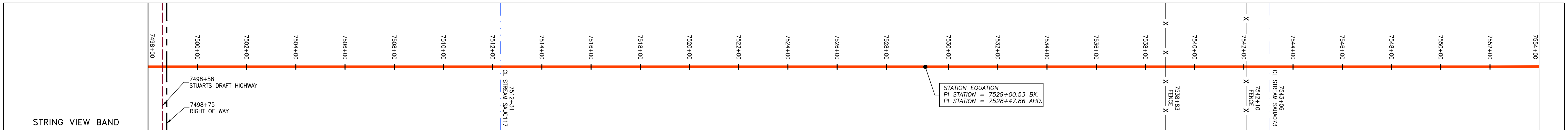


PIPE SPECIFICATION

7498+00	7500+00	7502+00	7504+00	7506+00	7508+00	7510+00	7512+00	7514+00	7516+00	7518+00	7520+00	7522+00	7524+00	7526+00	7528+00	7530+00	7532+00	7534+00	7536+00	7538+00	7540+00	7542+00	7544+00	7546+00	7548+00	7550+00	7552+00	7554+00
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LEGEND

	PROPERTY LINE		STORM SEWER
	FENCE		WATER LINE
	STREAM		SANITARY SEWER
	EXISTING GAS PIPELINE		EDGE OF GRAVEL
	OVERHEAD UTILITY LINES		PROPOSED PERMANENT EASEMENT
	PROPOSED GAS PIPELINE		UTILITY POLE
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		

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

- 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 BY AN ON THE GROUND SURVEY PERFORMED BY THE THRASHER GROUP, INC. ON 06-25-2014 THRU 08-26-2014 GPS SUB-METER ACCURACY.
 - AERIAL IMAGERY IS TAKEN FROM A SPRING 2015 FLIGHT BY KUCERA INTERNATIONAL INC.
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 - THESE DRAWINGS ARE NOT INTENDED TO PROVIDE EROSION AND SEDIMENTATION CONTROL REQUIREMENTS. SEE EROSION AND SEDIMENTATION CONTROL PLANS FOR COMPLETE REQUIREMENTS AND BMP LOCATIONS.
 - ALL STATIONING SHOWN IS SLOPE STATIONING.

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 3\RR SHEETS 185-188 (42-45).DWG

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION

7/12/16

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 7498+00 TO 7554+00
AUGUSTA COUNTY, VIRGINIA
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
445 WEST MAIN STREET
CLARKSBURG, WEST VIRGINIA, 26301

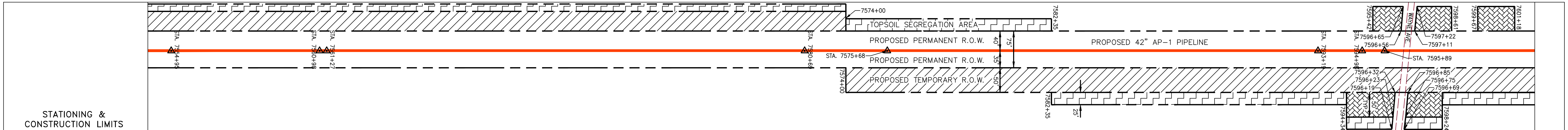
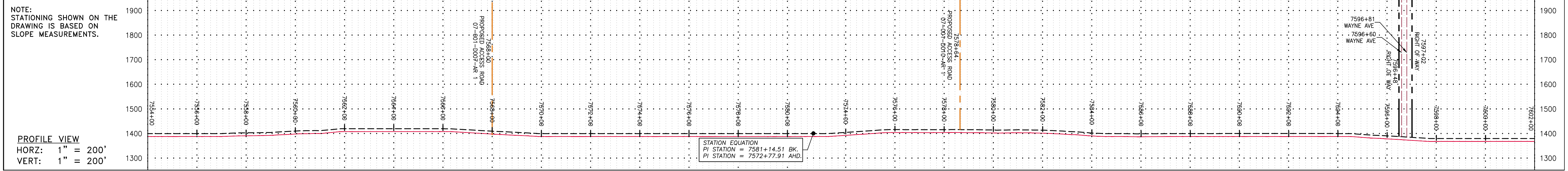
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DATE:	02/29/16
DRAWN:	GPT
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APPROVED:	NET



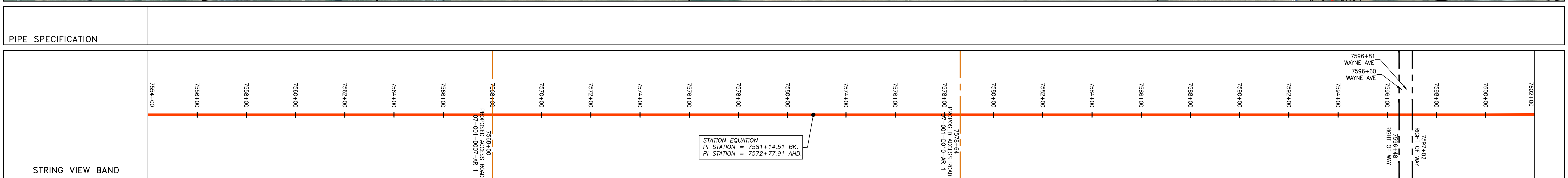
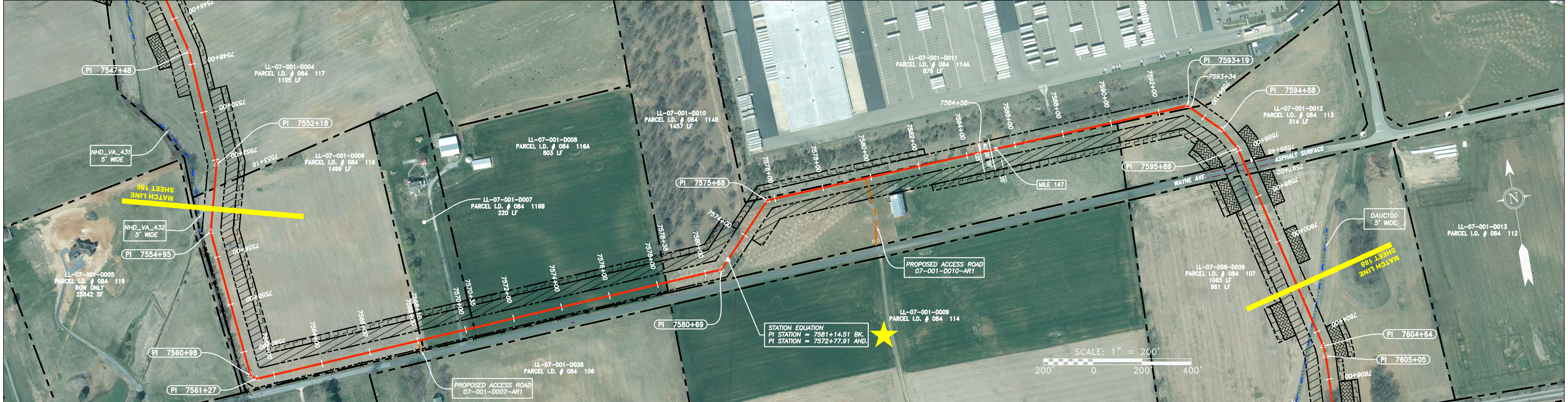
PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E186
186	OF	344

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY_DRAWING\SEC 3\RR SHEETS 185-188 (42-45).DWG

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PROPERTY OWNERSHIP
LL-07-001-D005 PARCEL I.D. # 084 119 ROW ONLY 25842 SF
LL-07-001-D006 PARCEL I.D. # 084 116 1499 LF
LL-07-001-D007 PARCEL I.D. # 084 118B 220 LF
LL-07-001-D008 PARCEL I.D. # 084 116A 803 LF
LL-07-001-D010 PARCEL I.D. # 084 114B 1457 LF
LL-07-001-D011 PARCEL I.D. # 084 114A 876 LF
LL-07-001-D012 PARCEL I.D. # 084 113 314 LF
LL-07-058-D039 PARCEL I.D. # 084 107 1065 LF



LEGEND	
	PROPERTY LINE
	FENCE
	STREAM
	EXISTING GAS PIPELINE
	OVERHEAD UTILITY LINES
	PROPOSED GAS PIPELINE
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
	STORM SEWER
	WATER LINE
	SANITARY SEWER
	EDGE OF GRAVEL
	PROPOSED PERMANENT EASEMENT
	UTILITY POLE

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

- NOTES:**
- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W
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 - ALL STATIONING SHOWN IS SLOPE STATIONING.

NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION

7/13/16

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 7554+00 TO 7602+00
AUGUSTA COUNTY, VIRGINIA
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
445 WEST MAIN STREET
CLARKSBURG, WEST VIRGINIA 26301

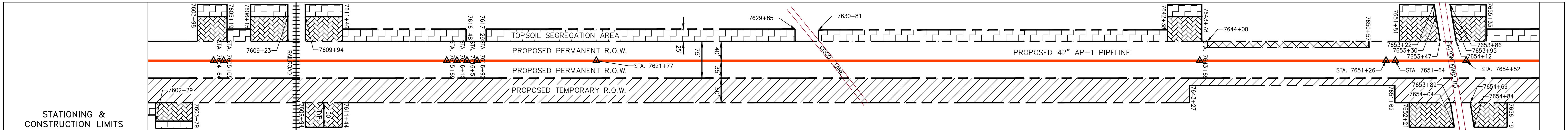
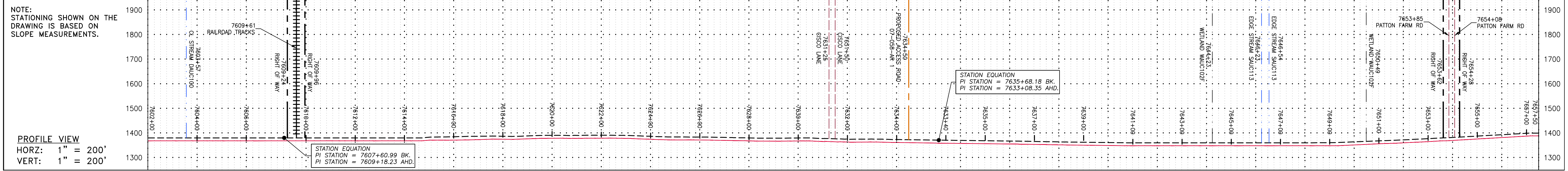
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 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET



PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E187
187 OF 344		

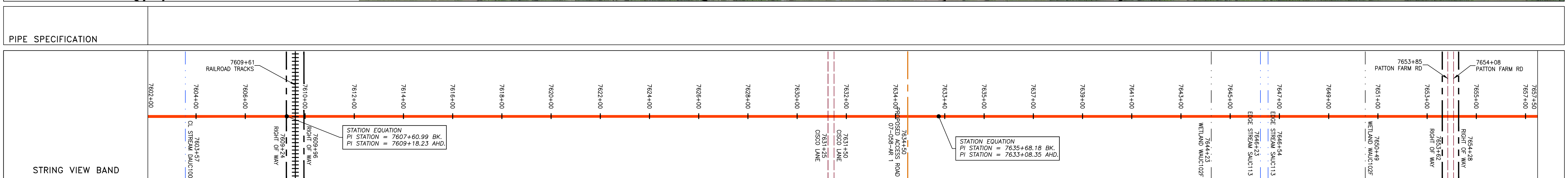
GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 3\RR SHEETS 185-188 (42-45).DWG

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PROPERTY OWNERSHIP

LL-07-058-0039 PARCEL I.D. # 084 107 1065 LF	LL-07-058-0039 PARCEL I.D. # 084 107 981 LF	LL-07-058-0040 PARCEL I.D. # 084 108A 1145 LF	LL-07-001-A001 PARCEL I.D. # 084 108J 1793 LF	LL-07-058-A002 PARCEL I.D. # 084 81 707 LF	LL-07-058-0042 PARCEL I.D. # 085 4 314 LF	LL-07-058-0042 PARCEL I.D. # 085 4 314 LF	LL-07-058-A003 PARCEL I.D. # 085 12 1988 LF
--	---	---	---	--	---	---	---



LEGEND

	PROPERTY LINE		STORM SEWER		PROPOSED TEMPORARY R.O.W.
	FENCE		WATER LINE		EXTRA WORK SPACE
	STREAM		SANITARY SEWER		WETLAND
	EXISTING GAS PIPELINE		EDGE OF GRAVEL		TOPSOIL SEGREGATION AREA
	OVERHEAD UTILITY LINES		PROPOSED PERMANENT EASEMENT		AREA OF NO DISTURBANCE
	PROPOSED GAS PIPELINE		UTILITY POLE		
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)				

- NOTES:
- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W
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 - ALL STATIONING SHOWN IS SLOPE STATIONING.

REVISIONS

NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION

7/13/16

42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA 7602+00 TO 7657+50
 AUGUSTA COUNTY, VIRGINIA

ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 445 WEST MAIN STREET
 CLARKSBURG, WEST VIRGINIA, 26301

SCALE: AS SHOWN
 DATE: 07/22/16
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET

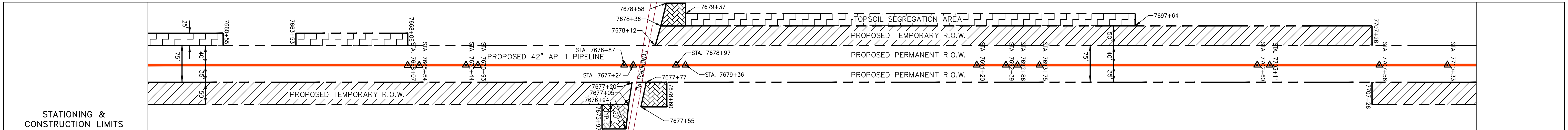
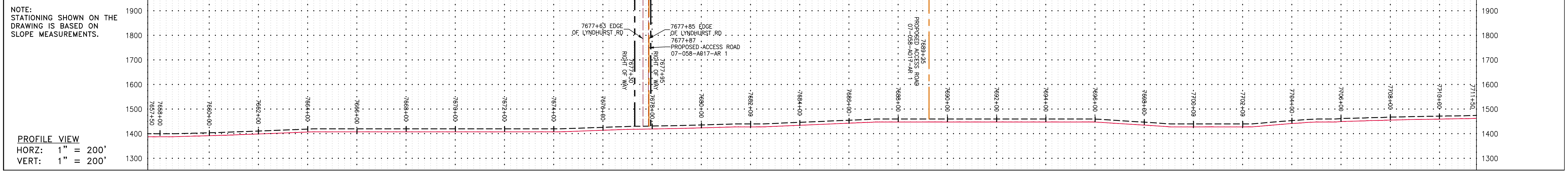


PROJECT NO./DASH NO.
140468

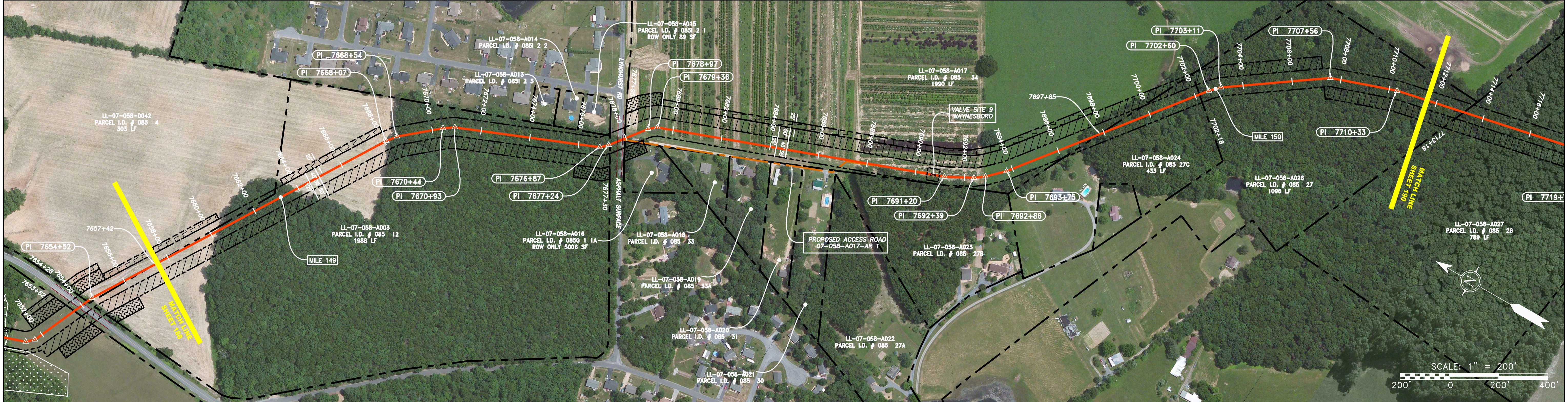
TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
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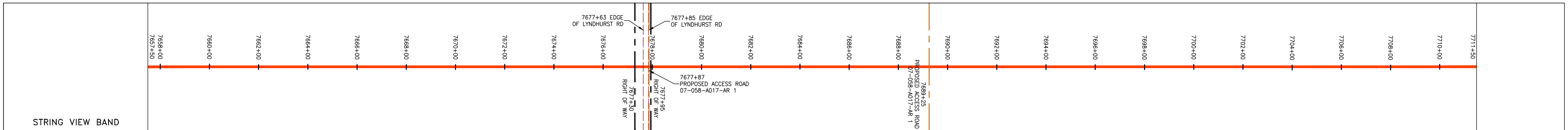
188 OF 344



PROPERTY OWNERSHIP
LL-07-058-A003 PARCEL I.D. # 085 12 1988 LF
LL-07-058-A016 PARCEL I.D. # 085 1A ROW ONLY 5006 SF
LL-07-058-A017 PARCEL I.D. # 085 34 1990 LF
LL-07-058-A024 PARCEL I.D. # 085 27C 433 LF
LL-07-058-A026 PARCEL I.D. # 085 27 1096 LF



PIPE SPECIFICATION
PROPOSED 42" AP-1 PIPELINE



LEGEND	
	PROPERTY LINE
	FENCE
	STREAM
	EXISTING GAS PIPELINE
	OVERHEAD UTILITY LINES
	PROPOSED GAS PIPELINE
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
	STORM SEWER
	WATER LINE
	SANITARY SEWER
	EDGE OF GRAVEL
	PROPOSED PERMANENT EASEMENT
	UTILITY POLE

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

- NOTES:**
- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W
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 - ALL STATIONING SHOWN IS SLOPE STATIONING.

REVISIONS	
NO.	DATE

7/20/16

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 7657+50 TO 7711+50
AUGUSTA COUNTY, VIRGINIA
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
445 WEST MAIN STREET
CLARKSBURG, WEST VIRGINIA, 26301

SCALE:	AS SHOWN
DATE:	07/22/16
DRAWN:	GPT
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APPROVED:	NET

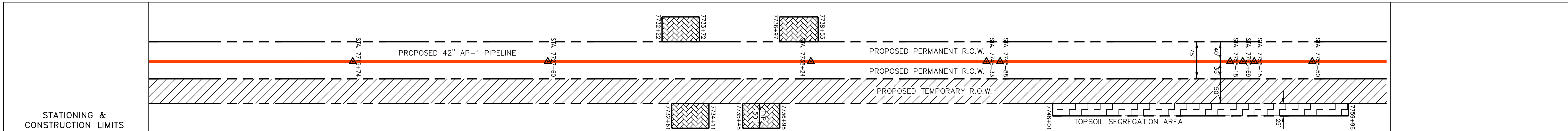
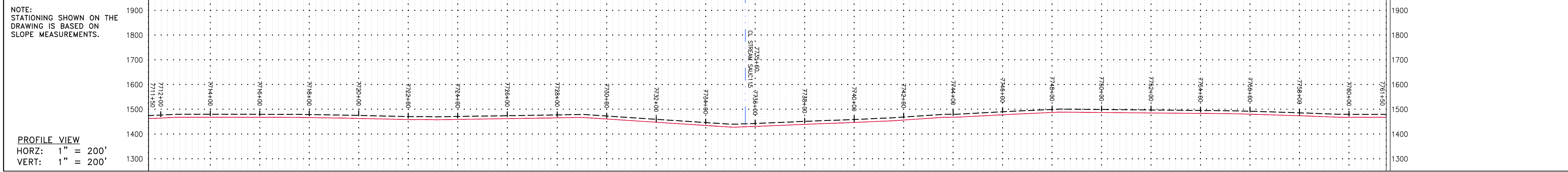


SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
CANONSBURG, PA 15317
724-873-3545

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E189
189 OF 344	

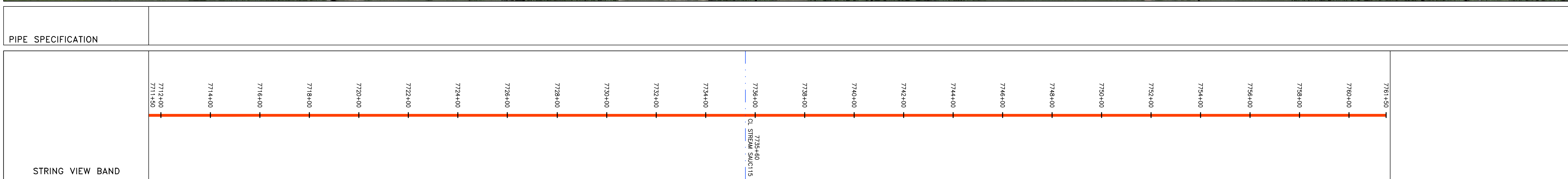
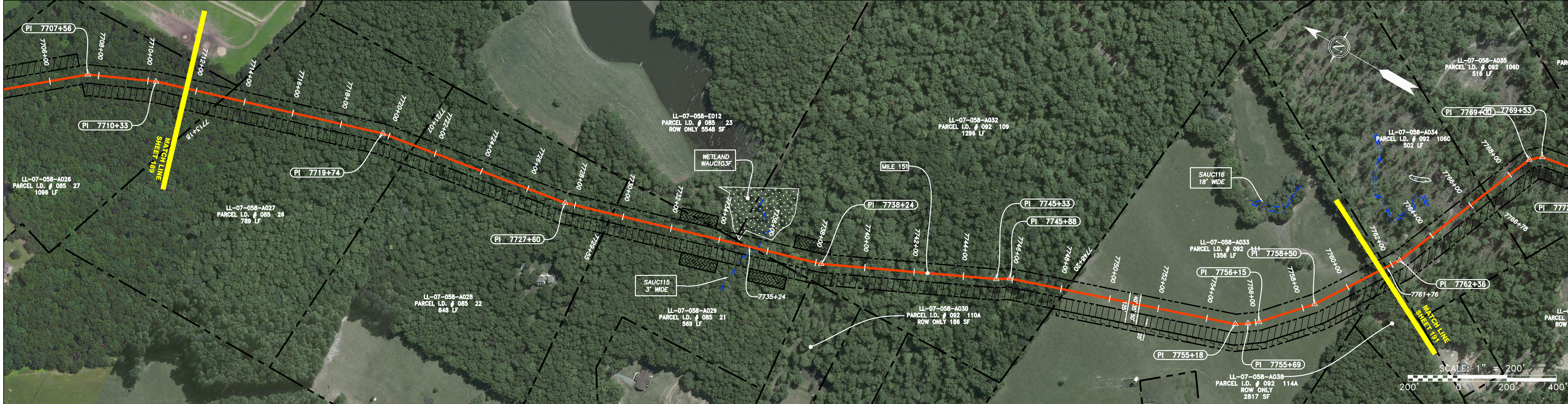
GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY_DRAWING\SEC 3\RR SHEETS 189-192 (46-50).DWG

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PROPERTY OWNERSHIP

LL-07-058-A026 PARCEL I.D. # 085 27 1096 LF	LL-07-058-A027 PARCEL I.D. # 085 26 789 LF	LL-07-058-A028 PARCEL I.D. # 085 22 848 LF	LL-07-058-A029 PARCEL I.D. # 085 21 569 LF	LL-07-058-E012 PARCEL I.D. # 085 23 ROW ONLY 5546 SF	LL-07-058-A030 PARCEL I.D. # 092 110A ROW ONLY 186 SF	LL-07-058-A032 PARCEL I.D. # 092 109 1296 LF	LL-07-058-A033 PARCEL I.D. # 092 111 1356 LF	LL-07-058-A038 PARCEL I.D. # 092 114A ROW ONLY 2817 SF
---	--	--	--	--	---	--	--	--



LEGEND

	PROPERTY LINE		STORM SEWER
	FENCE		WATER LINE
	STREAM		SANITARY SEWER
	EXISTING GAS PIPELINE		EDGE OF GRAVEL
	OVERHEAD UTILITY LINES		PROPOSED PERMANENT EASEMENT
	PROPOSED GAS PIPELINE		UTILITY POLE
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		

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

- NOTES:
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NO.	DATE	BY	CHKD.	APPVD.	DESCRIPTION

7/19/16

42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA 7711+50 TO 7761+50
 AUGUSTA COUNTY, VIRGINIA

ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 445 WEST MAIN STREET
 CLARKSBURG, WEST VIRGINIA 26301

SCALE: AS SHOWN
 DATE: 07/22/16
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET

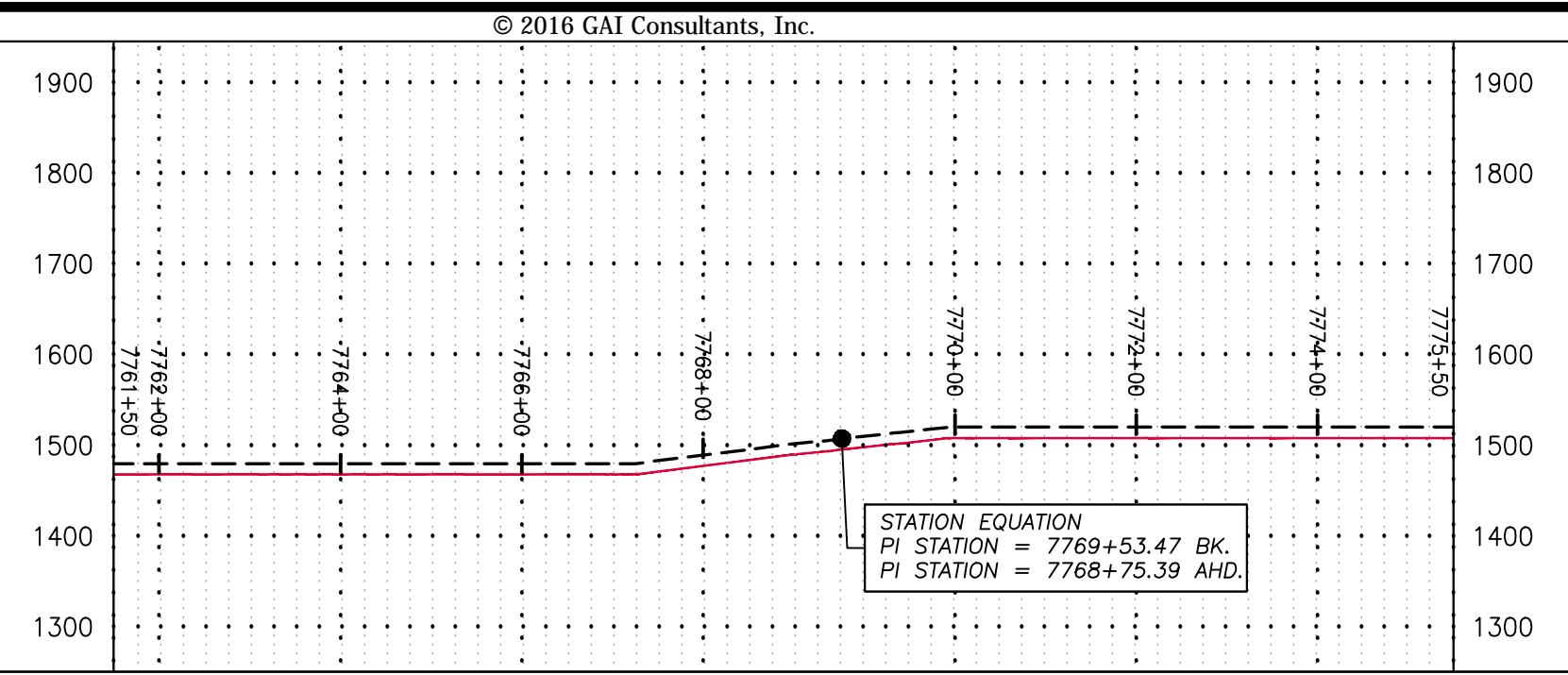


PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E190
190 OF 344		

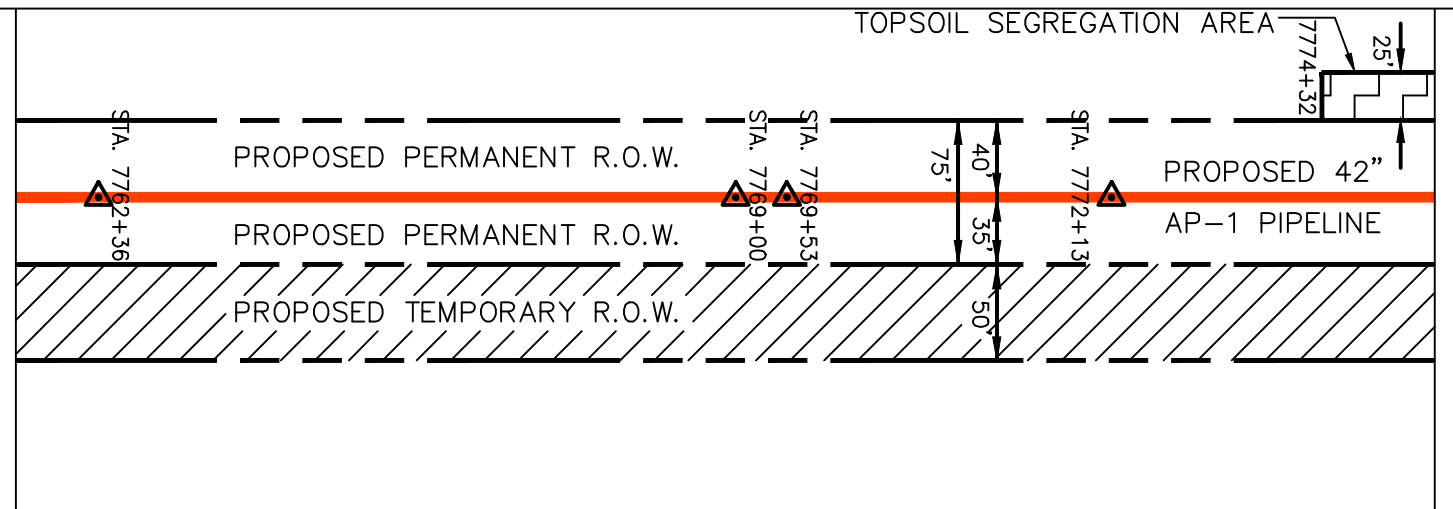
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NOTE:
STATIONING SHOWN ON THE
DRAWING IS BASED ON
SLOPE MEASUREMENTS.

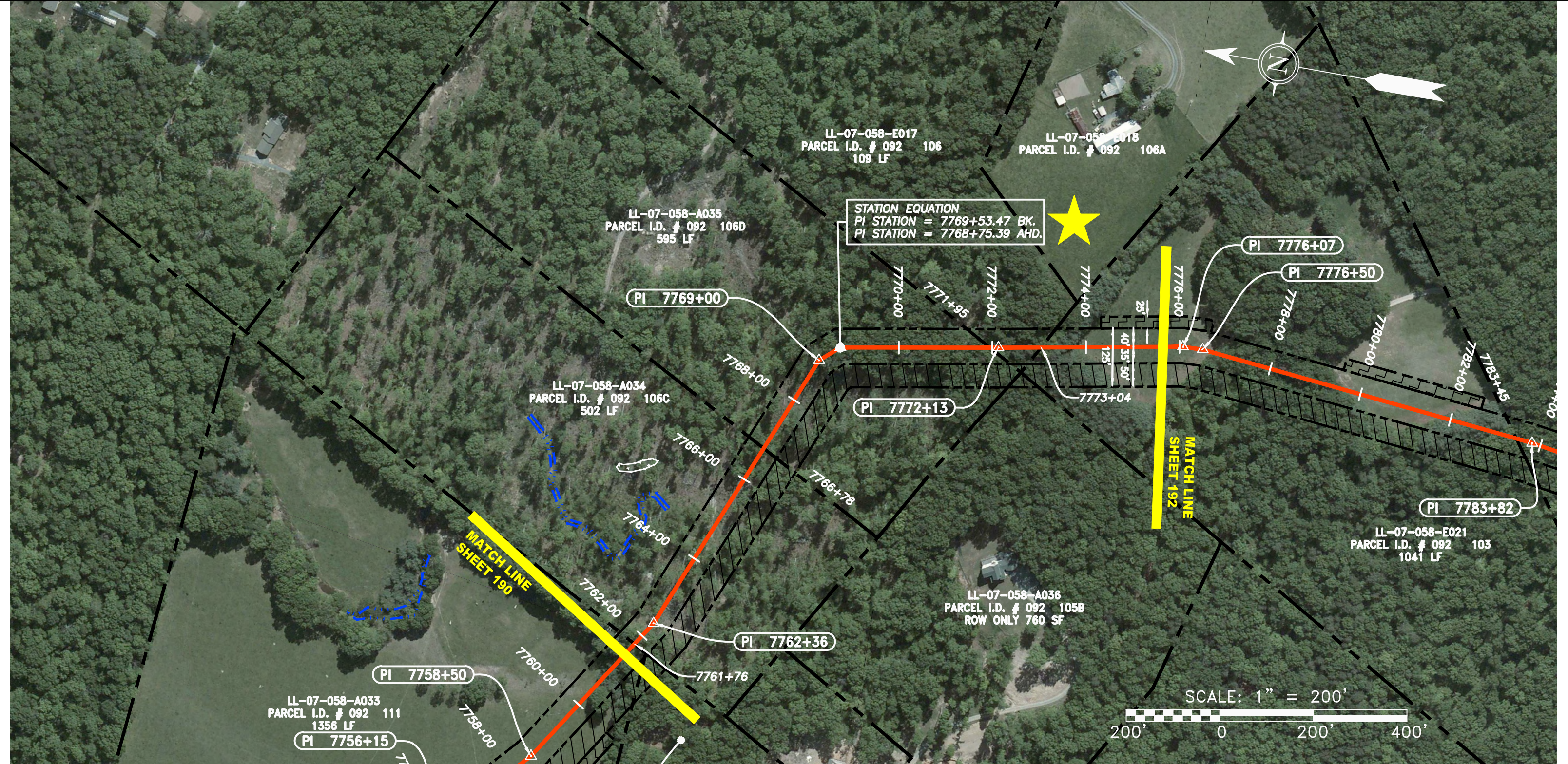
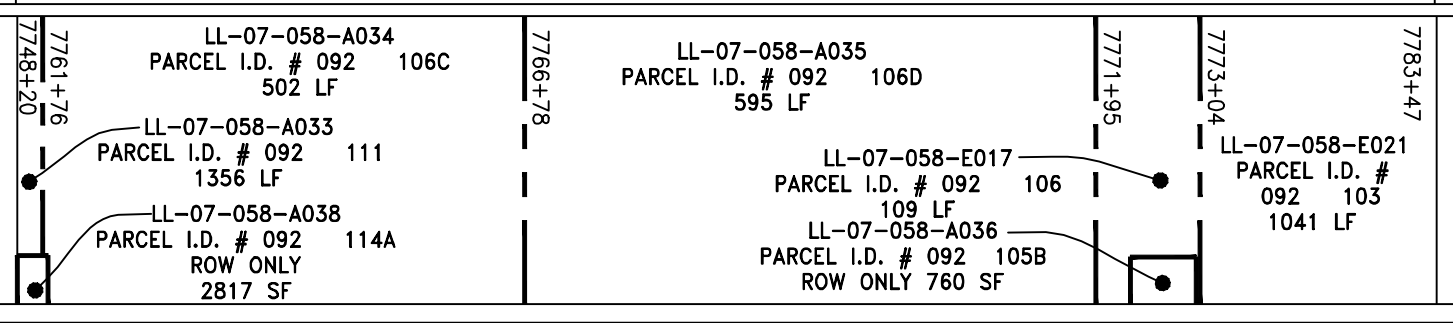
PROFILE VIEW
HORZ: 1" = 200'
VERT: 1" = 200'



STATIONING &
CONSTRUCTION LIMITS

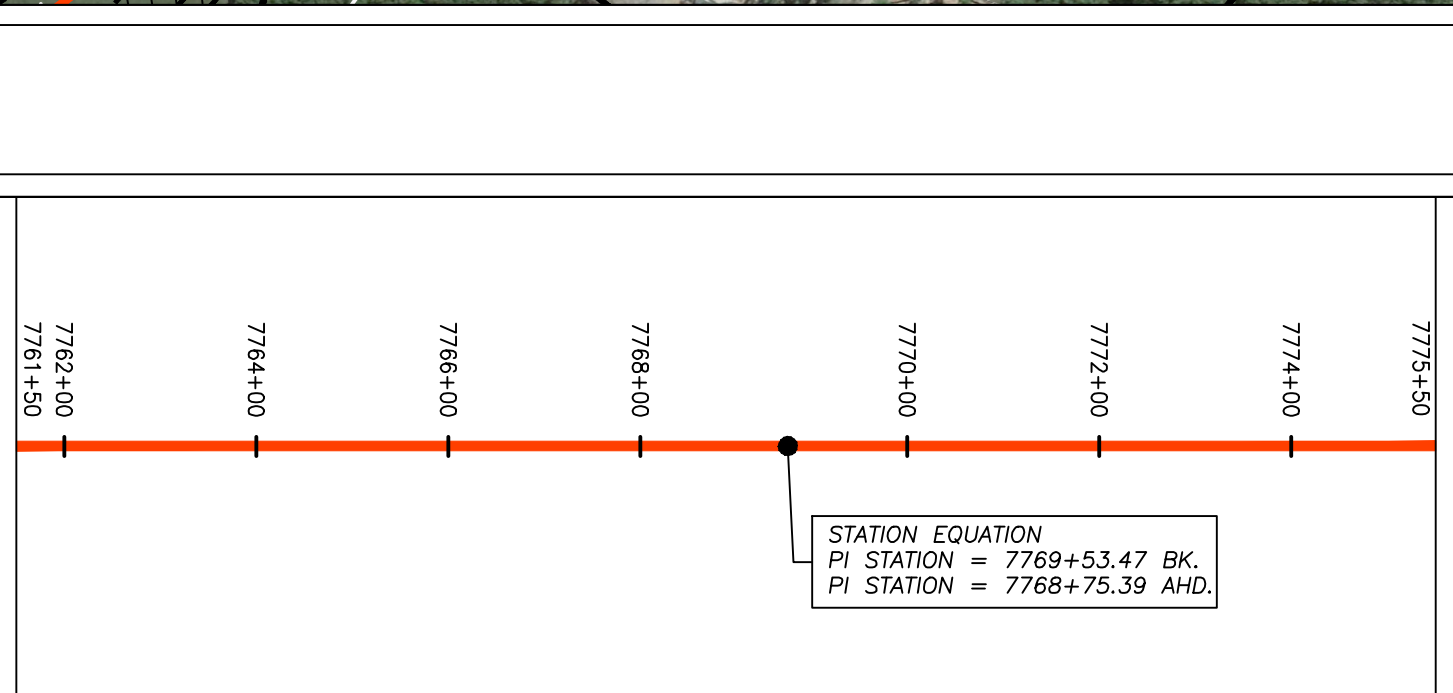


PROPERTY OWNERSHIP



PIPE SPECIFICATION

STRING VIEW BAND



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

- NOTES:**
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 - ALL STATIONING SHOWN IS SLOPE STATIONING.

NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION

7/20/16

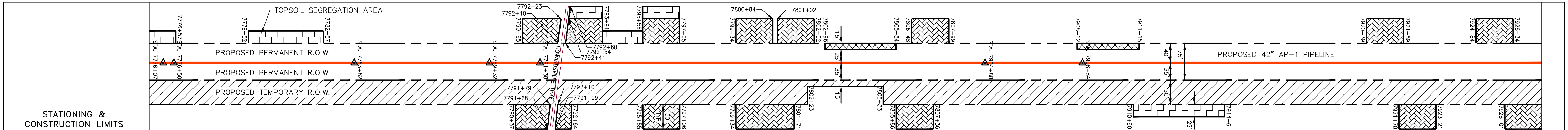
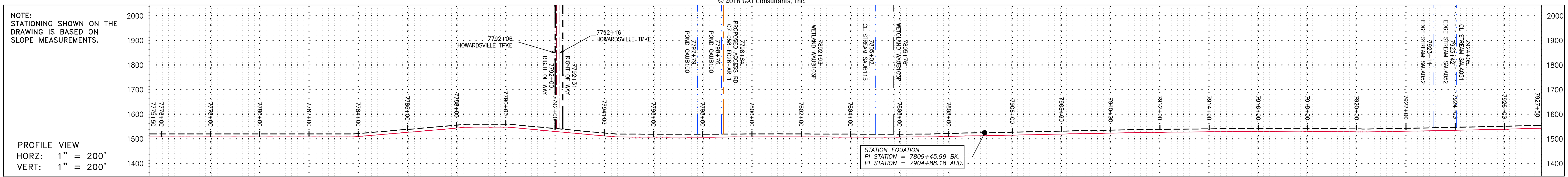
42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 7761+50 TO 7775+50
AUGUSTA COUNTY, VIRGINIA

ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
445 WEST MAIN STREET
CLARKSBURG, WEST VIRGINIA 26301

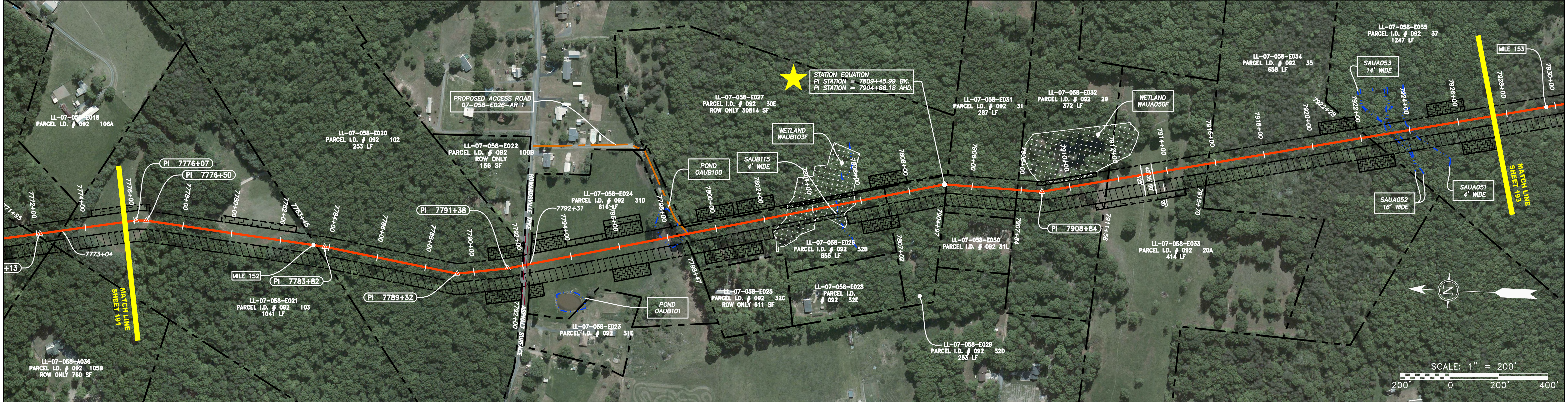
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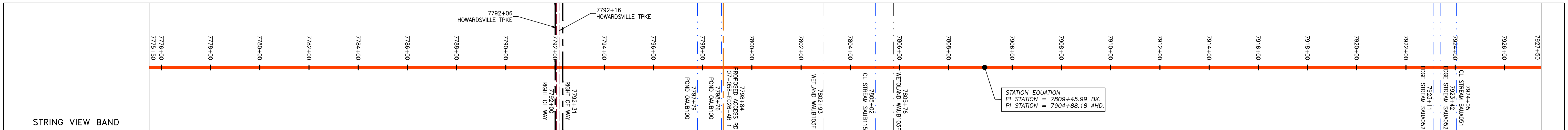
PROJECT NO./DASH NO.	140468	
TASK NO.	005	SUB TASK NO. 00
GROUP ID	D	DRAWING NO. E191
191	OF	344



PROPERTY OWNERSHIP	PARCEL I.D. #	ROW ONLY	AREA
LL-07-058-E021	# 092 103	1041 LF	
LL-07-058-E020	# 092 102	253 LF	
LL-07-058-E022	# 092 100B	100B	
LL-07-058-E024	# 092 31D	616 LF	
LL-07-058-E027	# 092 30E	ROW ONLY 30814 SF	
LL-07-058-E026	# 092 32B	855 LF	
LL-07-058-E029	# 092 32D	253 LF	
LL-07-058-E031	# 092 31	287 LF	
LL-07-058-E032	# 092 29	372 LF	
LL-07-058-E033	# 092 20A	414 LF	
LL-07-058-E034	# 092 35	658 LF	
LL-07-058-E035	# 092 37	1247 LF	



PIPE SPECIFICATION



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

- NOTES:**
- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W
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 - AERIAL IMAGERY IS TAKEN FROM A SPRING 2015 FLIGHT BY KUCERA INTERNATIONAL, INC.
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 - THESE DRAWINGS ARE NOT INTENDED TO PROVIDE EROSION AND SEDIMENTATION CONTROL REQUIREMENTS. SEE EROSION AND SEDIMENTATION CONTROL PLANS FOR COMPLETE REQUIREMENTS AND BMP LOCATIONS.
 - ALL STATIONING SHOWN IS SLOPE STATIONING.

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

7/20/16

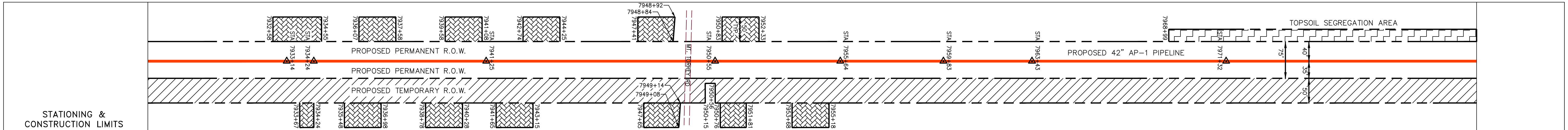
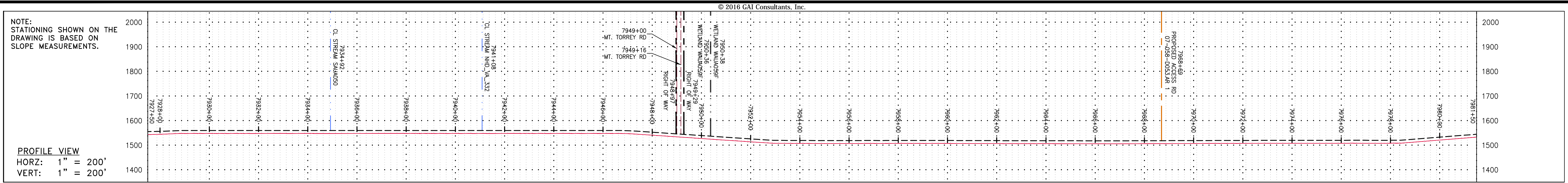
42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 7775+50 TO 7927+50
 AUGUSTA COUNTY, VIRGINIA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 445 WEST MAIN STREET
 CLARKSBURG, WEST VIRGINIA, 26301

SCALE: AS SHOWN
 DATE: 07/22/16
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET



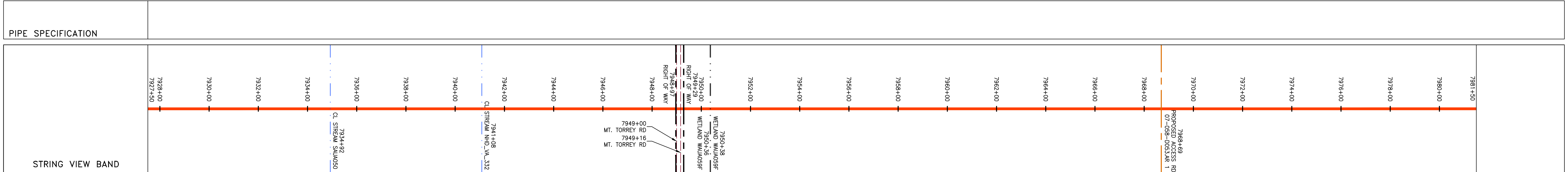
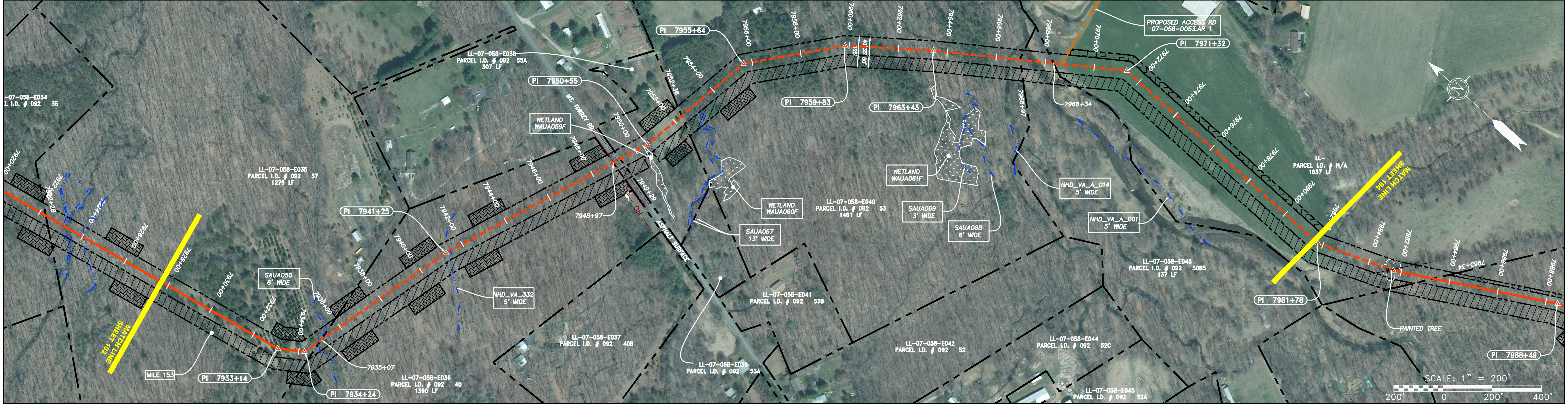
PROJECT NO./DASH NO.	140468	
TASK NO.	005	00
GROUP ID	D	E192
192 OF 344		

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 3\RR SHEETS 193-198 (51-55).DWG



PROPERTY OWNERSHIP

7927+28	LL-07-058-E035 PARCEL I.D. # 092 37 1279 LF	7934+07	LL-07-058-E036 PARCEL I.D. # 092 40 1390 LF	7941+25	LL-07-058-E038 PARCEL I.D. # 092 55A 307 LF	7948+97	LL-07-058-E040 PARCEL I.D. # 092 53 1461 LF	7955+55	LL-07-058-E043 PARCEL I.D. # 092 50B3 137 LF	7962+00	LL- PARCEL I.D. # N/A 1837 LF	7981+50
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LEGEND

— X — X — X — X —	PROPERTY LINE	— W — W — W —	STORM SEWER
— G — G — G — G —	FENCE	— SAN — SAN —	WATER LINE
— OH — OH — OH —	STREAM	— — — —	SANITARY SEWER
— — — —	EXISTING GAS PIPELINE	— — — —	EDGE OF GRAVEL
— — — —	OVERHEAD UTILITY LINES	— — — —	PROPOSED PERMANENT EASEMENT
— — — —	PROPOSED GAS PIPELINE	— — — —	UTILITY POLE
— — — —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		

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

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REVISIONS

NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION

7/19/16

42" AP-1 PIPELINE
 CONSTRUCTION ALIGNMENT STA 7927+50 TO 7981+50
 AUGUSTA COUNTY, VIRGINIA

ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 445 WEST MAIN STREET
 CLARKSBURG, WEST VIRGINIA 26301

SCALE: AS SHOWN
 DATE: 07/22/16
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET



PROJECT NO./DASH NO.
140468

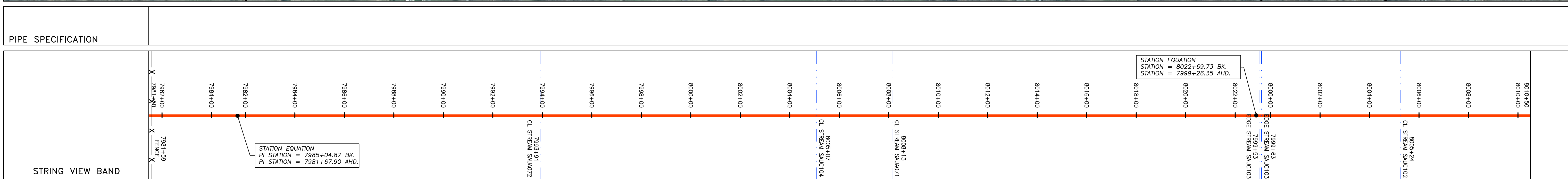
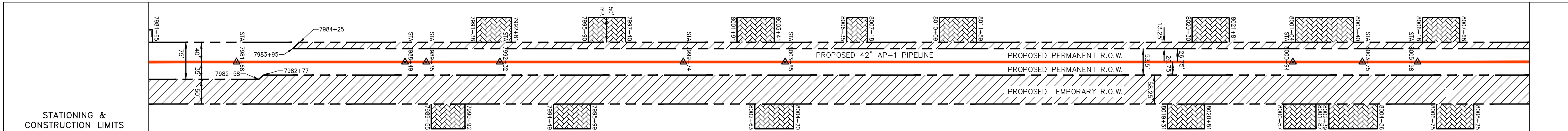
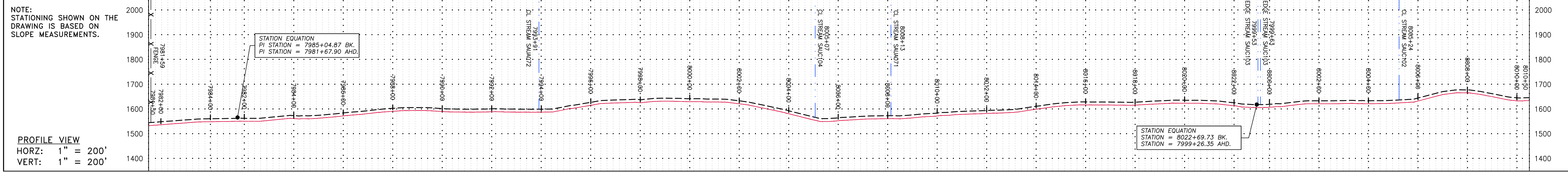
TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E193

193 OF 344

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 3\RR SHEETS 193-198 (51-55).DWG

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LEGEND

	PROPERTY LINE		STORM SEWER
	FENCE		WATER LINE
	STREAM		SANITARY SEWER
	EXISTING GAS PIPELINE		EDGE OF GRAVEL
	OVERHEAD UTILITY LINES		PROPOSED PERMANENT EASEMENT
	PROPOSED GAS PIPELINE		UTILITY POLE
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		

NOTES:

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

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NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION

7/19/16

SCALE: AS SHOWN

DATE: 07/22/16

DRAWN: GPT

CHECKED: DLH

APPROVED: NET

PROJECT NO./DASH NO.
140468

TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E194

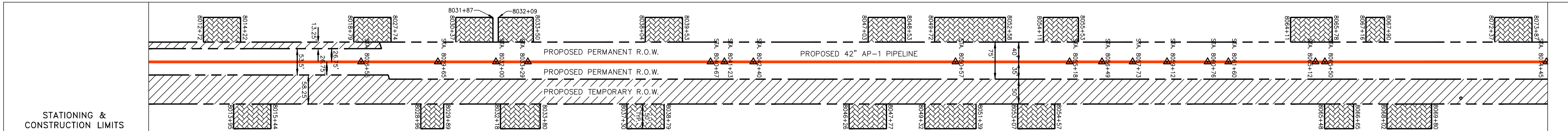
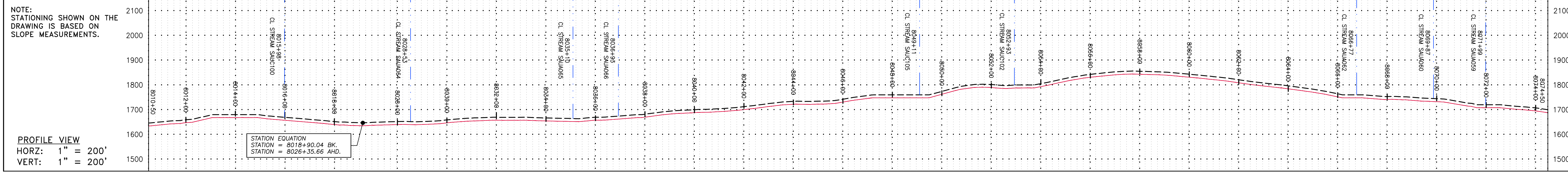
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gai consultants

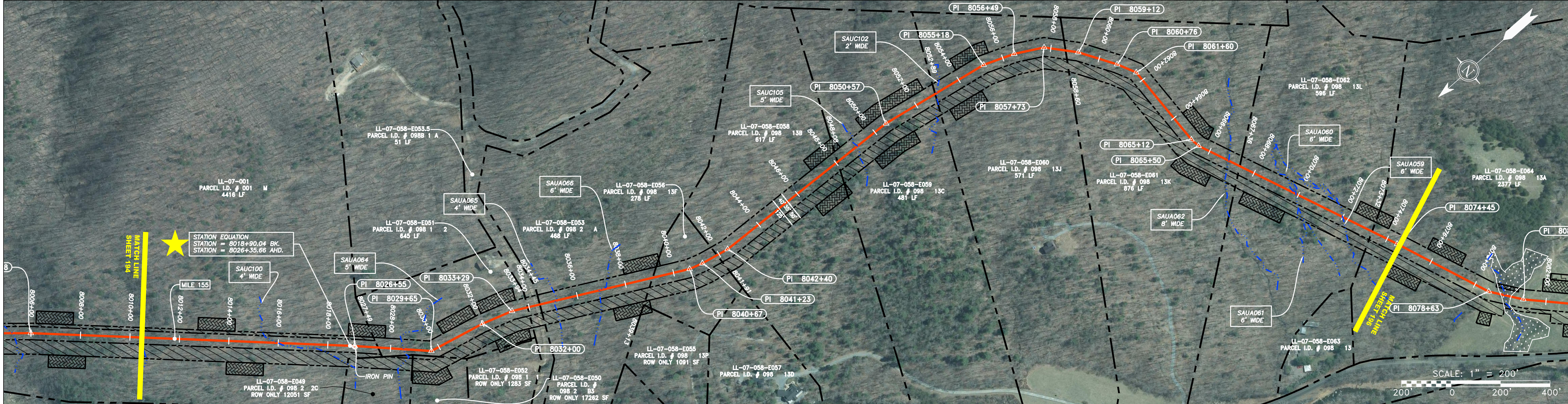
SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLVD.
 CANONSBURG, PA 15317
 724-873-3545

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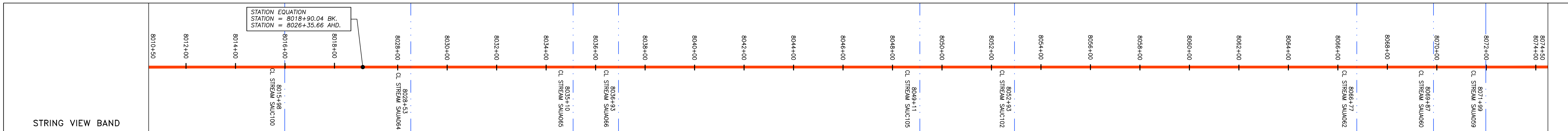
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PROPERTY OWNERSHIP	PARCEL I.D.	ROW ONLY	AREA
LL-07-001	# 001	4416 LF	M
LL-07-058-E049	# 098 2	12051 SF	2C
LL-07-058-E050	# 098 2	17262 SF	B3
LL-07-058-E051	# 098 1	645 LF	2
LL-07-058-E051.5	# 098 1	51 LF	A
LL-07-058-E052	# 098 1	1283 SF	1
LL-07-058-E052	# 098 1	1091 SF	13P
LL-07-058-E053	# 098 2	468 LF	A
LL-07-058-E056	# 098 13P	278 LF	
LL-07-058-E058	# 098 13B	617 LF	
LL-07-058-E059	# 098 13C	481 LF	
LL-07-058-E060	# 098 13J	571 LF	
LL-07-058-E061	# 098 13K	876 LF	
LL-07-058-E062	# 098 13L	596 LF	
LL-07-058-E064	# 098 13A	2377 LF	



PIPE SPECIFICATION



LEGEND

	PROPERTY LINE		STORM SEWER
	FENCE		WATER LINE
	STREAM		SANITARY SEWER
	EXISTING GAS PIPELINE		EDGE OF GRAVEL
	OVERHEAD UTILITY LINES		PROPOSED PERMANENT EASEMENT
	PROPOSED GAS PIPELINE		UTILITY POLE
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		

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	EXTRA WORK SPACE
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NO.	DATE	BY	CHKD.	APPVD.	DESCRIPTION

7/19/16

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 8010+50 TO 8074+50
AUGUSTA COUNTY, VIRGINIA
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
445 WEST MAIN STREET
 CLARKSBURG, WEST VIRGINIA 26301

SCALE: AS SHOWN
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PROJECT NO./DASH NO.	140468	
TASK NO.	005	SUB TASK NO. 00
GROUP ID	D	DRAWING NO. E195
195	OF	344