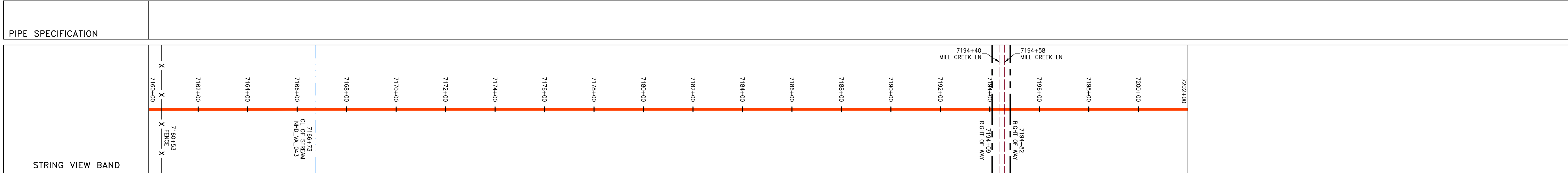
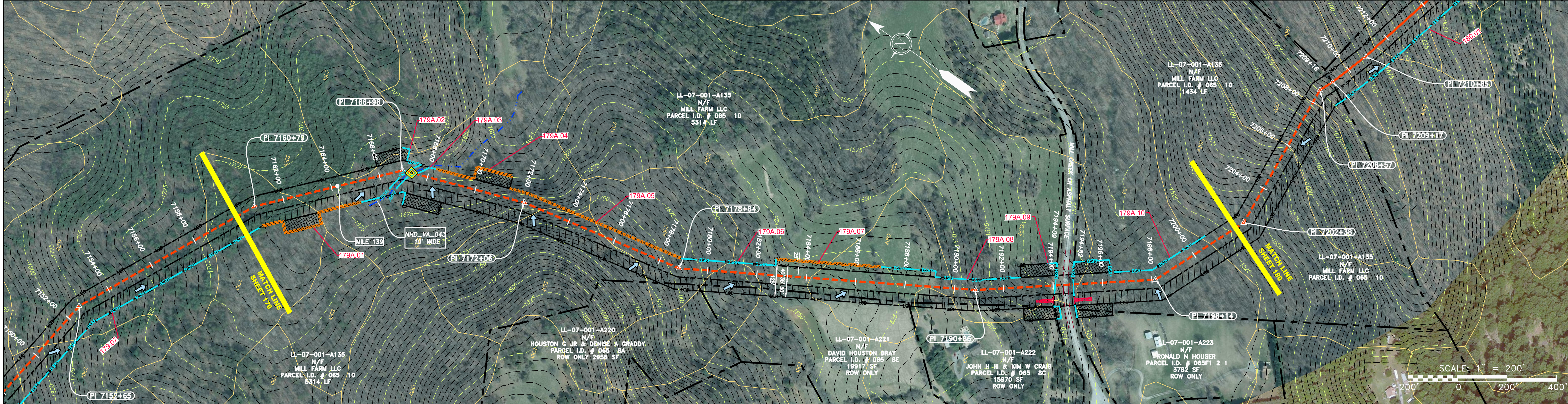


STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
7139+79	LL-07-001-A135 N/F MILL FARM LLC PARCEL I.D. # 065 10 5314 LF
7168+99	LL-07-001-A220 N/F HOUSTON G JR & DENISE A GRADY PARCEL I.D. # 065 8A ROW ONLY 2958 SF
7182+39	LL-07-001-A221 N/F DAVID HOUSTON BRAY PARCEL I.D. # 065 8E ROW ONLY 19917 SF
7194+82	LL-07-001-A222 N/F JOHN H III & KIM W CRAIG PARCEL I.D. # 065 8C ROW ONLY 15970 SF
7194+82	LL-07-001-A135 N/F MILL FARM LLC PARCEL I.D. # 065 10 1434 LF
7194+82	LL-07-001-A223 N/F RONALD N HOUSER PARCEL I.D. # 065F1 2 1 ROW ONLY 3782 SF
7202+00	



LEGEND

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

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 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.
- 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.
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- BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
- SOIL TYPE
- THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.A.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, 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	APPD.	CHKD.	DESCRIPTION

42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 7160+00 TO 7202+00
 AUGUSTA COUNTY, VIRGINIA

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

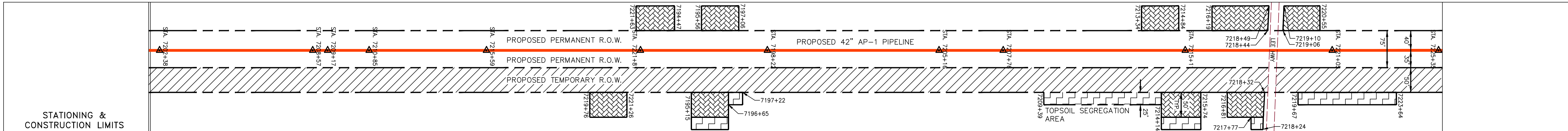
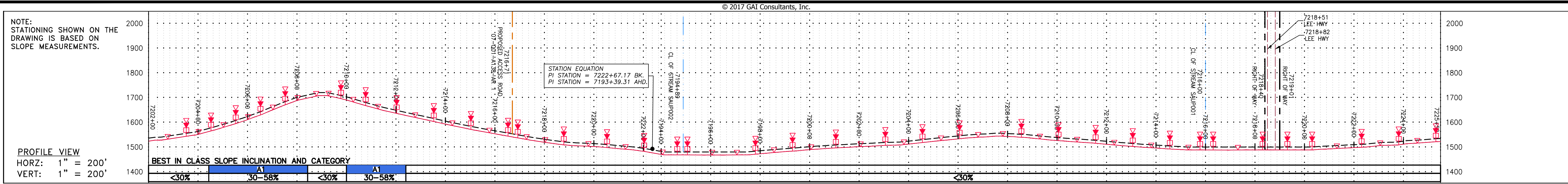
SCALE:	AS SHOWN
DATE:	3/24/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET

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

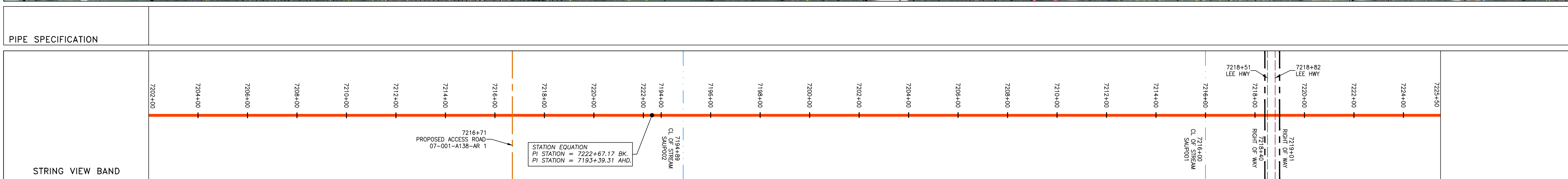
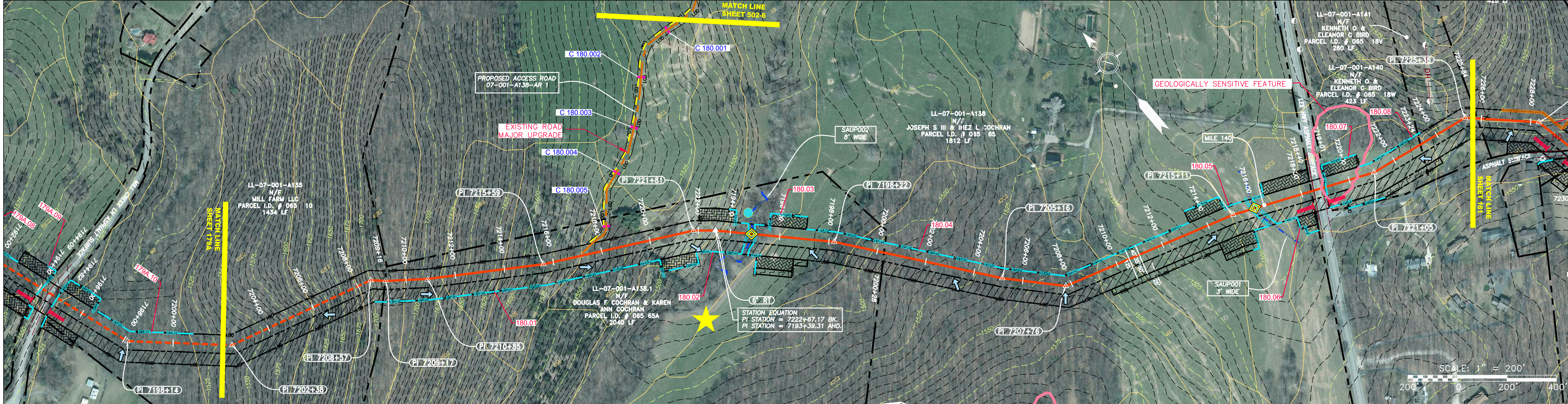
PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E179A
179A OF 344	

GAI CAD FILE NO. \NTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 3\RR SHEETS 179-183 (36-40).DWG

GAI CAD FILE NO. \ITG-FS1\THRASHER_050-5159 - GIA, INC. - GAI - THRASHER - MAPPING SURVEY DRAWING SEC 3\RR SHEETS 179-183 (36-40).DWG

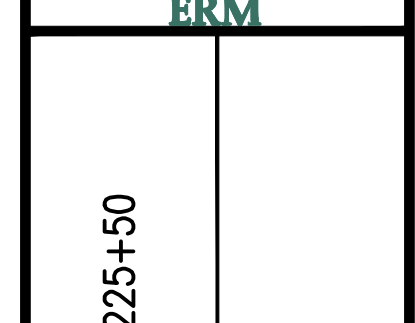


STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
7184+38	LL-07-001-A135 N/F MILL FARM LLC PARCEL I.D. # 065 10 1434 LF
7184+38	LL-07-001-A138.1 N/F JOSEPH S III & INEZ L COCHRAN PARCEL I.D. # 065 65 2040 LF
7200+28	LL-07-001-A138 N/F JOSEPH S III & INEZ L COCHRAN PARCEL I.D. # 065 65 1812 LF
7218+40	LL-07-001-A140 N/F KENNETH O & ELEANOR C BIRD PARCEL I.D. # 065 18W 423 LF
7218+40	LL-07-001-A141 N/F KENNETH O & ELEANOR C BIRD PARCEL I.D. # 065 18W 260 LF



<p>LEGEND</p> <ul style="list-style-type: none"> — X — X — PROPERTY LINE — X — X — FENCE — G — G — STREAM — G — G — EXISTING GAS PIPELINE — OH — OVERHEAD UTILITY LINES — OH — ACCESS ROAD — OH — PROPOSED GAS PIPELINE — OH — PROPOSED GAS PIPELINE (NO GROUND SURVEY) — E — STORM SEWER — W — UNDERGROUND ELECTRIC — W — WATER LINE — SAN — SANITARY SEWER — E — EDGE OF GRAVEL — E — PROPOSED PERMANENT EASEMENT — E — PROPOSED PERMANENT R.O.W. — E — PROPOSED TEMPORARY R.O.W. — E — UTILITY POLE — E — WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY) — E — EXTRA WORK SPACE — E — AREA OF NO DISTURBANCE — E — TOPSOIL SEGREGATION AREA — E — PROPOSED TEMPORARY R.O.W. — E — UTILITY POLE 	<ul style="list-style-type: none"> — LOD — LIMIT OF DISTURBANCE — BSRF — BELTED SILT RETENTION FENCE (BSRF) — C 111.03 — COMPOST FILTER SOCK — C 111.001 — SEDIMENT BARRIER IDENTIFICATION — C 111.001 — CULVERT IDENTIFICATION — X — ORANGE SAFETY FENCE — X — ROADSIDE DITCH — X — SOIL TYPE — X — TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION 	<p>NOTES:</p> <ol style="list-style-type: none"> COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS 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 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.A.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, 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.
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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION



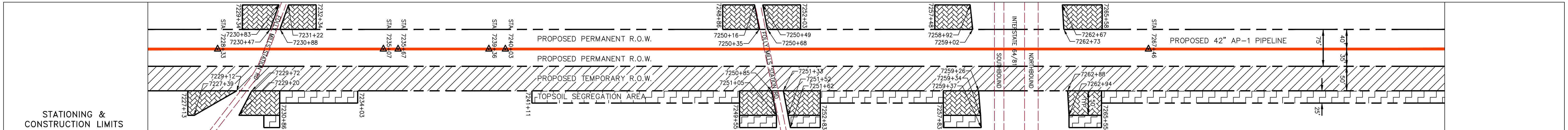
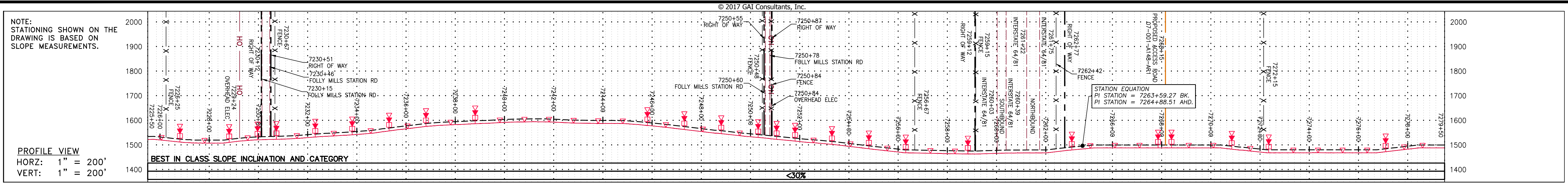
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330
AUGUSTA COUNTY, VIRGINIA

SCALE: AS SHOWN
DATE: 3/24/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

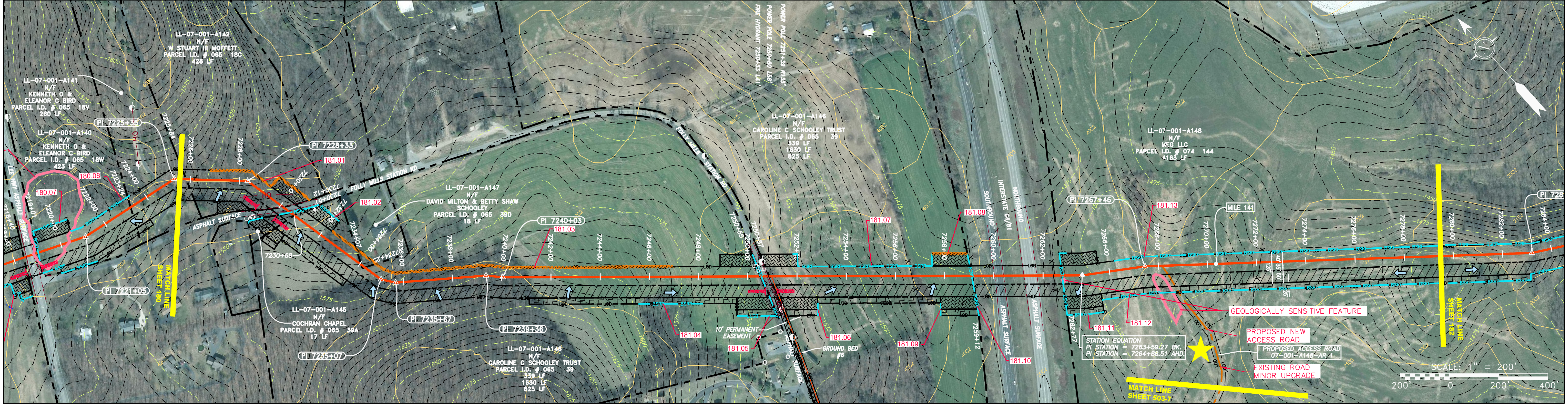


PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E180
180 OF 344	

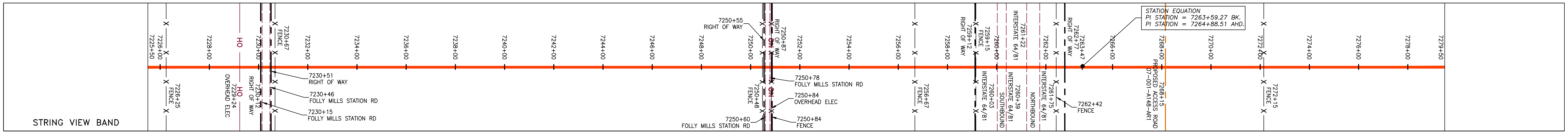
GAI CAD FILE NO. \VTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - MAPPING SURVEY DRAWING SEC 3\RR SHEETS 179-183 (36-40).DWG



PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
LL-07-001-A142 N/F W STUART III MOFFETT PARCEL I.D. # 065 18C 428 LF	7230+00
LL-07-001-A141 N/F KENNETH O & ELEANOR C BIRD PARCEL I.D. # 065 18W 423 LF	7229+00
LL-07-001-A146 N/F CAROLINE C. SCHOOLEY TRUST PARCEL I.D. # 065 39 339 LF	7231+00
LL-07-001-A147 N/F DAVID MILTON & BETTY SHAW SCHOOLEY TRUST PARCEL I.D. # 065 39D 18 LF	7234+00
LL-07-001-A146 N/F CAROLINE C SCHOOLEY TRUST PARCEL I.D. # 065 39 1630 LF	7250+00
LL-07-001-A146 N/F CAROLINE C SCHOOLEY TRUST PARCEL I.D. # 065 39 825 LF	7263+00
LL-07-001-A148 N/F MEG LLC PARCEL I.D. # 074 144 4163 LF	7275+50



PIPE SPECIFICATION
7225+00
7230+00
7235+00
7240+00
7245+00
7250+00
7255+00
7260+00
7265+00
7270+00
7275+50



LEGEND

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

	PERMANENT WATERBAR/SLOPE BREAKER		LIMIT OF DISTURBANCE
	TEMPORARY WATERBAR/SLOPE BREAKER		BELTED SILT RETENTION FENCE (BSRF)
	TRENCH BREAKER/PLUG		COMPOSITE FILTER SOCK
	STREAM CROSSING		SEDIMENT BARRIER IDENTIFICATION
	USFS STREAM CROSSING WITH ENHANCED CONTROLS		CULVERT IDENTIFICATION
	ORANGE SAFETY FENCE		ROADSIDE DITCH
	SLOPE		SOIL TYPE
	SLOPE DIRECTION		TYPICAL BIG SLOPE CATEGORY SLOPE INCLUSION
	CONSTRUCTION ENTRANCE WITH DITCH		
	CULVERT WATERBAR		

NOTES:

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REVISIONS	
NO.	DESCRIPTION

Daniel R. Goldstein
DANIEL R. GOLDSTEIN
Lic. No. 047436
PROFESSIONAL ENGINEER

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

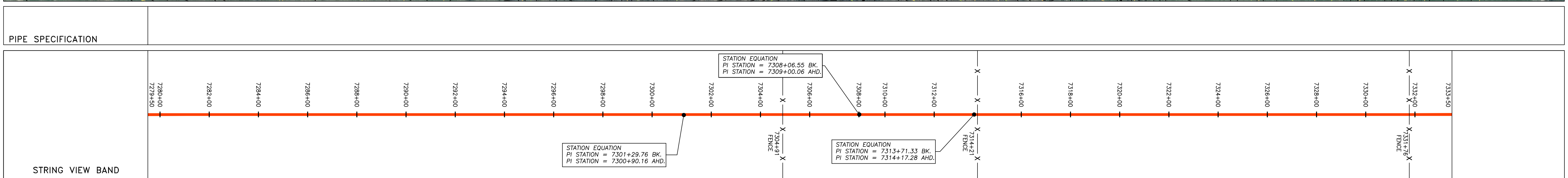
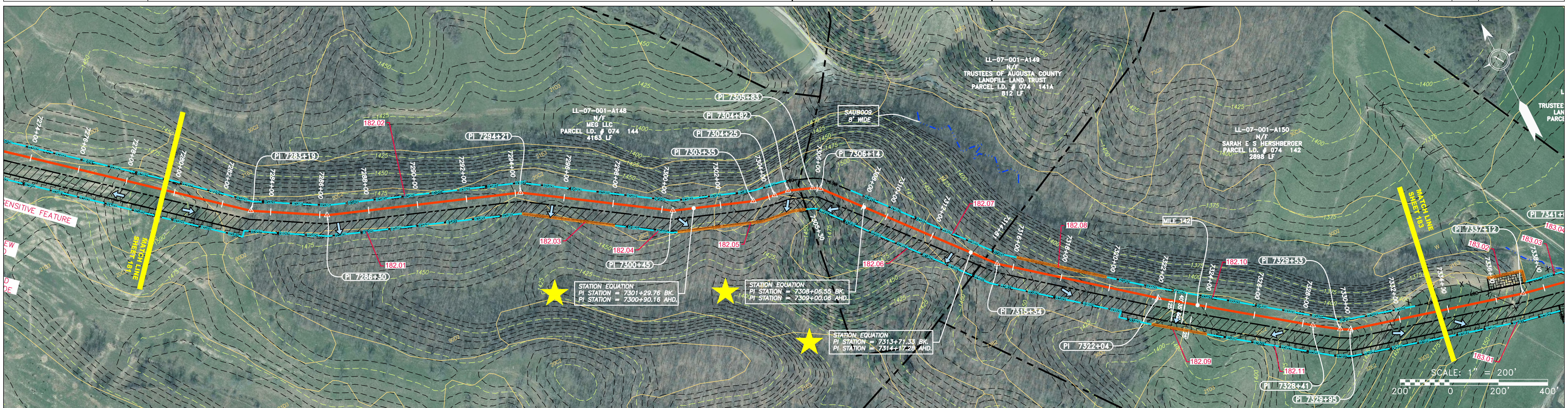
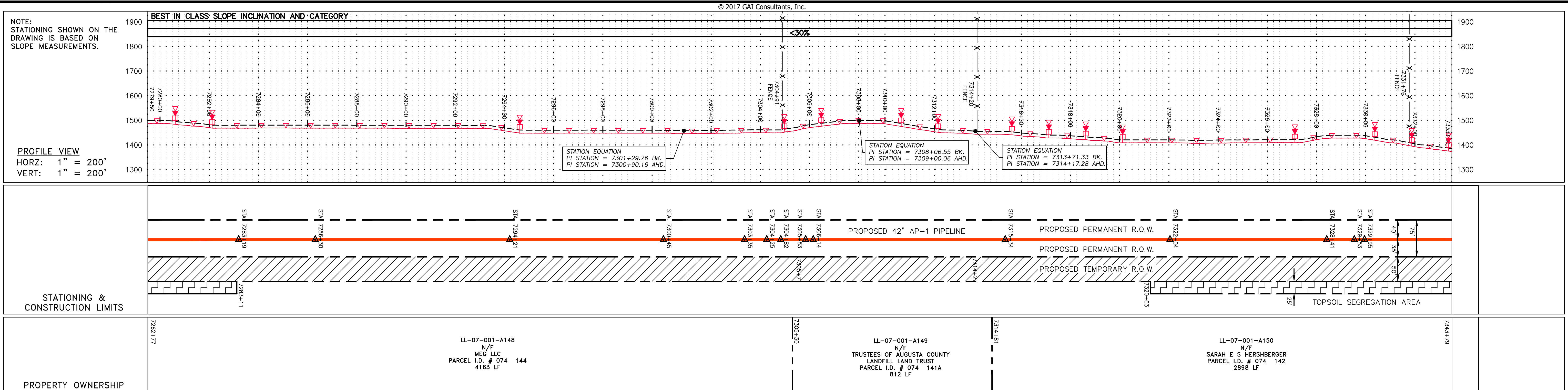
42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 7225+50 TO 7275+50

SCALE: AS SHOWN
DATE: 3/24/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

gai consultants
SOUTHPOINTE OFFICE
6000 TOWN CENTER BLDG.
CANONSBURG, VA 15317
724-873-3545

PROJECT NO./DASH NO. **140468**
TASK NO. SUB TASK NO. **005 00**
GROUP ID DRAWING NO. **D E181**
181 OF 344

GAI CAD FILE NO. \NTG-FS1\THRASHER_050-5159 - GIA, INC. - SERP - THRASHER - MAPPING SURVEY DRAWING SEC 3\RR SHEETS 179-183 (36-40).DWG



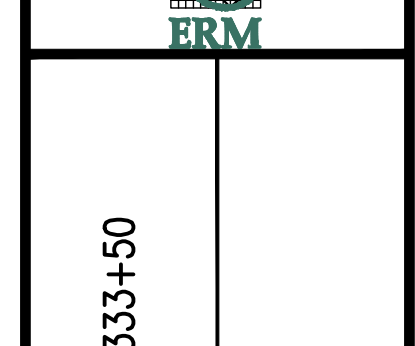
LEGEND

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

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NO.	DATE	BY	CHKD.	APPVD.	DESCRIPTION

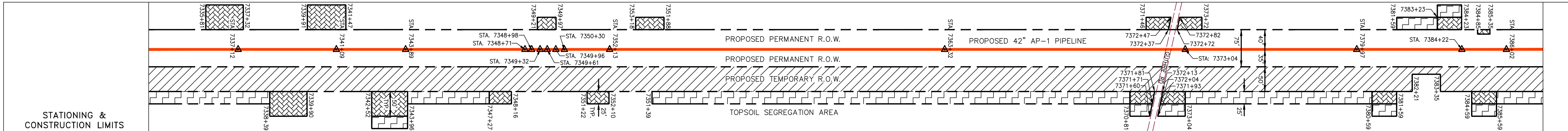
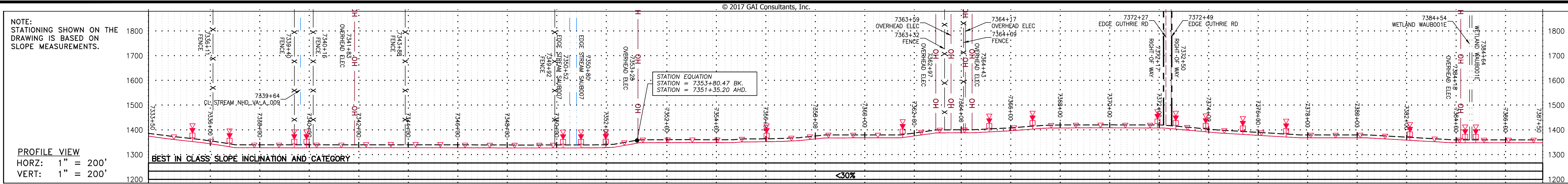


ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
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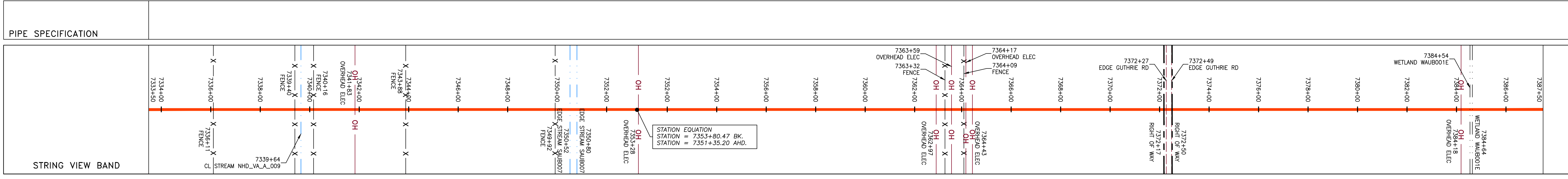
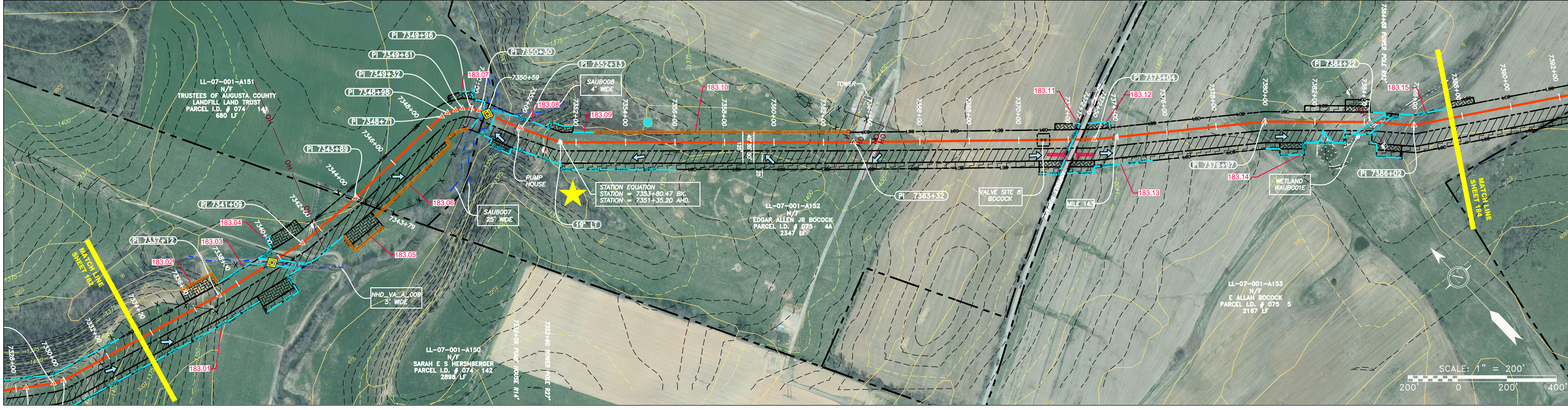
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 DATE: 3/24/17
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET



PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E182
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PROPERTY OWNERSHIP
LL-07-001-A150 N/F SARAH E S HERSHBERGER PARCEL I.D. # 074 142 2898 LF
LL-07-001-A151 N/F TRUSTEES OF AUGUSTA COUNTY LANDFILL LAND TRUST PARCEL I.D. # 074 141 680 LF
LL-07-001-A152 N/F EDGAR ALLEN JR BOCCOCK PARCEL I.D. # 075 4A 2347 LF
LL-07-001-A153 N/F E ALLAN BOCCOCK PARCEL I.D. # 075 5 2167 LF



LEGEND	
	PROPERTY LINE
	FENCE
	STREAM
	EXISTING GAS PIPELINE
	OVERHEAD UTILITY LINES
	ACCESS ROAD
	PROPOSED GAS PIPELINE
	STORM SEWER
	UNDERGROUND ELECTRIC
	WATER LINE
	SANITARY SEWER
	EDGE OF GRAVEL
	PROPOSED PERMANENT EASEMENT
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
	EXTRA WORK SPACE
	AREA OF NO DISTURBANCE
	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)
	TOPSOIL SEGREGATION AREA
	PROPOSED TEMPORARY R.O.W.
	UTILITY POLE
	PERMANENT WATERBAR/SLOPE BREAKER
	TEMPORARY WATERBAR/SLOPE BREAKER
	TRENCH BREAKER/PLUG
	STREAM CROSSING
	USFWS STREAM CROSSING WITH ENHANCED CONTROLS
	SLOPE
	SLOPE DIRECTION
	CULVERT ENTRANCE WITH DITCH
	CULVERT AS NEEDED
	CULVERT WATERBAR
	LIMIT OF DISTURBANCE
	BELTED SILT RETENTION FENCE (BSRF)
	COMPOSITE FILTER SOCK
	SEDIMENT BARRIER IDENTIFICATION
	USFWS STREAM CROSSING WITH ENHANCED CONTROLS
	ORANGE SAFETY FENCE
	ROADSIDE DITCH
	SOIL TYPE
	TYPICAL BIG SLOPE CATEGORY SLOPE INCLUSION

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 GIA 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). GIA 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.
- BEST IN CLASS SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- 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.
- EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.
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REVISIONS	
NO.	DATE
CHKD.	DWN.
APPD.	DESCRIPTION

PROFESSIONAL ENGINEER
Daniel R. Goldstein
 Lic. No. 047436

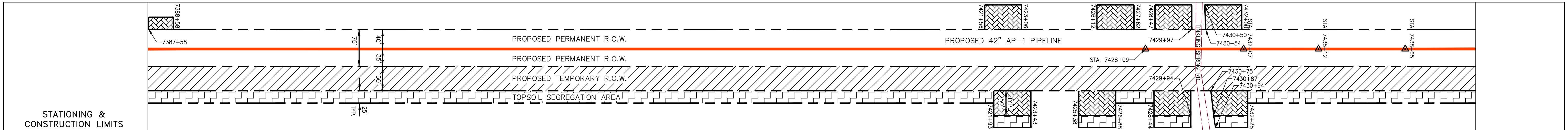
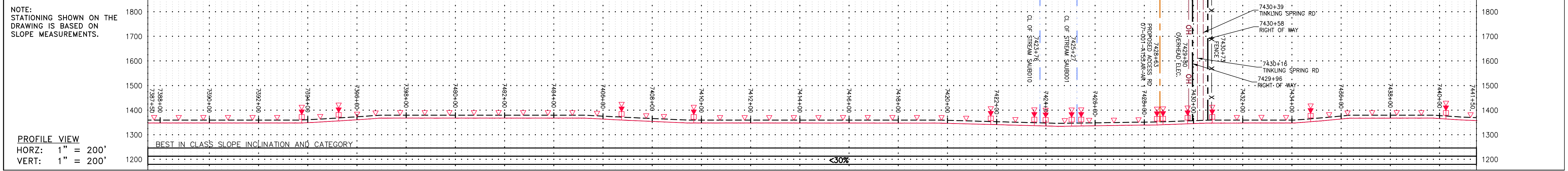
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

CONSTRUCTION ALIGNMENT STA 7333+50 TO 7387+50
 AUGUSTA COUNTY, VIRGINIA

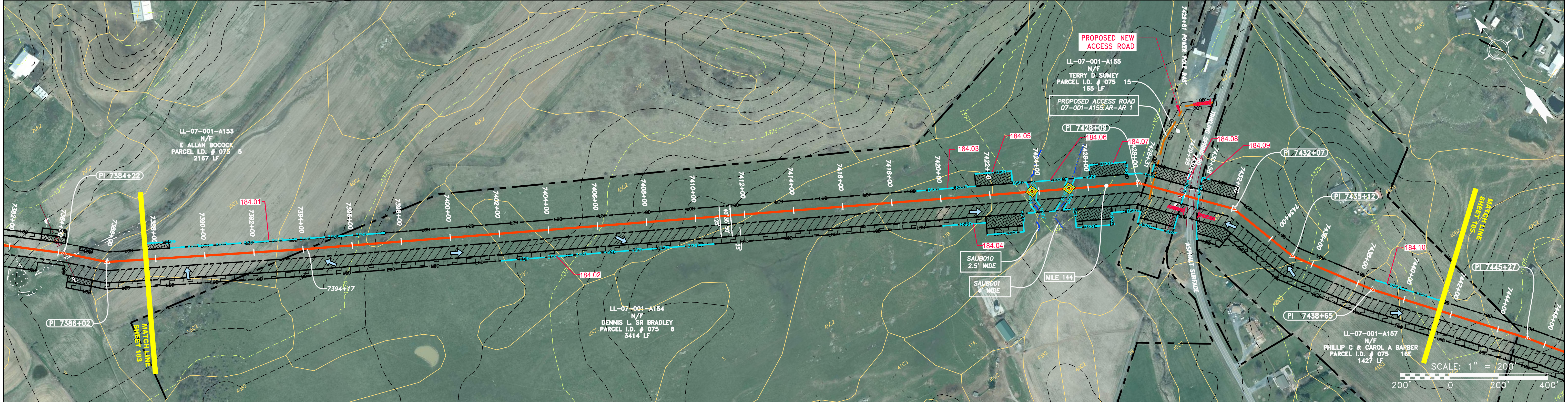
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 APPROVED: NET

gai consultants
 SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLDG.
 CANONSBURG, PA 15317
 724-873-3545

PROJECT NO./DASH NO. **140468**
 TASK NO. SUB TASK NO. **005 00**
 GROUP ID DRAWING NO. **D E183**
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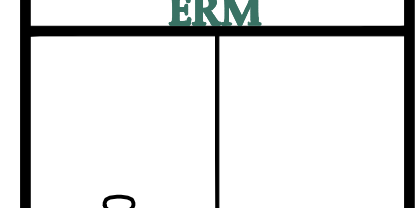
PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
LL-07-001-A153 N/F E ALLAN BOCOCK PARCEL I.D. # 075 5 2167 LF	PROPOSED PERMANENT R.O.W. PROPOSED 42" AP-1 PIPELINE PROPOSED PERMANENT R.O.W. PROPOSED TEMPORARY R.O.W. TOPSOIL SEGREGATION AREA
LL-07-001-A154 N/F DENNIS L. SR BRADLEY PARCEL I.D. # 075 8 3414 LF	STA 7428+09 STA 7438+55
LL-07-001-A155 N/F TERRY D. SUMEY PARCEL I.D. # 075 15 165 LF	STA 7438+55 STA 7441+50
LL-07-001-A157 N/F PHILLIP C & CAROL A BARBER PARCEL I.D. # 075 16E 1427 LF	



PIPE SPECIFICATION	NOT TO SCALE
PIPE LEGEND A 42" X 0.600" WT-X70 DSAW, FBE B 42" X 0.720" WT-X70 DSAW, FBE C 42" X 0.864" WT-X70 DSAW, FBE D 42" X 0.600" WT-X70 DSAW, 6" CC E 42" X 0.720" WT-X70 DSAW, 5 1/2" CC F 42" X 0.864" WT-X70 DSAW, 4 1/2" CC G 42" X 0.864" WT-X70 DSAW, 40 MIL FC H 48" X 0.688" WT-X60 BARE, CASING	STRING VIEW BAND

LEGEND PROPERTY LINE FENCE STREAM EXISTING GAS PIPELINE 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 TOPSOIL SEGREGATION AREA PROPOSED TEMPORARY R.O.W. UTILITY POLE	PERMANENT WATERBARI/SLOPE BREAKER TEMPORARY WATERBARI/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	LOD BSRF 111.03 C 111.01 A1 (E) 30-58% LIMIT OF DISTURBANCE BELTED SILT RETENTION FENCE (BSRF) COMPOST FILTER SOCK SEDIMENT BARRIER IDENTIFICATION CULVERT IDENTIFICATION ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION	NOTES: 1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. 2. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014. 3. IMAGERY TAKEN FROM GOOGLE EARTH. 4. THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS. 5. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. 6. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. 7. ALL STATIONING SHOWN IS SLOPE STATIONING. 8. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL. 9. 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 SLOPES BAND. 11. 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. 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.S FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.4.S. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.
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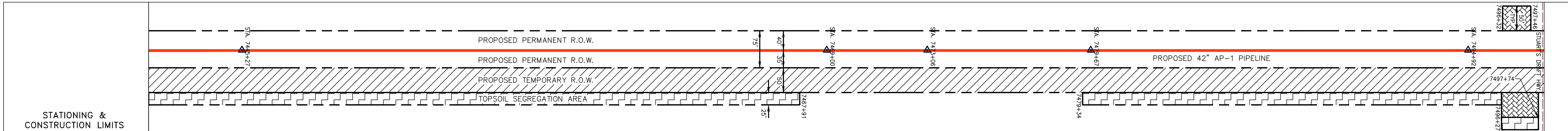
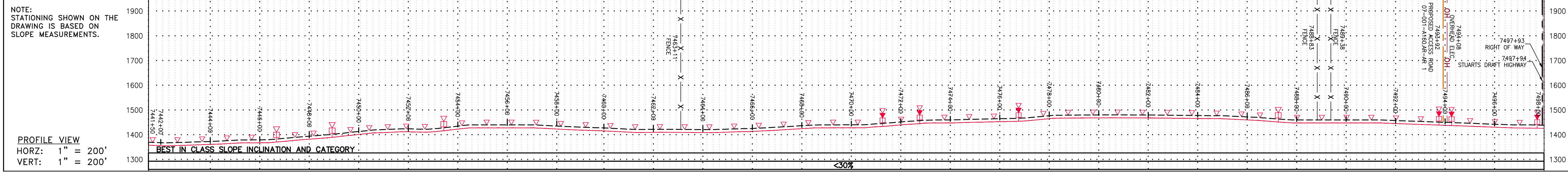


ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330
 AUGUSTA COUNTY, VIRGINIA
CONSTRUCTION ALIGNMENT STA 7387+50 TO 7441+50

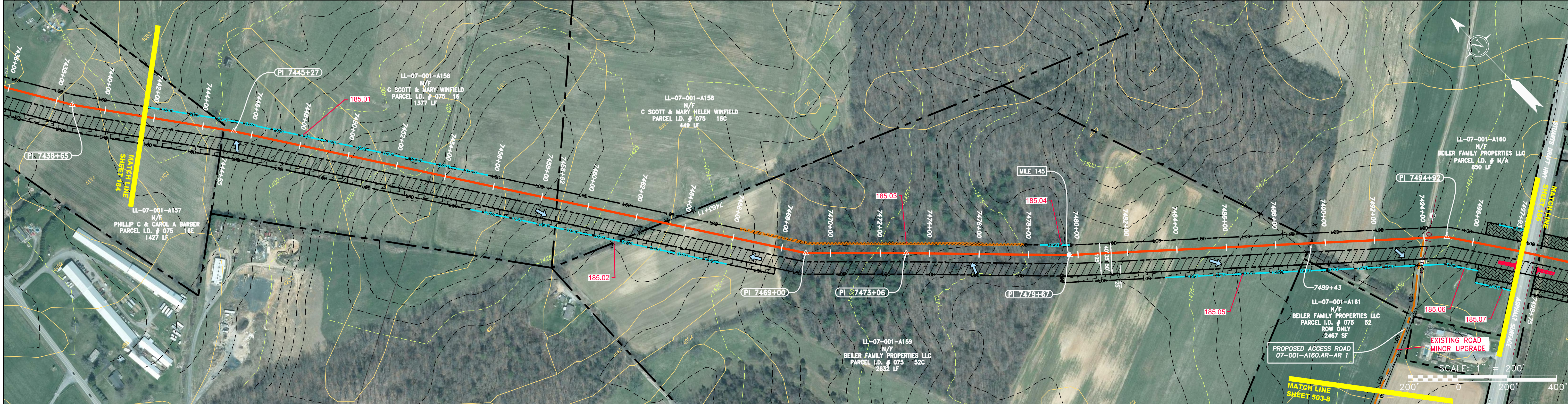
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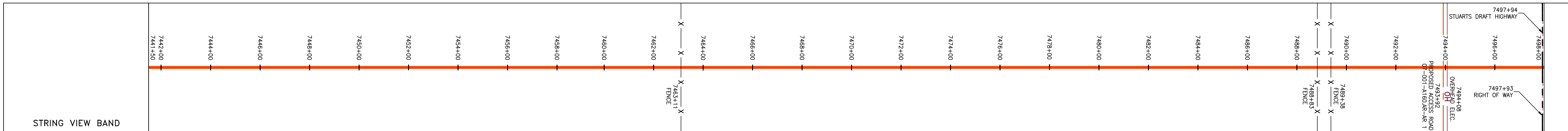
PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E184
184 OF 344	



Stationing	Property Ownership
7439+58 - 7444+00	LL-07-001-A157 N/F PHILLIP C & CAROL A BARBER PARCEL I.D. # 075 16E 1427 LF
7444+00 - 7453+00	LL-07-001-A156 N/F C SCOTT & MARY WINFIELD PARCEL I.D. # 075 16 1377 LF
7453+00 - 7463+00	LL-07-001-A158 N/F C SCOTT & MARY HELEN WINFIELD PARCEL I.D. # 075 16C 449 LF
7463+00 - 7489+00	LL-07-001-A159 N/F BEILER FAMILY PROPERTIES LLC PARCEL I.D. # 075 52C 2632 LF
7489+00 - 7498+00	LL-07-001-A161 N/F BEILER FAMILY PROPERTIES LLC PARCEL I.D. # 075 52 ROW ONLY 2467 SF
7498+00 - 7499+00	LL-07-001-A160 N/F BEILER FAMILY PROPERTIES LLC PARCEL I.D. # N/A 850 LF



Stationing	Property Ownership
7442+00 - 7444+00	LL-07-001-A157 N/F PHILLIP C & CAROL A BARBER PARCEL I.D. # 075 16E 1427 LF
7444+00 - 7453+00	LL-07-001-A156 N/F C SCOTT & MARY WINFIELD PARCEL I.D. # 075 16 1377 LF
7453+00 - 7463+00	LL-07-001-A158 N/F C SCOTT & MARY HELEN WINFIELD PARCEL I.D. # 075 16C 449 LF
7463+00 - 7489+00	LL-07-001-A159 N/F BEILER FAMILY PROPERTIES LLC PARCEL I.D. # 075 52C 2632 LF
7489+00 - 7498+00	LL-07-001-A161 N/F BEILER FAMILY PROPERTIES LLC PARCEL I.D. # 075 52 ROW ONLY 2467 SF
7498+00 - 7499+00	LL-07-001-A160 N/F BEILER FAMILY PROPERTIES LLC PARCEL I.D. # N/A 850 LF



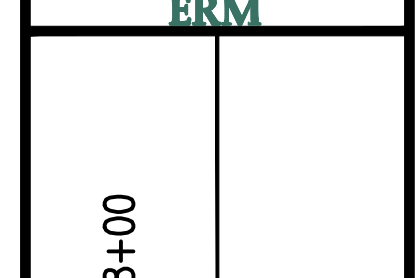
LEGEND

— X — X —	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	— S —	WATER LINE	[Green Box]	UTILITY POLE		
— OH —	OVERHEAD UTILITY LINES	—	SANITARY SEWER				
—	ACCESS ROAD	—	EDGE OF GRAVEL				
—	PROPOSED GAS PIPELINE	—	PROPOSED PERMANENT EASEMENT				
—	PROPOSED GAS PIPELINE (NO GROUND SURVEY)						

NOTES:

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NO.	DATE	APPD.	CHKD.	DESCRIPTION

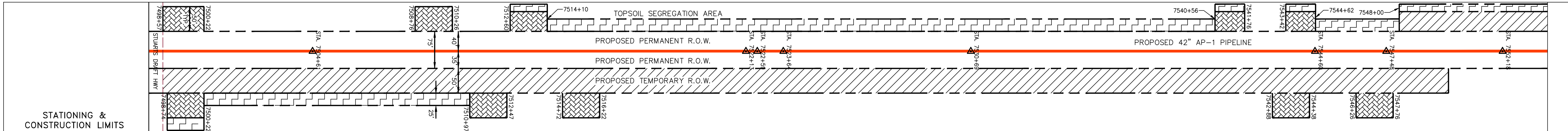
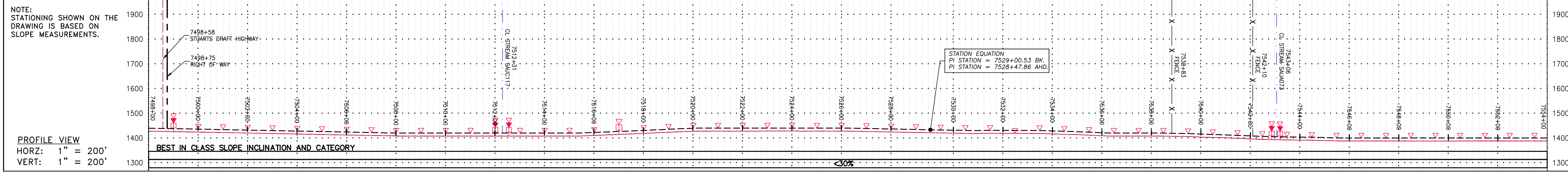


ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

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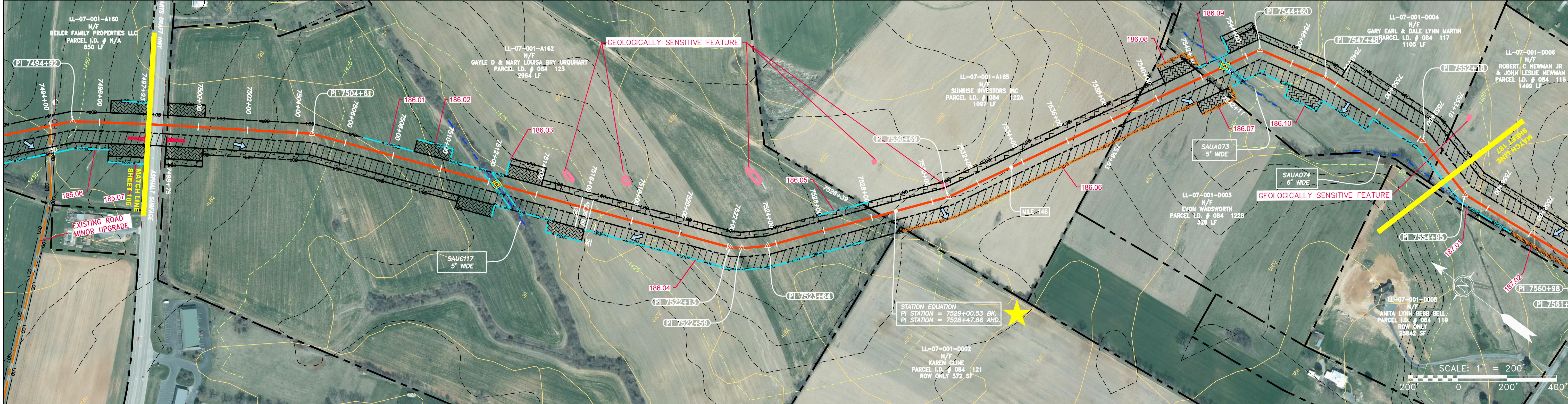


PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E185
185 OF 344	



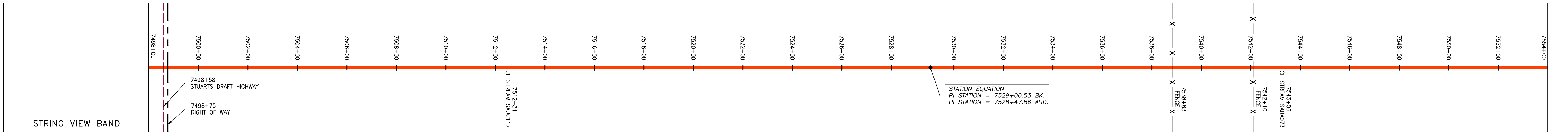
PROPERTY OWNERSHIP

LL-07-001-A160 N/F BEILER FAMILY PROPERTIES LLC PARCEL I.D. # N/A 890 LF	LL-07-001-A162 N/F GAYLE D & MARY LOUISA BRY UROUHART PARCEL I.D. # 084 123 2964 LF	LL-07-001-A165 N/F SUNRISE INVESTORS INC PARCEL I.D. # 084 122A 1097 LF	LL-07-001-D002 N/F KAREN CLINE PARCEL I.D. # 084 121 ROW ONLY 372 SF	LL-07-001-D003 N/F EVON WADSWORTH PARCEL I.D. # 084 122B 328 LF	LL-07-001-D004 N/F GARY EARL & DALE LYNN MARTIN PARCEL I.D. # 084 117 1105 LF	LL-07-001-D006 N/F ROBERT C. NEWMAN JR. & JOHN LESLIE NEWMAN PARCEL I.D. # 084 116 1499 LF
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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

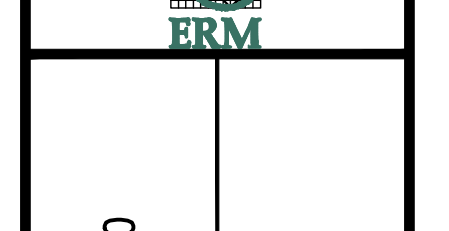
PROPERTY LINE	STORM SEWER	EXTRA WORK SPACE	TOPSOIL SEGREGATION AREA
FENCE	UNDERGROUND ELECTRIC	AREA OF NO DISTURBANCE	PROPOSED TEMPORARY R.O.W.
STREAM	WATER LINE	WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)	UTILITY POLE
EXISTING GAS PIPELINE	SANITARY SEWER	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY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

NOTES:

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REVISIONS

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION



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

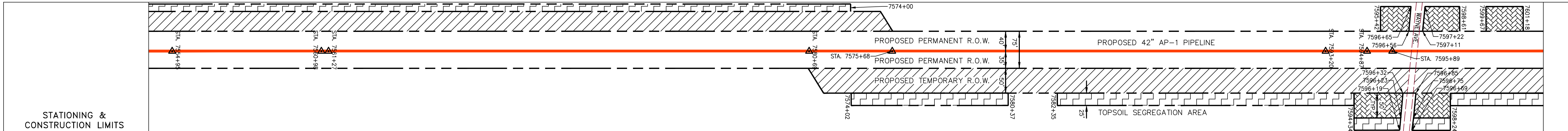
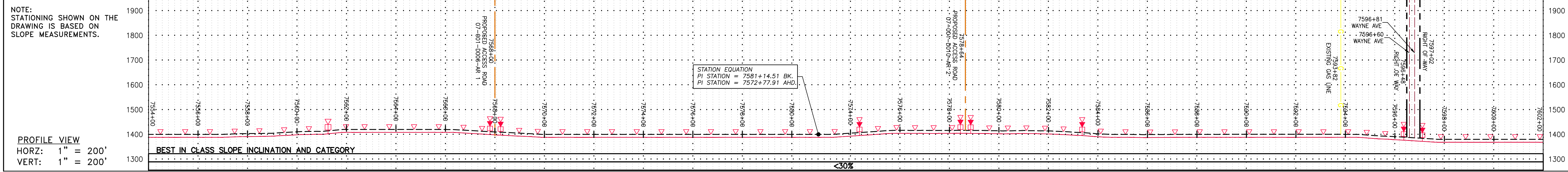
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DATE: 3/24/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET



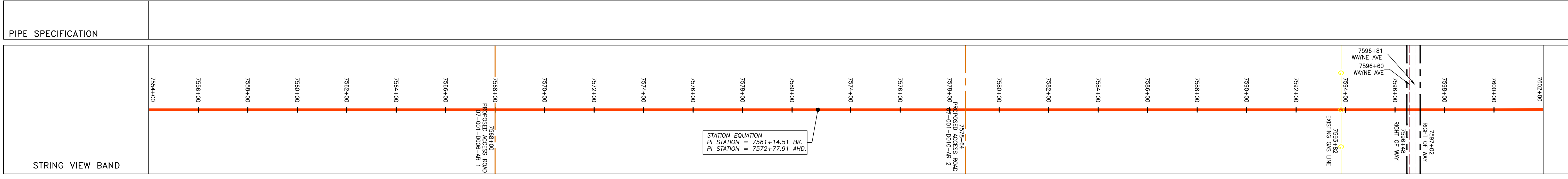
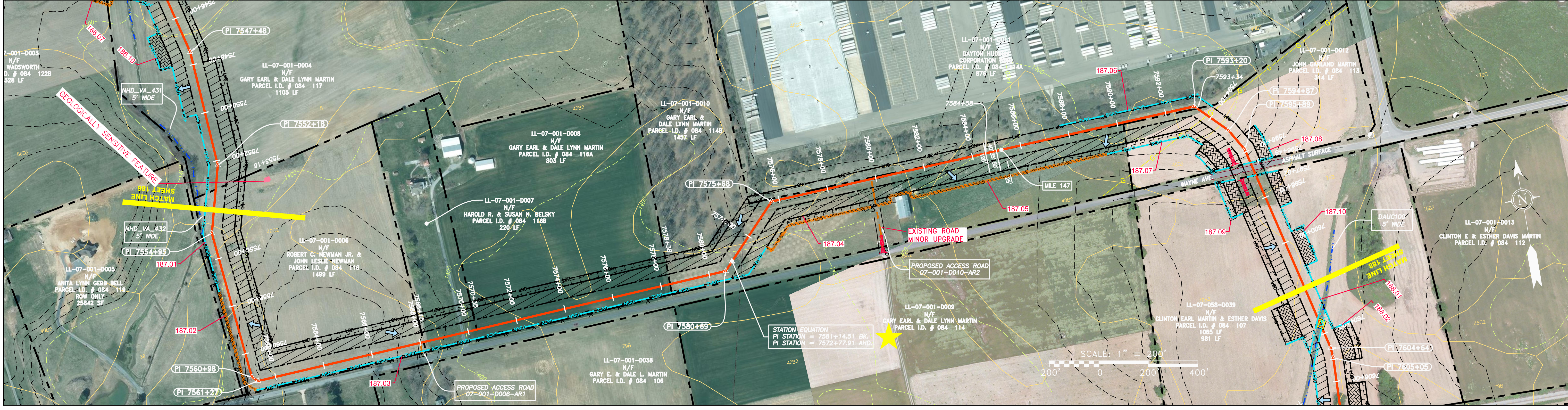
PROJECT NO./DASH NO. 140468

TASK NO.	SUB TASK NO.
005	00
GROUP ID	DRAWING NO.
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



PROPERTY OWNERSHIP table listing parcel numbers, owner names, and acreages. Owners include Anita Lynn Gebb Bell, Robert C. Newman Jr. & John Leslie Newman, Harold R. & Susan N. Belsky, Gary Earl & Dale Lynn Martin, Gary E. & Dale L. Martin, Dayton Hudson Corporation T560, John Garland Martin, and Clinton Earl & Esther Davis.



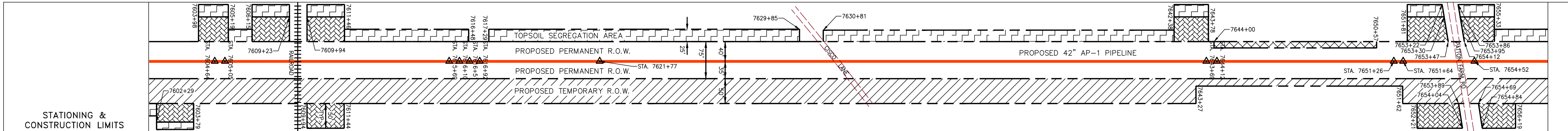
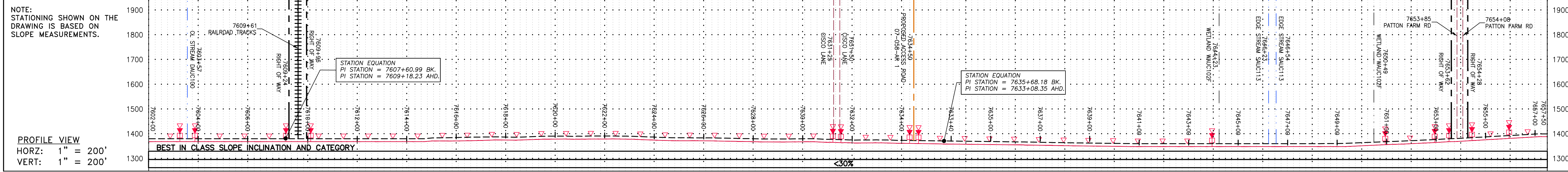
LEGEND and NOTES section. The legend defines symbols for property lines, fences, streams, gas pipelines, storm sewers, water lines, sanitary sewers, access roads, proposed gas pipelines, wetlands, utility poles, and various engineering features like culverts and slope breakers. Notes provide details on the coordinate system, data sources, and construction requirements.

REVISIONS table with columns for NO., DATE, DWN., CHKD., and APPRD. Below it is the professional seal of Daniel R. Goldstein, a Professional Engineer in Virginia, License No. 047436.

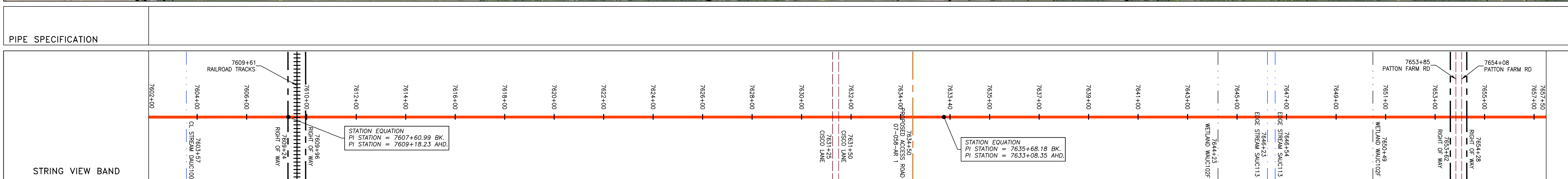
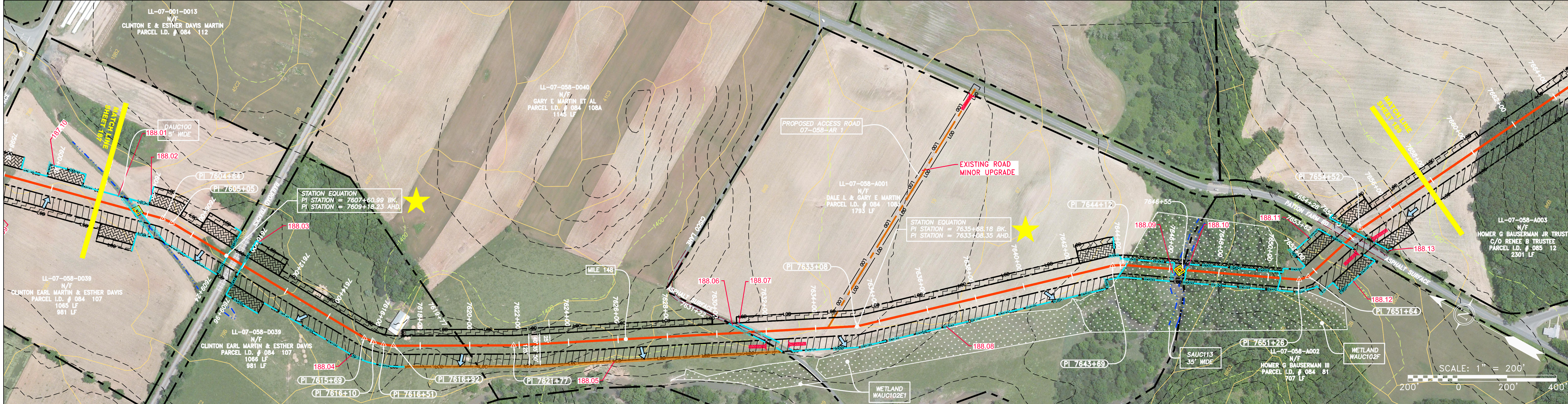
Project title block: 42" AP-1 PIPELINE CONSTRUCTION ALIGNMENT STA 7554+00 TO 7602+00. Client: ATLANTIC COAST PIPELINE, LLC. Address: 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330. Scale: AS SHOWN. Date: 3/24/17. Drawn by: GPT. Checked by: DLH. Approved by: NET.

Project information block including the GAI CONSULTANTS logo and contact details: SOUTHPOINTE OFFICE, 6000 TOWN CENTER BLVD., CANONSBURG, PA 15317, 724-873-3545. Project No./Dash No.: 140468. Task No.: 005. Sub Task No.: 00. Group ID: D. Drawing No.: E187. Page 187 of 344.

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



Stationing	Property Ownership
7602+00 - 7609+00	LL-07-058-D039 N/F CLINTON EARL MARTIN & ESTHER DAVIS PARCEL I.D. # 084 107 1066 LF
7609+00 - 7616+00	LL-07-058-D039 N/F CLINTON EARL MARTIN & ESTHER DAVIS PARCEL I.D. # 084 107 981 LF
7616+00 - 7622+00	LL-07-058-D040 N/F GARY E. MARTIN ET AL PARCEL I.D. # 084 108A 1145 LF
7622+00 - 7633+00	LL-07-058-A001 N/F DALE L. & GARY E. MARTIN PARCEL I.D. # 084 108J 1793 LF
7633+00 - 7644+00	LL-07-058-A002 N/F HOMER G. BAUSERMAN III PARCEL I.D. # 084 81 707 LF
7644+00 - 7657+50	LL-07-058-A003 N/F HOMER G. BAUSERMAN JR. TRUST C/O RENEE BAUSERMAN TRUSTEE PARCEL I.D. # 085 12 2301 LF



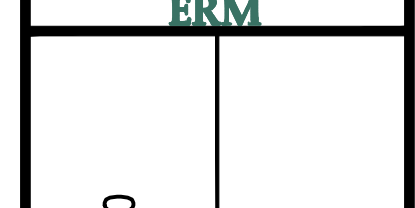
LEGEND	
	PROPERTY LINE
	FENCE
	STREAM
	EXISTING GAS PIPELINE
	OVERHEAD UTILITY LINES
	ACCESS ROAD
	PROPOSED GAS PIPELINE
	STORM SEWER
	UNDERGROUND ELECTRIC
	WATER LINE
	SANITARY SEWER
	EDGE OF GRAVEL
	PROPOSED PERMANENT EASEMENT
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
	EXTRA WORK SPACE
	AREA OF NO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

	PERMANENT WATERBAR/SLOPE BREAKER
	STREAM CROSSING
	SLOPE DIRECTION
	CULVERT WATERBAR
	LIMIT OF DISTURBANCE
	BELTED SILT RETENTION FENCE (BSRF)
	COMPOST FILTER SOCK
	SEDIMENT BARRIER IDENTIFICATION
	ORANGE SAFETY FENCE
	ROADSIDE DITCH
	SOIL TYPE
	TYPICAL BIG SLOPE CATEGORY SLOPE INCLUSION

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 SLOPES 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.4.S FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, VEGETATION, AND MAINTENANCE PLAN, SECTION V.4.S. 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	APPD.	CHKD.	DESCRIPTION



42" AP-1 PIPELINE
CONSTRUCTION ALIGNMENT STA 7602+00 TO 7657+50
 AUGUSTA COUNTY, VIRGINIA
ATLANTIC COAST PIPELINE, LLC
 C/O DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

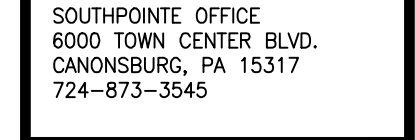
SCALE: AS SHOWN

DATE: 3/24/17

DRAWN: GPT

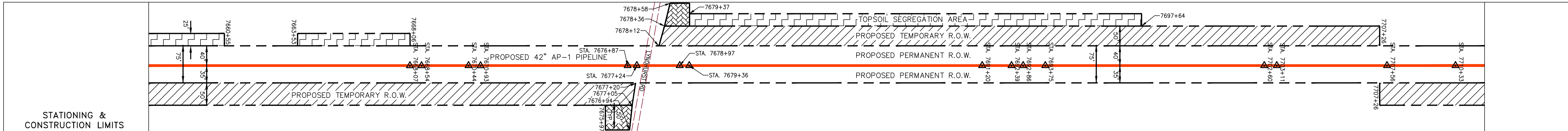
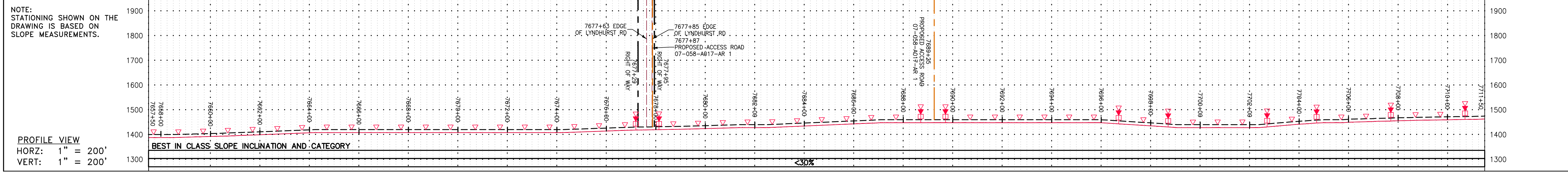
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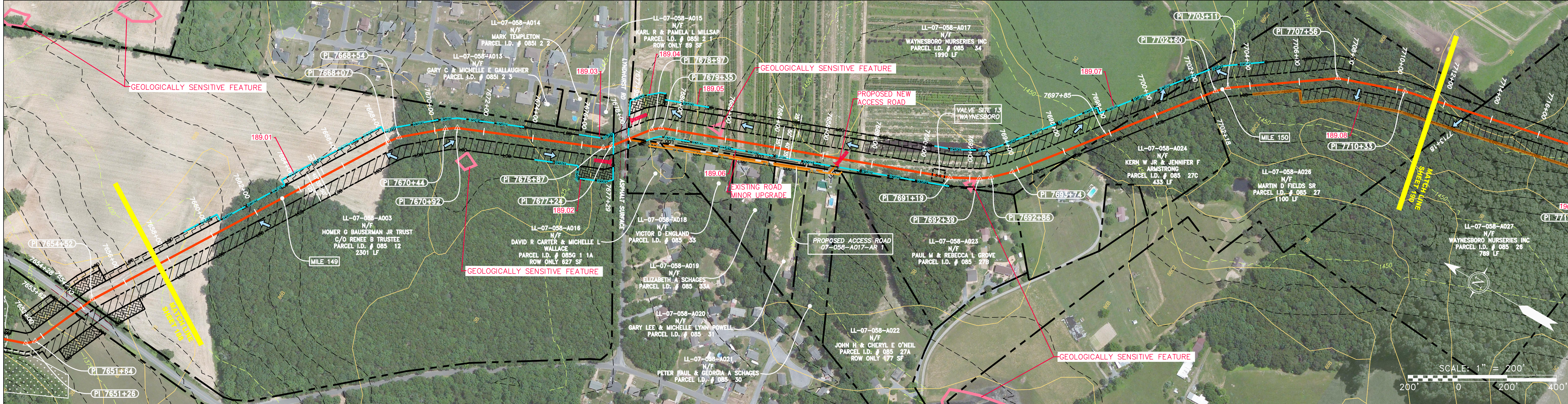


SOUTHPOINTE OFFICE
 6000 TOWN CENTER BLDG.
 CANONSBERG, PA 15317
 724-873-3545

PROJECT NO./DASH NO.	TASK NO.	SUB TASK NO.	GROUP ID	DRAWING NO.	D	OF
140468	005	00	D	E188	18	344



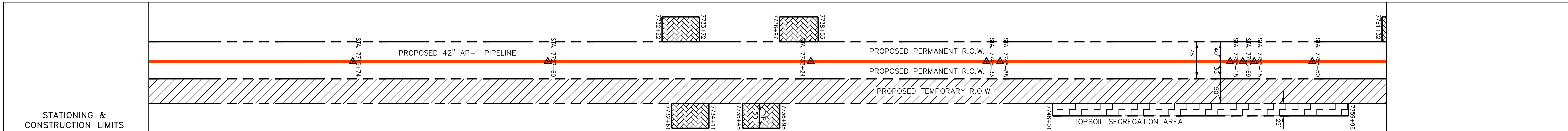
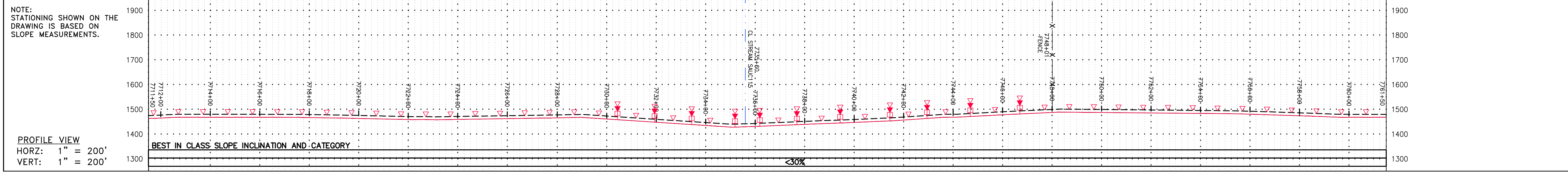
PROPERTY OWNERSHIP	STATIONING & CONSTRUCTION LIMITS
LL-07-058-A003 HOMER G. BAUSERMAN JR. TRUST C/O RENEE B. TRUSTEE PARCEL I.D. # 085 12 2301 LF	7654+28
LL-07-058-A015 N/F KARL R. & PAMELA L. MILLSAP PARCEL I.D. # 0851 2 1 ROW ONLY 89 SF	7677+24
LL-07-058-A016 N/F DAVID R. CARTER & MICHAEL L. WALLACE PARCEL I.D. # 085G 1 1A ROW ONLY 627 SF	7679+36
LL-07-058-A017 N/F WAYNESBORO NURSERIES INC PARCEL I.D. # 085 34 1990 SF	7690+00
LL-07-058-A024 N/F KERN W. JR. & JENNIFER F. ARMSTRONG PARCEL I.D. # 085 276 433 LF	7702+18
LL-07-058-A026 N/F MARTIN D. FIELDS SR. PARCEL I.D. # 085 27 1100 LF	7713+18



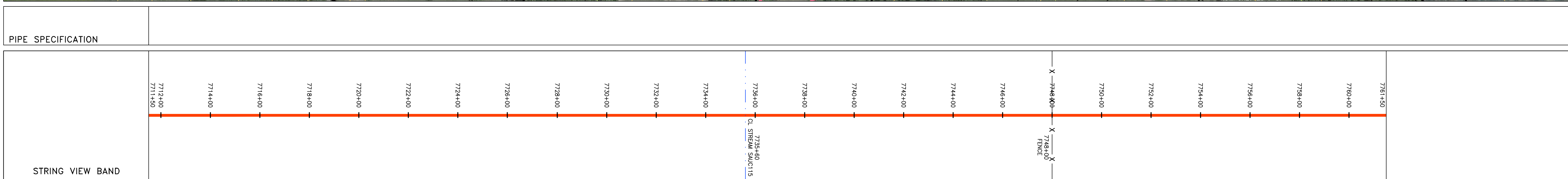
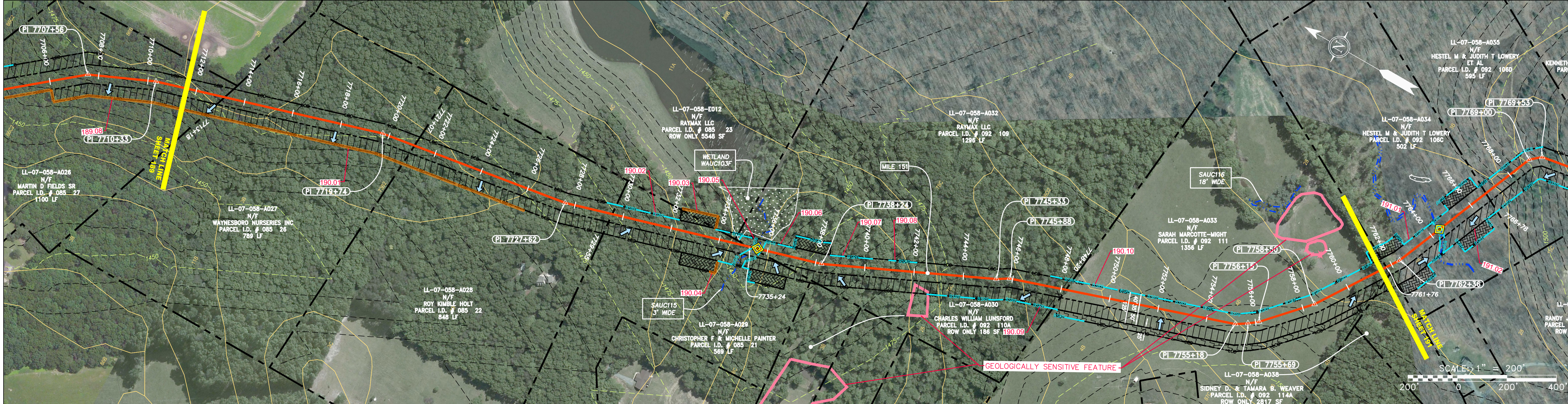
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GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 3\RR SHEETS 189-192 (46-50).DWG

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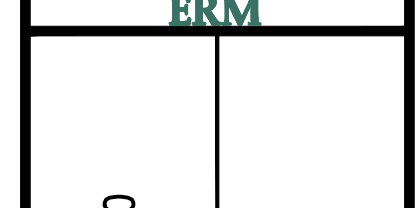


Stationing	Property Ownership
7702+18	LL-07-058-A026 N/F MARTIN D FIELDS SR PARCEL I.D. # 085 27 1100 LF
7713+18	LL-07-058-A027 N/F WAYNESBORO NURSERIES INC PARCEL I.D. # 085 26 789 LF
7721+07	LL-07-058-A028 N/F ROY KIMBLE HOLT PARCEL I.D. # 085 22 848 LF
7729+45	LL-07-058-A029 N/F CHRISTOPHER F & MICHELLE PAINTER PARCEL I.D. # 085 21 569 LF
7735+24	LL-07-058-E012 N/F RAYMAX LLC PARCEL I.D. # 085 23 ROW ONLY 5548 SF
7744+00	LL-07-058-A030 N/F CHARLES WILLIAM LUNSFORD PARCEL I.D. # 092 110A ROW ONLY 186 SF
7746+00	LL-07-058-A032 N/F RAYMAX LLC PARCEL I.D. # 092 109 1296 LF
7754+00	LL-07-058-A033 N/F SARAH MARCOTTE PARCEL I.D. # 092 111 1356 LF
7761+76	LL-07-058-A034 N/F HESTEL M. & JUDITH T. LOWERY PARCEL I.D. # 092 106C ROW ONLY 2817 SF



<p>LEGEND</p> <p>— X — X — PROPERTY LINE</p> <p>— X — X — FENCE</p> <p>— G — G — EXISTING GAS PIPELINE</p> <p>— OH — OH — OVERHEAD UTILITY LINES</p> <p>— — — PROPOSED GAS PIPELINE</p> <p>— — — PROPOSED GAS PIPELINE (NO GROUND SURVEY)</p> <p>— E — STORM SEWER</p> <p>— W — UNDERGROUND ELECTRIC</p> <p>— SAN — WATER LINE</p> <p>— SAN — SANITARY SEWER</p> <p>— — — EDGE OF GRAVEL</p> <p>— — — PROPOSED PERMANENT EASEMENT</p> <p>— — — PROPOSED PERMANENT R.O.W.</p> <p>— — — TOPSOIL SEGREGATION AREA</p> <p>— — — AREA OF NO DISTURBANCE</p> <p>— — — WETLAND (COLOR SHOWN TO PROVIDE CLARITY ONLY)</p> <p>— — — UTILITY POLE</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 BIG SLOPE CATEGORY SLOPE INCLINATION</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>— — — LOD</p> <p>— — — BSRF</p> <p>— — — 111.03</p> <p>— — — C 111.001</p> <p>— — — A1 (E)</p> <p>— — — 30-58%</p>	<p>NOTES:</p> <p>1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.</p> <p>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.</p> <p>3. IMAGERY TAKEN FROM GOOGLE EARTH.</p> <p>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.</p> <p>5. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.</p> <p>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.</p> <p>7. ALL STATIONING SHOWN IS SLOPE STATIONING.</p> <p>8. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.</p> <p>9. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.</p> <p>10. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.</p> <p>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.</p> <p>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.</p> <p>13. THE CONSTRUCTION RIGHT-OF-WAY WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.A.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, 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.</p>
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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION



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

SCALE: AS SHOWN
 DATE: 3/24/17
 DRAWN: GPT
 CHECKED: DLH
 APPROVED: NET



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

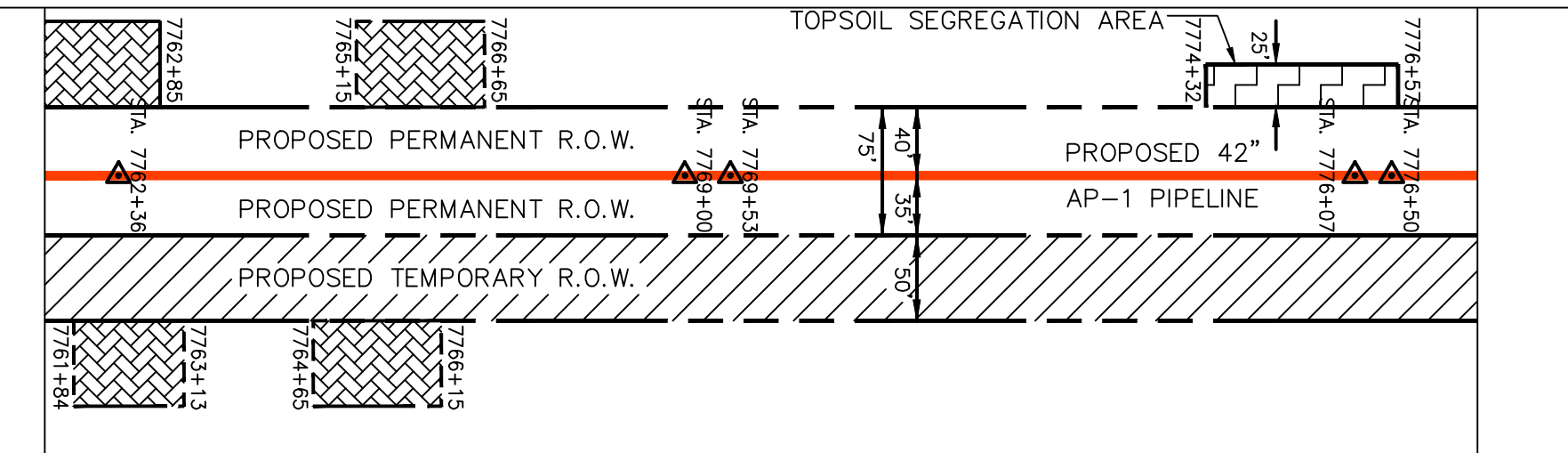
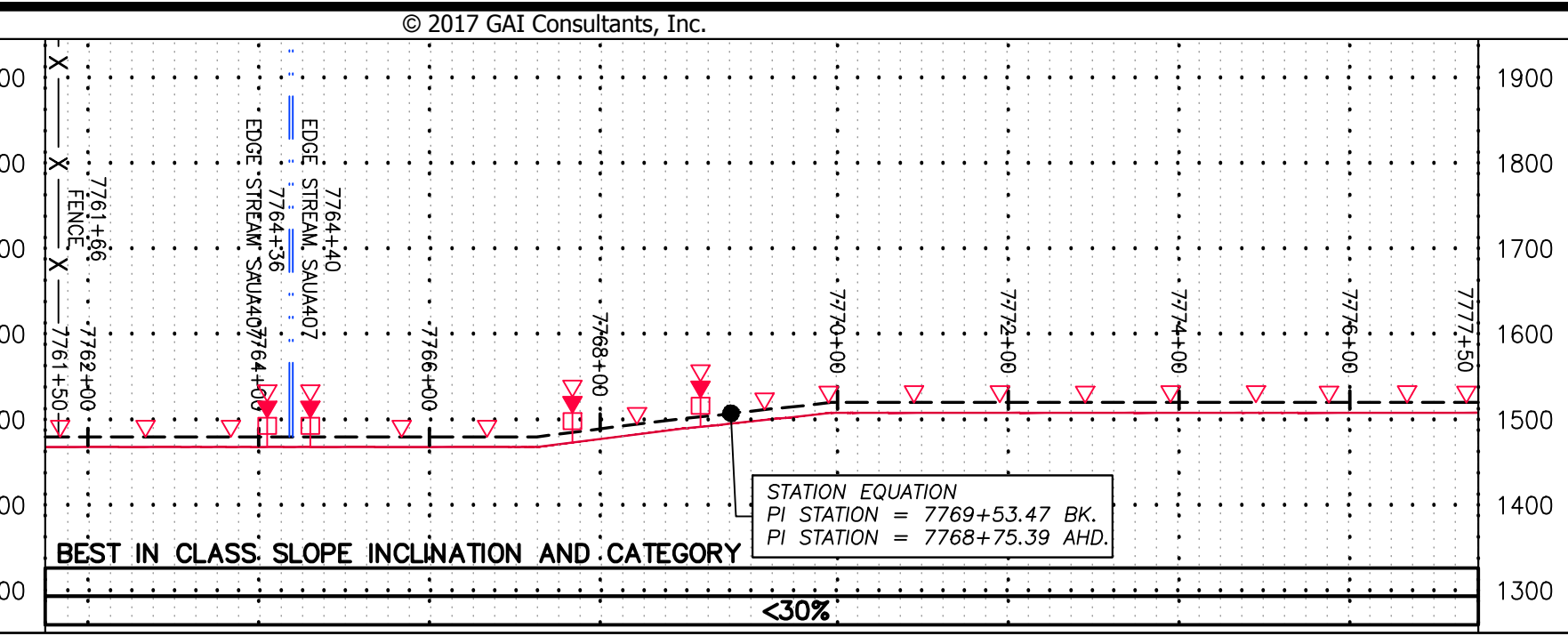
GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 3\RR SHEETS 189-192 (46-50).DWG

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

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

STATIONING &
CONSTRUCTION LIMITS

PROPERTY OWNERSHIP



LL-07-058-A034 N/F HESTEL M. & JUDITH T. LOWERY ET AL PARCEL I.D. # 092 106C 502 LF

LL-07-058-A035 N/F HESTEL M. & JUDITH T. LOWERY ET AL PARCEL I.D. # 092 106D 595 LF

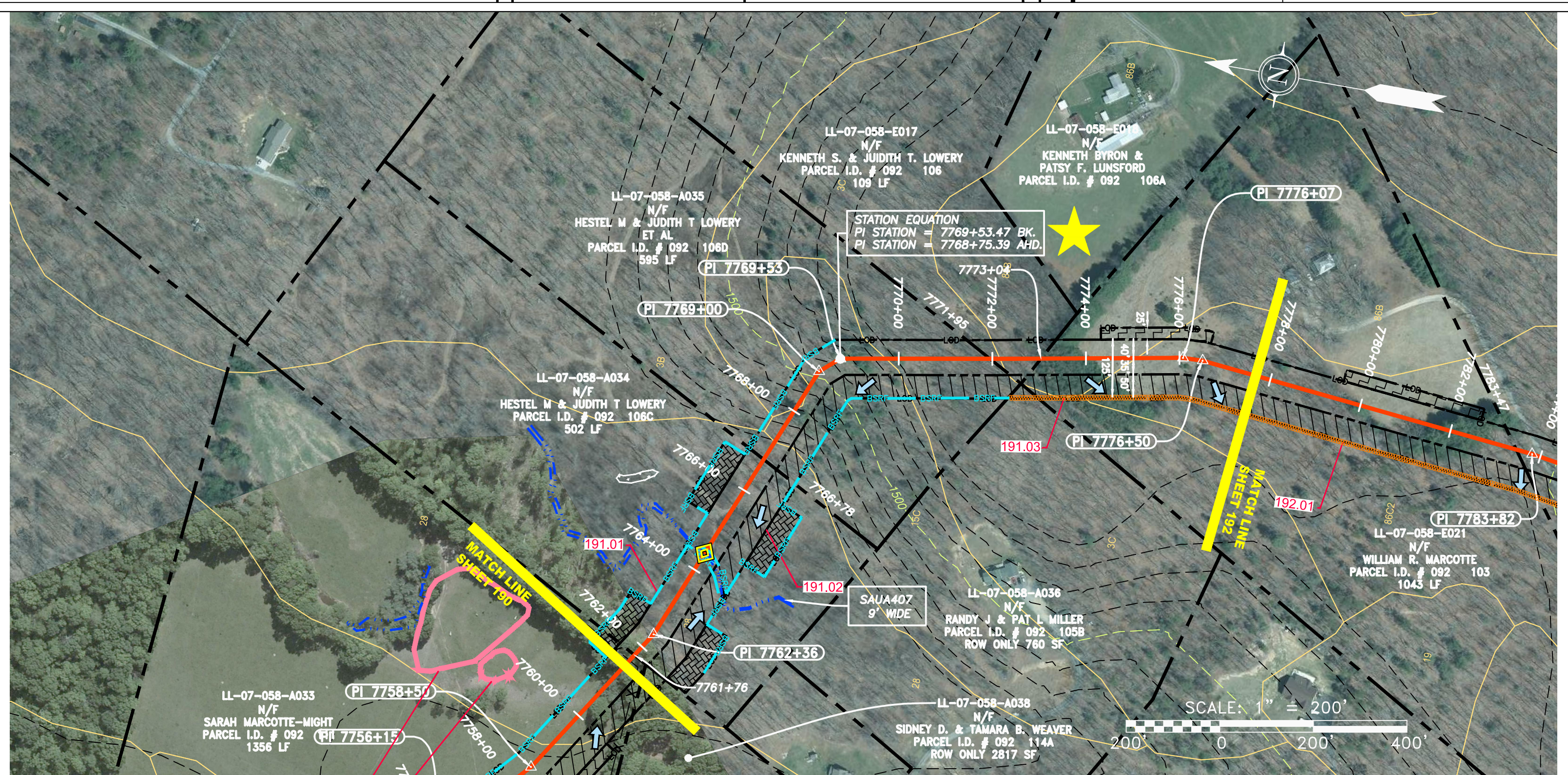
LL-07-058-E017 N/F KENNETH S. & JUDITH T. LOWERY PARCEL I.D. # 092 106 109 LF

LL-07-058-E021 N/F WILLIAM R. MARCOTTE PARCEL I.D. # 092 103 1043 LF

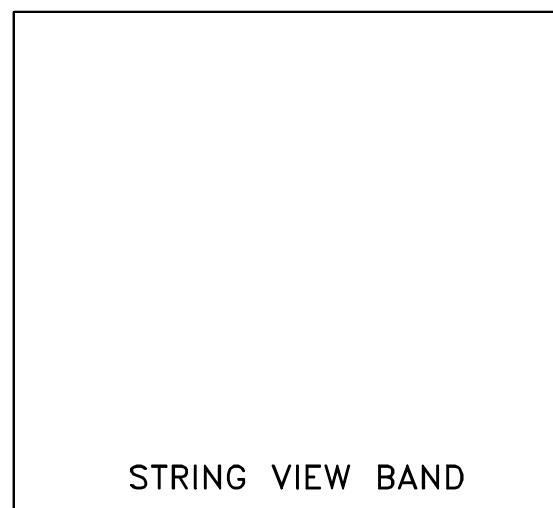
LL-07-058-A036 N/F RANDY J & PAT L MILLER PARCEL I.D. # 092 105B ROW ONLY 760 SF

LL-07-058-A033 N/F SARAH MARCOTTE-MIGHT PARCEL I.D. # 092 111 1356 LF

LL-07-058-A038 N/F SIDNEY D. & TAMARA B. WEAVER PARCEL I.D. # 092 114A ROW ONLY 2817 SF



PIPE SPECIFICATION



LEGEND

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

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

	PERMANENT WATERBAR/SLOPE BREAKER		LIMIT OF DISTURBANCE
	TEMPORARY WATERBAR/SLOPE BREAKER		BELTED SILT RETENTION FENCE (BSRF)
	TRENCH BREAKER/PLUG		COMPOST FILTER SOCK
	STREAM CROSSING		SEDIMENT BARRIER IDENTIFICATION
	USFS STREAM CROSSING WITH ENHANCED CONTROLS		CULVERT IDENTIFICATION
	SEEP		ORANGE SAFETY FENCE
	SLOPE DIRECTION		ROADSIDE DITCH
	CONSTRUCTION ENTRANCE WITH DITCH		SOIL TYPE
	CULVERT AS NEEDED		TYPICAL BK 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.
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- 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 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.A.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, 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.

111.03
C 111.001
A1 (E)
30-58%

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NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION

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

Daniel R. Goldstein
PROFESSIONAL ENGINEER
Lic. No. 047436

ERM

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

SCALE: AS SHOWN
DATE: 3/24/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

gai consultants

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

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