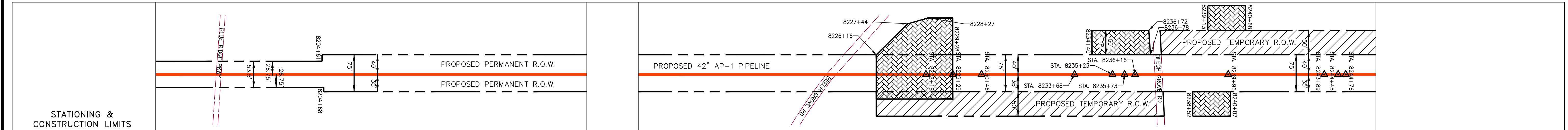
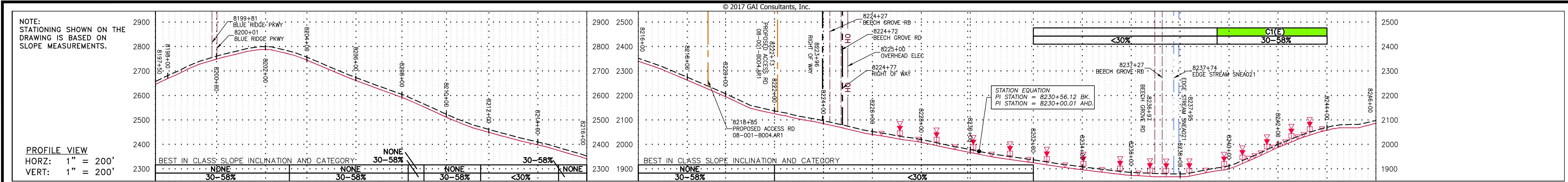
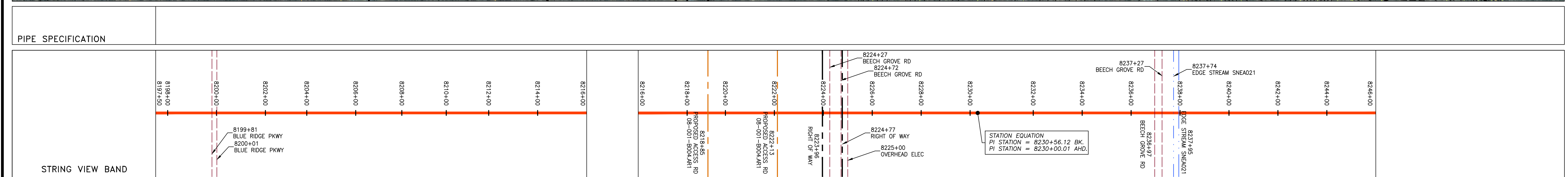
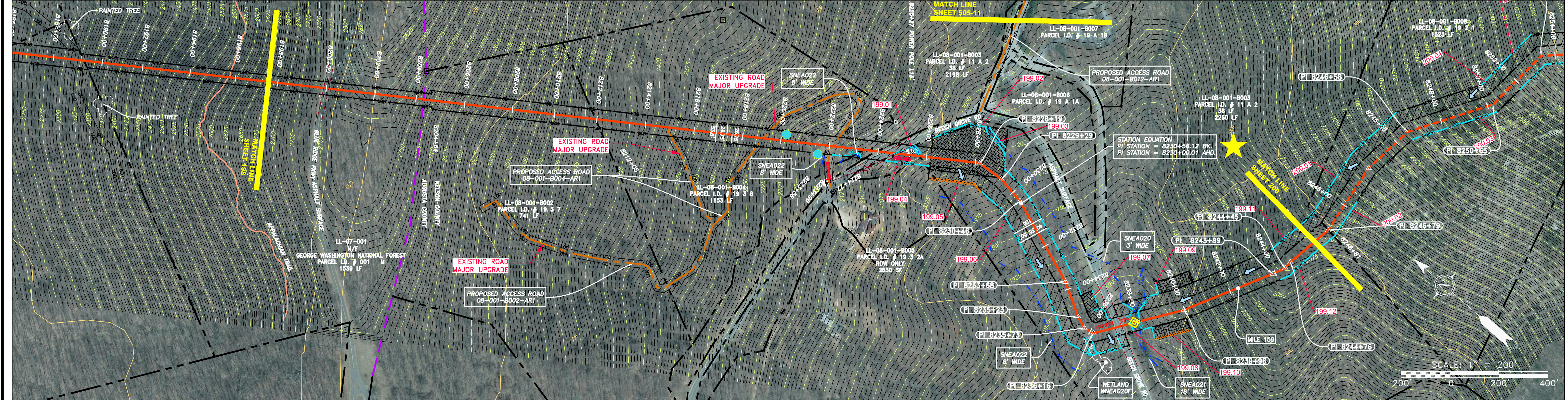


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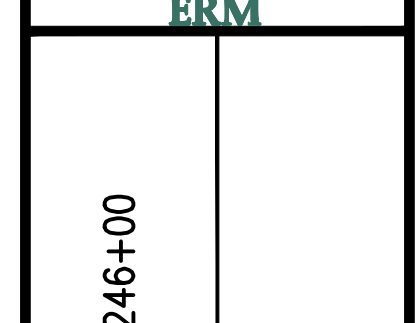


STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
8198+00 to 8200+00	LL-07-001 GEORGE WASHINGTON NATIONAL FOREST PARCEL I.D. # 001 1539 LF
8200+00 to 8204+00	LL-08-001-8002 PARCEL I.D. # 19 3 7 741 LF
8204+00 to 8212+00	LL-08-001-8004 PARCEL I.D. # 19 3 8 1153 LF
8212+00 to 8216+00	LL-08-001-8004 PARCEL I.D. # 19 3 8 1153 LF
8216+00 to 8222+00	LL-08-001-8003 PARCEL I.D. # 11 A 2 38 LF
8222+00 to 8224+00	LL-08-001-8005 PARCEL I.D. # 19 3 2A ROW ONLY 2830 SF
8224+00 to 8236+00	LL-08-001-8003 PARCEL I.D. # 11 A 2 2260 LF
8236+00 to 8246+00	LL-08-001-8008 PARCEL I.D. # 19 2 1 1523 LF



<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>— X — X — PROPERTY LINE</li> <li>— F — F — FENCE</li> <li>— G — G — STREAM</li> <li>— G — G — EXISTING GAS PIPELINE</li> <li>— OH — OH — OVERHEAD UTILITY LINES</li> <li>— — — ACCESS ROAD</li> <li>— — — PROPOSED GAS PIPELINE</li> <li>— — — PROPOSED PERMANENT EASEMENT</li> <li>— — — PROPOSED GAS PIPELINE (NO GROUND SURVEY)</li> <li>— E — E — STORM SEWER</li> <li>— W — W — UNDERGROUND ELECTRIC</li> <li>— W — W — WATER LINE</li> <li>— SAN — SAN — SANITARY SEWER</li> <li>— — — EDGE OF GRAVEL</li> <li>— — — WETLAND</li> <li>— — — EXTRA WORK SPACE</li> <li>— — — AREA OF NO DISTURBANCE</li> <li>— — — TOPSOIL SEGREGATION AREA</li> <li>— — — PROPOSED TEMPORARY R.O.W.</li> <li>— — — UTILITY POLE</li> </ul>	<ul style="list-style-type: none"> <li>▲ PERMANENT WATERBAR/SLOPE BREAKER</li> <li>▲ TEMPORARY WATERBAR/SLOPE BREAKER</li> <li>▲ TRENCH BREAKER/PLUG</li> <li>▲ STREAM CROSSING</li> <li>▲ USFWS STREAM CROSSING WITH ENHANCED CONTROLS</li> <li>▲ SEEP</li> <li>▲ SLOPE DIRECTION</li> <li>▲ CONSTRUCTION ENTRANCE WITH DITCH</li> <li>▲ CULVERT AS NEEDED</li> <li>▲ CULVERT WATERBAR</li> <li>— LOD — LIMIT OF DISTURBANCE</li> <li>— BSRF — BELTED SILT RETENTION FENCE (BSRF)</li> <li>— — — COMPOST FILTER SOCK</li> <li>— — — SEDIMENT BARRIER IDENTIFICATION</li> <li>— — — CULVERT IDENTIFICATION</li> <li>— — — BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.</li> <li>— — — ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 1 AND 2</li> <li>— — — HAVE ADEQUATE EXISTING DRAINAGE/DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.</li> <li>— — — 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.</li> <li>— — — 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.</li> </ul>	<p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.</li> <li>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.</li> <li>IMAGERY TAKEN FROM GOOGLE EARTH.</li> <li>THE PROPERTY LINES SHOWN ARE BASED ON GIS &amp; 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.</li> <li>STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.</li> <li>EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.</li> <li>ALL STATIONING SHOWN IS SLOPE STATIONING.</li> <li>SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.</li> <li>BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.</li> <li>EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.</li> <li>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</li> <li>HAVE ADEQUATE EXISTING DRAINAGE/DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.</li> <li>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.</li> <li>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.</li> </ol>
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NO.	DATE	BY	CHKD.	APPVD.	DESCRIPTION



**42" AP-1 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 8197+50 TO 8246+00**  
 AUGUSTA & NELSON COUNTIES, VIRGINIA  
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE:	AS SHOWN
DATE:	6/20/17
DRAWN:	GPT
CHECKED:	DLH
APPROVED:	NET



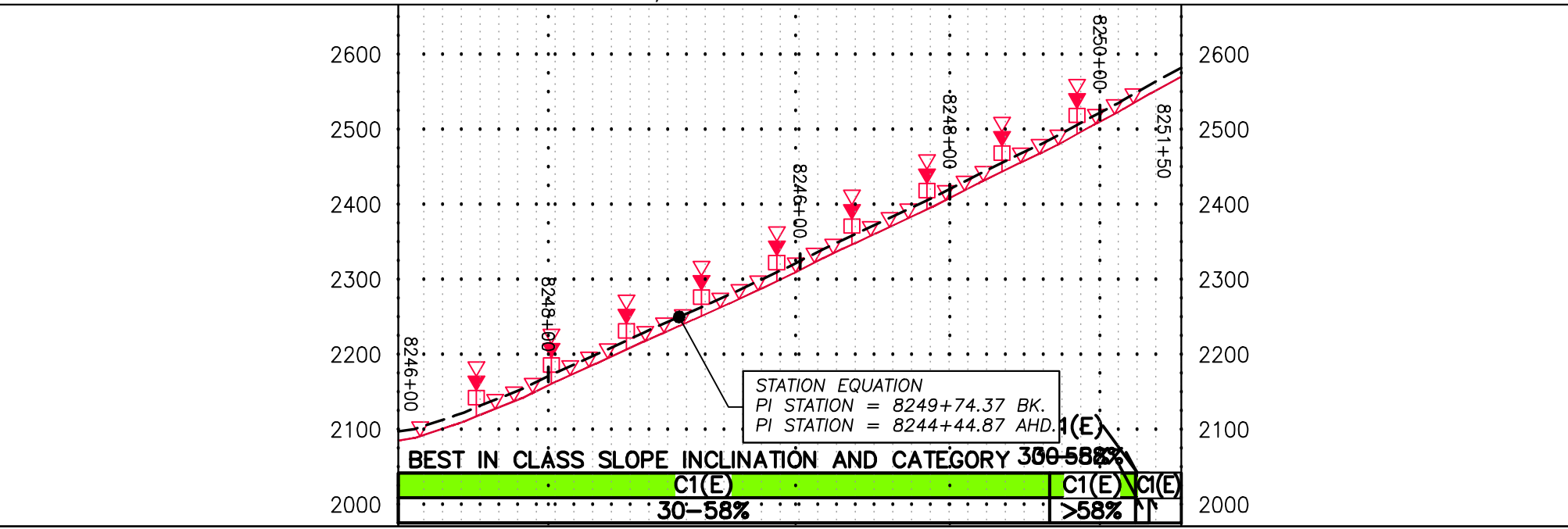
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TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E199
199 OF 344	



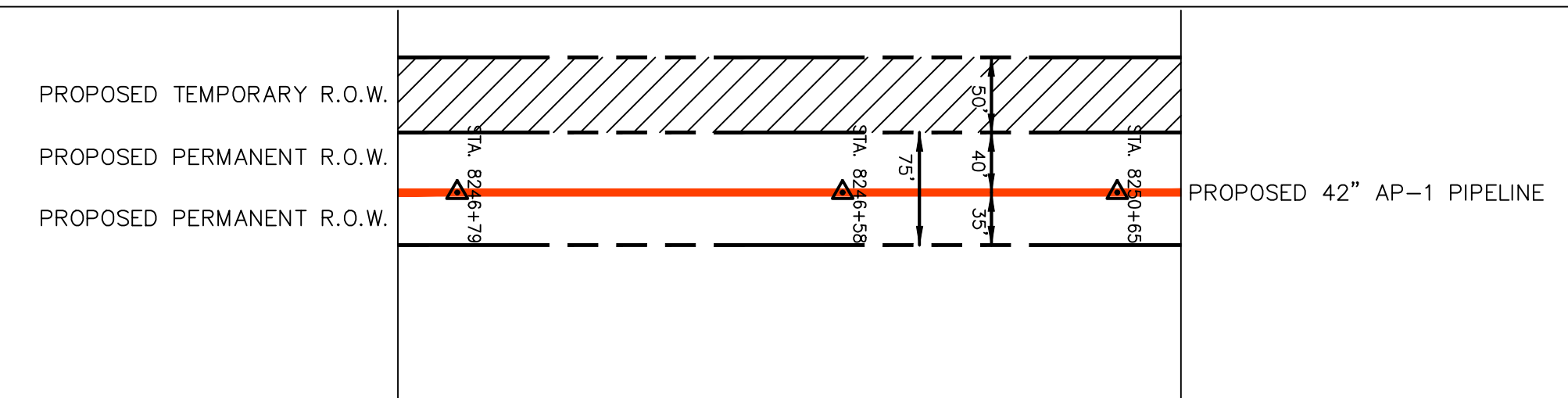
NOTE:  
STATIONING SHOWN ON THE  
DRAWING IS BASED ON  
SLOPE MEASUREMENTS.

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

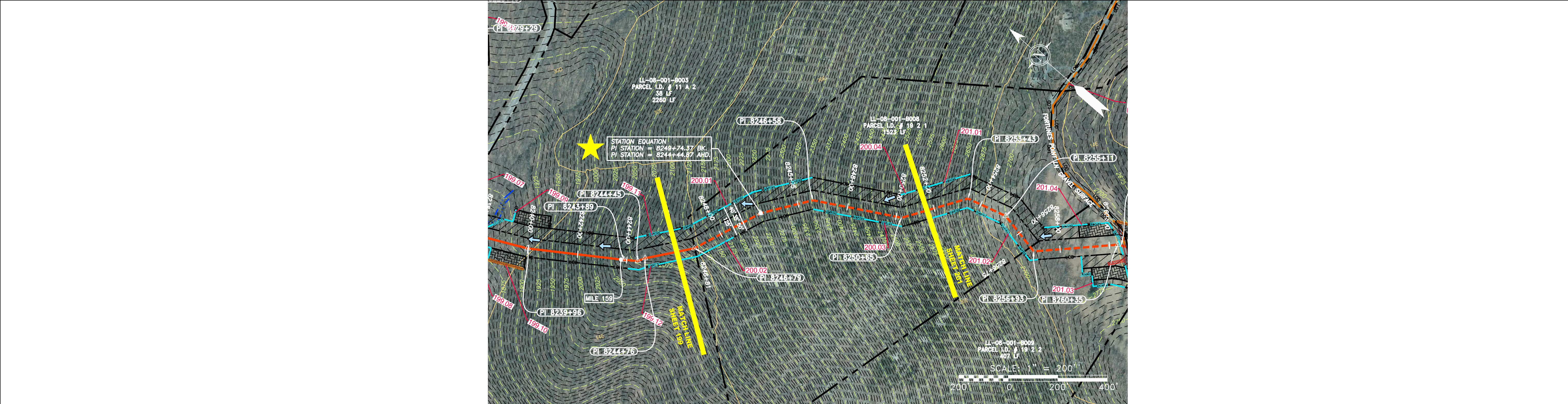
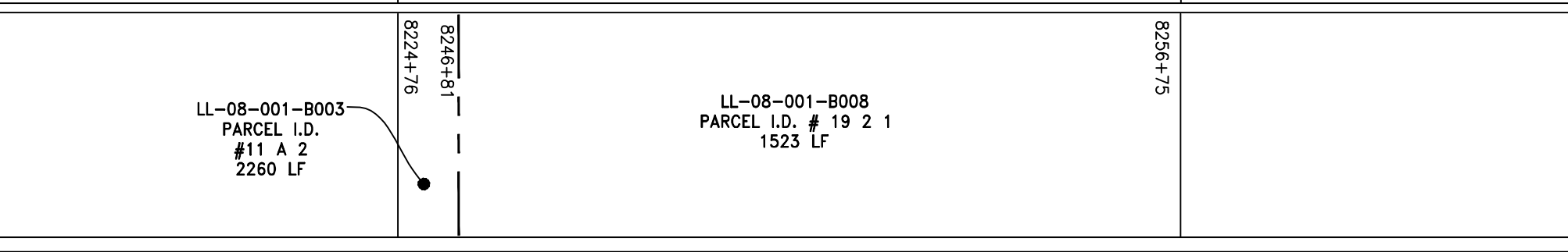
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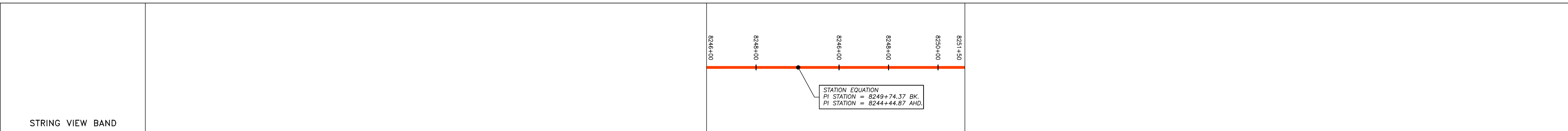
STATIONING &  
CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION



**LEGEND**

— X — X —	PROPERTY LINE	— E —	STORM SEWER	[Hatched Box]	EXTRA WORK SPACE	[Hatched Box]	TOPSOIL SEGREGATION AREA	[Red Triangle]	PERMANENT WATERBAR/SLOPE BREAKER	[Blue Line]	LOD	[Blue Line]	LIMIT OF DISTURBANCE
— W —	FENCE	— W —	UNDERGROUND ELECTRIC	[Dotted Box]	AREA OF NO DISTURBANCE	[Hatched Box]	PROPOSED TEMPORARY R.O.W.	[Red Triangle]	TEMPORARY WATERBAR/SLOPE BREAKER	[Orange Line]	BSRF	[Blue Line]	BELTED SILT RETENTION FENCE (BSRF)
— G — G —	STREAM	— W —	WATER LINE	[Green Box]	UTILITY POLE	[Green Box]	WETLAND	[Red Triangle]	TRENCH BREAKER/PLUG	[Orange Line]	111.00	[Orange Line]	COMPOST FILTER SOCK
— OH —	EXISTING GAS PIPELINE	— W —	SANITARY SEWER	[Green Box]	NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).			[Red Triangle]	STREAM CROSSING	[Orange Line]	C 111.001	[Orange Line]	SEDIMENT BARRIER IDENTIFICATION
— OH —	OVERHEAD UTILITY LINES	— W —	EDGE OF GRAVEL					[Red Triangle]	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	[Orange Line]	111.001	[Orange Line]	CULVERT IDENTIFICATION
— OH —	PROPOSED GAS PIPELINE	— W —	PROPOSED PERMANENT EASEMENT					[Red Triangle]	SLOPE DIRECTION	[Orange Line]	111.001	[Orange Line]	ORANGE SAFETY FENCE
— OH —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)	— W —	PROPOSED PERMANENT EASEMENT					[Red Triangle]	CONSTRUCTION ENTRANCE WITH DITCH	[Orange Line]	111.001	[Orange Line]	ROADSIDE DITCH
								[Red Triangle]	CULVERT AS NEEDED	[Orange Line]	111.001	[Orange Line]	SOIL TYPE
								[Red Triangle]	CULVERT WATERBAR	[Orange Line]	111.001	[Orange Line]	TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION

**NOTES:**

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**REVISIONS**

NO.	DATE	BY	DESCRIPTION

**Professional Engineer Seal:**  
Daniel R. Goldstein  
Lic. No. 047436  
Professional Engineer  
ERM

42" AP-1 PIPELINE  
CONSTRUCTION ALIGNMENT STA 8246+00 TO 8251+50  
NELSON COUNTIES, VIRGINIA  
ATLANTIC COAST PIPELINE, LLC  
C/O DOMINION TRANSMISSION, INC.  
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE: AS SHOWN  
DATE: 6/20/17  
DRAWN: GPT  
CHECKED: DLH  
APPROVED: NET

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

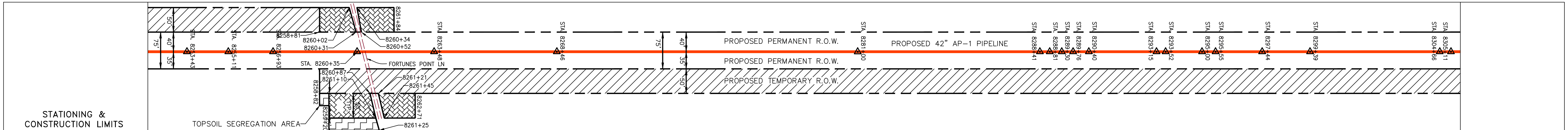
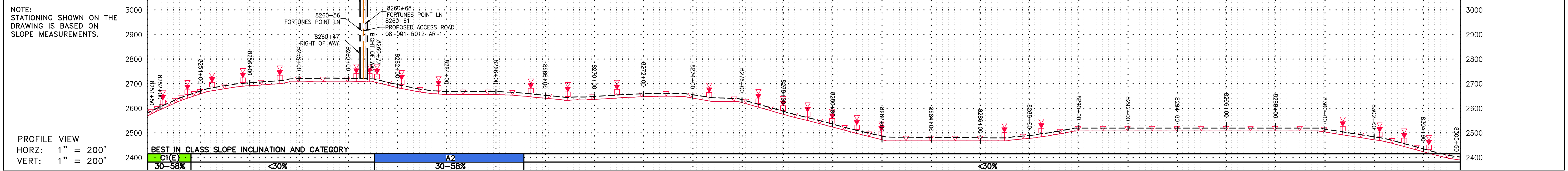
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TASK NO. SUB TASK NO.  
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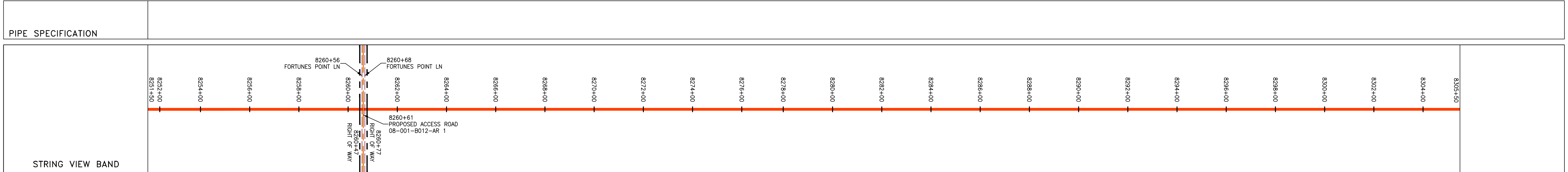
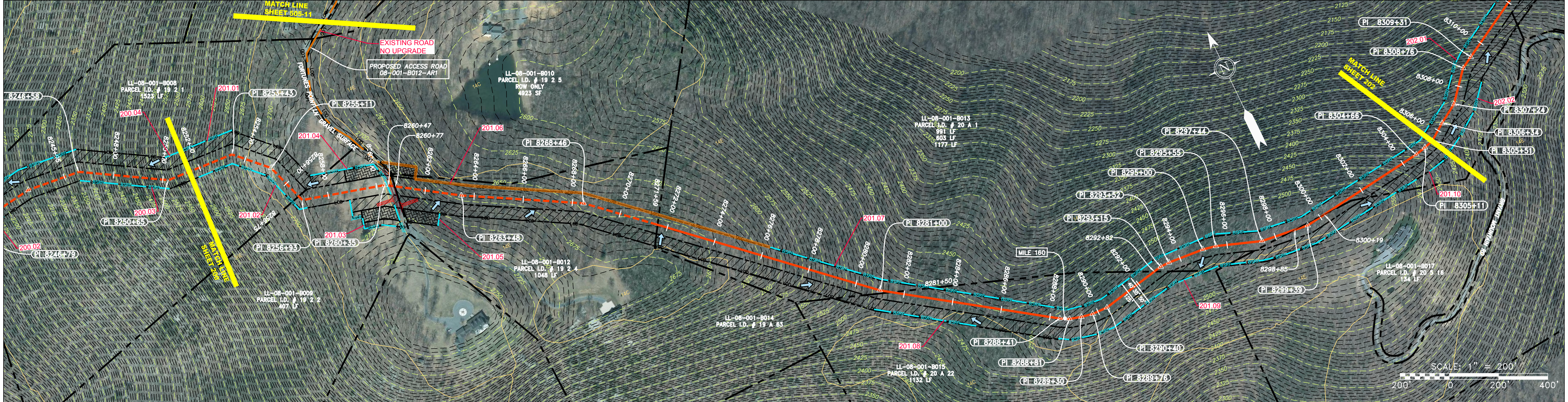
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**D E200**

**200 OF 344**





Stationing	Property Ownership
8251+50 to 8255+00	LL-08-001-8008 PARCEL I.D. # 19 2 1 1523 LF
8255+00 to 8260+00	LL-08-001-8009 PARCEL I.D. # 19 2 2 407 LF
8260+00 to 8265+00	LL-08-001-8010 PARCEL I.D. # 19 2 5 ROW ONLY 4923 SF
8265+00 to 8270+00	LL-08-001-8012 PARCEL I.D. # 19 2 4 1048 LF
8270+00 to 8275+00	LL-08-001-8013 PARCEL I.D. # 20 A 1 991 LF
8275+00 to 8280+00	LL-08-001-8015 PARCEL I.D. # 20 A 22 1132 LF
8280+00 to 8285+00	LL-08-001-8017 PARCEL I.D. # 20 5 16 134 LF
8285+00 to 8290+00	LL-08-001-8013 PARCEL I.D. # 20 A 1 603 LF
8290+00 to 8300+00	LL-08-001-8013 PARCEL I.D. # 20 A 1 1177 LF
8300+00 to 8305+50	LL-08-001-8013 PARCEL I.D. # 20 A 1 1177 LF



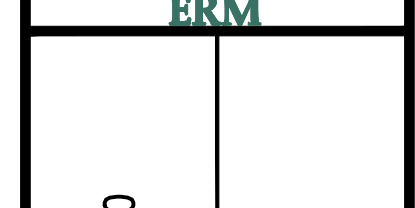
LEGEND	
	PROPERTY LINE
	FENCE
	STREAM
	EXISTING GAS PIPELINE
	OVERHEAD UTILITY LINES
	ACCESS ROAD
	PROPOSED GAS PIPELINE
	STORM SEWER
	UNDERGROUND ELECTRIC
	WATER LINE
	SANITARY SEWER
	EDGE OF GRAVEL
	PROPOSED PERMANENT EASEMENT
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)
	EXTRA WORK SPACE
	AREA OF NO 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 DIRECTION
	CULVERT ENTRANCE WITH DITCH
	CULVERT AS NEEDED
	CULVERT WATERBAR
	LOD
	BSRF
	LIMIT OF DISTURBANCE
	BELTED SILT RETENTION FENCE (BSRF)
	COMPOST FILTER SOCK
	SEDIMENT BARRIER IDENTIFICATION
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	ORANGE SAFETY FENCE
	ROADSIDE DITCH
	SOIL TYPE
	TYPICAL BIG SLOPE CATEGORY
	SLOPE INCLINATION

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NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION



**42" AP-1 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 8251+50 TO 8305+50**  
 NELSON COUNTY, VIRGINIA  
**ATLANTIC COAST PIPELINE, LLC**  
 C/O DOMINION TRANSMISSION, INC.  
 925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE: AS SHOWN  
 DATE: 6/20/17  
 DRAWN: GPT  
 CHECKED: DLH  
 APPROVED: NET



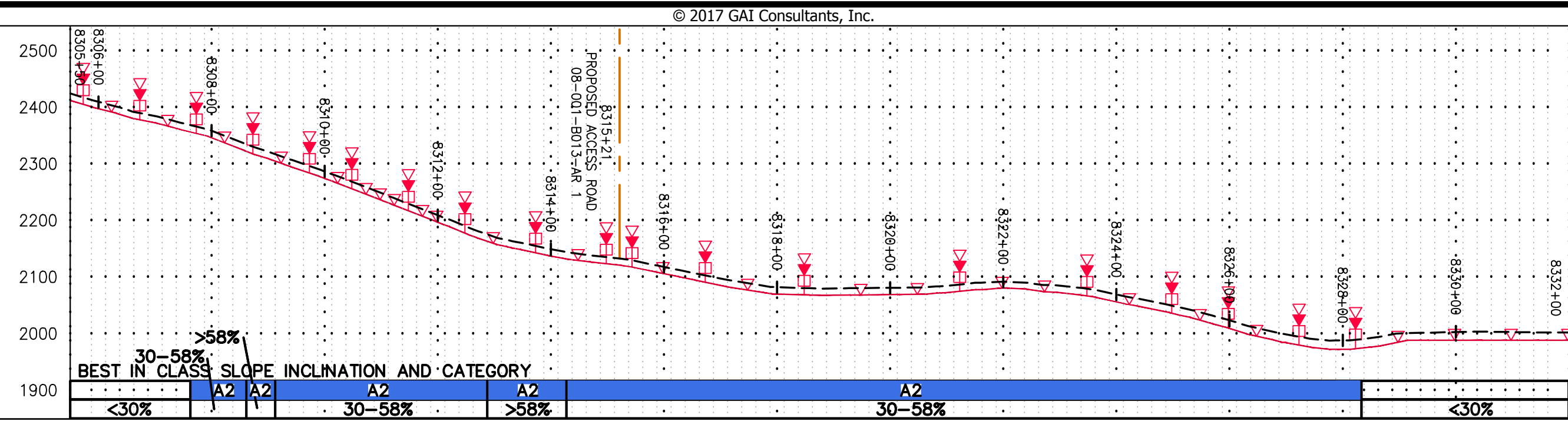
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TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E201
201 OF 344	

GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 3\BACKUP\E&S BACKUPS\RR SHEETS 199-205 (56-60).DWG

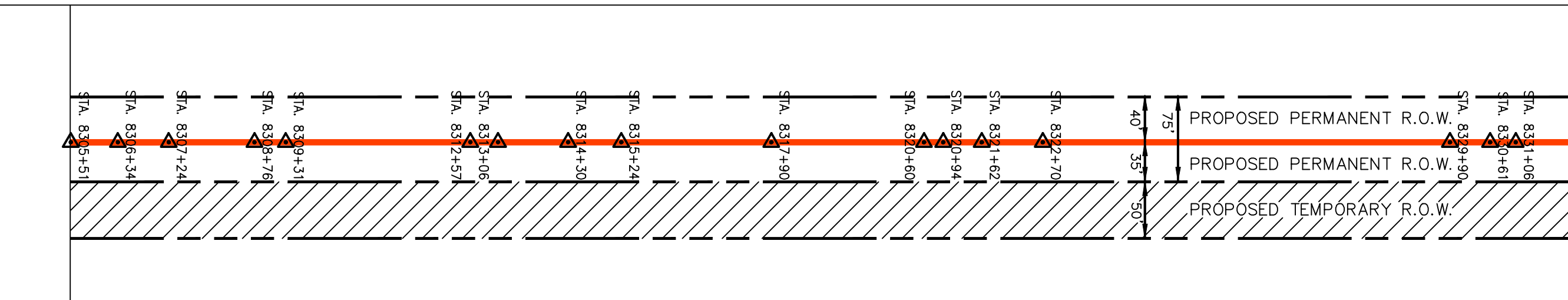


NOTE:  
STATIONING SHOWN ON THE  
DRAWING IS BASED ON  
SLOPE MEASUREMENTS.

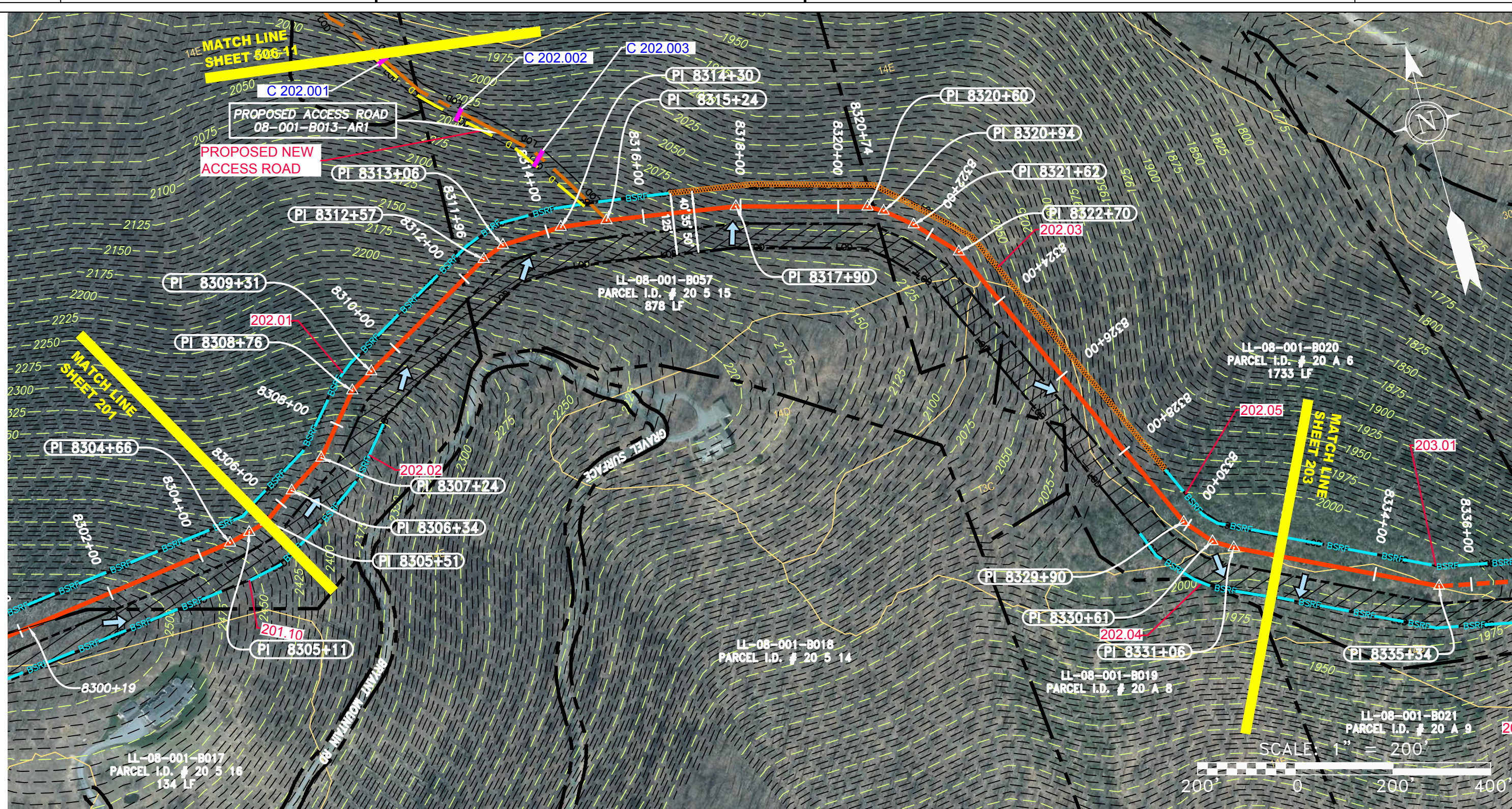
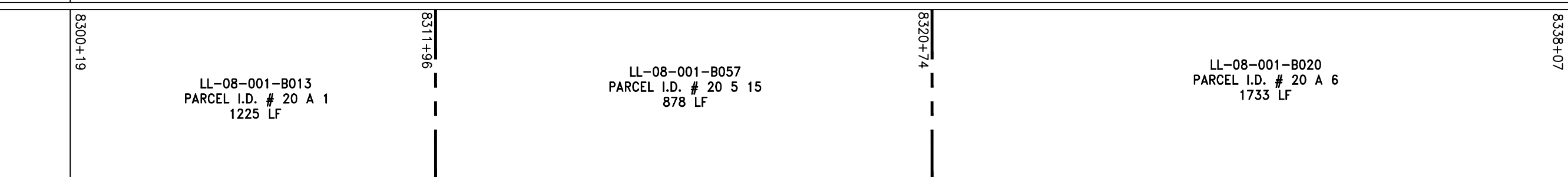
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VERT: 1" = 200'



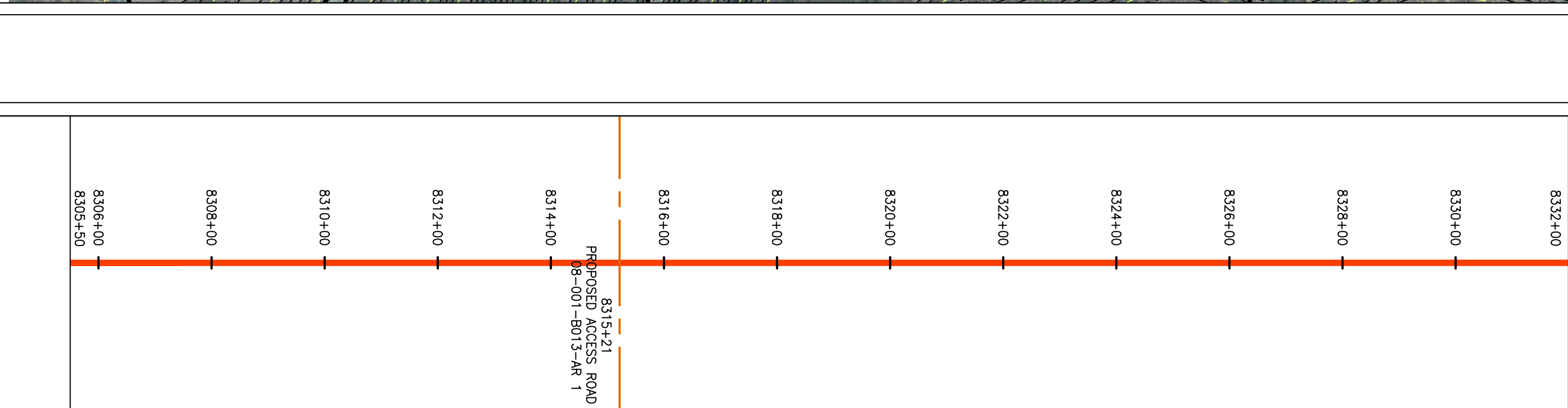
STATIONING &  
CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION



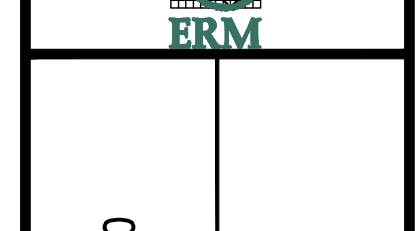
LEGEND

- PROPERTY LINE
- FENCE
- STREAM
- EXISTING GAS PIPELINE
- OVERHEAD UTILITY LINES
- 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.
- UTILITY POLE
- EXTRA WORK SPACE
- TOPSOIL SEGREGATION AREA
- AREA OF NO DISTURBANCE
- WETLAND
- NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).
- 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
- LOD
- BSRF
- 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:

- 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 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.

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION



42" AP-1 PIPELINE  
CONSTRUCTION ALIGNMENT STA 8305+50 TO 8332+00  
NELSON COUNTY, VIRGINIA

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

SCALE: AS SHOWN  
DATE: 6/20/17  
DRAWN: GPT  
CHECKED: DLH  
APPROVED: NET



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

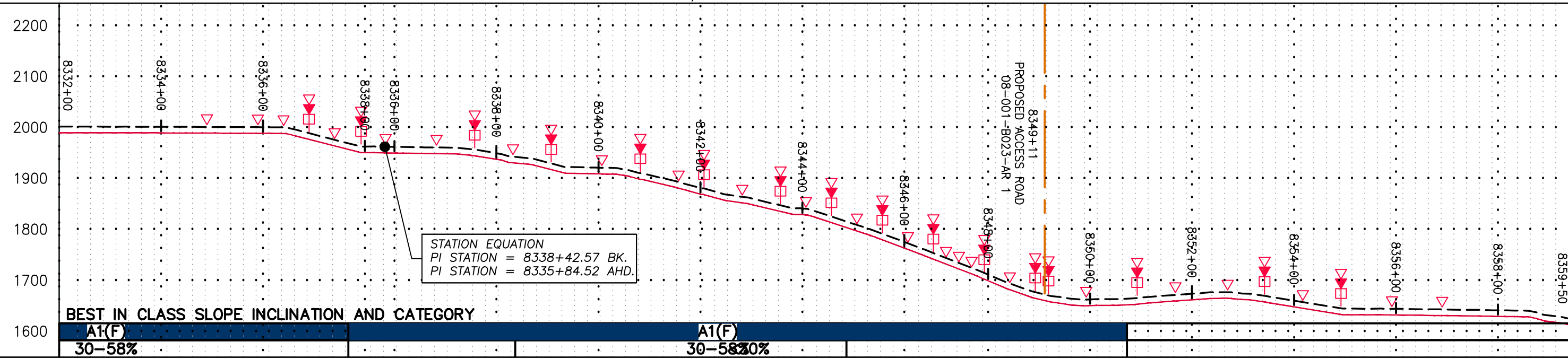
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TASK NO. SUB TASK NO.	005 00
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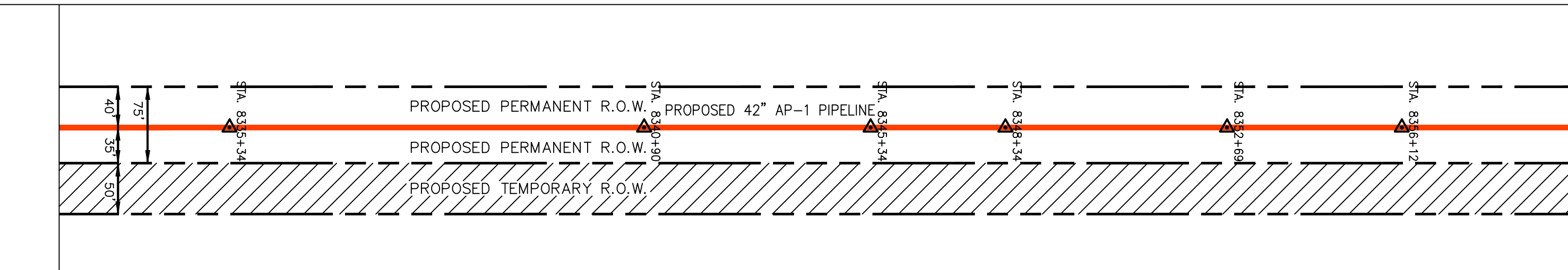
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NOTE:  
STATIONING SHOWN ON THE  
DRAWING IS BASED ON  
SLOPE MEASUREMENTS.

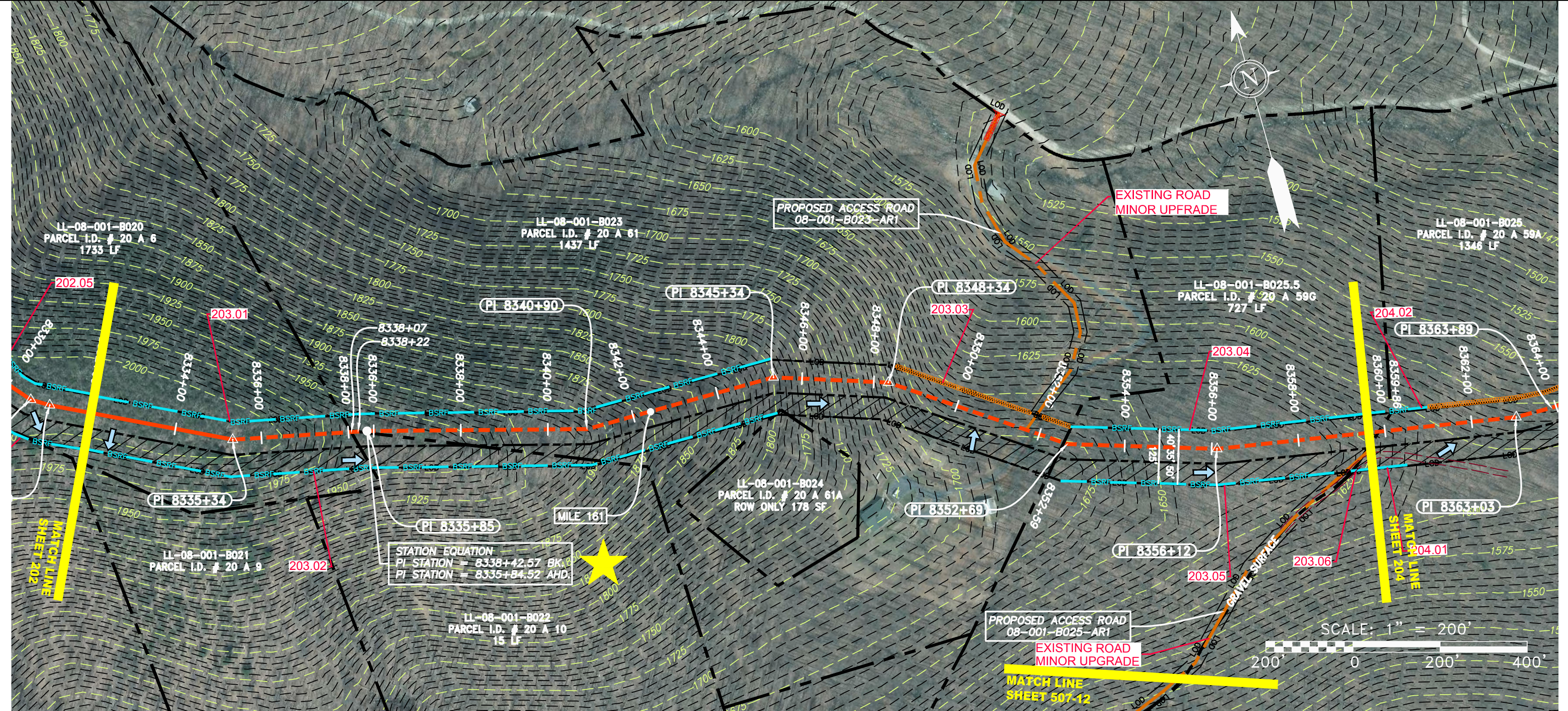
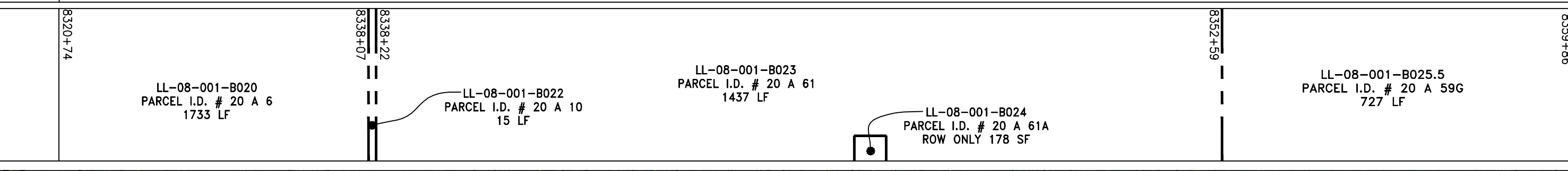
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HORZ: 1" = 200'  
VERT: 1" = 200'



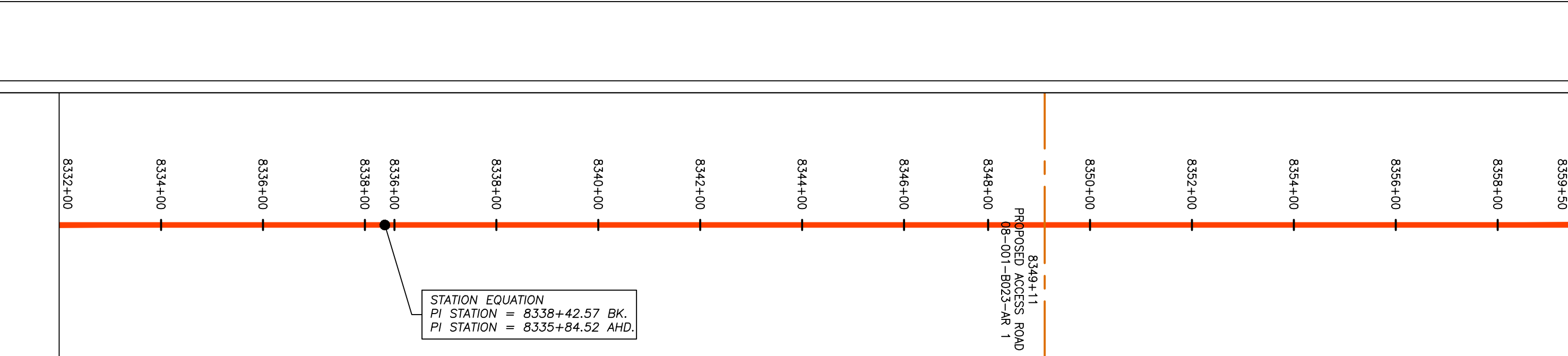
STATIONING &  
CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



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  
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

LOD  
BSRF  
COMPOST FILTER SOCK  
111.03  
C 111.01  
ORANGE SAFETY FENCE  
ROADSIDE DITCH  
SOIL TYPE  
A1(E)  
30-58%

LIMIT OF DISTURBANCE  
BELTED SILT RETENTION FENCE (BSRF)  
SEDIMENT BARRIER IDENTIFICATION  
CULVERT IDENTIFICATION  
ROADSIDE DITCH  
SOIL TYPE  
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, 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.
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NO.	DATE	DWN.	CHKD.	APPVD.	DESCRIPTION

PROFESSIONAL ENGINEER  
  
 DANIEL R. GOLDSTEIN  
 Lic. No. 047436

ERM

42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA 8332+00 TO 8359+50  
 NELSON COUNTY, VIRGINIA

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

SCALE: AS SHOWN  
 DATE: 6/20/17  
 DRAWN: GPT  
 CHECKED: DLH  
 APPROVED: NET

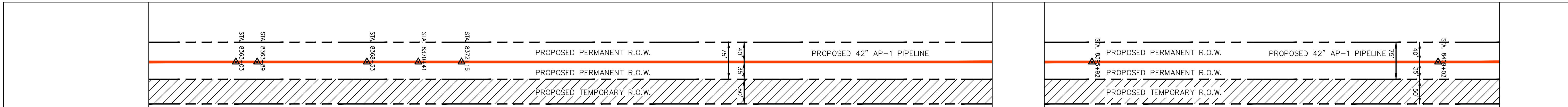
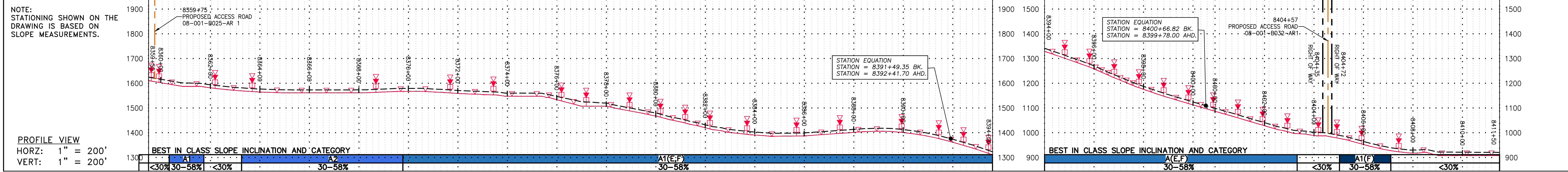
SOUTHPOINTE OFFICE  
 6000 TOWN CENTER BLVD.  
 CANONSBURG, PA 15317  
 724-873-3545

PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E203
203 OF 344	

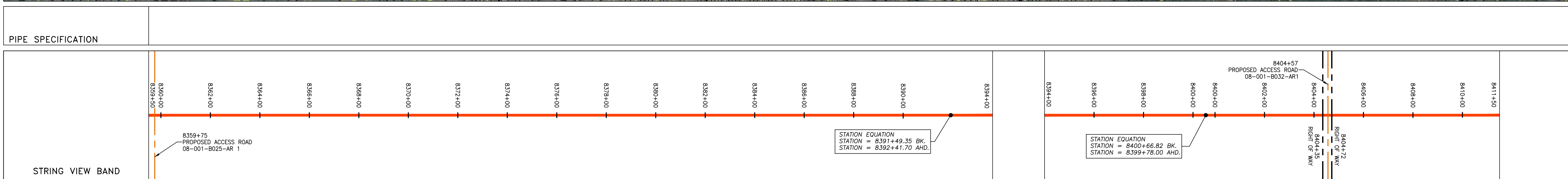


GAI CAD FILE NO. R:\050-5159 - GAI - THRASHER - SERP - MAPPING\SURVEY DRAWING\SEC 3\BACKUP\E&S BACKUPS\RR SHEETS 199-205 (56-60).DWG

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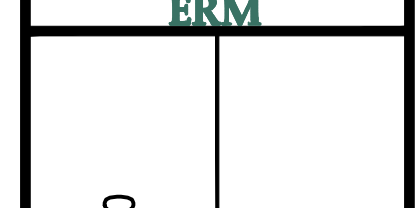


STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
<p>8359+75</p> <p>8363+00</p> <p>8368+00</p> <p>8372+00</p> <p>8377+00</p> <p>8382+00</p> <p>8387+00</p> <p>8392+00</p> <p>8394+00</p>	<p>LL-08-001-8025.5 PARCEL I.D. # 20 A 59G 727 LF</p> <p>LL-08-001-8025 PARCEL I.D. # 20 A 59A 1346 LF</p> <p>LL-08-001-8026 PARCEL I.D. # 20 1 1C 759 LF</p> <p>LL-08-001-8026 PARCEL I.D. # 20 1 1C 1473 LF</p>
<p>8394+00</p> <p>8398+00</p> <p>8400+00</p> <p>8404+00</p> <p>8408+00</p> <p>8411+50</p>	<p>LL-08-001-8026 PARCEL I.D. # 20 1 40 516 LF</p> <p>LL-08-001-8030 PARCEL I.D. # 20 1 39 516 LF</p> <p>LL-08-001-8032 PARCEL I.D. # 20 1 12 131 LF</p> <p>LL-08-001-8034 PARCEL I.D. # 21 1 13 536 LF</p> <p>LL-08-001-8033 PARCEL I.D. # 21 16 11 66 LF</p>



<p><b>LEGEND</b></p> <p>— X — X — FENCE</p> <p>— G — G — EXISTING GAS PIPELINE</p> <p>— OH — OVERHEAD UTILITY LINES</p> <p>— — — PROPOSED GAS PIPELINE</p> <p>— — — PROPOSED GAS PIPELINE (NO GROUND SURVEY)</p> <p>— E — UNDERGROUND ELECTRIC</p> <p>— W — WATER LINE</p> <p>— SAN — SANITARY SEWER</p> <p>— — — PROPOSED PERMANENT EASEMENT</p> <p>— — — STORM SEWER</p> <p>— — — EXTRA WORK SPACE</p> <p>— — — AREA OF NO DISTURBANCE</p> <p>— — — WETLAND</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 WATERBAR</p> <p>— LOD — LIMIT OF DISTURBANCE</p> <p>— BSRF — 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><b>NOTES:</b></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 &amp; 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 SLOPE 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 (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. 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	DWN.	CHKD.	APPD.	DESCRIPTION



**42" AP-1 PIPELINE**  
**CONSTRUCTION ALIGNMENT STA 8359+50 TO 8411+50**  
 NELSON COUNTY, VIRGINIA

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

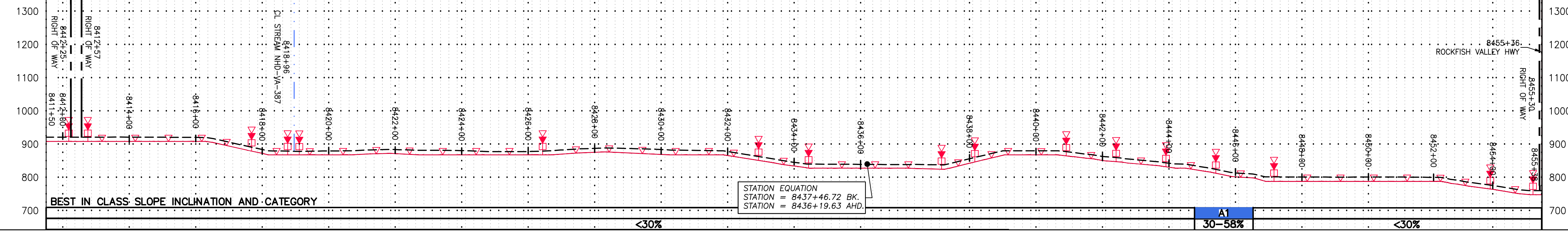
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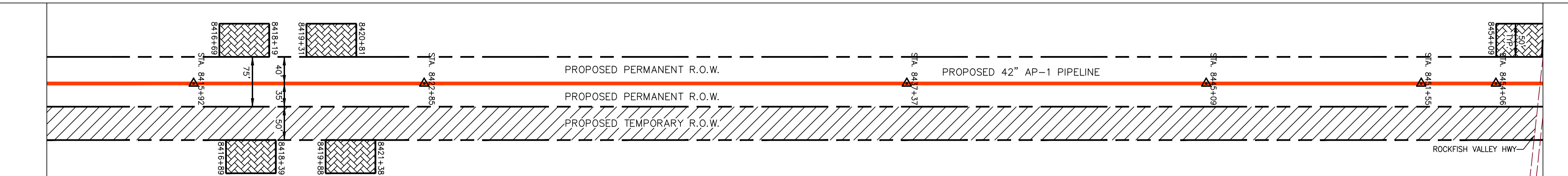
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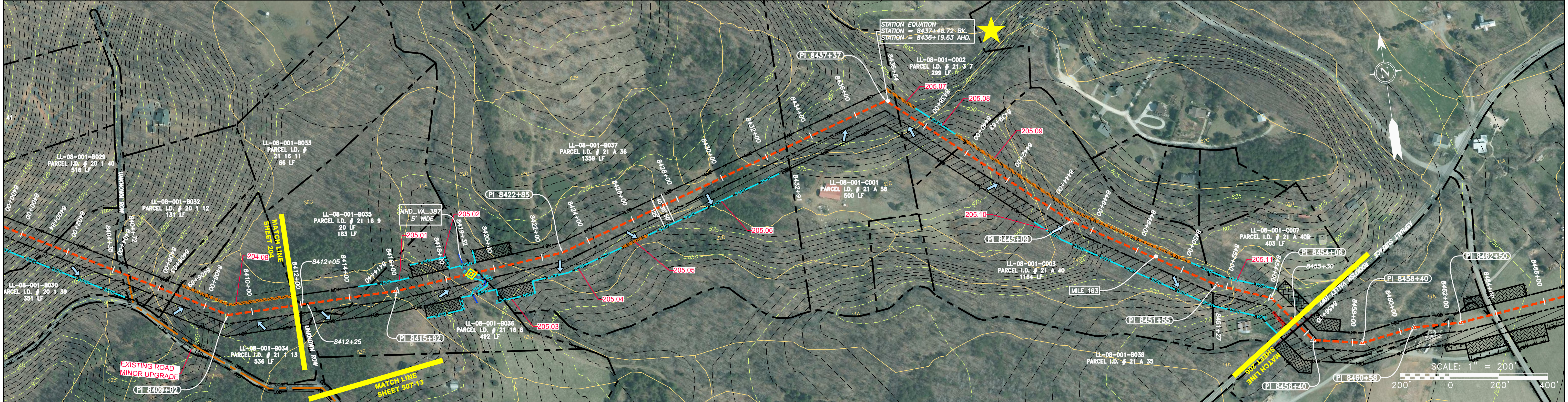
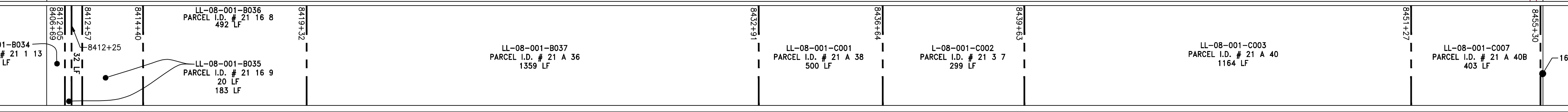
NOTE: STATIONING SHOWN ON THE DRAWING IS BASED ON SLOPE MEASUREMENTS.  
  
PROFILE VIEW  
HORZ: 1" = 200'  
VERT: 1" = 200'



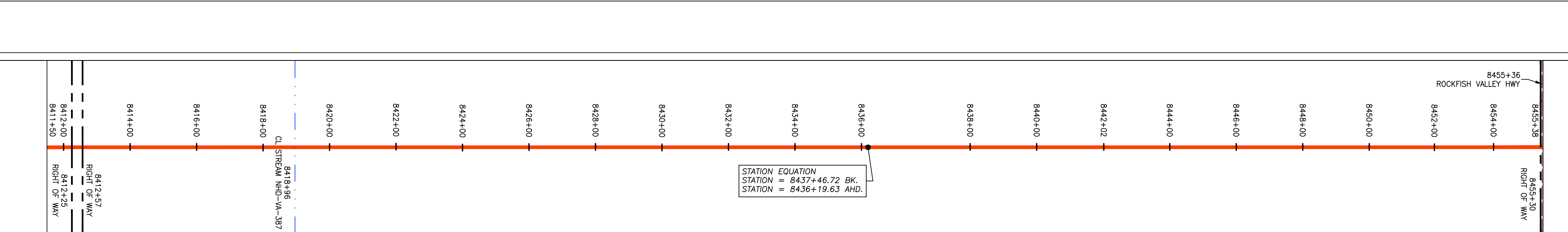
STATIONING & CONSTRUCTION LIMITS



PROPERTY OWNERSHIP



PIPE SPECIFICATION



LEGEND

Legend table with symbols for: PROPERTY LINE, FENCE, STREAM, EXISTING GAS PIPELINE, OVERHEAD UTILITY LINES, 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, TOPSOIL SEGREGATION AREA, AREA OF NO DISTURBANCE, WETLAND, UTILITY POLE, PERMANENT WATERBAR/SLOPE BREAKER, BELTED SILT RETENTION FENCE (BSRF), TRENCH BREAKER/PLUG, STREAM CROSSING, USFWS STREAM CROSSING WITH ENHANCED CONTROLS, SLOPE DIRECTION, CONSTRUCTION ENTRANCE WITH DITCH, CULVERT AS NEEDED, CULVERT WATERBAR, LOD, BSRF, 111.03, C 111.001, 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 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, REVEGETATION, 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.

Table with columns: NO., DATE, DWN., CHKD., APPVD., DESCRIPTION. Includes a signature for Daniel R. Goldstein, Professional Engineer, License No. 047436.

42" AP-1 PIPELINE  
CONSTRUCTION ALIGNMENT STA 8411+50 TO 8455+38  
NELSON COUNTY, VIRGINIA  
ATLANTIC COAST PIPELINE, LLC  
C/O DOMINION TRANSMISSION, INC.  
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

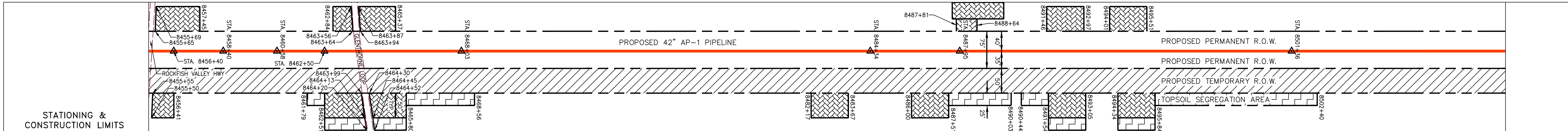
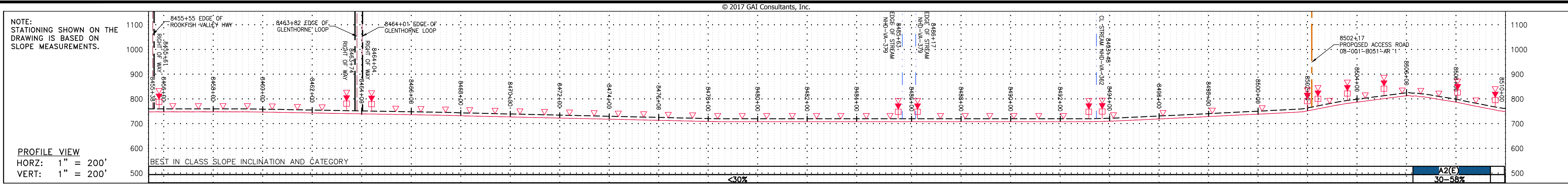
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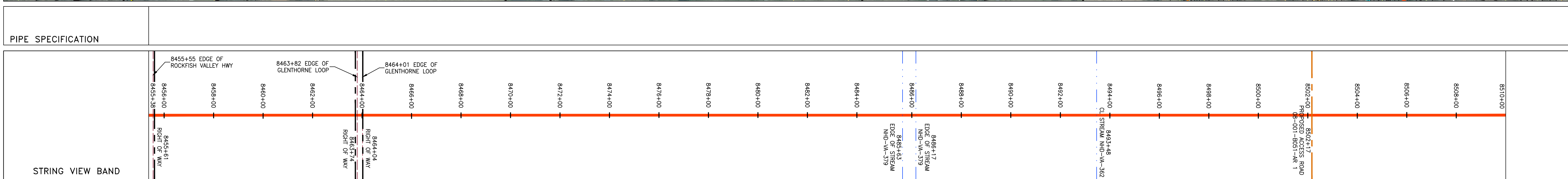
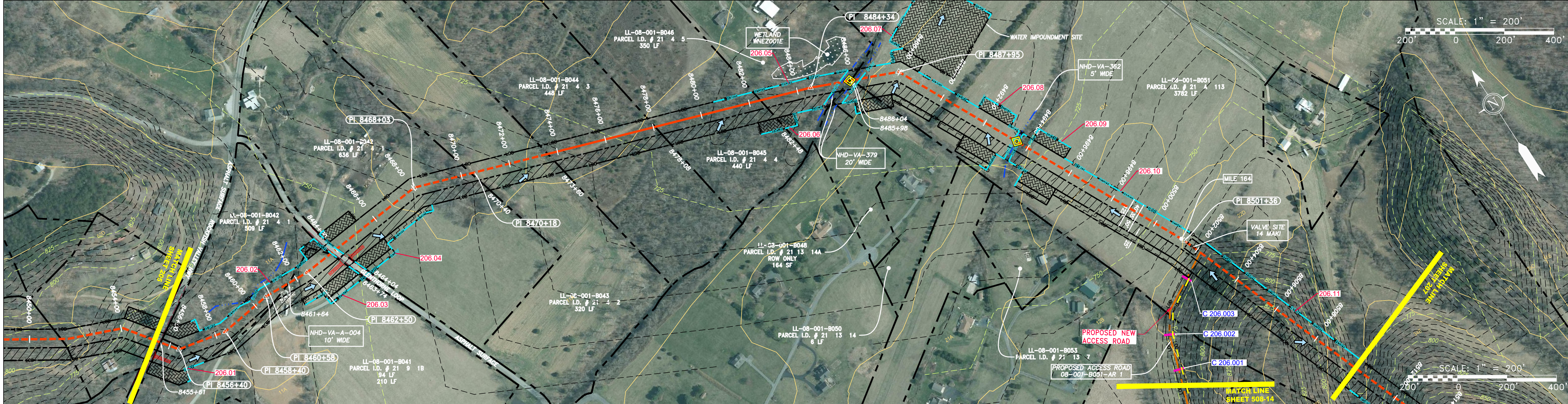
Table with columns: PROJECT NO./DASH NO., TASK NO., SUB TASK NO., GROUP ID, DRAWING NO., 205 OF 344.



GAI CAD FILE NO. \VTG-FS1\THRASHER\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 4\BACKUP\SEC 4 SHEETS - 206-210 (1-5).DWG

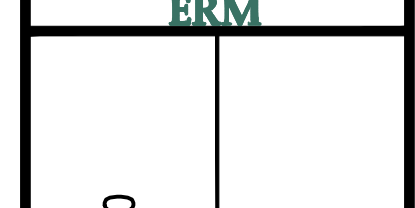


STATIONING & CONSTRUCTION LIMITS	PROPERTY OWNERSHIP
8455+00	LL-08-001-B041 PARCEL I.D. # 21 9 1B 94 LF
8456+00	LL-08-001-B042 PARCEL I.D. # 21 4 1 509 LF
8462+00	LL-08-001-B042 PARCEL I.D. # 21 4 1 636 LF
8464+00	LL-08-001-B043 PARCEL I.D. # 21 4 2 320 LF
8466+00	LL-08-001-B044 PARCEL I.D. # 21 4 3 448 LF
8472+00	LL-08-001-B045 PARCEL I.D. # 21 4 4 440 LF
8474+00	LL-08-001-B046 PARCEL I.D. # 21 4 5 350 LF
8482+00	LL-08-001-B048 PARCEL I.D. # 21 13 14A 164 SF
8484+00	LL-08-001-B050 PARCEL I.D. # 21 13 14 6 LF
8490+00	LL-08-001-B051 PARCEL I.D. # 21 A 113 3782 LF
8510+00	



<p><b>LEGEND</b></p> <p>— X — X — PROPERTY LINE</p> <p>— F — F — FENCE</p> <p>— G — G — STREAM</p> <p>— G — G — EXISTING GAS PIPELINE</p> <p>— OH — OH — OVERHEAD UTILITY LINES</p> <p>— — — — — ACCESS ROAD</p> <p>— — — — — PROPOSED GAS PIPELINE</p> <p>— E — E — STORM SEWER</p> <p>— W — W — UNDERGROUND ELECTRIC</p> <p>— SAN — SAN — 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>NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&amp;S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).</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>SOIL TYPE</p> <p>AI (E) 30-58%</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><b>NOTES:</b></p> <p>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 GIA CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.</p> <p>2. THE PROPERTY LINES SHOWN ARE BASED ON GIS &amp; 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.</p> <p>3. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.</p> <p>4. 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>5. ALL STATIONING SHOWN IS SLOPE STATIONING.</p> <p>6. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.</p> <p>7. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.</p> <p>8. 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>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.</p> <p>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.</p> <p>11. 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, REVEGETATION, 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.</p>
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NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION



42" AP-1 PIPELINE  
 CONSTRUCTION ALIGNMENT STA 8455+38 TO 8510+00  
 NELSON COUNTY, VIRGINIA

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

SCALE: AS SHOWN  
 DATE: 6/20/17  
 DRAWN: GPT  
 CHECKED: DLH  
 APPROVED: NET



PROJECT NO./DASH NO.	140468
TASK NO. SUB TASK NO.	005 00
GROUP ID DRAWING NO.	D E206
206 OF 344	

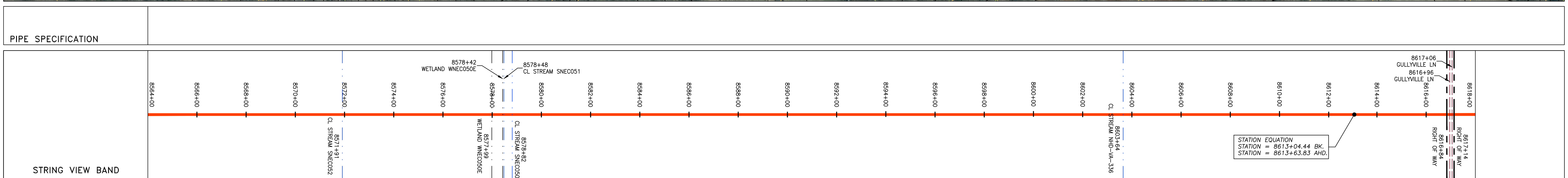
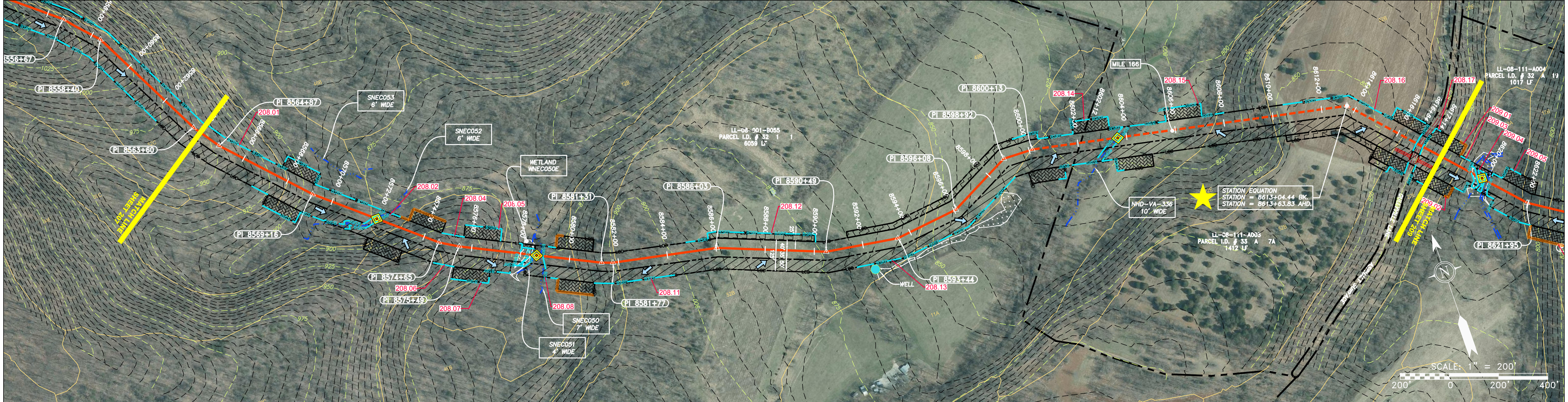
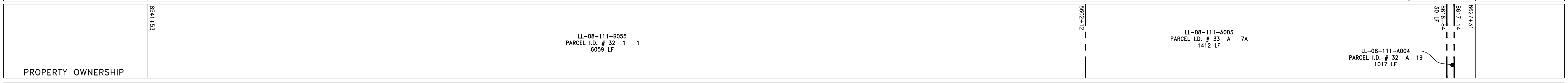
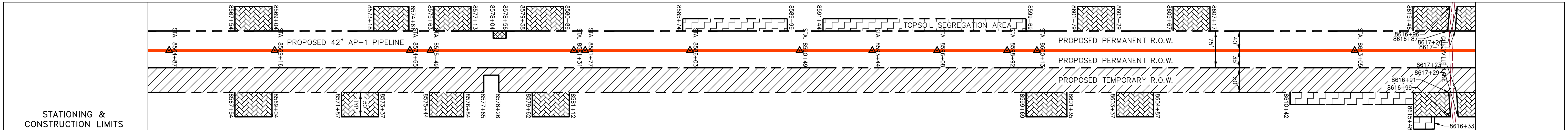
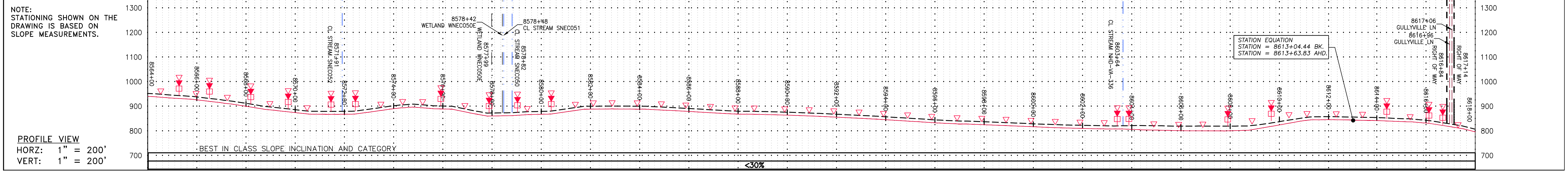






GAI CAD FILE NO. \VTG-FS1\THRASHER\_050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\SURVEY\DRAWING\SEC 4\BACKUP\SEC 4 SHEETS - 206-210 (1-5).DWG

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**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)
	STREAM CROSSING		COMPOST FILTER SOCK
	USFWS STREAM CROSSING WITH ENHANCED CONTROLS		SEDIMENT BARRIER IDENTIFICATION
	SLOPE DIRECTION		CULVERT IDENTIFICATION
	CONSTRUCTION ENTRANCE WITH DITCH		ORANGE SAFETY FENCE
	CULVERT WATERBAR		ROADSIDE DITCH
			SOIL TYPE
			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, 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) 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.

REVISIONS	
NO.	DATE
CHKD.	DWN.
APPVD.	DESCRIPTION

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

SCALE: AS SHOWN  
 DATE: 6/20/17  
 DRAWN: GPT  
 CHECKED: DLH  
 APPROVED: NET

PROJECT NO./DASH NO. 140468  
 TASK NO. SUB TASK NO. 005 00  
 GROUP ID DRAWING NO. D E208  
 208 OF 344