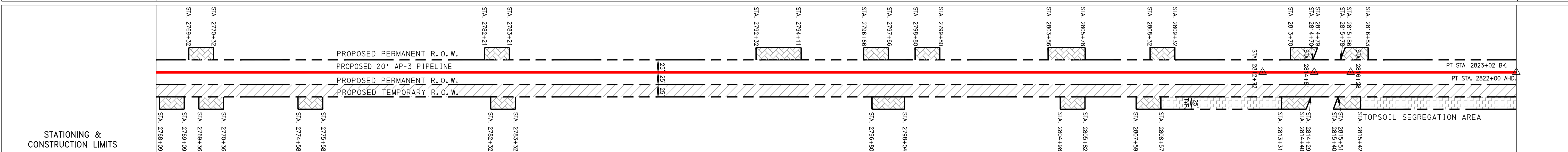
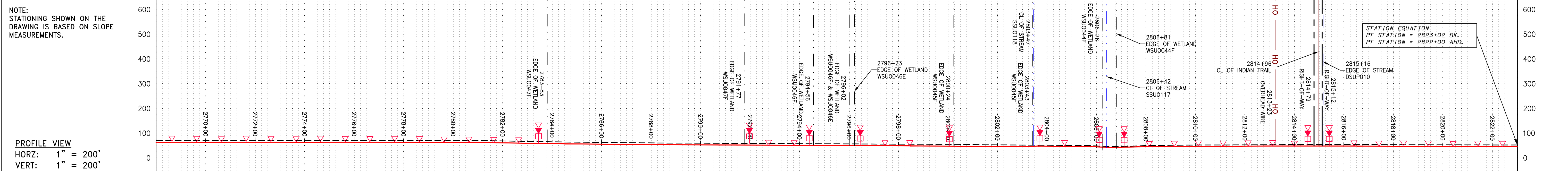
<p>LEGEND</p> <ul style="list-style-type: none"> --- PROPERTY LINE -X-X- FENCE -G-G- EXISTING GAS PIPELINE -OH- OVERHEAD UTILITY LINES - - - ACCESS ROAD - - - PROPOSED GAS PIPELINE - - - STORM SEWER - - - UNDERGROUND ELECTRIC - - - WATER LINE - - - SANITARY SEWER - - - EDGE OF GRAVEL - - - PROPOSED PERMANENT EASEMENT - - - PROPOSED GAS PIPELINE (NO GROUND SURVEY) [Symbol] EXTRA WORK SPACE [Symbol] AREA OF NO DISTURBANCE [Symbol] WETLAND [Symbol] TOPSOIL SEGREGATION AREA [Symbol] PROPOSED TEMPORARY R.O.W. [Symbol] UTILITY POLE 	<ul style="list-style-type: none"> [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] SEEP [Symbol] SLOPE DIRECTION [Symbol] CONSTRUCTION ENTRANCE WITH DITCH [Symbol] CULVERT AS NEEDED [Symbol] CULVERT/WATERBAR [Symbol] LIMIT OF DISTURBANCE [Symbol] BELTED SILT RETENTION FENCE (BSRF) [Symbol] COMPOST FILTER SOCK IDENTIFICATION [Symbol] CULVERT IDENTIFICATION [Symbol] ORANGE SAFETY FENCE [Symbol] ROADSIDE DITCH [Symbol] SOIL TYPE [Symbol] 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, U SURVEY FOOT, CENTRAL MERIDIAN 81° 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. 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) STEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE WATERSHED POLLUTION PREVENTION PLAN. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEP 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. 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.5.5. 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.
---	--	---

NO.	DATE	CHKD.	APPD.	DESCRIPTION

DANIEL R. GOLDSTEIN
 Lic. No. 047436

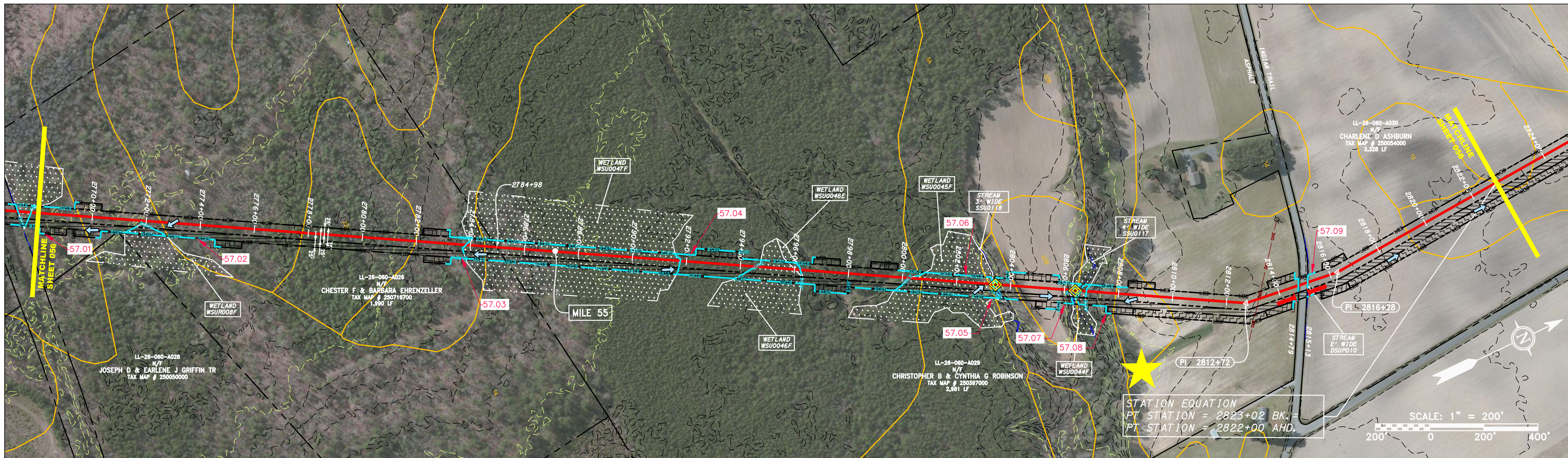
gai consultants
 SOUTHPOINT OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

 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 E056
 056 OF 84
 4/11/2017 1:06 PM

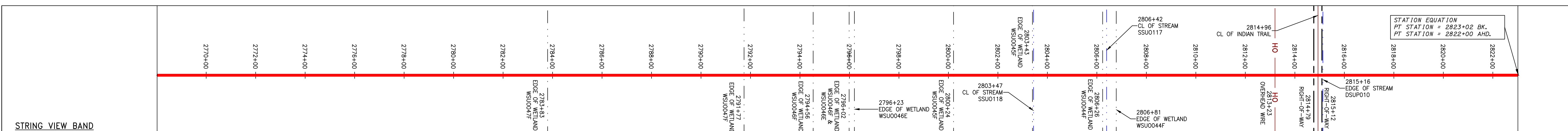


PROPERTY OWNERSHIP

2755+08	2794+98	2844+39
LL-26-060-A026 CHESTER F & BARBARA EHRENZELLER TAX MAP # 250716700 1,990 LF	LL-26-060-A029 N/A CHRISTOPHER B & CYNTHIA G ROBINSON TAX MAP # 250397000 2,991 LF	LL-26-060-A030 N/A CHARLENE D ASHBURN TAX MAP # 250054000 3,328 LF



PIPE SPECIFICATION



LEGEND

--- PROPERTY LINE	--- STORM SEWER	--- EXTRA WORK SPACE	--- LIMIT OF DISTURBANCE
-X-X- FENCE	--- UNDERGROUND ELECTRIC	--- AREA OF NO DISTURBANCE	--- BELTED SILT RETENTION FENCE (BSRF)
--- STREAM	--- WATER LINE	--- TOPSOIL SEGREGATION AREA	--- COMPOST FILTER SOCK
--- EXISTING GAS PIPELINE	--- SANITARY SEWER	--- PROPOSED TEMPORARY R.O.W.	--- IDENTIFICATION
--- OVERHEAD UTILITY LINES	--- EDGE OF GRAVEL	--- WETLAND	--- CULVERT IDENTIFICATION
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT	--- UTILITY POLE	--- ORANGE SAFETY FENCE
--- PROPOSED GAS PIPELINE	--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)	--- NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).	--- ROADSIDE DITCH

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. 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 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) STEP 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 STEP SLOPES 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 SHOWN ON THE PLAN SET.
- 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 SHOWN ON THE 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.

REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

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

SCALE: AS SHOWN
 DATE: 3/30/17
 DRAWN: JMS
 CHECKED: DLH
 APPROVED: NET

gai consultants

SOUTHPOINTE 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

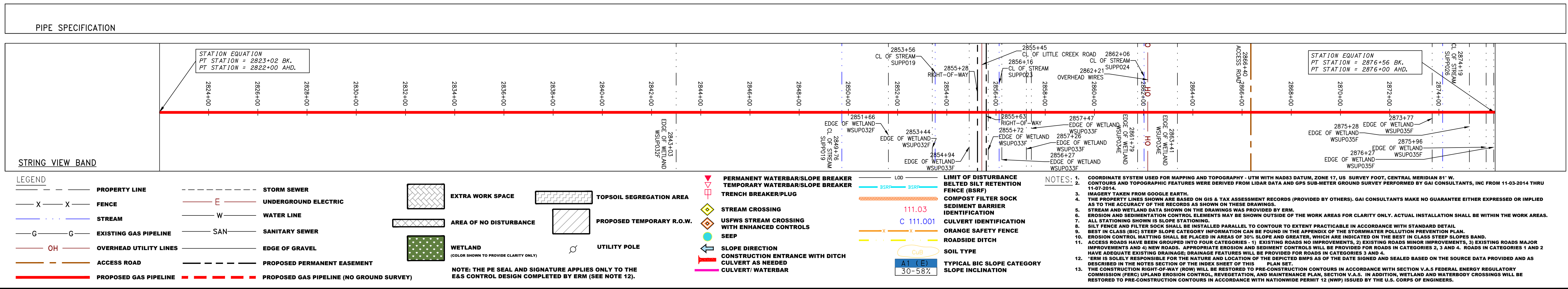
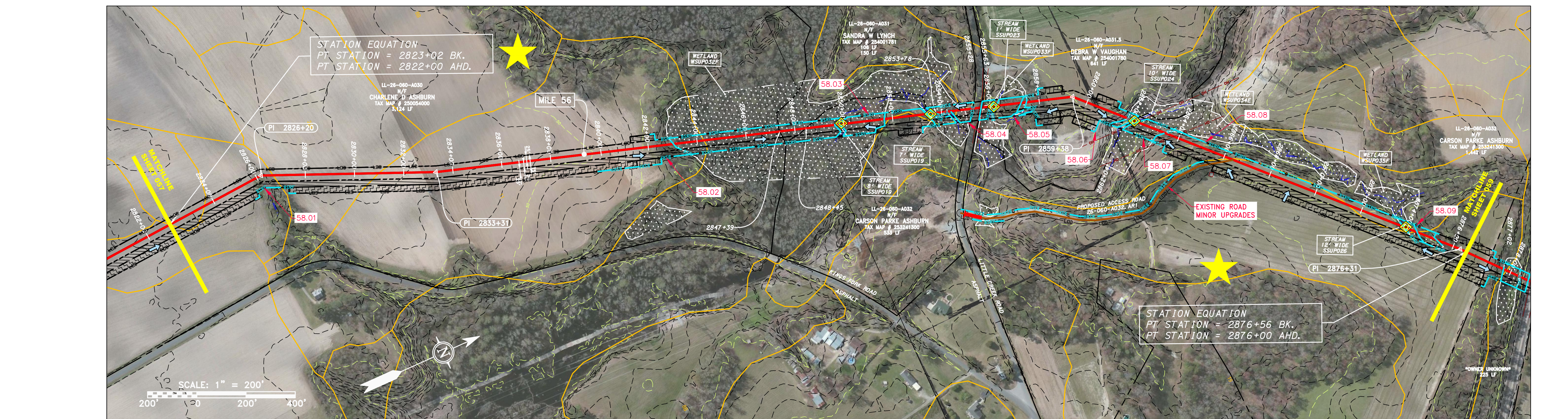
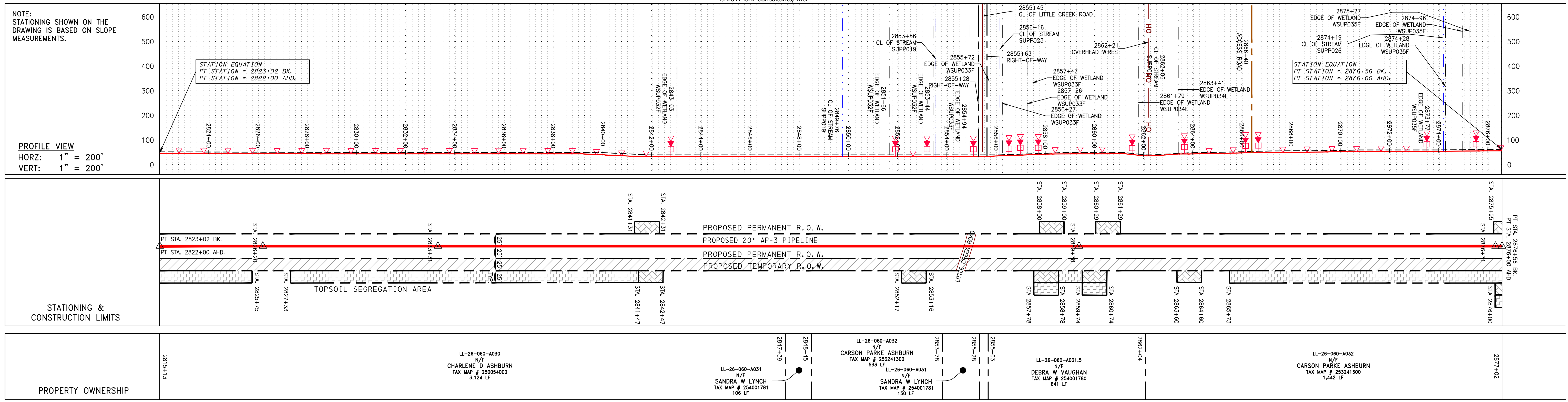
PROJECT NO./DASH NO.
 140468

TASK NO.	SUB TASK NO.
005	00

GROUP ID
 D

DRAWING NO.
 E057

057 OF 84



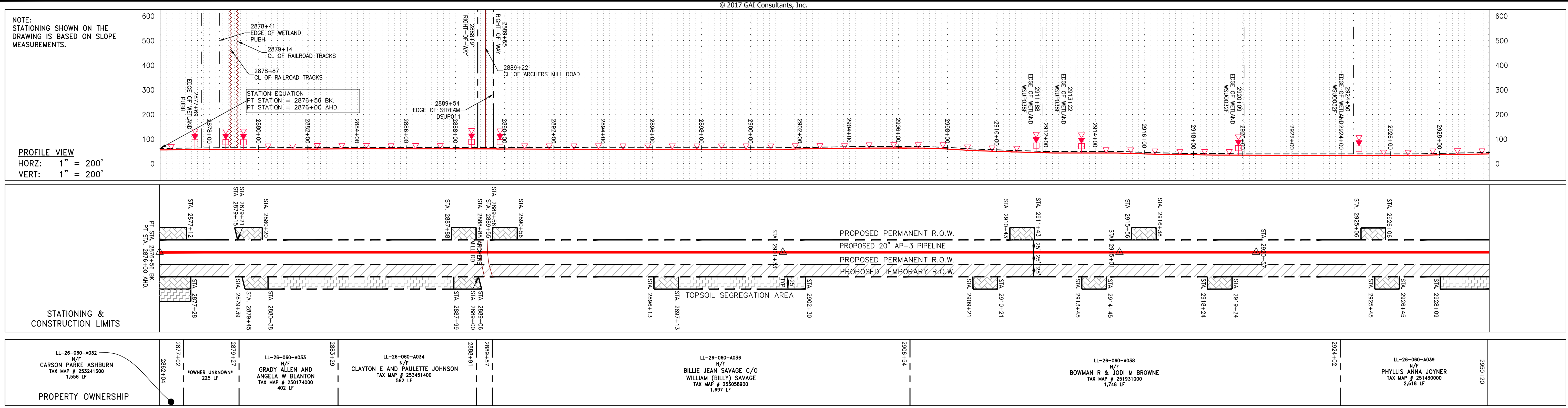
NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION

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

gai consultants
 SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 PITTSBURGH, 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 E058
 058 OF 84



NO.	DATE	CHKD.	APPROV.	DESCRIPTION

DANIEL R. GOLDSTEIN
 Lic. No. 047436

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

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

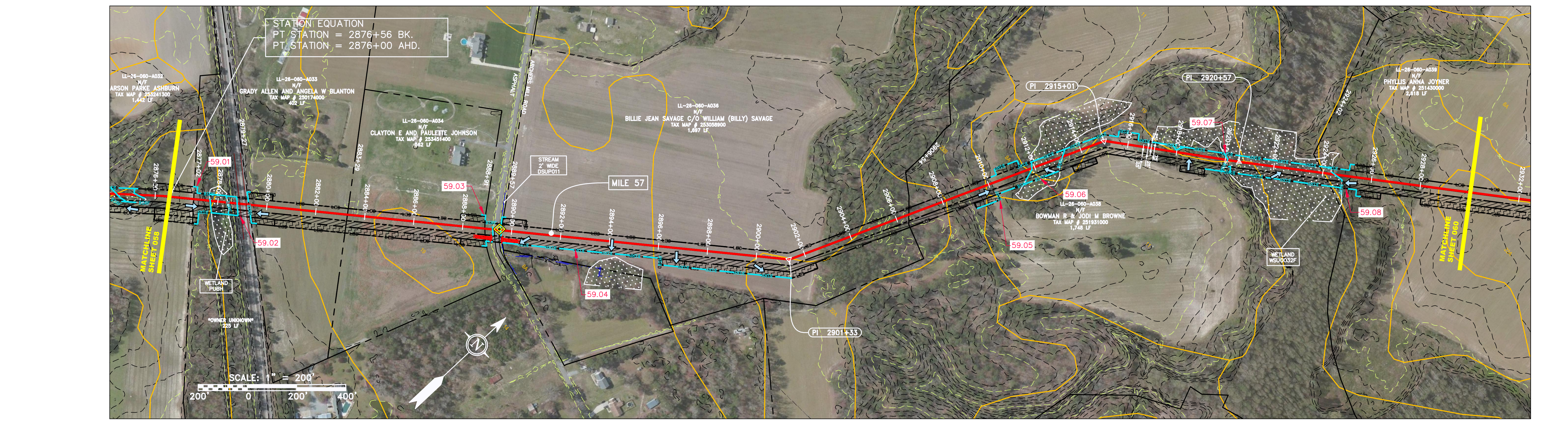
300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO.
 140468

TASK NO. SUB TASK NO.
 005 00

GROUP ID DRAWING NO.
 D E059

059 OF 84



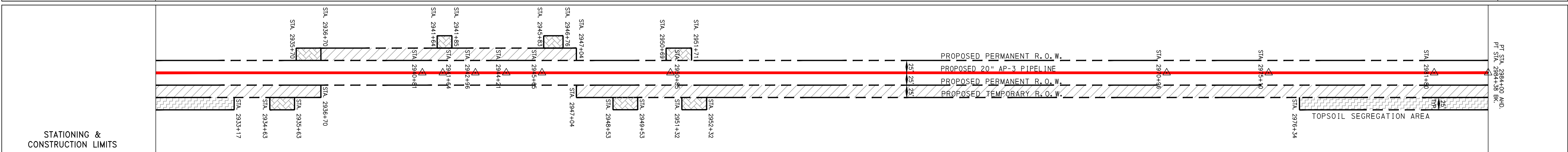
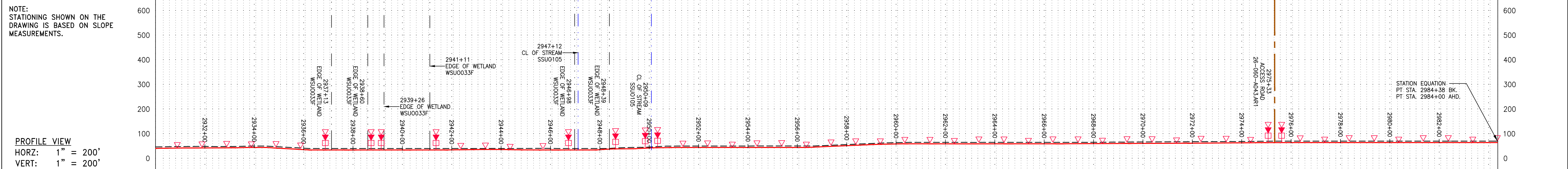
PIPE SPECIFICATION

STRING VIEW BAND

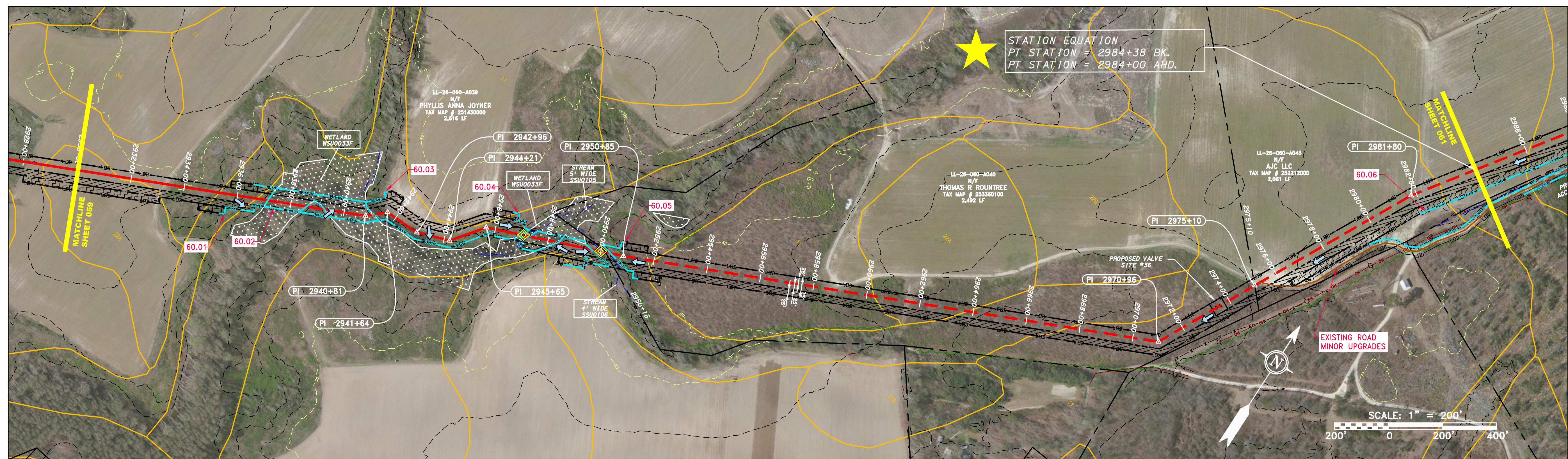
LEGEND

<p>— PROPERTY LINE</p> <p>X X FENCE</p> <p>— STREAM</p> <p>G G EXISTING GAS PIPELINE</p> <p>OH OVERHEAD UTILITY LINES</p> <p>— ACCESS ROAD</p> <p>— PROPOSED GAS PIPELINE</p>	<p>— STORM SEWER</p> <p>— UNDERGROUND ELECTRIC</p> <p>— WATER LINE</p> <p>— SANITARY SEWER</p> <p>— EDGE OF GRAVEL</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>SEEP</p> <p>SLOPE DIRECTION</p> <p>CONSTRUCTION ENTRANCE WITH DITCH</p> <p>CULVERT AS NEEDED</p> <p>CULVERT/WATERBAR</p>	<p>LIMIT OF DISTURBANCE</p> <p>BELTED SILT RETENTION FENCE (BSRF)</p> <p>COMPOST FILTER SOCK</p> <p>SEDIMENT BARRIER IDENTIFICATION</p> <p>CULVERT IDENTIFICATION</p> <p>ORANGE SAFETY FENCE</p> <p>ROADSIDE DITCH</p> <p>SOIL TYPE</p> <p>TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION</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. BEST IN CLASS (BIC) STEP 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 STEP 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.A.5. 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.
---	---	--	--	---	---	---

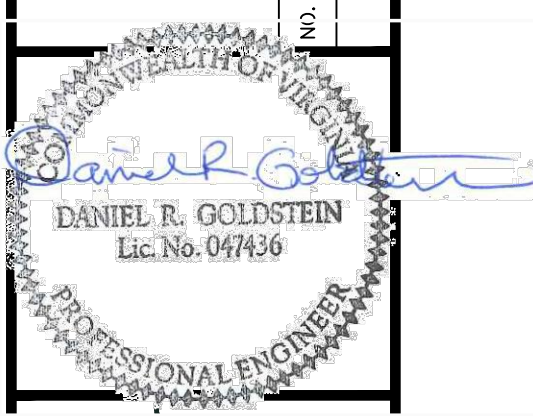
NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).



PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
LL-28-060-A039 N/A PHYLLIS ANNA JOYNER TAX MAP # 251430000 2,616 LF	STA. 2932+00 STA. 2933+17 STA. 2935+63 STA. 2936+70 STA. 2937+70 STA. 2938+00 STA. 2939+00 STA. 2940+00 STA. 2941+00 STA. 2942+00 STA. 2943+00 STA. 2944+00 STA. 2945+00 STA. 2946+00 STA. 2947+00 STA. 2948+00 STA. 2949+00 STA. 2950+00 STA. 2951+00 STA. 2952+00 STA. 2953+00 STA. 2954+00 STA. 2955+00 STA. 2956+00 STA. 2957+00 STA. 2958+00 STA. 2959+00 STA. 2960+00 STA. 2961+00 STA. 2962+00 STA. 2963+00 STA. 2964+00 STA. 2965+00 STA. 2966+00 STA. 2967+00 STA. 2968+00 STA. 2969+00 STA. 2970+00 STA. 2971+00 STA. 2972+00 STA. 2973+00 STA. 2974+00 STA. 2975+00 STA. 2976+00 STA. 2977+00 STA. 2978+00 STA. 2979+00 STA. 2980+00 STA. 2981+00 STA. 2982+00 STA. 2983+00 STA. 2984+00 STA. 2984+38 BK. STA. 2984+00 AHD.



NO.	DATE	CHKD.	APPROV.	DESCRIPTION



20" AP-3 PIPELINE
 CONSTRUCTION ALIGNMENT STA 2930+00 TO 2984+00
 CITY OF SUFFOLK, VIRGINIA
 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



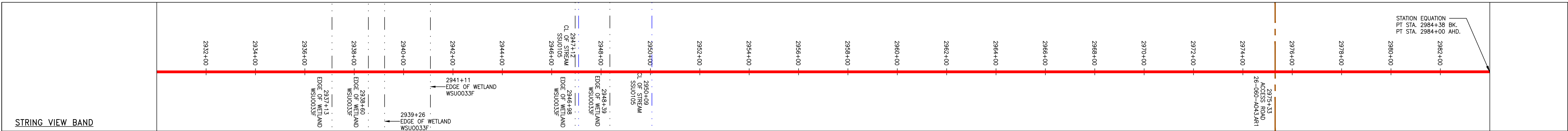
SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545



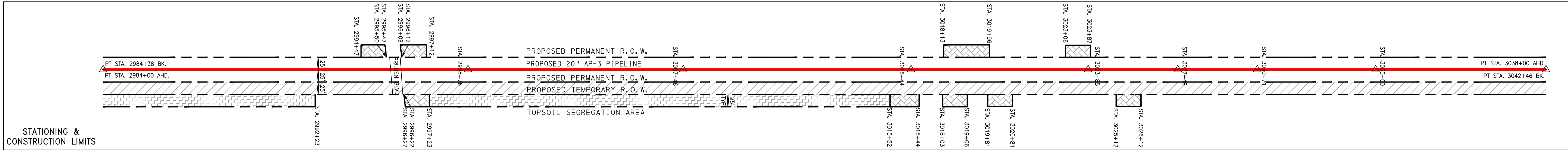
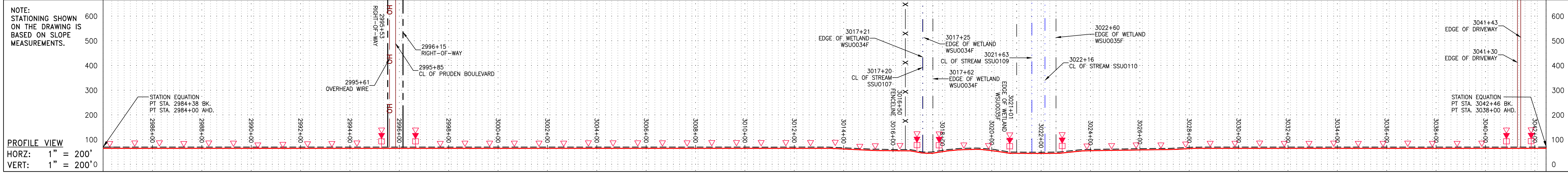
300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO.	140468	
TASK NO.	005	SUB TASK NO. 00
GROUP ID	D	DRAWING NO. E060
060	OF	84

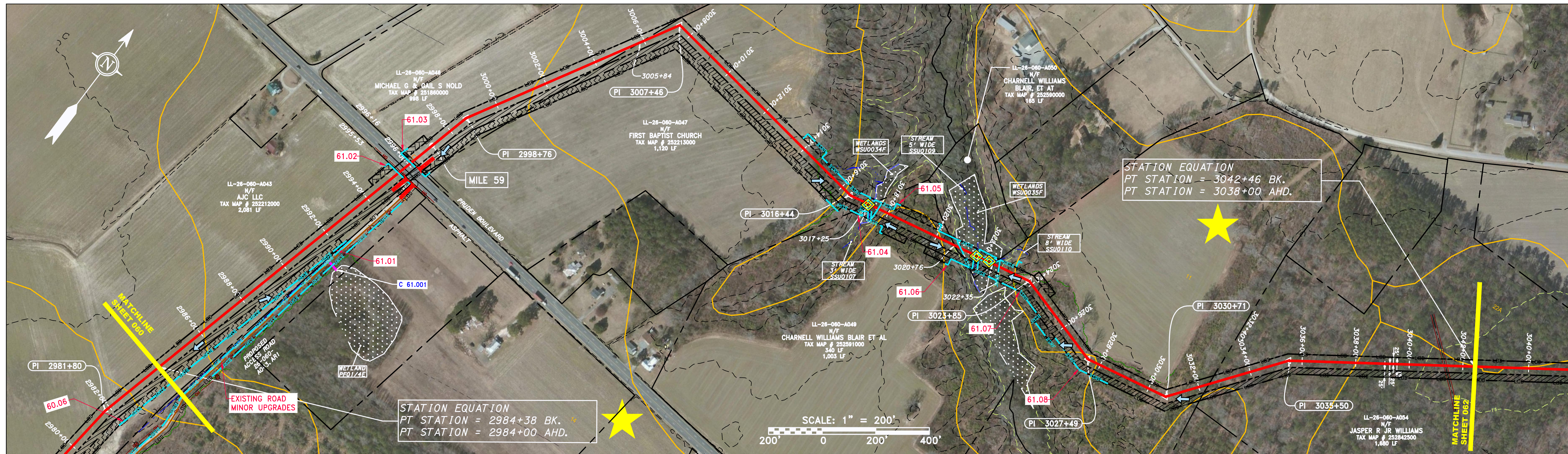
PIPE SPECIFICATION



LEGEND --- PROPERTY LINE X-X FENCE --- STREAM G-G EXISTING GAS PIPELINE OH OVERHEAD UTILITY LINES --- ACCESS ROAD --- PROPOSED GAS PIPELINE --- STORM SEWER --- UNDERGROUND ELECTRIC --- 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 USFPWS STREAM CROSSING WITH ENHANCED CONTROLS SEEP SLOPE DIRECTION CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS MINDER CULVERT/WATERBAR	LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF) COMPOST FILTER SOCK SEDIMENT BARRIER IDENTIFICATION CULVERT IDENTIFICATION ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION	NOTES: 1. 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. 2. IMAGERY TAKEN FROM GOOGLE EARTH. 3. 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 IN THESE DRAWINGS. 4. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. 5. 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 BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. 8. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND. 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; 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 BY THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET. 11. 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.A.5. 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. CORP. OF ENGINEERS.
--	--	---	---	--	--



Stationing	Property Ownership
2975+10	LL-26-060-A043 N/F AJC LLC TAX MAP # 252212000 2,043 LF
2994+00	LL-26-060-A046 N/F MICHAEL G & GAIL S NOLD TAX MAP # 252186000 960 LF
3005+84	LL-26-060-A047 N/F FIRST BAPTIST CHURCH TAX MAP # 252213000 1,141 LF
3017+25	LL-26-060-A049 N/F CHARNELL WILLIAMS BLAIR, ET AL TAX MAP # 252591000 351 LF
3022+35	LL-26-060-A050 N/F CHARNELL WILLIAMS BLAIR, ET AL TAX MAP # 252590000 159 LF
3023+45	LL-26-060-A049 N/F CHARNELL WILLIAMS BLAIR, ET AL TAX MAP # 252591000 1,005 LF
3032+40	LL-26-060-A054 N/F JASPER R JR WILLIAMS TAX MAP # 252842500 1,680 LF
3044+74	

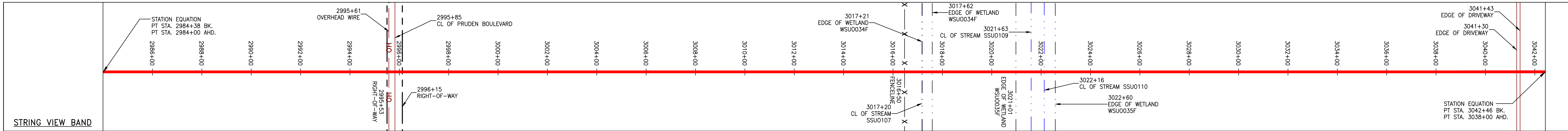


NO.	DATE	CHKD.	APPROV.	DESCRIPTION

CONSTRUCTION ALIGNMENT STA 2984+00 TO 3038+00
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN
DATE: 4/12/17
DRAWN: JMS
CHECKED: DLH
APPROVED: NET

PIPE SPECIFICATION



<p>LEGEND</p> <ul style="list-style-type: none"> PROPERTY LINE FENCE STREAM EXISTING GAS PIPELINE OVERHEAD UTILITY LINES ACCESS ROAD PROPOSED GAS PIPELINE PROPOSED GAS PIPELINE (NO GROUND SURVEY) STORM SEWER UNDERGROUND ELECTRIC WATER LINE SANITARY SEWER EDGE OF GRAVEL PROPOSED PERMANENT EASEMENT PROPOSED PERMANENT R.O.W. PROPOSED TEMPORARY R.O.W. UTILITY POLE WETLAND EXTRA WORK SPACE TOPSOIL SEGREGATION AREA AREA OF NO DISTURBANCE UTILITY POLE 	<p>NOTES:</p> <ol style="list-style-type: none"> COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. SURVEY FOOT, CENTRAL MERIDIAN 81° 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. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. BEST IN CLASS (BIC) STEP 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 STEP 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.5.5. 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.
---	--

gai consultants

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

mbemonaloh basin engineers

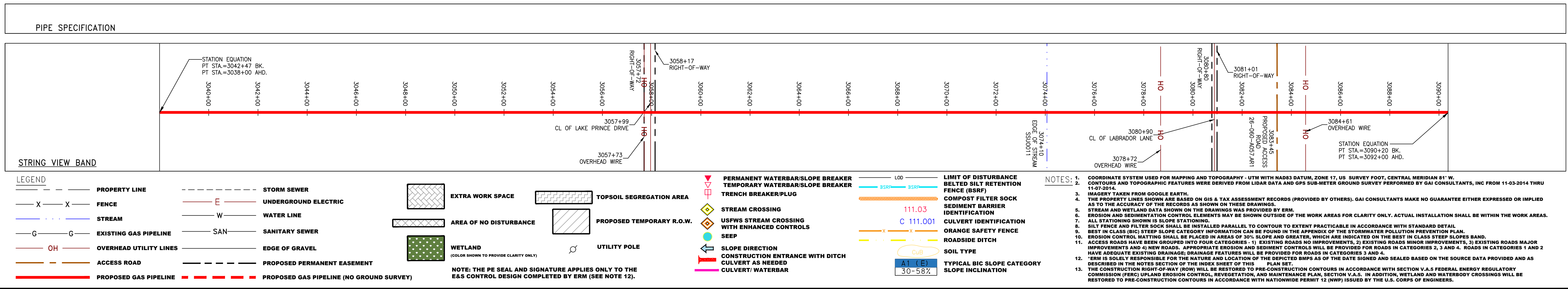
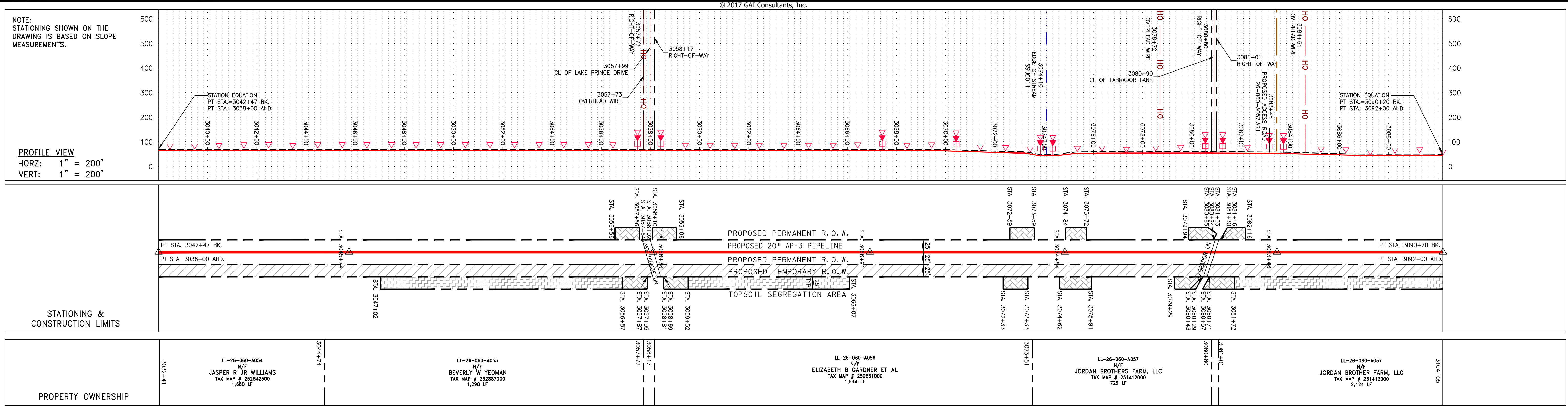
300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

PROJECT NO./DASH NO.
140468

TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E061

061 OF 84



REVISIONS		DESCRIPTION
NO.	DATE	CHKD. APPD.

DANIEL R. GOLDSTEIN
 Lic. No. 047436

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

CONSTRUCTION ALIGNMENT STA 3038+00 TO 3092+00
 CITY OF SUFFOLK, VIRGINIA

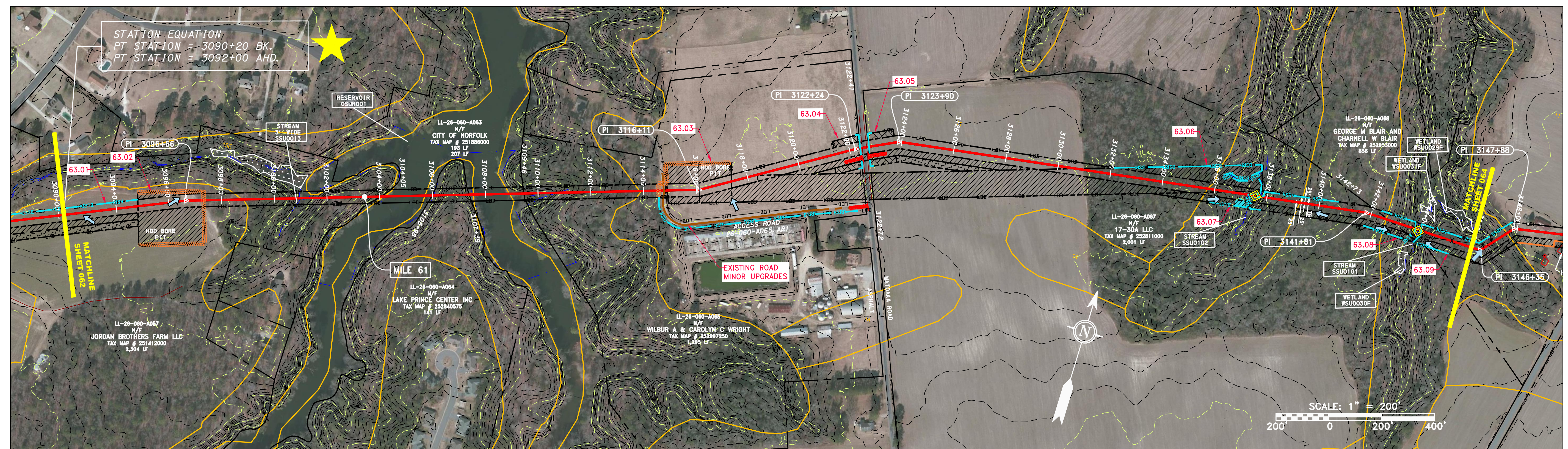
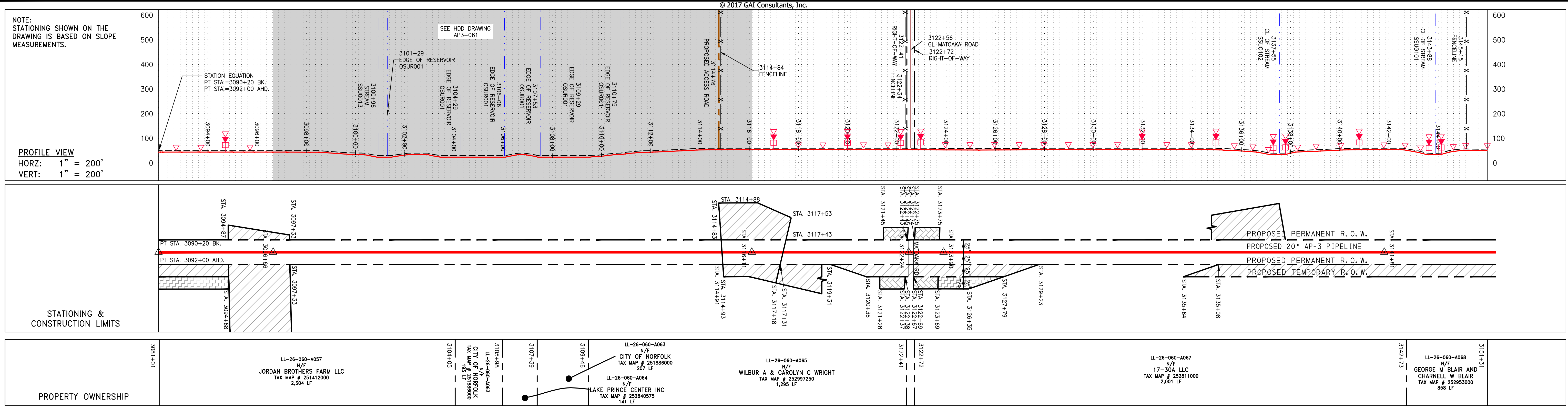
SCALE: AS SHOWN
 DATE: 3/22/17
 DRAWN: RDH
 CHECKED: DLH
 APPROVED: NET

SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 PITTSBURGH, PA 15207
 724-673-3545

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

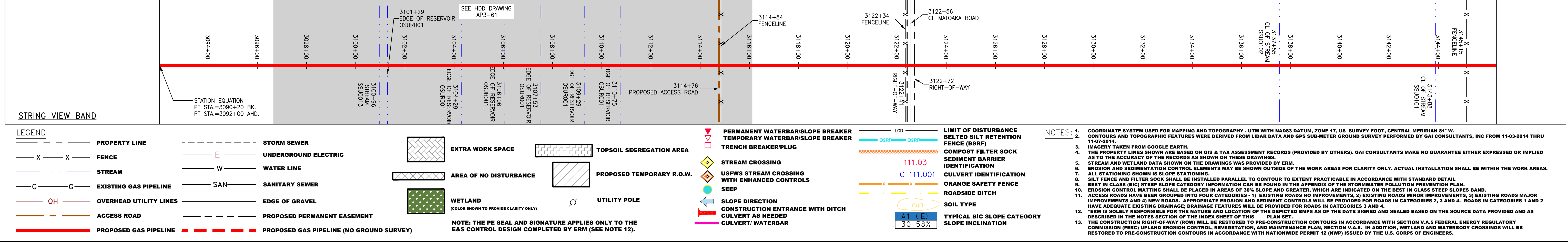
PROJECT NO./DASH NO. 140468
 TASK NO. SUB TASK NO. 005 00
 GROUP ID DRAWING NO. D E062
 062 OF 84

3/22/2017 9:51 PM

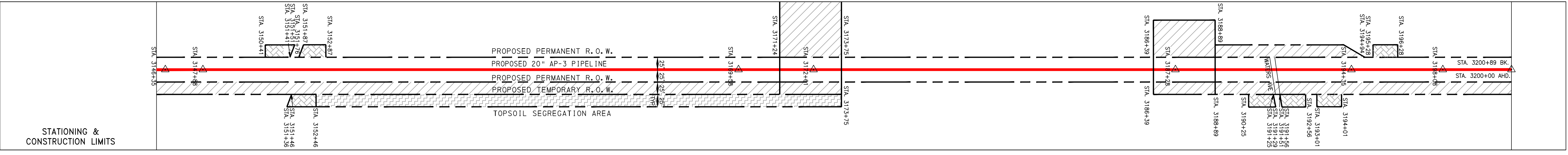
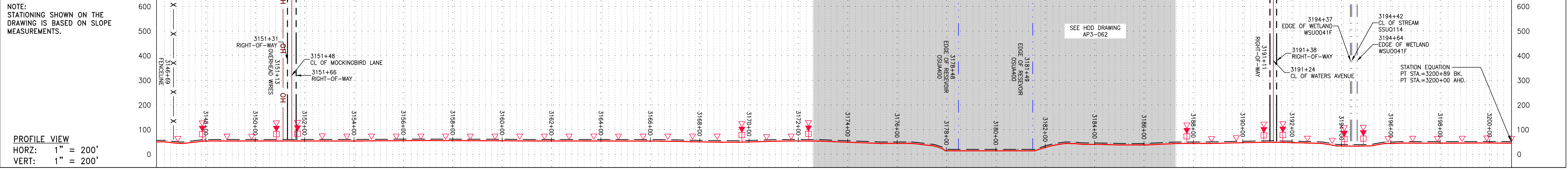


PIPE SPECIFICATION

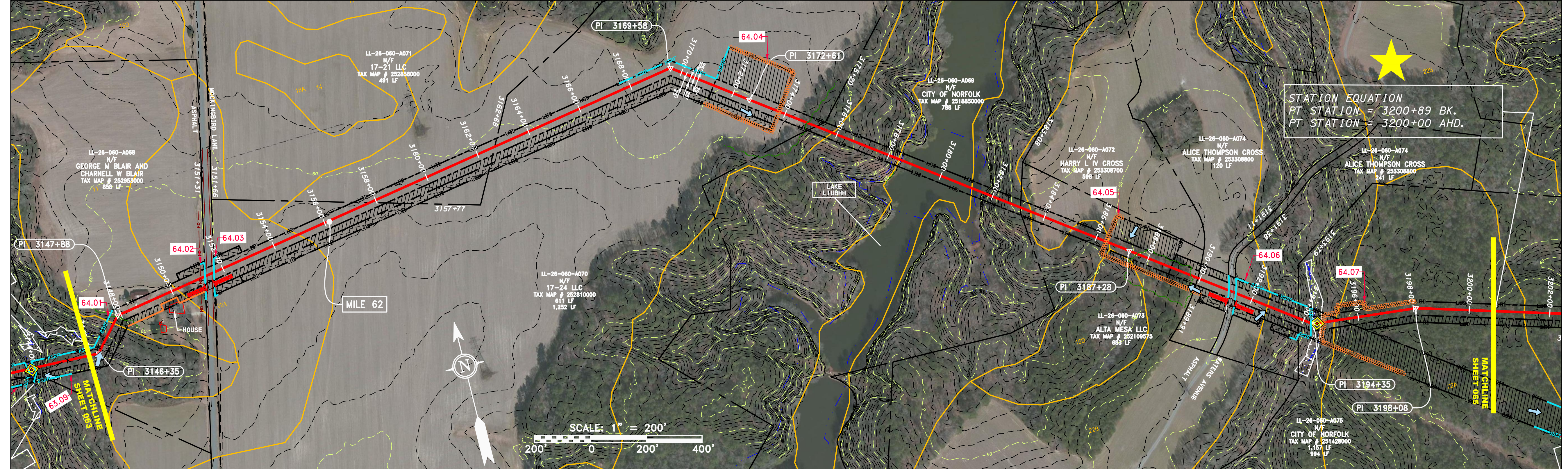
20" AP-3 PIPELINE	20" AP-3 PIPELINE
-------------------	-------------------



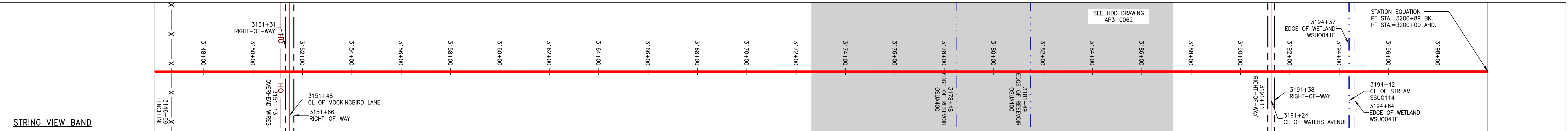
REVISIONS	
NO.	DATE
CHKD.	DATE
APPROV.	DATE
<p>CONSTRUCTION ALIGNMENT STA 3092+00 TO 3146+00</p> <p>ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330</p>	
SCALE:	AS SHOWN
DATE:	3/29/17
DRAWN:	JMS
CHECKED:	DLH
APPROVED:	NET
<p>SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-873-3545</p>	
<p>300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433</p>	
PROJECT NO./DASH NO.	140468
TASK NO.	005
SUB TASK NO.	00
GROUP ID	D
DRAWING NO.	E063
063	OF 84



Stationing	Property Ownership
3142+73	LL-26-060-A068 N/A GEORGE W BLAIR AND CHARNELL W BLAIR TAX MAP # 252953000 858 LF
3151+31	LL-26-060-A070 N/A 17-24 LLC TAX MAP # 252810000 616 LF
3157+77	LL-26-060-A071 N/A 17-21 LLC TAX MAP # 252858000 491 LF
3162+66	LL-26-060-A070 N/A 17-24 LLC TAX MAP # 252810000 1,282 LF
3175+20	LL-26-060-A069 N/A CITY OF NORFOLK TAX MAP # 251885000 788 LF
3183+08	LL-26-060-A073 N/A ALTA MESA LLC TAX MAP # 252109575 685 LF
3188+41	LL-26-060-A074 N/A ALICE THOMPSON CROSS TAX MAP # 253308800 120 LF
3191+11	LL-26-060-A074 N/A ALICE THOMPSON CROSS TAX MAP # 253308800 241 LF
3193+79	LL-26-060-A074 N/A ALICE THOMPSON CROSS TAX MAP # 253308800 241 LF
3194+38	LL-26-060-A074 N/A ALICE THOMPSON CROSS TAX MAP # 253308800 241 LF
3194+41	LL-26-060-A075 N/A CITY OF NORFOLK TAX MAP # 251428000 1,157 LF
3204+47	



PIPE SPECIFICATION



LEGEND

— — — — —	PROPERTY LINE	— — — — —	STORM SEWER		EXTRA WORK SPACE		TOPSOIL SEGREGATION AREA
-X-X-	FENCE	— — — — —	UNDERGROUND ELECTRIC		AREA OF NO DISTURBANCE		PROPOSED TEMPORARY R.O.W.
— — — — —	STREAM	— — — — —	WATER LINE		UTILITY POLE		
-G-G-	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)				

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.
- 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.
- STATIONING SHOWN IS BASED ON SLOPE MEASUREMENTS.
- 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 4.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.A.5. 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.

REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

Professional Engineer Seal:
 DANIEL R. GOLDSTEIN
 Lic. No. 047436

ERM

CONSTRUCTION ALIGNMENT STA 3146+00 TO 3200+00
 CITY OF SUFFOLK, VIRGINIA

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

SCALE: AS SHOWN
 DATE: 3/22/17
 DRAWN: JMS
 CHECKED: DLH
 APPROVED: NET

gai consultants

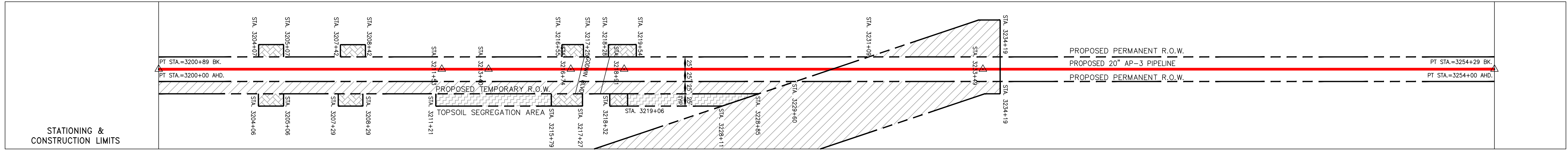
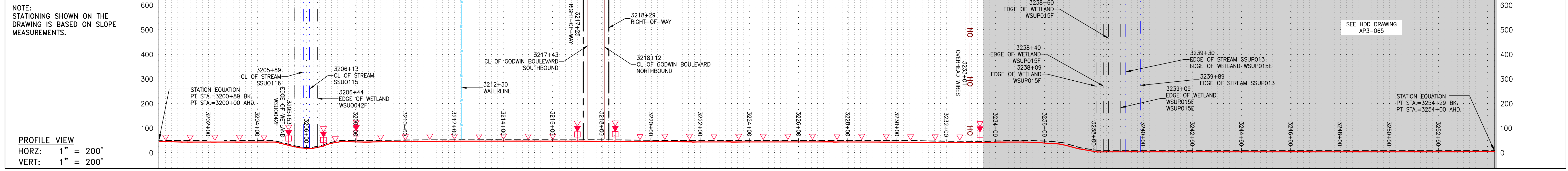
SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

mbe monaloh basin engineers

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

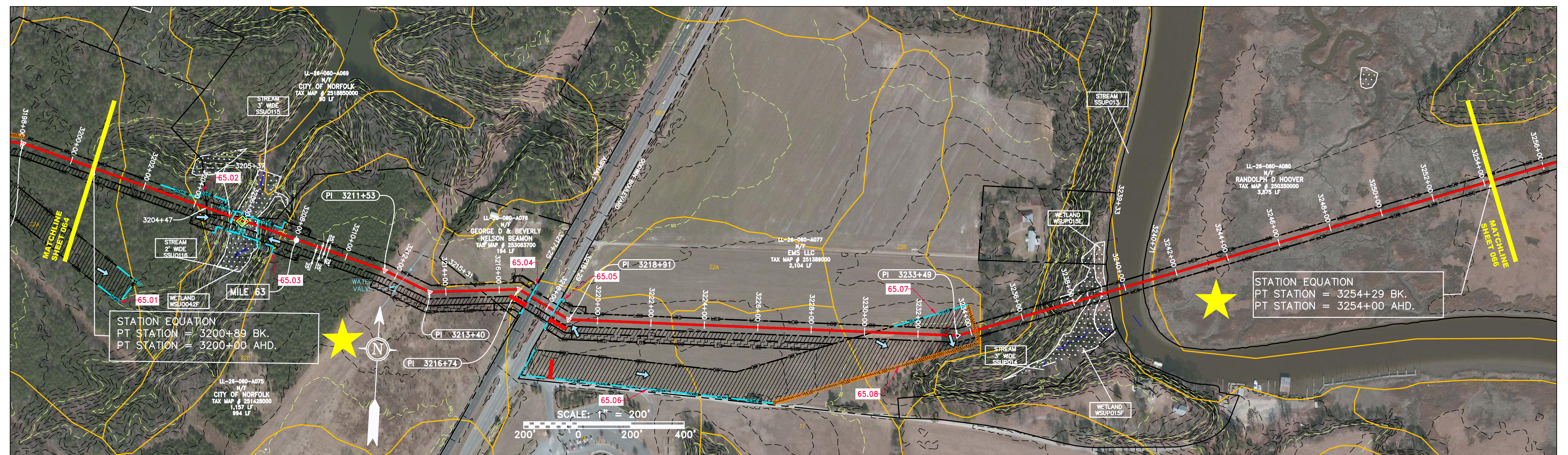
PROJECT NO./DASH NO. 140468
 TASK NO. SUB TASK NO. 005 00
 GROUP ID DRAWING NO. D E064
 064 OF 84

3/22/2017 3:54 PM



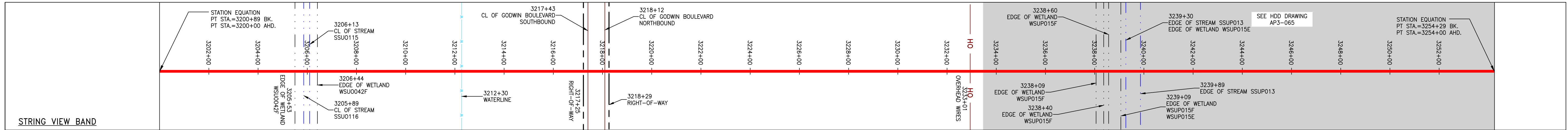
PROPERTY OWNERSHIP

LL-26-060-A075 CITY OF NORFOLK TAX MAP # 251428000 1,157 LF	LL-26-060-A075 CITY OF NORFOLK TAX MAP # 251428000 994 LF	LL-26-060-A075 N/F CITY OF NORFOLK TAX MAP # 251428000 994 LF	LL-26-060-A075 N/F GEORGE D & BEVERLY NELSON BEAMON TAX MAP # 253083700 194 LF	LL-26-060-A077 N/F EMS LLC TAX MAP # 251389000 2,104 LF	LL-26-060-A080 N/F RANDOLPH D HOOVER TAX MAP # 250350000 3,875 LF
--	--	---	--	---	---



PIPE SPECIFICATION

111.03	111.001	30-58%
--------	---------	--------



LEGEND

--- PROPERTY LINE	--- STORM SEWER	--- EXTRA WORK SPACE	--- LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF)
-X-X- FENCE	--- UNDERGROUND ELECTRIC	--- AREA OF NO DISTURBANCE	--- COMPOST FILTER SOCK
--- STREAM	--- WATER LINE	--- TOPSOIL SEGREGATION AREA	--- CULVERT IDENTIFICATION
-G-G- EXISTING GAS PIPELINE	--- SANITARY SEWER	--- PROPOSED TEMPORARY R.O.W.	--- ORANGE SAFETY FENCE
--- OH --- OVERHEAD UTILITY LINES	--- EDGE OF GRAVEL	--- UTILITY POLE	--- ROADSIDE DITCH
--- ACCESS ROAD	--- PROPOSED PERMANENT EASEMENT	--- WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	--- SOIL TYPE
--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)	--- PROPOSED GAS PIPELINE (NO GROUND SURVEY)	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).	--- TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION

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.
- 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% SLOPES AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES PLAN.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) 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 PLANNED.
- 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 PLANNED.
- 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.5.5. 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. CORP OF ENGINEERS.

REVISIONS

NO.	DATE	CHKD.	APPD.	DESCRIPTION

Daniel R. Goldstein
 Daniel R. Goldstein
 Lic. No. 047436
 PROFESSIONAL ENGINEER
 ERM

CONSTRUCTION ALIGNMENT STA 3200+00 TO 3254+00

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.
 CANONSBURG, PA 15317
 724-873-3545

mbe monaloh basin engineers

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

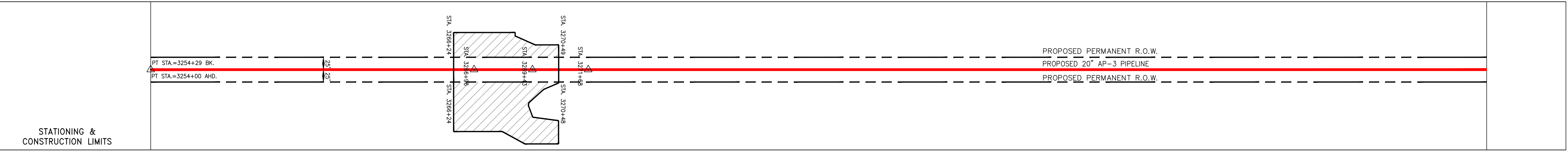
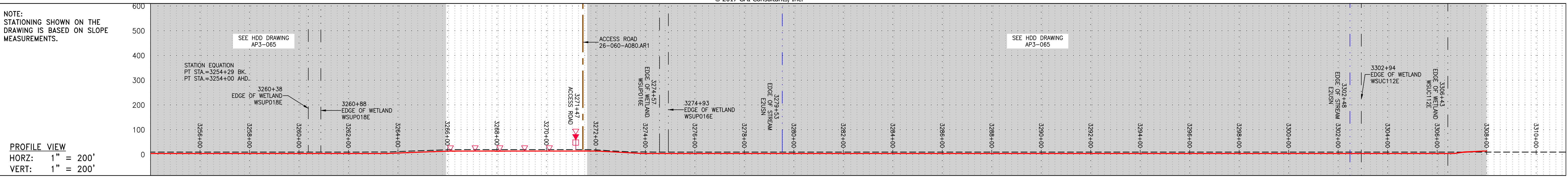
PROJECT NO./DASH NO.
 140468

TASK NO.	SUB TASK NO.
005	00

GROUP ID DRAWING NO.
 D E65

065 OF 84

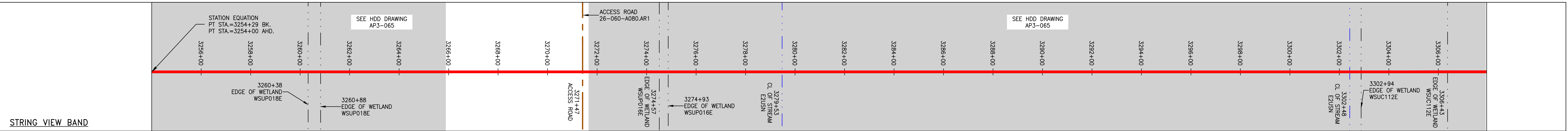
3/29/2017 2:37 PM



PROPERTY OWNERSHIP	STATIONING	DESCRIPTION
LL-26-060-A080 J.N. RANDOLPH D HOOVER TAX MAP # 2503500000 3,873 LF	3270+00 to 3279+00	*STREAM* 2,377 LF
LL-26-060-A082 MINTONVILLE LLC AND UPTON PRODUCE CO TAX MAP # 253744000 4,367 LF	3300+00 to 3309+00	



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 -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 <p>NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).</p>	<ul style="list-style-type: none"> [Triangle] PERMANENT WATERBAR/SLOPE BREAKER [Triangle] TEMPORARY WATERBAR/SLOPE BREAKER [Triangle] TRENCH BREAKER/PLUG [Circle] STREAM CROSSING [Circle] USFWS STREAM CROSSING WITH ENHANCED CONTROLS [Circle] SEEP [Arrow] SLOPE DIRECTION [Circle] CONSTRUCTION ENTRANCE WITH DITCH [Circle] CULVERT AS NEEDED [Circle] CULVERT/ WATERBAR 	<ul style="list-style-type: none"> [Line] LIMIT OF DISTURBANCE [Line] BELTED SILT RETENTION FENCE (BSRF) [Line] COMPOST FILTER SOCK [Line] SEDIMENT BARRIER IDENTIFICATION [Line] CULVERT IDENTIFICATION [Line] ORANGE SAFETY FENCE [Line] ROADSIDE DITCH [Line] SOIL TYPE [Line] 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, U.S. 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, VEGETATION, AND MAINTENANCE PLAN, SECTION V.5.5. 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.
---	---	--	---	--

NO.	DATE	CHKD.	APPD.	DESCRIPTION

DANIEL L. GOLDSTEIN
 Lic. No. 047436

ERM

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

SCALE:	AS SHOWN
DATE:	5/5/17
DRAWN:	GOS
CHECKED:	DLH
APPROVED:	NET

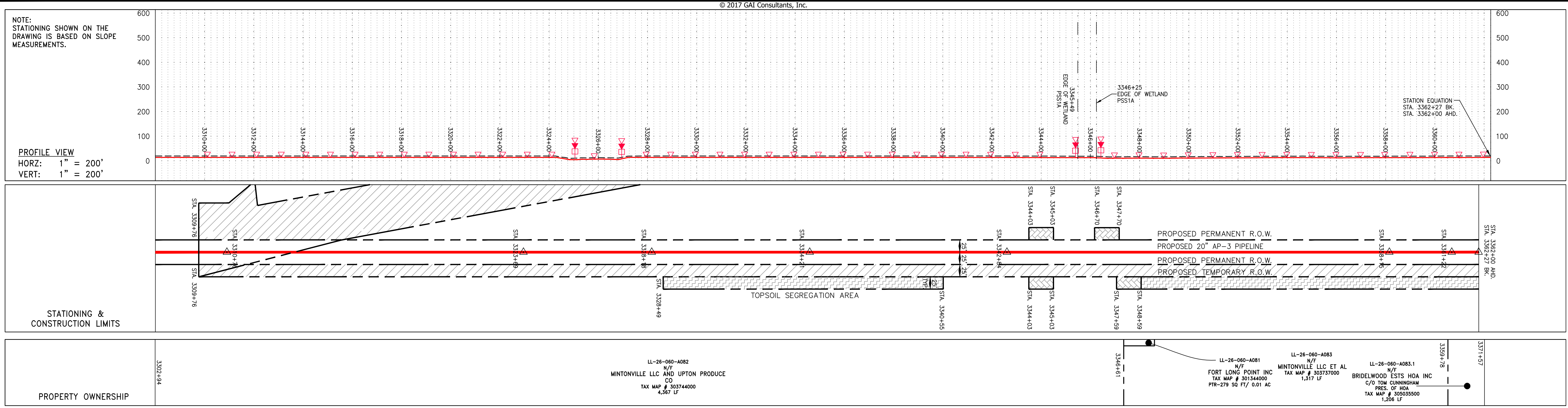
gai consultants

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

mbe monaloh basin engineers

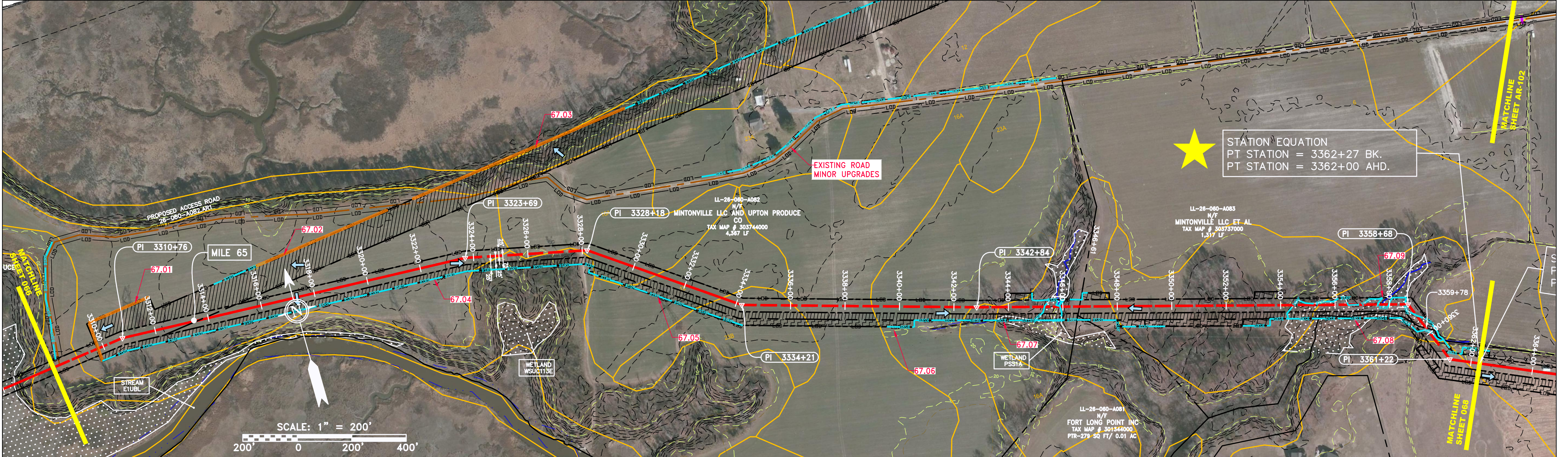
300 BUSINESS CENTER DRIVE
 PITTSBURGH, PA 15205
 412-788-2433

PROJECT NO./DASH NO.	140468	
TASK NO.	005	SUB TASK NO. 00
GROUP ID	D	DRAWING NO. E066
066	OF	84



NO.	DATE	CHKD.	APPROV.	DESCRIPTION

ERM



20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 3308+00 TO 3362+00
CITY OF SUFFOLK, 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: CLM
CHECKED: DLH
APPROVED: NET

PIPE SPECIFICATION

STRING VIEW BAND

LEGEND

<p>--- PROPERTY LINE</p> <p>X-X FENCE</p> <p>--- STREAM</p> <p>G-G EXISTING GAS PIPELINE</p> <p>OH OVERHEAD UTILITY LINES</p> <p>--- ACCESS ROAD</p> <p>--- PROPOSED GAS PIPELINE</p>	<p>--- STORM SEWER</p> <p>--- UNDERGROUND ELECTRIC</p> <p>--- WATER LINE</p> <p>--- SANITARY SEWER</p> <p>--- EDGE OF GRAVEL</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>USFPWS STREAM CROSSING WITH ENHANCED CONTROLS</p> <p>SEEP</p> <p>SLOPE DIRECTION</p> <p>CONSTRUCTION ENTRANCE WITH DITCH</p> <p>CULVERT AS NEEDED</p> <p>CULVERT/WATERBAR</p>	<p>LIMIT OF DISTURBANCE</p> <p>BELTED SILT RETENTION FENCE (BSRF)</p> <p>COMPOST FILTER SOCK</p> <p>SEDIMENT BARRIER IDENTIFICATION</p> <p>CULVERT IDENTIFICATION</p> <p>ORANGE SAFETY FENCE</p> <p>ROADSIDE DITCH</p> <p>SOIL TYPE</p> <p>111.03</p> <p>C 111.001</p> <p>30-58%</p> <p>AT (E)</p>	<p>NOTES:</p> <ol style="list-style-type: none"> COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. SURVEY FOOT, CENTRAL MERIDIAN 81° W. 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. 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) STEP 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 STEP SLOPE BAND. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) 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.4.5. 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.
---	---	---	--	--	---

NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).

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

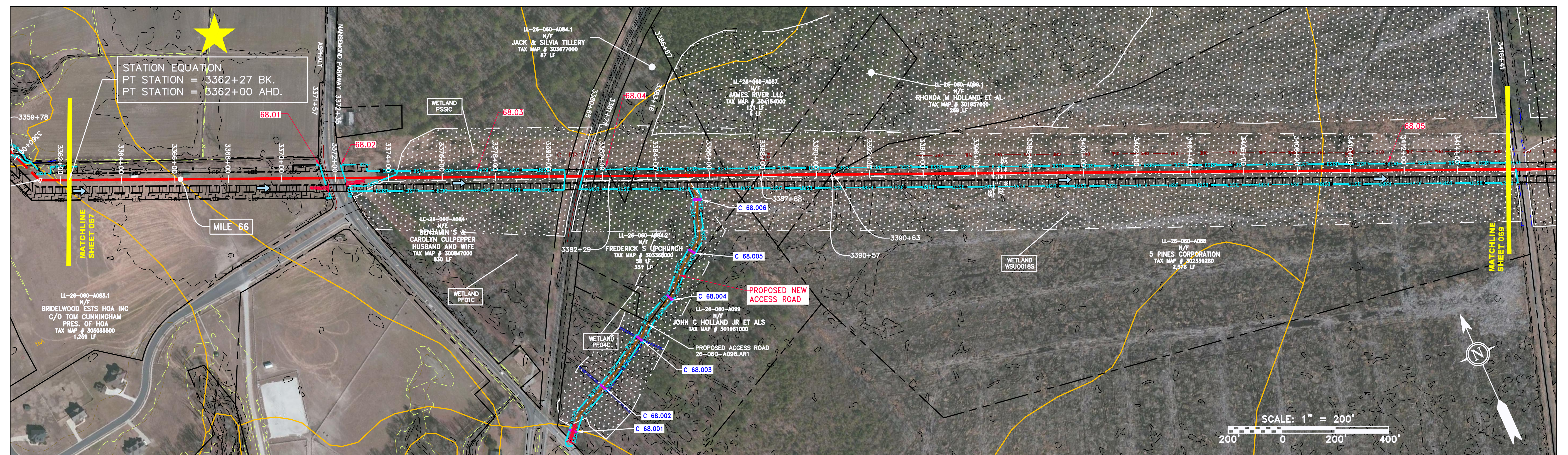
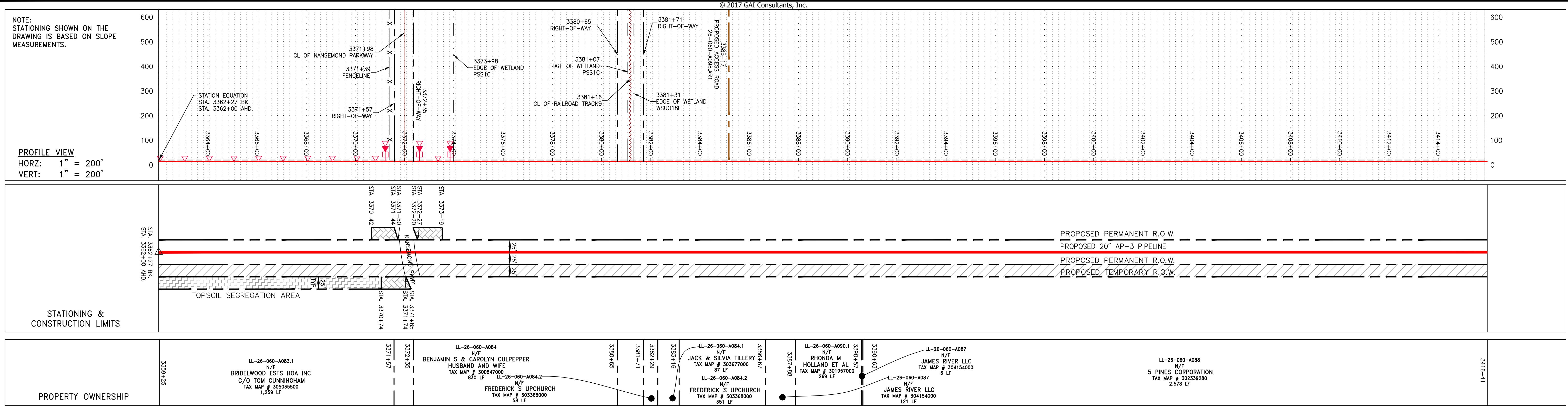
PROJECT NO./DASH NO.
140468

TASK NO.	SUB TASK NO.
005	00

GROUP ID: D DRAWING NO.: E067

067 OF 84

3/29/2017 10:29 AM



PIPE SPECIFICATION

STRING VIEW BAND

LEGEND

— — — — —	PROPERTY LINE	— — — — —	STORM SEWER	[Hatched Box]	EXTRA WORK SPACE	[Hatched Box]	TOPSOIL SEGREGATION AREA	[Red Triangle]	PERMANENT WATERBAR/SLOPE BREAKER	[Blue Line]	L00	LIMIT OF DISTURBANCE
X — X —	FENCE	— E —	UNDERGROUND ELECTRIC	[Green Box]	AREA OF NO DISTURBANCE	[Hatched Box]	PROPOSED TEMPORARY R.O.W.	[Yellow Diamond]	TEMPORARY WATERBAR/SLOPE BREAKER	[Blue Line]	111.03	BELTED SILT RETENTION FENCE (BSRF)
— — — — —	STREAM	— W —	WATER LINE	[Green Box]	WETLAND	[Hatched Box]	UTILITY POLE	[Blue Diamond]	TRENCH BREAKER/PLUG	[Blue Line]	C 111.00	COMPOST FILTER SOCK
G — G —	EXISTING GAS PIPELINE	— SAN —	SANITARY SEWER	[Green Box]	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).			[Blue Diamond]	STREAM CROSSING WITH ENHANCED CONTROLS	[Blue Line]	30-58%	SEDIMENT BARRIER IDENTIFICATION
— OH —	OVERHEAD UTILITY LINES	— — — — —	EDGE OF GRAVEL					[Blue Diamond]	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	[Blue Line]		CULVERT IDENTIFICATION
— — — — —	ACCESS ROAD	— — — — —	PROPOSED PERMANENT EASEMENT					[Blue Diamond]	SEEP	[Blue Line]		ORANGE SAFETY FENCE
— — — — —	PROPOSED GAS PIPELINE	— — — — —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)					[Blue Diamond]	SLOPE DIRECTION	[Blue Line]		ROADSIDE DITCH
								[Blue Diamond]	CONSTRUCTION ENTRANCE WITH DITCH	[Blue Line]		SOIL TYPE
								[Blue Diamond]	CULVERT AS NEEDED	[Blue Line]		TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION
								[Blue Diamond]	CULVERT/WATERBAR	[Blue Line]		

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. 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 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.
- 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 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 THE PLAN SET.
- THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.4.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.4.5. 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. CORP OF ENGINEERS.

REVISIONS

NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION

PROFESSIONAL ENGINEER

 DANIEL R. GOLDSTEIN
 Lic. No. 047436

ERM

20" AP-3 PIPELINE
 CONSTRUCTION ALIGNMENT STA 3362+00 TO 3416+00
 CITY OF SUFFOLK, 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: NSD
 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

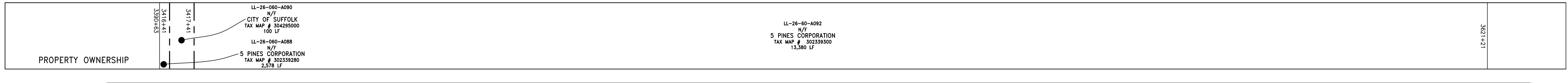
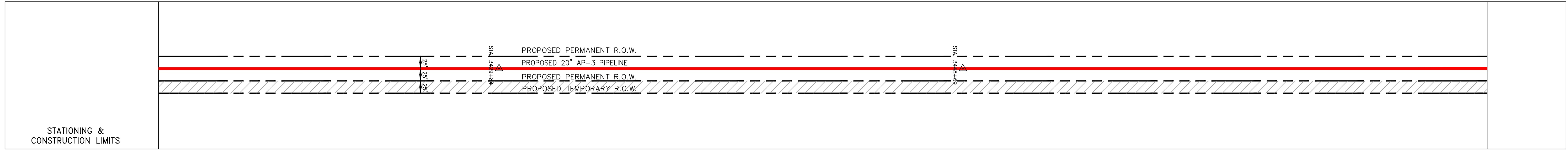
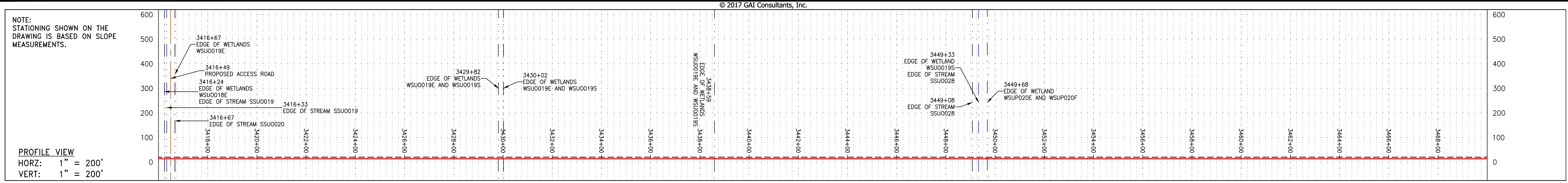
TASK NO. SUB TASK NO.
 005 00

GROUP ID DRAWING NO.
 D E068

068 OF 84

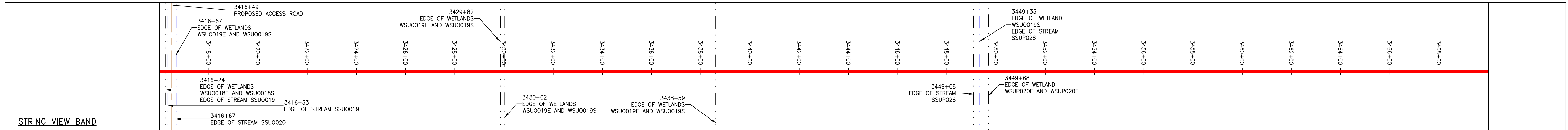
3/29/2017 2:43 PM

GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS\ALIGNMENT SHEETS\2665-7 PLAN SHEETS (69-71).DWG



PIPE SPECIFICATION

PIPE	20" AP-3 PIPELINE
WETLAND	WSU0019E, WSU0019S, WSU020E, WSU020F
STREAM	SSU0019, SSU0020, SSU028
RIGHT-OF-WAY	PROPOSED PERMANENT R.O.W., PROPOSED TEMPORARY R.O.W.



LEGEND

—	PROPERTY LINE	— E —	STORM SEWER	[Hatched Box]	EXTRA WORK SPACE	[Hatched Box]	TOPSOIL SEGREGATION AREA
X-X	FENCE	— W —	UNDERGROUND ELECTRIC	[Dotted Box]	AREA OF NO DISTURBANCE	[Hatched Box]	PROPOSED TEMPORARY R.O.W.
G-G	EXISTING GAS PIPELINE	— SAN —	WATER LINE	[Green Box]	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	[Circle]	UTILITY POLE
— OH —	OVERHEAD UTILITY LINES	---	SANITARY SEWER	[Red Arrow]	PERMANENT WATERBAR/SLOPE BREAKER	[Blue Arrow]	LIMIT OF DISTURBANCE
—	ACCESS ROAD	---	EDGE OF GRAVEL	[Yellow Arrow]	TEMPORARY WATERBAR/SLOPE BREAKER	[Green Arrow]	BELTED SILT RETENTION FENCE (BSRF)
---	PROPOSED GAS PIPELINE	---	PROPOSED PERMANENT EASEMENT	[Blue Arrow]	TRENCH BREAKER/PLUG	[Orange Arrow]	COMPOST FILTER SOCK
---	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	---	EDGE OF WETLAND	[Blue Arrow]	STREAM CROSSING	[Green Arrow]	SEDIMENT BARRIER IDENTIFICATION
			EDGE OF WETLANDS WSU0019E AND WSU0019S	[Blue Arrow]	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	[Green Arrow]	ROADSIDE DITCH
			EDGE OF WETLANDS WSU0019E AND WSU0019S	[Blue Arrow]	SEEP	[Green Arrow]	ORANGE SAFETY FENCE
			EDGE OF WETLANDS WSU0019E AND WSU0019S	[Blue Arrow]	SLOPE DIRECTION	[Green Arrow]	SOIL TYPE
			EDGE OF WETLANDS WSU0019E AND WSU0019S	[Blue Arrow]	CONSTRUCTION ENTRANCE WITH DITCH	[Green Arrow]	30-58%
			EDGE OF WETLANDS WSU0019E AND WSU0019S	[Blue Arrow]	CULVERT AS NEEDED	[Green Arrow]	
			EDGE OF WETLANDS WSU0019E AND WSU0019S	[Blue Arrow]	CULVERT/WATERBAR	[Green Arrow]	

NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).

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.
- 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, VEGETATION, AND MAINTENANCE PLAN, SECTION V.5.5. 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.

© 2017 GAI Consultants, Inc.

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

Professional Engineer Seal: DANIEL R. GOLDSTEIN, Lic. No. 047436

ERM Logo

20" AP-3 PIPELINE
 CONSTRUCTION ALIGNMENT STA 3416+00 TO 3470+00
 SUFFOLK COUNTY, VIRGINIA

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

SCALE: AS SHOWN
 DATE: 3/22/17
 DRAWN: NSD
 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

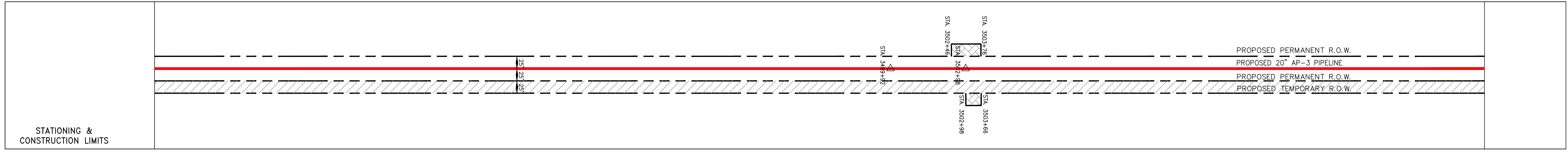
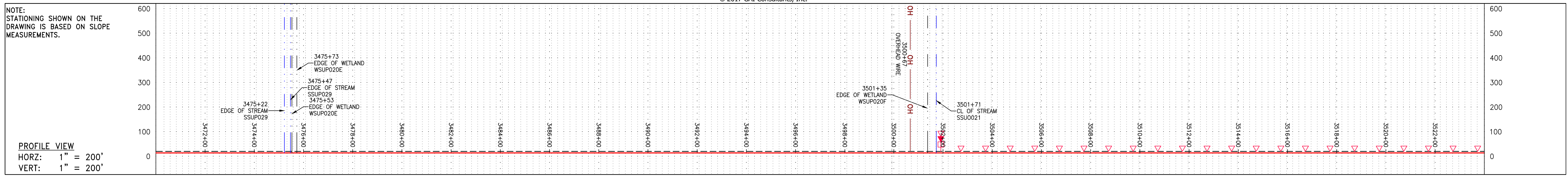
GROUP ID DRAWING NO.
 D E069

069 OF 84

3/22/2017 6:16 PM

GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS\ALIGNMENT SHEETS\E & S_REV_12 & XREFS\2665-7 PLAN SHEETS (69-71).DWG

© 2017 GAI Consultants, Inc.

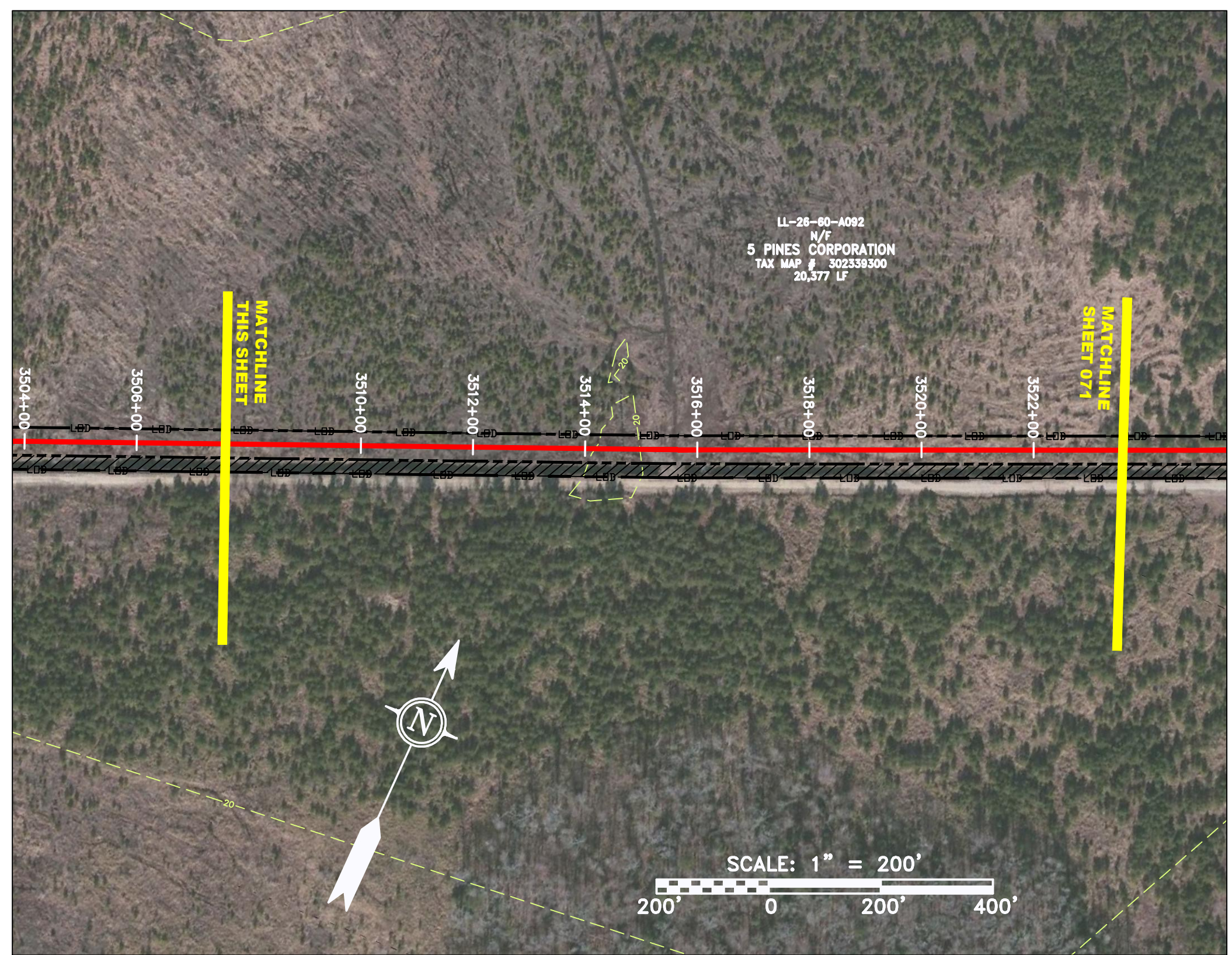
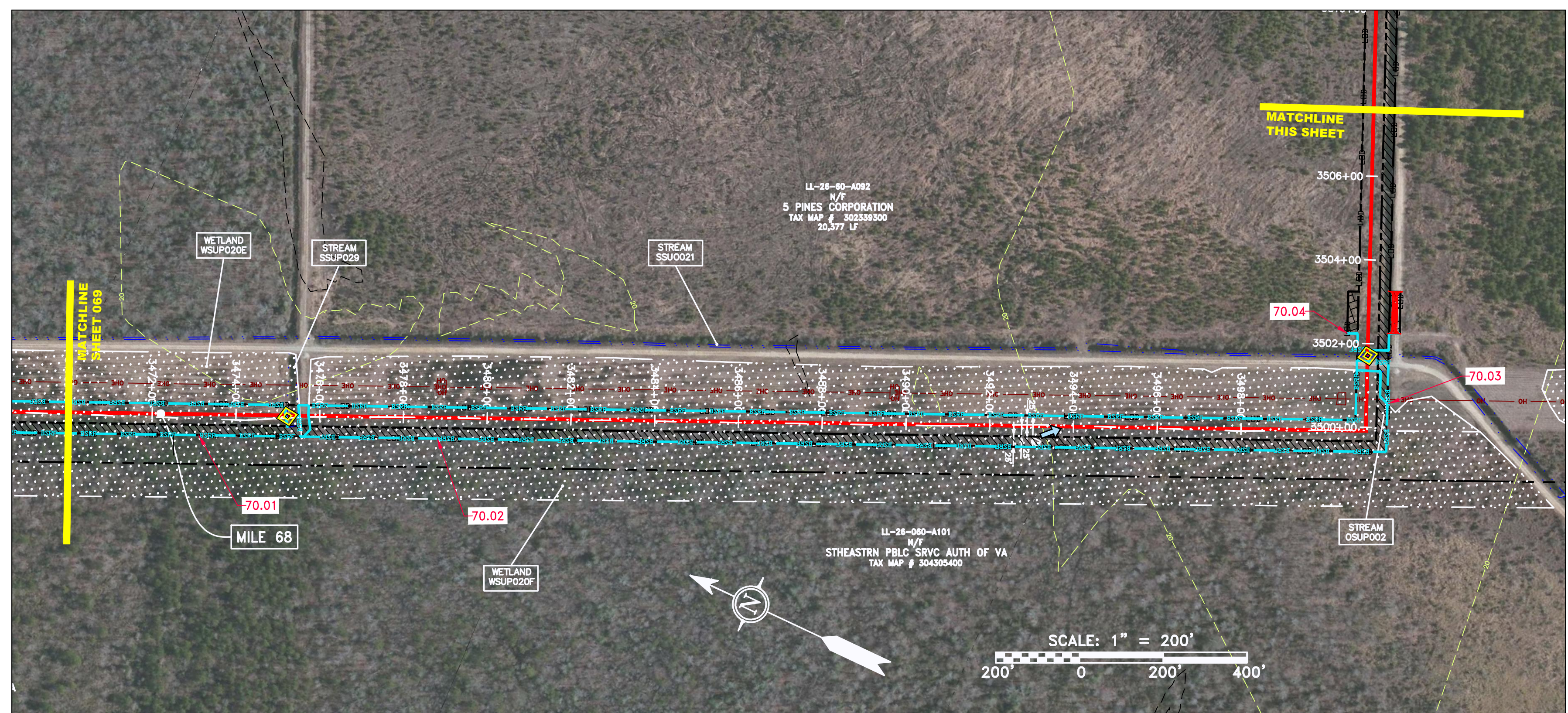


PROPERTY OWNERSHIP

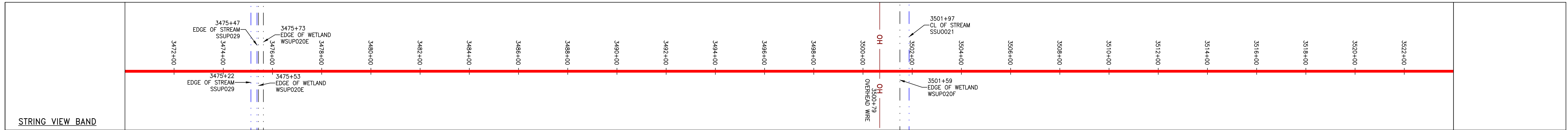
3472+41

LL-26-60-A092
N/A
5 PINES CORPORATION
TAX MAP # 302339300
20,377 LF

3521+18



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 -A- ACCESS ROAD -E- STORM SEWER -W- UNDERGROUND ELECTRIC -SAN- WATER LINE -SAN- SANITARY SEWER -W- EDGE OF GRAVEL -E- PROPOSED PERMANENT EASEMENT -E- PROPOSED GAS PIPELINE (NO GROUND SURVEY) 	<ul style="list-style-type: none"> [Pattern] EXTRA WORK SPACE [Pattern] AREA OF NO DISTURBANCE [Pattern] WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) [Pattern] TOPSOIL SEGREGATION AREA [Pattern] PROPOSED TEMPORARY R.O.W. [Symbol] UTILITY POLE 	<ul style="list-style-type: none"> [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] SEEP [Symbol] SLOPE DIRECTION [Symbol] CONSTRUCTION ENTRANCE WITH DITCH [Symbol] CULVERT AS NEEDED [Symbol] CULVERT/ WATERBAR 	<ul style="list-style-type: none"> [Symbol] LIMIT OF DISTURBANCE [Symbol] BELTED SILT RETENTION FENCE (BSRF) [Symbol] COMPOST FILTER SOCK [Symbol] SEDIMENT BARRIER IDENTIFICATION [Symbol] CULVERT IDENTIFICATION [Symbol] ORANGE SAFETY FENCE [Symbol] ROADSIDE DITCH [Symbol] SOIL TYPE [Symbol] TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION 	<p>NOTES:</p> <ol style="list-style-type: none"> 1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W, 11072014. 2. 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. 3. IMAGERY TAKEN FROM GOOGLE EARTH. 4. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. 5. 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 BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. 8. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND. 9. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) 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. 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. 11. 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.A.5. 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.
--	---	---	---	--

REVISIONS	
NO.	DESCRIPTION

DANIEL R. GOLDSTEIN
 Lic. No. 047436

20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 3470+00 TO 3524+00
 SUFFOLK & CHESAPEAKE COUNTY, VIRGINIA

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

SCALE: AS SHOWN
 DATE: 3/23/17
 DRAWN: JMS
 CHECKED: DLH
 APPROVED: NET

gai consultants

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

mbe
monahon basin engineers

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

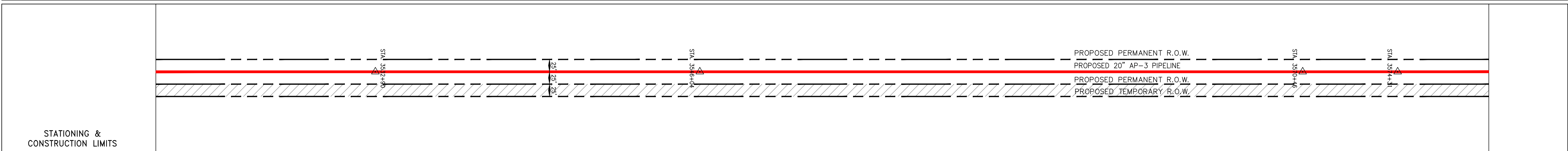
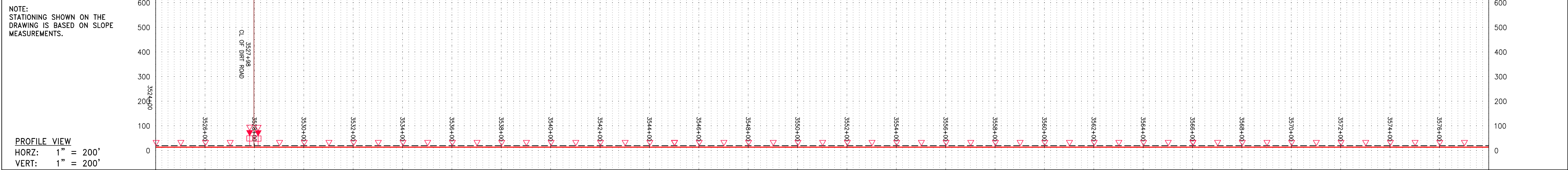
PROJECT NO./DASH NO.
 140468

TASK NO.	SUB TASK NO.
005	00

GROUP ID: D DRAWING NO.: E070

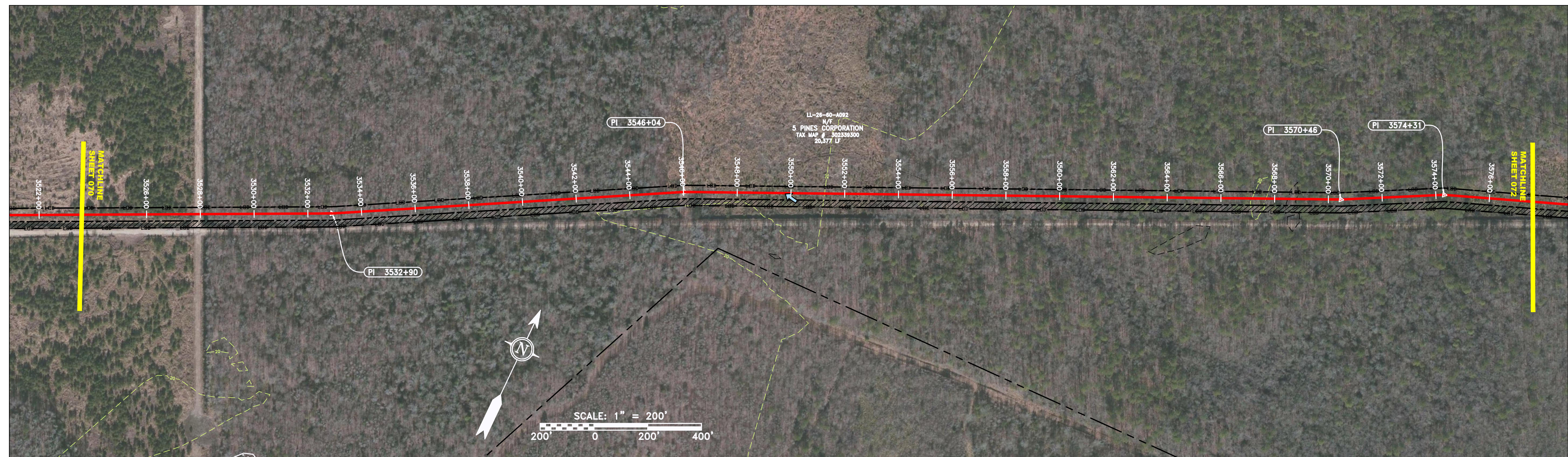
070 OF 84

3/23/2017 9:58 AM

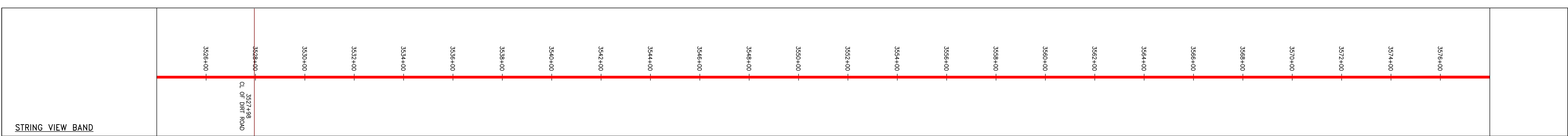


PROPERTY OWNERSHIP

LL-26-60-A092
N/A
5 PINES CORPORATION
TAX MAP # 30239300
20,377 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 -A- ACCESS ROAD -E- STORM SEWER -W- UNDERGROUND ELECTRIC -W- WATER LINE -SAN- SANITARY SEWER -E- EDGE OF GRAVEL -E- PROPOSED PERMANENT EASEMENT -E- PROPOSED GAS PIPELINE (NO GROUND SURVEY) 	<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 	<ul style="list-style-type: none"> PERMANENT WATERBAR/SLOPE BREAKER TEMPORARY WATERBAR/SLOPE BREAKER TRENCH BREAKER/PLUG STREAM CROSSING USPWS STREAM CROSSING WITH ENHANCED CONTROLS SEEP SLOPE DIRECTION CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED CULVERT/WATERBAR 	<ul style="list-style-type: none"> LOO 111.03 C 111.001 ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION 	<p>NOTES:</p> <ol style="list-style-type: none"> 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. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. 10. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPE BAND. 11. 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. 12. 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. 13. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.4.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.4.5. 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.
--	--	--	--	---

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 3524+00 TO 3578+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: RDC
CHECKED: DLH
APPROVED: NET

gai consultants
SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-673-3545

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

PROJECT NO./DASH NO.
140468

TASK NO.	SUB TASK NO.
005	00

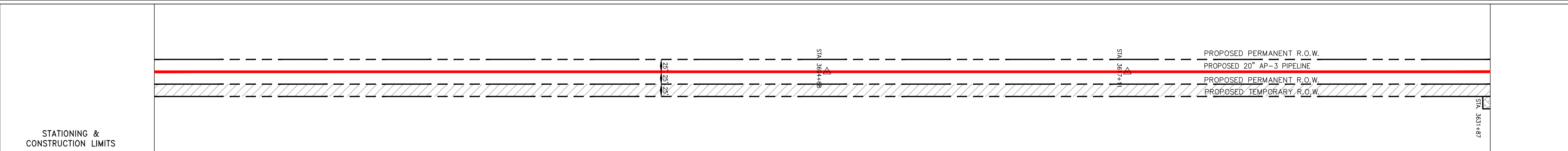
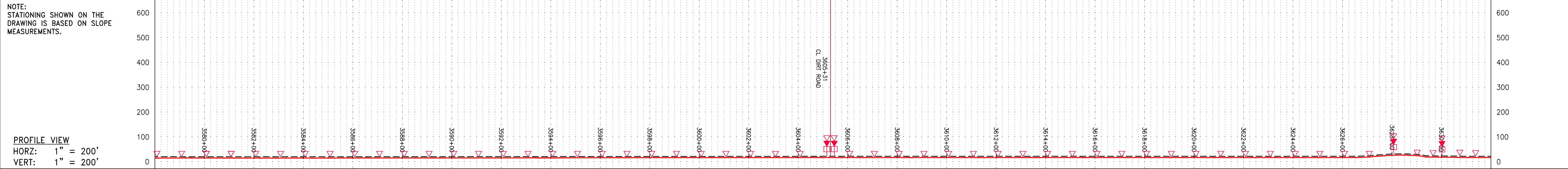
GROUP ID: D DRAWING NO.: E071

071 OF 84

GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS\ALIGNMENT SHEETS\E & S_REV_12 & XREFS\2665-7 PLAN SHEETS (69-71).DWG

GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS ALIGNMENT SHEETS E & S - REV. 12 & XREFS \2665-7 PLAN SHEETS (72-74).DWG

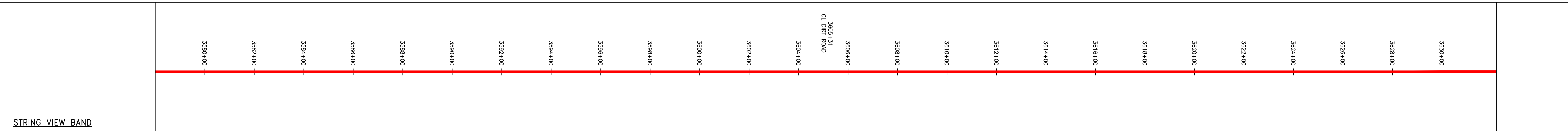
© 2017 GAI Consultants, Inc.



PROPERTY OWNERSHIP	ADDRESS	TAX MAP #	ACRES
LL-26-060-A092 N/F 5 PINES CORPORATION	20,377 LF	302339300	20.377
LL-26-166-8003 N/F GATEWAY LLC	954 LF	589489261	35.4
LL-26-166-8004 N/F GATEWAY LLC	831 LF	589506131	83.1



PIPE SPECIFICATION	PIPE TYPE	DIAMETER	DEPTH
PROPOSED GAS PIPELINE	HDPE	20"	36"



<p>LEGEND</p> <ul style="list-style-type: none"> --- PROPERTY LINE -X-X- FENCE -G-G- EXISTING GAS PIPELINE -OH- OVERHEAD UTILITY LINES -A- ACCESS ROAD -E- STORM SEWER -W- UNDERGROUND ELECTRIC -SAN- WATER LINE -SAN- SANITARY SEWER -E- EDGE OF GRAVEL -E- PROPOSED PERMANENT EASEMENT -E- 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 [Circle with X] STREAM CROSSING [Circle with X] USFWS STREAM CROSSING WITH ENHANCED CONTROLS [Circle with X] SEEP [Arrow] SLOPE DIRECTION [Circle with X] CONSTRUCTION ENTRANCE WITH DITCH [Circle with X] CULVERT AS NEED [Circle with X] CULVERT/WATERBAR 	<ul style="list-style-type: none"> [Line] LIMIT OF DISTURBANCE [Line] BELTED SILT RETENTION FENCE (BSRF) [Line] COMPOST FILTER SOCK [Line] SEDIMENT BARRIER IDENTIFICATION [Line] CULVERT IDENTIFICATION [Line] ORANGE SAFETY FENCE [Line] ROADSIDE DITCH [Line] SOIL TYPE [Line] TYPICAL BIC 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 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.A.5. 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.
--	---	--	---	--

NO.	DATE	CHKD.	APP'D.	DESCRIPTION

20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 3578+00 TO 3632+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:	4/4/17
DRAWN:	JMS
CHECKED:	DLH
APPROVED:	NET

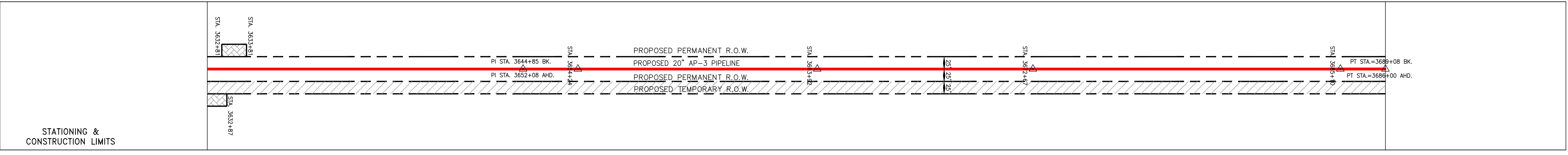
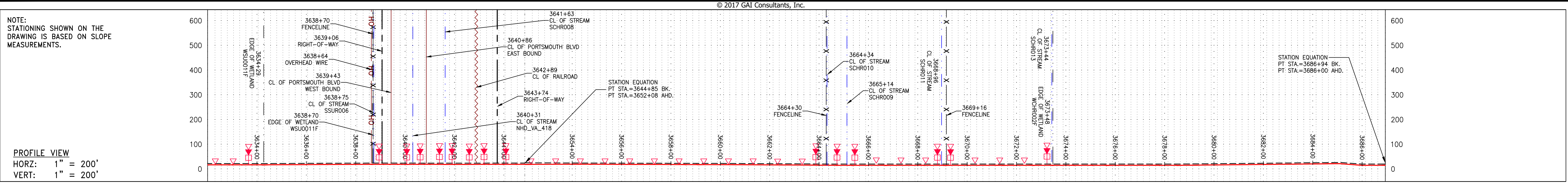
gai consultants

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

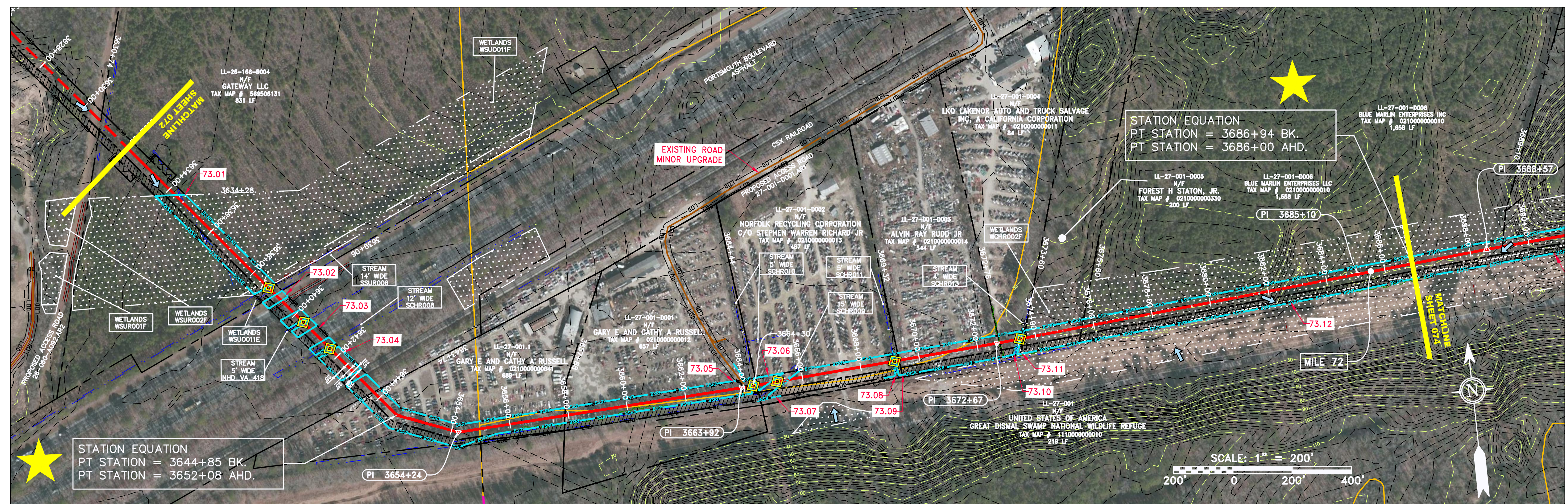
mbe
monah basin engineers

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

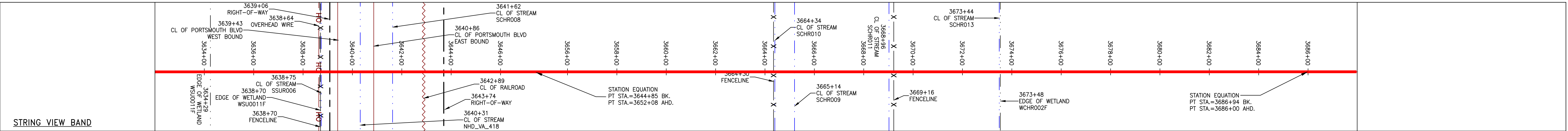
PROJECT NO./DASH NO.	140468	
TASK NO.	SUB TASK NO.	
005	00	
GROUP ID	DRAWING NO.	
D	E072	
072	OF	84



PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP
LL-26-166-8004 N/F GATEWAY LLC TAX MAP # 59590131 830 LF	LL-27-001-1 N/F GARY E AND CATHY A RUSSELL TAX MAP # 021000000041 693 LF	LL-27-001-0001 N/F GARY E AND CATHY A RUSSELL TAX MAP # 021000000012 681 LF	LL-27-001-0002 N/F NORFOLK RECYCLING CORPORATION C/O STEPHEN WARREN RICHARDS JR TAX MAP # 021000000013 510 LF	LL-27-001-0003 N/F ALVIN RAY RUDD JR TAX MAP # 021000000014 565 LF	LL-27-001-0004 N/F LKG LAKENOR AUTO AND TRUCK SALVAGE INC. A CALIFORNIA CORPORATION TAX MAP # 021000000011 82 LF	LL-27-001-0005 N/F FOREST H STATION, JR. TAX MAP # 0210000000330 200 LF	LL-27-001-0006 N/F BLUE MARLIN ENTERPRISES INC TAX MAP # 021000000010 1,658 LF	LL-27-001-0008 N/F BLUE MARLIN ENTERPRISES LLC TAX MAP # 021000000010 1,658 LF



PIPE SPECIFICATION



<p>LEGEND</p> <ul style="list-style-type: none"> --- PROPERTY LINE -X-X- FENCE - - - - - STREAM -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) [Pattern] EXTRA WORK SPACE [Pattern] AREA OF NO DISTURBANCE [Pattern] WETLAND [Pattern] TOPSOIL SEGREGATION AREA [Pattern] PROPOSED TEMPORARY R.O.W. [Symbol] UTILITY POLE 	<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, 11072014. 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 THESE RECORDS AS SHOWN ON THESE DRAWINGS. IMAGERY TAKEN FROM GOOGLE EARTH. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. 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. EXISTING 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.5.5. 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.
--	---

© 2017 GAI Consultants, Inc.

REVISIONS

NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION

Daniel R. Goldstein
Lic. No. 047436

ERM

20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 3632+00 TO 3686+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
724-873-3545

mbe
monahon basin
engineers

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

PROJECT NO./DASH NO.
140468

TASK NO. SUB TASK NO.
005 00

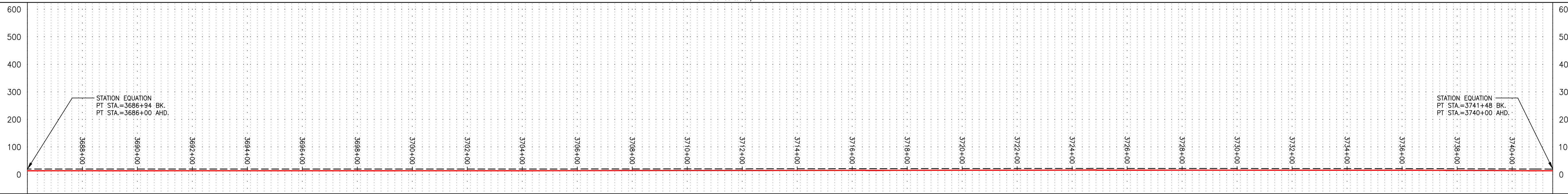
GROUP ID DRAWING NO.
D E073

073 OF 84

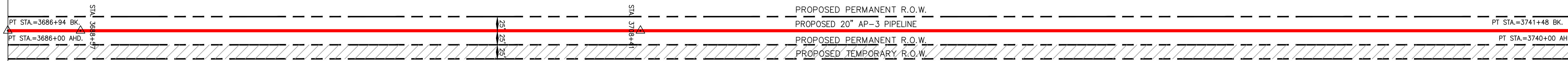
4/17/2017 11:16 AM

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

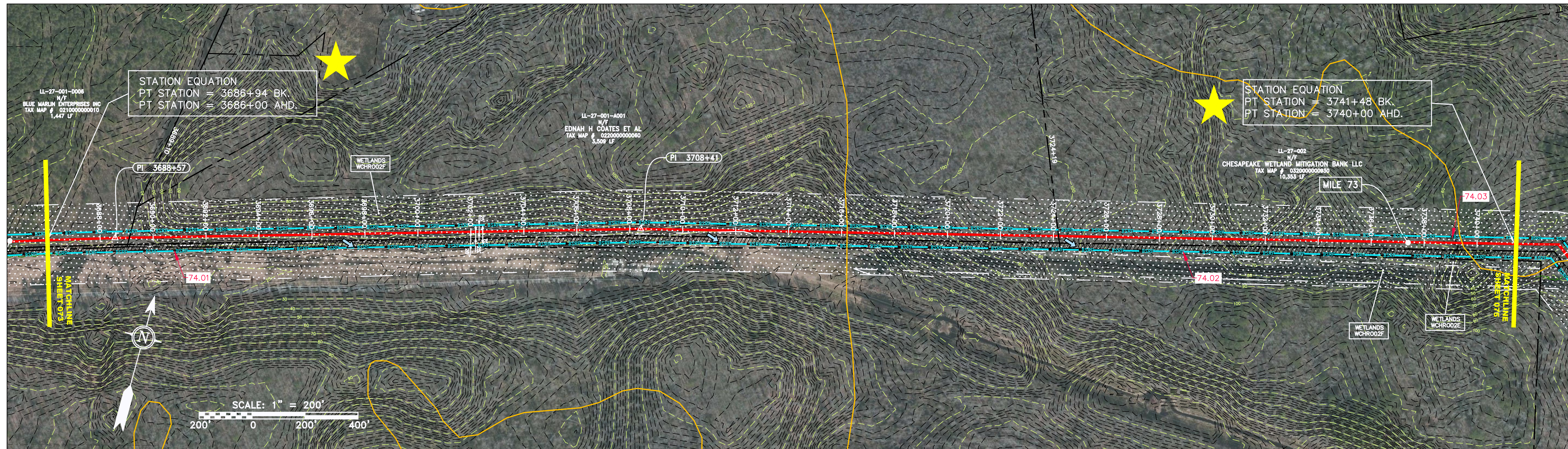
PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



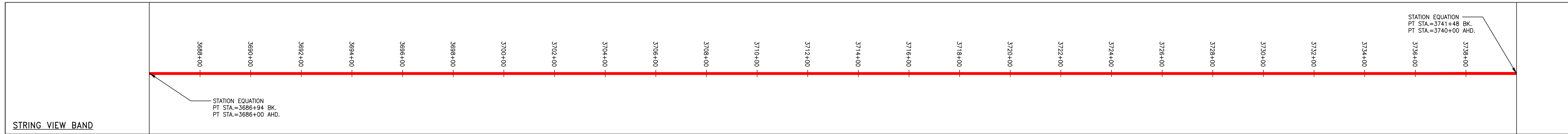
STATIONING &
CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION



LEGEND

- PROPERTY LINE
- X-X- FENCE
- G-G- EXISTING GAS PIPELINE
- OH- OVERHEAD UTILITY LINES
- - - ACCESS ROAD
- - - PROPOSED PERMANENT EASEMENT
- - - PROPOSED PERMANENT R.O.W.
- - - PROPOSED GAS PIPELINE (NO GROUND SURVEY)
- E- 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
- 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
- SEEP
- SLOPE DIRECTION
- CONSTRUCTION ENTRANCE WITH DITCH
- CULVERT AS NEEDED
- CULVERT/WATERBAR
- LIMIT OF DISTURBANCE
- BELTED SILT RETENTION FENCE (BSRF)
- COMPOST FILTER SOCK
- SEDIMENT BARRIER IDENTIFICATION
- CULVERT IDENTIFICATION
- ORANGE SAFETY FENCE
- ROADSIDE DITCH
- SOIL TYPE
- TYPICAL BIC SLOPE CATEGORY
- SLOPE INCLINATION

- 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.
 - 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.4.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.4.5. 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.

NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION



CONSTRUCTION ALIGNMENT STA 3686+00 TO 3740+00
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

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



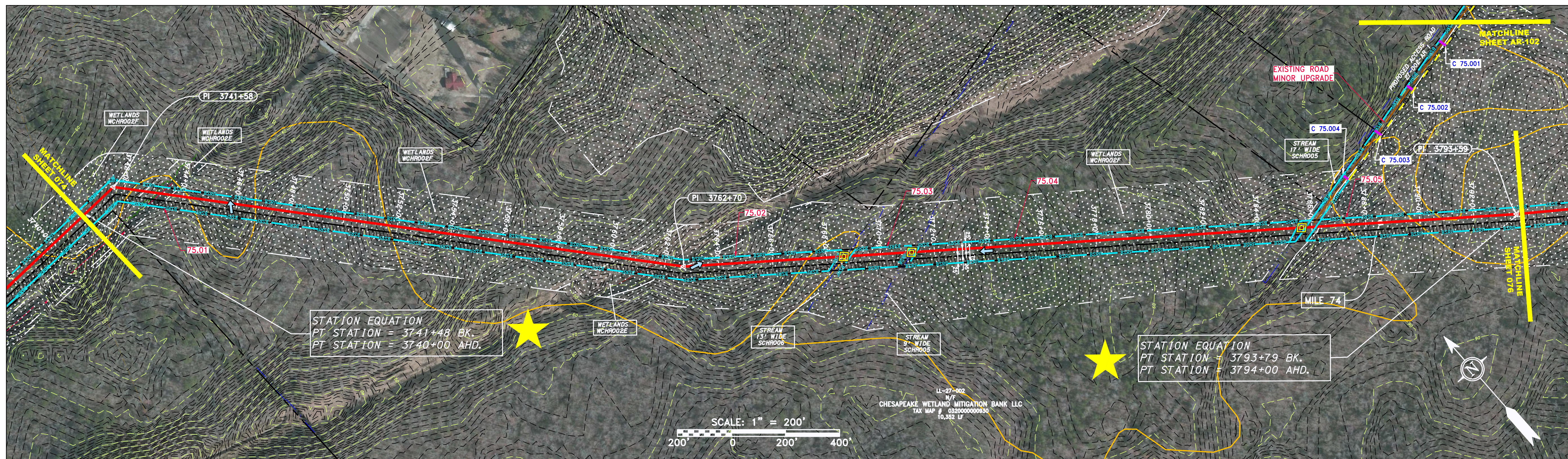
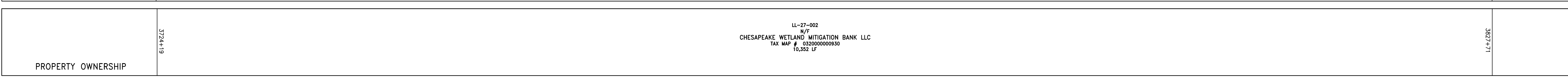
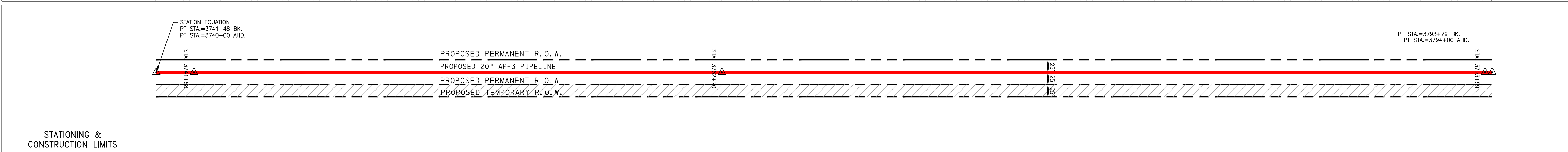
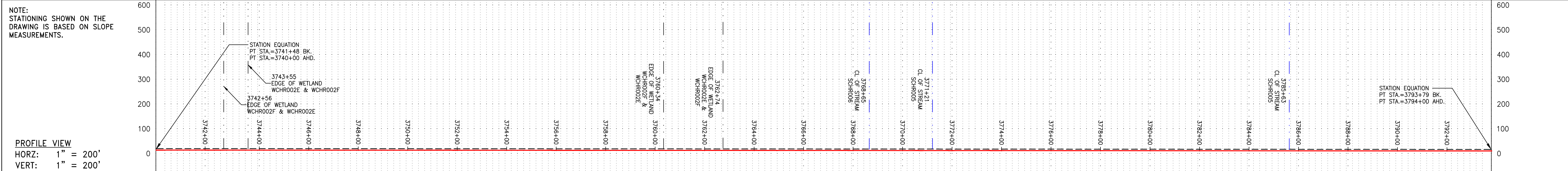
SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-673-3545



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

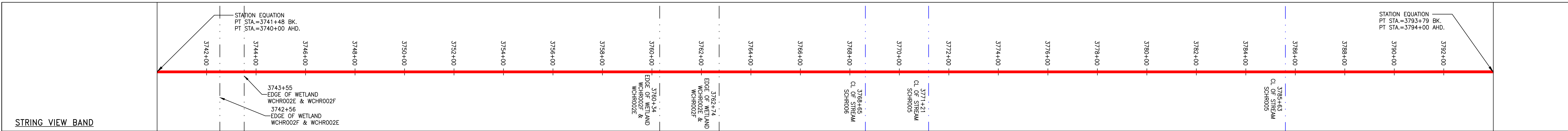
PROJECT NO./DASH NO.	140468	
TASK NO.	SUB TASK NO.	
005	00	
GROUP ID	DRAWING NO.	
D	E074	
074	OF	84

GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS ALIGNMENT SHEETS (2665-7 PLAN SHEETS (72-74).DWG



PIPE SPECIFICATION

PIPE	20" AP-3 PIPELINE
WETLANDS	WCHROO2F
STREAMS	13' WIDE SCHROOBS
ROADS	EXISTING ROAD MINOR UPGRADE
UTILITIES	UNDERGROUND ELECTRIC, WATER LINE, SANITARY SEWER



LEGEND

PROPERTY LINE	STORM SEWER	EXTRA WORK SPACE	TOPSOIL SEGREGATION AREA	PERMANENT WATERBAR/SLOPE BREAKER	LIMIT OF DISTURBANCE
FENCE	UNDERGROUND ELECTRIC	AREA OF NO DISTURBANCE	PROPOSED TEMPORARY R.O.W.	TEMPORARY WATERBAR/SLOPE BREAKER	BELTED SILT RETENTION FENCE (BSRF)
STREAM	WATER LINE	WETLAND	UTILITY POLE	TRENCH BREAKER/PLUG	COMPOST FILTER SOCK
EXISTING GAS PIPELINE	SANITARY SEWER	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).		STREAM CROSSING	SEDIMENT BARRIER IDENTIFICATION
OVERHEAD UTILITY LINES	EDGE OF GRAVEL			USPWS STREAM CROSSING WITH ENHANCED CONTROLS	CULVERT IDENTIFICATION
ACCESS ROAD	PROPOSED PERMANENT EASEMENT			SEEP	ORANGE SAFETY FENCE
PROPOSED GAS PIPELINE	PROPOSED GAS PIPELINE (NO GROUND SURVEY)			SLOPE DIRECTION	ROADSIDE DITCH
				CONSTRUCTION ENTRANCE WITH DITCH	SOIL TYPE
				CULVERT AS NEEDED	TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION
				CULVERT/WATERBAR	

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.
- 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 NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.

REVISIONS

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

Daniel L. Goldstein
 DANIEL L. GOLDSTEIN
 Lic No. 047436

ERM

CONSTRUCTION ALIGNMENT STA 3740+00 TO 3794+00

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

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

gai consultants

SOUTHPOINTE 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

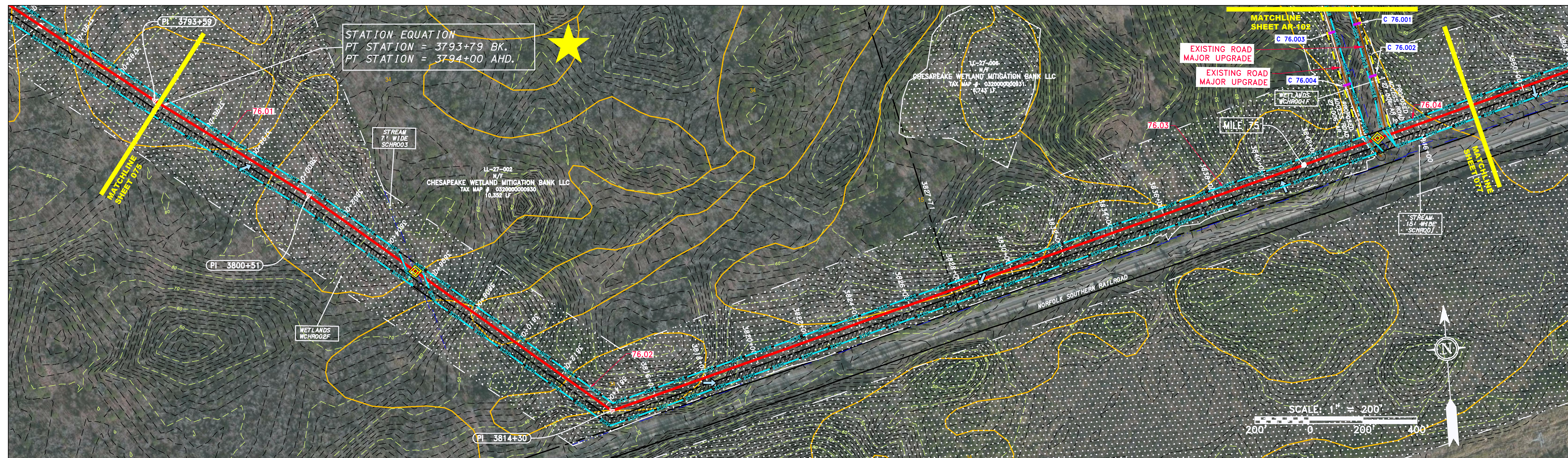
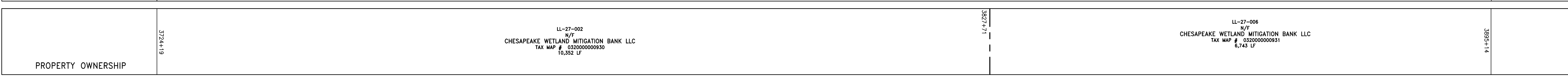
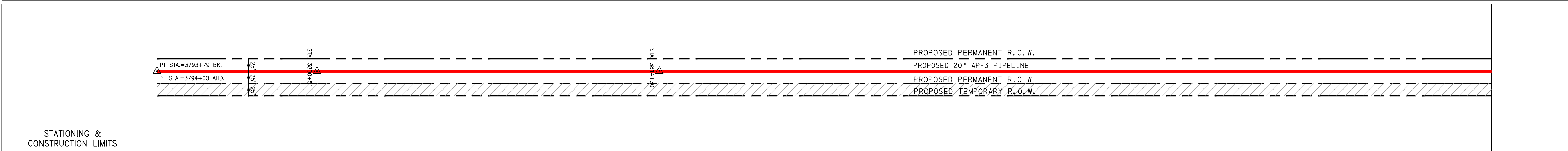
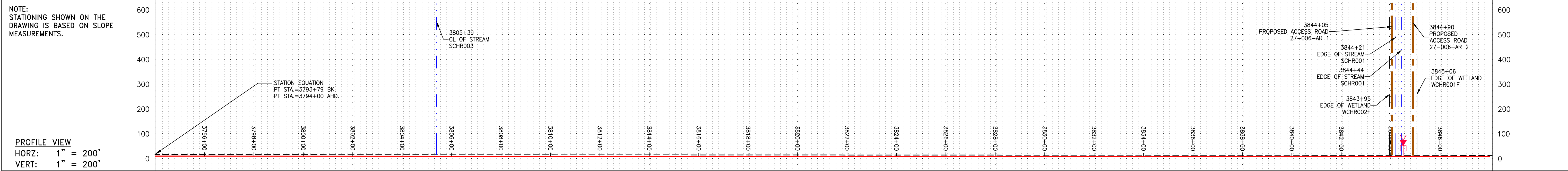
GROUP ID
 D

DRAWING NO.
 E075

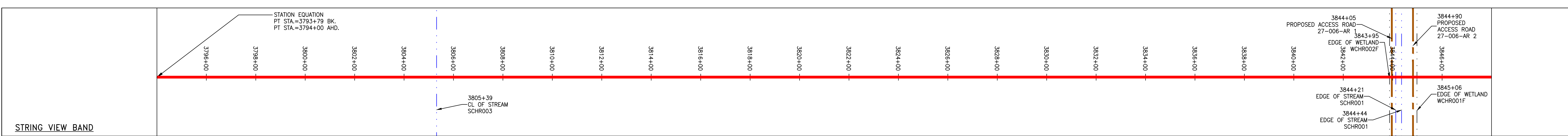
075 OF 84

GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS ALIGNMENT SHEETS 2665-7 PLAN SHEETS (75-77).DWG

4/21/2017 10:56 AM



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 -E- UNDERGROUND ELECTRIC -W- WATER LINE -G- 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 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 [Circle with X] SEEP [Arrow] SLOPE DIRECTION [Arrow] CONSTRUCTION ENTRANCE WITH DITCH [Arrow] CULVERT AS NEEDED [Arrow] CULVERT/WATERBAR [Line] LIMIT OF DISTURBANCE [Line] BELTED SILT RETENTION FENCE (BSRF) [Line] COMPOST FILTER SOCK [Line] SEDIMENT BARRIER IDENTIFICATION [Line] CULVERT IDENTIFICATION [Line] ORANGE SAFETY FENCE [Line] ROADSIDE DITCH [Line] SOIL TYPE [Line] TYPICAL BIC 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 NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.
--	--

NO.	DATE	CHKD.	APPROV.	DESCRIPTION

20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 3794+00 TO 3848+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: 4/21/17
DRAWN: CLM
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

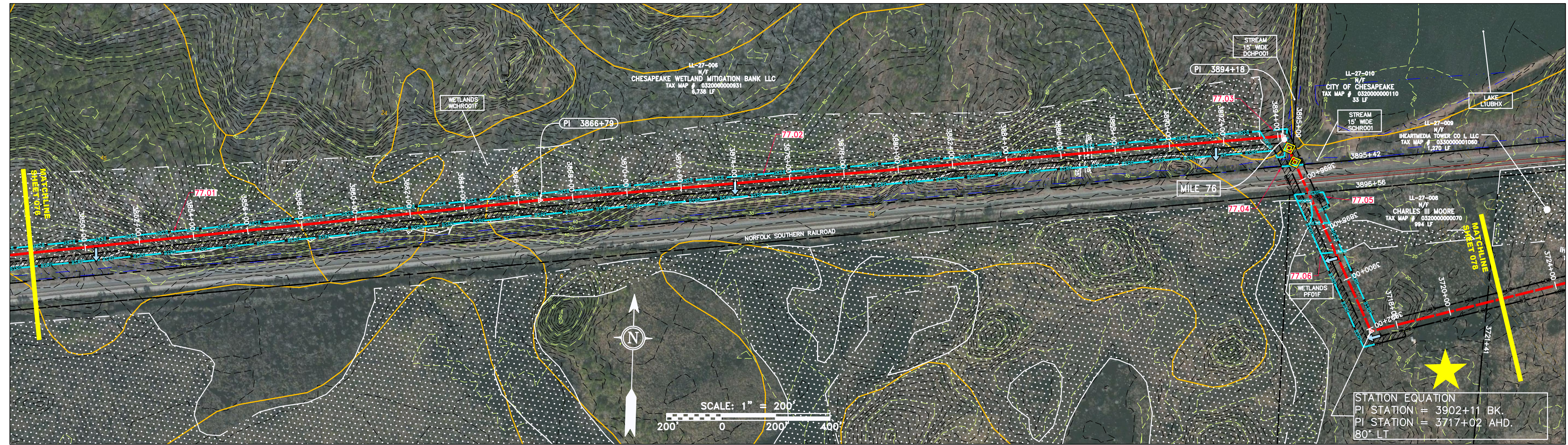
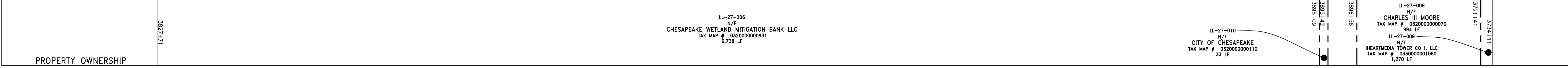
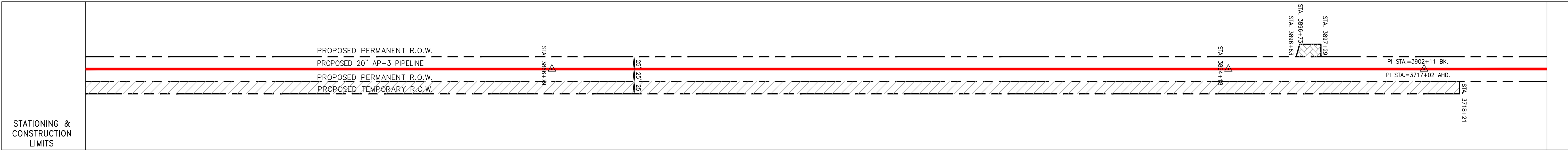
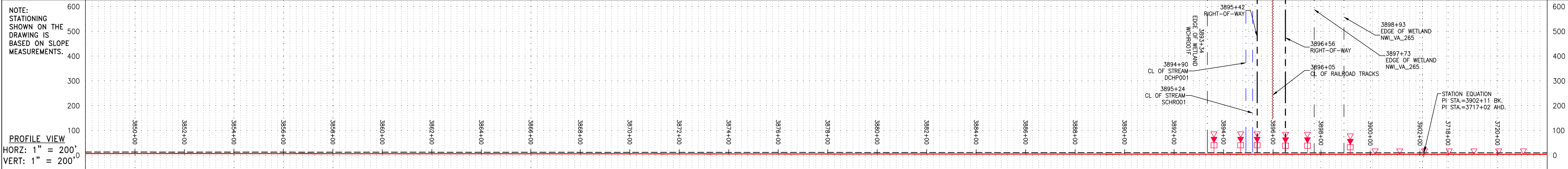
TASK NO.	SUB TASK NO.
005	00

GROUP ID: D DRAWING NO.: E076

076 OF 84

4/21/2017 1:15 PM

GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS ALIGNMENT SHEETS (2665-7 PLAN SHEETS (75-77).DWG



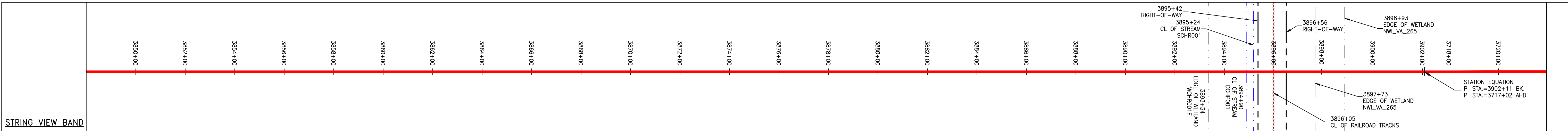
NO.	DATE	BY	CHKD.	APPROV.	DESCRIPTION

CONSTRUCTION ALIGNMENT STA 3848+00 TO 3722+00

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

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 - - - STORM SEWER -W- WATER LINE -SAN- SANITARY SEWER - - - EDGE OF GRAVEL - - - PROPOSED PERMANENT EASEMENT - - - PROPOSED GAS PIPELINE (NO GROUND SURVEY) 	<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 	<ul style="list-style-type: none"> PERMANENT WATERBAR/SLOPE BREAKER TEMPORARY WATERBAR/SLOPE BREAKER TRENCH BREAKER/PLUG STREAM CROSSING USFPWS STREAM CROSSING WITH ENHANCED CONTROLS SEEP SLOPE DIRECTION CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED CULVERT/ WATERBAR 	<ul style="list-style-type: none"> L00 111.03 C 111.001 SOIL TYPE 30-58% TYPICAL BIC 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, U 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. 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) STEP 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% SLOPES AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEP SLOPES 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.5.5. 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.
--	--	--	---	---

GAI CAD FILE NO. 2665 - GAI WORK ORDER 07 - SOUTHEAST PIPELINE (SECTION 8) 3 - CAD DRAWINGS ALIGNMENT SHEETS (2665-7 PLAN SHEETS (75-77).DWG

gai consultants

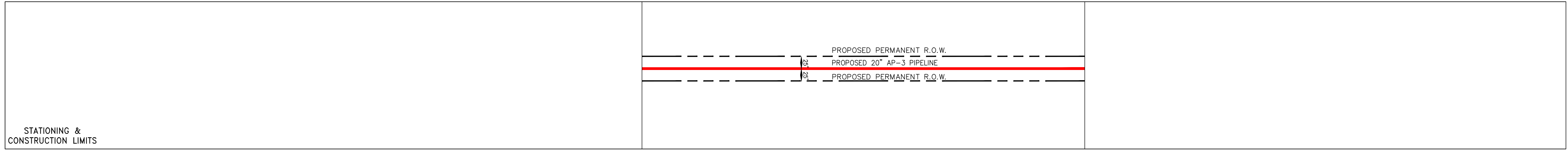
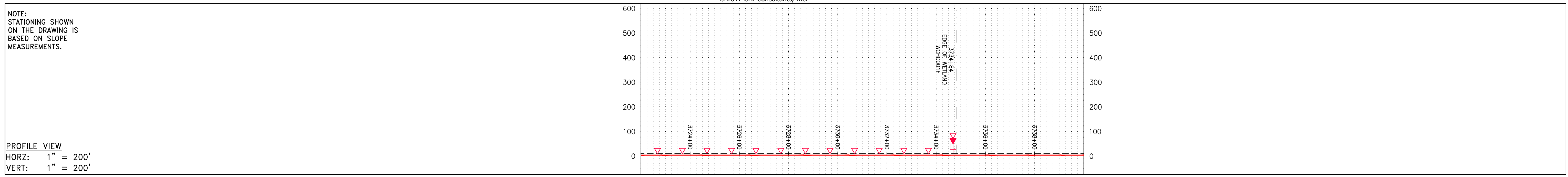
SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-673-3545

mbe monaloh basin engineers

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

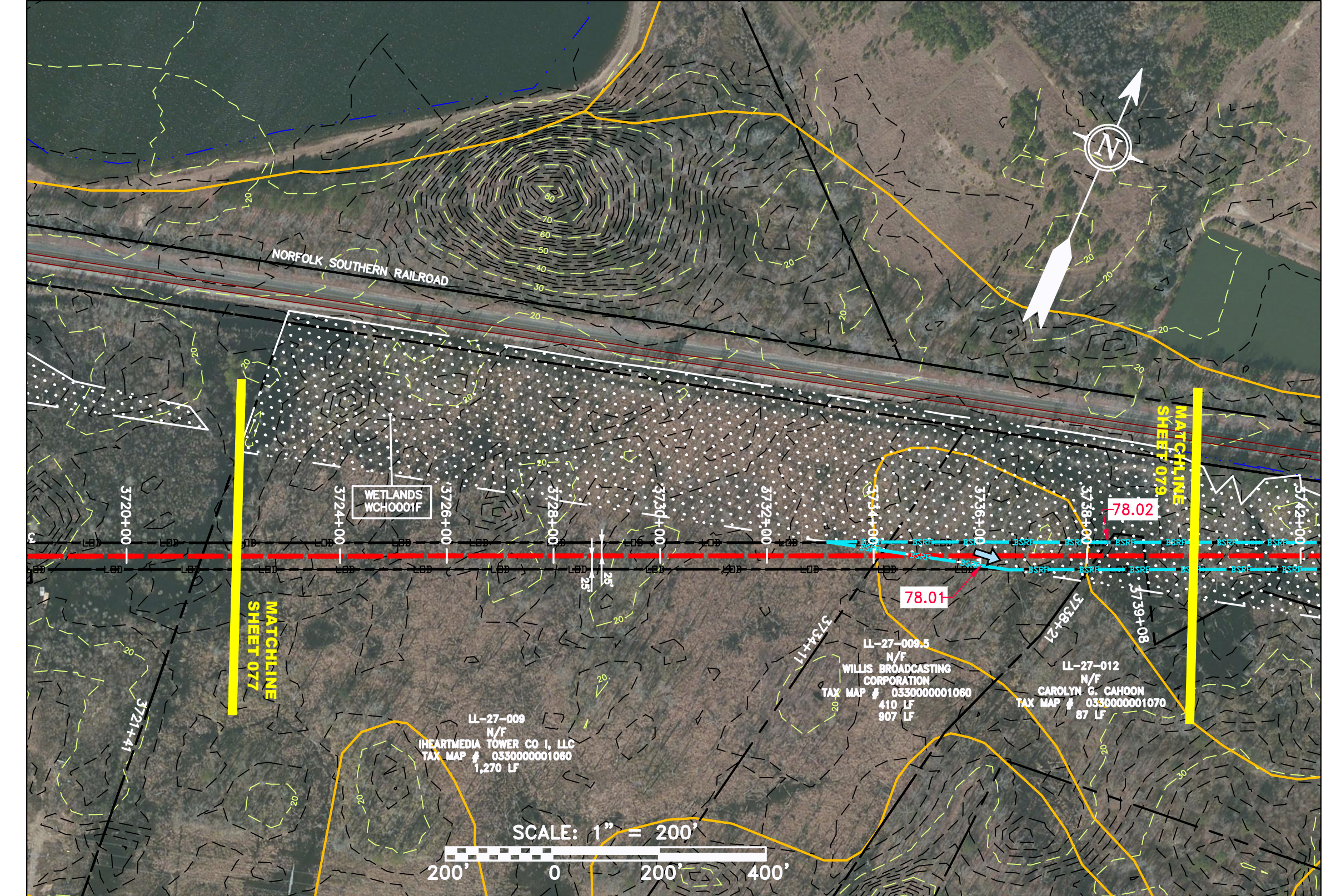
PROJECT NO./DASH NO.	140468
TASK NO.	005
SUB TASK NO.	00
GROUP ID	D
DRAWING NO.	E077
077 OF 84	

4/17/2017 2:13 PM



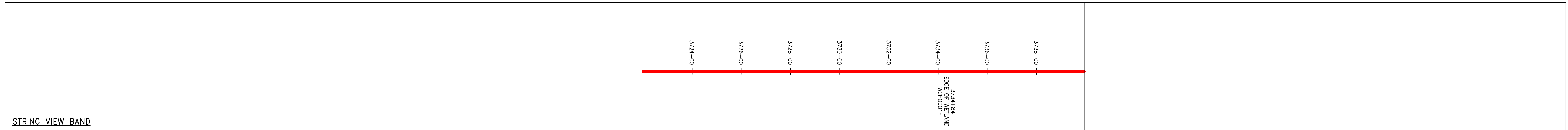
PROPERTY OWNERSHIP

3721+41	LL-27-009 N/F CLEAR CHANNEL REAL ESTATE INC TAX MAP # 033000001080 1,270 LF	3734+11	LL-27-009.5 N/F WILLIS BROADCASTING CORPORATION TAX MAP # 033000001060 410 LF	3738+21	LL-27-012 N/F CAROLYN G. CAHOON TAX MAP # 033000001070 87 LF	3739+08	LL-27-009.5 N/F WILLIS BROADCASTING CORPORATION TAX MAP # 033000001060 807 LF	3741+80
---------	---	---------	---	---------	--	---------	---	---------



PIPE SPECIFICATION

3724+00	3728+00	3732+00	3736+00	3738+00
---------	---------	---------	---------	---------



LEGEND

<ul style="list-style-type: none"> PROPERTY LINE FENCE STREAM EXISTING GAS PIPELINE OVERHEAD UTILITY LINES ACCESS ROAD PROPOSED GAS PIPELINE PROPOSED GAS PIPELINE (NO GROUND SURVEY) 	<ul style="list-style-type: none"> STORM SEWER UNDERGROUND ELECTRIC WATER LINE SANITARY SEWER EDGE OF GRAVEL PROPOSED PERMANENT EASEMENT 	<ul style="list-style-type: none"> EXTRA WORK SPACE AREA OF NO DISTURBANCE WETLAND 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 USPWS STREAM CROSSING WITH ENHANCED CONTROLS SEEP SLOPE DIRECTION CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED CULVERT/WATERBAR 	<ul style="list-style-type: none"> L00 111.03 C 111.00 111.01 30-58% 	<ul style="list-style-type: none"> LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF) COMPOST FILTER SOCK SEDIMENT BARRIER IDENTIFICATION CULVERT IDENTIFICATION ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION
---	--	--	--	---	---

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.
- 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.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- 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 SLOPES BAND.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS MINOR IMPROVEMENTS, 2) 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.4.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.4.5. 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.

NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).

REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

DANIEL R. GOLDSTEIN
Lic. No. 047436

ERM

20" AP-3 PIPELINE
CONSTRUCTION ALIGNMENT STA 3722+00 TO 3740+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: MPC
CHECKED: DLH
APPROVED: NET

gai consultants

SOUTHPOINT OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-273-3545

mbe
monahon basin engineers

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

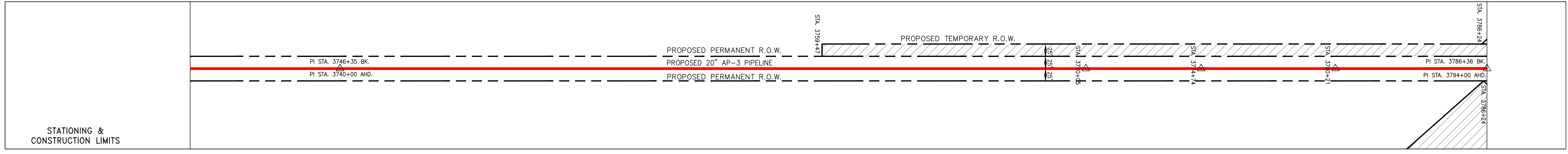
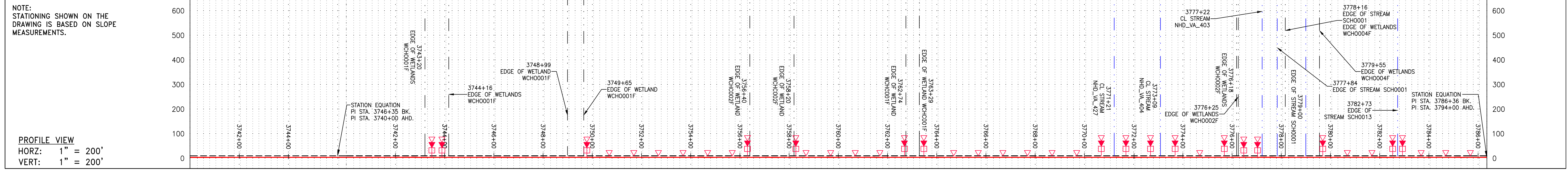
PROJECT NO./DASH NO.
140468

TASK NO.	SUB TASK NO.
005	00

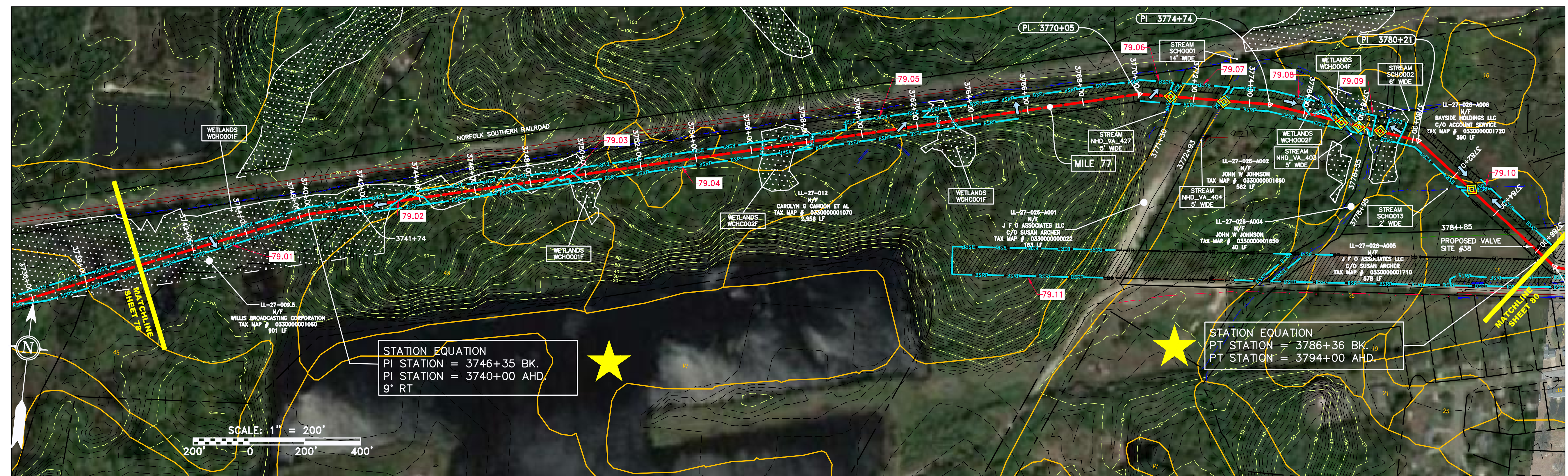
GROUP ID: D DRAWING NO.: E078

078 OF 84

3/29/2017 2:44 PM



PROPERTY OWNERSHIP	STATIONING
LL-27-009.5 N/F WILLIS BROADCASTING CORPORATION TAX MAP # 033000001060 901 LF	3742+00 to 3744+74
LL-27-012 N/F CAROLYN O GANON ET AL TAX MAP # 033000001070 2,956 LF	3744+74 to 3771+30
LL-27-026-A001 N/F J F O ASSOCIATES LLC C/O SUSAN ARCHER TAX MAP # 033000000022 163 LF	3771+30 to 3772+93
LL-27-026-A002 N/F JOHN W JOHNSON TAX MAP # 033000001680 562 LF	3772+93 to 3778+95
LL-27-026-A004 N/F JOHN W JOHNSON TAX MAP # 033000001650 40 LF	3778+95 to 3784+85
LL-27-026-A006 N/F BAYSIDE HOLDINGS LLC C/O ACCOUNT SERVICES TAX MAP # 033000001720 590 LF	3784+85 to 3786+24
LL-27-026-A005 N/F J F O ASSOCIATES LLC C/O SUSAN ARCHER TAX MAP # 033000001710 578 LF	3786+24 to 3794+00



NO.	DATE	CHKD.	APPROV.	DESCRIPTION

CONSTRUCTION ALIGNMENT STA 3740+00 TO 3794+00
CITY OF CHESAPEAKE, VIRGINIA

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

Daniel R. Goldstein
Lic. No. 047436
PROFESSIONAL ENGINEER

ERM

SCALE:	AS SHOWN
DATE:	3/23/17
DRAWN:	NSD
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 / E079
079	OF	84

PIPE SPECIFICATION

STRING VIEW BAND

LEGEND

--- PROPERTY LINE	--- STORM SEWER	EXTRA WORK SPACE	TOPSOIL SEGREGATION AREA
-X-X- FENCE	-E- UNDERGROUND ELECTRIC	AREA OF NO DISTURBANCE	PROPOSED TEMPORARY R.O.W.
-G-G- EXISTING GAS PIPELINE	-W- WATER LINE	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	UTILITY POLE
-OH- OVERHEAD UTILITY LINES	-SAN- SANITARY SEWER	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).	
-A- ACCESS ROAD	-E- EDGE OF GRAVEL		
-G- PROPOSED GAS PIPELINE	-E- PROPOSED PERMANENT EASEMENT		
	-E- PROPOSED GAS PIPELINE (NO GROUND SURVEY)		

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. SURVEY FOOT, CENTRAL MERIDIAN 81° 11'07.2014.
- THE PROPERTY LINES SHOWN ARE BASED ON 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.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- 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 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.5.5. 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.

