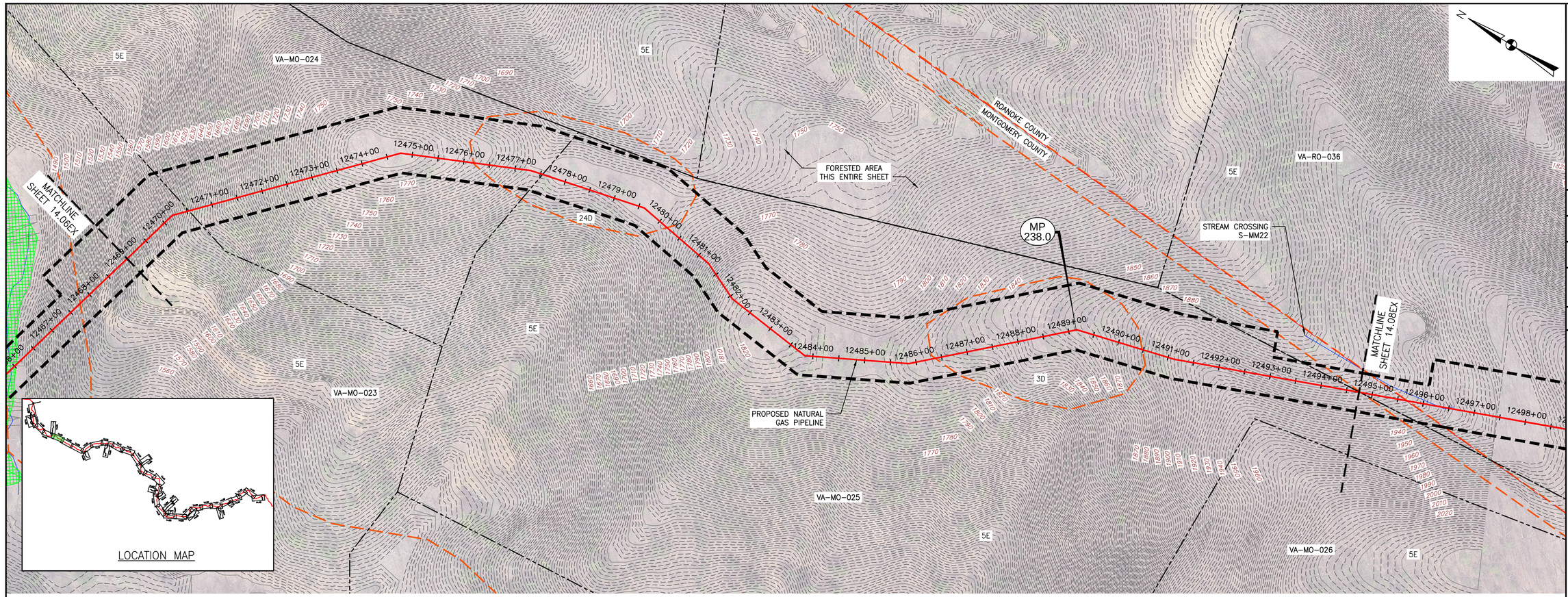
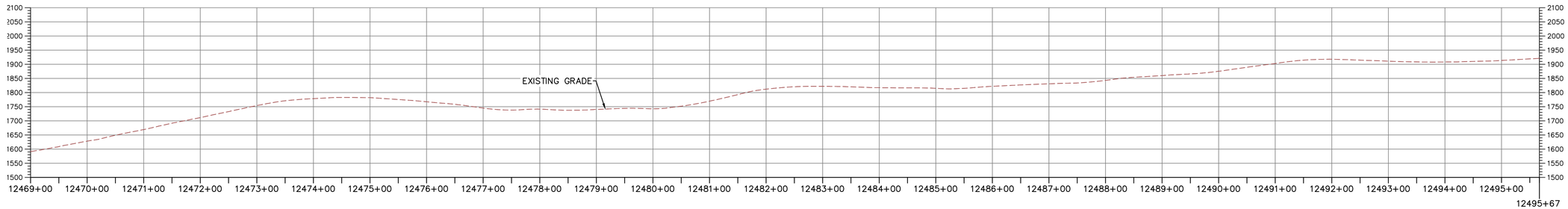


PLAN

SCALE: 1" = 100'

100 0 100 200



PROFILE

HORIZONTAL SCALE:

SCALE: 1" = 100'

100 0 100 200

VERTICAL SCALE:

SCALE: 1" = 200'

200 0 200 400

LEGEND

- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED PIPELINE
- EXISTING CULVERT
- STREAM
- US FOREST SERVICE (NATIONAL FOREST) LANDS
- APPALACHIAN NATIONAL SCENIC TRAIL
- AGRICULTURAL LAND USE BOUNDARY
- ACID FORMING MATERIAL
- EXISTING SOIL BOUNDARY
- EXISTING PROPERTY LINE
- EXISTING STATE LINE
- EXISTING COUNTY LINE
- POND
- WETLAND

NOTES:

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4. SLOPES OF 30% OR GREATER EXIST. CONSTRUCTION FOR STEEP SLOPES TO BE PERFORMED USING STEEP SLOPE TECHNIQUES IDENTIFIED IN THE DETAIL SHEETS. ALSO REFER TO THE SITE-SPECIFIC DESIGN OF STABILIZATION MEASURES IN SELECTED HIGH-HAZARD PORTIONS OF THE ROUTE OF THE PROPOSED MOUNTAIN VALLEY PIPELINE PROJECT.
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REVISIONS:

NO.:	DATE:	DWN.:	CHKD.:	APPD.:	DESCRIPTION:

Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT – H600 LINE

SPREAD 10 – MONTGOMERY COUNTY, VIRGINIA

MOUNTAIN VALLEY PIPELINE, LLC

555 SOUTHPOINTE BOULEVARD, SUITE 200

CANONSBURG, PA 15311

TETRA TECH

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661 ANDERSEN DRIVE
FOSTER PLAZA 7
PITTSBURGH, PA 15220

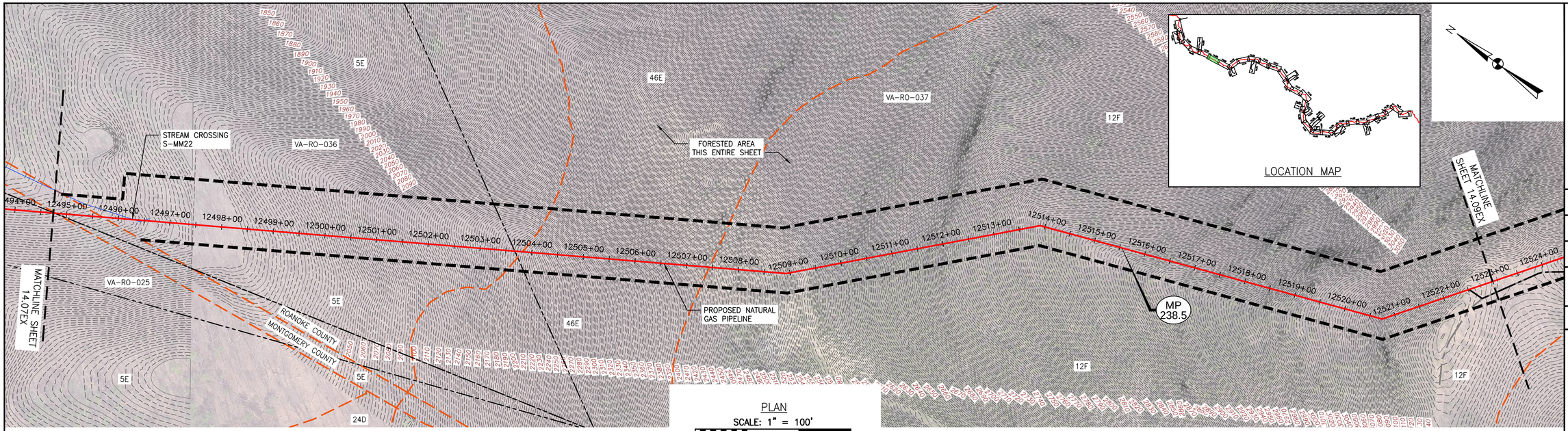
EXISTING CONDITIONS

COMMONWEALTH OF VIRGINIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

DRAWN BY:	LJK
CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
REVISION	

SHT. NO. 14.07EX OF 14.77EX

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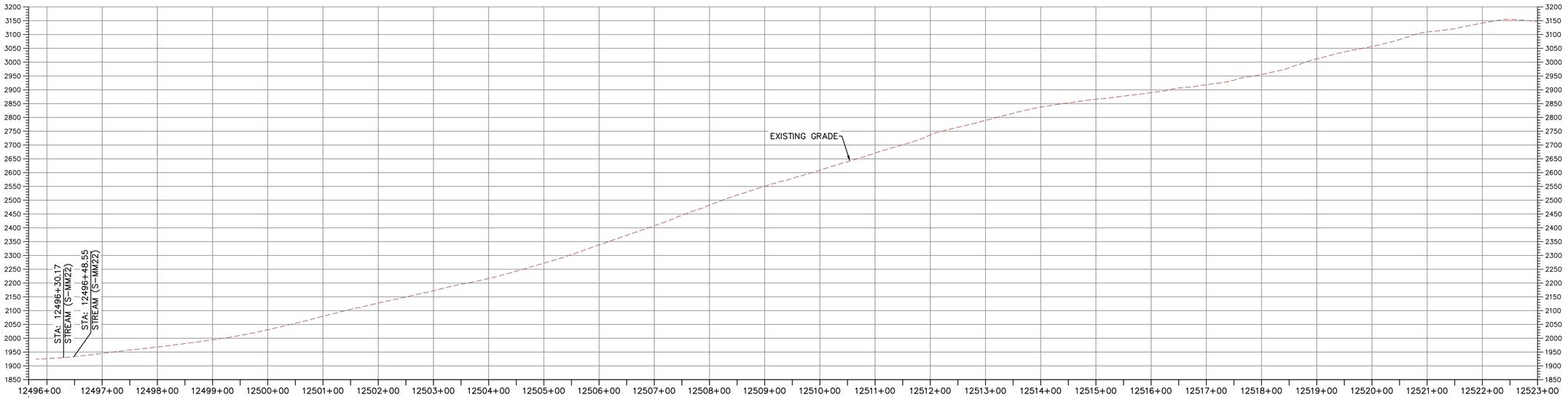


LOCATION MAP

PLAN

SCALE: 1" = 100'

100 0 100 200



PROFILE

HORIZONTAL SCALE:

SCALE: 1" = 100'

100 0 100 200

VERTICAL SCALE:

SCALE: 1" = 200'

200 0 200 400

LEGEND

- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED PIPELINE
- EXISTING CULVERT
- STREAM
- US FOREST SERVICE (NATIONAL FOREST) LANDS
- APPALACHIAN NATIONAL SCENIC TRAIL
- AGRICULTURAL LAND USE BOUNDARY
- ACID FORMING MATERIAL
- EXISTING SOIL BOUNDARY
- EXISTING PROPERTY LINE
- EXISTING STATE LINE
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- POND
- WETLAND

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REVISIONS:

NO.:	DATE:	DWN.:	CHKD.:	APPD.:	DESCRIPTION:

Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT – H600 LINE

SPREAD 10 – ROANOKE COUNTY, VIRGINIA

MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHPOINTE BOULEVARD, SUITE 200
CANONSBURG, PA 15311

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661 ANDERSEN DRIVE
FOSTER PLAZA 7
PITTSBURGH, PA 15220

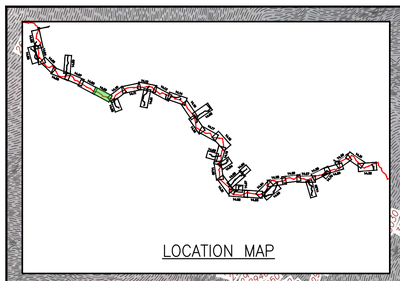
EXISTING CONDITIONS

COMMONWEALTH OF VIRGINIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

DRAWN BY:	LJK
CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
SHT. NO.	14.08EX OF 14.77EX

REVISION

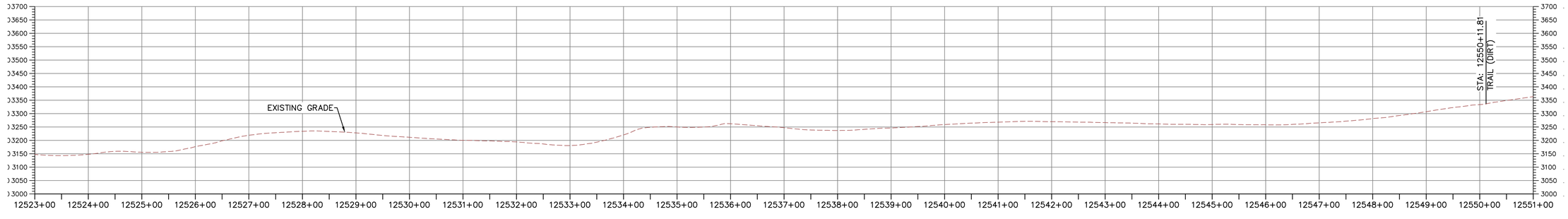
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PLAN

SCALE: 1" = 100'

100 0 100 200



PROFILE

HORIZONTAL SCALE: SCALE: 1" = 100'

100 0 100 200

VERTICAL SCALE: SCALE: 1" = 200'

200 0 200 400

LEGEND

- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED PIPELINE
- EXISTING CULVERT
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REVISIONS:

NO.:	DATE:	DWN.:	CHKD.:	APPD.:	DESCRIPTION:

Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT – H600 LINE

SPREAD 10 – ROANOKE COUNTY, VIRGINIA

MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHPOINTE BOULEVARD, SUITE 200
CANONSBURG, PA 15311

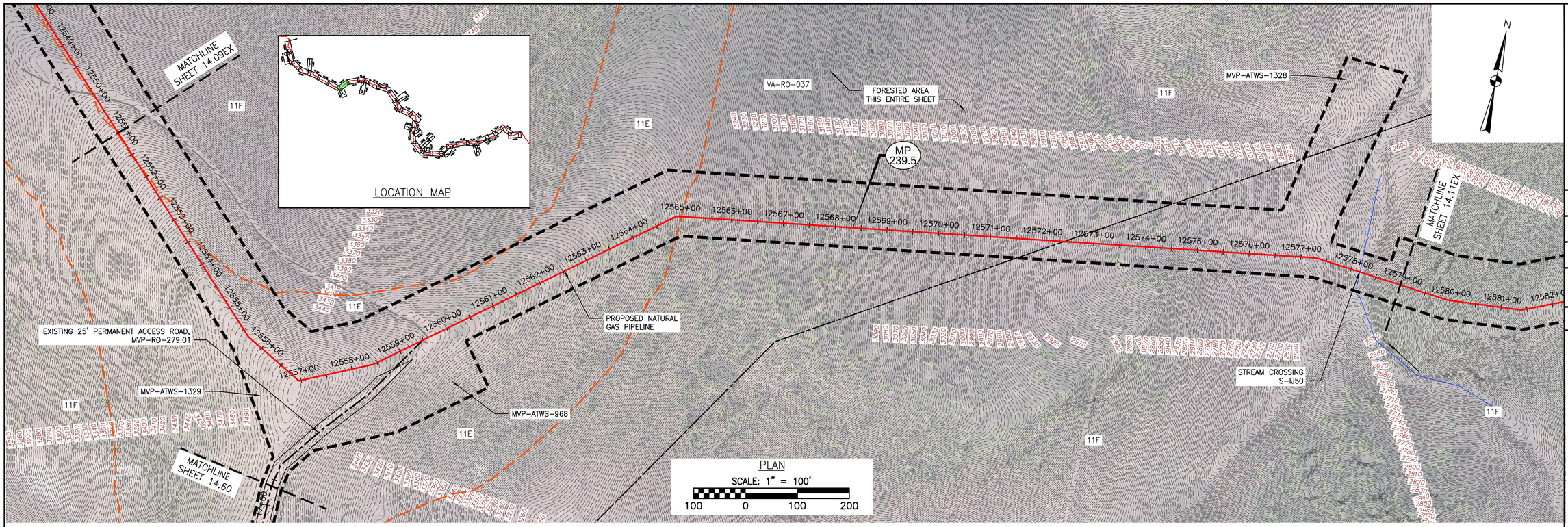
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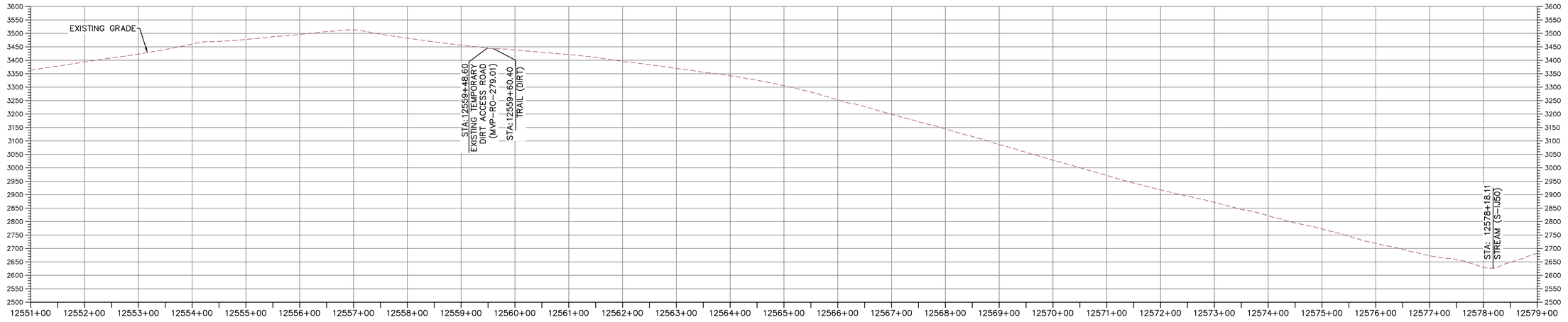
EXISTING CONDITIONS

COMMONWEALTH OF PENNSYLVANIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

DRAWN BY:	IJK
CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
REVISION	
SHT. NO.	14.09EX OF 14.77EX

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PROFILE

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

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

LEGEND

- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED PIPELINE
- EXISTING CULVERT
- STREAM
- US FOREST SERVICE (NATIONAL FOREST) LANDS
- APPALACHIAN NATIONAL SCENIC TRAIL
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- EXISTING COUNTY LINE
- POND
- WETLAND

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REVISIONS:

NO.:	DATE:	DWN.:	CHKD.:	APPD.:	DESCRIPTION:

Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE

SPREAD 10 - ROANOKE COUNTY, VIRGINIA

MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHPOINTE BOULEVARD, SUITE 200
CANONSBURG, PA 15311

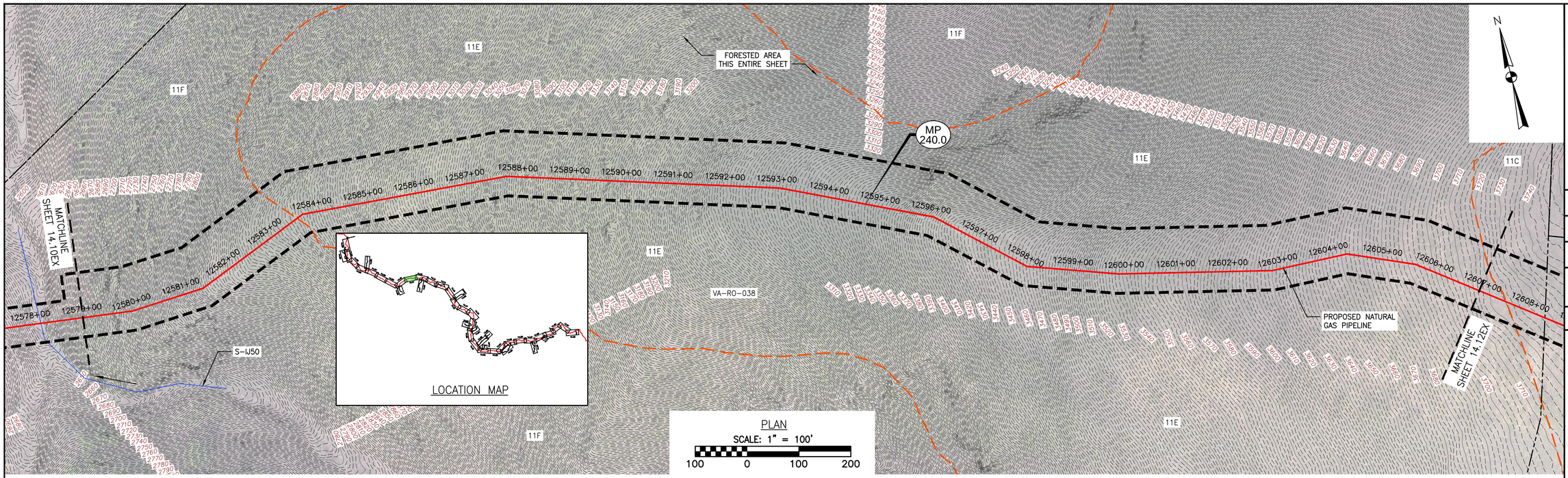
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FOSTER PLAZA 7
PITTSBURGH, PA 15220

EXISTING CONDITIONS

COMMONWEALTH OF VIRGINIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

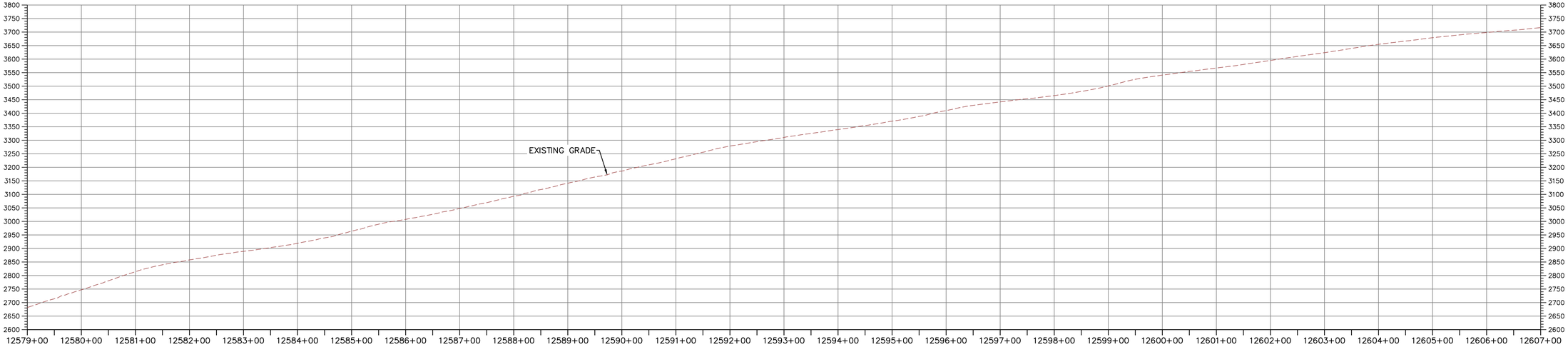
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CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
REVISION	
SHT. NO.	14.10EX OF 14.77EX

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LOCATION MAP

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



PROFILE

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

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

LEGEND

- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED PIPELINE
- EXISTING CULVERT
- STREAM
- US FOREST SERVICE (NATIONAL FOREST) LANDS
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NO.:	DATE:	DWN.:	CHKD.:	APPD.:	DESCRIPTION:

REVISIONS:

Mountain Valley

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT – H600 LINE

SPREAD 10 – ROANOKE COUNTY, VIRGINIA

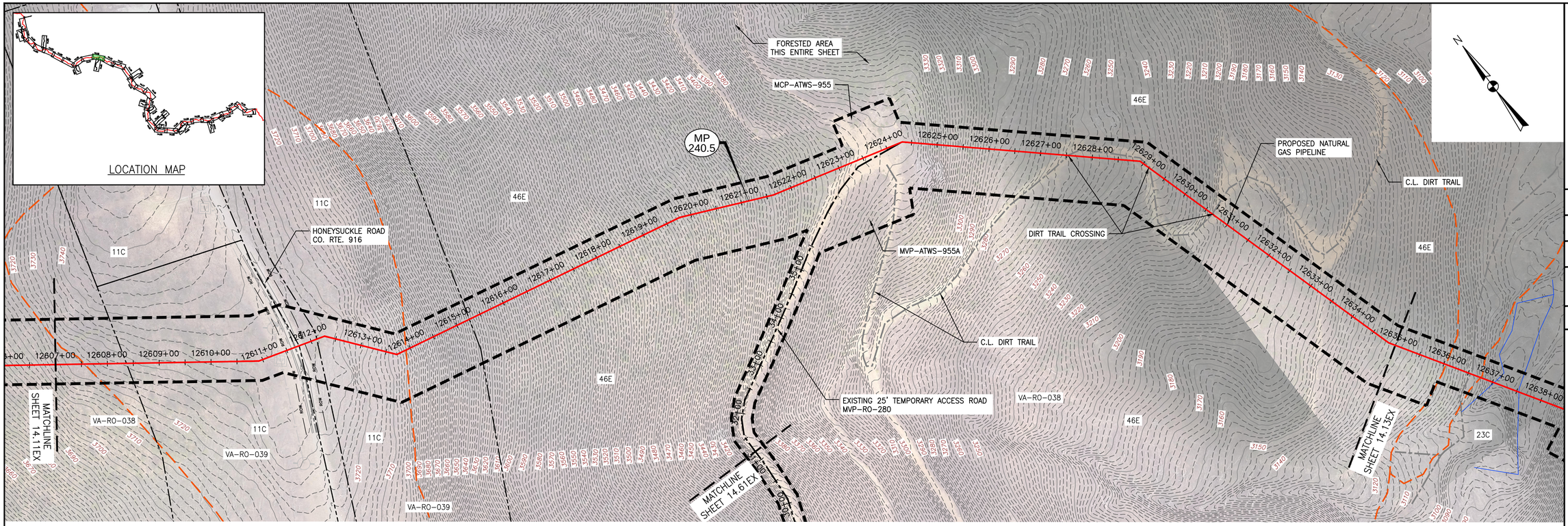
MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHPOINTE BOULEVARD, SUITE 200
CANONSBURG, PA 15311

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PITTSBURGH, PA 15220

EXISTING CONDITIONS

COMMONWEALTH OF PENNSYLVANIA
DAVID J. WALLNER
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PROFESSIONAL ENGINEER

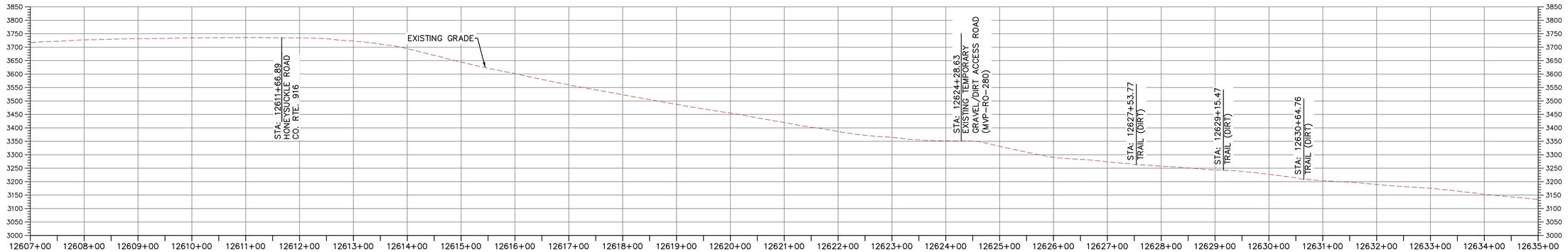
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CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
REVISION	
SHT. NO.	14.11 OF 14.77EX



PLAN

SCALE: 1" = 100'

100 0 100 200



PROFILE

HORIZONTAL SCALE: SCALE: 1" = 100'

100 0 100 200

VERTICAL SCALE: SCALE: 1" = 200'

200 0 200 400

LEGEND

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NO.:	DATE:	DWN.:	CHKD.:	APPD.:	DESCRIPTION:

REVISIONS:

Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE

SPREAD 10 - ROANOKE COUNTY, VIRGINIA

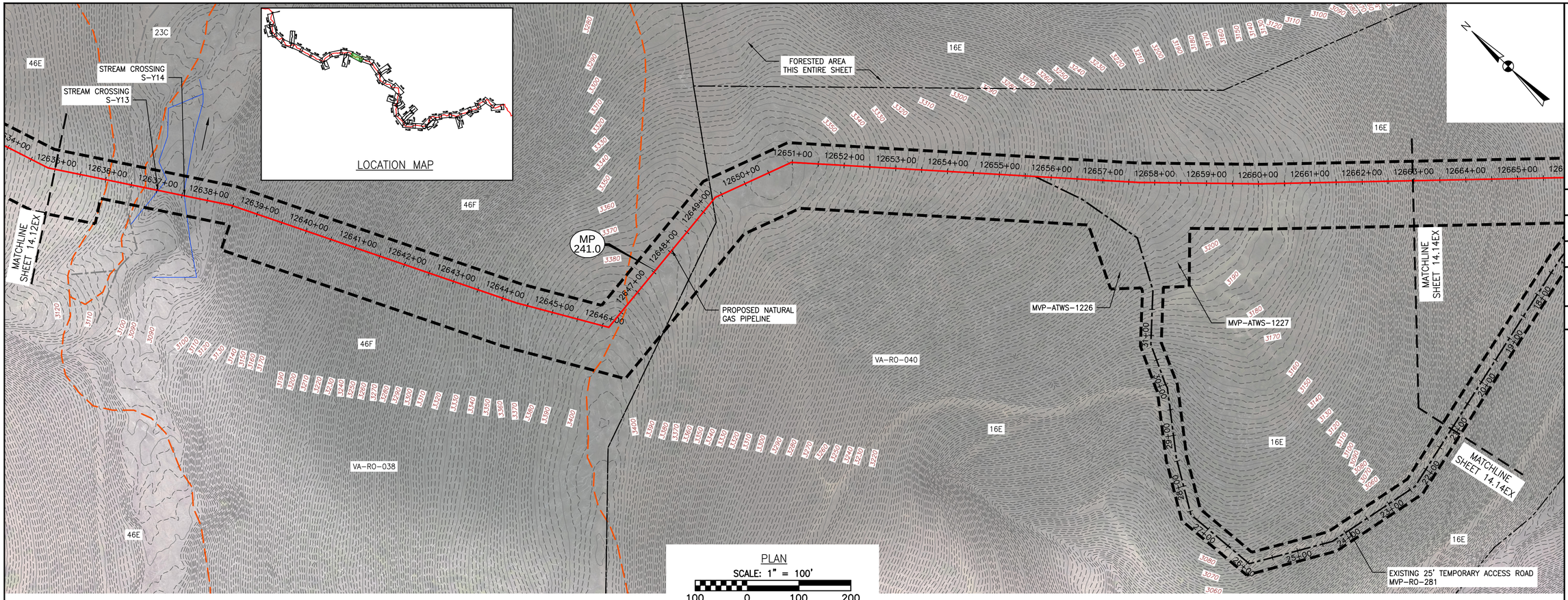
MOUNTAIN VALLEY PIPELINE, LLC
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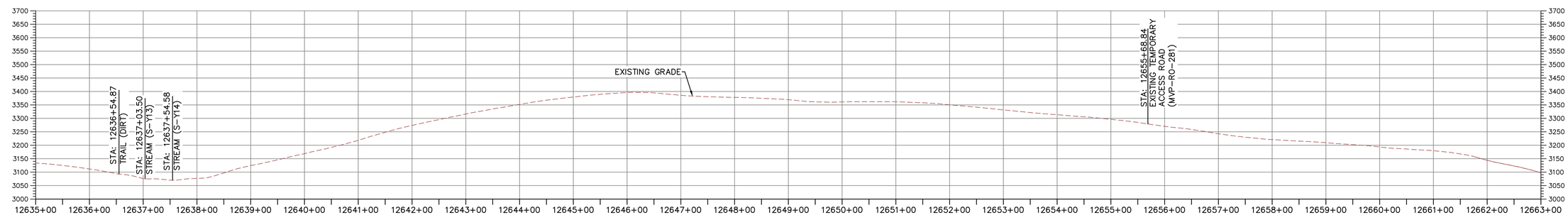
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661 ANDERSEN DRIVE
FOSTER PLAZA 7
PITTSBURGH, PA 15220

EXISTING CONDITIONS

COMMONWEALTH OF VIRGINIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

DRAWN BY:	LJK
CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
REVISION	
SHT. NO.	14.12EX OF 14.77EX





LEGEND

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- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED PIPELINE
- EXISTING CULVERT
- STREAM
- US FOREST SERVICE (NATIONAL FOREST) LANDS
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REVISIONS:

NO.:	DATE:	DWN.:	CHKD.:	APPD.:	DESCRIPTION:

Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT – H600 LINE

SPREAD 10 – ROANOKE COUNTY, VIRGINIA

MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHPOINTE BOULEVARD, SUITE 200
CANONSBURG, PA 15311

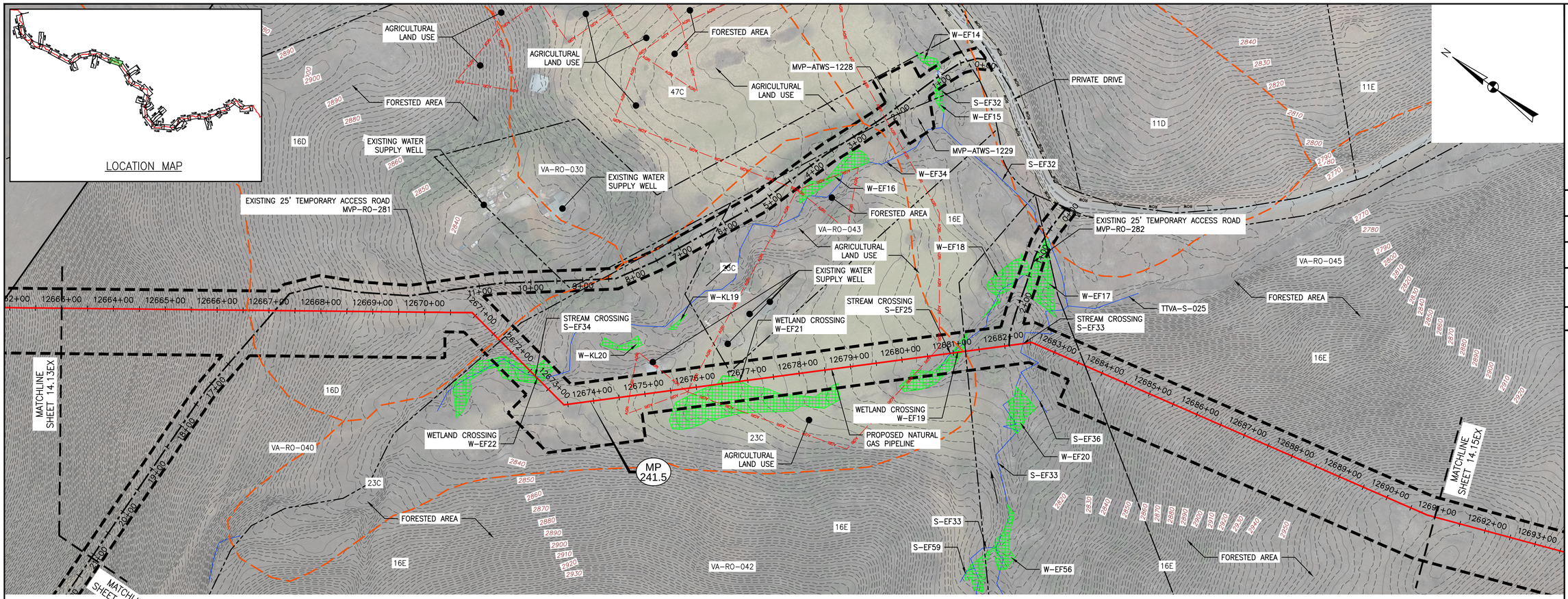
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661 ANDERSEN DRIVE
FOSTER PLAZA 7
PITTSBURGH, PA 15220

EXISTING CONDITIONS

COMMONWEALTH OF VIRGINIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

DRAWN BY:	LJK
CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
REVISION	
SHT. NO.	14.13EX OF 14.77EX

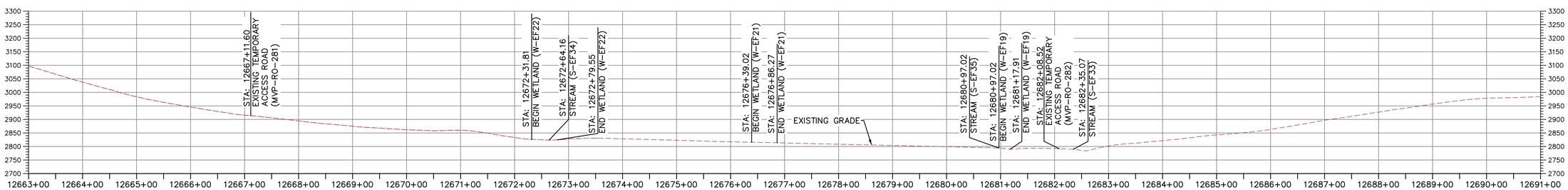
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PLAN

SCALE: 1" = 100'

100 0 100 200



PROFILE

HORIZONTAL SCALE: SCALE: 1" = 100'

100 0 100 200

VERTICAL SCALE: SCALE: 1" = 200'

200 0 200 400

LEGEND

- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED PIPELINE
- EXISTING CULVERT
- STREAM
- US FOREST SERVICE (NATIONAL FOREST) LANDS
- APPALACHIAN NATIONAL SCENIC TRAIL
- AGRICULTURAL LAND USE BOUNDARY
- ACID FORMING MATERIAL
- EXISTING SOIL BOUNDARY
- EXISTING PROPERTY LINE
- EXISTING STATE LINE
- EXISTING COUNTY LINE
- POND
- WETLAND

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Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT – H600 LINE

SPREAD 10 – ROANOKE COUNTY, VIRGINIA

MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHPOINTE BOULEVARD, SUITE 200
CANONSBURG, PA 15311

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661 ANDERSEN DRIVE
FOSTER PLAZA 7
PITTSBURGH, PA 15220

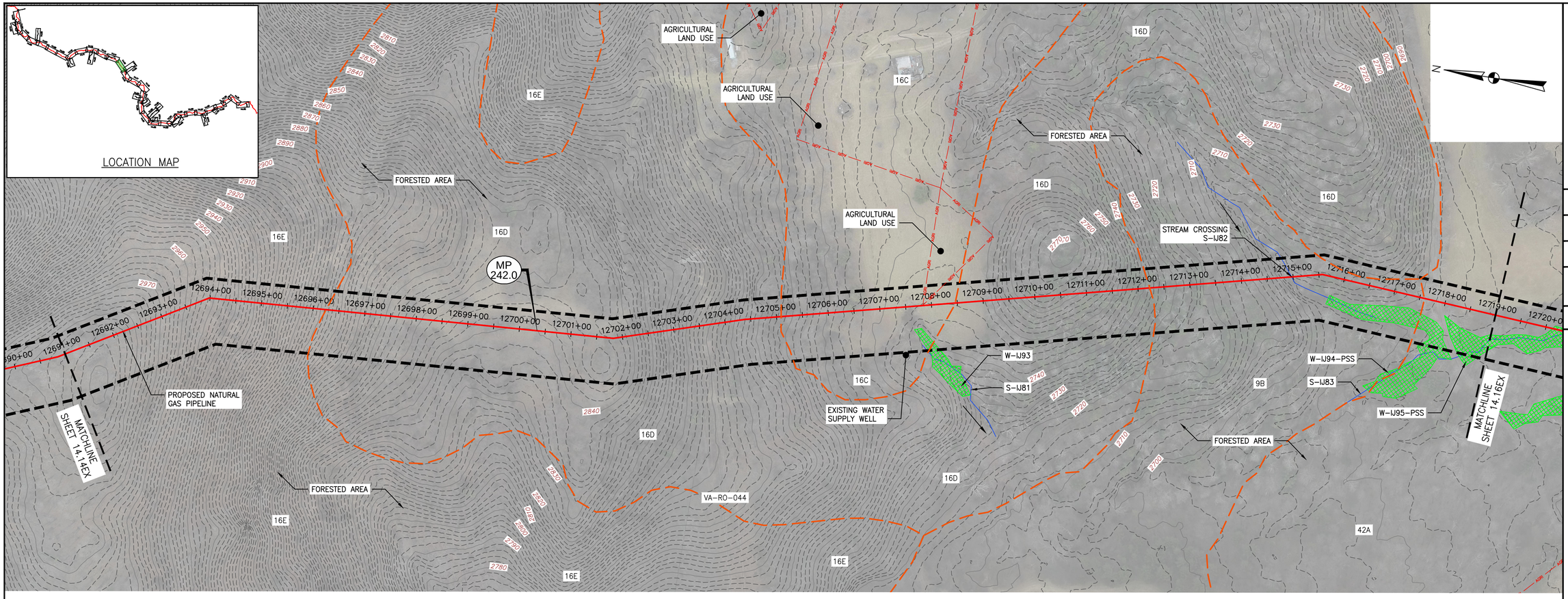
EXISTING CONDITIONS

COMMONWEALTH OF VIRGINIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

DRAWN BY:	LJK
CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
REVISION	

SHT. NO. 14.14EX OF 14.77EX

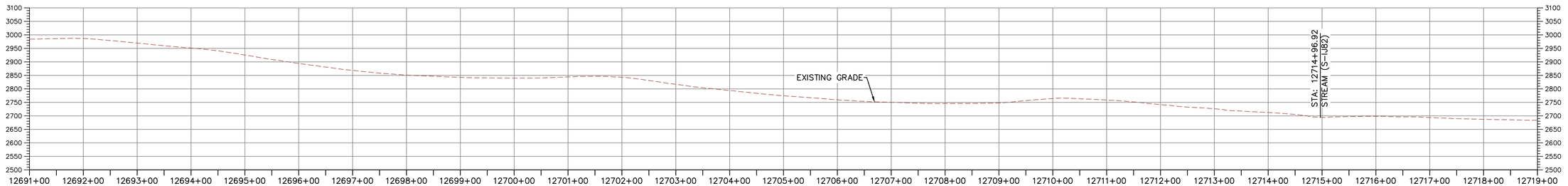
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PLAN

SCALE: 1" = 100'

100 0 100 200



PROFILE

HORIZONTAL SCALE:

SCALE: 1" = 100'

100 0 100 200

VERTICAL SCALE:

SCALE: 1" = 200'

200 0 200 400

LEGEND

- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED PIPELINE
- EXISTING CULVERT
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- APPALACHIAN NATIONAL SCENIC TRAIL
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REVISIONS:

NO.:	DATE:	DWN.:	CHKD.:	APPD.:	DESCRIPTION:

Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE

SPREAD 10 - ROANOKE COUNTY, VIRGINIA

MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHPOINTE BOULEVARD, SUITE 200
CANONSBURG, PA 15311

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FOSTER PLAZA 7
PITTSBURGH, PA 15220

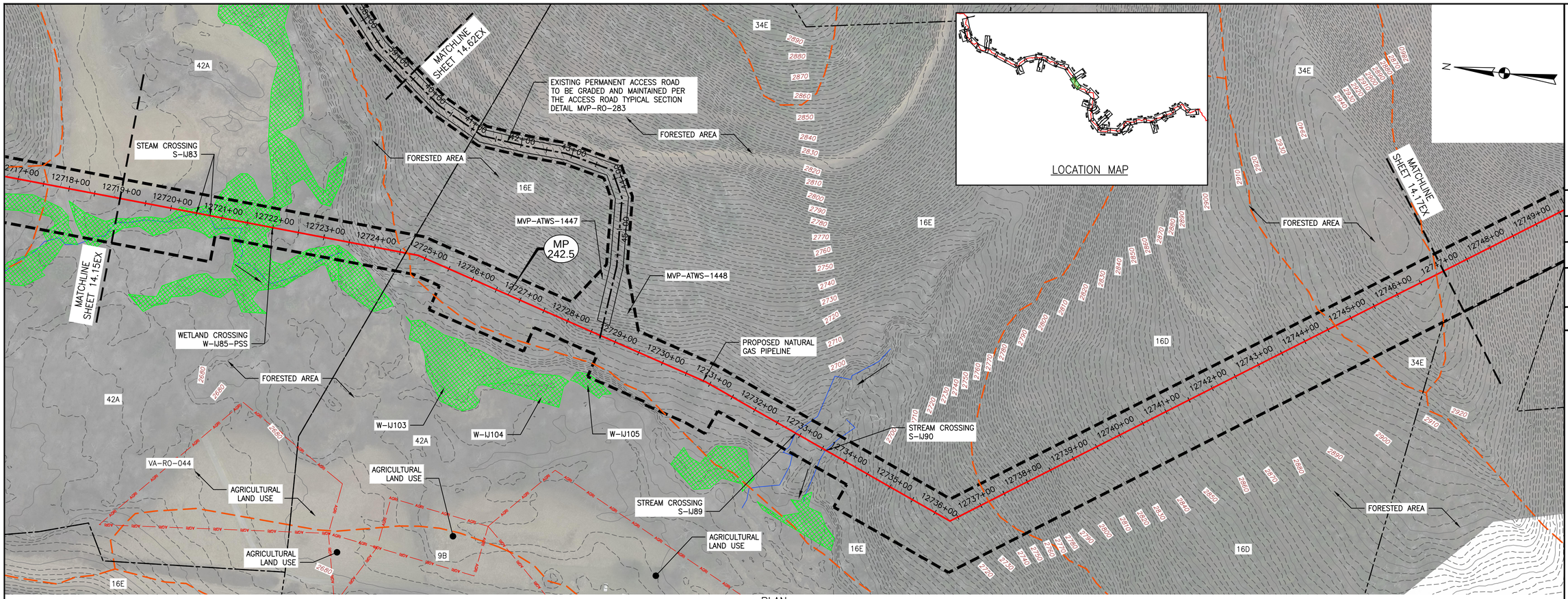
EXISTING CONDITIONS

COMMONWEALTH OF PENNSYLVANIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

DRAWN BY:	LJK
CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN

REVISION

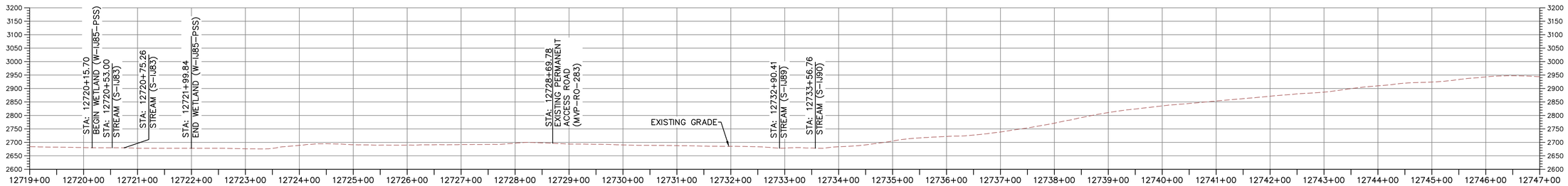
SHT. NO. 14.15EX OF 14.77EX



PLAN

SCALE: 1" = 100'

100 0 100 200



PROFILE

HORIZONTAL SCALE:

SCALE: 1" = 100'

100 0 100 200

VERTICAL SCALE:

SCALE: 1" = 200'

200 0 200 400

LEGEND

- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED PIPELINE
- EXISTING CULVERT
- STREAM
- US FOREST SERVICE (NATIONAL FOREST) LANDS
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Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE

SPREAD 10 - ROANOKE COUNTY, VIRGINIA

MOUNTAIN VALLEY PIPELINE, LLC

555 SOUTHPOINTE BOULEVARD, SUITE 200

CANONSBURG, PA 15311

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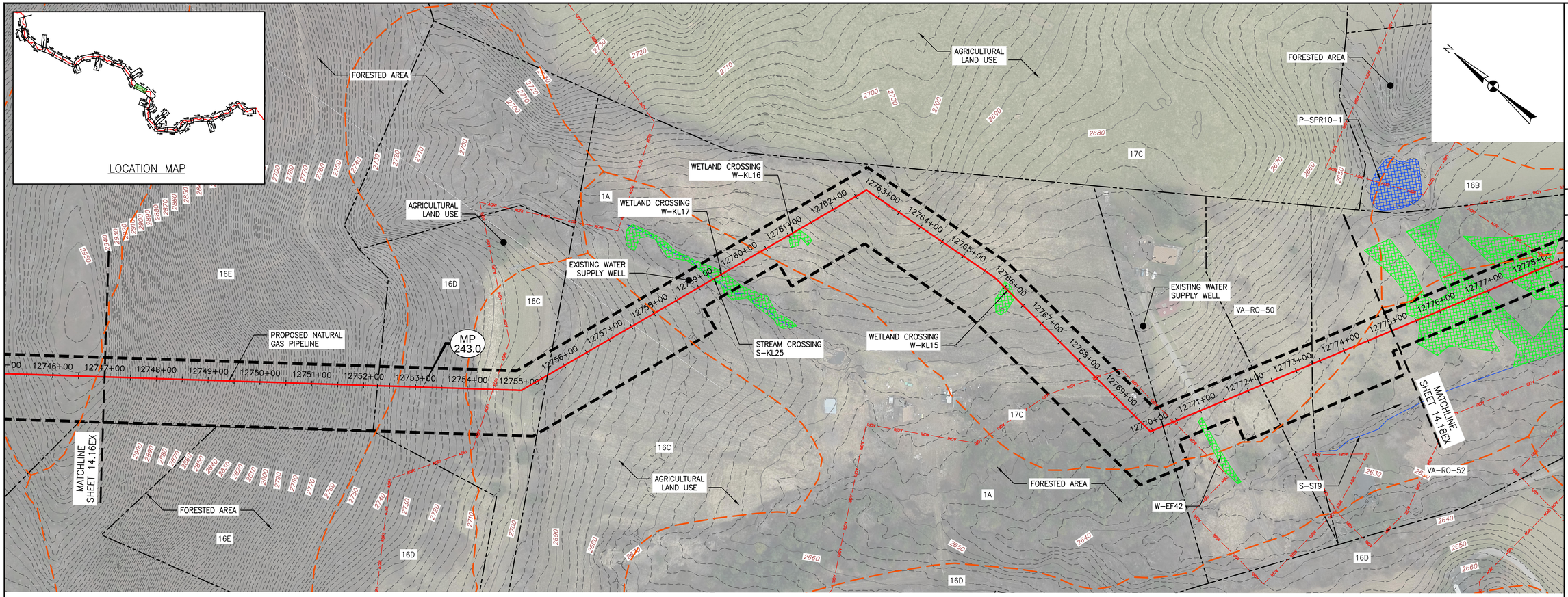
661 ANDERSEN DRIVE
FOSTER PLAZA 7
PITTSBURGH, PA 15220

EXISTING CONDITIONS

COMMONWEALTH OF VIRGINIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

DRAWN BY:	LJK
CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
REVISION	
SHT. NO.	14.16EX OF 14.77EX

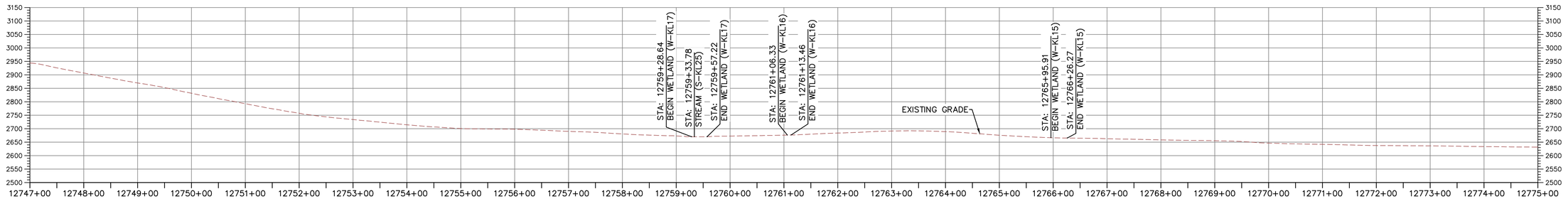
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PLAN

SCALE: 1" = 100'

100 0 100 200



PROFILE

HORIZONTAL SCALE:

SCALE: 1" = 100'

100 0 100 200

VERTICAL SCALE:

SCALE: 1" = 200'

200 0 200 400

LEGEND

- PROPOSED LIMIT OF DISTURBANCE
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- PROPOSED PIPELINE
- EXISTING CULVERT
- STREAM
- US FOREST SERVICE (NATIONAL FOREST) LANDS
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Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT – H600 LINE

SPREAD 10 – ROANOKE COUNTY, VIRGINIA

MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHPOINTE BOULEVARD, SUITE 200
CANONSBURG, PA 15311

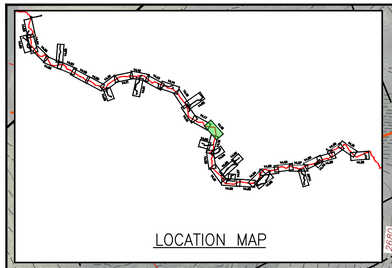
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661 ANDERSEN DRIVE
FOSTER PLAZA 7
PITTSBURGH, PA 15220

EXISTING CONDITIONS

COMMONWEALTH OF VIRGINIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

DRAWN BY:	LJK
CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
REVISION	
SHT. NO.	14.17EX OF 14.77EX

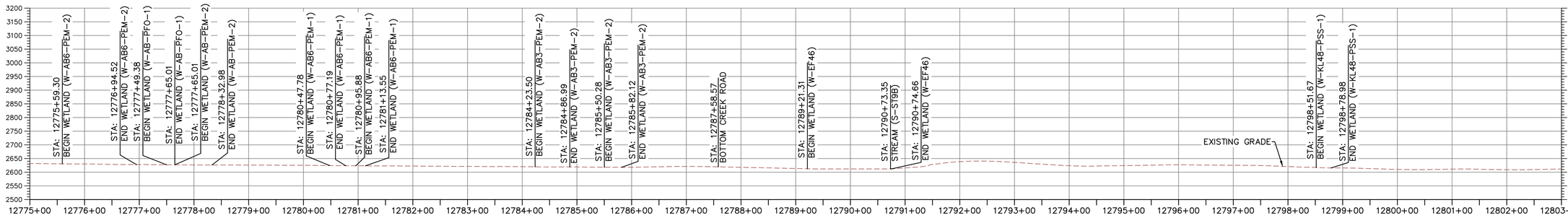
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PLAN

SCALE: 1" = 100'

100 0 100 200



PROFILE

HORIZONTAL SCALE: SCALE: 1" = 100'

100 0 100 200

VERTICAL SCALE: SCALE: 1" = 200'

200 0 200 400

LEGEND

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REVISIONS:

NO.:	DATE:	DWN.:	CHKD.:	APPD.:	DESCRIPTION:

Mountain Valley PIPELINE

EXISTING CONDITIONS

MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE

SPREAD 10 - ROANOKE COUNTY, VIRGINIA

MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHPOINTE BOULEVARD, SUITE 200
CANONSBURG, PA 15311

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EXISTING CONDITIONS

COMMONWEALTH OF VIRGINIA
DAVID J. WALLNER
Lic. No. 0402057593
PROFESSIONAL ENGINEER

DRAWN BY:	LJK
CHECKED BY:	JRK
APPROVED BY:	RE
DATE:	4/05/2016
SCALE:	AS SHOWN
REVISION	
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