

Legend

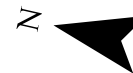
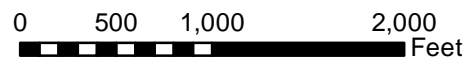
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 108 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)

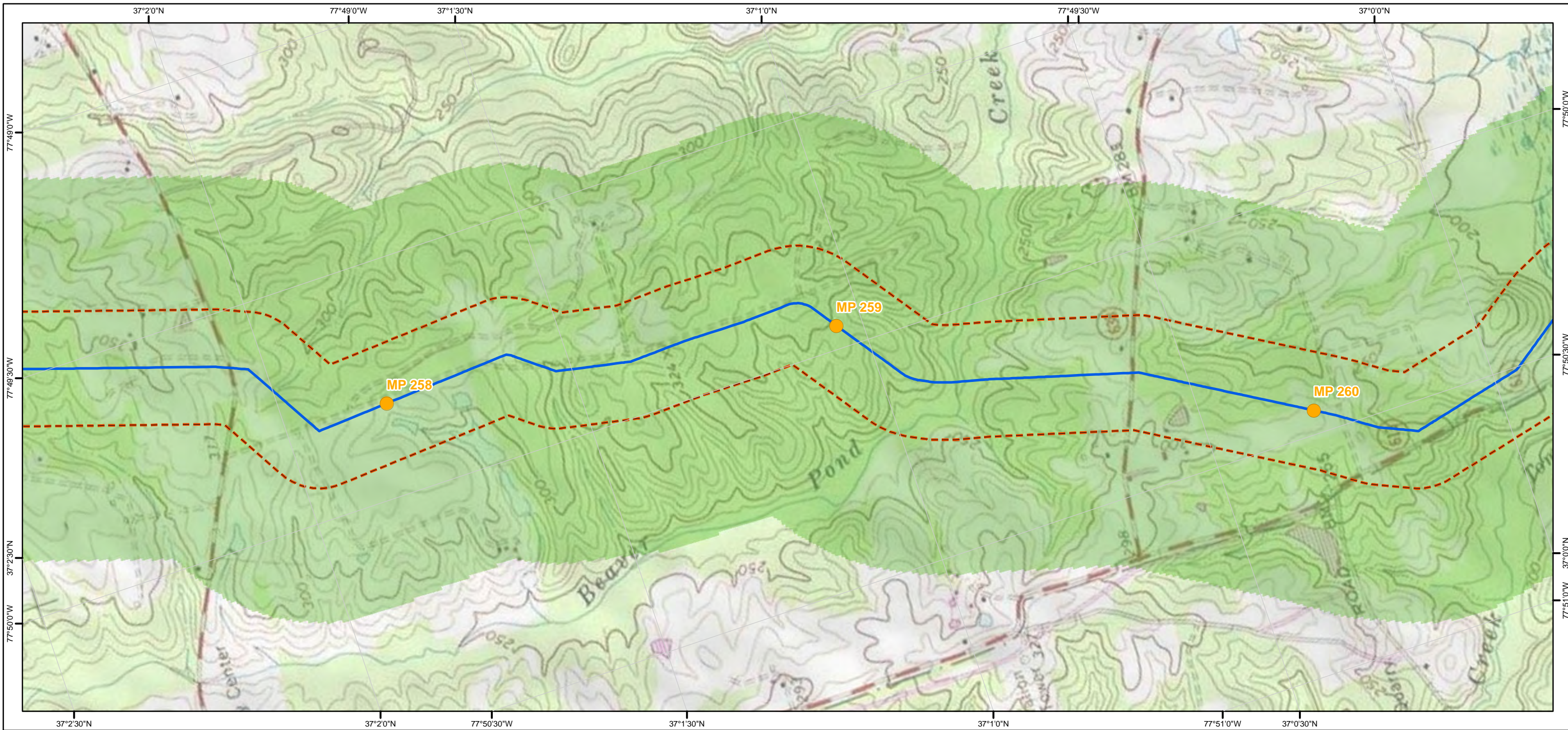


Dominion[®]

Geosyntec

consultants

TESSELLATIONS



Legend

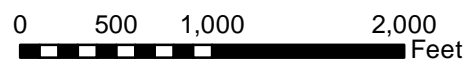
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 109 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)

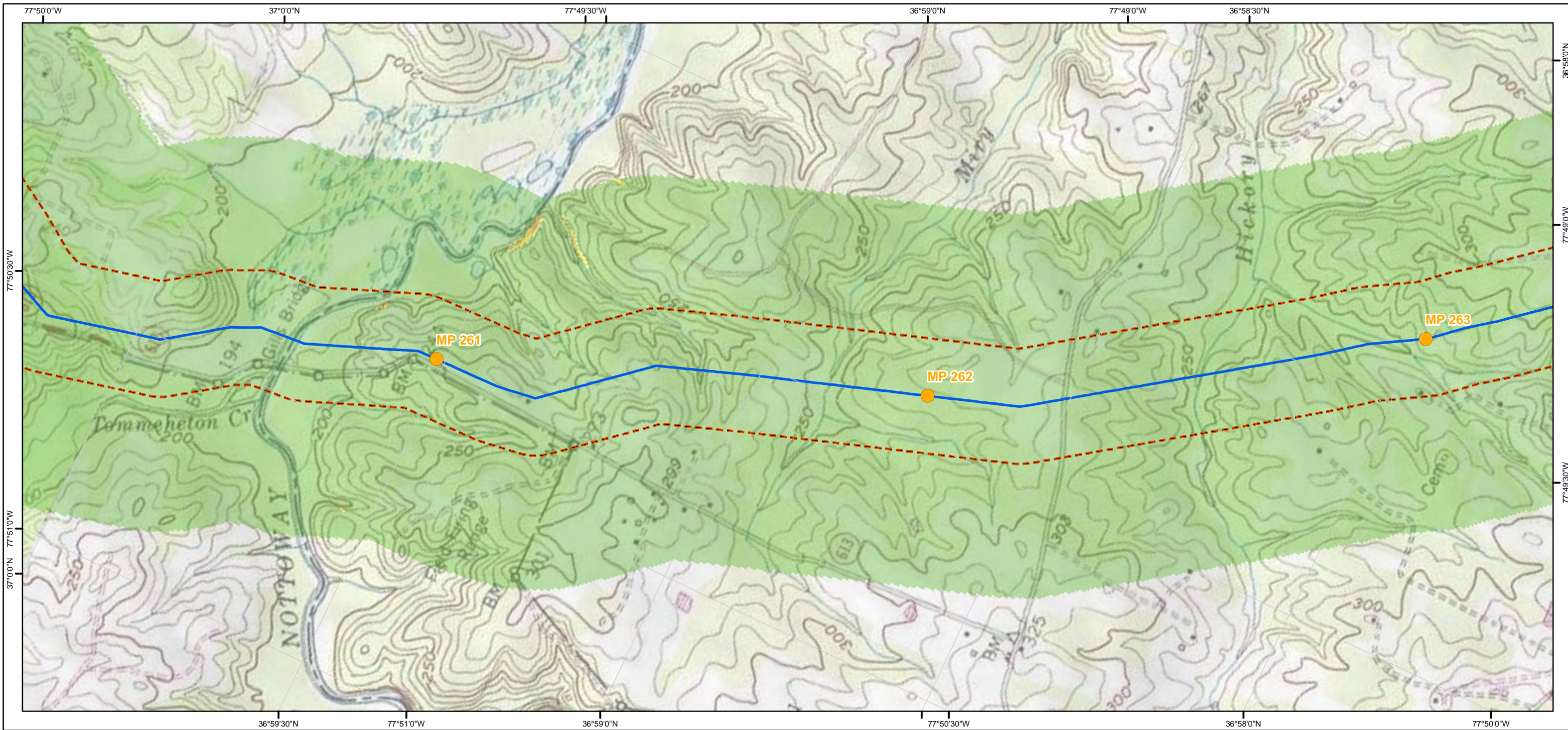


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

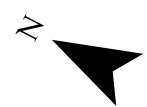
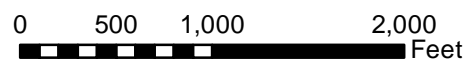
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 110 of 216

1:12,000



Document Information:

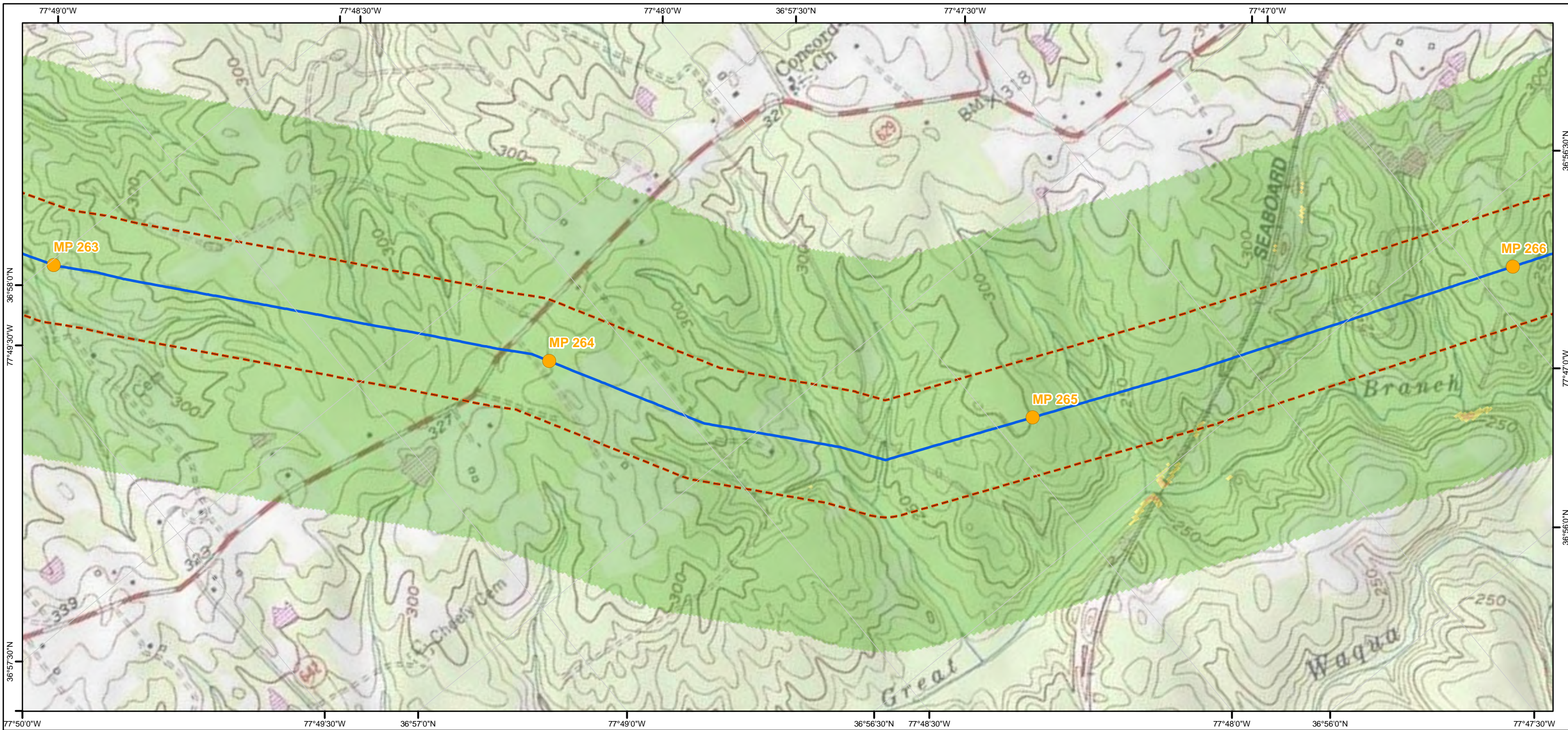
Document No: DOM_EC_SUB_MA_SER001

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



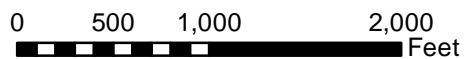
Legend

- 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 111 of 216

1:12,000



Document Information:

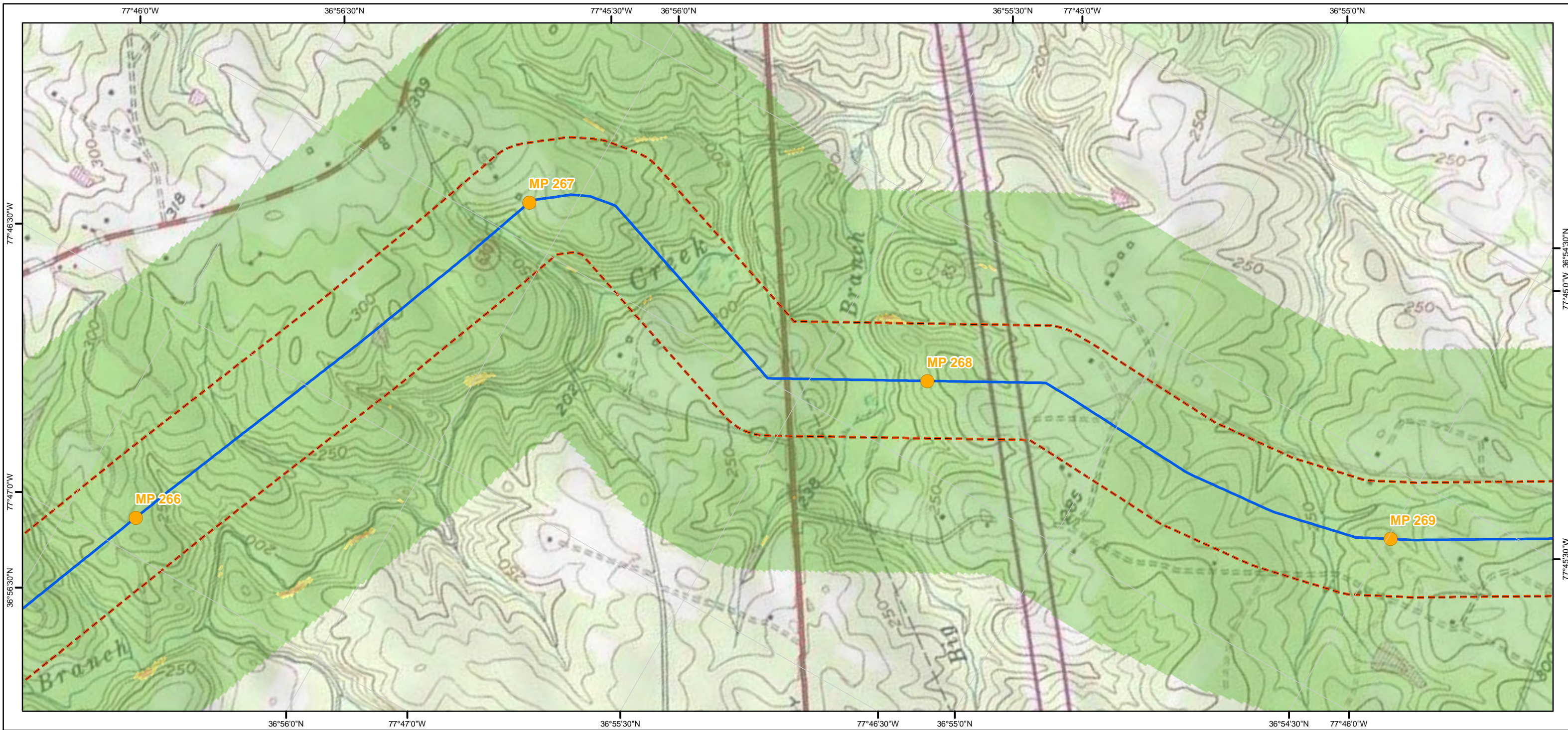
Document No: DOM_EC_SUB_MA_SER001

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

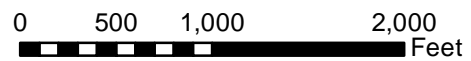
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

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 112 of 216

1:12,000



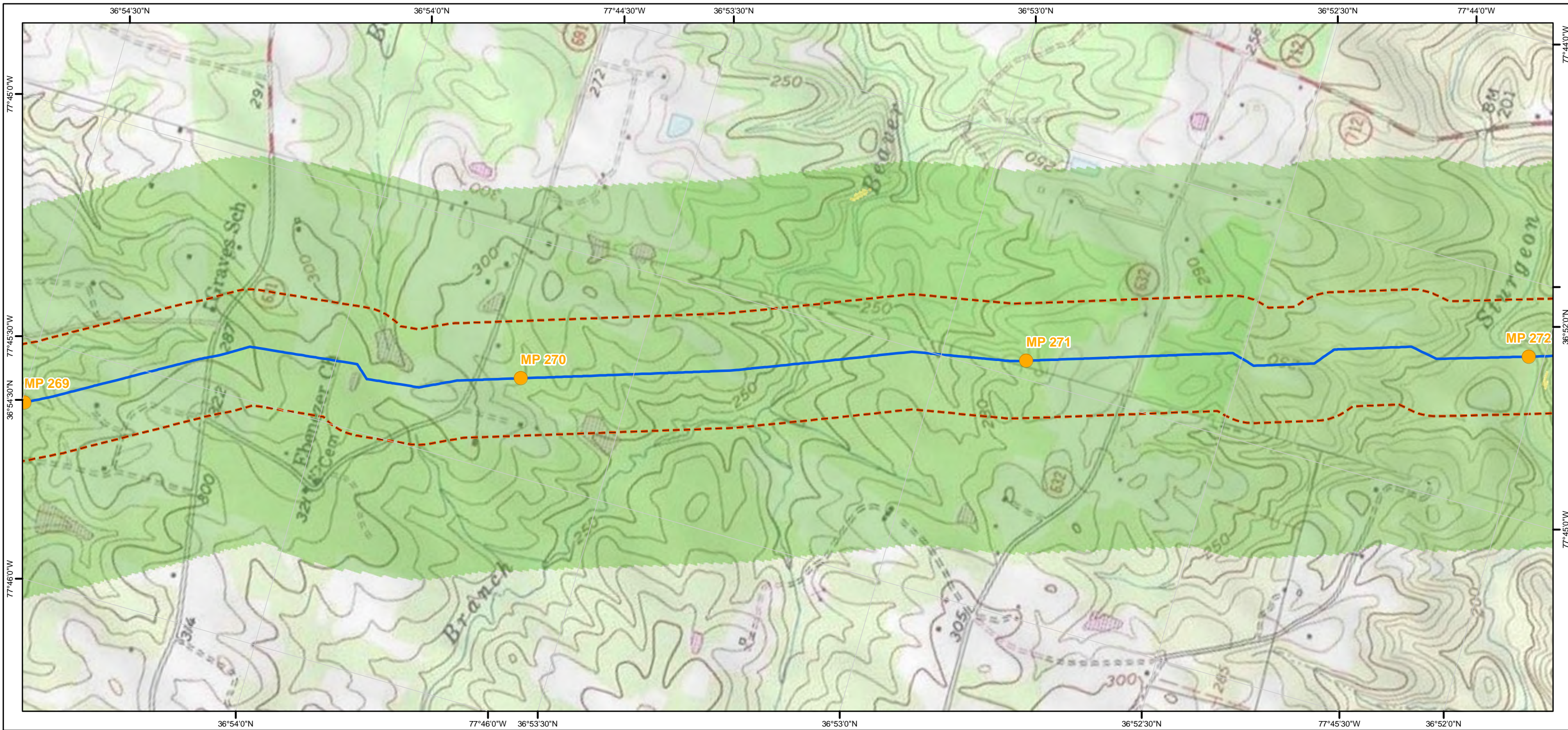
Document Information:

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 113 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

ATIONS

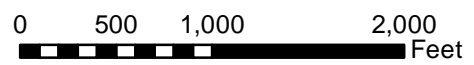


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely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

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

Sheet 114 of 216

1:12,000



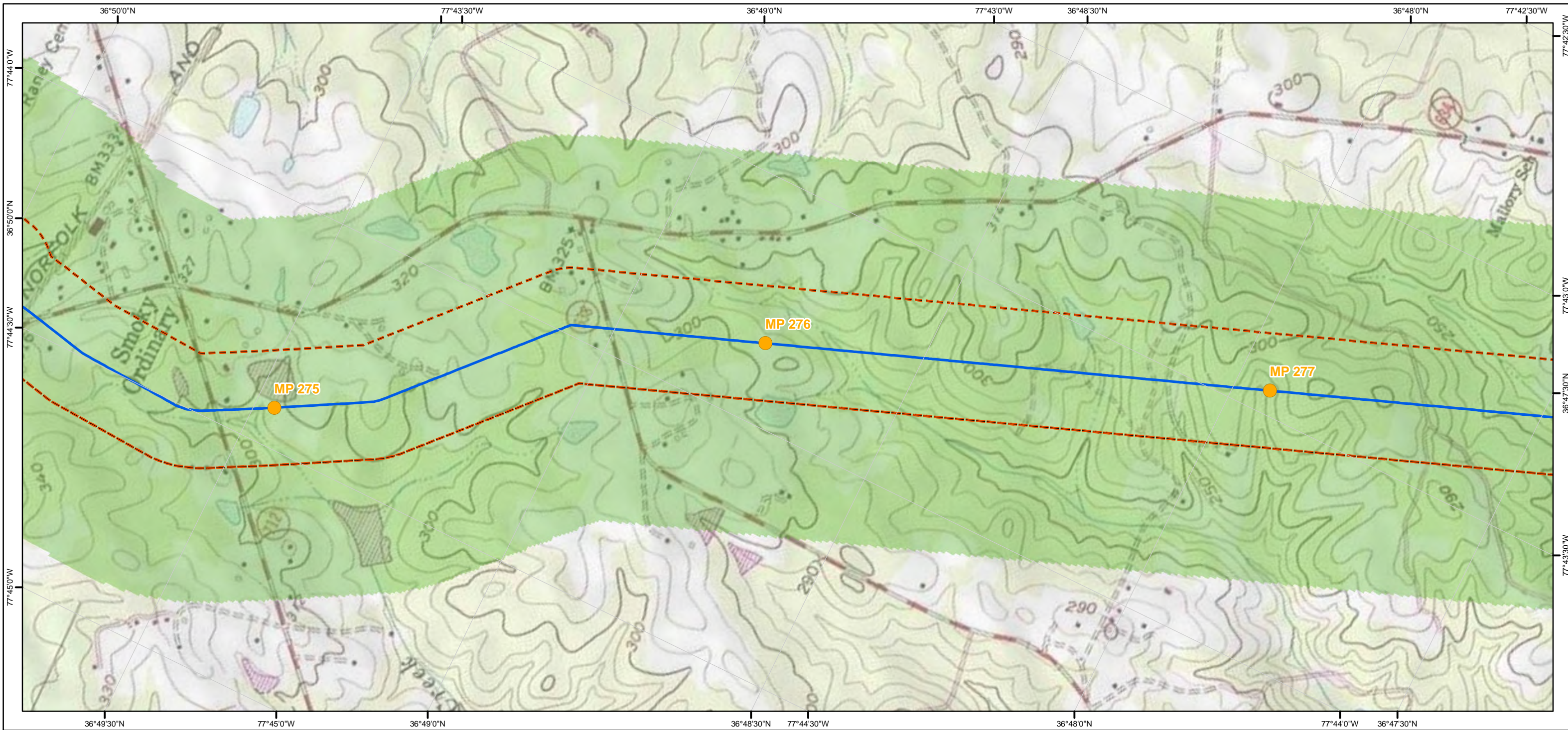
Document Information:

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)



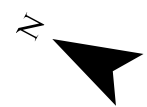
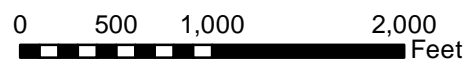
Legend

- 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 115 of 216

1:12,000



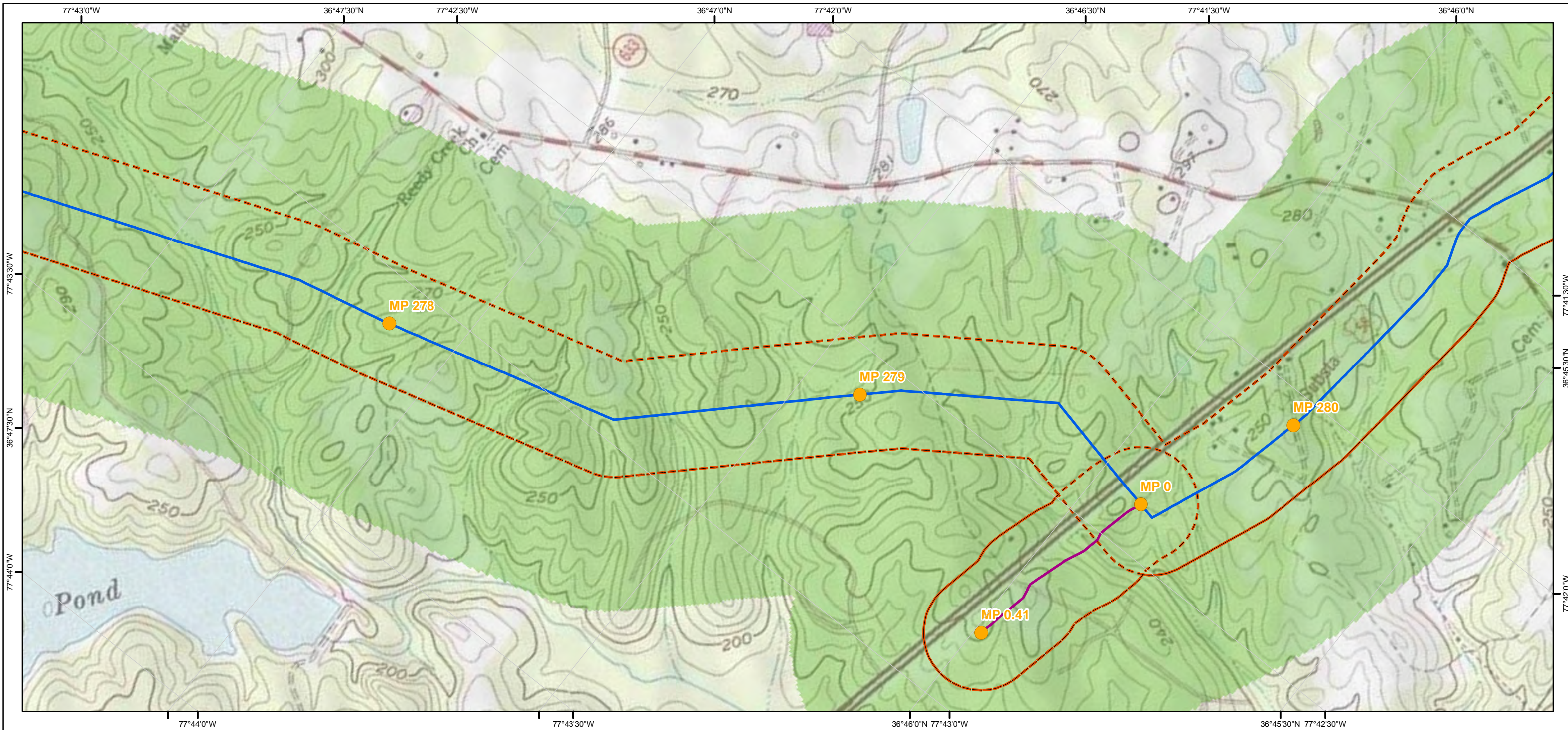
Document Information:

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)



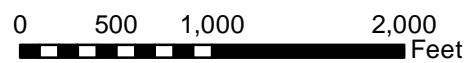
Legend

- 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 116 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)

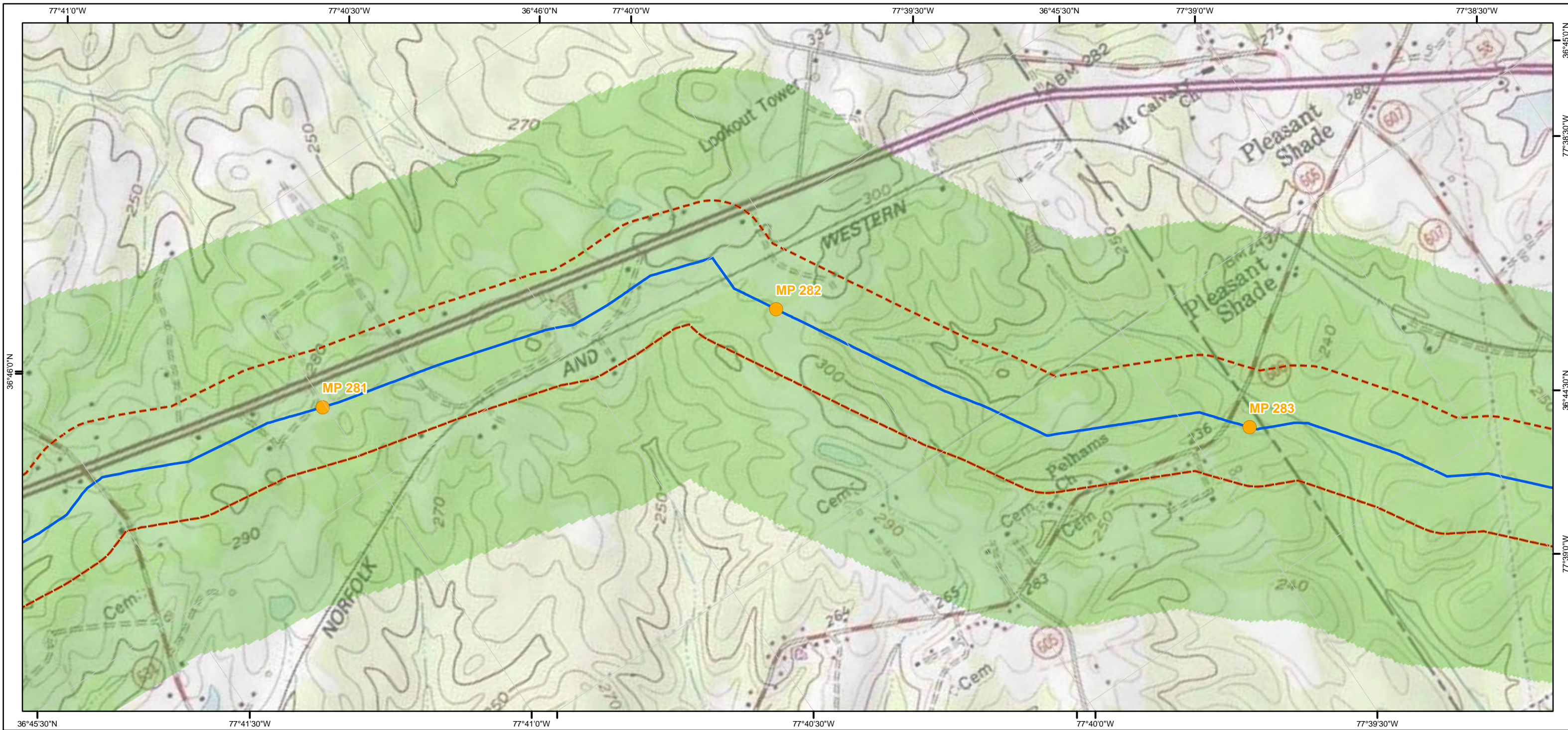


Dominion

Geosyntec

consultants

TESSE **ATIONS**



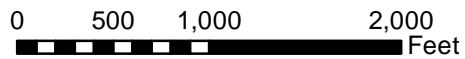
Legend

- 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 117 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)

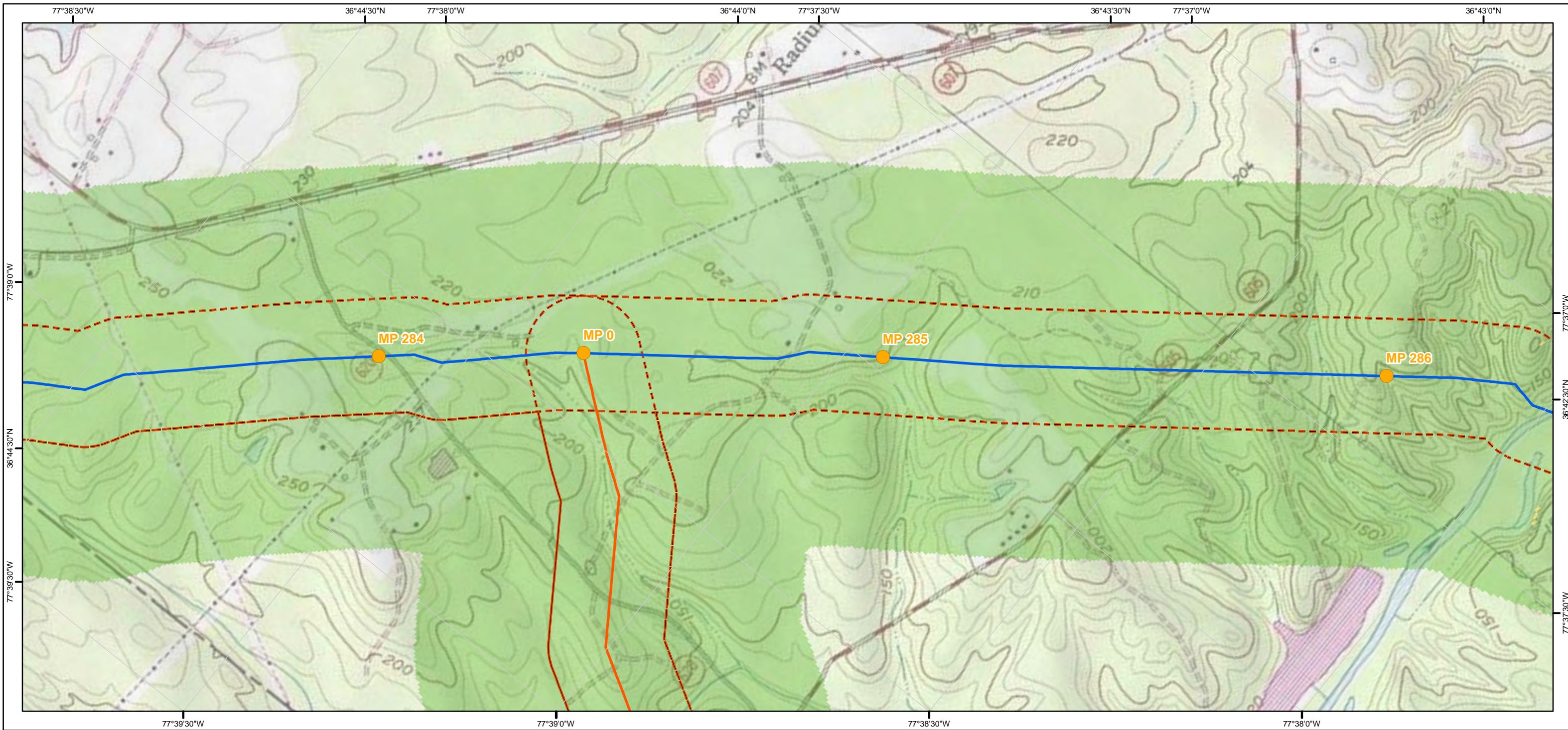


Dominion

Geosyntec

consultants

TESSE **ATIONS**



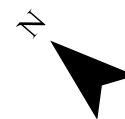
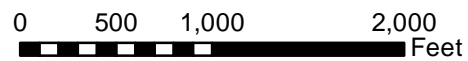
Legend

- 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 118 of 216

1:12,000



Document Information:

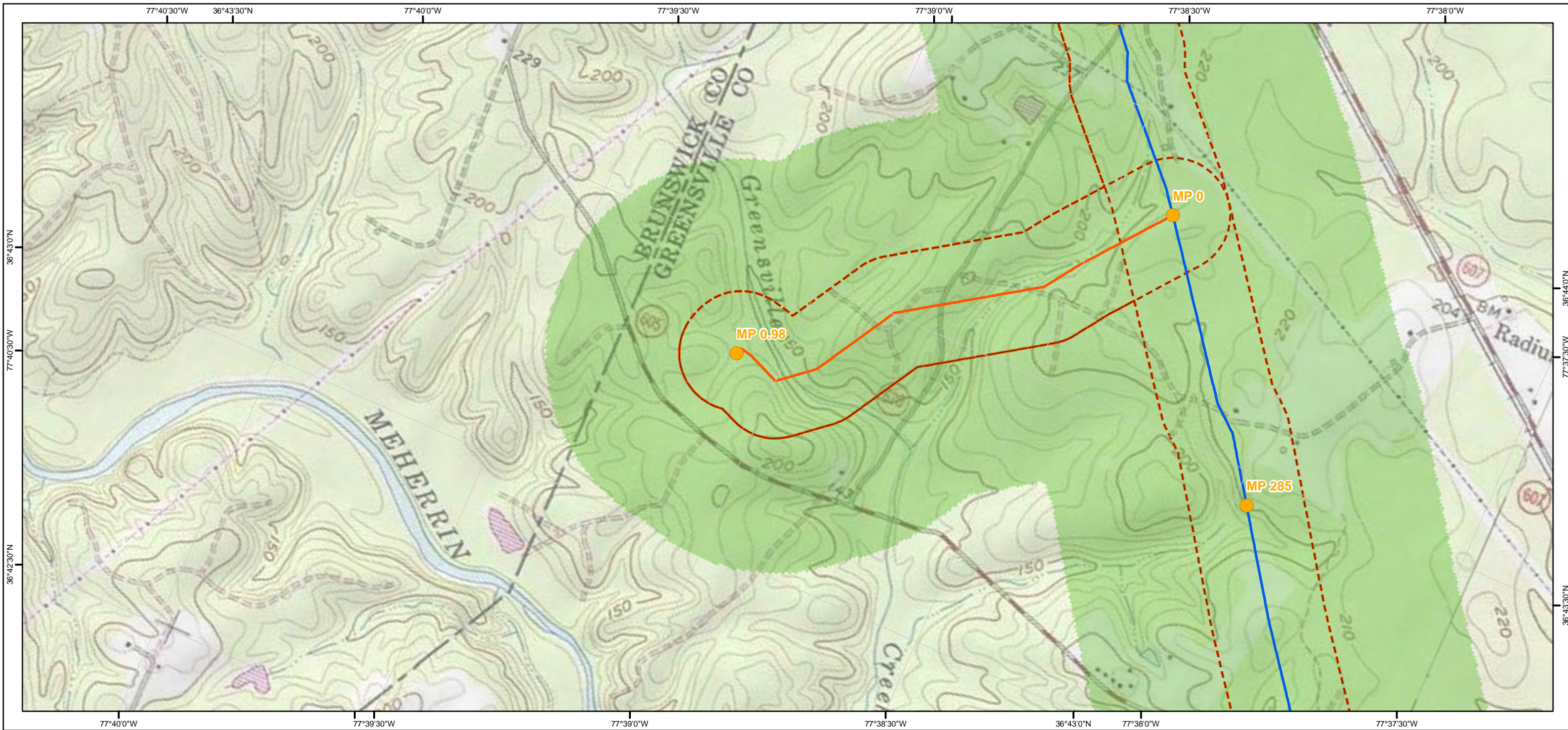
Document No: DOM_EC_SUB_MA_SER001

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)





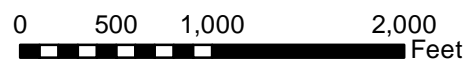
Legend

- 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 119 of 216

1:12,000



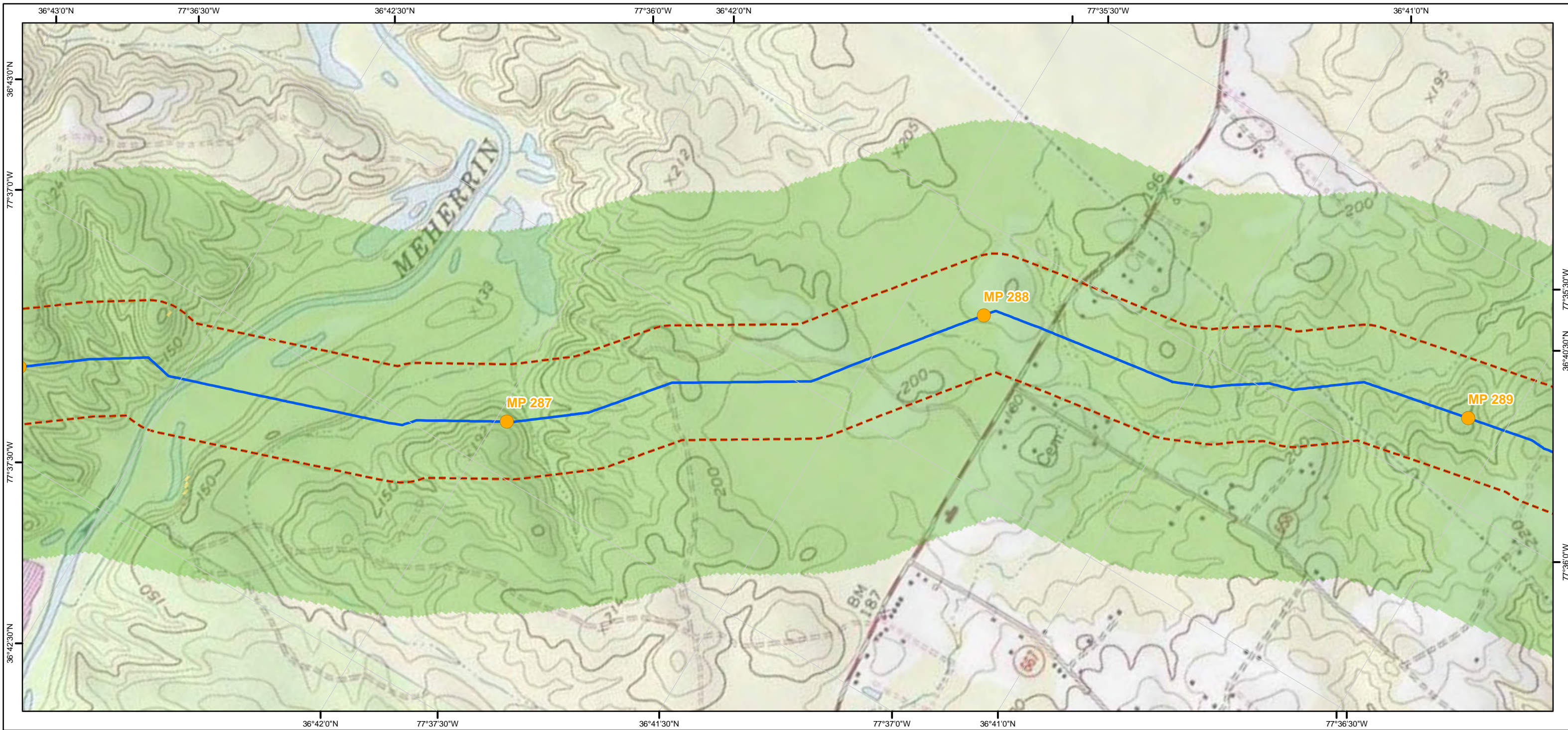
Document Information:

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

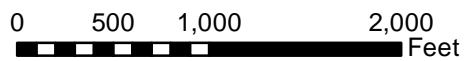
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 120 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)

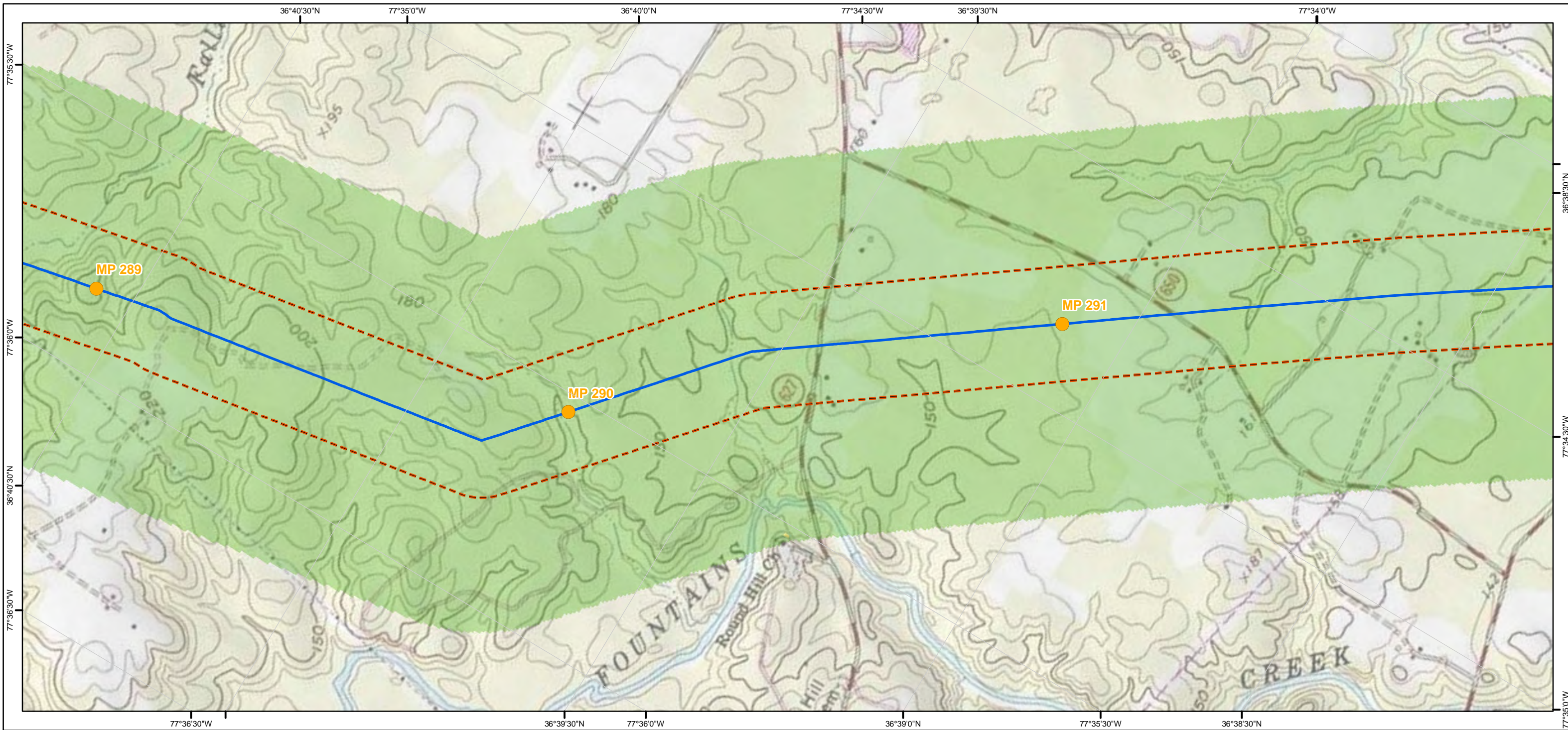


Dominion

Geosyntec

consultants

TESSE **ATIONS**



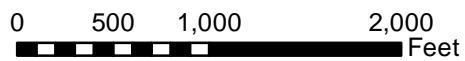
Legend

- 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 121 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)

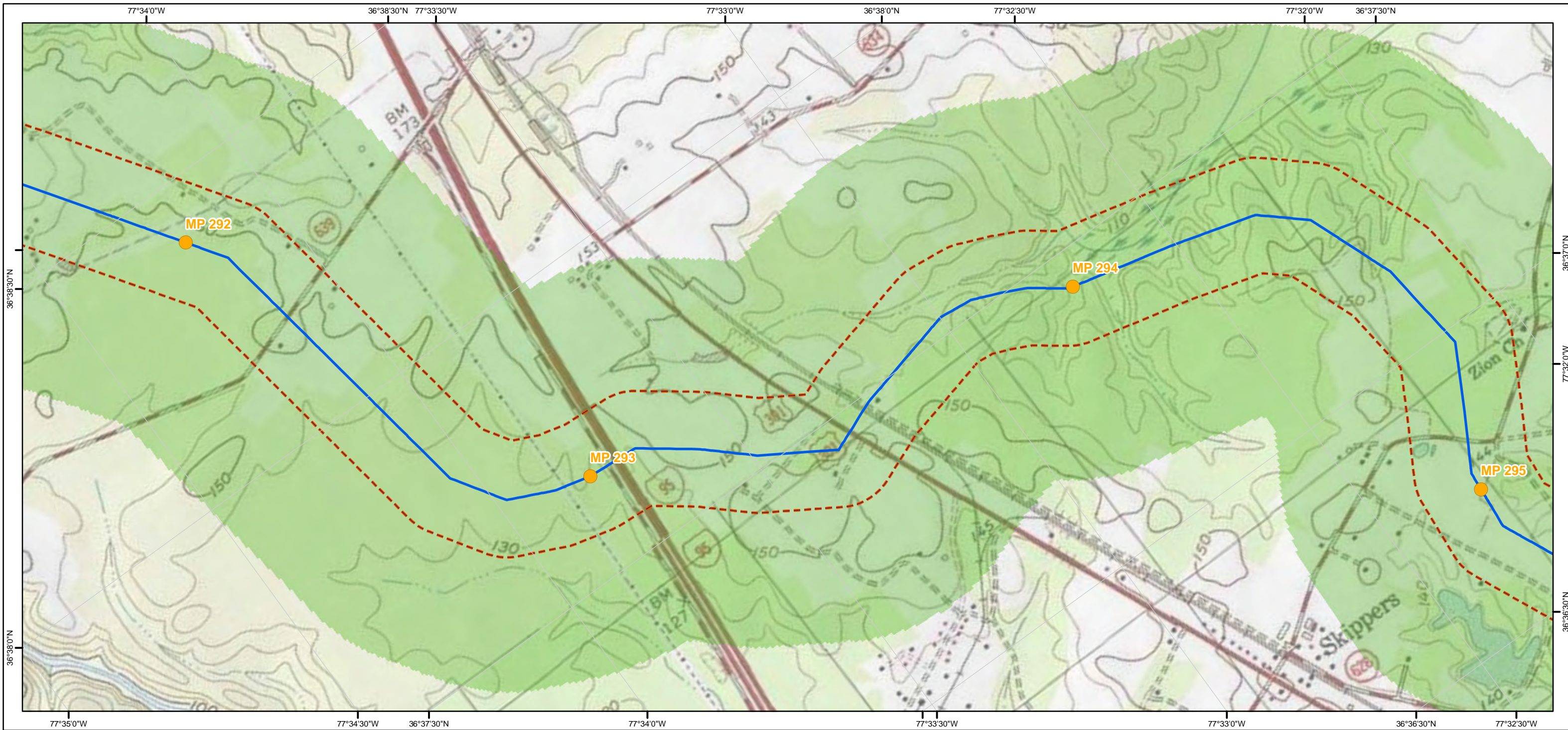


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

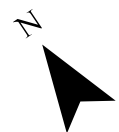
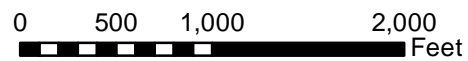
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 122 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)

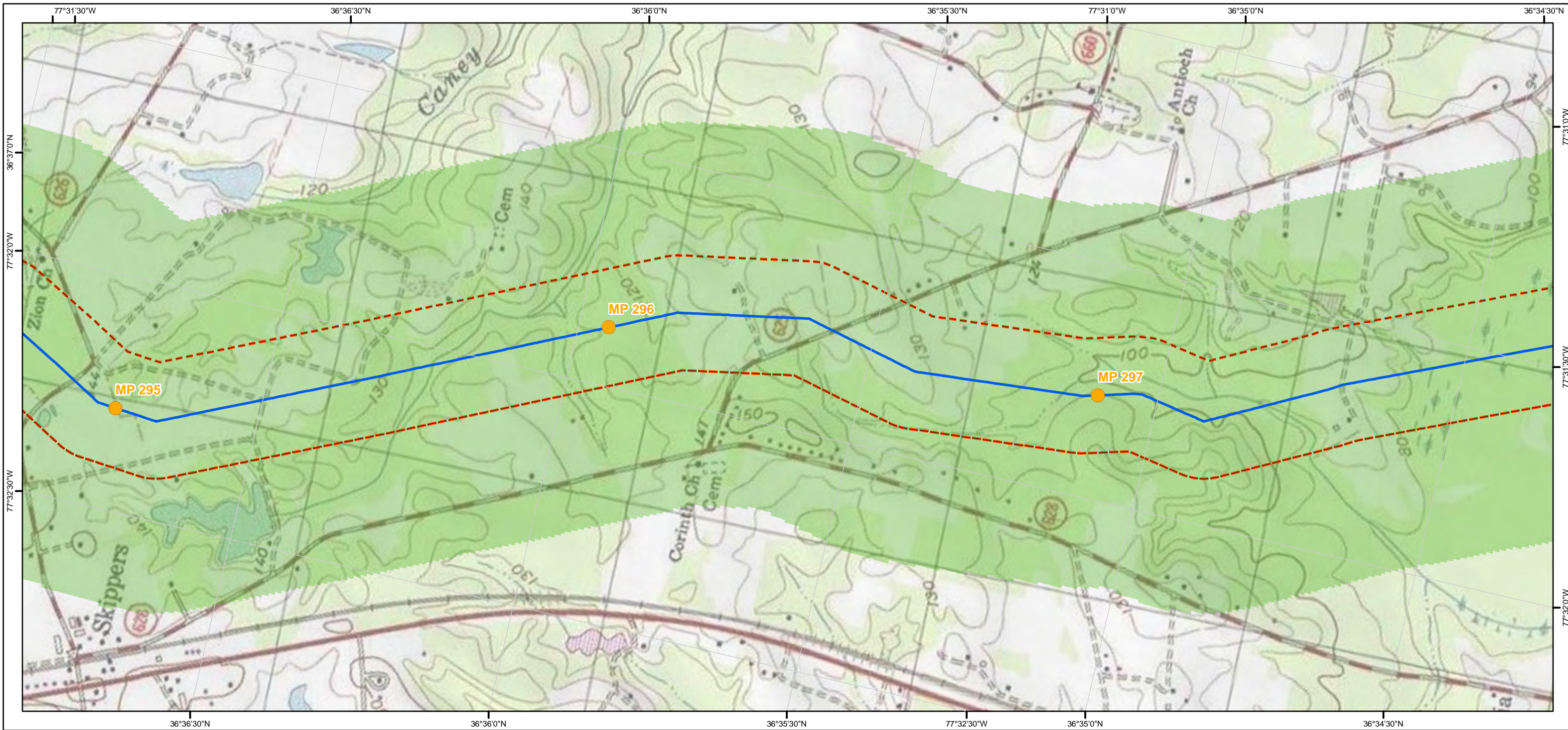


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

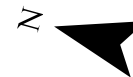
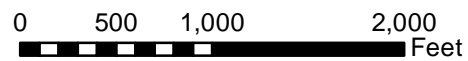
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 123 of 216

1:12,000



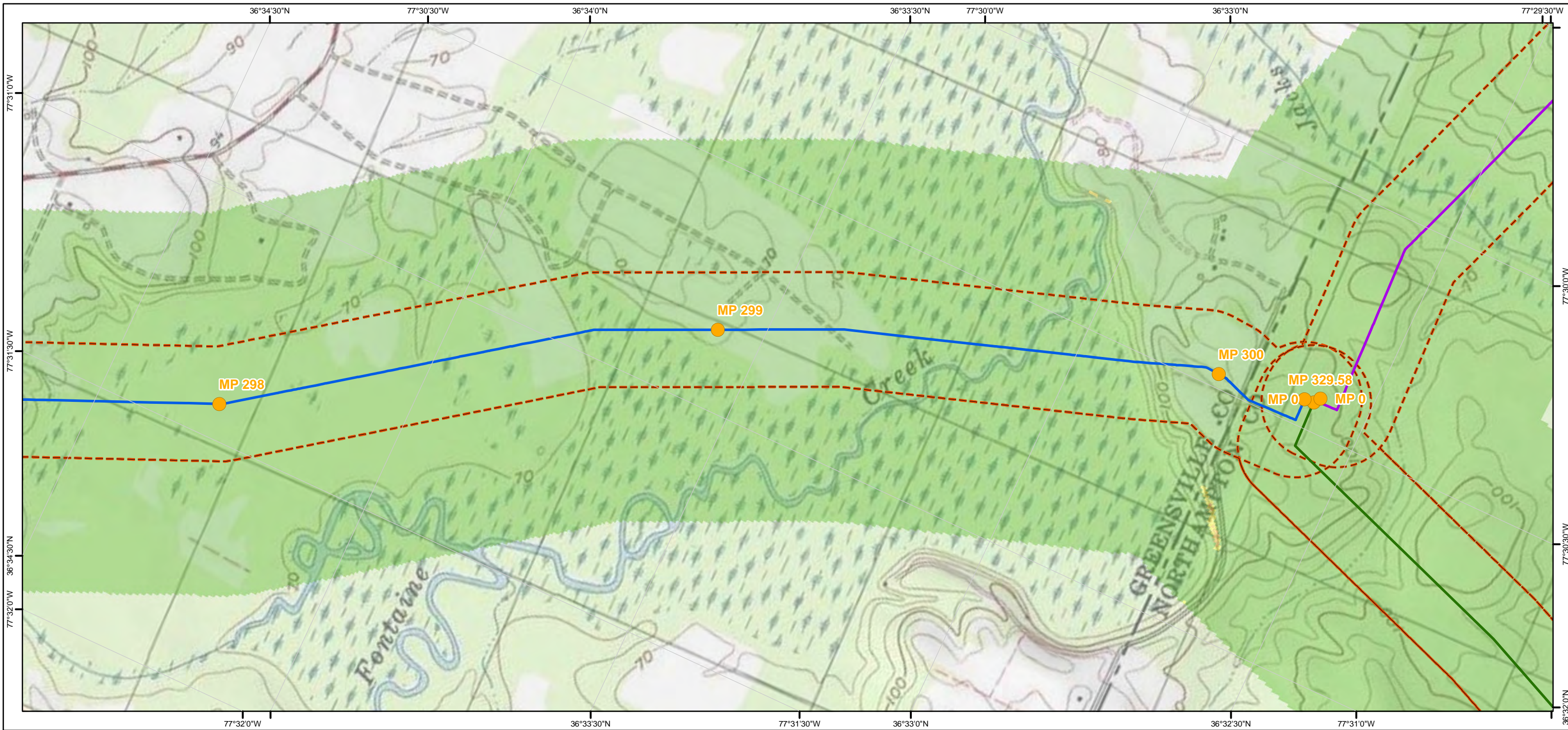
Document Information:

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)



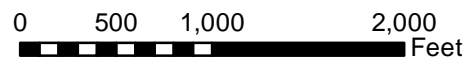
Legend

- 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 124 of 216

1:12,000



Document Information:

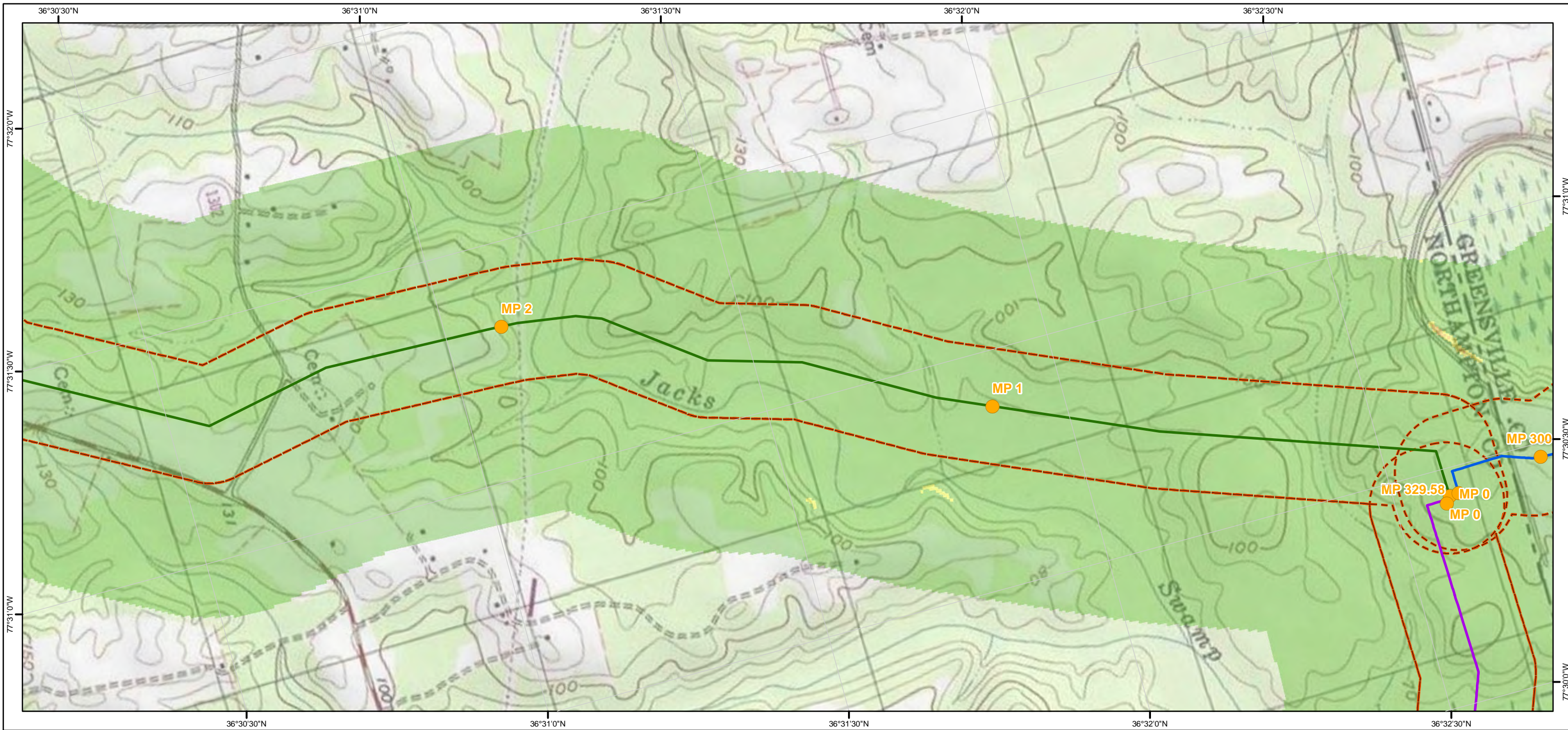
Document No: DOM_EC_SUB_MA_SER001

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

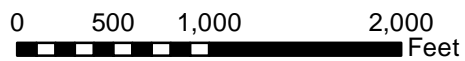
Slope Inclination

- < 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 125 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)

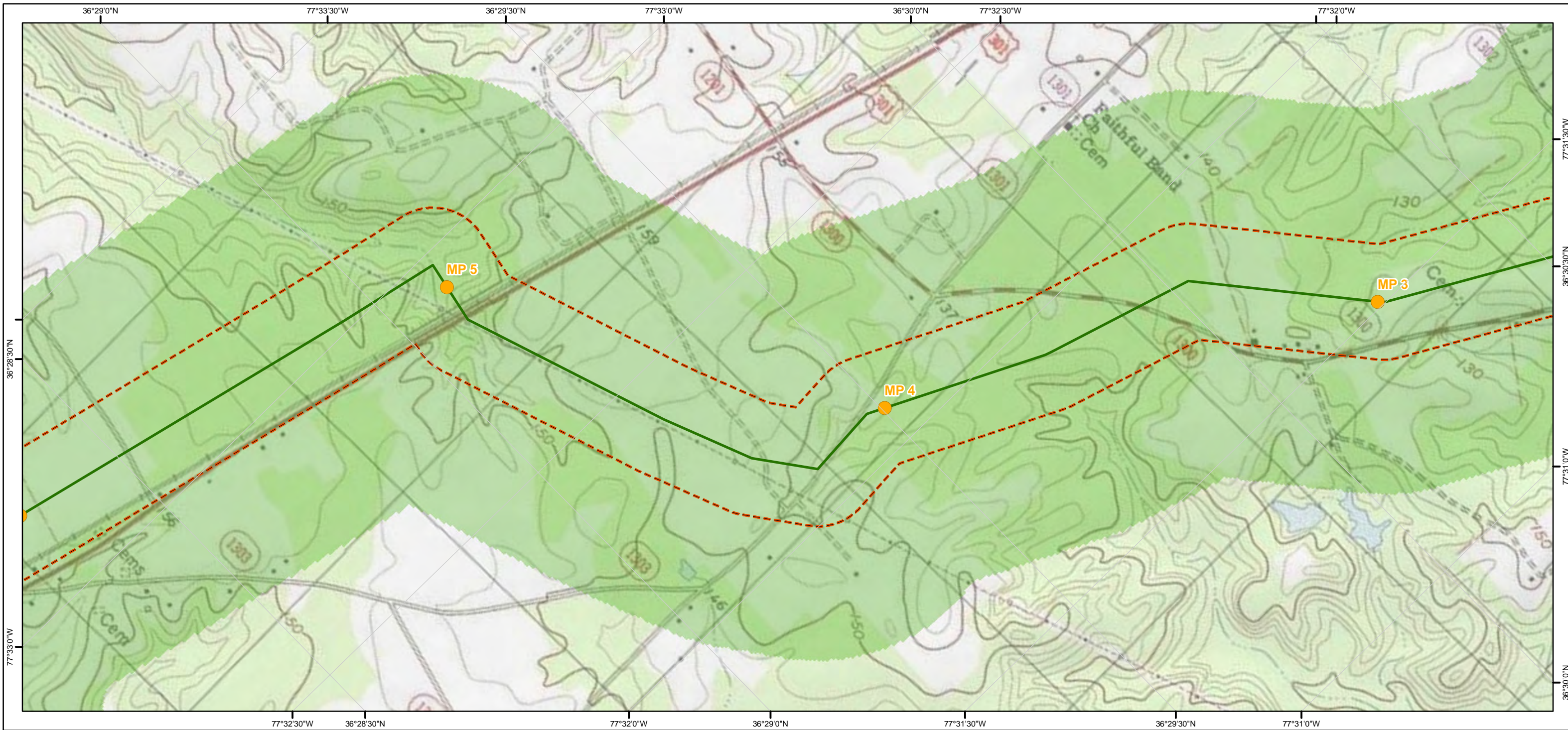


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

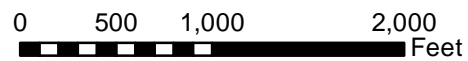
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 126 of 216

1:12,000



Document Information:

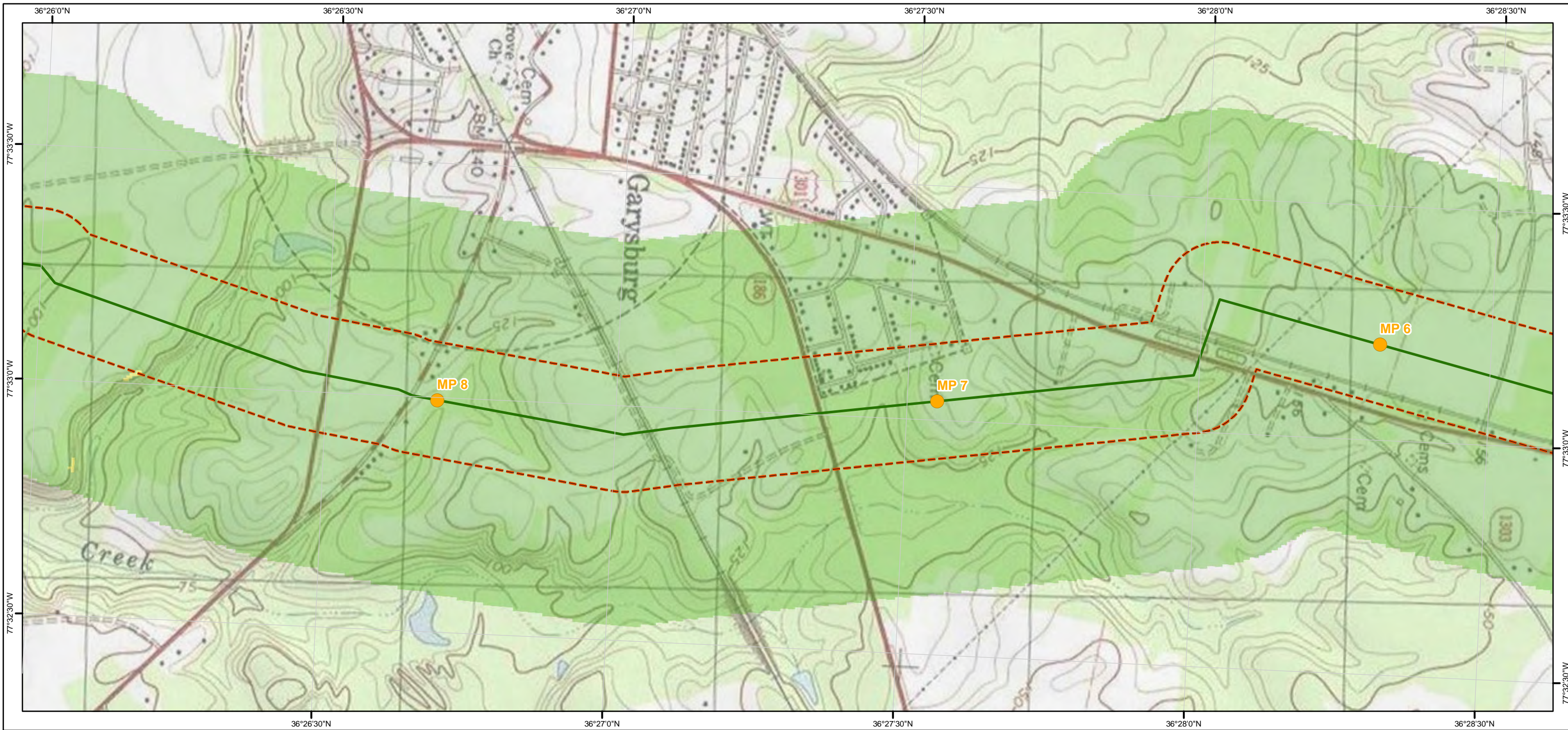
Document No: DOM_EC_SUB_MA_SER001

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)





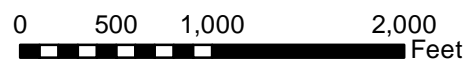
Legend

- 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 127 of 216

1:12,000



Document Information:

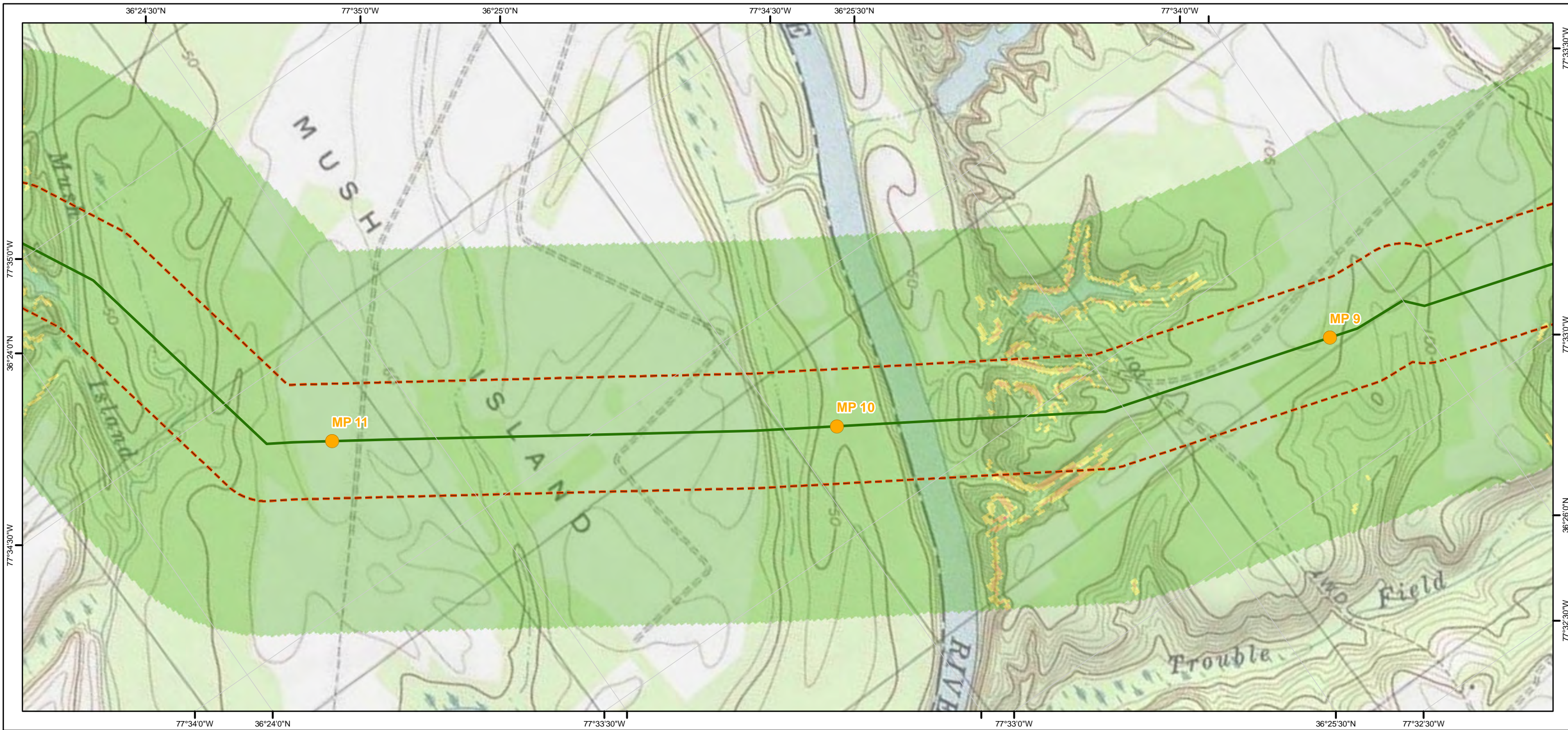
Document No: DOM_EC_SUB_MA_SER001

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

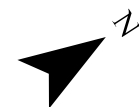
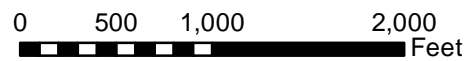
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 128 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)

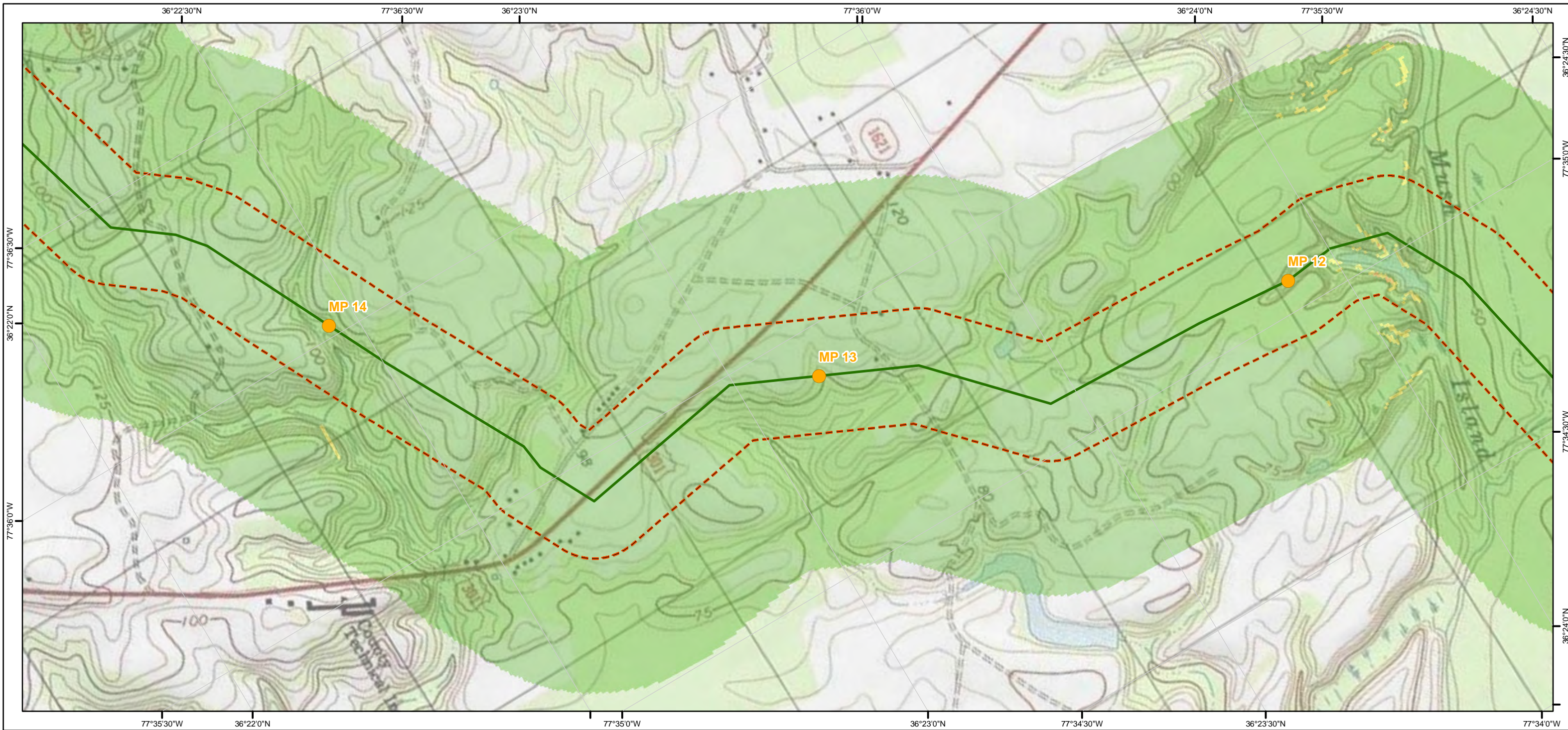


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

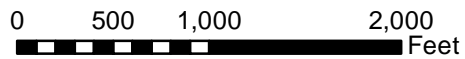
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 129 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)

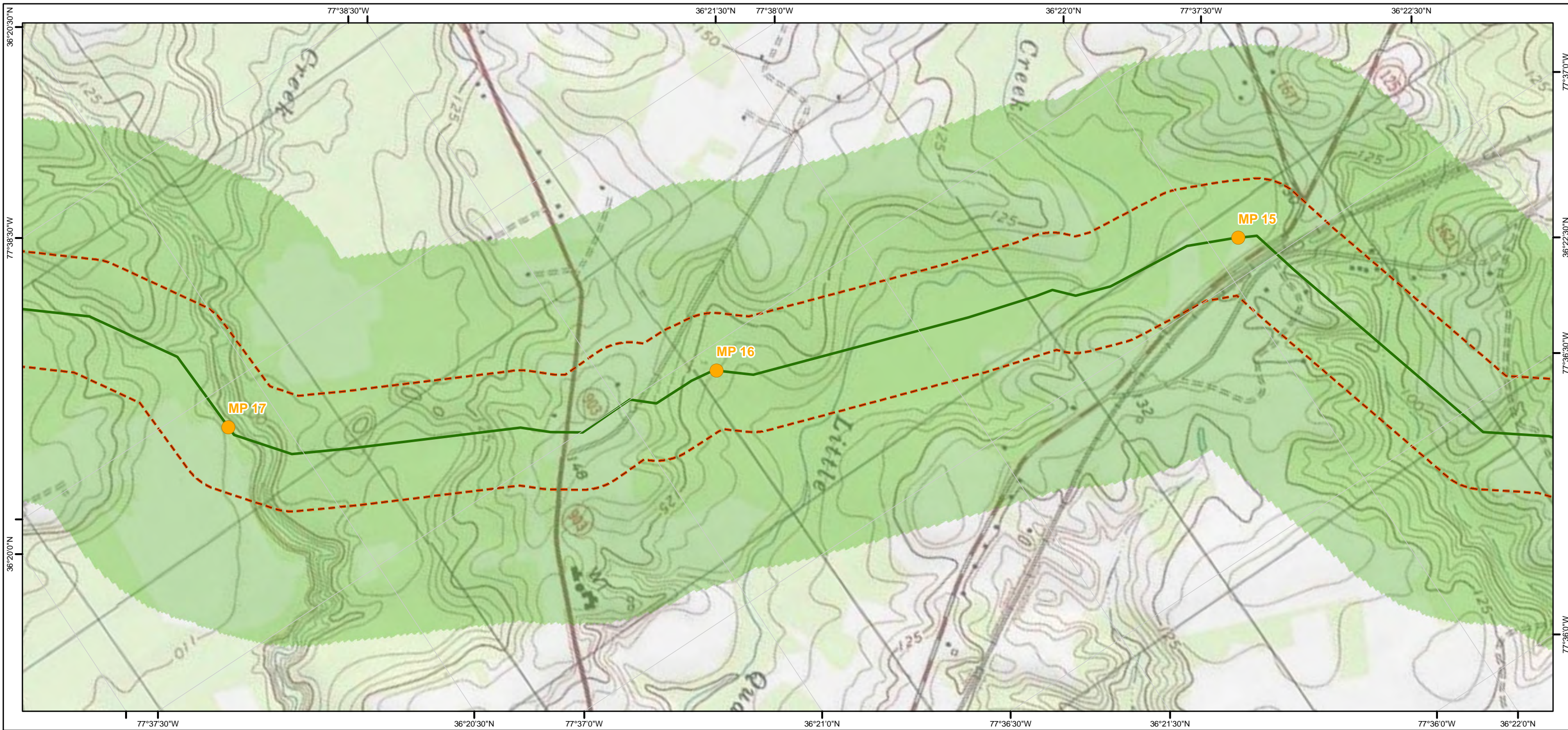


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

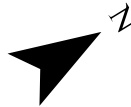
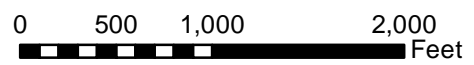
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 130 of 216

1:12,000



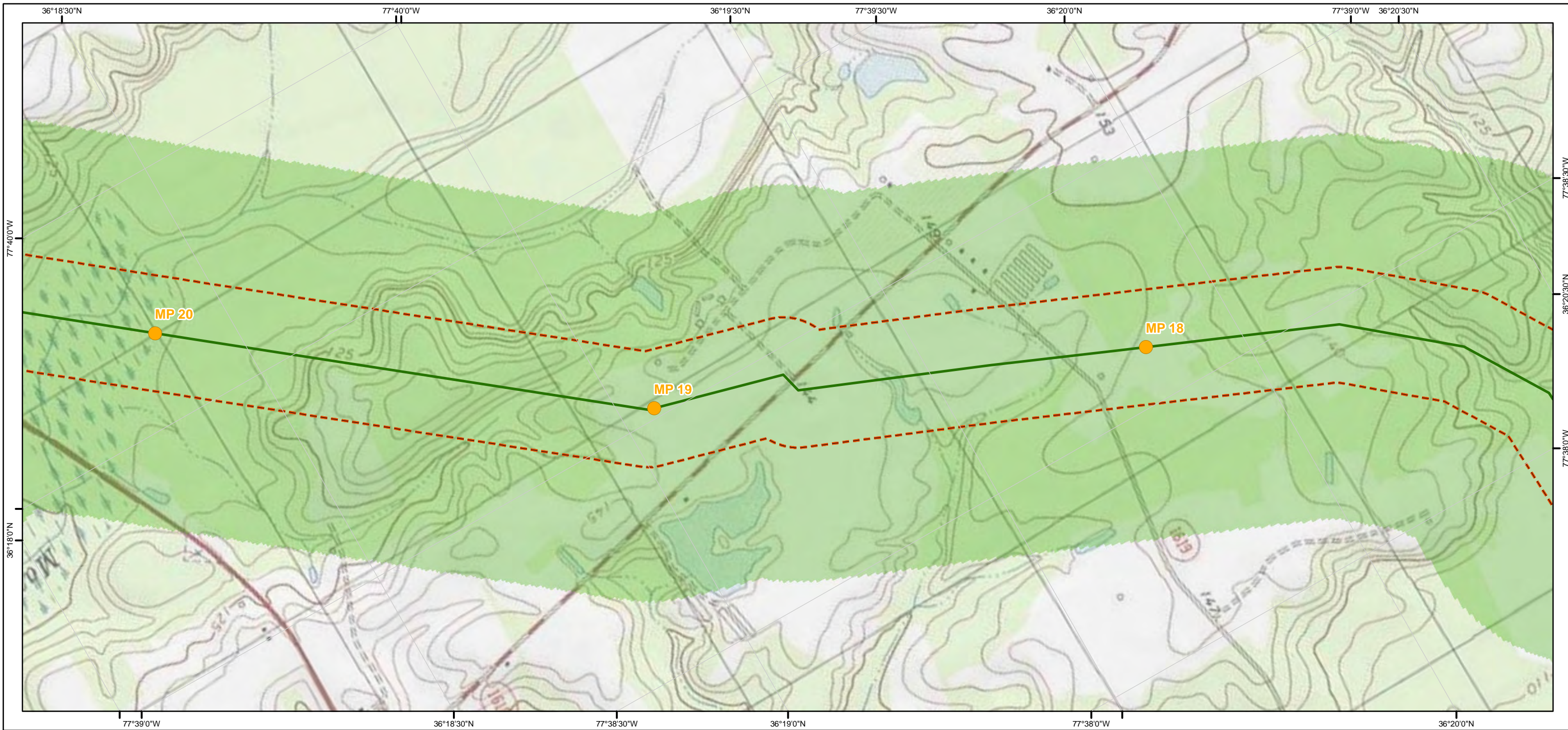
Document Information:

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

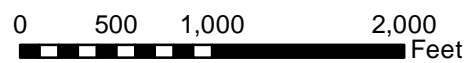
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

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 131 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:

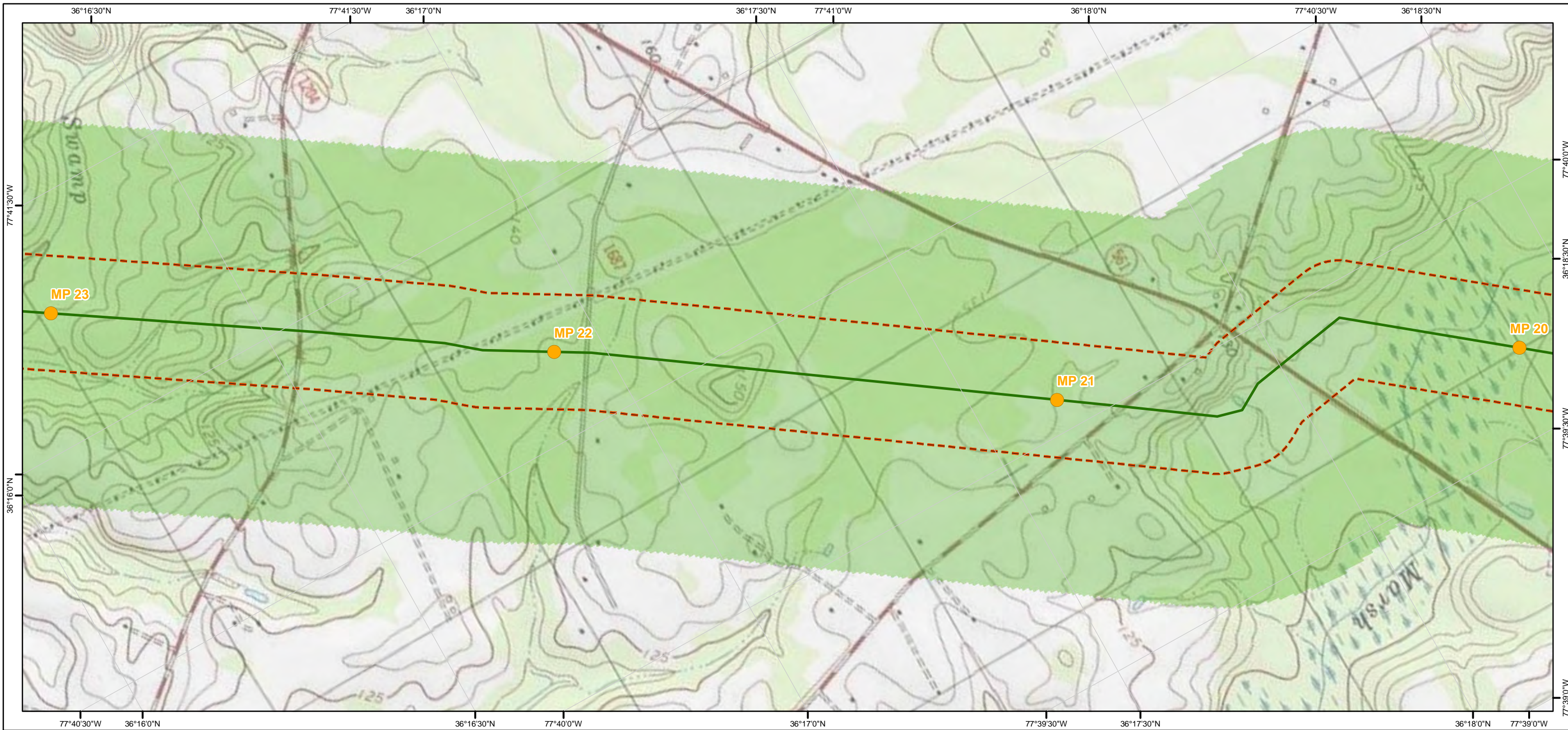
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation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



Dominion[®]
Geosyntec

consultants

TESSELLATIONS



Legend

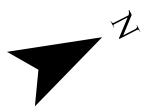
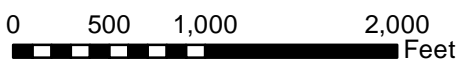
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 132 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)

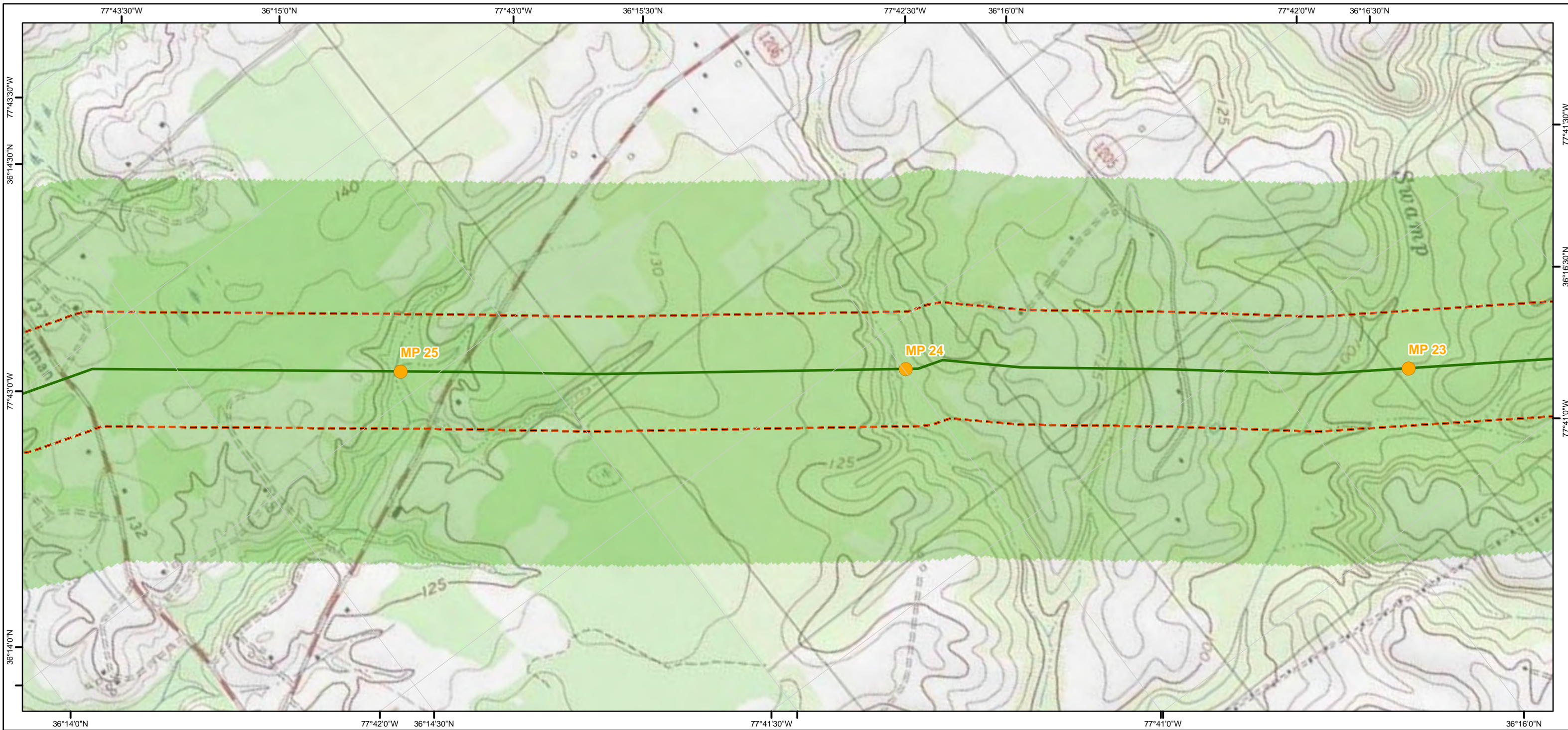


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

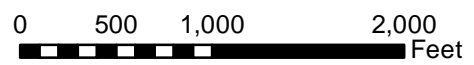
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 133 of 216

1:12,000



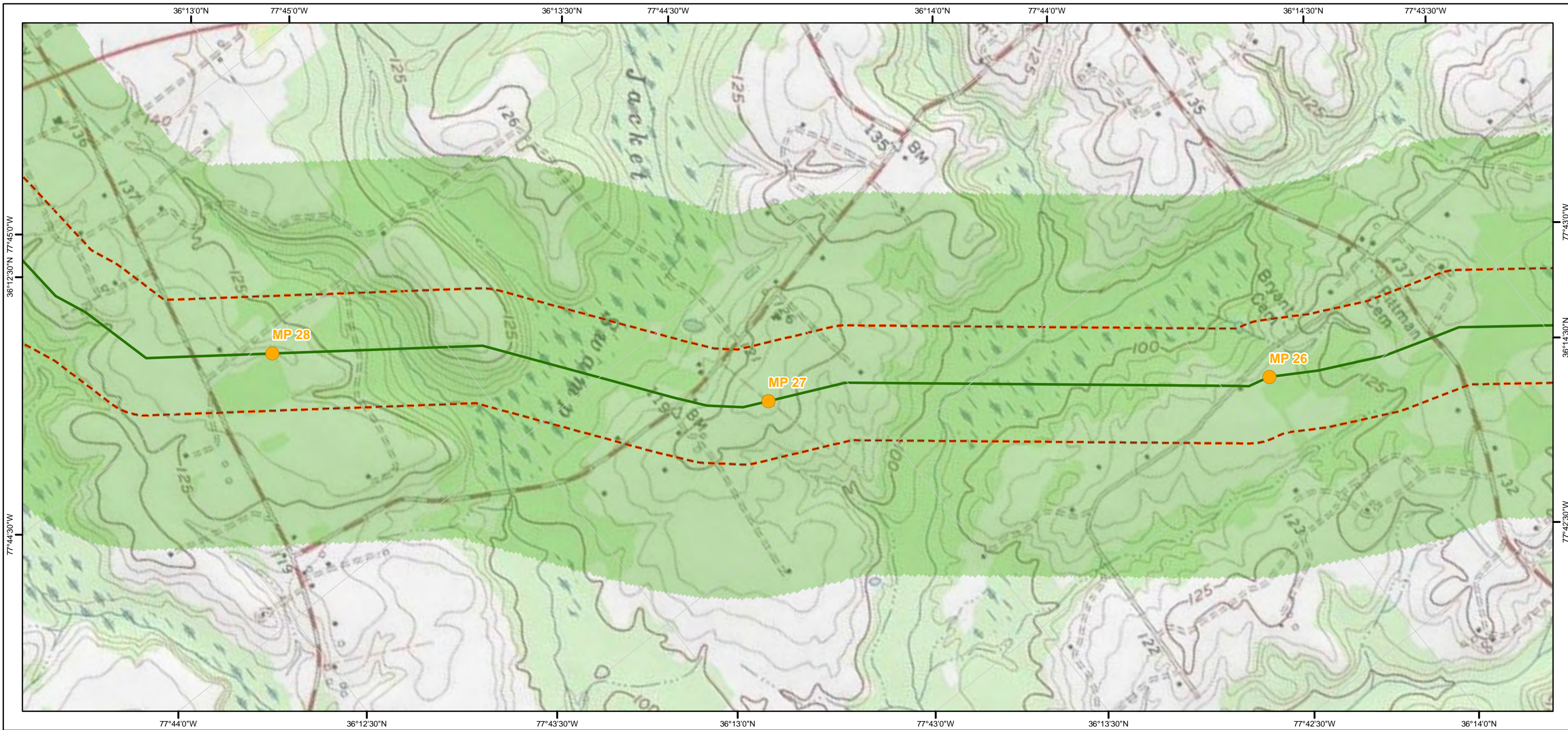
Document Information:

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)



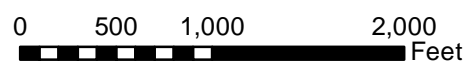
Legend

- 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 134 of 216

1:12,000



Document Information:

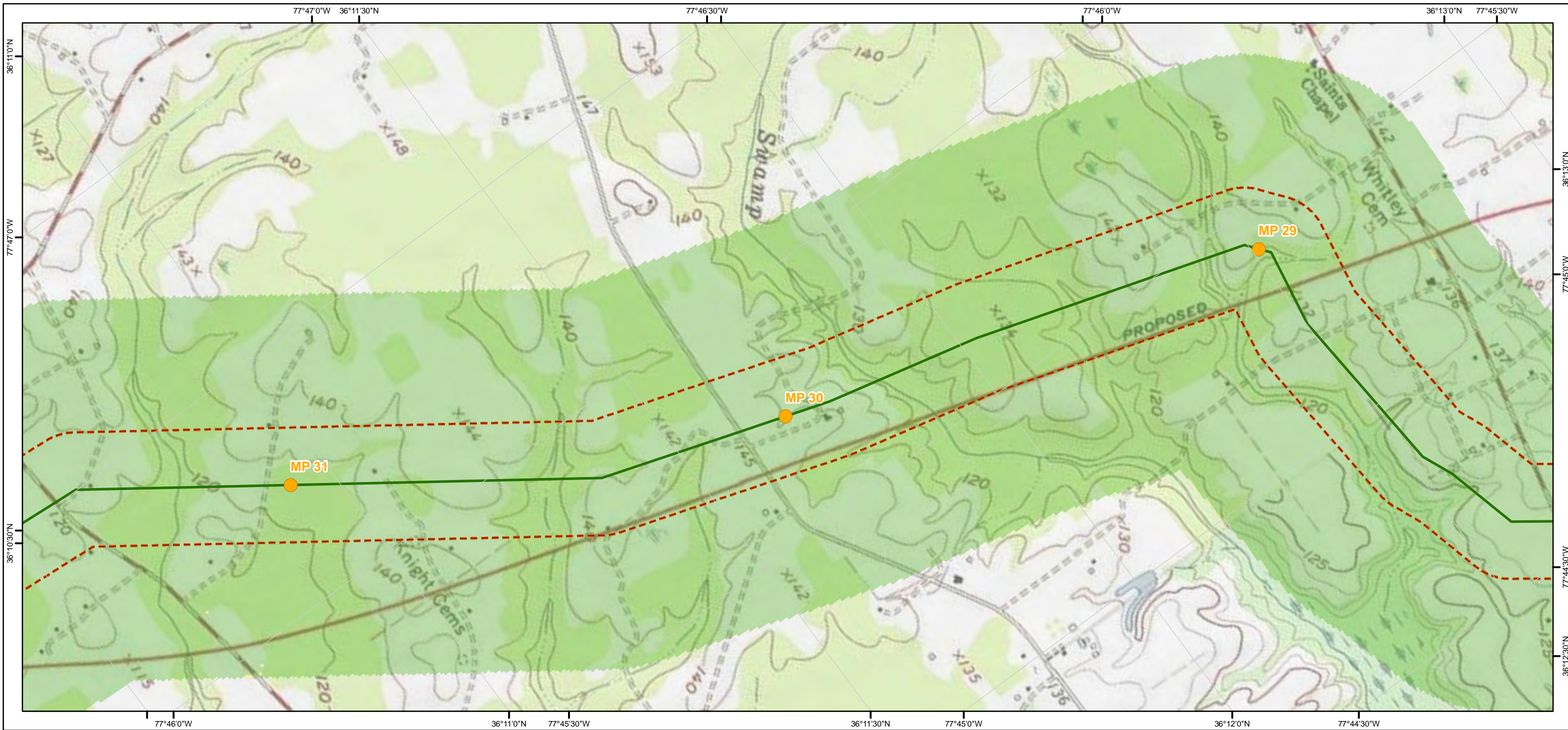
Document No: DOM_EC_SUB_MA_SER001

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)



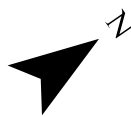
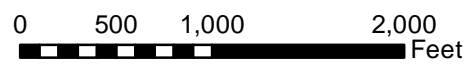


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely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

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

Sheet 135 of 216

1:12,000



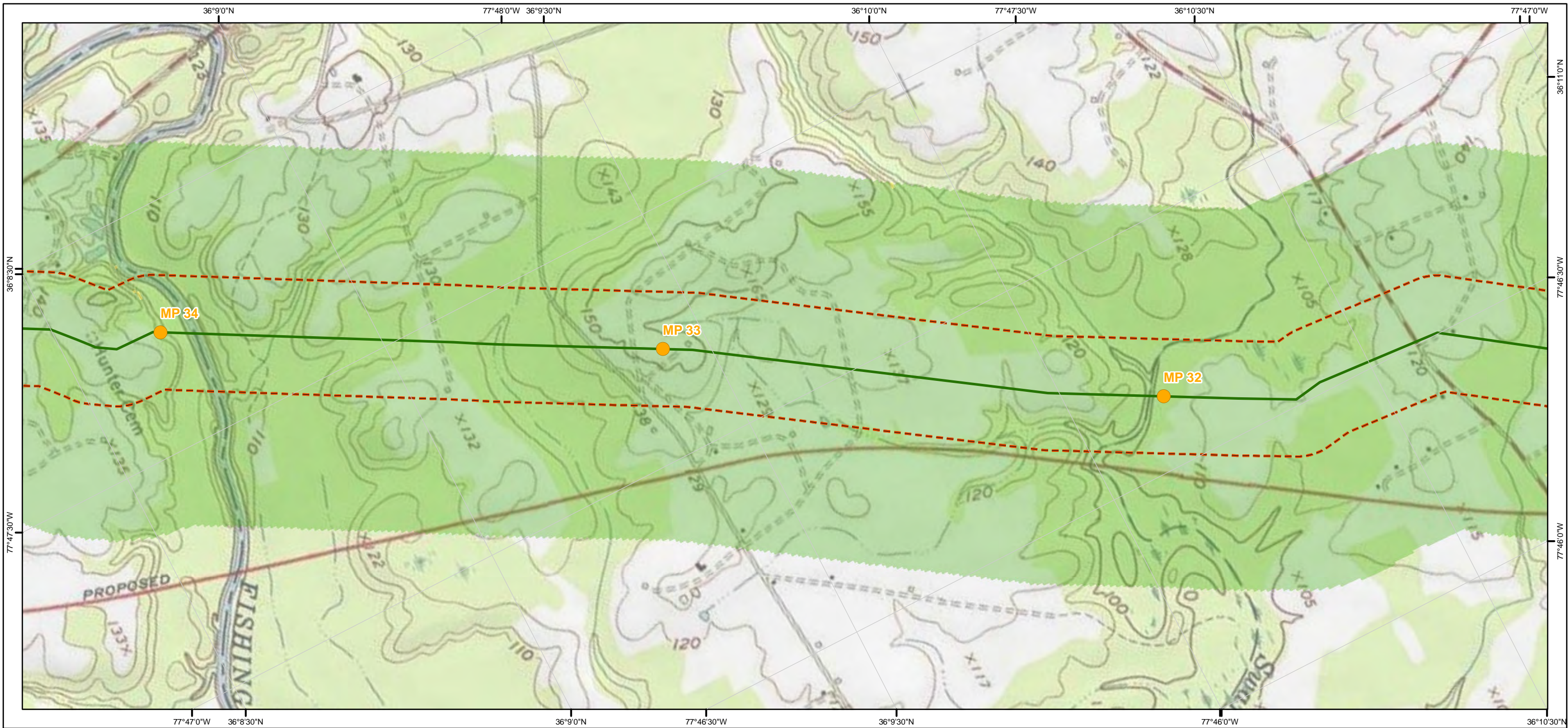
Document Information:

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)



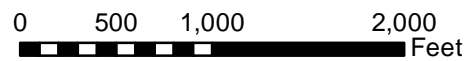
Legend

- 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 136 of 216

1:12,000



Document Information:

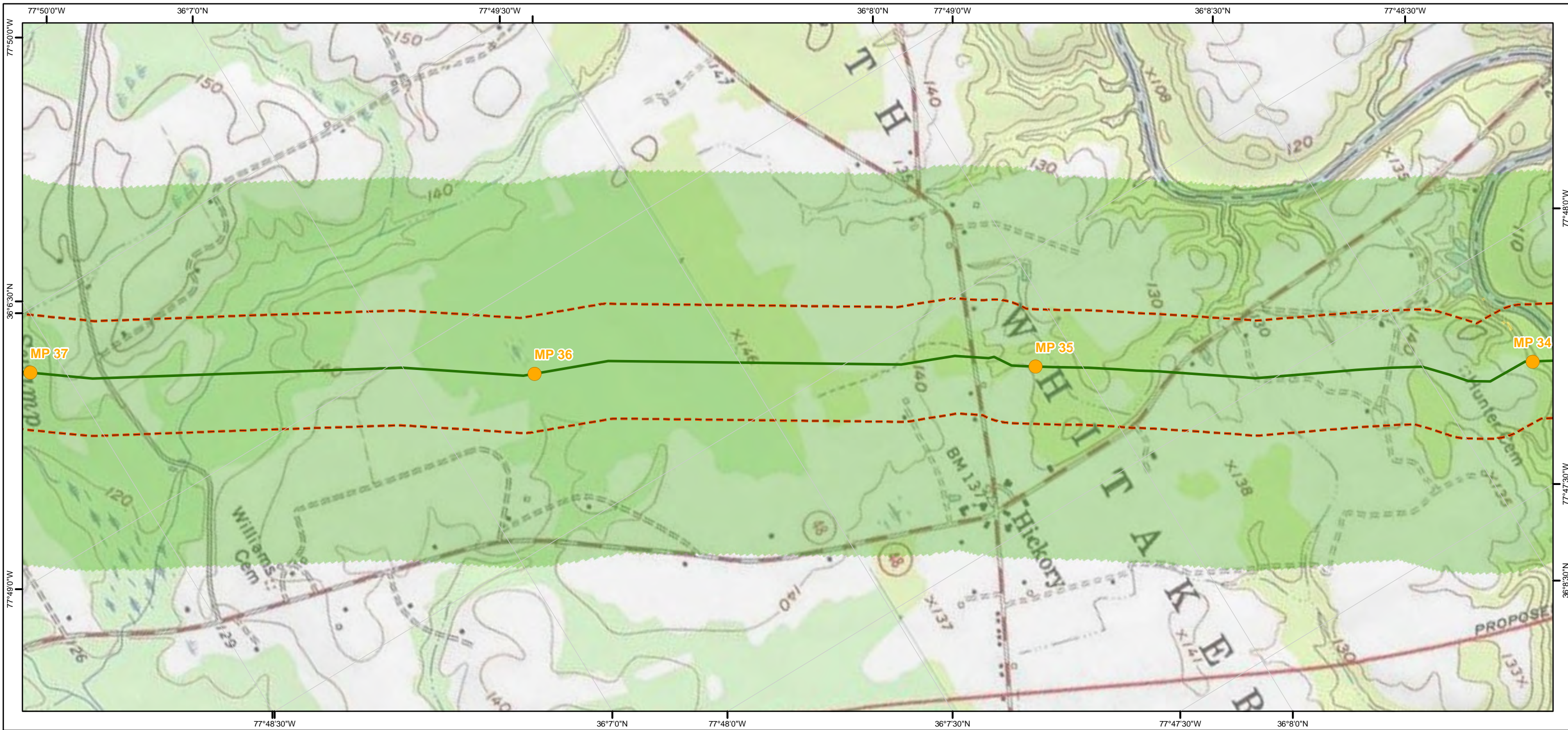
Document No: DOM_EC_SUB_MA_SER001

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

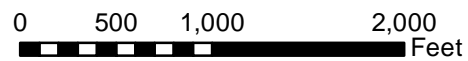
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 137 of 216

1:12,000



Document Information:

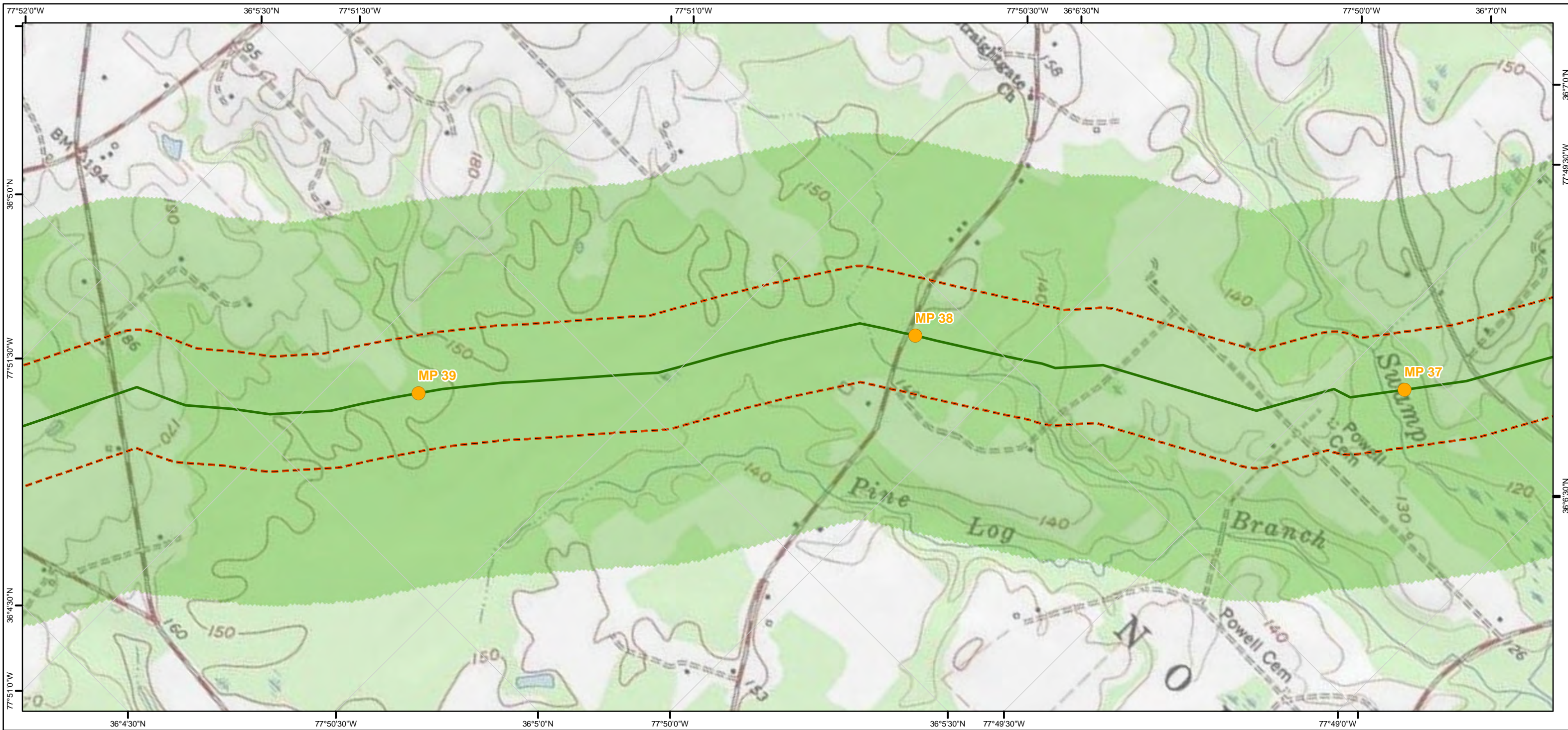
Document No: DOM_EC_SUB_MA_SER001

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



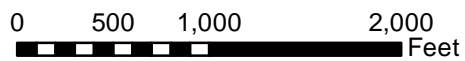
Legend

- 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 138 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)

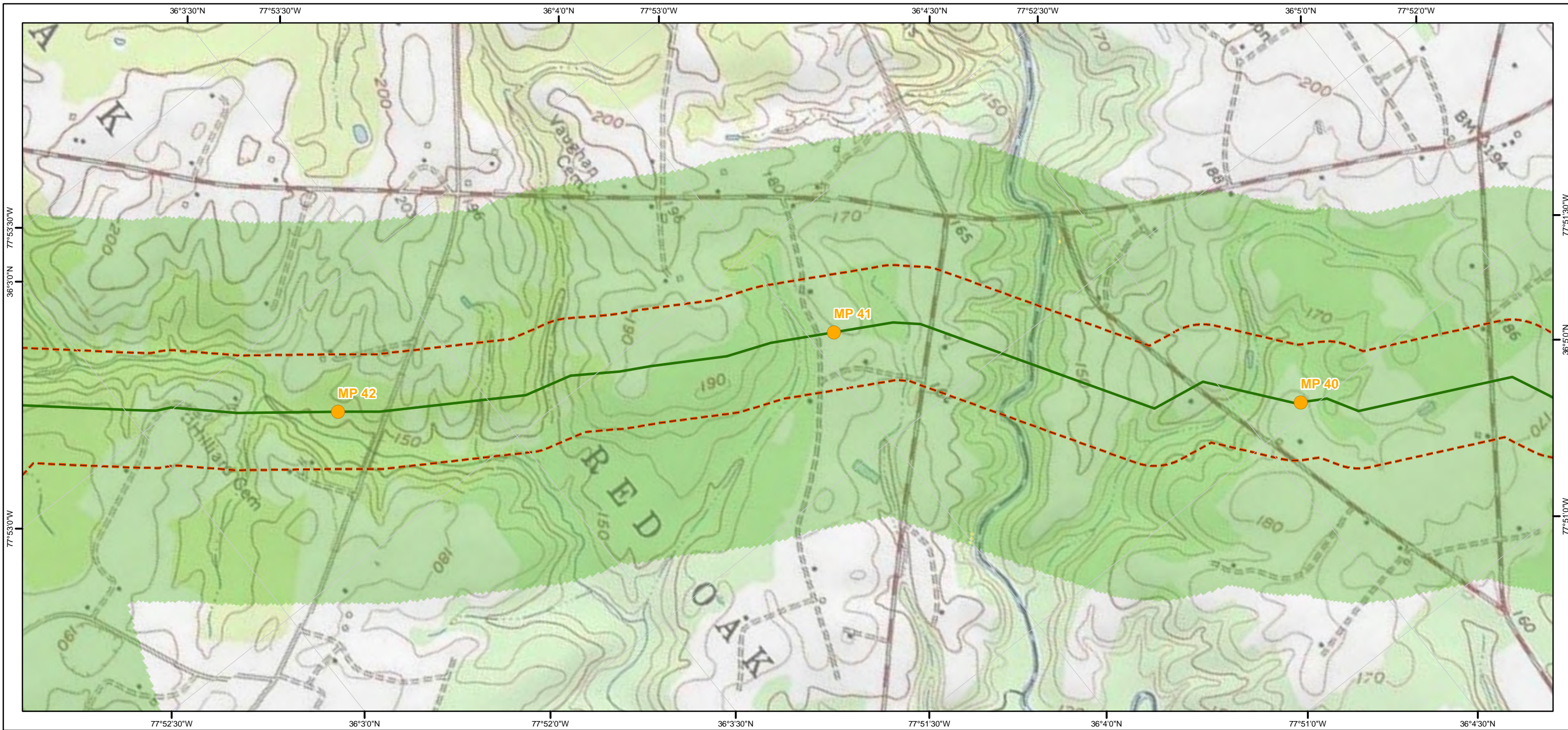


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

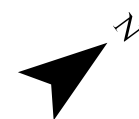
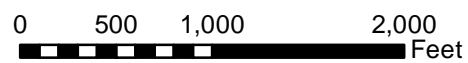
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 139 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:

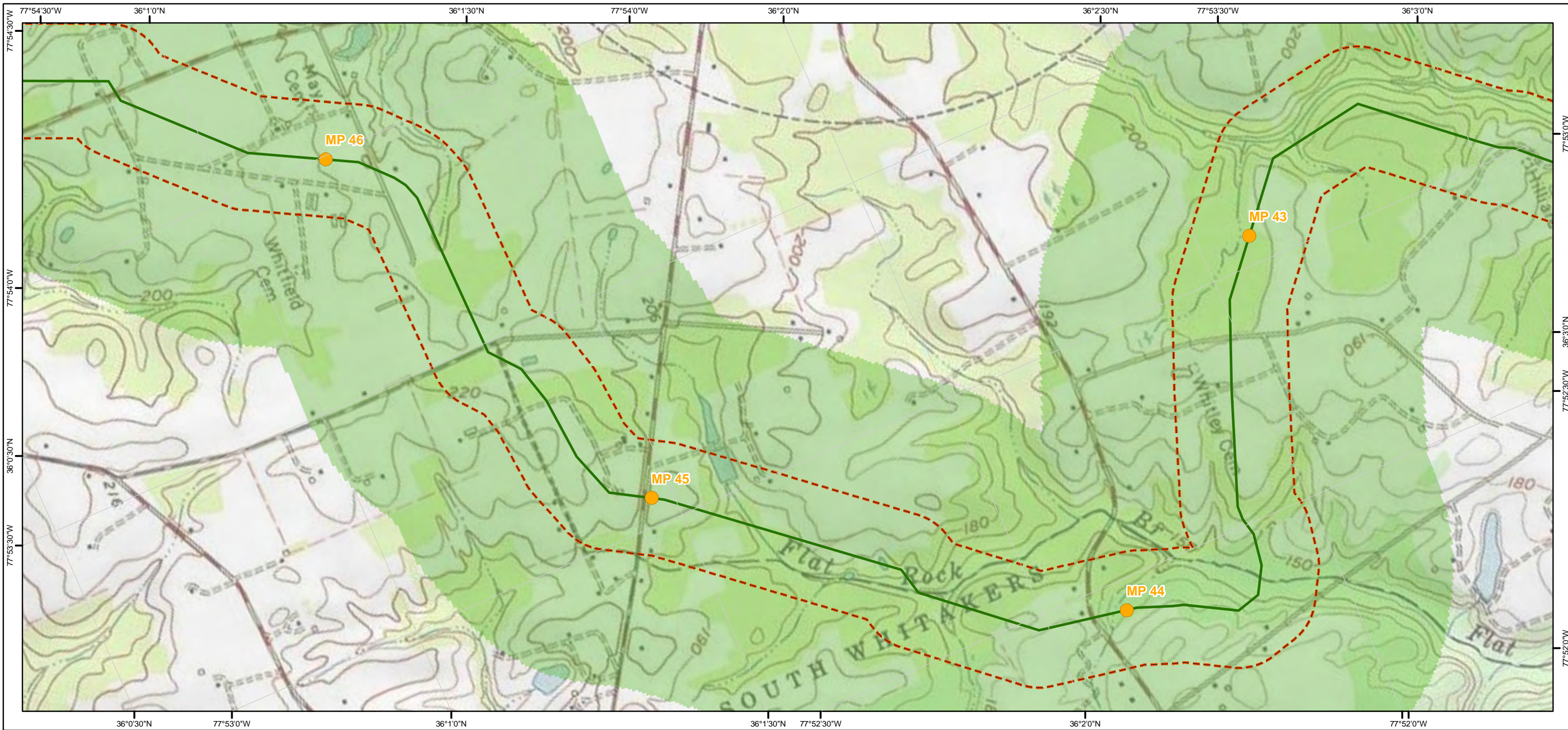
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation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



Dominion[®]
Geosyntec

consultants

TESSE
CORPORATION

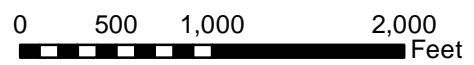


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely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

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

Sheet 140 of 216

1:12,000



Document Information:

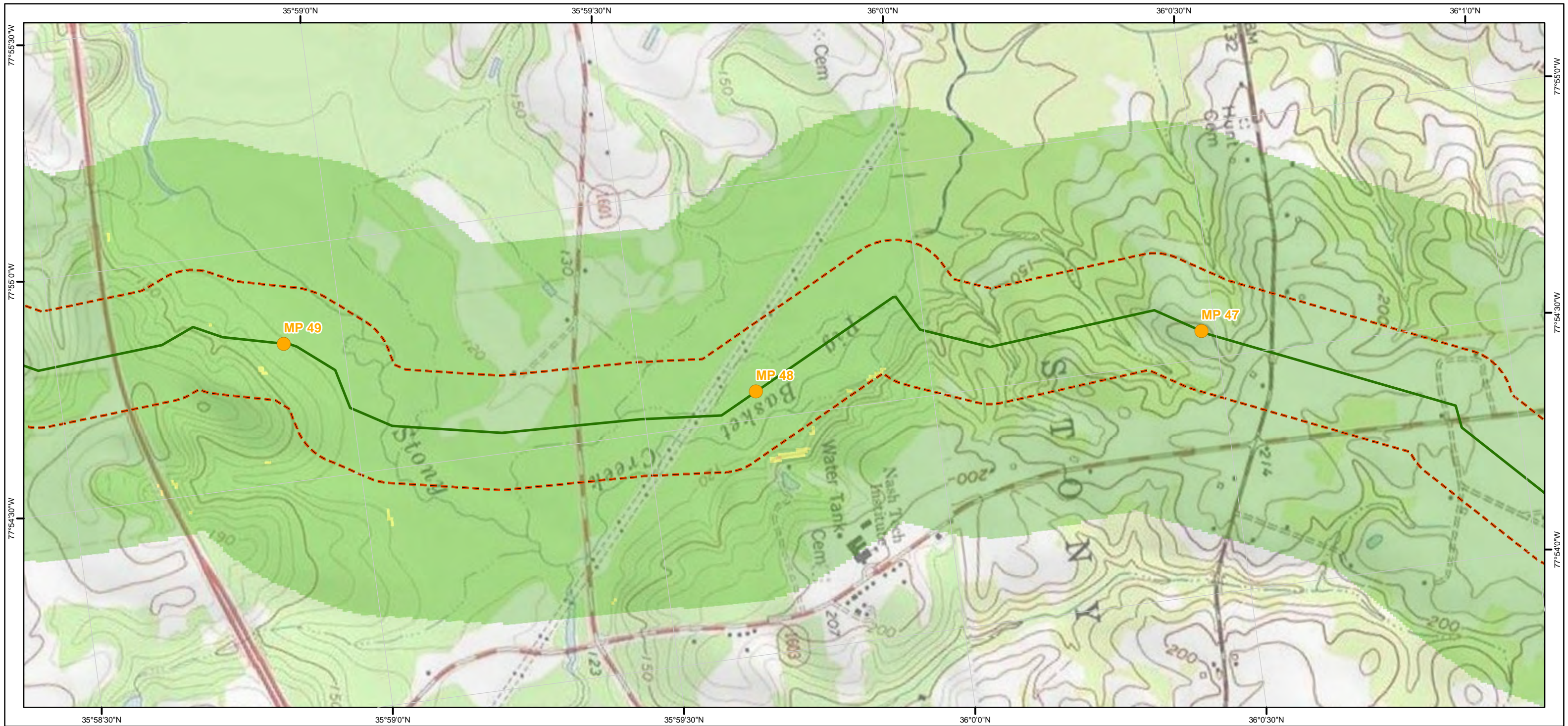
Document No: DOM_EC_SUB_MA_SER001

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 141 of 216

1:12,000

0 500 1,000 2,000
Feet

Document Information:

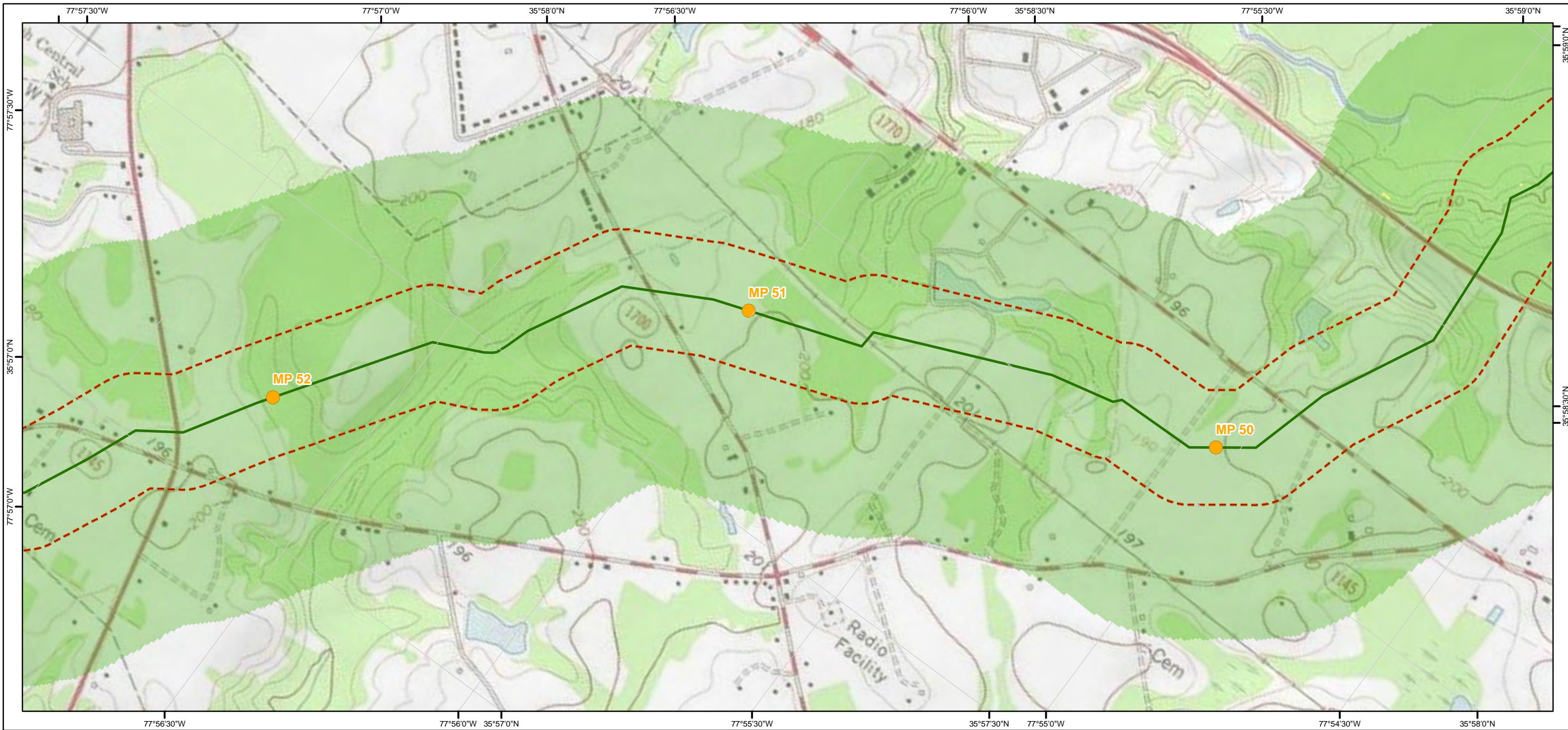
Document No: DOM_EC_SUB_MA_SER001

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

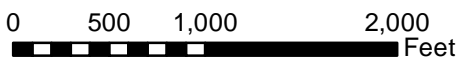
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 142 of 216

1:12,000



Document Information:

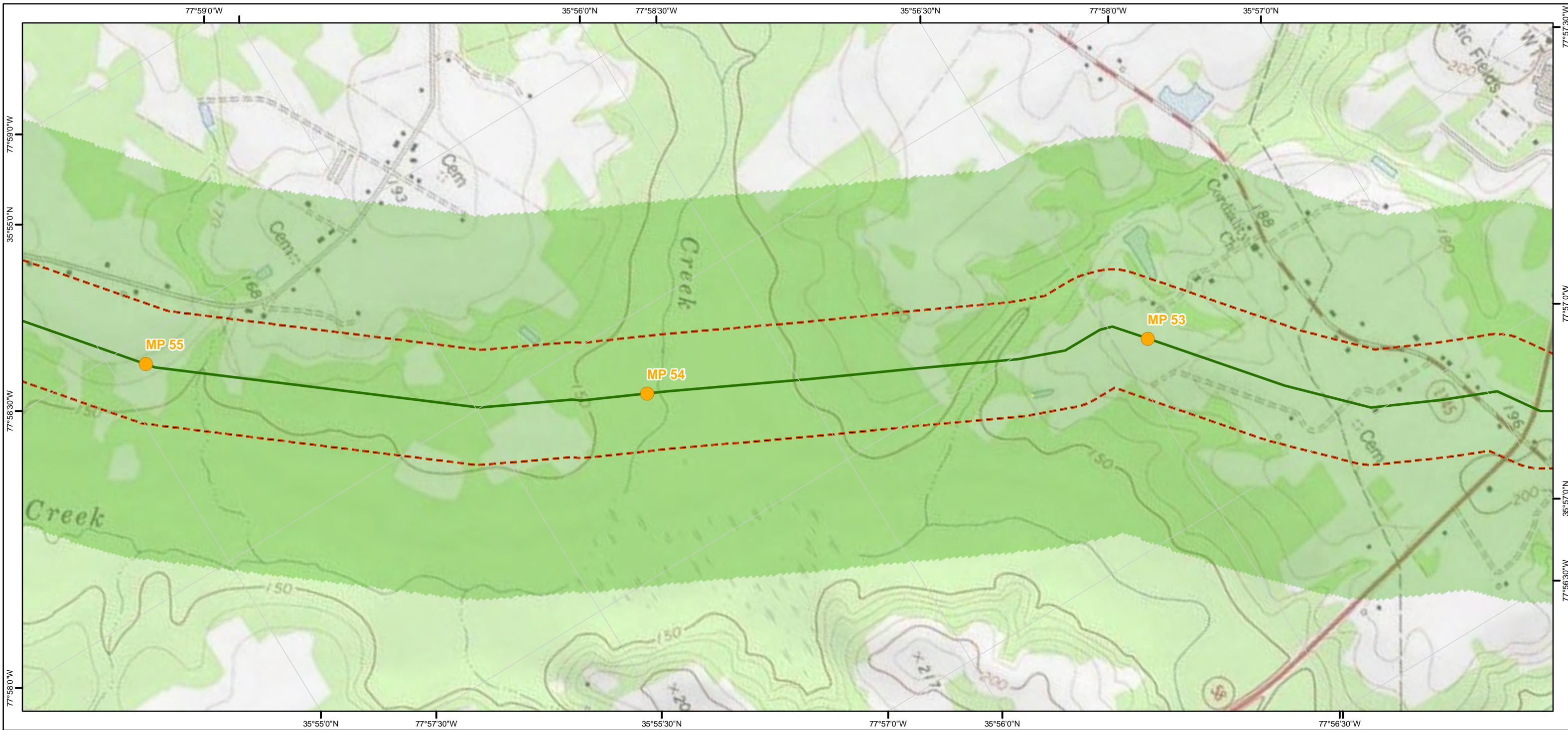
Document No: DOM_EC_SUB_MA_SER001

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)





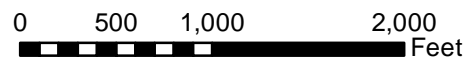
Legend

- 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 143 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 144 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: WVBS (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

TESSE
CORPORATIONS

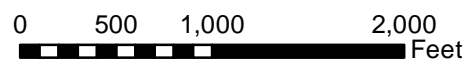


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely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

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

Sheet 145 of 216

1:12,000



Document Information:

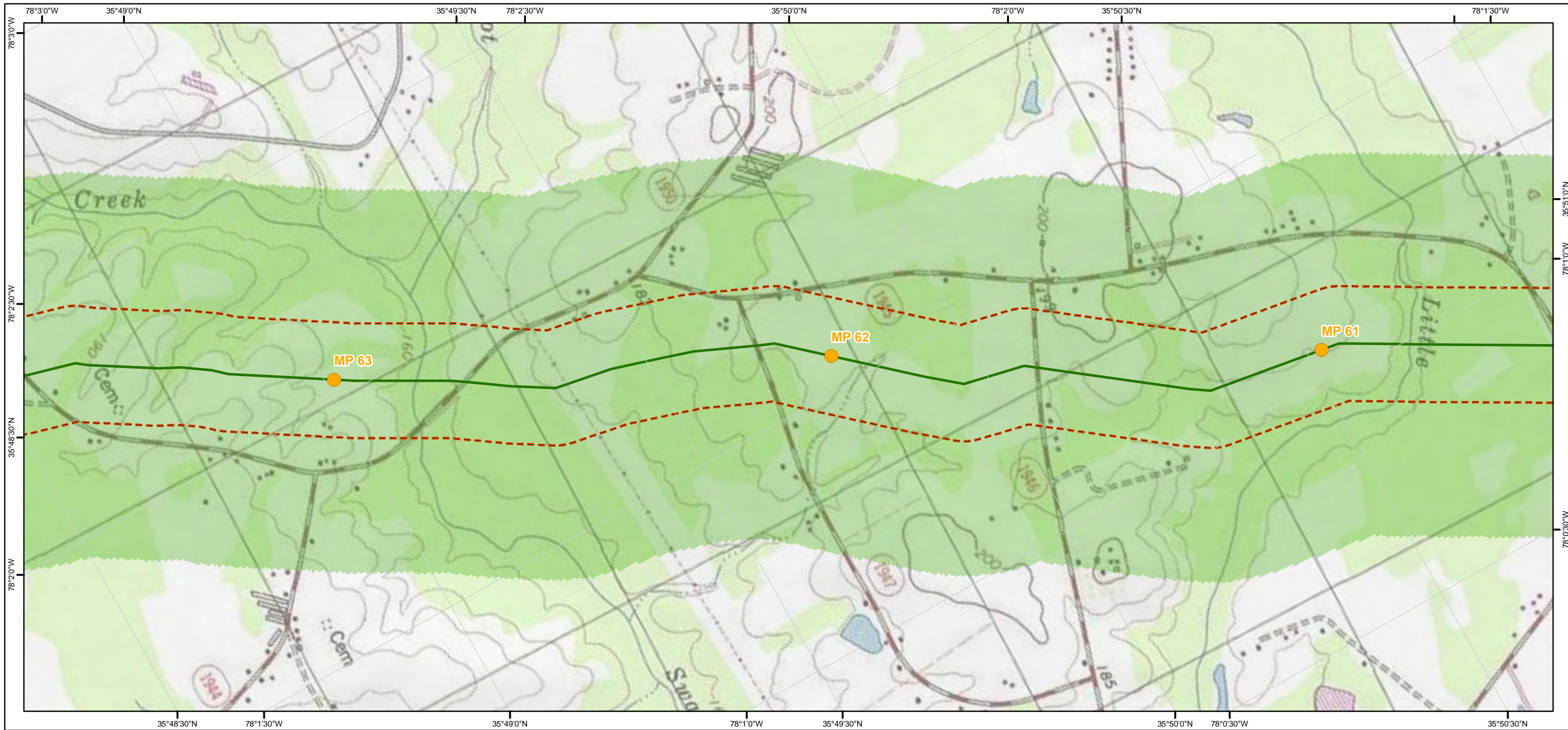
Document No: DOM_EC_SUB_MA_SER001

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 146 of 216



Document Information:

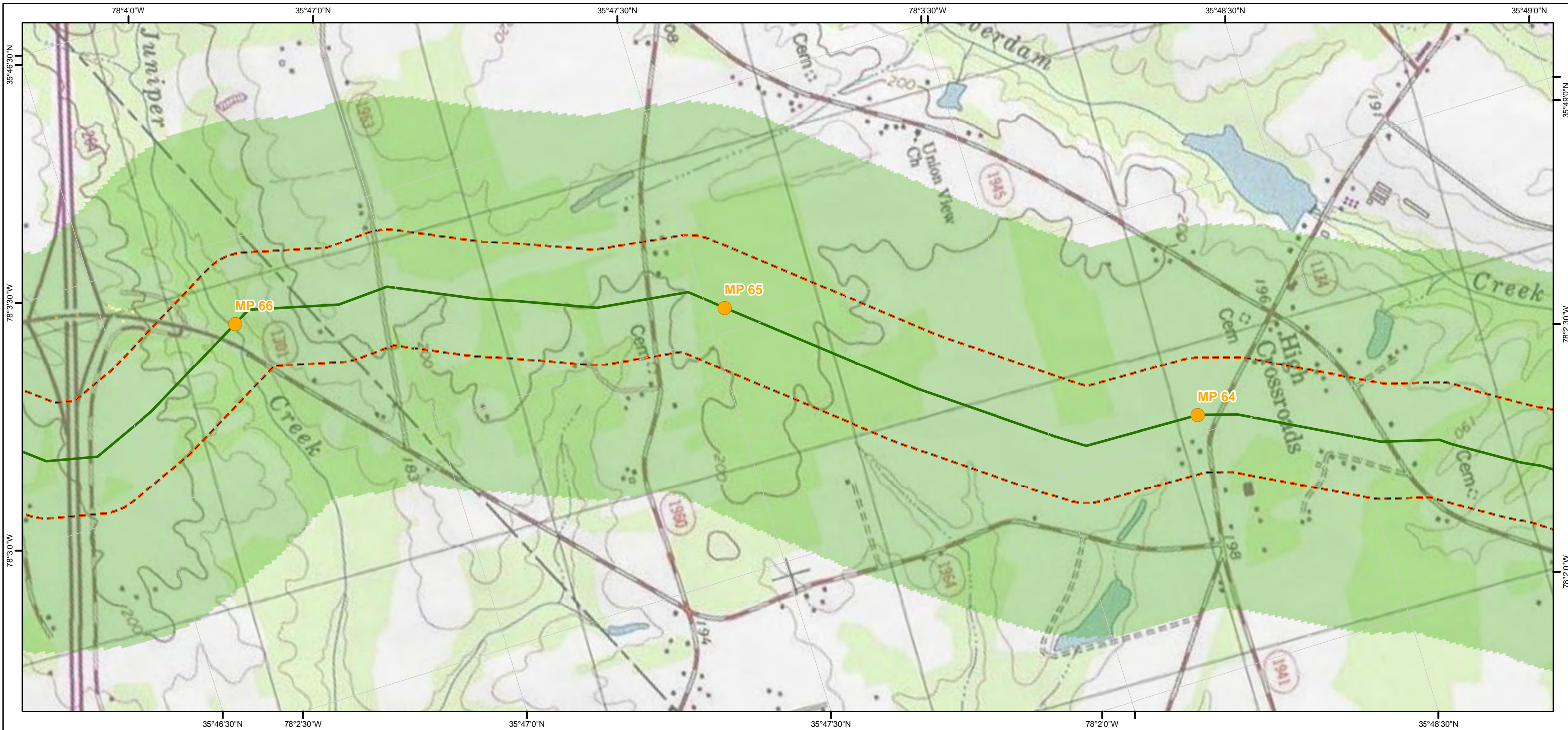
Document No: DOM_EC_SUB_MA_SER001

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

TESSEMA



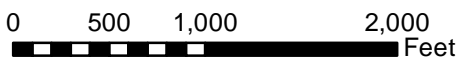
Legend

- 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 147 of 216

1:12,000



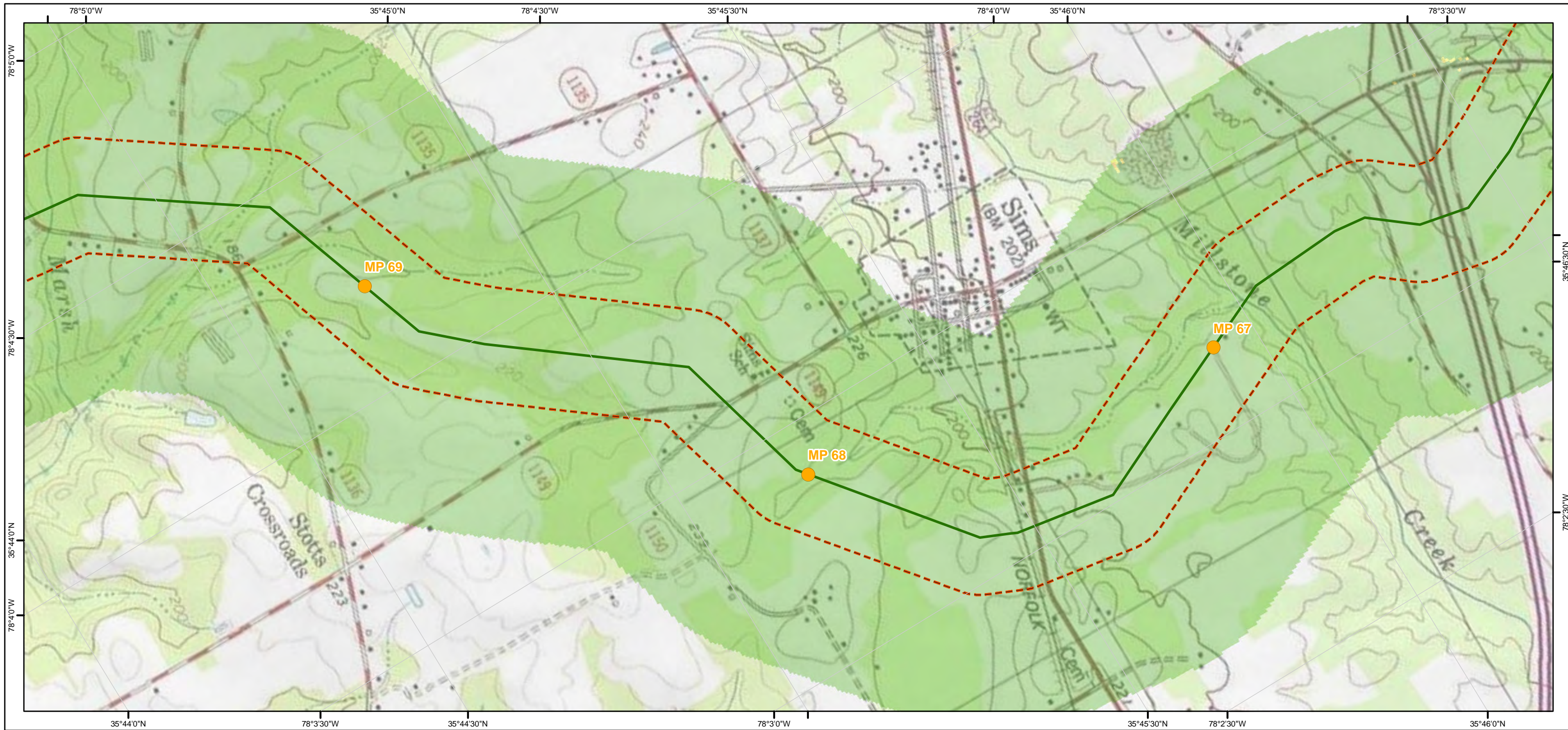
Document Information:

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 148 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

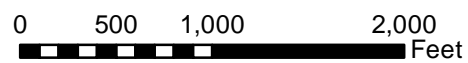
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 149 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)

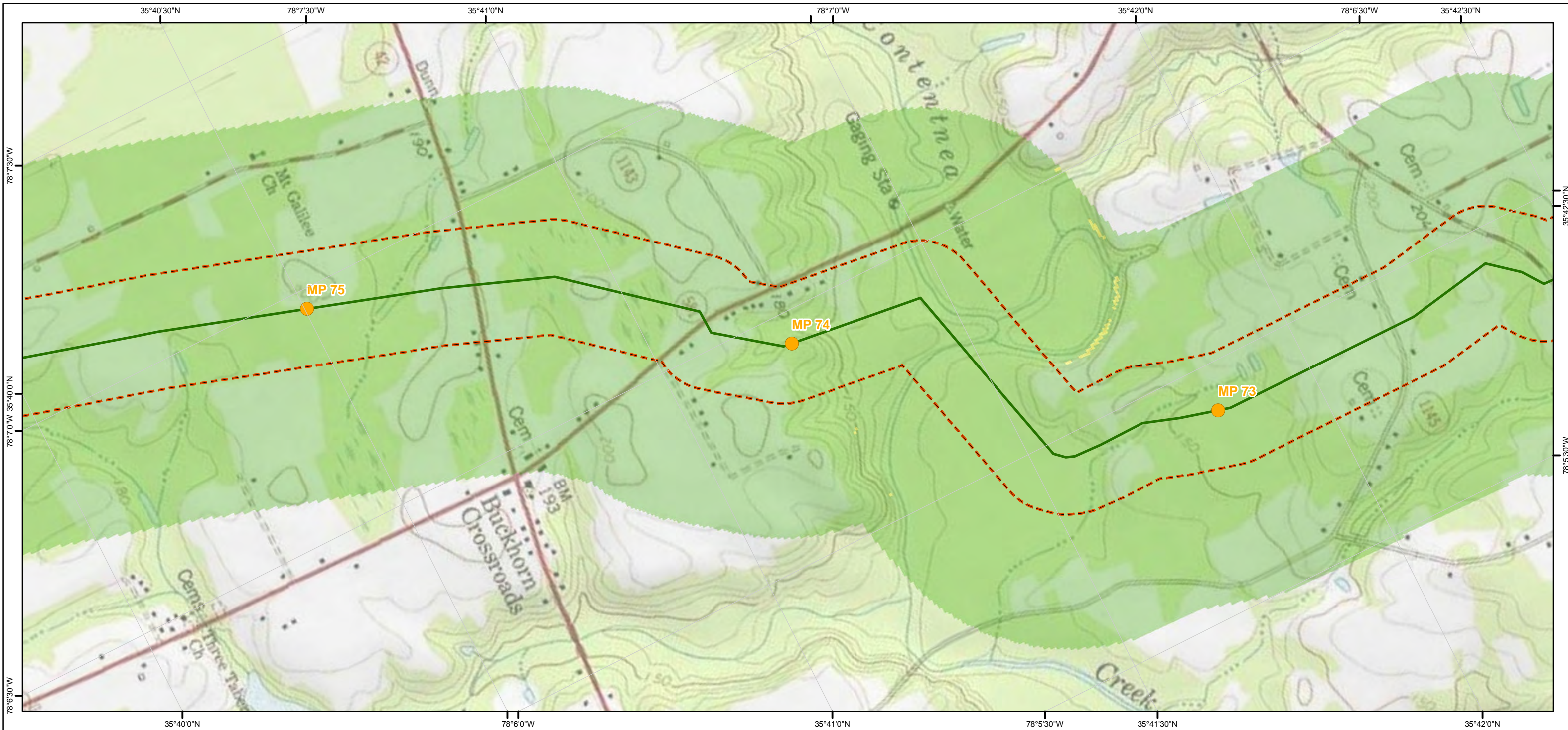


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

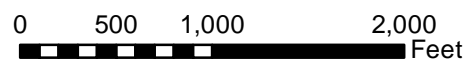
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 150 of 216

1:12,000



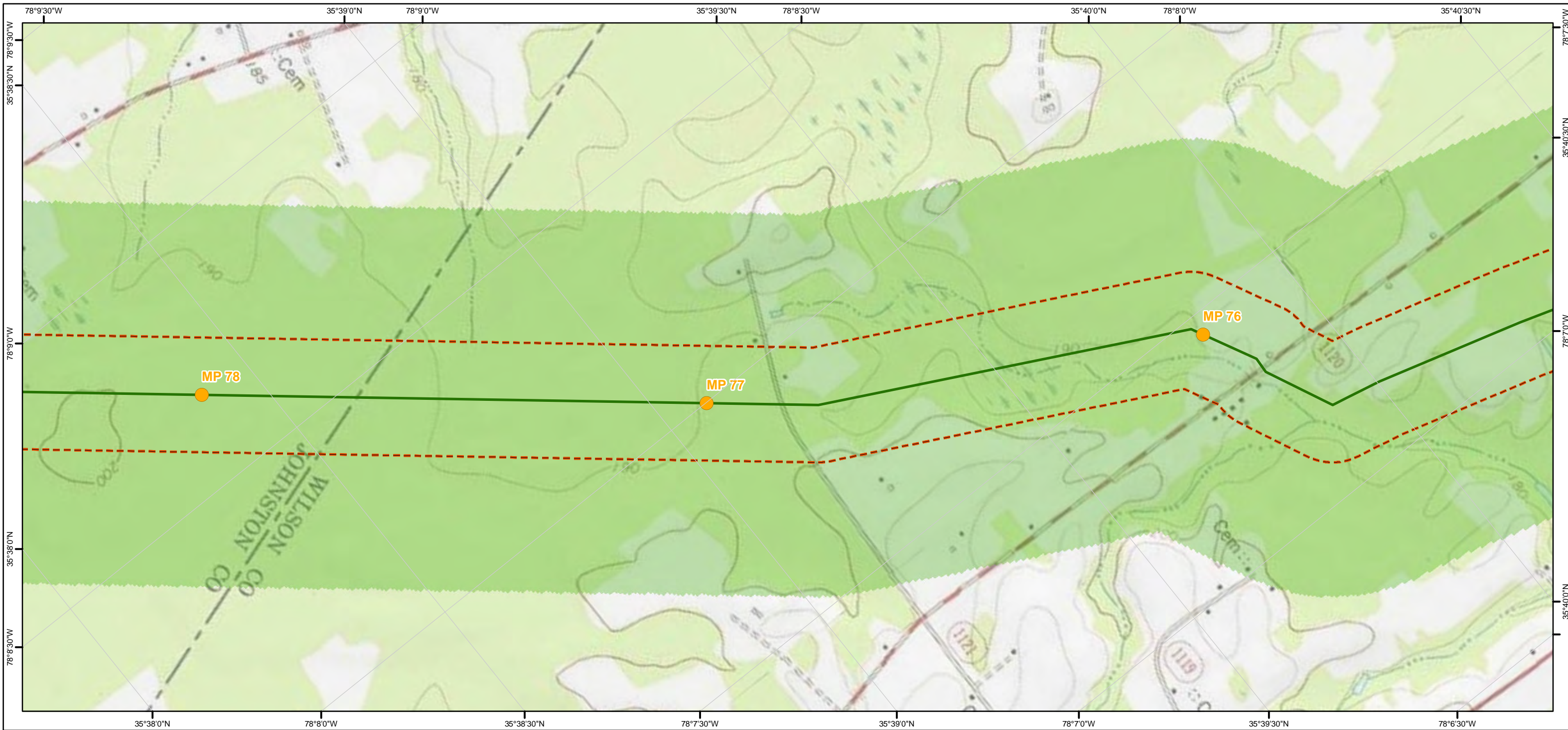
Document Information:

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

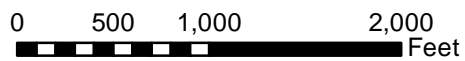
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 151 of 216

1:12,000



Document Information:

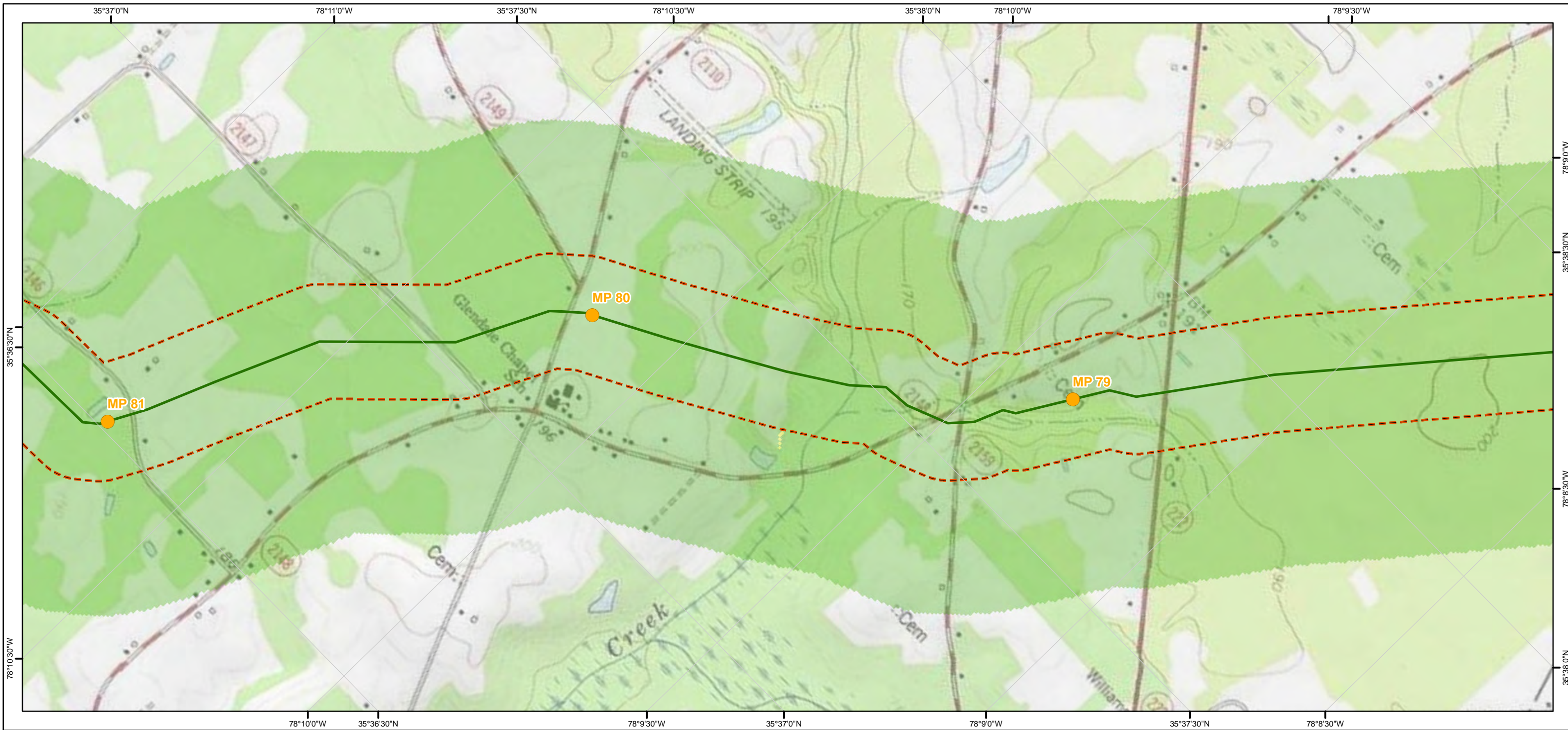
Document No: DOM_EC_SUB_MA_SER001

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

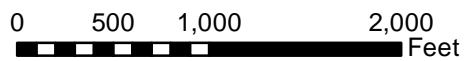
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 152 of 216

1:12,000



Document Information:

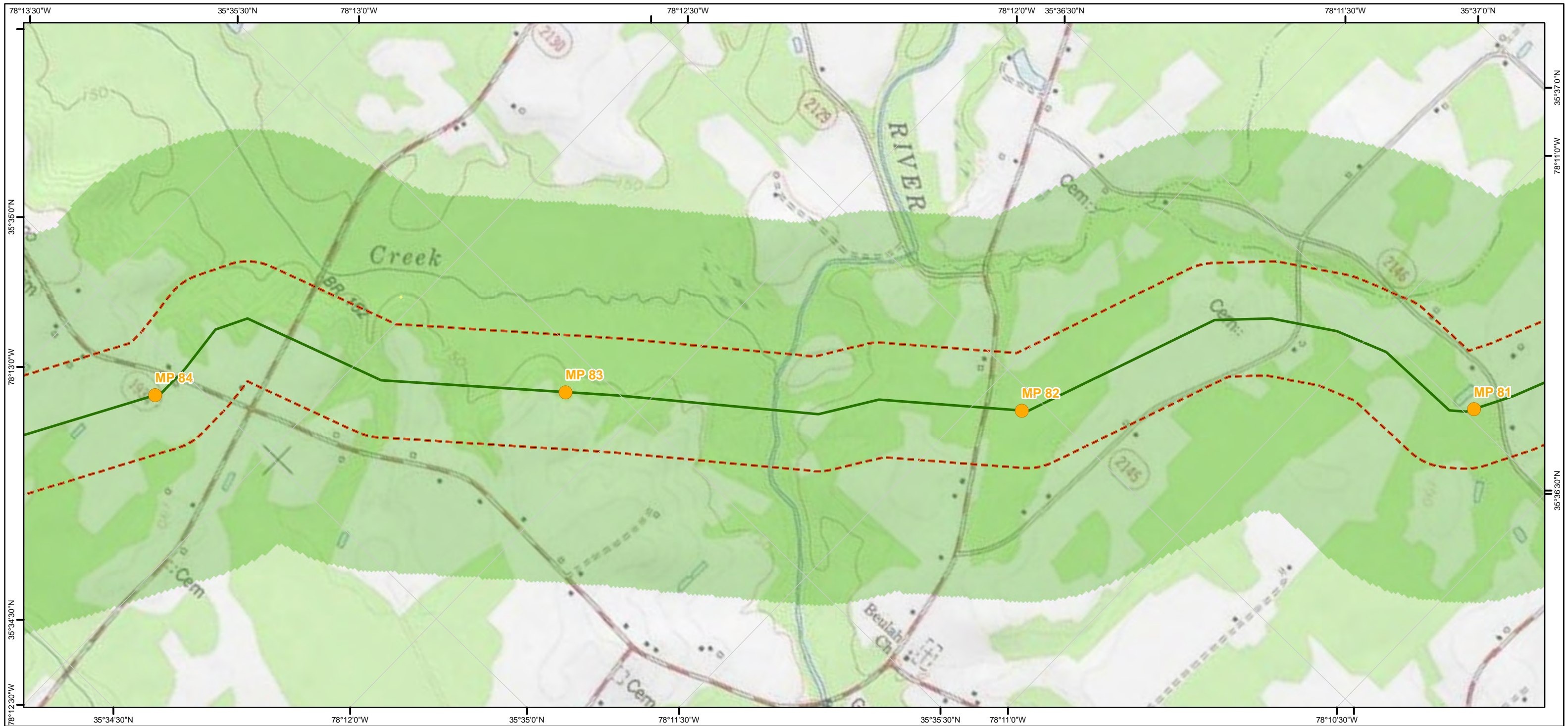
Document No: DOM_EC_SUB_MA_SER001

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)





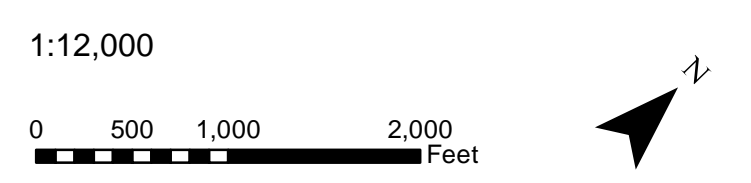
Legend

- 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 153 of 216



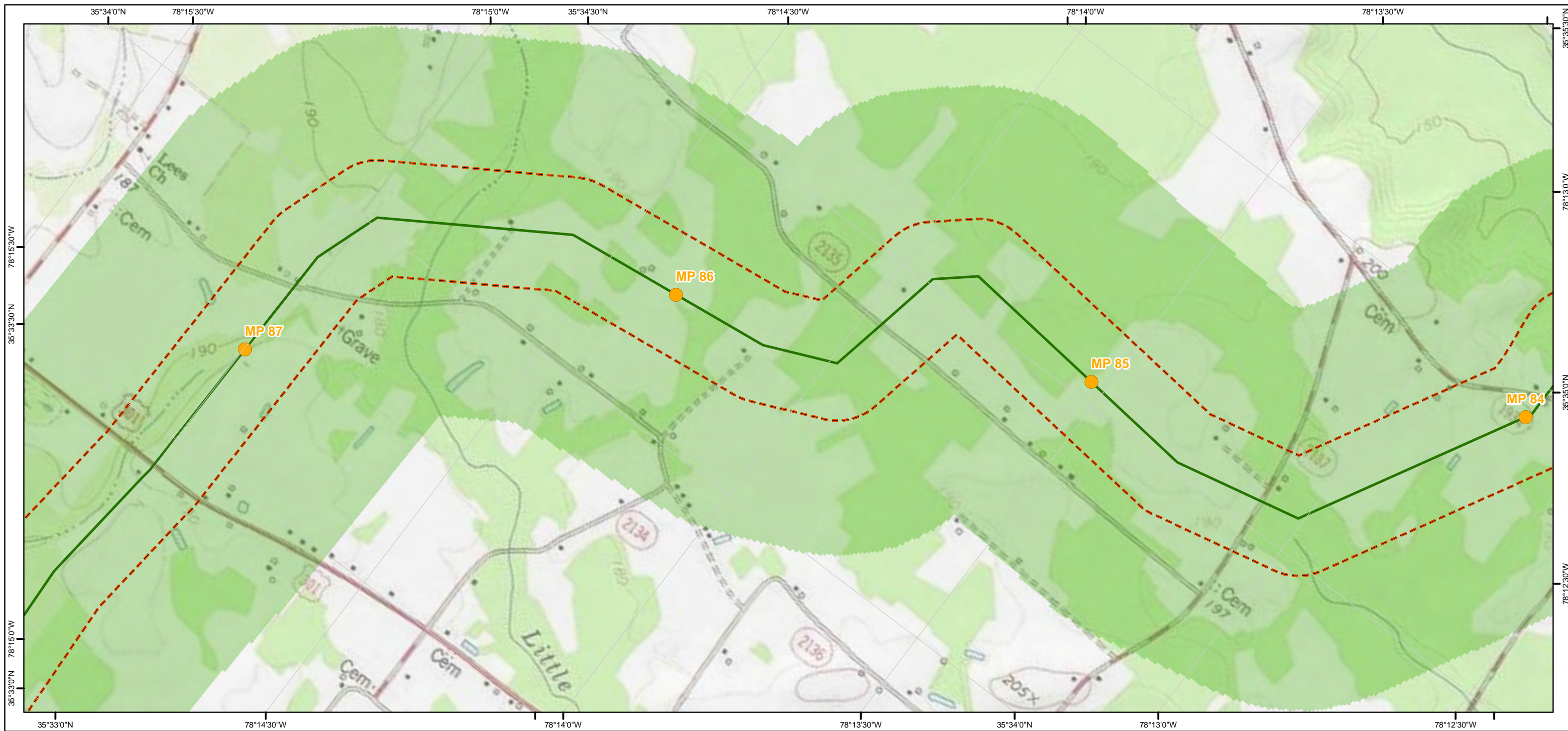
Document Information:

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 CONSULTATIONS



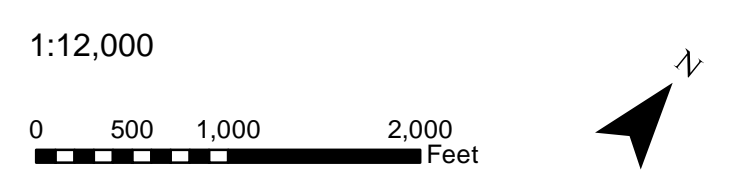
Legend

- 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 154 of 216

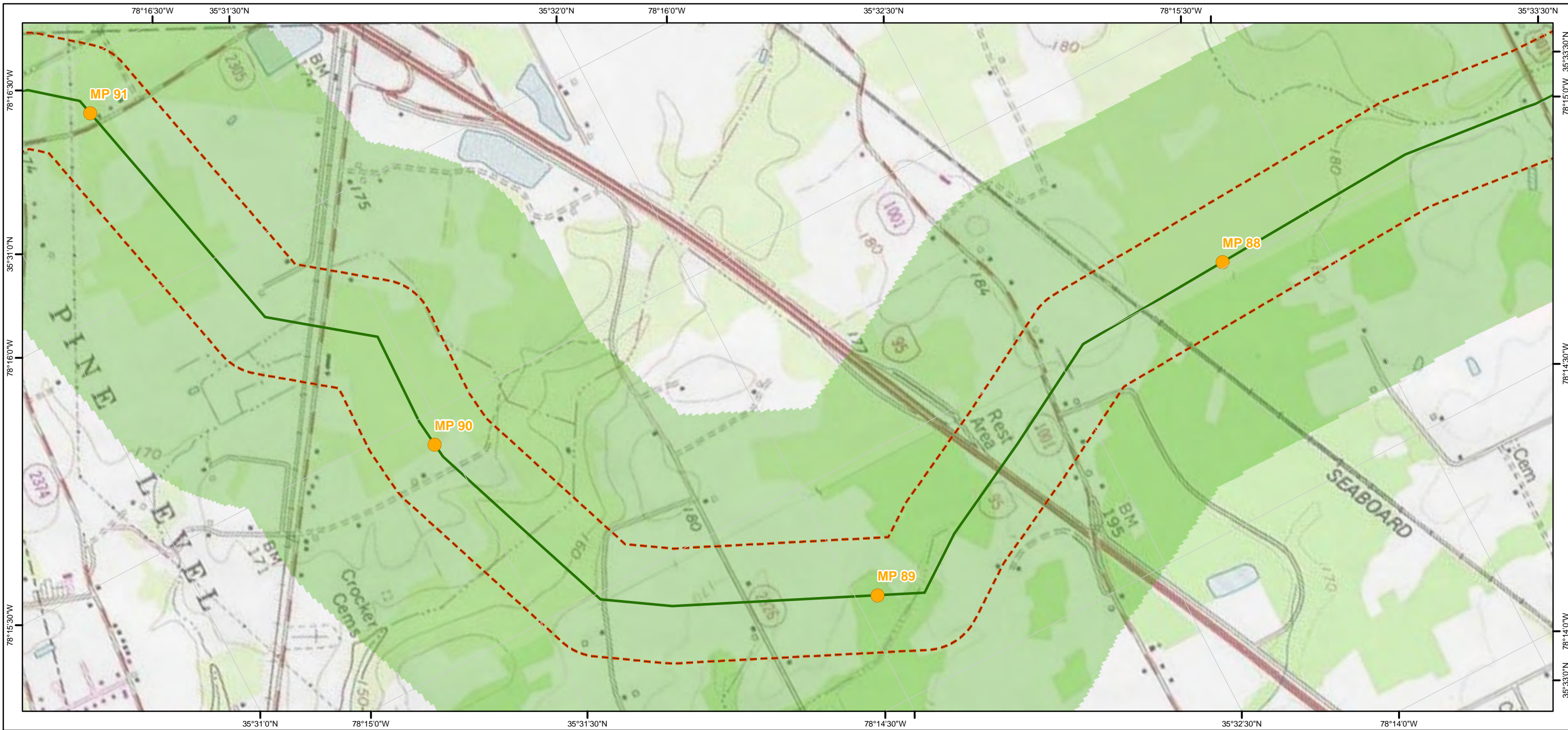


Document Information:

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

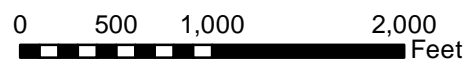
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 155 of 216

1:12,000



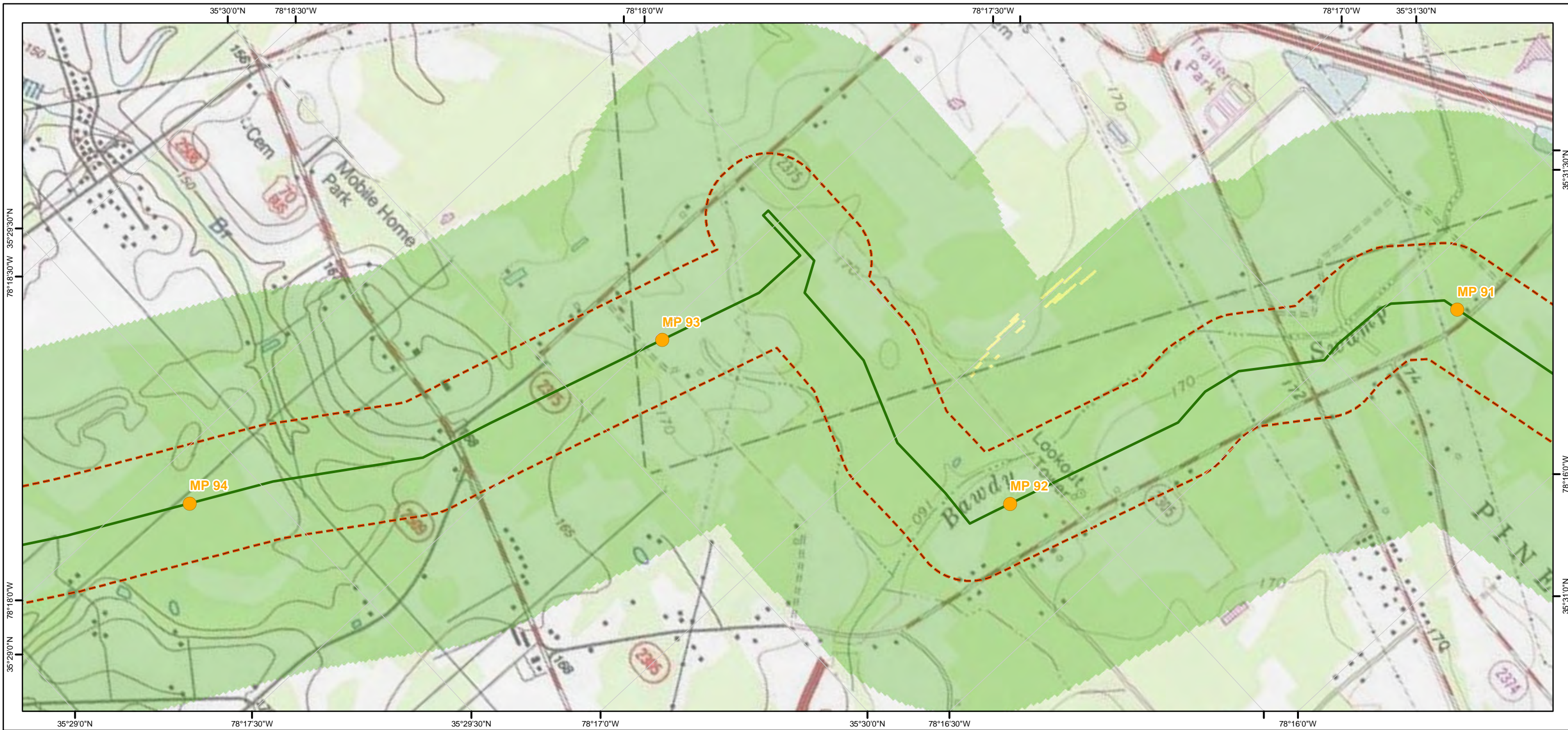
Document Information:

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)



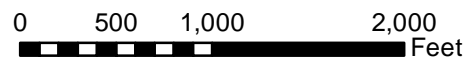
Legend

- 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 156 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

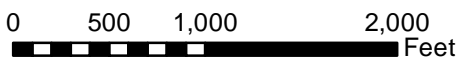
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 157 of 216

1:12,000



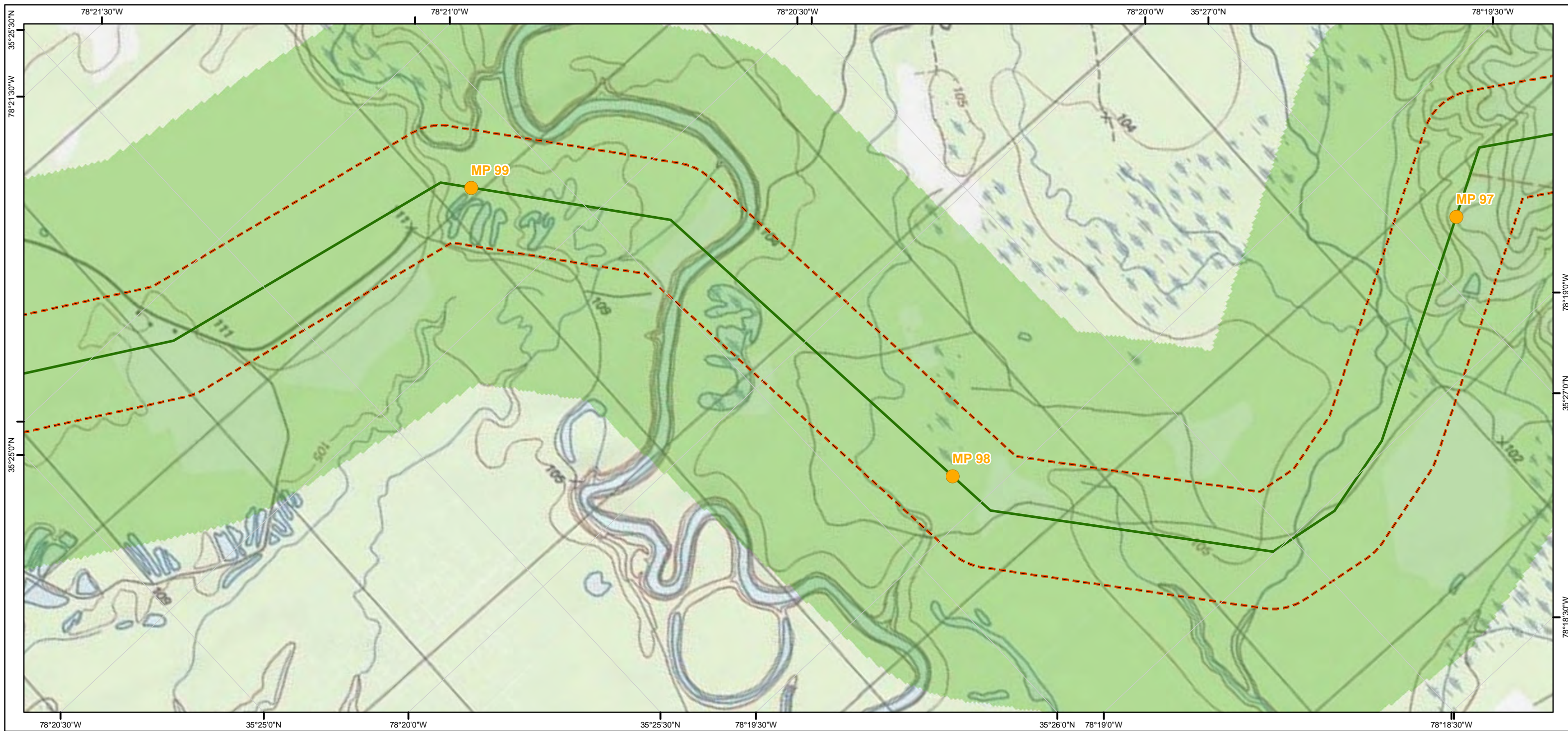
Document Information:

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: WV-BES (2015) and PA-DEP (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 158 of 216



Document Information:

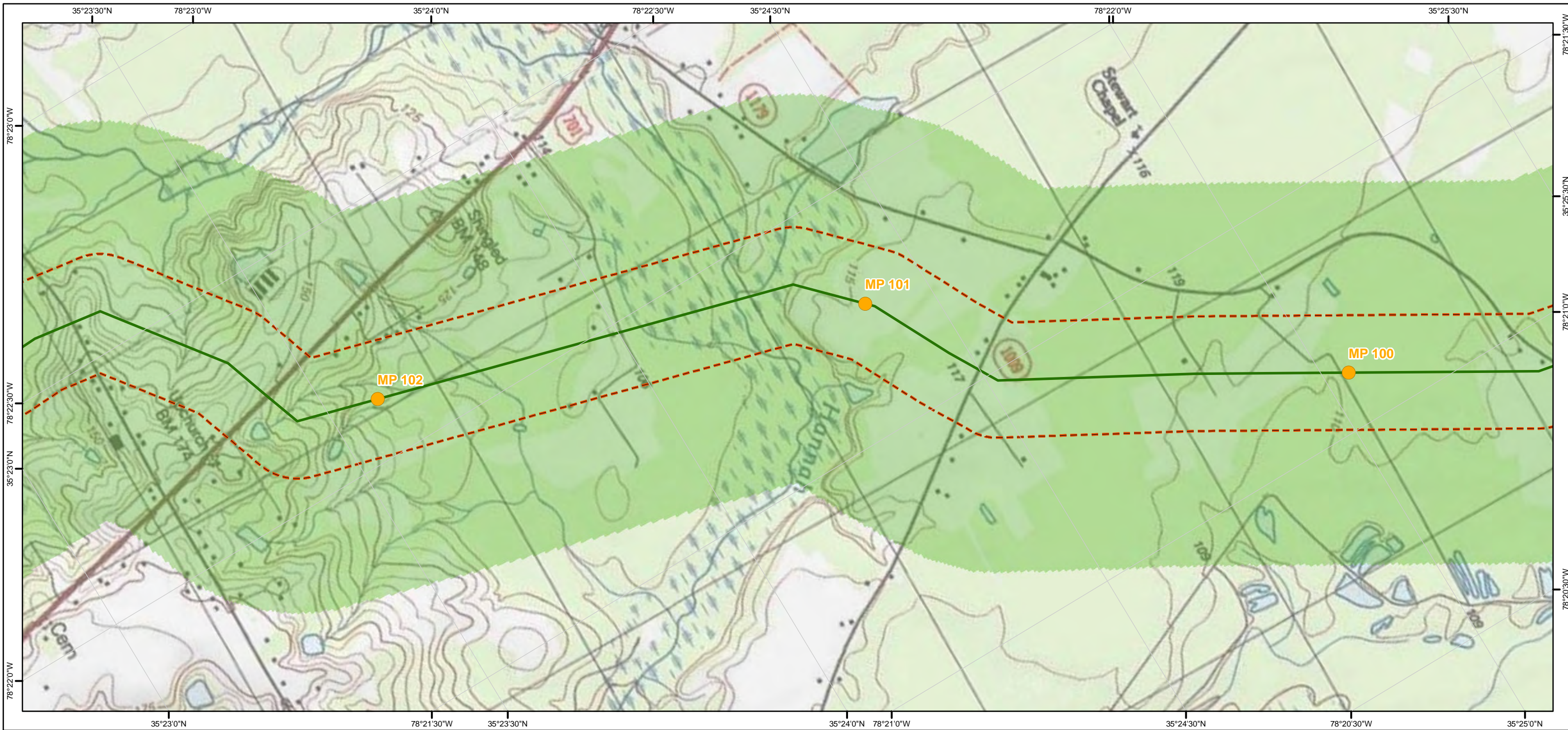
Document No: DOM_EC_SUB_MA_SER001

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

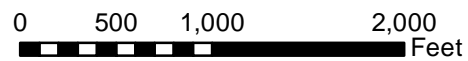
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 159 of 216

1:12,000



Document Information:

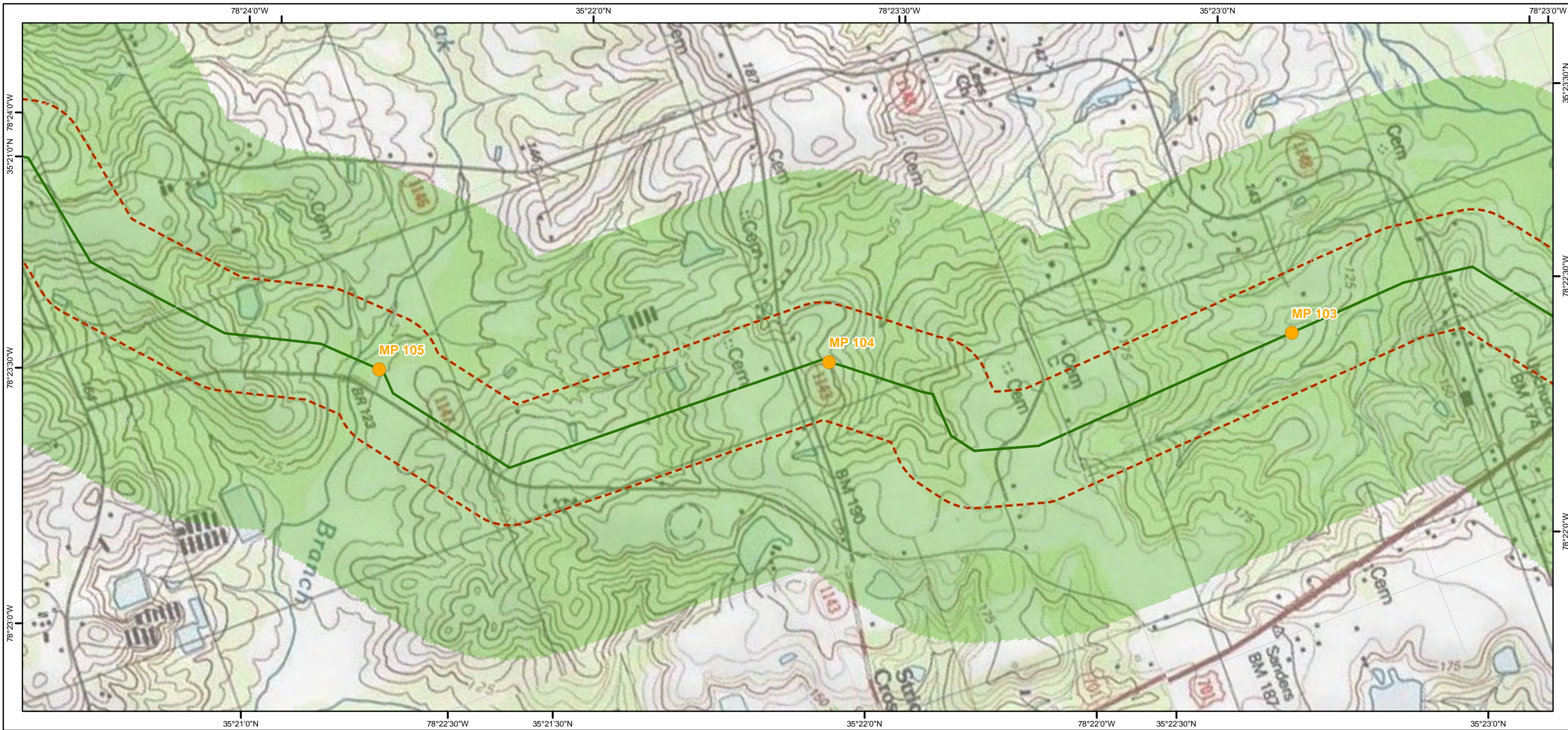
Document No: DOM_EC_SUB_MA_SER001

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)



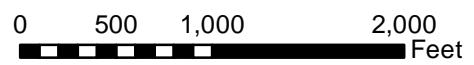


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely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

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

Sheet 160 of 216

1:12,000



Document Information:

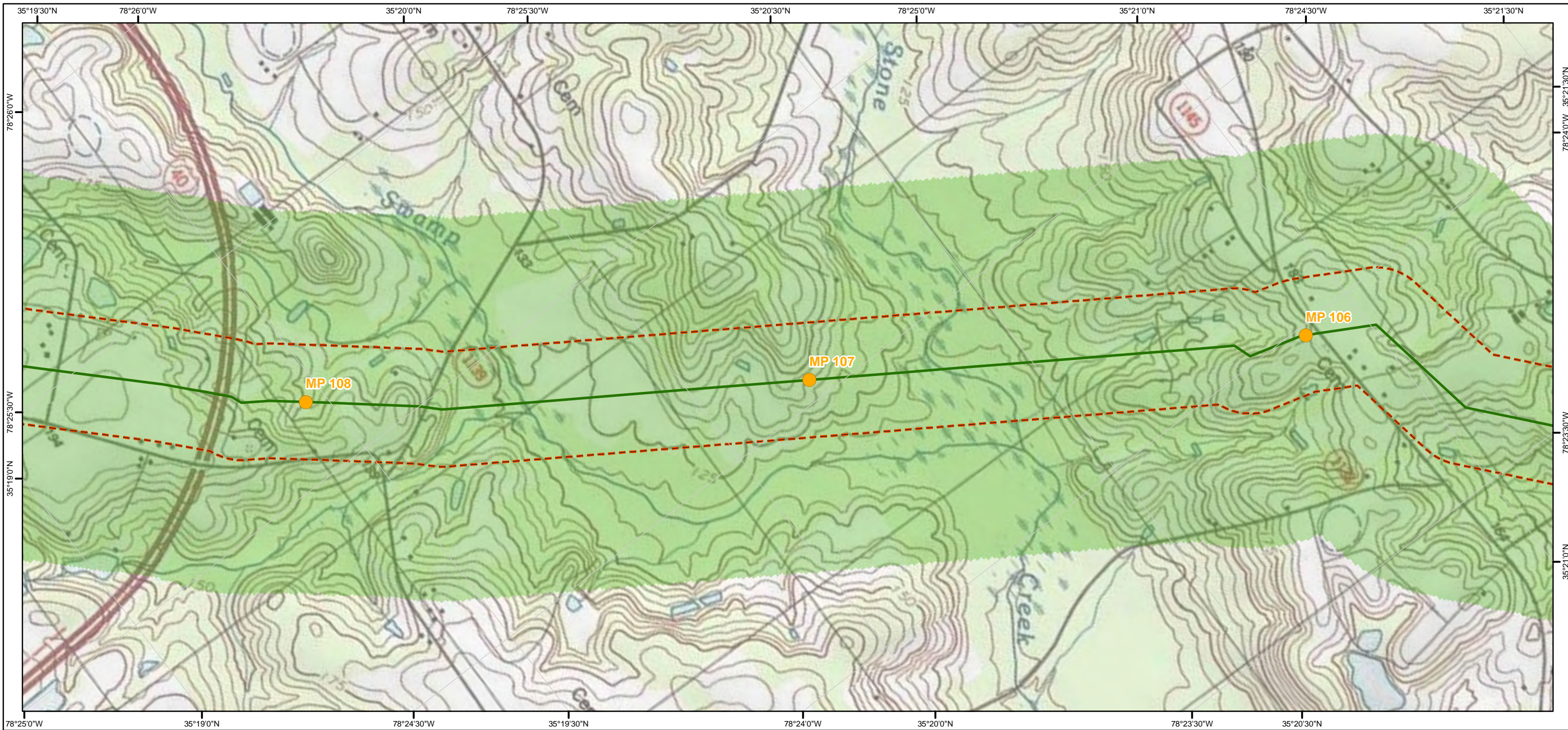
Document No: DOM_EC_SUB_MA_SER001

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

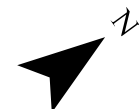
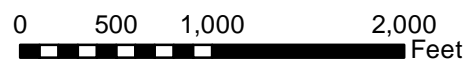


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely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

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

Sheet 161 of 216

1:12,000



Document Information:

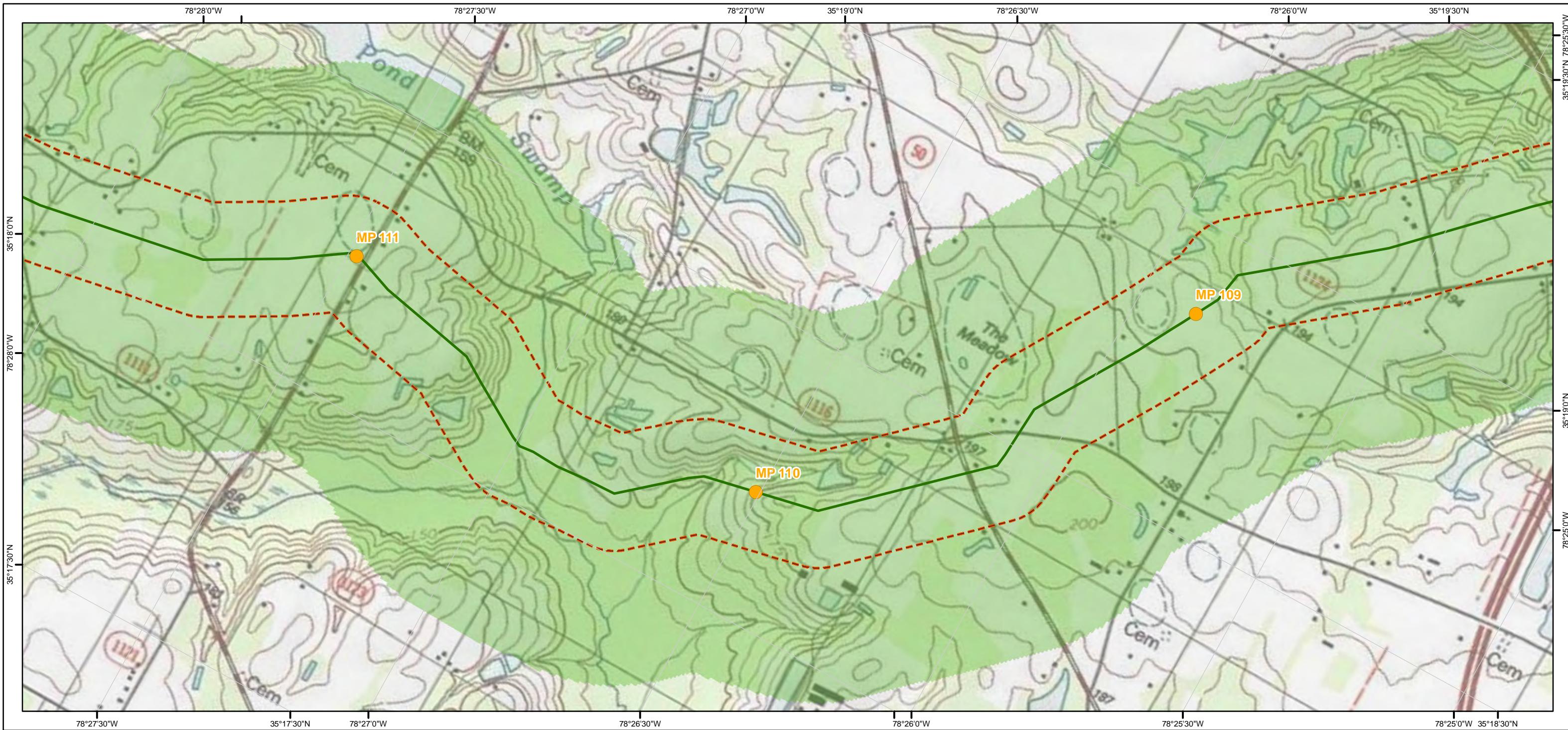
Document No: DOM_EC_SUB_MA_SER001

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)





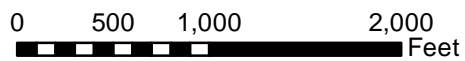
Legend

- 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 162 of 216

1:12,000



Document Information:

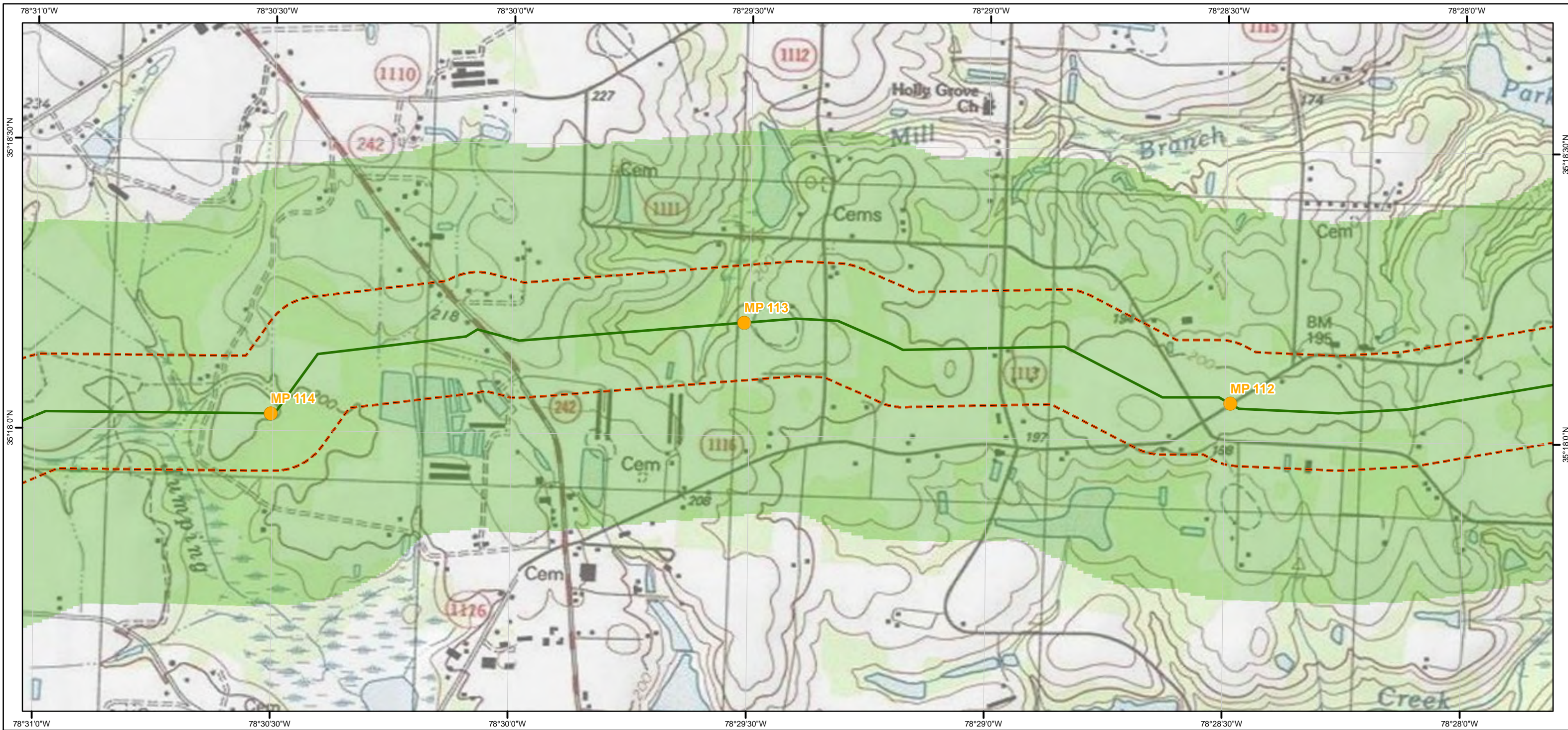
Document No: DOM_EC_SUB_MA_SER001

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)

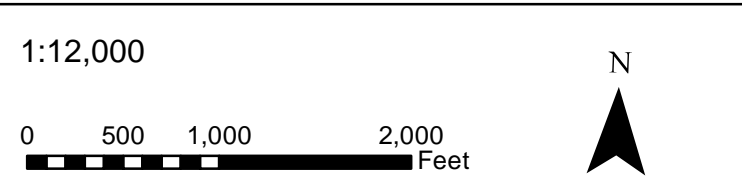




- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely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

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

Sheet 163 of 216



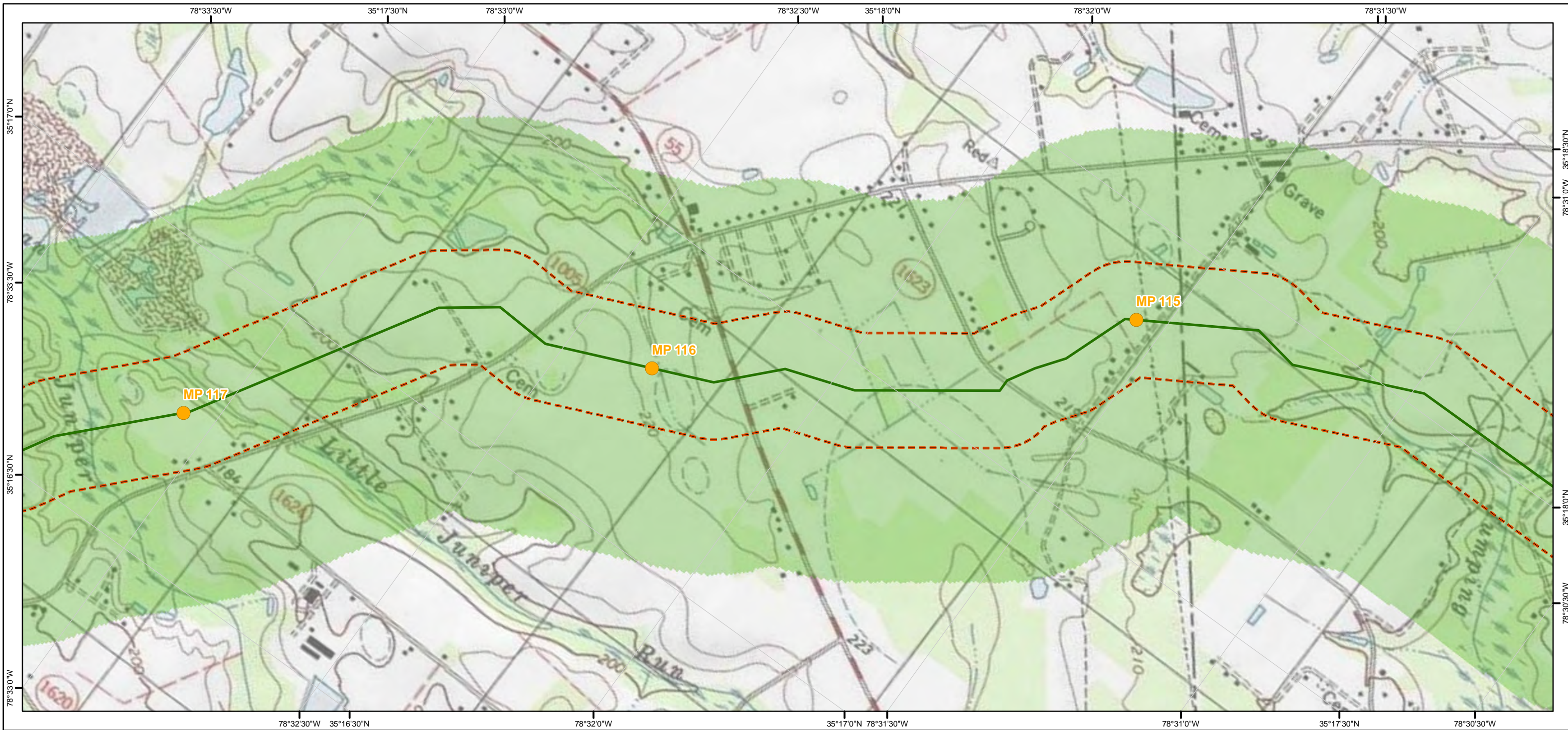
Document Information:

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
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 164 of 216

1:12,000

0 500 1,000 2,000

Feet

Document Information:

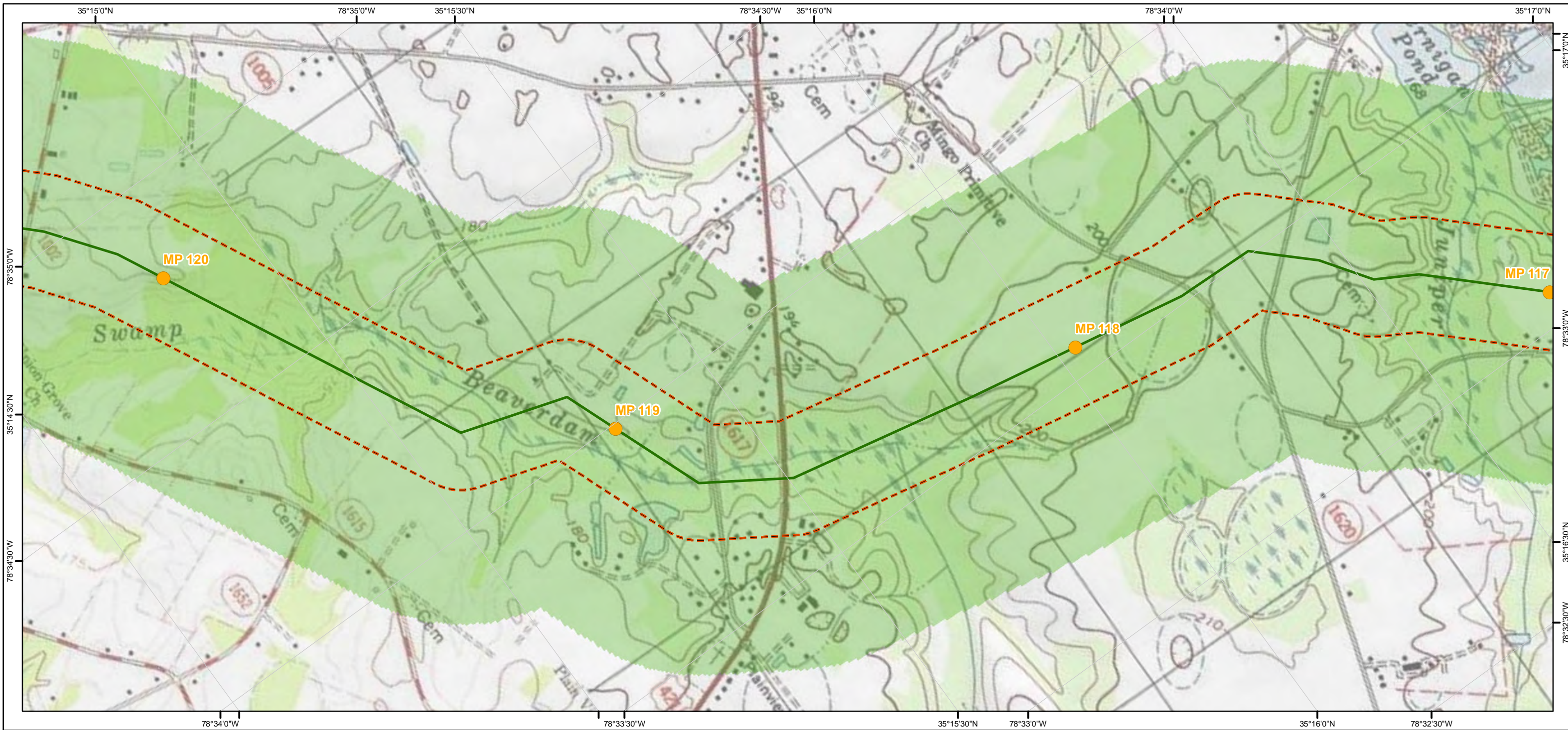
Document No: DOM_EC_SUB_MA_SER001

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

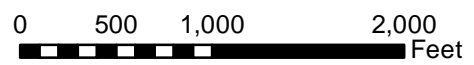
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 165 of 216

1:12,000



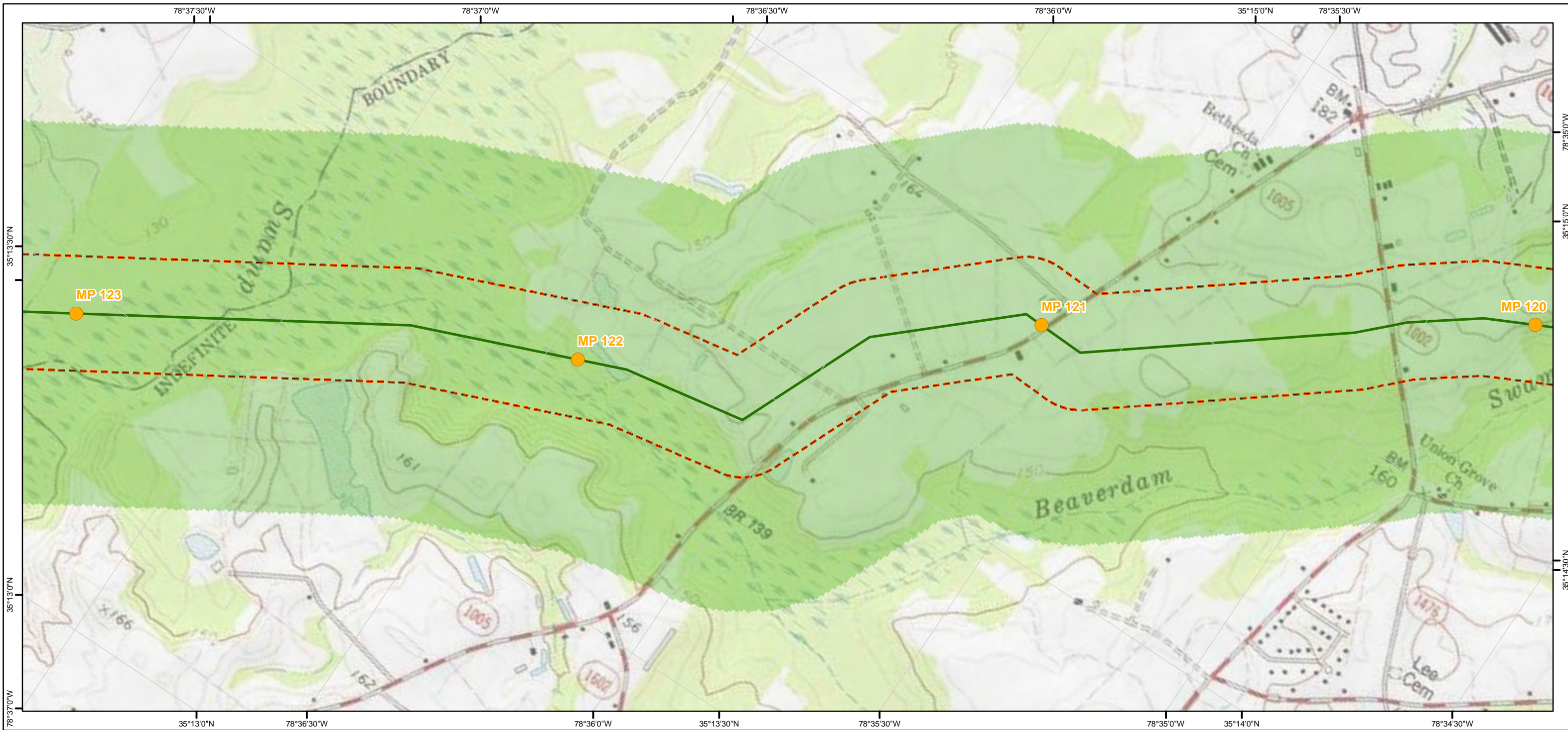
Document Information:

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)



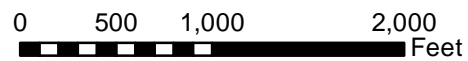
Legend

- 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 166 of 216

1:12,000



Document Information:

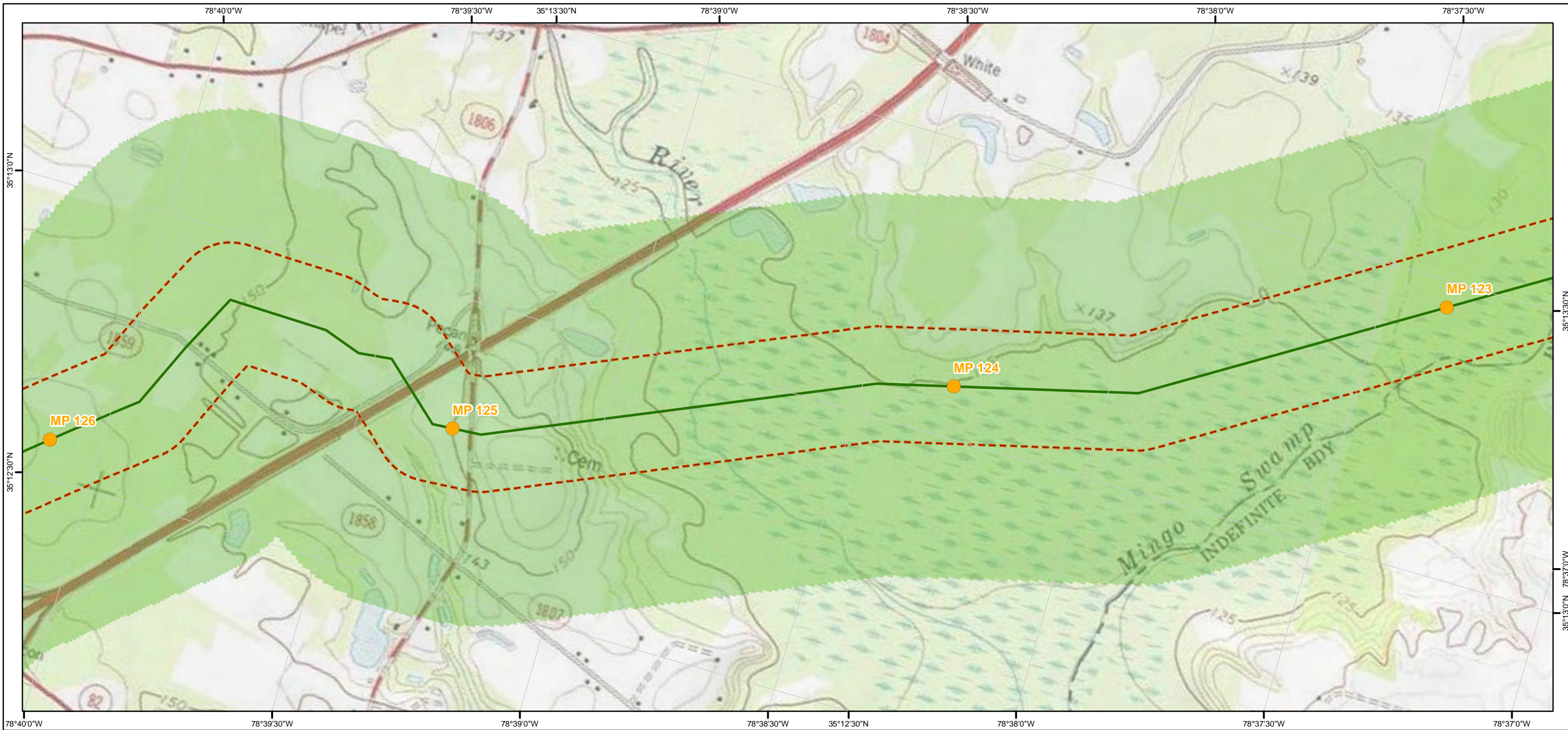
Document No: DOM_EC_SUB_MA_SER001

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

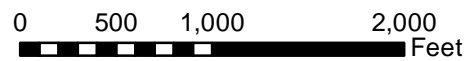
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

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 167 of 216

1:12,000



Document Information:

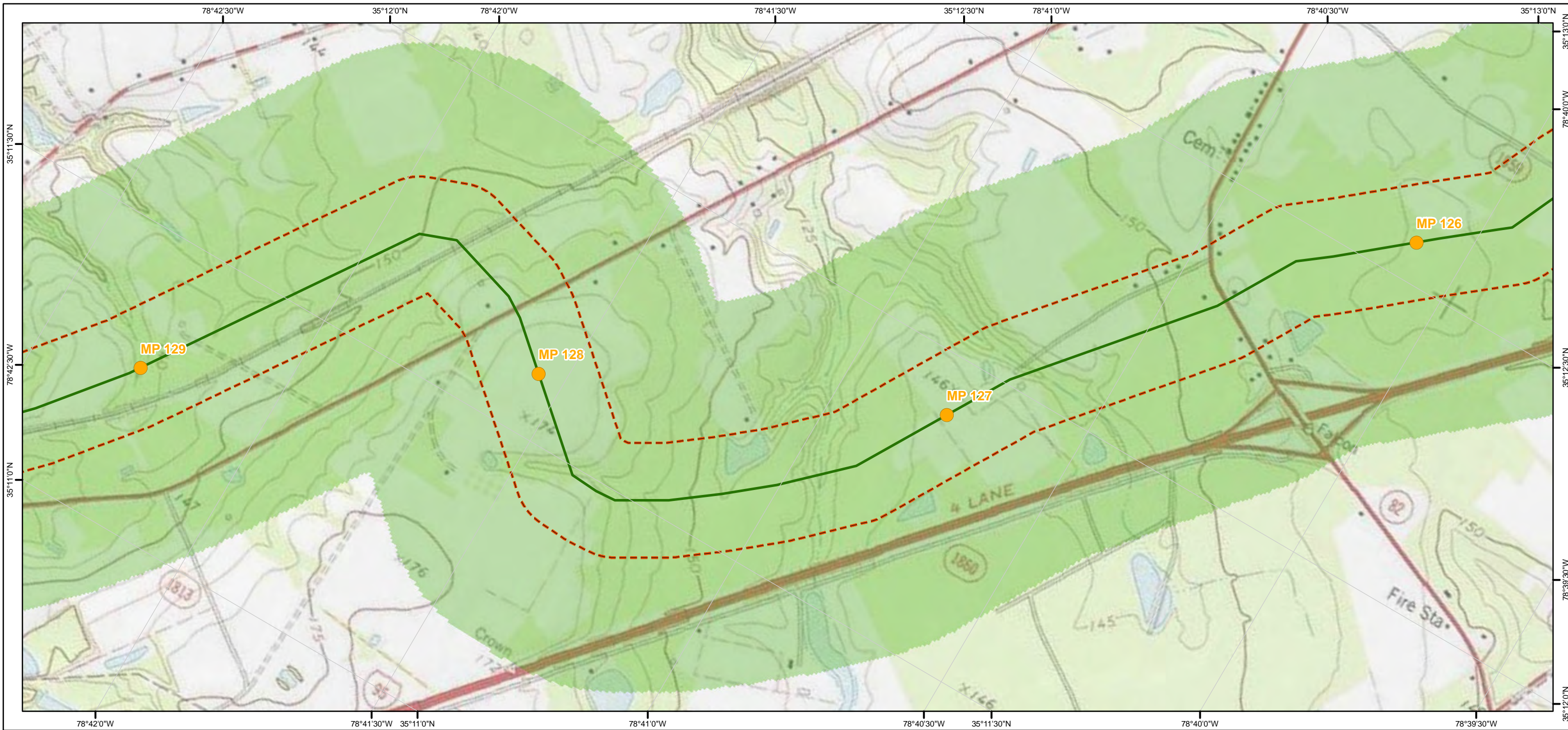
Document No: DOM_EC_SUB_MA_SER001

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

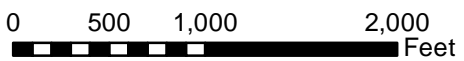
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 168 of 216

1:12,000



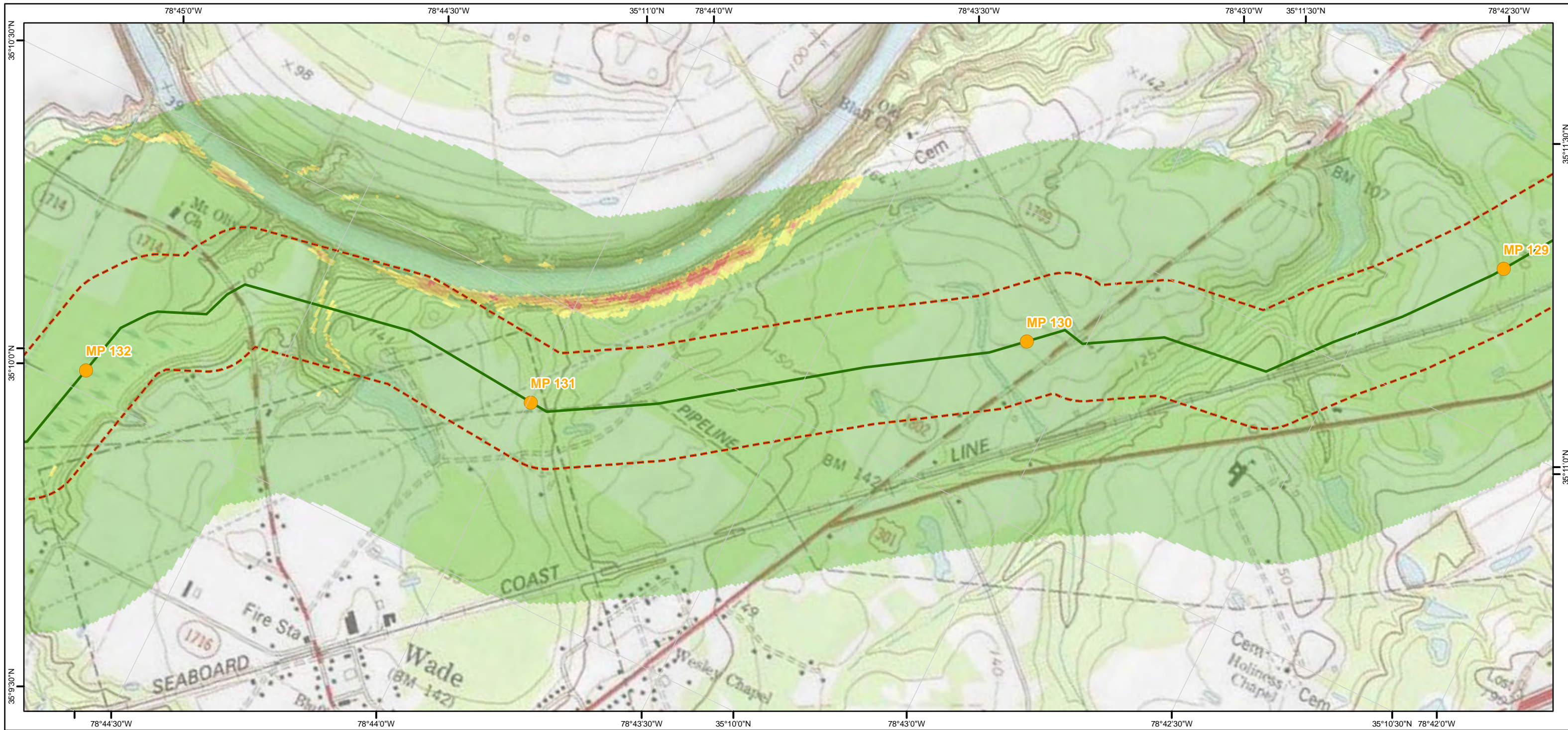
Document Information:

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 169 of 216

1:12,000

0 500 1,000 2,000
Feet

Document Information:

Document No: DOM_EC_SUB_MA_SER001

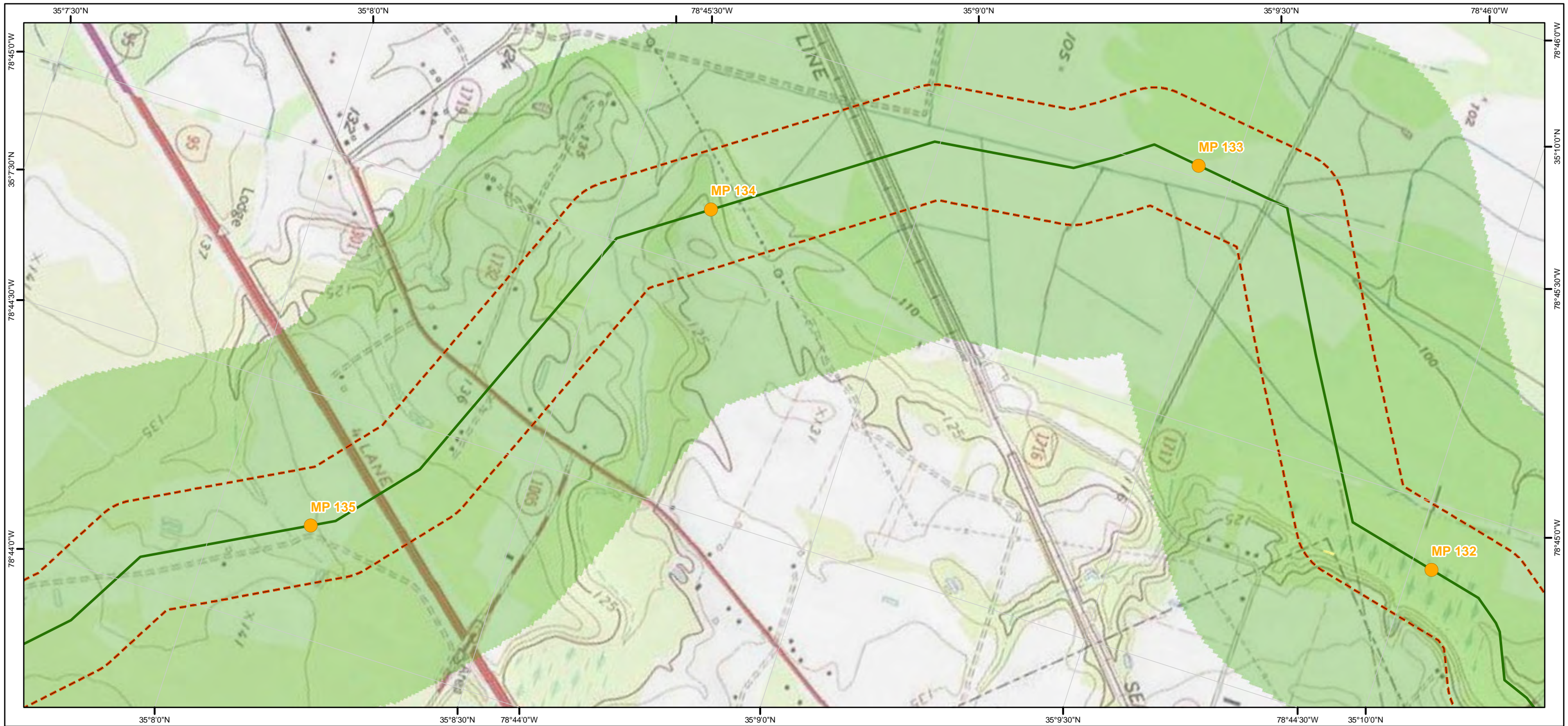
Revision	Date	Created By	Approved By
1	07-22-2016	CR	ZL
2	02-21-2017	CR	ZL
3	04-21-2017	BP	ZL

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 **TATIONS**



Legend

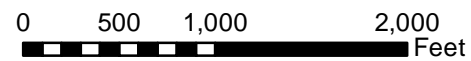
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

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 170 of 216

1:12,000



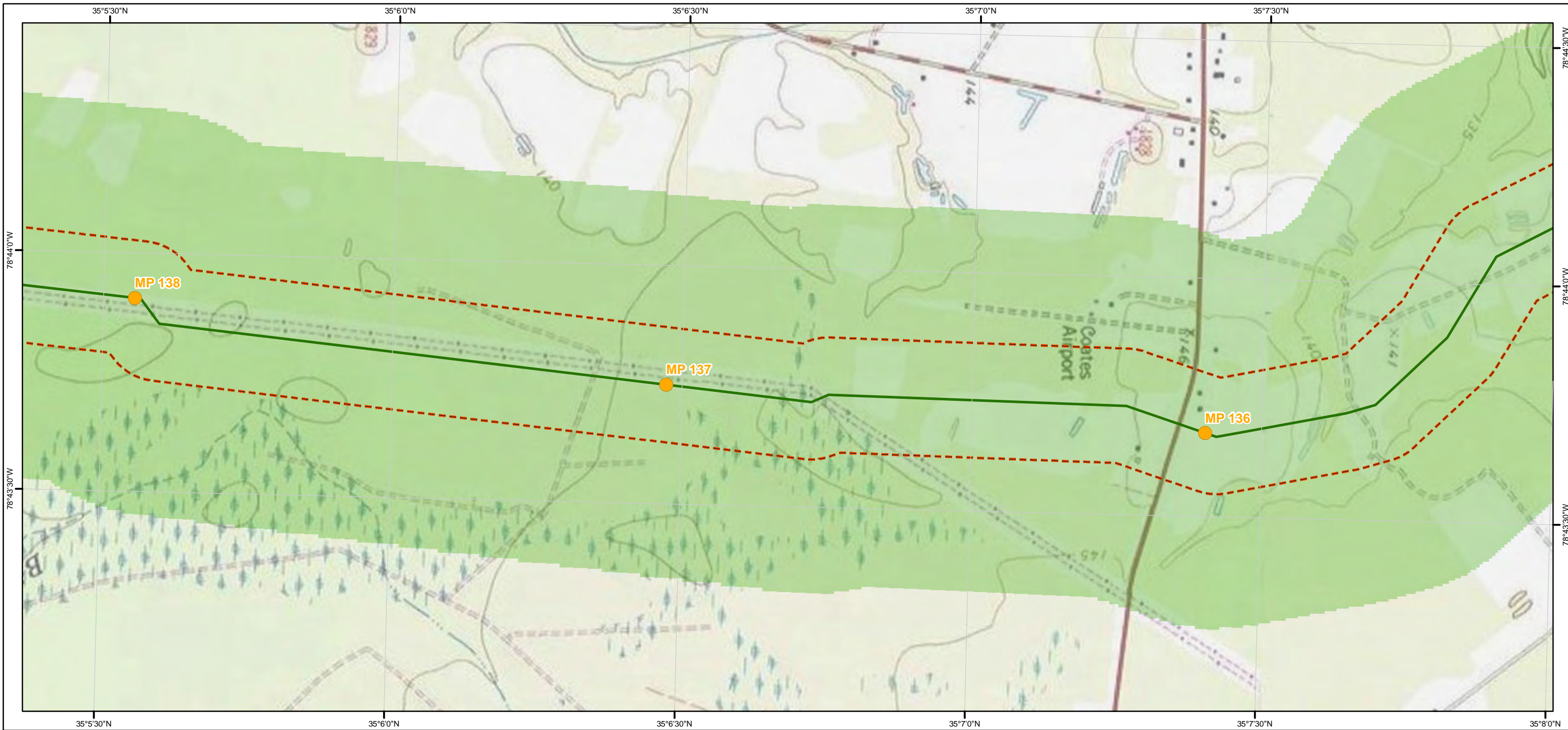
Document Information:

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)



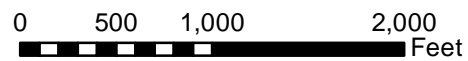
Legend

- 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 171 of 216

1:12,000



Document Information:

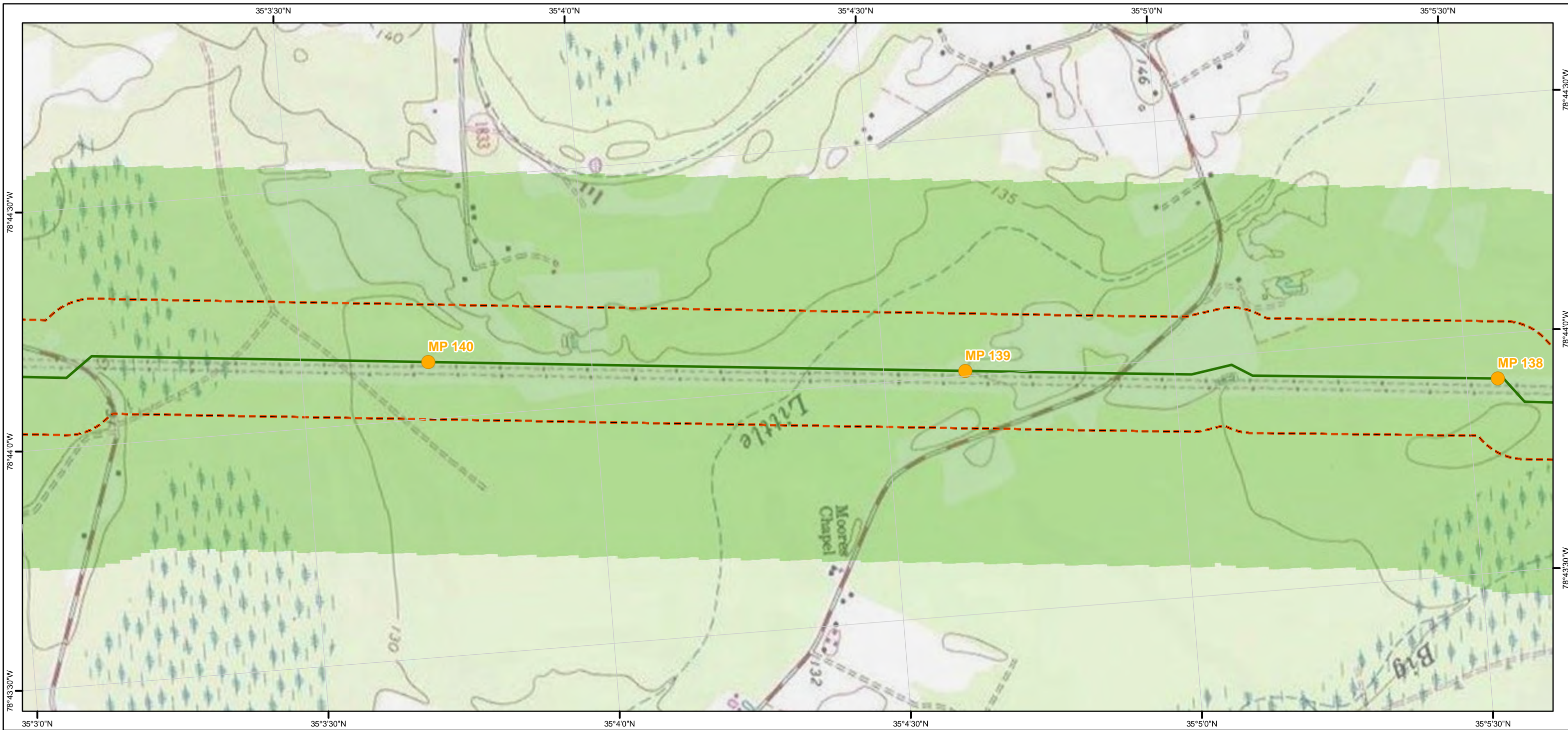
Document No: DOM_EC_SUB_MA_SER001

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)





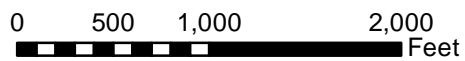
Legend

- 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 172 of 216

1:12,000



Document Information:

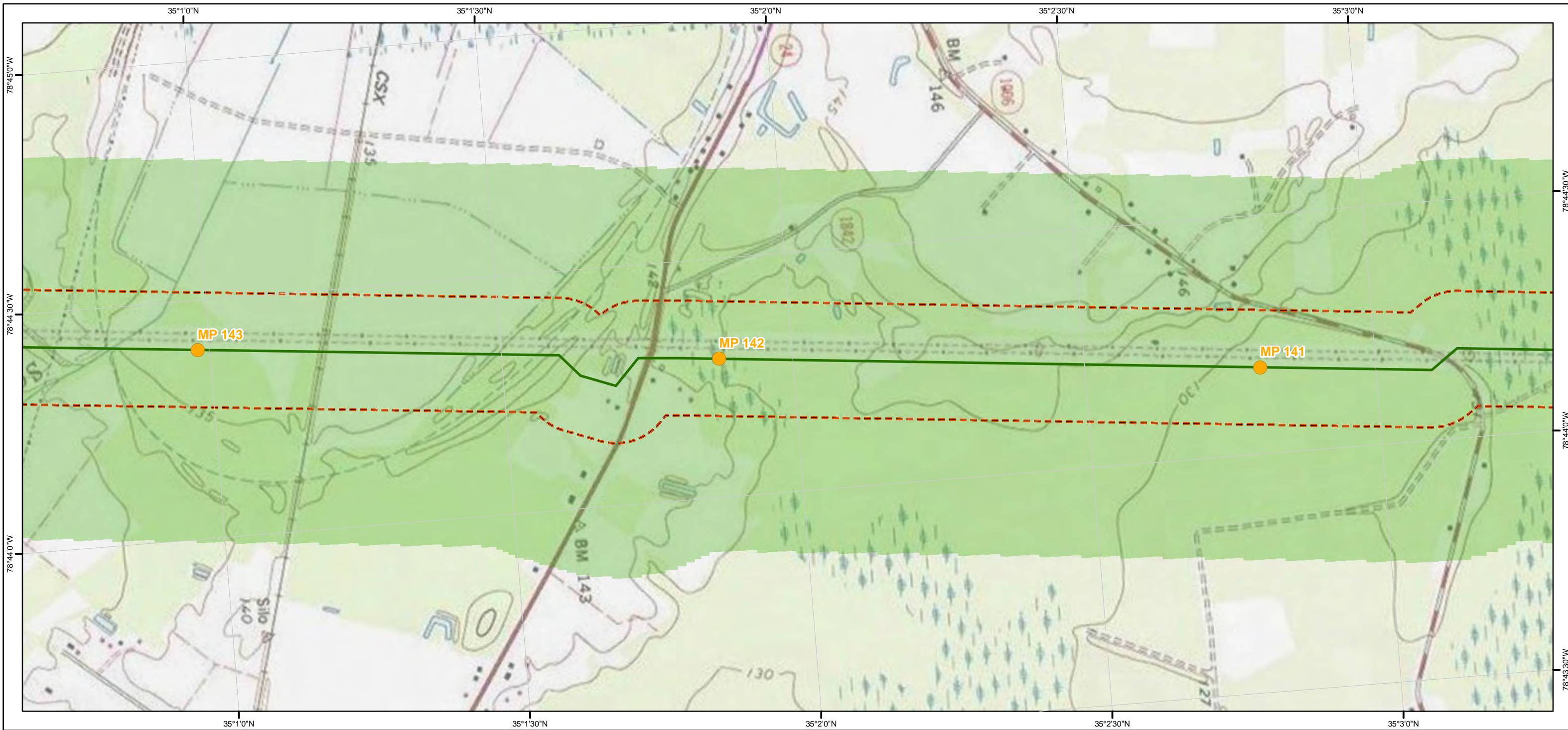
Document No: DOM_EC_SUB_MA_SER001

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)





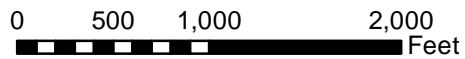
Legend

- 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 173 of 216

1:12,000



Document Information:

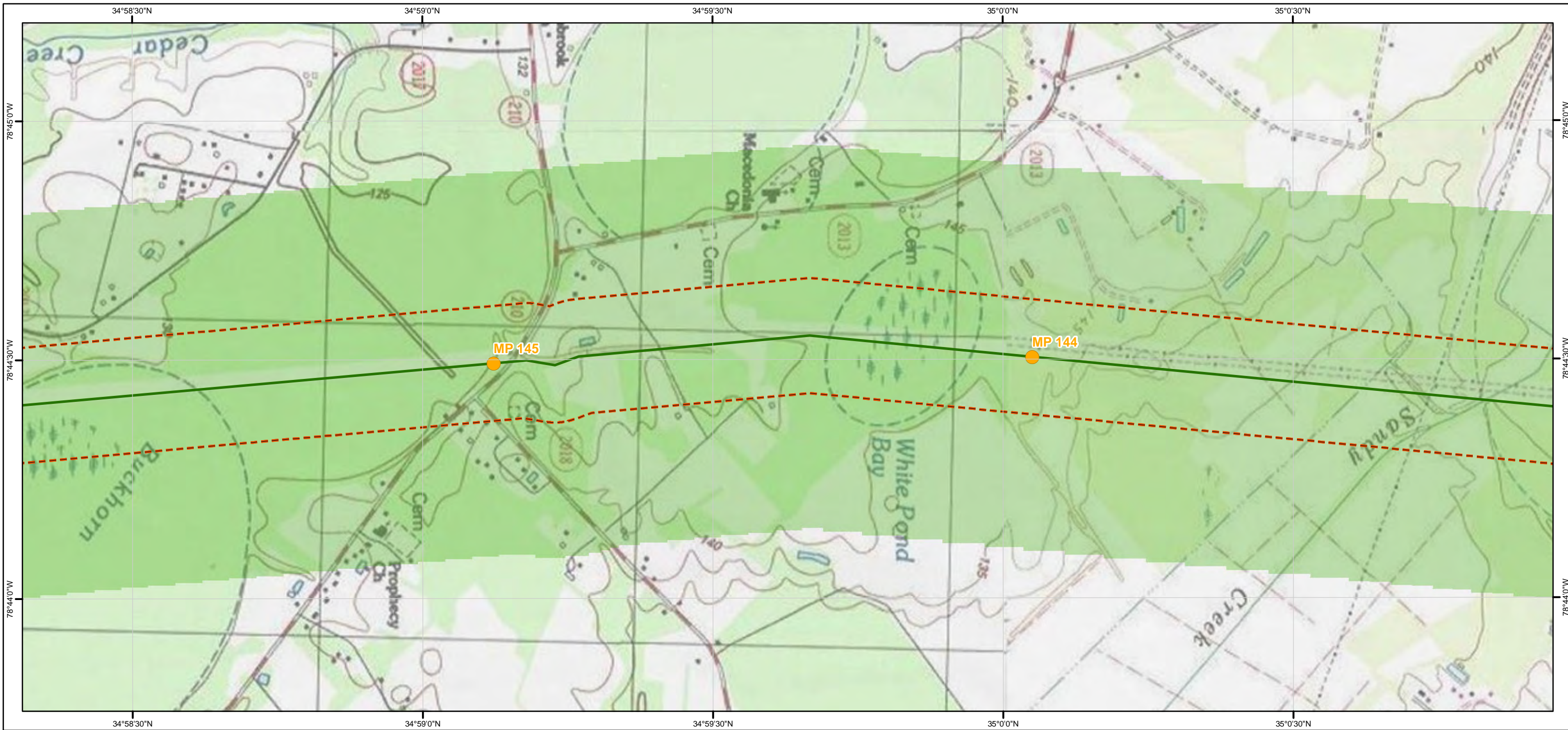
Document No: DOM_EC_SUB_MA_SER001

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)



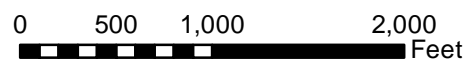


- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely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

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

Sheet 174 of 216

1:12,000



Document Information:

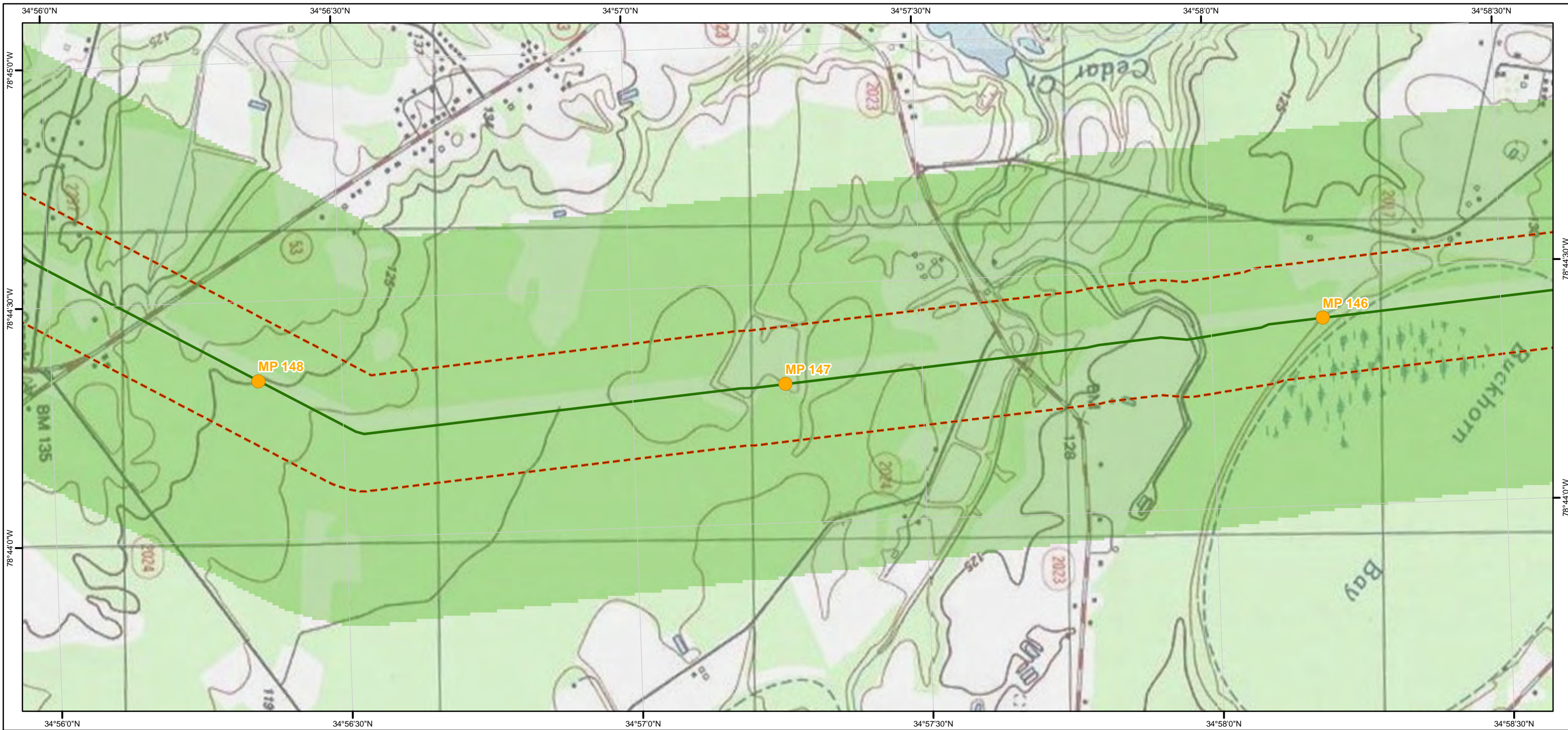
Document No: DOM_EC_SUB_MA_SER001

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

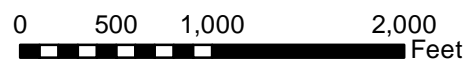
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 175 of 216

1:12,000



Document Information:

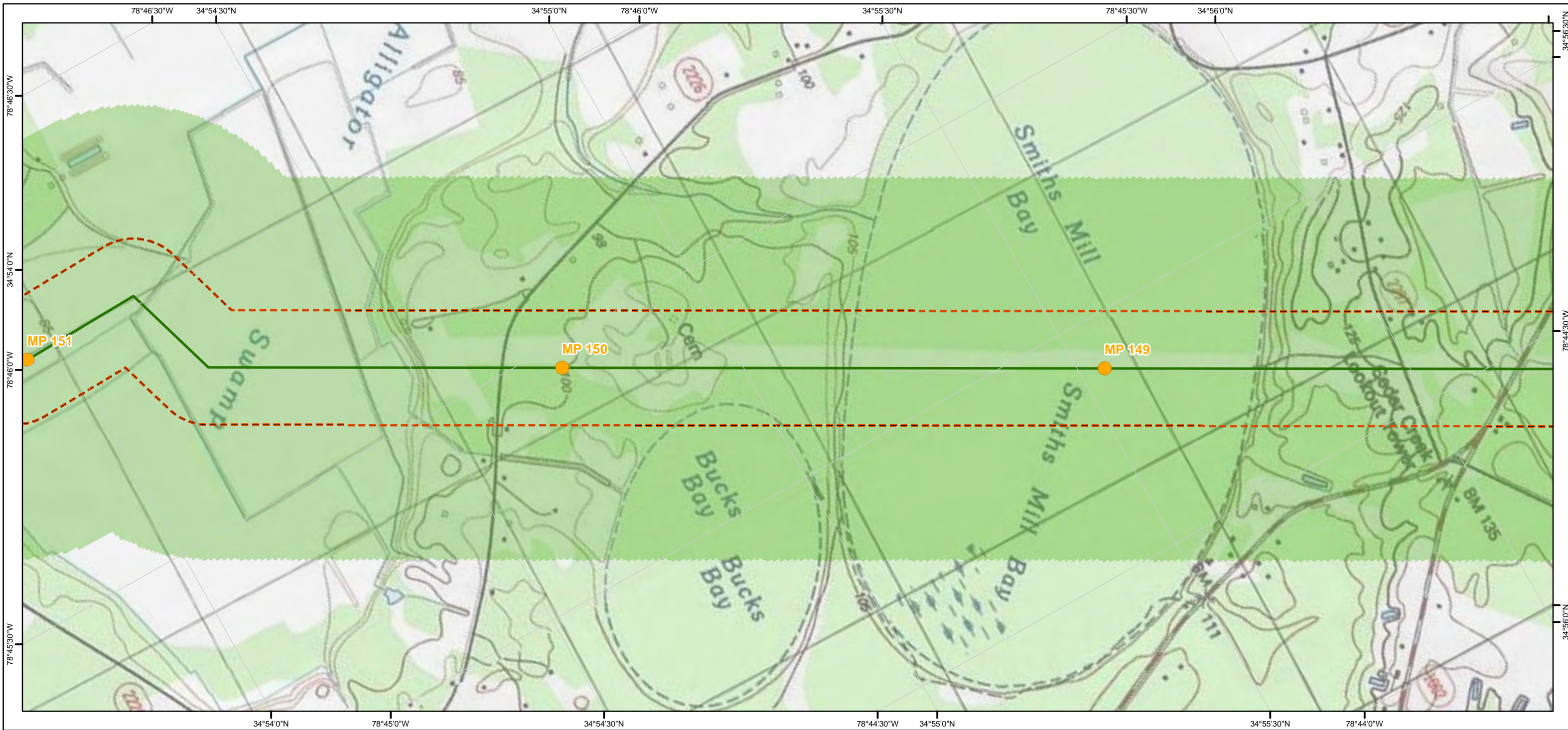
Document No: DOM_EC_SUB_MA_SER001

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

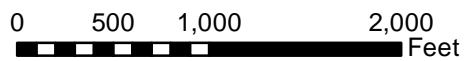
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 176 of 216

1:12,000



Document Information:

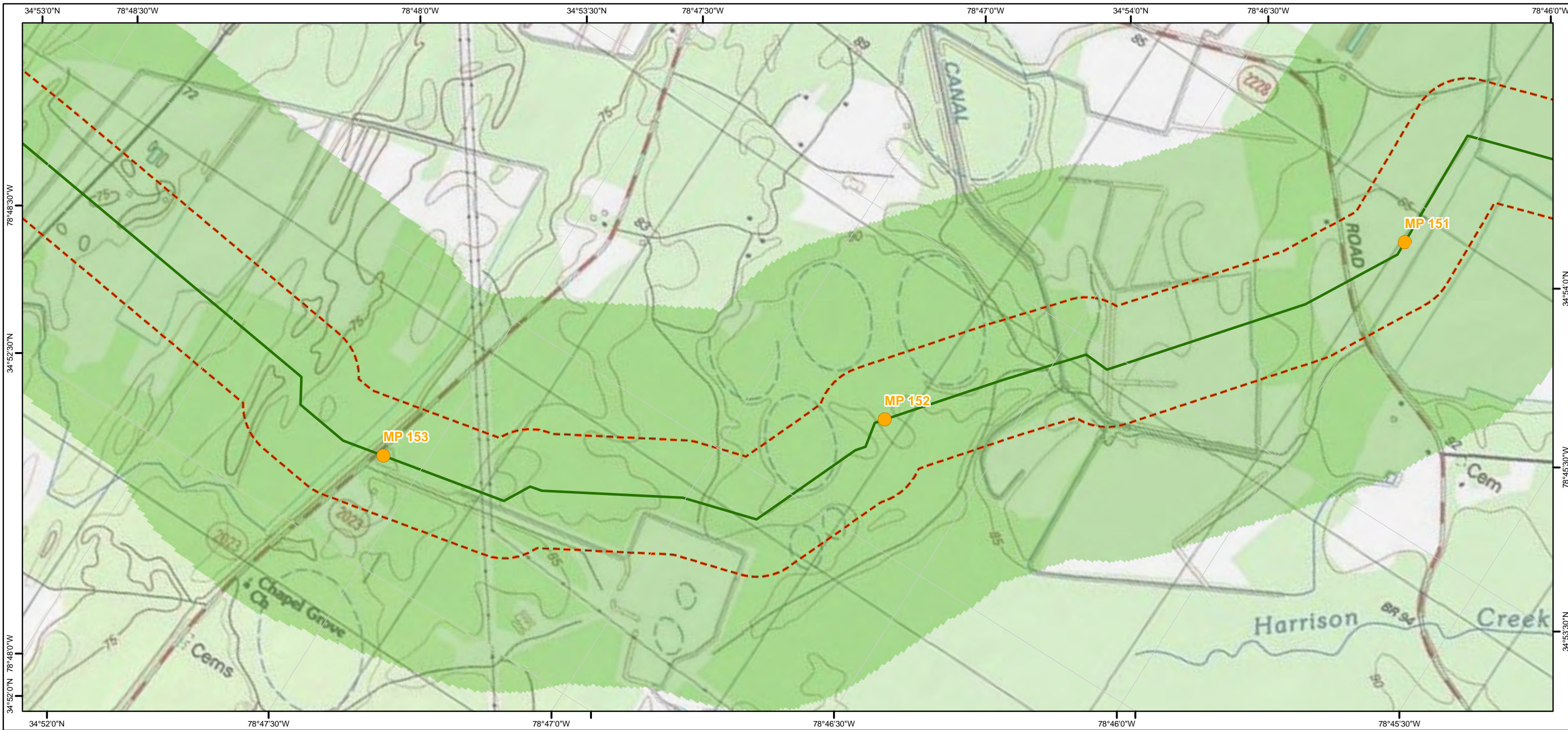
Document No: DOM_EC_SUB_MA_SER001

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

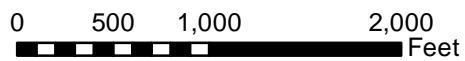
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 177 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: WV BES (2015) and PA DEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

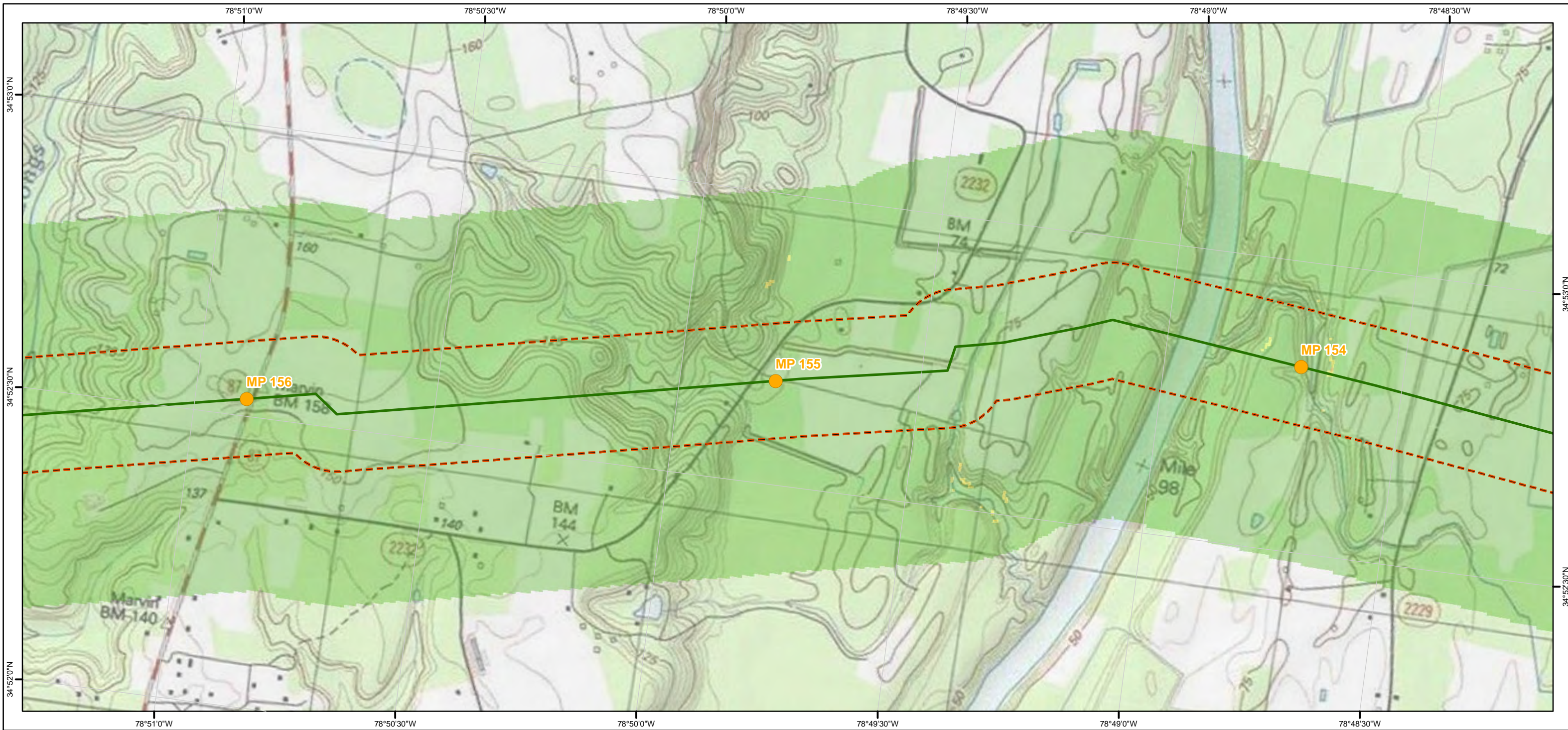


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

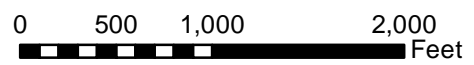
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 178 of 216

1:12,000



Document Information:

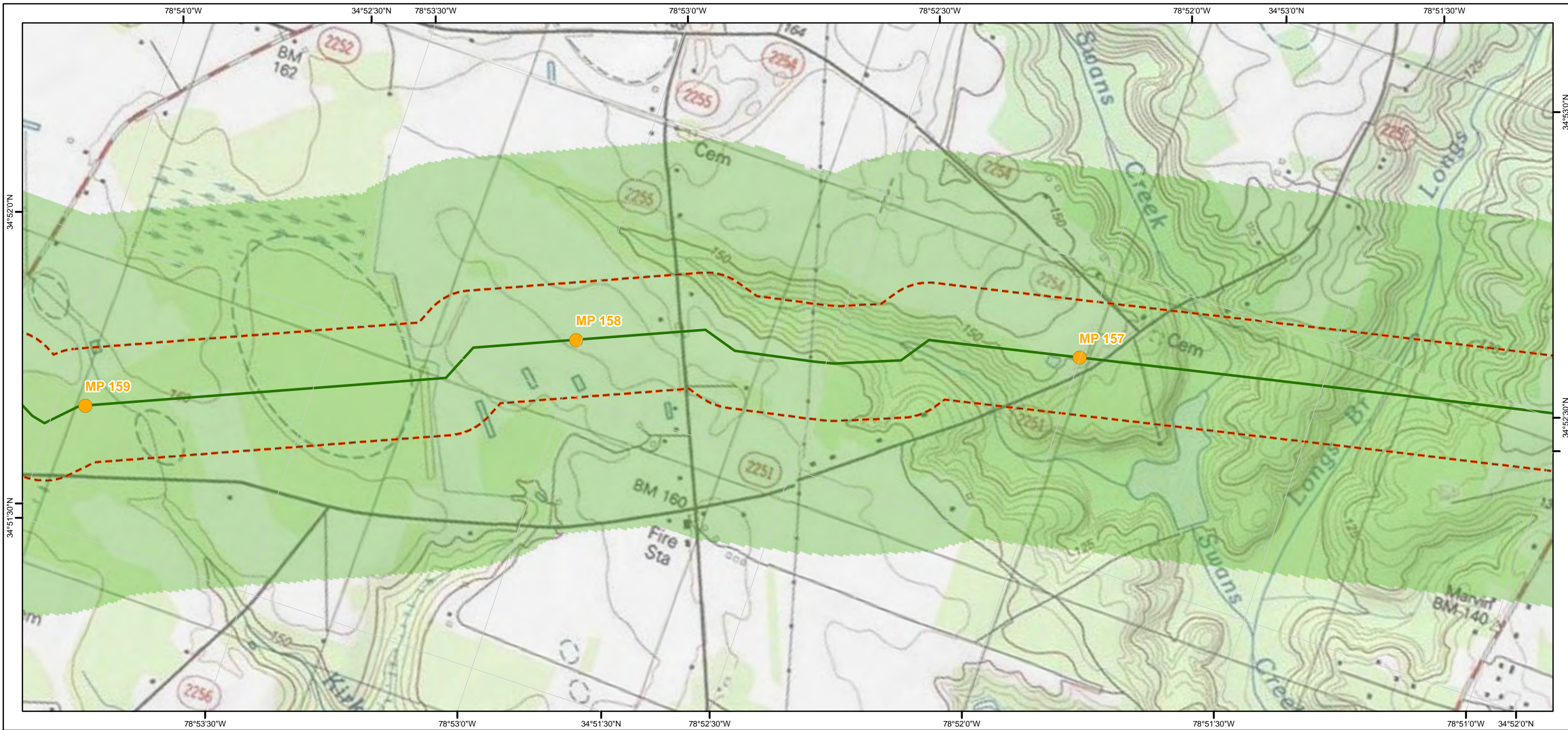
Document No: DOM_EC_SUB_MA_SER001

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 ENGINEERING



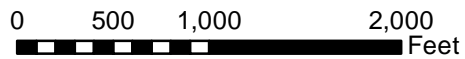
Legend

- 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 179 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)

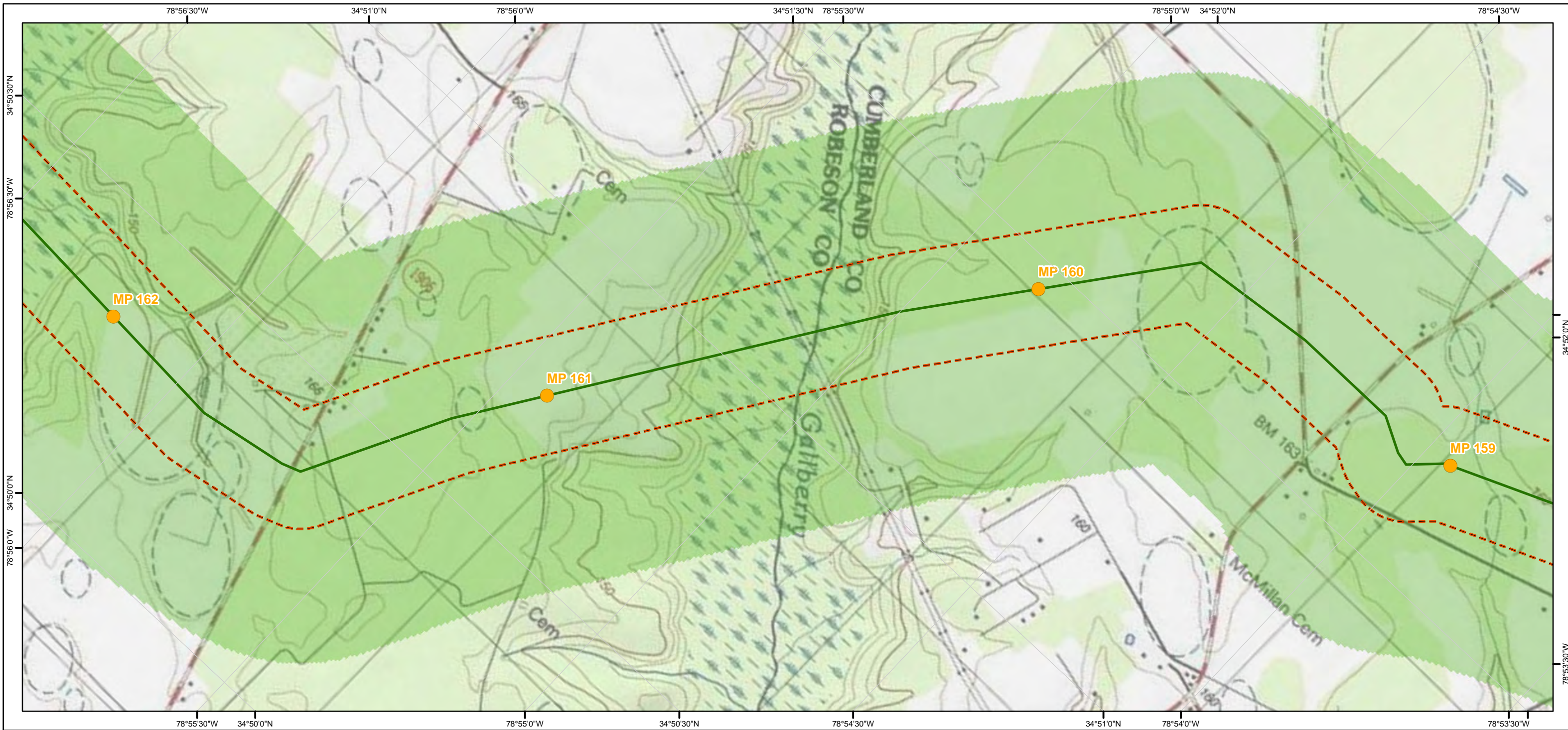


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

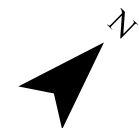
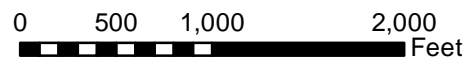
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 180 of 216

1:12,000



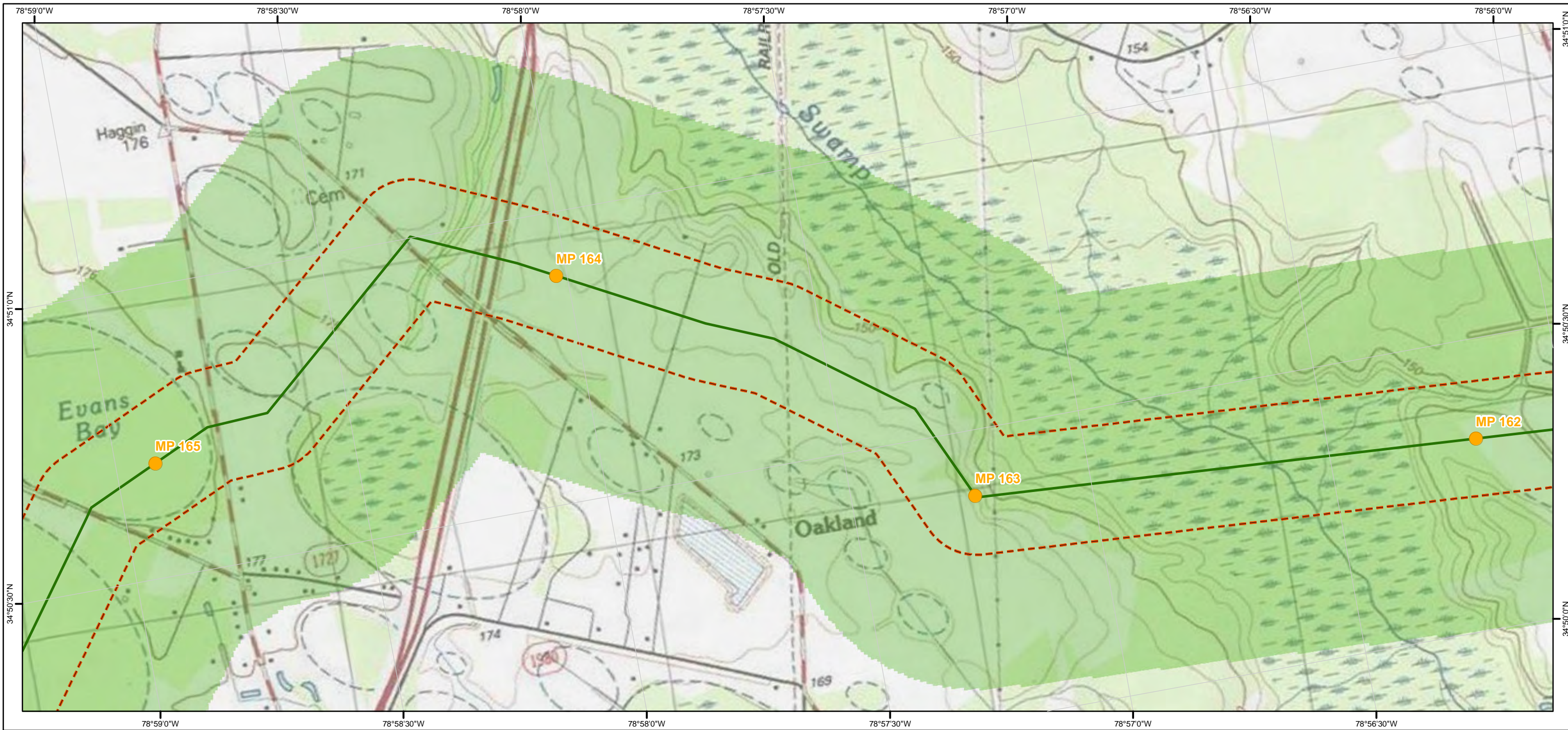
Document Information:

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

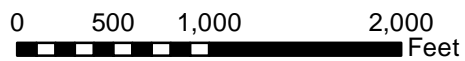
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

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 181 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 182 of 216



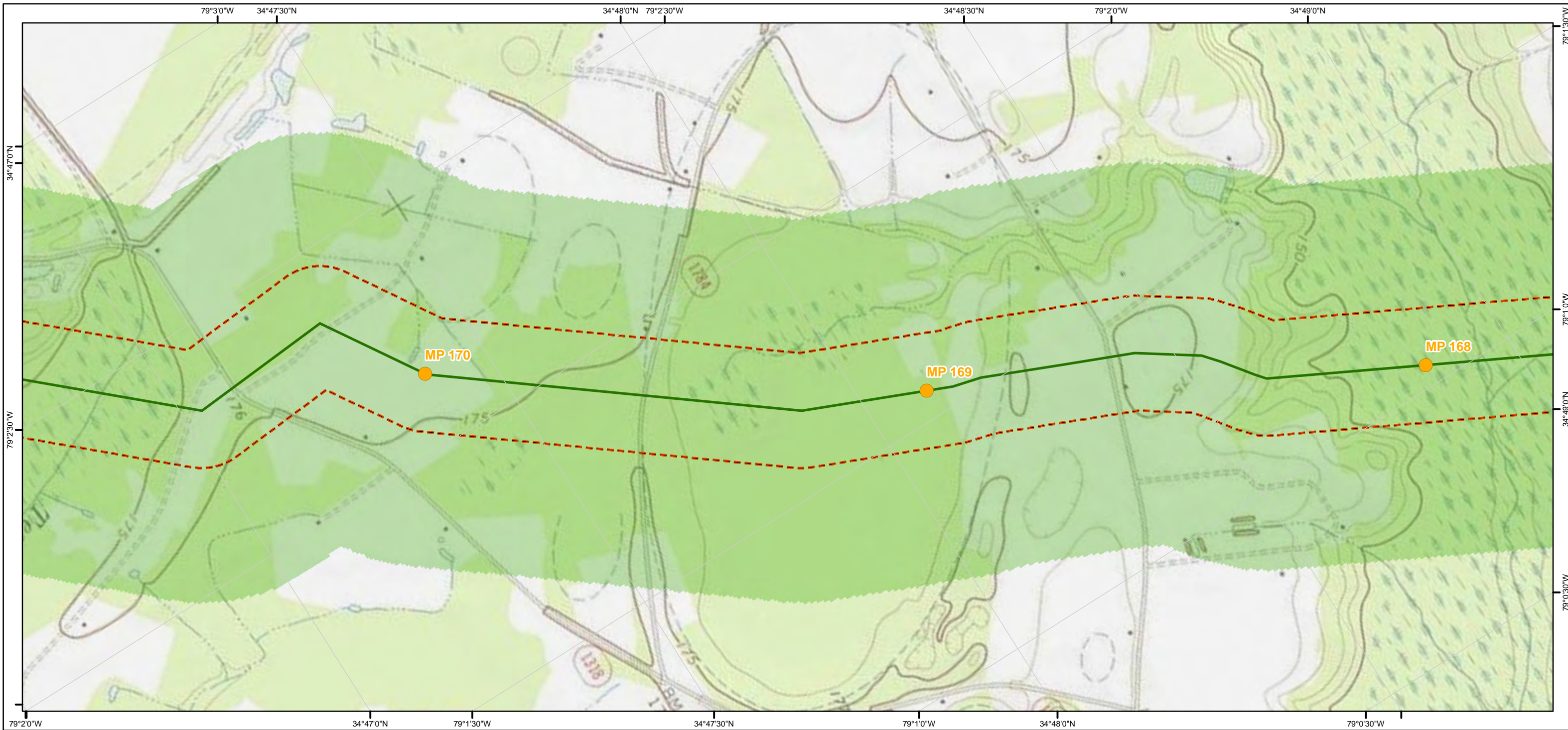
Document Information:

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



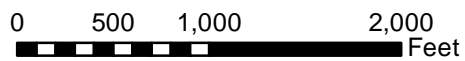
Legend

- 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 183 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

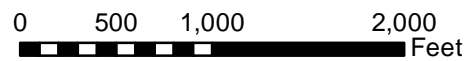
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 184 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)





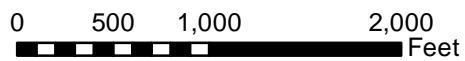
Legend

- 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 185 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)

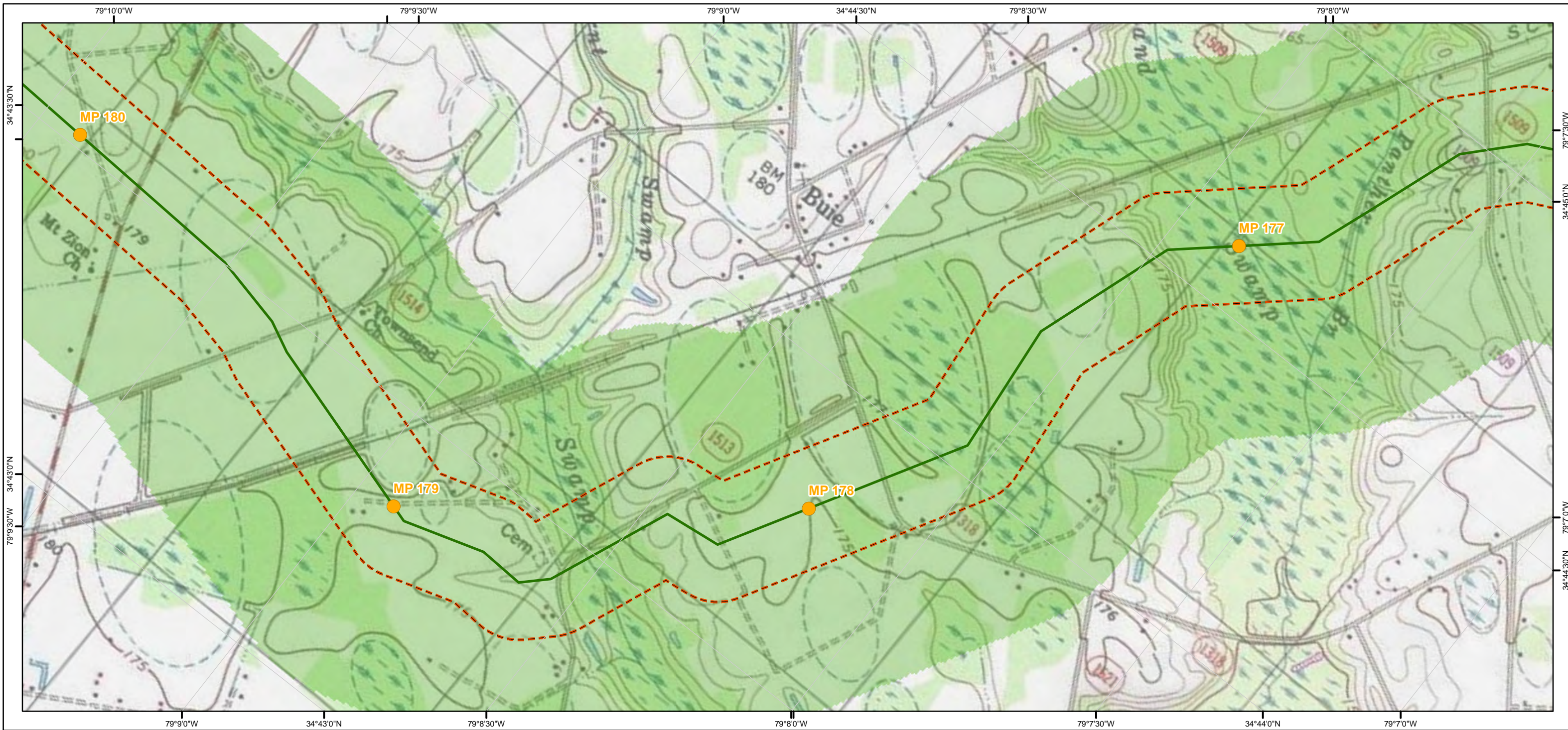


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

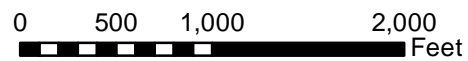
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 186 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**



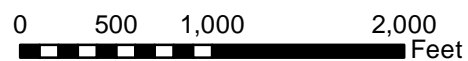
Legend

- 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 187 of 216

1:12,000



Document Information:

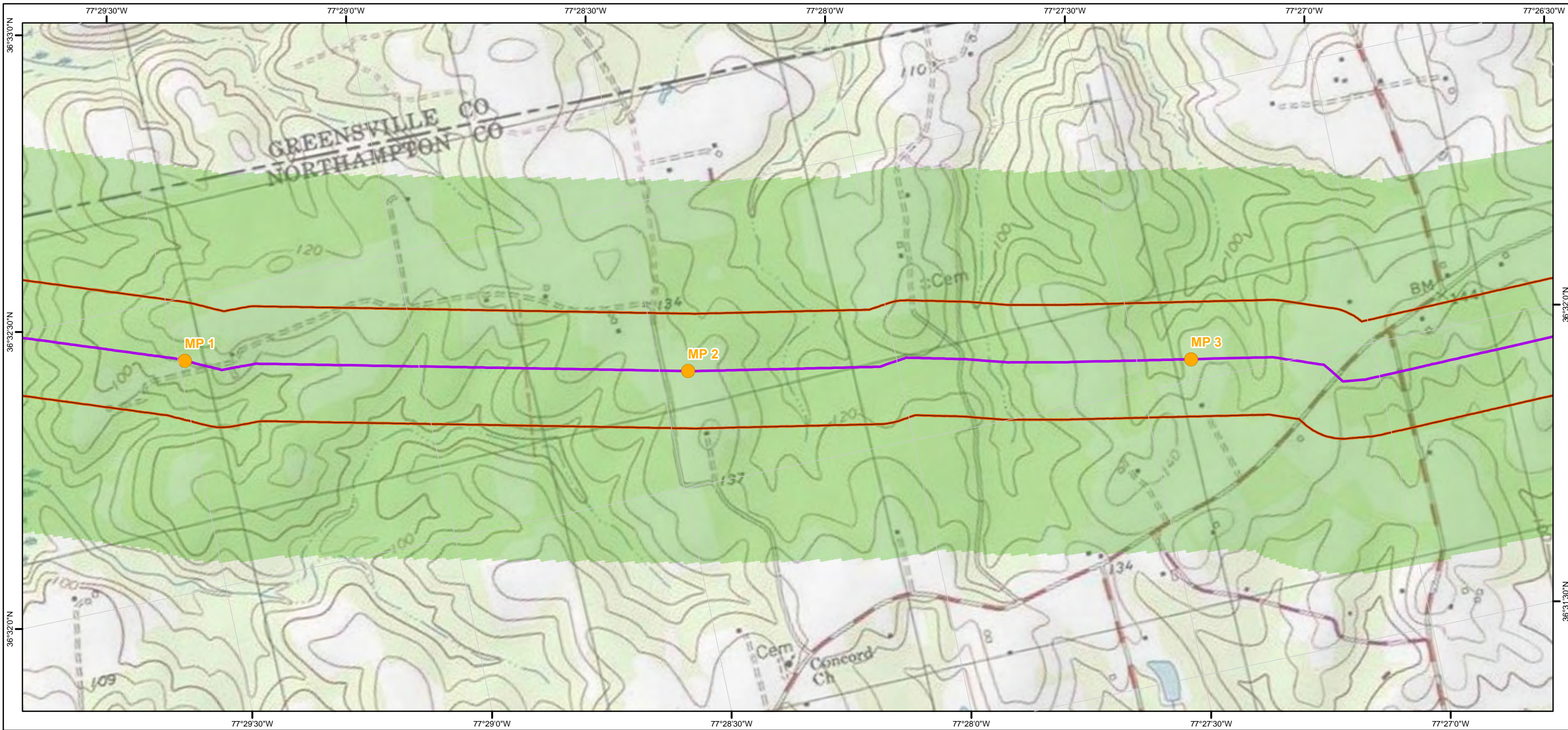
Document No: DOM_EC_SUB_MA_SER001

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

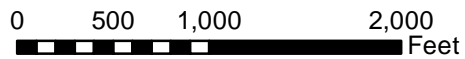
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 188 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)

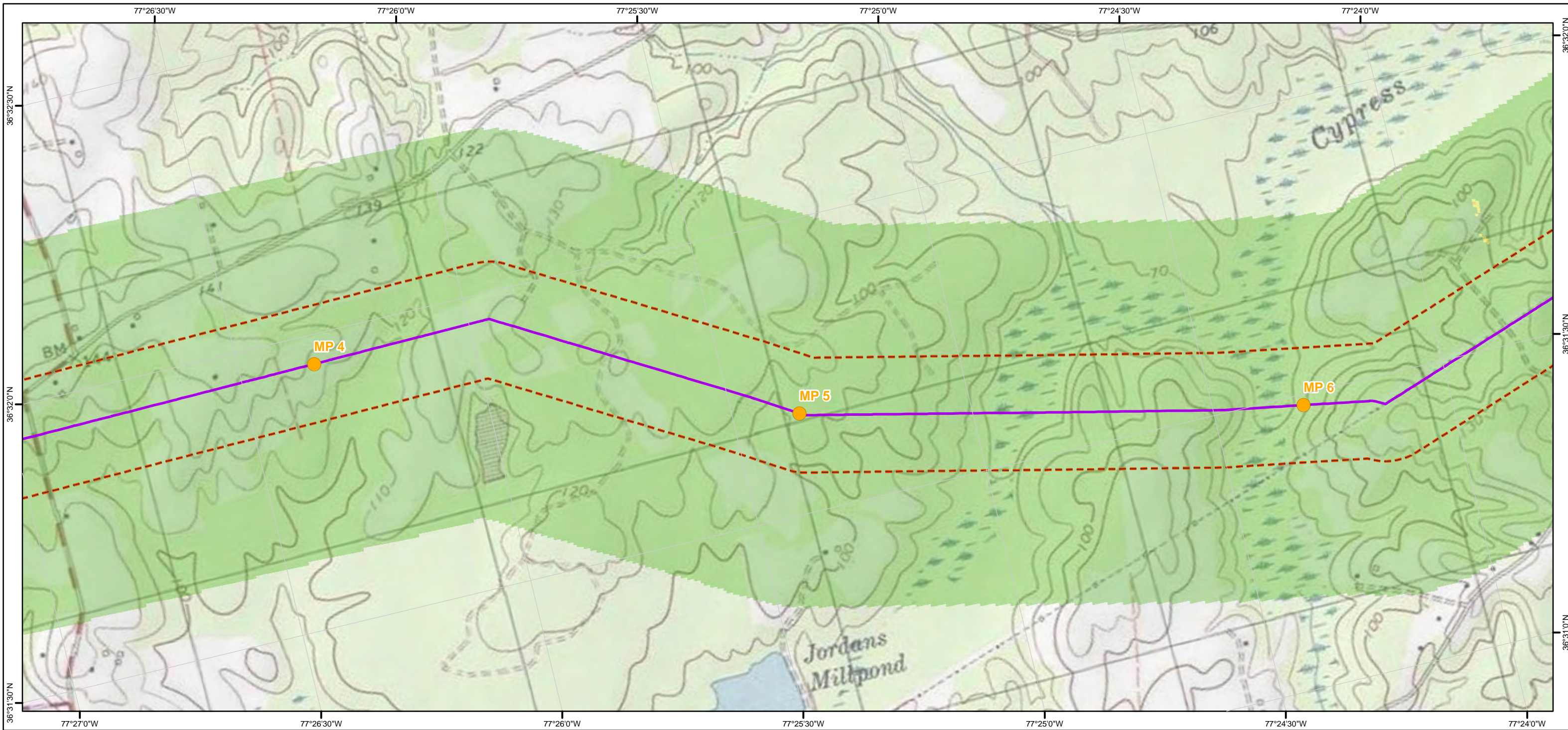


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

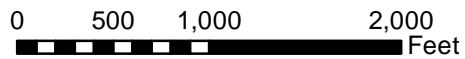
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 189 of 216

1:12,000



Document Information:

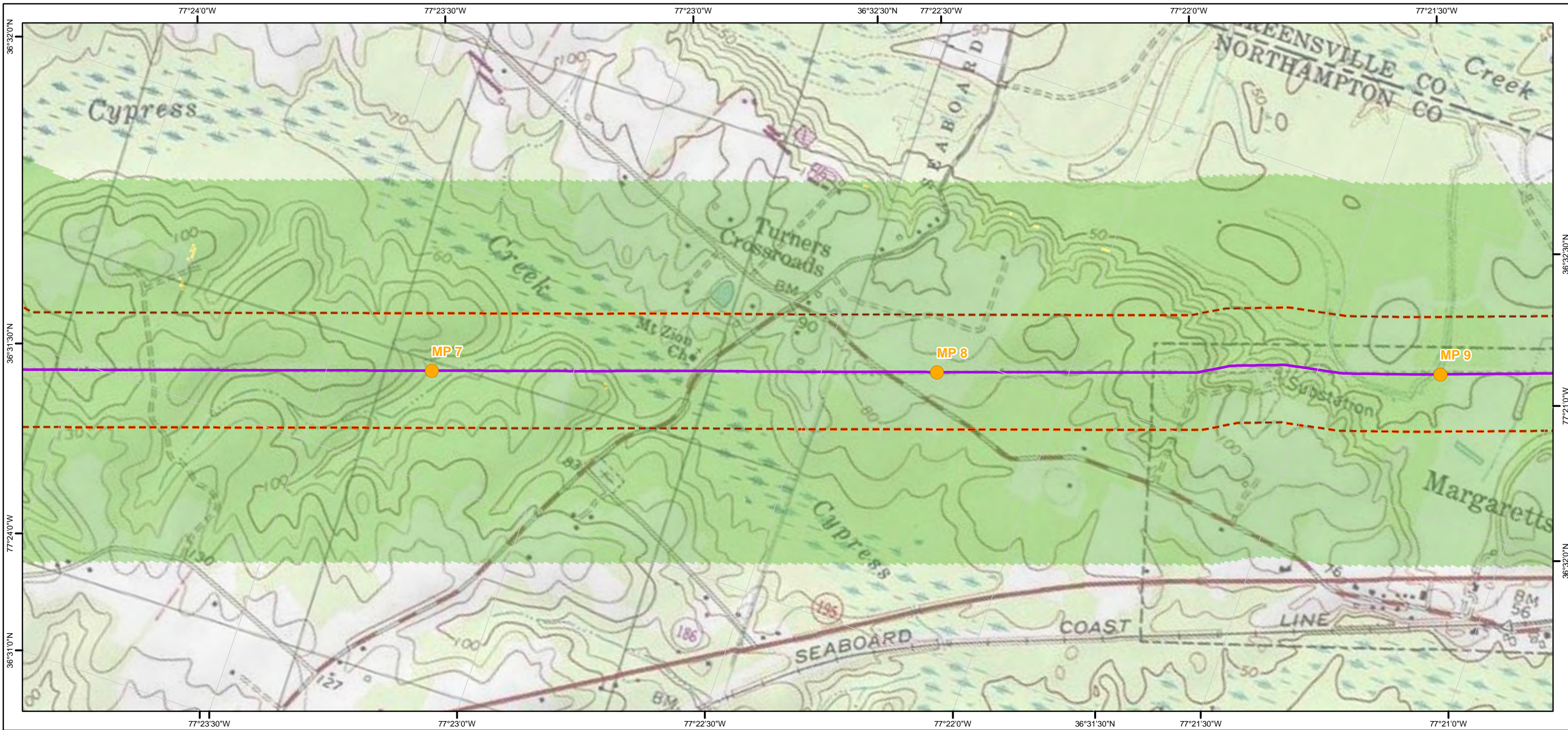
Document No: DOM_EC_SUB_MA_SER001

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)

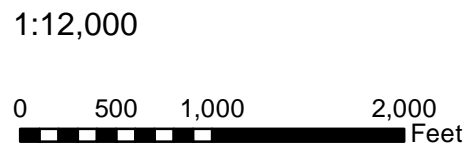




- Legend**
- Mileposts
 - ACP AP-1
 - ACP AP-2
 - ACP AP-3
 - ACP AP-4
 - ACP AP-5
 - TL-635
 - TL-636
 - 600 ft buffer either side of centerline
 - Active and Abandoned Subsurface Mines
- Slope Inclination**
- < 30% (Gentle)
 - 30.01% - 40% (Moderately Steep)
 - 40.01% - 58% (Very Steep)
 - > 58% (Extremely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

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

Sheet 190 of 216



Document Information:

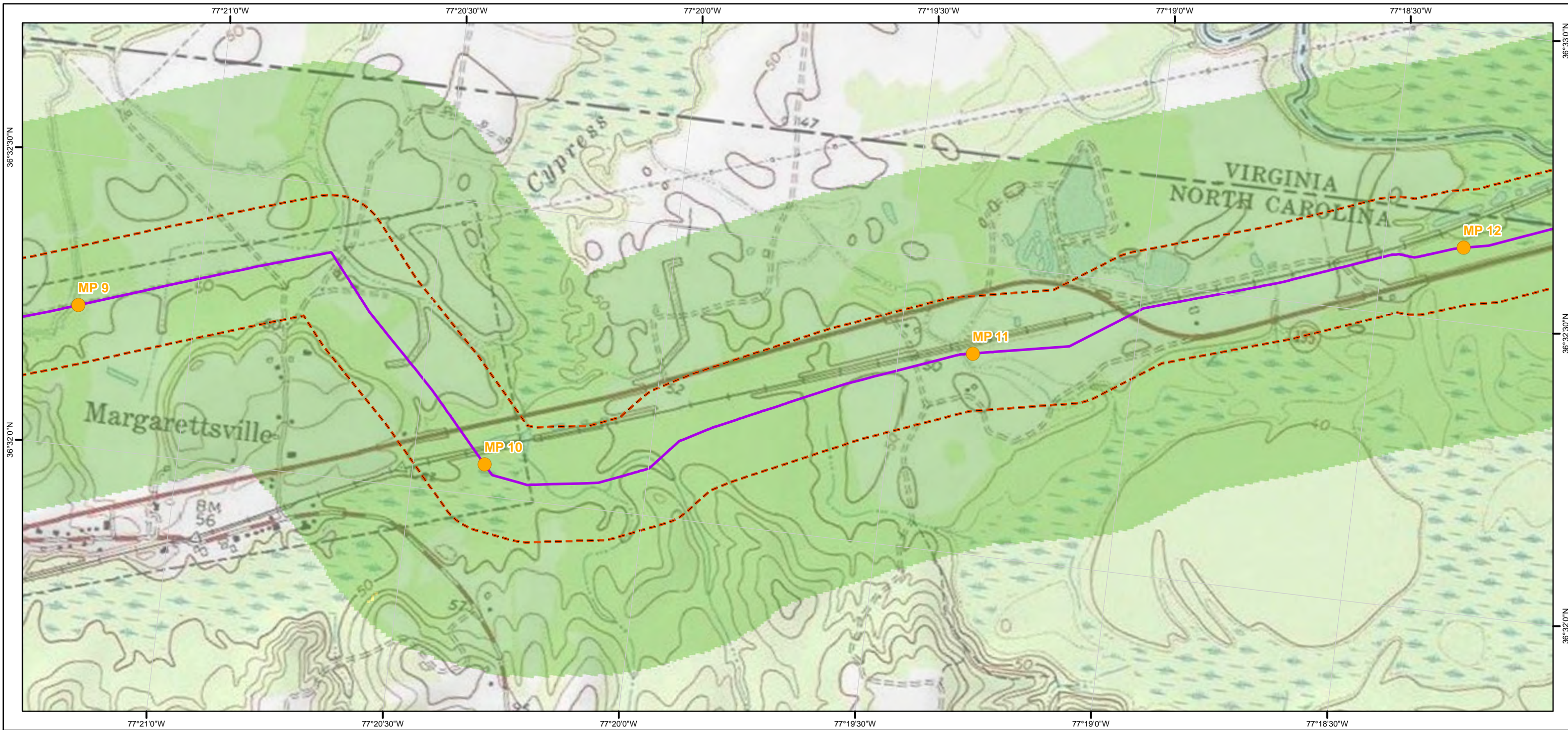
Document No: DOM_EC_SUB_MA_SER001

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
TESSERATIONS



Legend

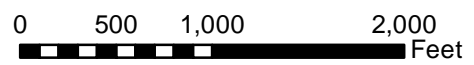
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

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 191 of 216

1:12,000



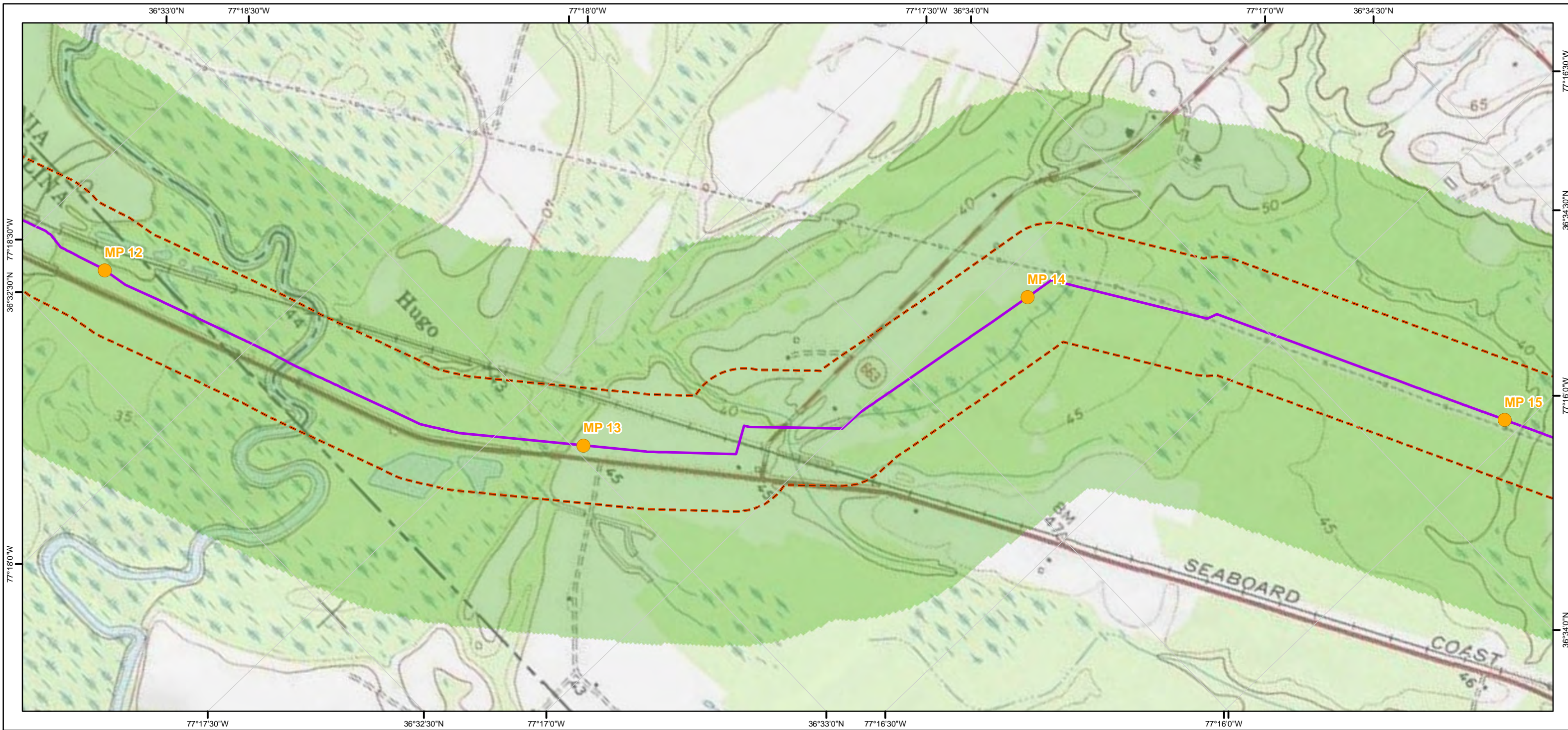
Document Information:

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

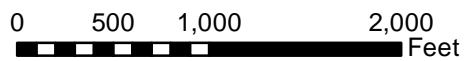
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 192 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)

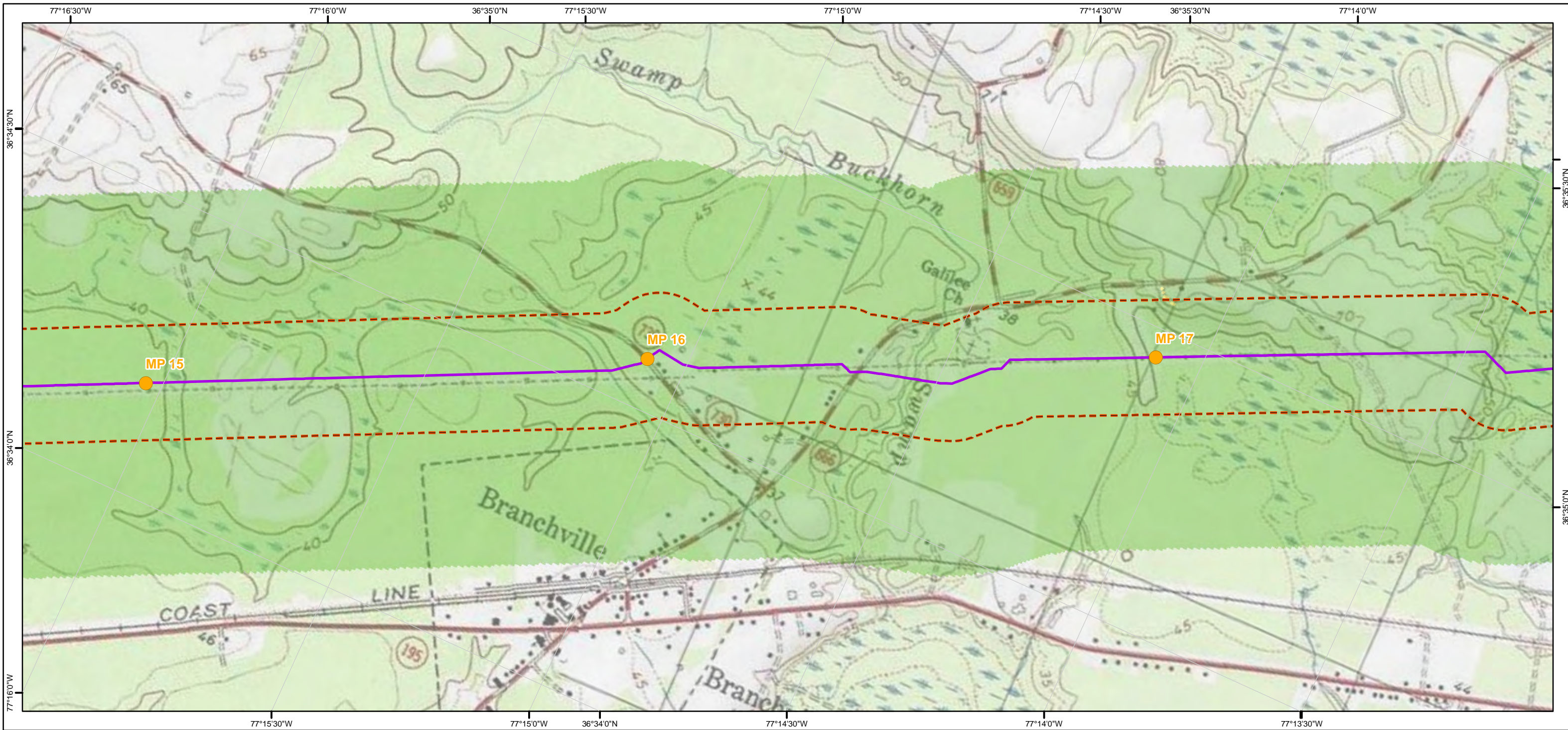


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

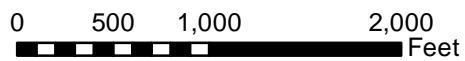
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 193 of 216

1:12,000



Document Information:

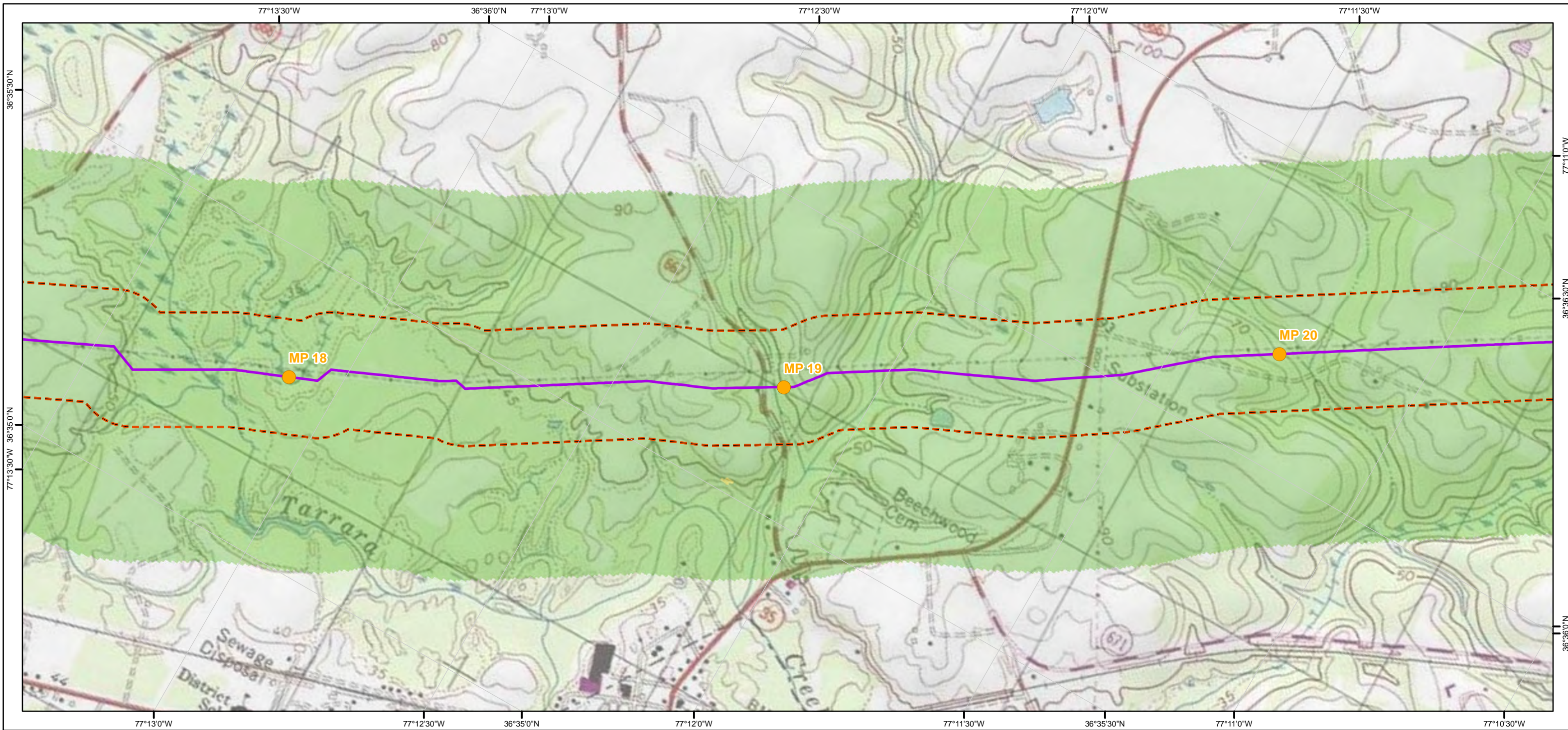
Document No: DOM_EC_SUB_MA_SER001

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

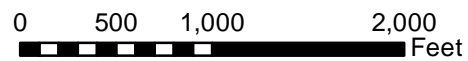
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 194 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 **ATIONS**



Legend

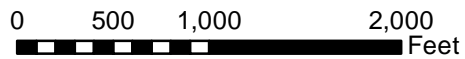
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 195 of 216

1:12,000



Document Information:

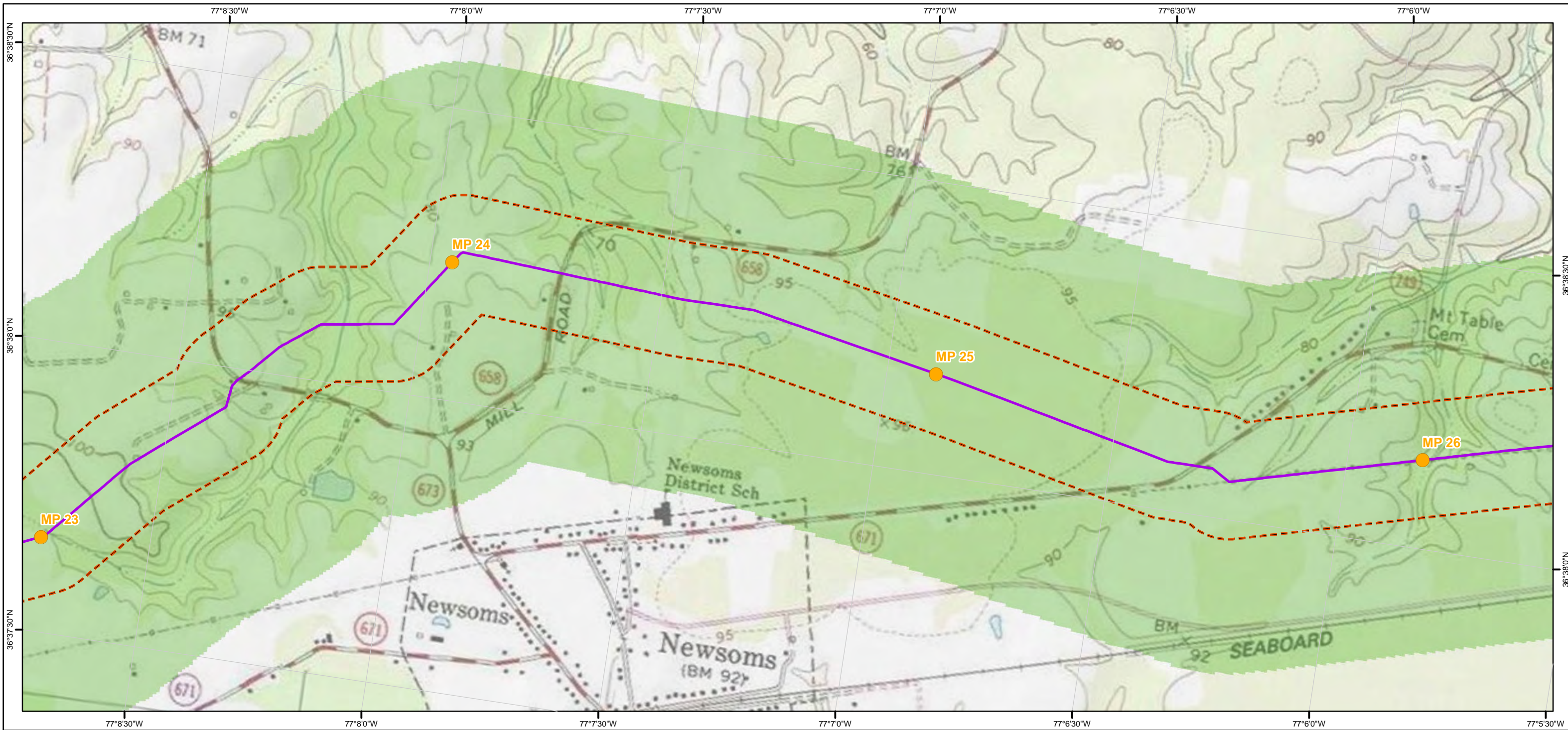
Document No: DOM_EC_SUB_MA_SER001

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)



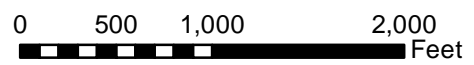


Legend

- 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 196 of 216

1:12,000



Document Information:

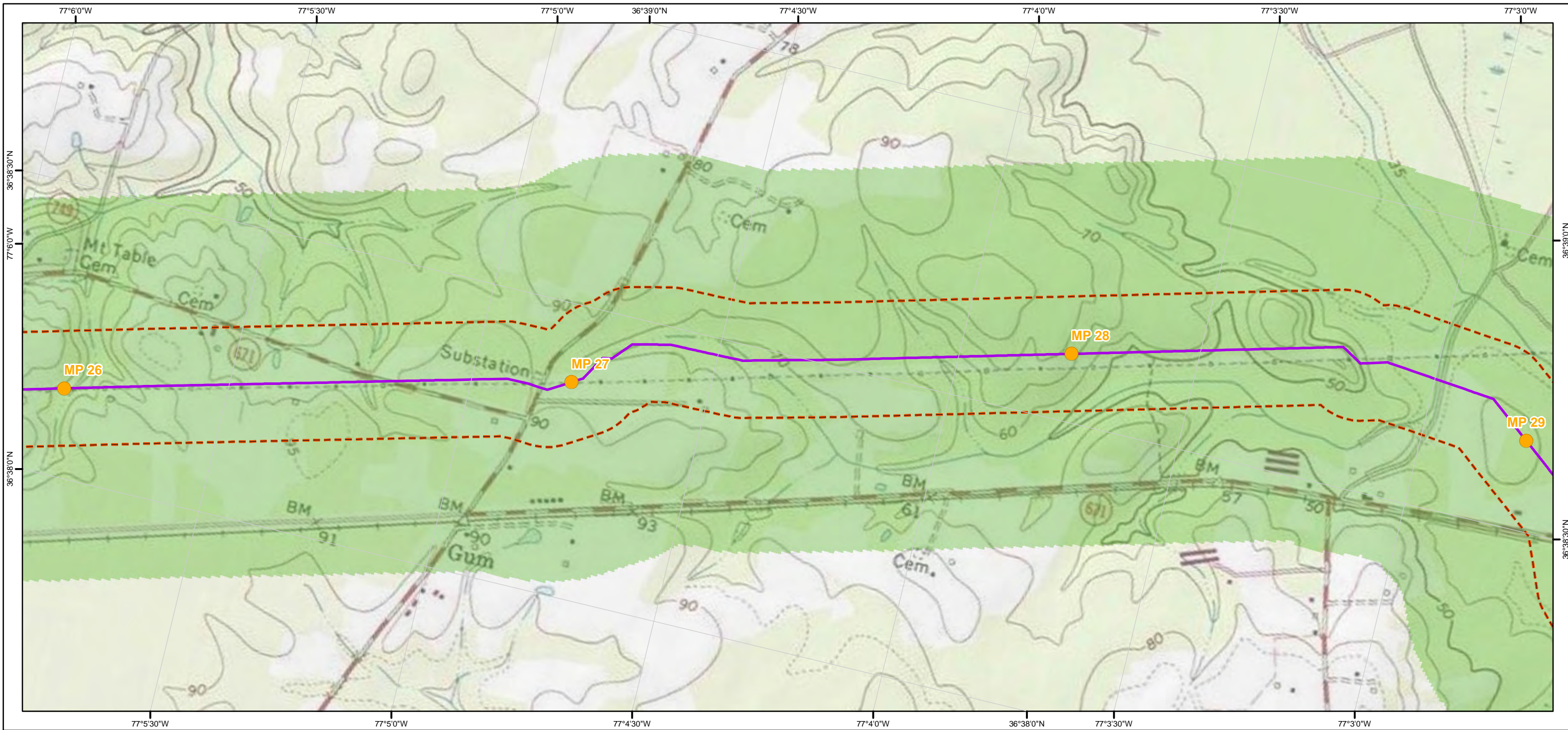
Document No: DOM_EC_SUB_MA_SER001

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 CONSULTATIONS



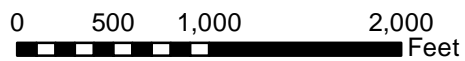
Legend

- 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 197 of 216

1:12,000



Document Information:

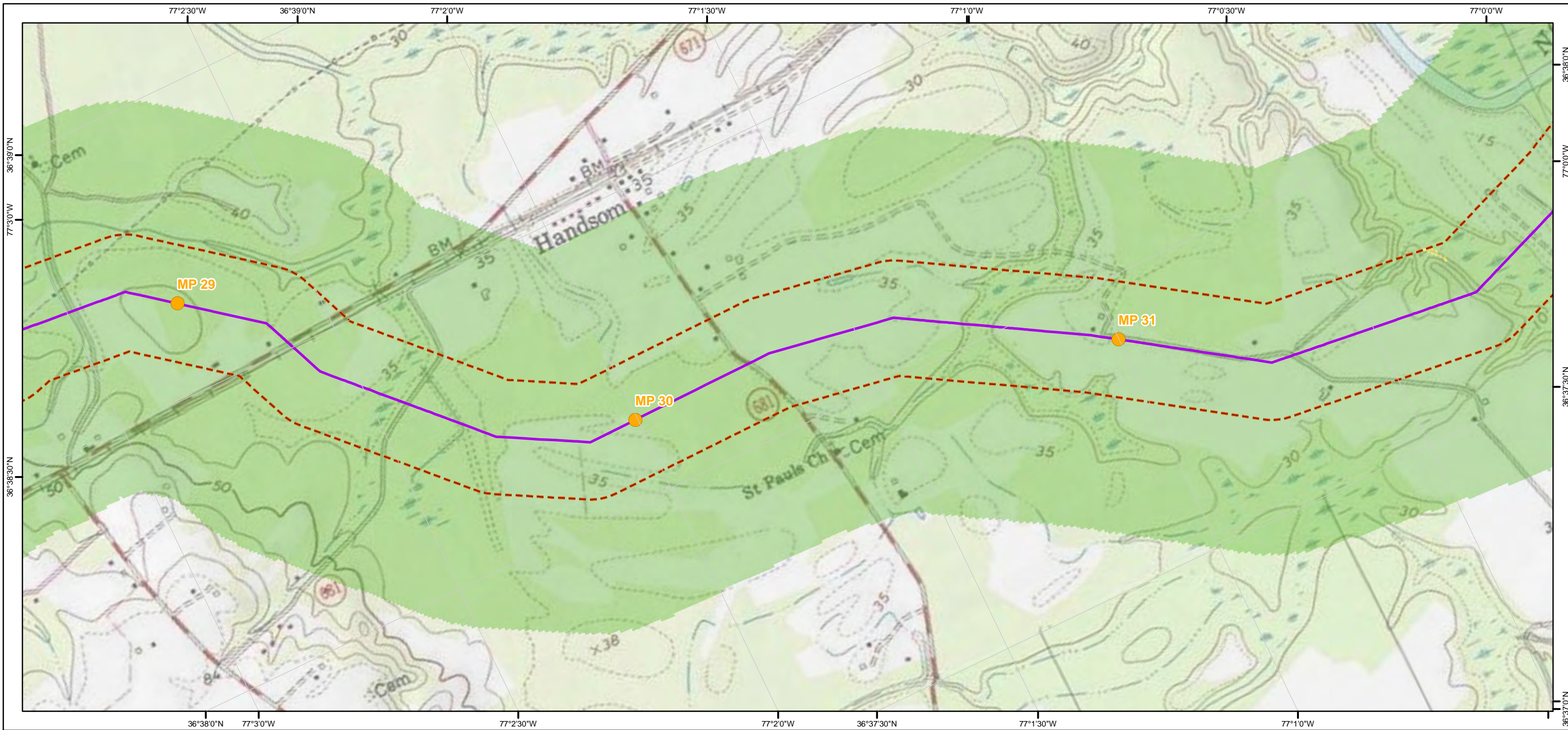
Document No: DOM_EC_SUB_MA_SER001

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)





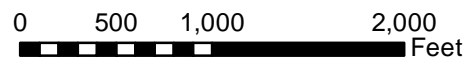
Legend

- 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 198 of 216

1:12,000



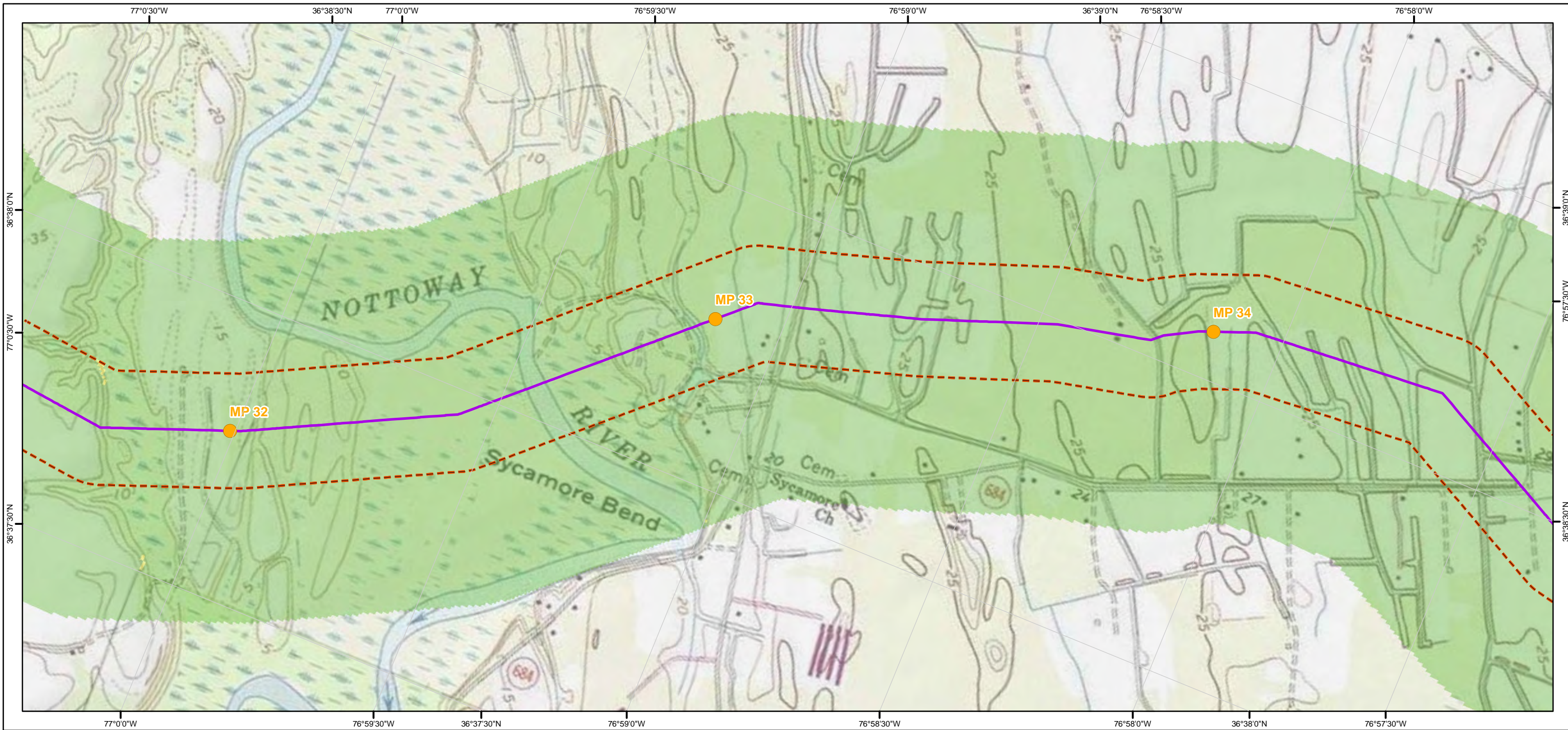
Document Information:

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:

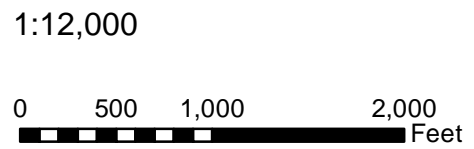
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation 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 199 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



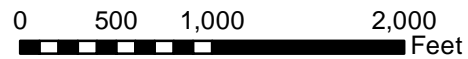
Legend

- 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 200 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

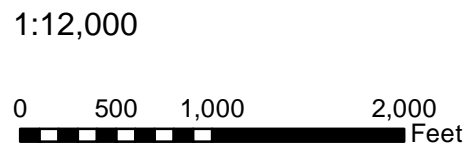
consultants

TESSE **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 201 of 216



Document Information:

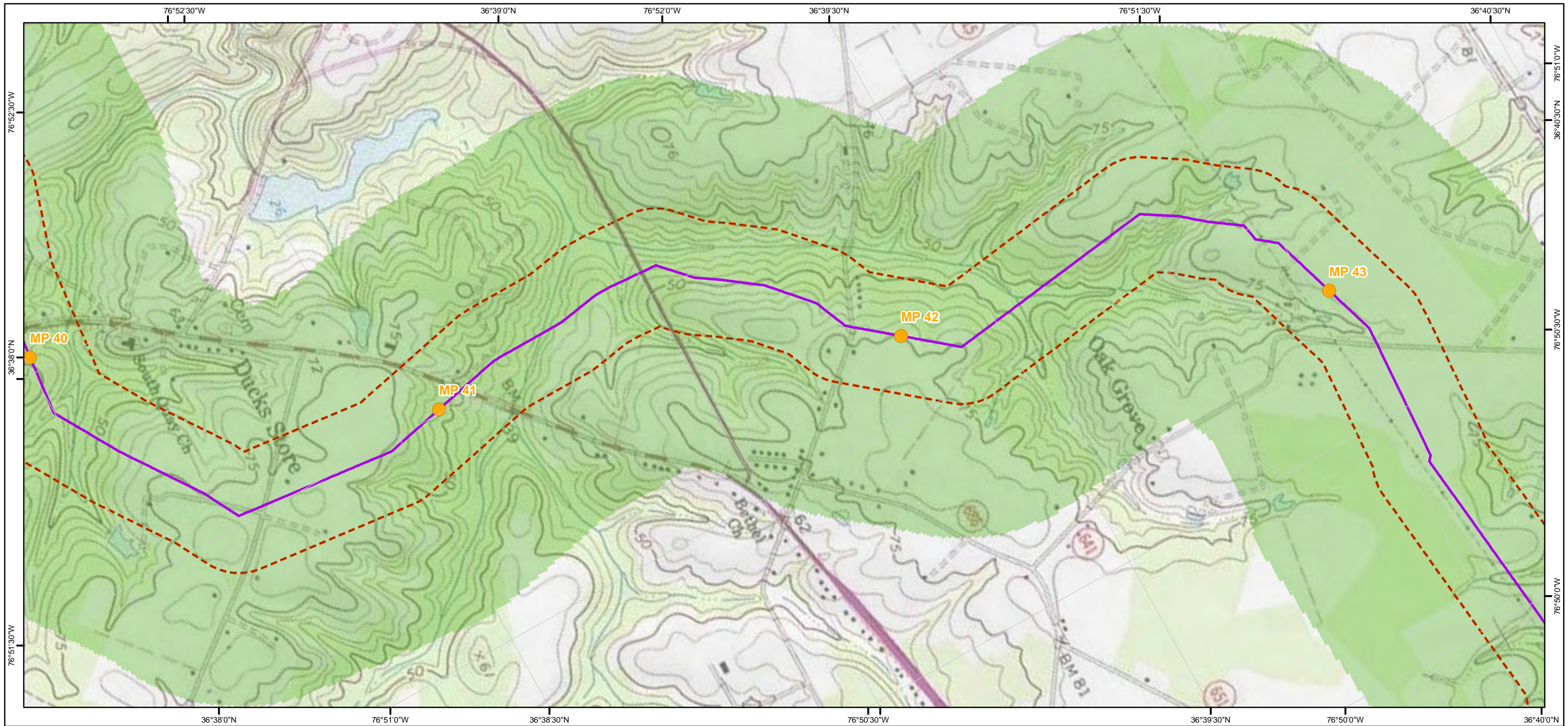
Document No: DOM_EC_SUB_MA_SER001

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



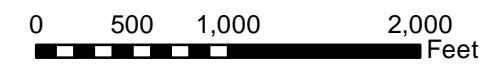
Legend

- 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 202 of 216

1:12,000



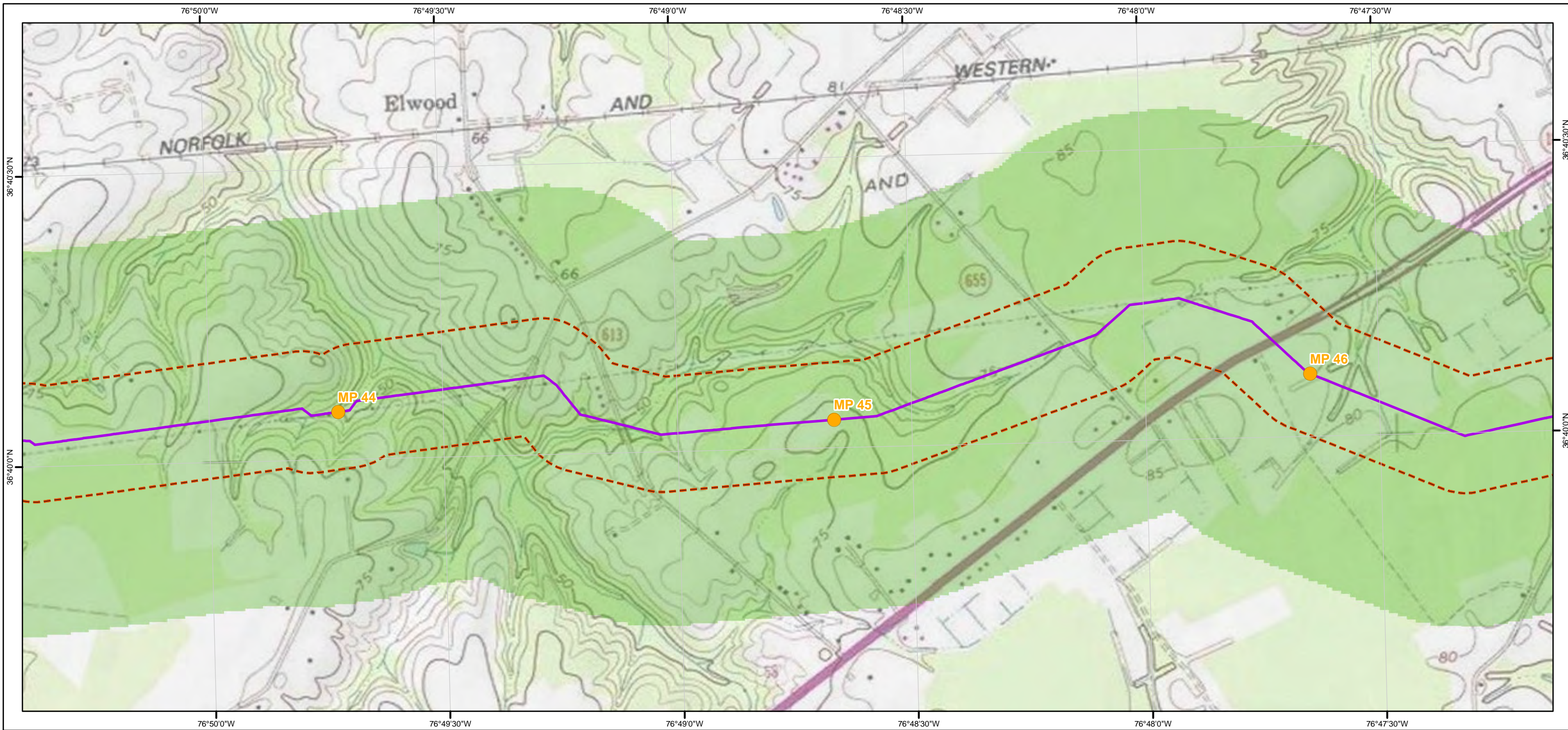
Document Information:

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

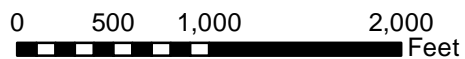
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 203 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:

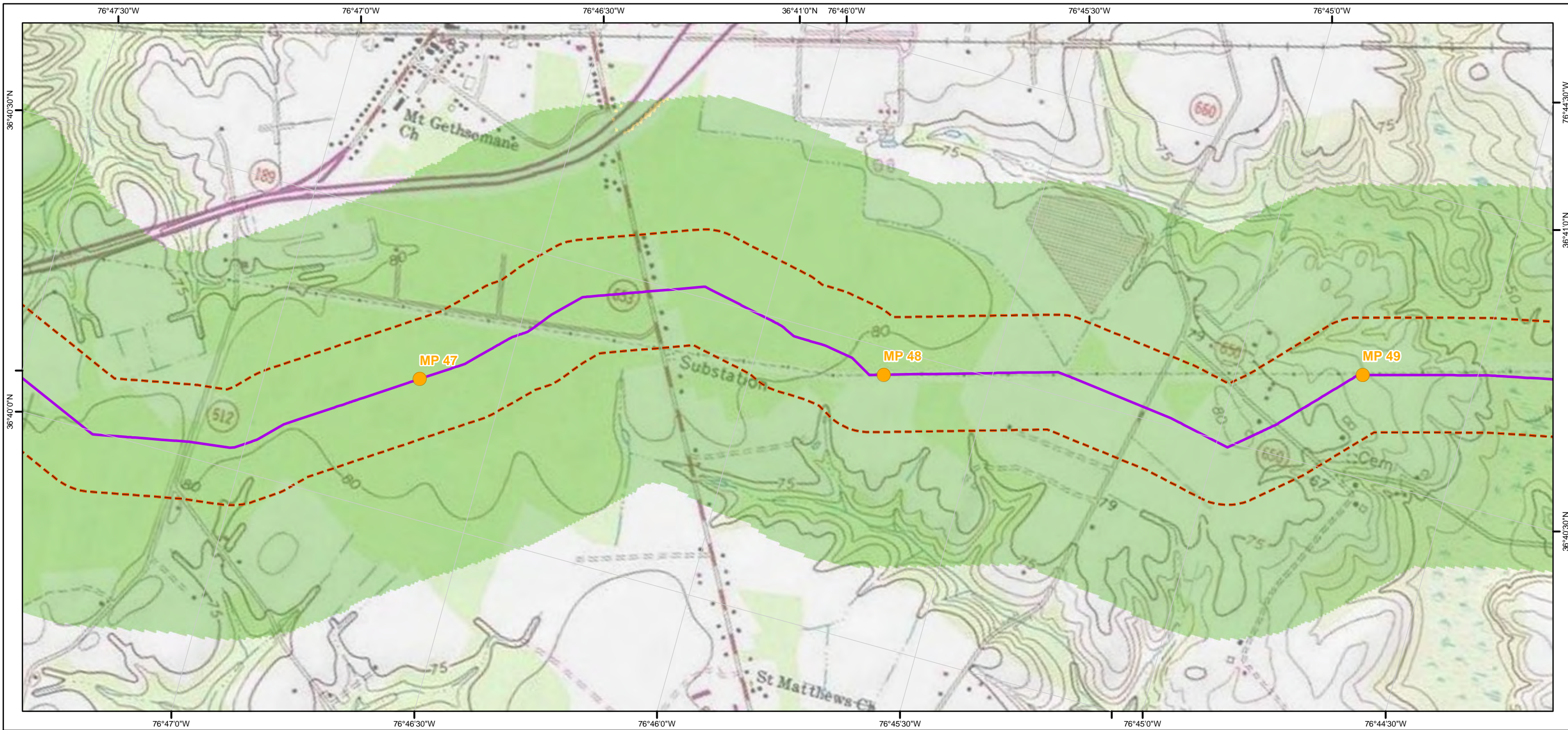
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation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



Dominion[®]
Geosyntec

consultants

TESSE
▲▲▲
ATIONS



Legend

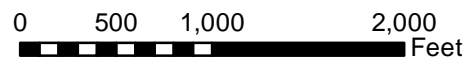
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 204 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)

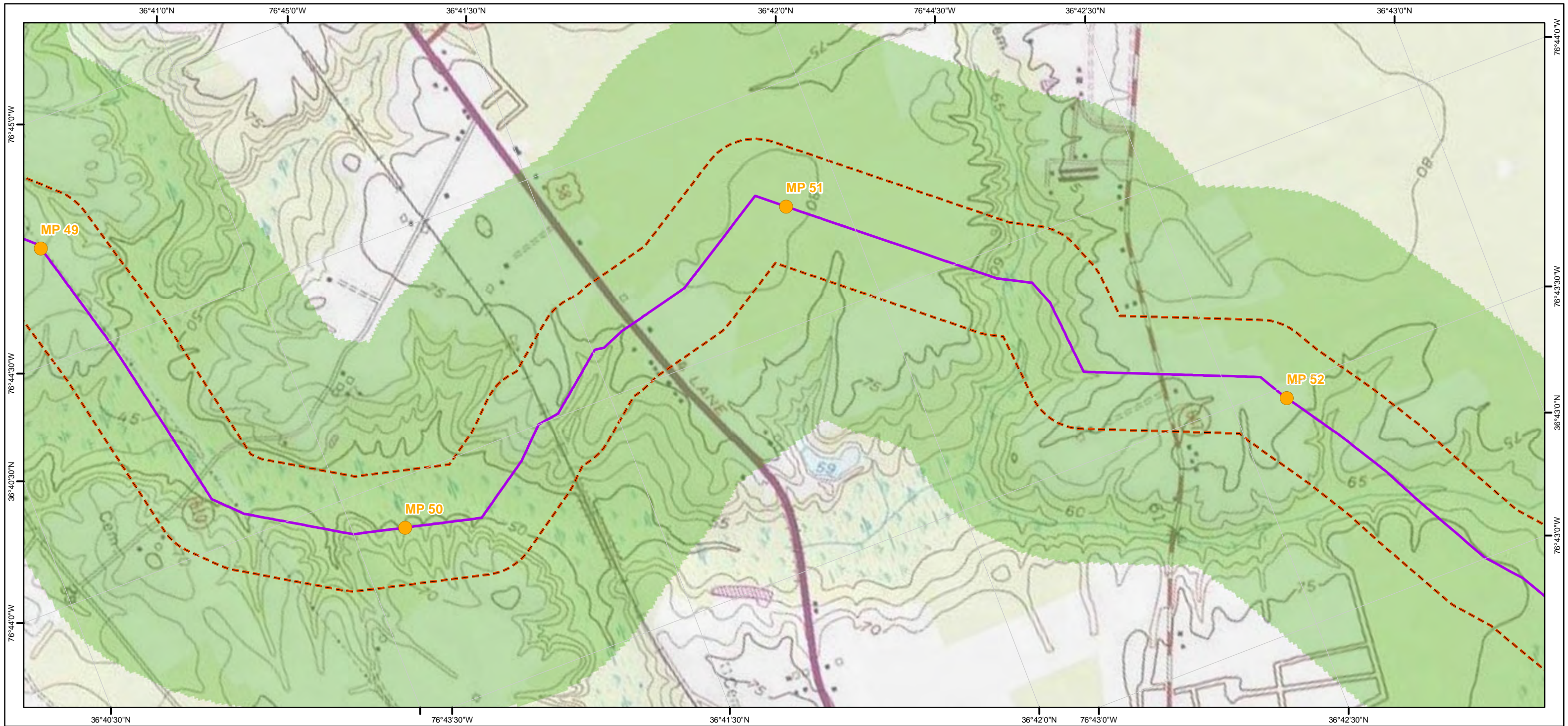


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

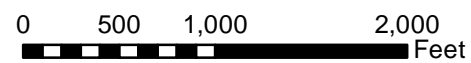
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 205 of 216

1:12,000



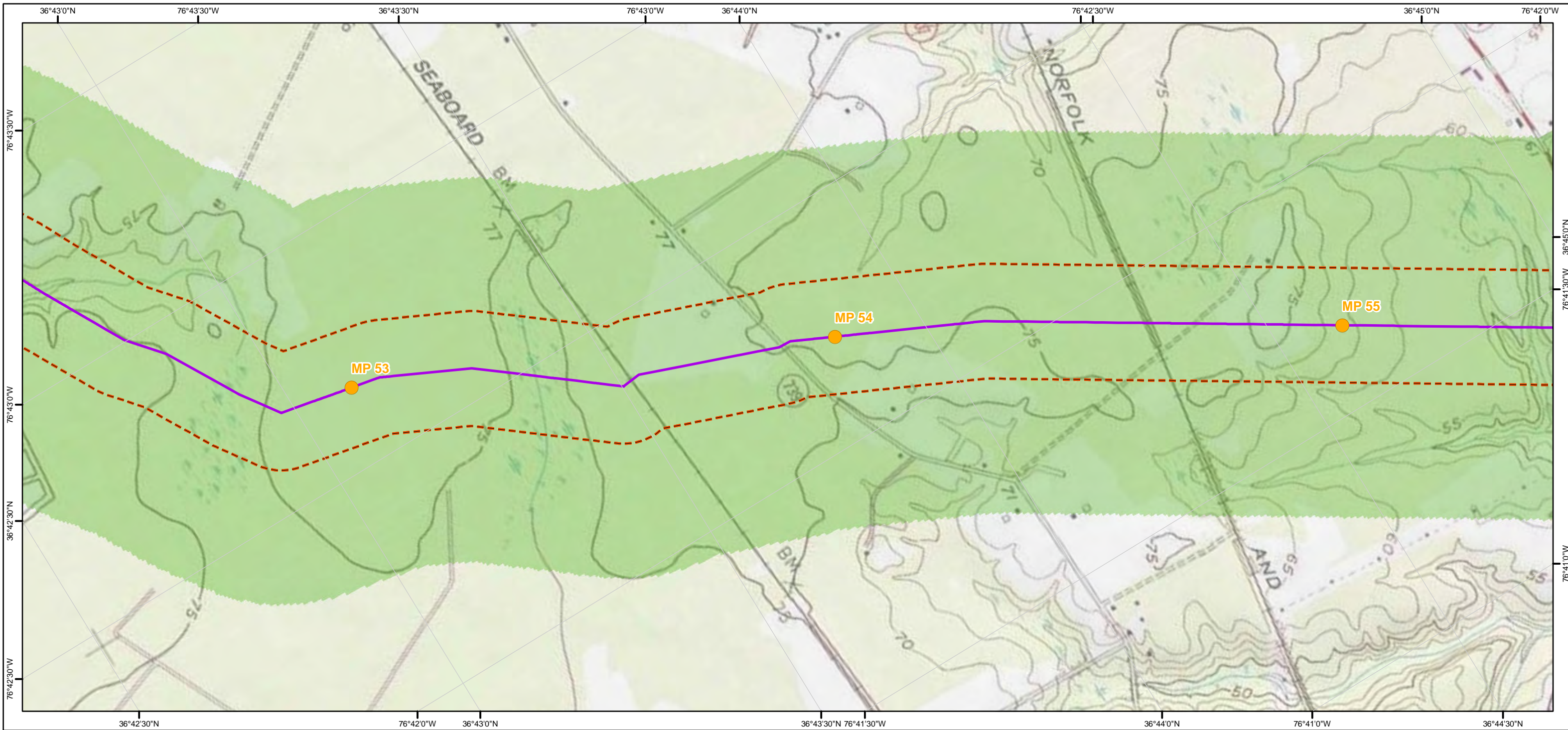
Document Information:

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

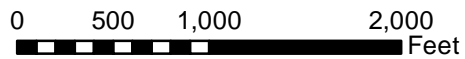
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 206 of 216

1:12,000



Document Information:

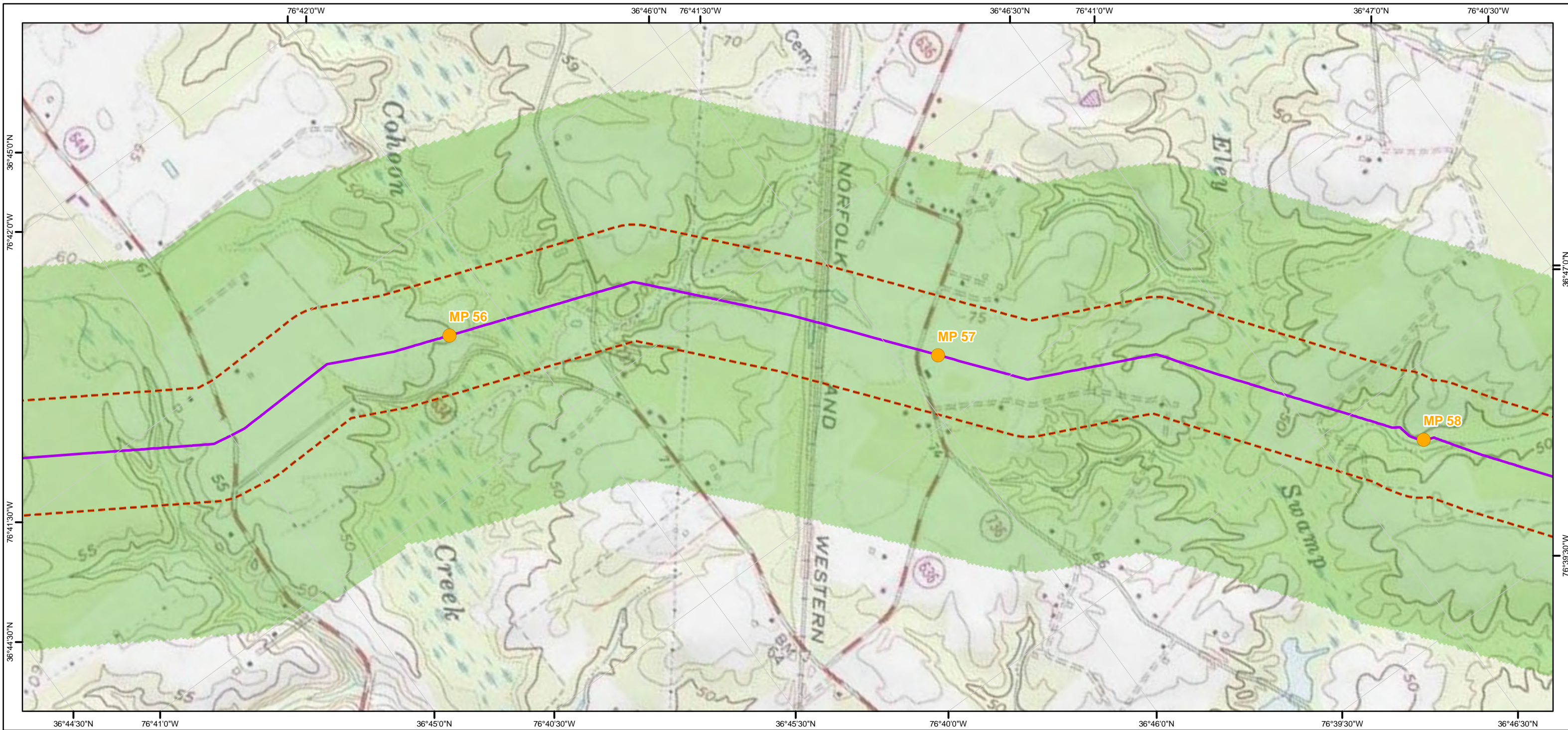
Document No: DOM_EC_SUB_MA_SER001

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

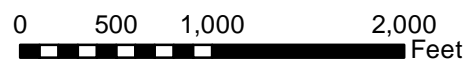
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 207 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)

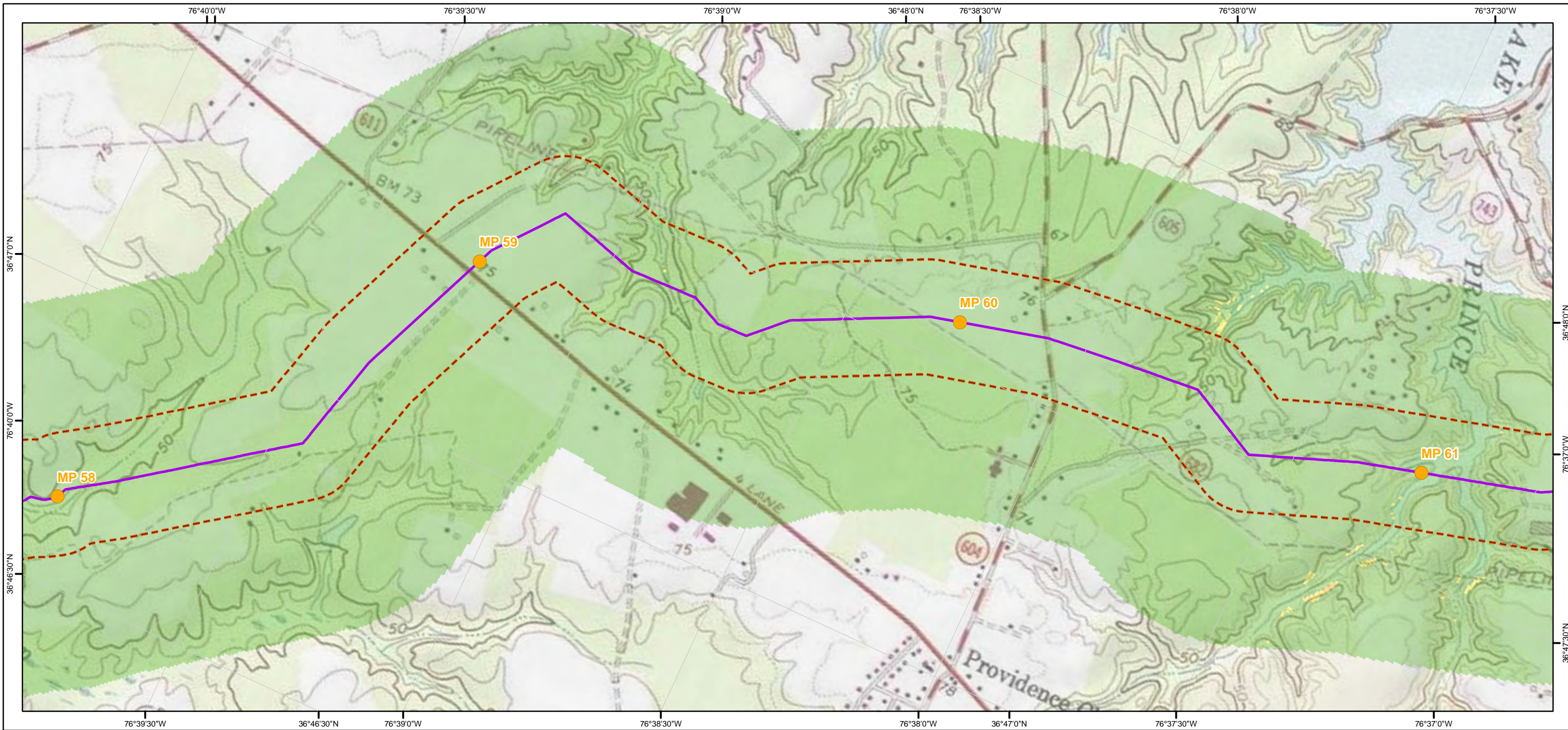


Dominion

Geosyntec

consultants

TESSE **ATIONS**



Legend

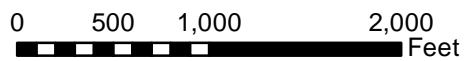
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 208 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)

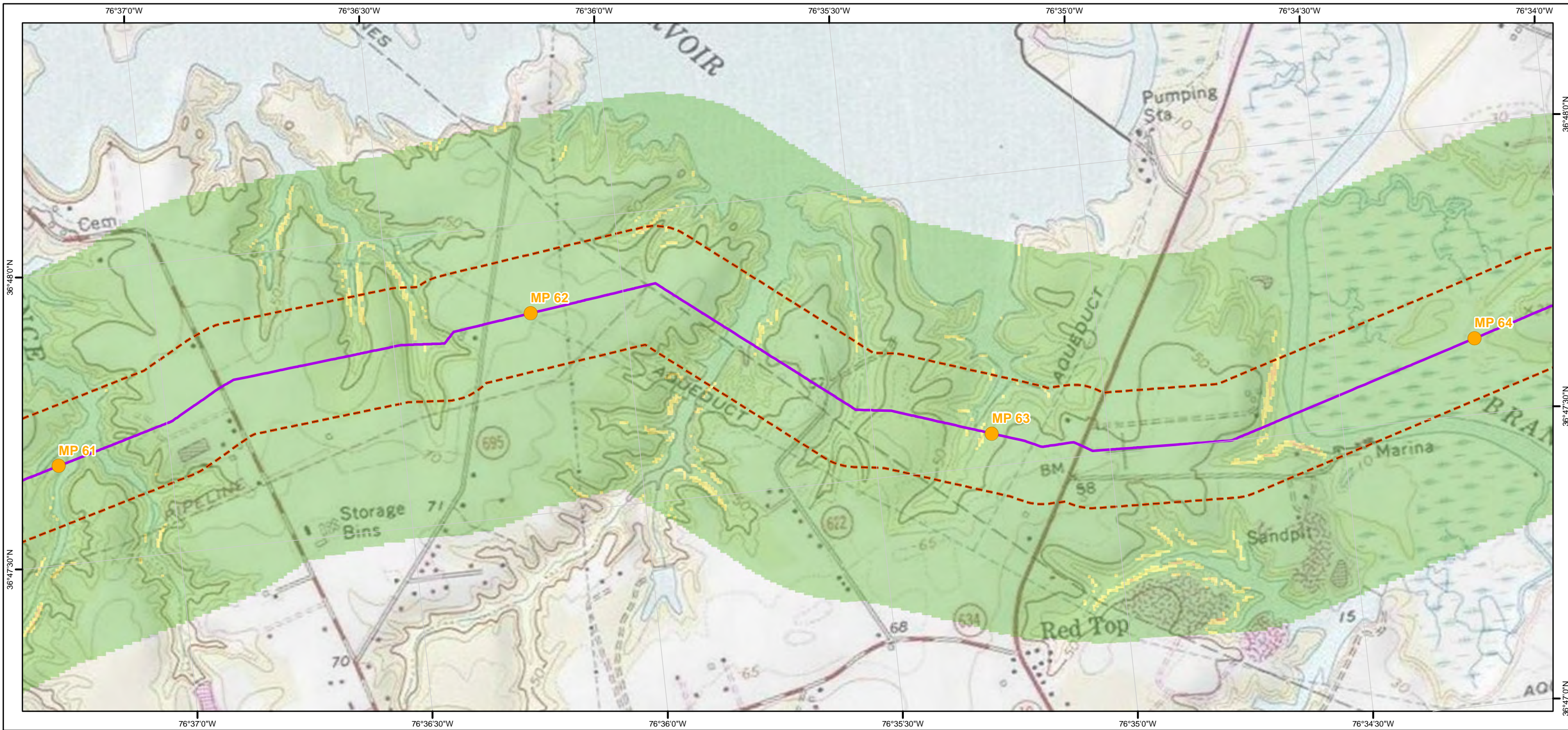


Dominion

Geosyntec

consultants

TESSE **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

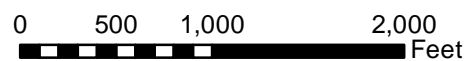
Slope Inclination

- < 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 209 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:

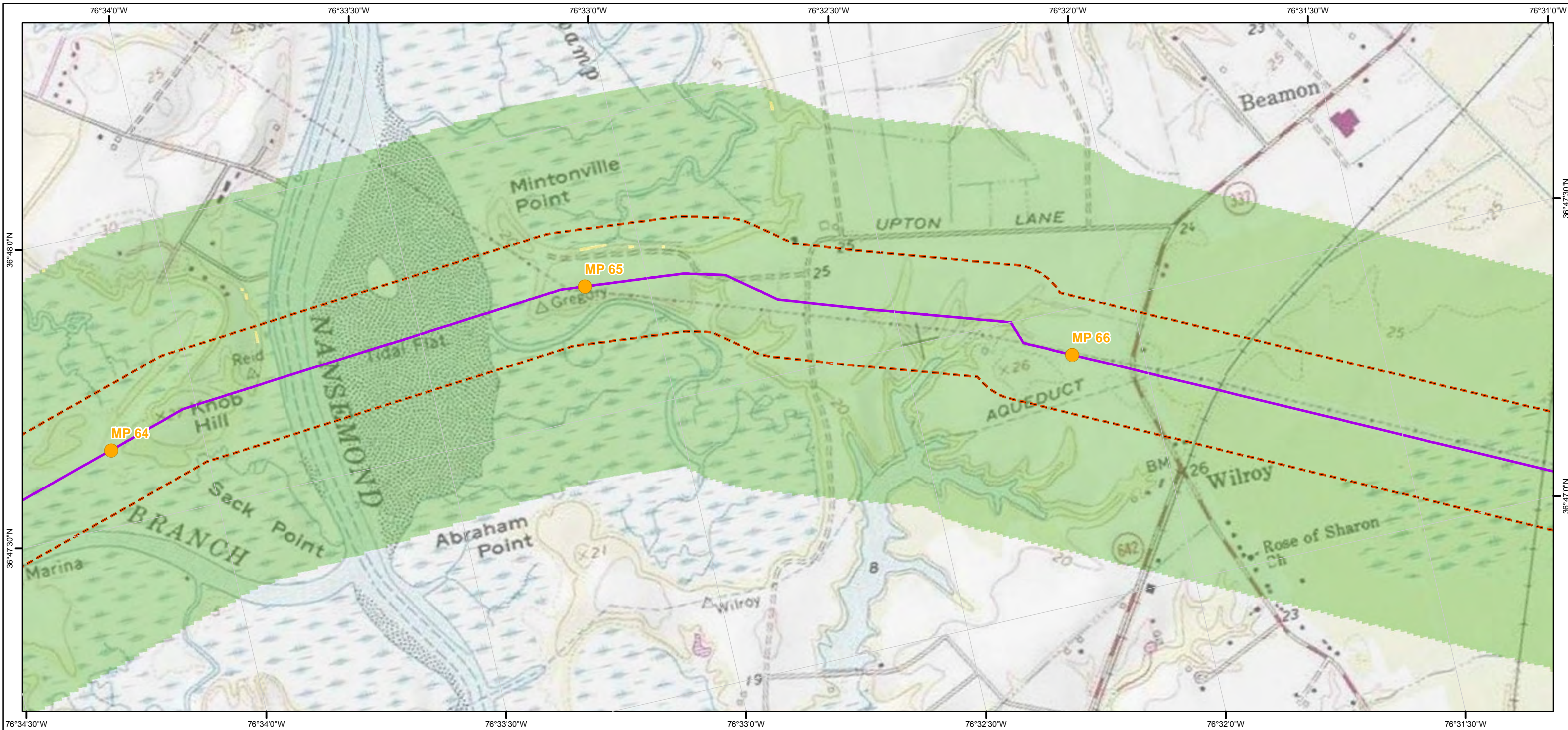
- 1) The current alignment centerline and mileposts provided by Dominion
- 2) Data Projection: UTM 17N feet, NAD 83
- 3) Map Reference Graticule in Geodetic Coordinates NAD 83
- 4) Subsurface mine data: WVBS (2015) and PADEP (2015)
- 5) Slope inclination data: 1/3 arc-second (10m) National Elevation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



Dominion[®]
Geosyntec

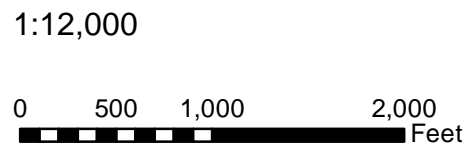
consultants

TESSE
▲▲▲
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 210 of 216



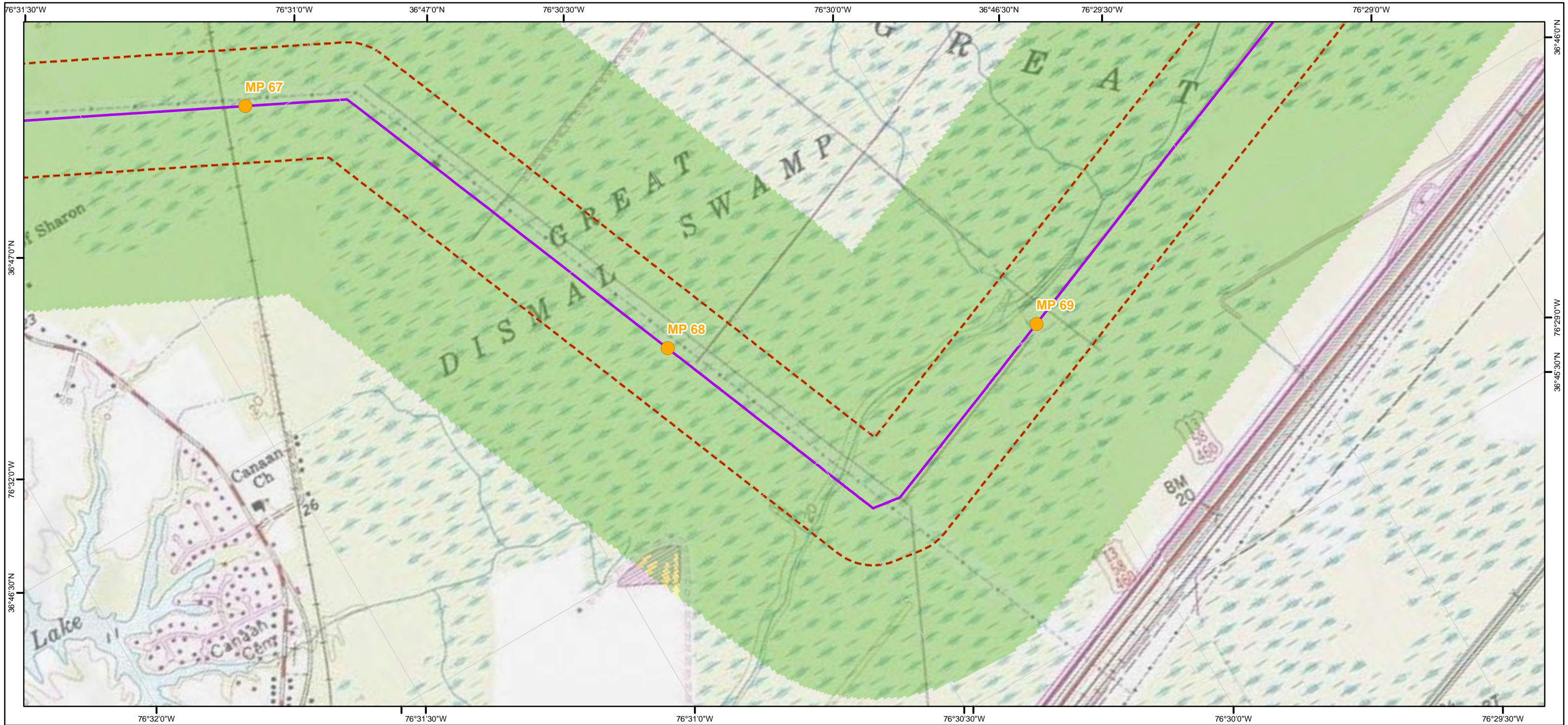
Document Information:

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 211 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

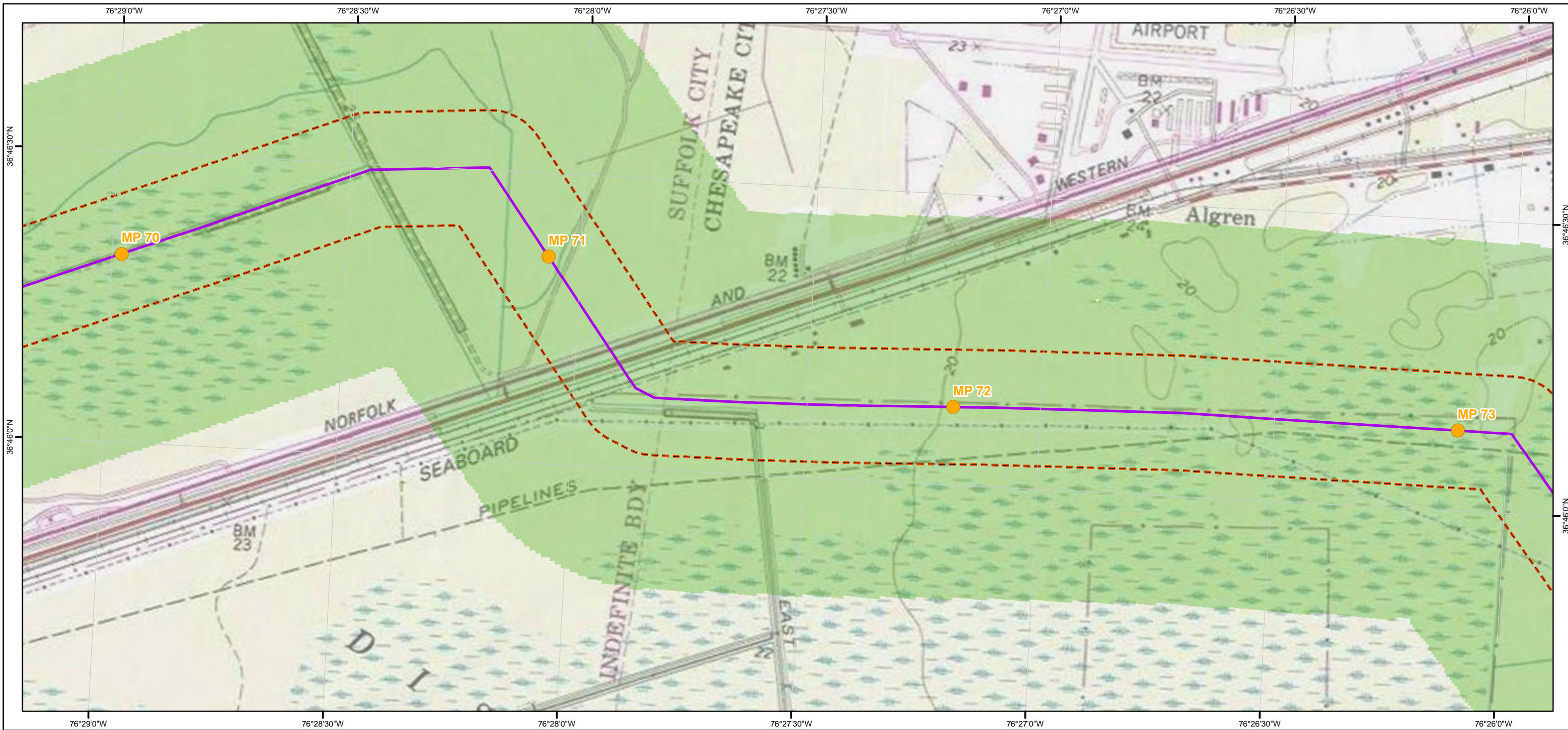
- Notes:**
- 1) The current alignment centerline and mileposts provided by Dominion
 - 2) Data Projection: UTM 17N feet, NAD 83
 - 3) Map Reference Graticule in Geodetic Coordinates NAD 83
 - 4) Subsurface mine data: WVBEs (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National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

Dominion[®]

Geosyntec

consultants

TESSEMA



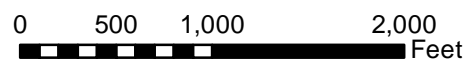
Legend

- 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 212 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

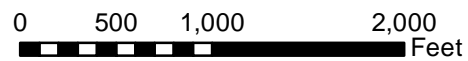
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 213 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)

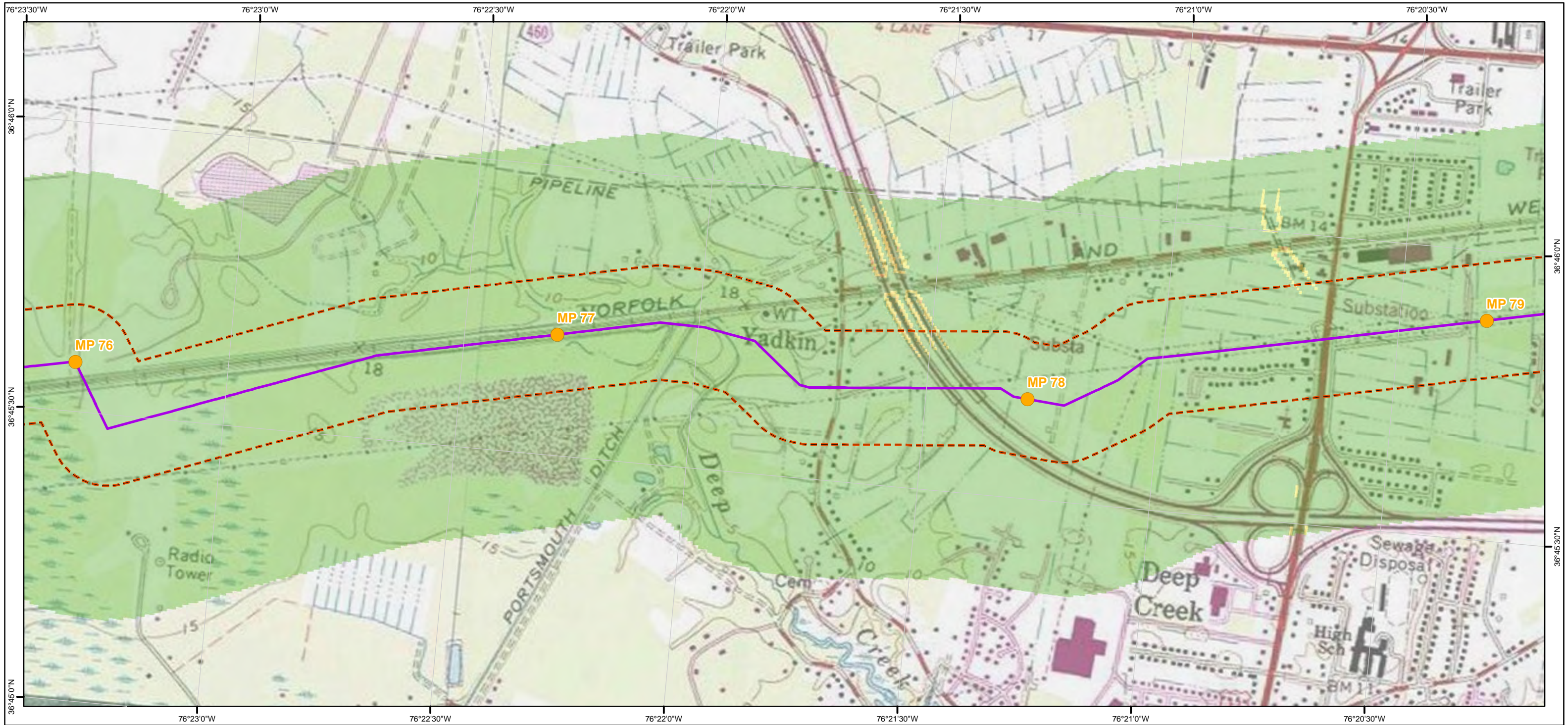


Dominion

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 214 of 216

1:12,000

0 500 1,000 2,000

Feet

N

Document Information:

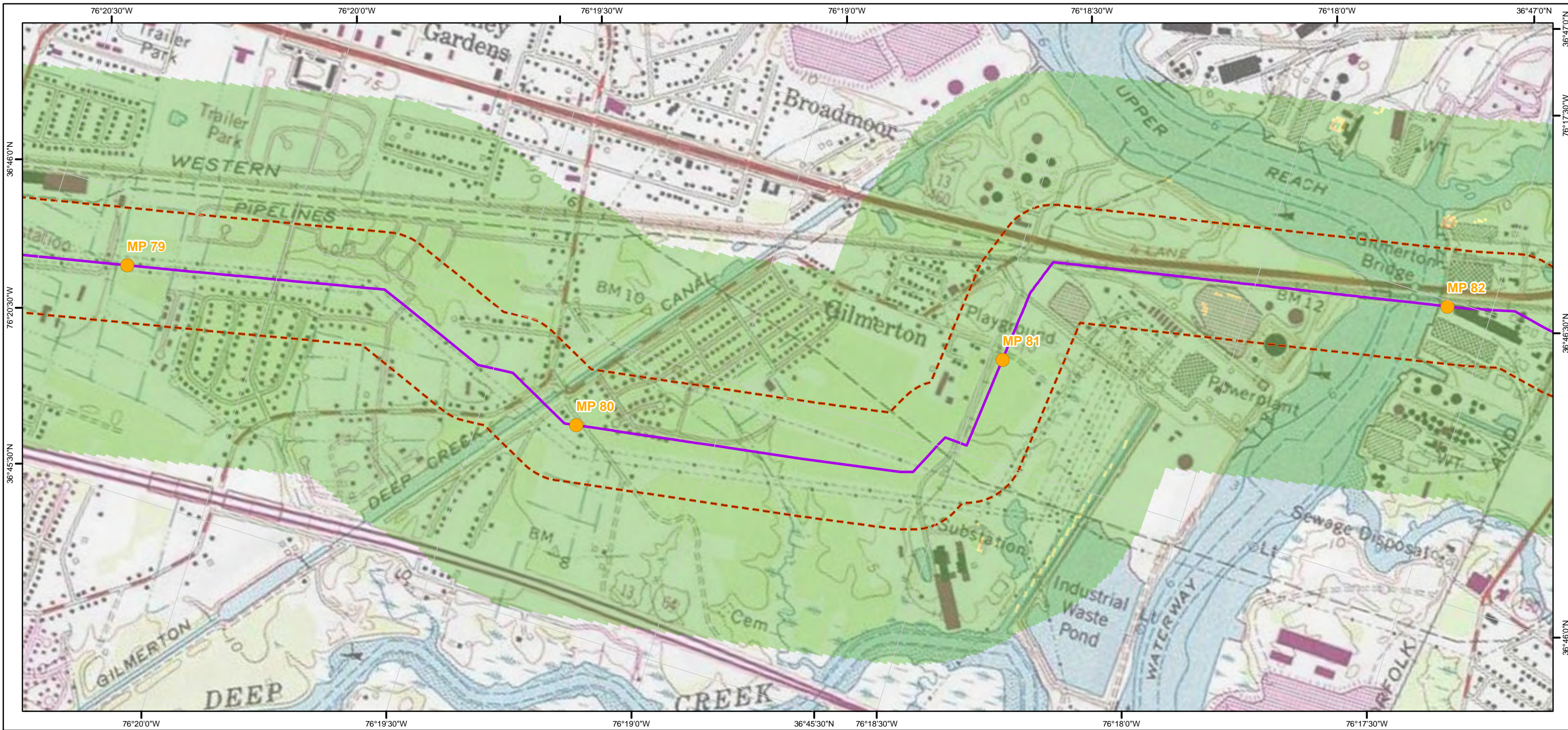
Document No: DOM_EC_SUB_MA_SER001

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: WVBS (2015) and PADEP (2015)
 - 5) Slope inclination data: 1/3 arc-second (10m) National Elevation Dataset (NED)

Dominion
Geosyntec
consultants

TESSEMA



Legend

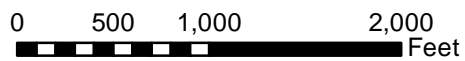
- Mileposts
- ACP AP-1
- ACP AP-2
- ACP AP-3
- ACP AP-4
- ACP AP-5
- TL-635
- TL-636
- 600 ft buffer either side of centerline
- Active and Abandoned Subsurface Mines

- 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 215 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

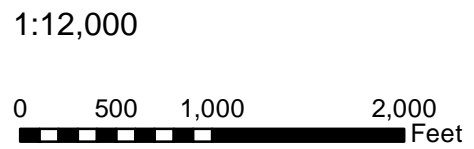
consultants

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 216 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