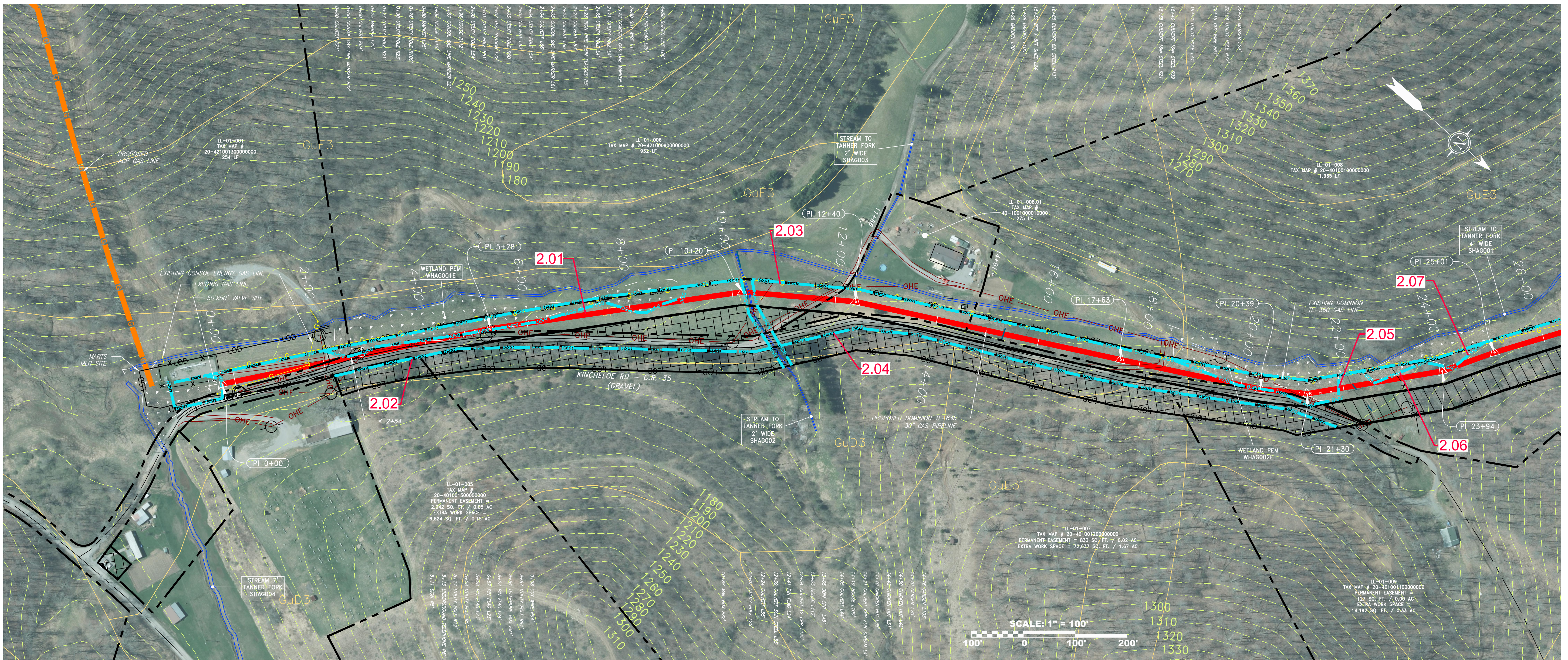


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LEGEND

	PROPOSED GAS PIPELINE		EDGE OF PAVEMENT
	PROPOSED GAS PIPELINE (NO GROUND SURVEY)		PROPOSED ACCESS ROAD
	EXISTING GAS PIPELINE		ROAD
	PROPOSED PERMANENT EASEMENT		STREAM
	PROPERTY LINE		DITCH
	FENCE		OVERHEAD UTILITY LINES
	EDGE OF GRAVEL		CULVERT

	COUNTY LINE		WELL
	PROPOSED TEMPORARY R.O.W.		TANK
	TOP SOIL SEGREGATION		GAS MARKER
	EXTRA WORK SPACE		TEST STATION
	WETLAND		UTILITY POLE

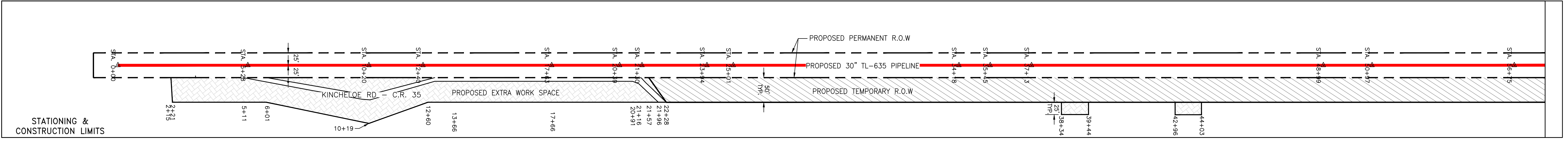
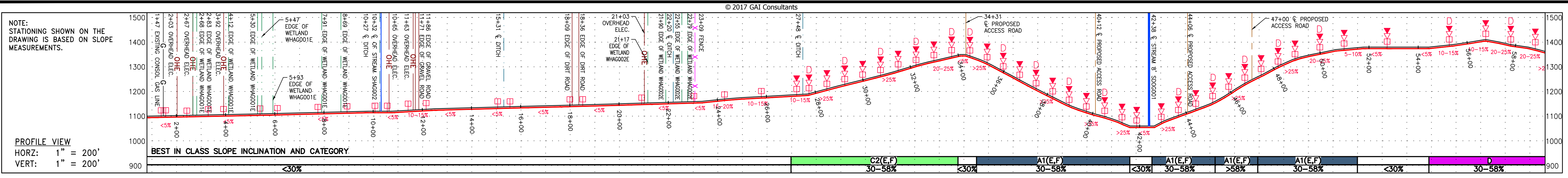
	PERMANENT WATERBAR/SLOPE BREAKER		LIMIT OF DISTURBANCE
	TEMPORARY WATERBAR/SLOPE BREAKER		BELTED SILT RETENTION FENCE (BSRF)
	TRENCH BREAKER/PLUG		SUPER SILT FENCE
	TRENCH BREAKER/PLUG BLEEDER		COMPOST FILTER SOCK
	DRAIN AND OUTLET		SEDIMENT BARRIER IDENTIFICATION
	STREAM CROSSING WITH ENHANCED CONTROLS		ORANGE SAFETY FENCE
	SEEP		ROADSIDE DITCH
	CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED		SOIL TYPE
	CULVERT WATERBAR		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.
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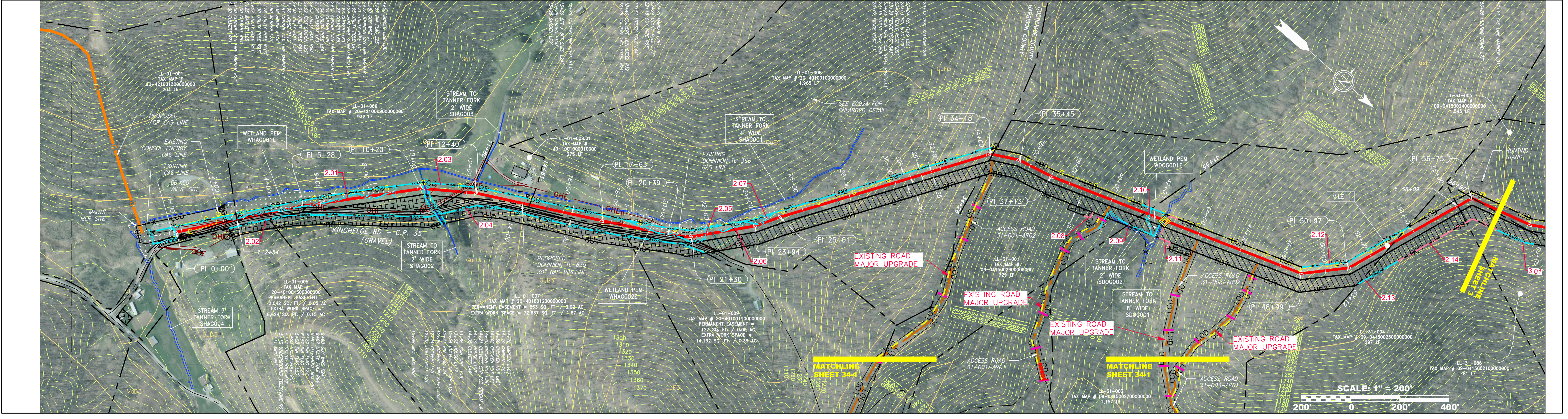
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<p>DOMINION TRANSMISSION, INC. 925 WHITE OAKS BLVD. BRIDGEPORT, WV 26330</p>	
<p>SCALE: AS SHOWN</p>	
<p>DATE: 6/1/17</p>	
<p>DRAWN: ForthCJ</p>	
<p>CHECKED: HoosIDL</p>	
<p>APPROVED: TysonNE</p>	
<p>SOUTHPOINTE OFFICE 6000 TOWN CENTER BOULEVARD SUITE 300 EAST CANONSBURG, PA 15317 724-873-3545</p>	
<p>PROJECT NO./DASH NO. C141330-01</p>	
<p>TASK NO. SUB TASK NO. 005 00</p>	
<p>GROUP ID DRAWING NO. D EO02A</p>	
<p>SHEET 2A OF 44</p>	

REVISED PERC FILING		DESCRIPTION	
NO.	DATE	DWN.	CHGO. APPVD.
1	04/08/16	CJF	NET

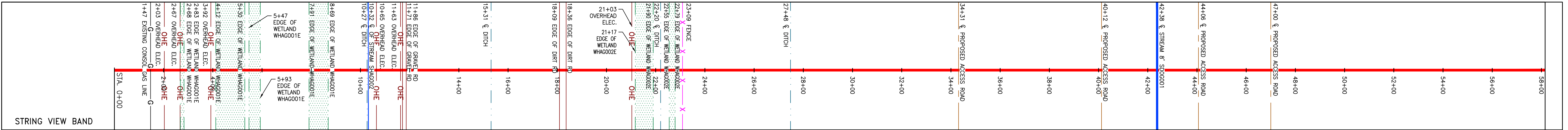
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PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP	PROPERTY OWNERSHIP
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PIPE SPECIFICATION
PROPOSED GAS PIPELINE
PROPOSED GAS PIPELINE (NO GROUND SURVEY)
EXISTING GAS PIPELINE
PROPOSED PERMANENT EASEMENT
PROPERTY LINE
FENCE
EDGE OF GRAVEL
EDGE OF PAVEMENT
PROPOSED ACCESS ROAD
ROAD
STREAM
DITCH
OVERHEAD UTILITY LINES
CULVERT
COUNTY LINE
PROPOSED TEMPORARY R.O.W.
TOP SOIL SEGREGATION
EXTRA WORK SPACE
WETLAND
WELL
TANK
GAS MARKER
TEST STATION
UTILITY POLE
PERMANENT WATERBAR/SLOPE BREAKER
TEMPORARY WATERBAR/SLOPE BREAKER
TRENCH BREAKER/PLUG
TRENCH BREAKER/PLUG BLEEDER DRAIN AND OUTLET
STREAM CROSSING
USFWS STREAM CROSSING WITH ENHANCED CONTROLS
SEEP
CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED
CULVERT WATERBAR
LOD
BELTED SILT RETENTION FENCE (BSRF)
SUPER SILT FENCE
COMPOST FILTER SOCK
SEDIMENT BARRIER IDENTIFICATION
ORANGE SAFETY FENCE
ROADSIDE DITCH
SOIL TYPE
TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION
LIMIT OF DISTURBANCE



LEGEND

NOTES

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REVISIONS

NO.	DATE	DWN.	CHKD.	APPD.	DESCRIPTION
1	04/08/16	CJF	DJH	NET	REVISED PERC FILING

JAMES A. HARRISON
 REGISTERED PROFESSIONAL ENGINEER
 12195
 STATE OF WEST VIRGINIA

DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD.
 BRIDGEPORT, WV 26330

SCALE: AS SHOWN

DATE: 6/6/17

DRAWN: FortnCJ

CHECKED: HoosIDL

APPROVED: TysonNE

gai consultants

SOUTHPOINTE OFFICE
 6000 TOWN CENTER BOULEVARD
 SUITE 300 EAST
 CANONSBURG, PA 15317
 724-873-3545

PROJECT NO./DASH NO.
C141330-01

TASK NO. SUB TASK NO.
005 00

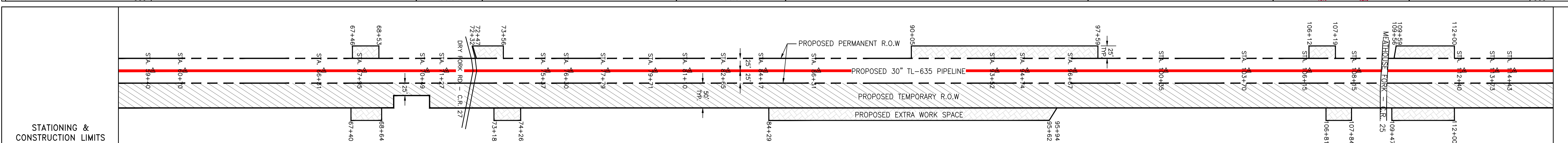
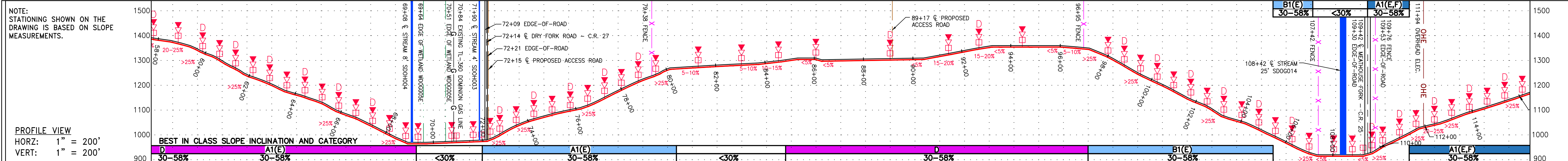
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SHEET **2** OF **44**

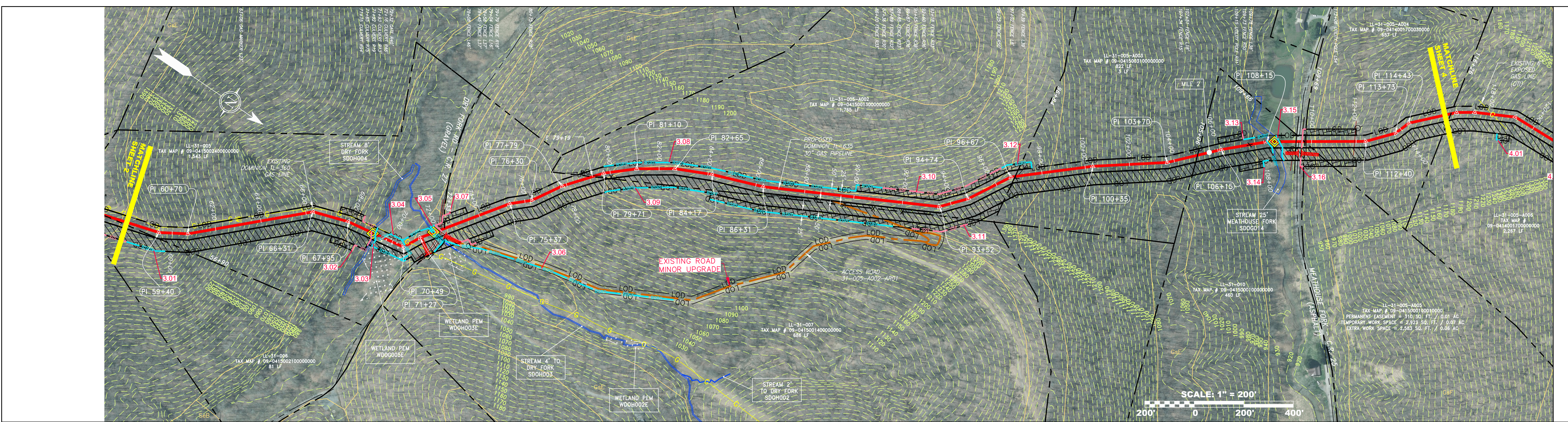
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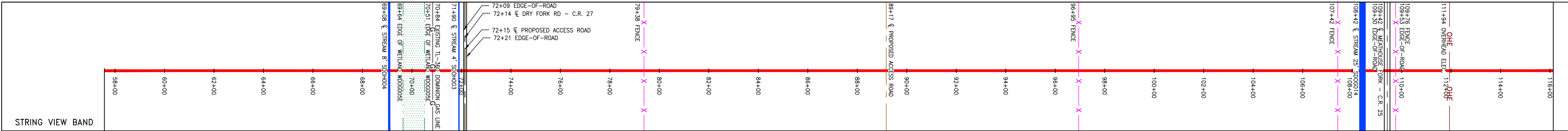
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PROPERTY OWNERSHIP table with columns for stationing (e.g., STA 56+90 to STA 115+26) and associated tax map information.



PIPE SPECIFICATION table with columns for stationing and pipe details.



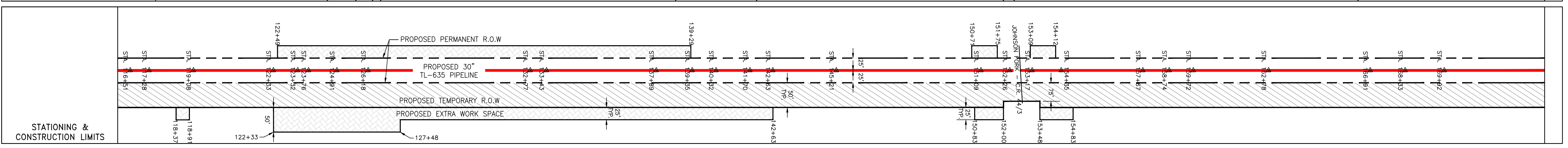
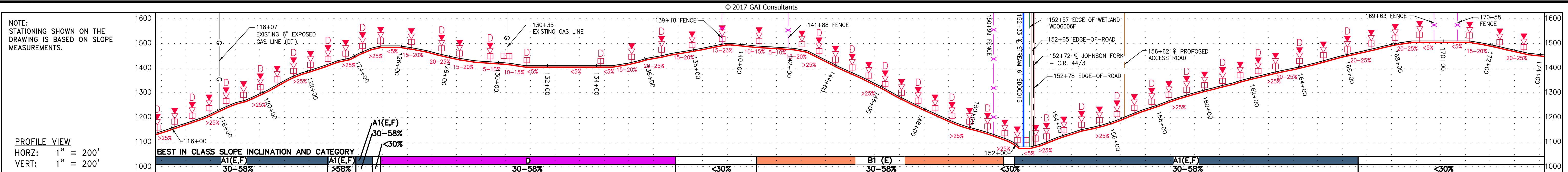
LEGEND and NOTES sections. The legend defines symbols for proposed gas pipeline, edge of pavement, county line, well, permanent waterbar, etc. The notes provide technical details and disclaimers.

REVISIONS table with columns for revision number, date, and description.

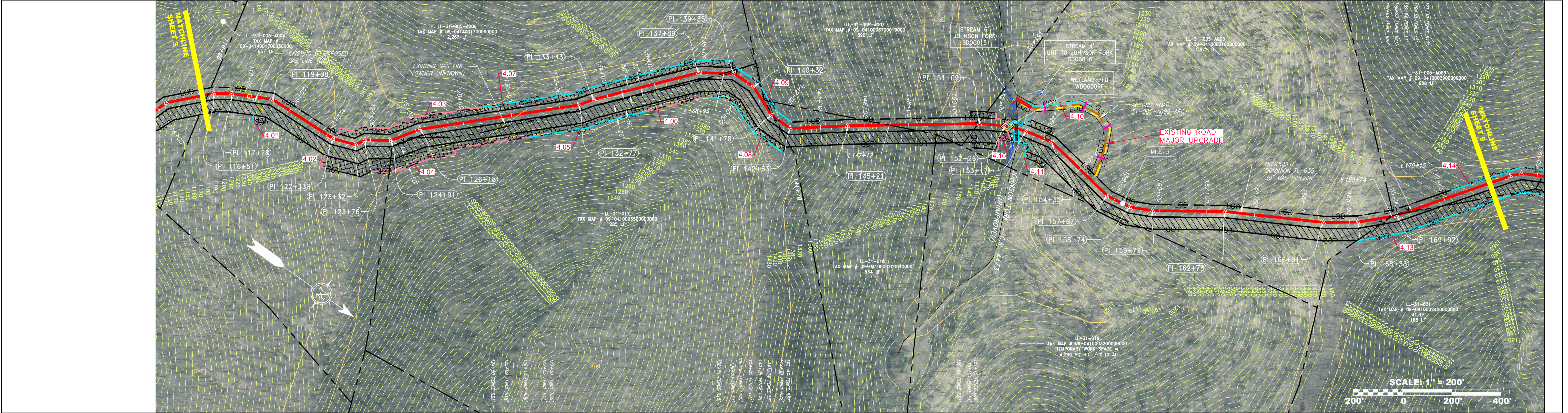
Professional Engineer seal for James A. Heine, State of West Virginia, License No. 12195, dated 03/17.

Project information including: WW Supply Header Project - 30" TL-635 Pipeline, Construction Alignment Sta. 58+00 to 116+00, Dominion Transmission, Inc., and sheet number 3 of 44.

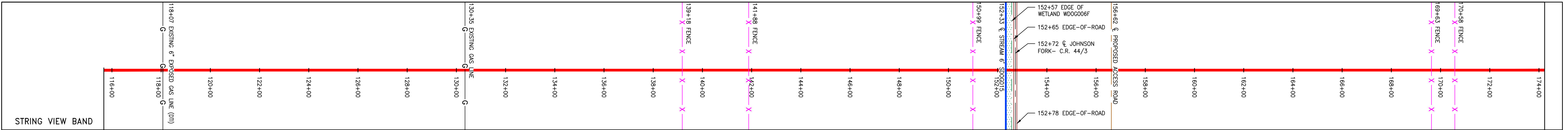
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PROPERTY OWNERSHIP	STATIONING	TAX MAP #	TAX MAP #	TAX MAP #	TAX MAP #	TAX MAP #	TAX MAP #	TAX MAP #	TAX MAP #	TAX MAP #	TAX MAP #
LL-31-005-0004 TAX MAP # 09-041001700000000 657 LF	STA 108+49	LL-31-005-0006 TAX MAP # 09-041001700000000 2,267 LF	LL-31-017 TAX MAP # 09-041003500000000 285 LF	LL-31-018 TAX MAP # 09-041003200000000 534 LF	LL-31-005-0007 TAX MAP # 09-041003200000000 390 LF	LL-31-005-0008 TAX MAP # 09-041003100000000 1,872 LF	LL-31-021 TAX MAP # 09-041002900000000 41 LF	LL-31-005-0009 TAX MAP # 09-041002900000000 608 LF	LL-31-005-0009 TAX MAP # 09-041002900000000 608 LF	LL-31-005-0009 TAX MAP # 09-041002900000000 608 LF	LL-31-005-0009 TAX MAP # 09-041002900000000 608 LF



PIPE SPECIFICATION
30" TL-635 PIPELINE



<p>LEGEND</p> <ul style="list-style-type: none"> — PROPOSED GAS PIPELINE - - - PROPOSED GAS PIPELINE (NO GROUND SURVEY) — EXISTING GAS PIPELINE - - - PROPOSED PERMANENT EASEMENT - - - PROPERTY LINE X X X FENCE — EDGE OF GRAVEL — EDGE OF PAVEMENT - - - PROPOSED ACCESS ROAD — ROAD — STREAM - - - DITCH — OVERHEAD UTILITY LINES - - - CULVERT — COUNTY LINE - - - PROPOSED TEMPORARY R.O.W. - - - TOP SOIL SEGREGATION - - - EXTRA WORK SPACE - - - WETLAND ○ WELL ○ TANK ⊙ GAS MARKER ⊙ TEST STATION ⊙ UTILITY POLE ▽ PERMANENT WATERBAR/SLOPE BREAKER ▽ TEMPORARY WATERBAR/SLOPE BREAKER □ TRENCH BREAKER/PLUG □ TRENCH BREAKER/PLUG BLEEDER DRAIN AND OUTLET ◇ STREAM CROSSING ◇ USFWS STREAM CROSSING WITH ENHANCED CONTROLS ◇ SEEP ◇ CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED ◇ CULVERT WATERBAR — LOD — BELTED SILT RETENTION FENCE (BSRF) — SUPER SILT FENCE — COMPOST FILTER SOCK IDENTIFICATION — ORANGE SAFETY FENCE — ROADSIDE DITCH — SOIL TYPE — TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION — LIMIT OF DISTURBANCE 	<p>NOTES</p> <ol style="list-style-type: none"> COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC. FROM 11-03-2014 THRU 11-07-2014. IMAGERY TAKEN FROM GOOGLE EARTH. THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS. ALL STATIONING SHOWN IS SLOPE STATIONING. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP 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.
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REVISIONS	
NO.	DESCRIPTION
1	04/08/16 C/J D/W
	NET
	CHKD. APP'D.
	DWN.
	DATE

DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330

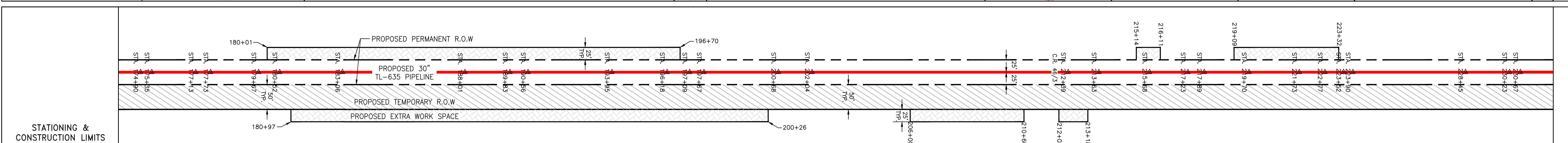
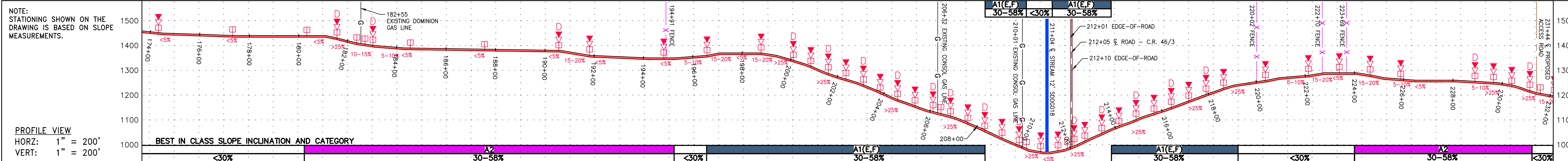
WV SUPPLY HEADER PROJECT - 30" TL-635 PIPELINE
CONSTRUCTION ALIGNMENT STA. 116+00 TO 174+00
DODDRIEGE COUNTY, WEST VIRGINIA

SCALE: AS SHOWN
DATE: 6/6/17
DRAWN: ForthCJ
CHECKED: HoosIDL
APPROVED: TysonNE

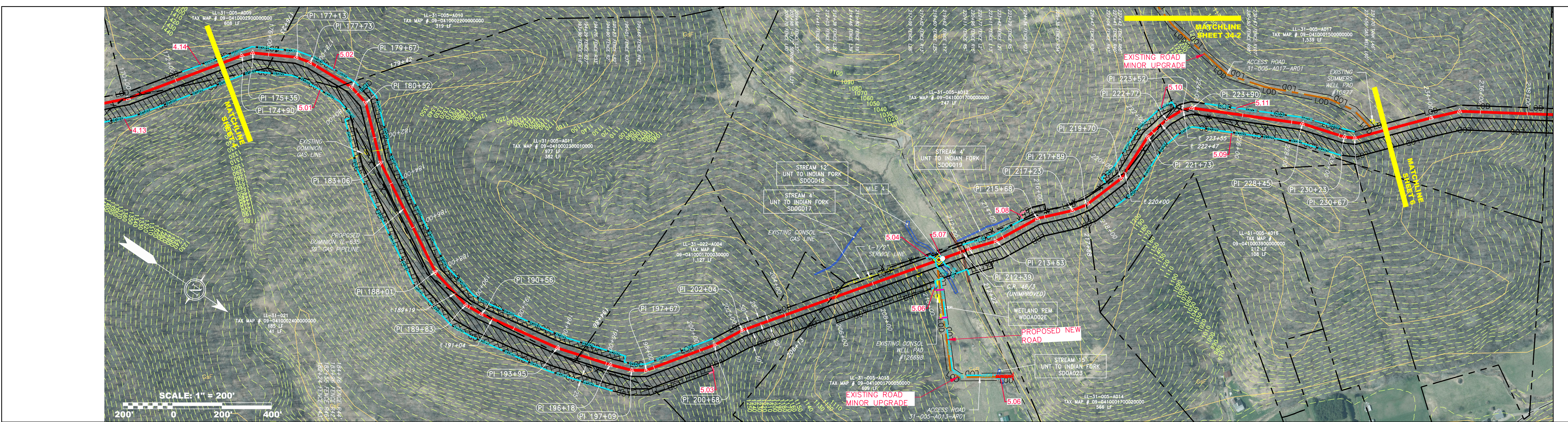
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C141330-01
TASK NO. SUB TASK NO.
005 00
GROUP ID DRAWING NO.
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SHEET **4** OF **44**

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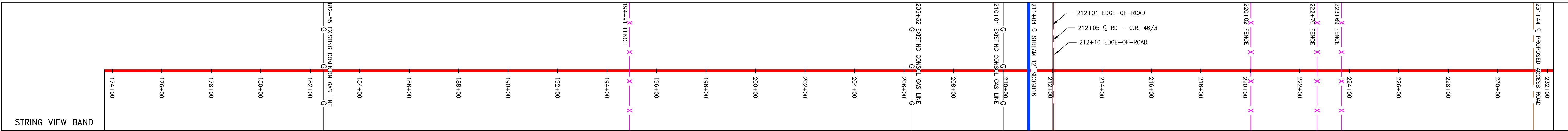
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PROPERTY OWNERSHIP	LL-31-005-009 TAX MAP # 09-04100220000000 608 LF	LL-31-005-010 TAX MAP # 09-04100220000000 319 LF	LL-31-005-011 TAX MAP # 09-04100220000000 977 LF	LL-31-021 TAX MAP # 09-04100220000000 15 LF	LL-31-005-011 TAX MAP # 09-04100220000000 582 LF	LL-31-022-004 TAX MAP # 09-04100170003000 1,127 LF	LL-31-005-013 TAX MAP # 09-04100170005000 609 LF	LL-31-005-014 TAX MAP # 09-04100170002000 566 LF	LL-31-005-016 TAX MAP # 09-04100330000000 212 LF	LL-31-005-017 TAX MAP # 09-04100170000000 247 LF	LL-31-005-016 TAX MAP # 09-04100330000000 108 LF	LL-31-005-017 TAX MAP # 09-04100170000000 1,539 LF
STA 174+15	STA 178+23	STA 179+42	STA 189+19	STA 191+04	STA 194+86	STA 206+13	STA 217+88	STA 217+88	STA 222+47	STA 223+55	STA 228+94	STA 232+00



PIPE SPECIFICATION



LEGEND

PROPOSED GAS PIPELINE (NO GROUND SURVEY)	EDGE OF PAVEMENT	COUNTY LINE	WELL	PERMANENT WATERBAR/SLOPE BREAKER	LIMIT OF DISTURBANCE
PROPOSED GAS PIPELINE (EXISTING SURVEY)	PROPOSED ACCESS ROAD	PROPOSED TEMPORARY R.O.W.	TANK	TEMPORARY WATERBAR/SLOPE BREAKER	BELTED SILT RETENTION FENCE (BSRF)
EXISTING GAS PIPELINE	ROAD	TOP SOIL SEGREGATION	GAS MARKER	TRENCH BREAKER/PLUG	SUPER SILT FENCE
PROPOSED PERMANENT EASEMENT	STREAM	EXTRA WORK SPACE	TEST STATION	TRENCH BREAKER/PLUG BLEEDER DRAIN AND OUTLET	COMPOST FILTER SOCK IDENTIFICATION
PROPERTY LINE	DITCH	WETLAND	UTILITY POLE	STREAM CROSSING WITH ENHANCED CONTROLS	ORANGE SAFETY FENCE
FENCE	OVERHEAD UTILITY LINES			SEEP	ROADSIDE DITCH
EDGE OF GRAVEL	CULVERT			CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED	SOIL TYPE
				CULVERT/WATERBAR	TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION

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- 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 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.

REVISIONS

NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION
1	04/08/16	CJF	DJH	NET	REVISED PERC FILING

JAMES A. HENNING
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF WEST VIRGINIA
 12195

DOMINION TRANSMISSION, INC.
 925 WHITE OAKS BLVD.
 BRIDGEPORT, WV 26330

SCALE: AS SHOWN

DATE: 6/6/17

DRAWN: ForthCJ

CHECKED: HoosidL

APPROVED: TysonNE

PROJECT NO./DASH NO. C141330-01

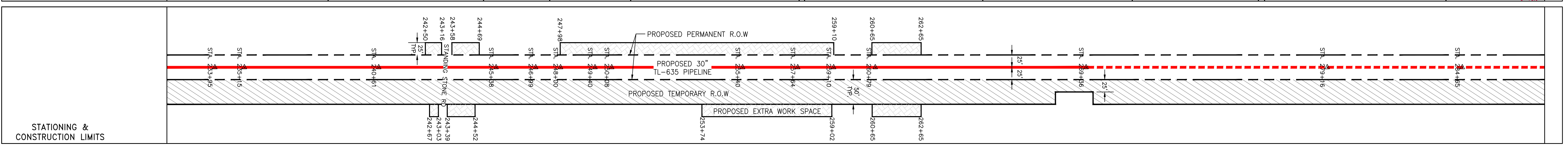
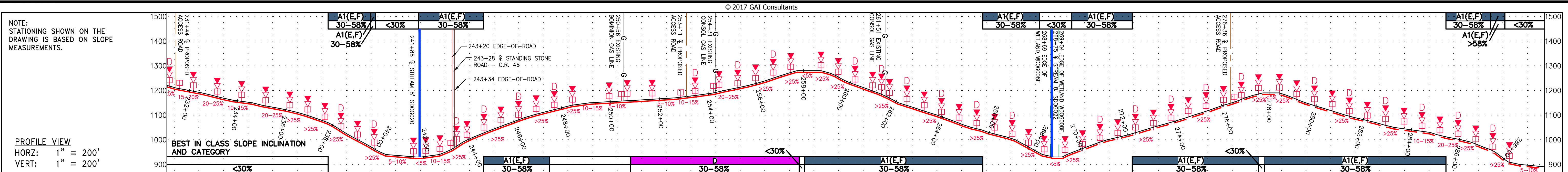
TASK NO. SUB TASK NO. 005 00

GROUP ID DRAWING NO. D E005

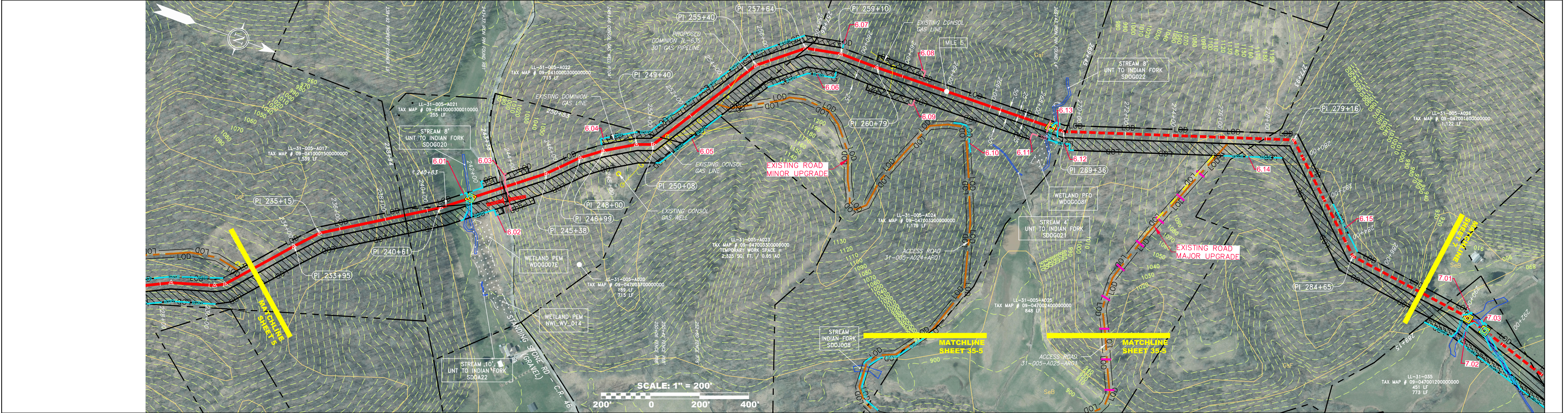
SHEET 5 OF 44

gai consultants
 SOUTHPOINTE OFFICE
 6000 TOWN CENTER BOULEVARD
 SUITE 300 EAST
 CANONSBURG, PA 15317
 724-873-3545

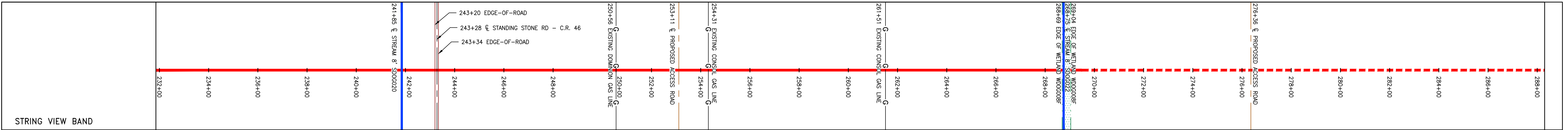
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PROPERTY OWNERSHIP table with columns for stationing (e.g., STA 232+35, STA 235+15) and tax map information (e.g., LL-31-005-4017, TAX MAP # 09-041020150000000).



PIPE SPECIFICATION table with columns for stationing (e.g., 232+00, 234+00) and pipe details.



LEGEND section containing symbols and descriptions for: PROPOSED GAS PIPELINE, EXISTING GAS PIPELINE, PROPERTY LINE, FENCE, EDGE OF PAVEMENT, PROPOSED ACCESS ROAD, ROAD, STREAM, DITCH, OHE, OVERHEAD UTILITY LINES, CULVERT, COUNTY LINE, PROPOSED TEMPORARY R.O.W., TOP SOIL SEGREGATION, EXTRA WORK SPACE, WETLAND, WELL, TANK, GAS MARKER, TEST STATION, UTILITY POLE, PERMANENT WATERBAR/SLOPE BREAKER, TEMPORARY WATERBAR/SLOPE BREAKER, TRENCH BREAKER/PLUG, TRENCH BREAKER/PLUG BLEEDER DRAIN AND OUTLET, STREAM CROSSING, USFWS STREAM CROSSING WITH ENHANCED CONTROLS, SEEP, CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED, CULVERT WATERBAR, LIMIT OF DISTURBANCE, BELTED SILT RETENTION FENCE (BSRF), SUPER SILT FENCE, COMPOST FILTER SOCK, SEDIMENT BARRIER IDENTIFICATION, ORANGE SAFETY FENCE, ROADSIDE DITCH, SOIL TYPE, TYPICAL BIG SLOPE CATEGORY SLOPE INCLINATION.

NOTES section with 12 numbered items detailing coordinate systems, data sources, property lines, stream and wetland data, erosion control, access roads, and the engineer's responsibility for the work.

REVISIONS table with columns for NO., DATE, DWN., CHD., APPD., NET., and DESCRIPTION.

Professional Engineer seal for James A. Heine, State of West Virginia, License No. 12195, and the logo for Dominion Transmission, Inc.

Project information including SCALE (AS SHOWN), DATE (6/6/17), DRAWN (FornCJ), CHECKED (HoosIDL), APPROVED (TysonNE), PROJECT NO./DASH NO. (C141330-01), TASK NO. (005), SUB TASK NO. (00), GROUP ID (D), DRAWING NO. (EO06), and SHEET 6 OF 44.