

Dominion Carolina Gas Transmission, LLC
5000 Dominion Boulevard
Glen Allen, Virginia 23060



October 17, 2016

Brett Caswell
SC Department of Health & Environmental Control
Bureau of Water
2600 Bull Street
Columbia, SC 29201

RECEIVED

OCT 17 2016

SC Department of
Health and Environmental
Control

RE: Hydrostatic Test Water Discharge Notice of Intent
Dominion Carolina Gas Transmission, LLC (DCG)
Moore to Chappells Pipeline Project
Hydrostatic Test Water General Permit #SCG67001

Mr. Caswell:

In accordance with the National Pollutant Discharge Elimination System (NPDES) General Permit for Hydrostatic Test Water Discharge requirements, this letter serves as Notice of Intent (NOI) for hydrostatic testing discharges associated with the Moore to Chappells pipeline project.

Dominion Carolina Gas Transmission, LLC (DCG) proposes to install a new pipeline which includes approximately 55 miles of 12 inch diameter steel pipe with associated facilities in Spartanburg, Laurens, Newberry, and Greenwood Counties, South Carolina (see attached USGS Topographic Maps). The proposed corridor is located mainly within forested timber and agricultural cropland, with some segments co-located with existing electric and gas transmission right-of-way. The installation will originate at DCG's existing Moore Purchase facility near the intersection of Pearson Town Road and Moore Duncan Highway near Moore, South Carolina and terminate at the Chappells Tie-in with DCG's Line N located near Chappells, South Carolina. The new line is targeted to be in service by the fall of 2017.

The approximate discharge locations are shown on the attached Hydrostatic Test Discharge Locations drawings. Filter bags and/or other energy dissipation and sediment filtration methods will be used, as necessary, to minimize erosion and sedimentation. The hydrostatic testing will result in a total discharge volume of approximately 1,895,258 gallons, to include the individual discharges listed in the table below.

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Discharge Type	Approximate Volume	Notes
Pre-Installation Test	6,625 gallons	HDD-24 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	4,951 gallons	HDD-02 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	7,907 gallons	HDD-03 Dewatering in an upland area in additional temporary workspace

WATER FACILITIES
PERMITTING DIVISION

Pre-Installation Test	9,421 gallons	HDD-04 Dewatering in an upland area in DCG's permanent easement
Pre-Installation Test	6,221 gallons	HDD-05 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	8,673 gallons	HDD-06 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	6,304 gallons	HDD-07 Dewatering in an upland area in DCG's permanent easement
Pre-Installation Test	6,951 gallons	HDD-08 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	5,895 gallons	HDD-17 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	5,372 gallons	HDD-18 Dewatering in an upland area in DCG's permanent easement
Pre-Installation Test	8,103 gallons	HDD-09 Dewatering in an upland area in DCG's permanent easement
Pre-Installation Test	6,613 gallons	HDD-19 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	4,672 gallons	HDD-10 Dewatering in an upland area in DCG's permanent easement
Pre-Installation Test	6,286 gallons	HDD-20 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	7,806 gallons	HDD-11 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	3,912 gallons	HDD-12 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	5,521 gallons	HDD-13 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	14,187 gallons	HDD-21 Dewatering in an upland area in DCG's permanent easement
Pre-Installation Test	5,390 gallons	HDD-25 Dewatering in an upland area in DCG's permanent easement
Pre-Installation Test	4,654 gallons	HDD-26 Dewatering in an upland area in additional temporary workspace
Pre-Installation Test	10,821 gallons	HDD-14 Dewatering in an upland area in DCG's permanent easement
Post-Installation Test	1,748,973 gallons	End of Line Dewatering in an upland area in DCG's permanent easement

The hydrostatic tests will be performed in accordance with U.S. Department of Pipeline Safety regulations (49 CFR 192) and DCG's requirements to ensure its integrity for the intended service and operating pressures.

The pipelines will be hydrostatically tested with water obtained from either filtered raw surface water sources, or from municipal water sources located in the vicinity of the pipeline corridor. At this point in time, DCG requests approval to use any of the three (3) surface water sources and/or eleven (11) municipal sources proposed in this submittal, pending the results of a cost analysis conducted at the time of construction. Test pressure

will be obtained by adding water to the test section with a high pressure pump. Hydrostatic test water will contact only new pipe, and no biocides or other hydrostatic test water additives will be added to the test water.

The Upstate and Midlands Environmental Quality Control (EQC) Regional Offices will be notified, in advance, of the date and time discharges within their respective regions are likely to occur. DCG appreciates your review of the NOI Form for this Project. Your timely processing of these materials will enable DCG to continue to provide reliable natural gas service along its pipeline system.

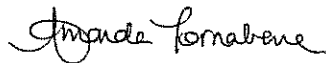
Included in this submittal are the following documents:

- Notice of Intent NPDES General Permit for Hydrostatic Test Water Discharges
- USGS Topographic Maps
- Hydrostatic Test Discharge Location drawings
- Test Water Quality Reports

We trust this information is to your satisfaction and look forward to your approval. Should you have any questions or comments, or require additional information, please contact Elizabeth (Tibby) Hester by phone at 804-273-3573, via email at Elizabeth.L.Hester@dom.com or by mail at the address below:

Mrs. Elizabeth Hester
Dominion Resources Services, Inc.
5000 Dominion Boulevard
Glen Allen, VA 23060

Sincerely,



Amanda B. Tornabene
Director Energy Infrastructure Environmental Services

CC: Ms. Elizabeth Hester – Dominion
Mr. Kennie McKenzie – Dominion
Mr. Fred Hanna, P.E. – AECOM
Mr. Kevin Krick, P.E. – AECOM

Enclosures



Notice of Intent (NOI)
NPDES General Permit for
Hydrostatic Test Water Discharges SCG670000

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form intends to be authorized by a NPDES permit issued for Hydrostatic Test Water discharges in a State location identified in Section I of this form. Becoming a permittee obligates such a discharge to comply with all terms and conditions of the permit. ALL NECESSARY INFORMATION MUST BE INCLUDED WITH THIS FORM. AN ANNUAL OPERATING FEE OF \$100 IS REQUIRED FOR COVERAGE UNDER THIS PERMIT.

I. Facility/Operator Information

Name of Company: Dominion Carolina Gas Transmission, LLC
Company Corporate Address: 121 Moore Hopkins Lane
City: Columbia State: SC ZIP: 29210
Phone: (803) 888-3434 Fax: () N/A
Operator Name: Keith Windle - Dominion Carolina Gas Transmission General Manager Phone: (803) 888-3434
Operator Address: 121 Moore Hopkins Lane
City: Columbia State: SC ZIP: 29210 Operator Status: P

II. Facility Information

Facility Name: Moore to Chappells Pipeline Project Phone: (804) 273-3573
Facility Contact Title: Elizabeth Hester County: Multiple
Mailing Address: 5000 Dominion Boulevard
City: Glen Allen State: VA ZIP: 23060

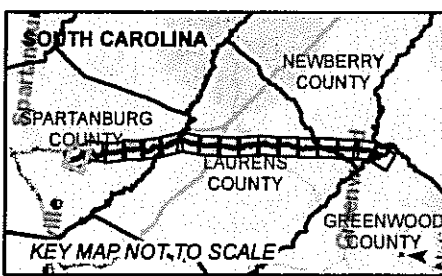
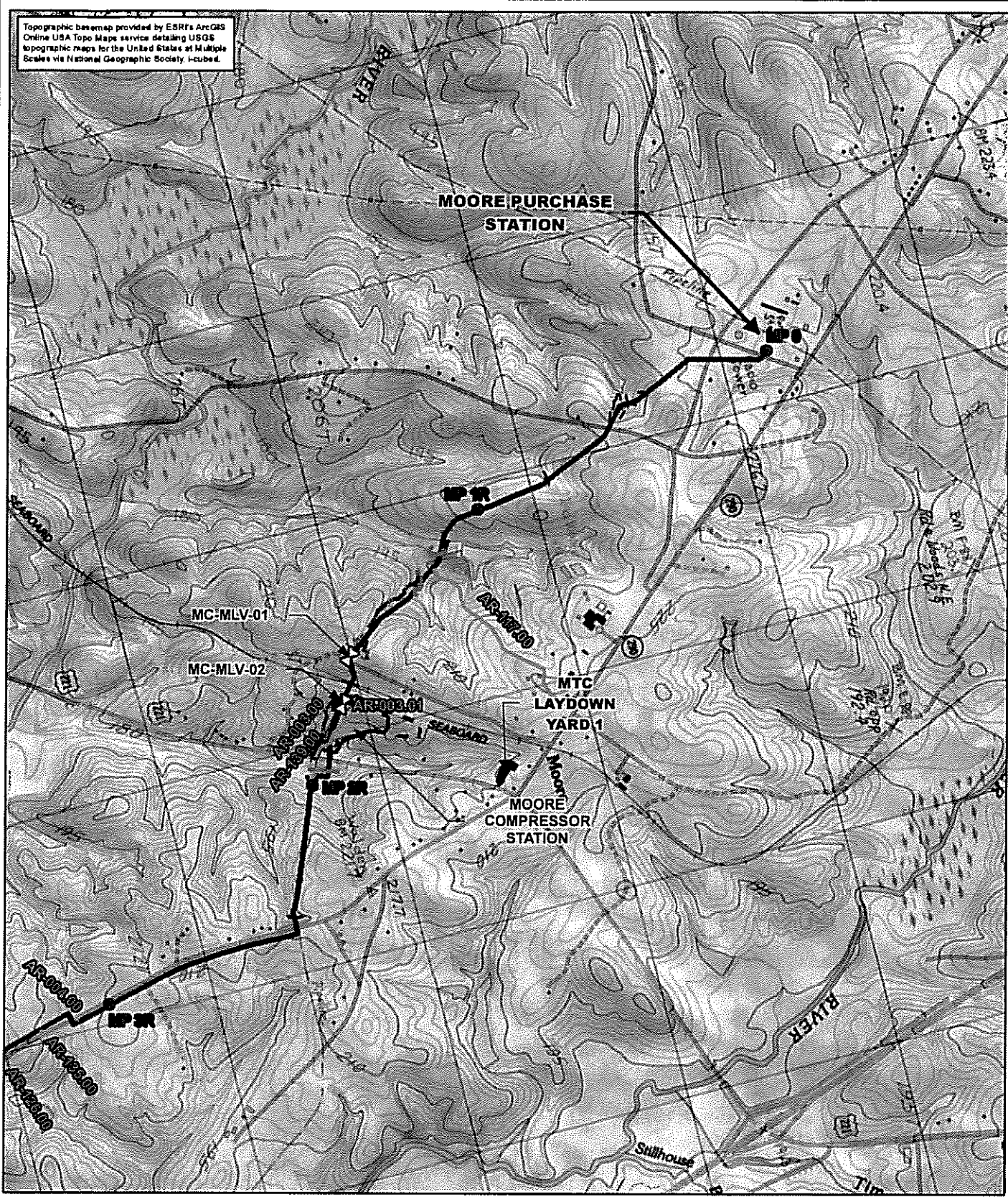
III. Permit Information

A. SIC or Activity Codes: Primary: 4922 2nd: _____ 3rd: _____ 4th: _____
B. Does the facility currently have Hydrostatic Test Water General Permit coverage? Yes (Renewal) SCG670001 No (First Time NOI)
C. List any other NPDES or ND Permit numbers for the facility: SC SC ND

IV. Discharge Information

A. List operations that may contribute to wastewater discharges covered by this permit (New natural gas pipelines, used natural gas pipelines, new LPG pipelines, used LPG pipelines, new petroleum tanks, new petroleum pipelines, used petroleum tanks, and used petroleum pipelines):
New 12 inch diameter natural gas steel pipeline.
B. Provide an approximate range of hydrostatic wastewater discharge volumes that are expected from this operation: One test will be performed having the following volume: approximately 1,895,258 gallons of water.
C. Describe any treatment that may be performed prior to discharge and what type: None. Filtered raw river water or municipal drinking water will be used to to complete the test.
D. List any expected toxic and/or hazardous pollutants and the reason for their presence: None. Filtered raw river water or municipal drinking water will be used to complete the test.
E. Provide a brief description of all erosion and other pollution control measures which may be taken on a project: The hydrostatic test water will be discharged to the upland land surface within Dominion Carolina Gas Transmission right-of-way. The water will be discharged into a geotextile lined de-watering structure located in an upland area of DCG's ROW. Silt fence, hay bales, check dams and other measures will be used to prevent erosion.

Topographic basemap provided by ESR's ArcGIS Online USA Topo Maps service detailing USGS topographic maps for the United States at Multiple Scales via National Geographic Society, i-cubed.





LEGEND:

- MILE POST
- TEMPORARY ACCESS ROAD
- LAYDOWN YARD
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SCALE:

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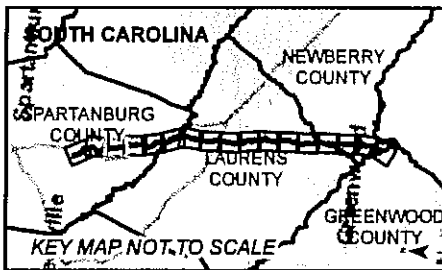
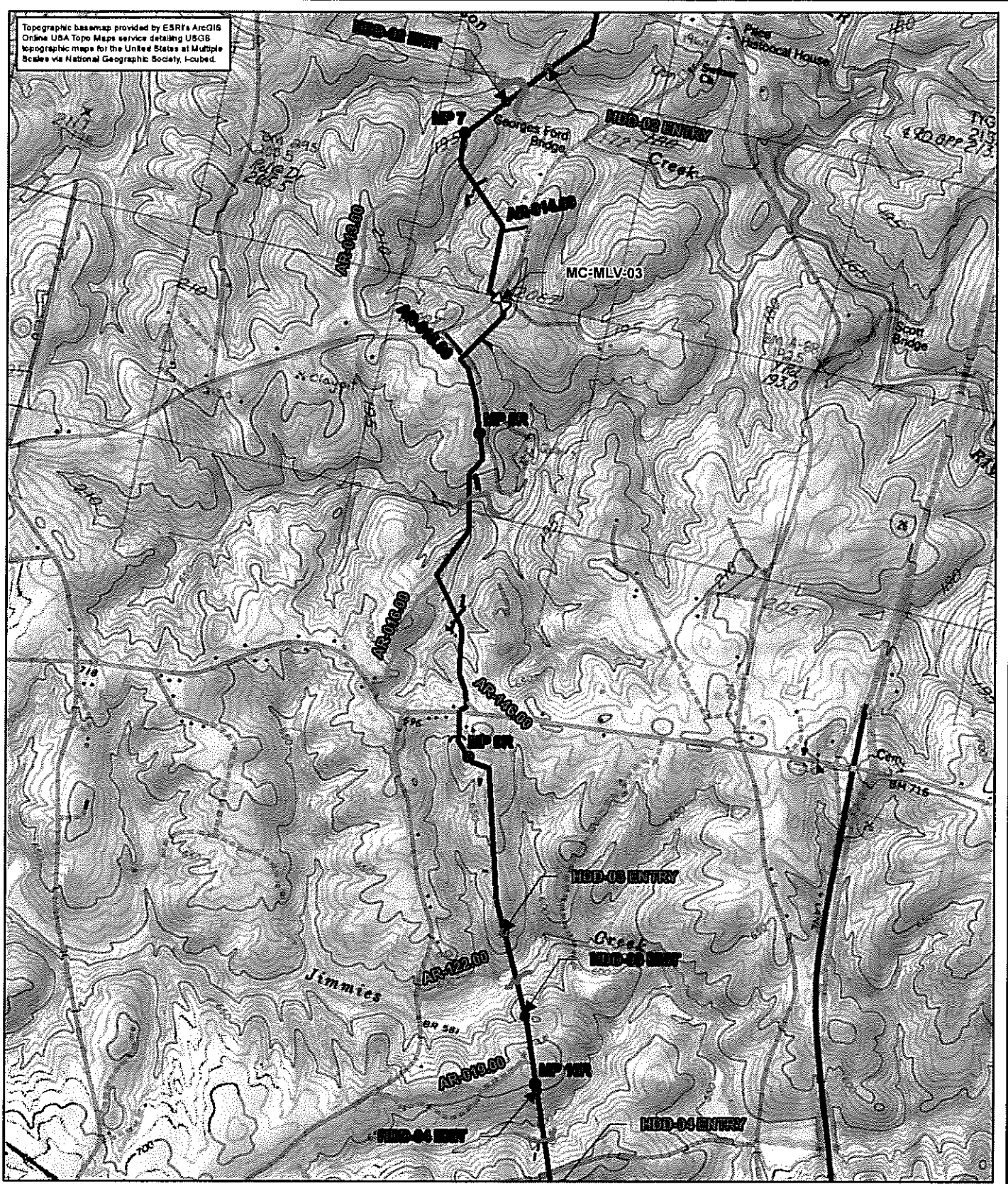
1" = 2,000'

APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLS PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
REIDVILLE, MOORE QUADRANGLE

DRAWN BY: TP	CHECKED BY: AE	APPROVED BY: BG	SCALE: 1" = 2,000'
DATE: 08/19/2016	DRAWING NO.: DCG-MTC-TOP-001	SHEET 2 OF 18	REV: F

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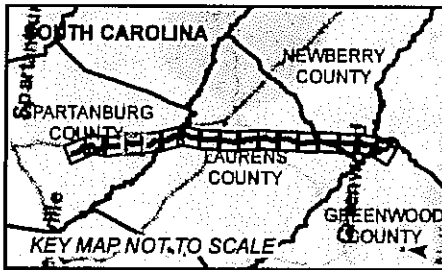
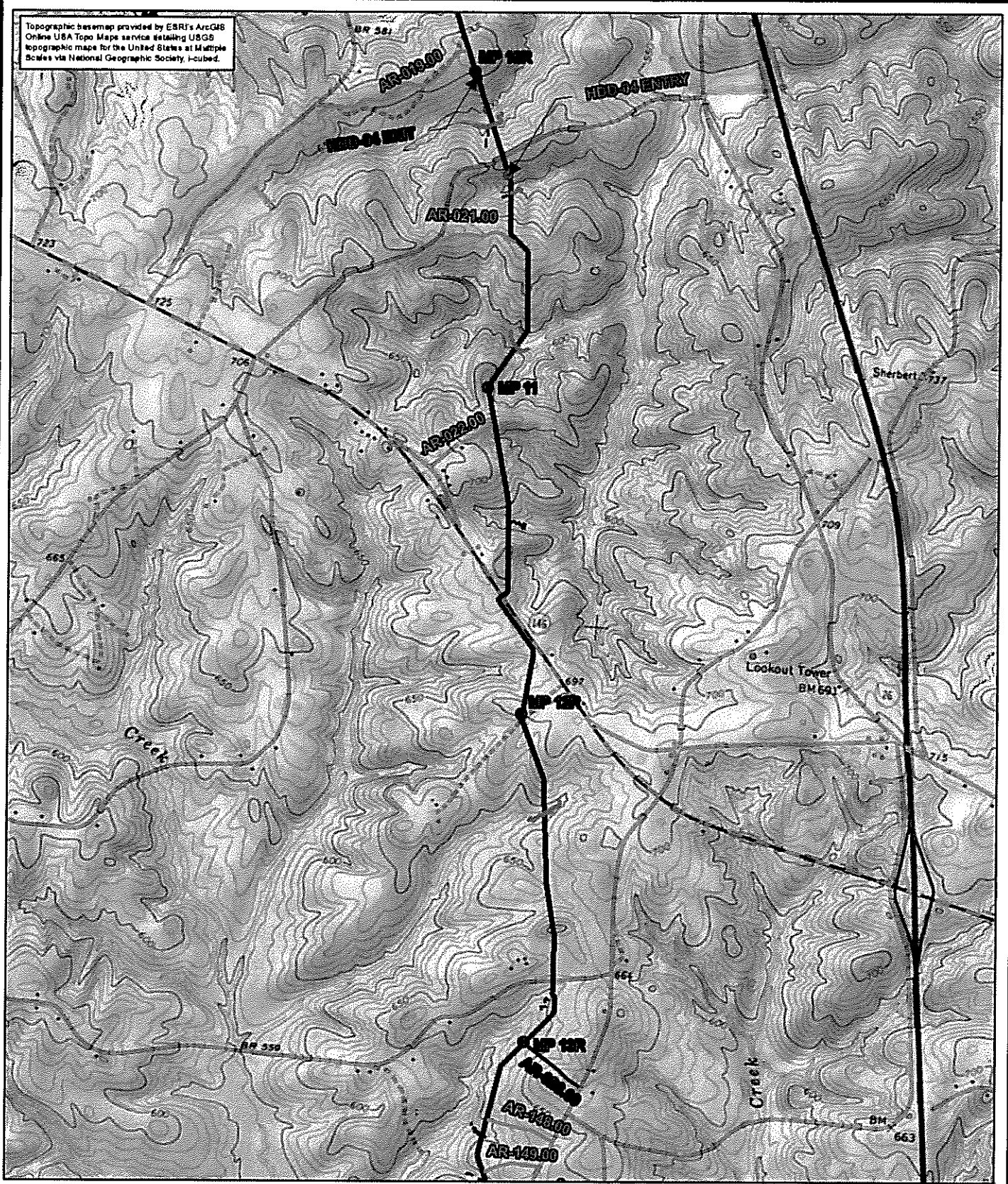
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**APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLS PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
MOORE, ENOREE QUADRANGLE**

DRAWN BY: TP	CHECKED BY: AE	APPROVED BY: BG	SCALE: 1" = 2,000'
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Topographic basemap provided by ESRI's ArcGIS Online USA Topo Maps service utilizing USGS topographic maps for the United States at Multiple Scales via National Geographic Society, I-cubed.





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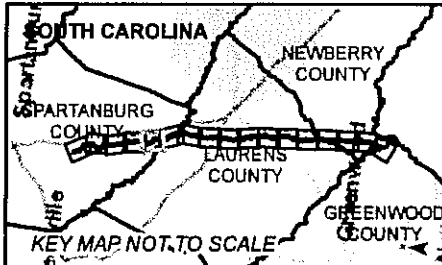
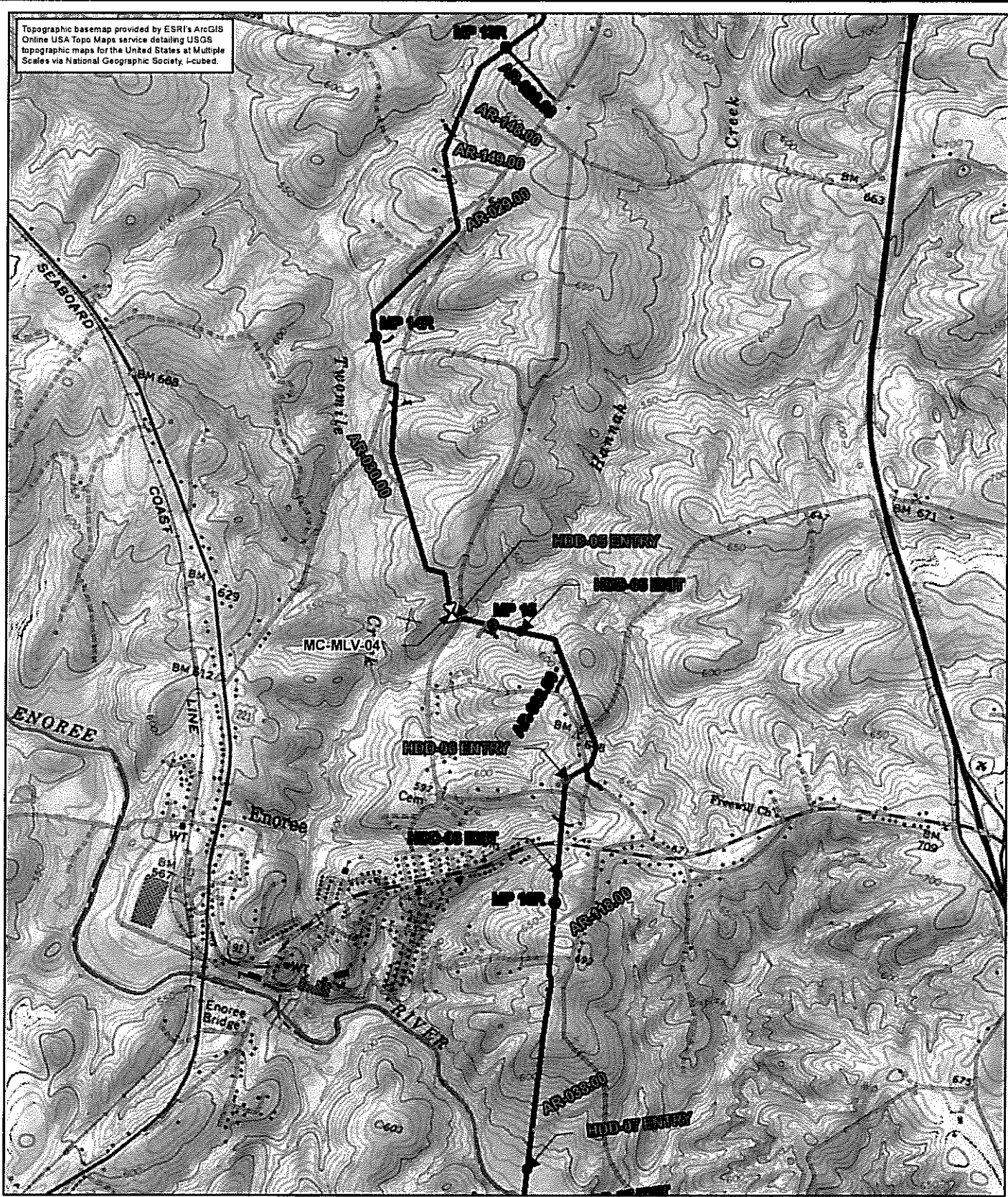
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**APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLA PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
ENOREE QUADRANGLE**

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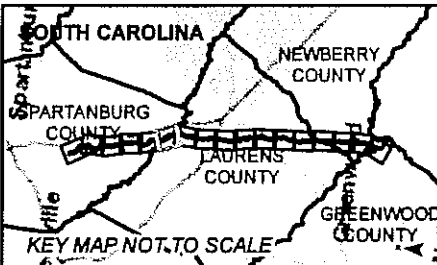
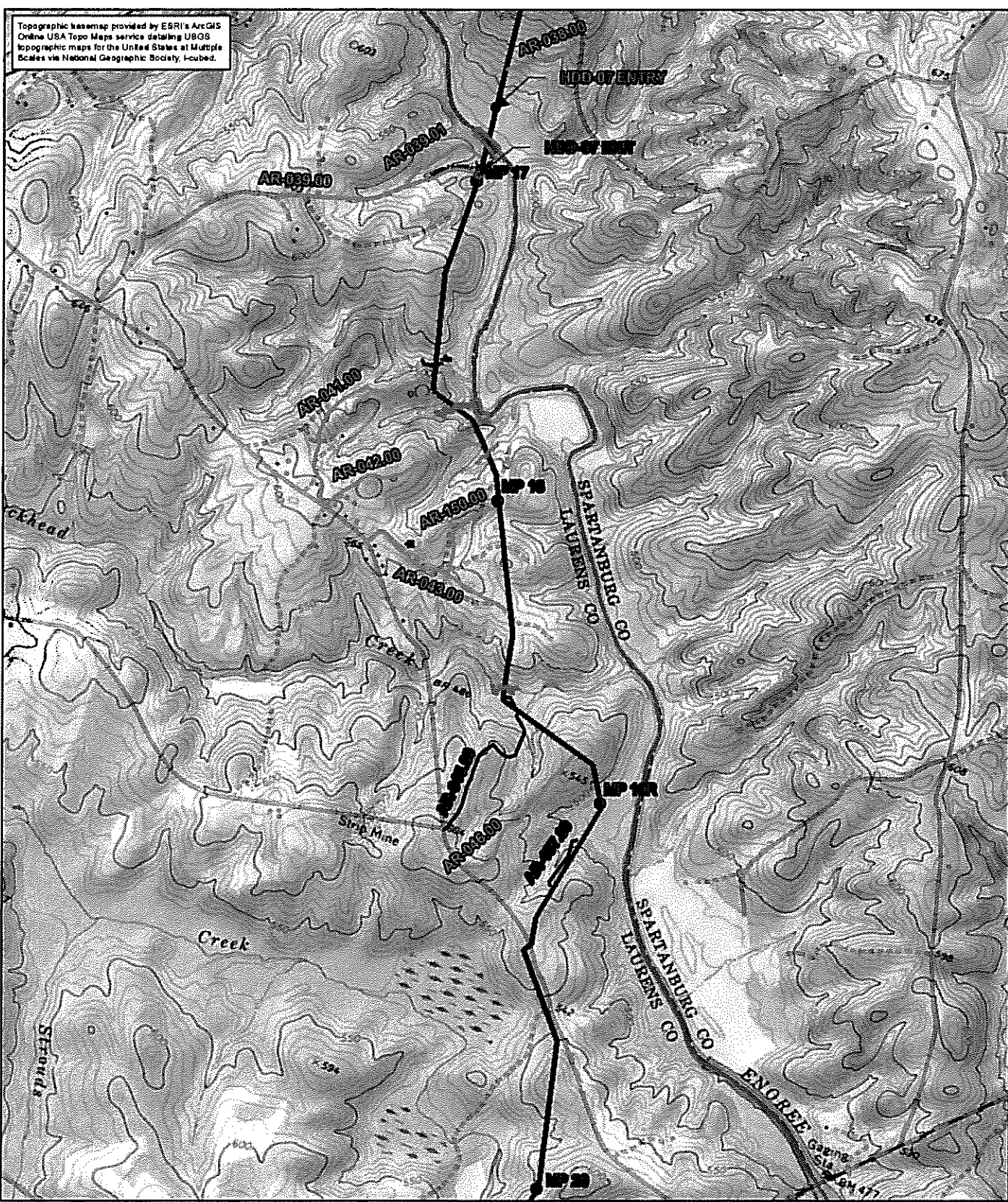
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**APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLA PIPELINE
URGS TOPOGRAPHIC QUADRANGLE MAP
ENOREE QUADRANGLE**

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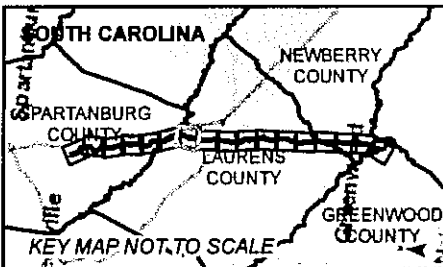
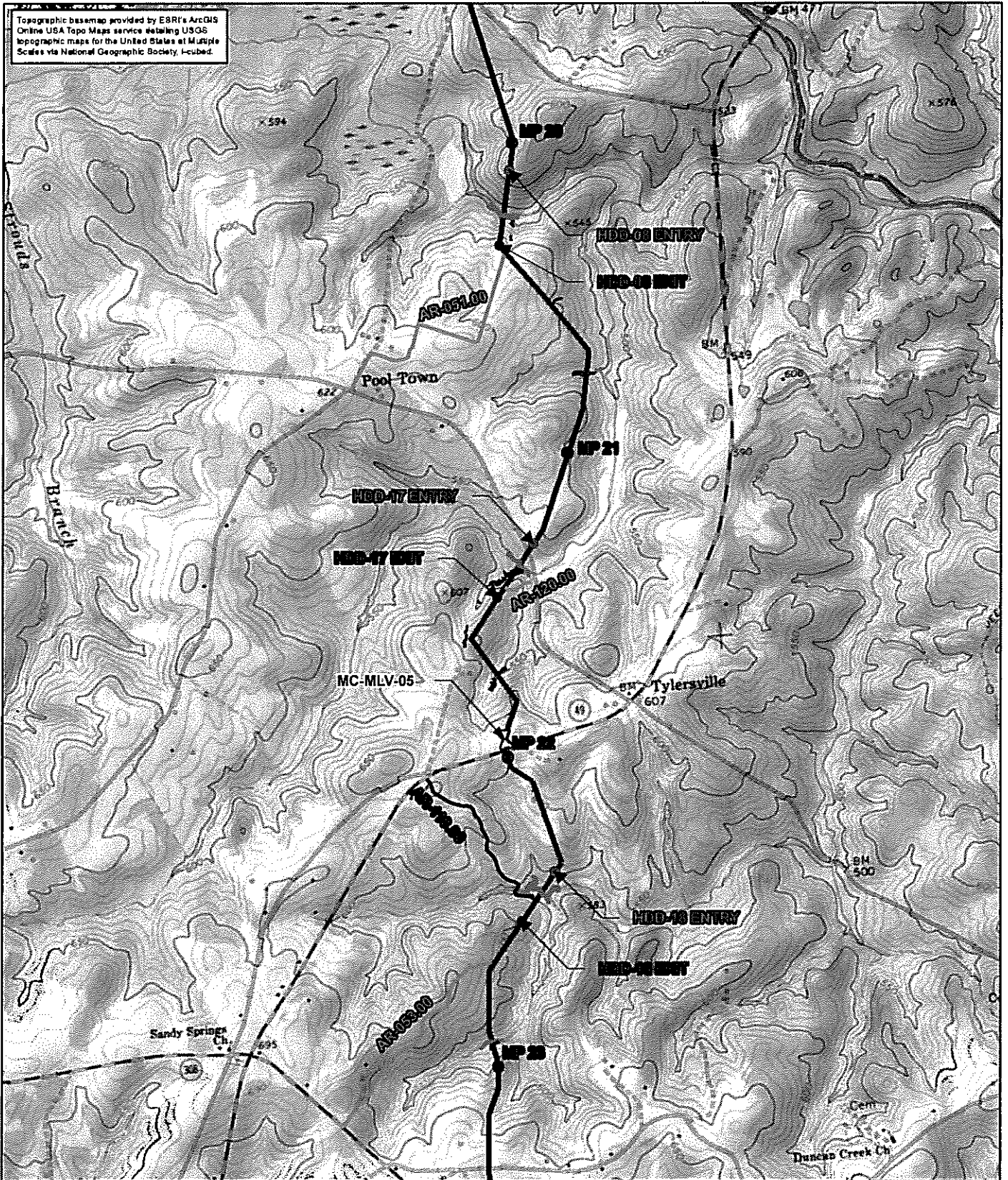
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APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLA PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
ENOREE, ORA QUADRANGLE

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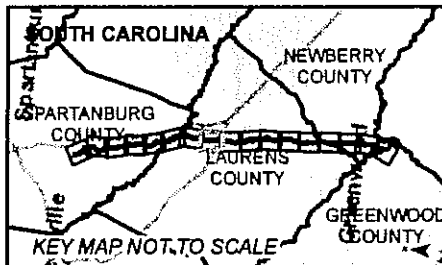
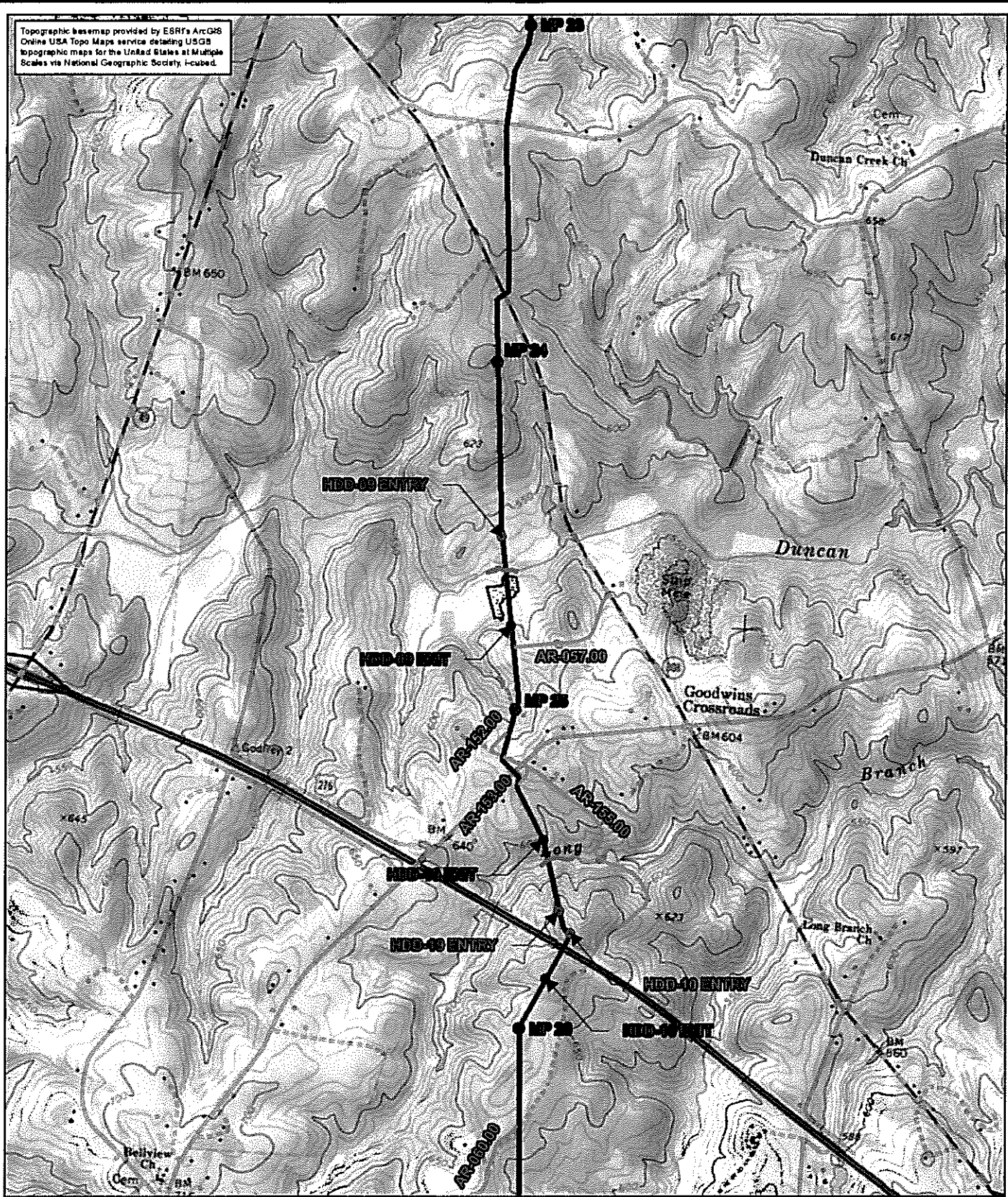
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**APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLS PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
ORA QUADRANGLE**

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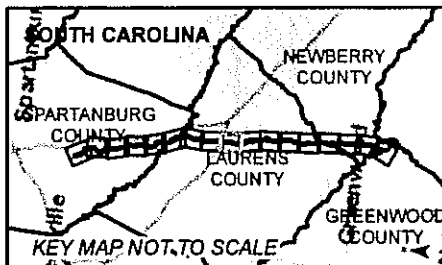
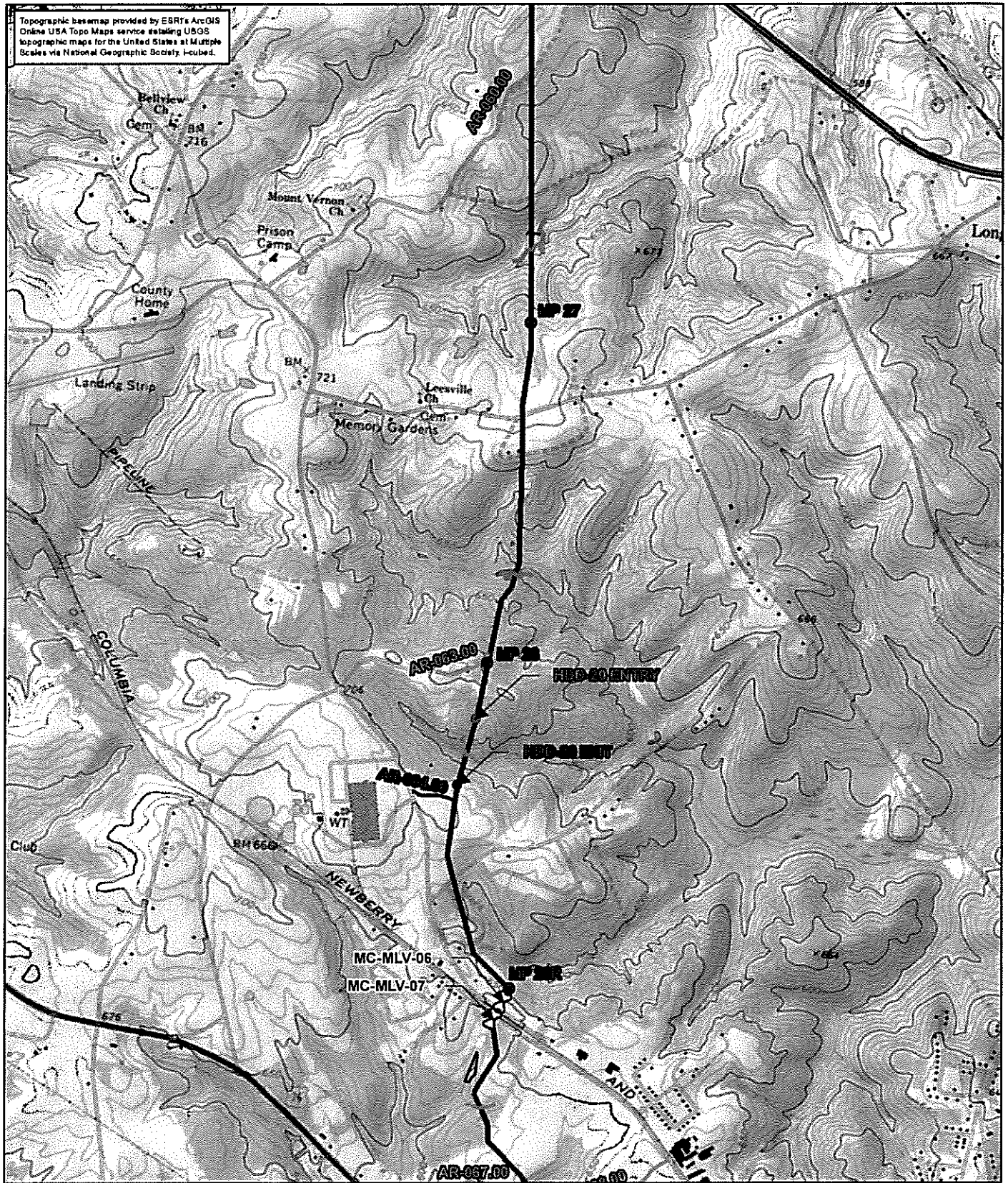
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**APPENDIX 1A
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MOORE TO CHAPPELLS PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
ORA QUADRANGLE**

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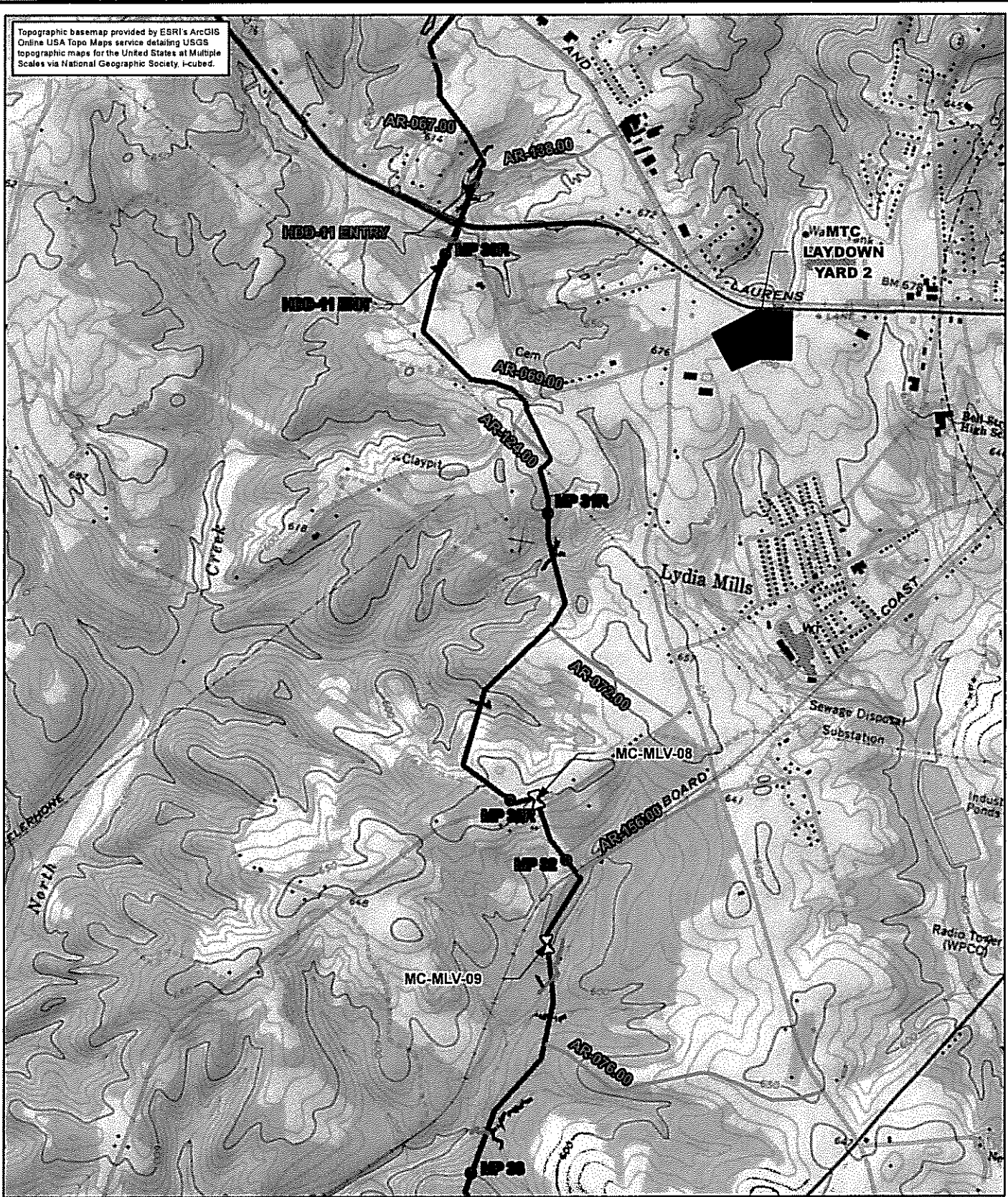
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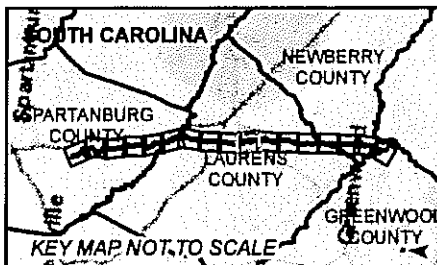
**APPENDIX 1A
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MOORE TO CHAPPELLS PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
ORA, CLINTON QUADRANGLE**

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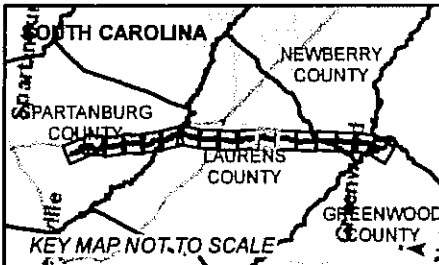
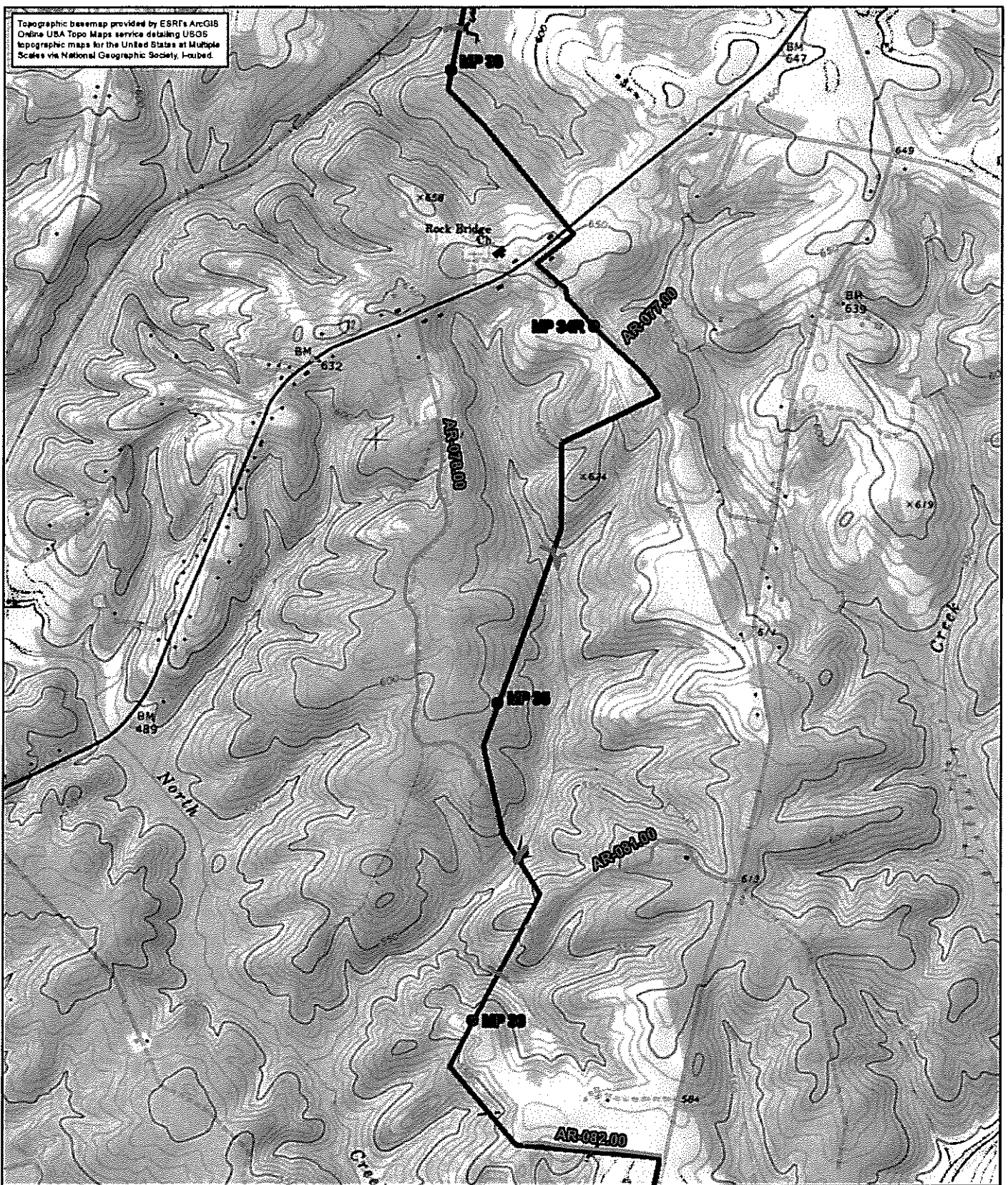
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**APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLS PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
CLINTON QUADRANGLE**

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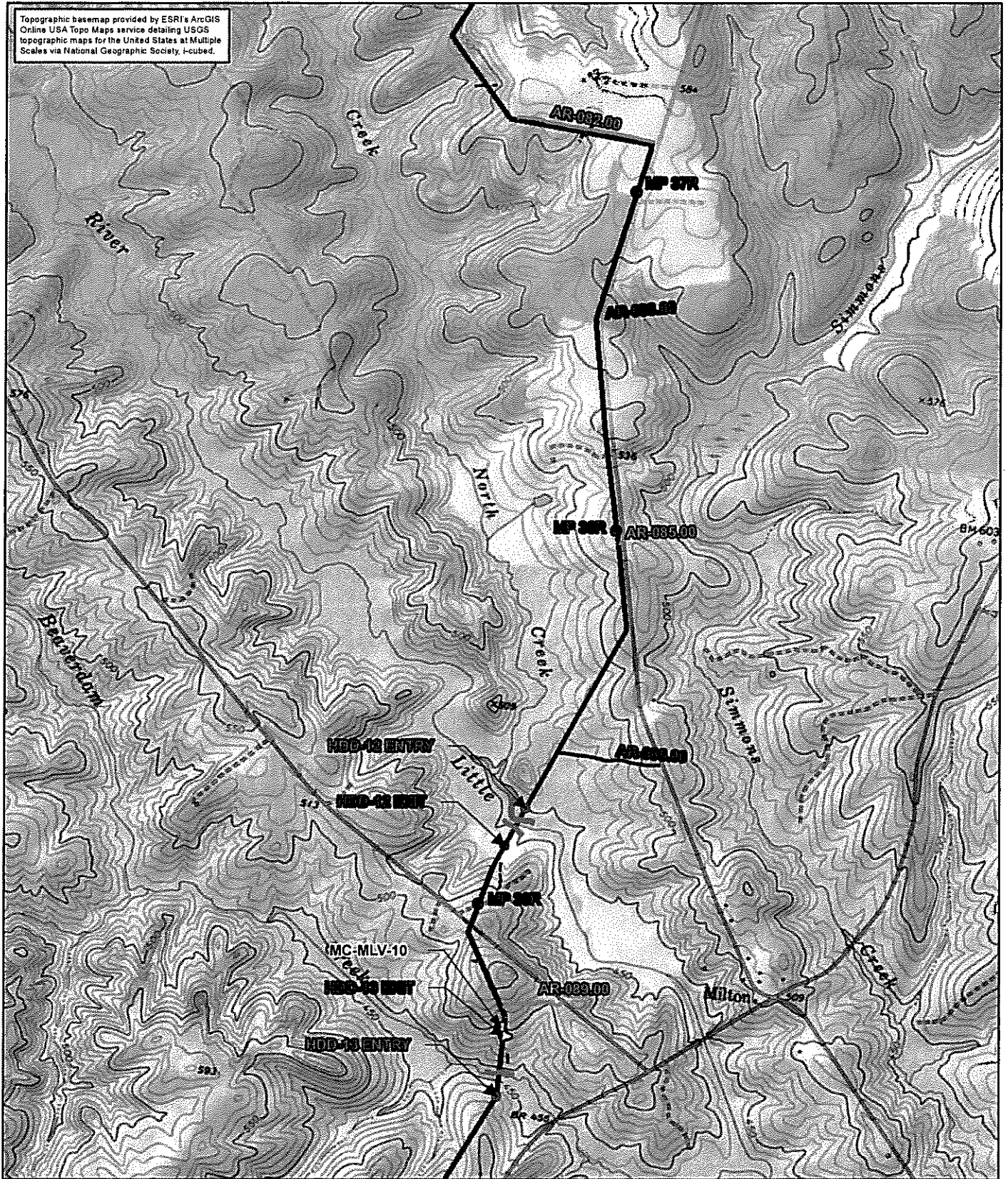
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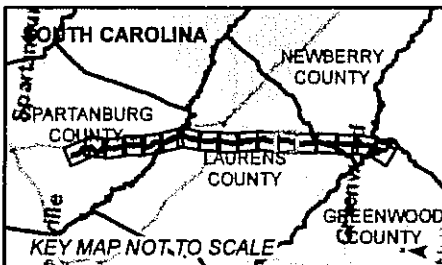
APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLES PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
CLINTON QUADRANGLE

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DATE: 08/19/2018	DRAWING NO: DCG-MTC-TOP-011	SHEET 12 OF 18	REV F

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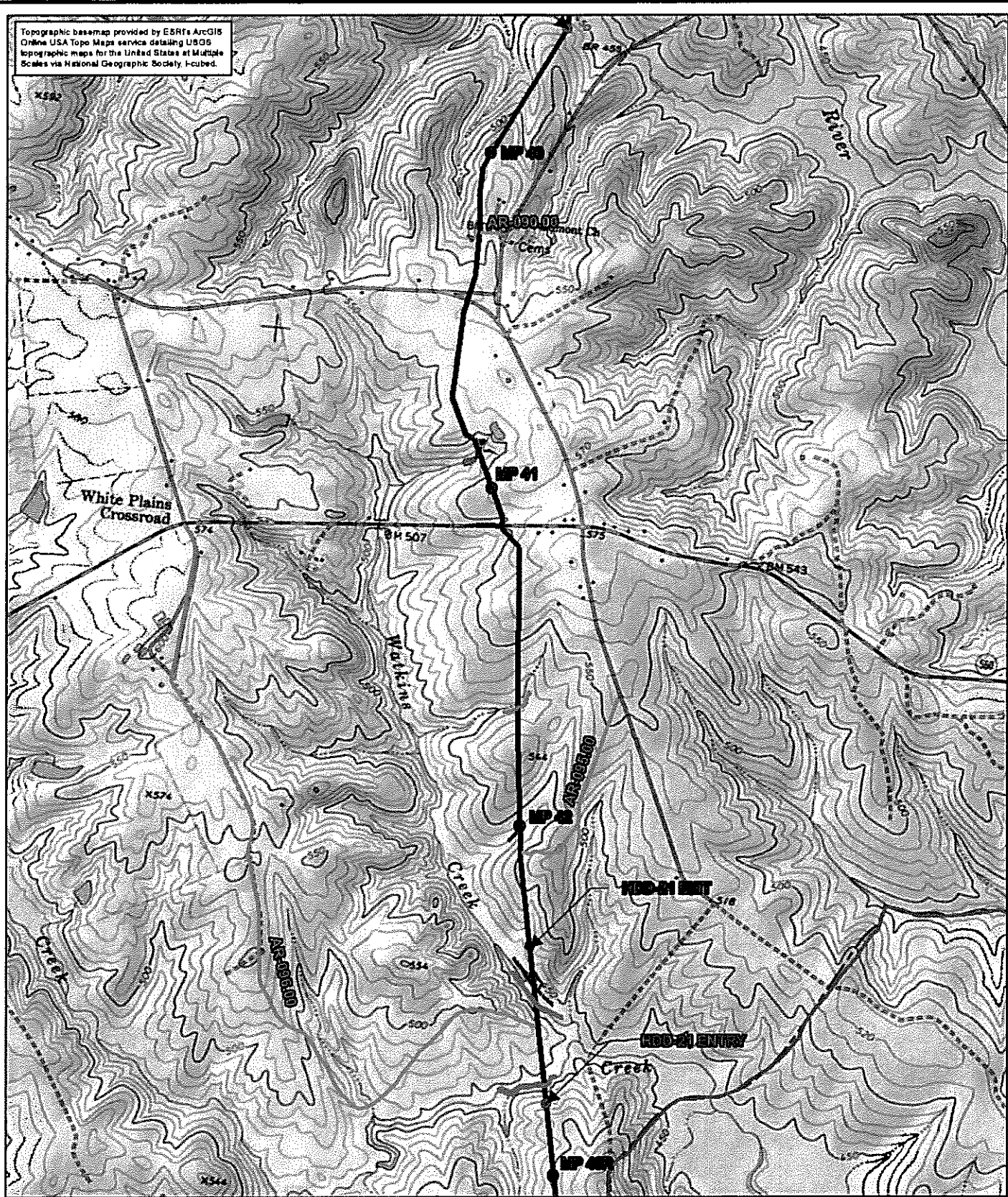
North Arrow

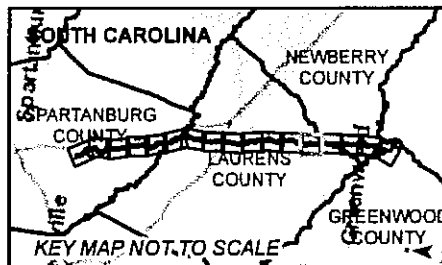
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TRANSCO TO CHARLESTON PROJECT
MOORE TO CHARPELLA PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
CLINTON, CROSS HILL QUADRANGLE**

DRAWN BY: TP	CHECKED BY: AE	APPROVED BY: BG	SCALE: 1" = 2,000'
DATE: 08/19/2016	DRAWING NO: DCG-MTC-TOP-012	SHEET 13 OF 18	REV: F

Topographic basemap provided by EBR's ArcGIS Online USA Topo Maps service detailing USGS topographic maps for the United States at Multiple Scales via National Geographic Society. Licensed.



Path: O:\PE\Projects\SCANACGT\60420377\Pipeline\Ds\01_Mapping\06_GIS\02_MXD\SUPPLEMENTAL_2\DCGT-USGS_TOPO_RM_8.5x11_Supplemental.mxd



LEGEND:

- MILE POST
- TEMPORARY ACCESS ROAD
- LAYDOWN YARD
- PERMANENT ACCESS ROAD
- NOTE TEMPORARY IMPACT
- NOTE TEMPORARY IMPACT
- COUNTY BOUNDARY
- DITCH
- PROPOSED PIPELINE

SCALE:

0 1,000 2,000 Feet

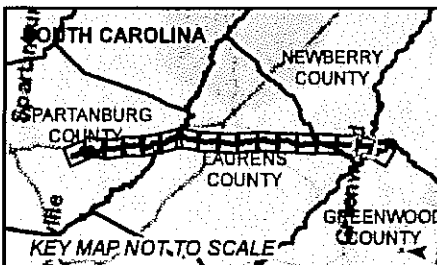
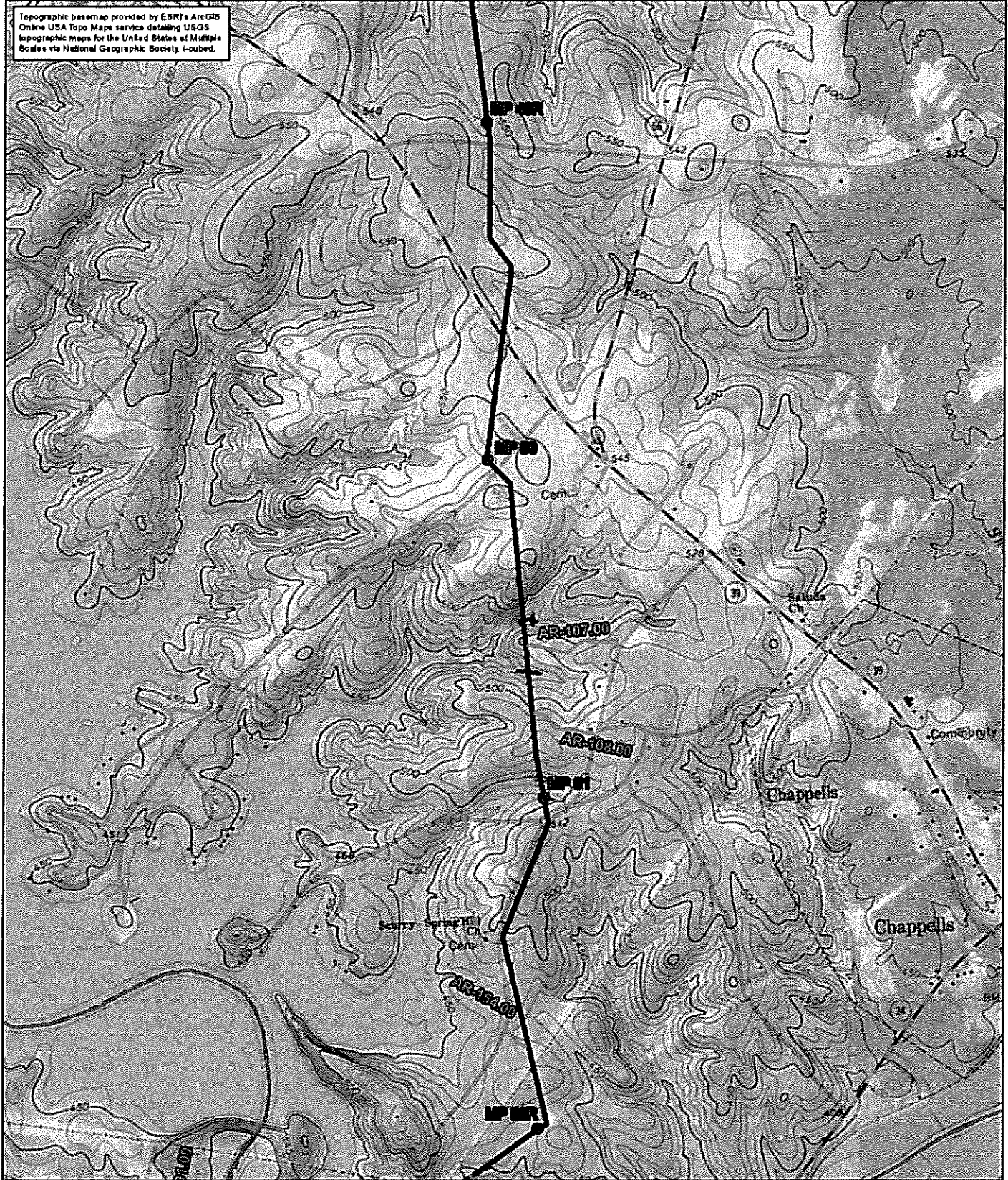
Dominion

URS

**APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLS PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
CROSS HILL QUADRANGLE**

DRAWN BY: TP	CHECKED BY: AE	APPROVED BY: BG	SCALE: 1" = 2,000'
DATE: 08/18/2018	DRAWING NO.: DCG-MTC-TOP-013	SHEET 14 OF 18	REV: F

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LEGEND:

- MILE POST
- ✕ MILEPOST
- HCO ENTRY
- HCO EXIT
- ▬ PROPOSED PIPELINE
- ▬ PERMANENT ACCESS ROAD
- ▬ TEMPORARY ACCESS ROAD
- ▬ LAYDOWN YARD
- ▬ SITE PERMANENT IMPACT
- ▬ SITE TEMPORARY IMPACT
- ▬ COUNTY BOUNDARY
- ▬ DITCH

SCALE:

0 1,000 2,000 Feet

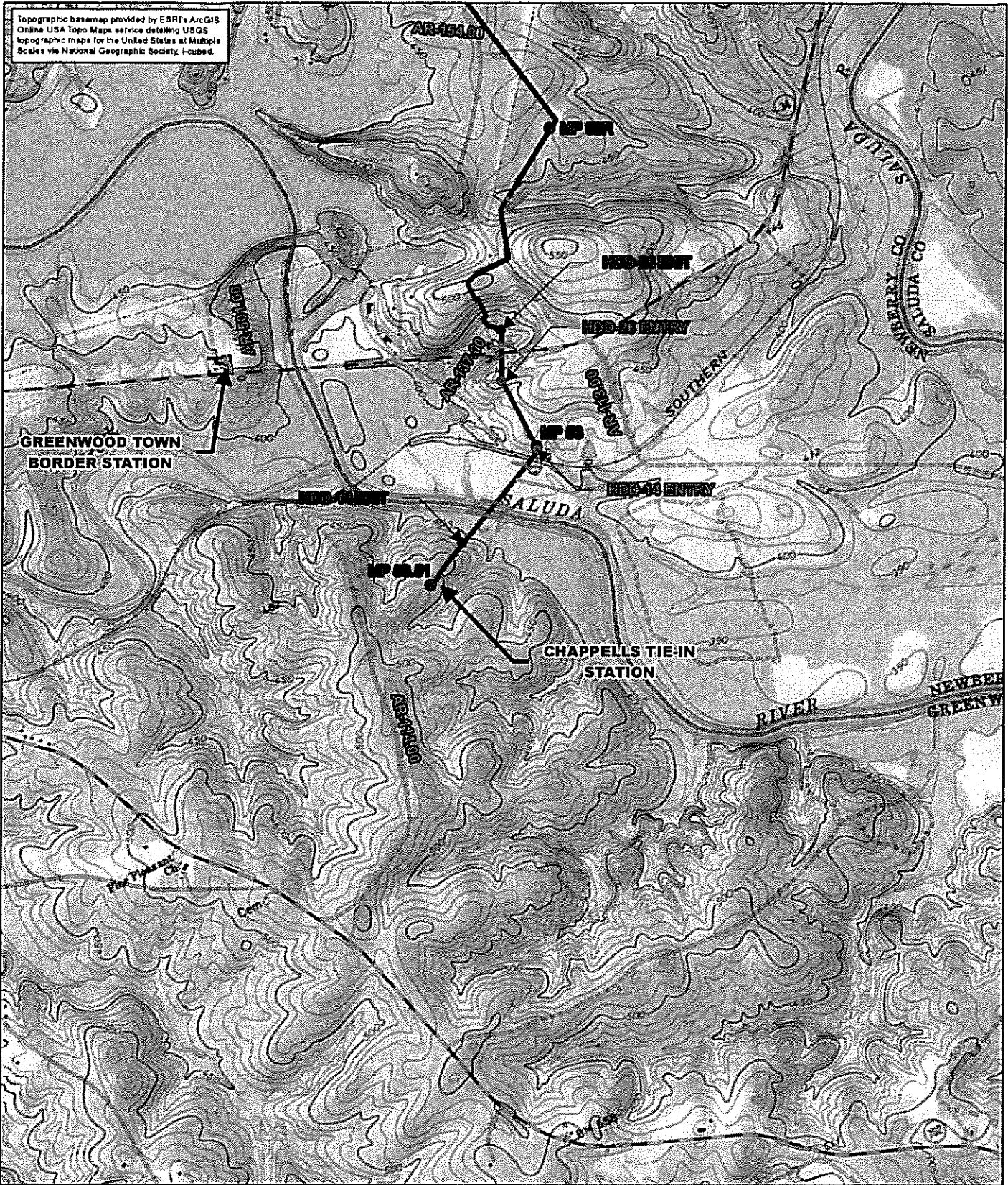
North arrow pointing up.

Dominion

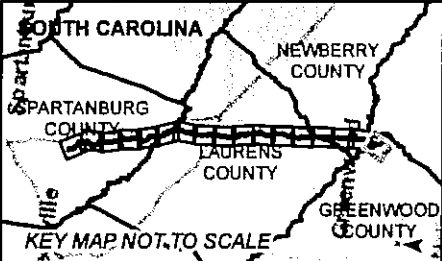
URS

**APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLS PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
DYSOM QUADRANGLE**

DRAWN BY: TP	CHECKED BY: AE	APPROVED BY: BG	SCALE: 1" = 2,000'
DATE: 08/19/2016	DRAWING NO.: DCG-MTC-TOP-016	SHEET 17 OF 18	REV: F



Topographic base map provided by ESRI's ArcGIS Online USA Topo Maps service displaying USGS topographic maps for the United States at Multiple Scales via National Geographic Society, Inc. used.



LEGEND:

- MILE POST
- HDD ENTRY
- HDD EXIT
- PROPOSED PIPELINE
- PERMANENT ACCESS ROAD
- TEMPORARY ACCESS ROAD
- LAYDOWN YARD
- SITE PERMANENT IMPACT
- SITE TEMPORARY IMPACT
- COUNTY BOUNDARY
- DITCH

SCALE:

0 1,000 2,000 Feet

North arrow pointing up.

Dominion

URS

**APPENDIX 1A
TRANSCO TO CHARLESTON PROJECT
MOORE TO CHAPPELLE PIPELINE
USGS TOPOGRAPHIC QUADRANGLE MAP
DYSON QUADRANGLE**

DRAWN BY: TP	CHECKED BY: AE	APPROVED BY: BG	SCALE: 1" = 2,000'
DATE: 06/19/2016	DRAWING NO.: DCG-MTC-TOP-017	SHEET 18 OF 18	REV: F