

Legend

- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines Mapbook Index Sheet

1:3,500,000



Document Information:

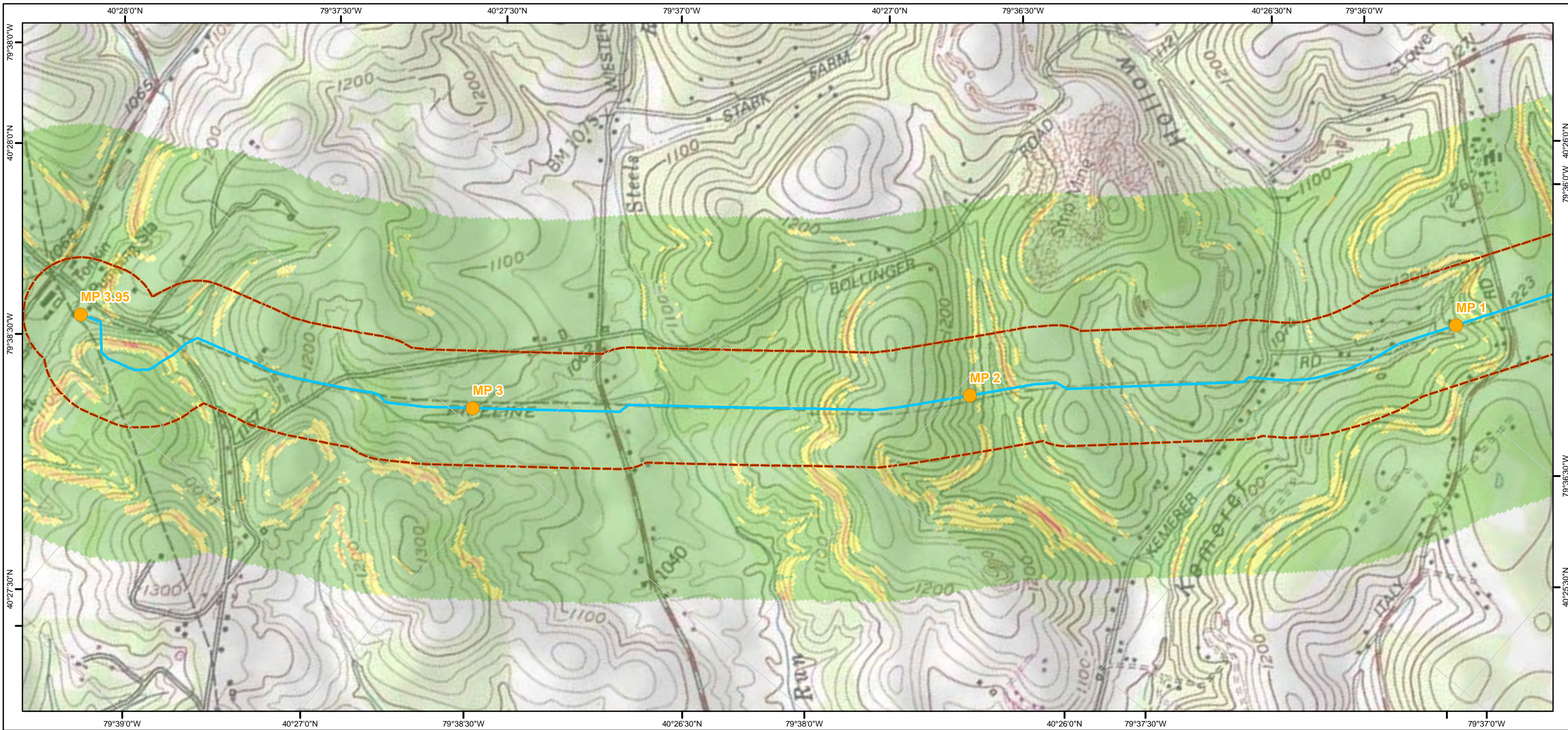
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
0	08-01-2016	BP	ZL
1	02-10-2017	CR	ZL
2	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion/GAI
- 2) Projection: UTM 17N feet, NAD 83

Dominion
Geosyntec
consultants
TESSERATIONS



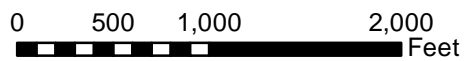
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 1 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

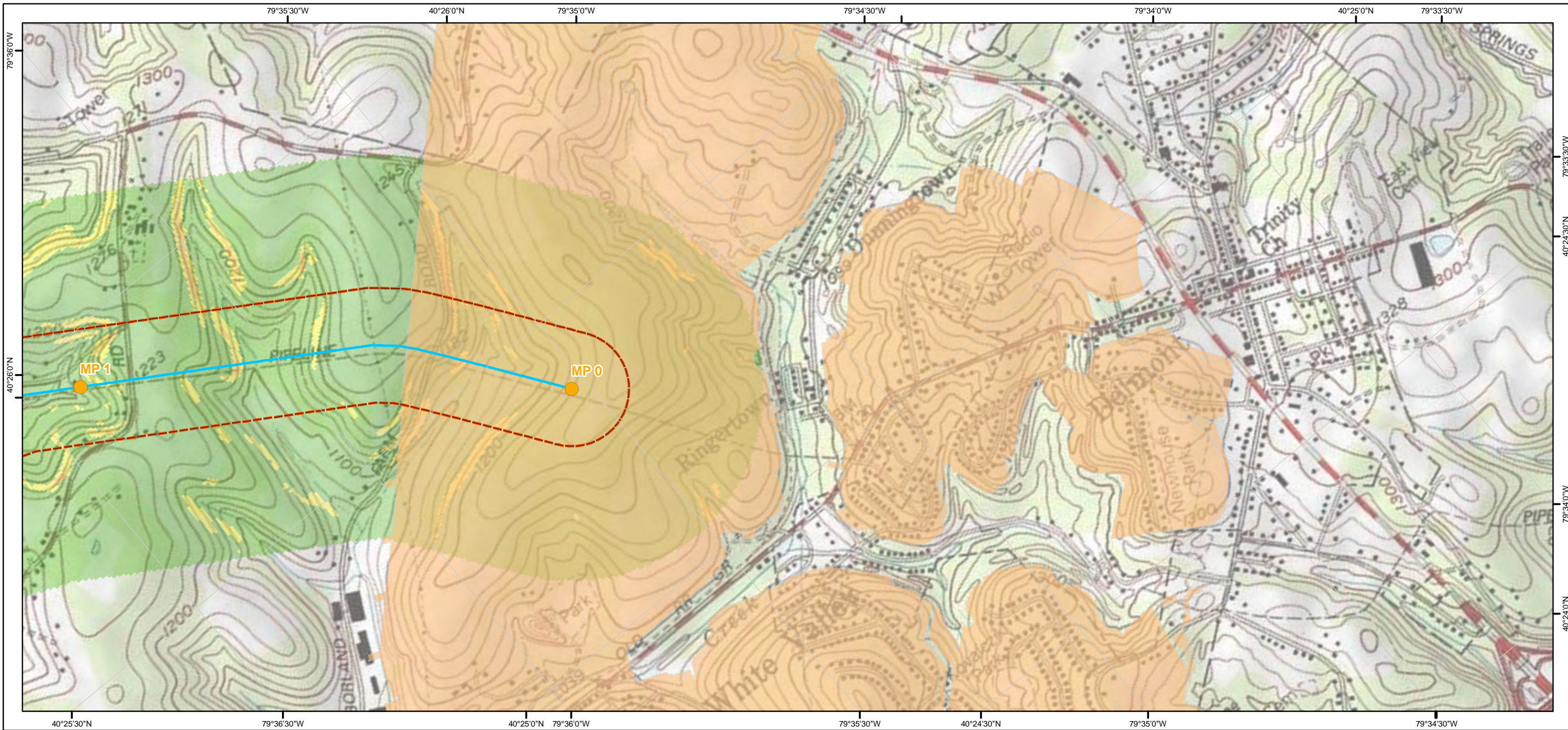


Dominion

Geosyntec

consultants

TESSE **ATIONS**

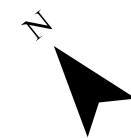
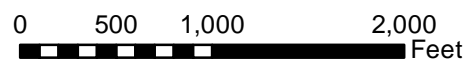


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 2 of 216

1:12,000



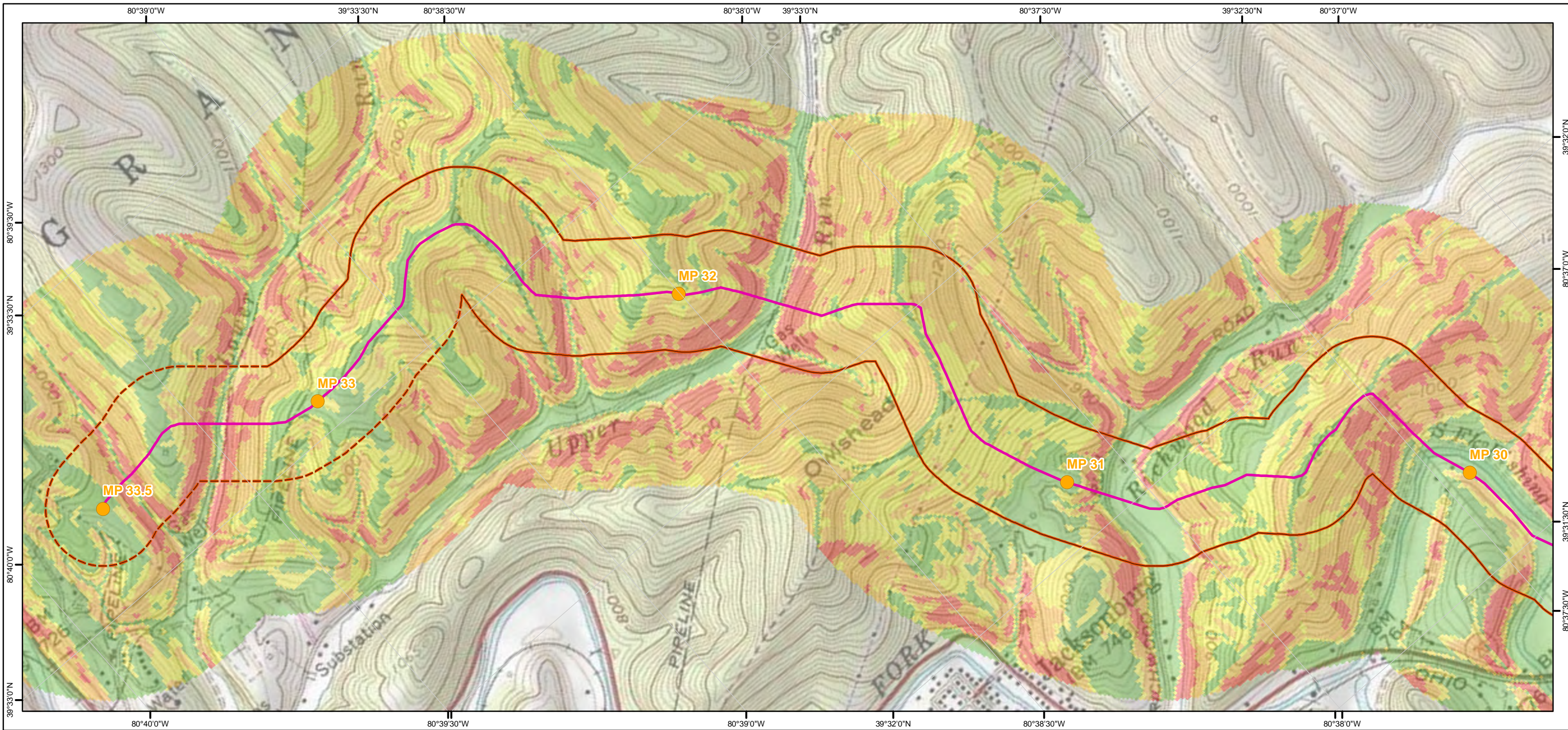
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



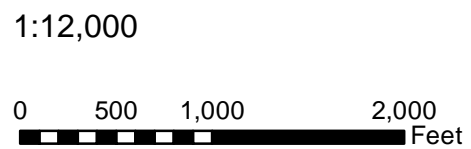
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 3 of 216



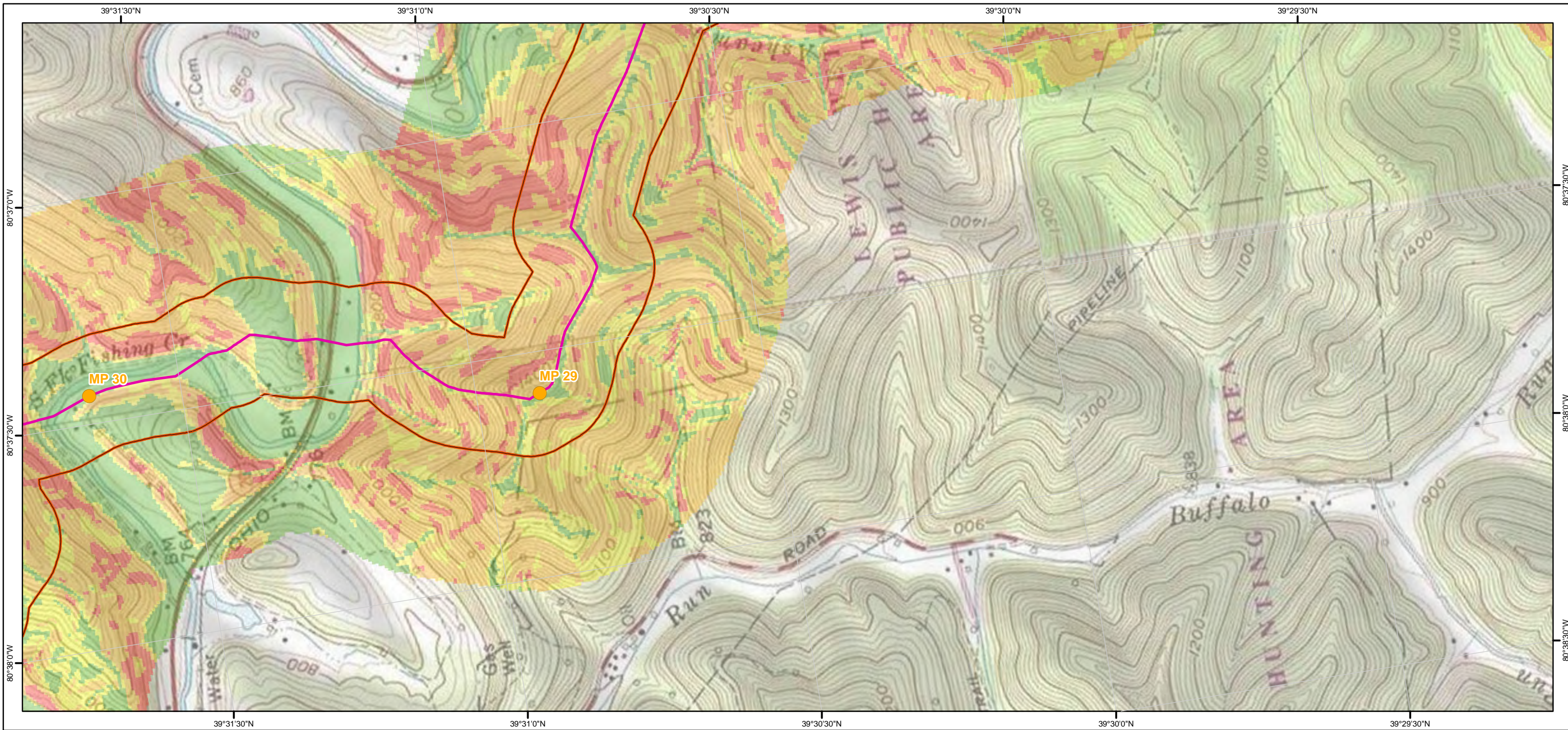
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

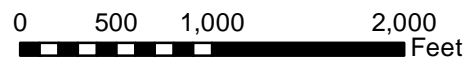
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 4 of 216

1:12,000



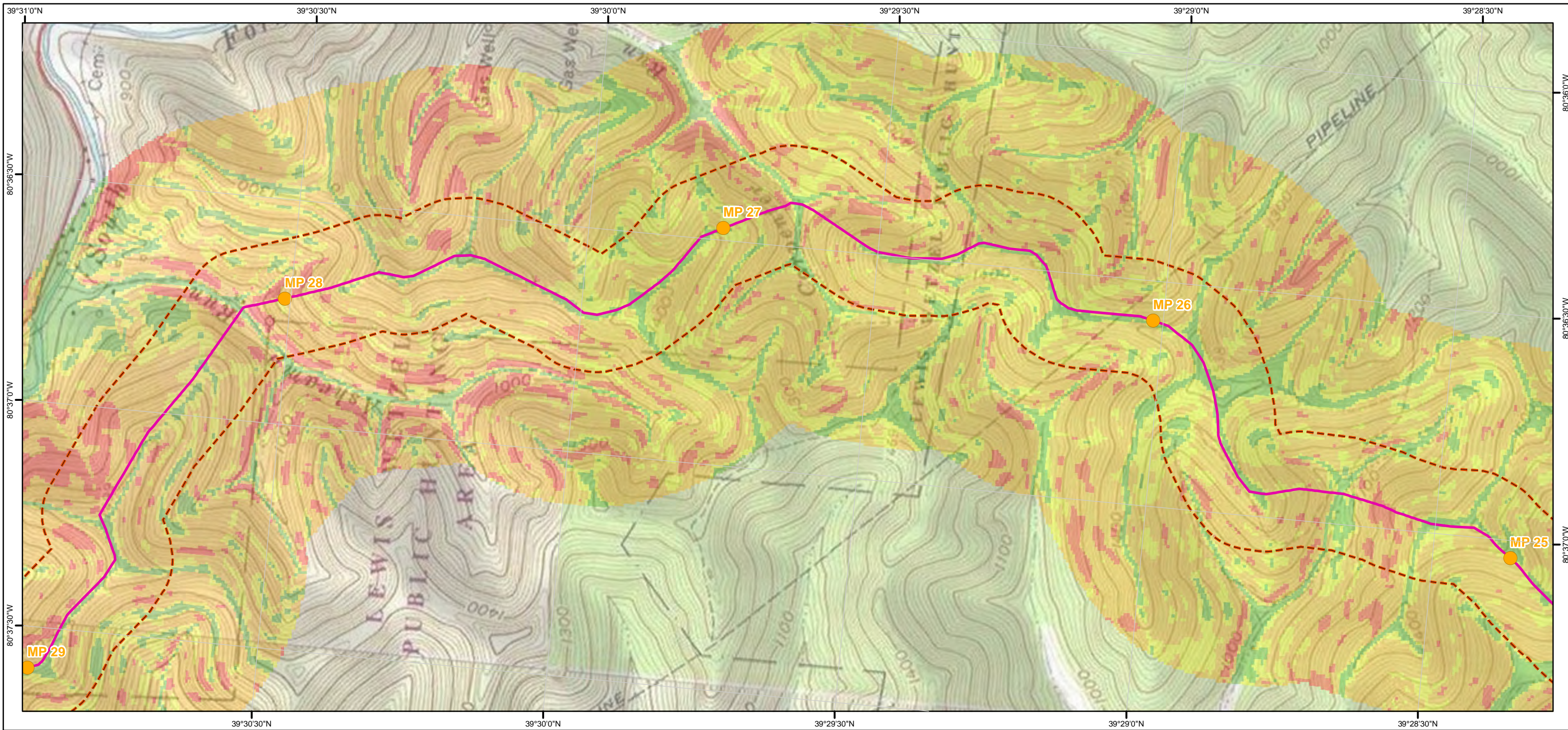
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 5 of 216

1:12,000

0 500 1,000 2,000

Feet

N

Document Information:

Document No: DOM_EC_SUB_MA_SER001

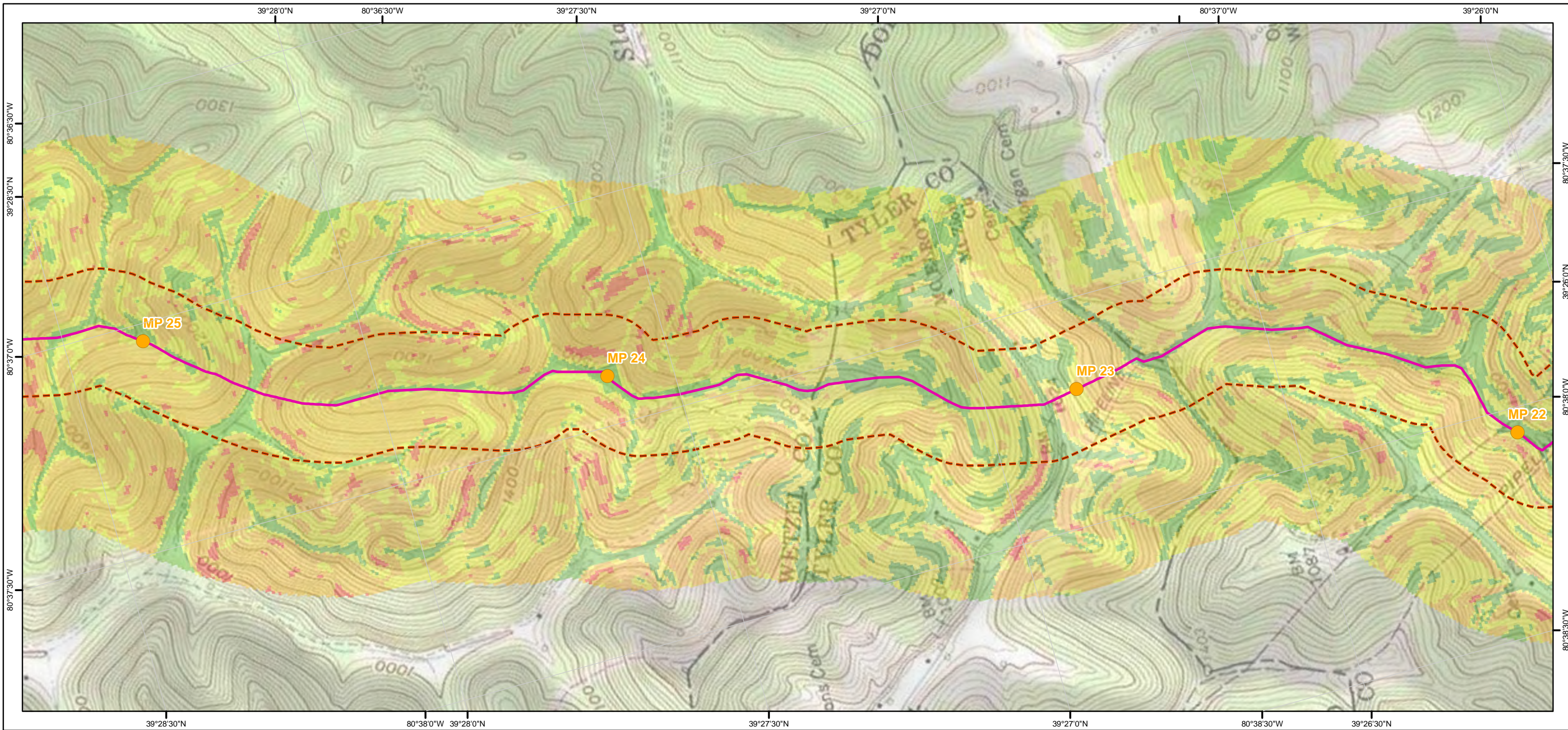
Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSEMA



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project

Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 6 of 216

1:12,000

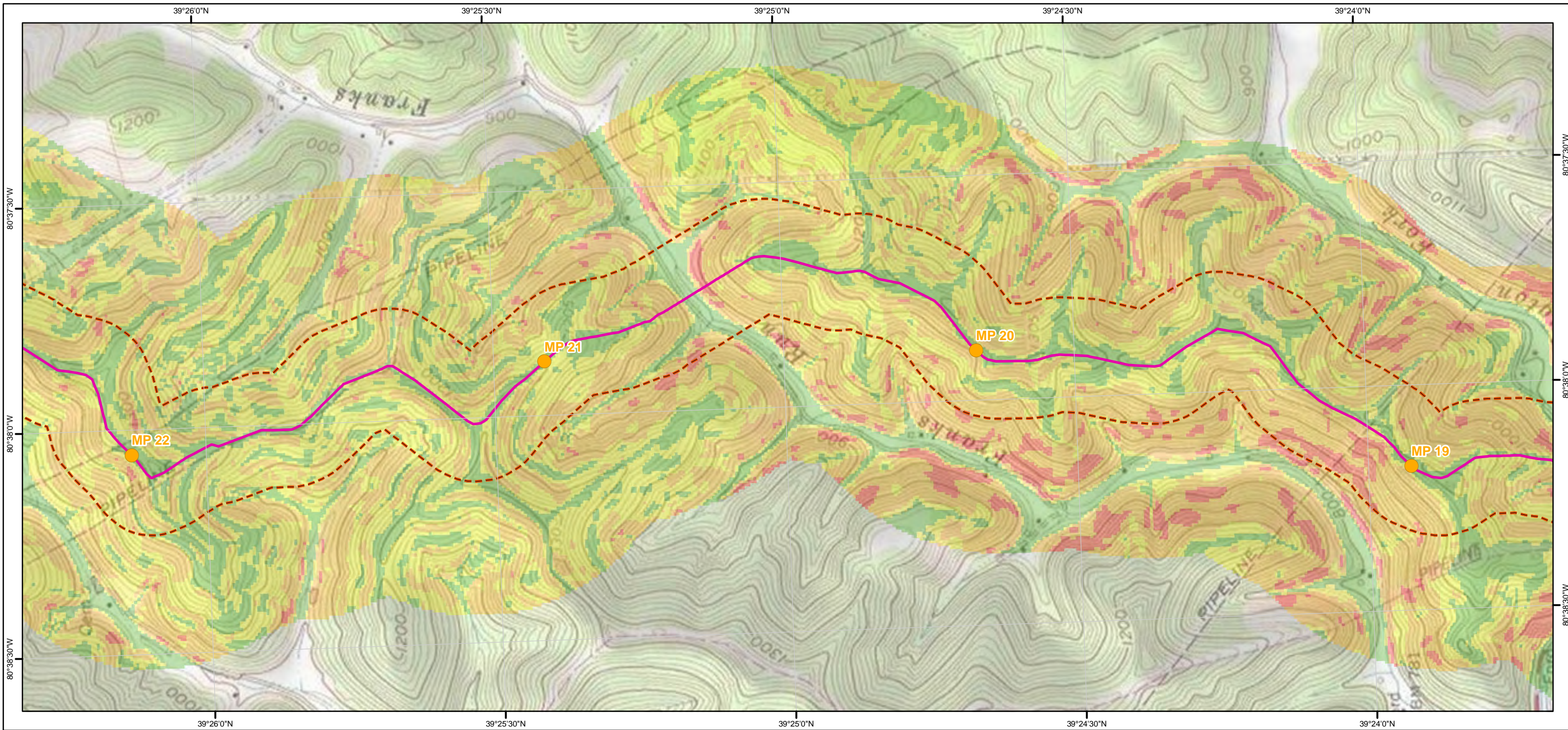
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

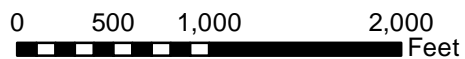
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 7 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

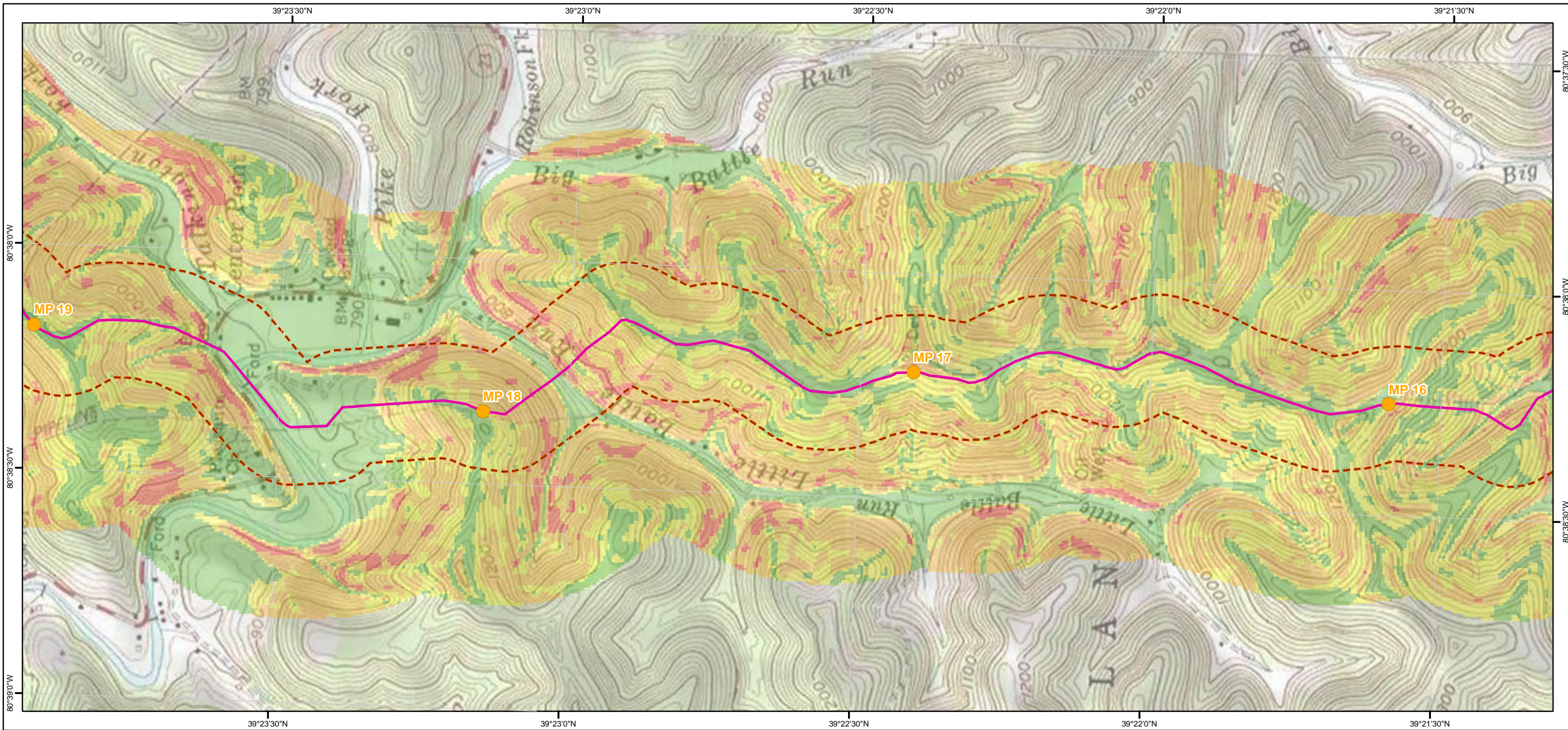


Dominion

Geosyntec

consultants

TESSE **TATIONS**



Legend

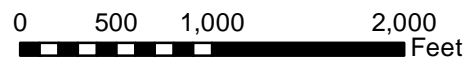
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 8 of 216

1:12,000



Document Information:

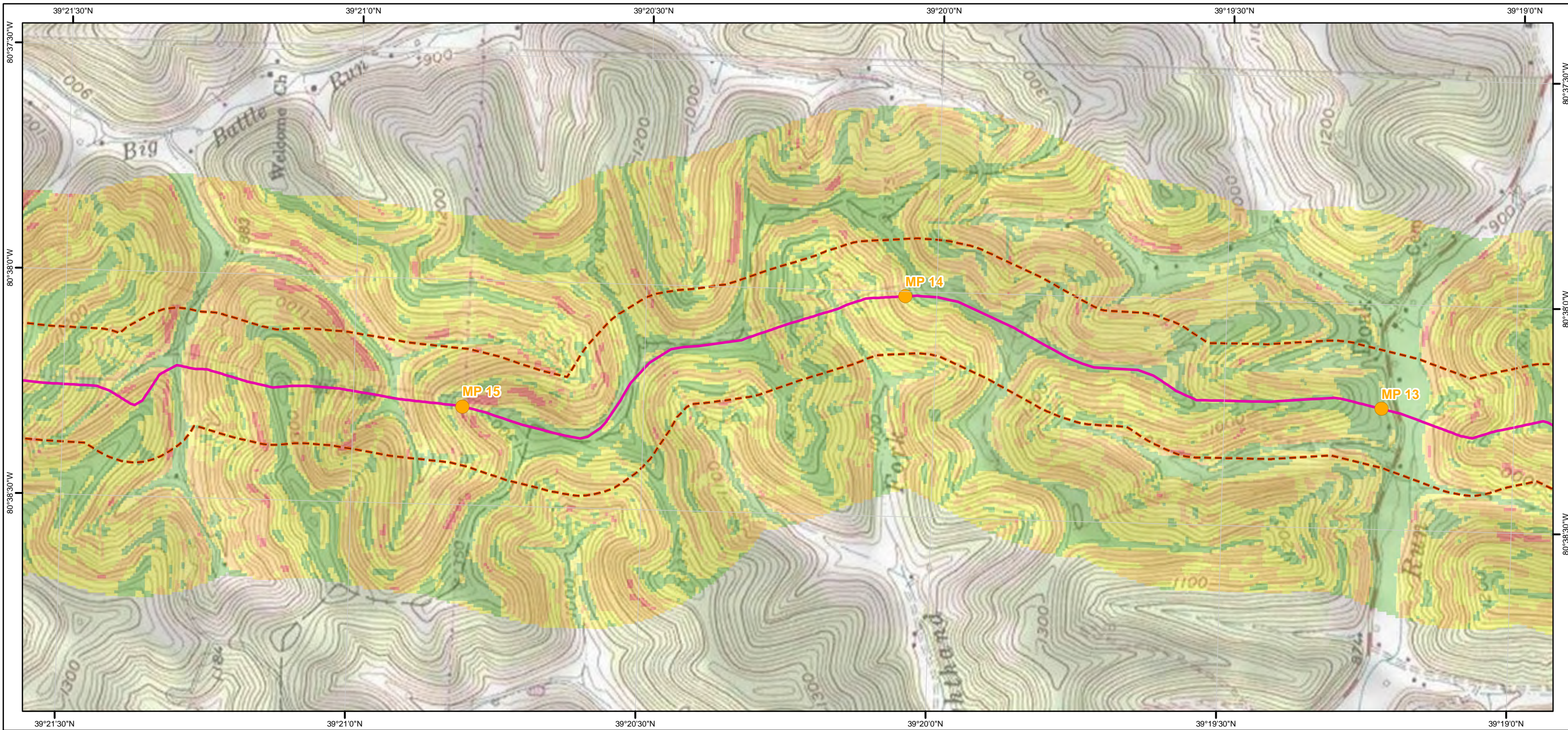
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSERATIONS

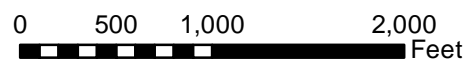


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 9 of 216

1:12,000



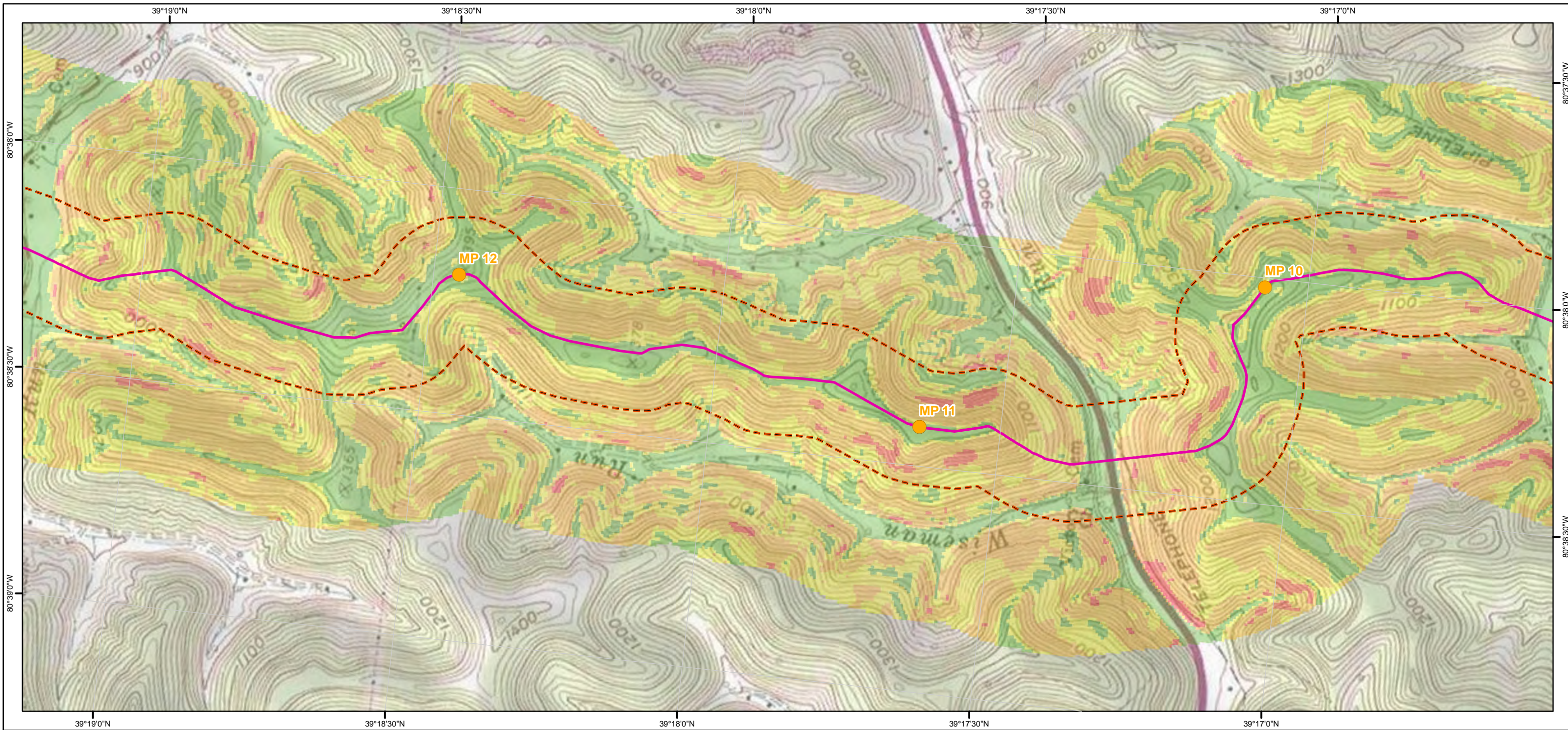
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

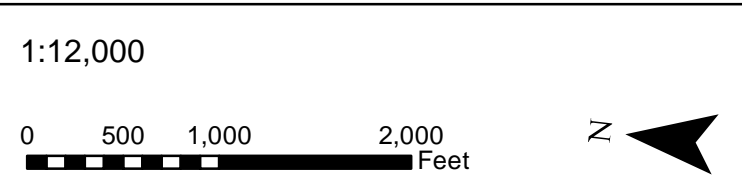
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 10 of 216



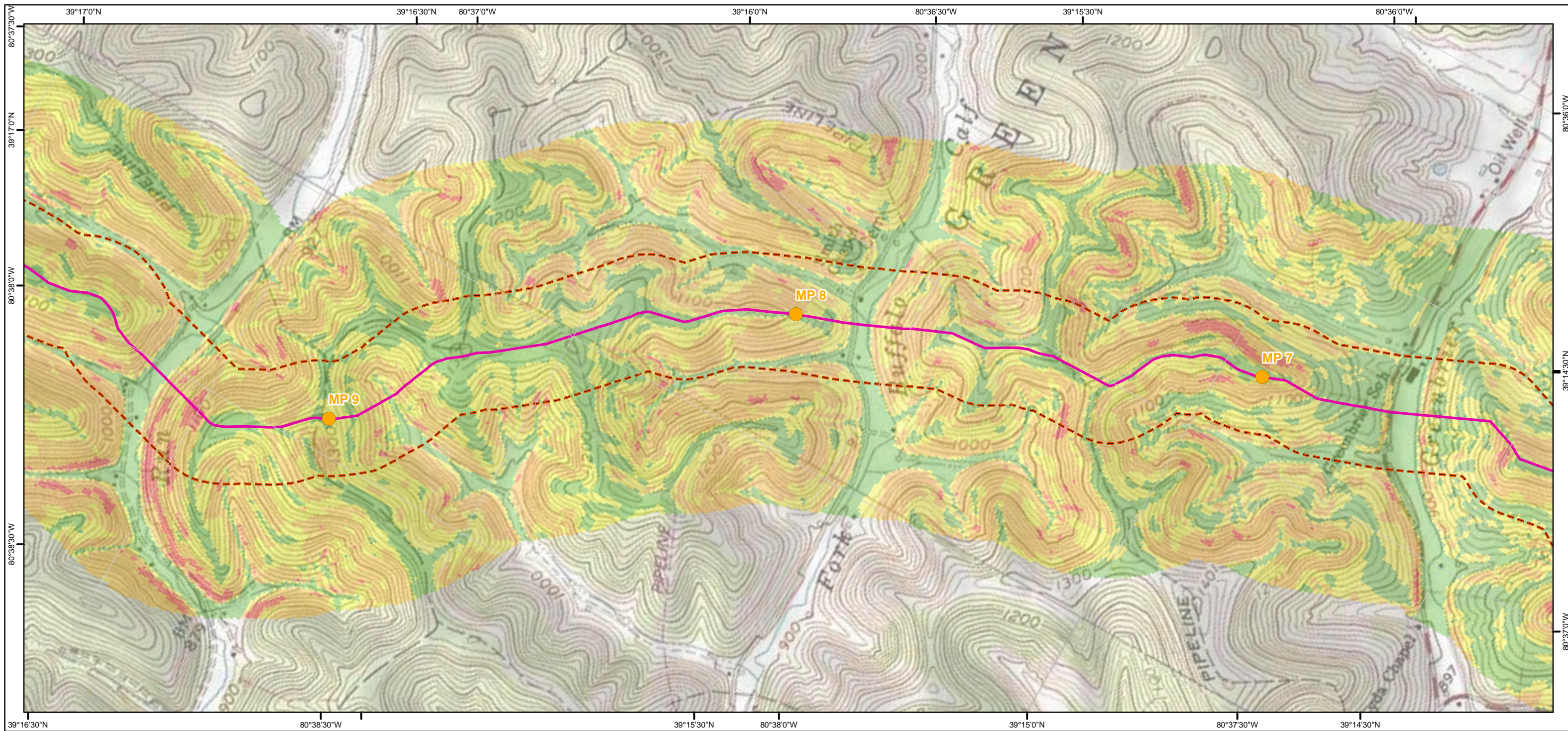
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

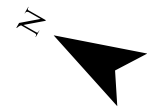
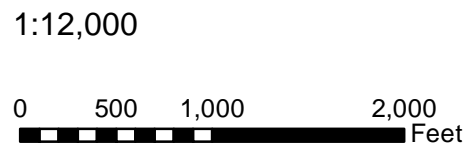
Dominion
Geosyntec
consultants
TESSE ENGINEERING



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 11 of 216



Document Information:

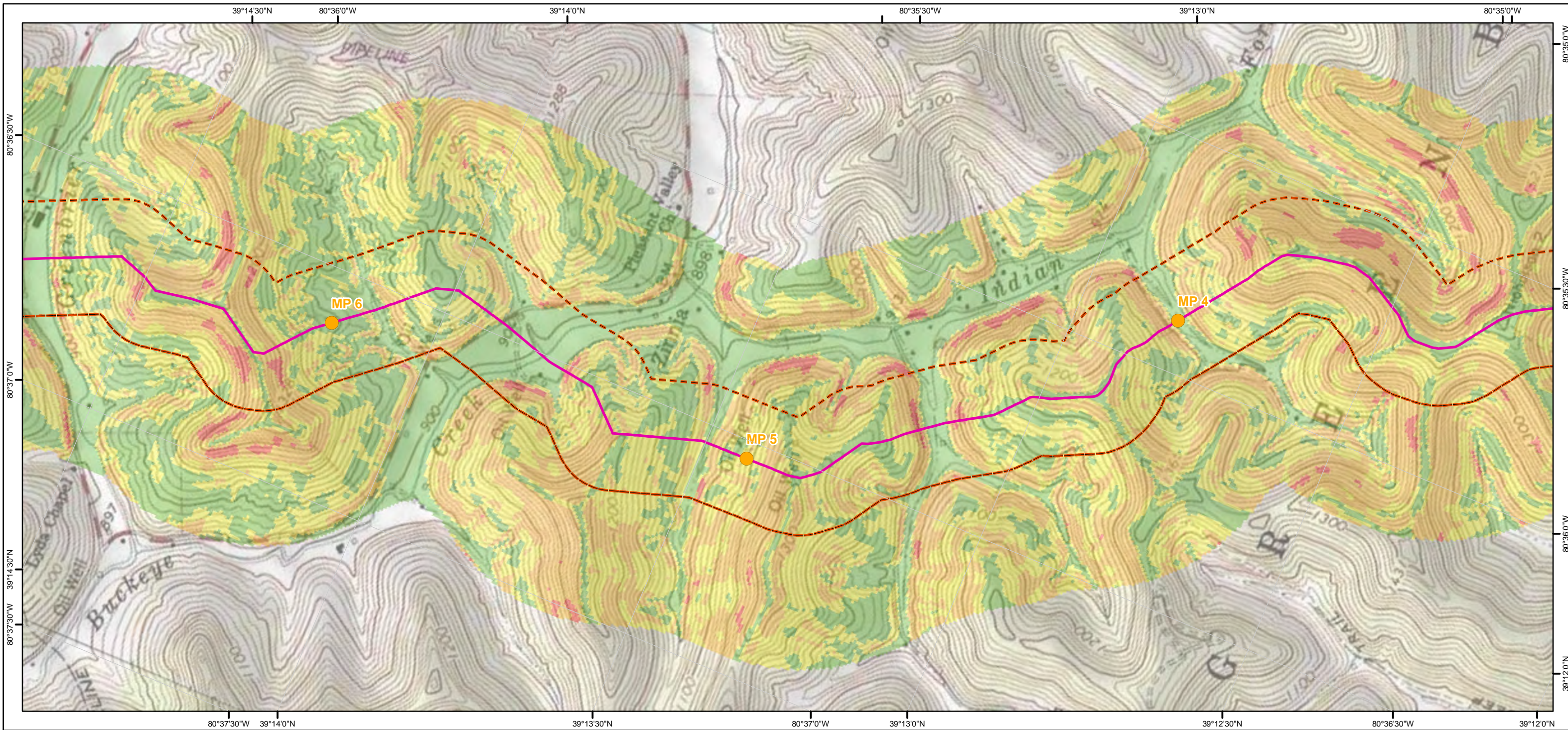
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSERATIONS



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 12 of 216



Document Information:

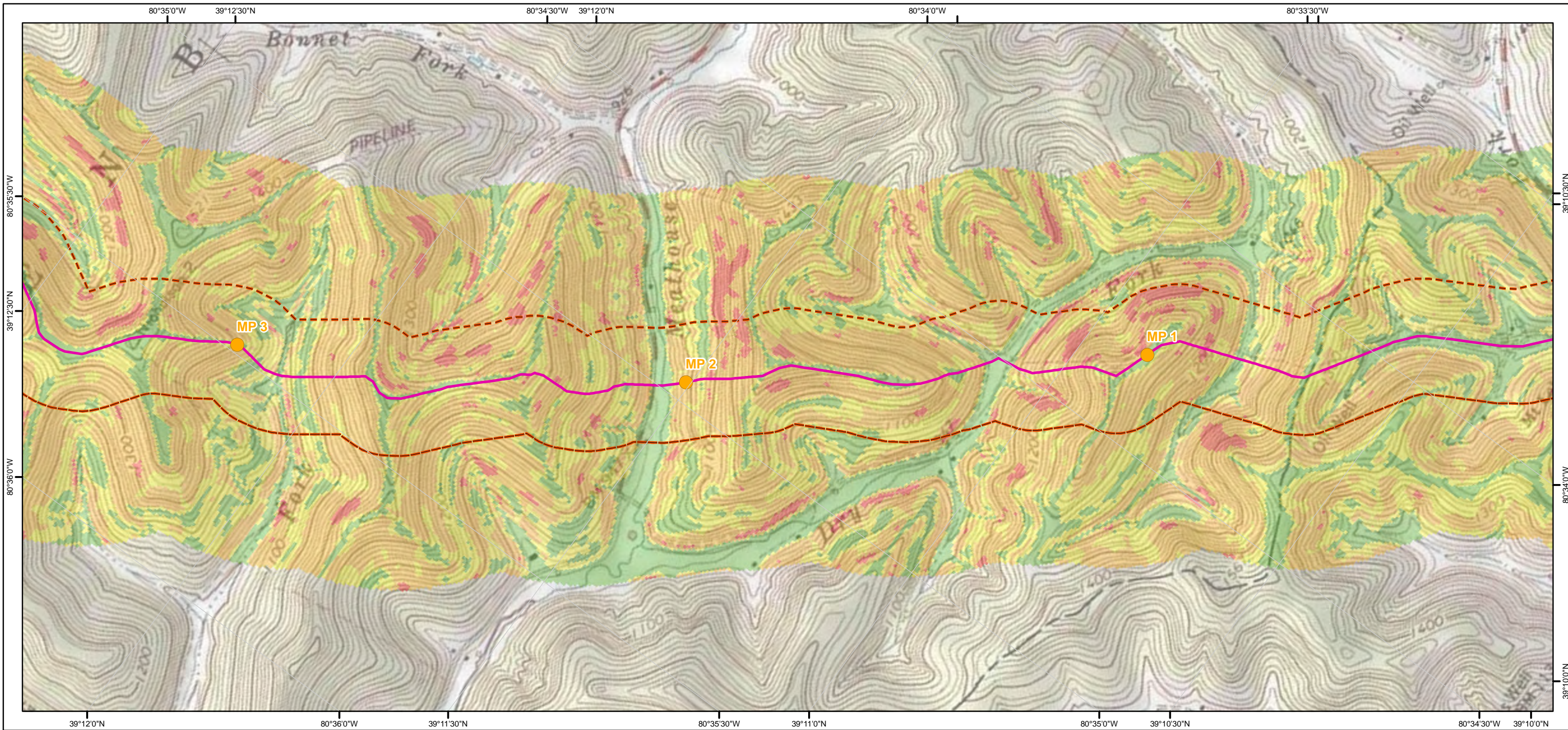
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSE **CONSULTANTS**



Legend

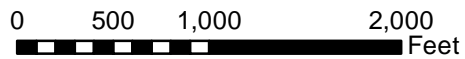
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 13 of 216

1:12,000



Document Information:

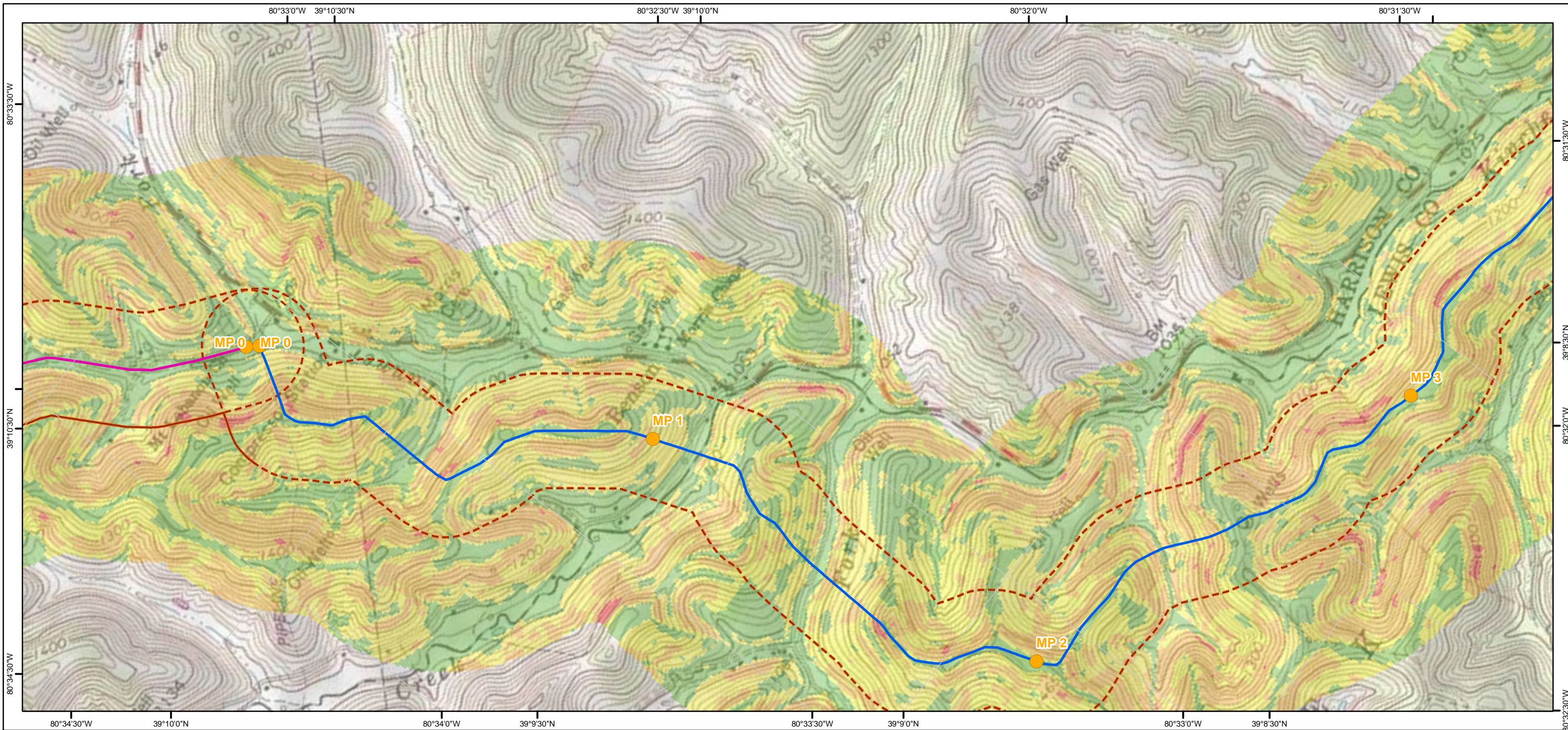
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





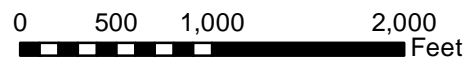
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 14 of 216

1:12,000



Document Information:

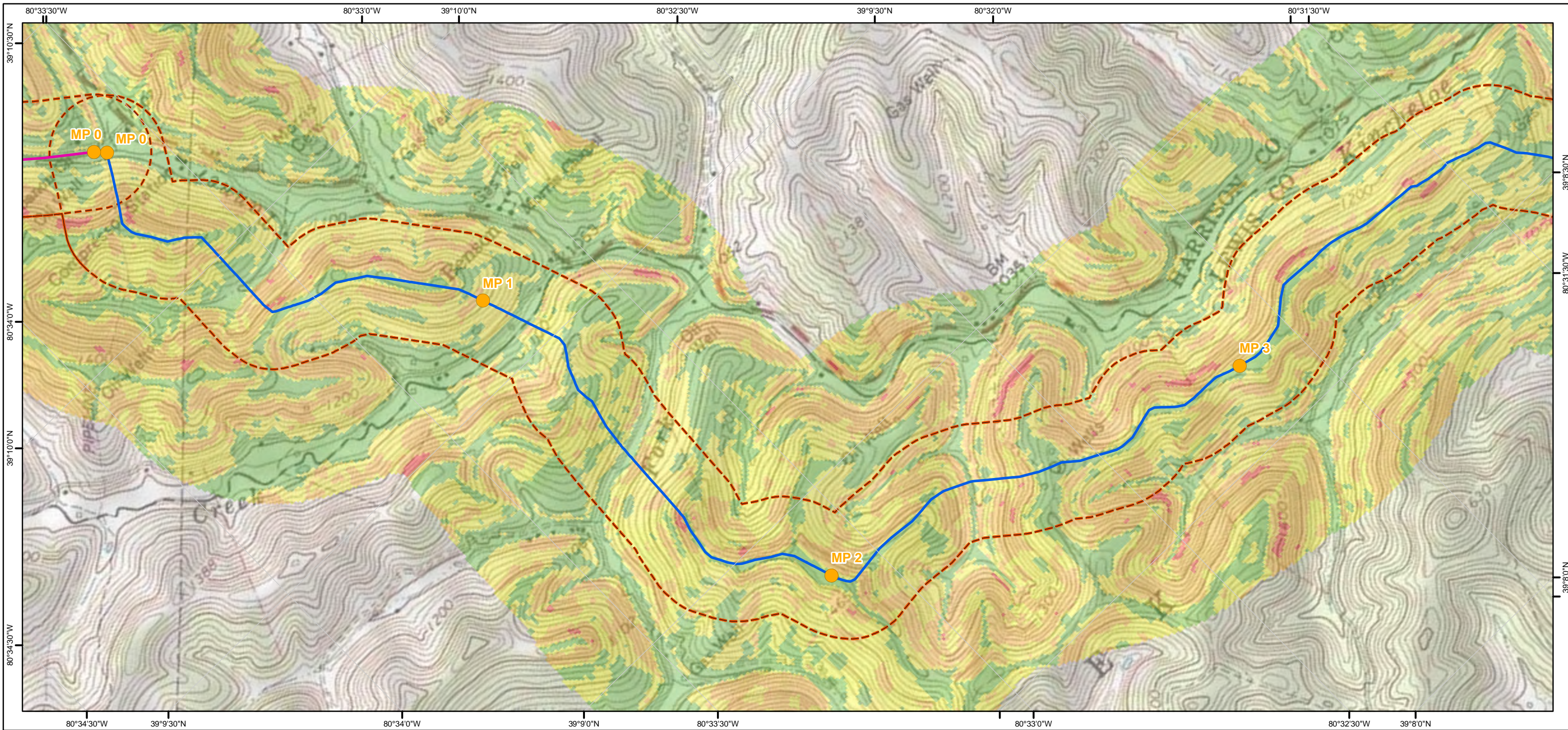
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





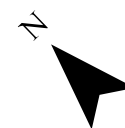
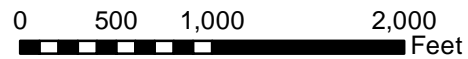
Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
-
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 15 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

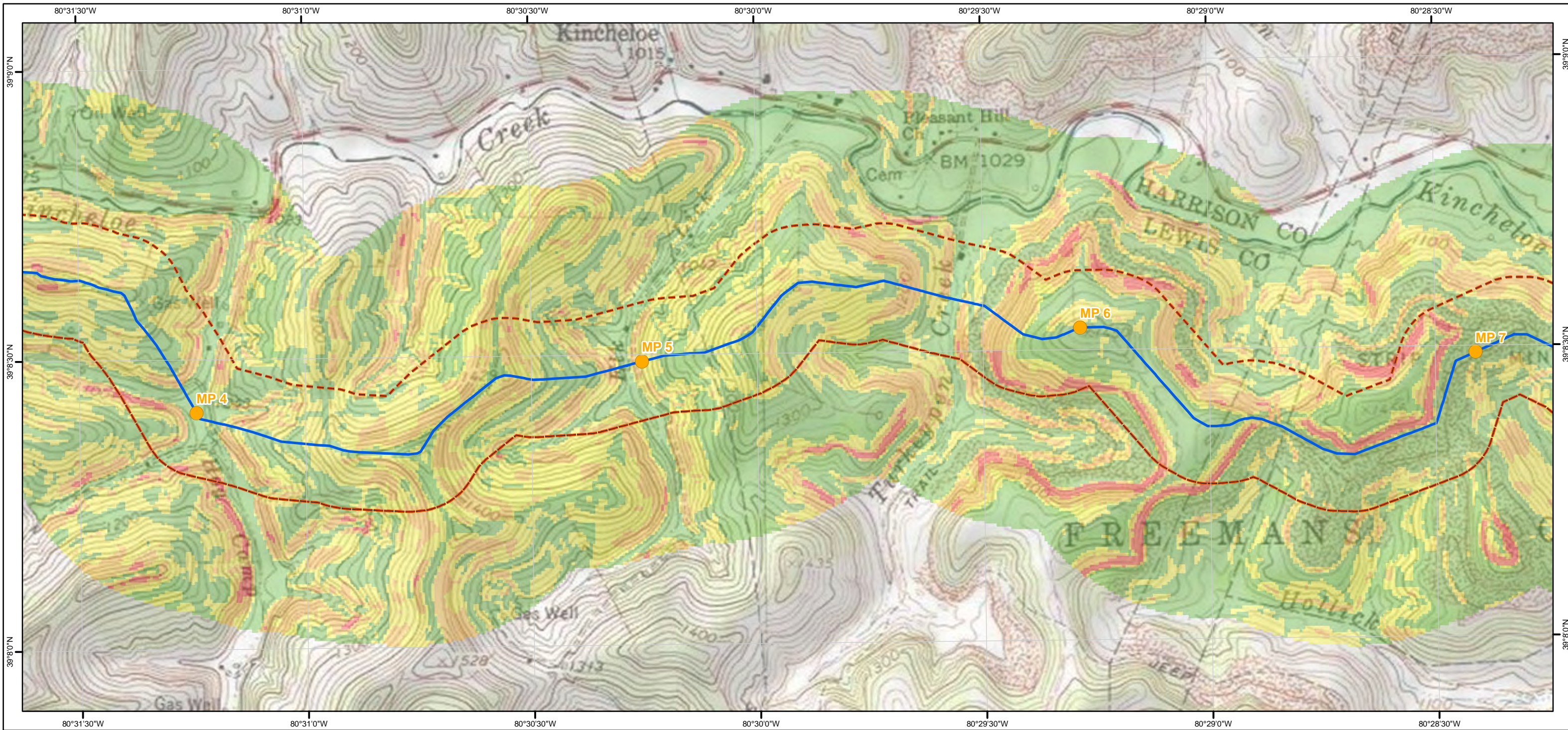


Dominion[®]

Geosyntec

consultants

TESSE



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 16 of 216

1:12,000

N

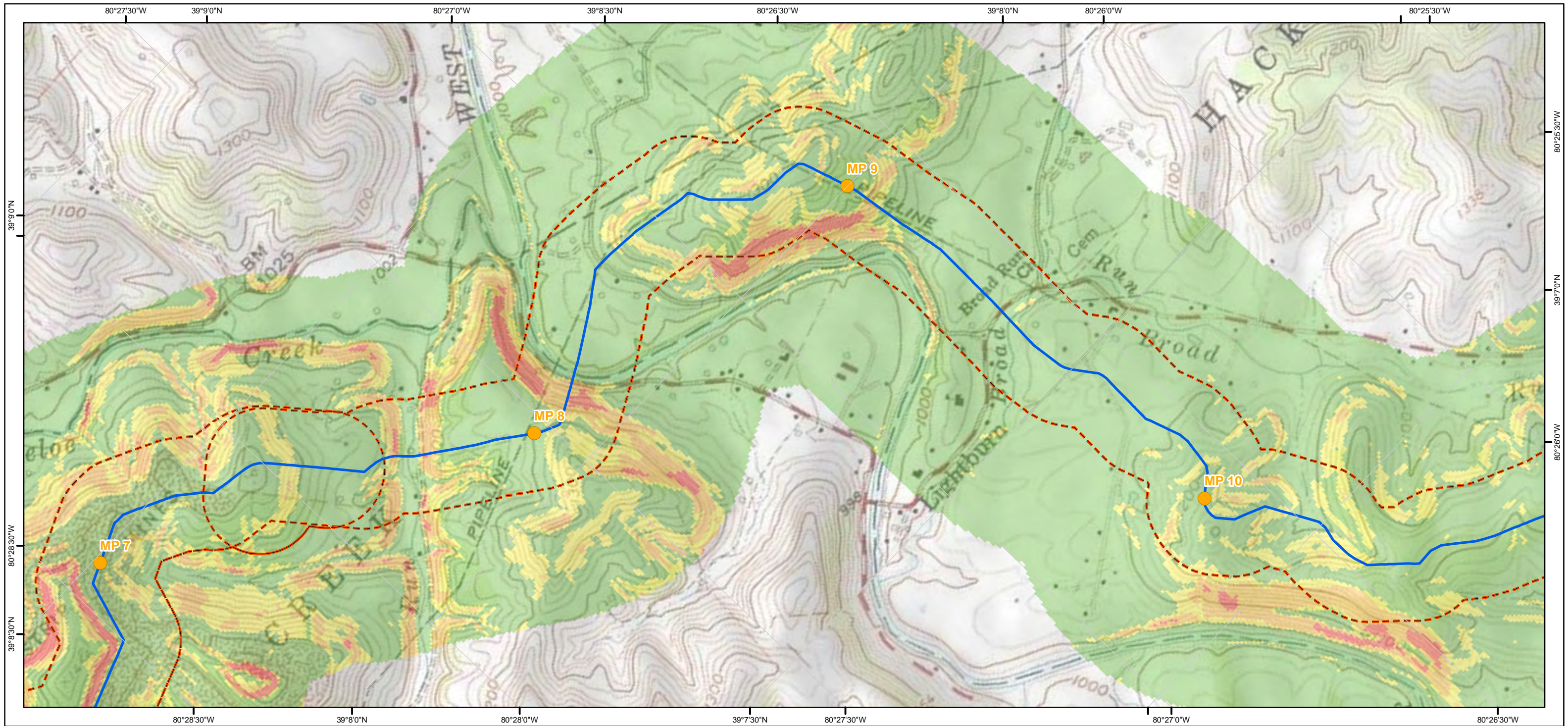
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

TESSE
CORPORATION



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 17 of 216



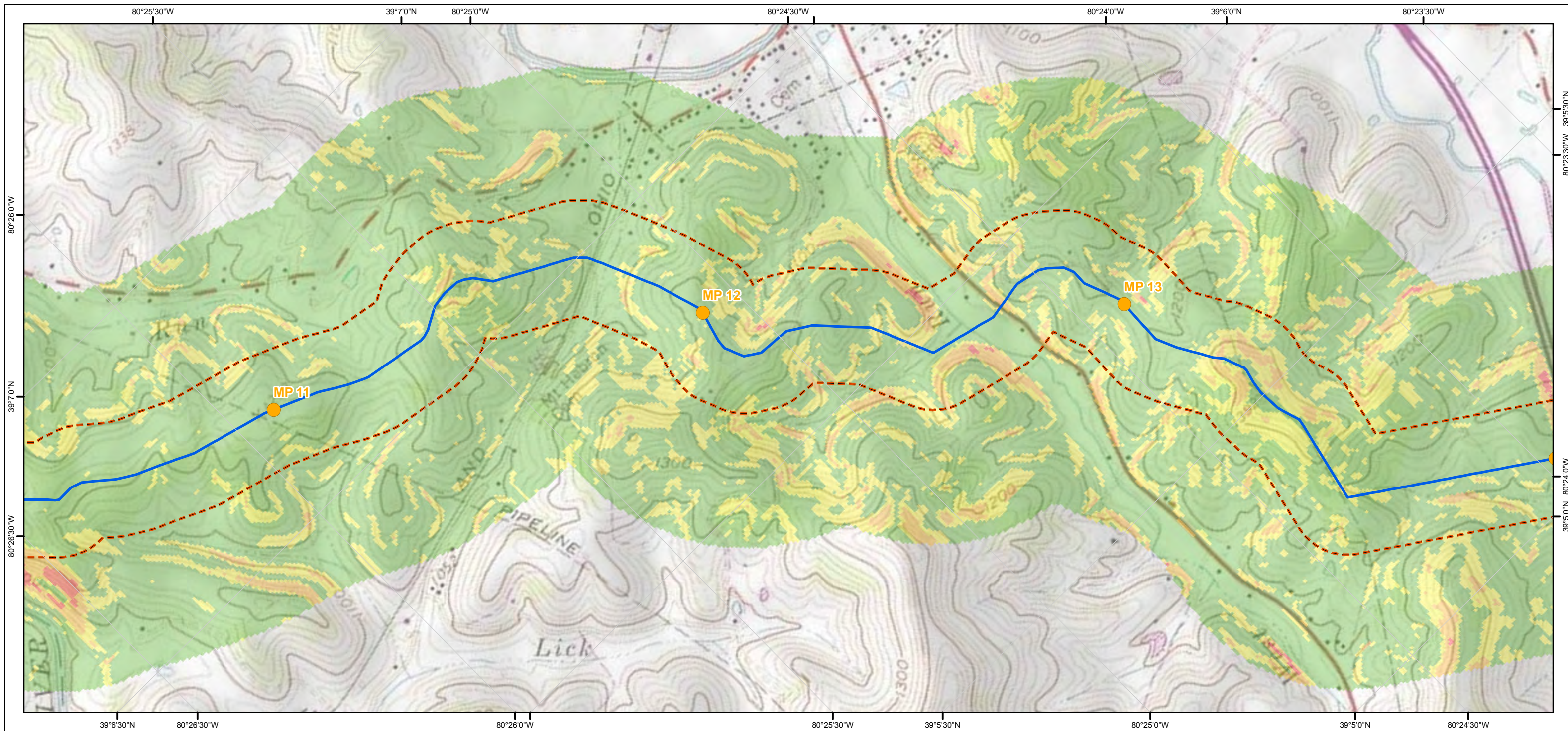
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 18 of 216



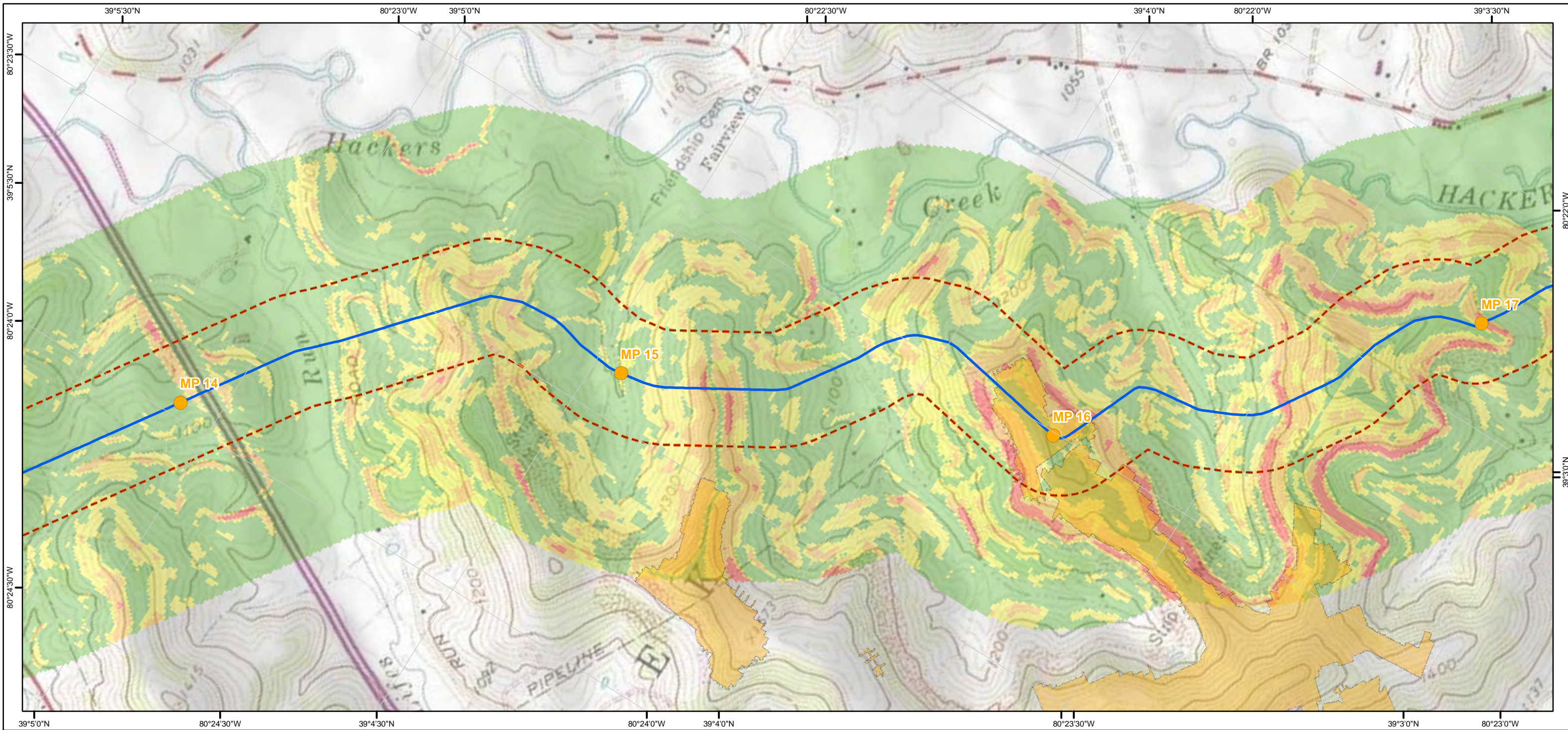
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING

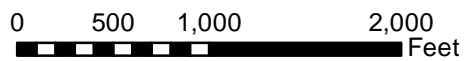


Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
-
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 19 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

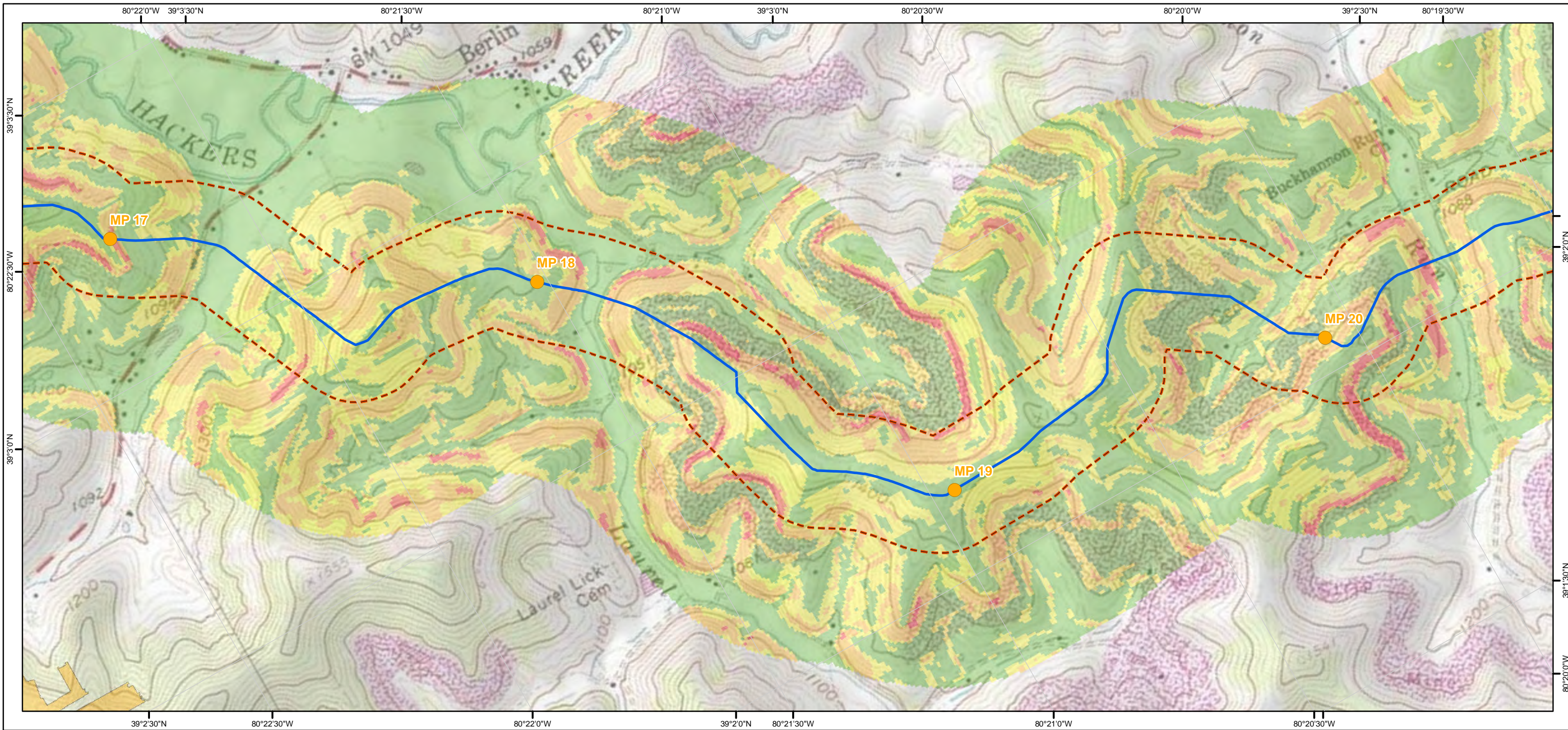
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Dominion[®]
Geosyntec

consultants

TESSE[®]ATIONS



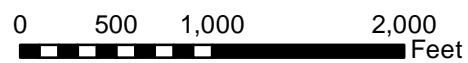
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 20 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

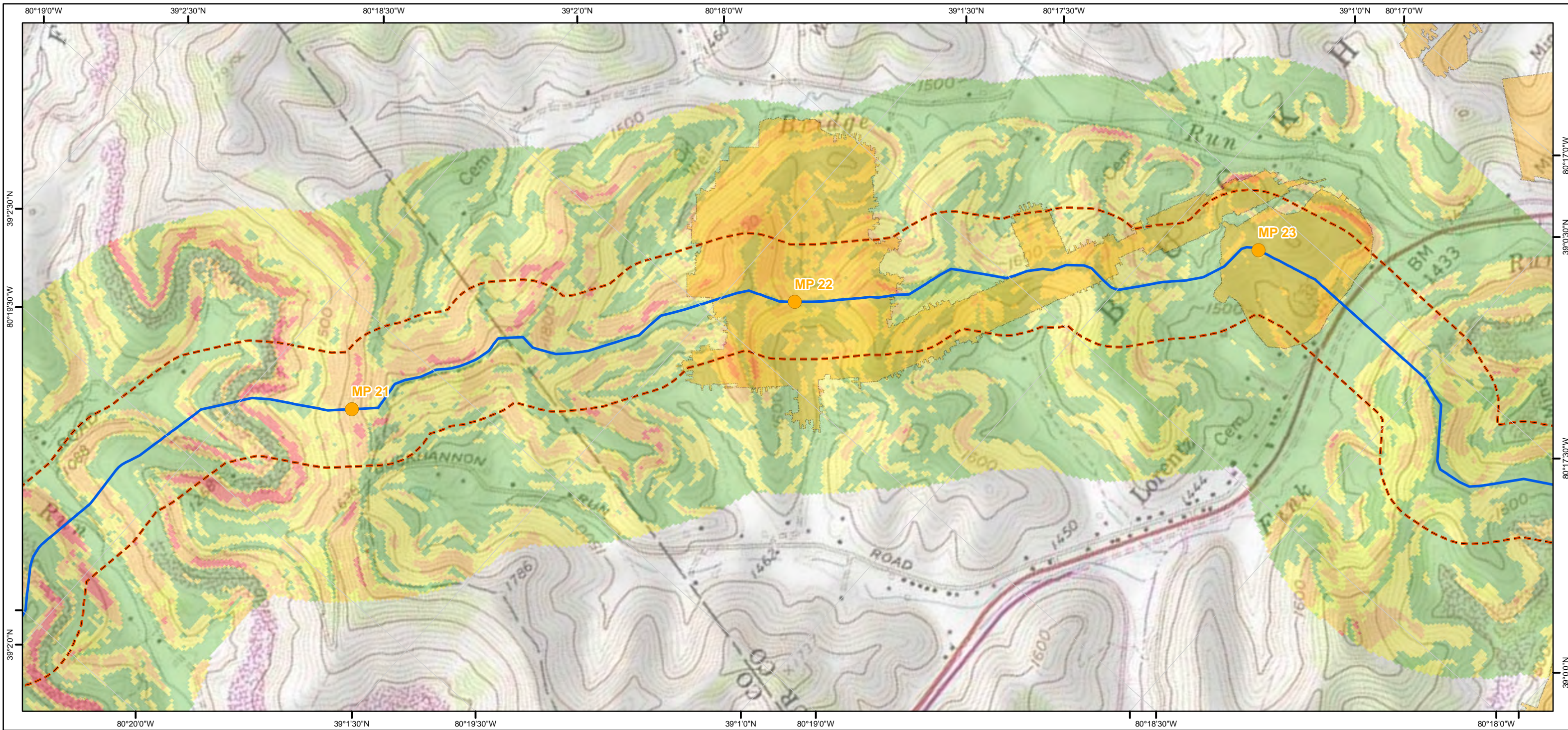
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Dominion[®]
Geosyntec

consultants

TESSE
▲▲▲
ATIONS



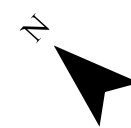
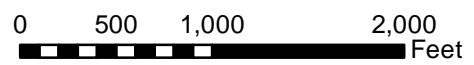
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 21 of 216

1:12,000



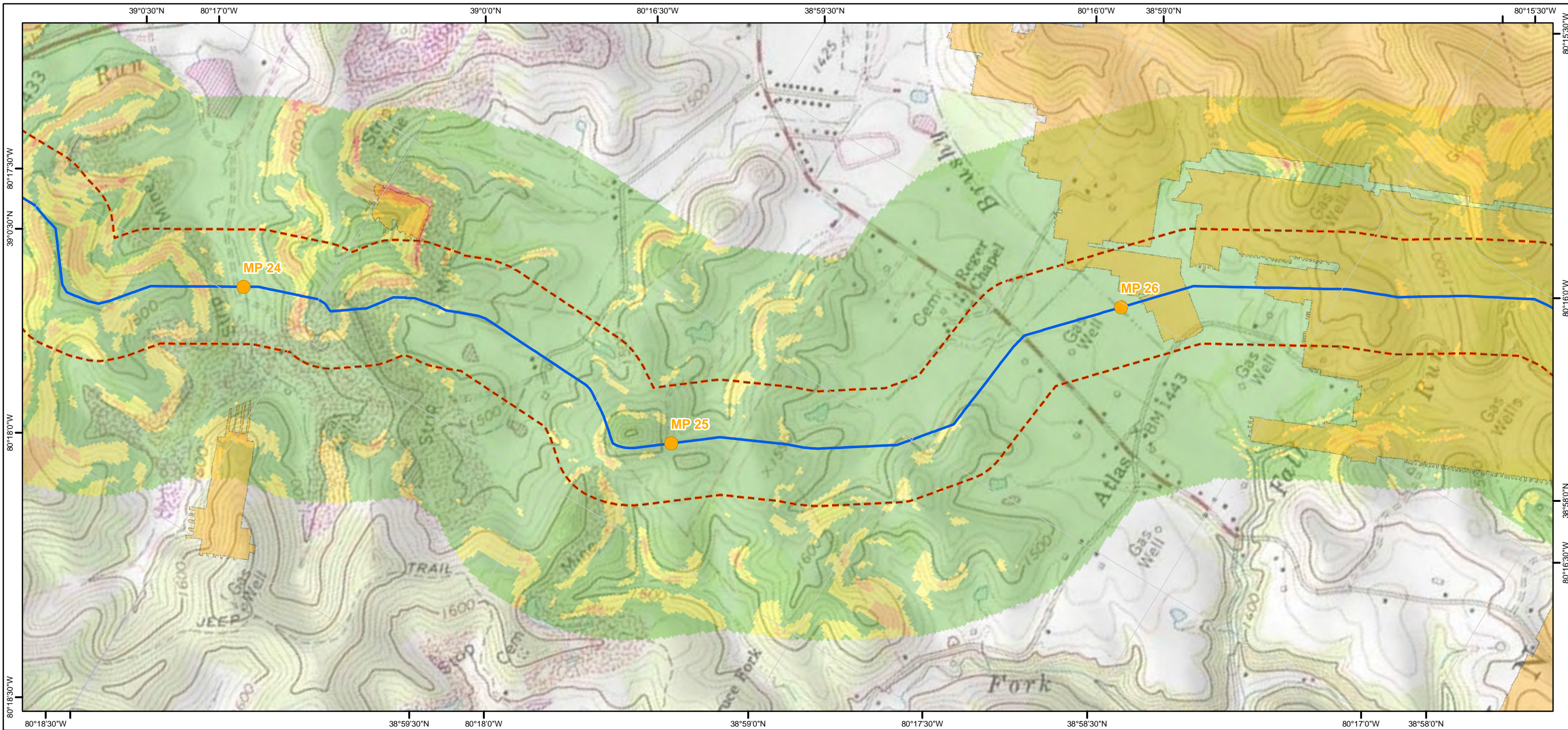
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



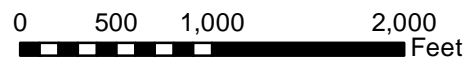
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 22 of 216

1:12,000



Document Information:

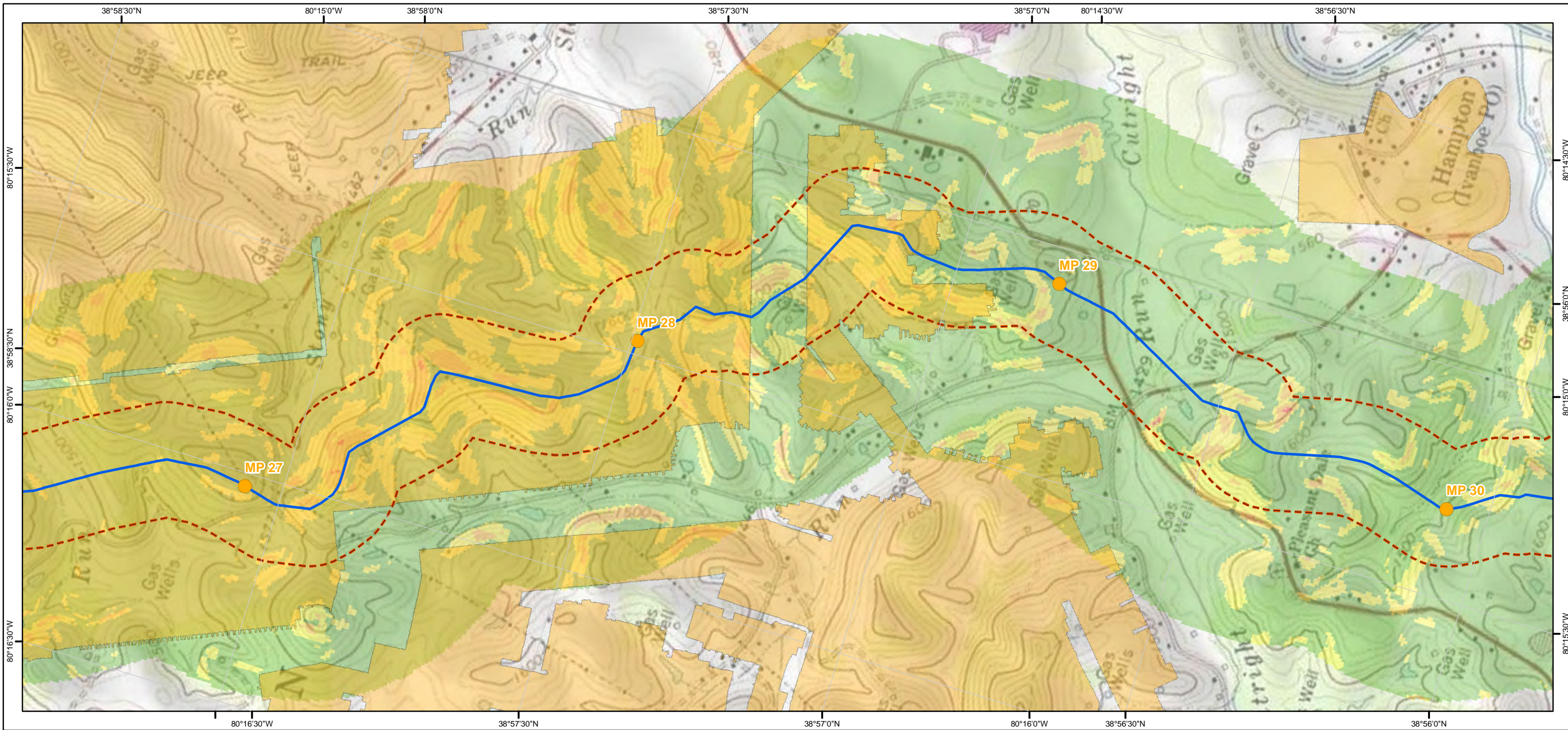
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





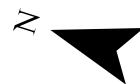
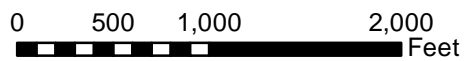
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 23 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

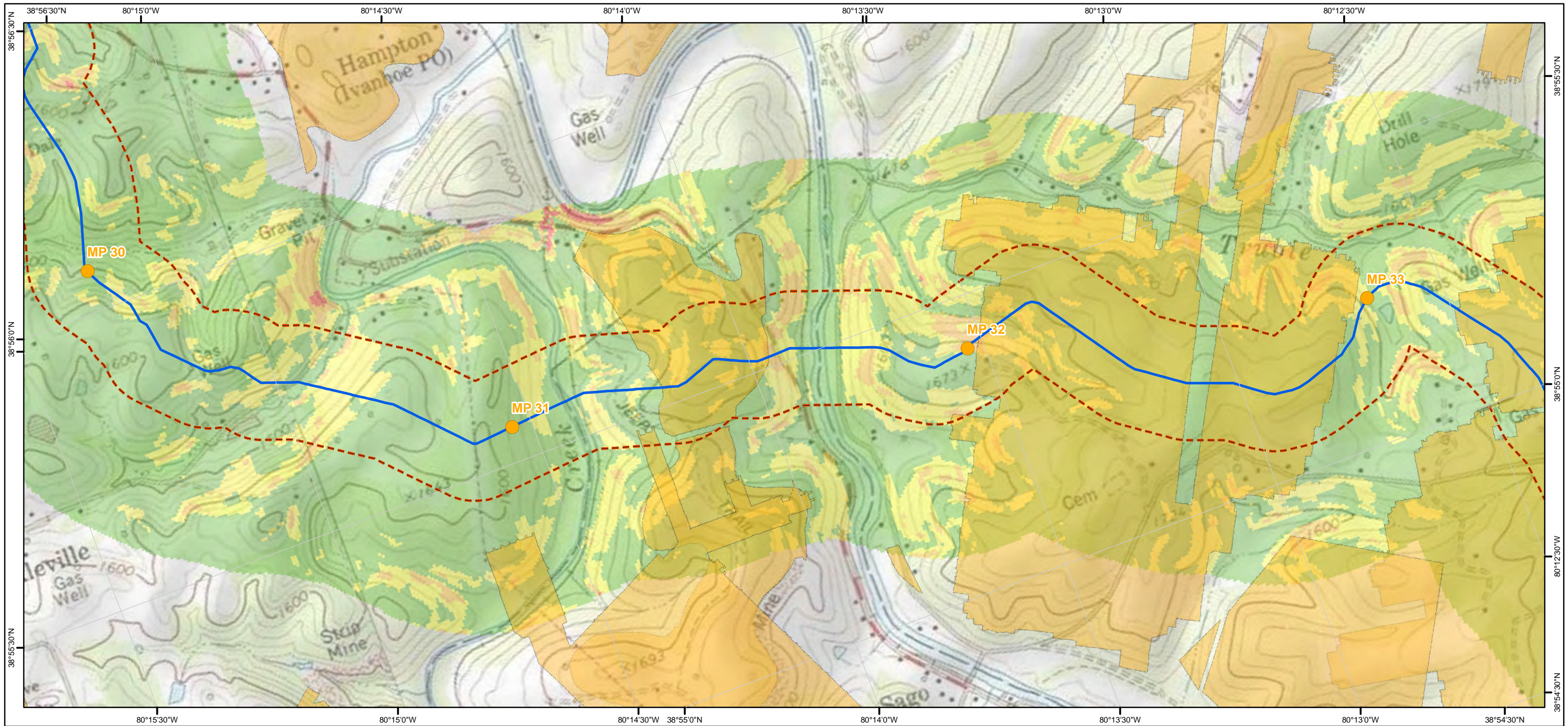


Dominion[®]

Geosyntec

consultants

TESSE



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project

Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 24 of 216

1:12,000

0 500 1,000 2,000

Feet

Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

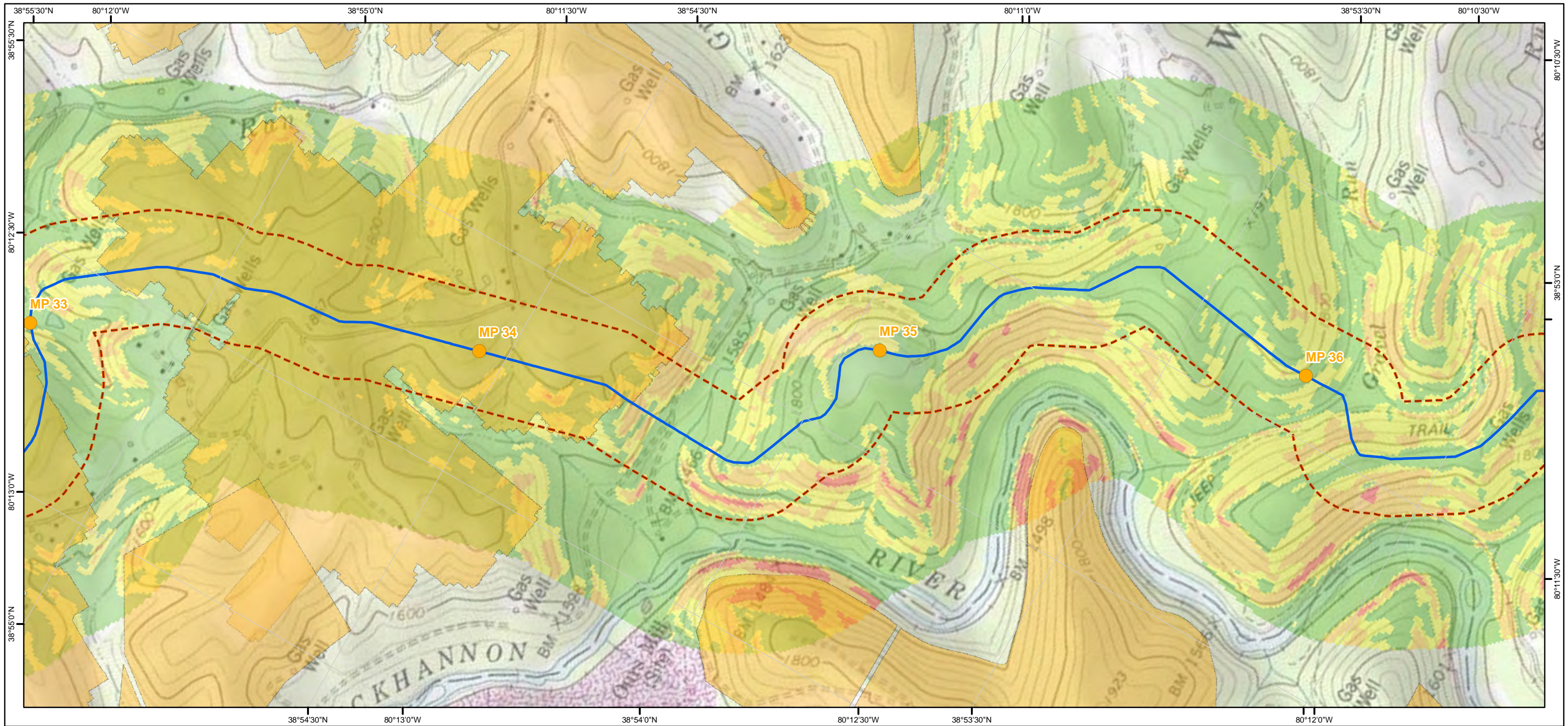
Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion

Geosyntec

consultants



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 25 of 216



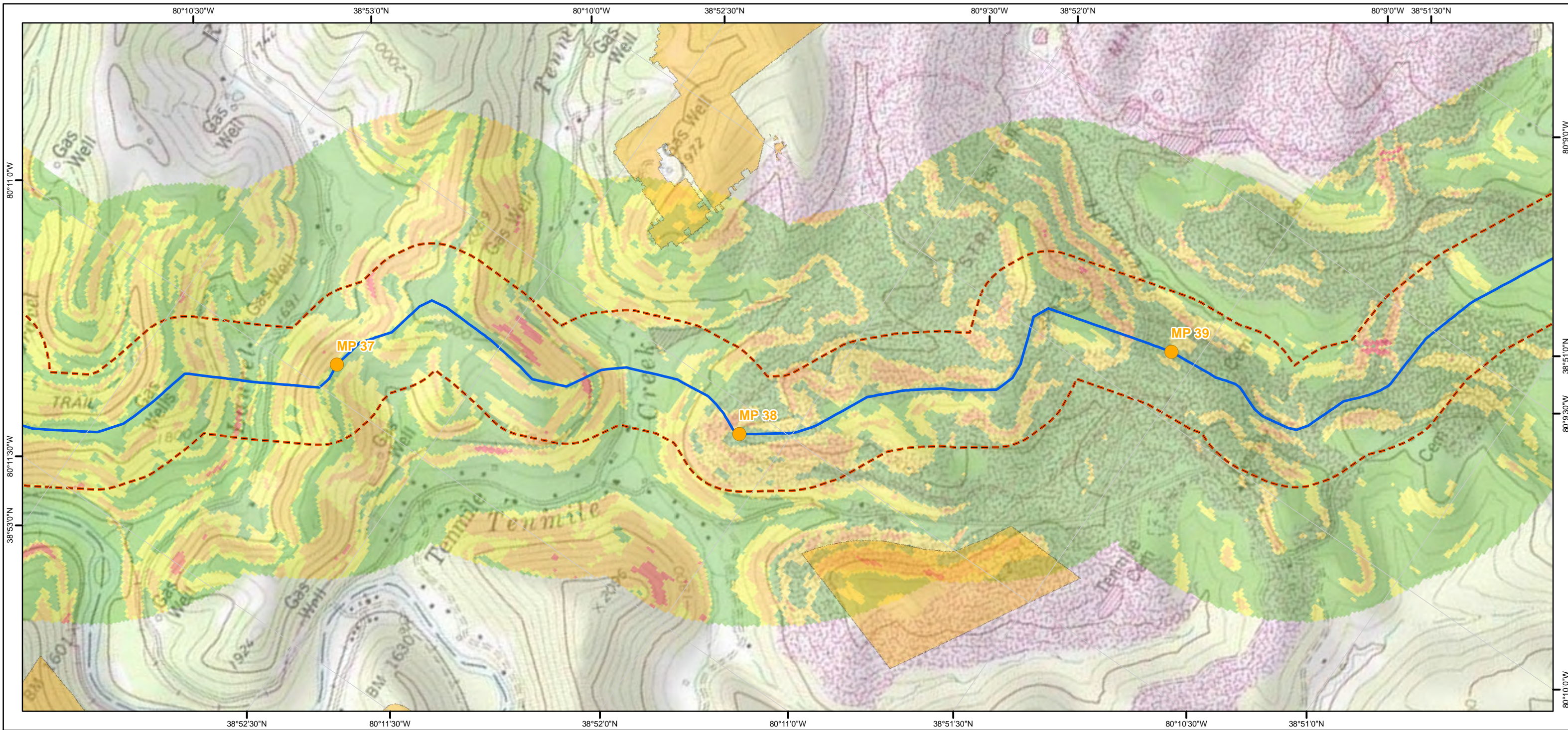
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

TESSE
CORPORATION



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 26 of 216

1:12,000

Document Information:

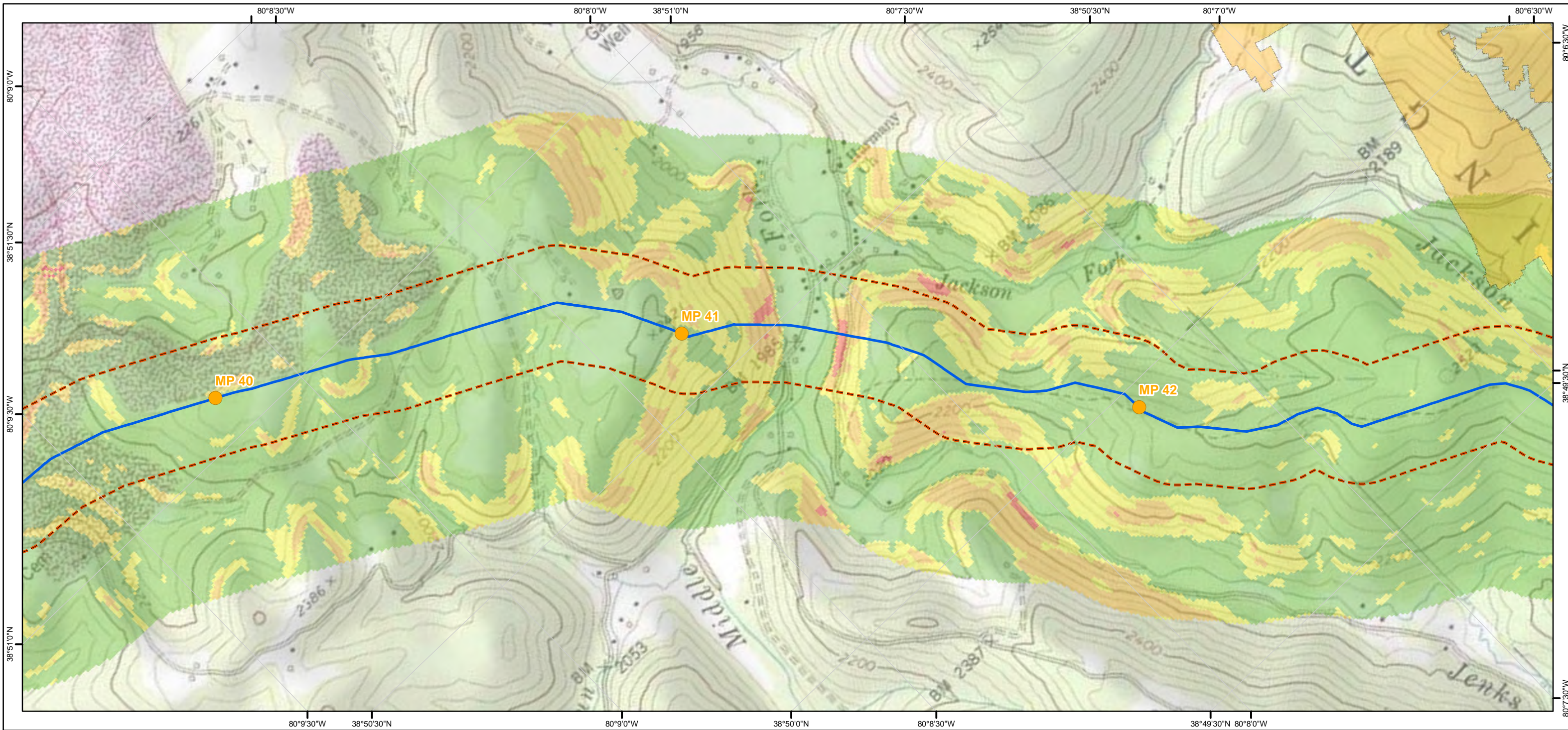
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSEMA

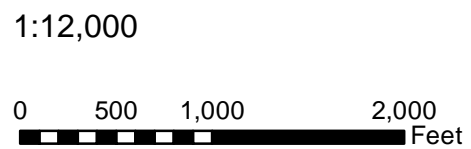


Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 27 of 216



Document Information:

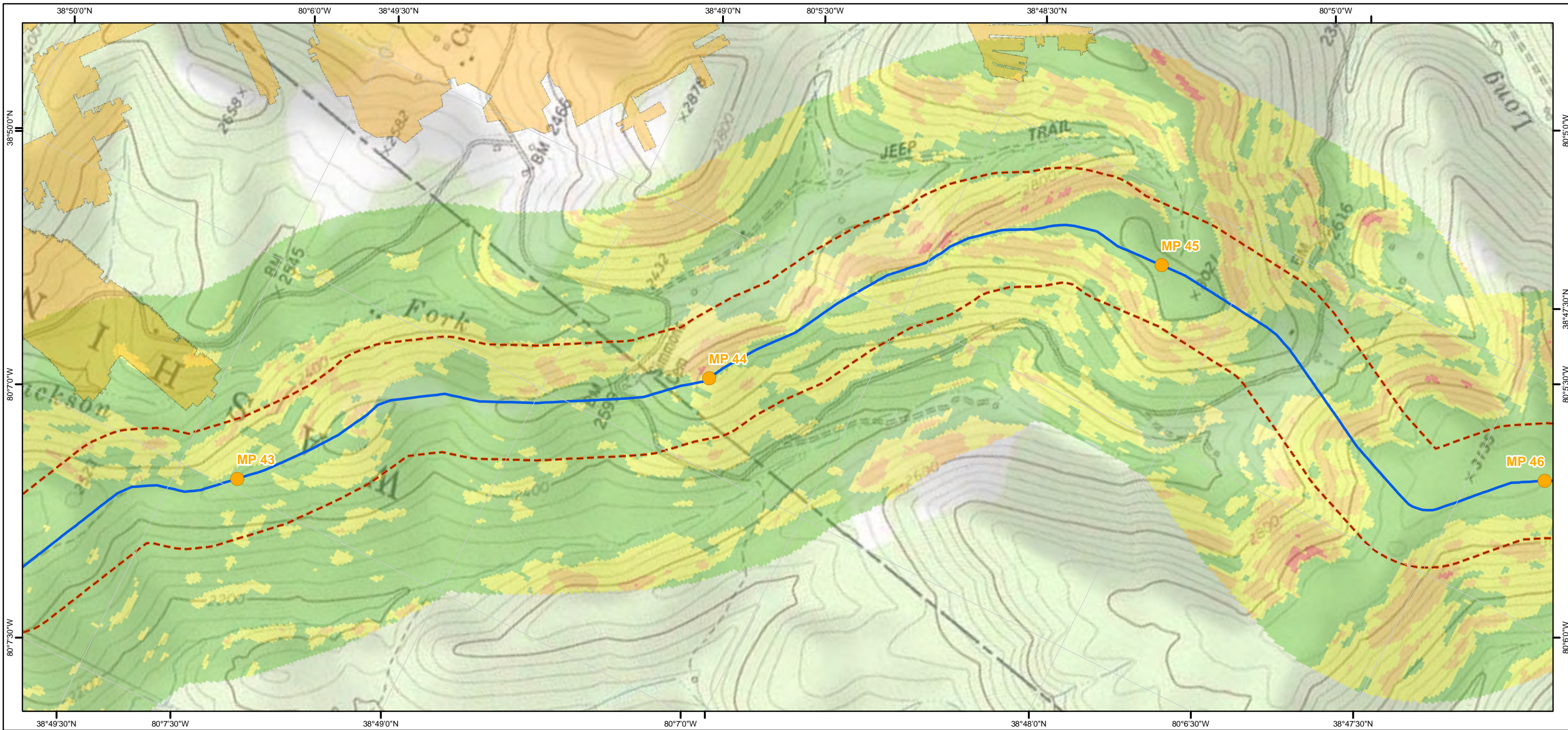
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





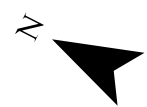
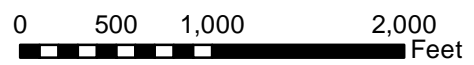
Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 28 of 216

1:12,000



Document Information:

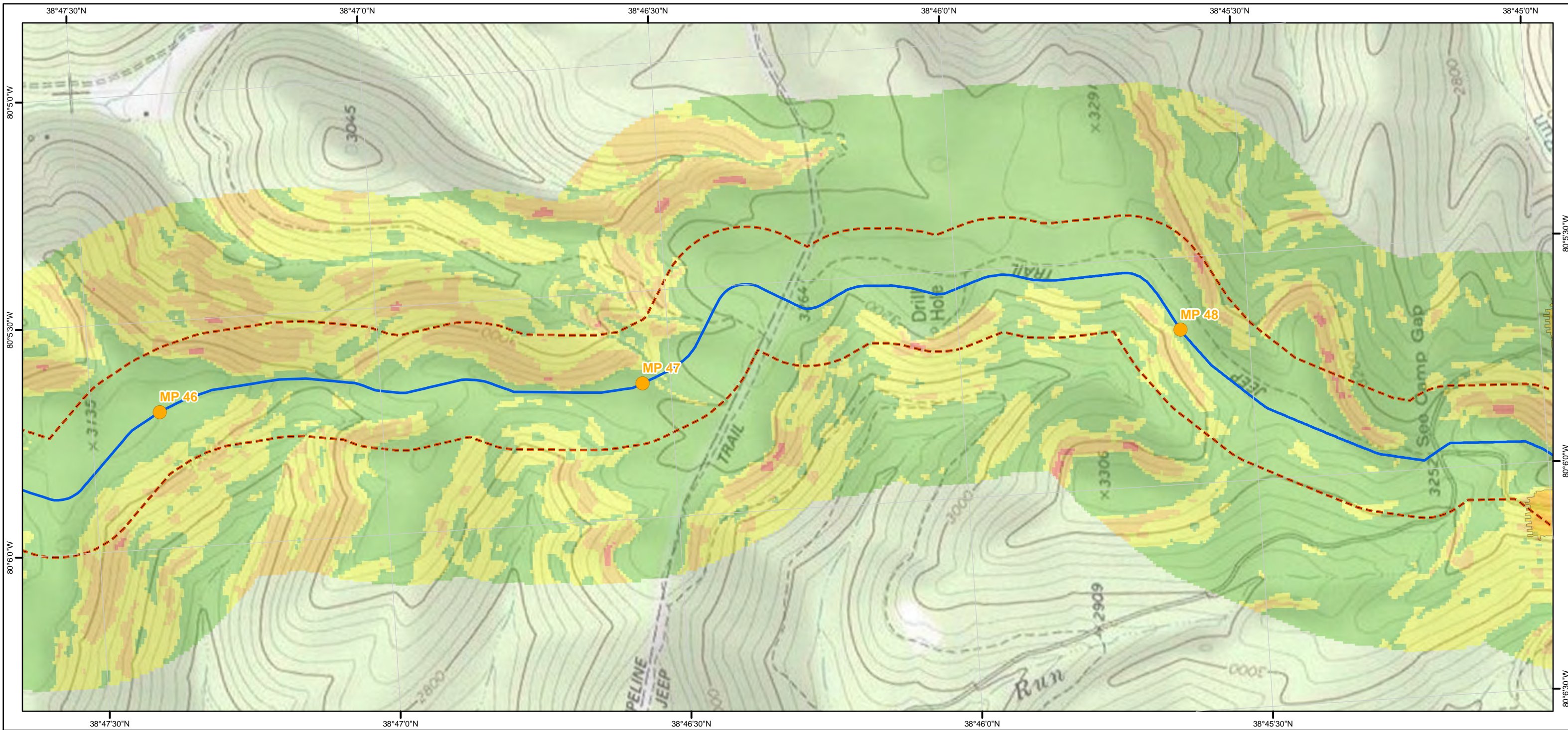
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





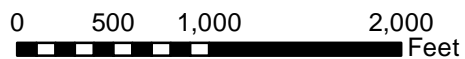
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 29 of 216

1:12,000



Document Information:

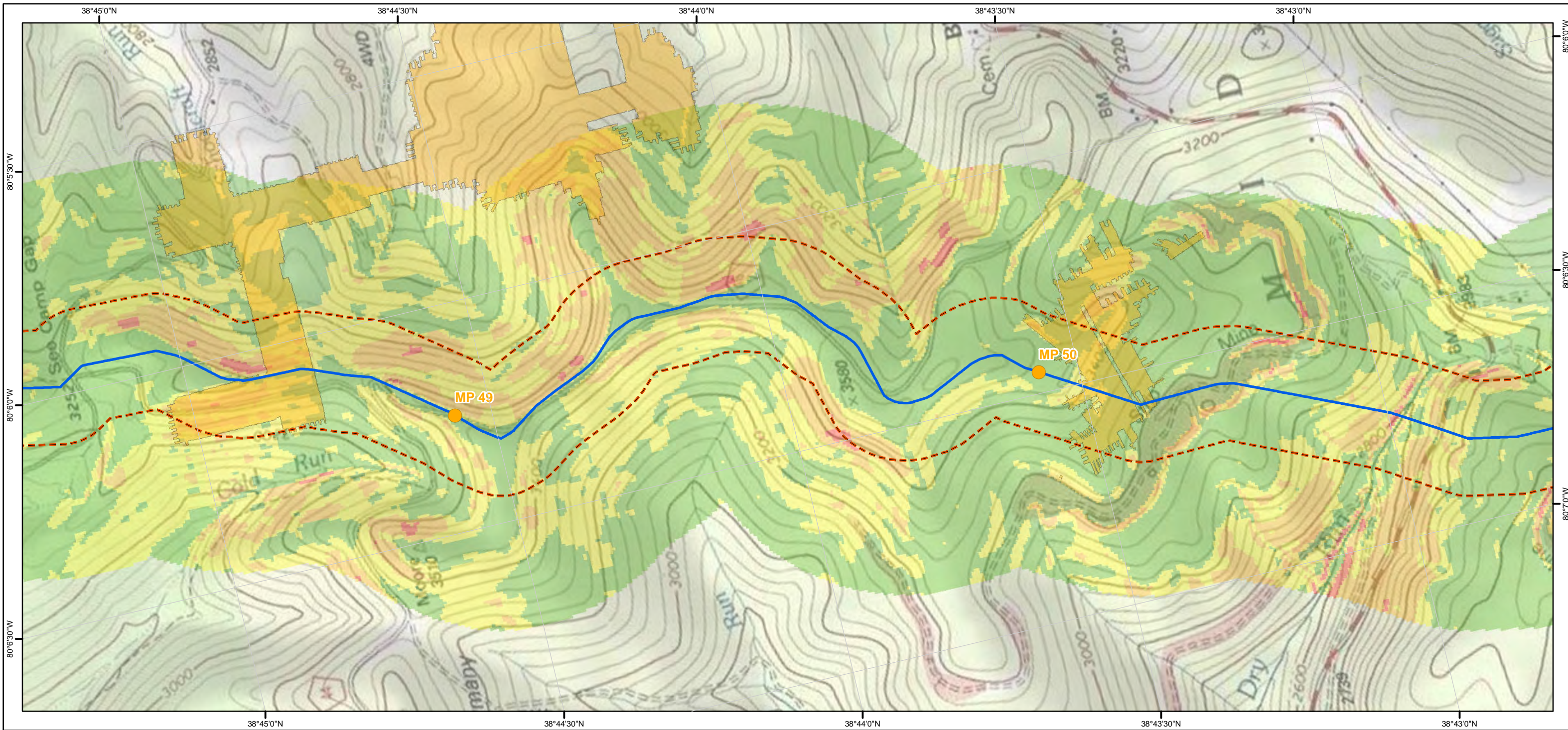
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





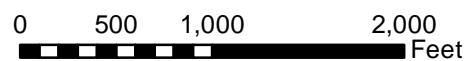
Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
-
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 30 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

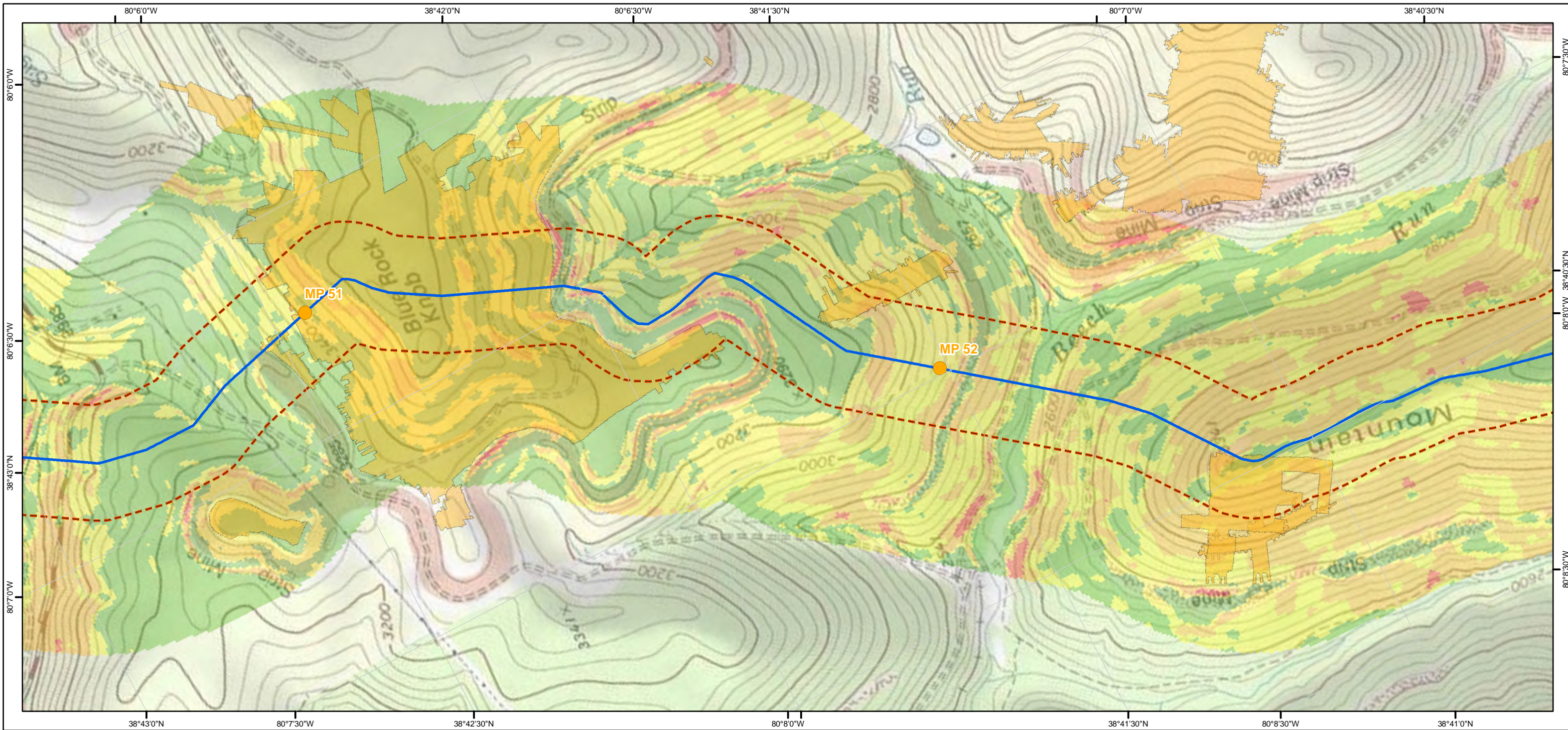


Dominion[®]

Geosyntec

consultants

TESSE



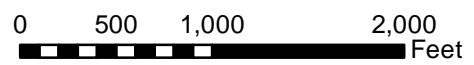
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 31 of 216

1:12,000



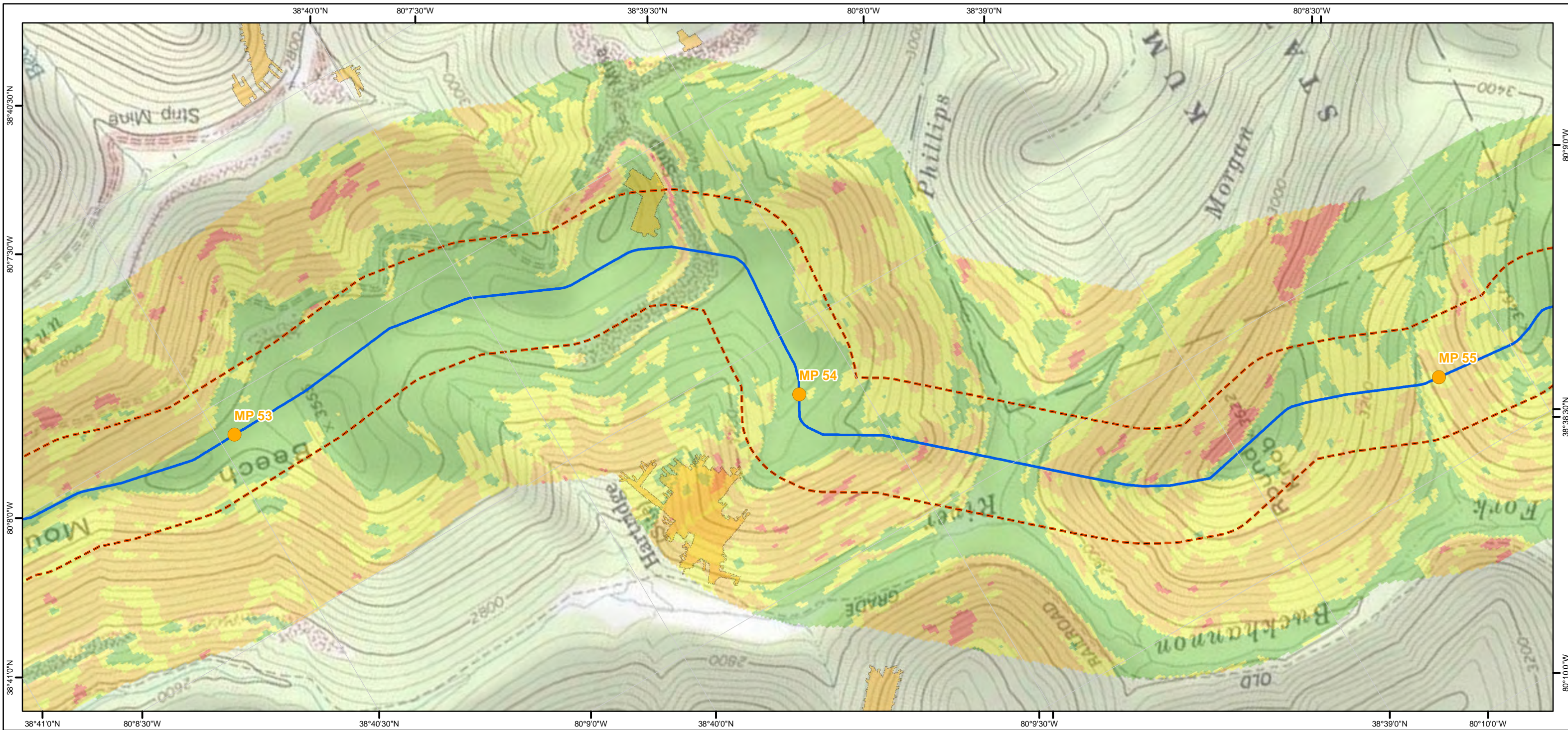
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

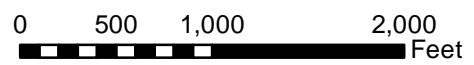
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 32 of 216

1:12,000



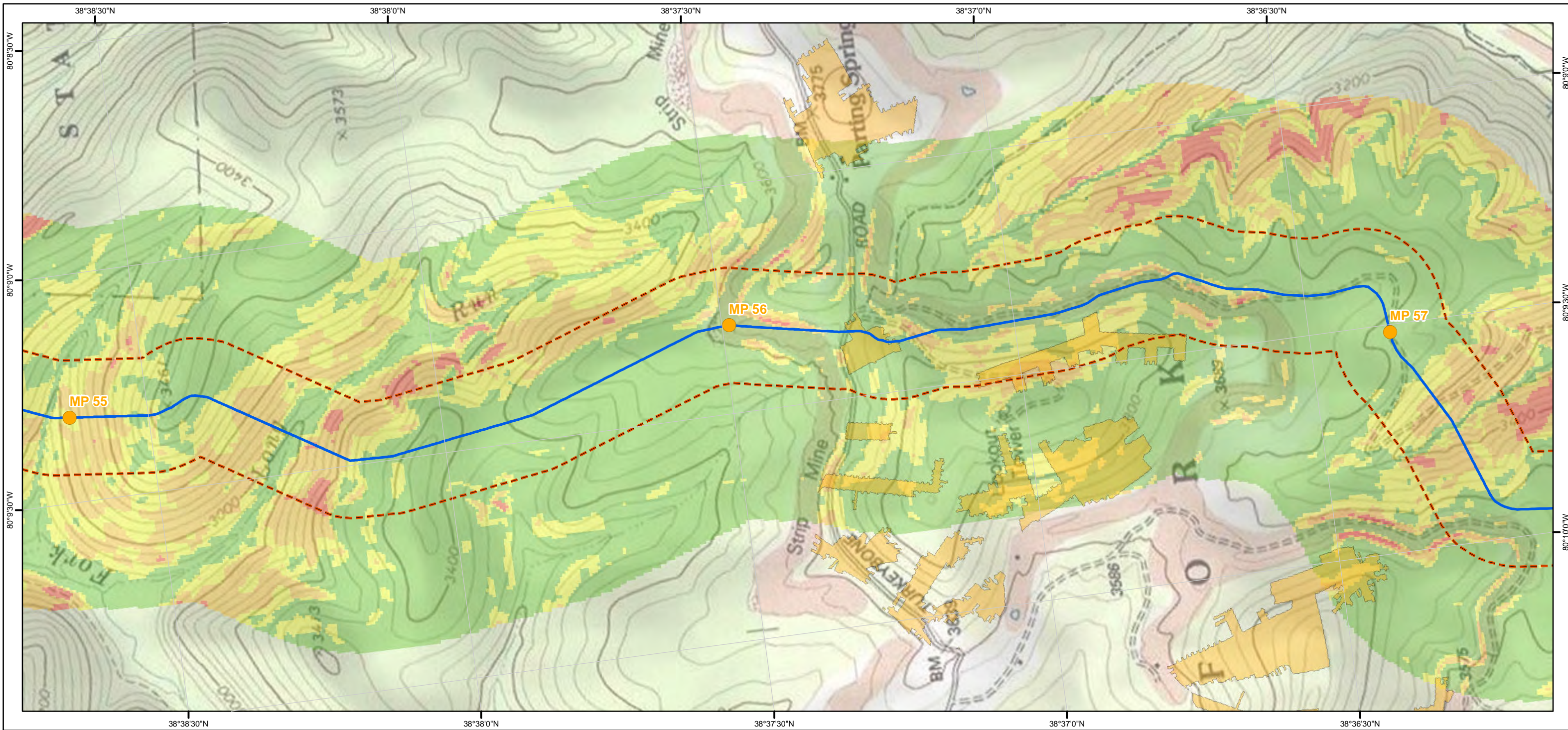
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

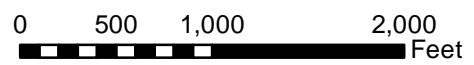
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 33 of 216

1:12,000



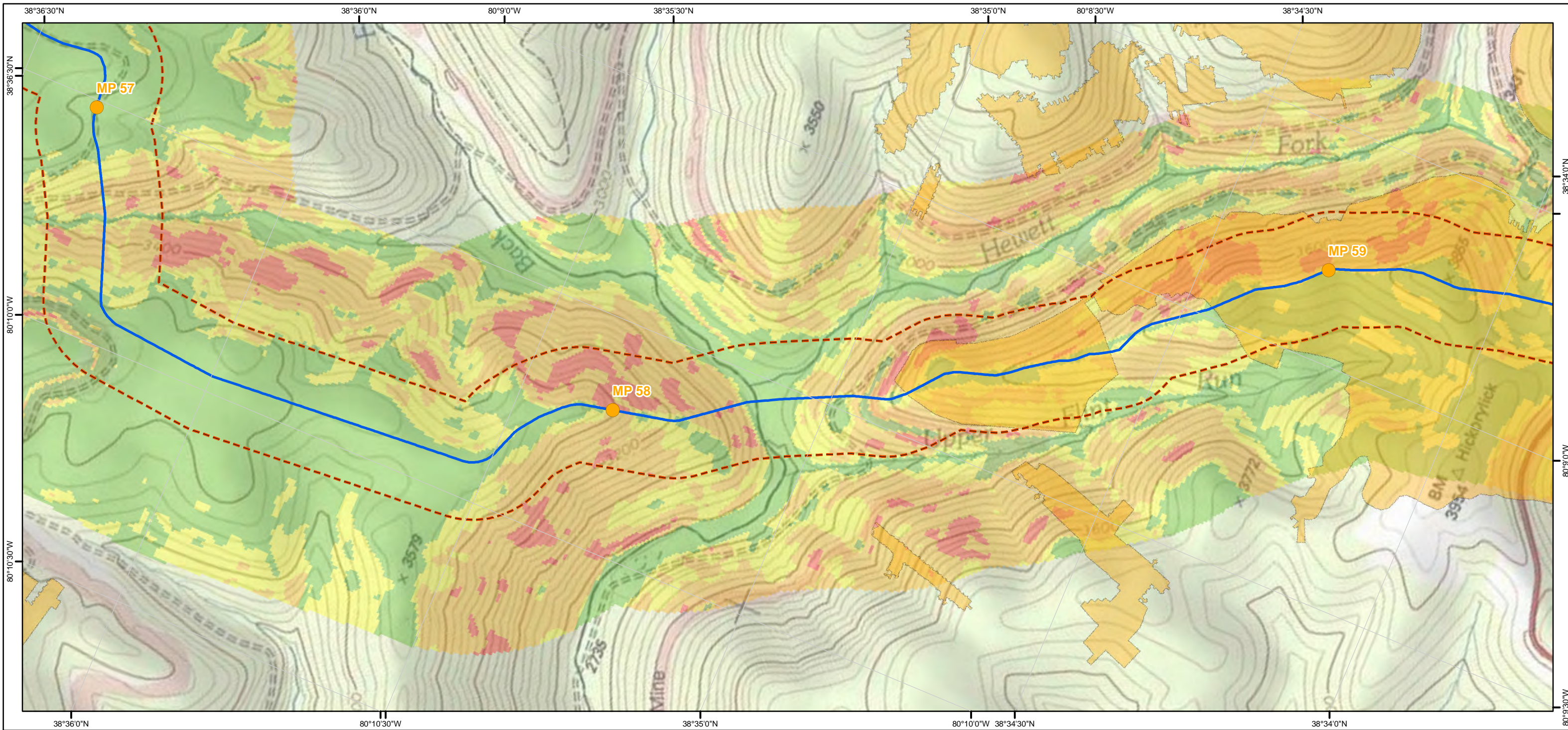
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



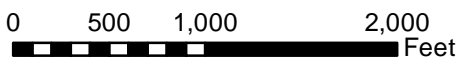
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 34 of 216

1:12,000



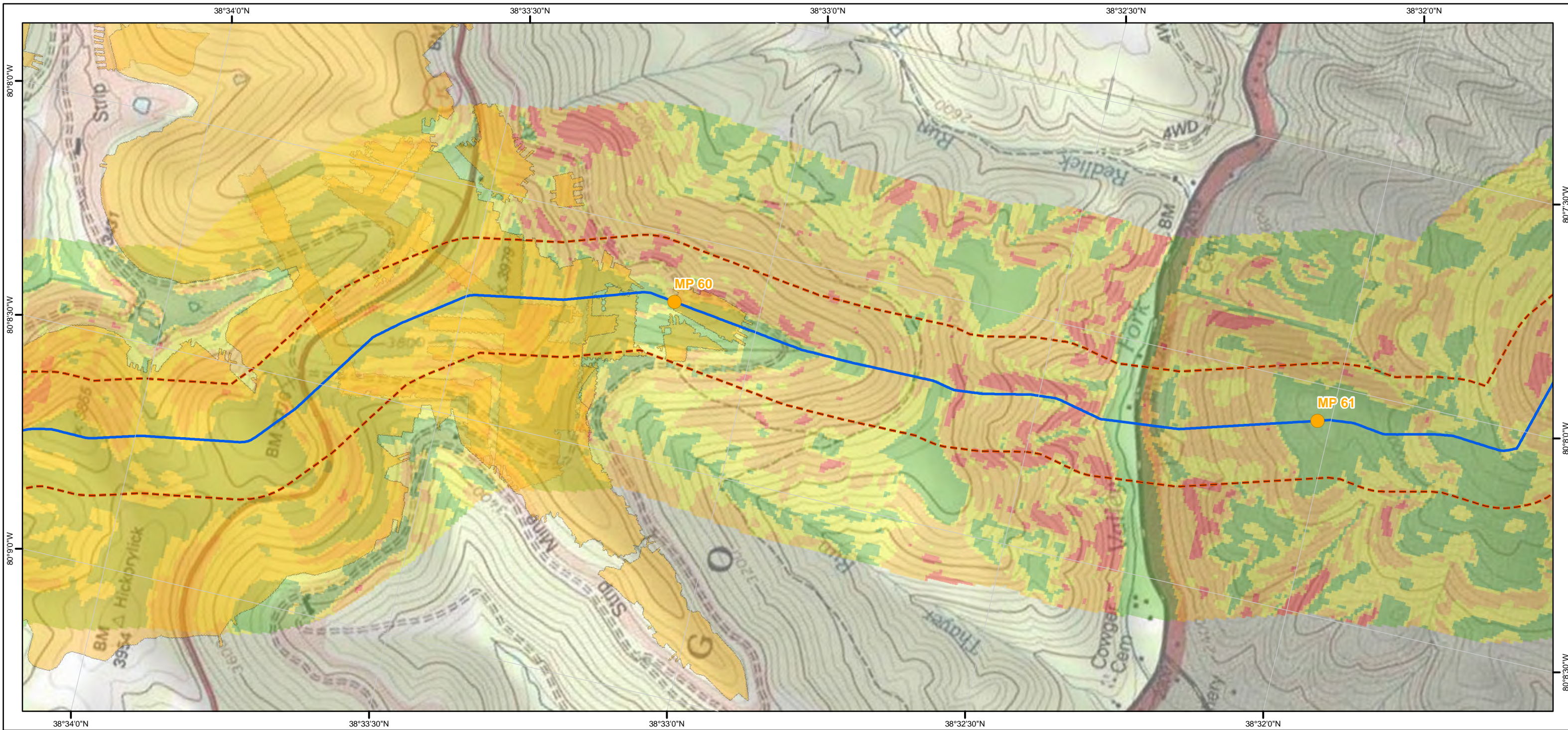
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

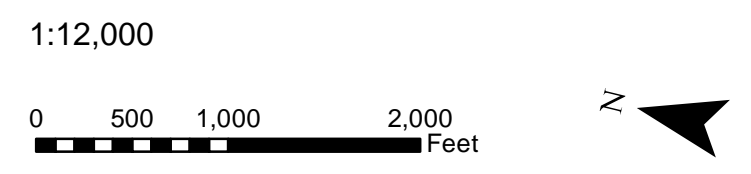
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 35 of 216



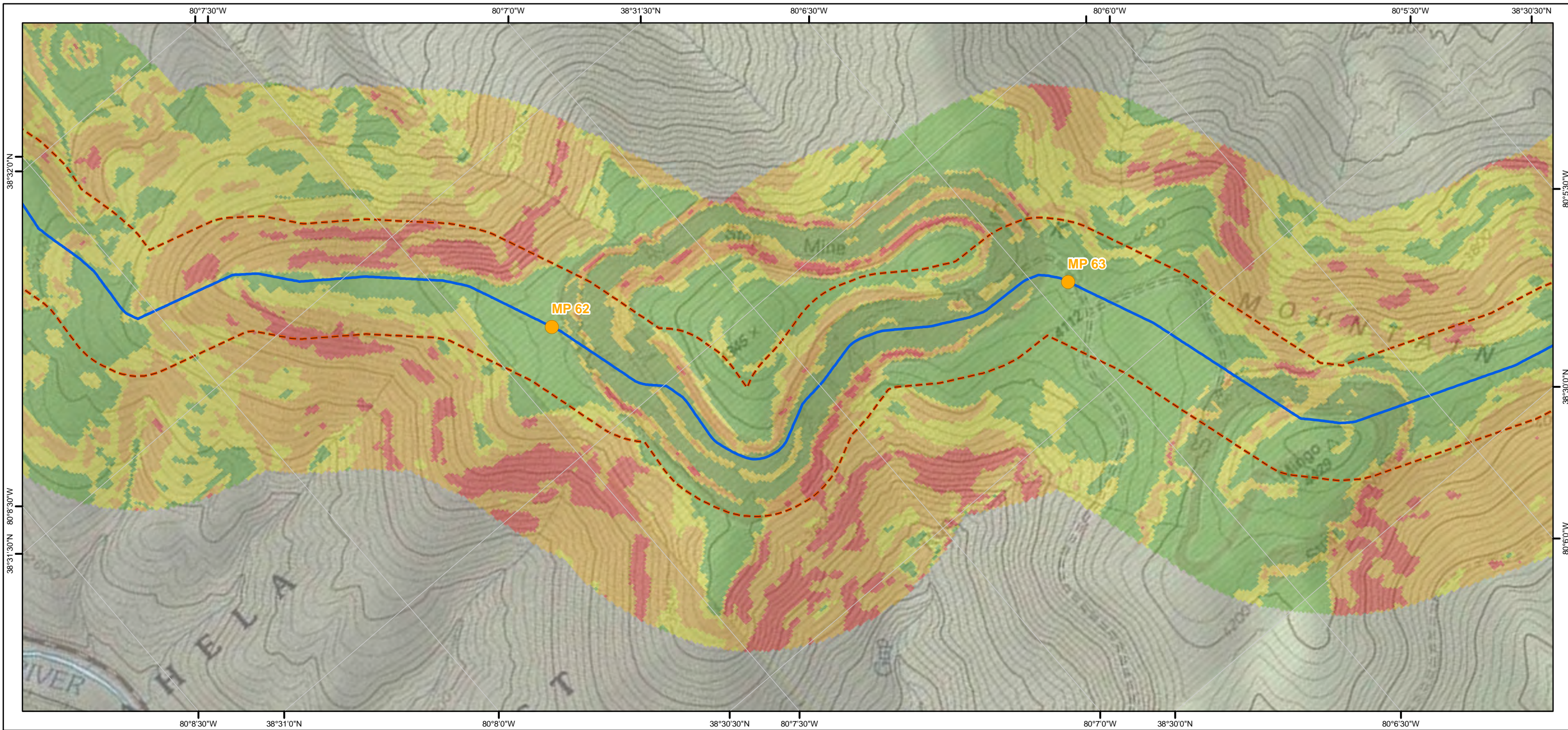
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING

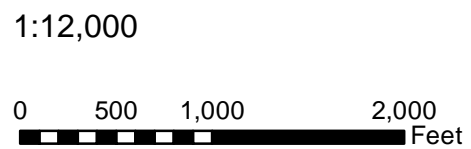


Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 36 of 216



Document Information:

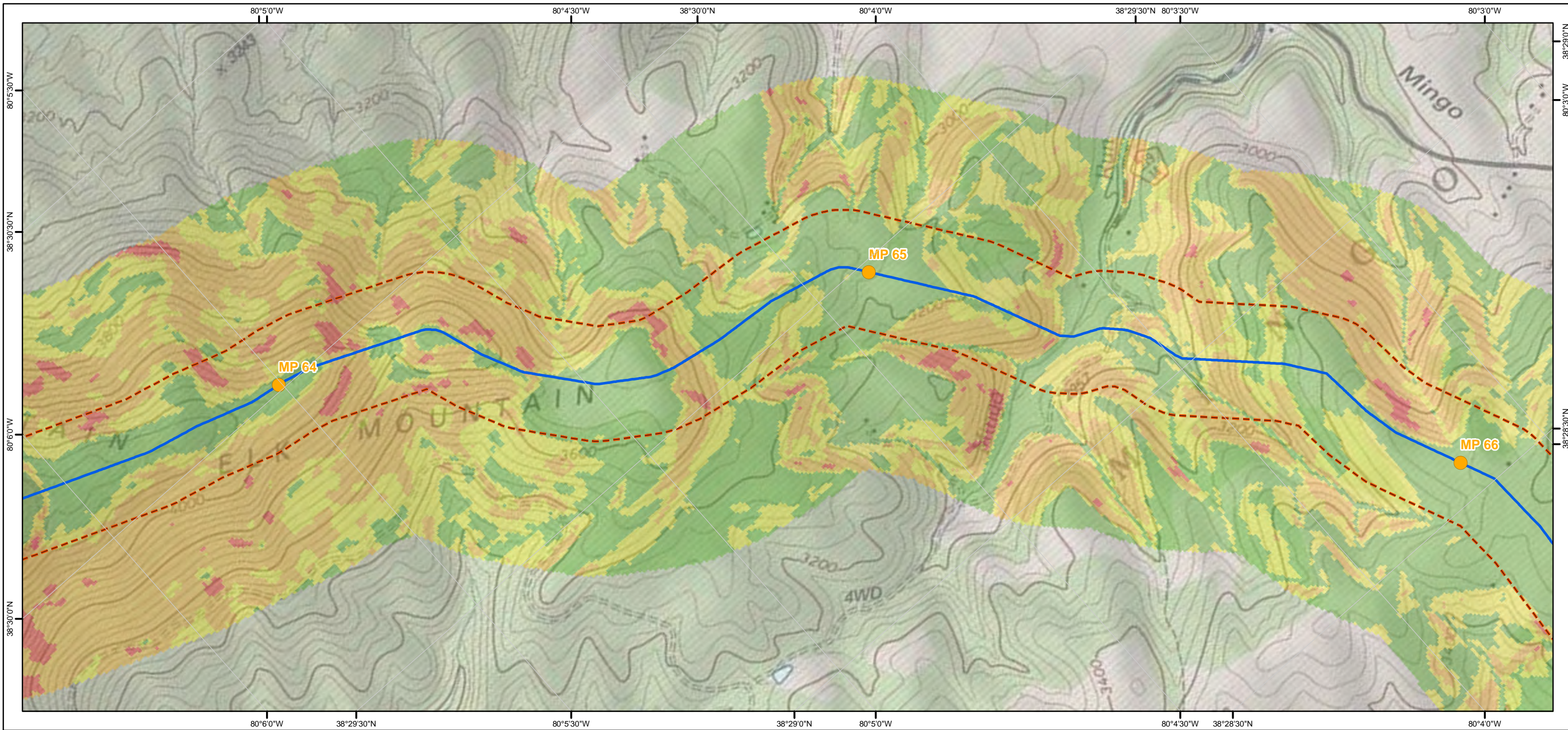
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





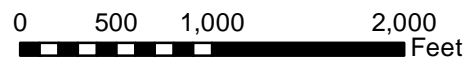
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 37 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

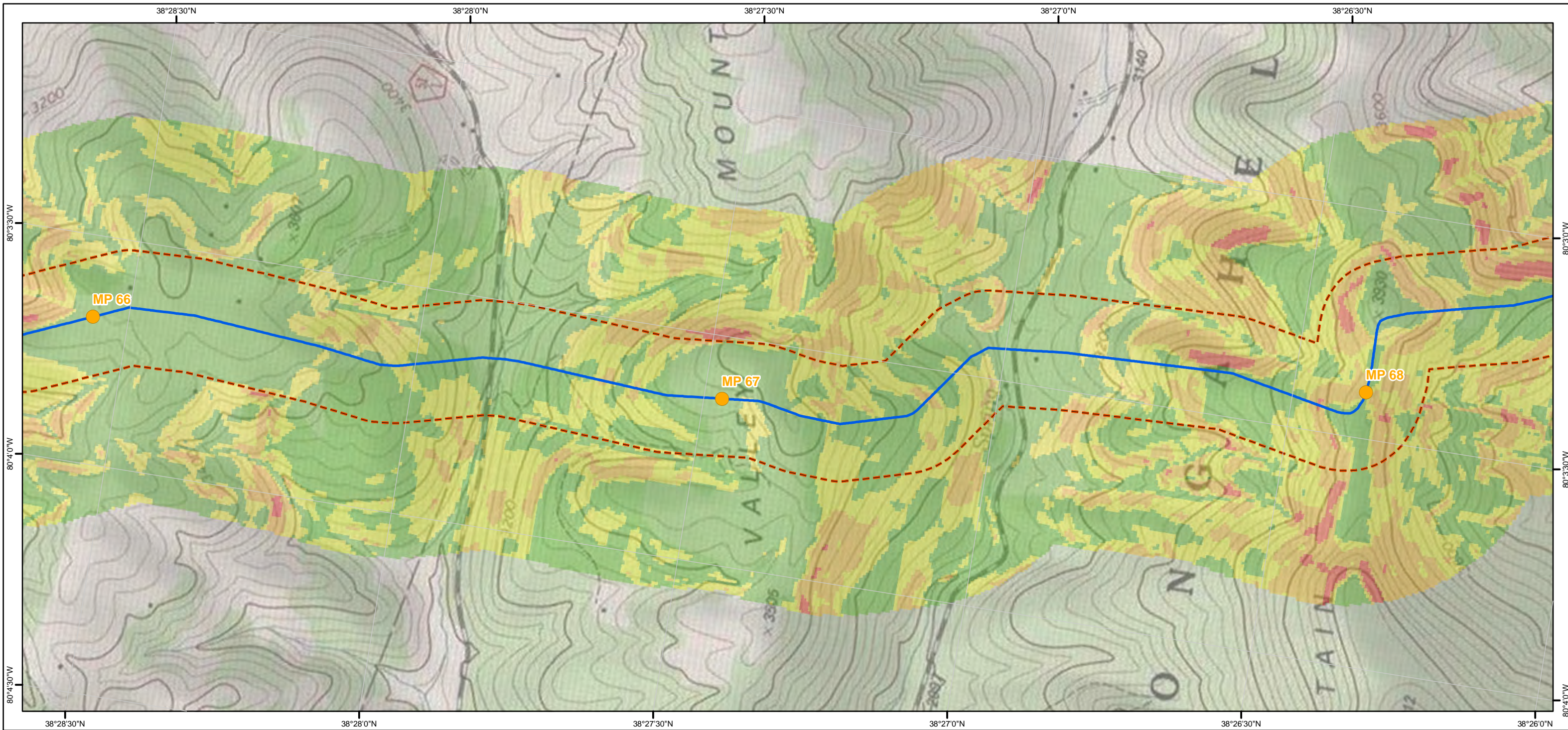
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Dominion[®]
Geosyntec

consultants

TESSE
CORPORATION



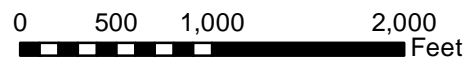
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 38 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

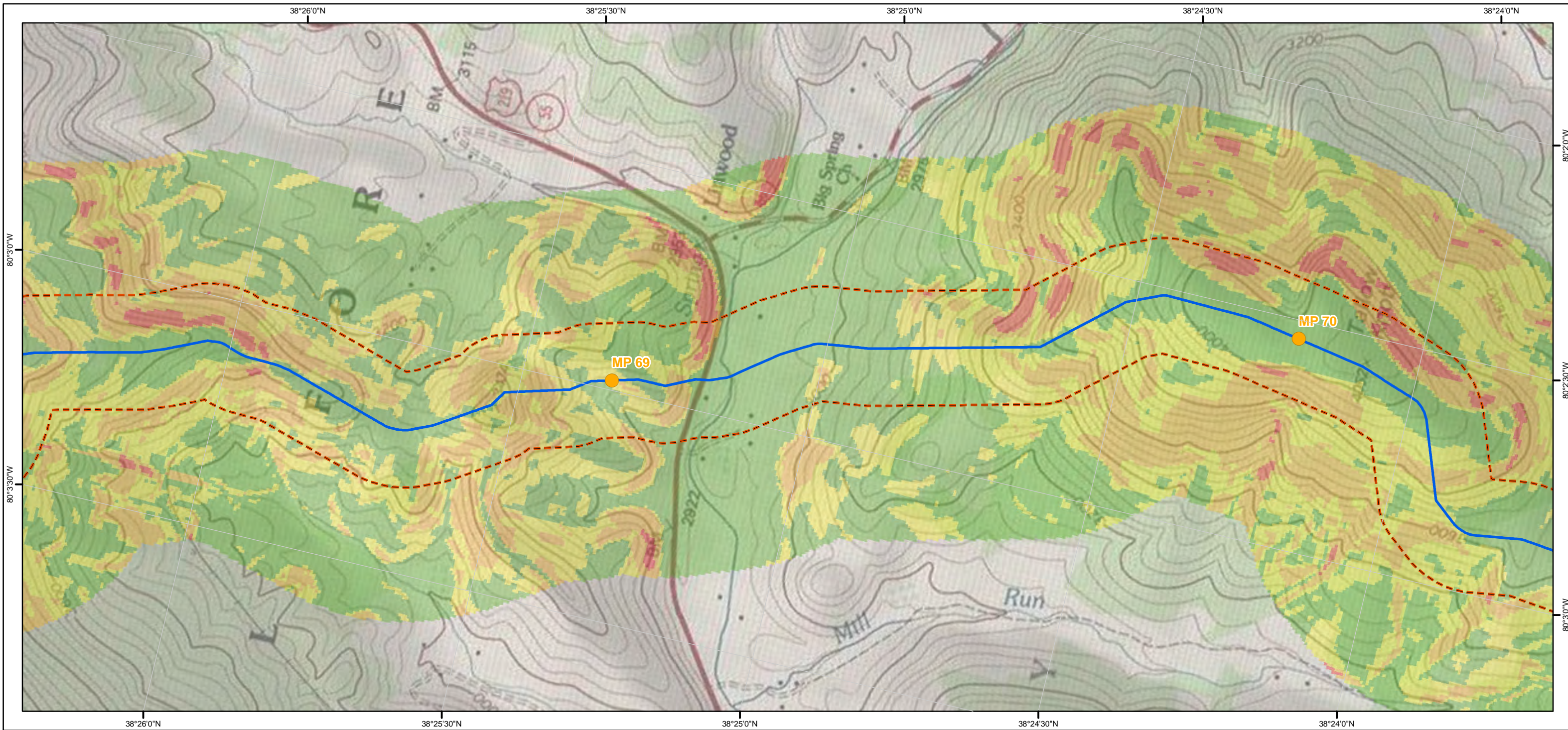


Dominion

Geosyntec

consultants

TESSE **ATIONS**



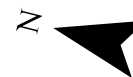
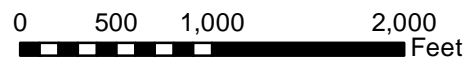
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 39 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

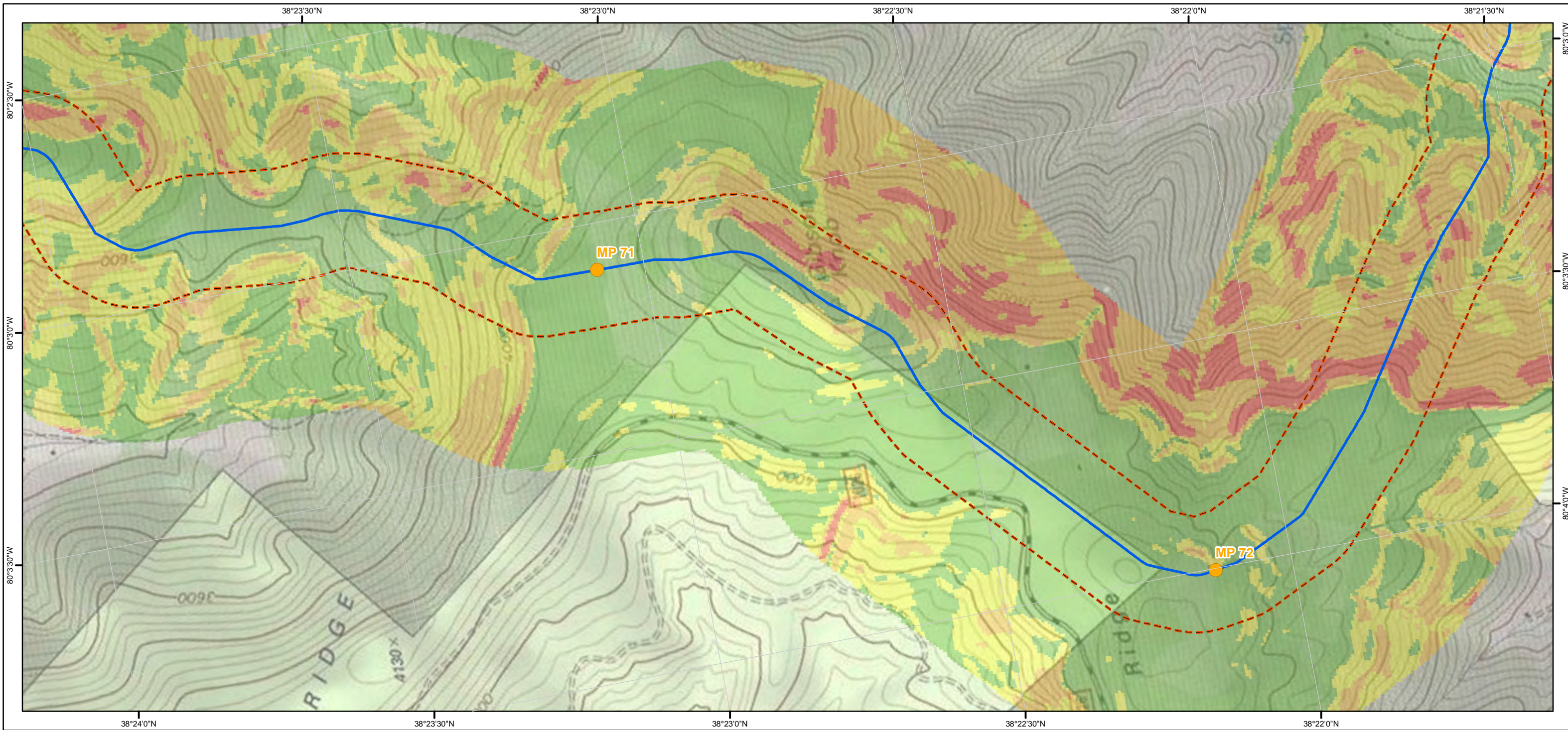


Dominion

Geosyntec

consultants

TESSE **ATIONS**



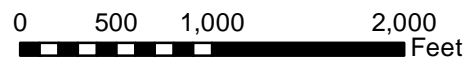
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 40 of 216

1:12,000



Document Information:

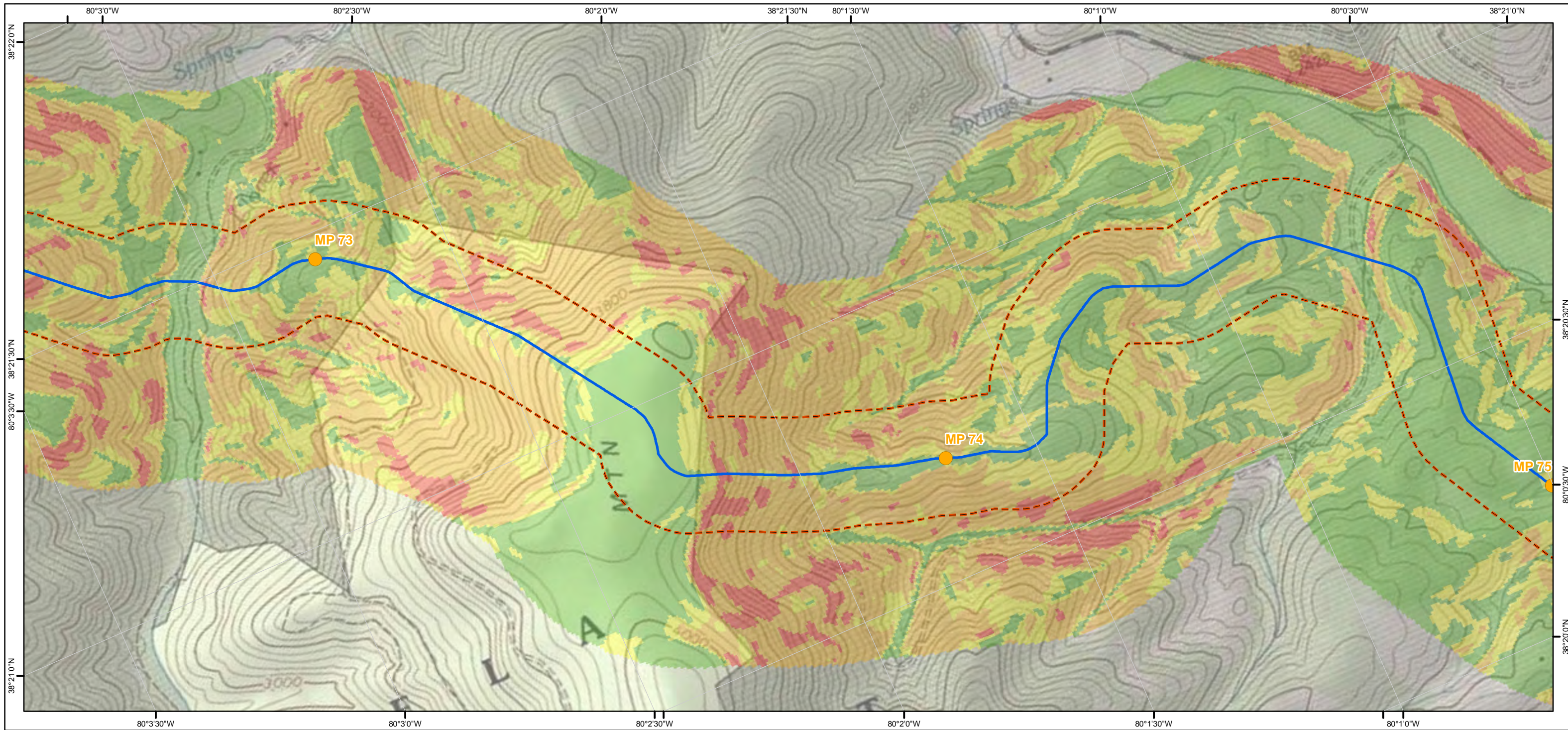
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





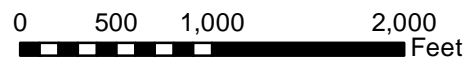
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 41 of 216

1:12,000



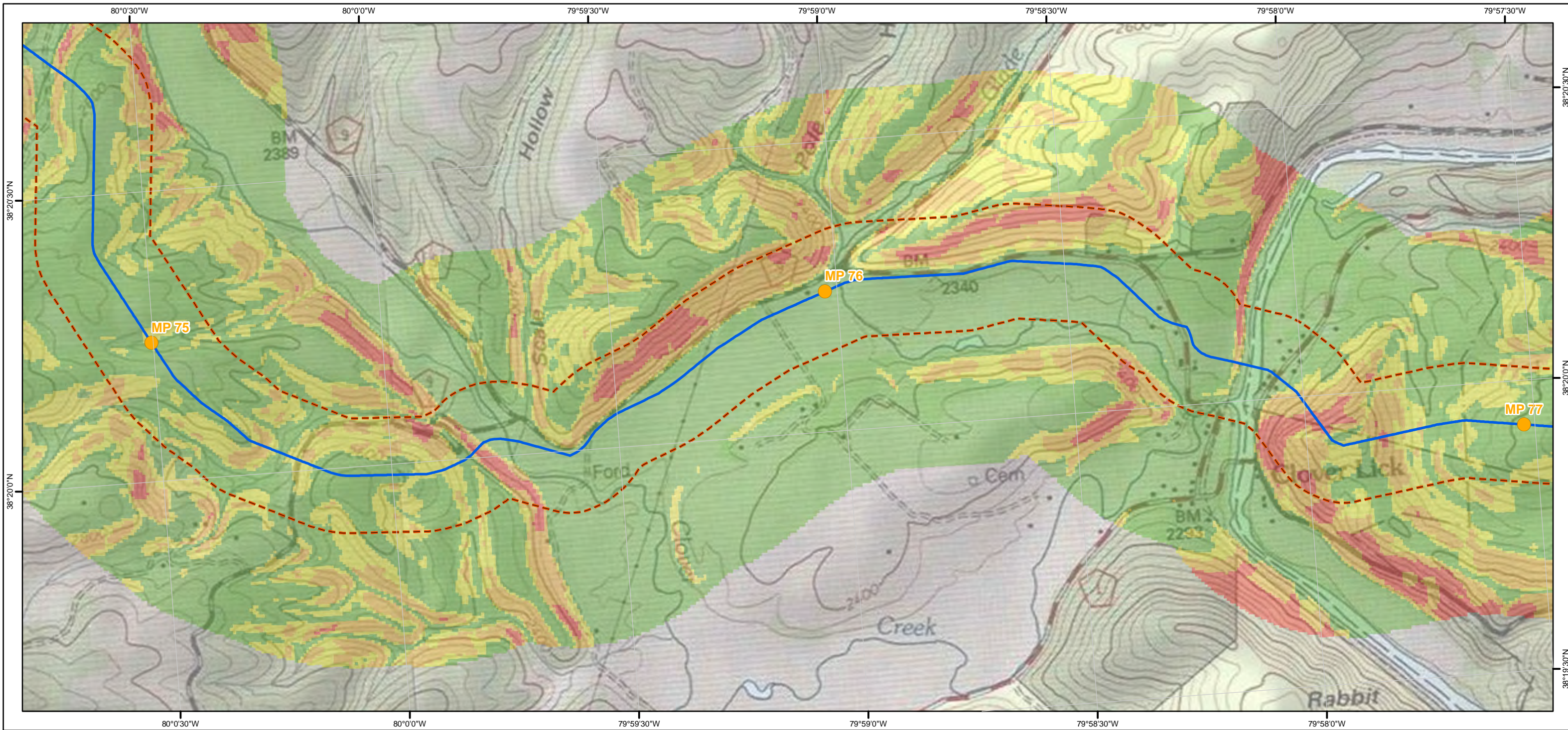
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

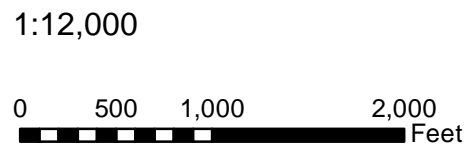


Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 42 of 216



Document Information:

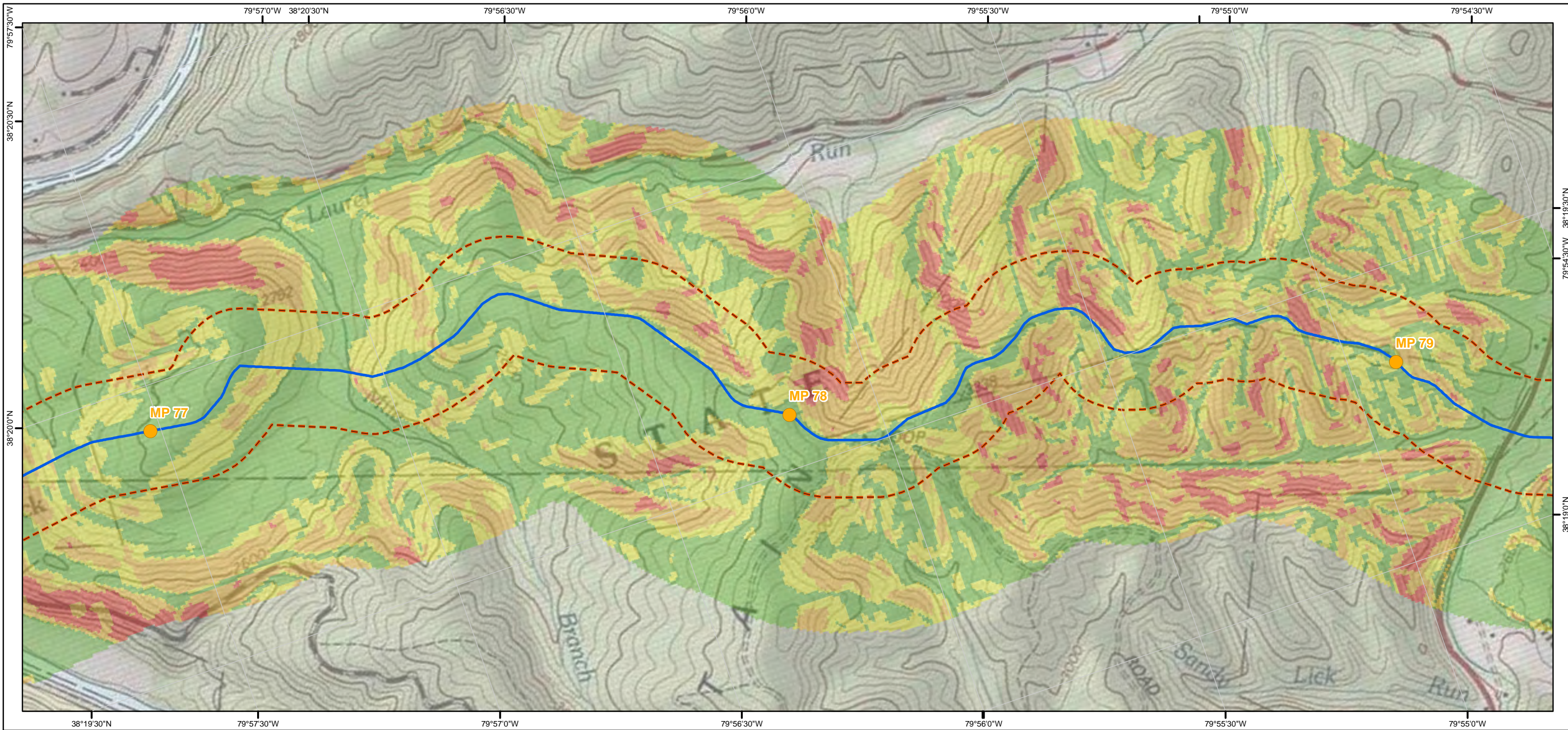
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING



Legend

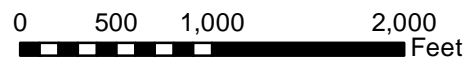
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 43 of 216

1:12,000



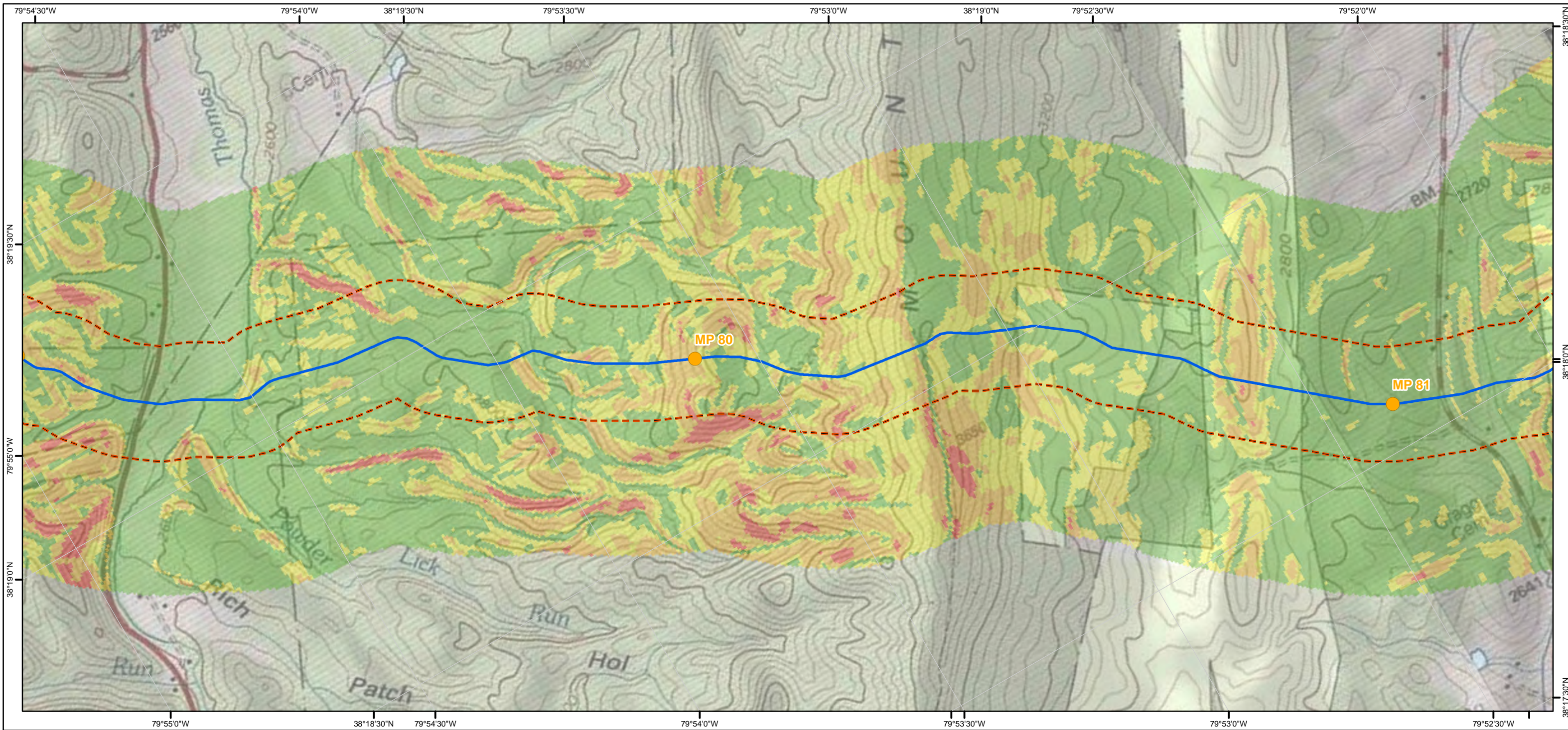
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



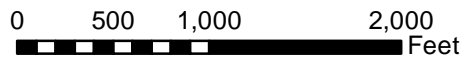
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 44 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

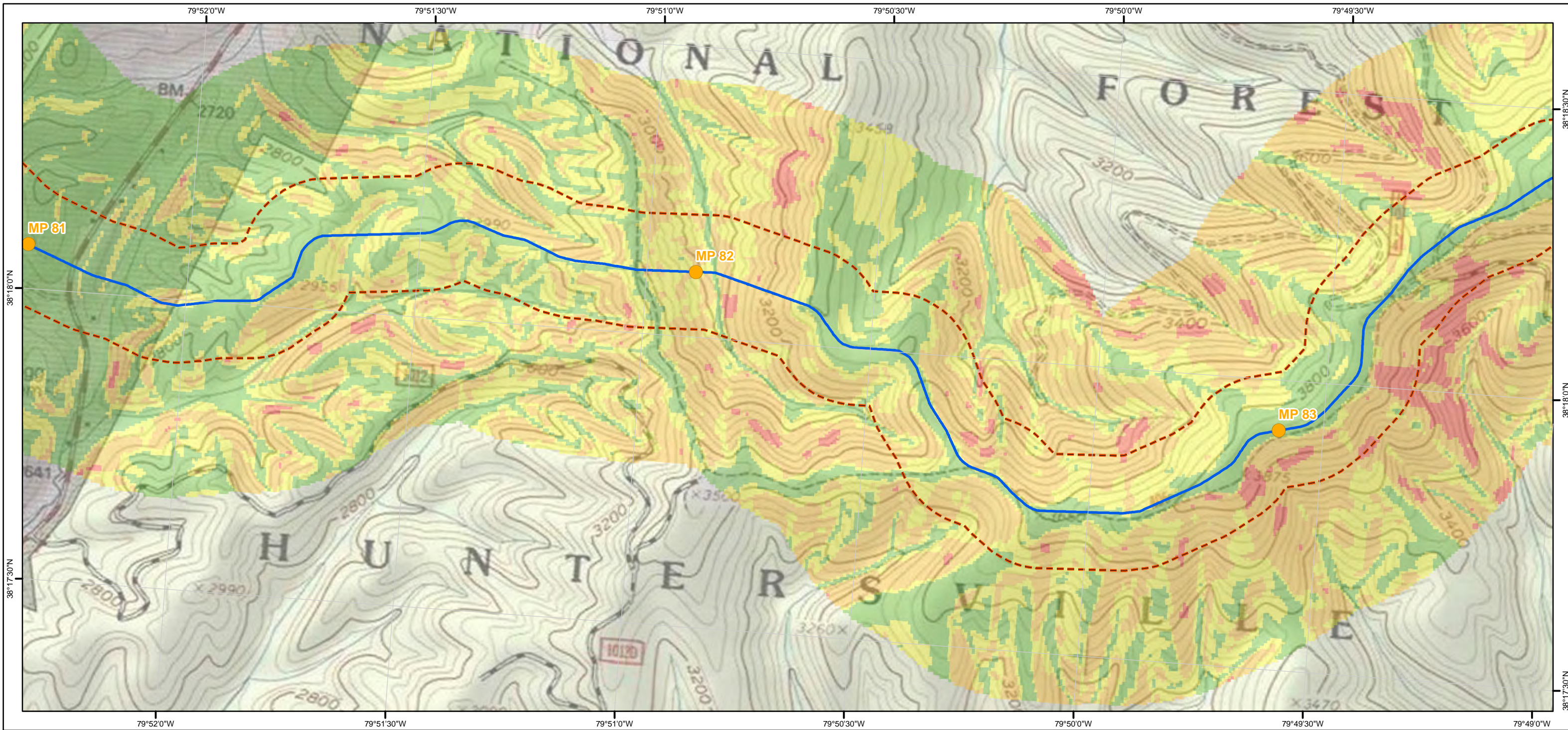
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Dominion[®]
Geosyntec

consultants

TESSE
CORPORATION



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 45 of 216

1:12,000

0 500 1,000 2,000

Feet

N

Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

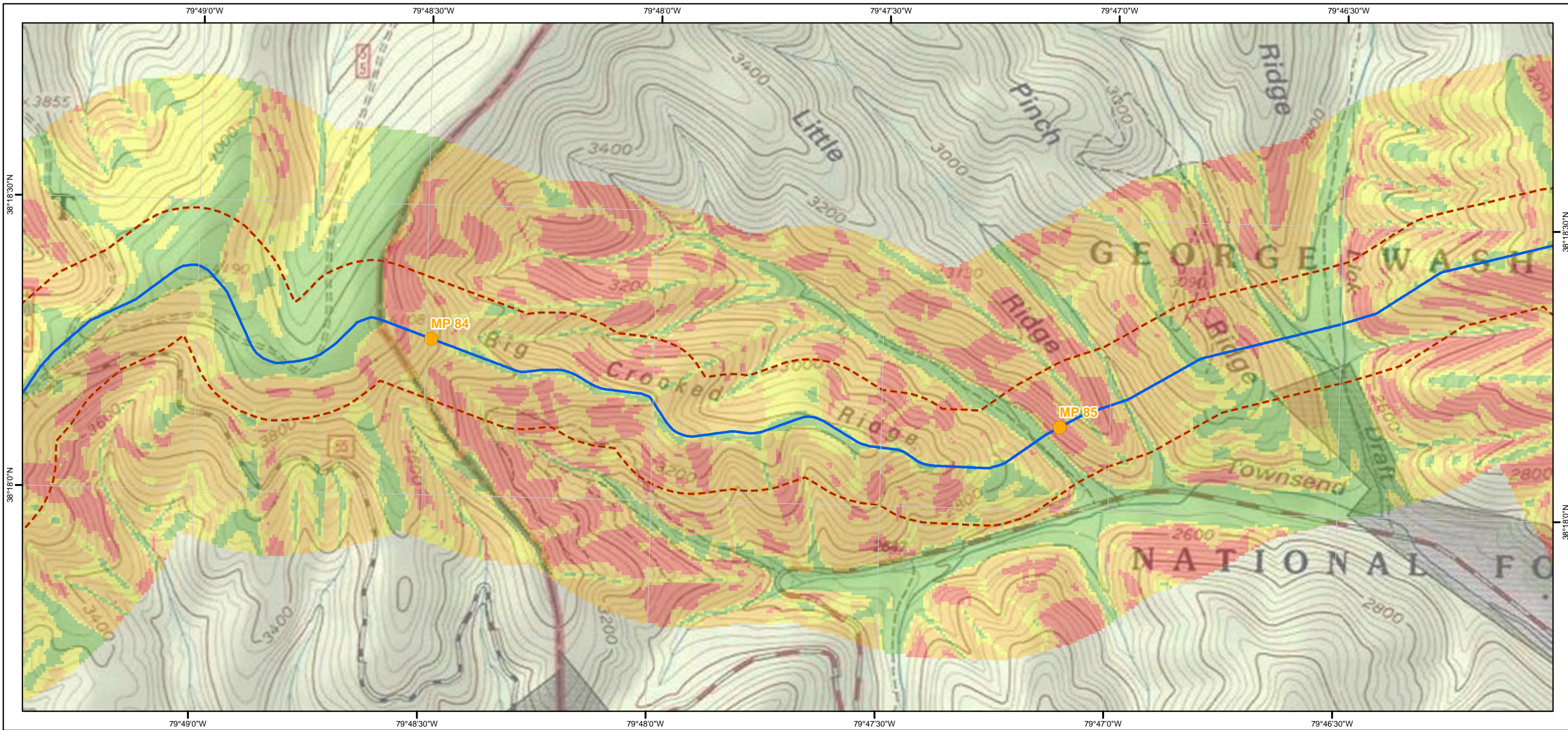
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion

Geosyntec

consultants

TESSELLATIONS

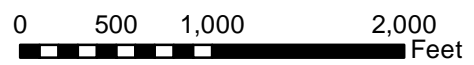


Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
-
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 46 of 216

1:12,000



Document Information:

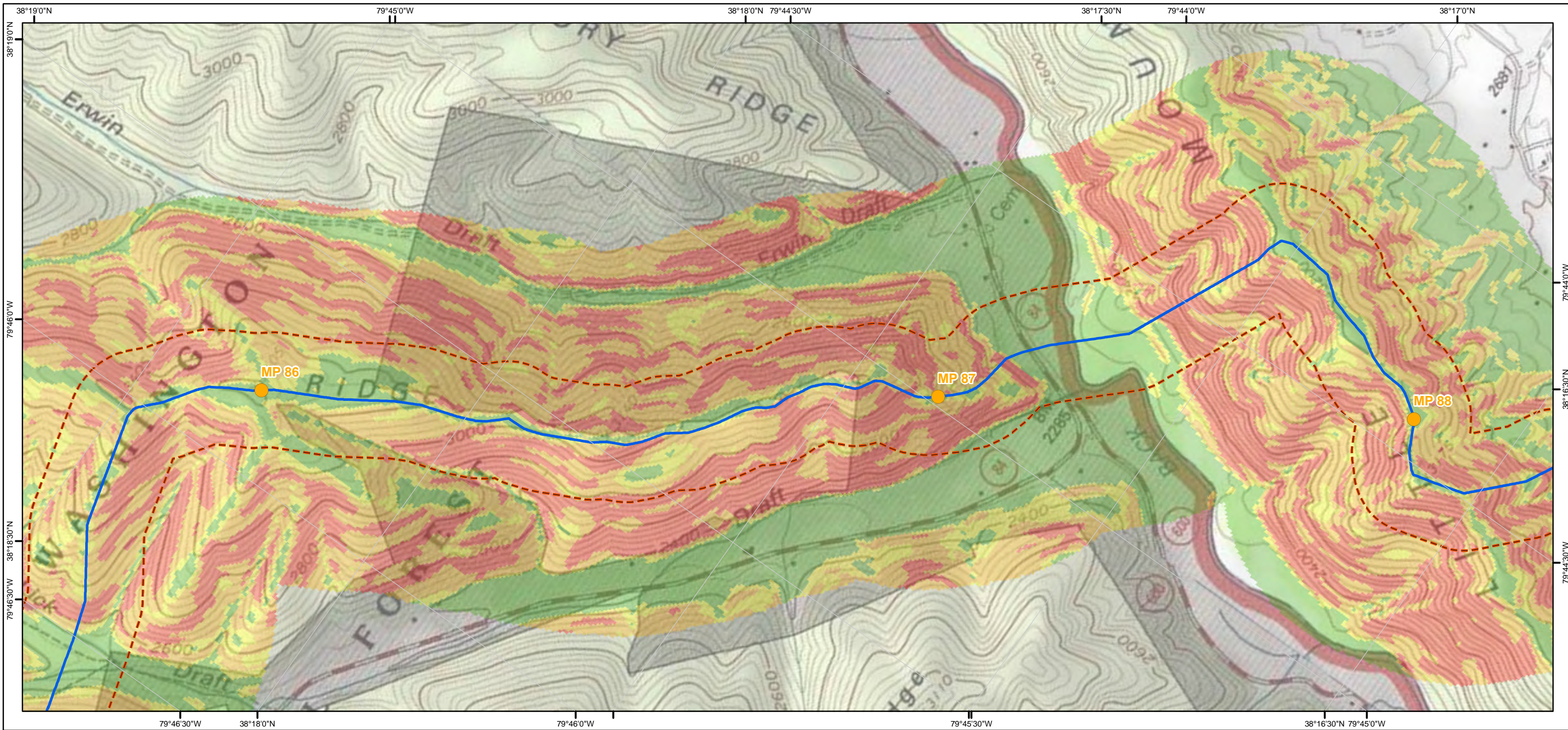
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING

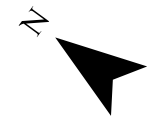
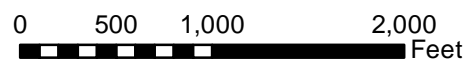


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 47 of 216

1:12,000



Document Information:

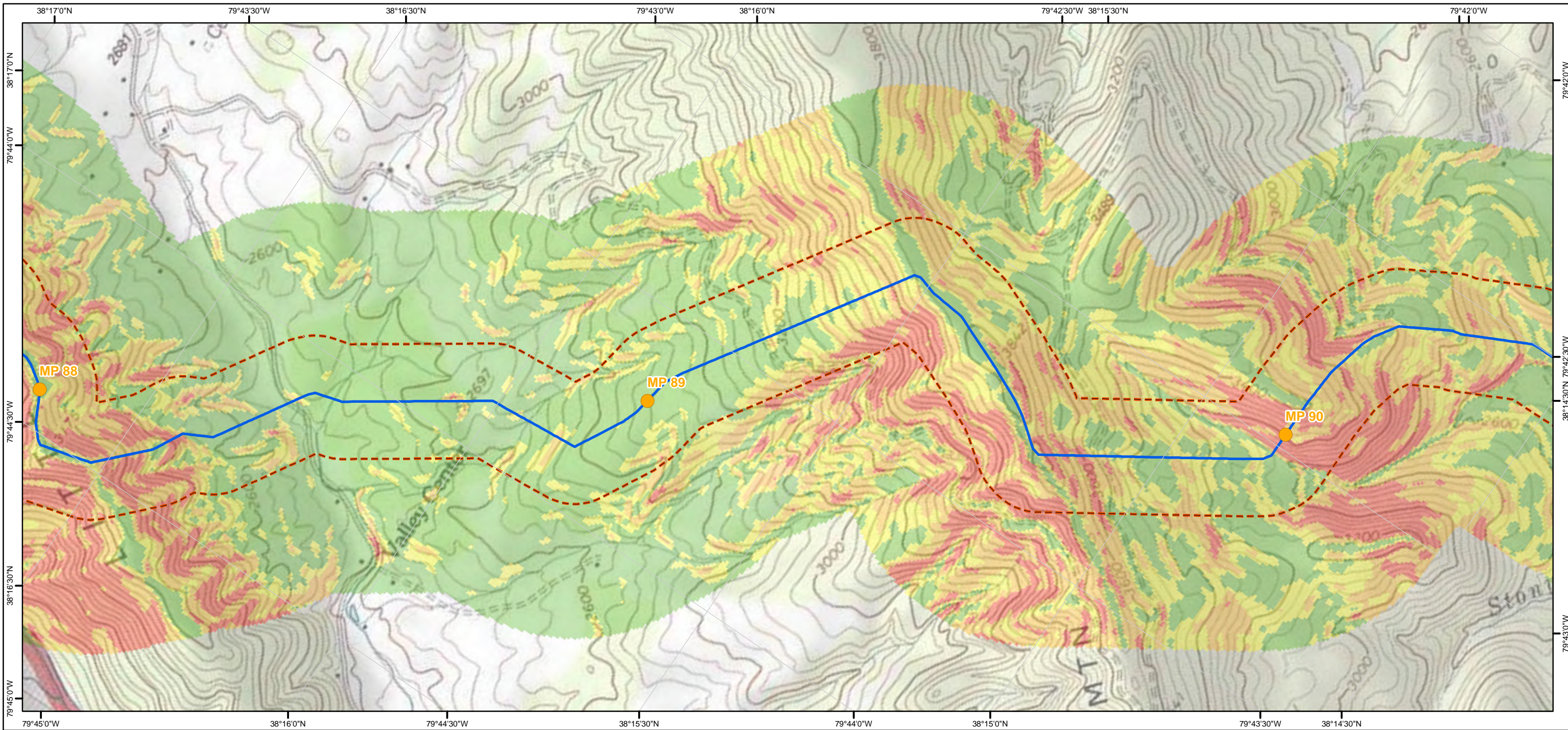
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING



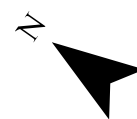
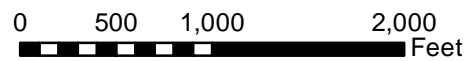
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 48 of 216

1:12,000



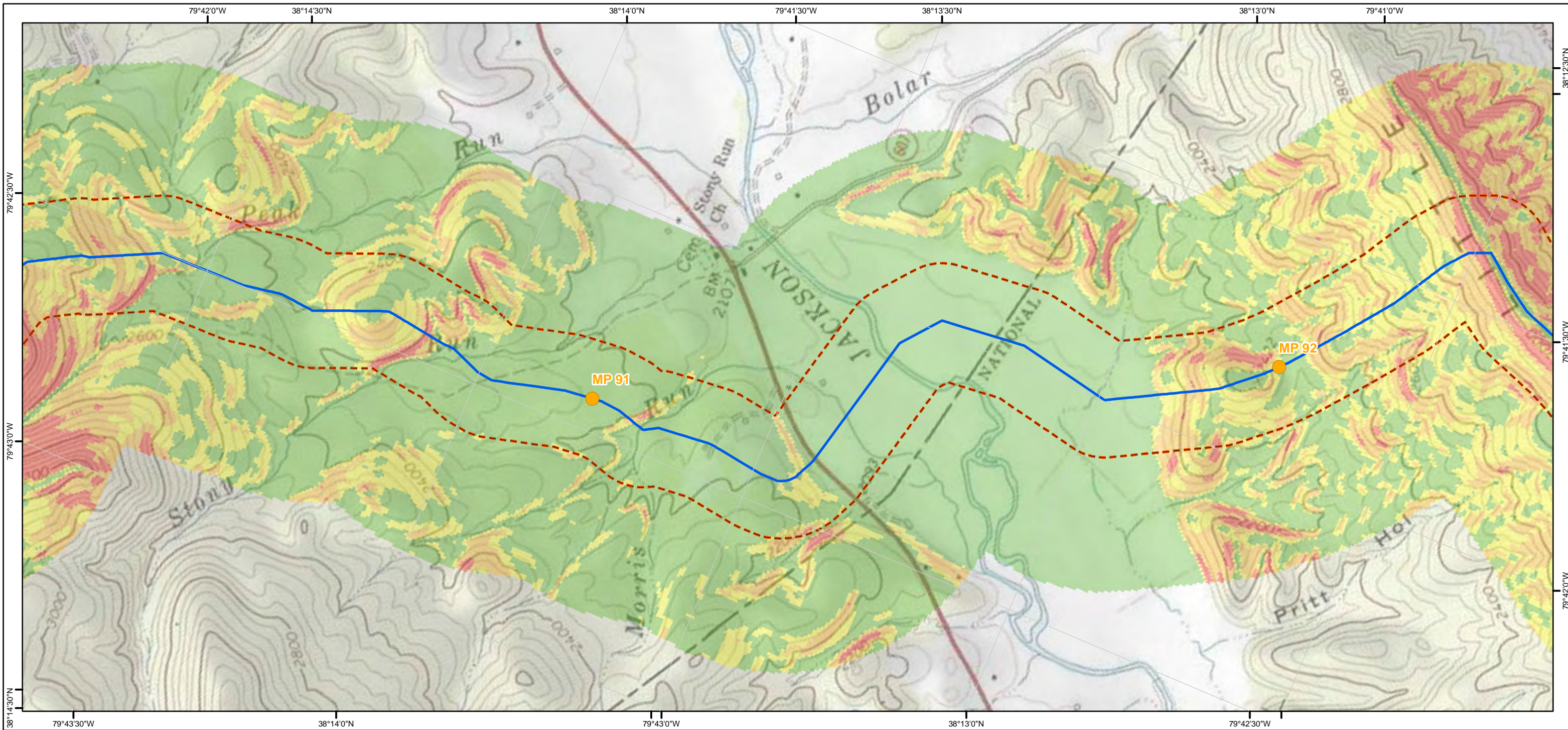
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



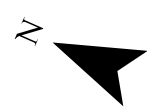
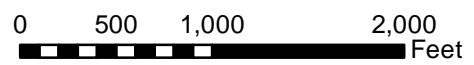
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 49 of 216

1:12,000



Document Information:

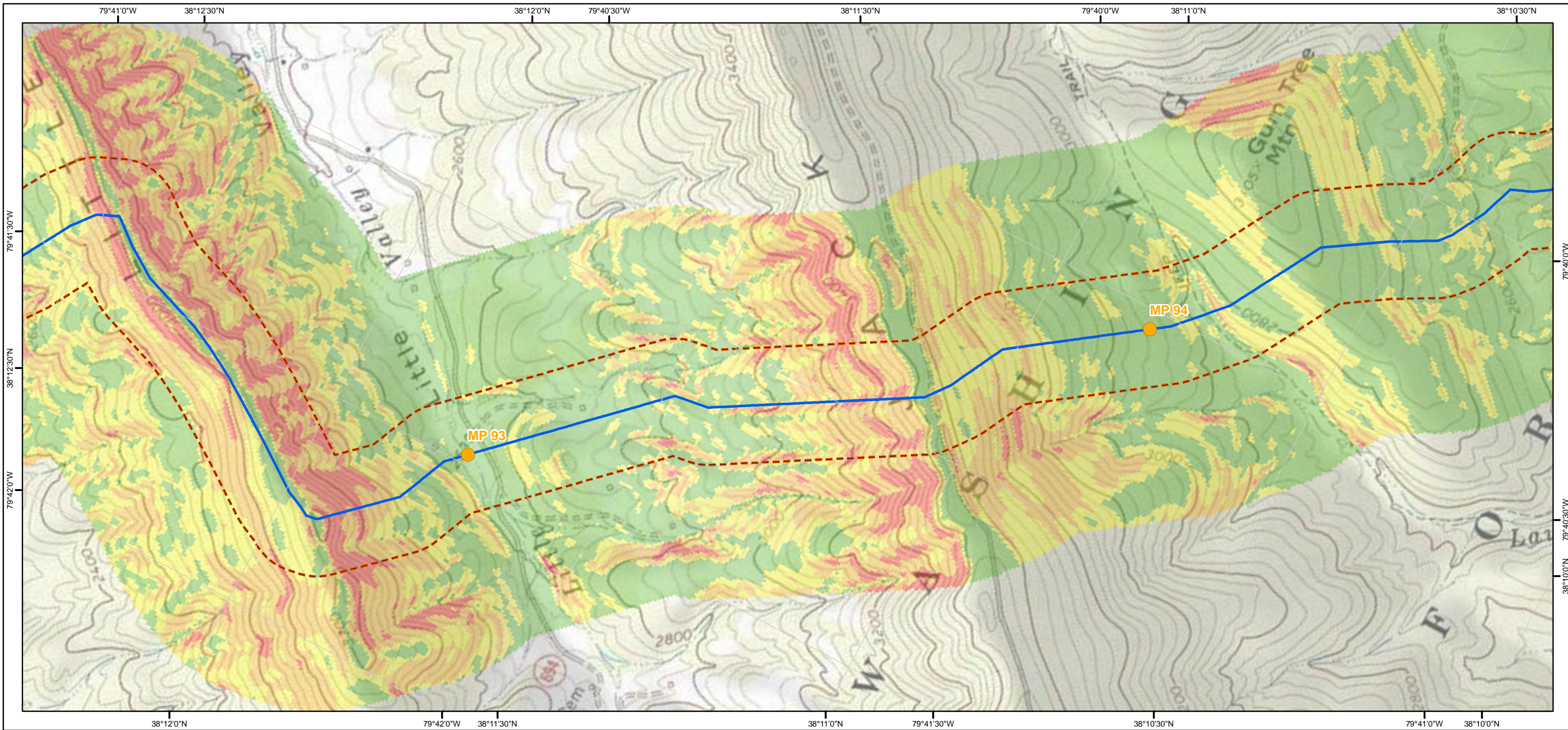
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 50 of 216

1:12,000

0 500 1,000 2,000

Feet

Document Information:

Document No: DOM_EC_SUB_MA_SER001

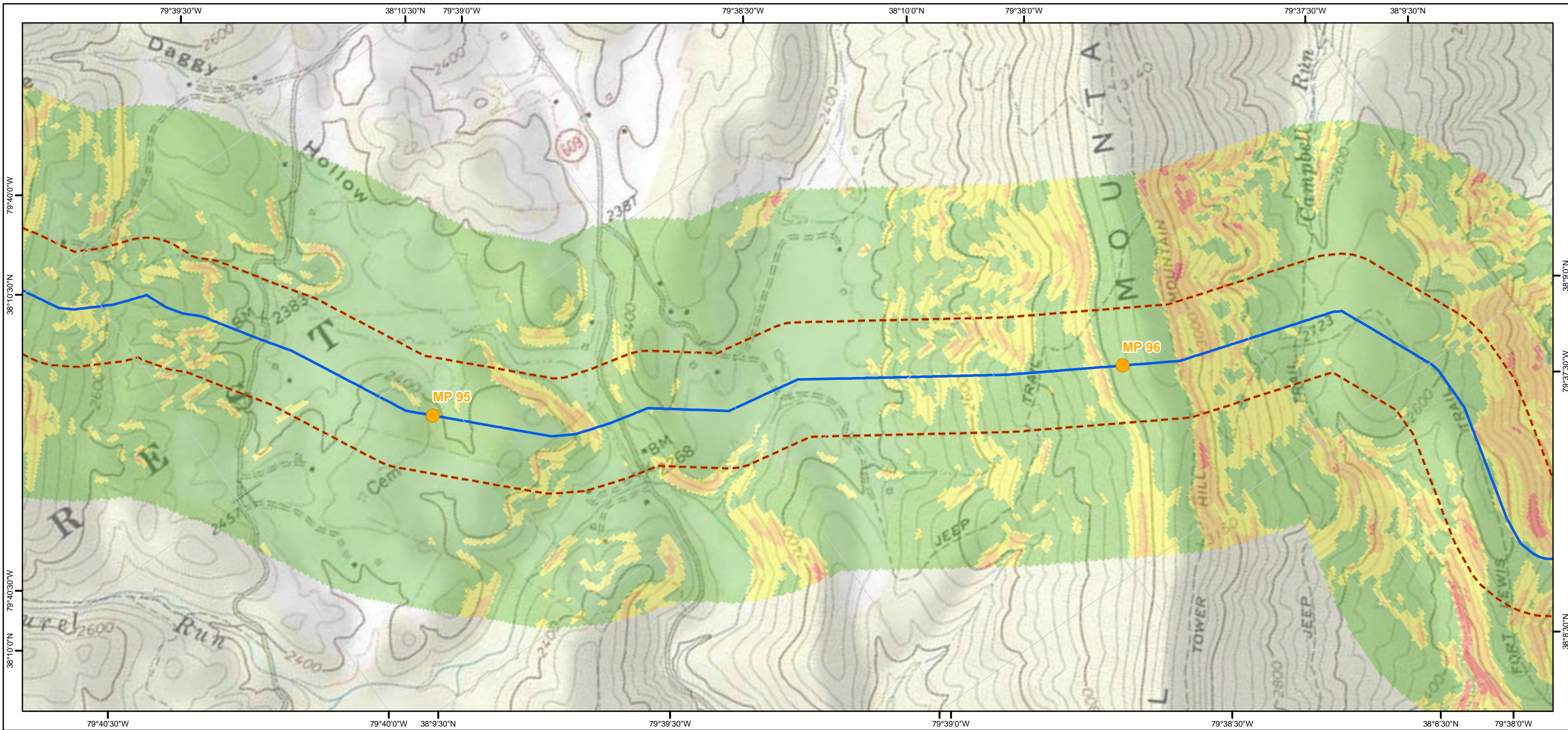
Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSE **ATIONS**



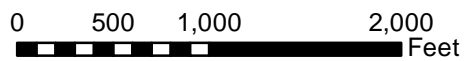
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 51 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

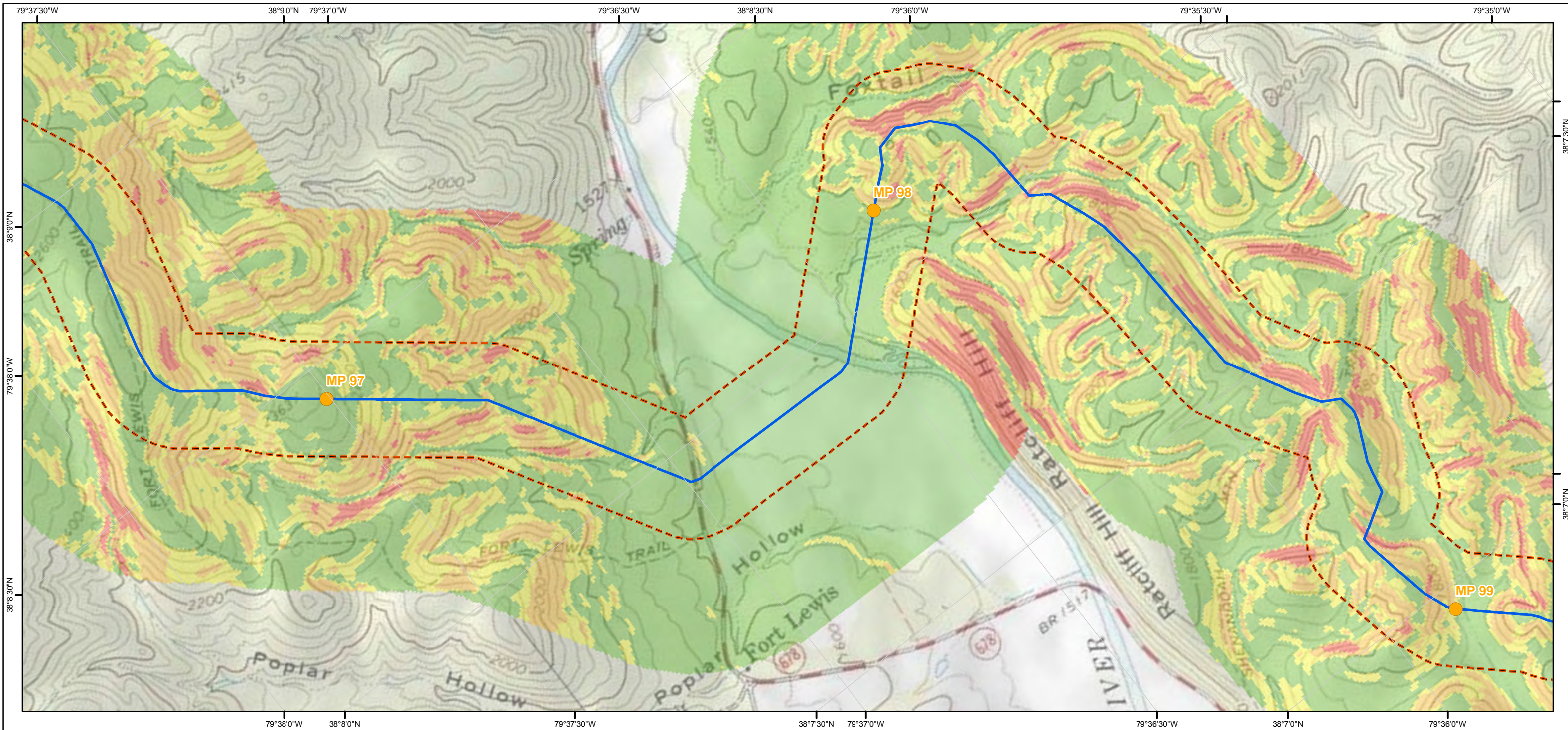


Dominion

Geosyntec

consultants

TESSE **ATIONS**

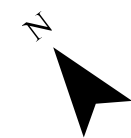
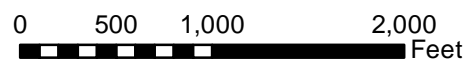


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 52 of 216

1:12,000



Document Information:

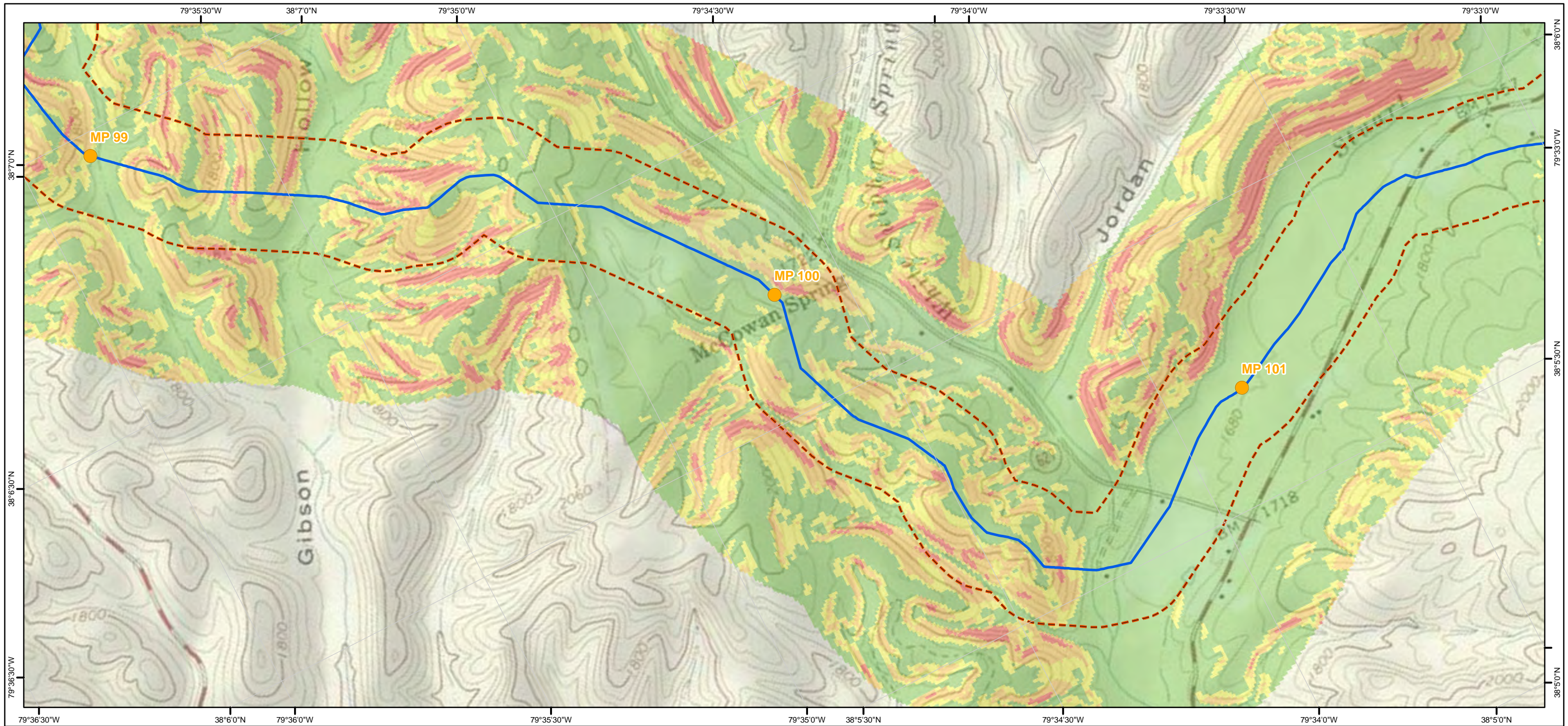
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSERATIONS



Legend

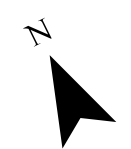
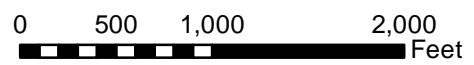
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 53 of 216

1:12,000



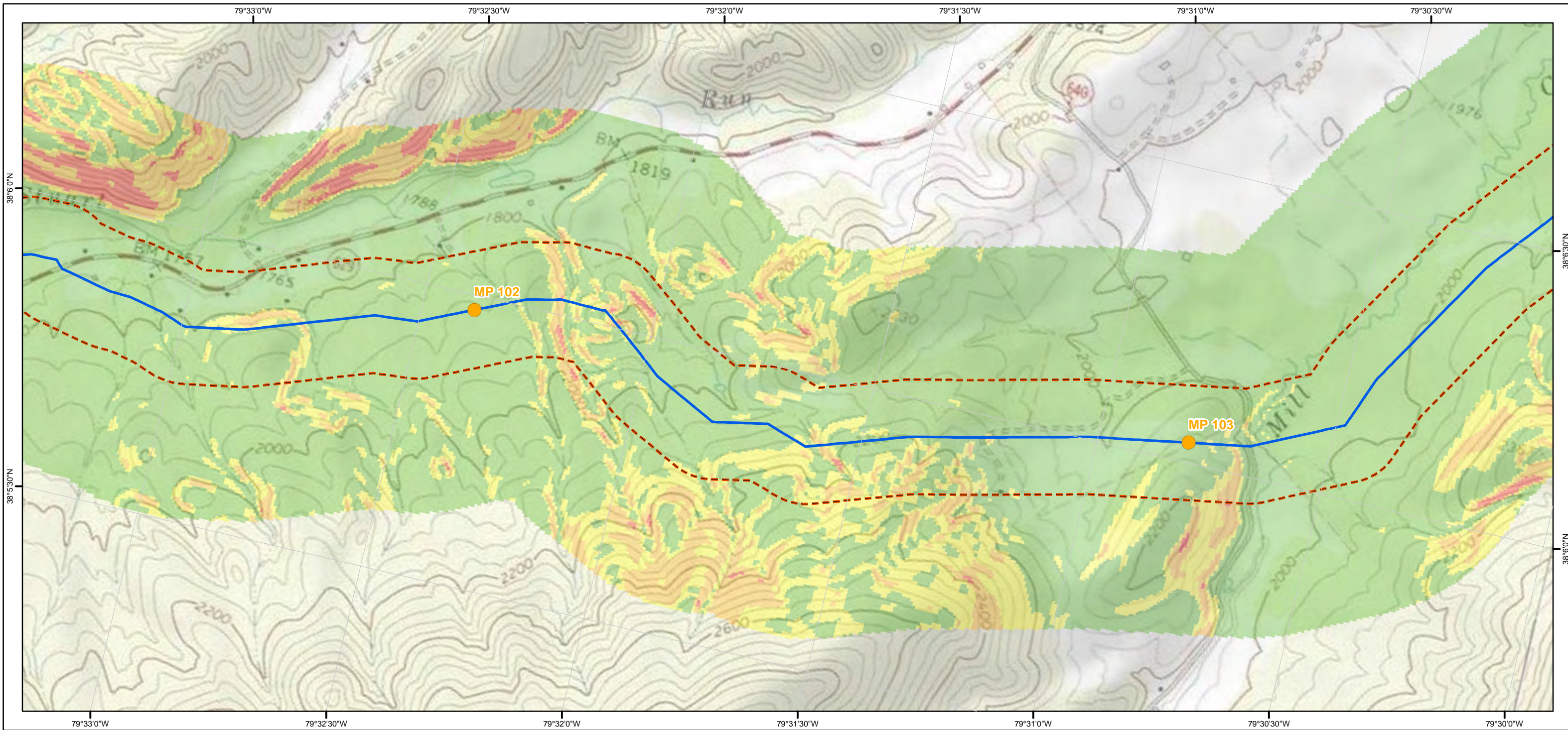
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

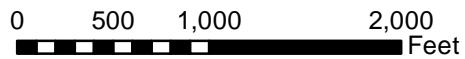


Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 54 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

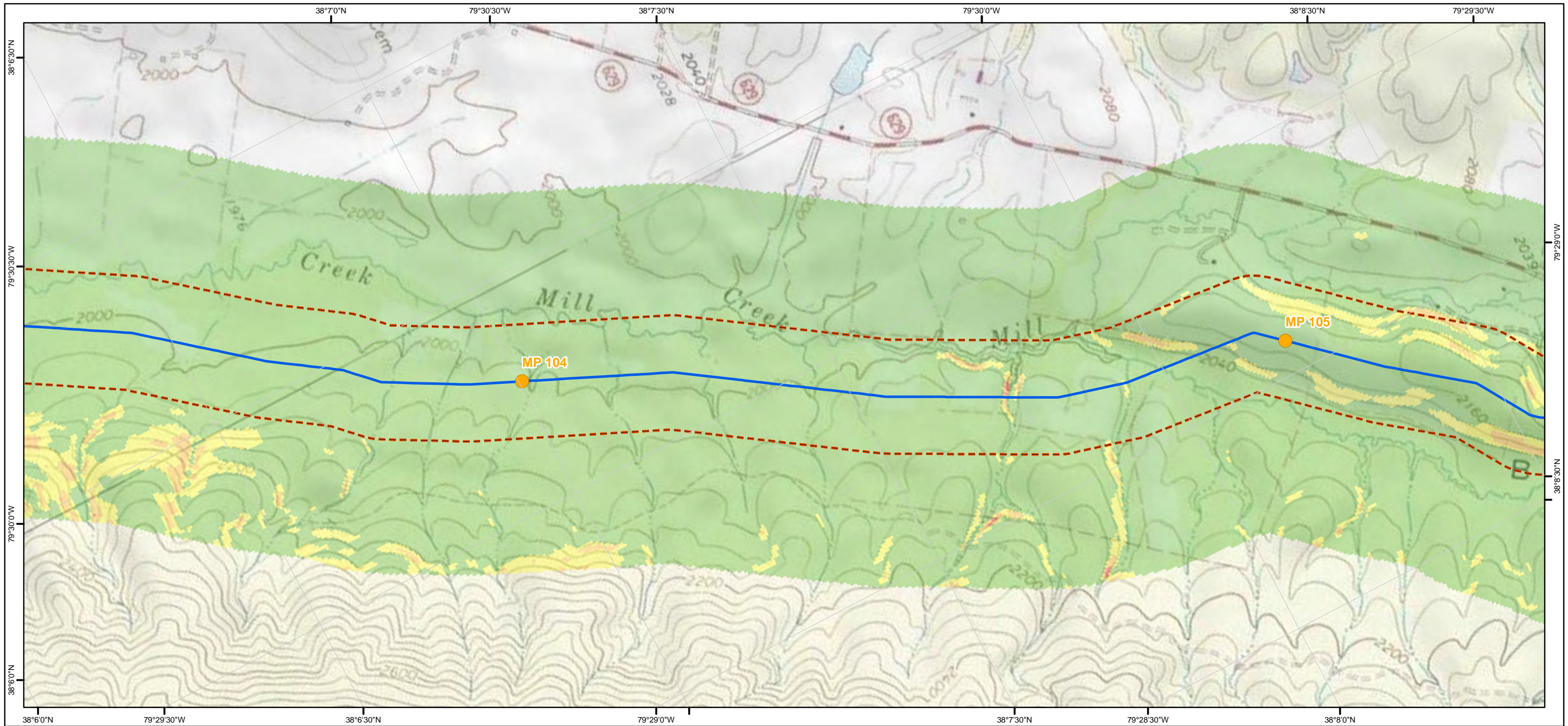


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 55 of 216

1:12,000

0 500 1,000 2,000
Feet

Document Information:

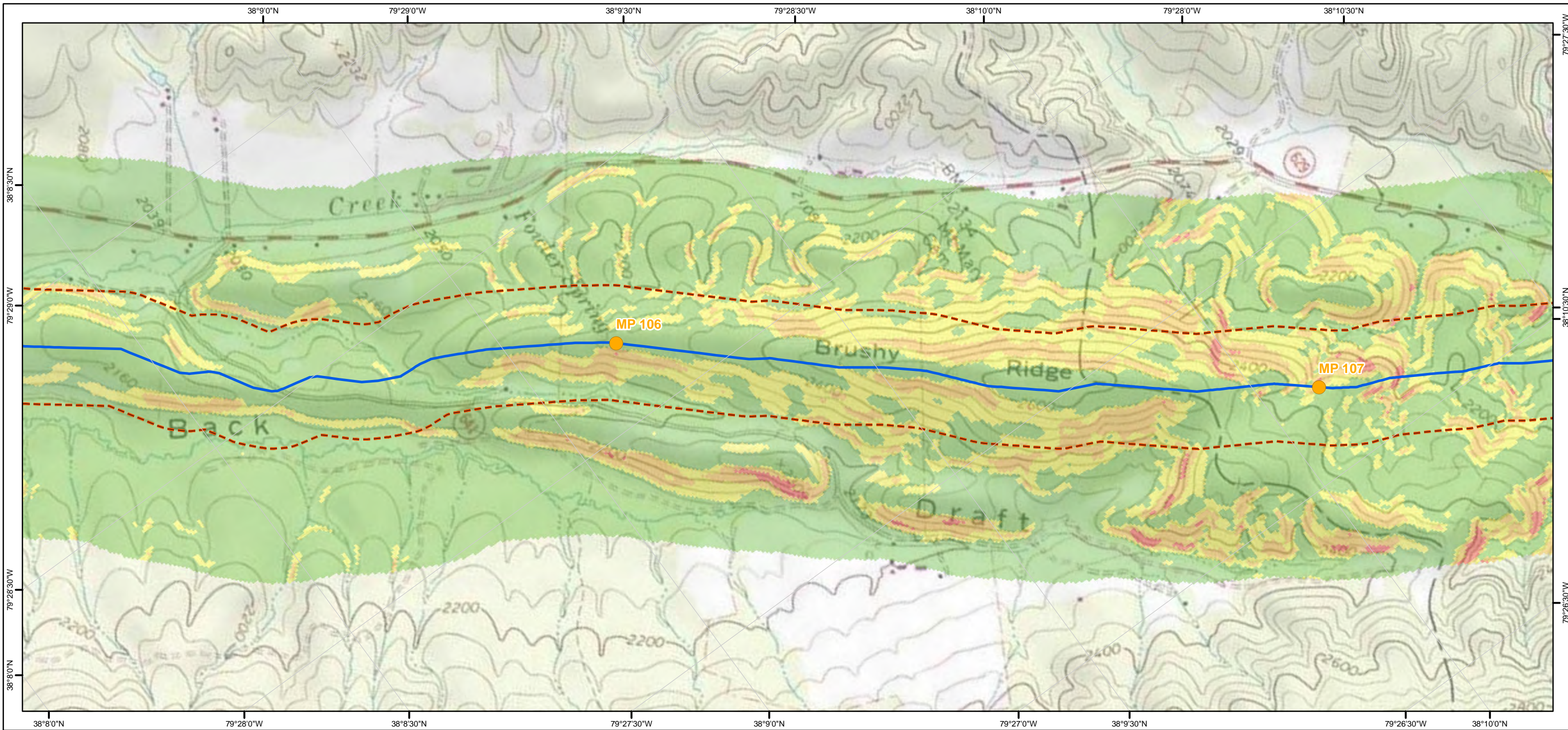
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSE **TIONS**



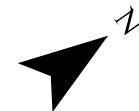
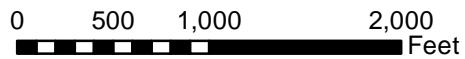
Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 56 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

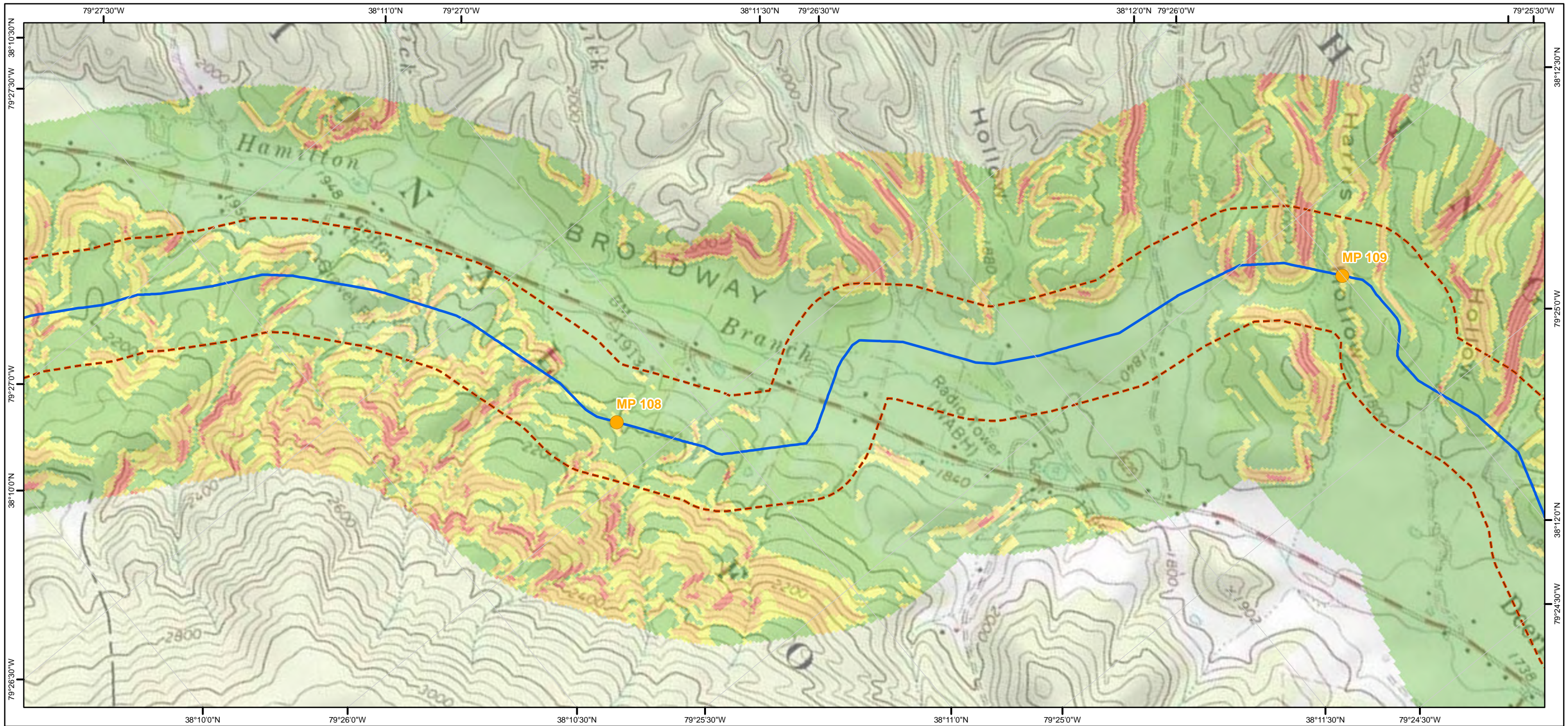


Dominion

Geosyntec

consultants

TESSE **ATIONS**



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 57 of 216

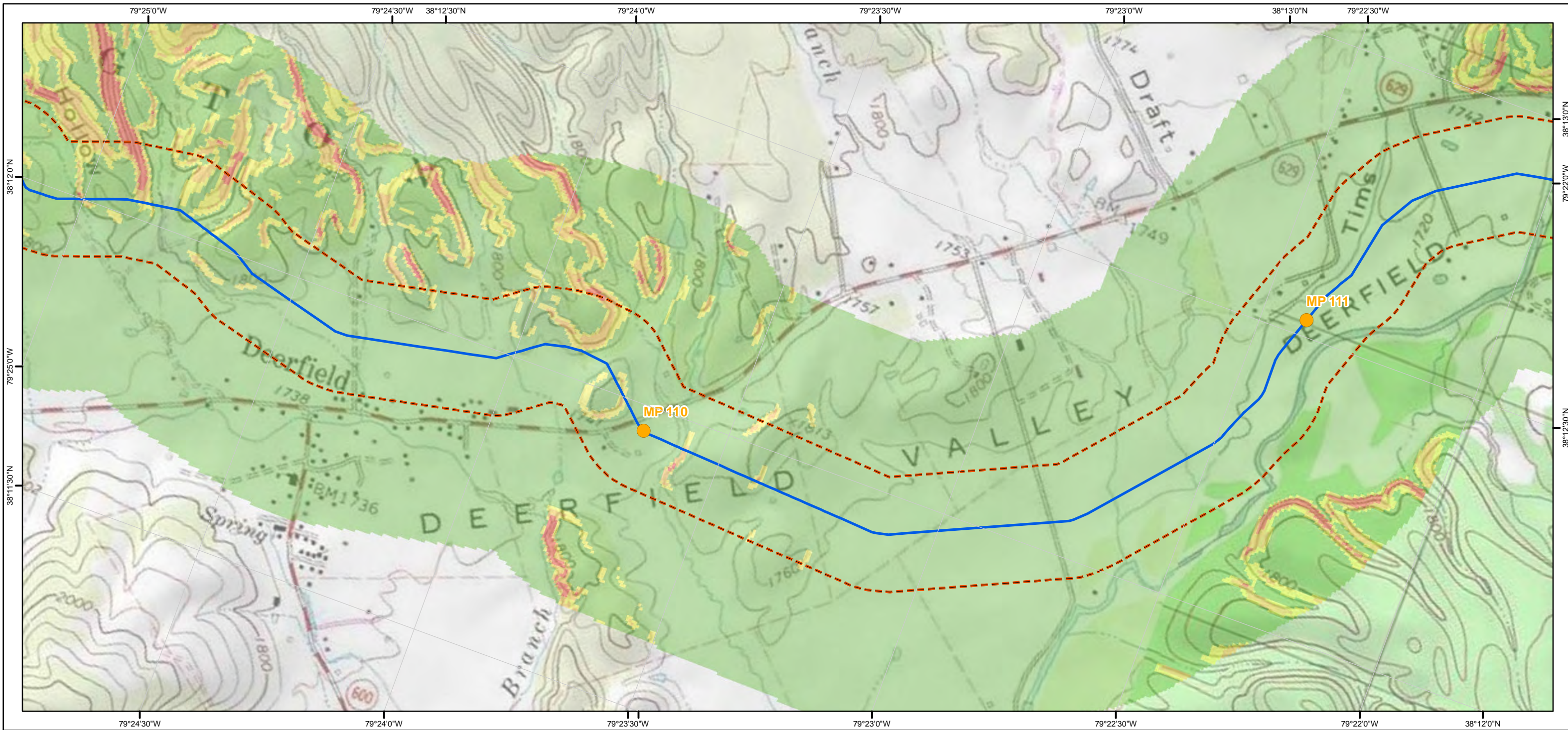


Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

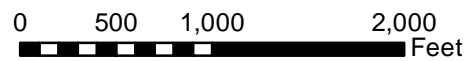
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 58 of 216

1:12,000



Document Information:

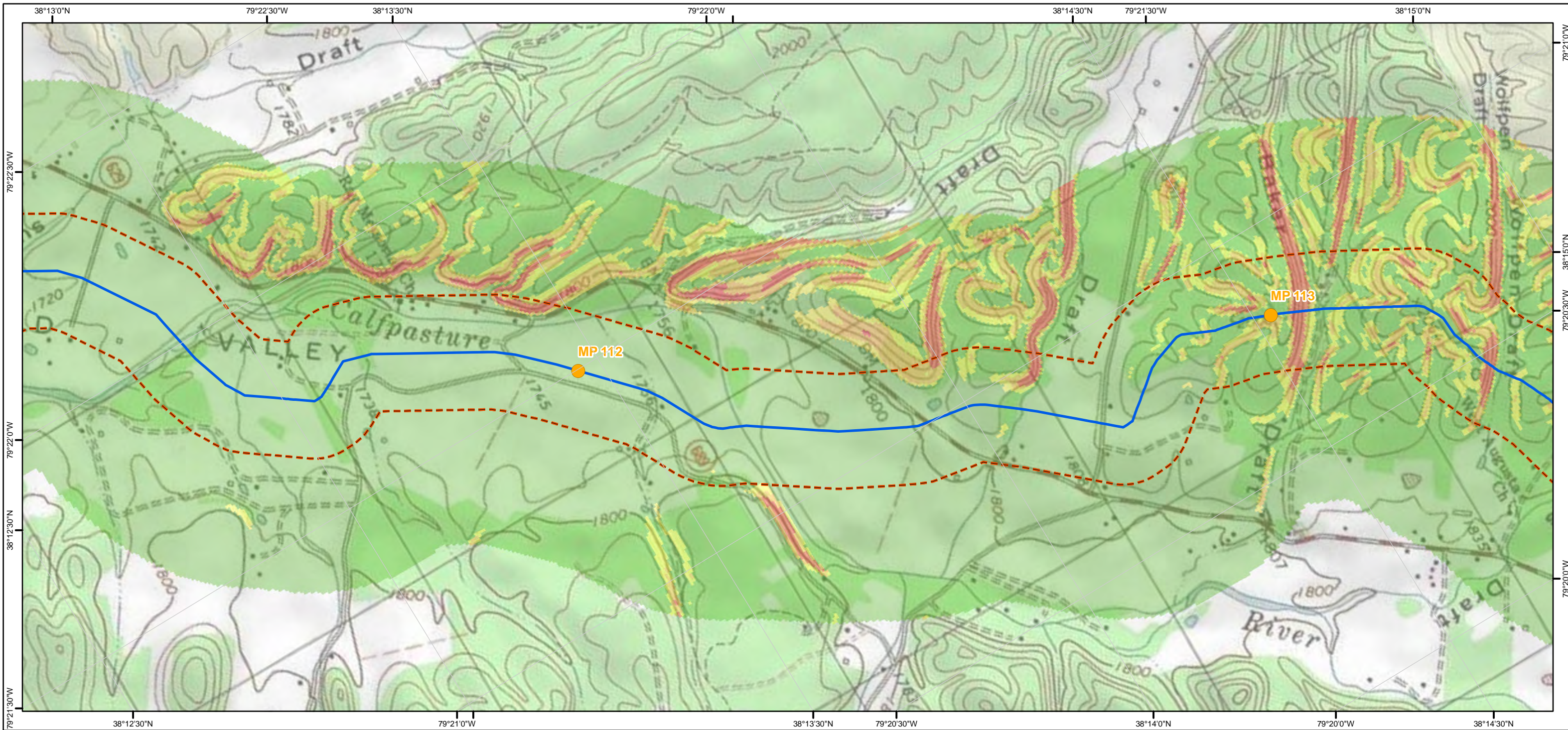
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





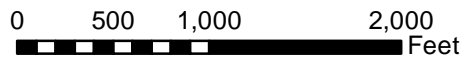
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 59 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

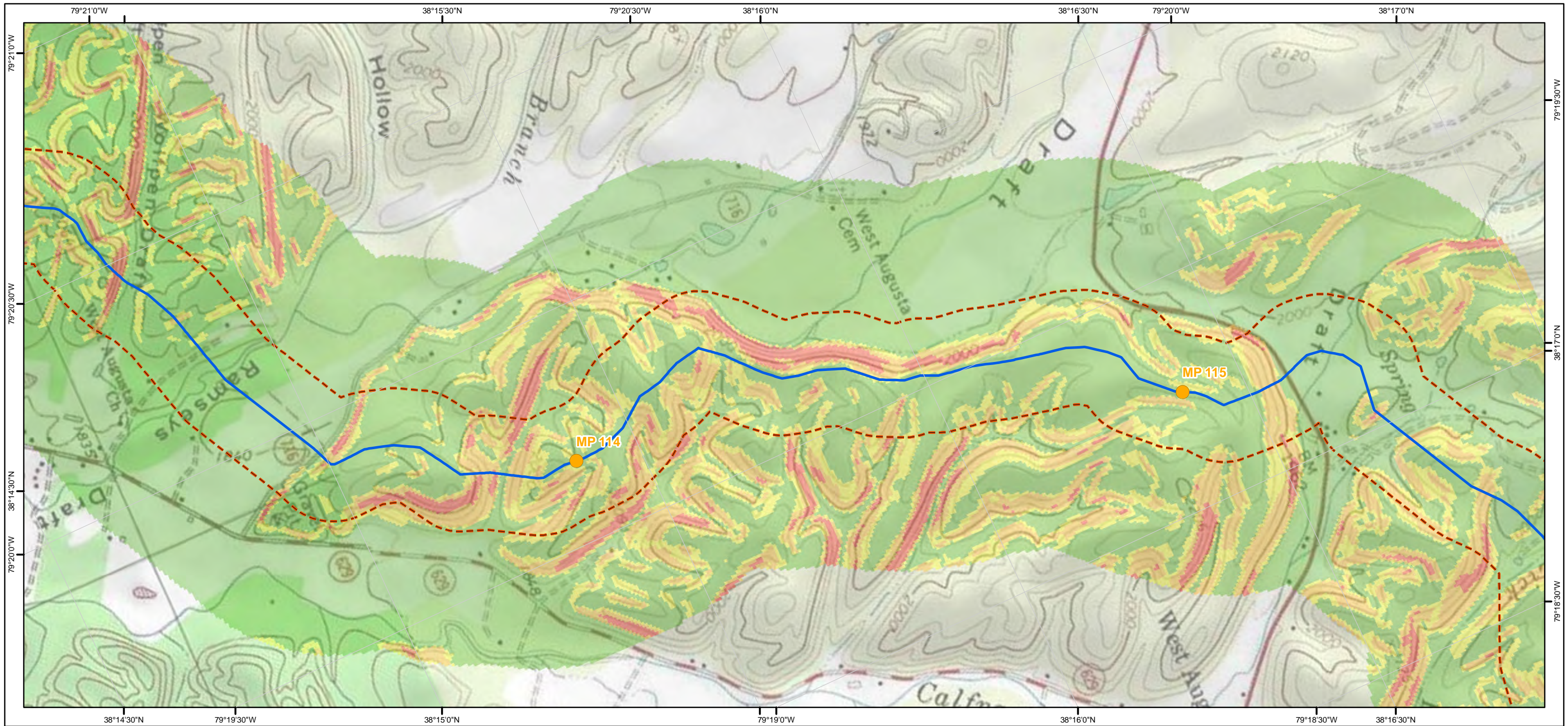
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Dominion[®]
Geosyntec

consultants

TESSE
▲▲▲
ATIONS



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project

Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 60 of 216

1:12,000

0 500 1,000 2,000

Feet

Document Information:

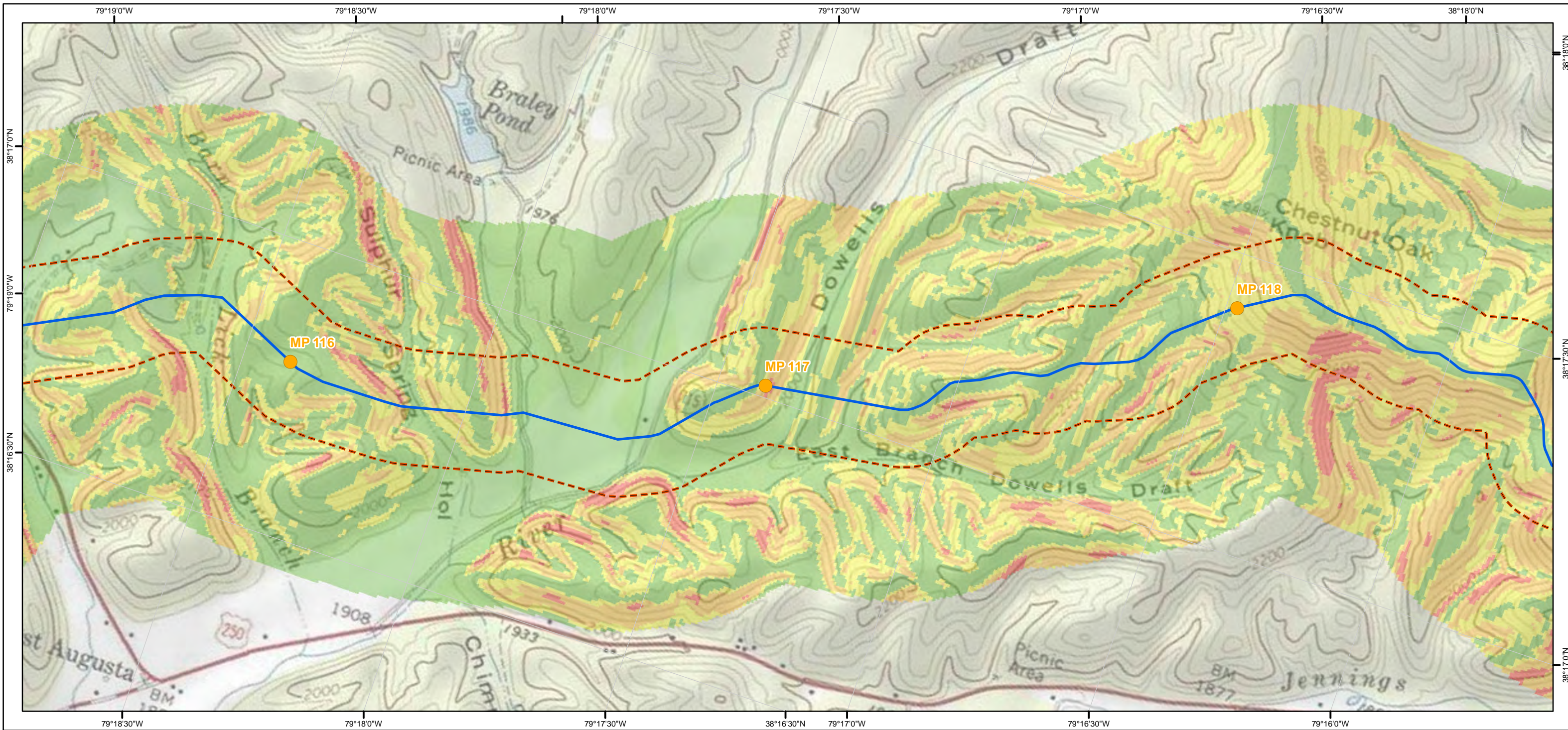
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

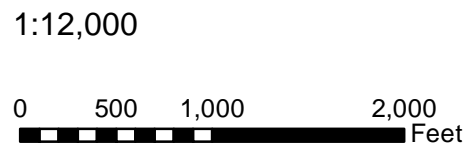
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

TESSE
▲▲▲
ATIONS



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 61 of 216



Document Information:

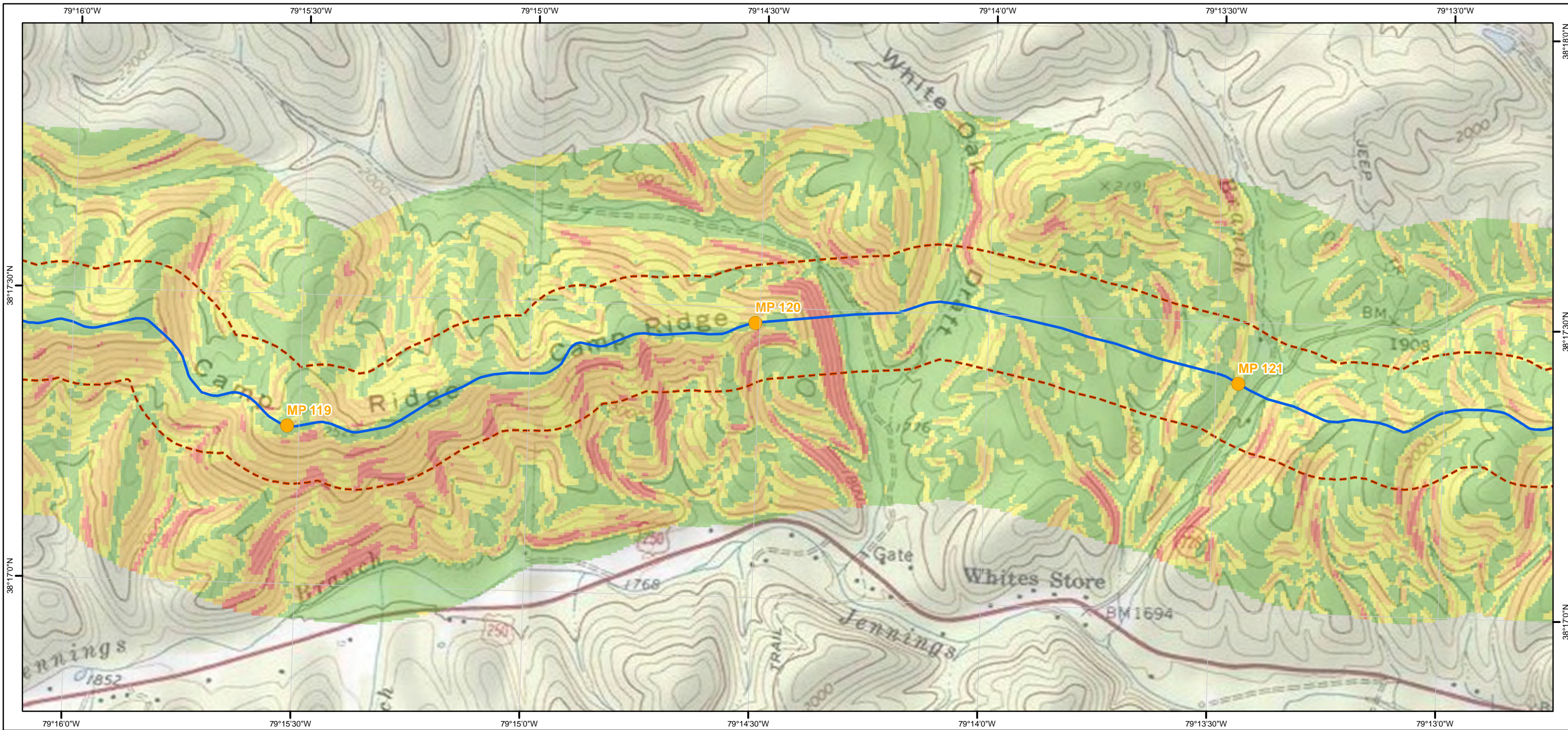
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE CONSULTANTS



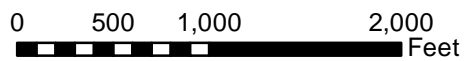
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 62 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

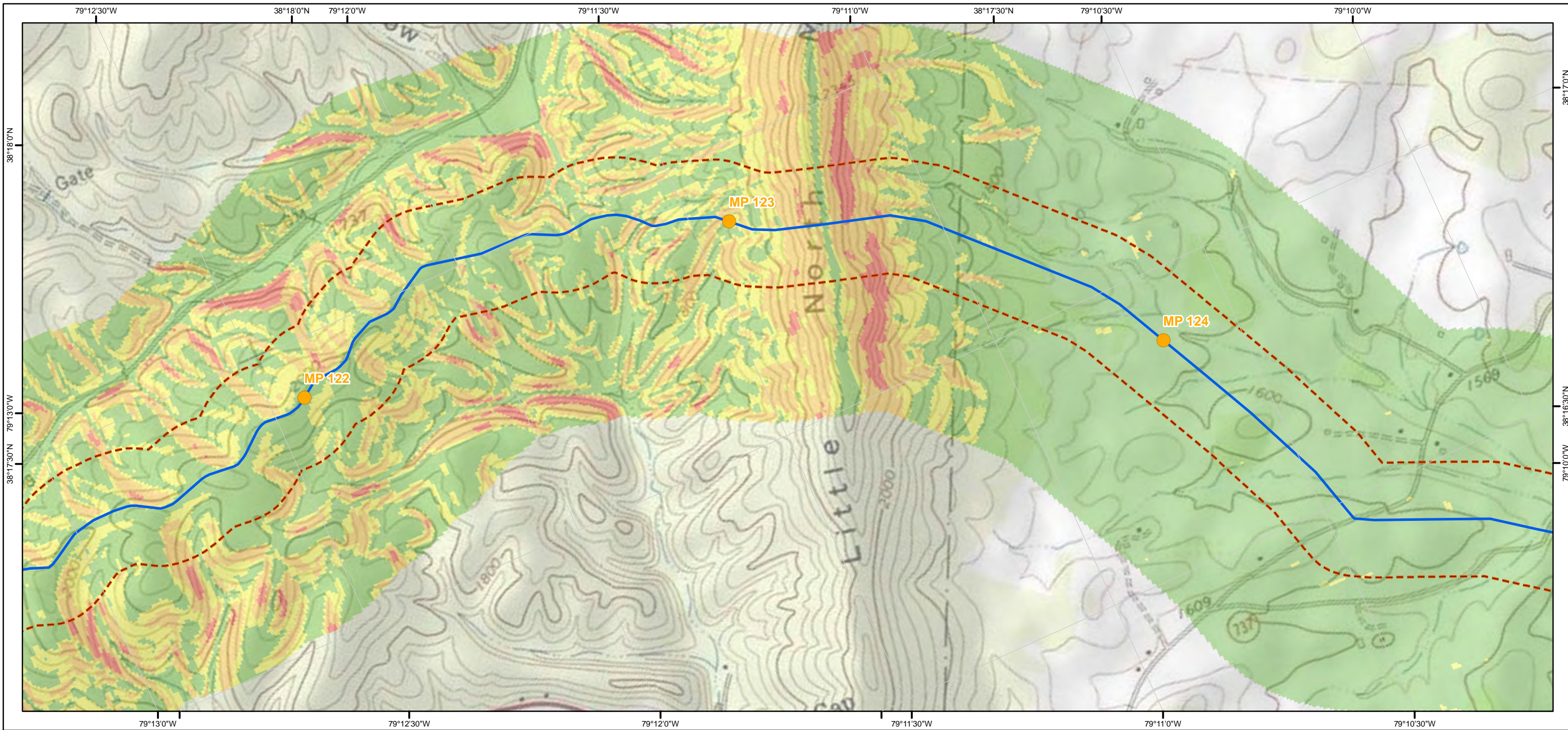
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Dominion[®]
Geosyntec

consultants

TESSE
▲▲▲
ATIONS



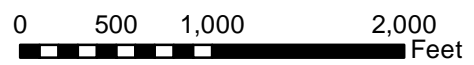
Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 63 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

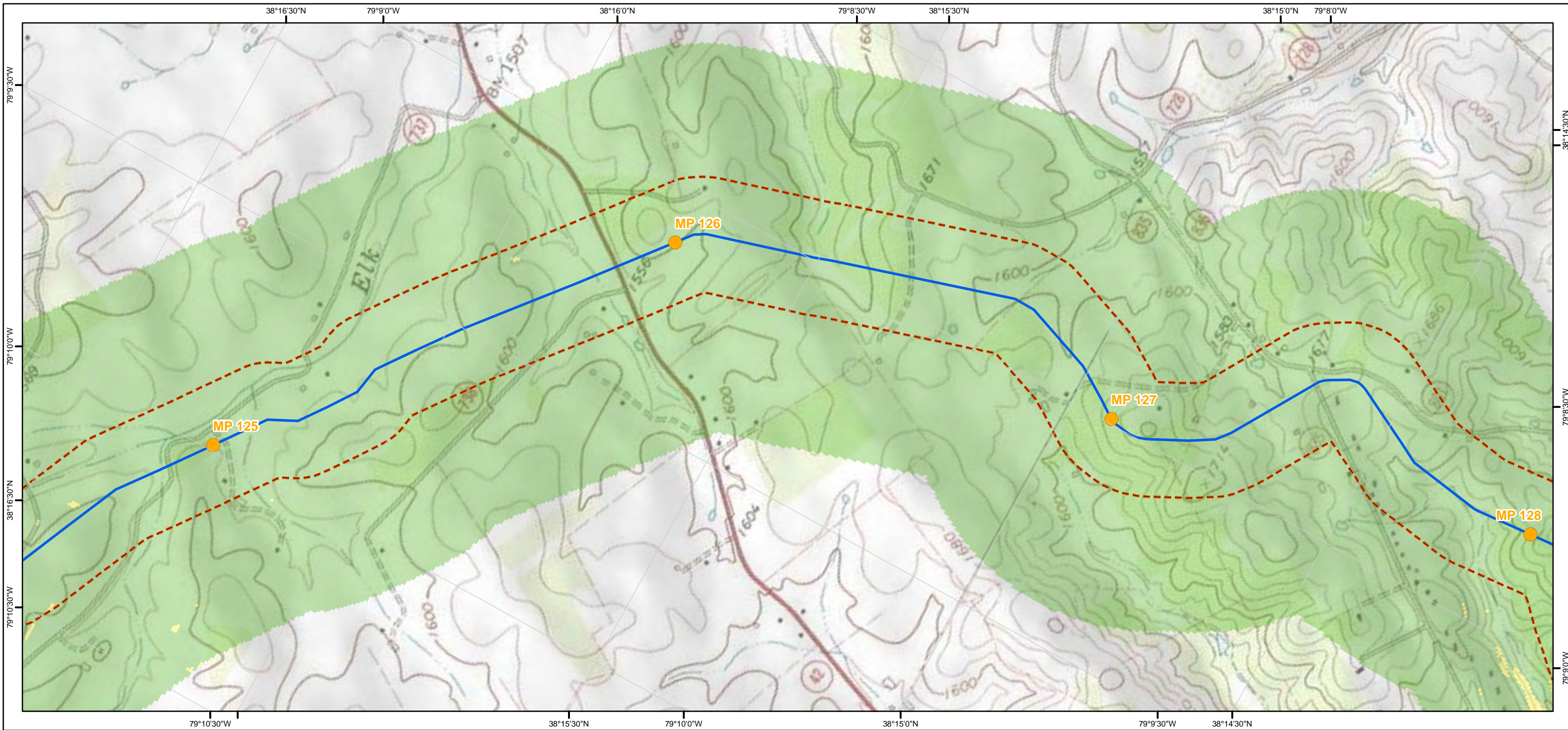
Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSE **CONSULTANTS**



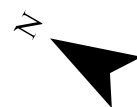
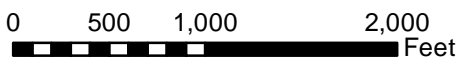
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 64 of 216

1:12,000



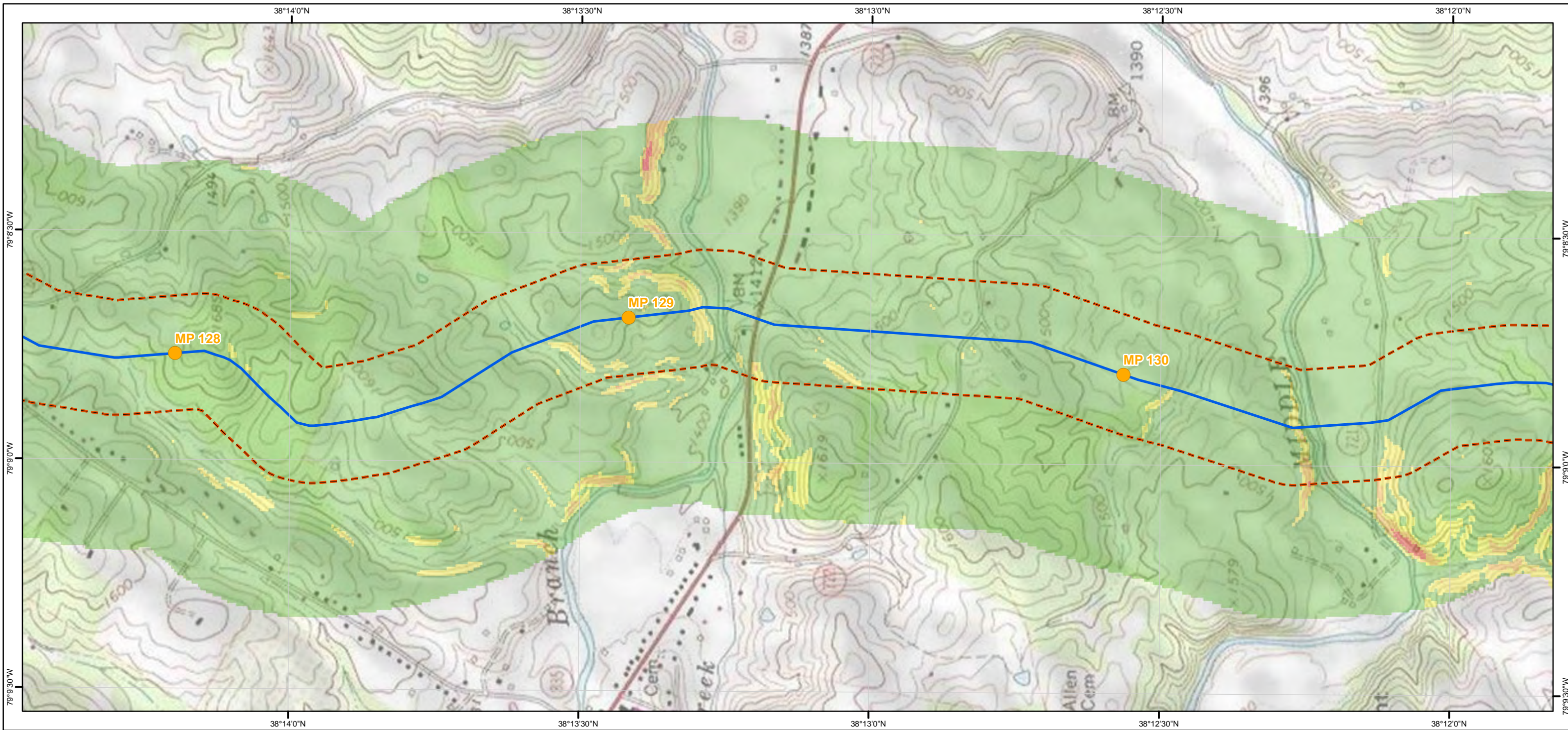
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



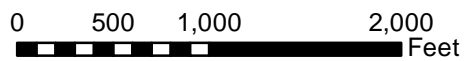
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 65 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

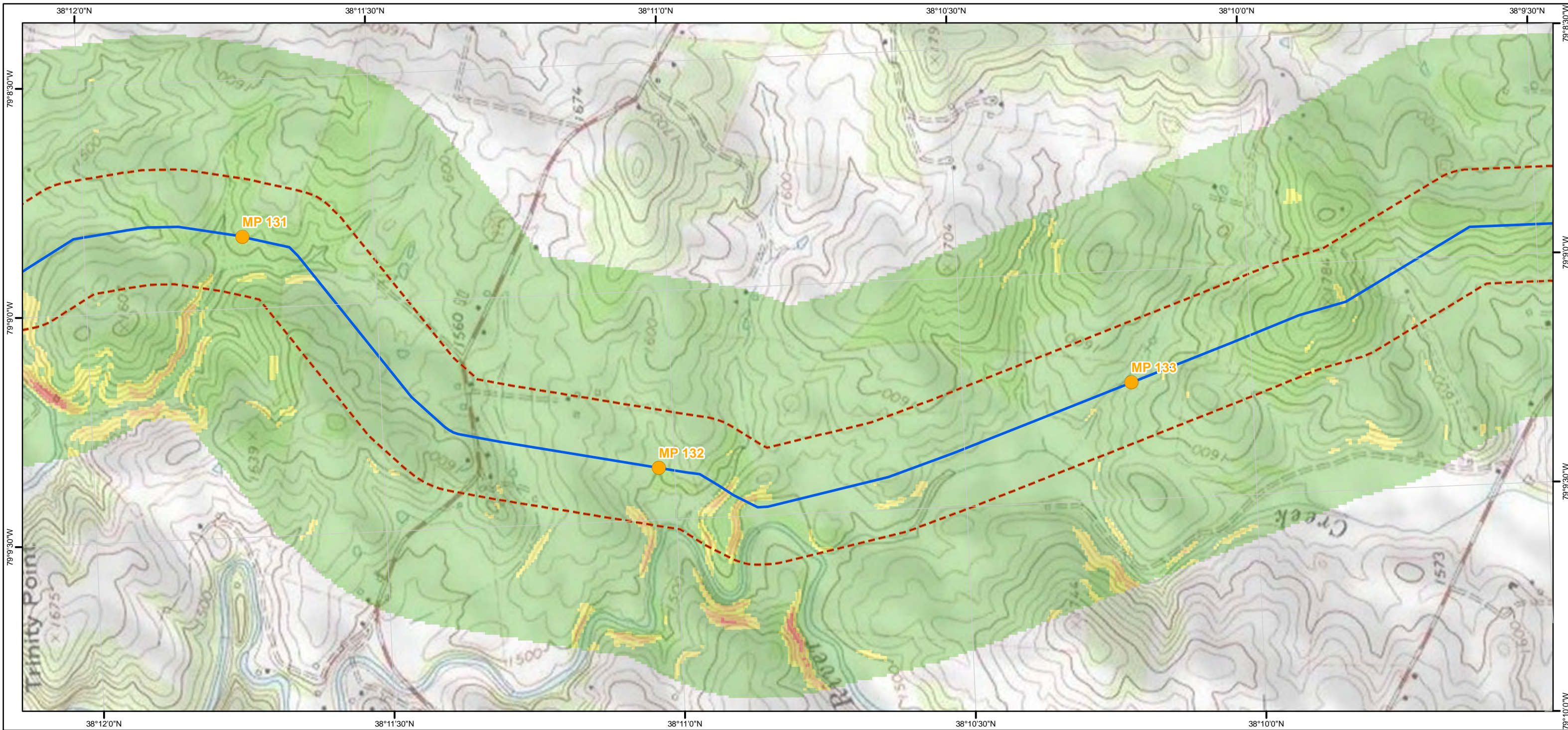


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

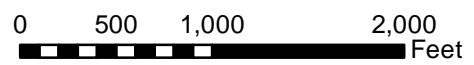
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 66 of 216

1:12,000



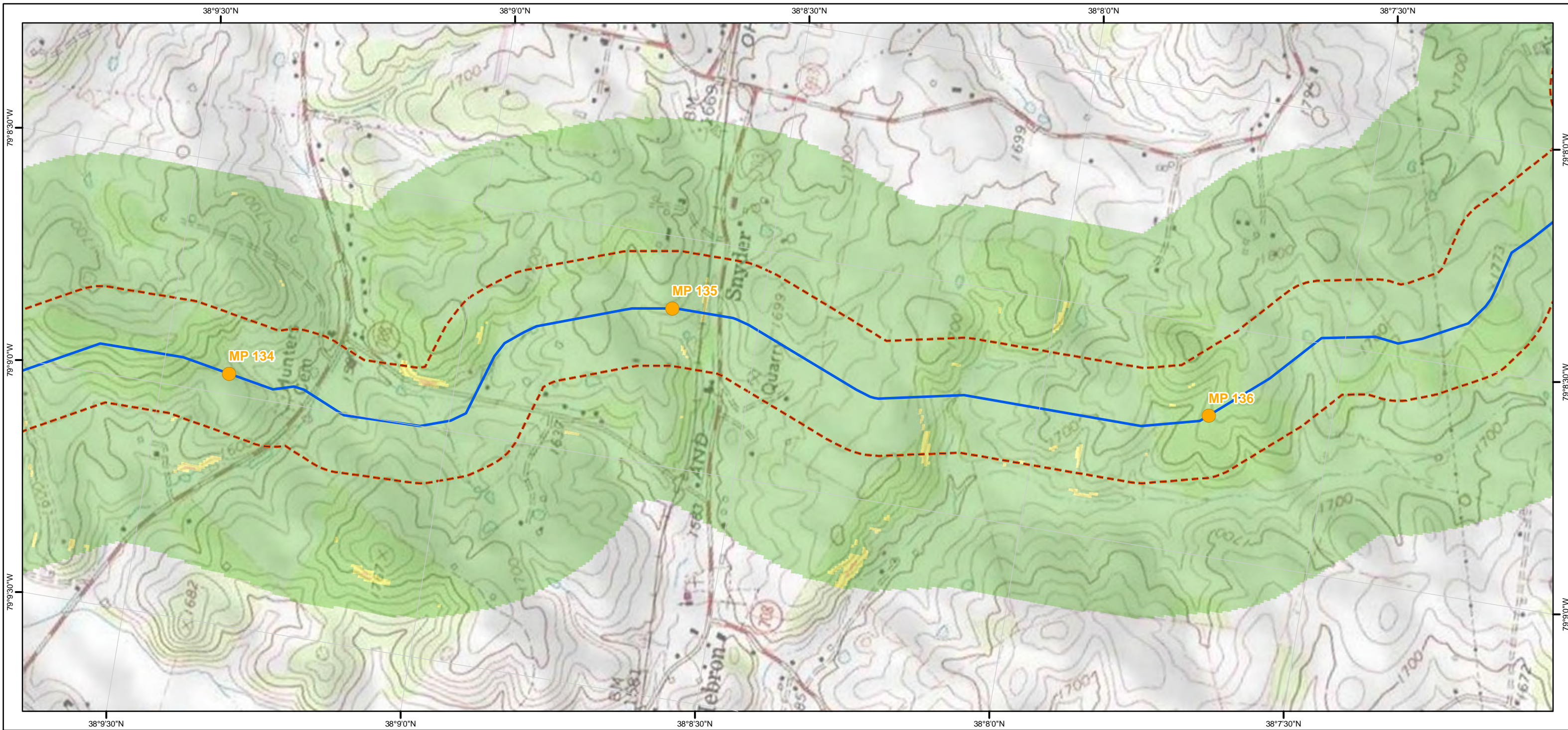
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



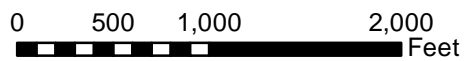
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 67 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

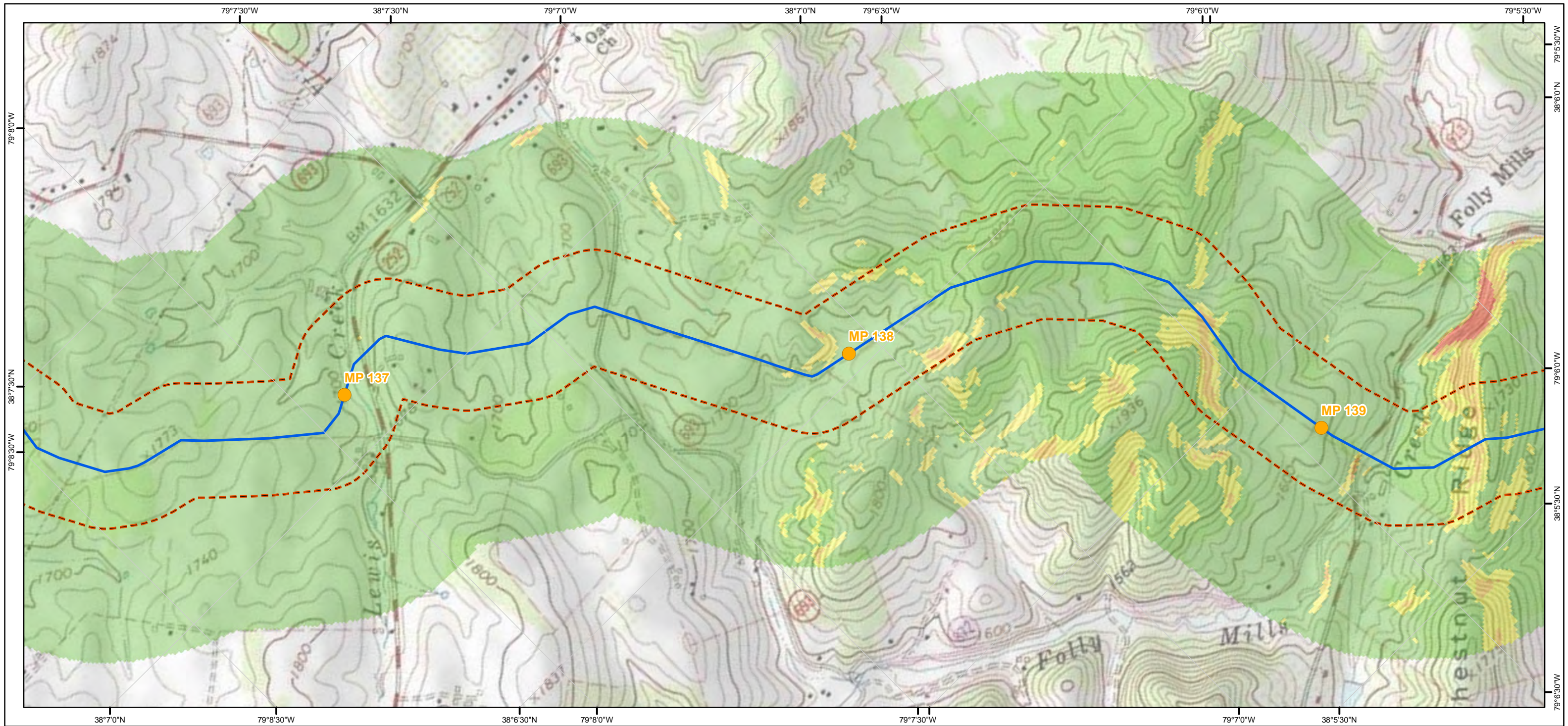
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Dominion[®]
Geosyntec

consultants

TESSE
▲▲▲
ATIONS



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project

Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 68 of 216

1:12,000

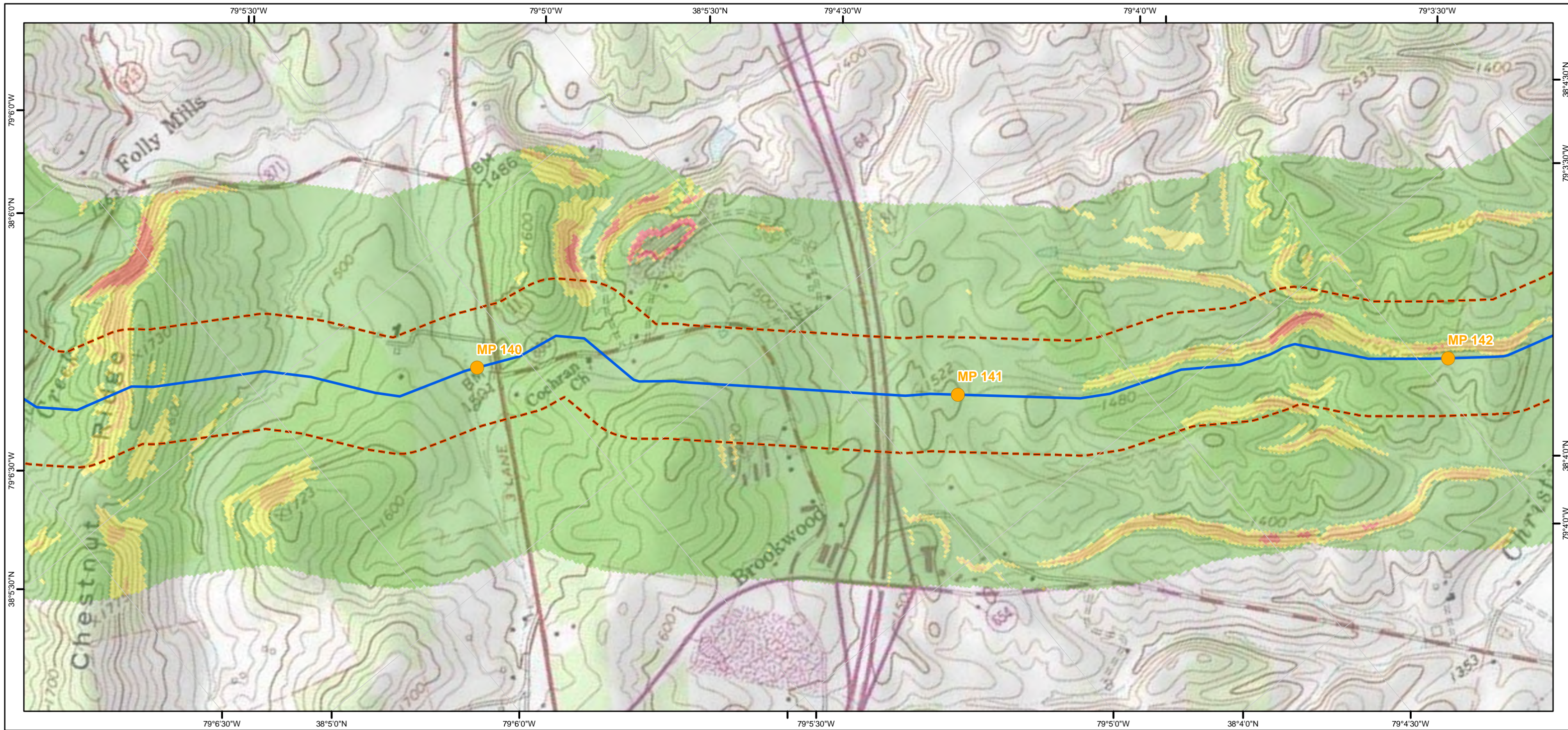
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

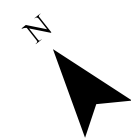
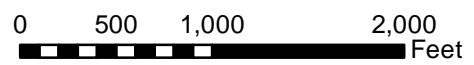
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 69 of 216

1:12,000



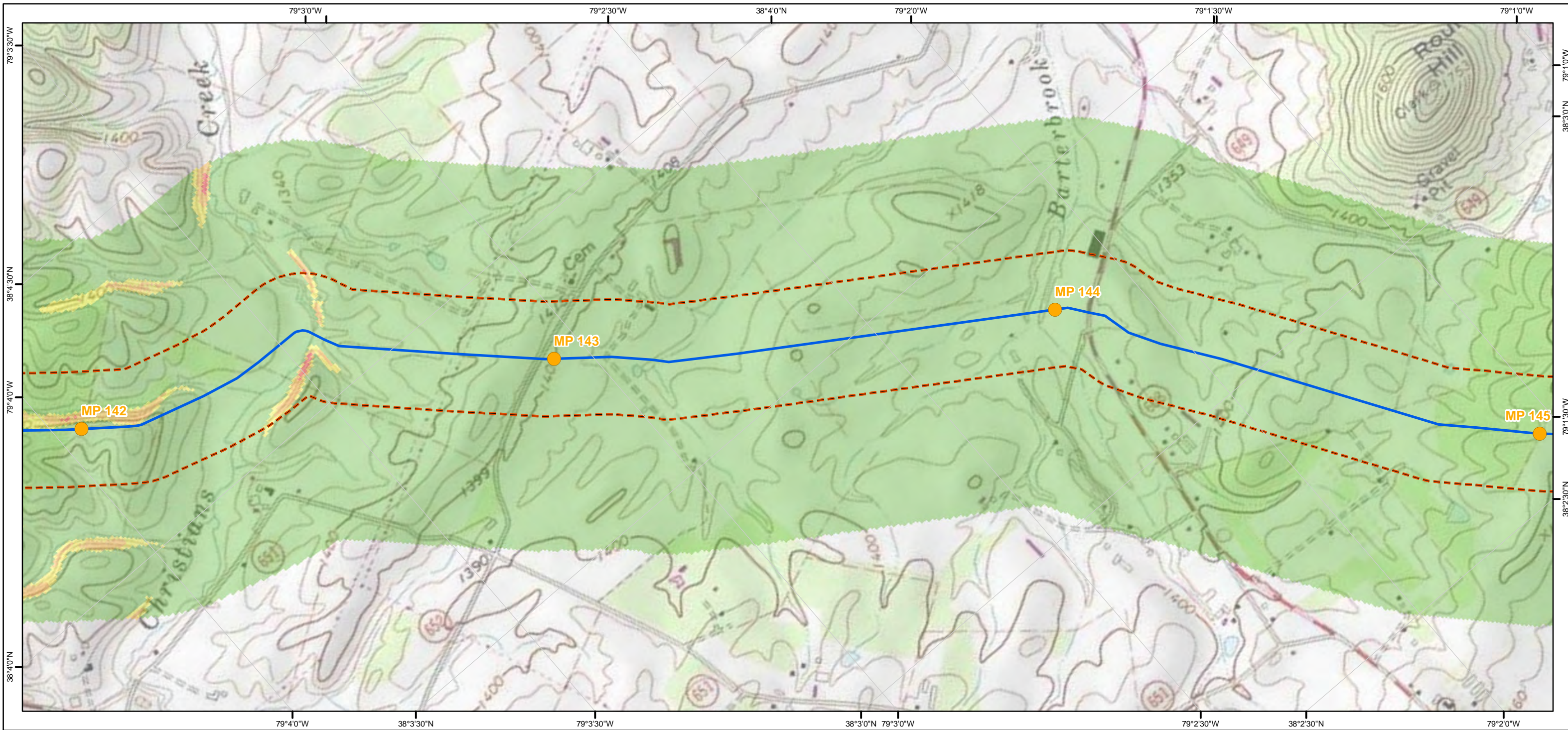
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



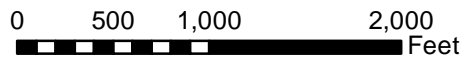
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 70 of 216

1:12,000



Document Information:

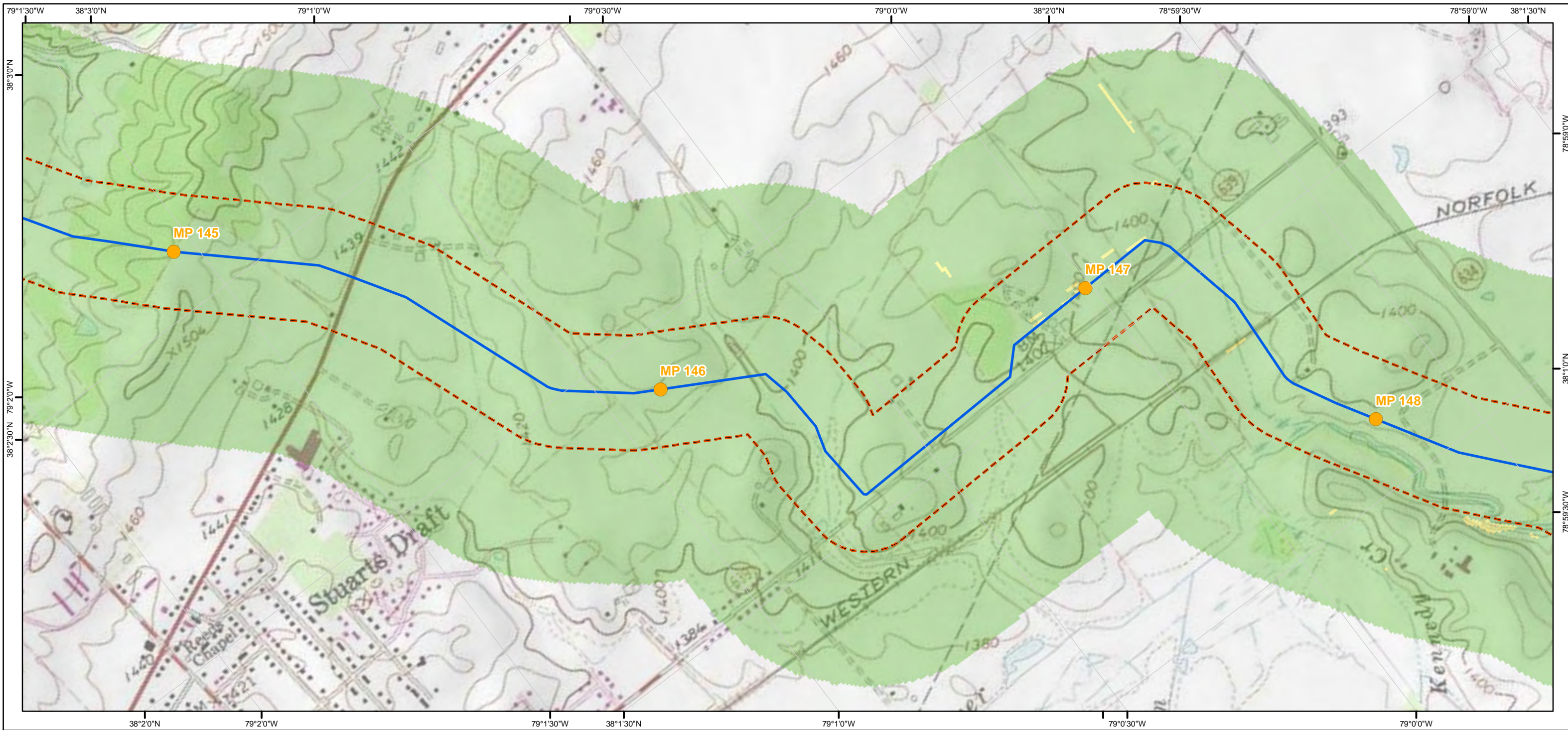
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





Legend

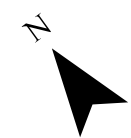
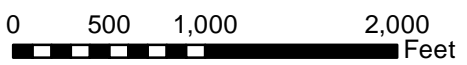
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 71 of 216

1:12,000



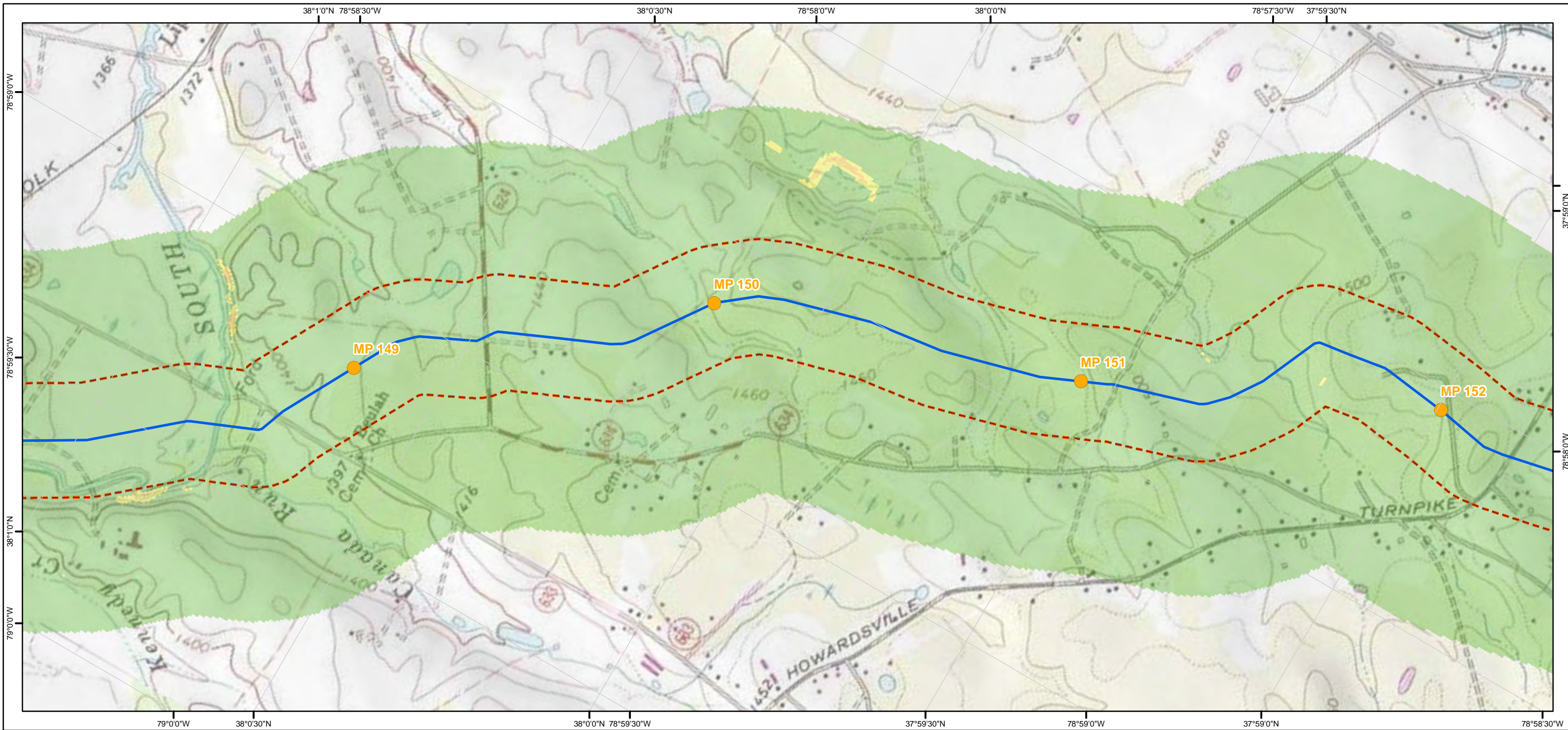
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

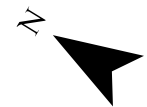
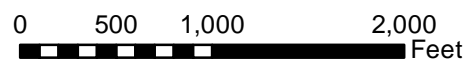
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 72 of 216

1:12,000



Document Information:

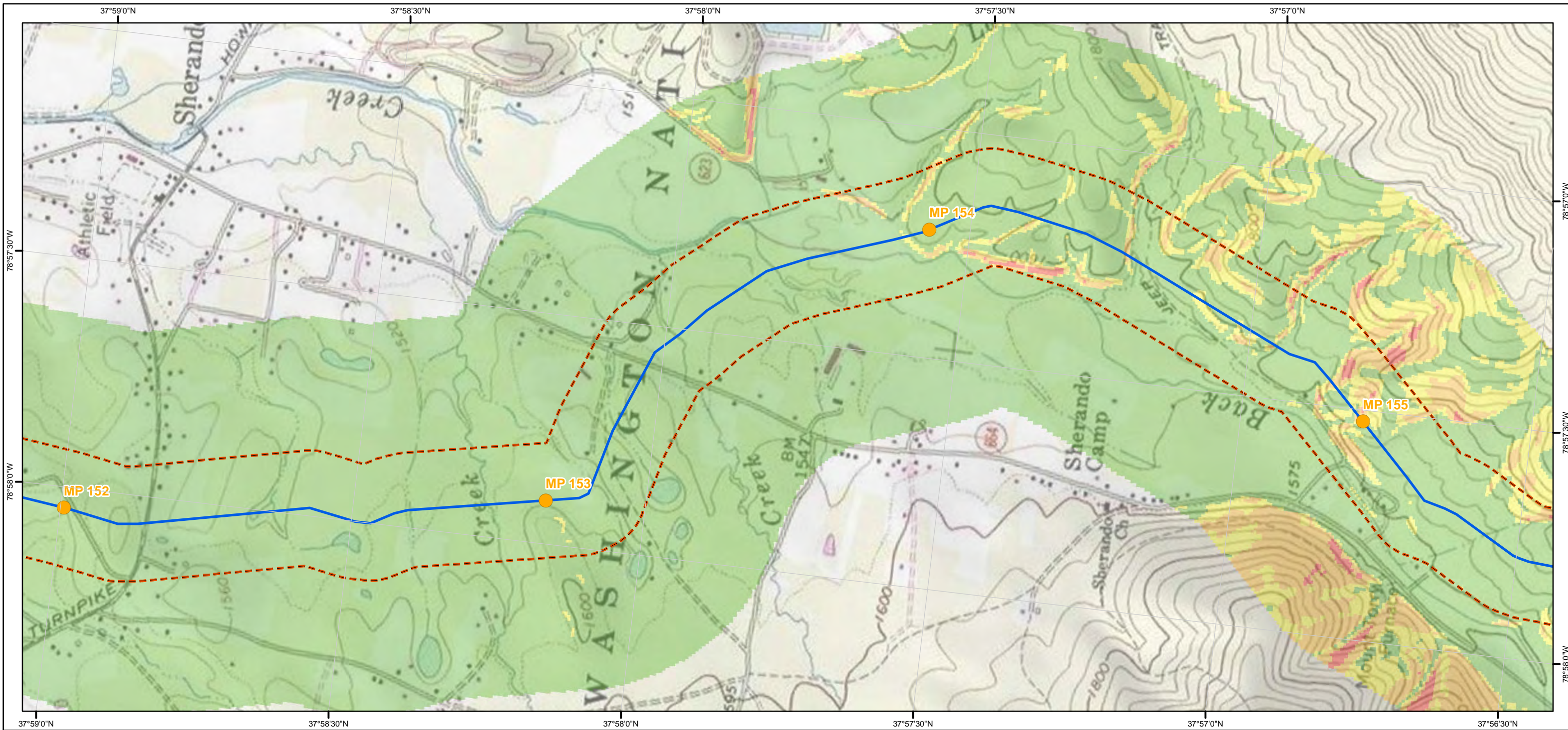
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSERATIONS



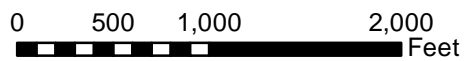
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 73 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

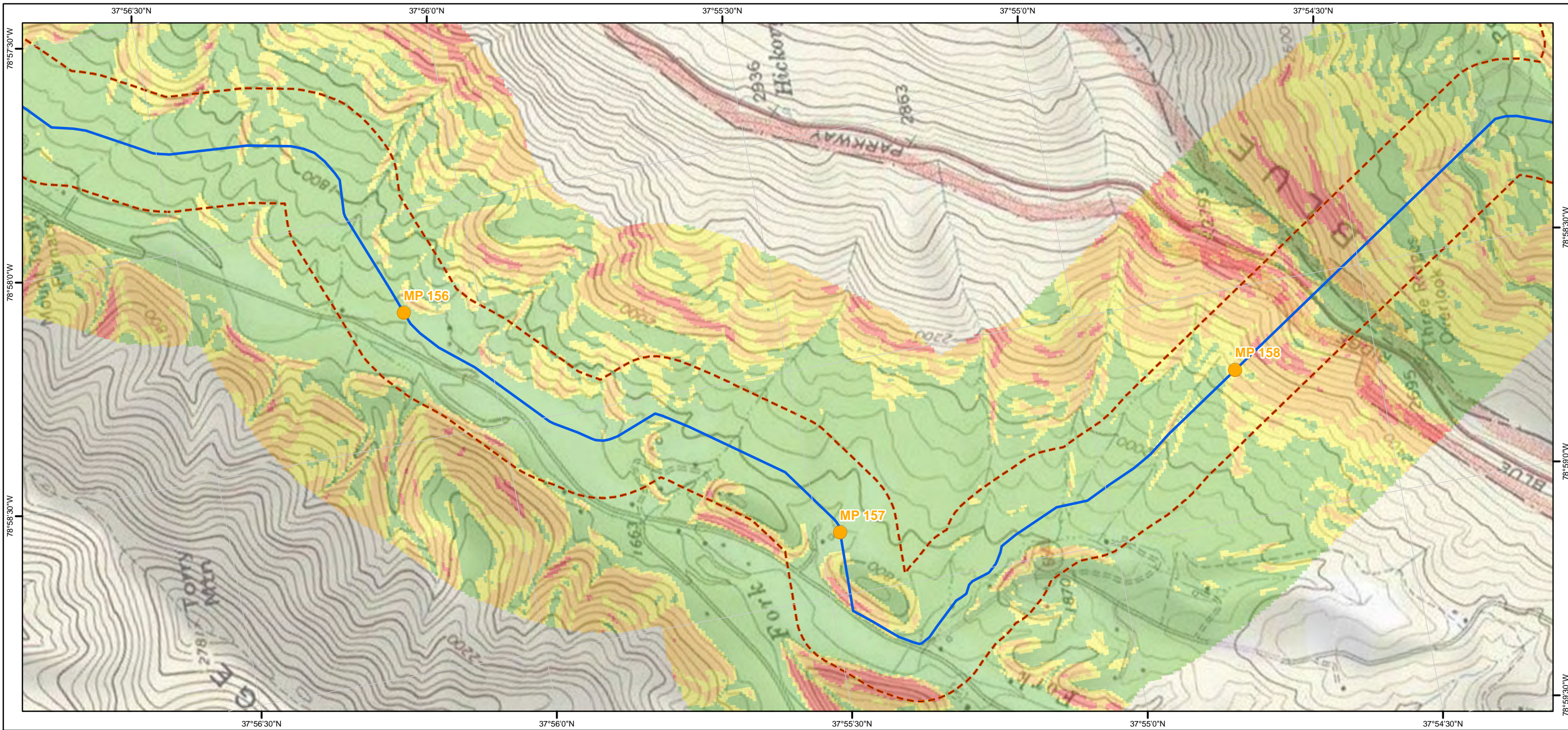


Dominion

Geosyntec

consultants

TESSE **ATIONS**

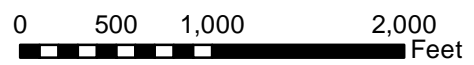


Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
-
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 74 of 216

1:12,000



Document Information:

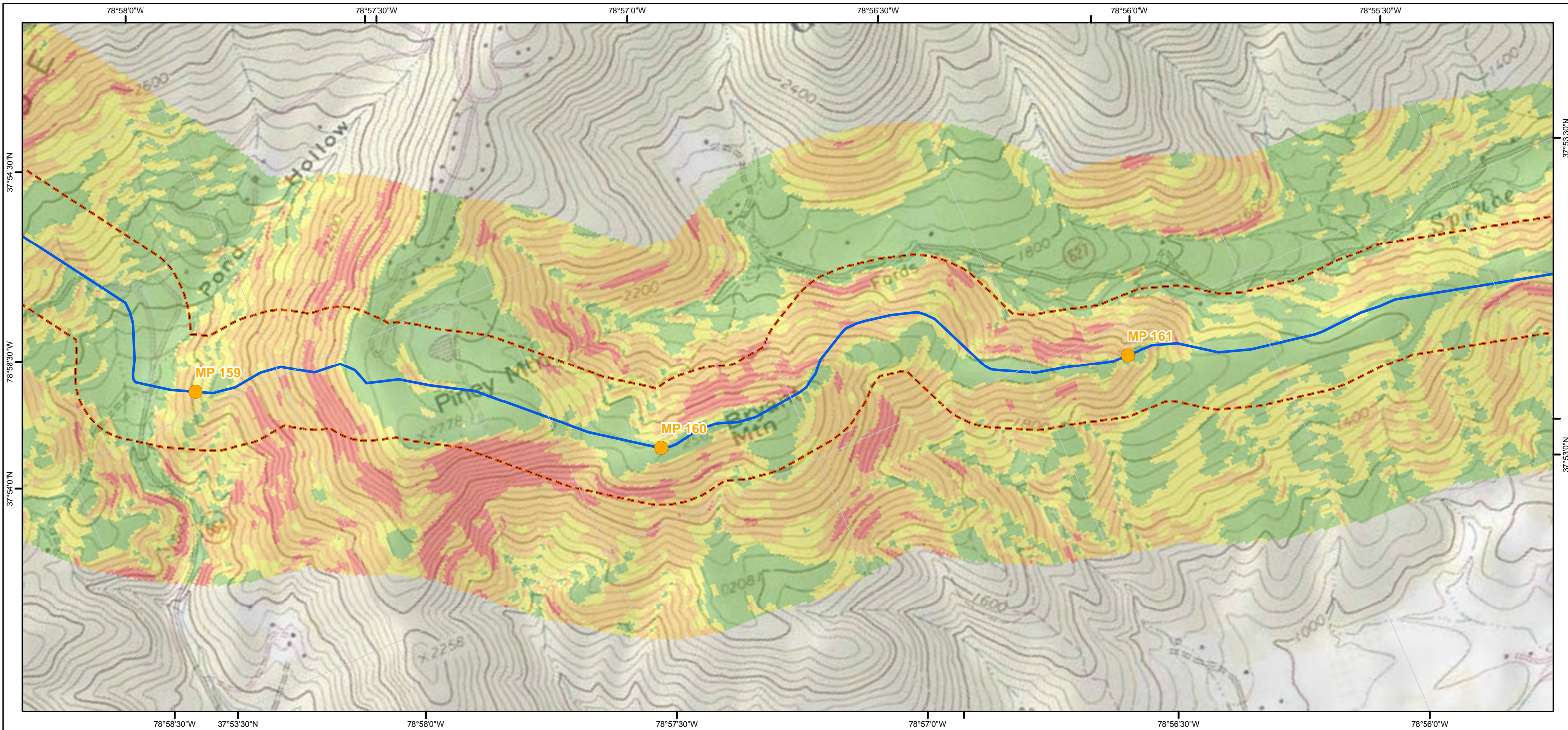
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSERATIONS



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 75 of 216

1:12,000

Document Information:

Document No: DOM_EC_SUB_MA_SER001

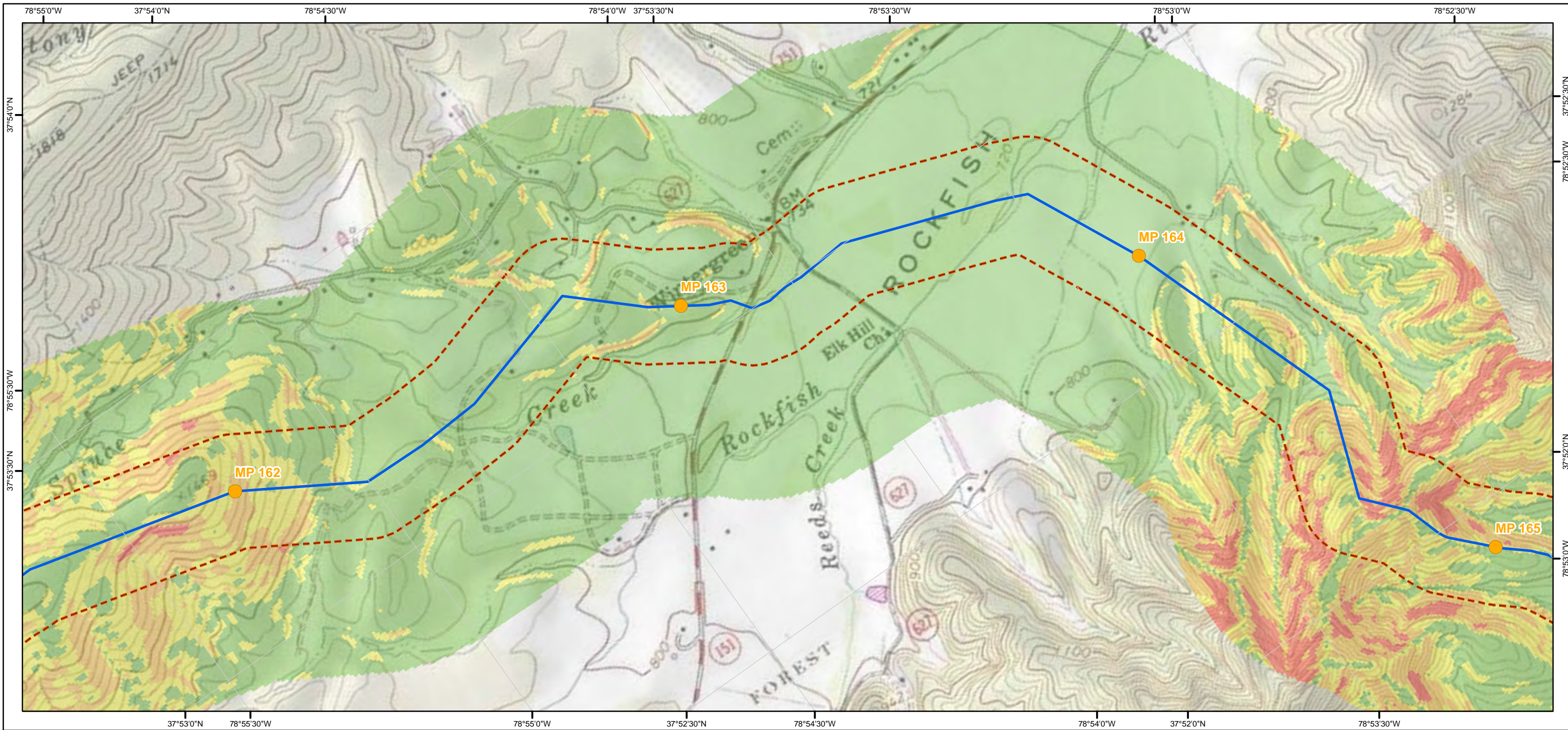
Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion[®]

Geosyntec

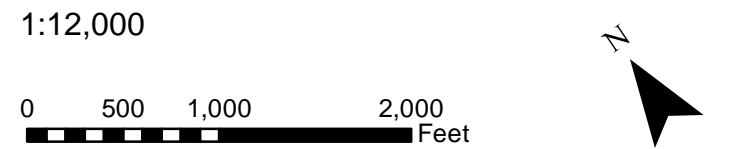
consultants



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 76 of 216



Document Information:

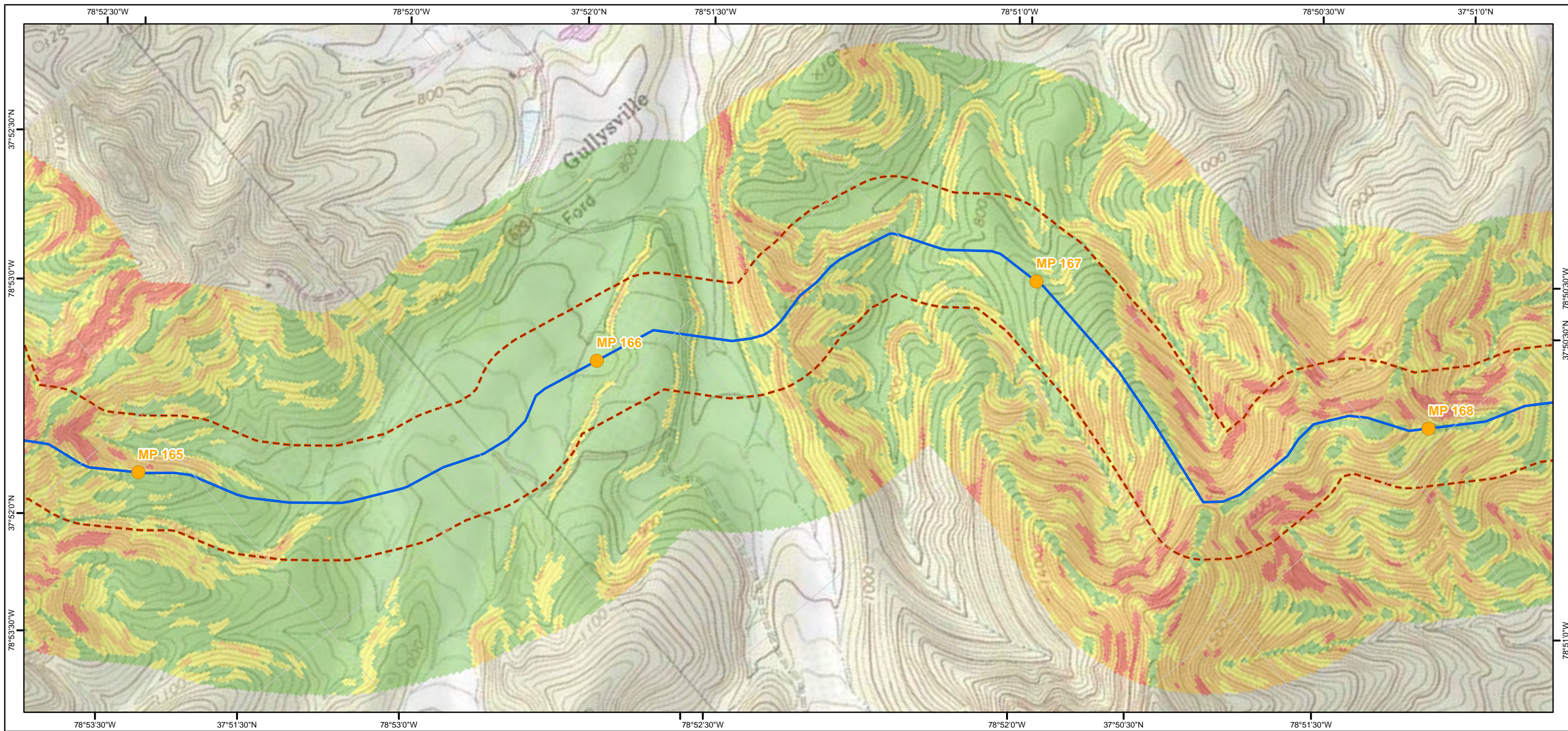
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSE **TIONS**



Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 77 of 216



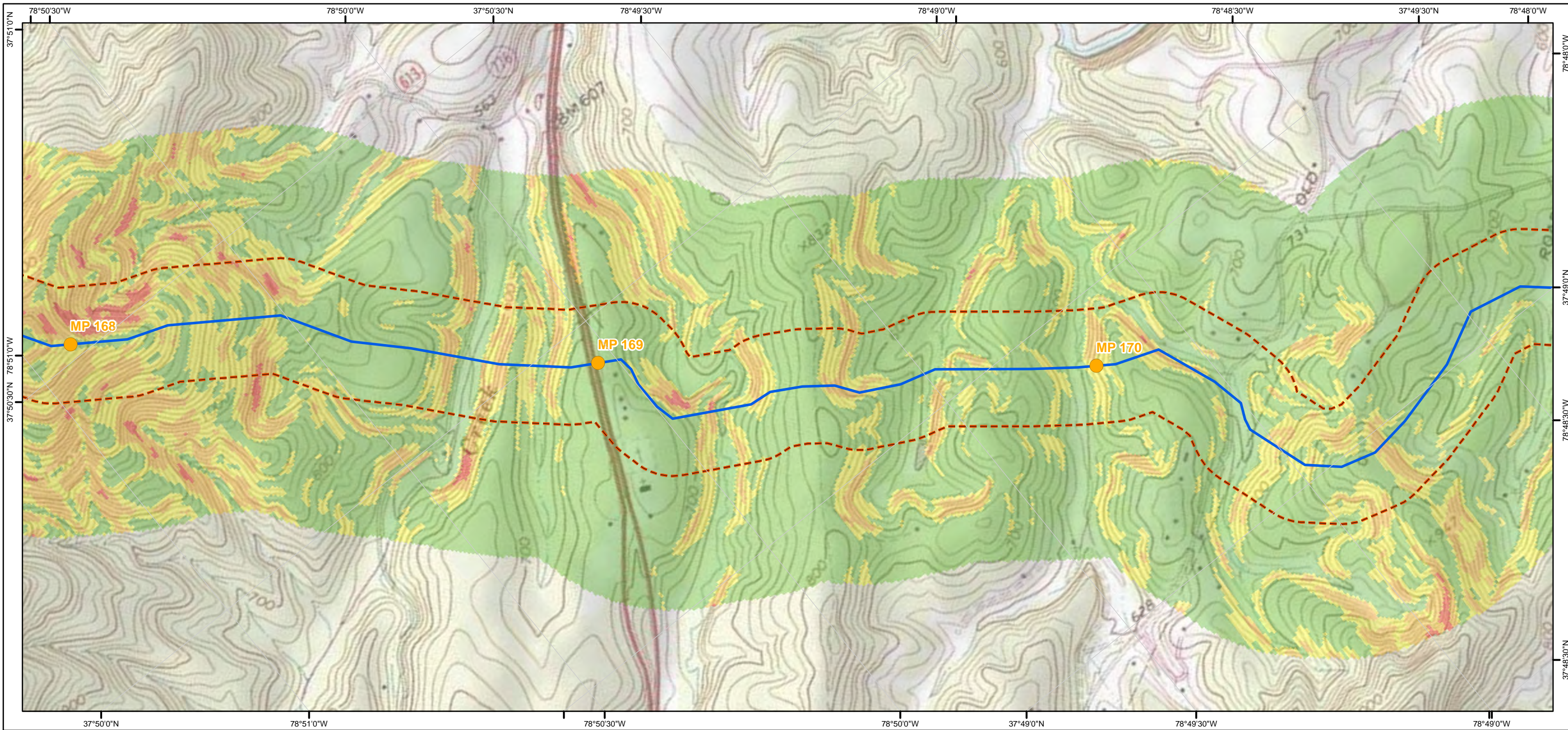
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING

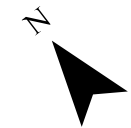
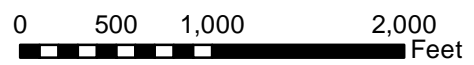


Legend

- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 78 of 216

1:12,000



Document Information:

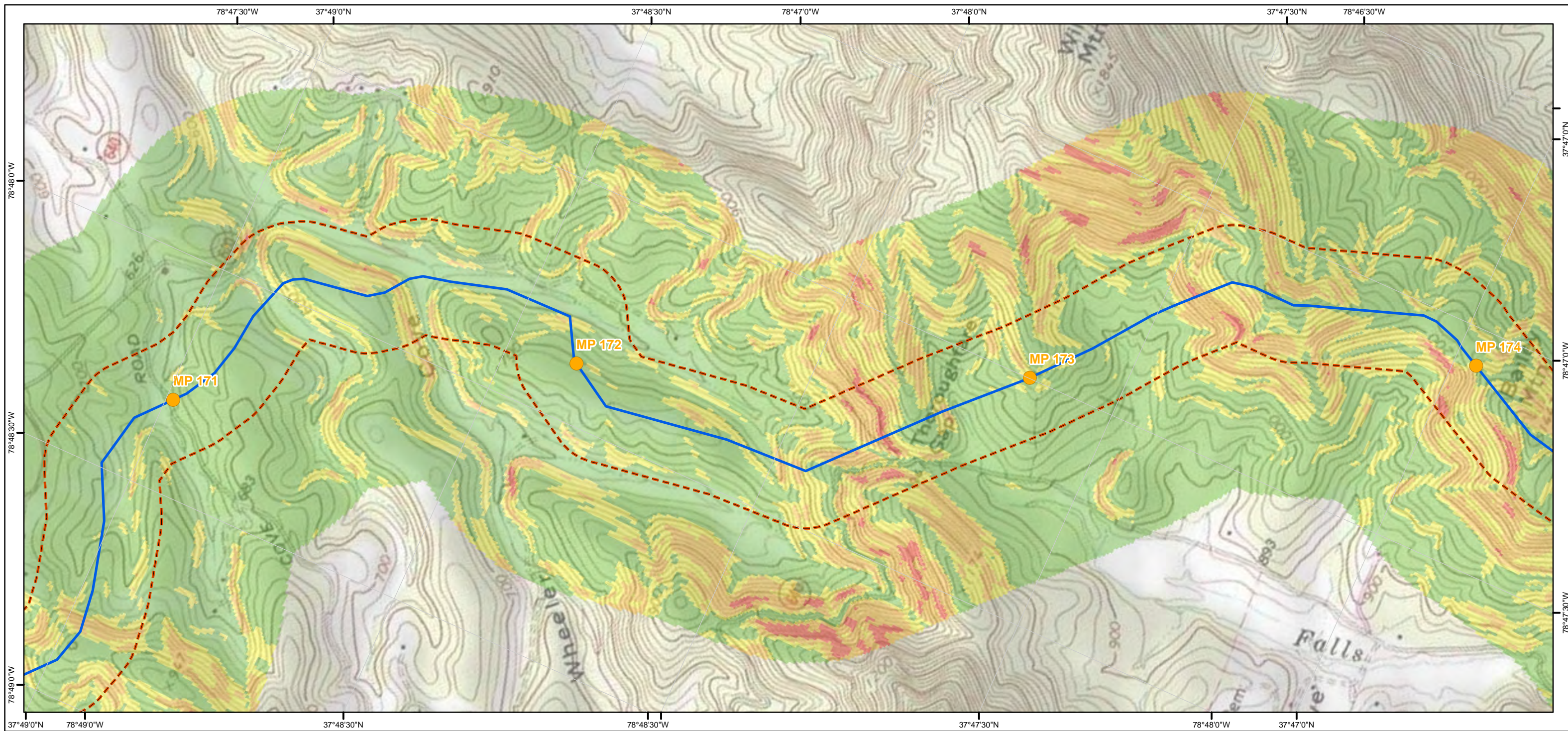
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 79 of 216



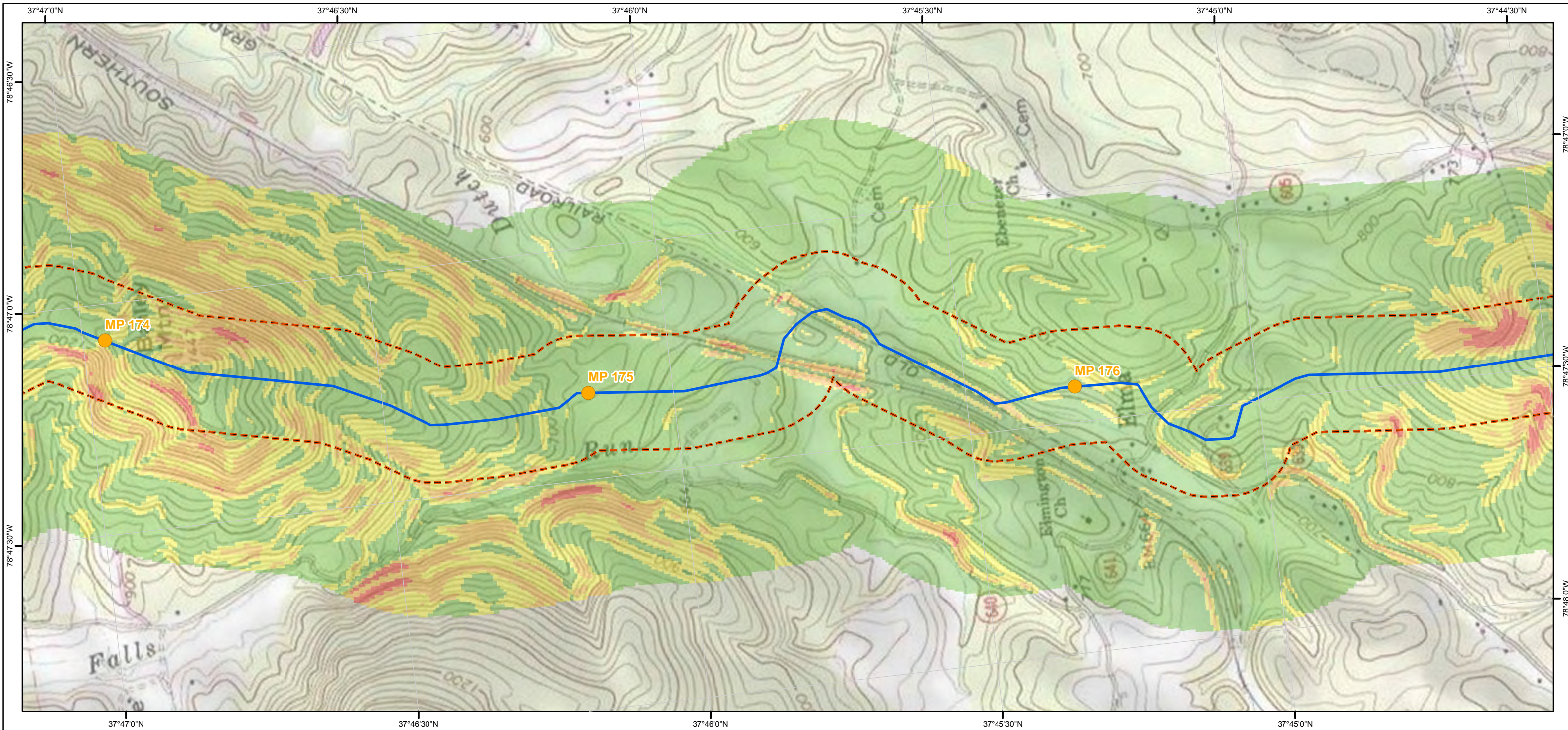
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING

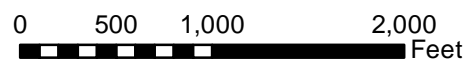


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 80 of 216

1:12,000



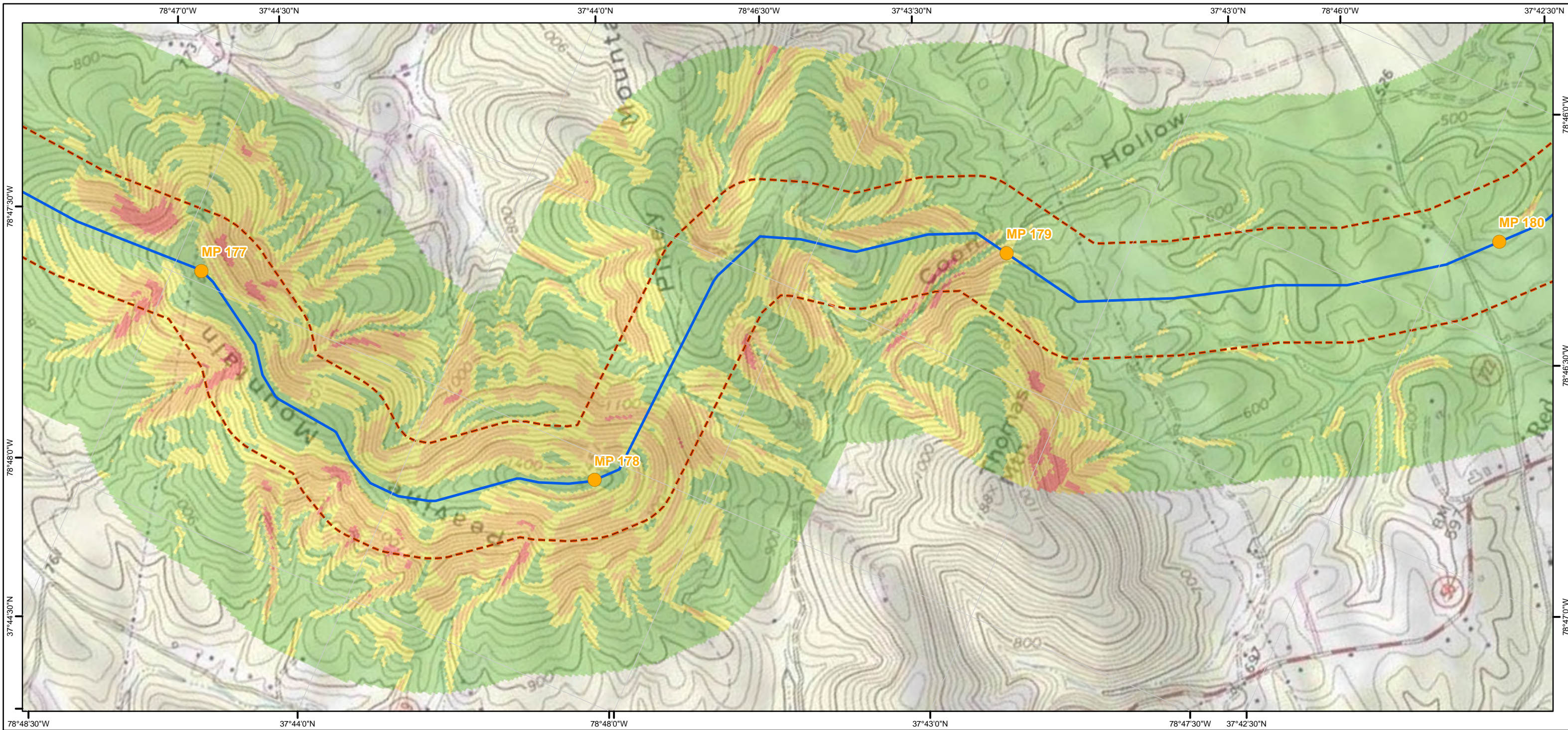
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project

Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 81 of 216

1:12,000

0 500 1,000 2,000

Feet

Document Information:

Document No: DOM_EC_SUB_MA_SER001

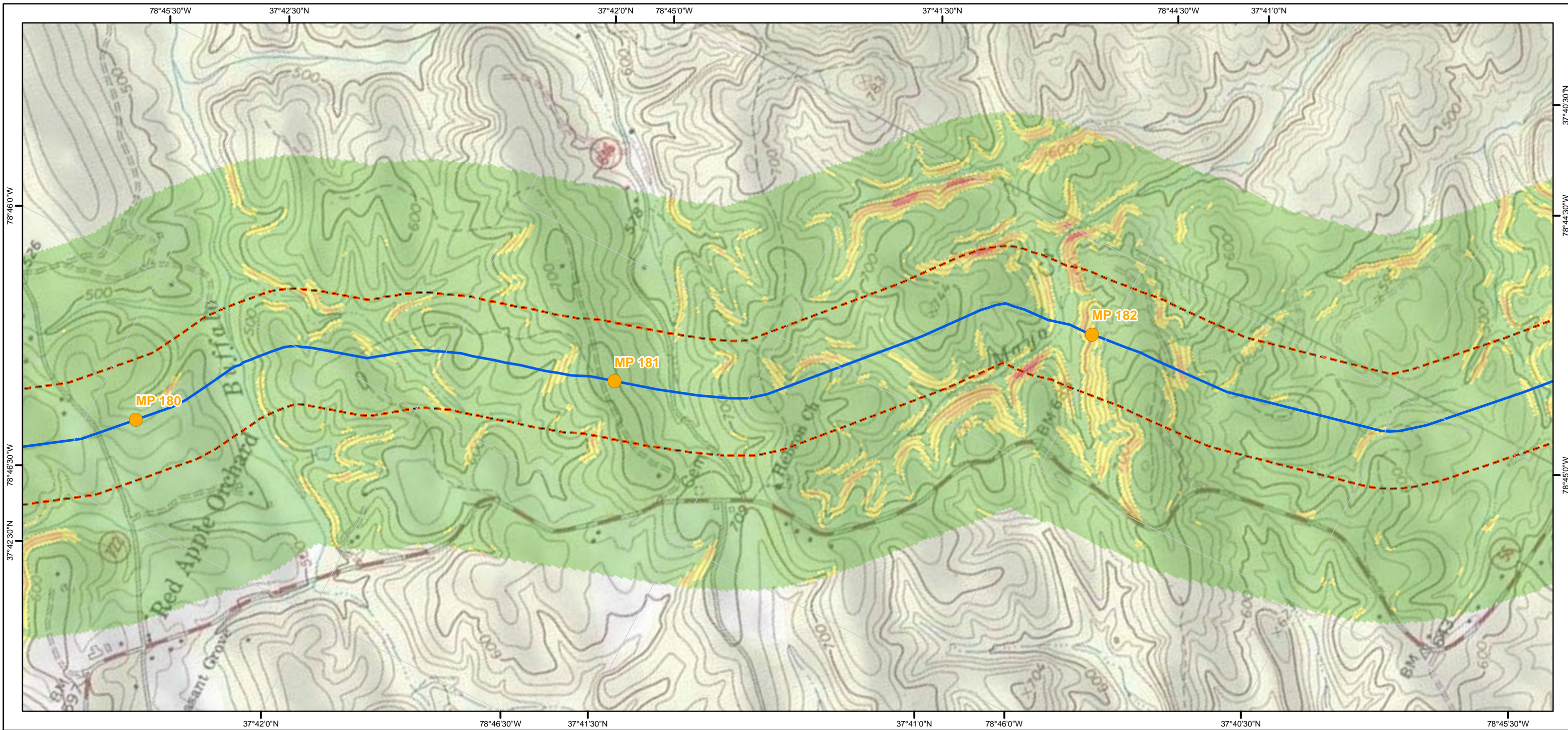
Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSEMAATIONS



Legend

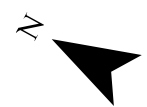
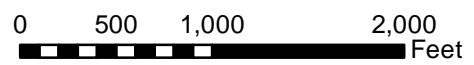
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 82 of 216

1:12,000



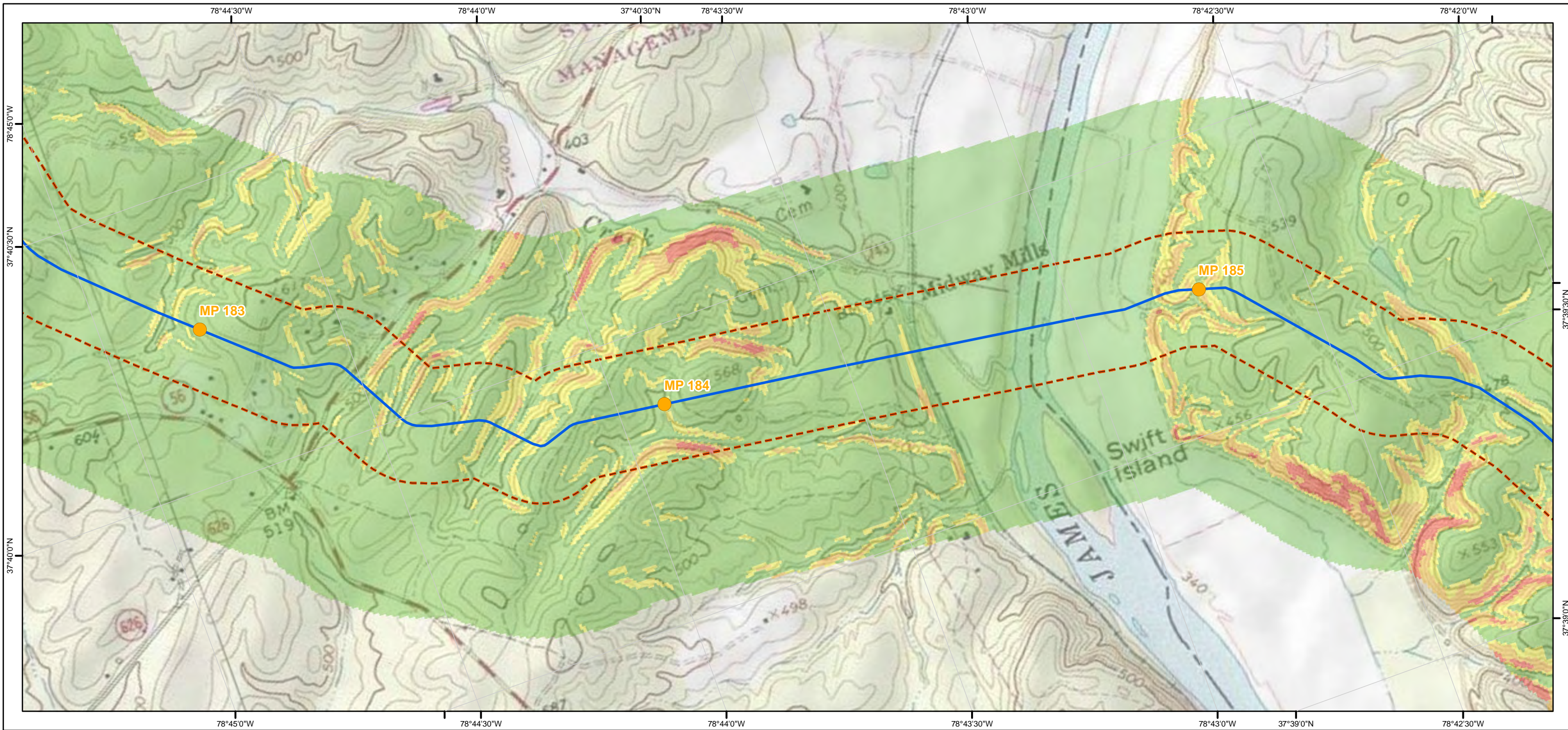
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 83 of 216

1:12,000

0 500 1,000 2,000
Feet

N

Document Information:

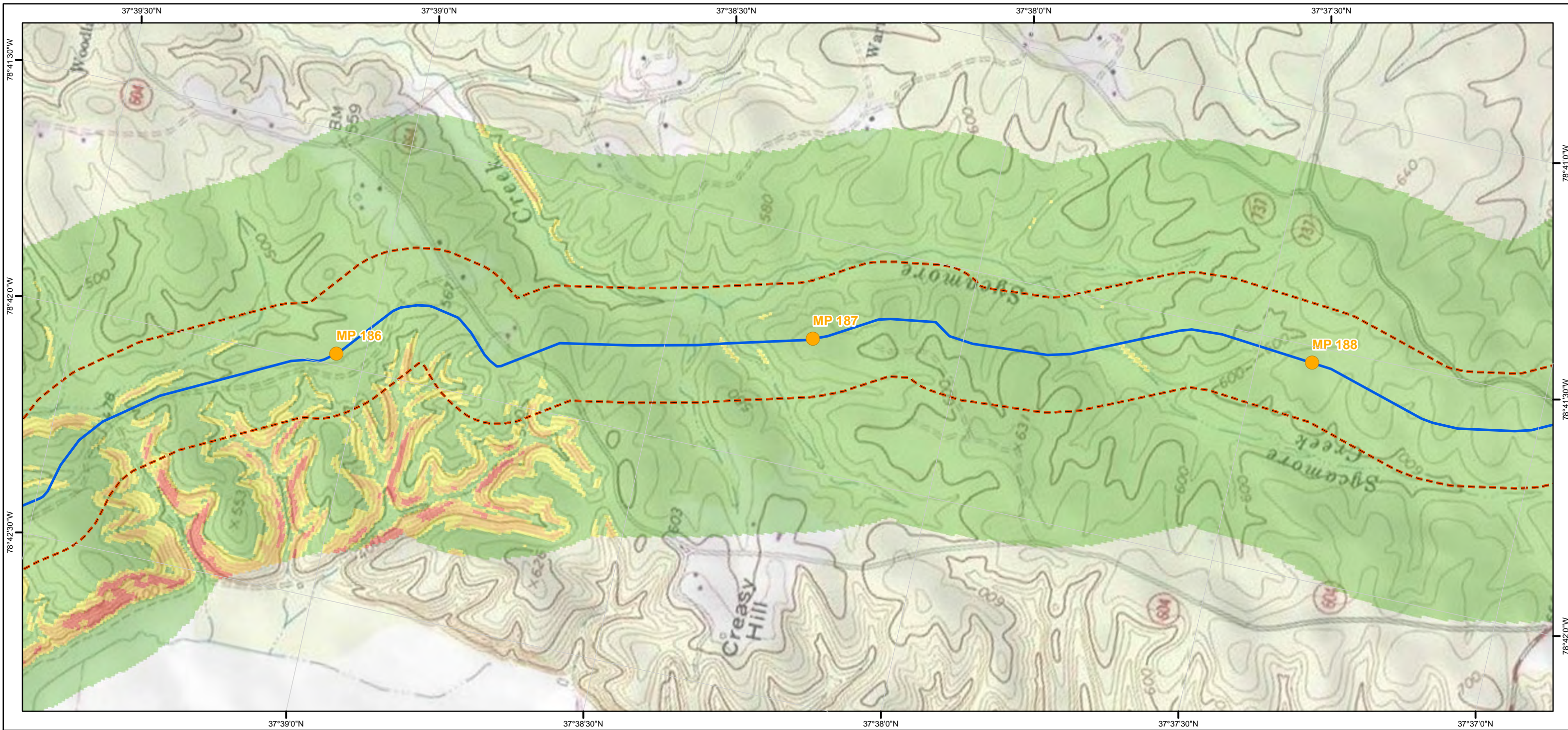
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion[®]
Geosyntec

consultants



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project

Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 84 of 216

1:12,000

0 500 1,000 2,000 Feet

Document Information:

Document No: DOM_EC_SUB_MA_SER001

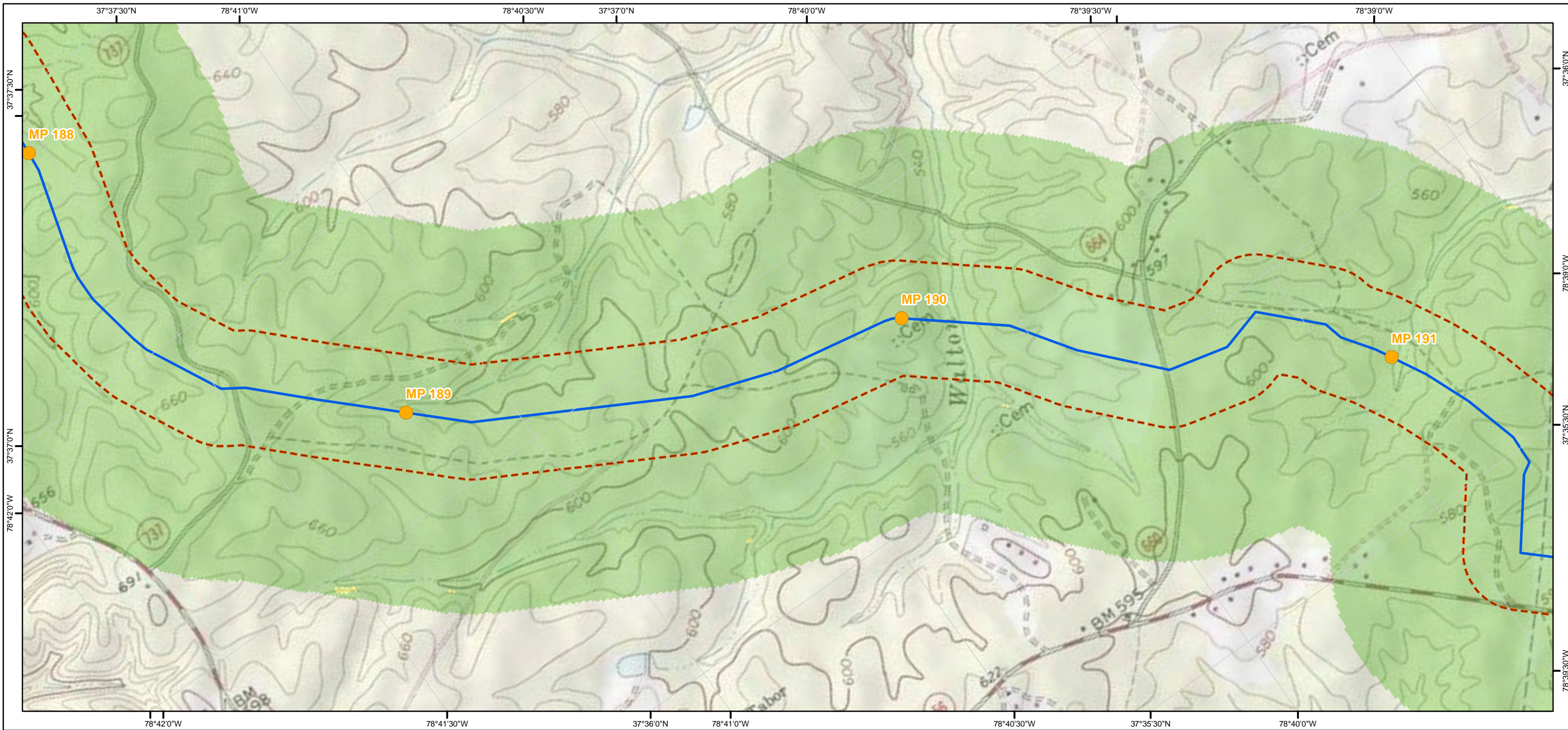
Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSEMA



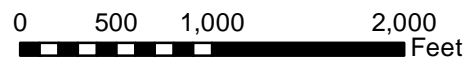
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 85 of 216

1:12,000



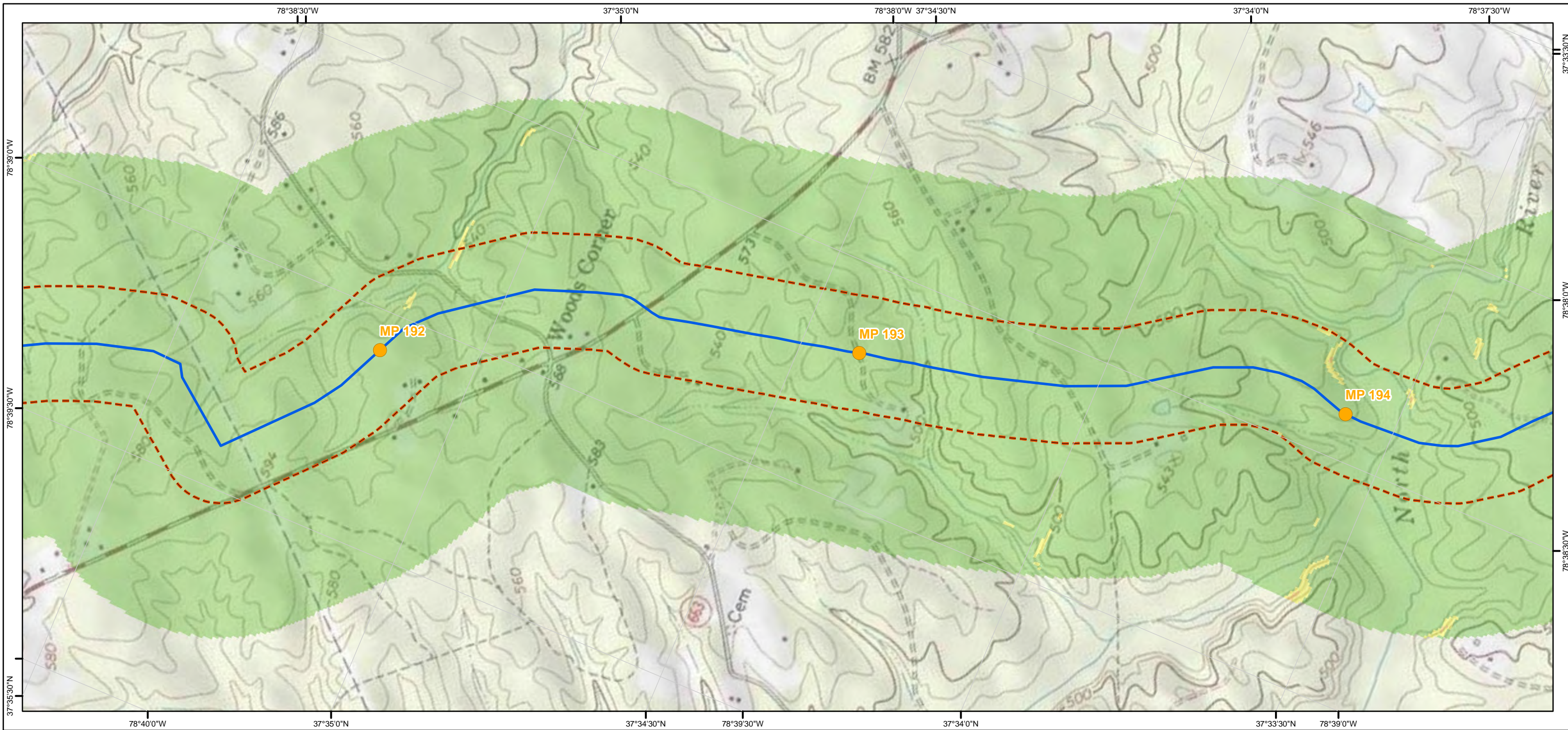
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 86 of 216

1:12,000

0 500 1,000 2,000

Feet

Document Information:

Document No: DOM_EC_SUB_MA_SER001

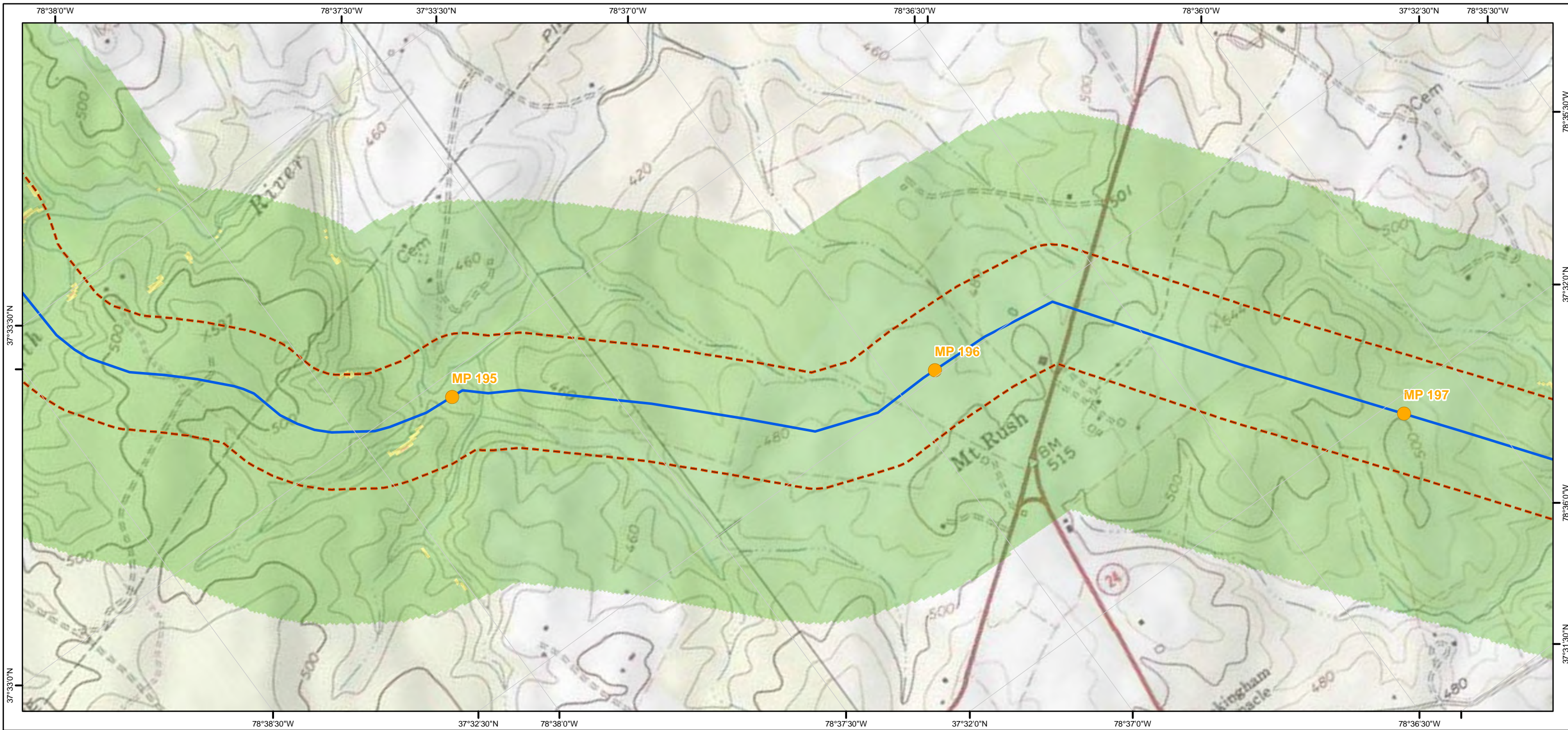
Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSEMA



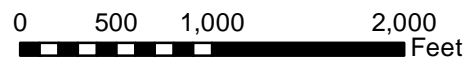
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 87 of 216

1:12,000



Document Information:

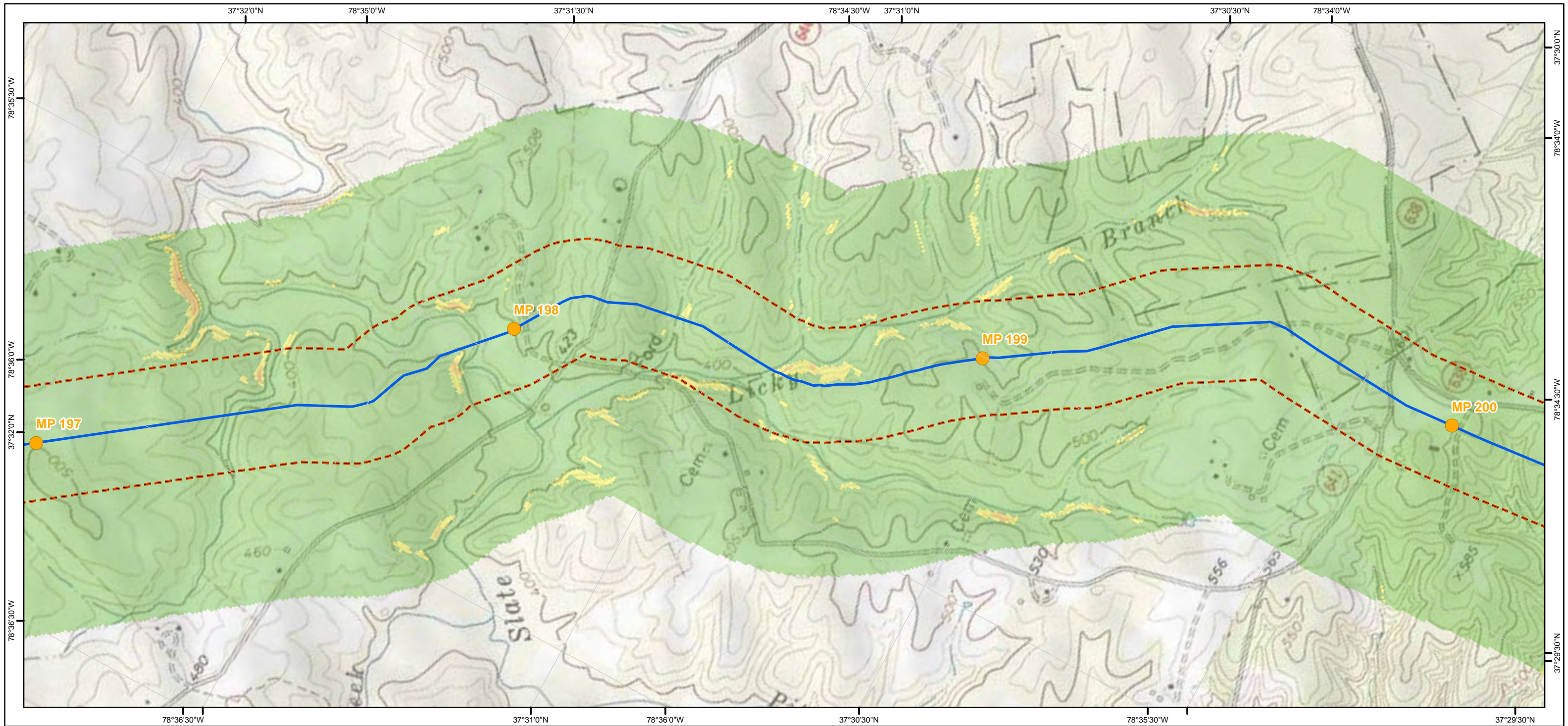
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSELLATIONS



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project

Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 88 of 216

1:12,000

0 500 1,000 2,000 Feet

Document Information:

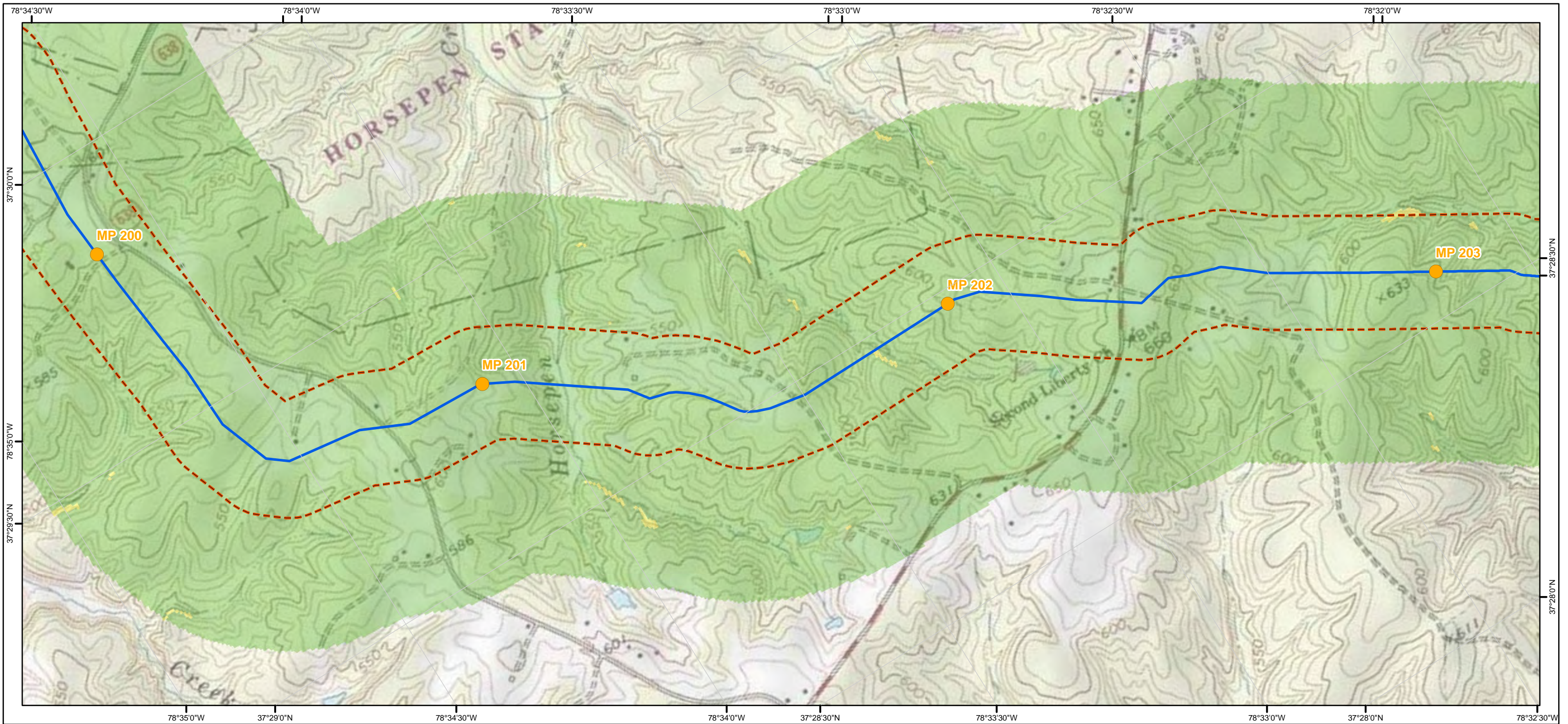
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE CONSULTATIONS



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project

Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 89 of 216

1:12,000

0 500 1,000 2,000 Feet

N

Document Information:

Document No: DOM_EC_SUB_MA_SER001

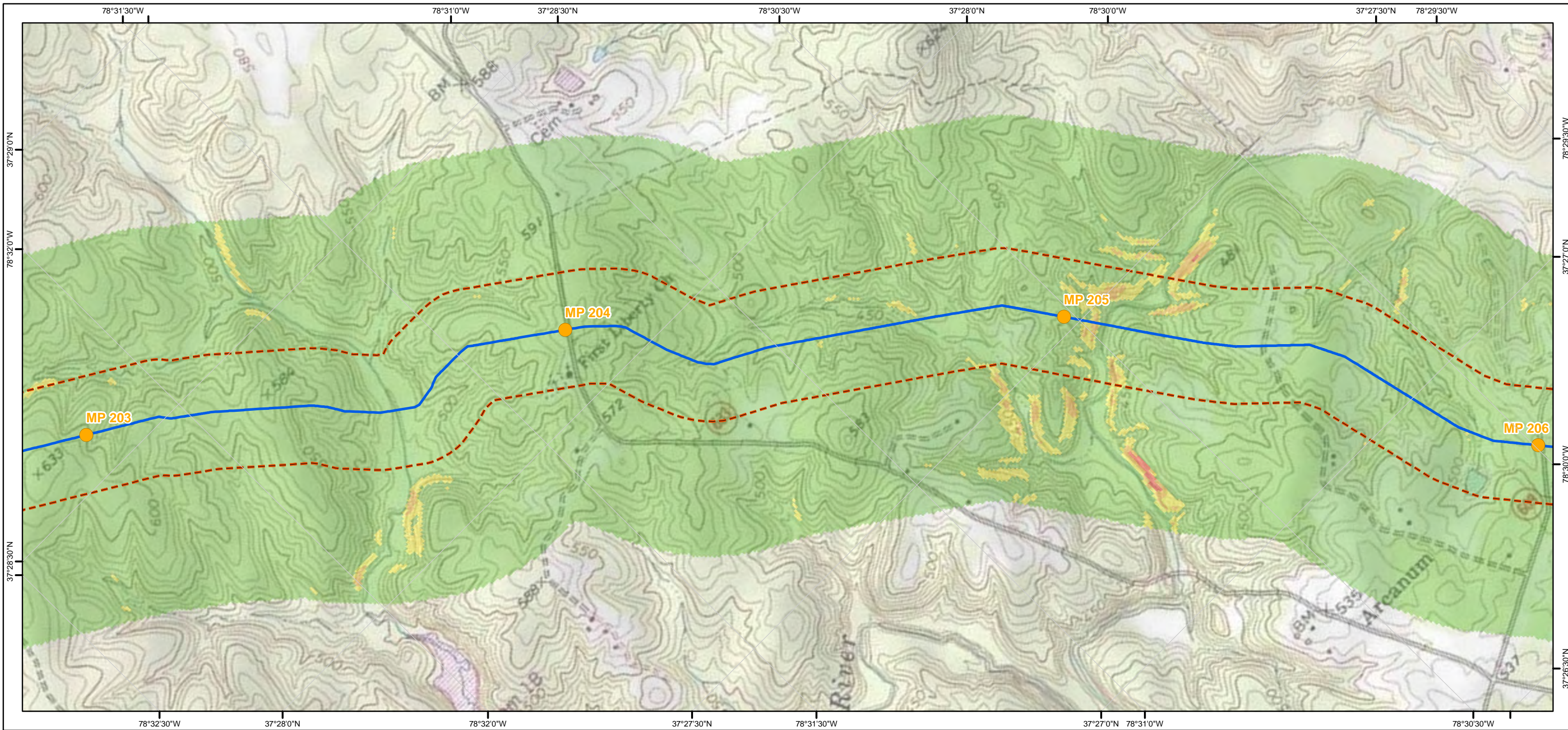
Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSEMA TIONS



Legend

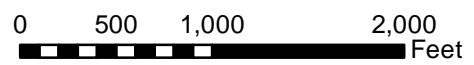
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 90 of 216

1:12,000



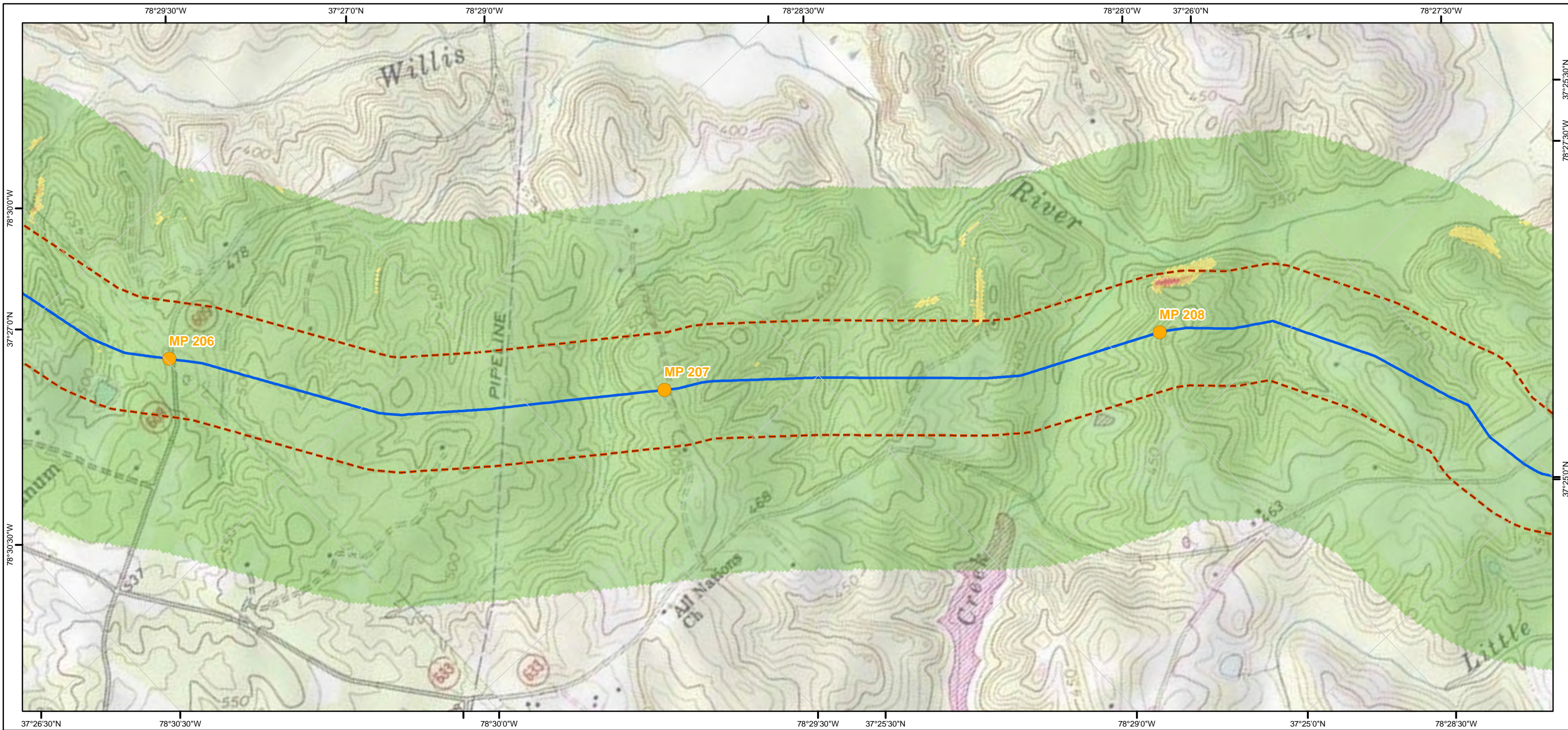
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

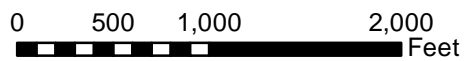
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 91 of 216

1:12,000



Document Information:

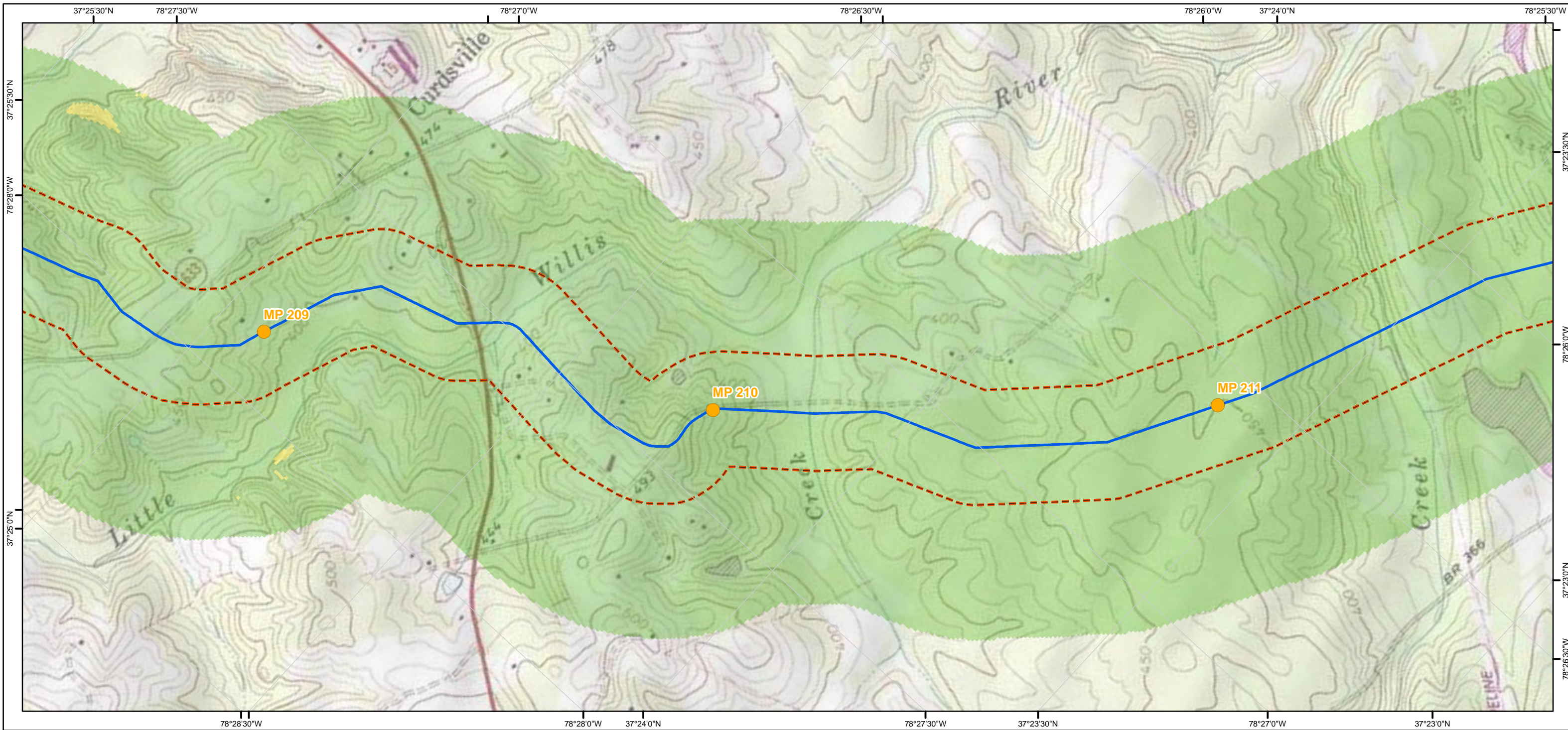
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project

Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 92 of 216

1:12,000

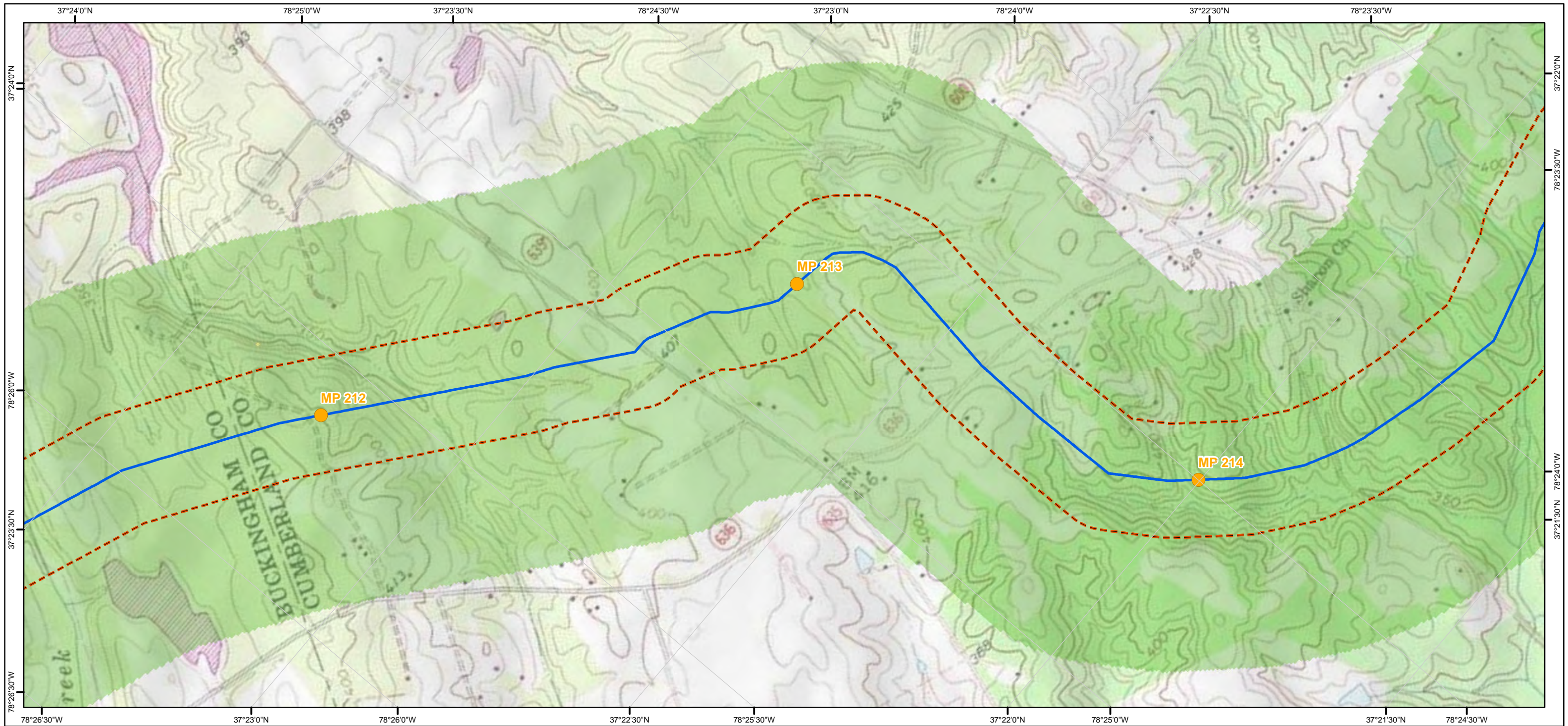
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 93 of 216

1:12,000

Document Information:

Document No: DOM_EC_SUB_MA_SER001

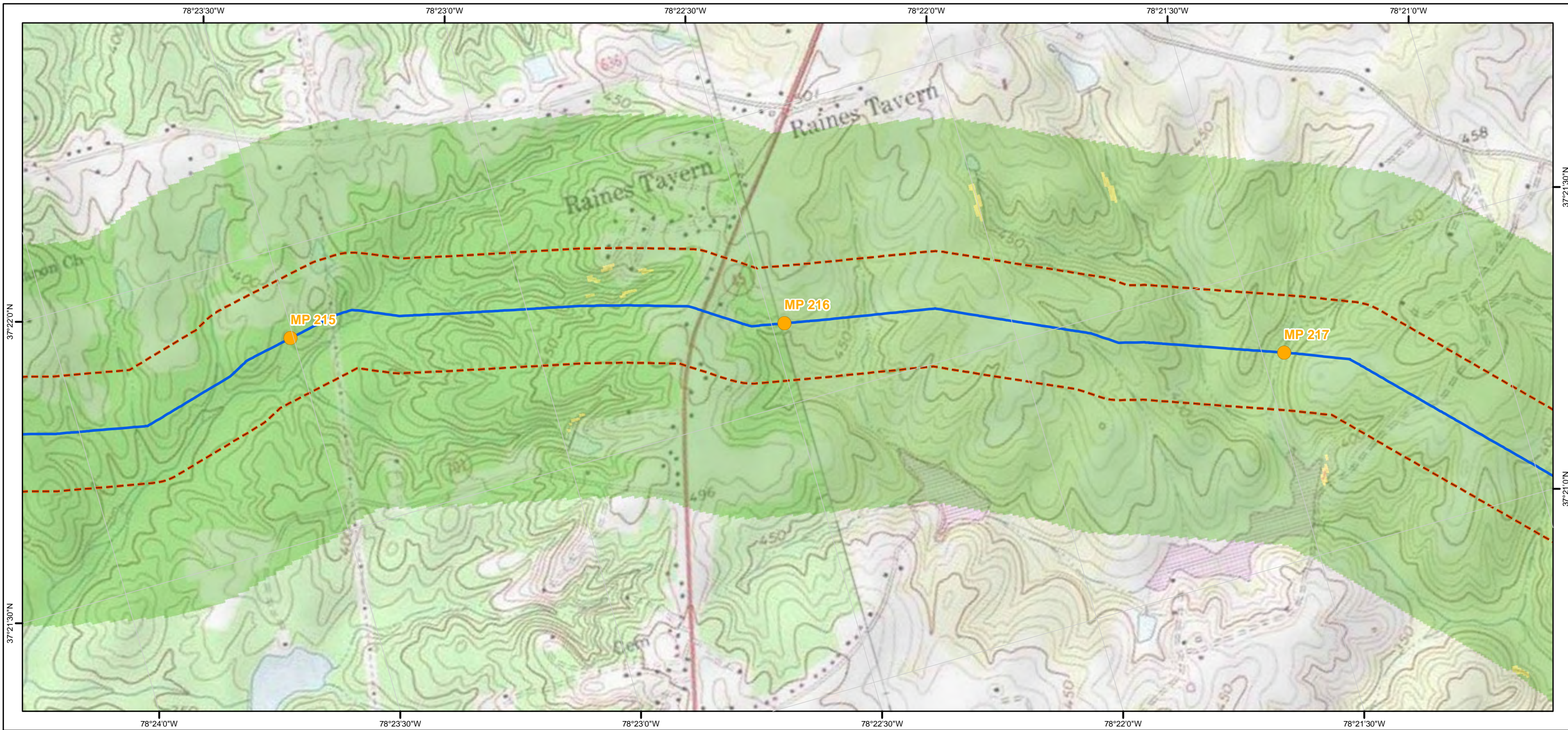
Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion

Geosyntec

consultants



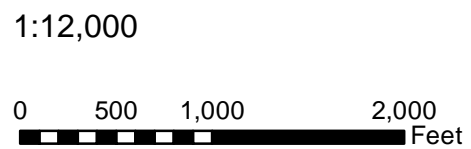
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 94 of 216



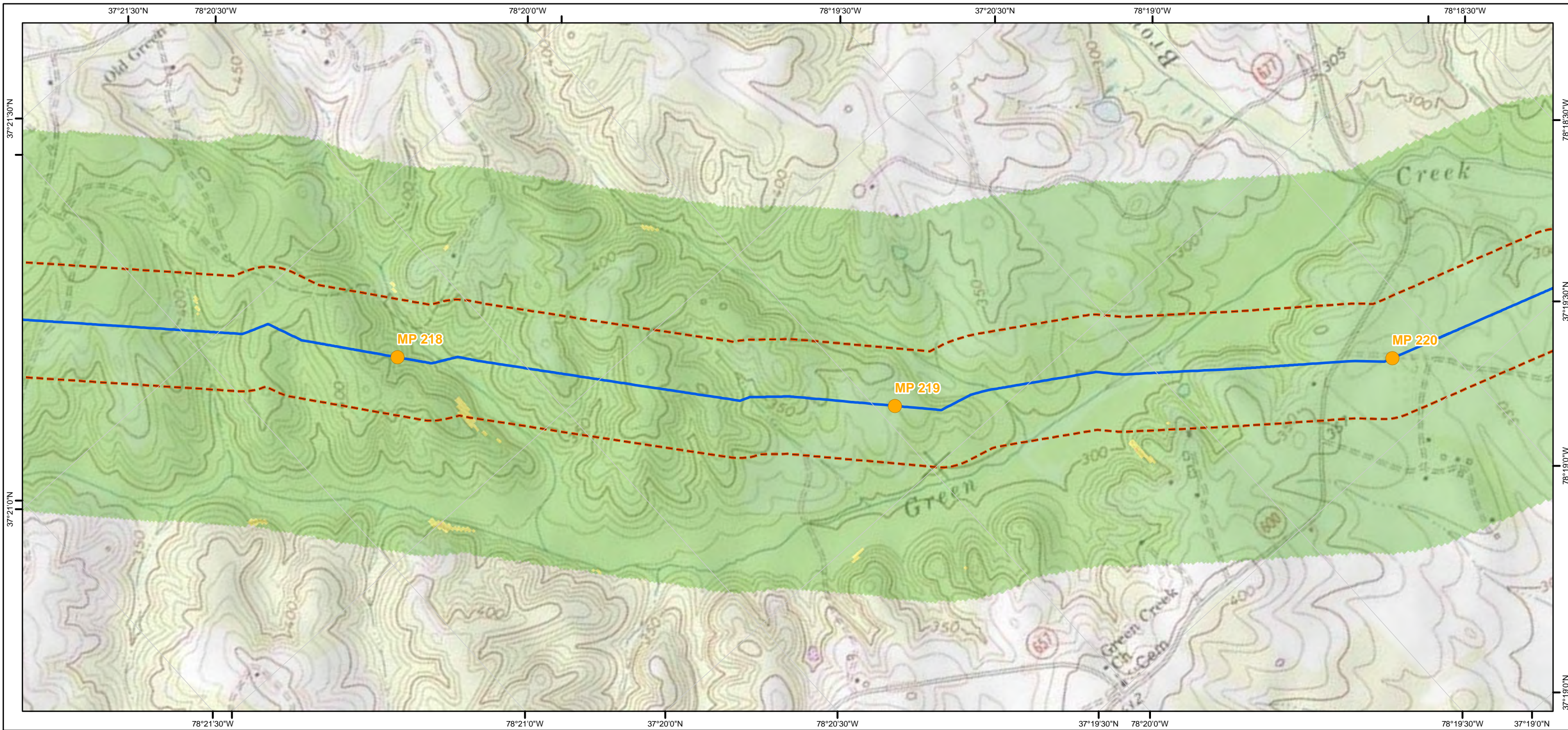
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

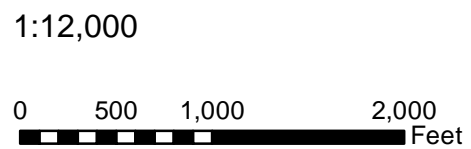


Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 95 of 216



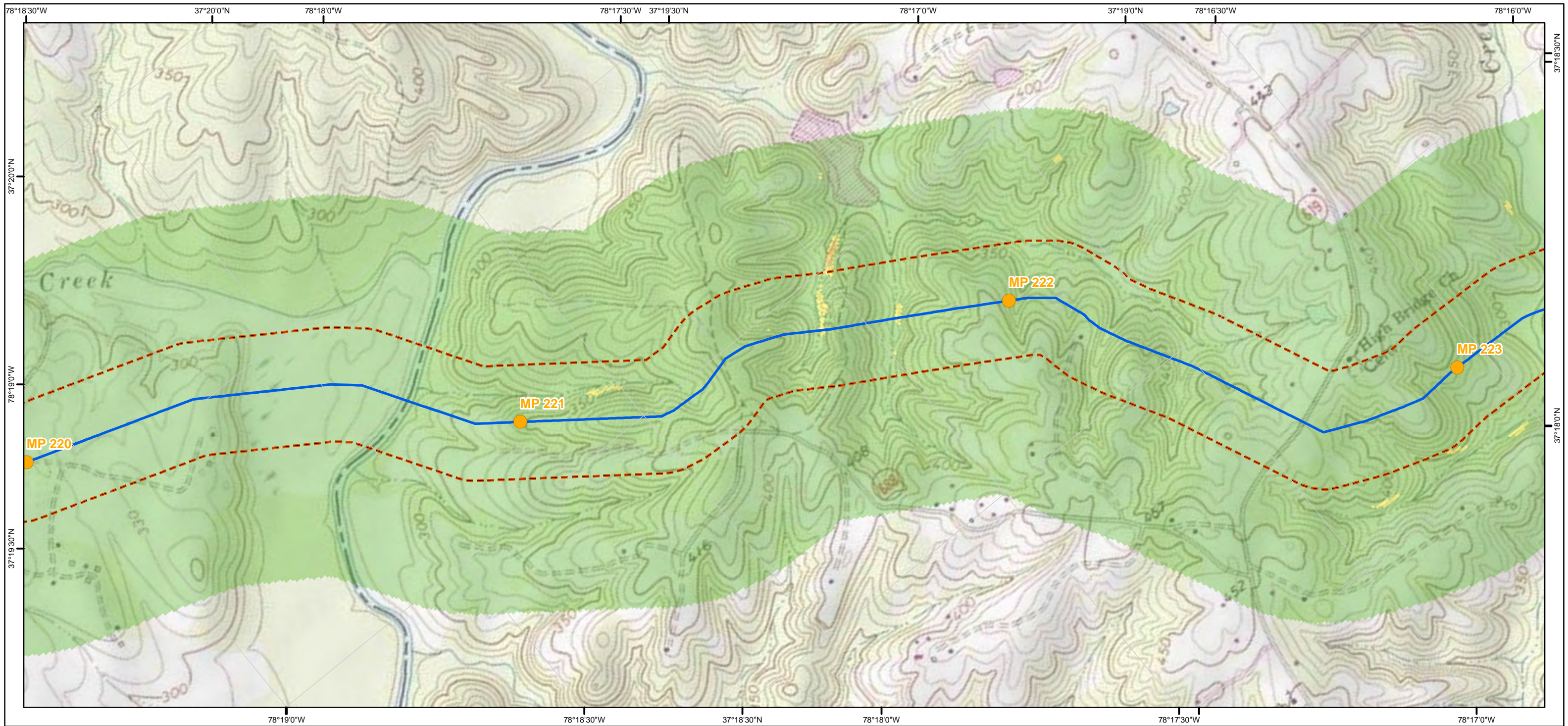
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 96 of 216



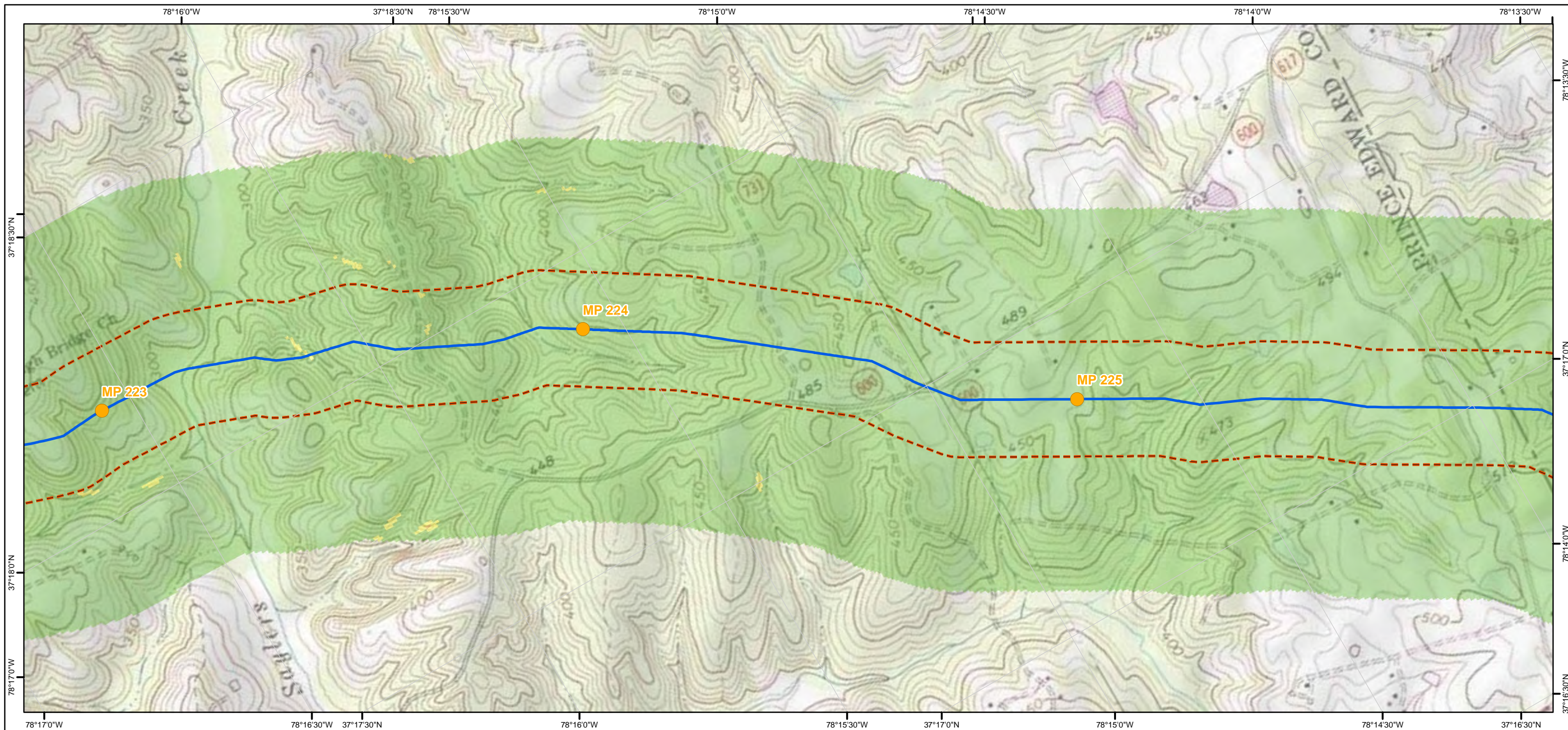
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING

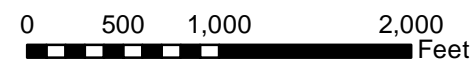


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 97 of 216

1:12,000



Document Information:

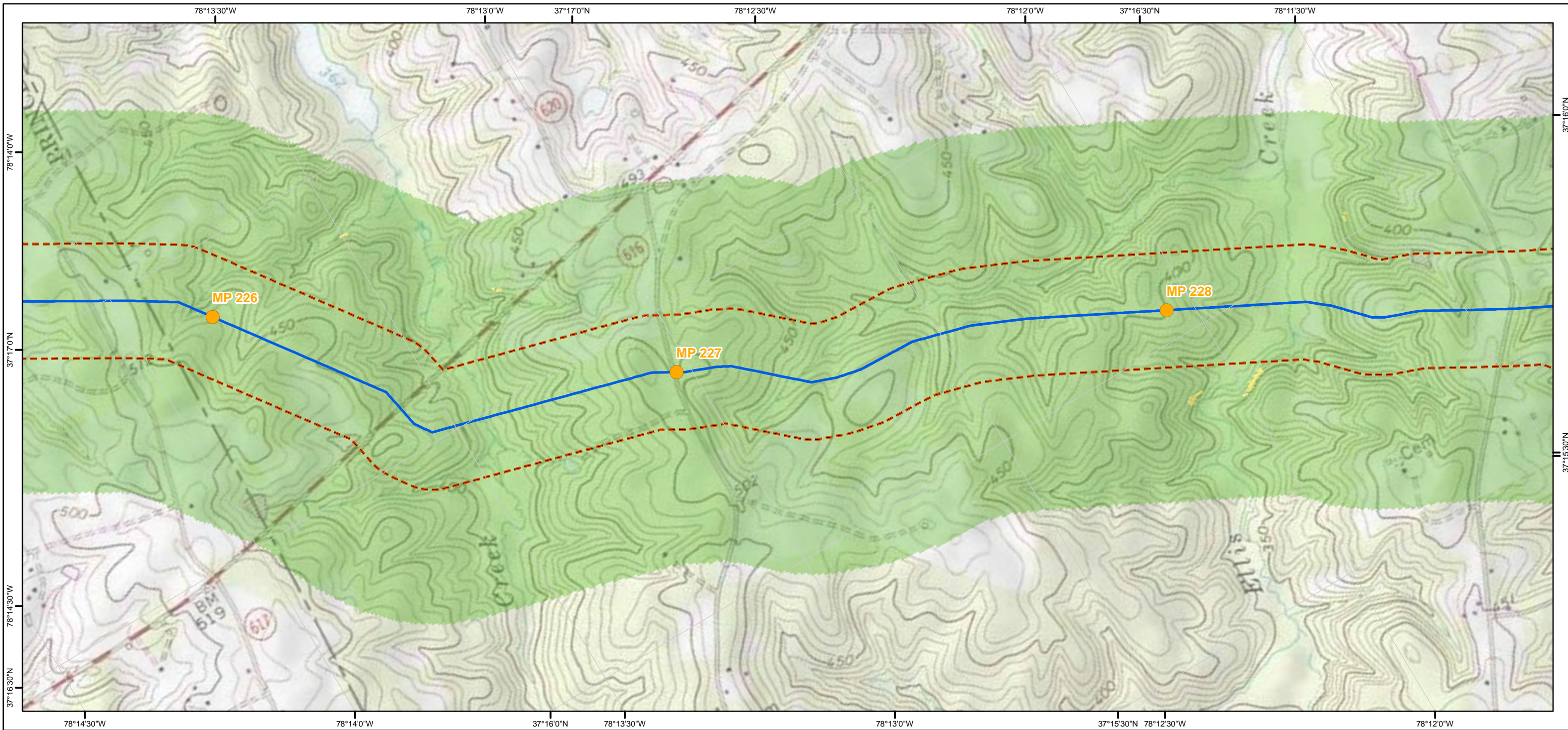
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



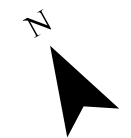
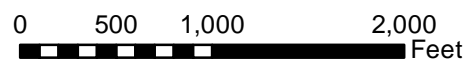


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 98 of 216

1:12,000



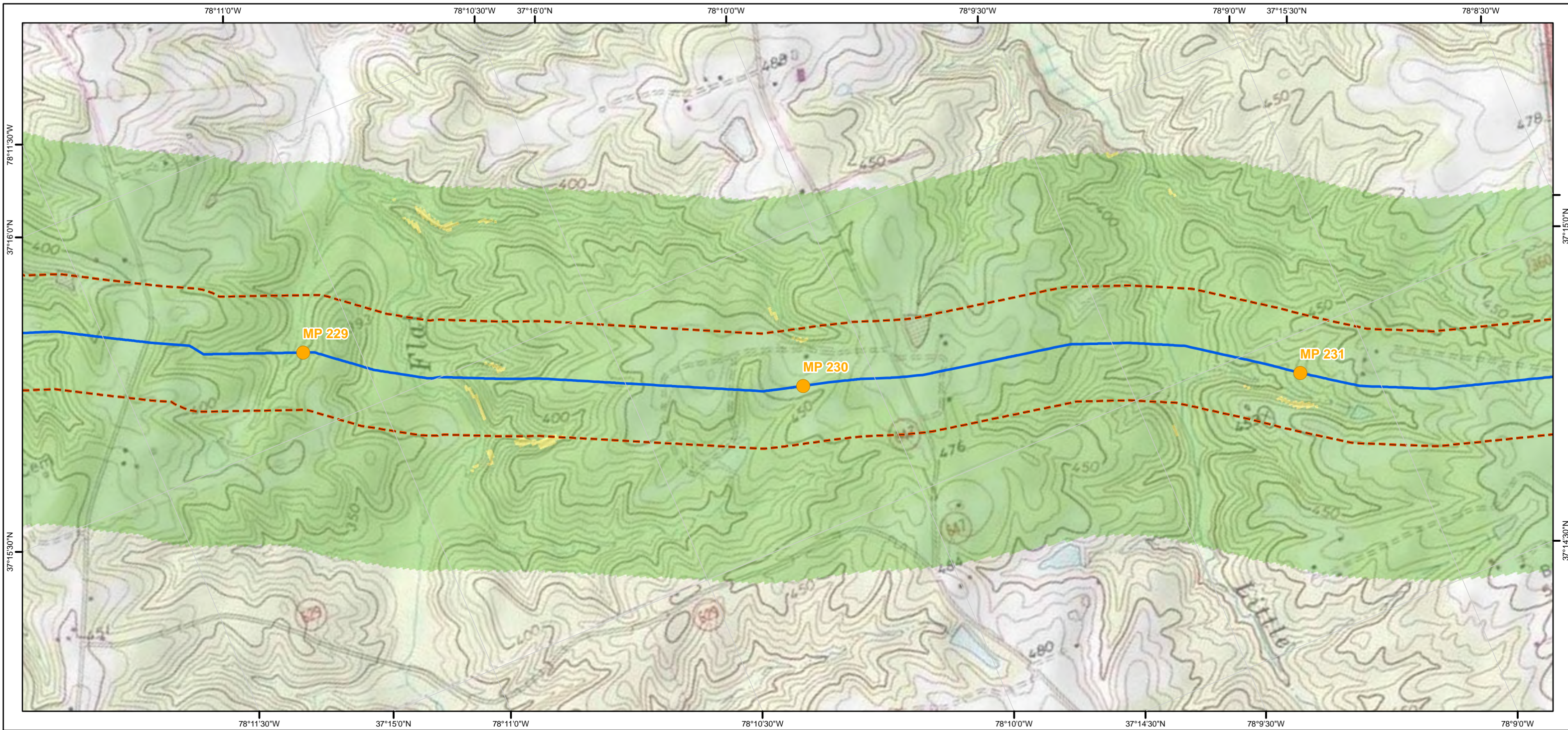
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

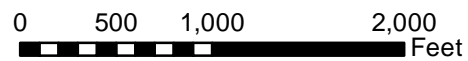
Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 99 of 216

1:12,000



Document Information:

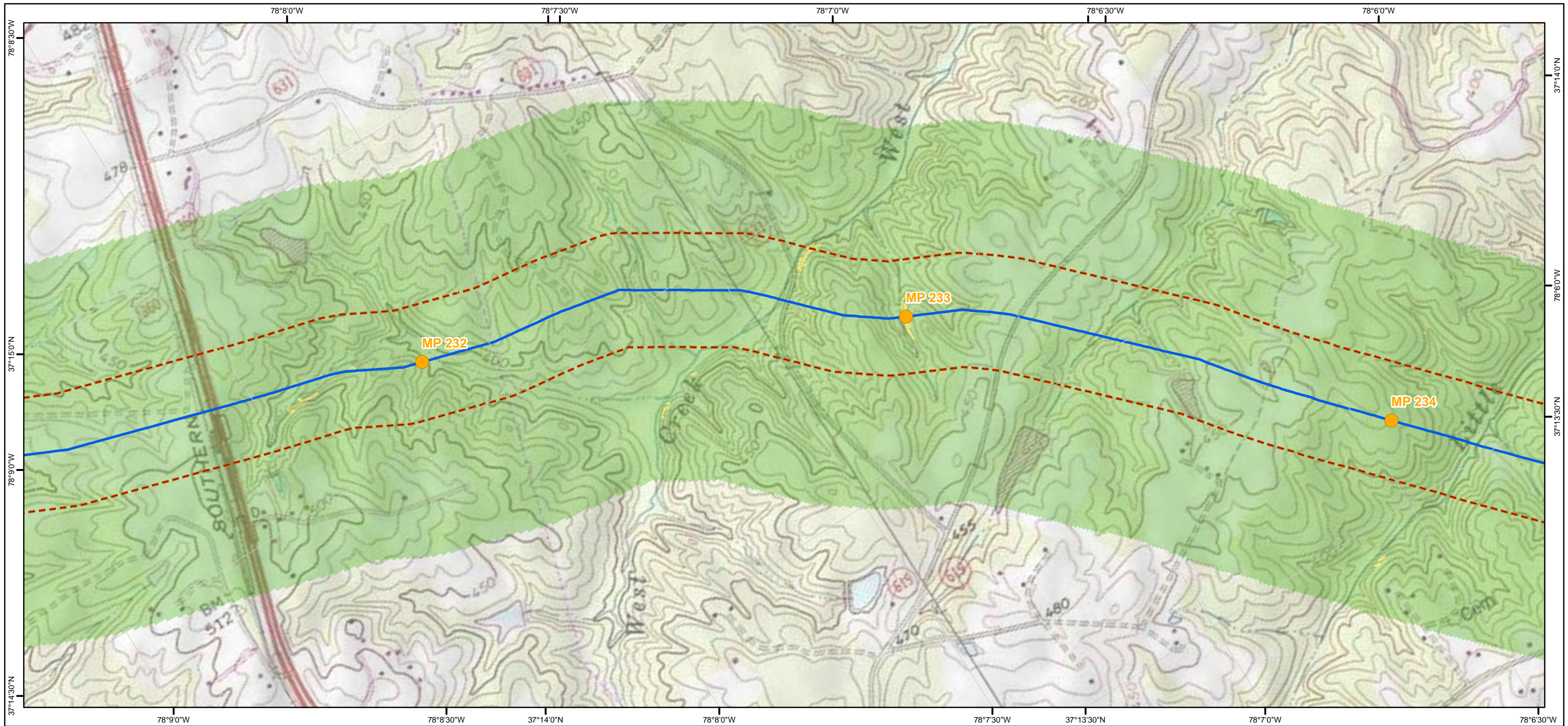
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)





Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project

Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 100 of 216

1:12,000

Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

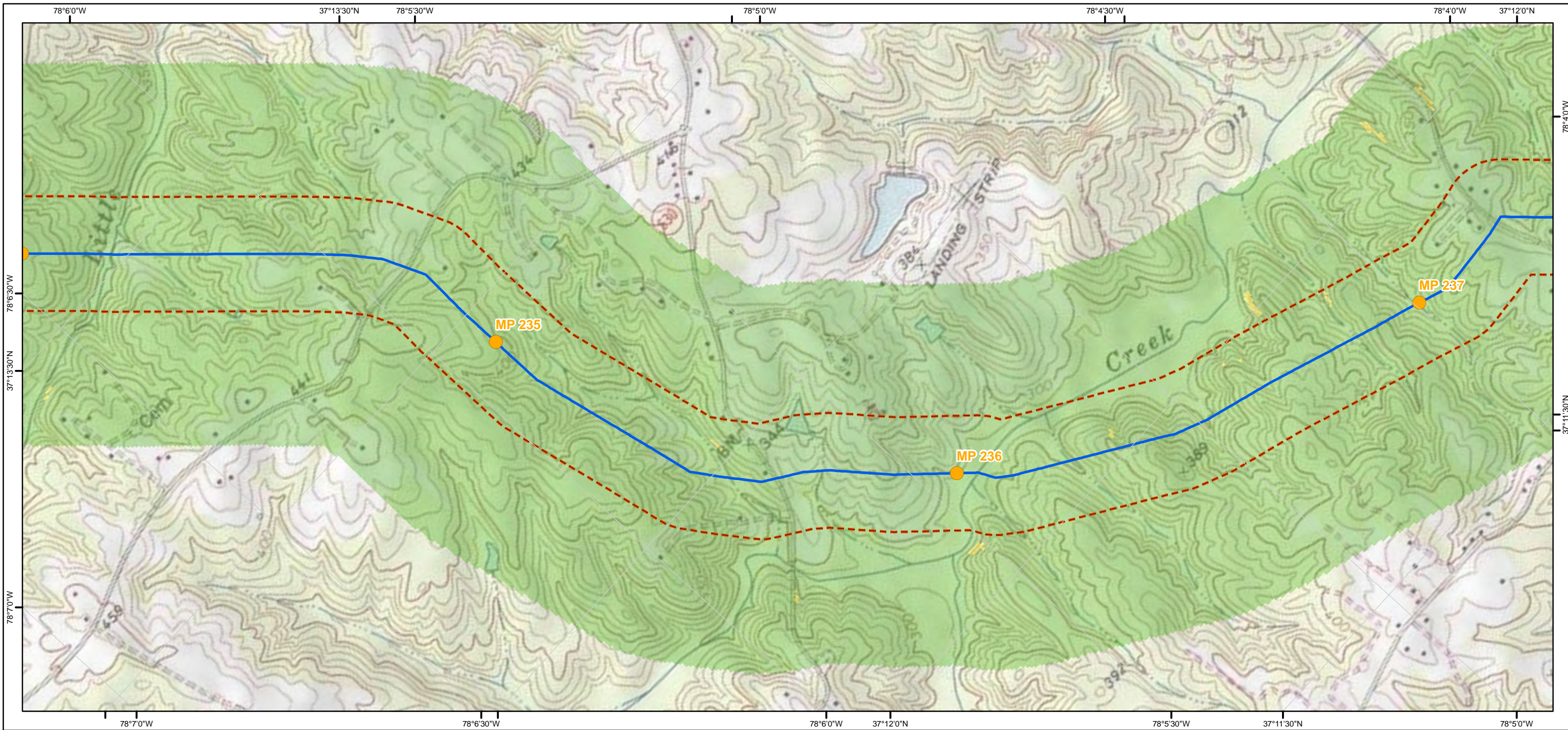
Dominion

Geosyntec

consultants

TESSE

ATIONS



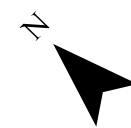
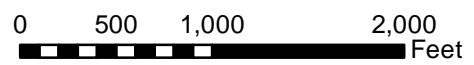
Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 101 of 216

1:12,000



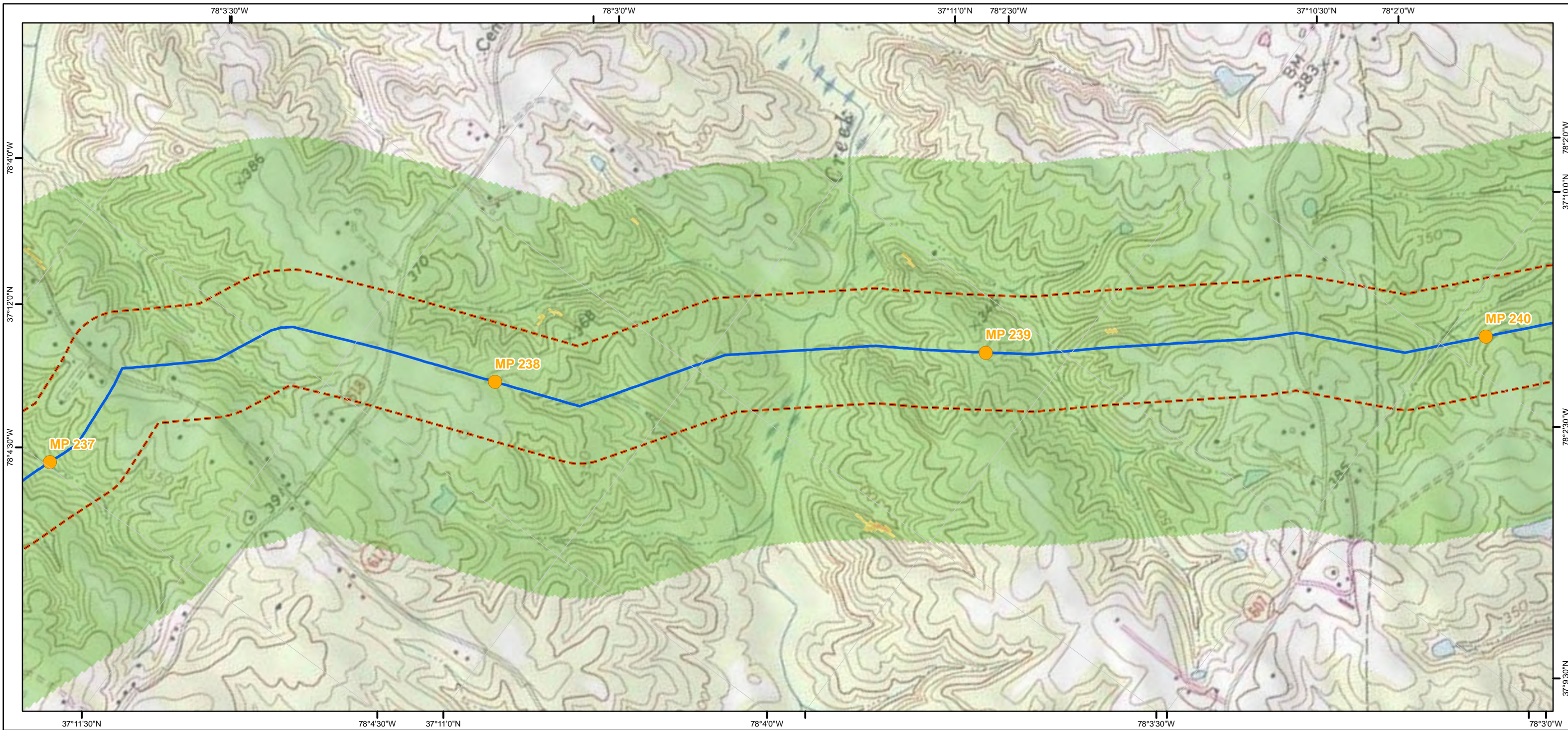
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



Legend

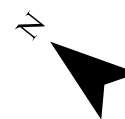
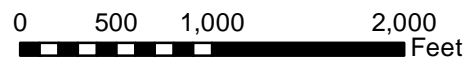
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 102 of 216

1:12,000



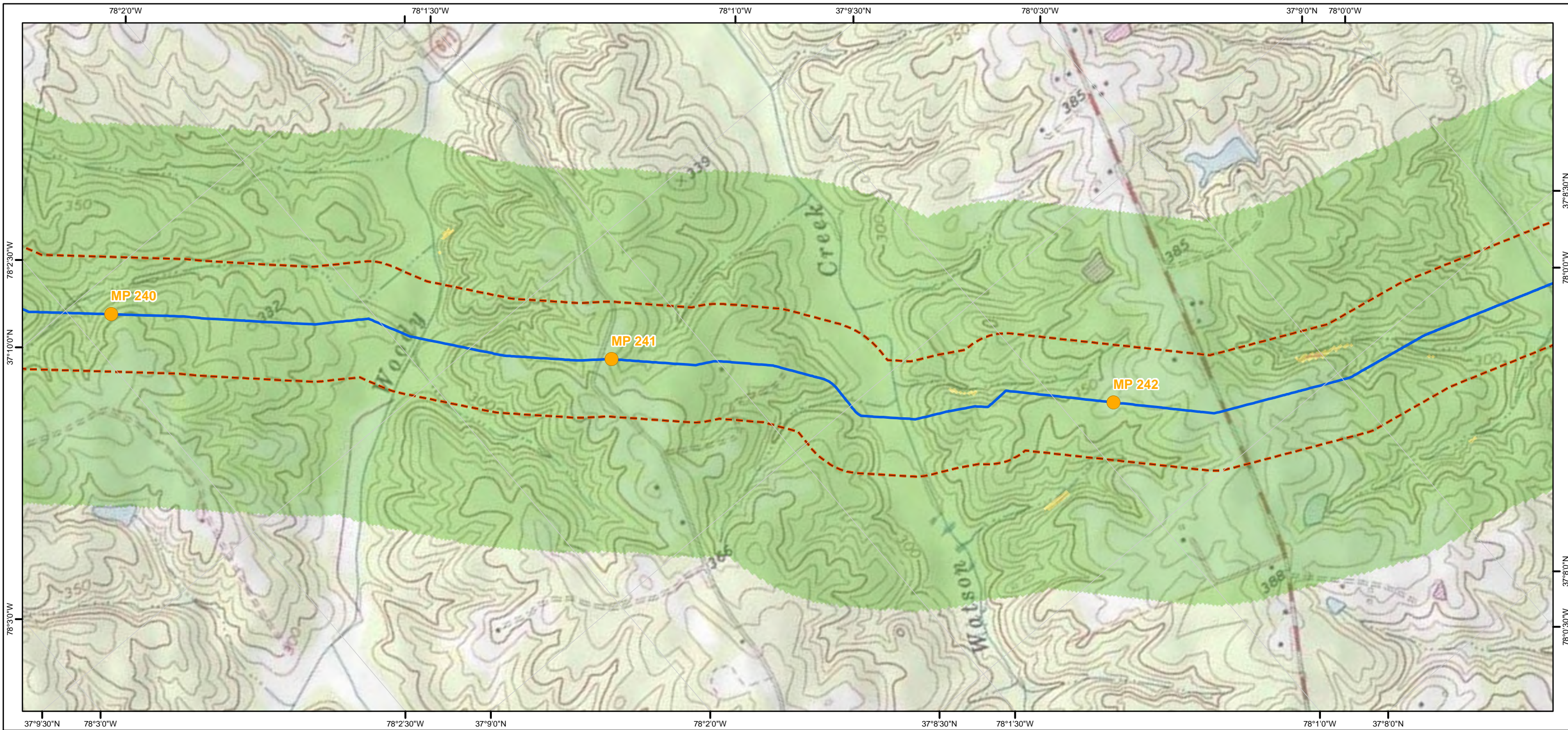
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

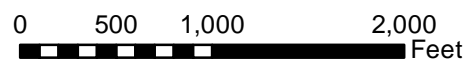


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 103 of 216

1:12,000



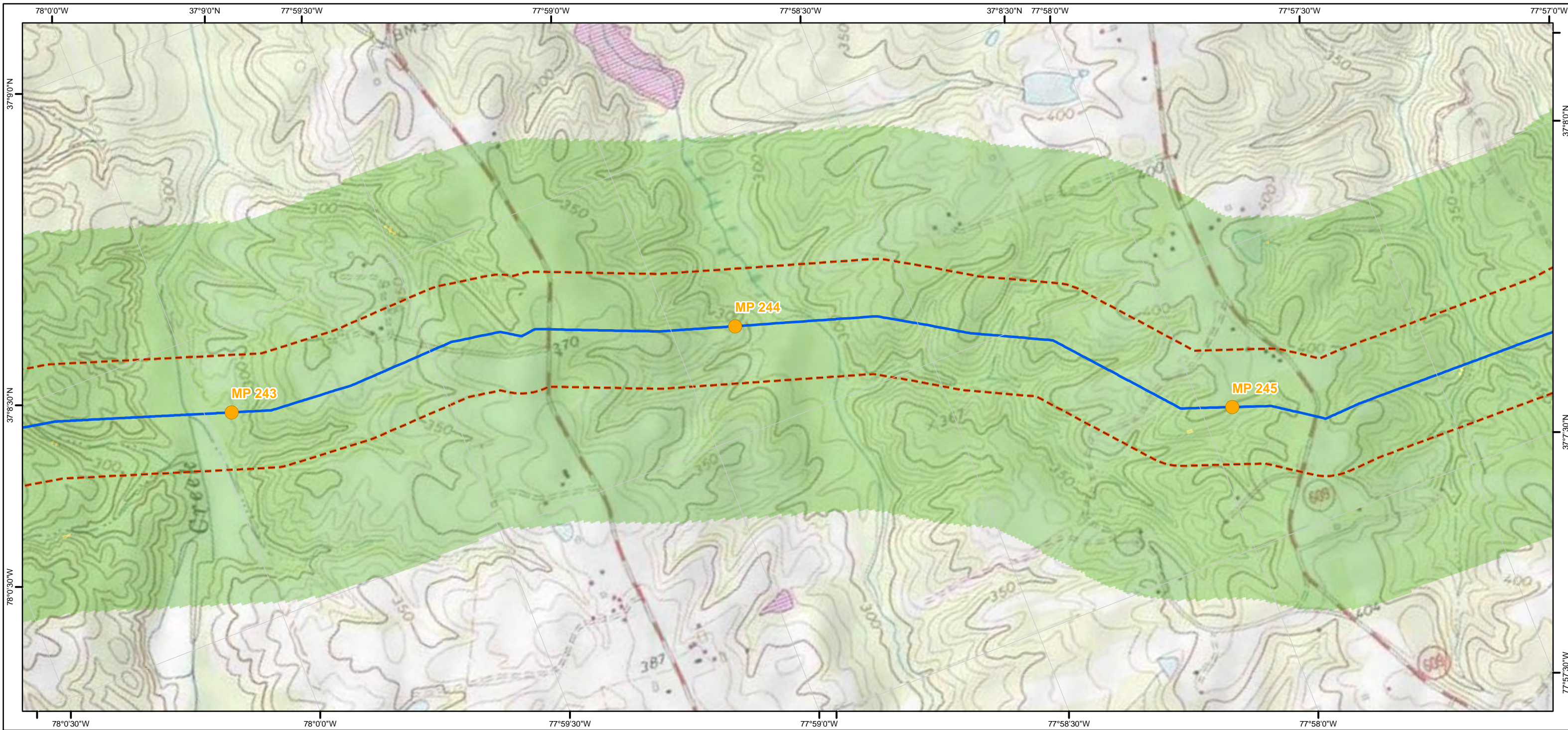
Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

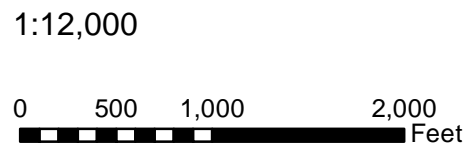
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)



- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 104 of 216



Document Information:

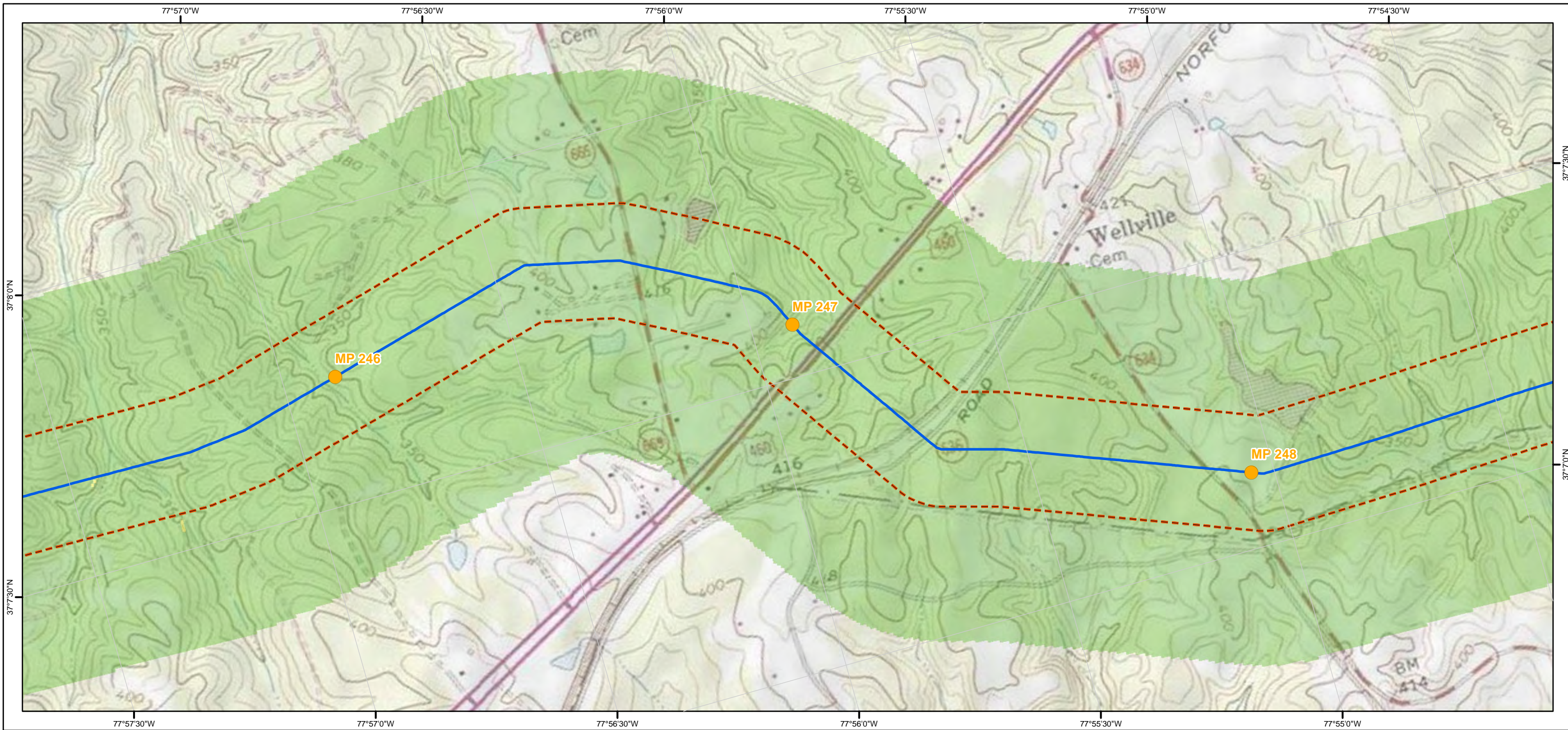
Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants
TESSE ENGINEERING



Legend

- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

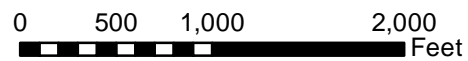
Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 105 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

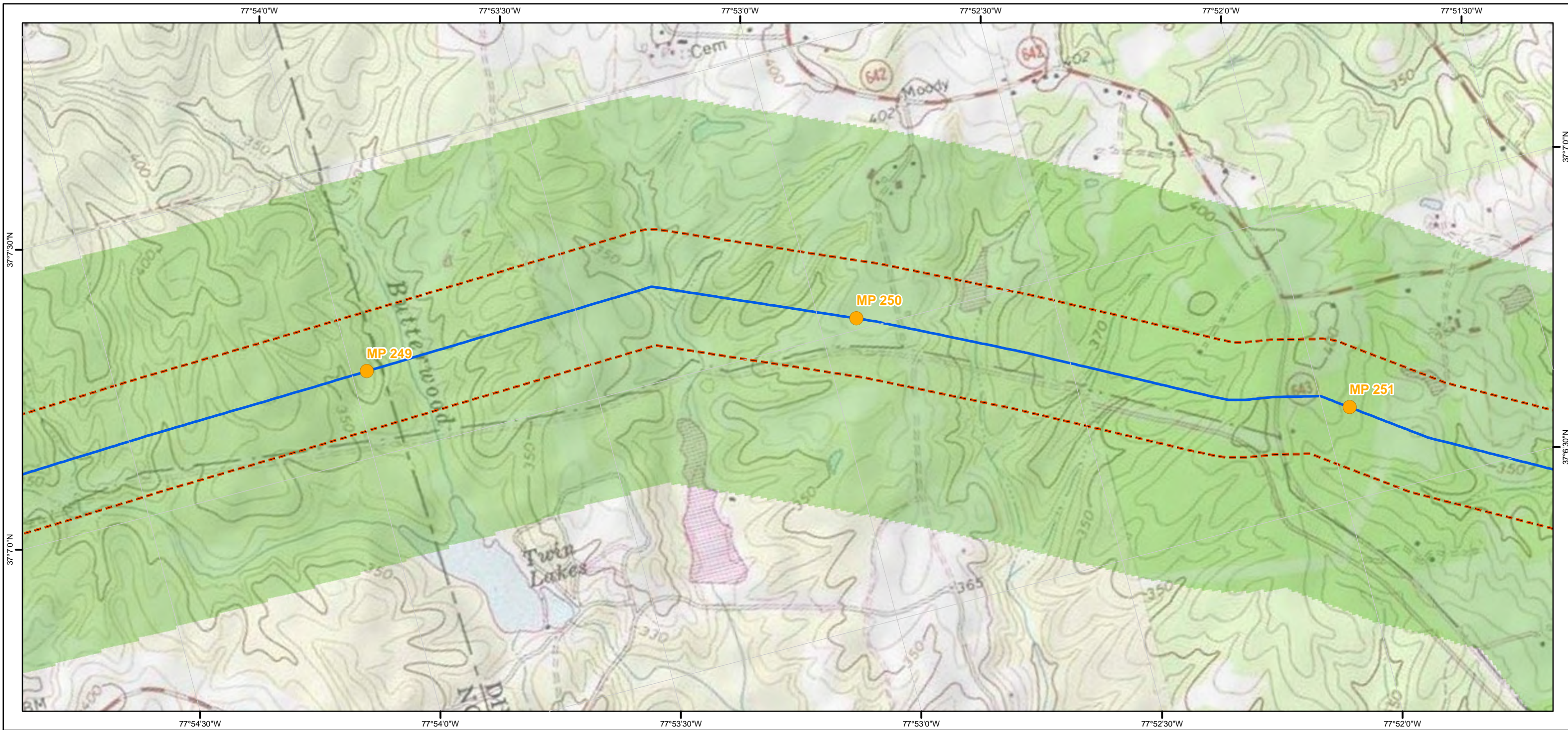


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

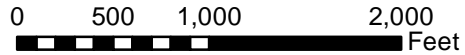
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

Slope Inclination

- < 30% (Gentle)
- 30.01% - 40% (Moderately Steep)
- 40.01% - 58% (Very Steep)
- > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook Sheet 106 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

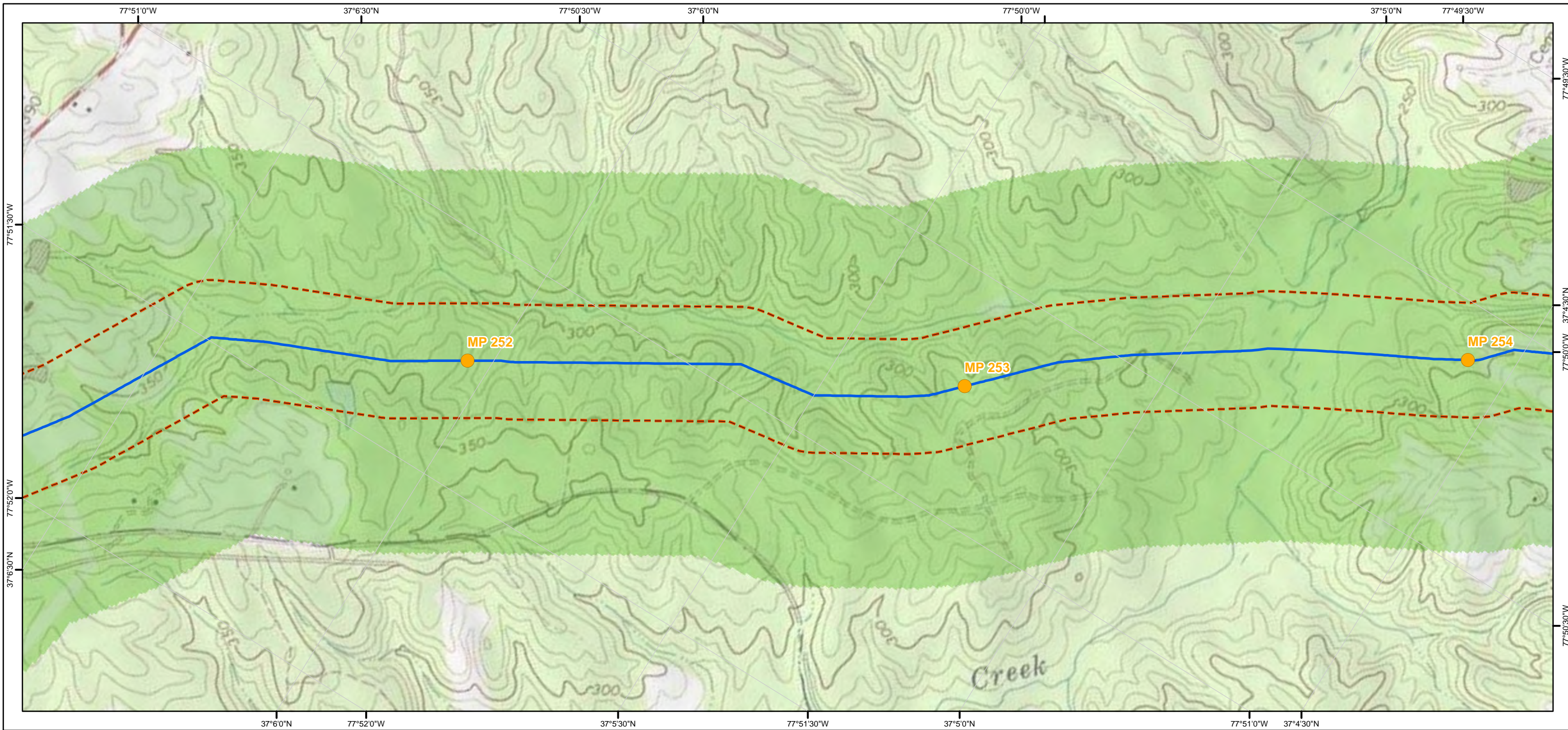


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

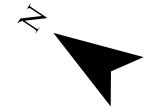
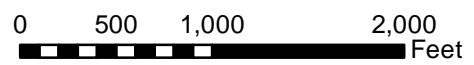
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely Steep)

Atlantic Coast Pipeline and Supply Header Project Active and Abandoned Subsurface Mines and Slope Inclination Mapbook

Sheet 107 of 216

1:12,000



Document Information:

Document No: DOM_EC_SUB_MA_SER001

Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

Notes:

- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)