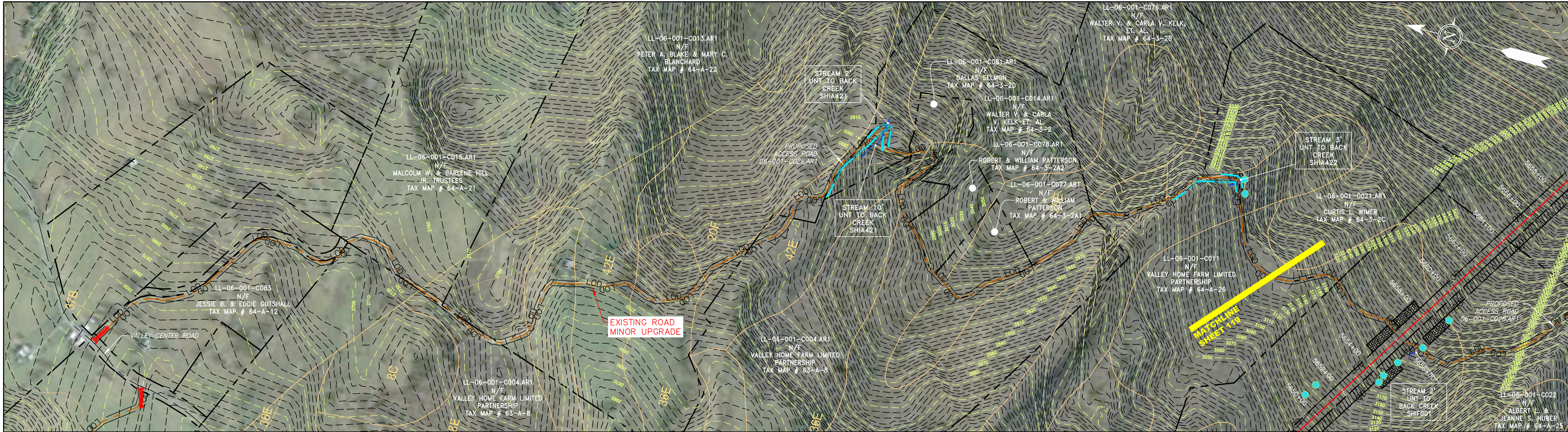


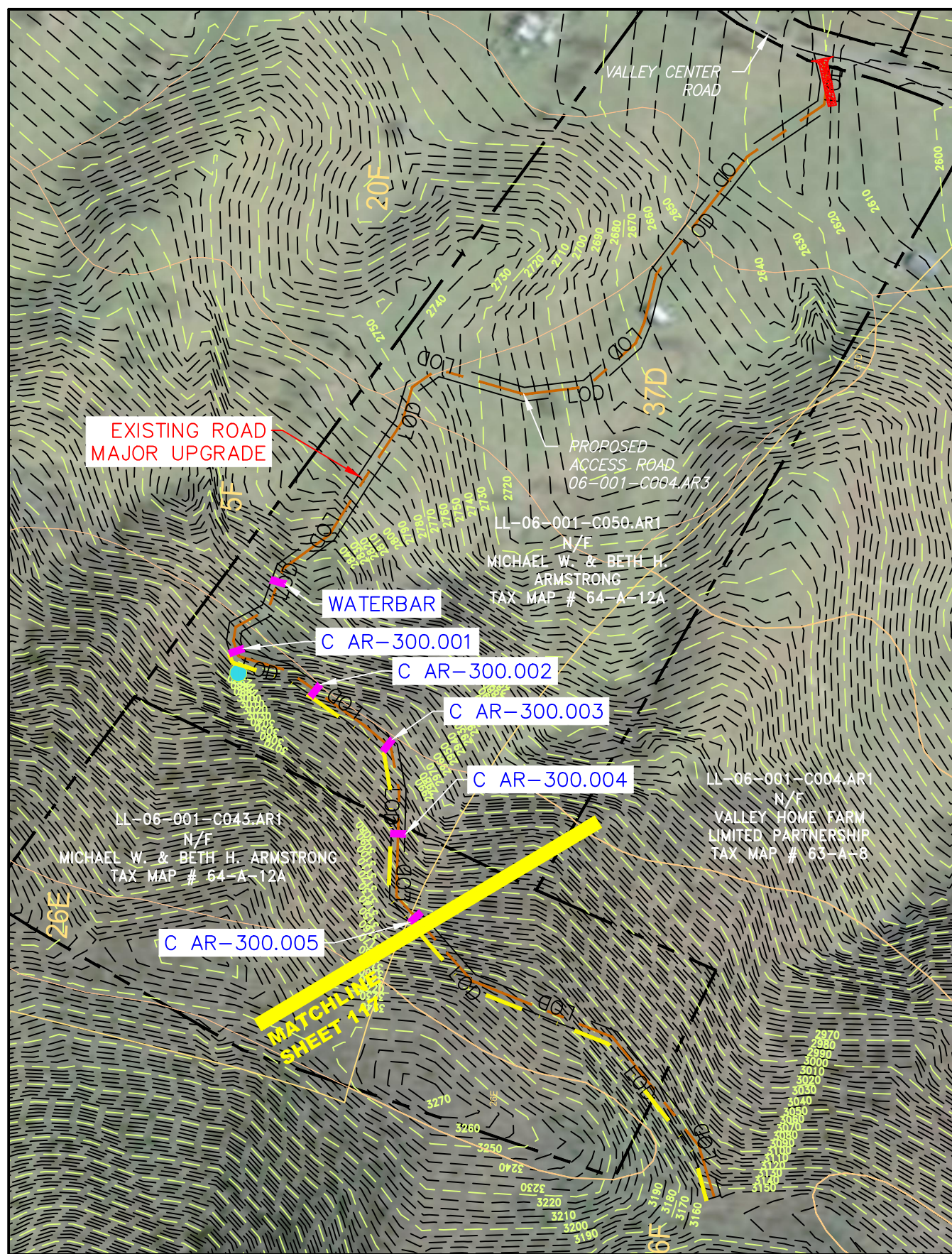
\\GAI\CONSULTANTS\LOCAL\BUPROJ\ENERGY\2014\C140468.00 - DOMINION - SOUTHEAST PIPE\CAD\MON FOREST REROUTE\DWG__PREVIOUS PERC FILING DWGS__ALIGNMENT SHEETS\C140468-00-000-00-E-AR-300-AR-303.DWG

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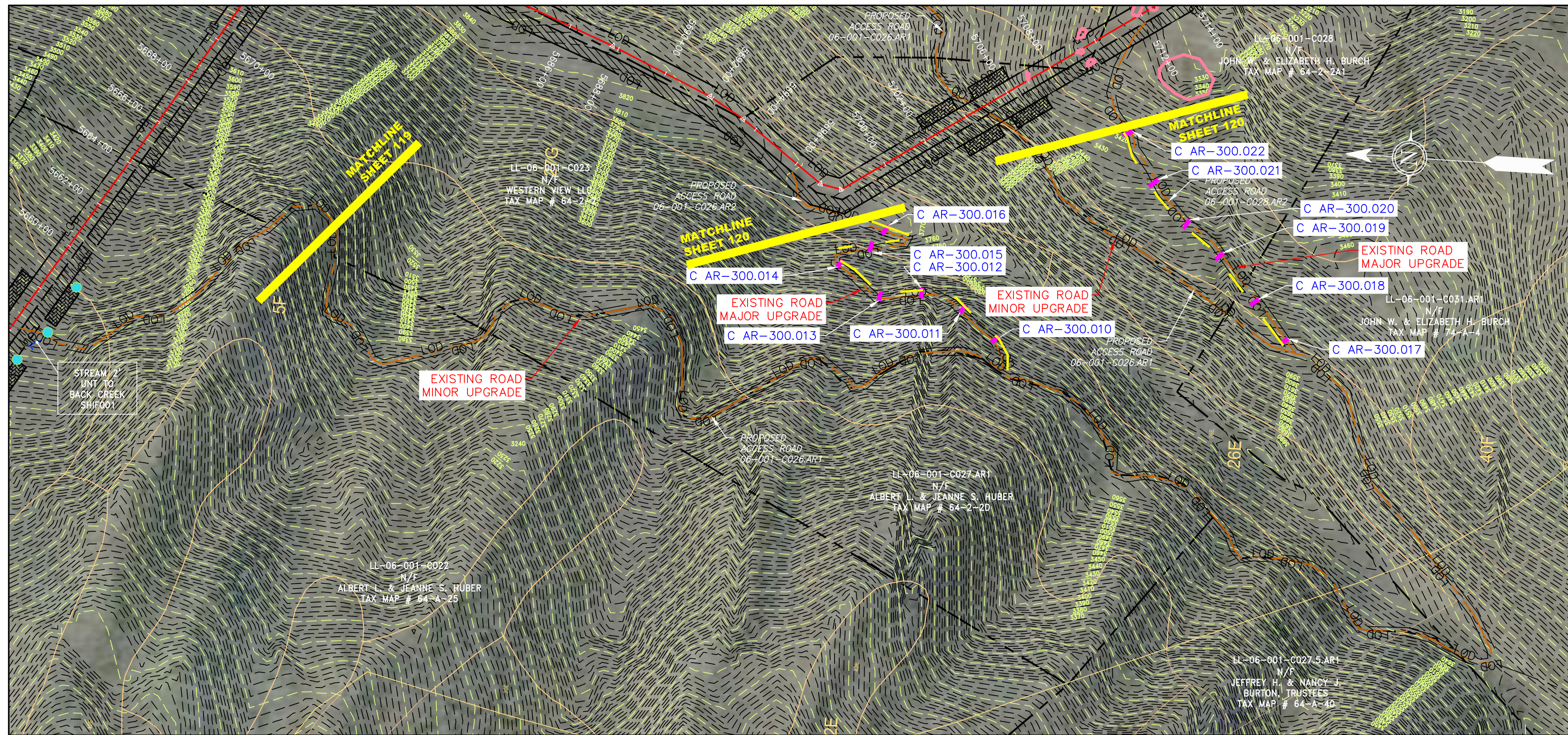
SCALE: 1" = 300'
300' 0 300' 600'

ACCESS ROAD DETAILS
06-001-C026.AR1



SCALE: 1" = 300'
300' 0 300' 600'

ACCESS ROAD DETAILS
06-001-C004.AR3



SCALE: 1" = 300'
300' 0 300' 600'

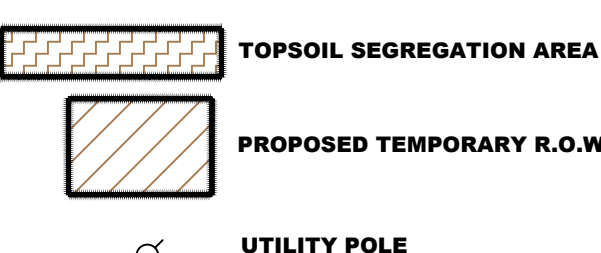
ACCESS ROAD DETAILS
06-001-C026.AR1
06-001-C026.AR2
06-001-C028.AR2

LEGEND

— X — X —	PROPERTY LINE	— E —	STORM SEWER
— G — G —	FENCE	— W —	UNDERGROUND ELECTRIC
— OH —	STREAM	— SAN —	WATER LINE
— OH —	EXISTING GAS PIPELINE	—	SANITARY SEWER
— OH —	OVERHEAD UTILITY LINES	—	EDGE OF GRAVEL
—	ACCESS ROAD	—	PROPOSED PERMANENT EASEMENT
—	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).

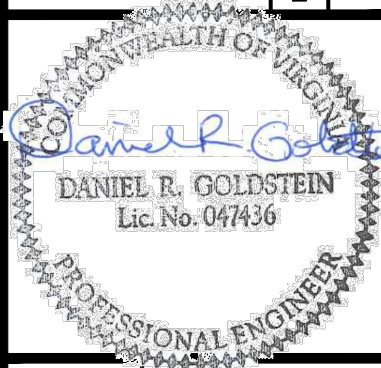


▼	PERMANENT WATERBAR/SLOPE BREAKER	— LOD —	LIMIT OF DISTURBANCE
▼	TEMPORARY WATERBAR/SLOPE BREAKER	— 111.03 —	BELTED SILT RETENTION FENCE (BSRF)
▼	TRENCH BREAKER/PLUG	— 111.001 —	COMPOST FILTER SOCK
▼	STREAM CROSSING	—	SEDIMENT BARRIER IDENTIFICATION
▼	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	—	CULVERT IDENTIFICATION
▼	SEEP	—	ORANGE SAFETY FENCE
▼	SLOPE DIRECTION	—	ROADSIDE DITCH
▼	CONSTRUCTION ENTRANCE WITH DITCH	—	SOIL TYPE
▼	CULVERT AS NEEDED	—	TYPICAL BIC SLOPE CATEGORY
▼	CULVERT WATERBAR	—	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.	APPRD.	DESCRIPTION



42" AP-1 PIPELINE
ACCESS ROAD DETAIL
HIGHLAND COUNTY, VIRGINIA

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

SCALE: AS SHOWN
DATE: 4/26/17
DRAWN: CJF
CHECKED: DLH
APPROVED: NET

gai consultants

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

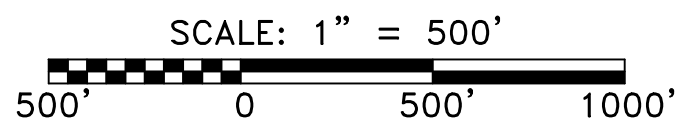
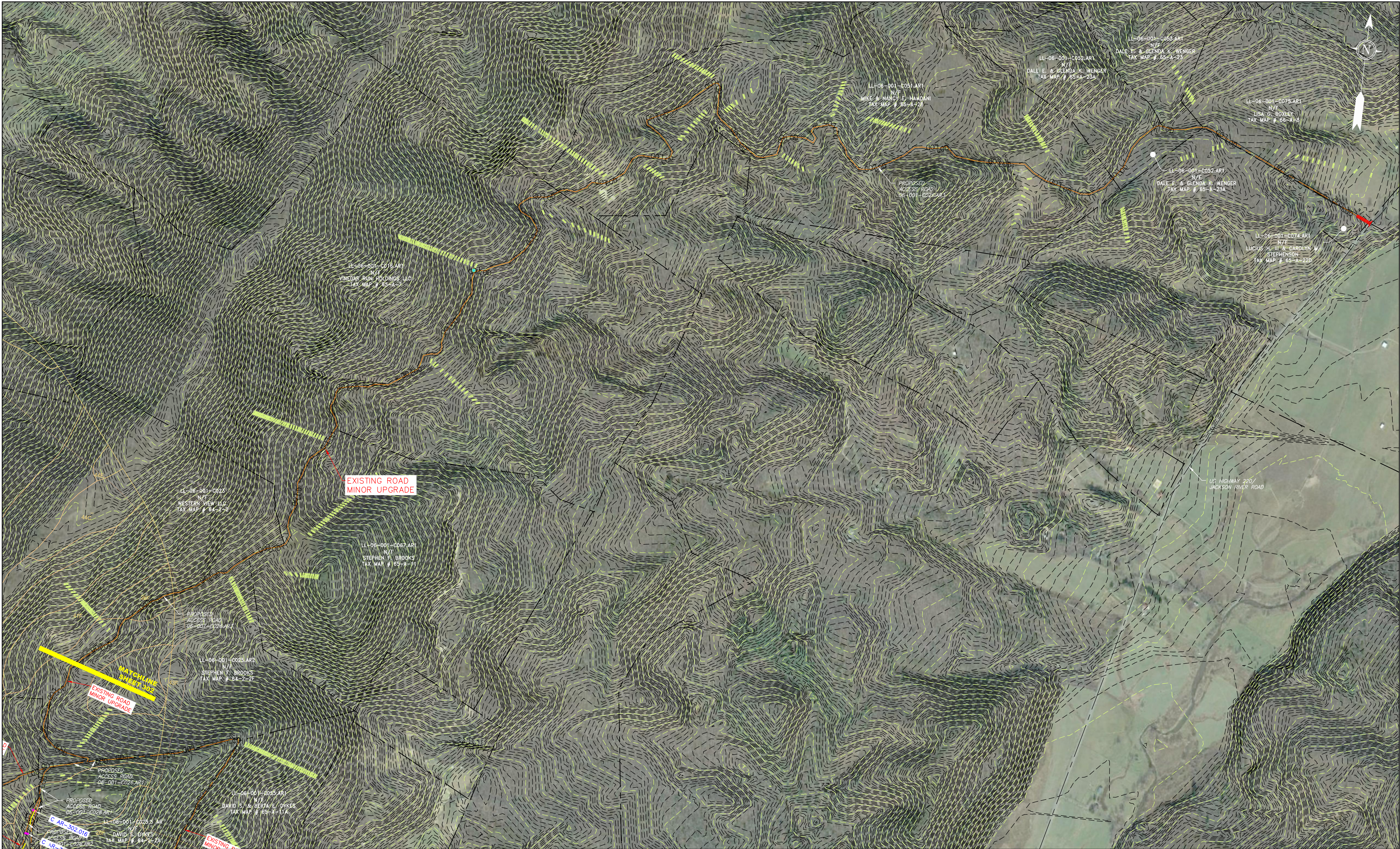
mbe
monaloh basin
engineers

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

PROJECT NO./DASH NO.	140468
TASK NO.	005
SUB TASK NO.	00
GROUP ID	D
DRAWING NO.	AR-300
AR-300	

THIS DRAWING WAS PRODUCED WITH COMPUTER AIDED DRAFTING TECHNOLOGY AND IS SUPPORTED BY ELECTRONIC DRAWING FILES. DO NOT REVISE THIS DRAWING VIA MANUAL DRAFTING METHODS.

4/26/2017 9:39 AM



ACCESS ROAD DETAILS
06-001-C026.AR3

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)



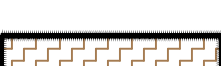
EXTRA WORK SPACE



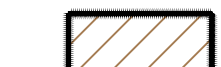
AREA OF NO DISTURBANCE



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



SEEP



SLOPE DIRECTION



CONSTRUCTION ENTRANCE WITH DITCH



CULVERT AS NEEDED



CULVERT WATERBAR



LIMIT OF DISTURBANCE



BELTED SILT RETENTION FENCE (BSRF)



COMPOST FILTER SOCK



SEDIMENT BARRIER IDENTIFICATION



CULVERT IDENTIFICATION



ORANGE SAFETY FENCE



ROADSIDE DITCH



SOIL TYPE



TYPICAL BIC SLOPE CATEGORY



SLOPE INCLINATION

NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATIONING SHOWN IS SLOPE STATIONING.
- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- BEST IN CLASS (BIC) 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.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.

PROJECT NO./DASH NO. 140468	
TASK NO. 005	SUB TASK NO. 00
GROUP ID D	DRAWING NO. AR-301
AR-301	

42" AP-1 PIPELINE
ACCESS ROAD DETAIL
HIGHLAND COUNTY, VIRGINIA

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

NO.	DATE	DWN.	CHKD.	APPROV.	DESCRIPTION

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

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

PROJECT NO./DASH NO.
140468

TASK NO.
005

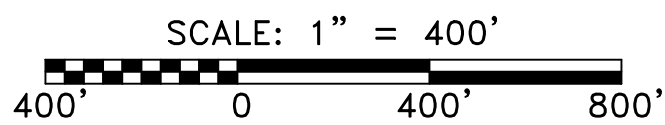
SUB TASK NO.
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GROUP ID
D

DRAWING NO.
AR-301

AR-301

4/26/2017 9:39 AM



06-001-C026.AR1
06-001-C028.AR1
06-001-C028.AR2
06-001-C028.AR3
06-001-C032.AR1

TOPSOIL SEGREGATION AREA

PROPOSED TEMPORARY R.O.W.**UTILITY POLE**

ONLY TO THE

SEE NOTE 12).

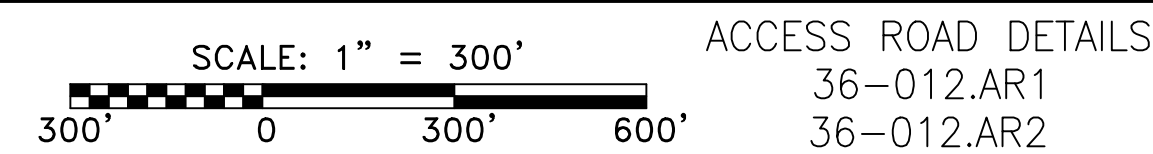
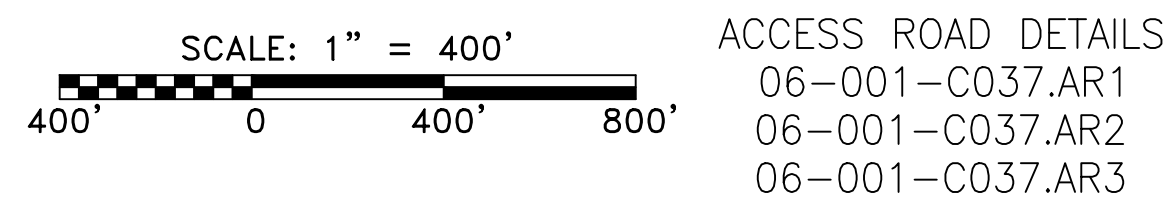
The diagram illustrates a road cross-section with various features and their corresponding LID codes. The features are listed on the left, and the LID codes are listed on the right. The features are: LIMIT OF DISTURBANCE (NO), BELTED SILT RETENTION FENCE (BSRF), COMPOST FILTER SOCK, SEDIMENT BARRIER IDENTIFICATION (111.03), CULVERT IDENTIFICATION (C 111.001), ORANGE SAFETY FENCE (X), ROADSIDE DITCH (Y), SOIL TYPE (CuB), and TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION (A1 (E) 30-58%).

Feature	LID Code
LIMIT OF DISTURBANCE	NO
BELTED SILT RETENTION FENCE (BSRF)	
COMPOST FILTER SOCK	
SEDIMENT BARRIER IDENTIFICATION	111.03
CULVERT IDENTIFICATION	C 111.001
ORANGE SAFETY FENCE	X
ROADSIDE DITCH	Y
SOIL TYPE	CuB
TYPICAL BIC SLOPE CATEGORY SLOPE INCLINATION	A1 (E) 30-58%

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 07-07-2015.
- IMAGERY TAKEN FROM GOOGLE EARTH.
- THE PROPERTY LINES SHOWN ARE BASED ON GIS A 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 ERN.
- EXISTING AND PROPOSED SEWER LINES AND MANHOLES MAY BE SHOWN TO THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
- ALL STATISTION SHOWN IS SLOPE STATTIONING.
- EXISTING FENCE AND PROPERTY LINE SHALL BE INSTALLED PARALLEL TO CONTOUR TO ENTIRELY EXIST 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 SLOPE BAND.
- ACCESS ROADS HAVE BEEN CLASSIFIED INTO FOUR CATEGORIES - 1. ACCESS ROADS WITHIN THE PROJECT AREA, 2. ACCESS ROADS TO 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 WILL HAVE ADEQUATE EROSION AND SEDIMENT CONTROLS PROVIDED FOR ROADS IN CATEGORIES 2 AND 3.
- ERN IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED DIMPS AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE SOURCE DATA.
- 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 SECTION V.A.5.2 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.A.5.2.

4/26/2017 9:40 AM



	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**
 **UTILITY POLE**

(COLOR SHOWN TO PROVIDE CLARITY ONLY)

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	NO
	TEMPORARY WATERBAR/SLOPE BREAKER		BELTED SILT RETENTION FENCE (BSRF)	
	TRENCH BREAKER/PLUG		COMPOST FILTER SOCK	
	STREAM CROSSING		SEDIMENT BARRIER IDENTIFICATION	
	USFWS STREAM CROSSING WITH ENHANCED CONTROLS		CULVERT IDENTIFICATION	
	SEEP		ORANGE SAFETY FENCE	
	SLOPE DIRECTION		ROADSIDE DITCH	
	CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED		SOIL TYPE	
	CULVERT WATER		TYPICAL BIG SLOPE CATEGORY	
			SLOPE INCLINATION	

NOTES:

1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U. 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. ON 11-03-2014 THRU 11-03-2015.
3. IMAGERY TAKEN FROM GOOGLE EARTH.
4. THE PROPERTY LINES SHOWN ARE BASED ON A 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. ALL EXISTING AND PROPOSED ROAD LOCATIONS WILL BE SHOWN ON THE DRAWINGS. THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
7. ALL STATIONING SHOWN IS SLOPE STATIONING.
8. DIRT FENCE AND/OR BOLLARD INSTALLATION 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 BARR.
11. ACCESS ROADS TO BE CONSTRUCTED ARE CATEGORIZED 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 74

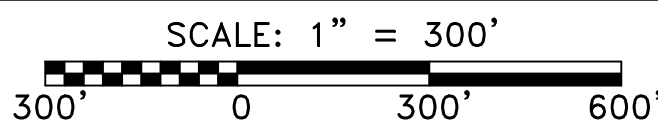
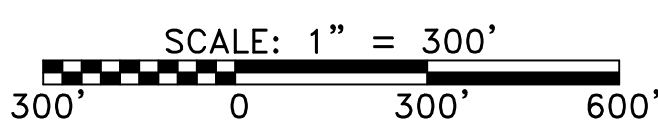
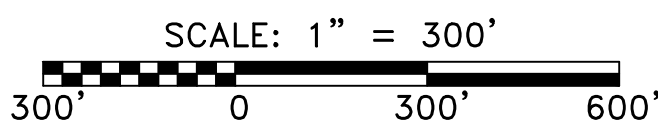
42" AP-1 PIPELINE ACCESS ROAD DETAIL HIGHLAND & BATH COUNTY, VIRGINIA	ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
---	---

SOUTHPONTE OFFICE
6000 TOWN CENTER BLVD.
SUITE 300 EAST
CANONSBURG, PA 15317
724-873-3545

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

TASK NO.	SUB TASK NO
005	00

GROUP ID	DRAWING NO.
D	AR-303
AR-303	



	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)

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 | NO |
| | TEMPORARY WATERBAR/SLOPE BREAKER | | BELTED SILT RETENTION FENCE (BSRF) | |
| | TRENCH BREAKER/PLUG | | COMPOSITE FILTER SOCK | NO |
| | STREAM CROSSING | | SEDIMENT BARRIER IDENTIFICATION | |
| | USFWS STREAM CROSSING WITH ENHANCED CONTROLS | | CULVERT IDENTIFICATION | NO |
| | SEEP | | ORANGE SAFETY FENCE | |
| | SLOPE DIRECTION | | ROADSIDE DITCH | NO |
| | CONSTRUCTION ENTRANCE WITH DITCH | | SOIL TYPE | |
| | CULVERT WATERBAR | | TYPICAL B1 SLOPE CATEGORY | NO |
| | | | SLOPE INCLINATION | |

NOTES:

1. COORDINATE SYSTEM USED FOR FLOODING 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 C&I 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). C&I 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. SLOPE AND ELEVATION DATA SHOWN ON THE DRAWINGS MAY BE SHOWN TO THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
7. ALL STATATIONING SHOWN IS SLOPE STATIONING.
8. SLOPE SENSE AND DIRECTION SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXERCISE PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
9. BEST IN CLASS (BIG) STEP 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 STEP SLOPE BANS.
11. ACCESS ROADS TO EXISTING ROADS ARE: 1. EXISTING ROADS TO 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 WILL HAVE ADEQUATE EROSION AND SEDIMENT CONTROLS BE PROVIDED FOR ROADS IN CATEGORIES 1 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 SOURCE SECTION OF THE INDEX SHEET OF THE "PLAN SET".
13. THE PROPOSED CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROPOSED 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 CROSSLING WILL BE RESTORED TO ORIGINAL OR BETTER CONDITION AS REQUIRED BY THE FERC PERMITS.

COMMONWEALTH OF VIRGINIA
Daniel R. Goldstein
 DANIEL R. GOLDSTEIN
 Lic. No. 047436
 PROFESSIONAL ENGINEER

42" AP-1 PIPELINE
ACCESS ROAD DETAIL
BATH COUNTY, VIRGINIA

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

SCALE:	AS SHOWN
DATE:	4/26/17
DRAWN:	CJF
CHECKED:	DLH
APPROVED:	NET



SOUTHPONTE OFFICE
6000 TOWN CENTER BLVD.
SUITE 300 EAST
CANONSBURG, PA 15317
724-873-3545

mbe
monaloh basin
engineers

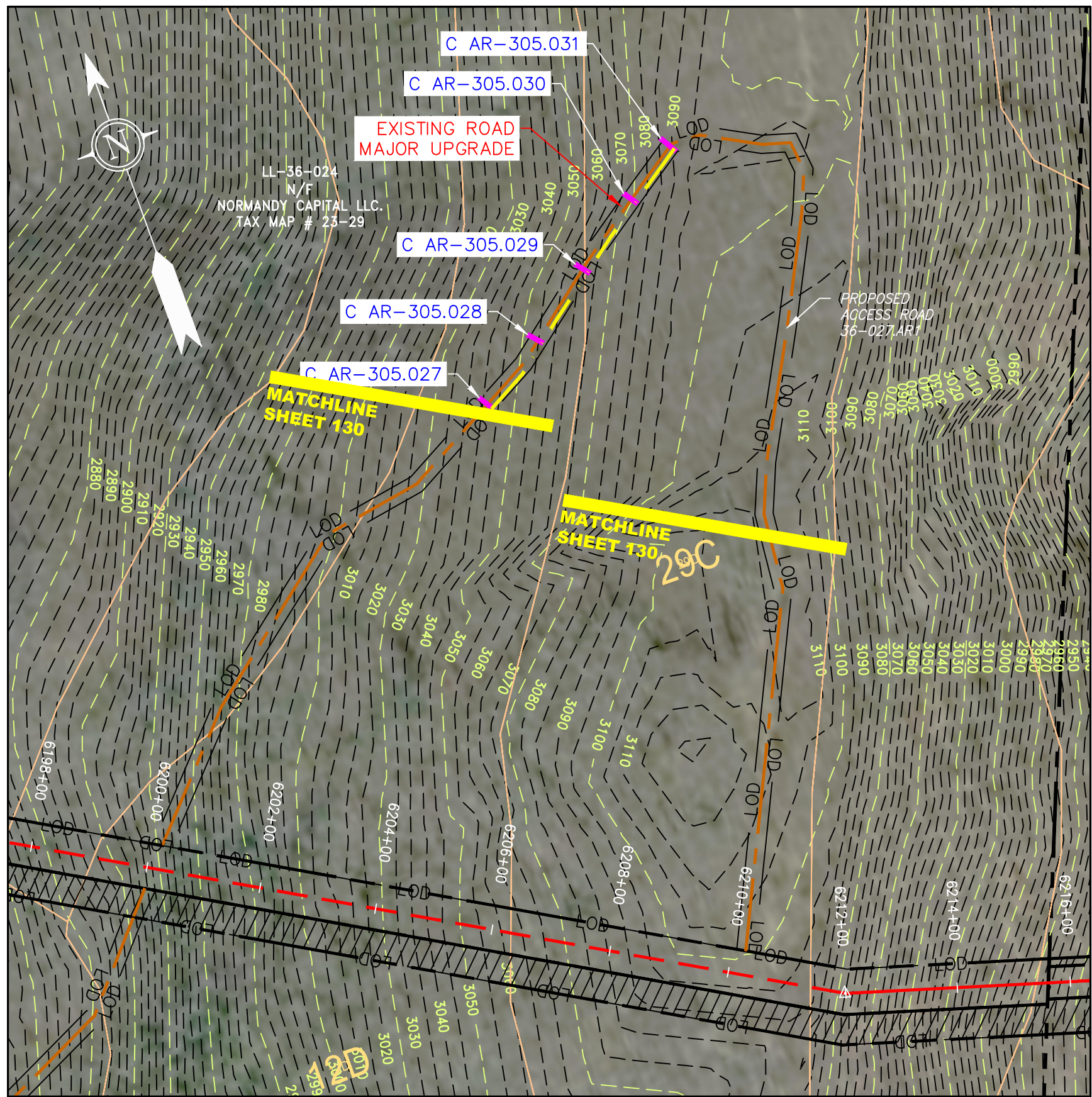
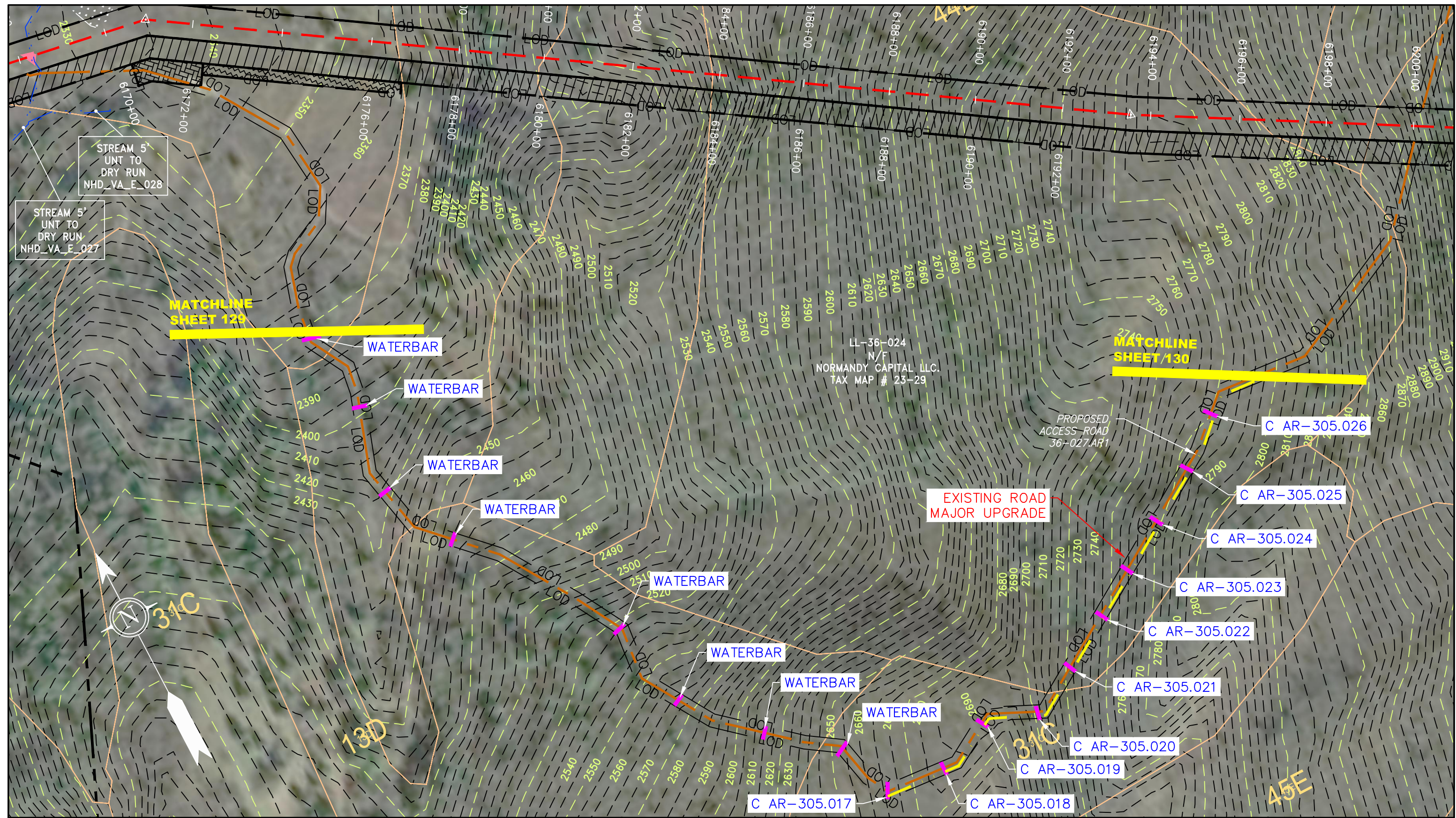
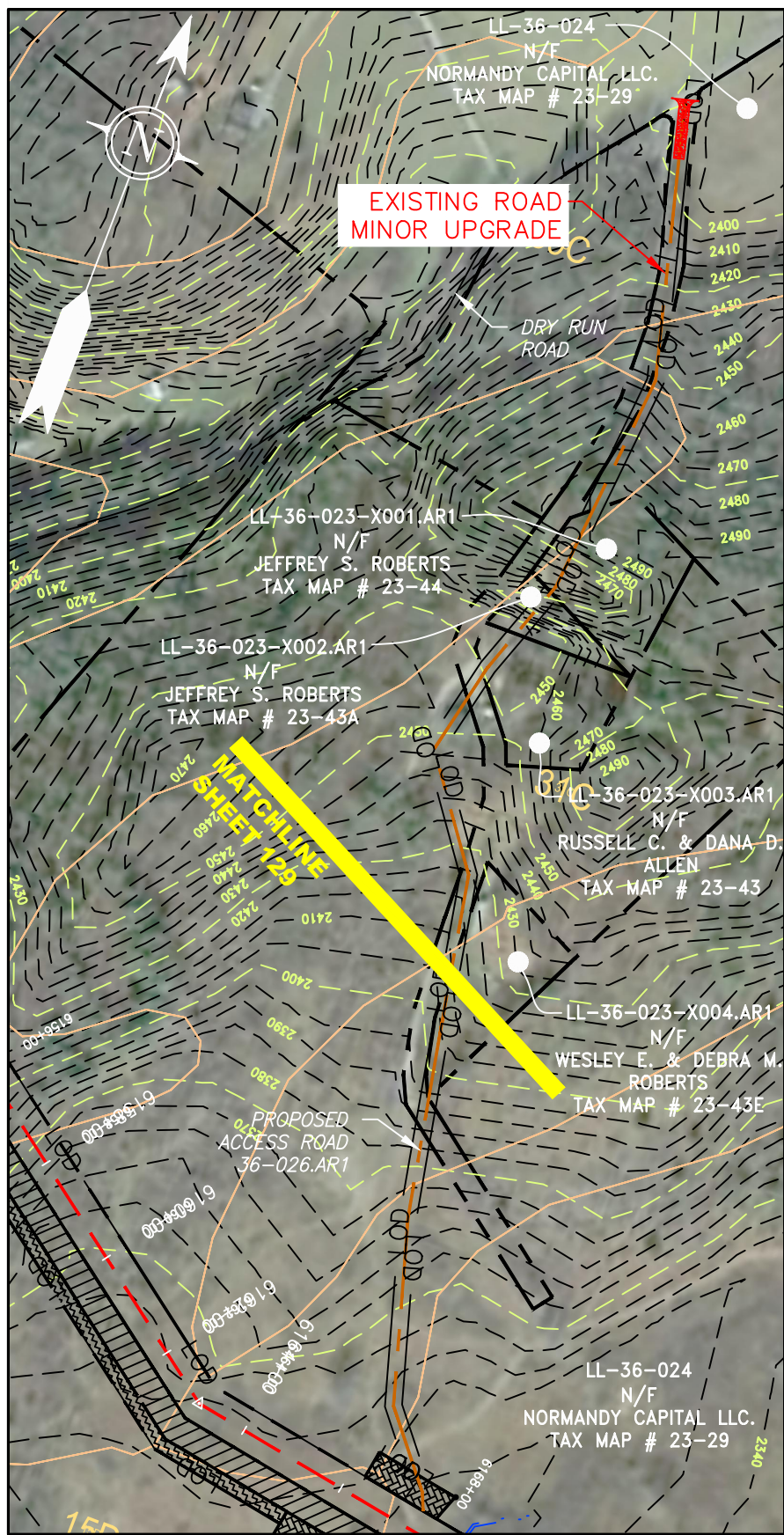
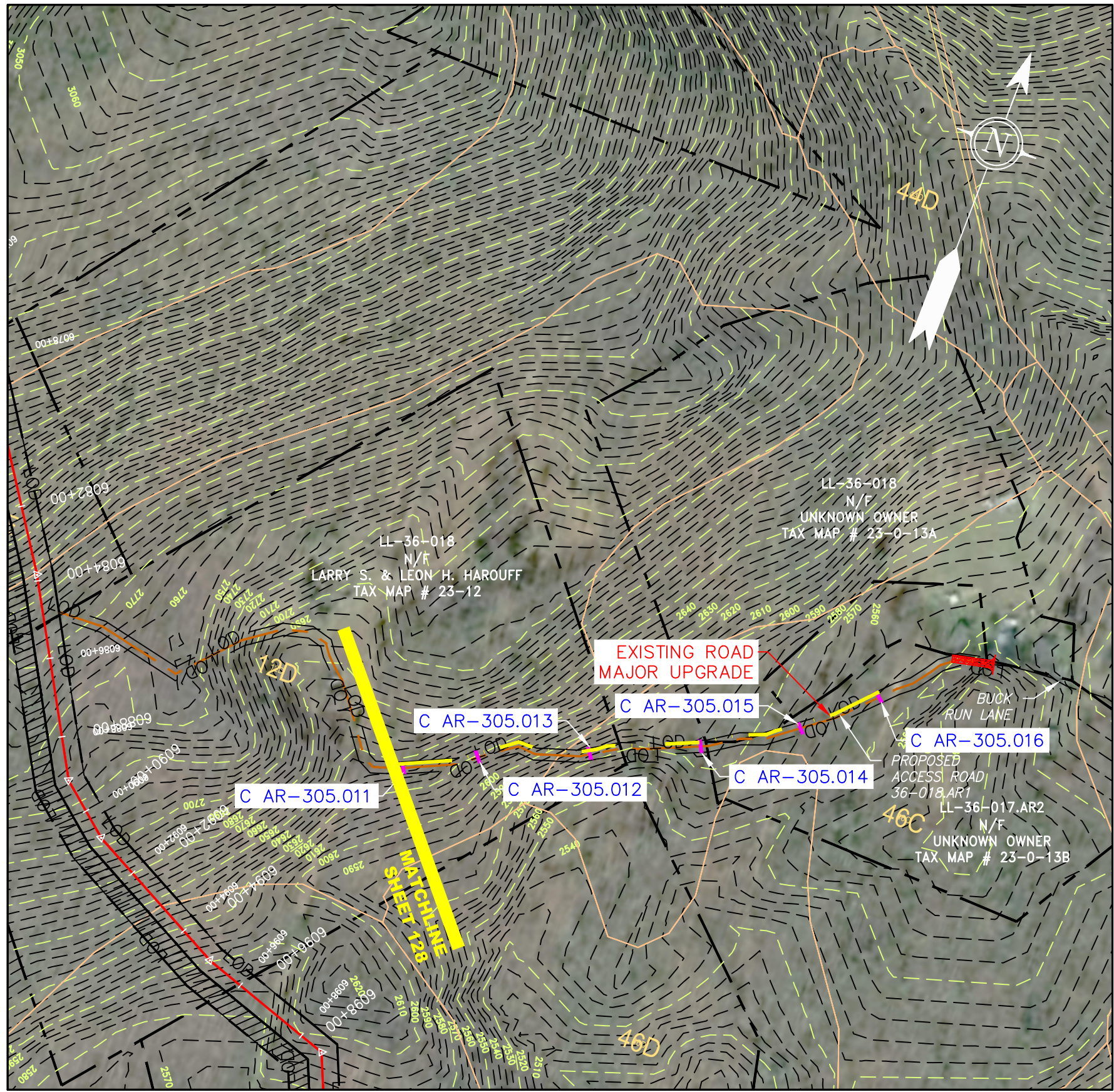
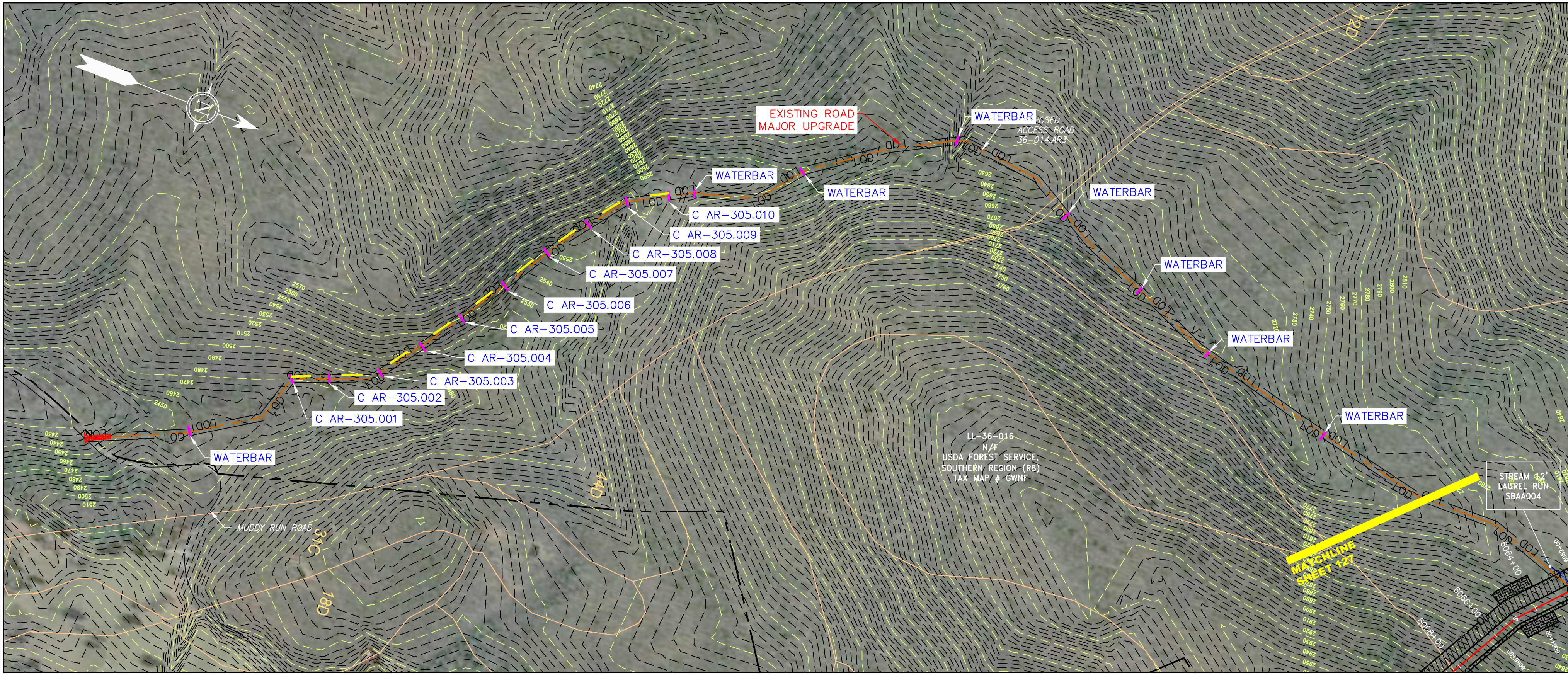
300 BUSINESS CENTER DRIVE
PITTSBURGH, PA 15205
412-788-2433

PROJECT NO./DASH NO.	140468
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TASK NO.	SUB TASK NO.
005	00

GROUP ID	DRAWING NO.
D	AR-304

AR-304	
--------	--



SCALE: 1" = 300'
300' 0 300' 600'

ACCESS ROAD DETAIL
36-026.AR1

SCALE: 1" = 200'
200' 0 200' 400'

ACCESS ROAD DETAIL
36-027.AR1

SCALE: 1" = 200'
200' 0 200' 400'

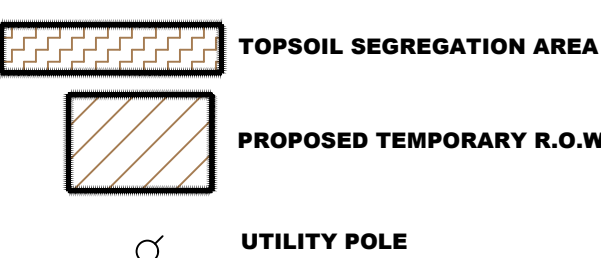
ACCESS ROAD DETAIL
36-027.AR1

LEGEND

---	PROPERTY LINE	---	STORM SEWER
X-X	FENCE	E	UNDERGROUND ELECTRIC
---	STREAM	W	WATER LINE
G-G	EXISTING GAS PIPELINE	SAN	SANITARY SEWER
OH	OVERHEAD UTILITY LINES	---	EDGE OF GRAVEL
---	ACCESS ROAD	---	PROPOSED PERMANENT EASEMENT
---	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).



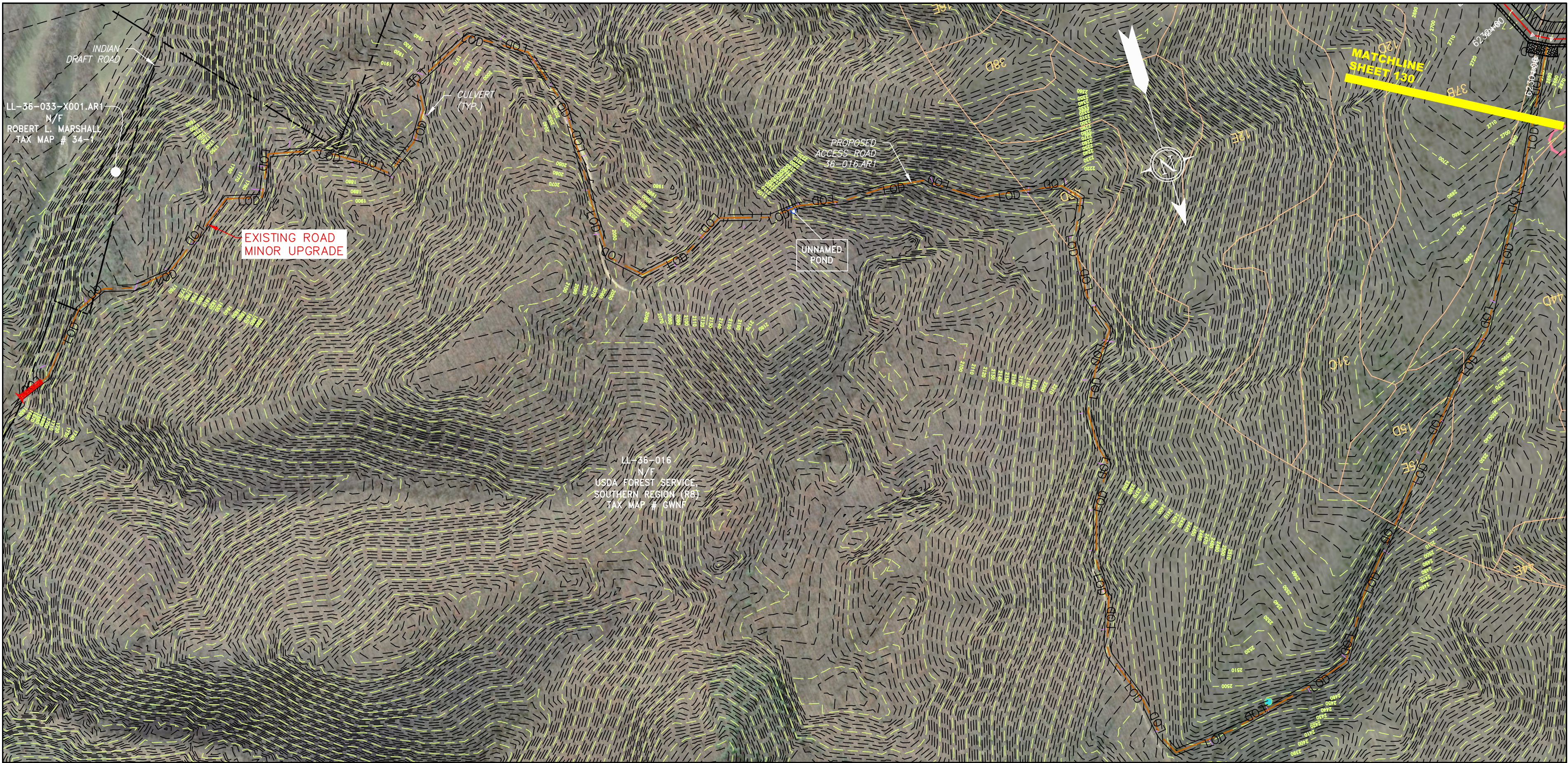
▼	PERMANENT WATERBAR/SLOPE BREAKER	---	LIMIT OF DISTURBANCE
▼	TEMPORARY WATERBAR/SLOPE BREAKER	---	BELTED SILT RETENTION FENCE (BSRF)
---	TRENCH BREAKER/PLUG	---	COMPOST FILTER SOCK
---	STREAM CROSSING	---	SEDIMENT BARRIER IDENTIFICATION
---	USFWS STREAM CROSSING WITH ENHANCED CONTROLS	---	CULVERT IDENTIFICATION
---	SEEP	---	ORANGE SAFETY FENCE
---	SLOPE DIRECTION	---	ROADSIDE DITCH
---	CONSTRUCTION ENTRANCE WITH DITCH	---	SOIL TYPE
---	CULVERT AS NEEDED	---	TYPICAL BIC SLOPE CATEGORY
---	CULVERT WATERBAR	---	SLOPE INCLINATION

---	111.03	---	111.001
---	111.001	---	111.001
---	111.001	---	111.001
---	111.001	---	111.001
---	111.001	---	111.001
---	111.001	---	111.001
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NOTES:

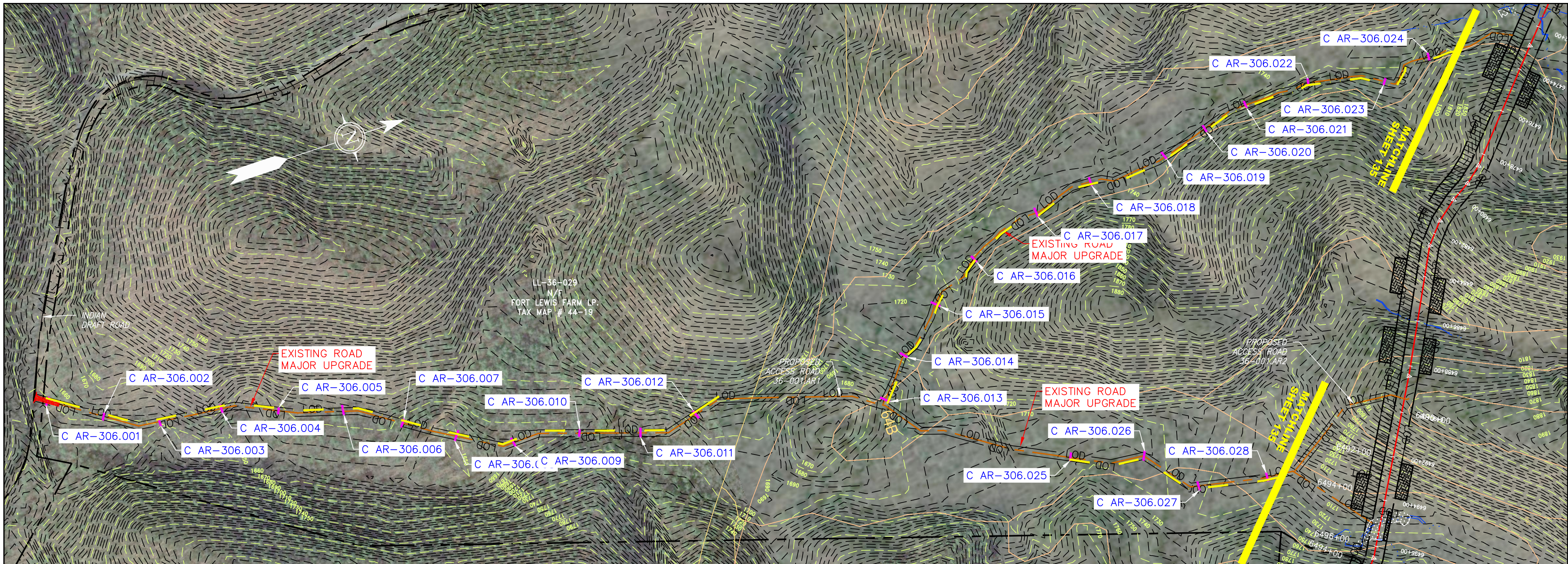
- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
- CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
- IMAGERY TAKEN 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 BICPS 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.

42" AP-1 PIPELINE ACCESS ROAD DETAIL BATH COUNTY, VIRGINIA		ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330	
SCALE: AS SHOWN		DATE: 4/26/17	
DRAWN: CJF		CHECKED: DLH	
APPROVED: NET		PROJECT NO./DASH NO. 140468	
TASK NO. 005		SUB TASK NO. 00	
GROUP ID D		DRAWING NO. AR-305	
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433		300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433		300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433		300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433		300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433		300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433		300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433		300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433		300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
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PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	
GROUP ID D		DRAWING NO. AR-305	
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433		300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO. 140468		TASK NO. 005	
SUB TASK NO. 00		DRAWING NO. AR-305	



SCALE: 1" = 400'
400' 0 400' 800'

ACCESS ROAD DETAIL
36-016.AR1



SCALE: 1" = 300'
300' 0 300' 600'

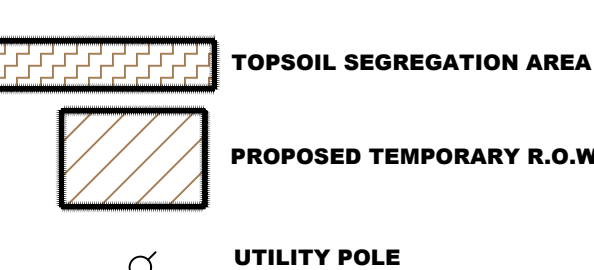
ACCESS ROAD DETAIL
36-001.AR1

LEGEND

---	PROPERTY LINE	---	STORM SEWER
X-X	FENCE	E	UNDERGROUND ELECTRIC
---	STREAM	W	WATER LINE
G-G	EXISTING GAS PIPELINE	SAN	SANITARY SEWER
OH	OVERHEAD UTILITY LINES	---	EDGE OF GRAVEL
---	ACCESS ROAD	---	PROPOSED PERMANENT EASEMENT
---	PROPOSED GAS PIPELINE	---	PROPOSED GAS PIPELINE (NO GROUND SURVEY)



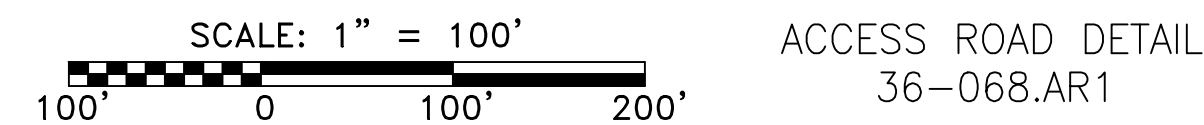
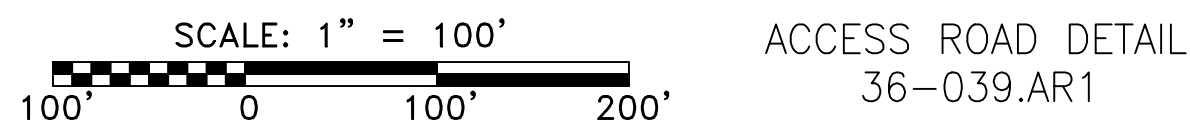
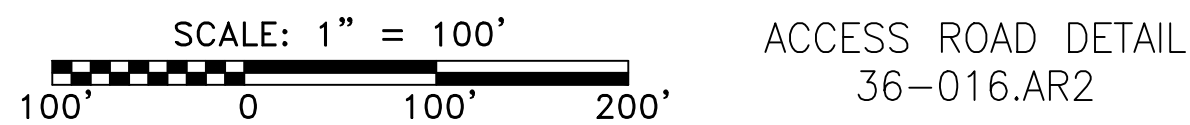
NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).



▼	PERMANENT WATERBAR/SLOPE BREAKER	---	LIMIT OF DISTURBANCE
▼	TEMPORARY WATERBAR/SLOPE BREAKER	---	BELTED SILT RETENTION FENCE (BSRF)
□	TRENCH BREAKER/PLUG	---	COMPOST FILTER SOCK
◇	STREAM CROSSING	---	SEDIMENT BARRIER IDENTIFICATION
◇	USFWS 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 BIC SLOPE CATEGORY
---	CULVERT WATERBAR	---	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.
 - 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.

42" AP-1 PIPELINE ACCESS ROAD DETAIL BATH COUNTY, VIRGINIA		ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330	
SCALE: AS SHOWN		DATE: 4/26/17	
DRAWN: CJF		CHECKED: DLH	
APPROVED: NET			
gai consultants		mbe monaloh basin engineers	
SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. SUITE 300 EAST CANONSBURG, PA 15317 724-873-3545		300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433	
PROJECT NO./DASH NO. 140468		TASK NO. SUB TASK NO. 005 00	
GROUP ID D		DRAWING NO. AR-306	



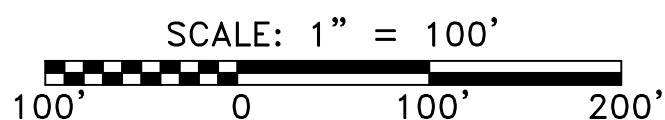
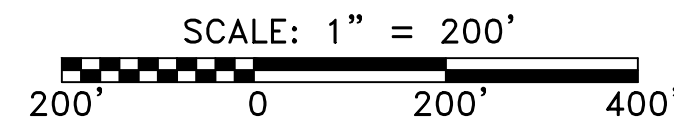
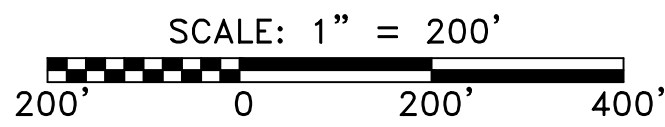
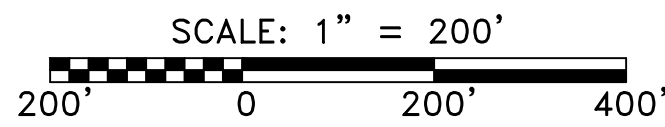
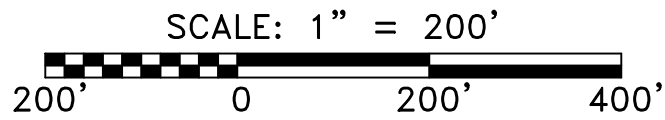
	PROPERTY LINE		STORM SEWER
	FENCE		UNDERGROUND ELECTRIC
	STREAM		WATER LINE
	EXISTING GAS PIPELINE		SANITARY SEWER
	OVERHEAD UTILITY LINES		EDGE OF GRAVEL
	ACCESS ROAD		PROPOSED PERMANENT EASEMENT
	PROPOSED GAS PIPELINE		PROPOSED GAS PIPELINE (NO GROUND SURVEY)

	PERMANENT WATERBAR/SLOPE BREAKER		L00
	TEMPORARY WATERBAR/SLOPE BREAKER		JSRP
	TRENCH BREAKER/PLUG		111.03
	STREAM CROSSING		C 111.001
	USFS STREAM CROSSING WITH ENHANCED CONTROLS		X
	SEEP		111.002
	SLOPE DIRECTION		CuB
	CONSTRUCTION INVERT WITH DITCH CULVERT AS NEEDED		A1 (E)
	INVERT WATERBAR		30-582

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 11-06-2014.
3. IMAGERY TAKEN FROM GOOGLE EARTH.
4. THE PROPERTY LINES SHOWN ARE BASED ON A SIX 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 ERN.
6. ALL SETBACK AND BUFFER DISTANCES MAY BE SUBJECT TO CHANGE FOR WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
7. ALL STATISTIONING SHOWN IS SLOPE STATIONING.
8. BEST FIT LINE AND CENTERLINE SHALL BE INSTALLED PARALLEL TO CONTOUR TO ENFORCE PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
9. BEST IN CLASS (BIG) 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 TO EXISTING ROADWAYS SHALL BE MAINTAINED AT 15' MINIMUM WIDTH. IMPROVEMENTS TO EXISTING ROADS SHALL BE LIMITED TO 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 WILL HAVE ADEQUATE EROSION AND SEDIMENT CONTROLS PROVIDED FOR ROADS IN CATEGORIES 1 AND 2.
12. THE OWNER IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMP'S 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 SHEET.
13. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE PROTECTION CONTOURS IN ACCORDANCE WITH SECTION V.A.5 FEDERAL ENVIRONMENTAL REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.A.5. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE SUBJECT TO REGULATION UNDER THE CLEAN WATER ACT AND NATIONAL WETLANDS POLICY.

		NO.	DATE	DWN.	CHGD.	APPROD.	REVISIONS
							
42" AP-1 PIPELINE ACCESS ROAD DETAIL BATH COUNTY, VIRGINIA		ATLANTIC COAST PIPELINE, LLC C/O DOMINION TRANSMISSION, INC. 925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330					
SCALE:		AS SHOWN					
DATE:		4/26/17					
DRAWN:		CJF					
CHECKED:		DLH					
APPROVED:		NET					
							
SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. SUITE 300 EAST CANONSBURG, PA 15317 724-873-3545							
							
300 BUSINESS CENTER DRIVE PITTSBURGH, PA 15205 412-788-2433							
PROJECT NO./DASH NO.		140468					
TASK NO.		SUB TASK NO.					
005		00					
GROUP ID	DRAWING NO.						
D	AR-307						
AR-307							



	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)

 **TOPSOIL SEGMENT**
PROPOSED TREE
UTILITY POLE

-  **PERMANENT WATERBAR/SLOPE BREAKER**
-  **TEMPORARY WATERBAR/SLOPE BREAKER**
-  **TRENCH BREAKER/PLUG**
-  **STREAM CROSSING**
-  **USFWS STREAM CROSSING WITH ENHANCED CONTROLS**
-  **SEEP**
-  **SLOPE DIRECTION**
-  **CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED**
-  **CULVERT/ WATERBAR**

The diagram illustrates a soil profile with several layers and chemical indicators. At the top, a horizontal line is labeled 'LOD'. Below it, a blue line with two segments labeled 'BSRF' is shown. To the right of this, the text 'LIMIT OF DISTURBANCE' is written. Below the BSRF line, a blue line is labeled 'BELTED SILT RETENTION FENCE (BSRF)'. To the right of this, the text 'BELTED SILT RETENTION FENCE (BSRF)' is written. Below the BSRF line, a blue line is labeled 'COMPOST FILTER SOCK'. To the right of this, the text 'COMPOST FILTER SOCK' is written. Below the Compost Filter Sock, a blue line is labeled 'SEDIMENT BARRIER IDENTIFICATION'. To the right of this, the text 'SEDIMENT BARRIER IDENTIFICATION' is written. Below the Sediment Barrier Identification, a blue line is labeled 'CULVERT IDENTIFICATION'. To the right of this, the text 'CULVERT IDENTIFICATION' is written. Below the Culvert Identification, a blue line is labeled 'ORANGE SAFETY FENCE'. To the right of this, the text 'ORANGE SAFETY FENCE' is written. Below the Orange Safety Fence, a blue line is labeled 'ROADSIDE DITCH'. To the right of this, the text 'ROADSIDE DITCH' is written. Below the Roadside Ditch, a blue line is labeled 'SOIL TYPE'. To the right of this, the text 'SOIL TYPE' is written. Below the Soil Type, a blue line is labeled 'TYPICAL BIC SLOPE CATEGORY'. To the right of this, the text 'TYPICAL BIC SLOPE CATEGORY' is written. Below the Typical Bic Slope Category, a blue line is labeled 'SOIL INCLINATION'. To the right of this, the text 'SOIL INCLINATION' is written. On the left side of the diagram, there are several numerical values: '111.03' in red, 'C 111.001' in blue, 'X' in orange, 'Y' in yellow, and 'CuB' in orange. On the right side, there is a large 'NO' in red. At the bottom left, there is a blue box with the text 'A1 (-)' and '30-58%'.

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. ON 11-03-2014 THRU 11-04-2014.
3. IMAGERY TAKEN FROM GOOGLE EARTH.
4. THE PROPERTY LINES SHOWN ARE BASED ON GSA'S TAX ASSESSMENTS RECORDS (PROVIDED) BY CATEGORIES. 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 ERH.
6. ALL DIMENSIONS AND MEASUREMENTS SHALL BE SHOWN IN FEET. THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
7. ALL STATIONING SHOWN IS SLOPE STATIONING.
8. FILL DITCH AND TRENCH 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 SHALL BE CLASSIFIED INTO FOUR CATEGORIES: 1. EXISTING MAJOR ROAD, 2. EXISTING MINOR ROAD, 3. EXISTING ROADS MAJOR & MINOR 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 EROSION AND SEDIMENT CONTROLS. EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
12. *ERH 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 PROJECT MANUAL.
13. 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) UPWARD EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.A.5. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS WITHIN THE ROW.

COMMONWEALTH OF VIRGINIA
Daniel R. Goldstein
 DANIEL R. GOLDSTEIN
 Lic. No. 047436
 PROFESSIONAL ENGINEER



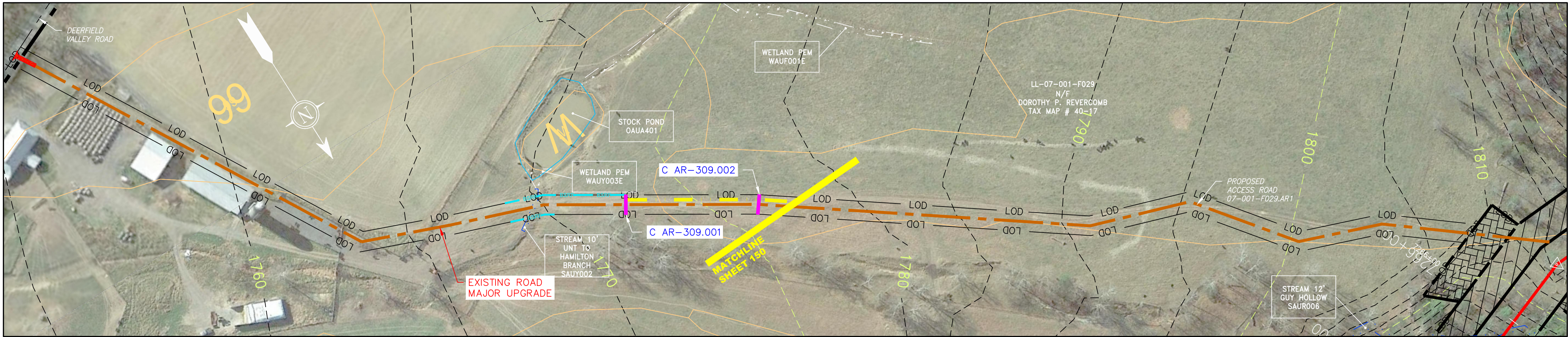
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DATE:	4/26/17
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CHECKED:	DLH
APPROVED:	NET

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

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

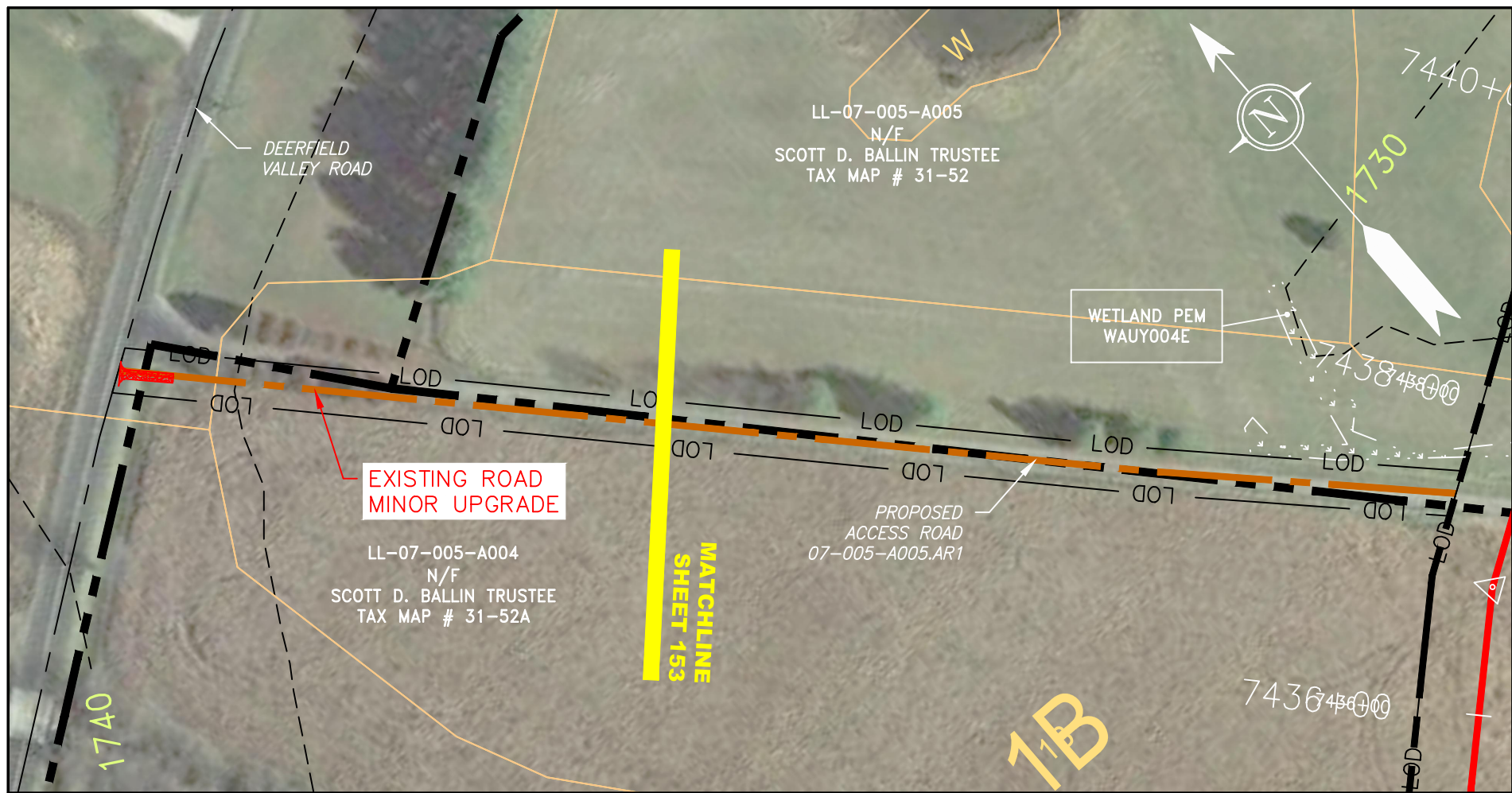
TASK NO.	SUB TASK NO
005	00

GROUP ID D	DRAWING NO. AR-308
AR-308	



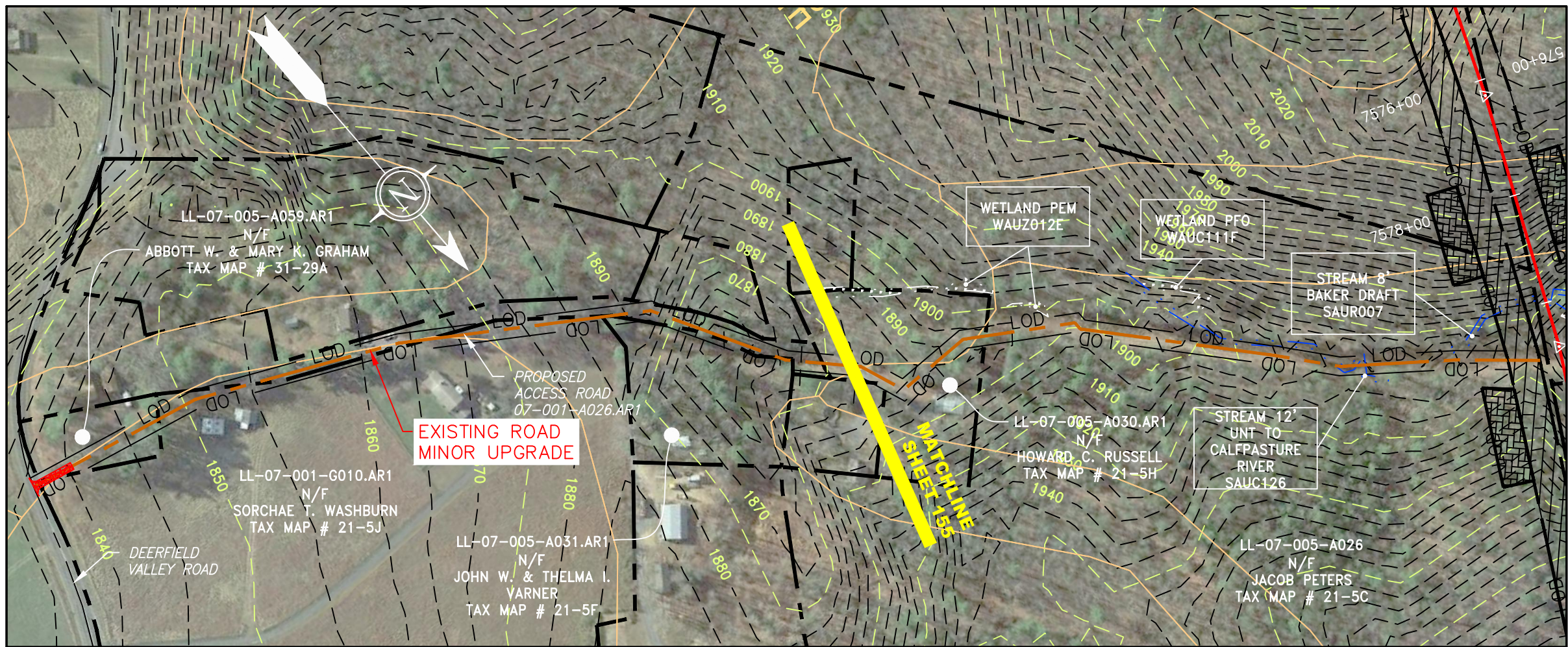
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100' 0 100' 200'

ACCESS ROAD DETAIL
07-001-F029.AR1



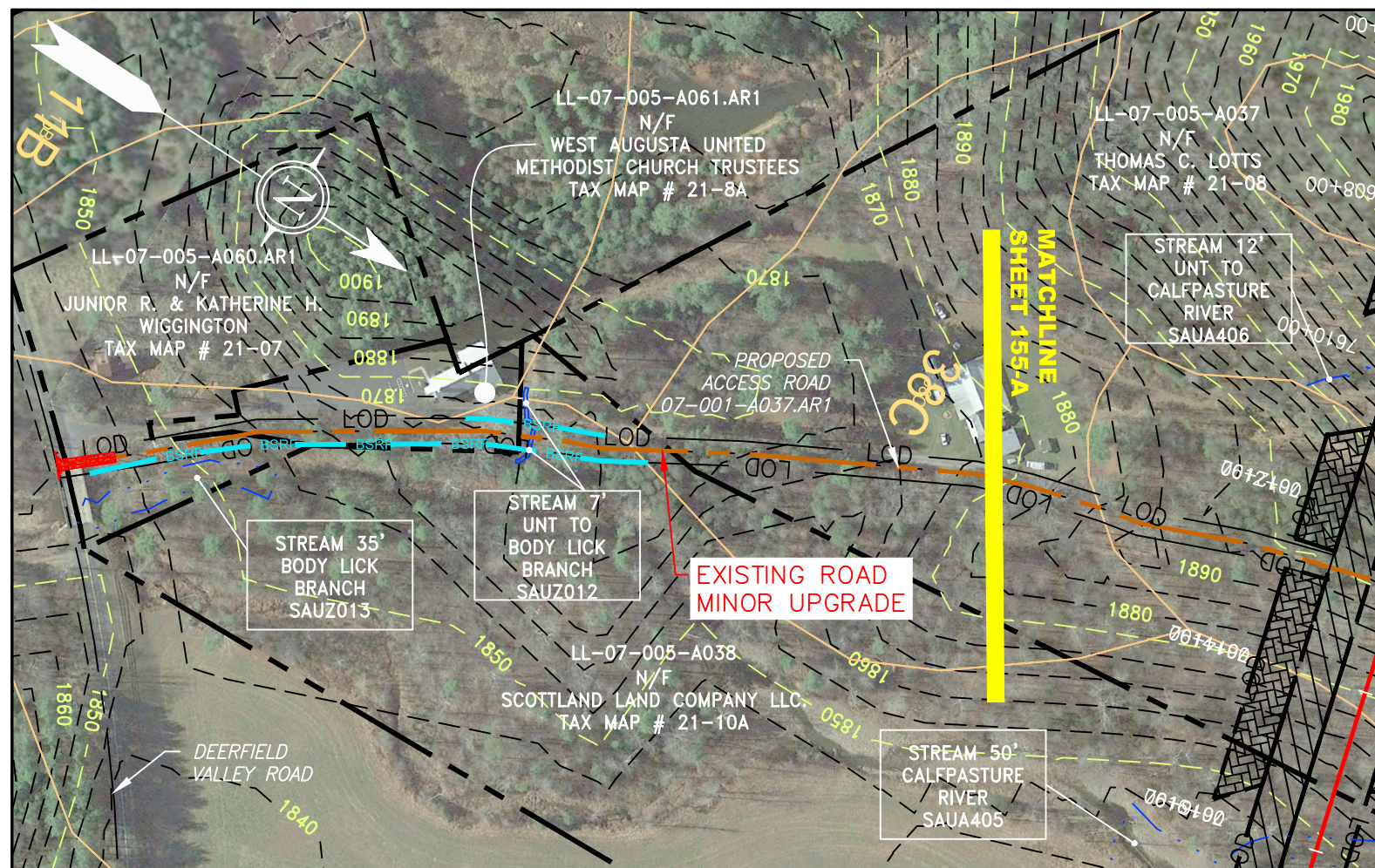
SCALE: 1" = 100'
100' 0 100' 200'

ACCESS ROAD DETAIL
07-005-A005.AR1



SCALE: 1" = 200'
200' 0 200' 400'

ACCESS ROAD DETAIL
07-001-A026.AR1



SCALE: 1" = 200'
200' 0 200' 400'

ACCESS ROAD DETAIL
07-001-A037.AR1

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)

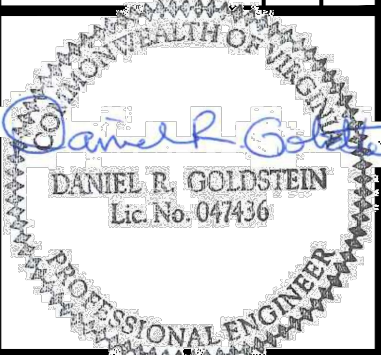
TOPSOIL SEGREGATION AREA
PROPOSED TEMPORARY R.O.W.
UTILITY POLE

PERMANENT WATERBAR/SLOPE BREAKER
TEMPORARY WATERBAR/SLOPE BREAKER
TRENCH BREAKER/PLUG
STREAM CROSSING
USFWS STREAM CROSSING WITH ENHANCED CONTROLS
SEEP
SLOPE DIRECTION
CONSTRUCTION ENTRANCE WITH DITCH
CULVERT AS NEEDED
CULVERT WATERBAR

LIMIT OF DISTURBANCE
BELTED SILT RETENTION FENCE (BSRF)
COMPOST FILTER SOCK
SEDIMENT BARRIER IDENTIFICATION
CULVERT IDENTIFICATION
ORANGE SAFETY FENCE
ROADSIDE DITCH
SOIL TYPE
TYPICAL BIC SLOPE CATEGORY
SLOPE INCLINATION

NOTES: 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 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.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				DESCRIPTION
NO.	DATE	BY	CHKD.	APPROV.



42" AP-1 PIPELINE
ACCESS ROAD DETAIL
AUGUSTA COUNTY, VIRGINIA
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330

SCALE: AS SHOWN
DATE: 4/26/17
DRAWN: CJF
CHECKED: DLH
APPROVED: NET

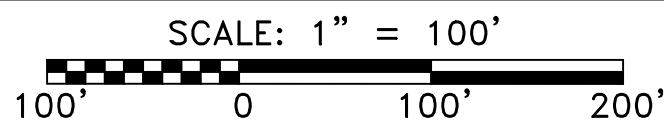


SOUTHPOINTE OFFICE
6000 TOWN CENTER BLVD.
SUITE 300 EAST
CANONSBURG, PA 15317
724-873-3545



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

PROJECT NO./DASH NO. 140468	
TASK NO. SUB TASK NO. 005 00	
GROUP ID DRAWING NO. D AR-309	
AR-309	



THIS DRAWING WAS PRODUCED WITH COMPUTER AIDED DRAFTING TECHNOLOGY AND IS SUPPORTED BY ELECTRONIC DRAWING FILES. DO NOT REVISE THIS DRAWING VIA MANUAL DRAFTING METHODS.

NOTES:

1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, U.S. 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 07-03-2014.
3. IMAGERY TAKEN FROM GOOGLE EARTH.
4. THE PROPERTY LINES SHOWN ARE BASED ON A SIX (6) 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 SEDIMENT CONTROL MEASURES WILL BE SHOWN AT THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
7. ALL STATIONING SHOWN IS SLOPE STATIONING.
8. EROSION CONTROL FENCE AND SLOPE STATIONING SHALL BE INSTALLED PARALLEL TO CONTOUR TO ENTIRELY EROSION 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. EXISTING ROADS HAVE BEEN CATEGORIZED INTO FOUR CATEGORIES: 1) EXISTING ROADS WITH NO EROSION CONTROL MEASURES, 2) EXISTING ROADS WITH 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 WILL REQUIRE EROSION AND SEDIMENT CONTROL MEASURES.
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 SOURCE DATA.
13. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.6 FEDERAL ENVIRONMENTAL REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.6.1. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS.

PROJECT NO./DASH NO. 140468	
TASK NO. 005	SUB TASK NO. 00
GROUP ID D	DRAWING NO. AR-310
AR-310	