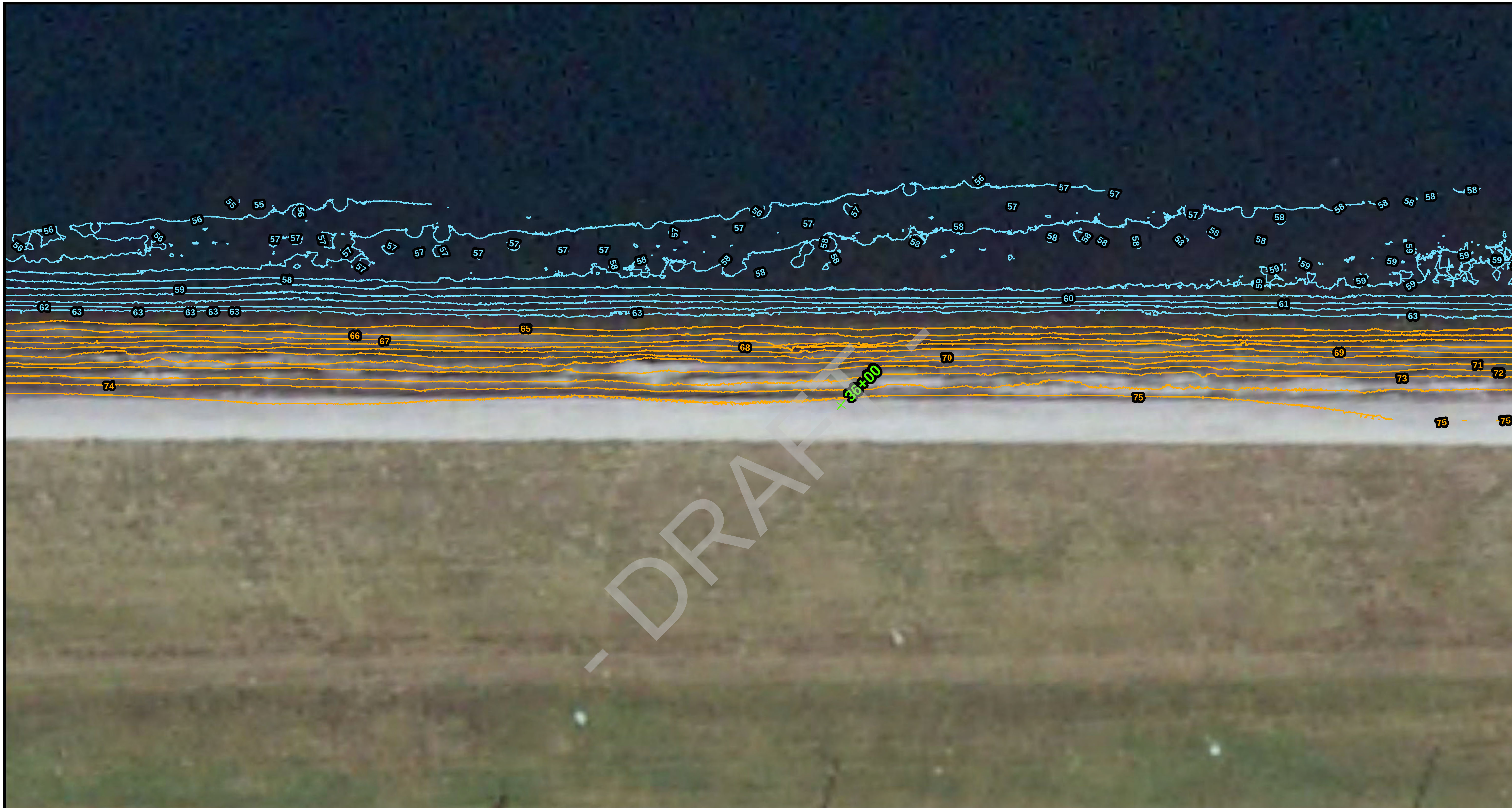
APPENDIX F

Topographic Map Detailed Segments



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

LOCATION MAP
NOT TO SCALE

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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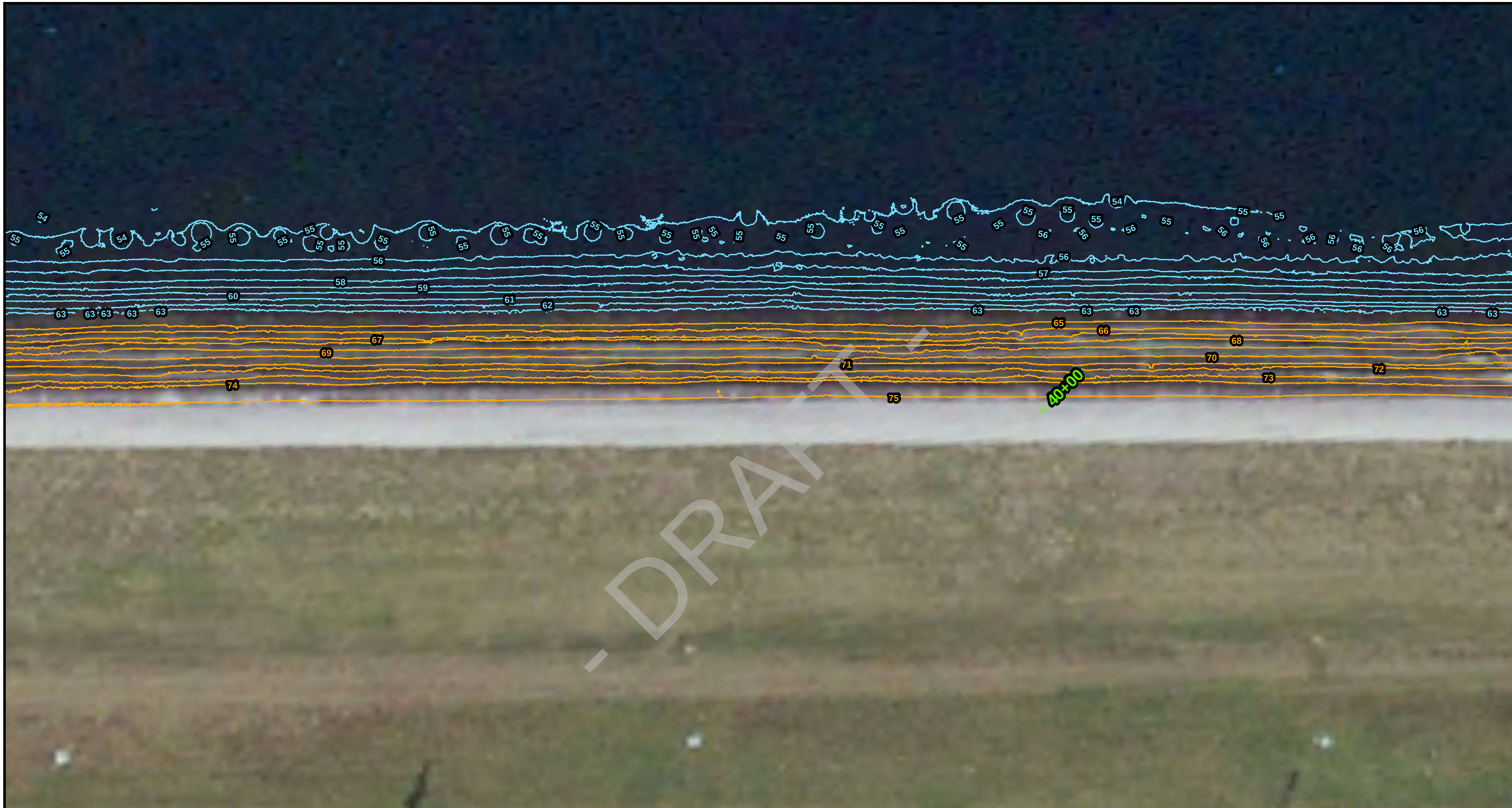
CA-5392
(863) 667-2345

Appendix F
Figure 1
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 2
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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2- Data Sources -
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Date: 04/29/20145
Revised: AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 3
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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2- Data Sources -
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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 4
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 5
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
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(NAVD 88 feet)

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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 6
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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2- Data Sources -
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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 7
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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GFY & ACA
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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 8
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 9
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 10
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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2- Data Sources -
GFY & ACA
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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 11
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 12
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 13
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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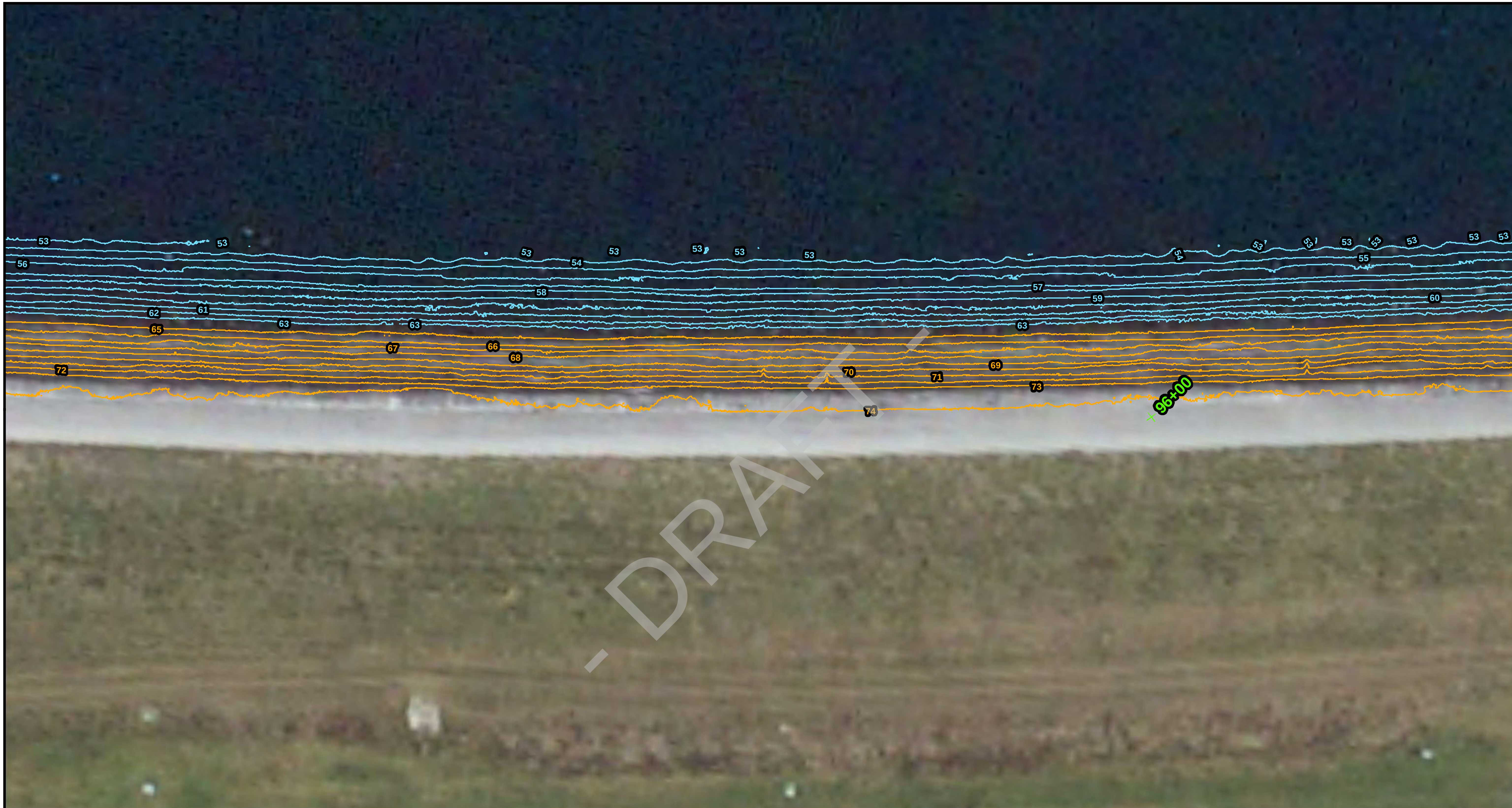
Appendix F
Figure 14
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

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Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 15
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 16
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 17
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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2- Data Sources -
GFY & ACA
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Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 18
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
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Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 19
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

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1" = 30 Feet

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Appendix F
Figure 20
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 21
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 22
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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Date: 04/29/20145
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Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 23
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

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Date: 04/29/20145
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Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 24
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

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Date: 04/29/20145
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Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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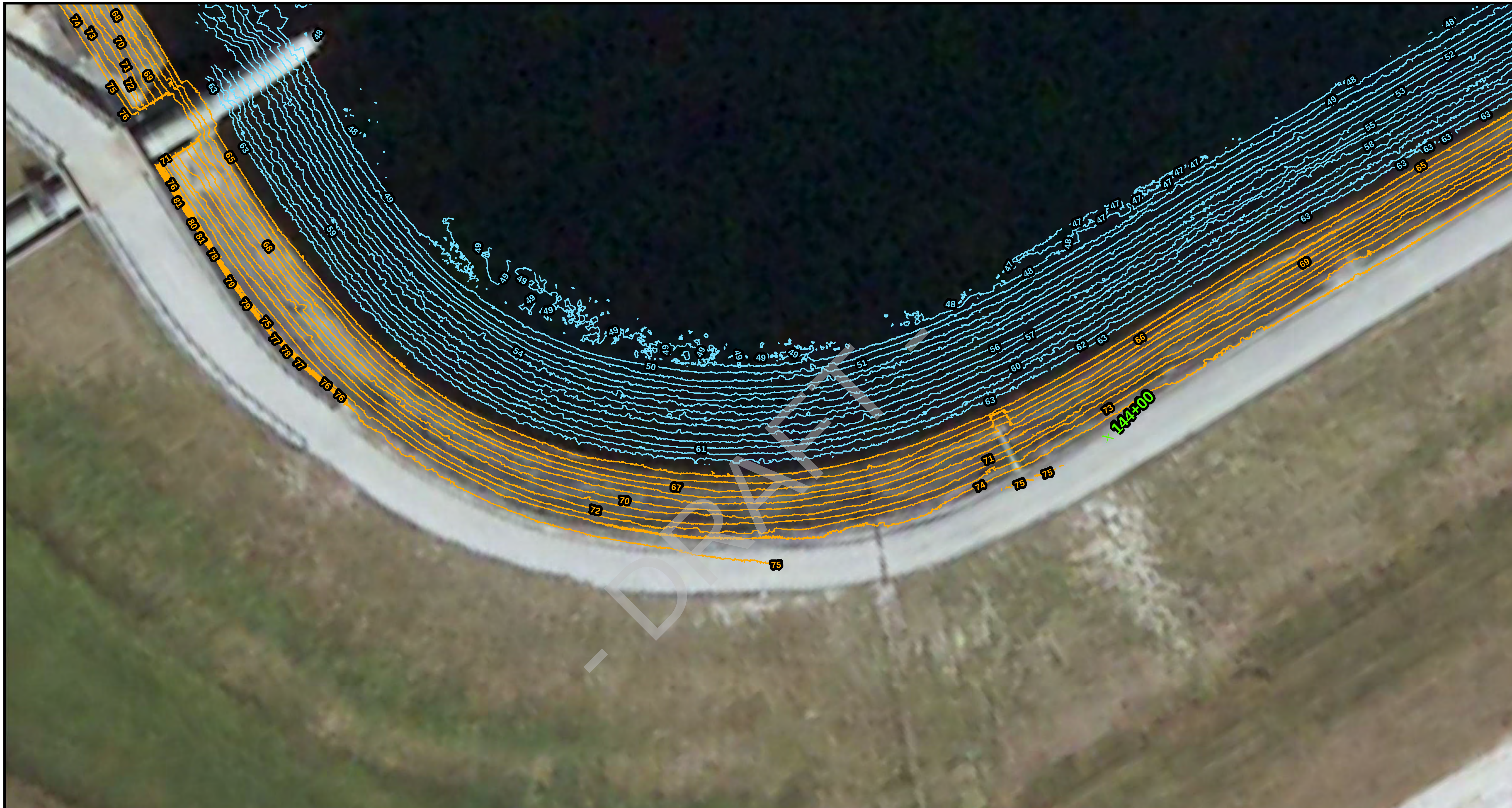
Appendix F
Figure 25
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

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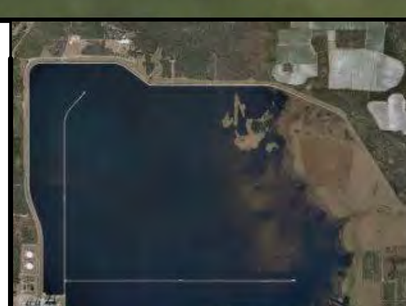

LOCATION MAP
NOT TO SCALE

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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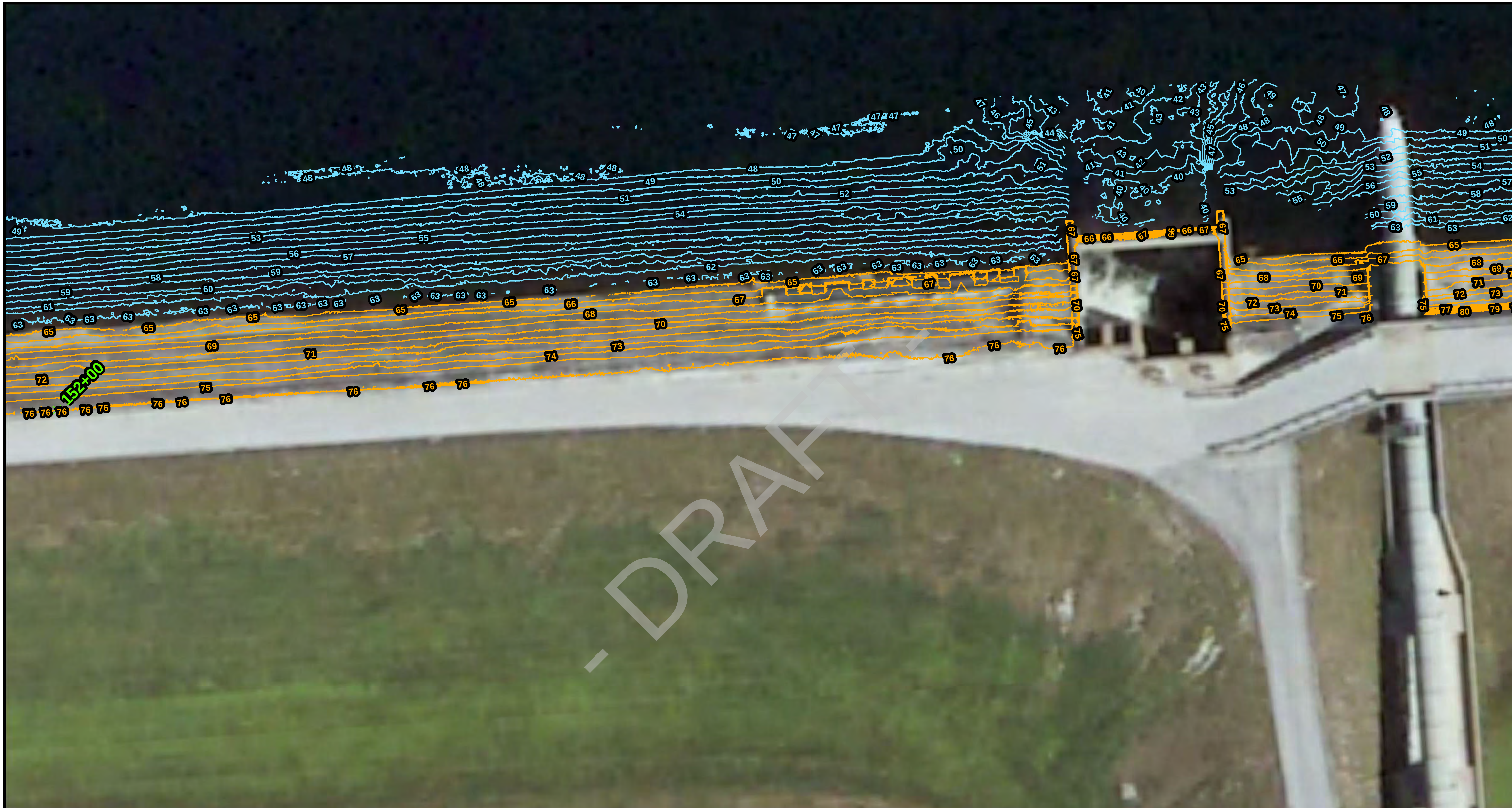
Appendix F
Figure 26
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
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Contours derived from LiDar and Sonar DTMs
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Date: 04/29/20145
Revised:AB
Checked By: JB

LOCATION MAP
NOT TO SCALE

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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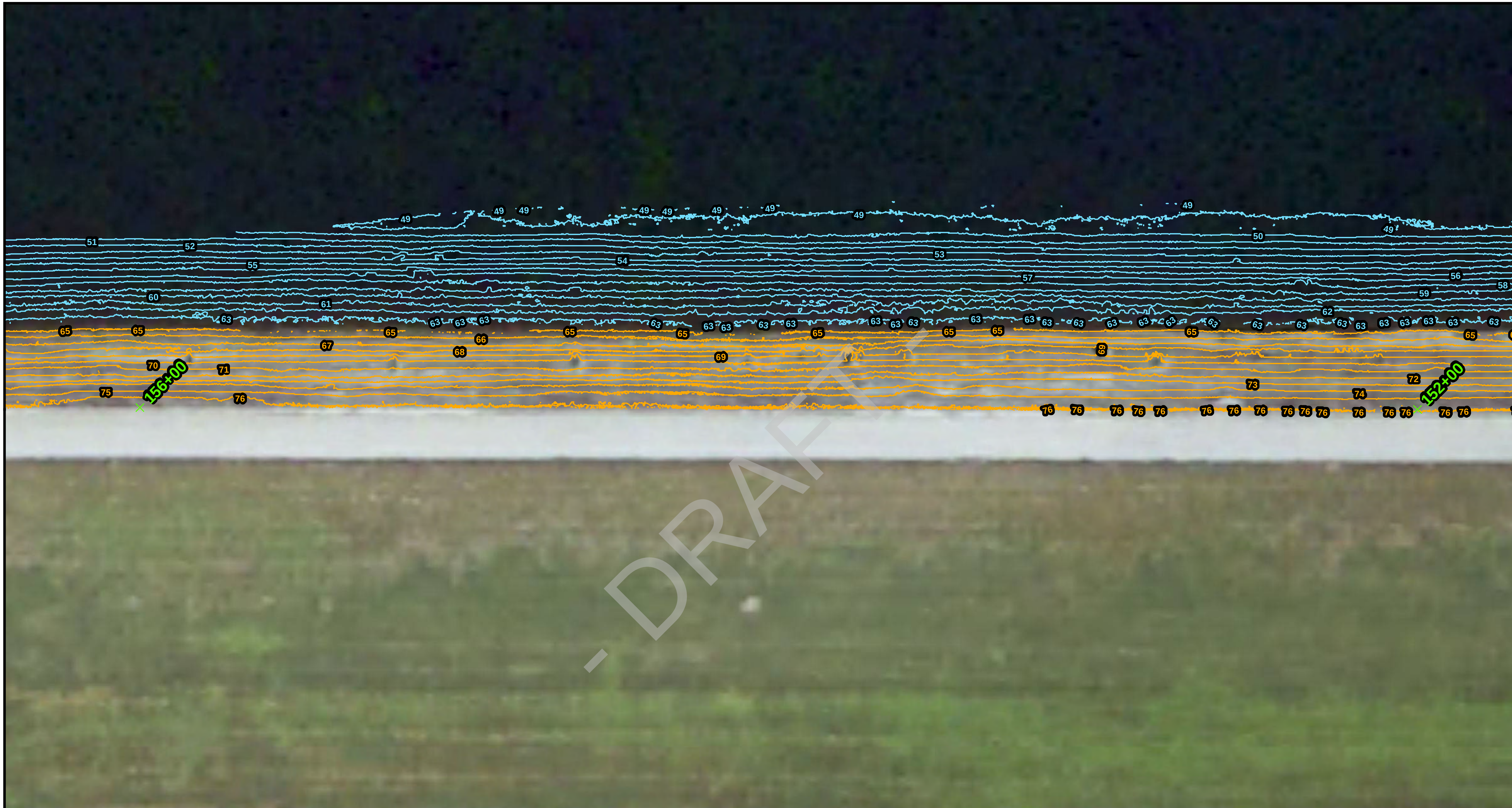
Appendix F
Figure 27
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

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GFY & ACA
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Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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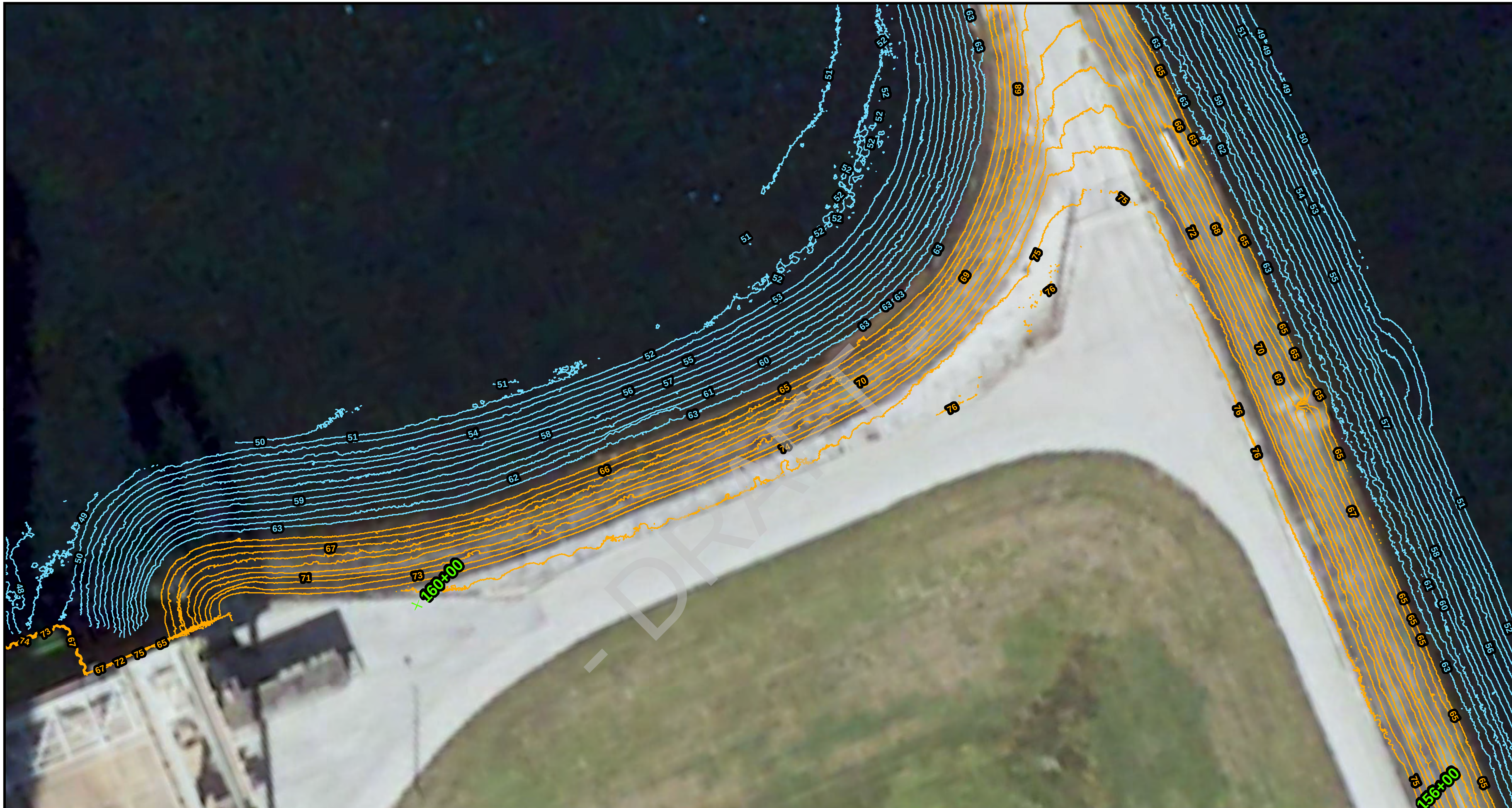
Appendix F
Figure 28
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 29
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours
Sonar derived 1ft contours

GPS Locations

Stations
Repair

N

0 15 30
1" = 30 Feet

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Appendix F
Figure 30
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 31
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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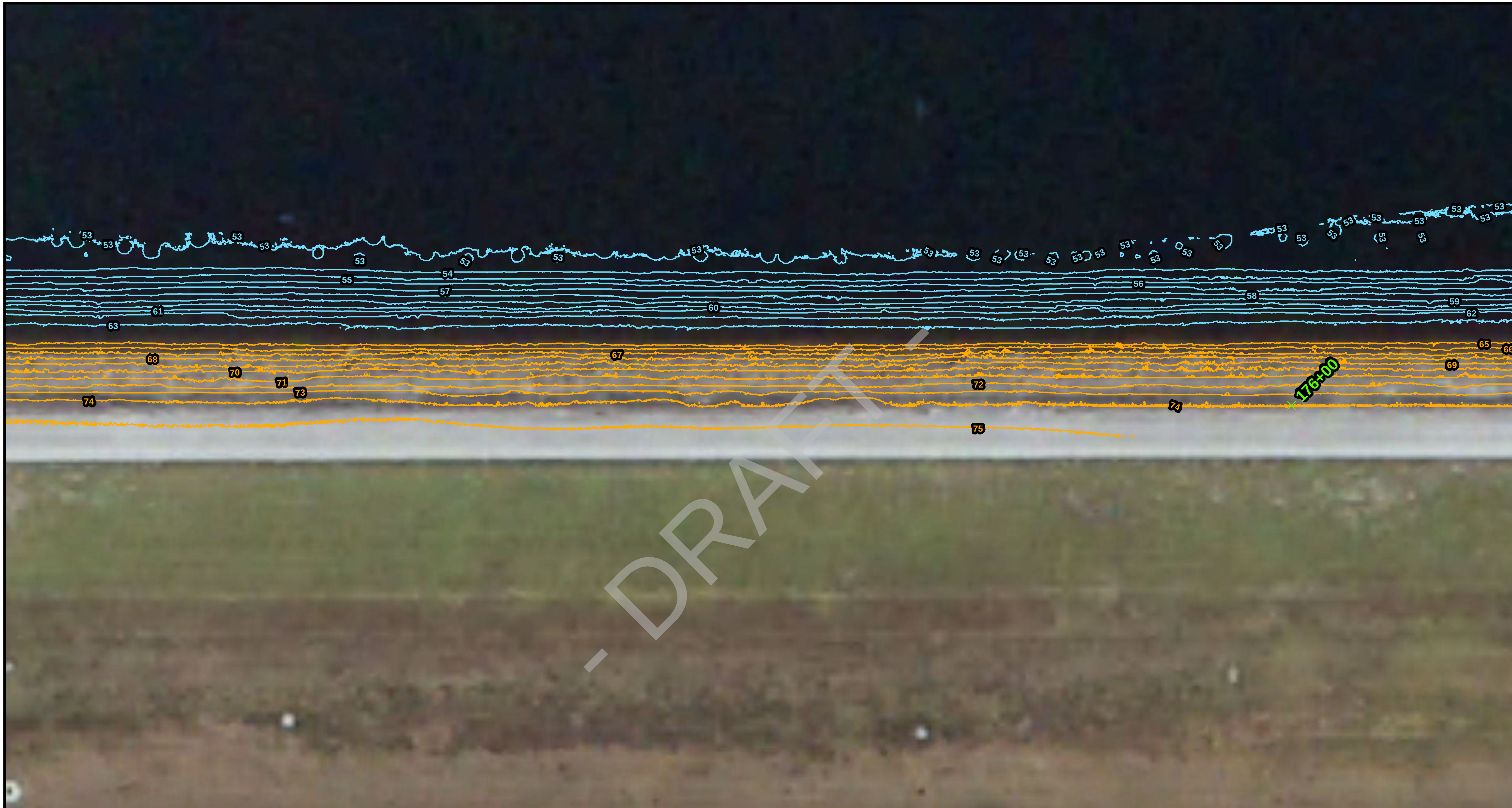
Appendix F
Figure 32
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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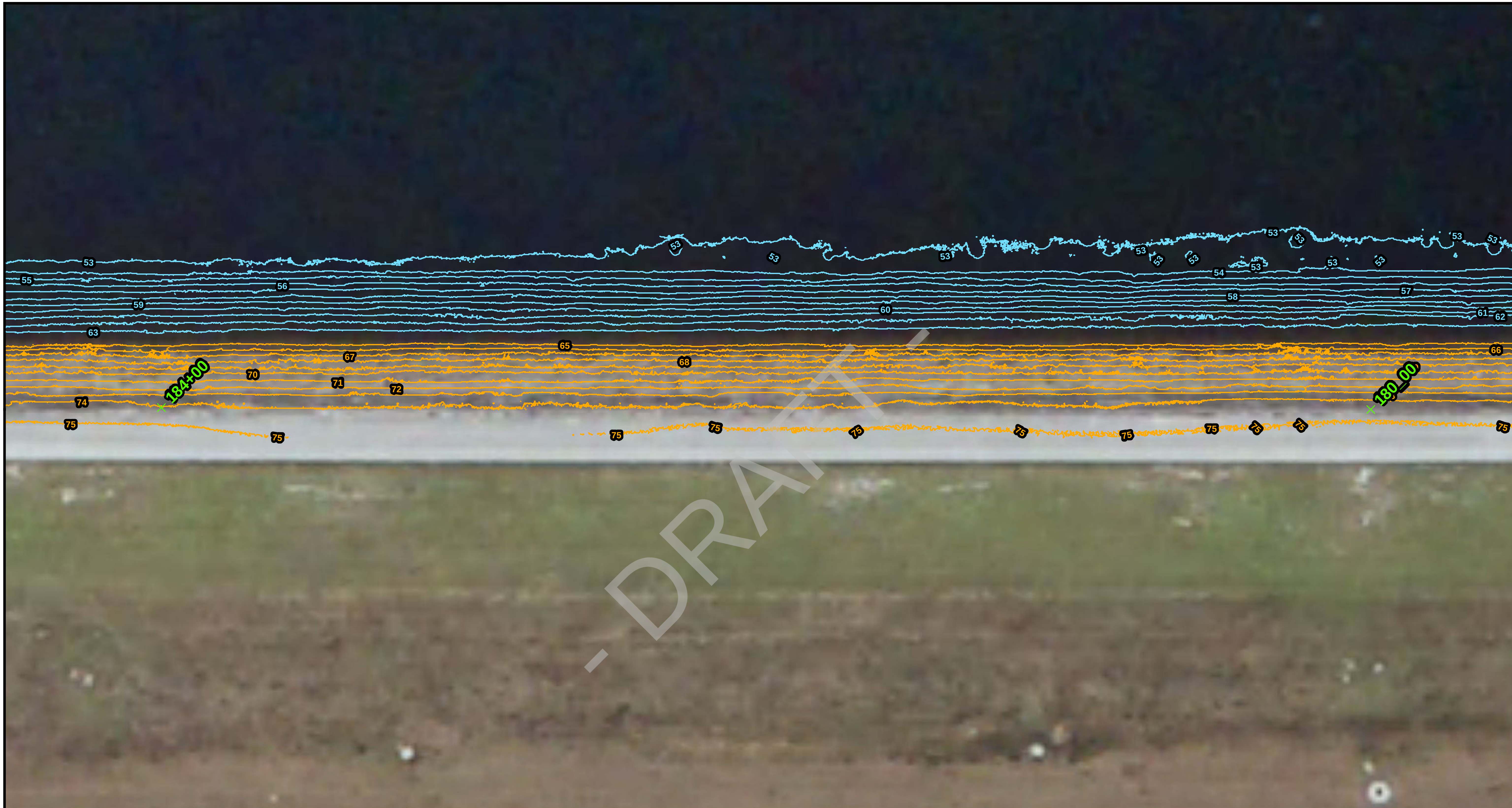
Appendix F
Figure 33
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 34
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 35
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 36
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised: AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 37
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised: AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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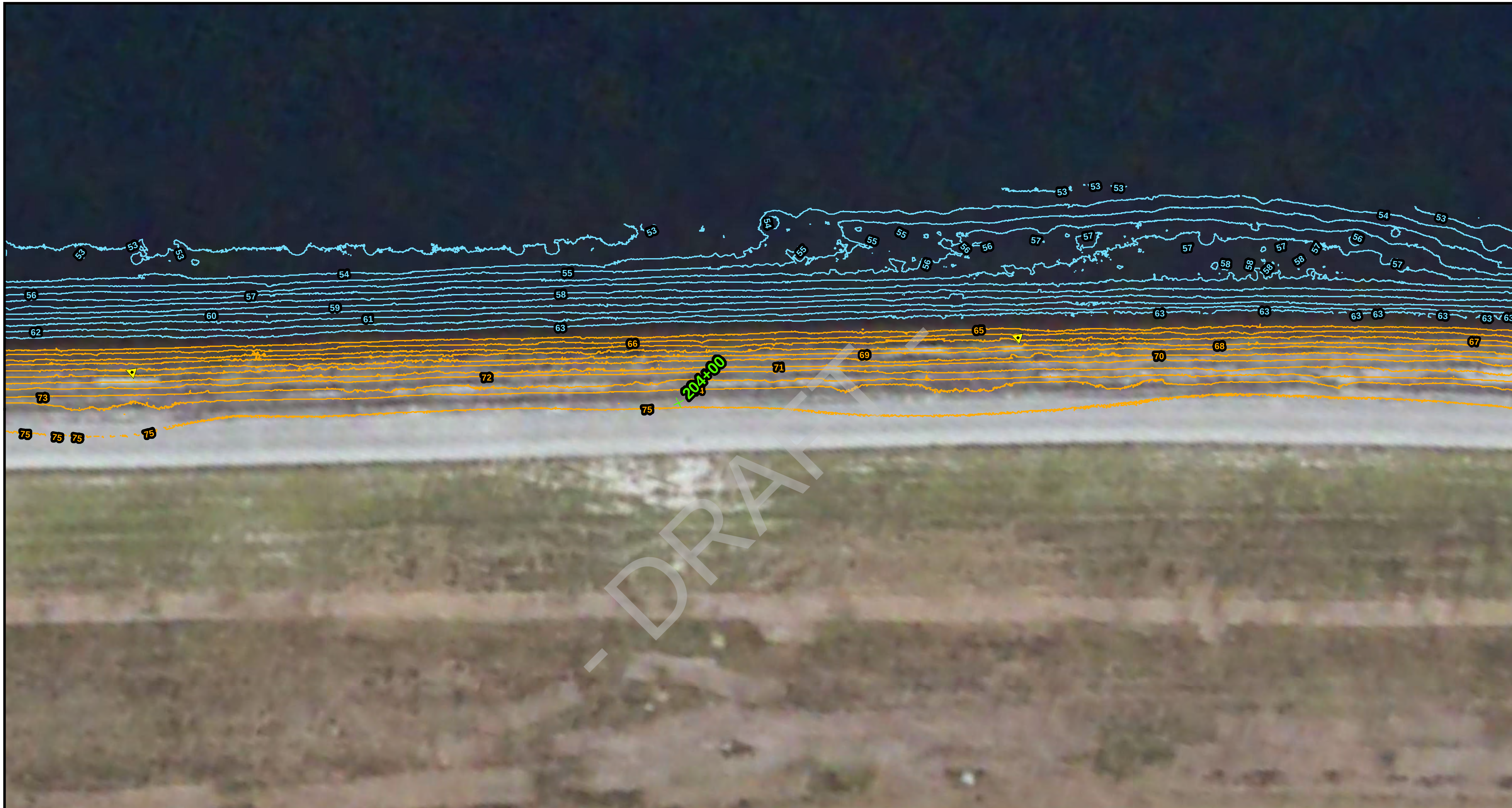
Appendix F
Figure 38
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 39
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 40
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 41
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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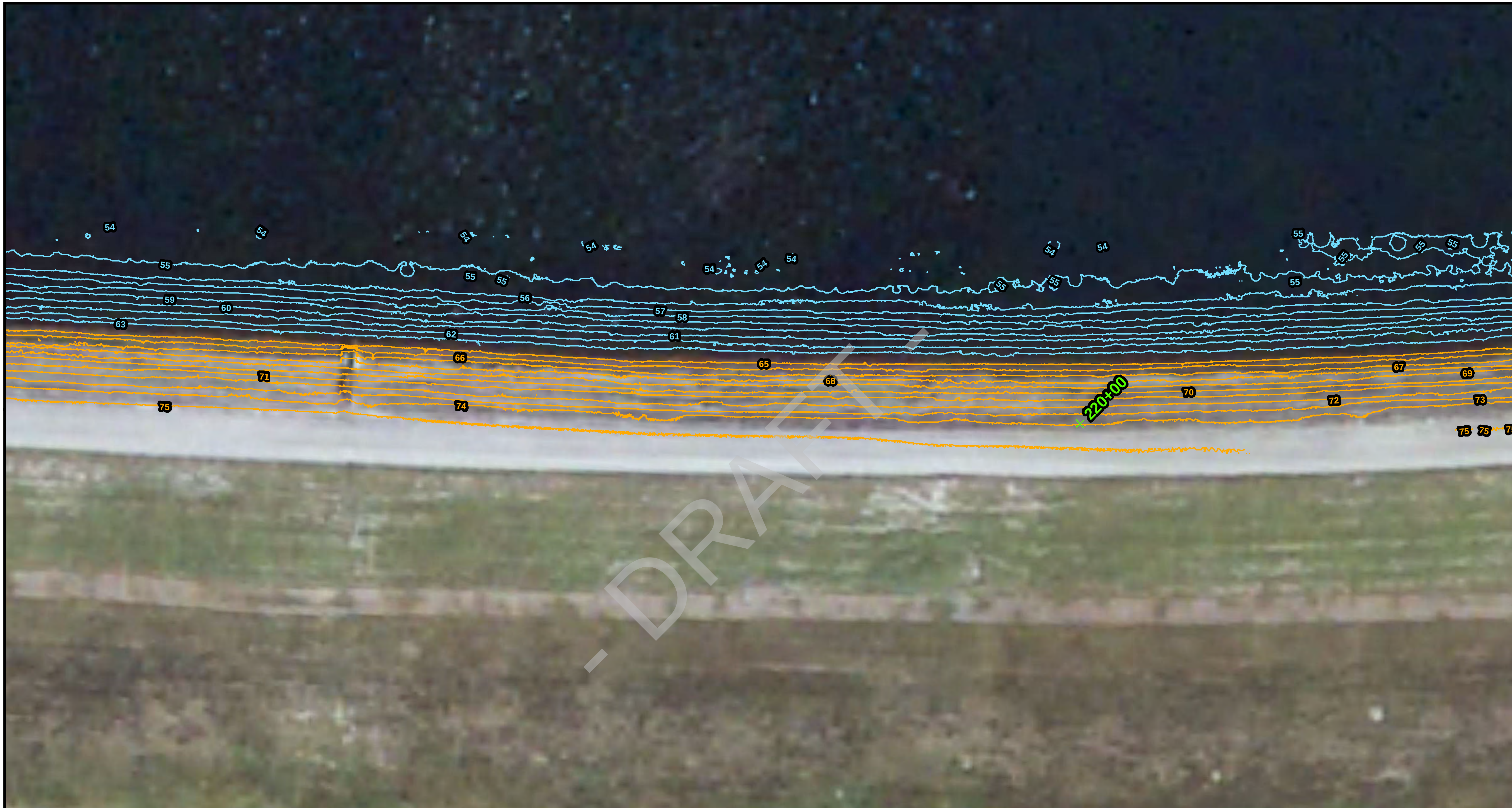
Appendix F
Figure 42
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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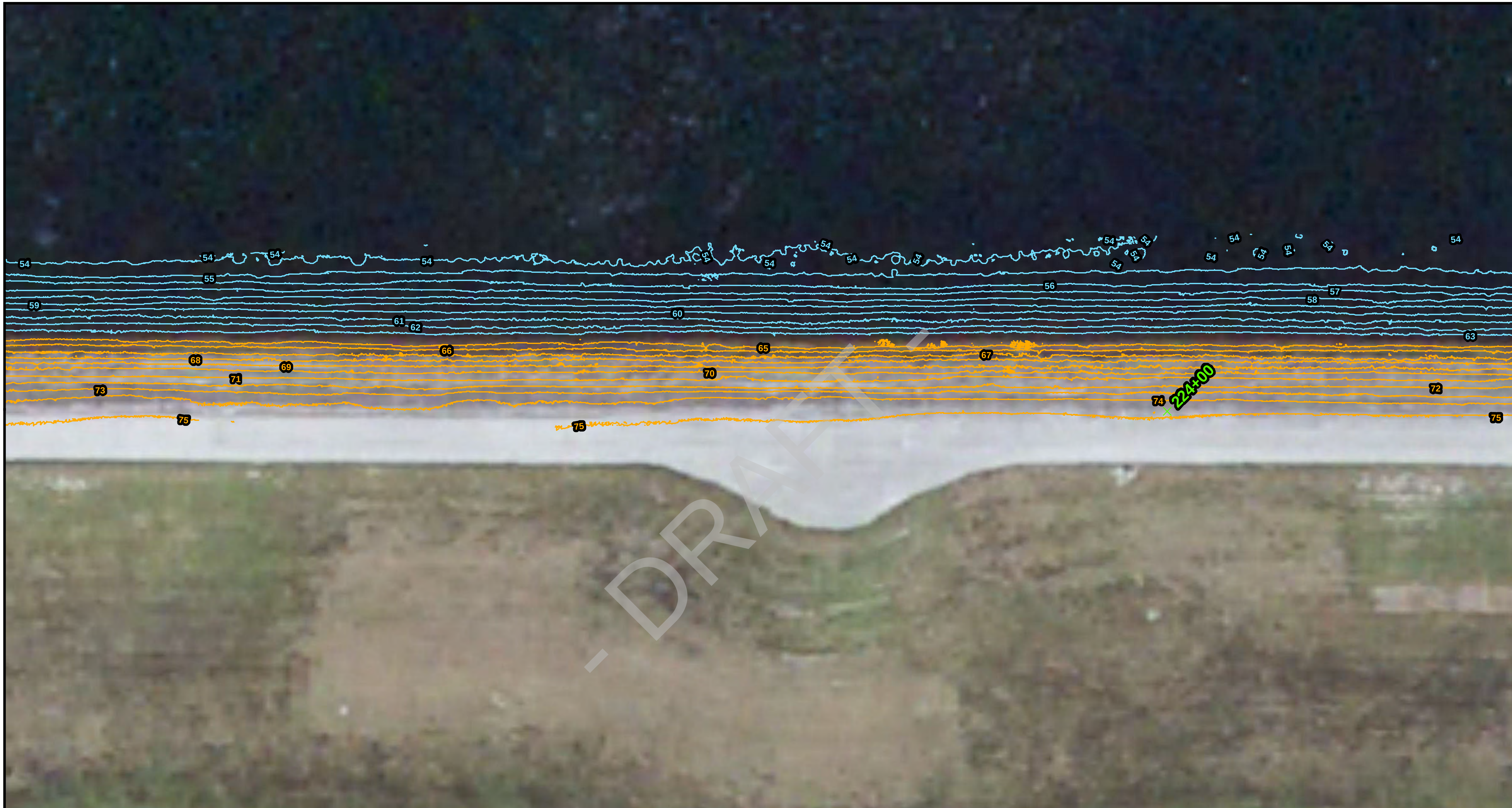
Appendix F
Figure 43
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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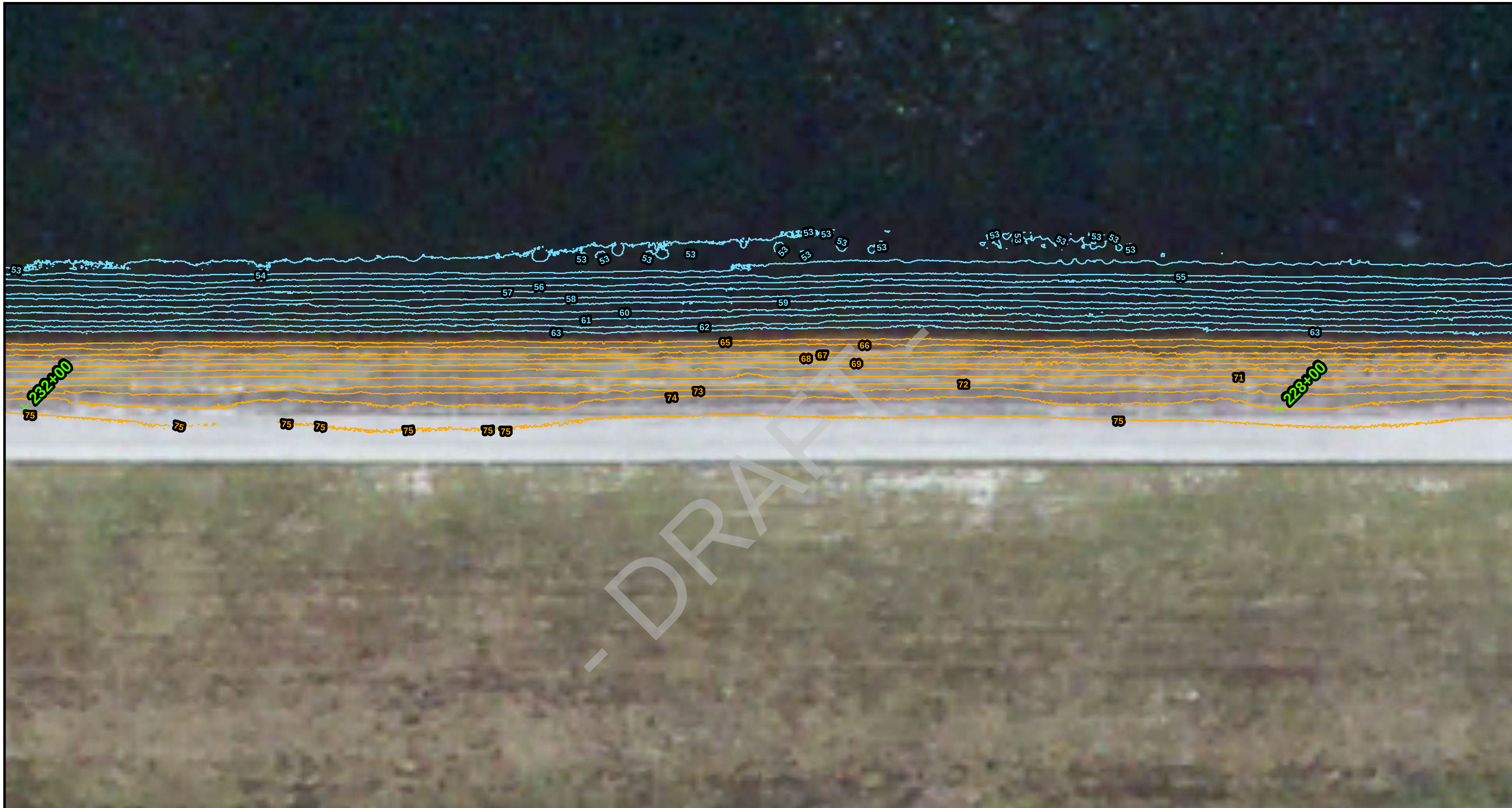
Appendix F
Figure 44
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 45
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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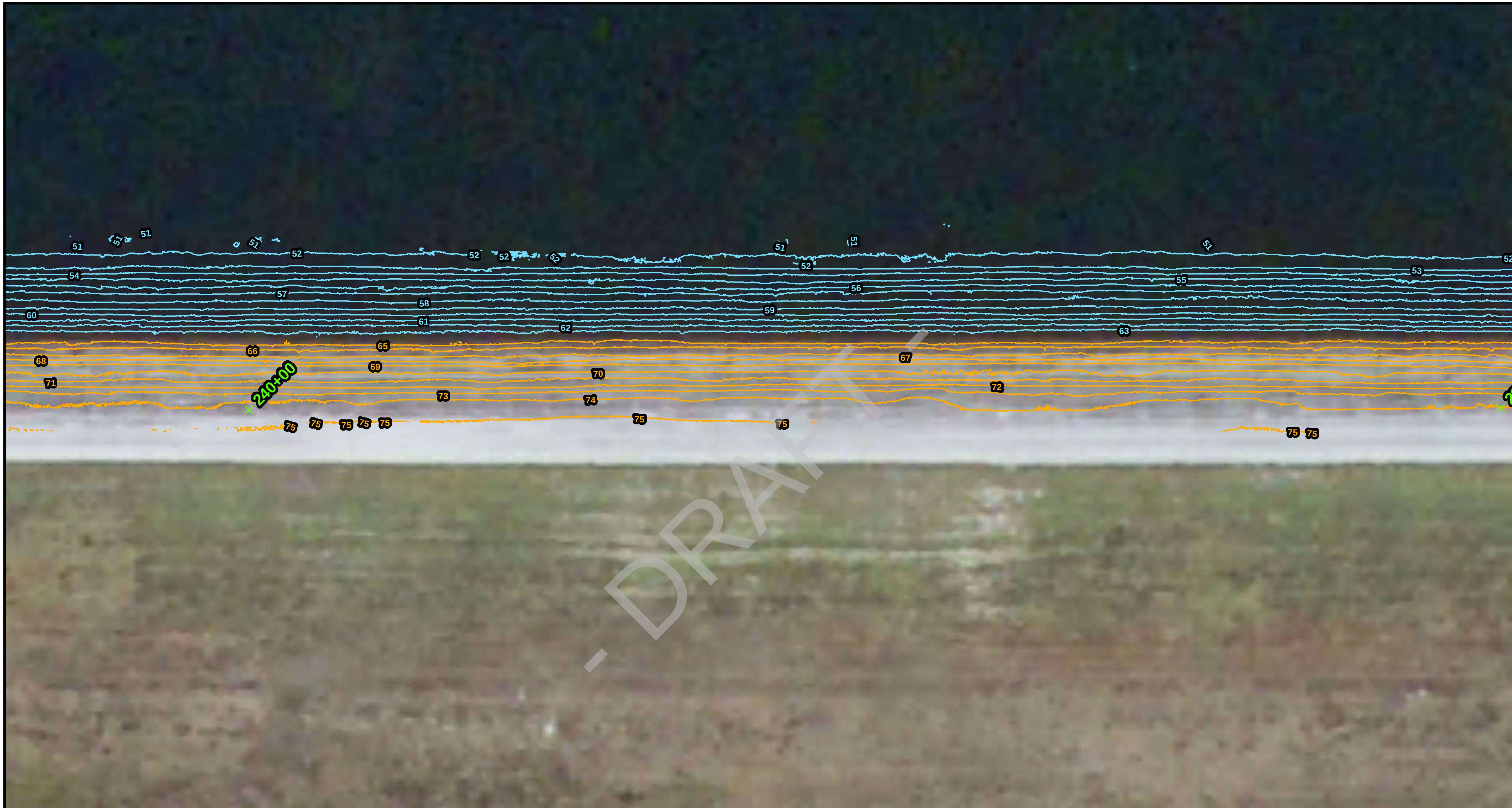
Appendix F
Figure 46
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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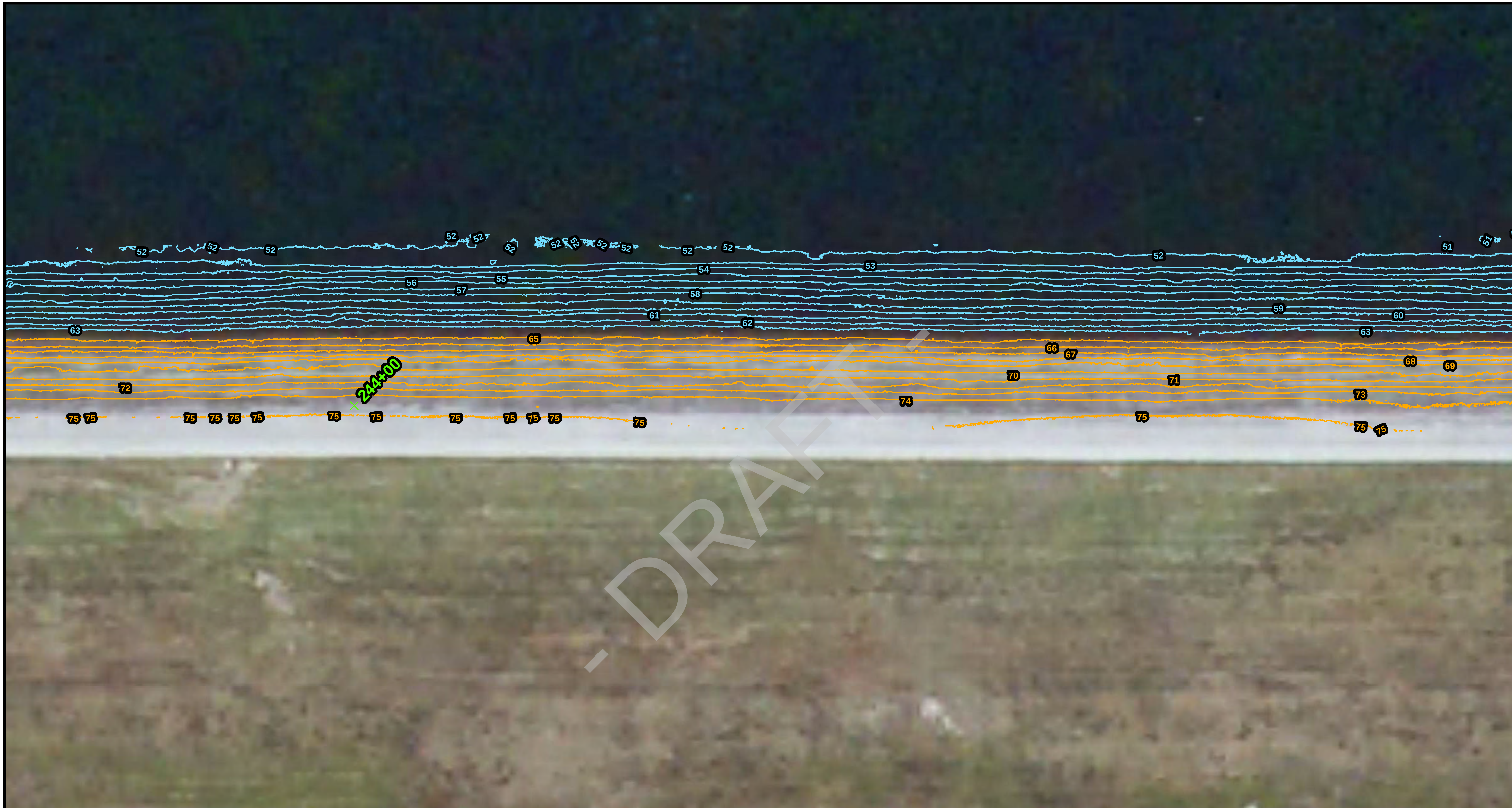
Appendix F
Figure 47
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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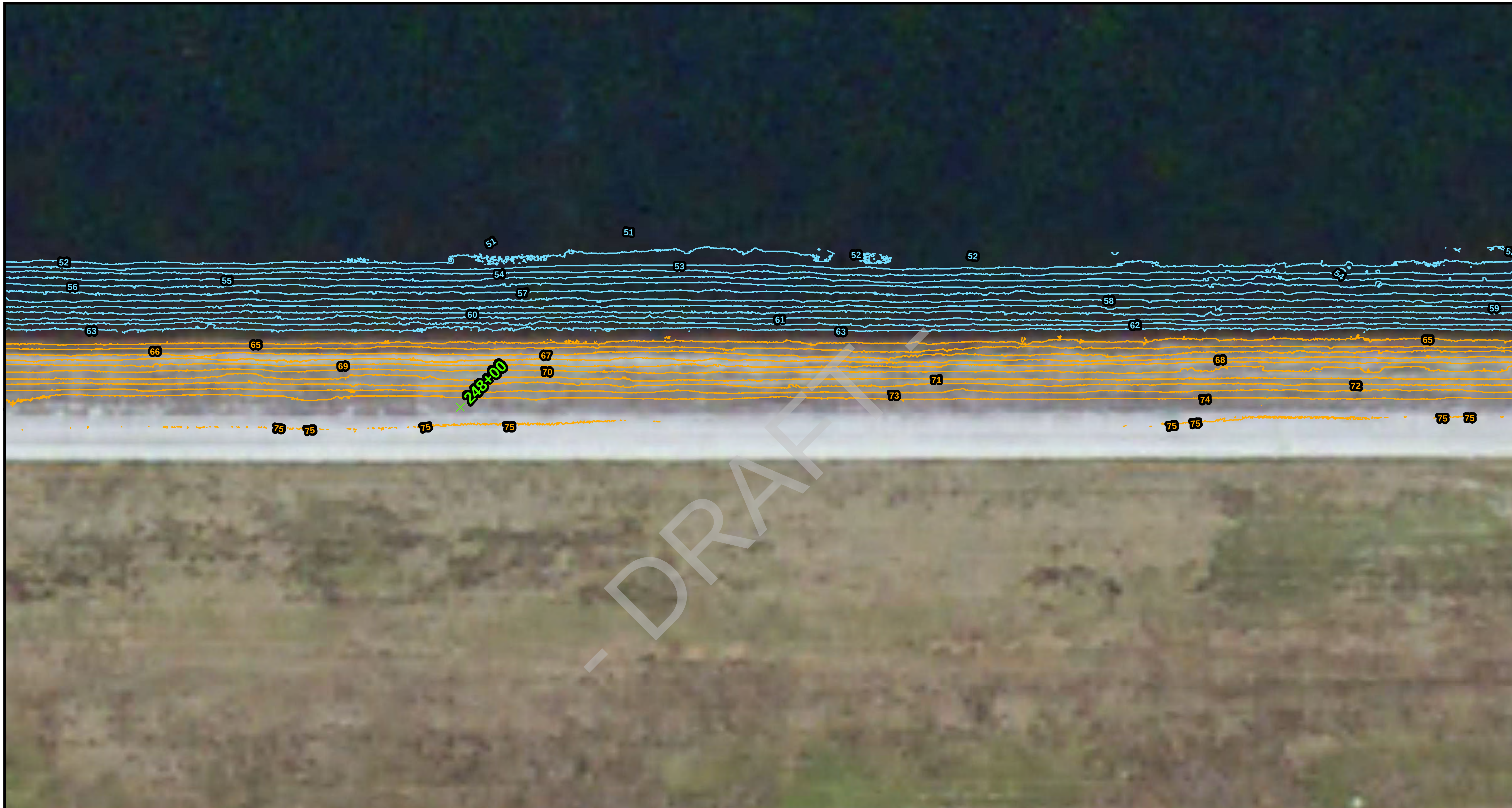
Appendix F
Figure 48
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 49
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 50
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Lakeland, FL 33803
CA-5392
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Appendix F
Figure 51
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

amec foster wheeler

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Appendix F
Figure 52
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 53
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 54
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised: AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 55
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 56
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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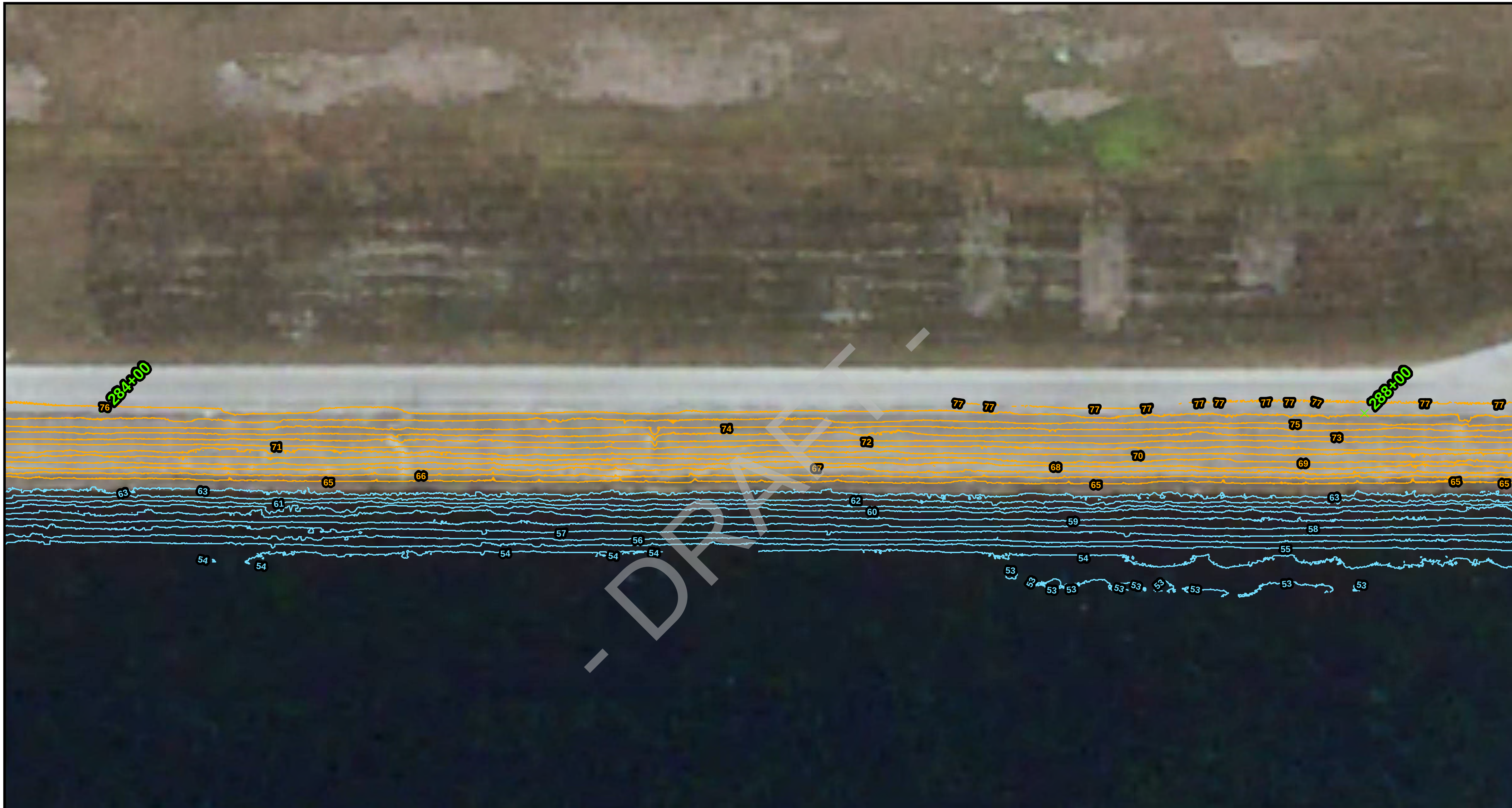
Appendix F
Figure 57
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised: AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 58
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 59
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised: AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 60
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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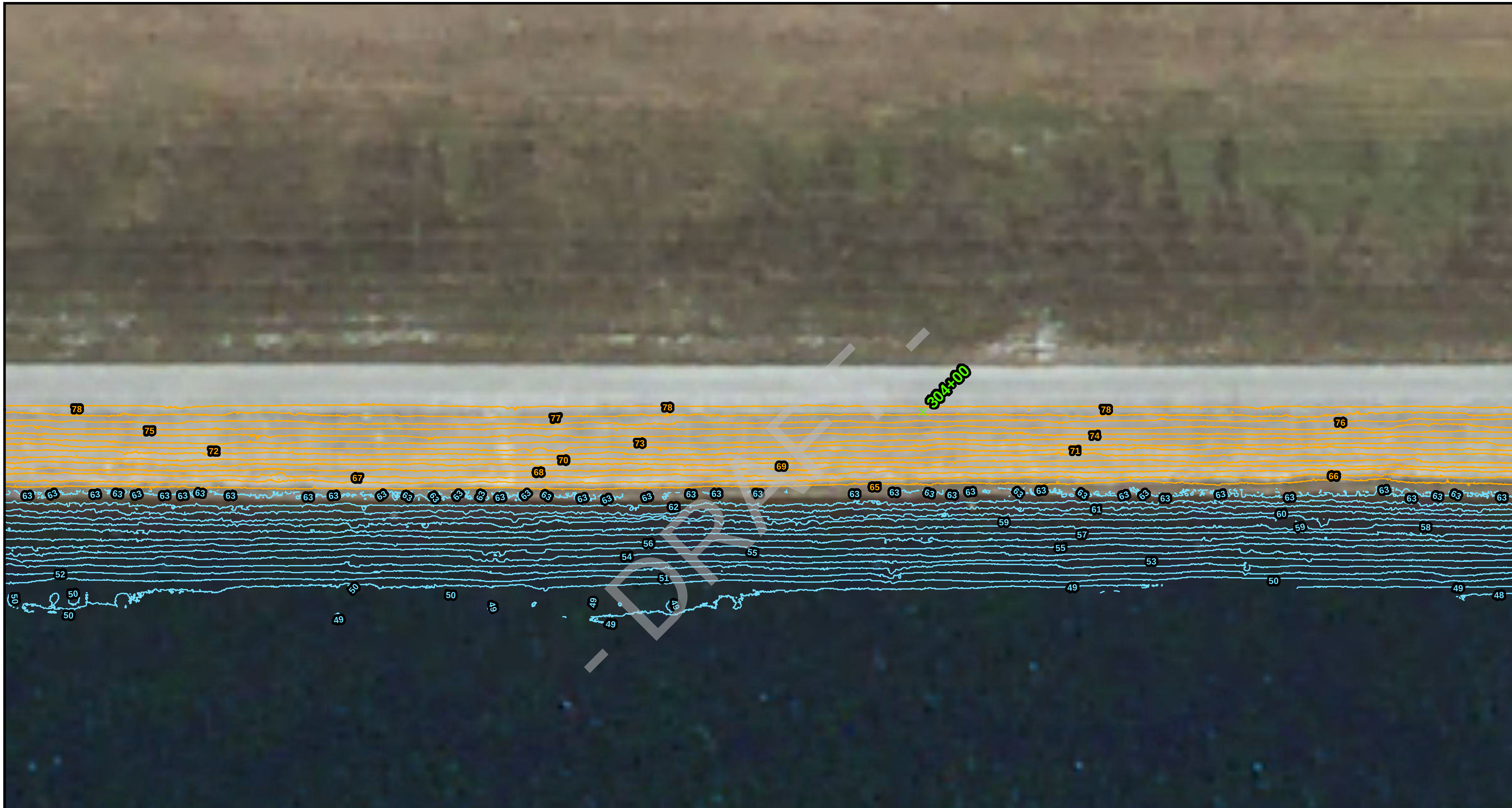
Appendix F
Figure 61
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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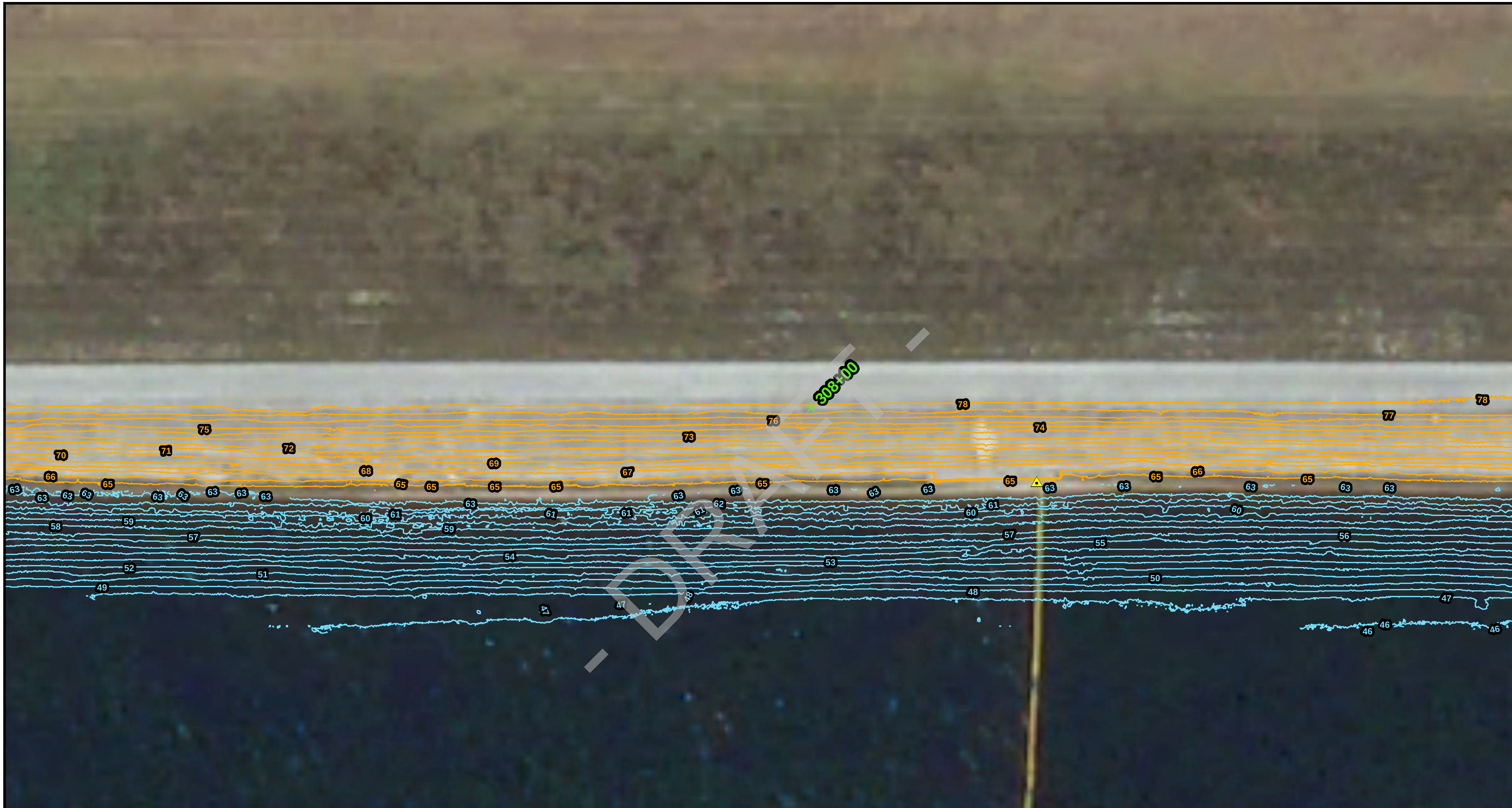
Appendix F
Figure 62
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 63
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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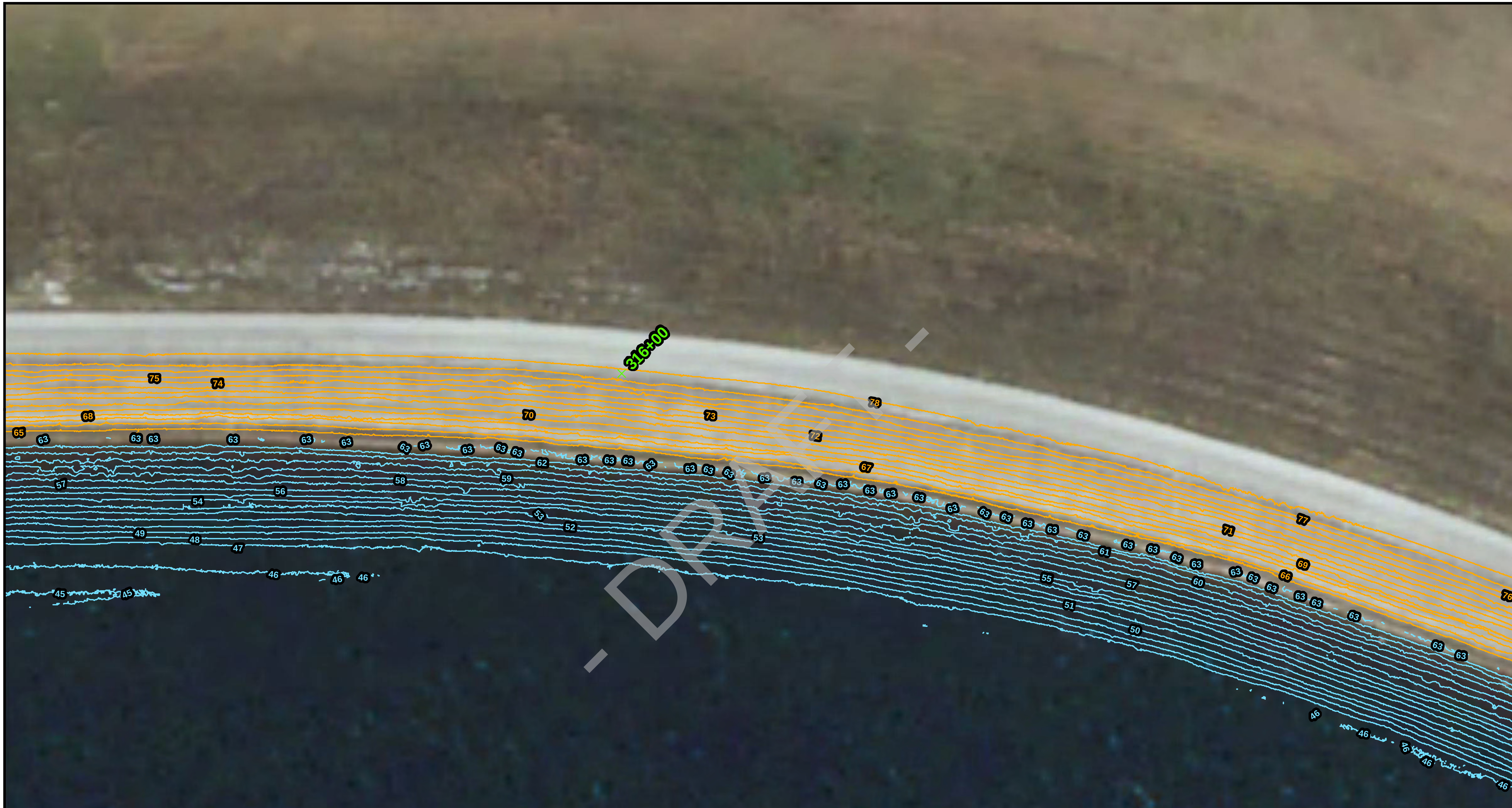
Appendix F
Figure 64
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 65
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 66
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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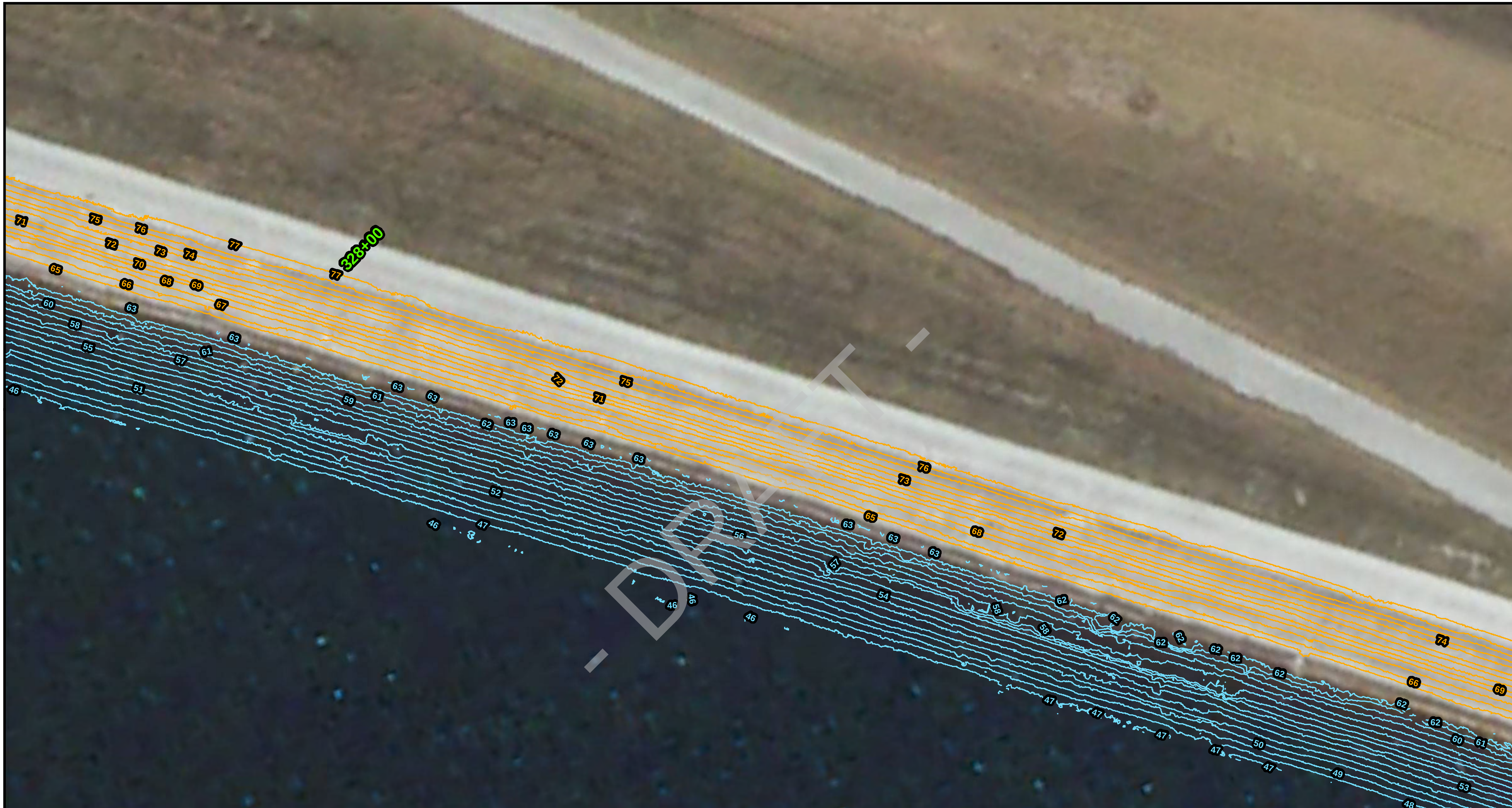
Appendix F
Figure 67
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 68
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised: AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 69
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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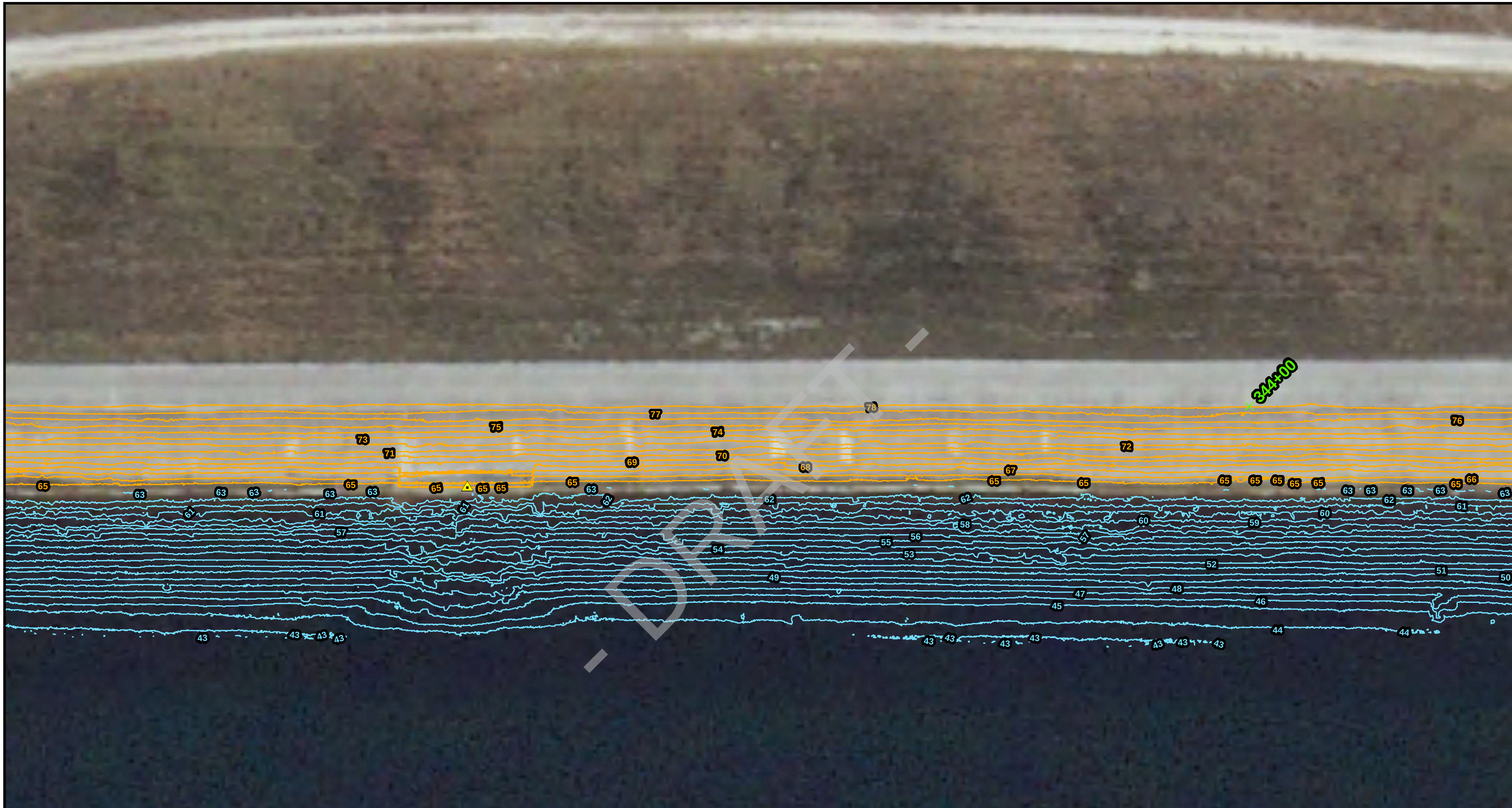
Appendix F
Figure 70
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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CA-5392
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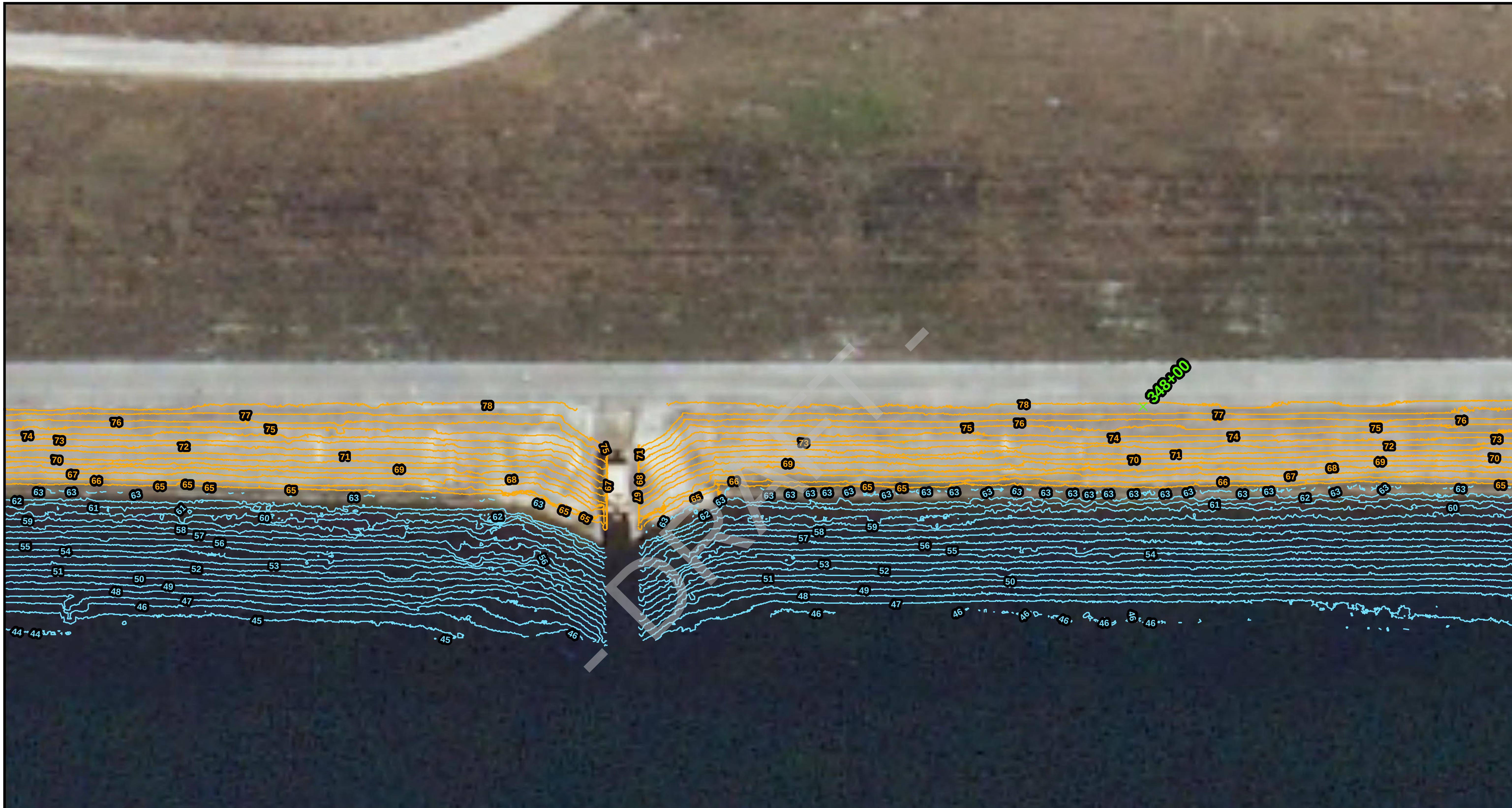
Appendix F
Figure 71
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be
used for planning purposes
only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

LOCATION MAP
NOT TO SCALE

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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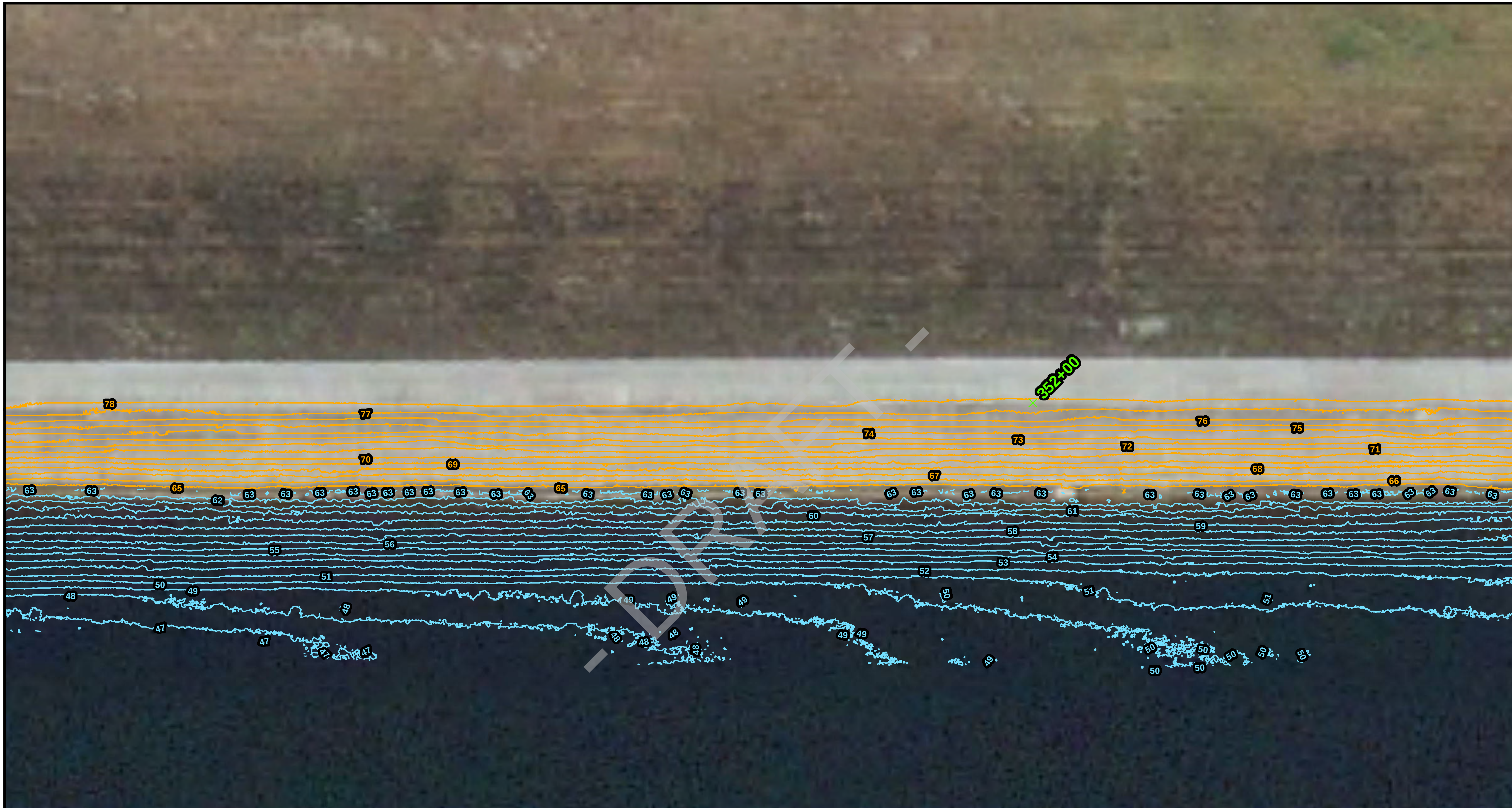
Appendix F
Figure 72
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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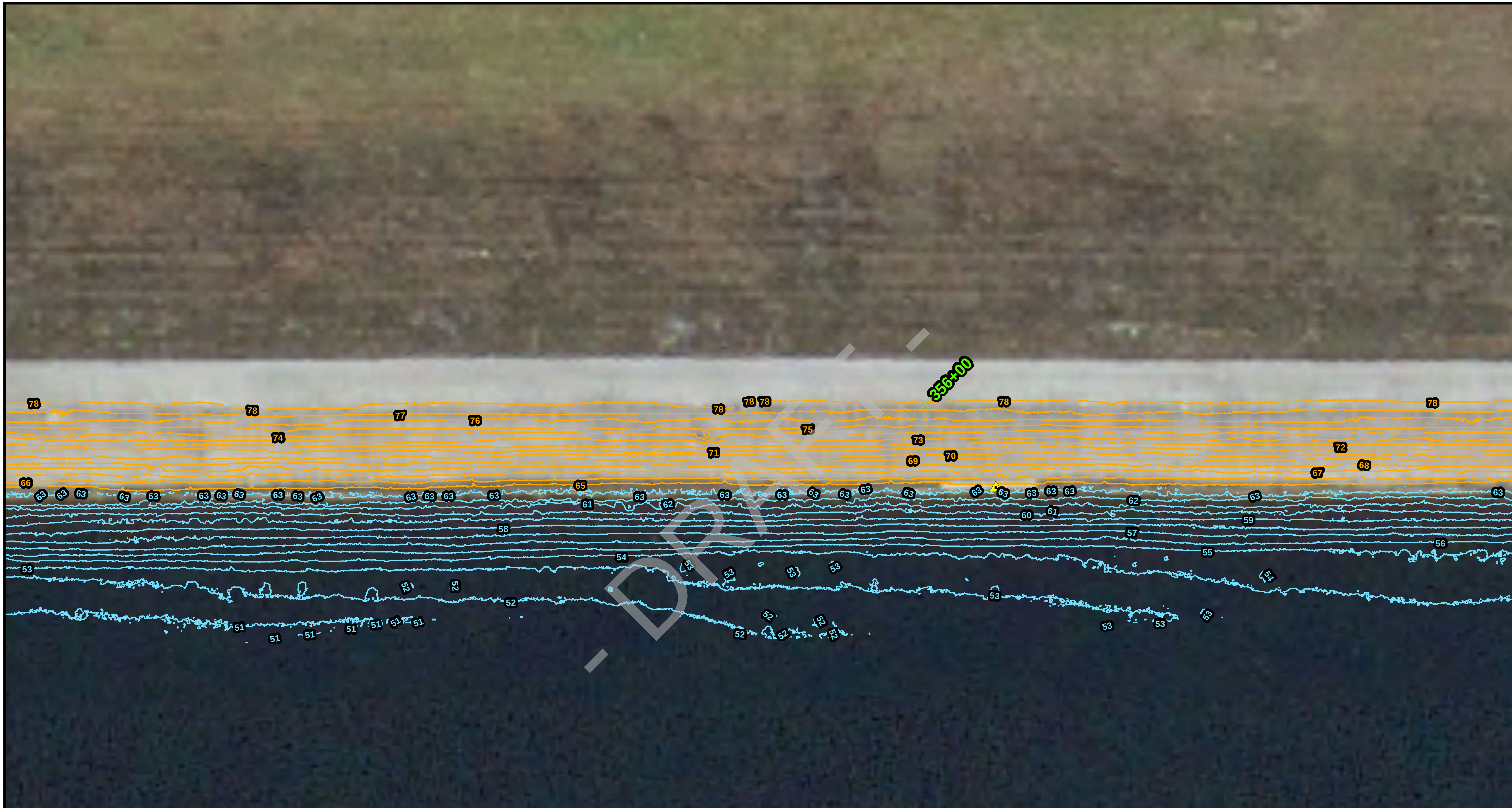
Appendix F
Figure 73
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



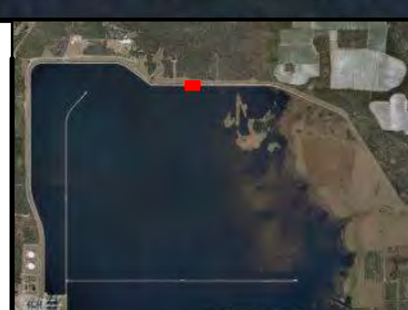
Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB



LOCATION MAP
NOT TO SCALE

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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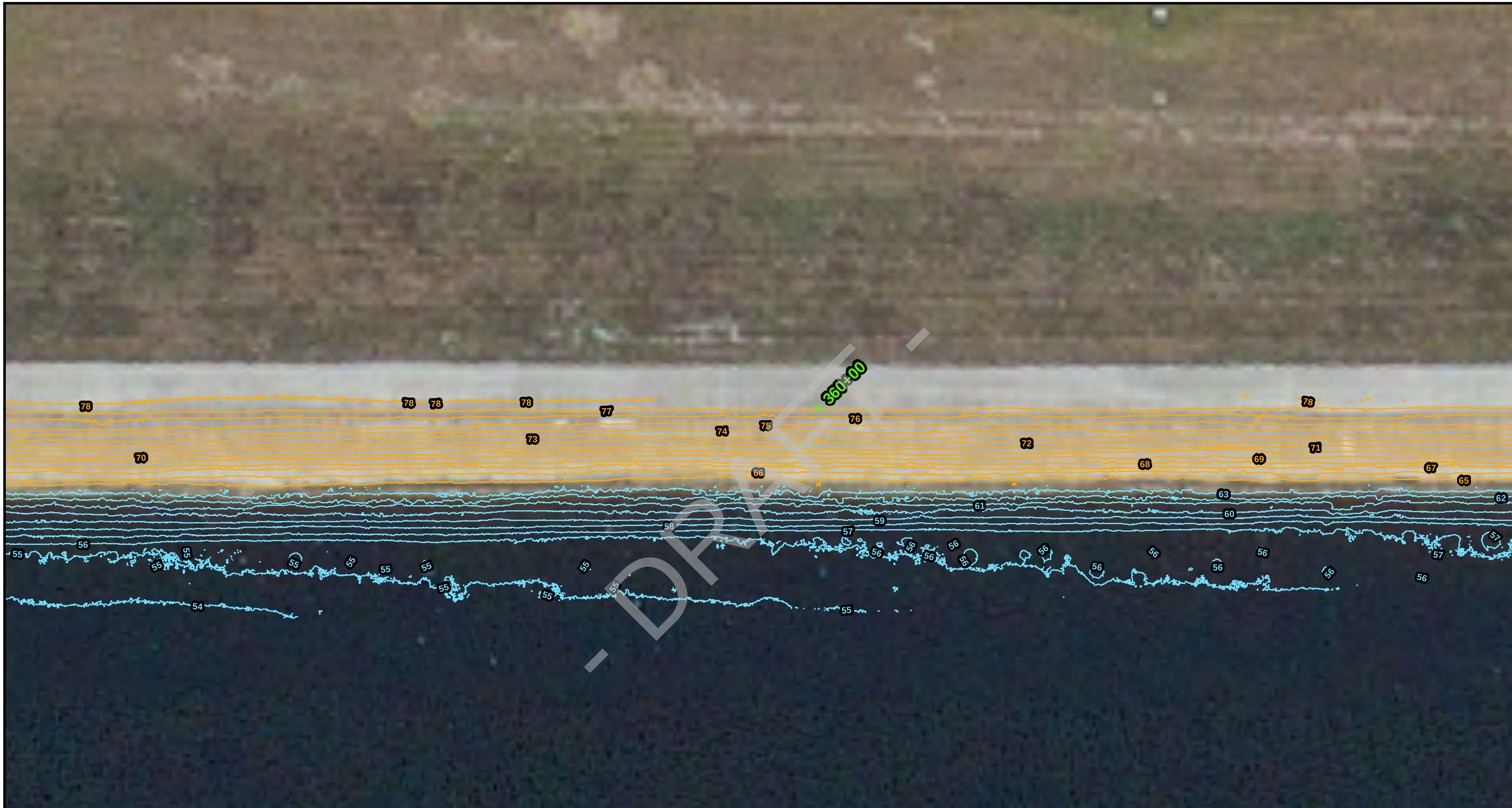
Appendix F
Figure 74
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd



Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 75
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

Notes:

1- Project No.: 300906

2- Data Sources -
GFY & ACA
Contours derived from LiDar and Sonar DTMs
(NAVD 88 feet)

3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/29/20145
Revised:AB
Checked By: JB

Explanation of Features

LiDAR derived 1ft contours

Sonar derived 1ft contours

GPS Locations

Stations

Repair

N

0 15 30

1" = 30 Feet

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Appendix F
Figure 76
Topographic Contours
Manatee Cooling Pond
Manatee County, Florida

File Path: V:\300906_Manatee_Cooling_Pond\MXD\Report\Contour_Profiles\MapBook.mxd

APPENDIX G

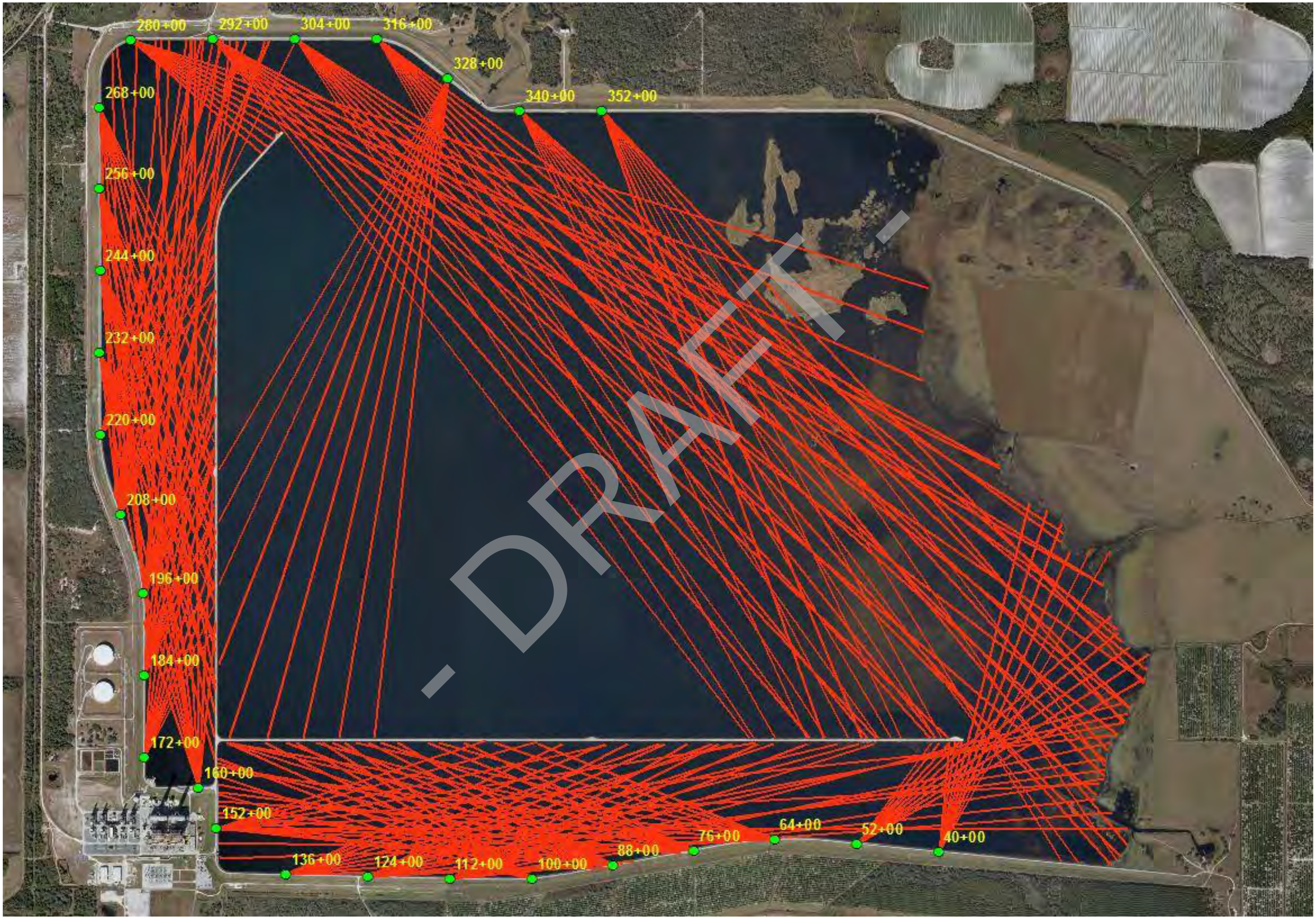
Compiled Condition Assessment Parameter Data

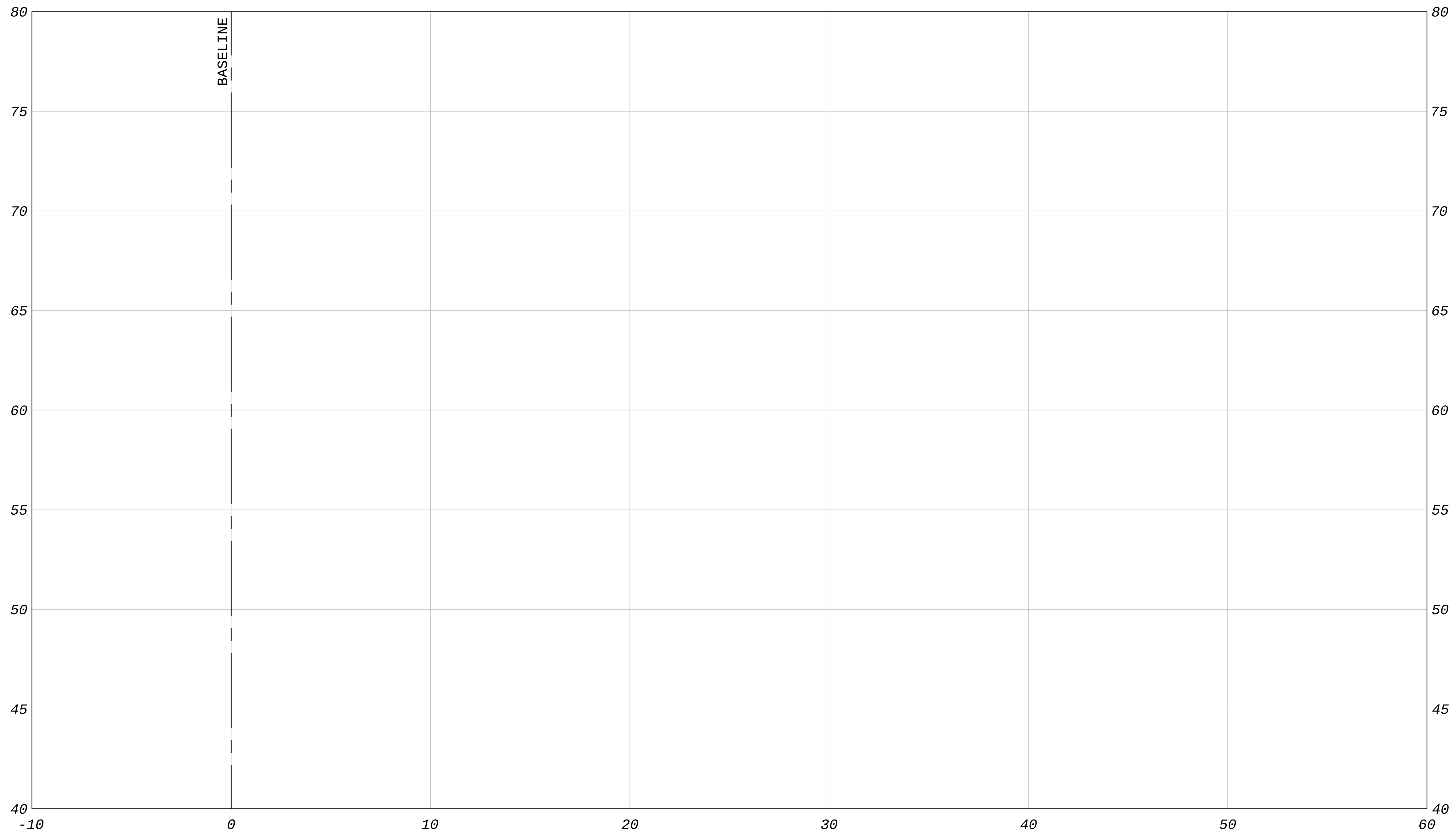
STA	Area below projected slope (sq.ft.)	Averaged Calculated Fetch Length (ft.)
40+00	12.07	3918.30
44+00	8.05	
48+00	9.10	
52+00	3.53	3616.72
56+00	9.32	
60+00	8.53	
64+00	10.17	6690.09
68+00	9.83	
72+00	4.57	
76+00	5.93	5931.58
80+00	5.20	
84+00	8.28	
88+00	7.66	5178.61
92+00	8.25	
96+00	11.69	
100+00	8.73	4378.72
104+00	10.90	
108+00	6.56	
112+00	6.22	6416.18
116+00	11.04	
120+00	9.50	
124+00	10.73	7197.10
128+00	10.30	
132+00	2.28	
136+00	5.78	7974.59
140+00	7.92	
148+00	21.95	
152+00	6.49	8284.69
156+00	15.37	
160+00	4.69	6741.06
164+00	4.51	
169+00	4.37	
172+00	14.96	5120.81
176+00	7.71	
180+00	8.38	
184+00	2.37	5424.79

STA	Area below projected slope (sq.ft.)	Averaged Calculated Fetch Length (ft.)
188+00	3.85	
192+00	15.91	
196+00	8.48	4501.75
200+00	14.32	
204+00	16.78	
208+00	11.31	6291.55
212+00	5.53	
216+00	10.57	
220+00	8.38	4780.95
224+00	8.51	
228+00	5.36	
232+00	15.02	4280.23
236+00	9.38	
240+00	18.70	
244+00	15.29	5042.18
248+00	11.75	
252+00	17.55	
256+00	10.06	6273.47
260+00	12.10	
264+00	17.68	
268+00	21.69	6373.98
272+00	14.09	
276+00	20.25	
280+00	26.15	8631.14
284+00	9.59	
288+00	19.74	
292+00	25.08	14853.59
296+00	10.98	
300+00	22.19	
304+00	20.18	14274.44
308+00	20.09	
312+00	11.45	
316+00	20.55	13610.96
320+00	7.48	
324+00	29.83	
328+00	23.28	8969.70
332+00	16.50	
336+00	15.61	
340+00	20.51	11843.84

STA	Area below projected slope (sq.ft.)	Averaged Calculated Fetch Length (ft.)
344+00	19.95	
348+00	22.82	
352+00	13.43	11303.45
360+00	9.45	
364+00	9.45	

Fetch Length Diagram





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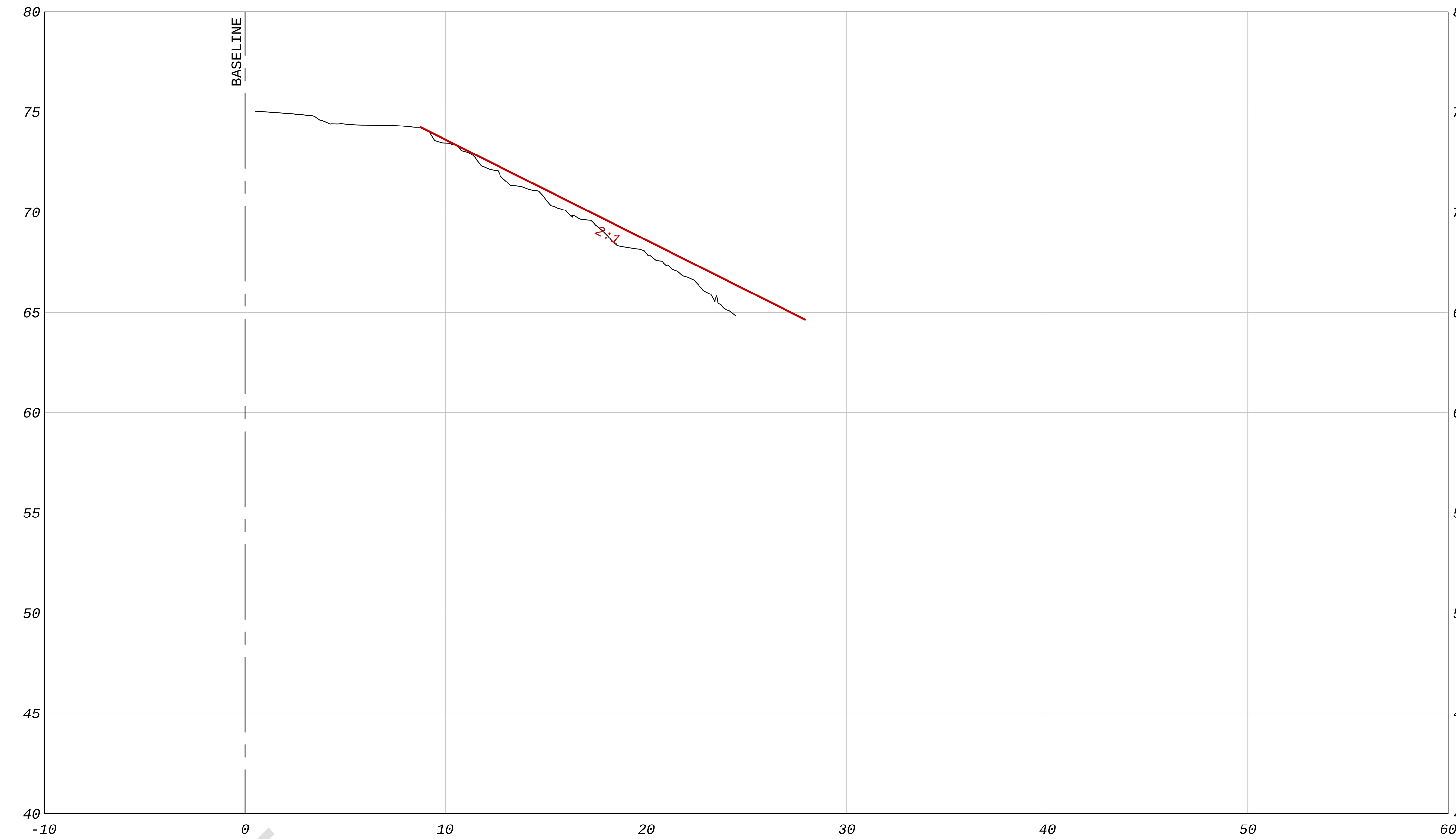

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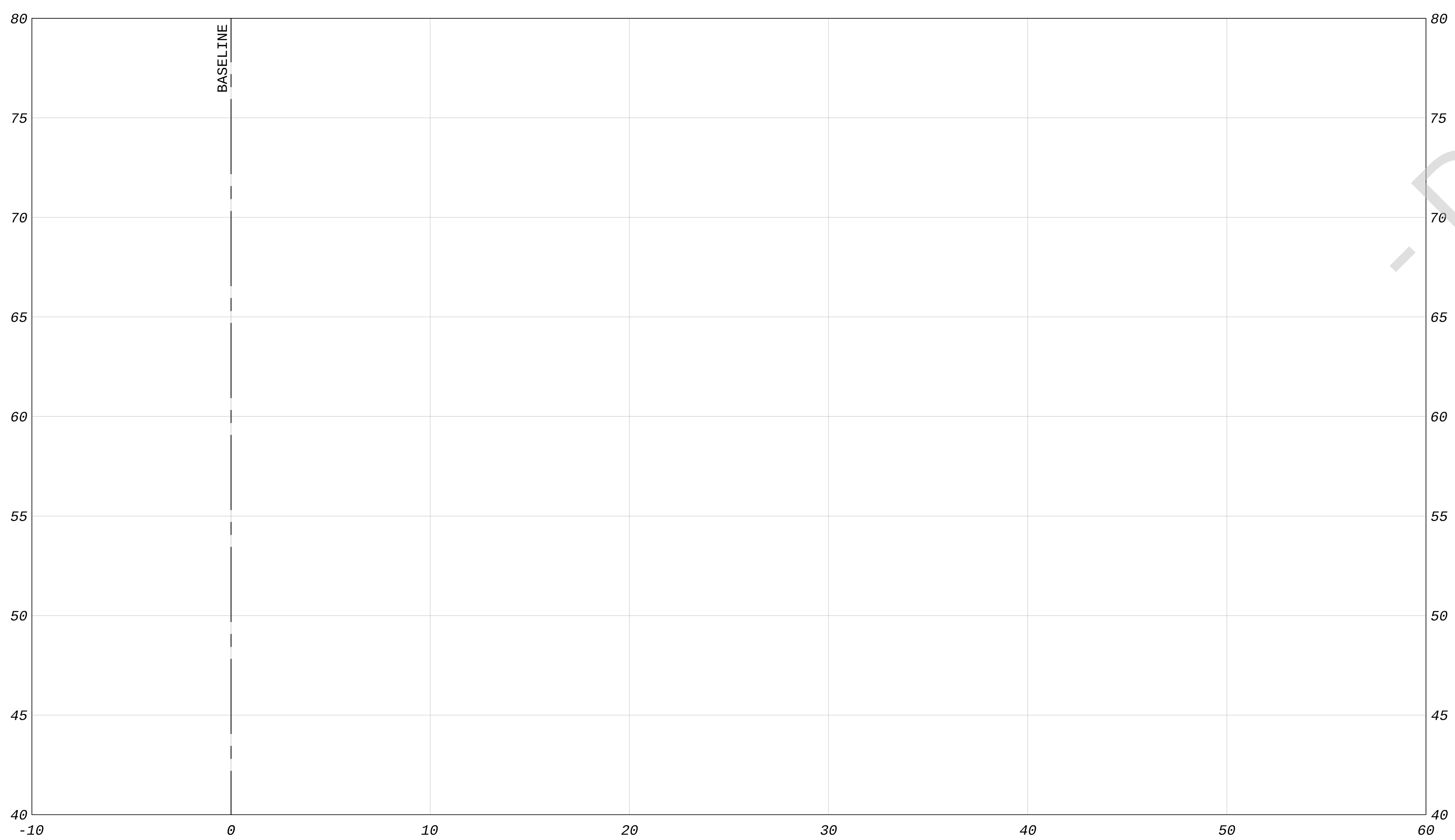

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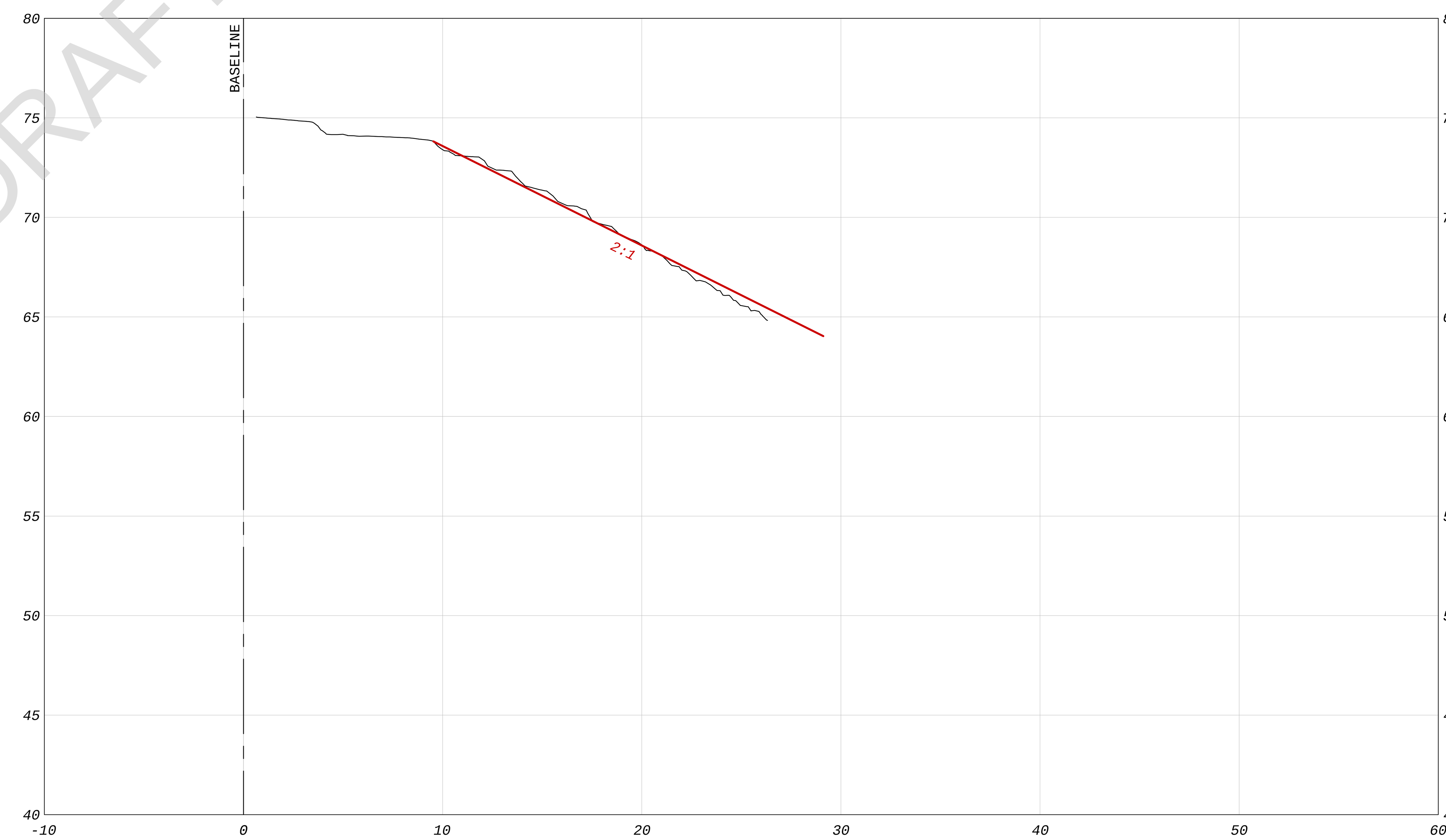


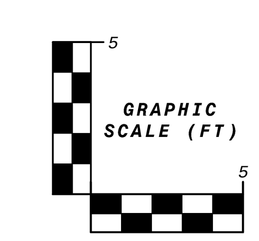
16+00

- DRAFT -

LEGEND

———	EXISTING GRADE
———	ORIGINAL DESIGN SLOPE
- - - -	PROJECTED SLOPE ALONG HIGH POINT OF STEPS
▇	AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015



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NO.	DATE	REVISION

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Environment & Infrastructure, Inc.
2000 E. Edgewood Dr., Suite 215, Lakeland, FL 33803
Phone: 1.863.667.2345 Fax: 1.863.667.2667
www.amecfw.com CA-5392

MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

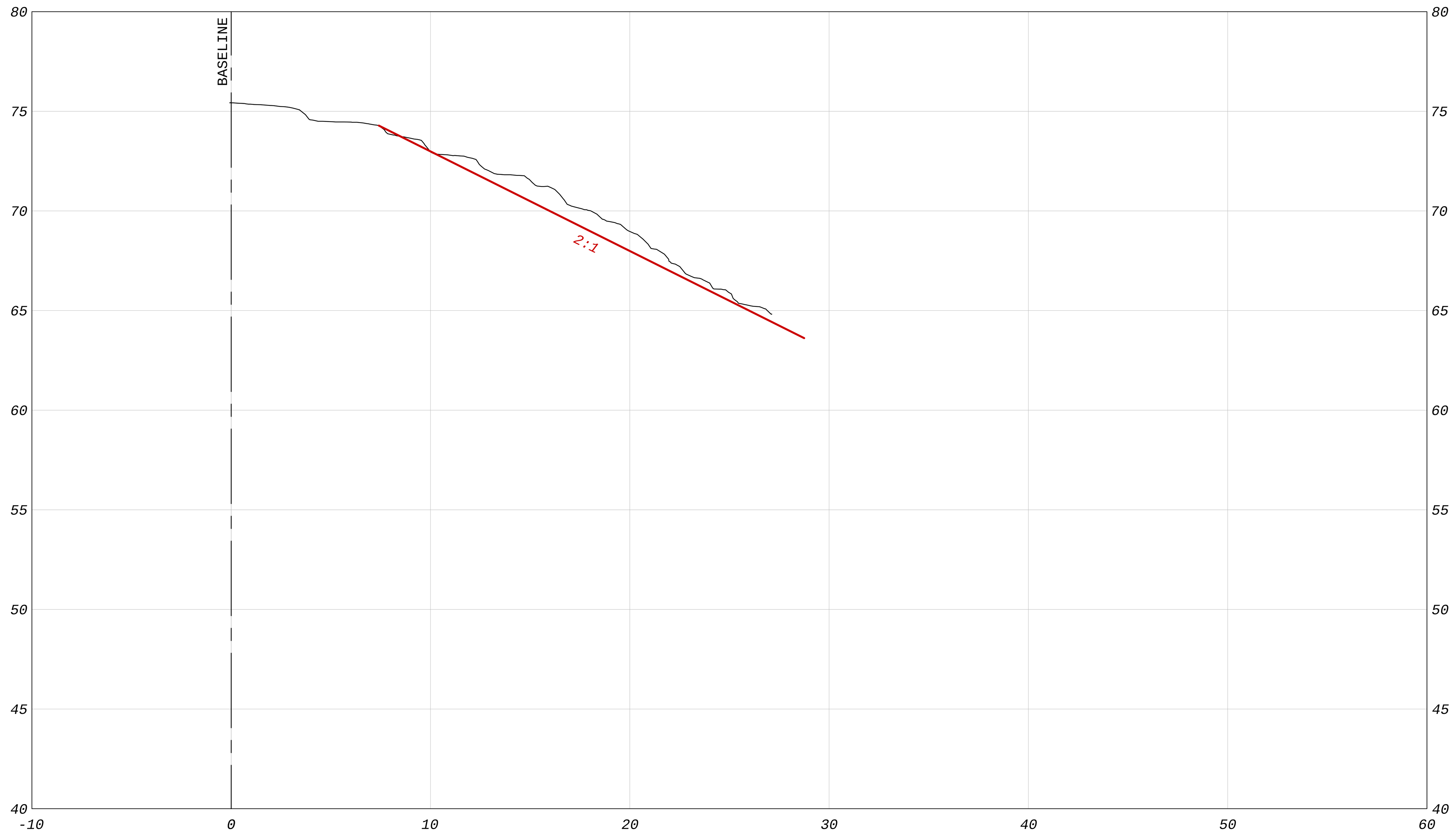
CROSS SECTIONS
STA 8+00 TO STA 20+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

1



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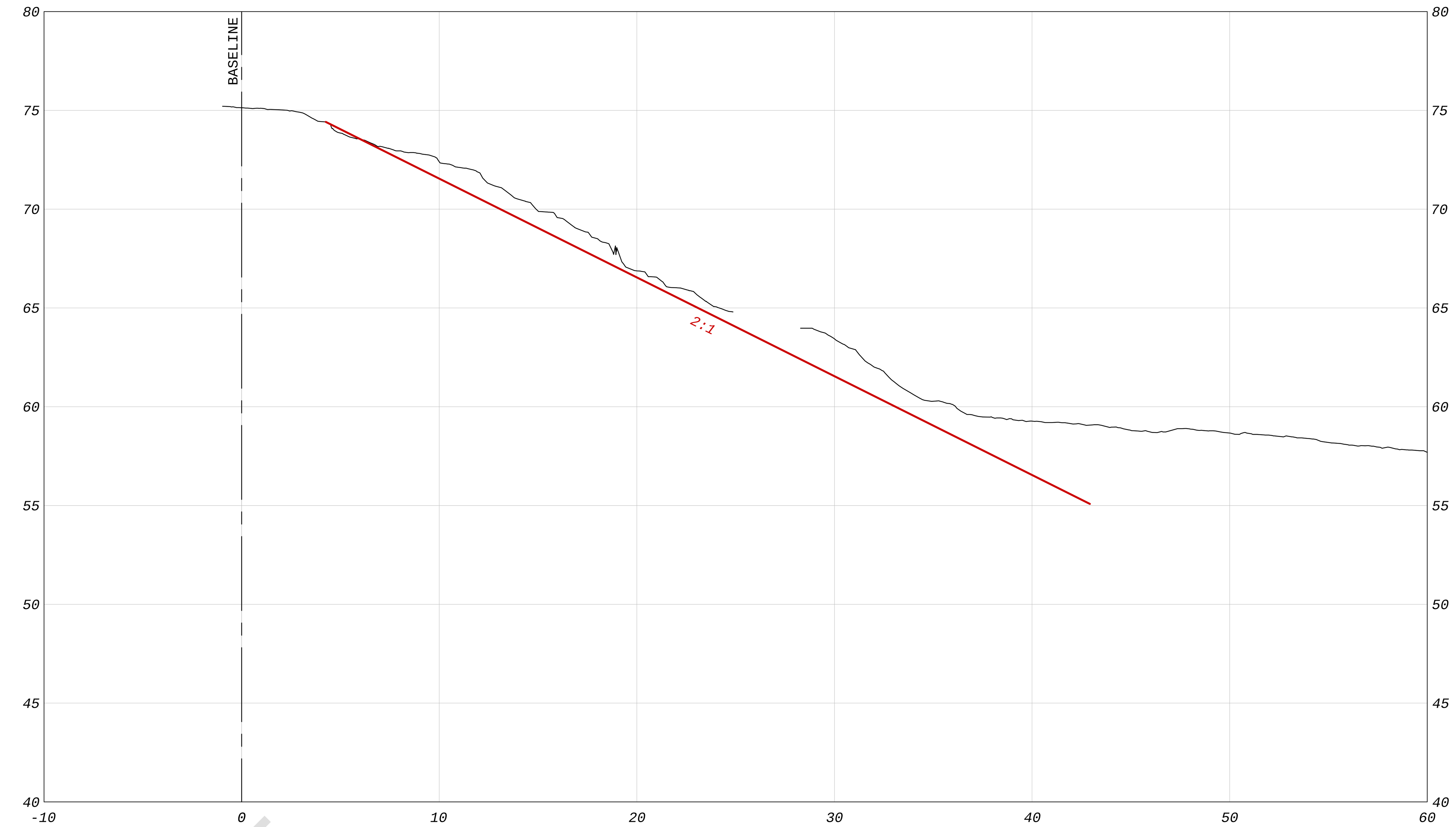

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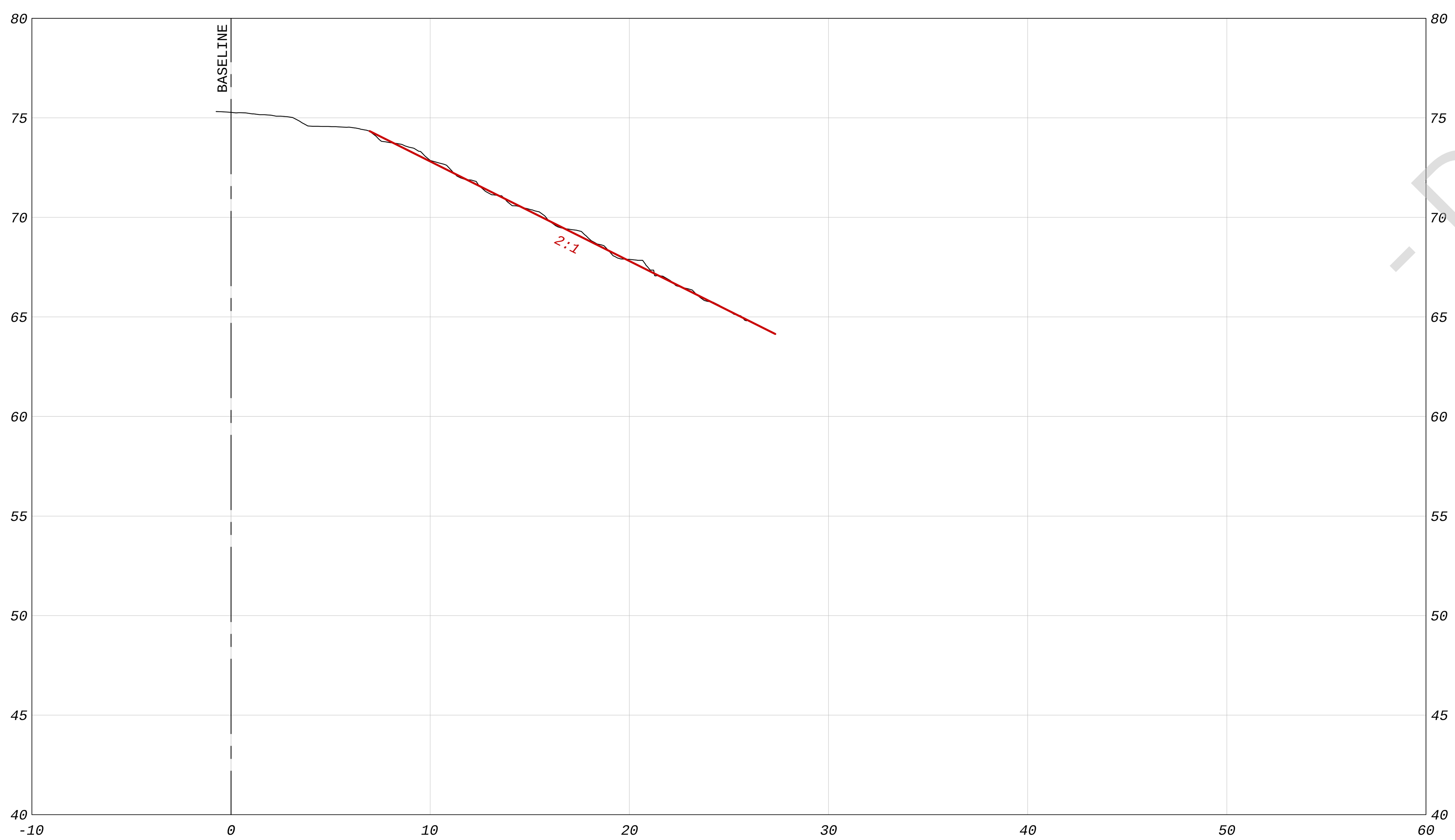

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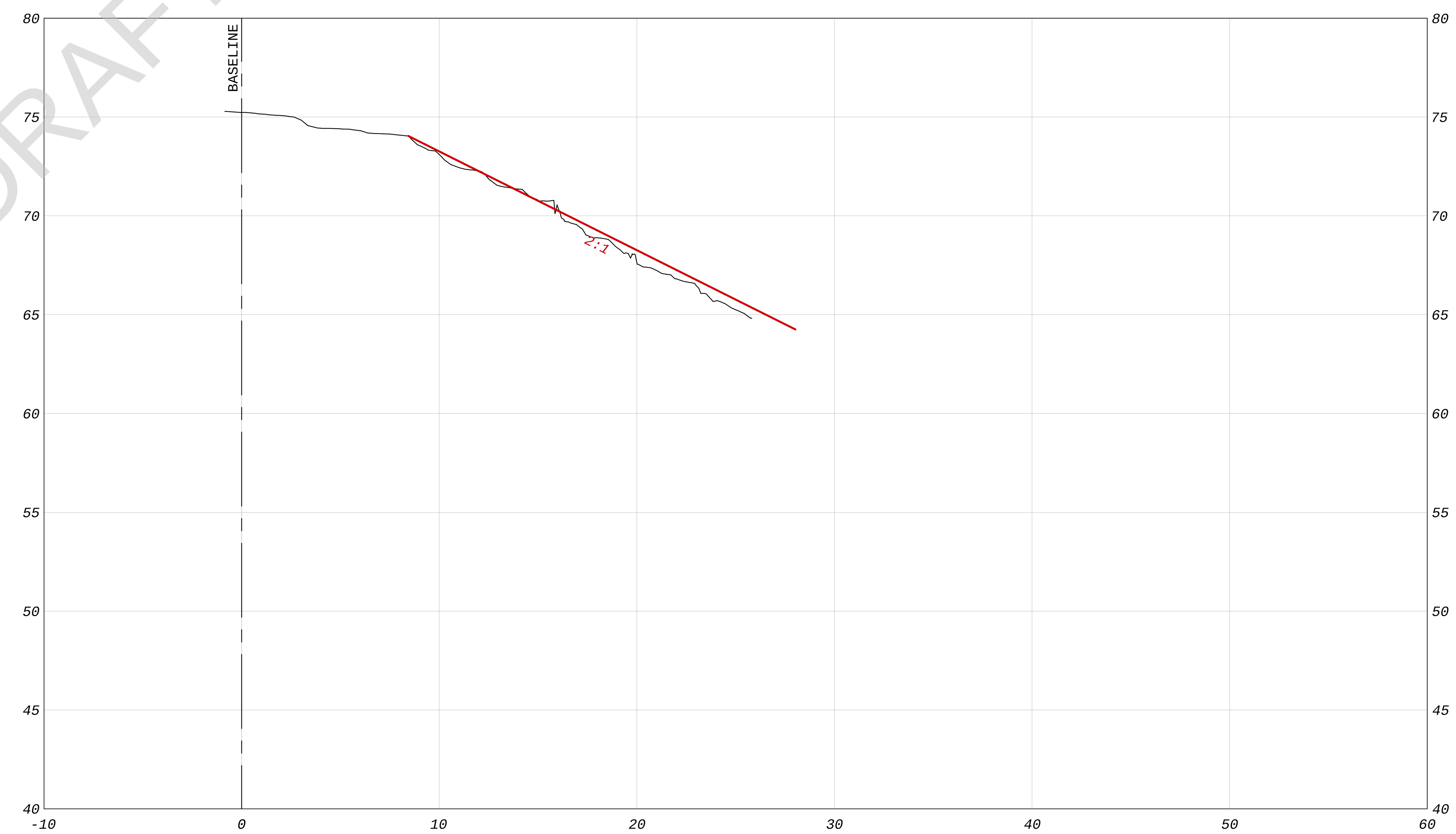

32+00

- DRAFT -

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)
5
5

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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

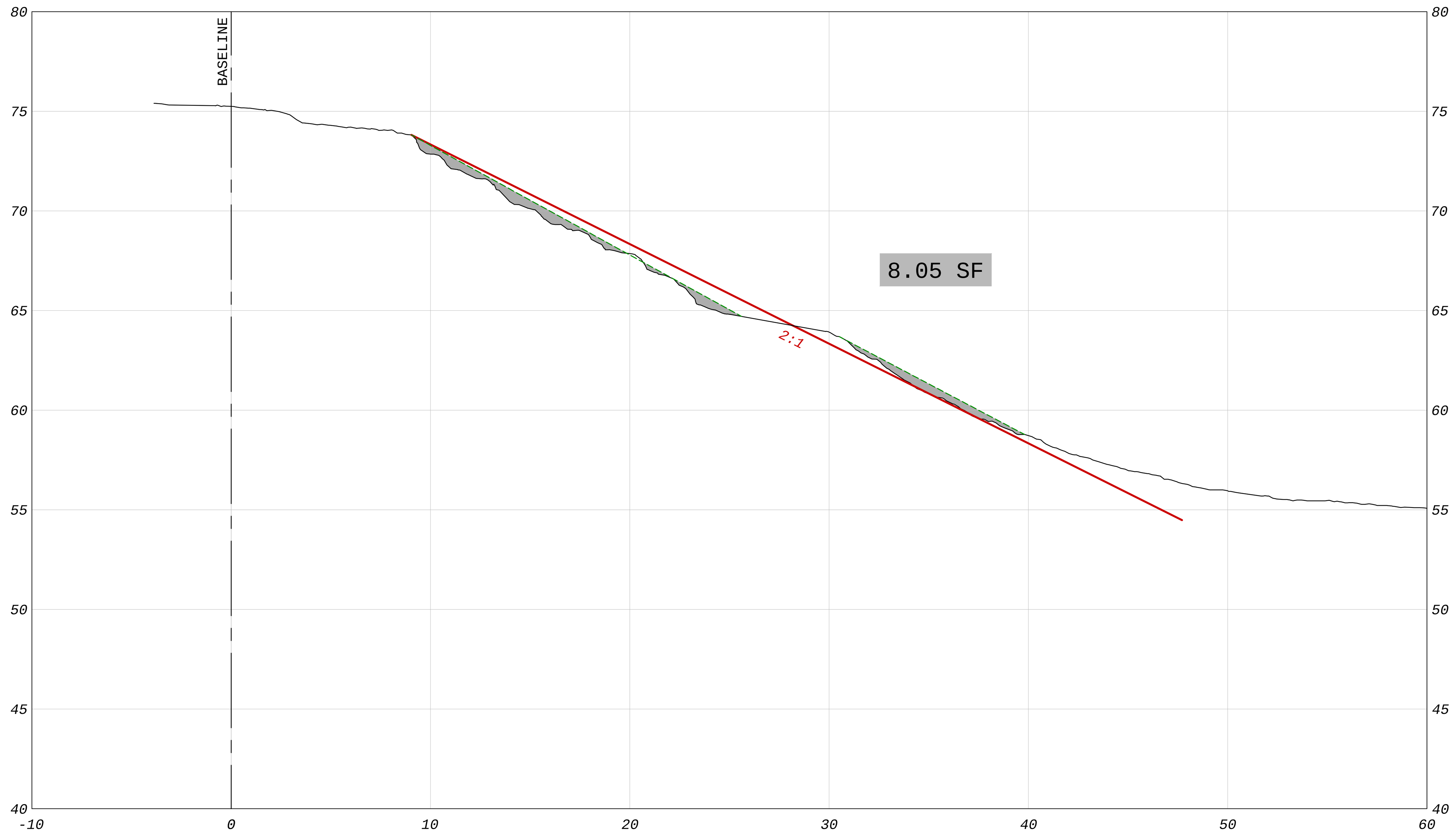
CROSS SECTIONS
STA 24+00 TO STA 36+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

2



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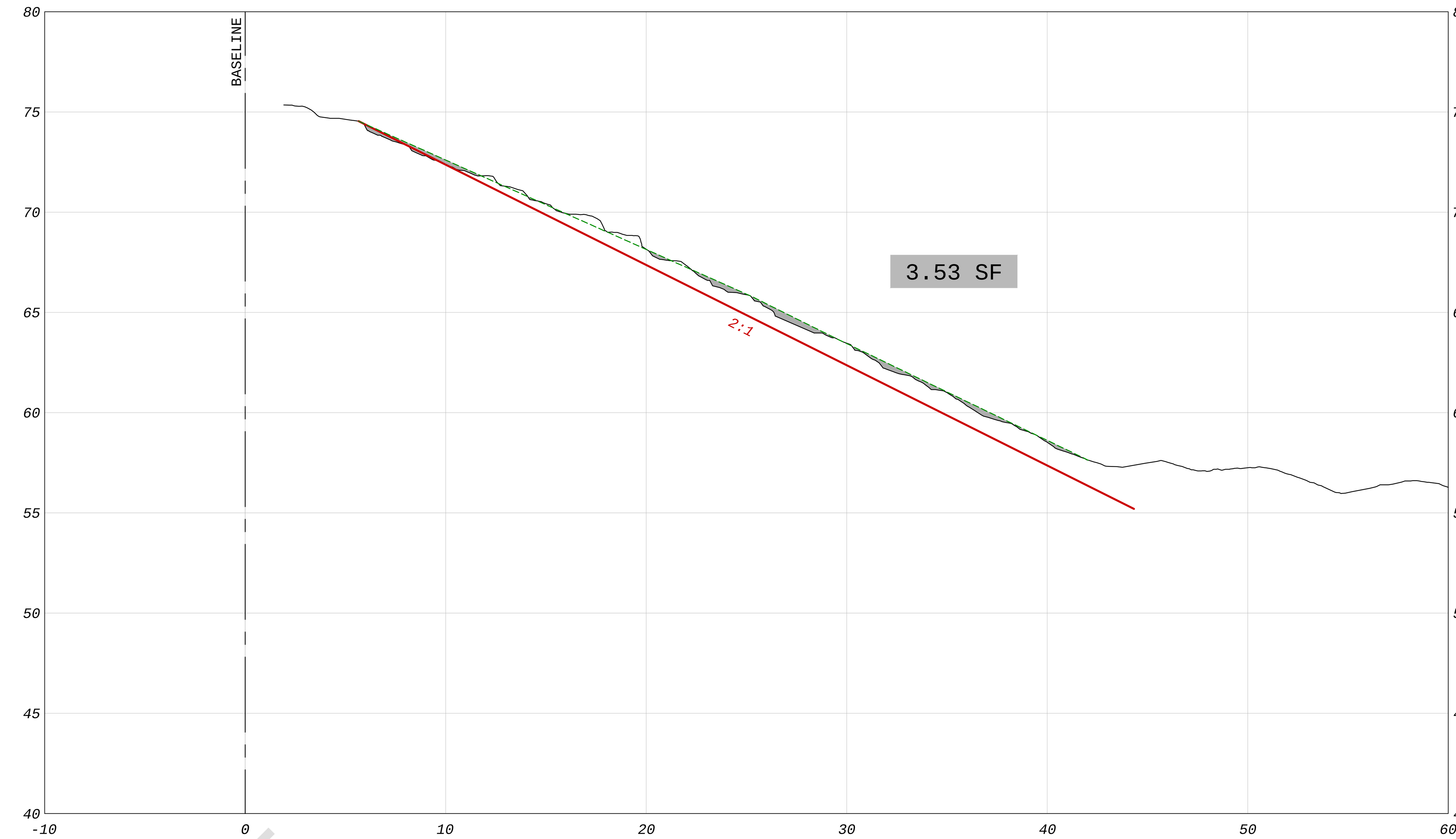

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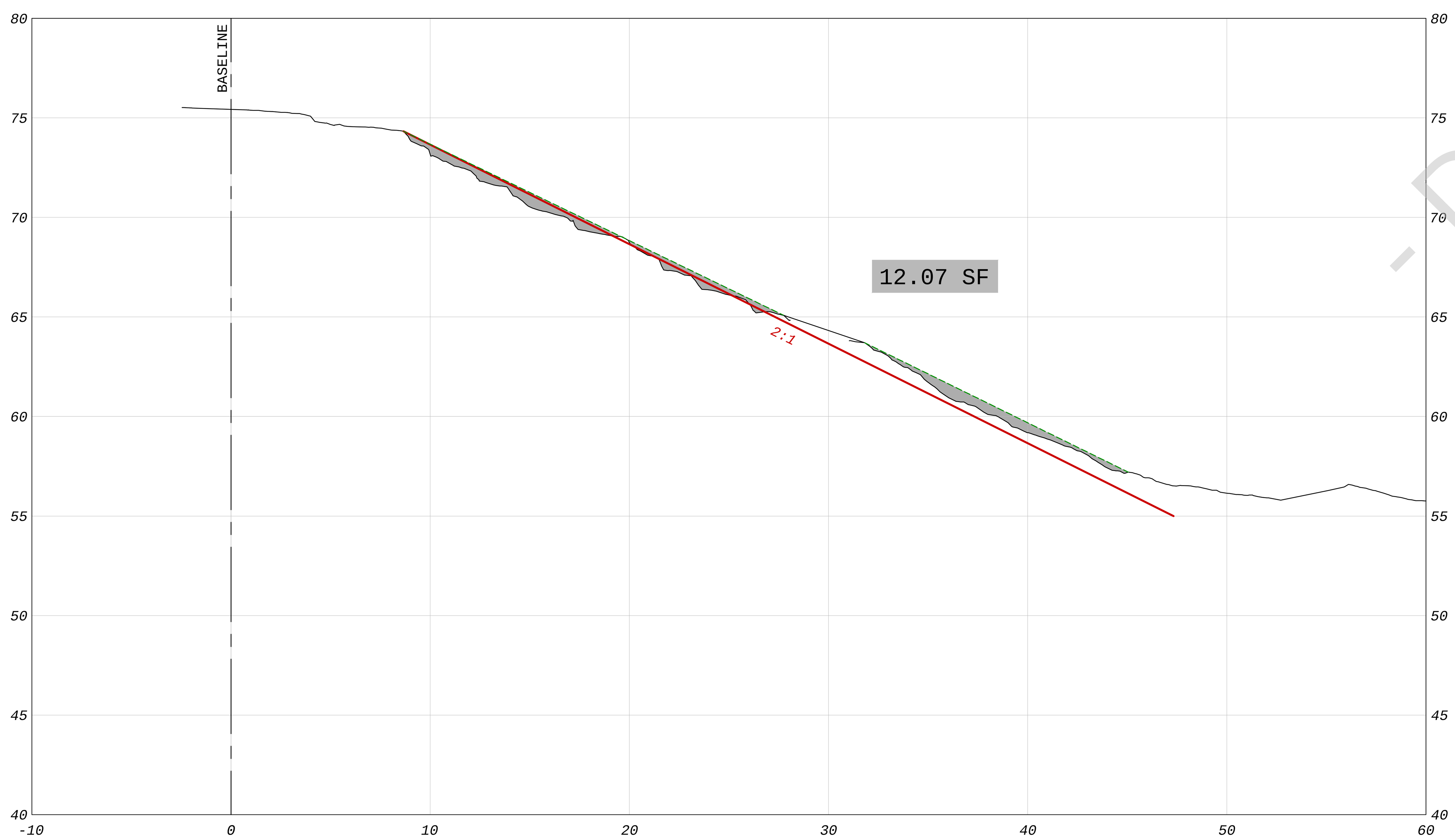

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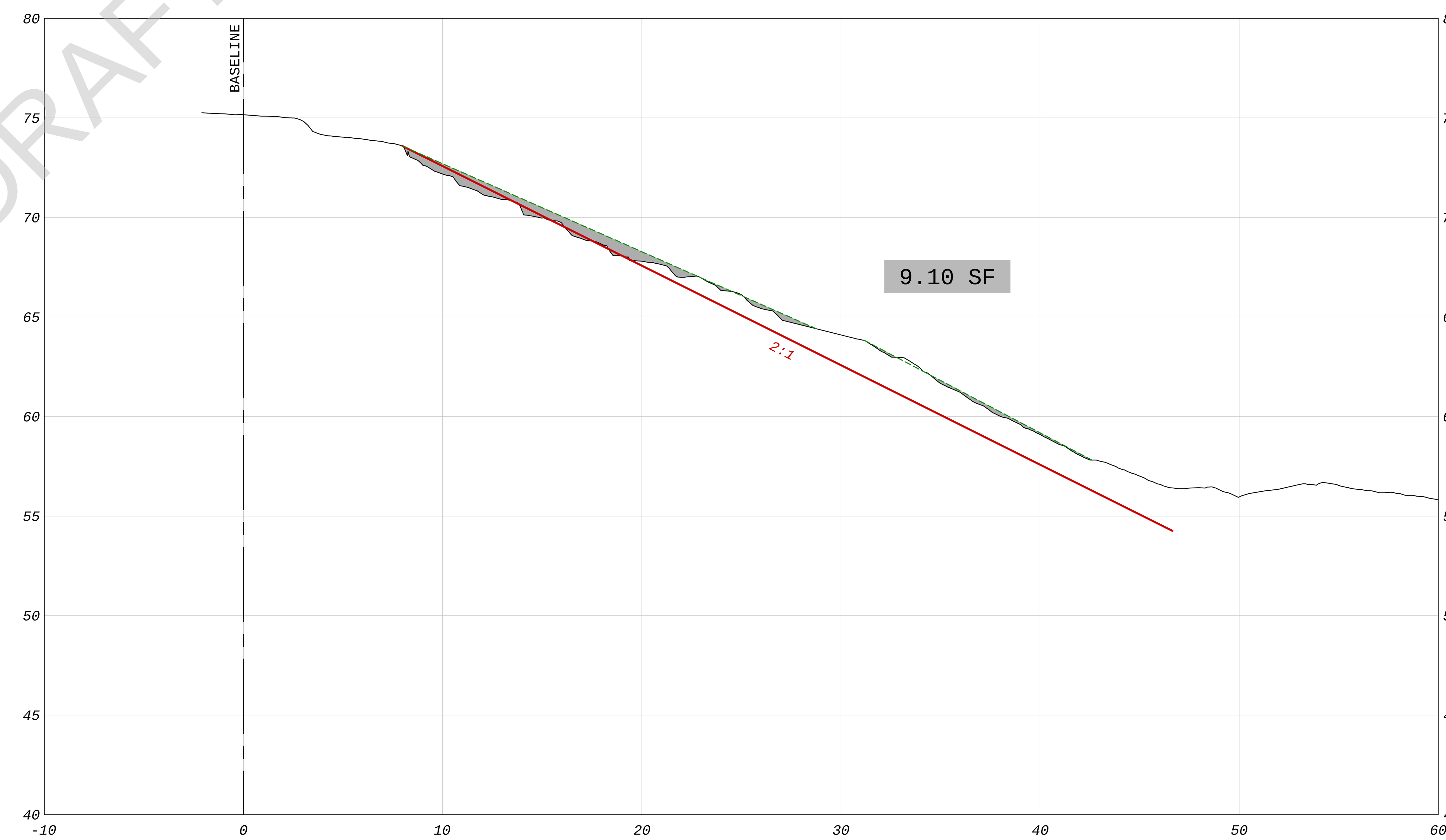

48+00

- DRAFT -

LEGEND

——	EXISTING GRADE
——	ORIGINAL DESIGN SLOPE
- - -	PROJECTED SLOPE ALONG HIGH POINT OF STEPS
▬	AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

REVISION | DATE | NO.

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Amec Foster Wheeler Environment & Infrastructure, Inc.
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Phone: 1.863.667.2345 Fax: 1.863.667.2667
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 40+00 TO STA 52+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

3

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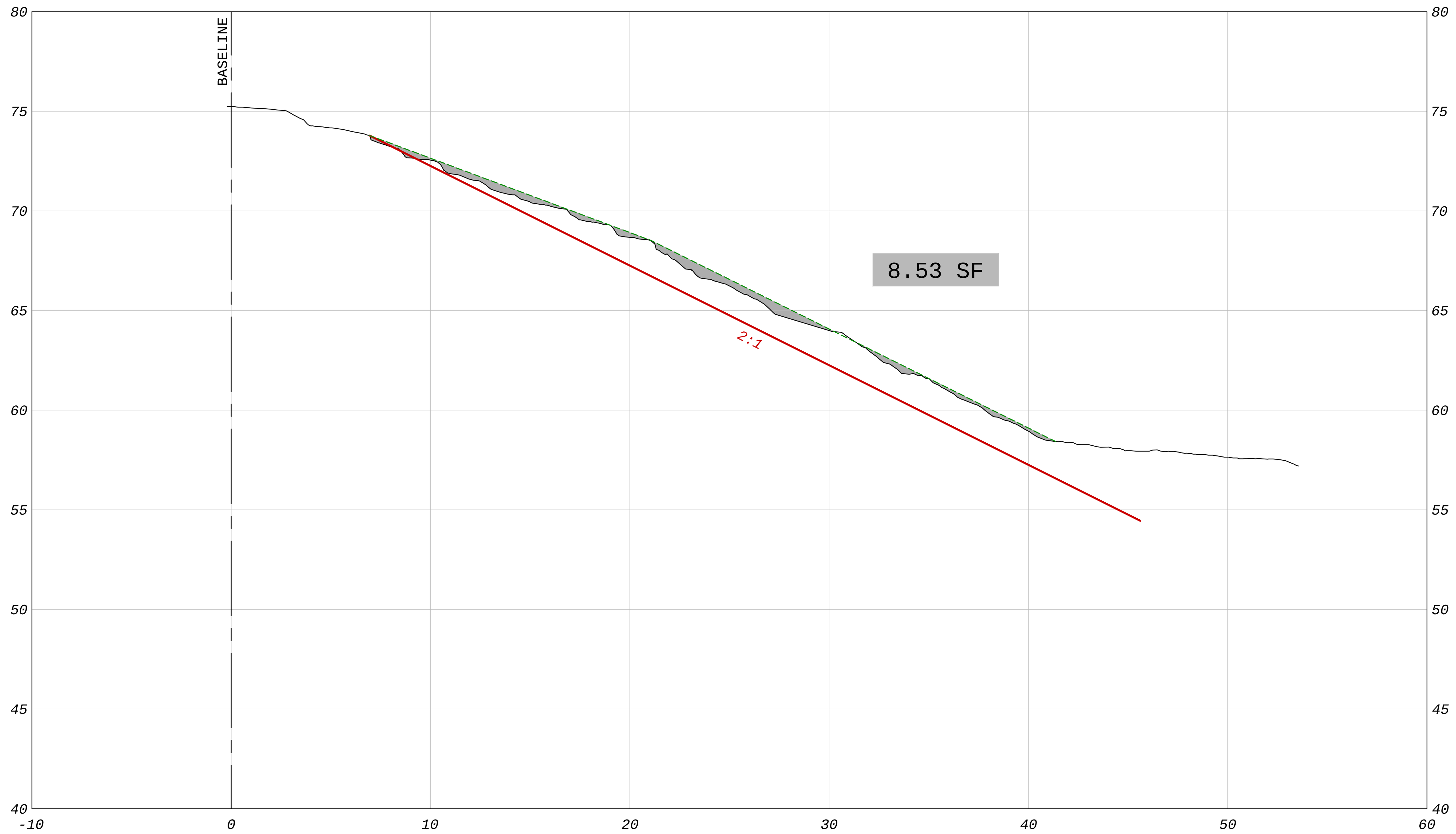

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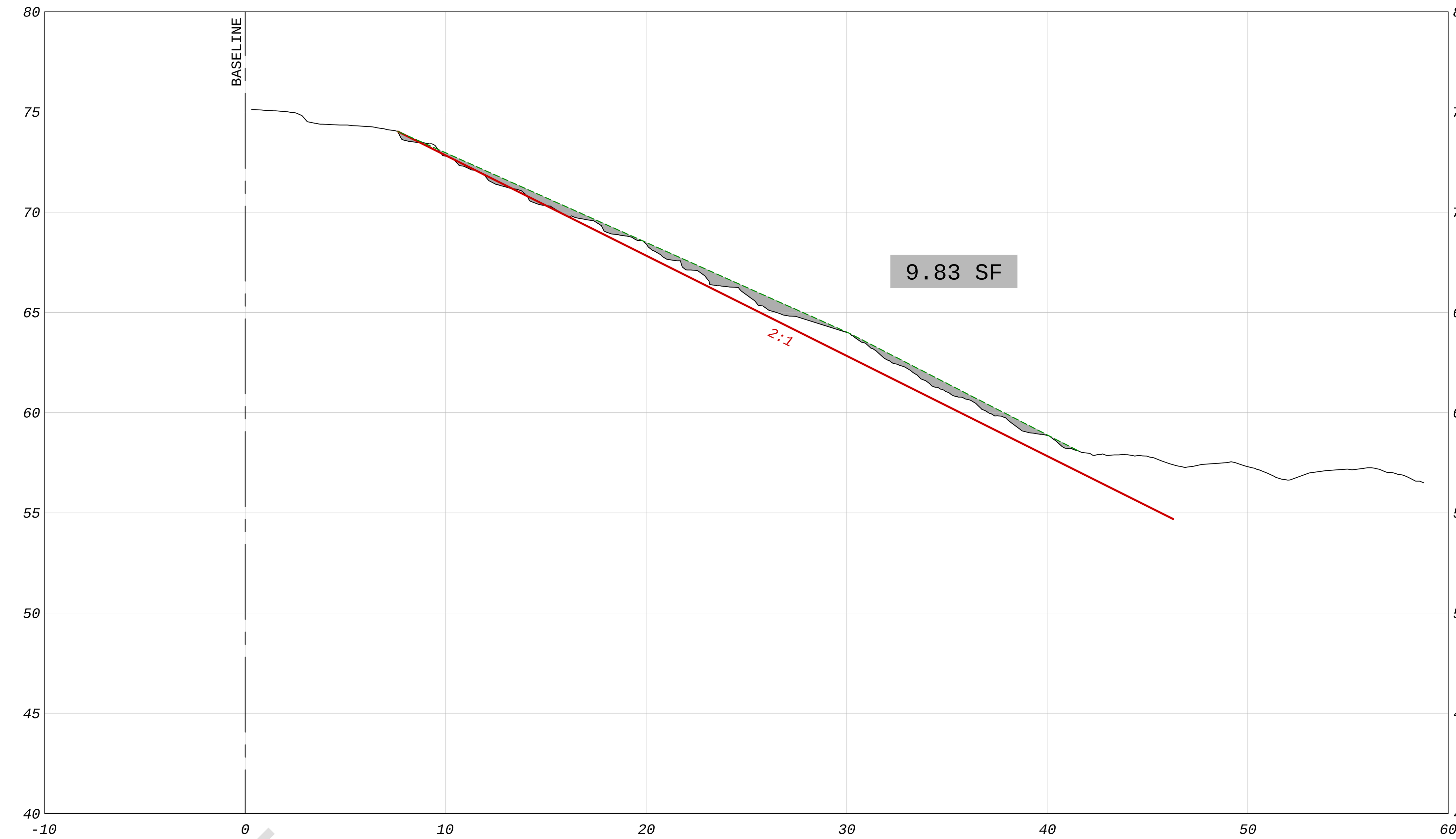

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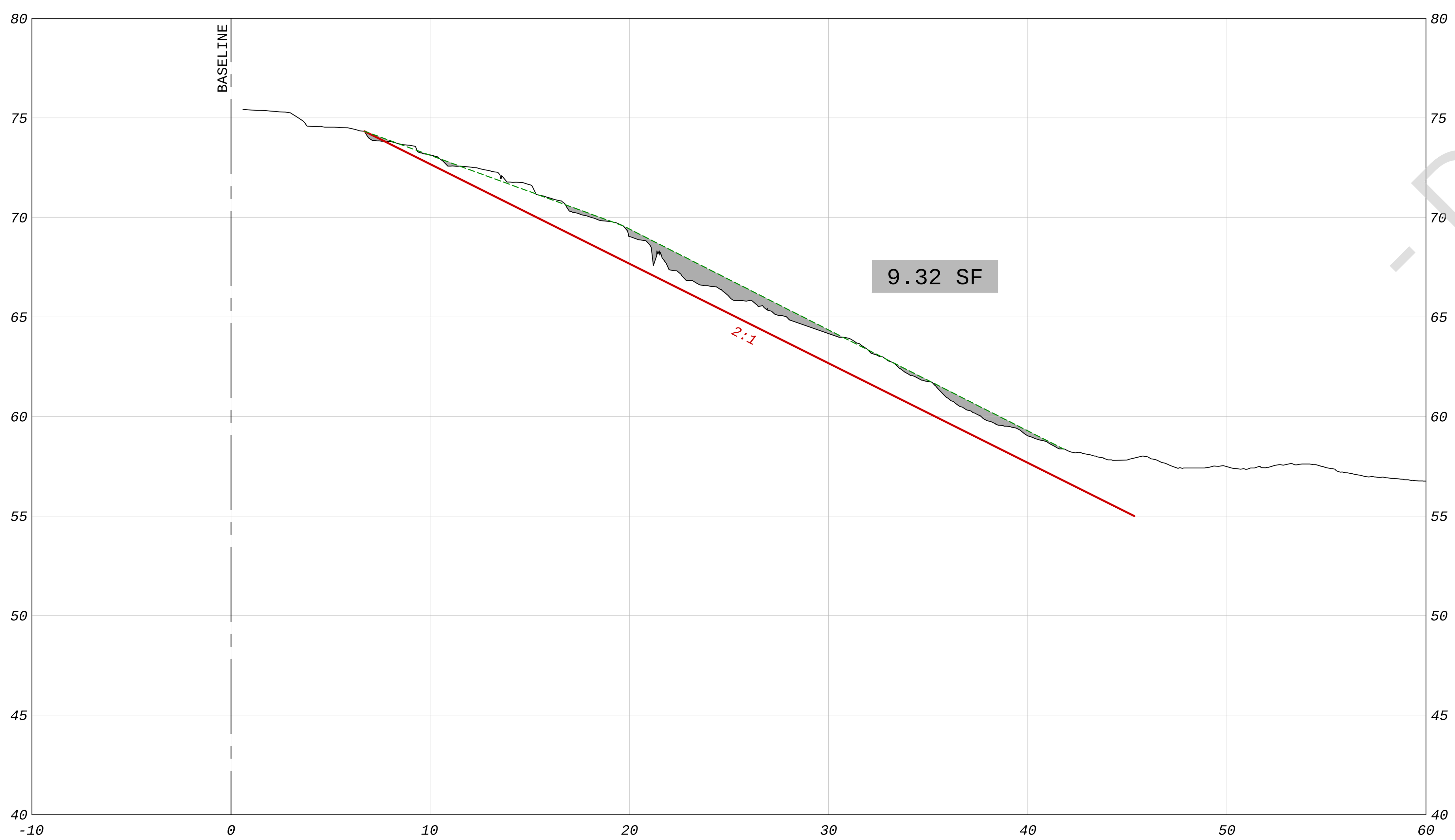

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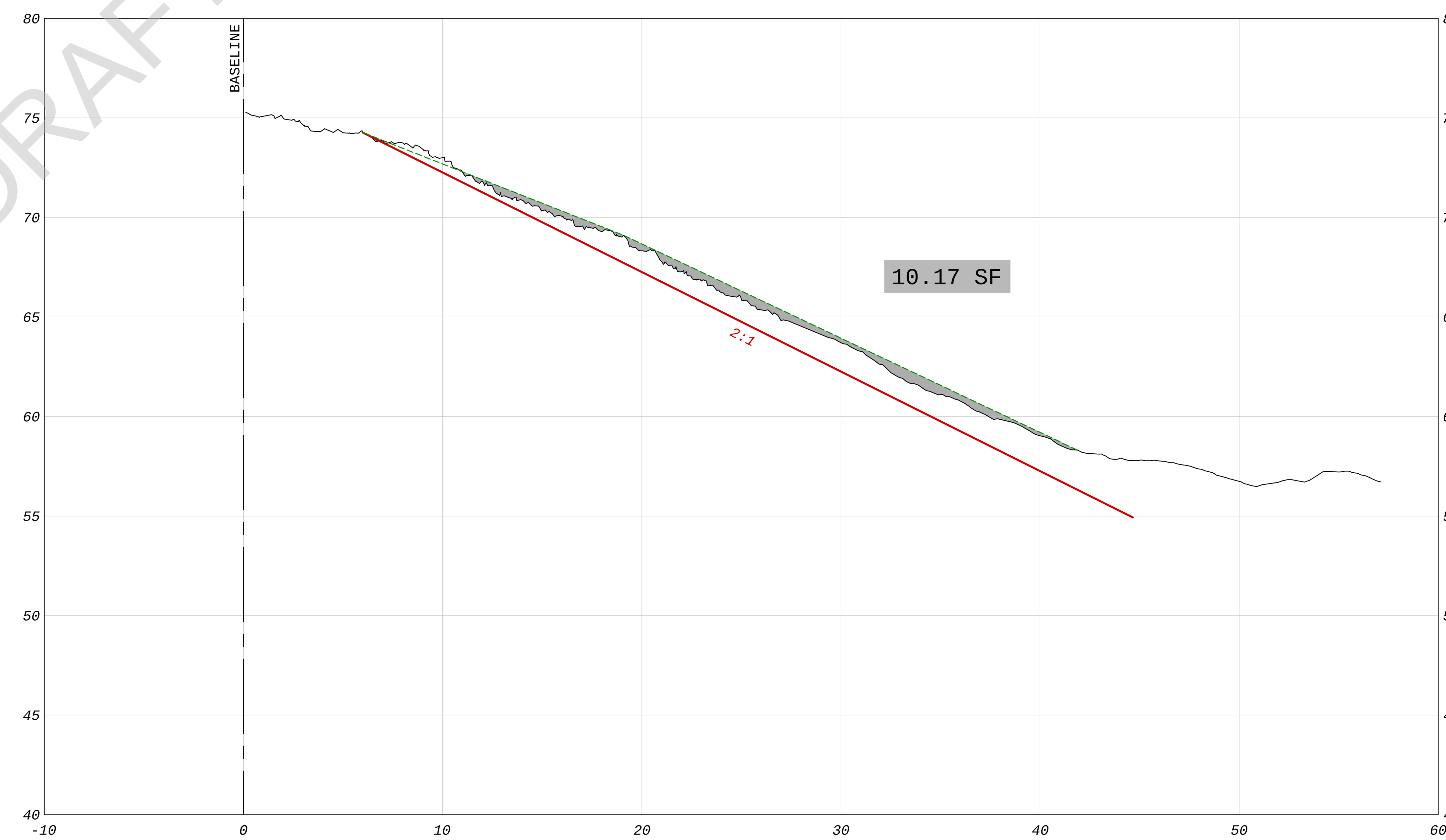

64+00

- DRAFT -

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 56+00 TO STA 68+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

4

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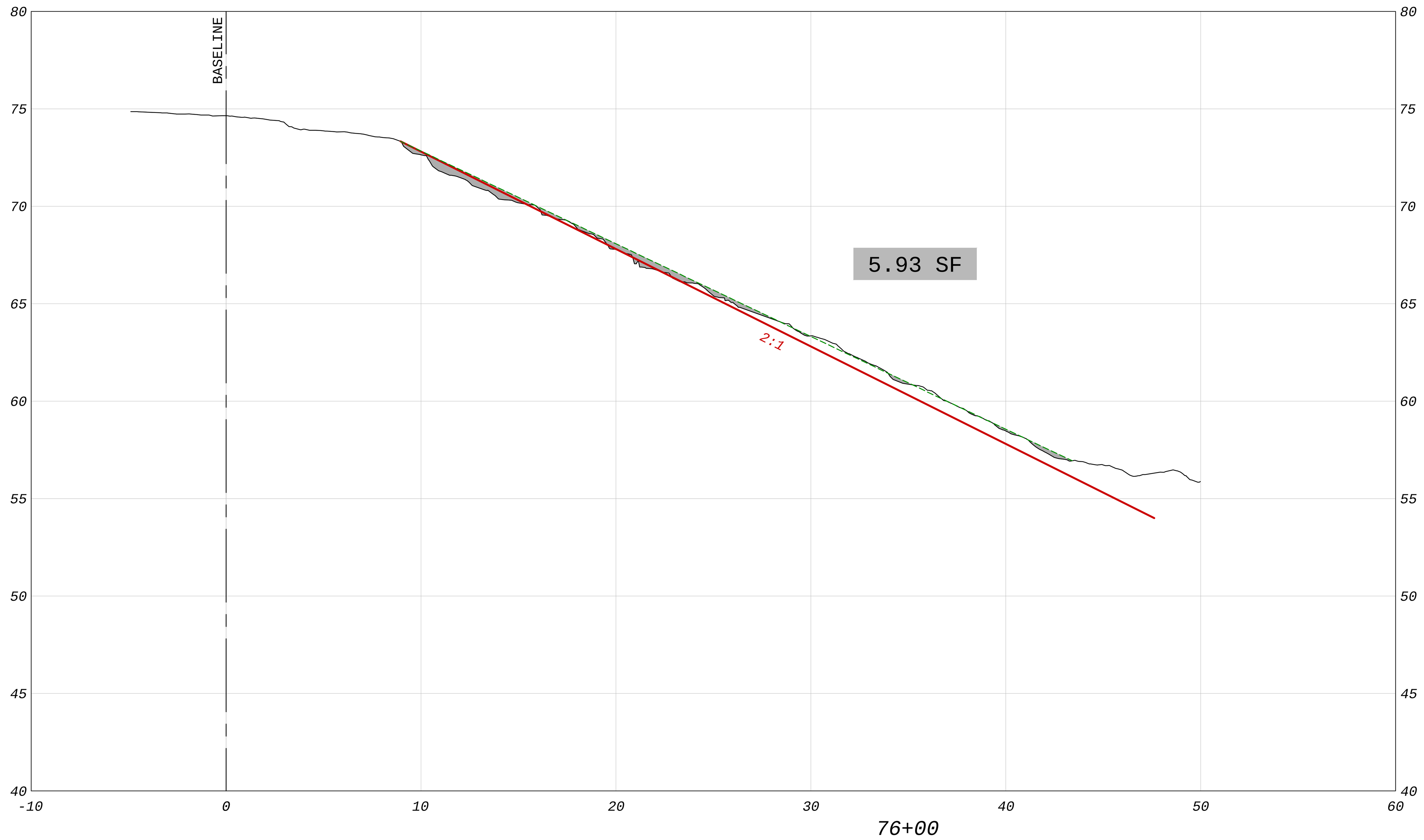

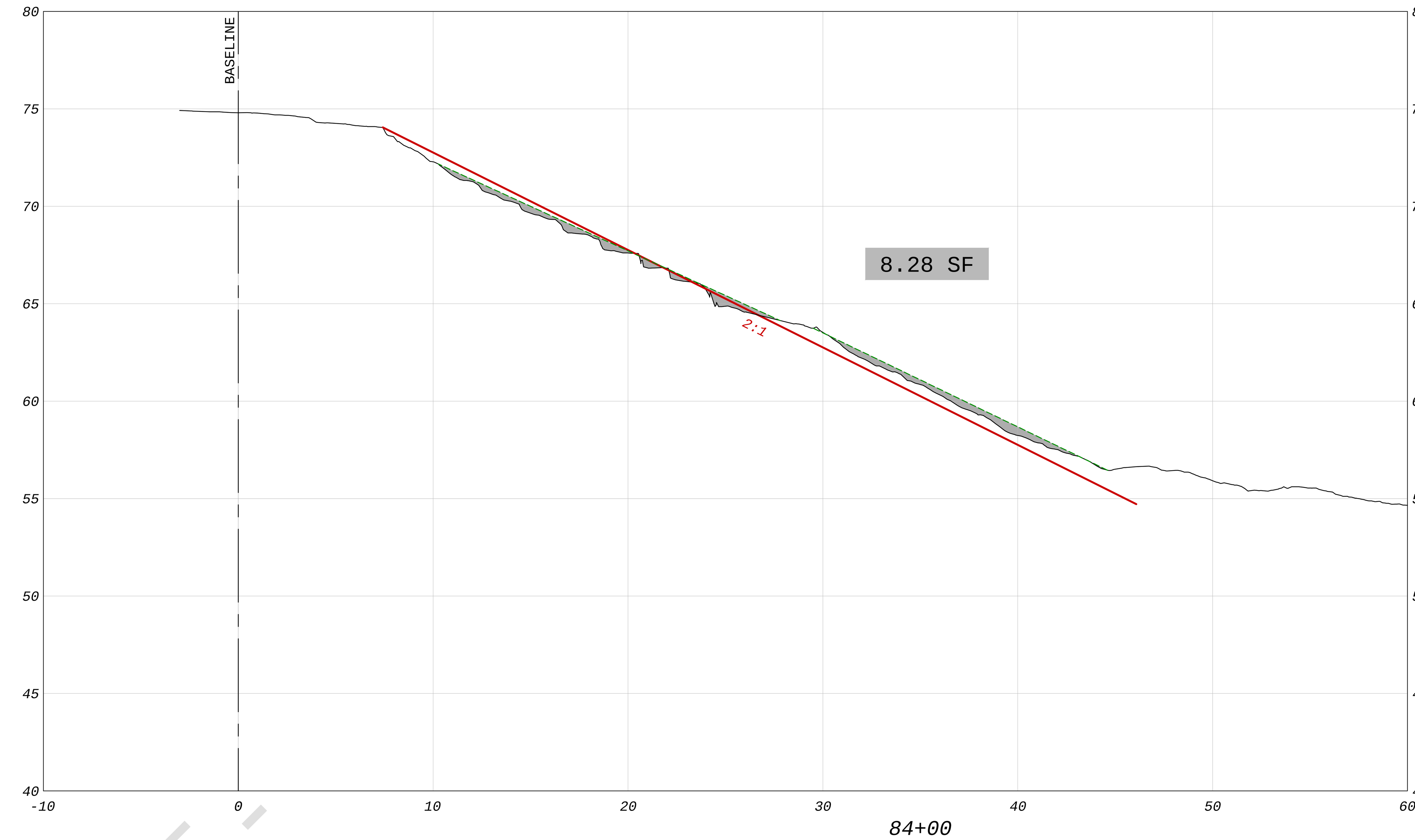

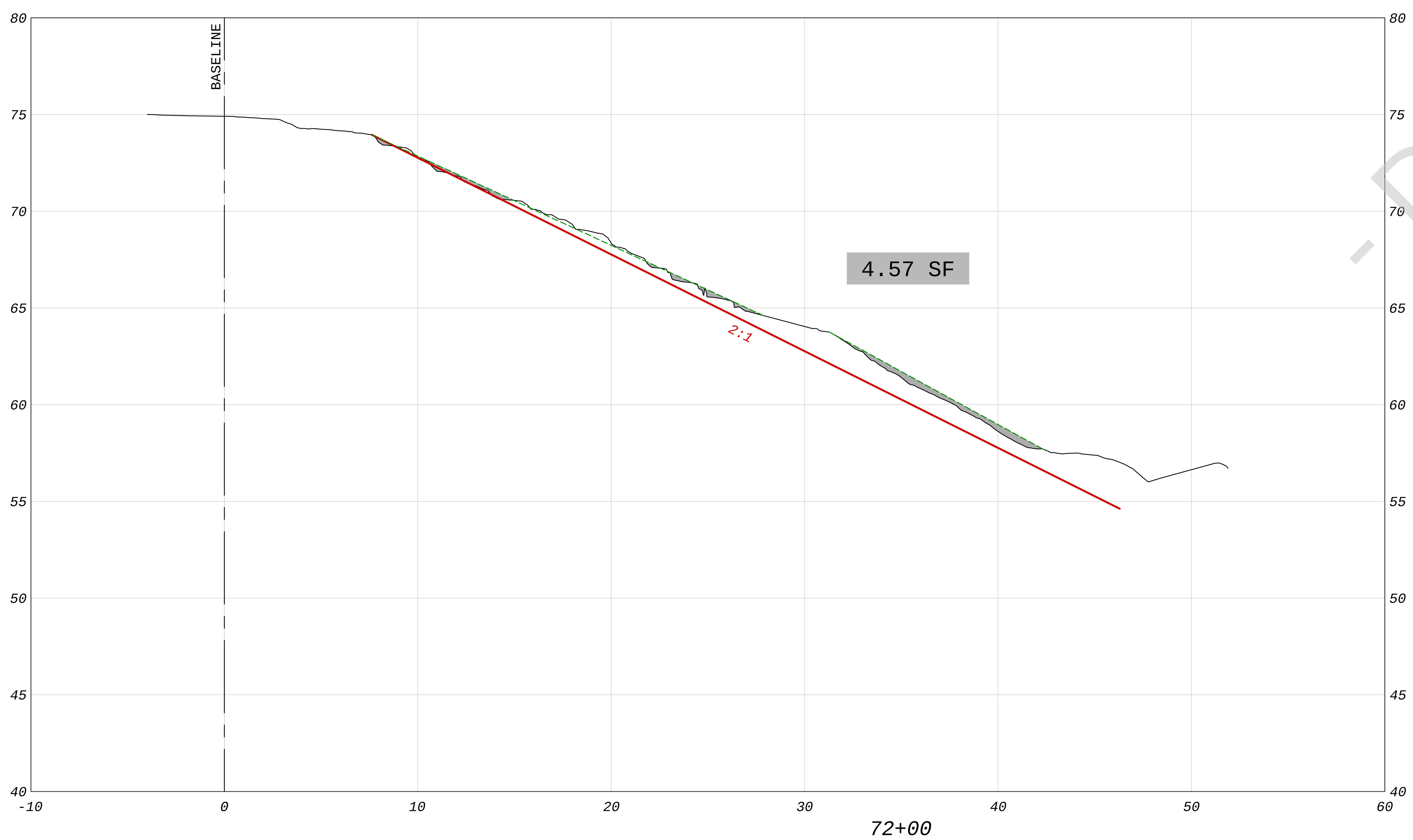

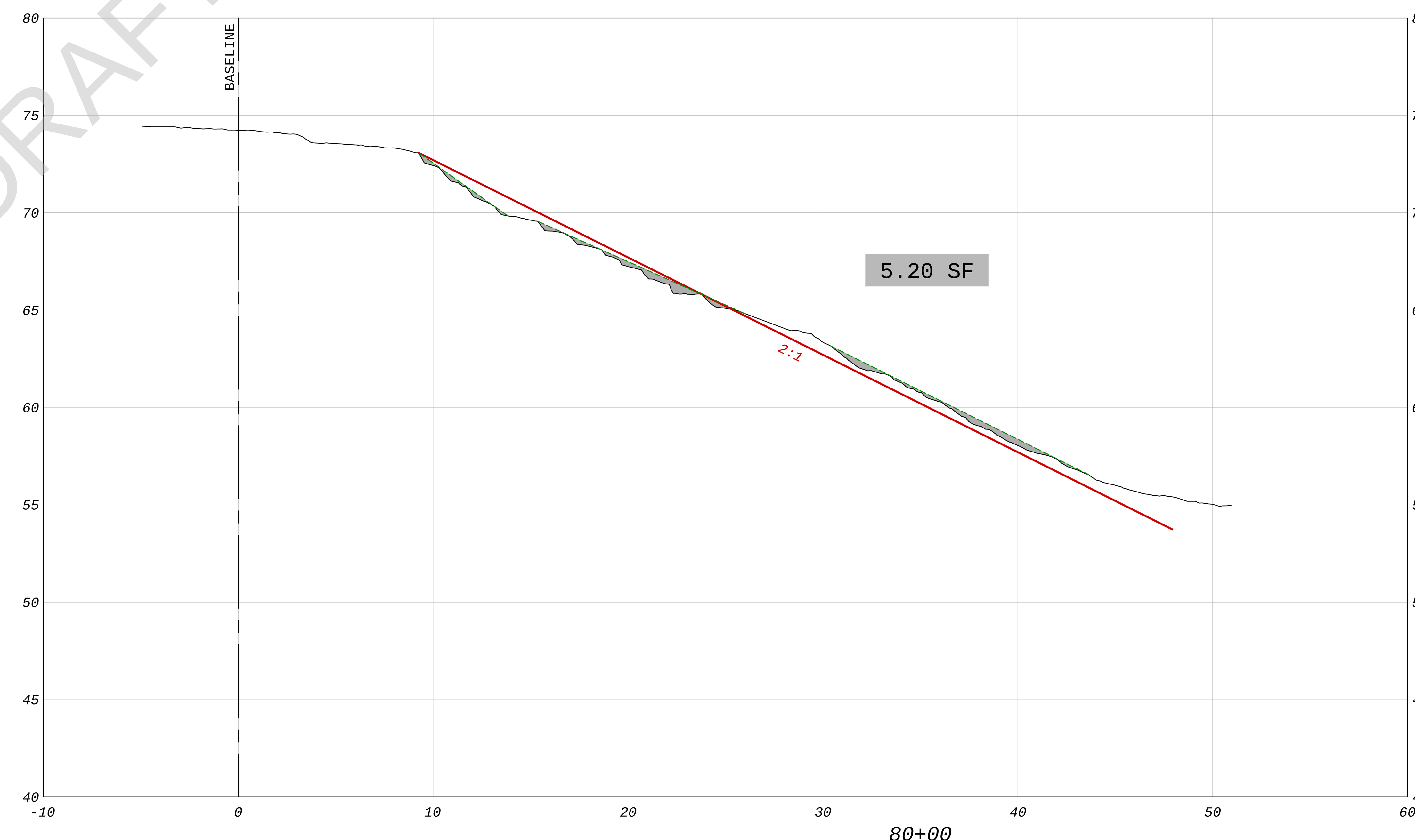

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LEGEND

——	EXISTING GRADE
——	ORIGINAL DESIGN SLOPE
- - -	PROJECTED SLOPE ALONG HIGH POINT OF STEPS
▇	AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES COMBINED LIDAR & SONAR; APRIL 2015

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Amec Foster Wheeler
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 72+00 TO STA 84+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

5

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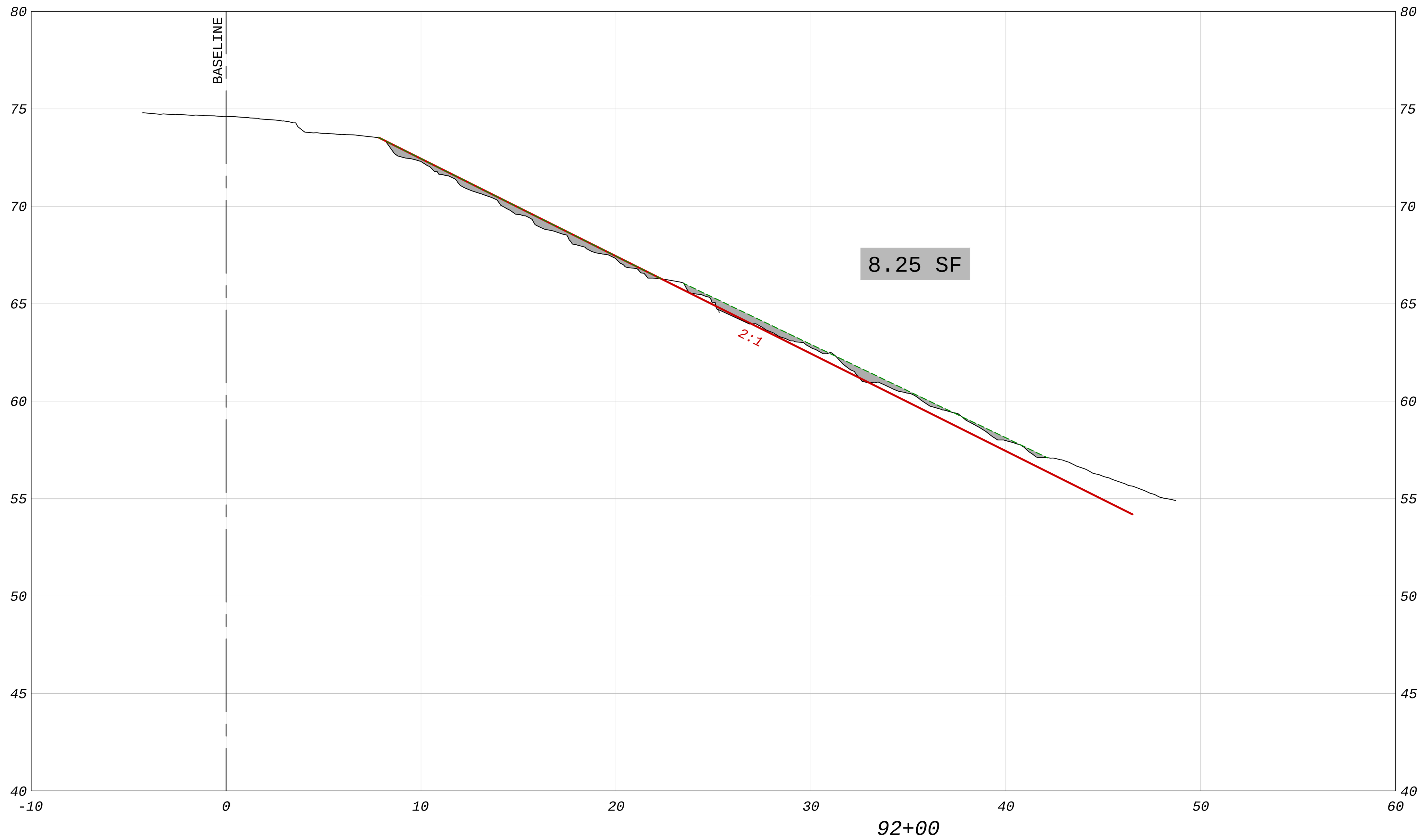

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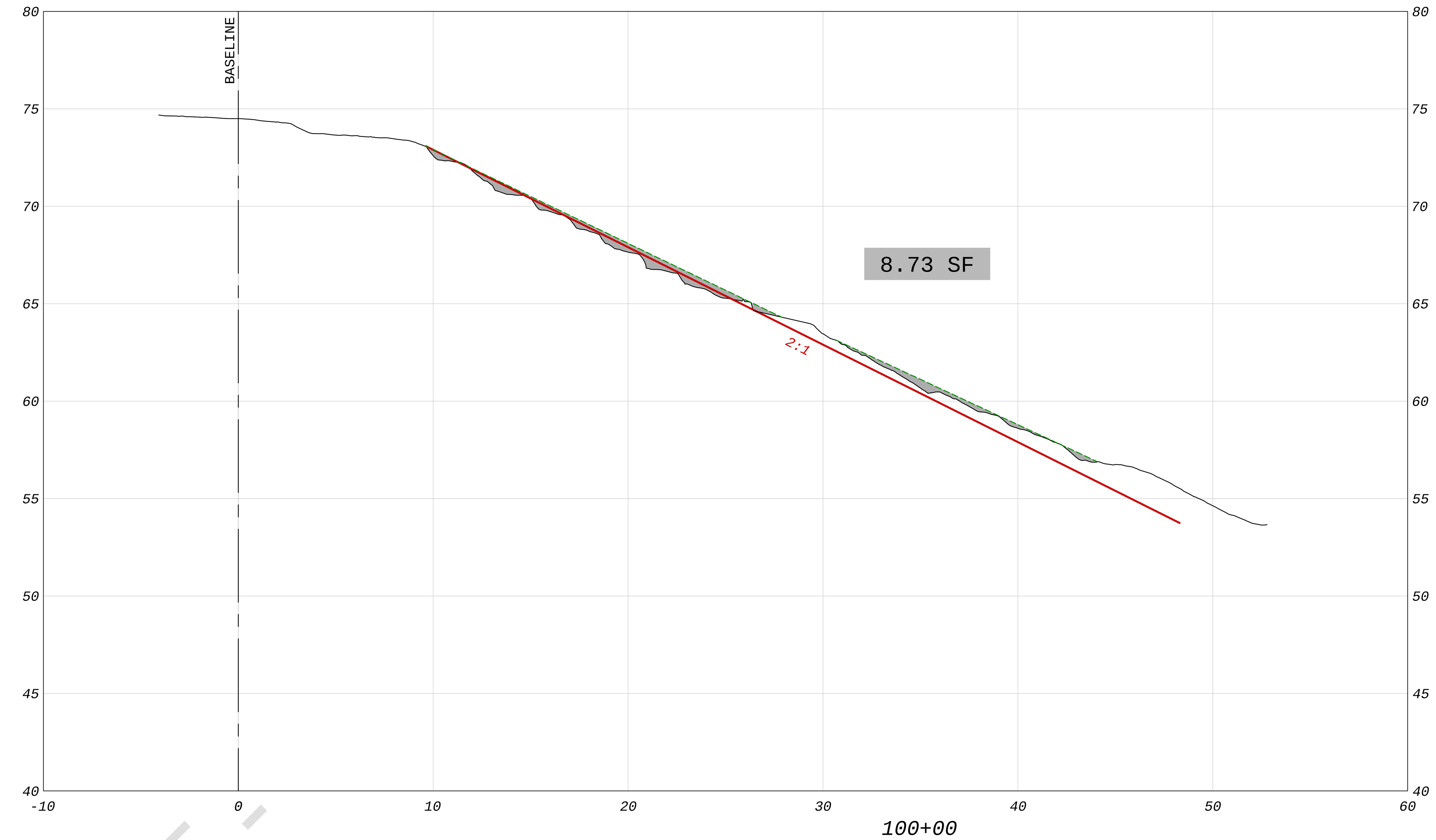

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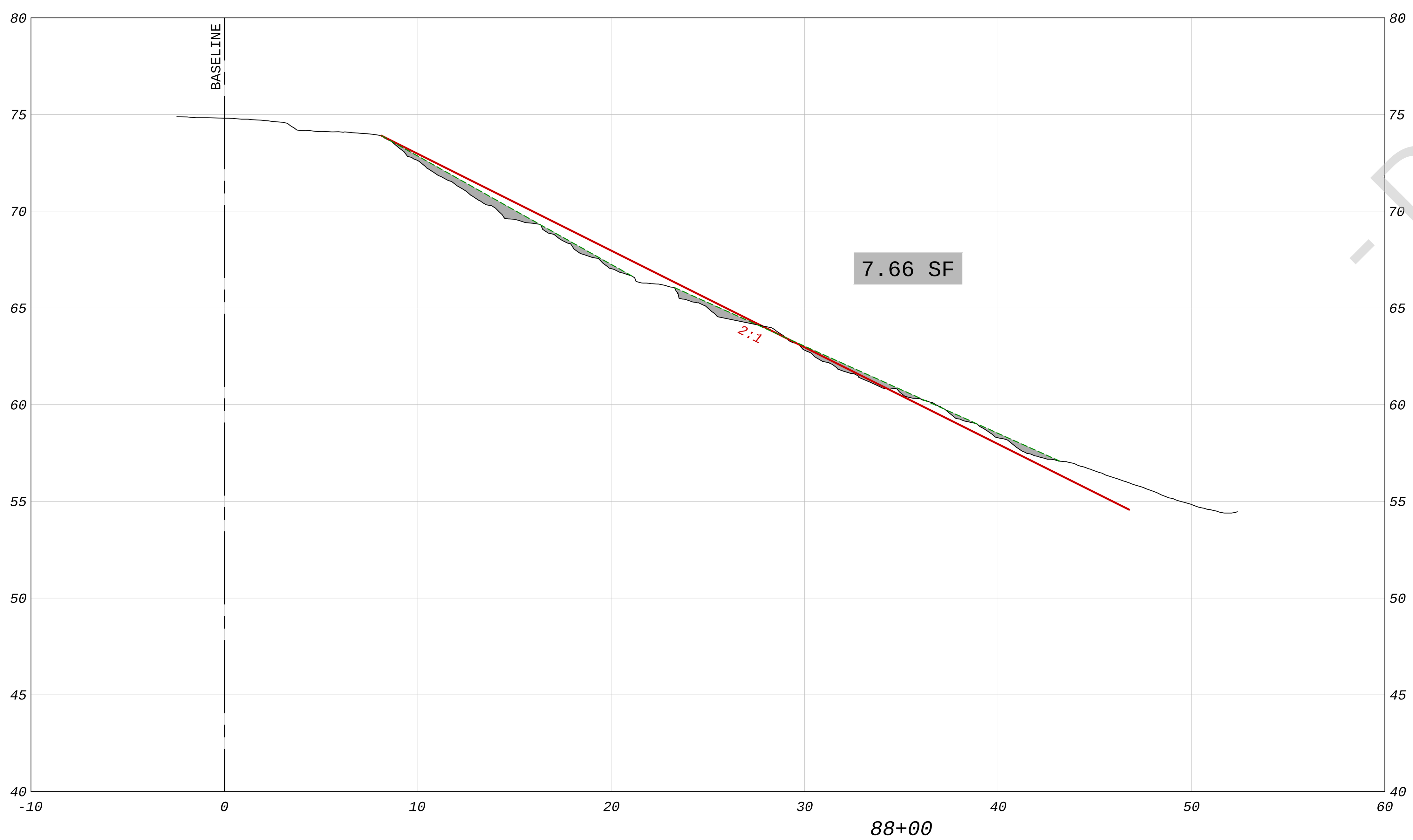

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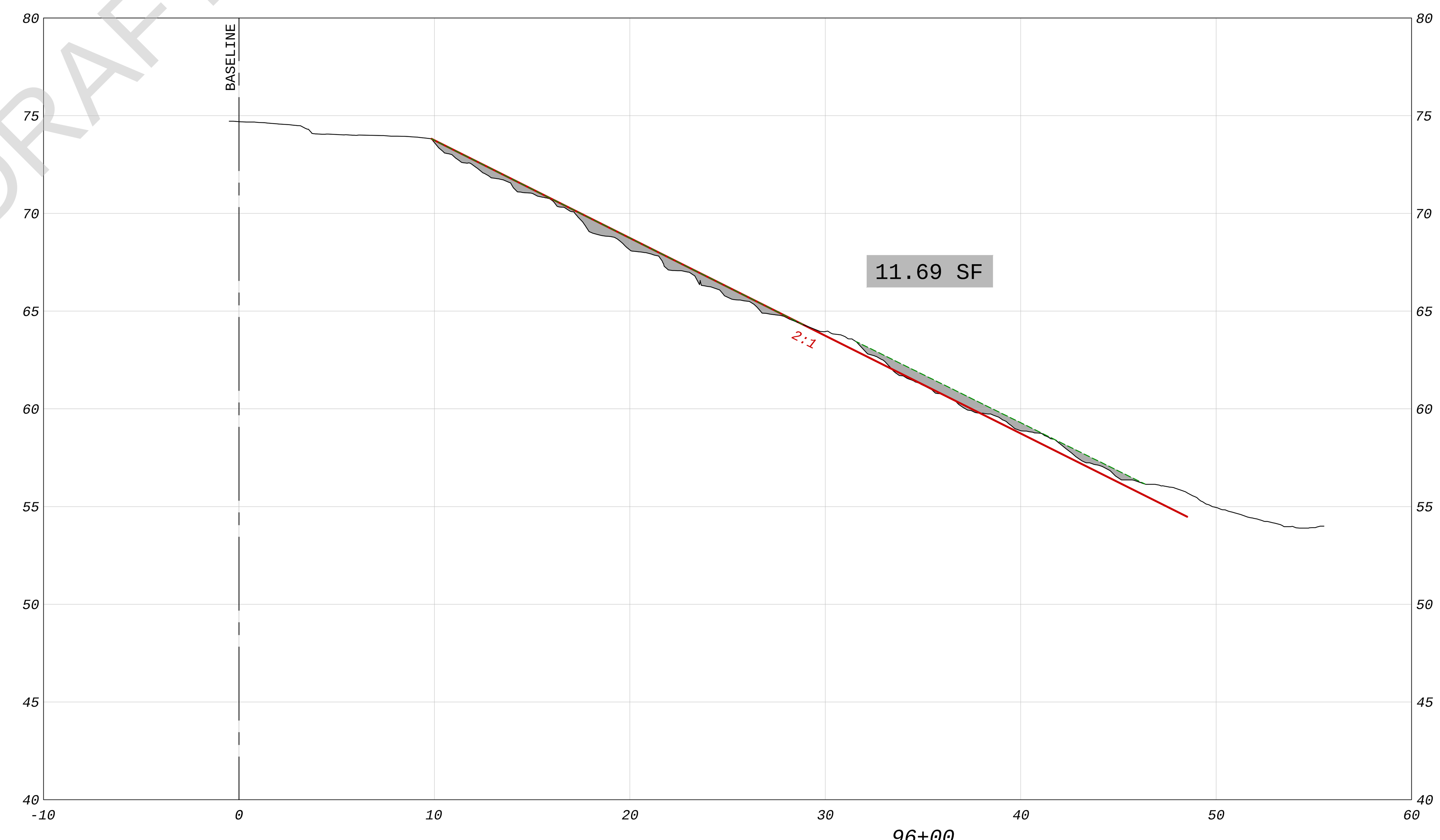

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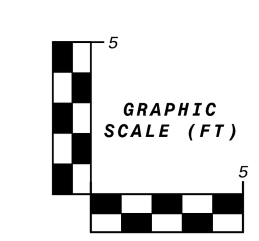
- DRAFT -

LEGEND

EXISTING GRADE
ORIGINAL DESIGN SLOPE
PROJECTED SLOPE ALONG HIGH POINT OF STEPS
AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015



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REVISION	DATE	NO.

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Phone: 1.863.667.2345 Fax: 1.863.667.2667
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

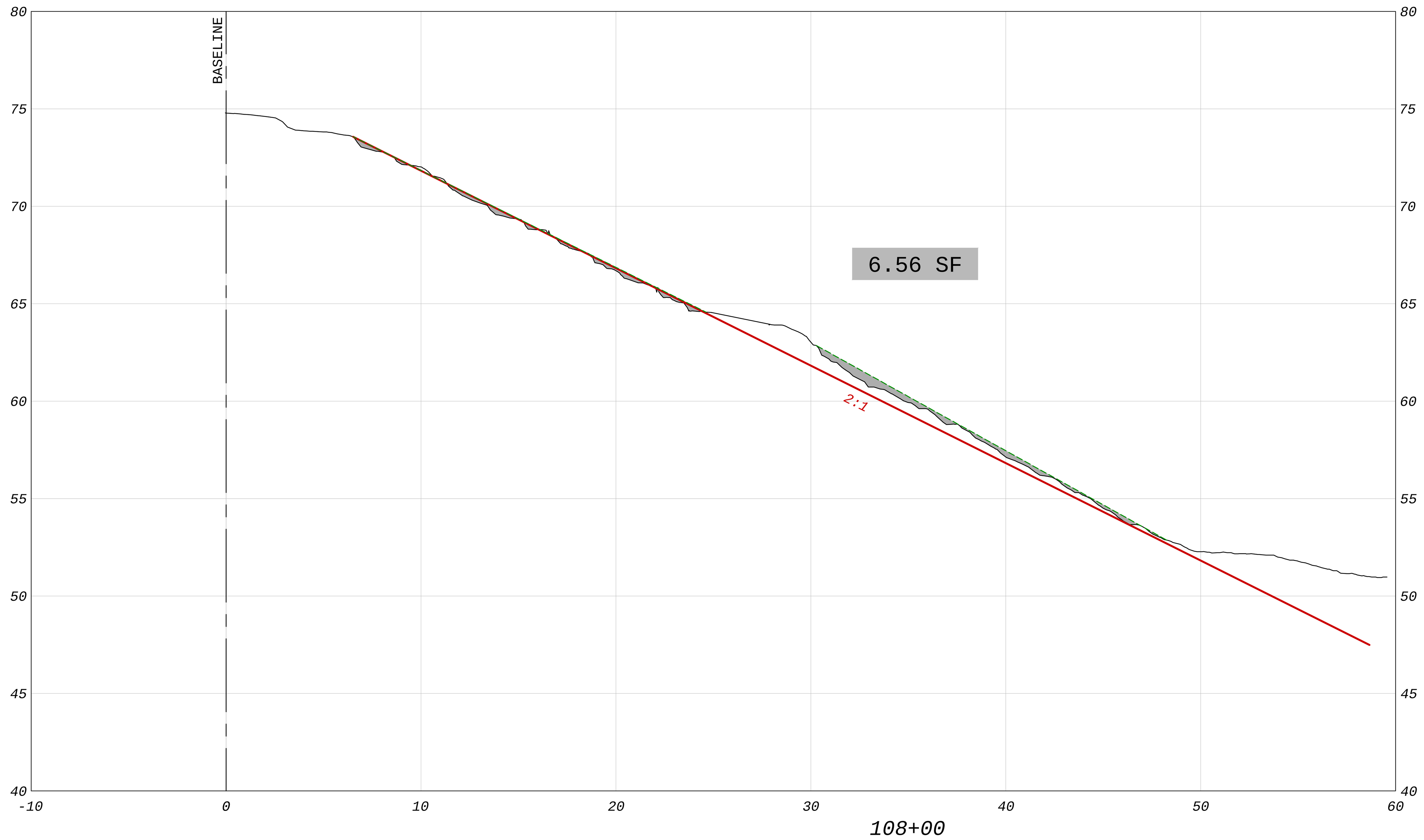
CROSS SECTIONS
STA 88+00 TO STA 100+00
MANATEE COUNTY, FLORIDA

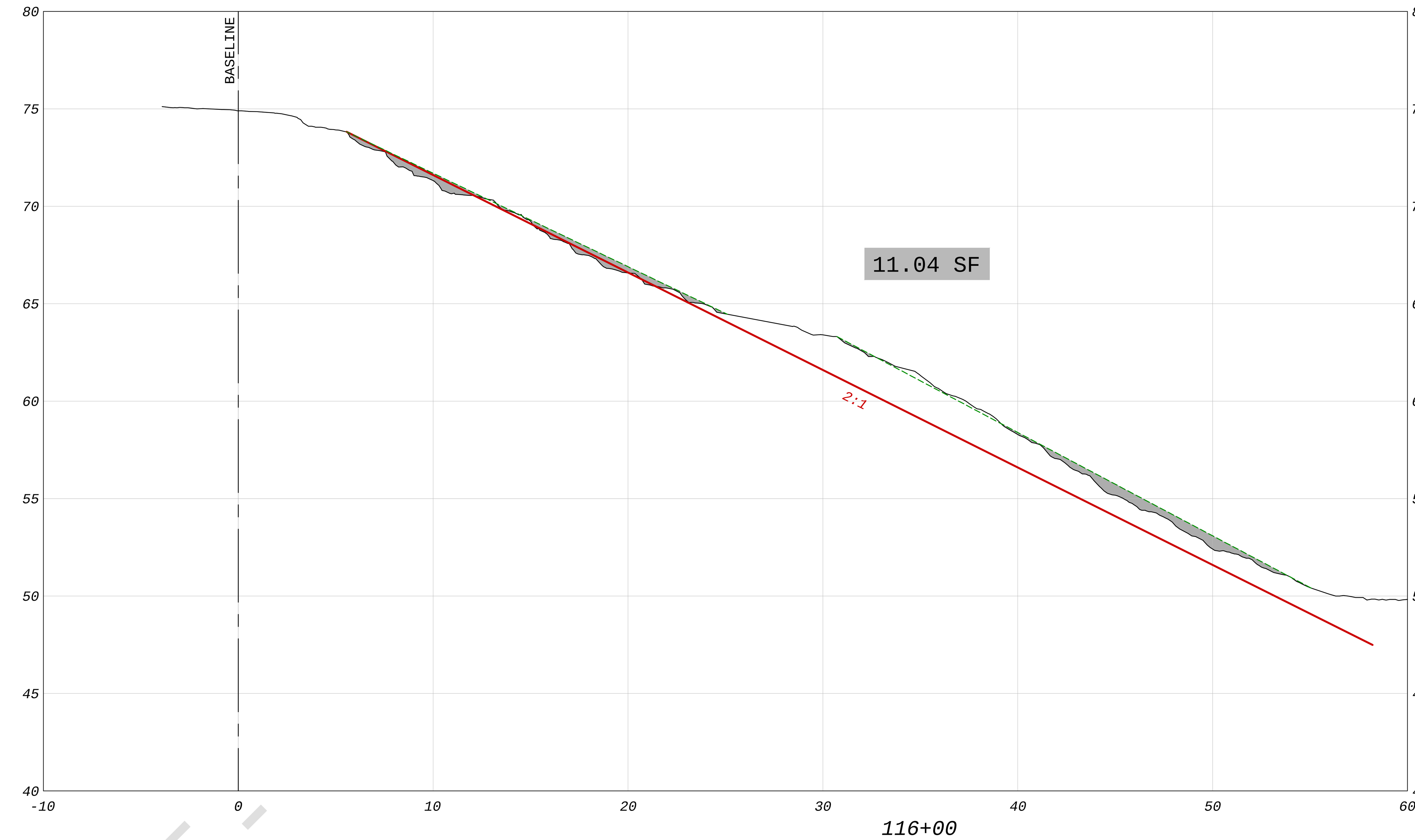
DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

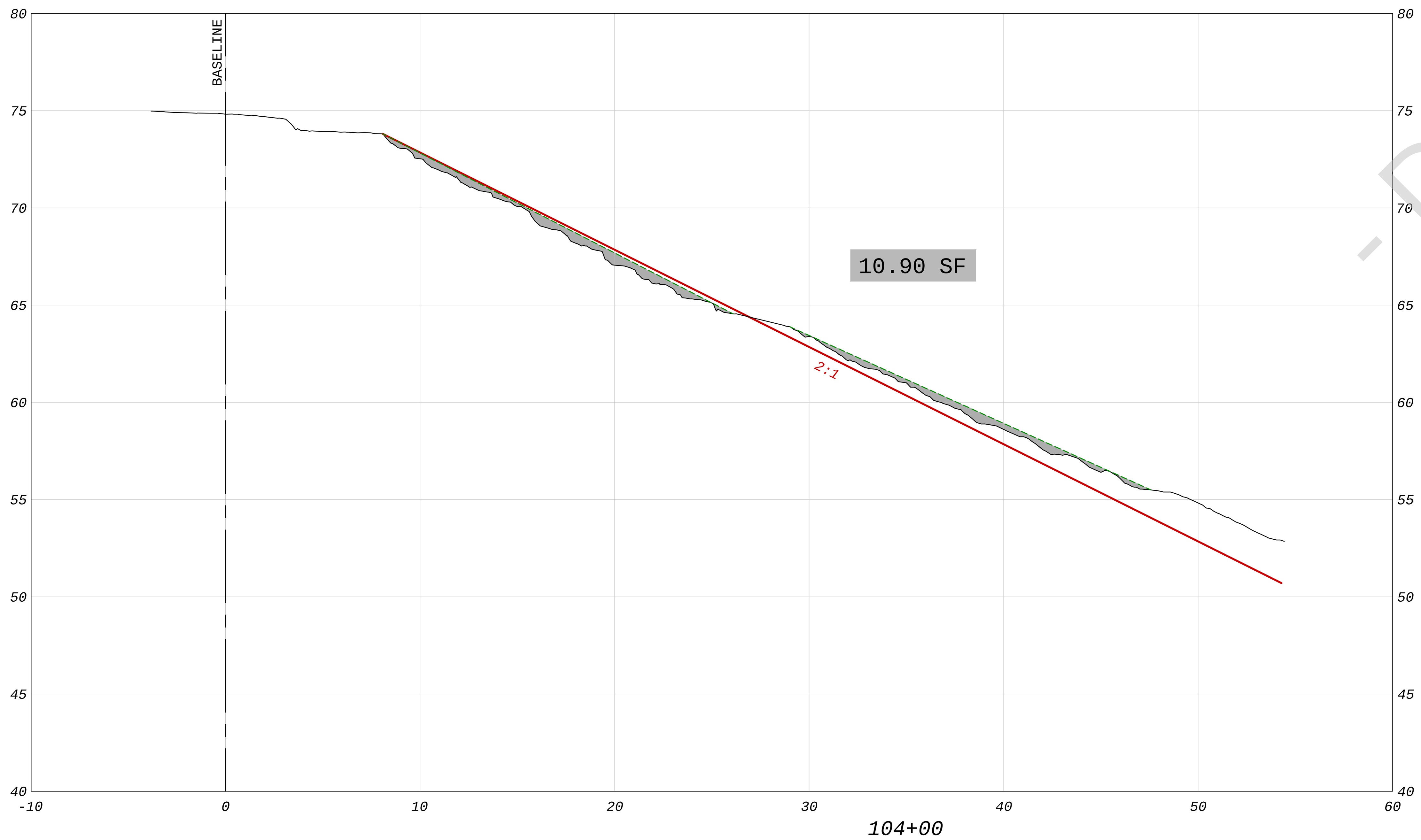
JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

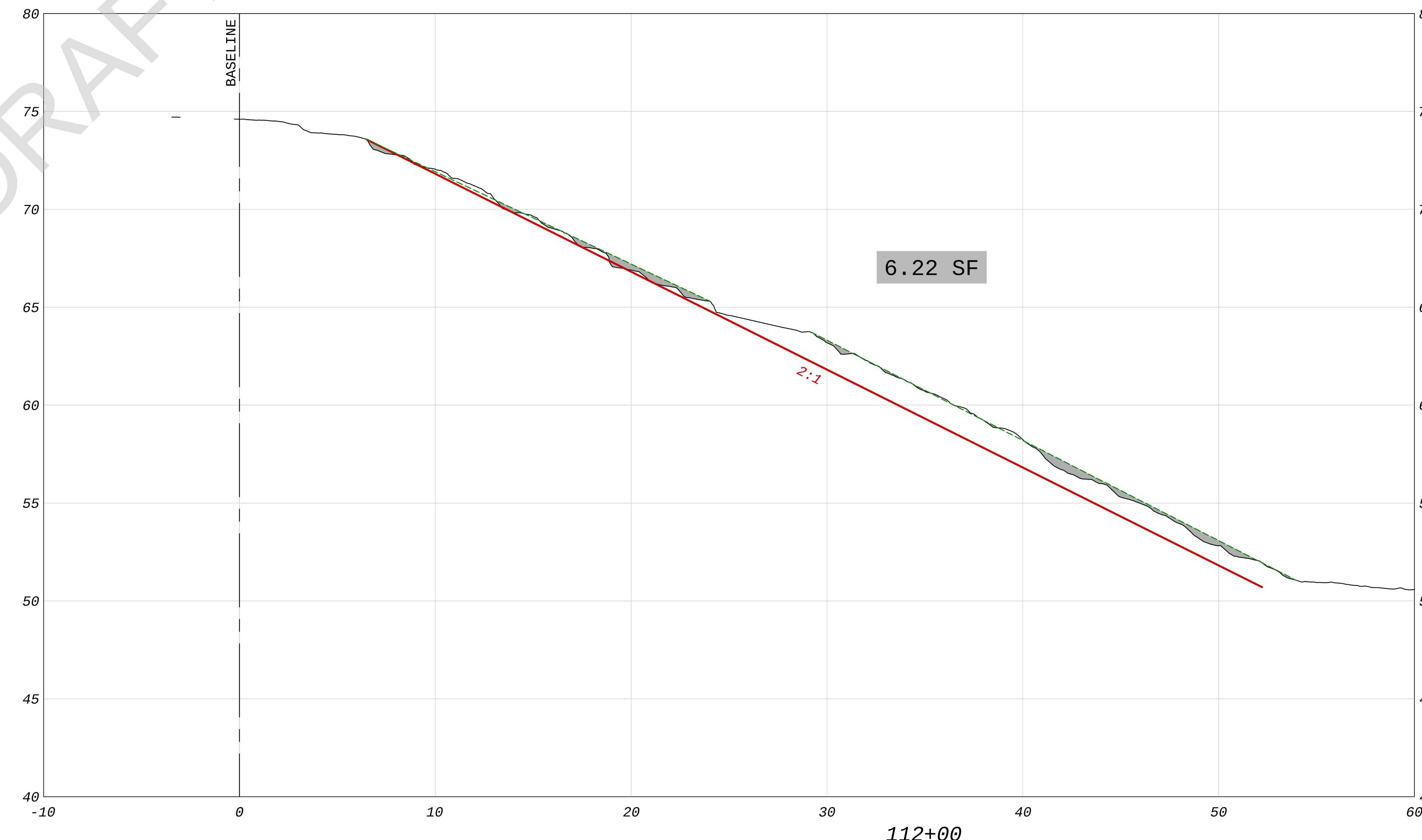
DATE:

6









- DRAFT -

LEGEND

	EXISTING GRADE
	ORIGINAL DESIGN SLOPE
	PROJECTED SLOPE ALONG HIGH POINT OF STEPS
	AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

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REVISION | DATE | NO.

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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

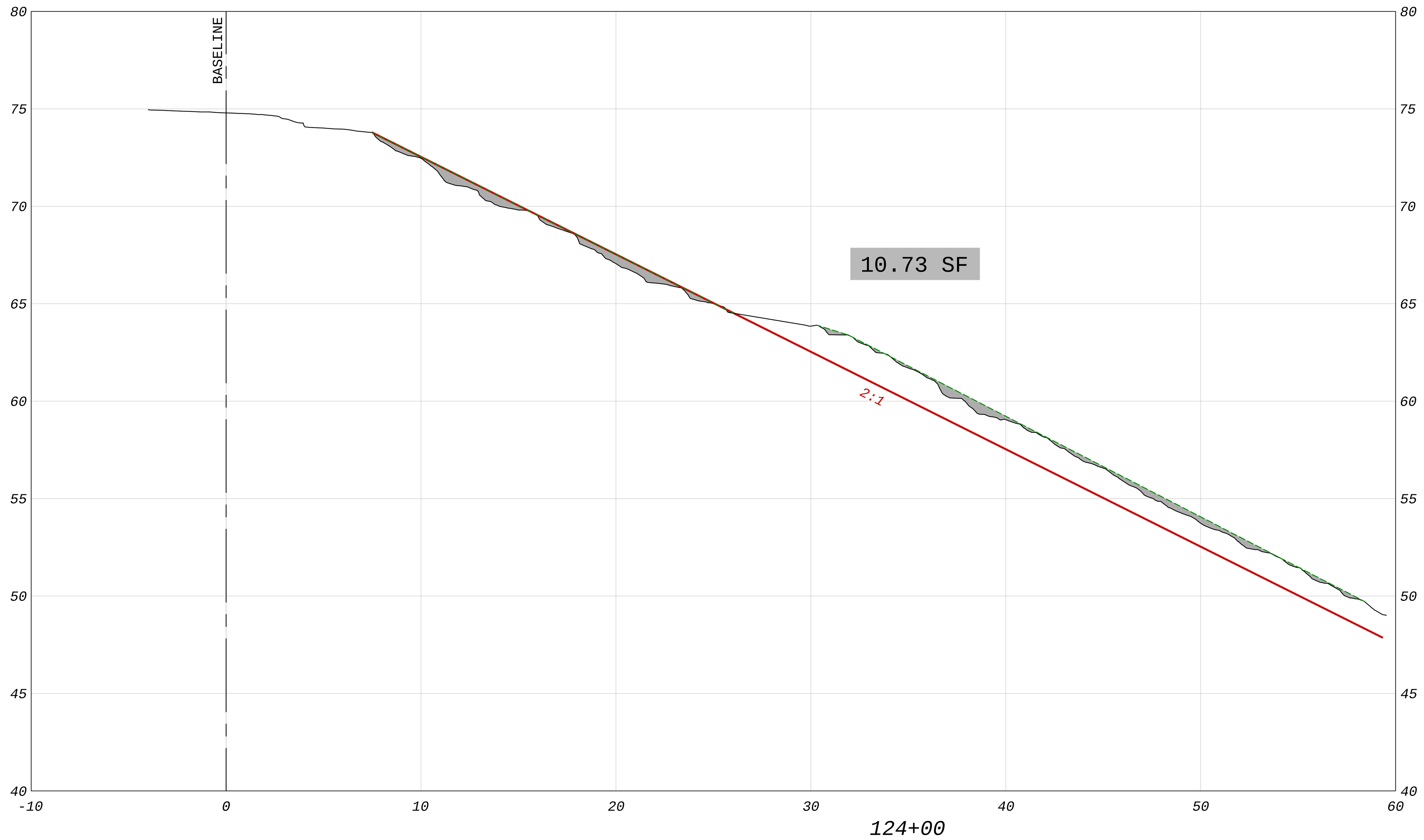
CROSS SECTIONS
STA 104+00 TO STA 116+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

7



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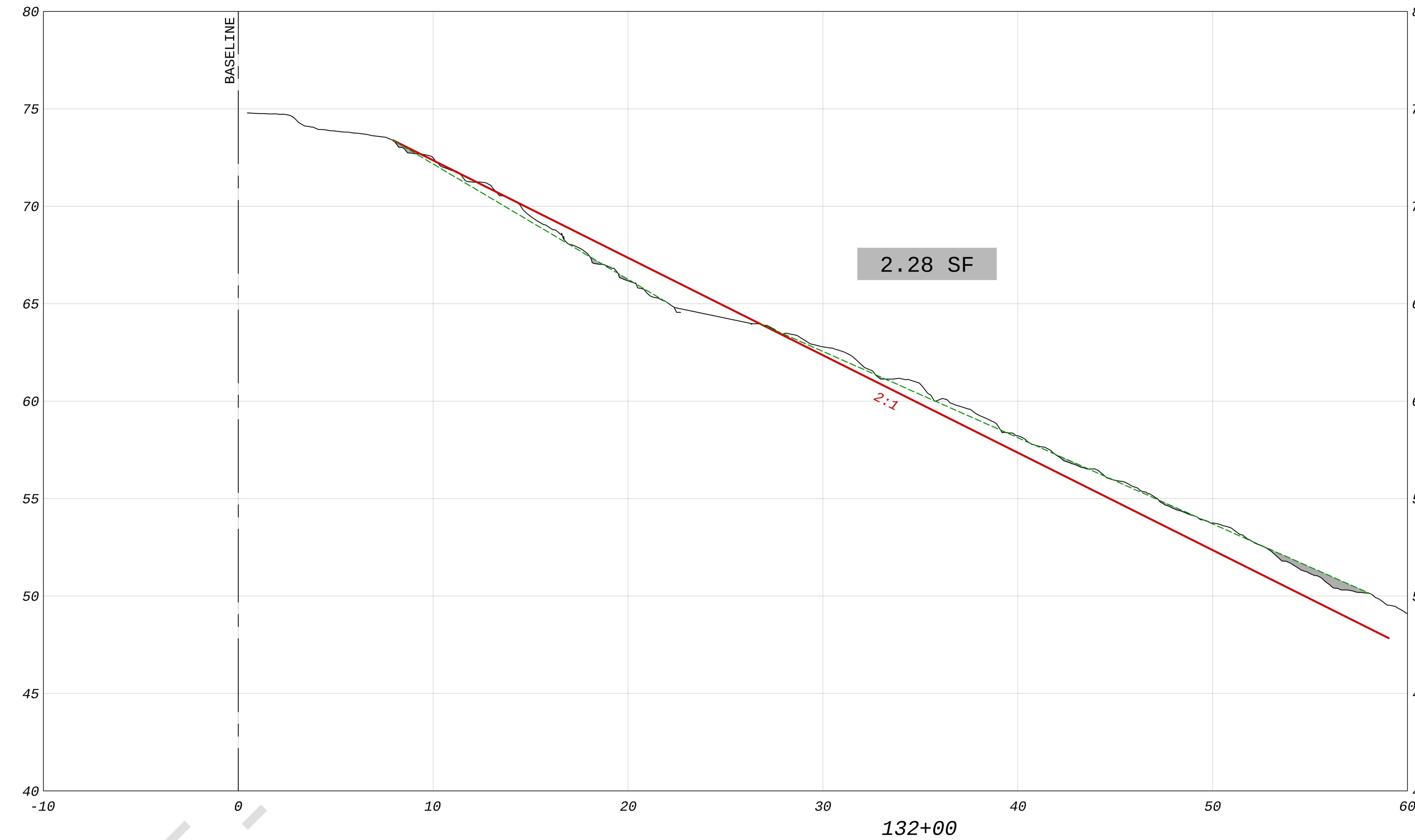

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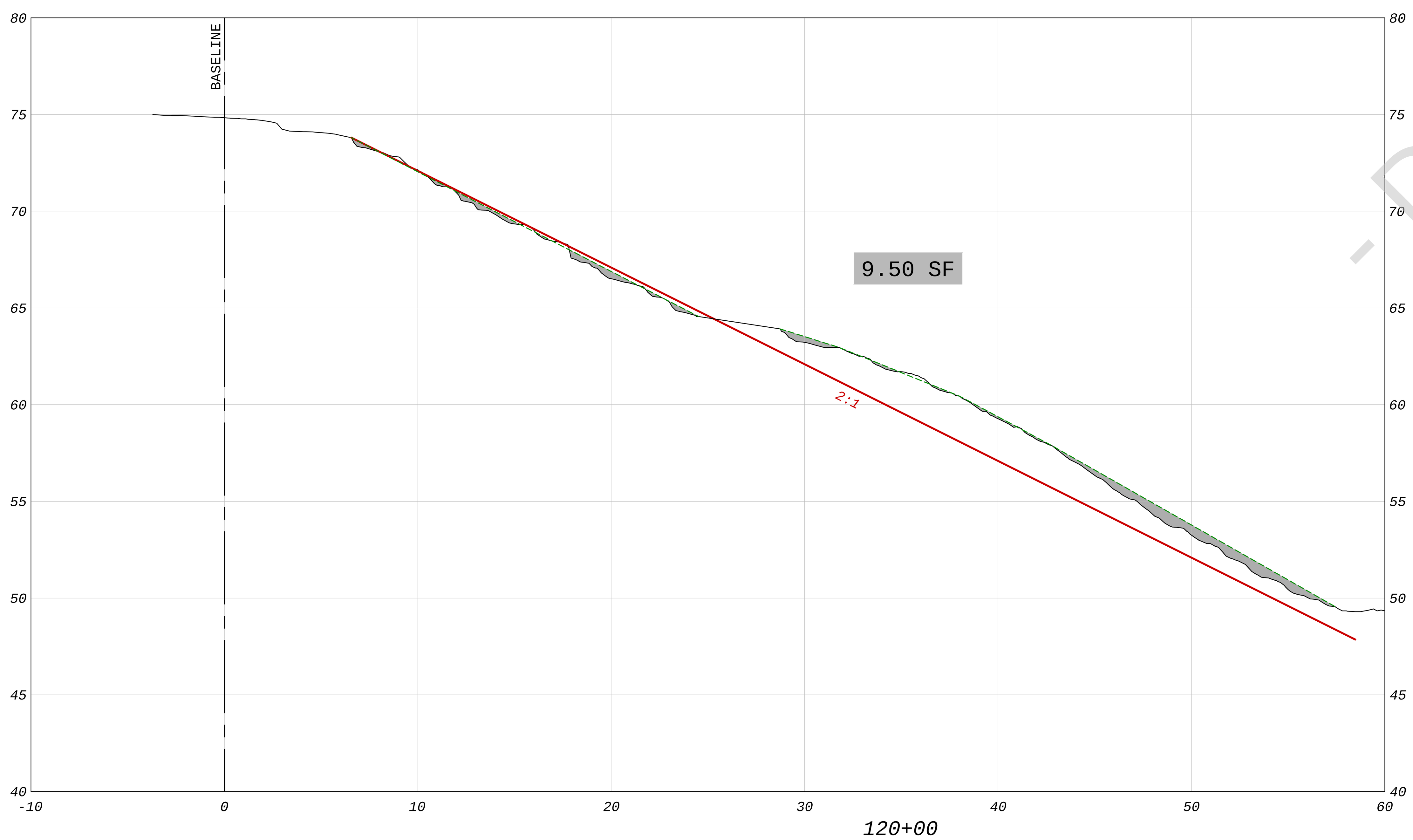

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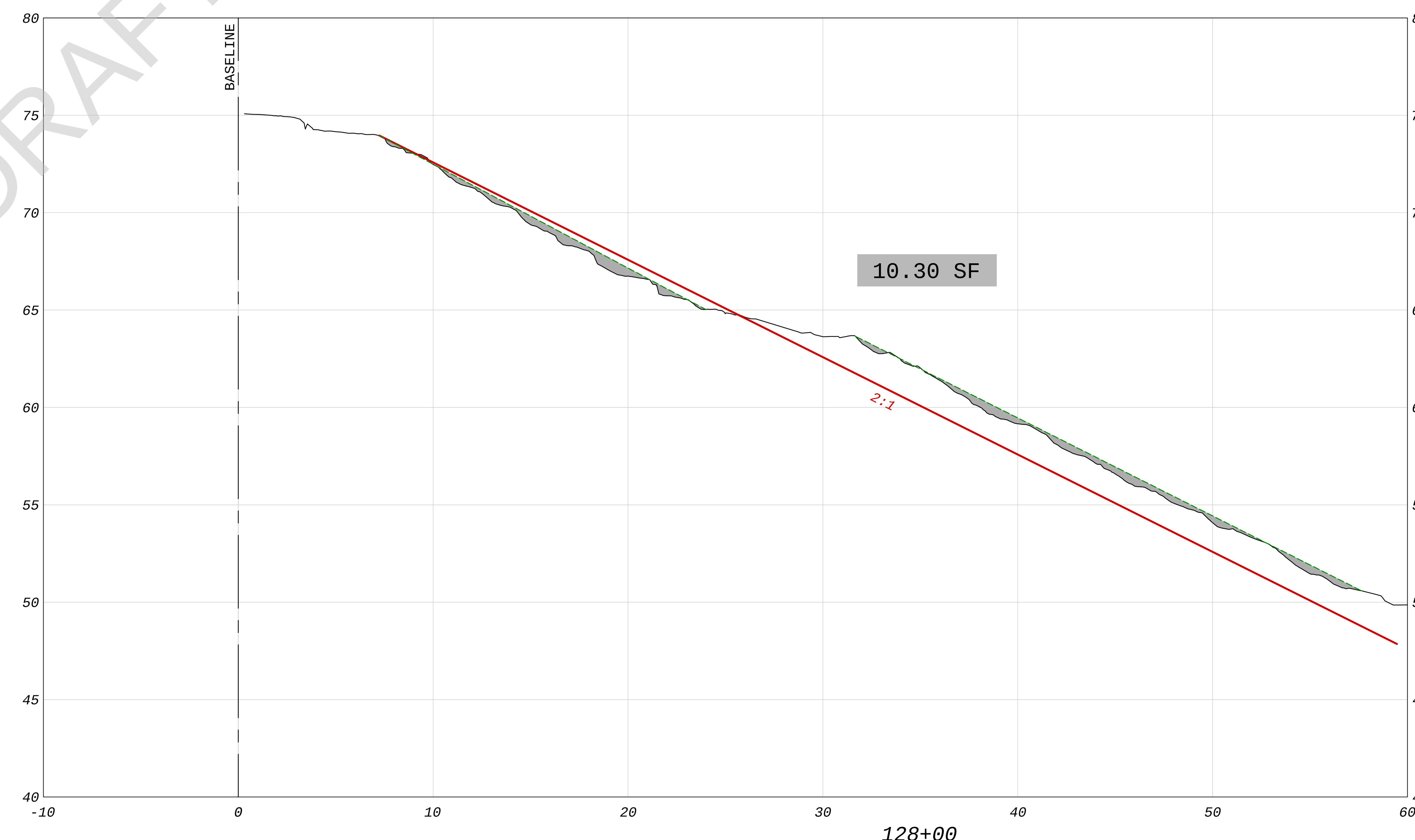

128+00

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

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NO.	DATE	REVISION

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Phone: 1.863.667.2345 Fax: 1.863.667.2667
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

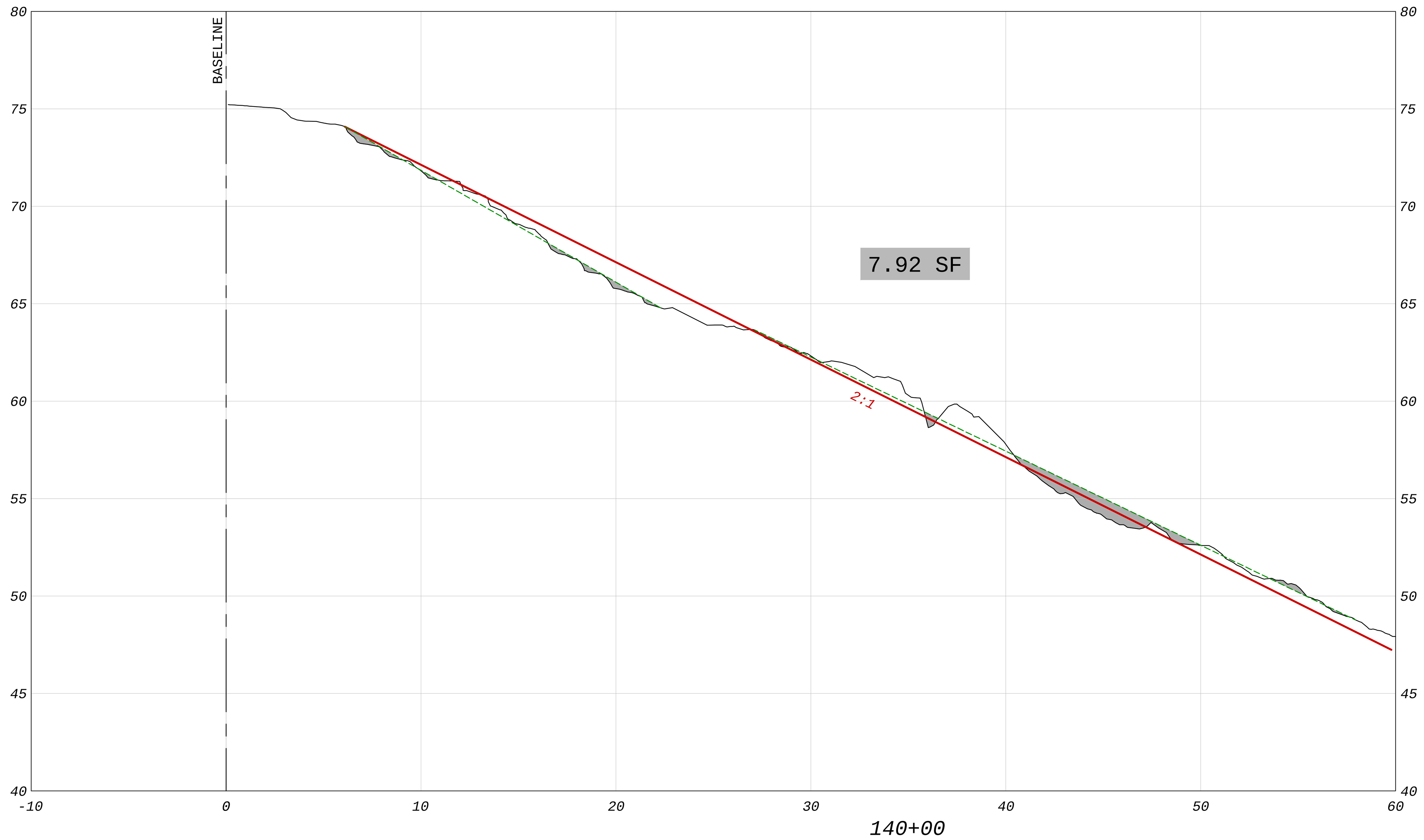
CROSS SECTIONS
STA 120+00 TO STA 132+00
MANATEE COUNTY, FLORIDA

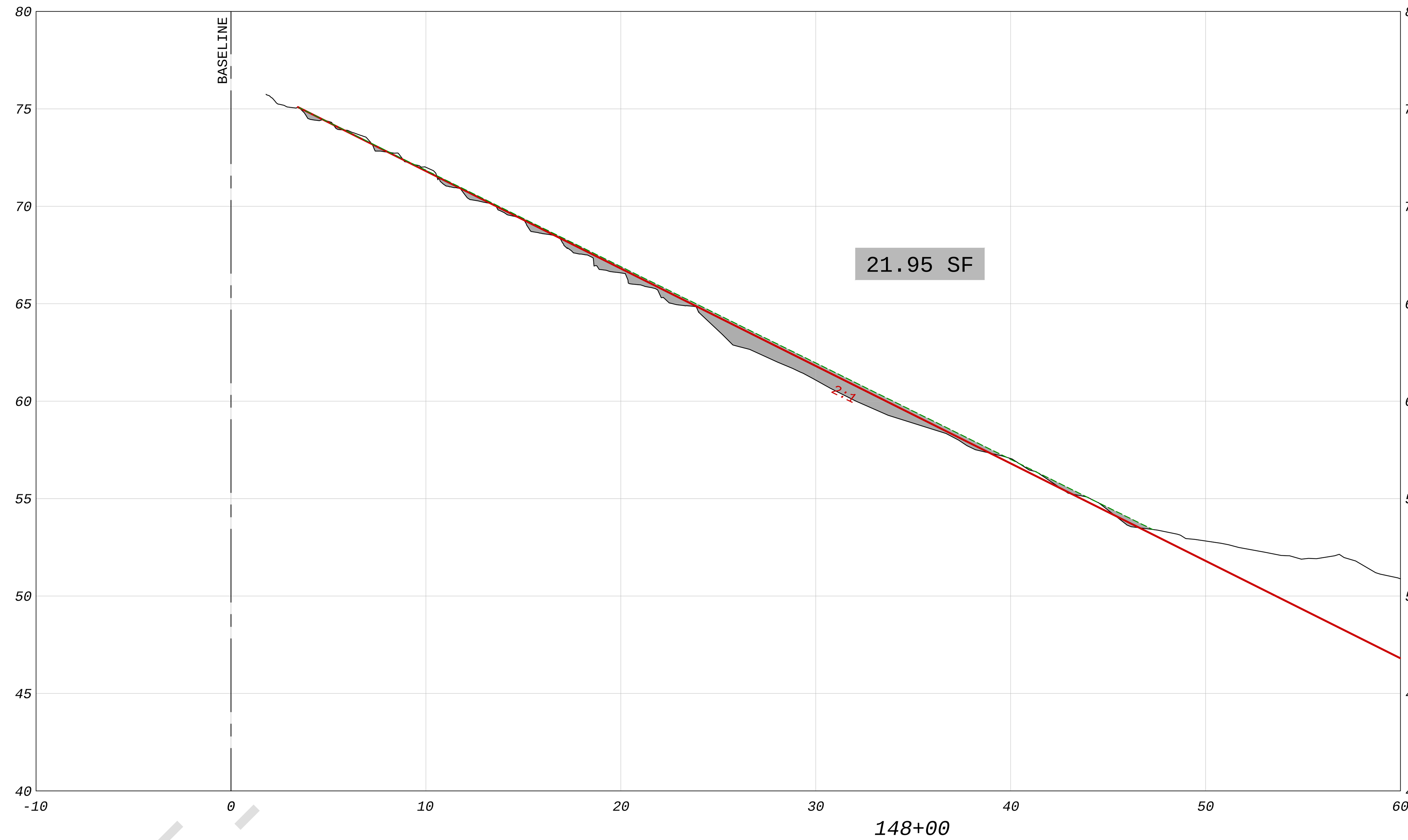
DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

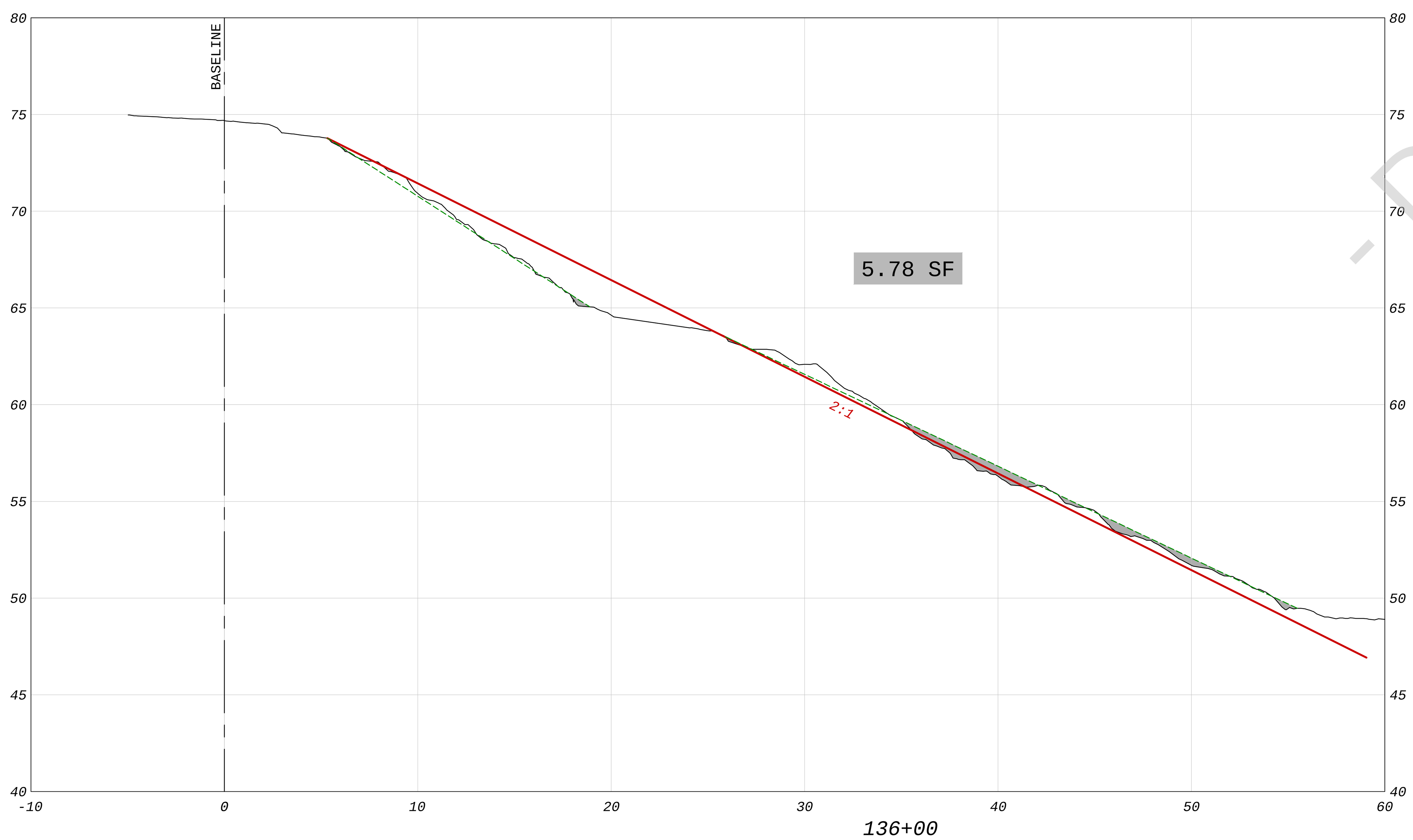
JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

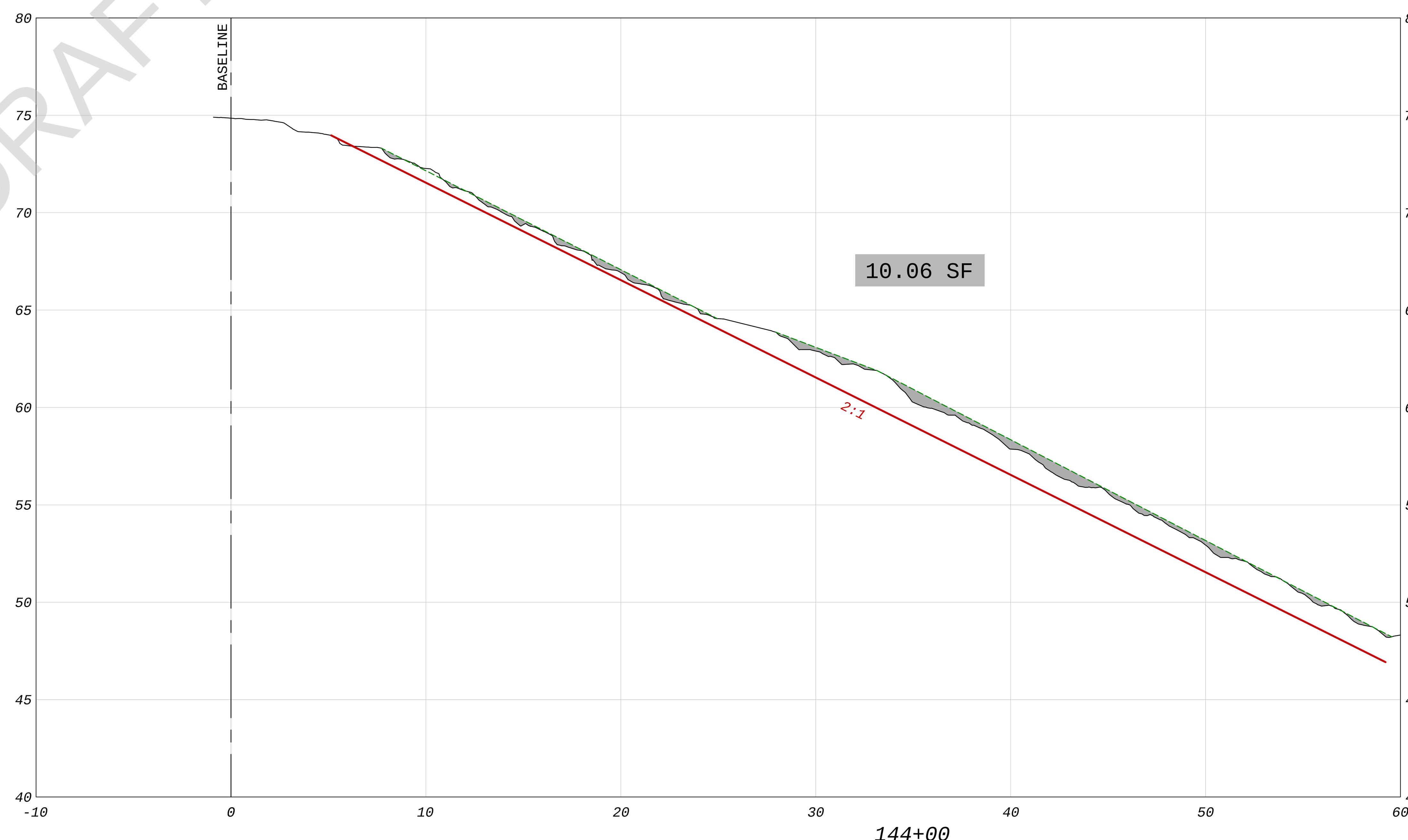
DATE:

8









- DRAFT -

LEGEND

EXISTING GRADE
ORIGINAL DESIGN SLOPE
PROJECTED SLOPE ALONG HIGH POINT OF STEPS
AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

NO.	DATE	REVISION

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Amec Foster Wheeler
Environment & Infrastructure, Inc.
2000 E. Edgewood Dr., Suite 215, Lakeland, FL 33803
Phone: 1.863.667.2345 Fax: 1.863.667.2667
www.amecfw.com CA-5392

MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 136+00 TO STA 148+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

9

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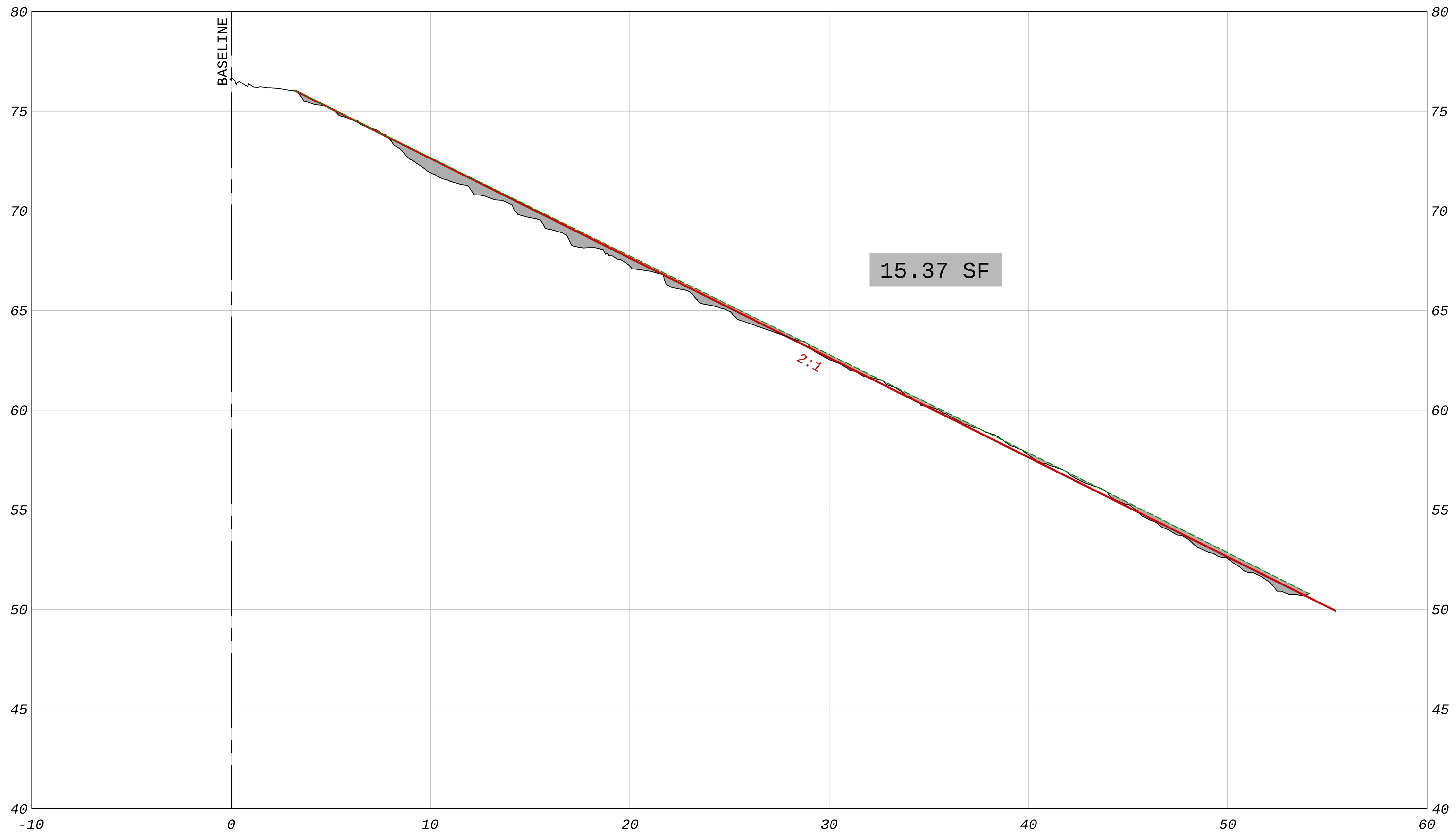

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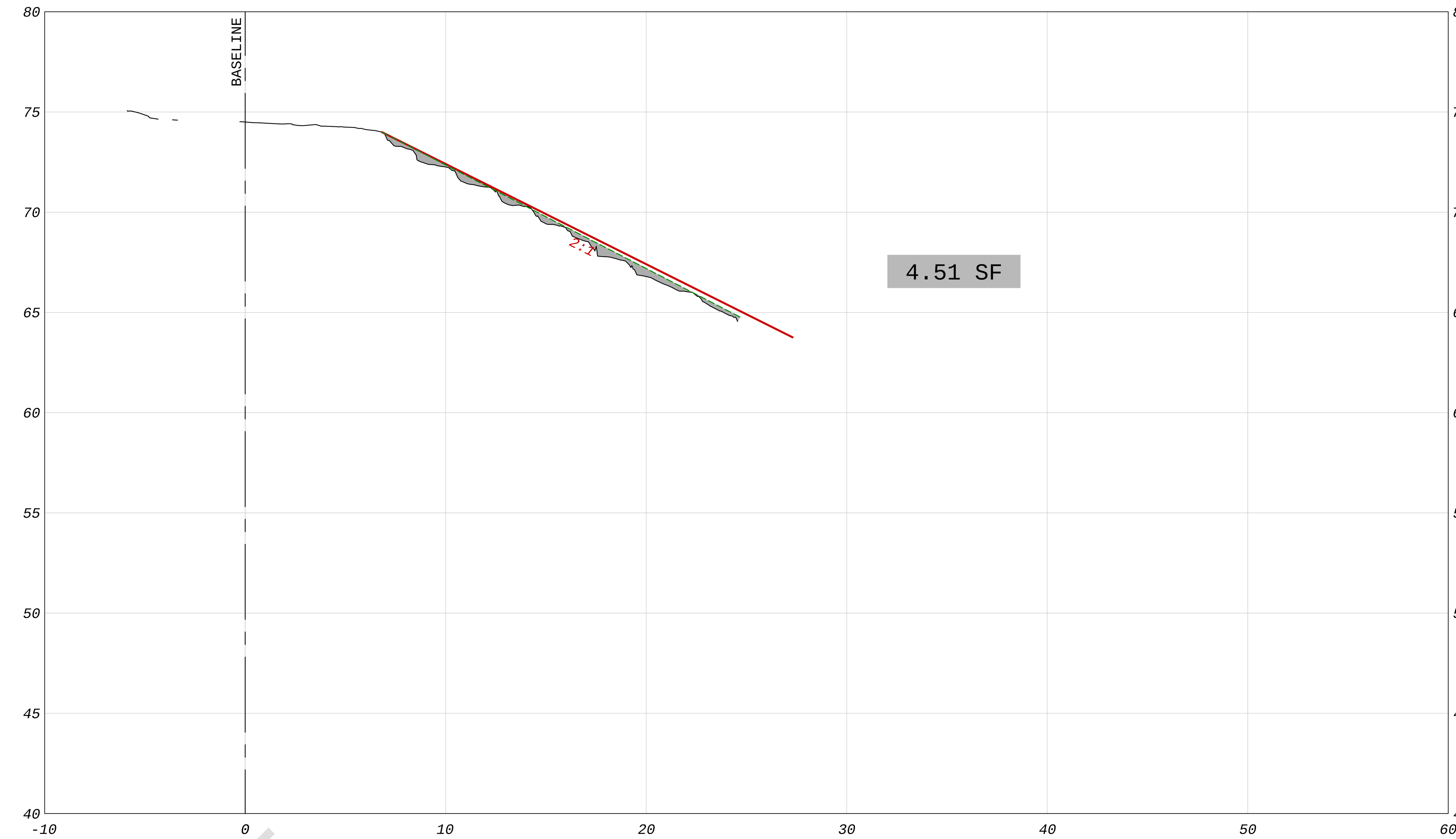

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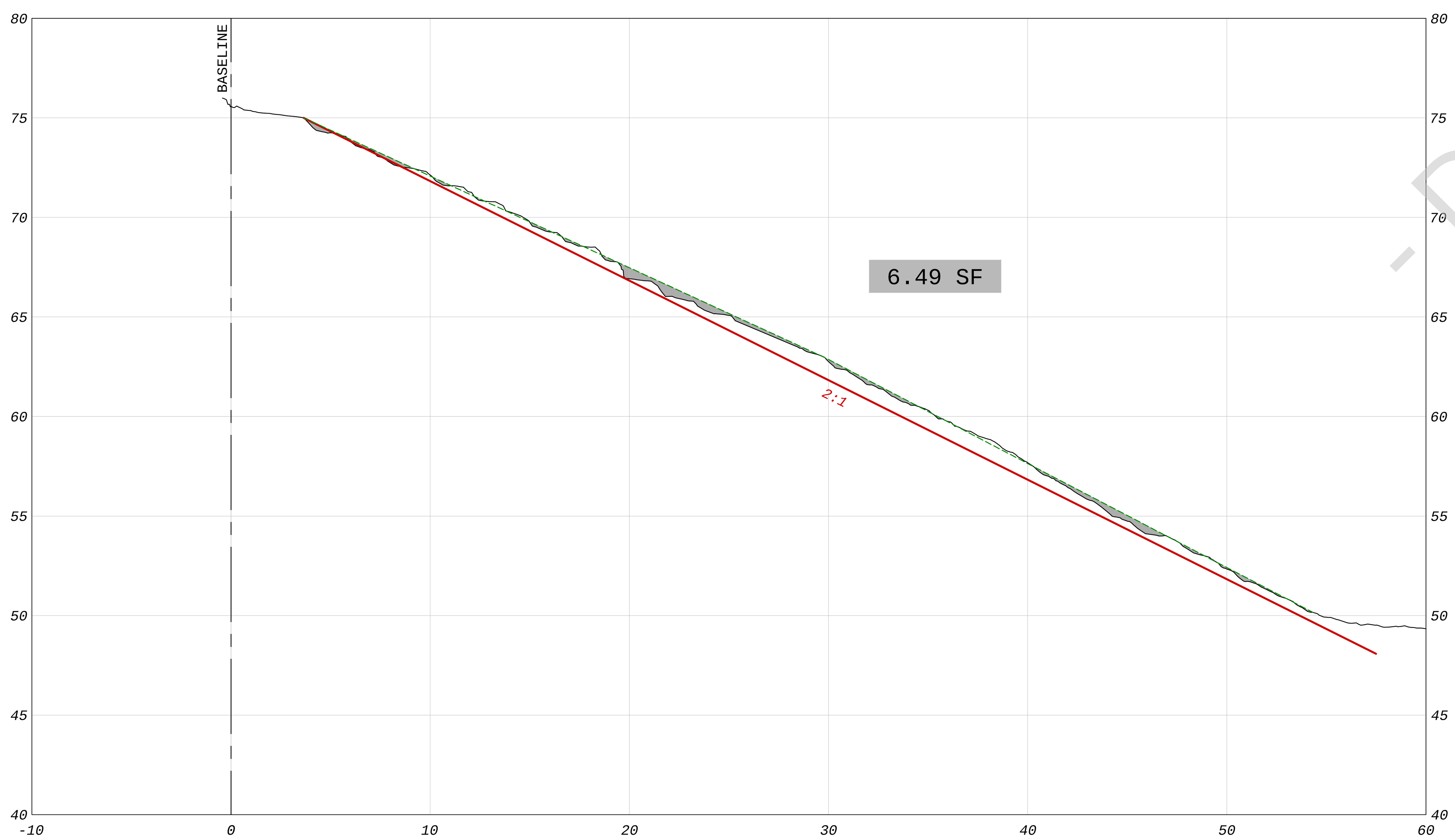

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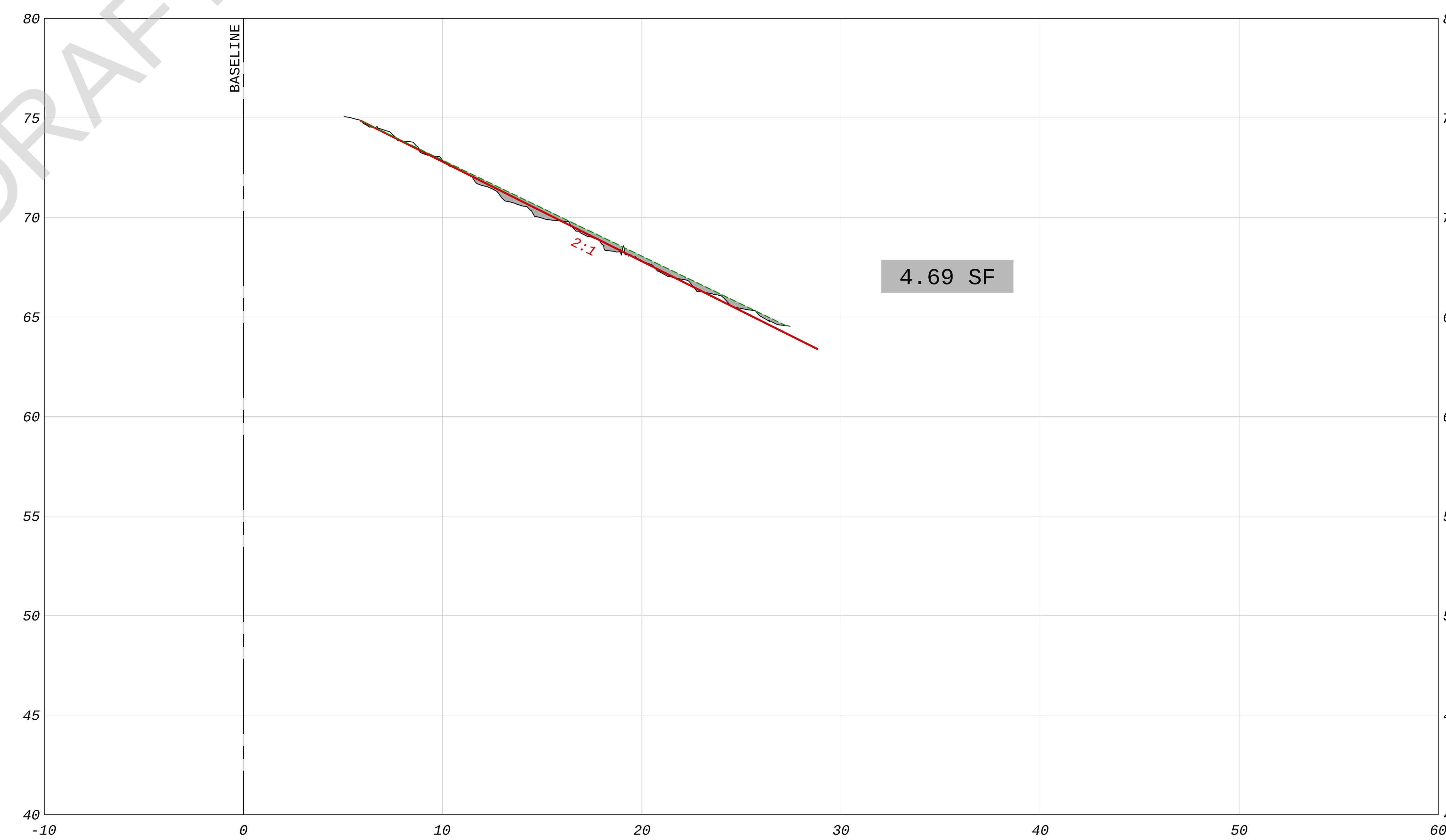

160+00

- DRAFT -

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT) 5 5

NO.	DATE	REVISION

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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 152+00 TO STA 160+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

10

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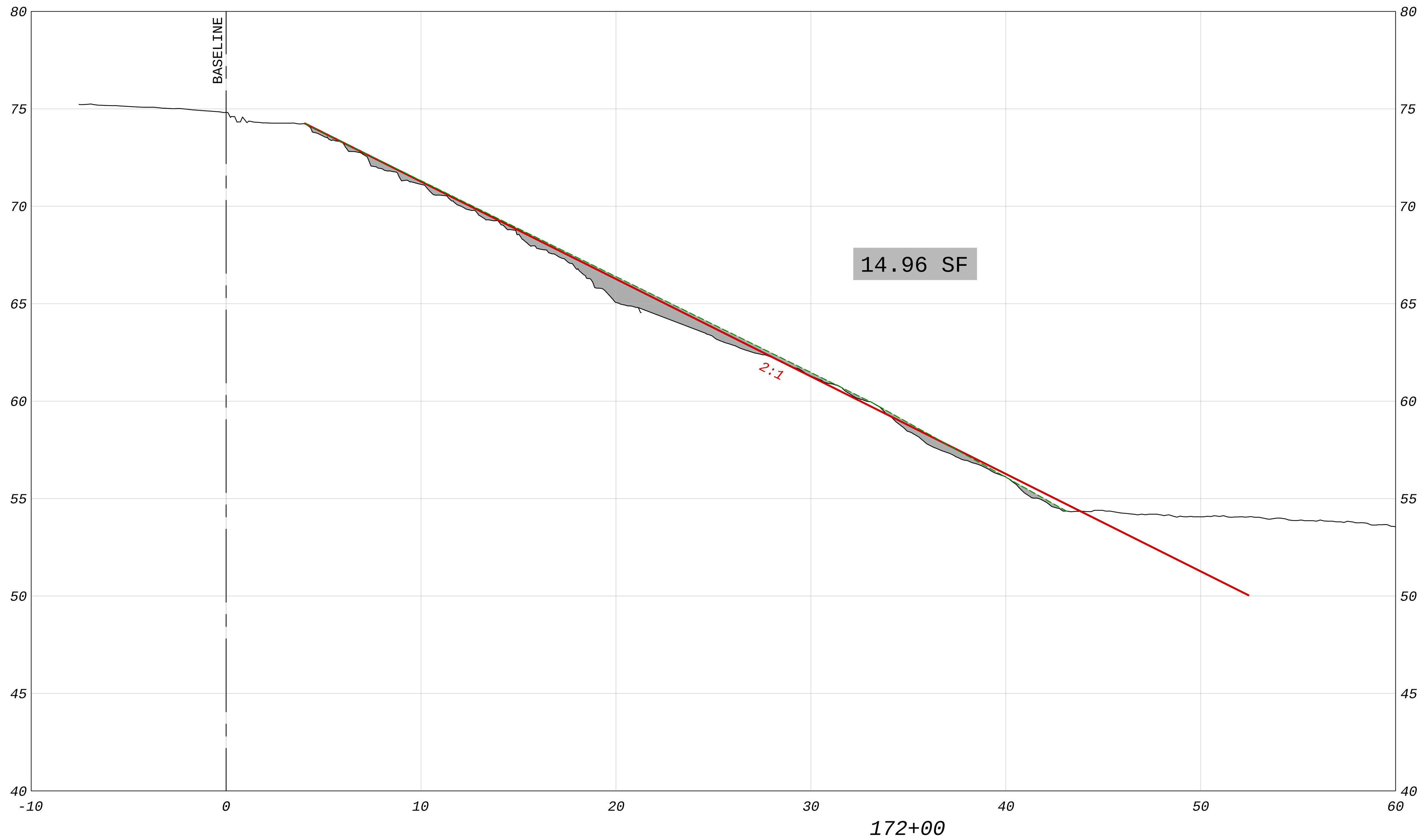

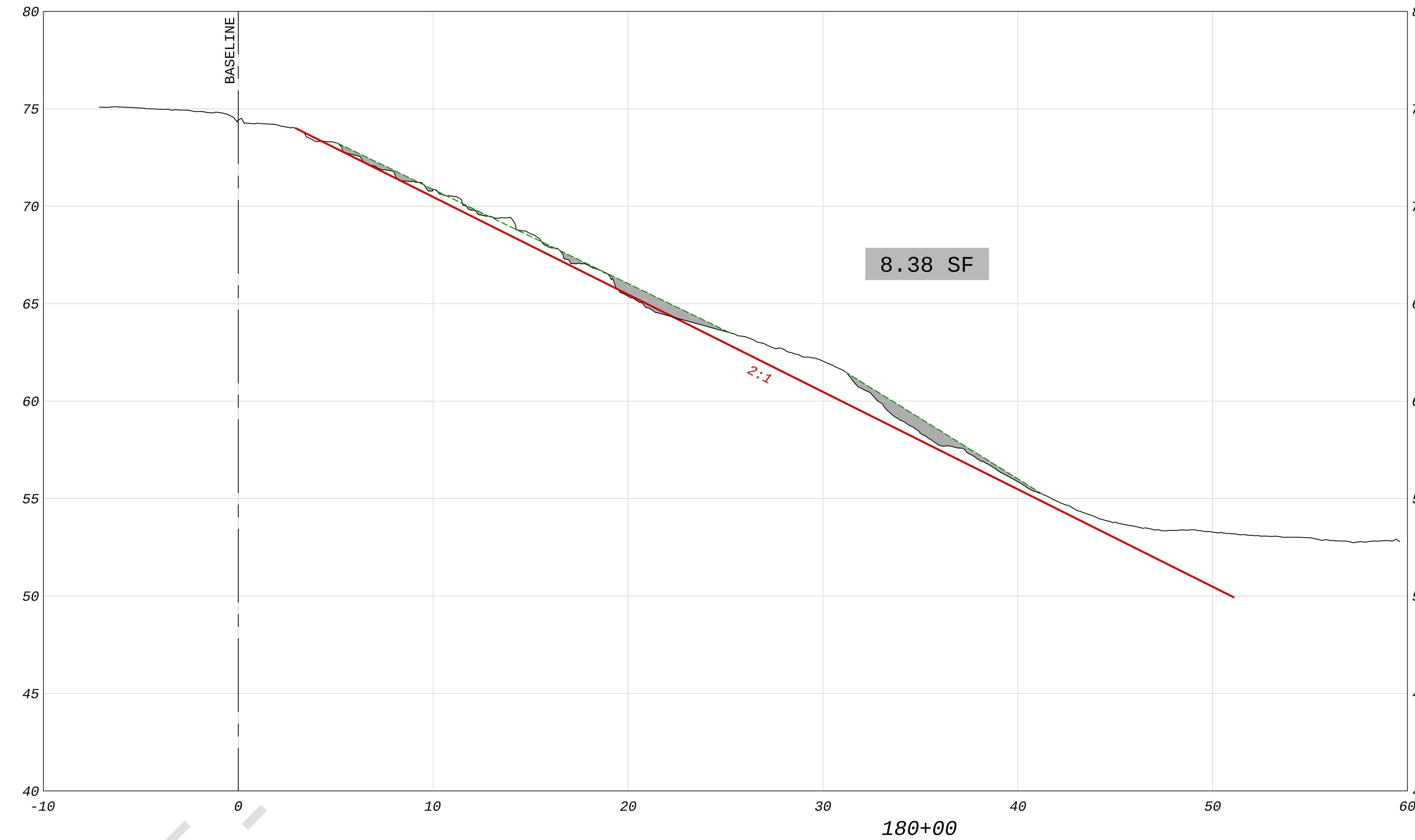

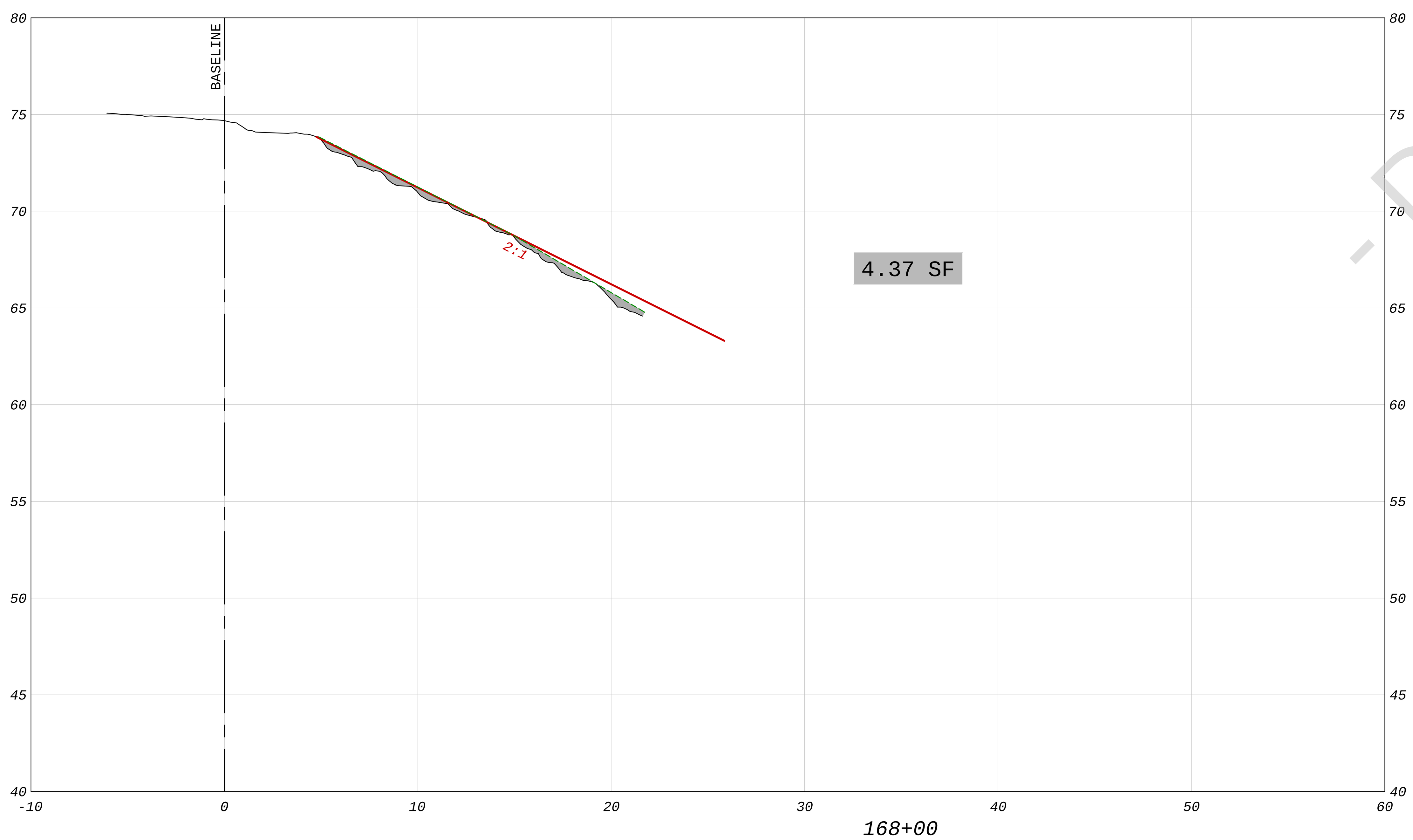

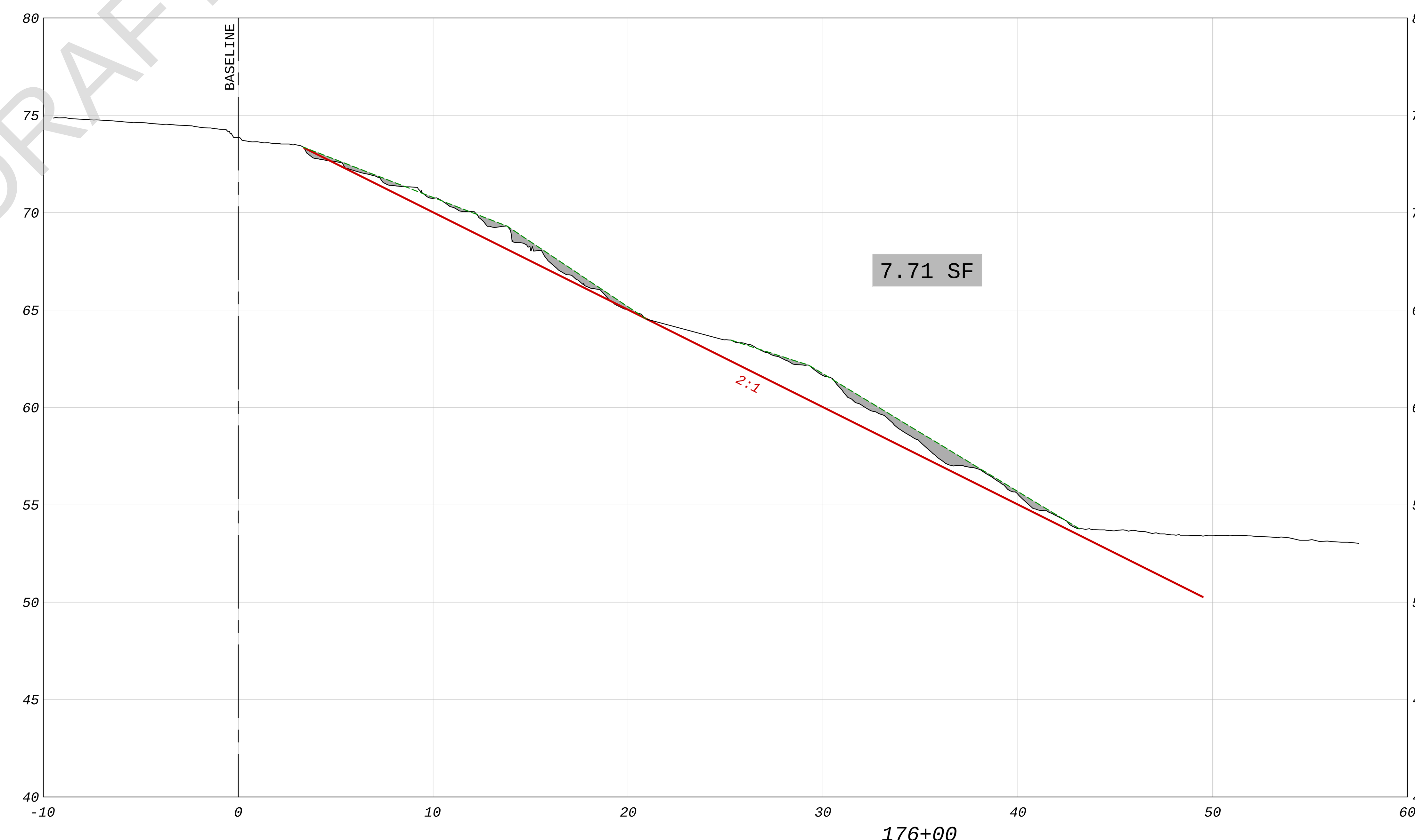

- DRAFT -

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

REVISION | DATE | NO.

amec foster wheeler
Amec Foster Wheeler
Environment & Infrastructure, Inc.
2000 E. Edgewood Dr., Suite 215, Lakeland, FL 33803
Phone: 1.863.667.2345 Fax: 1.863.667.2667
www.amecfw.com CA-5392

MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 168+00 TO STA 180+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

11

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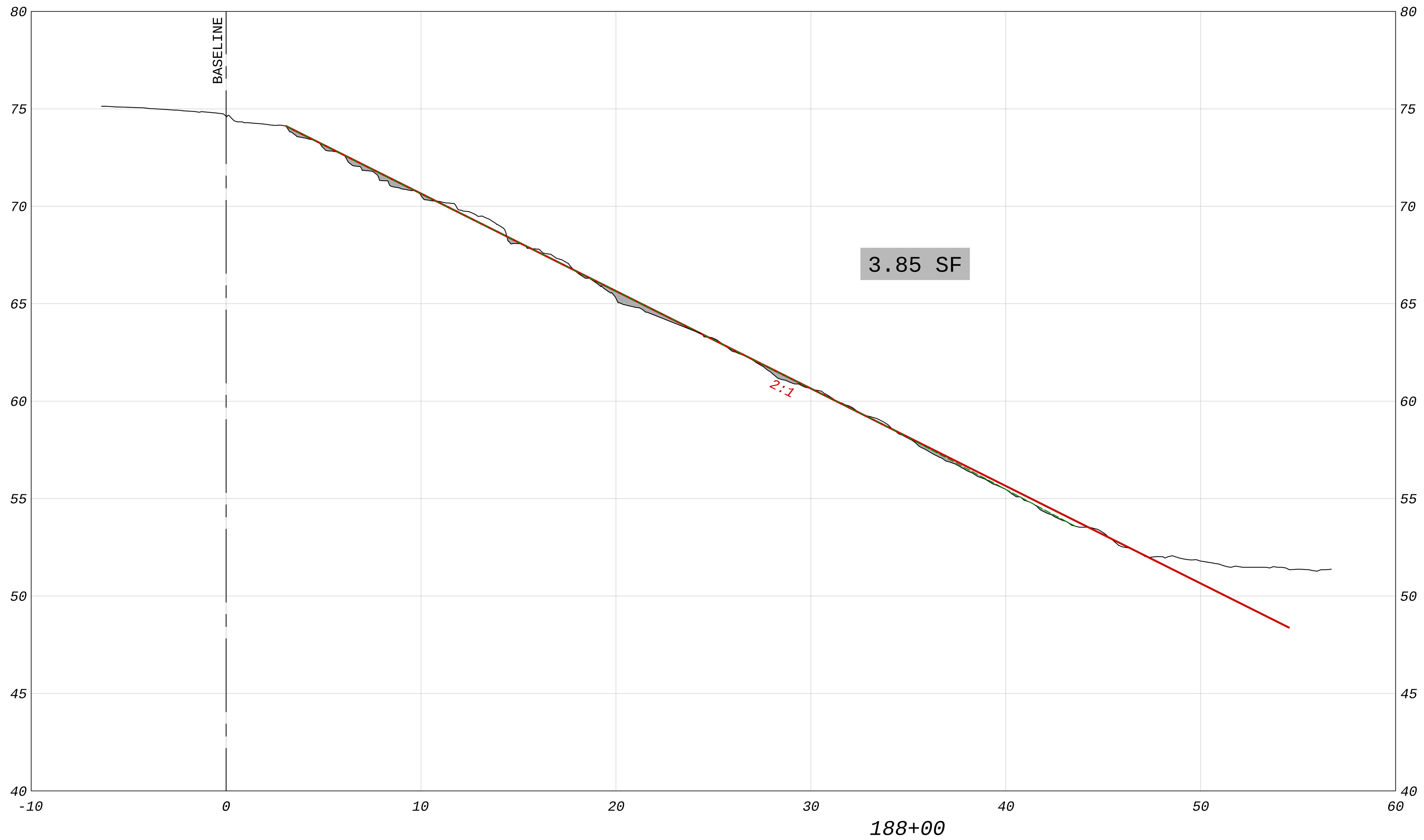
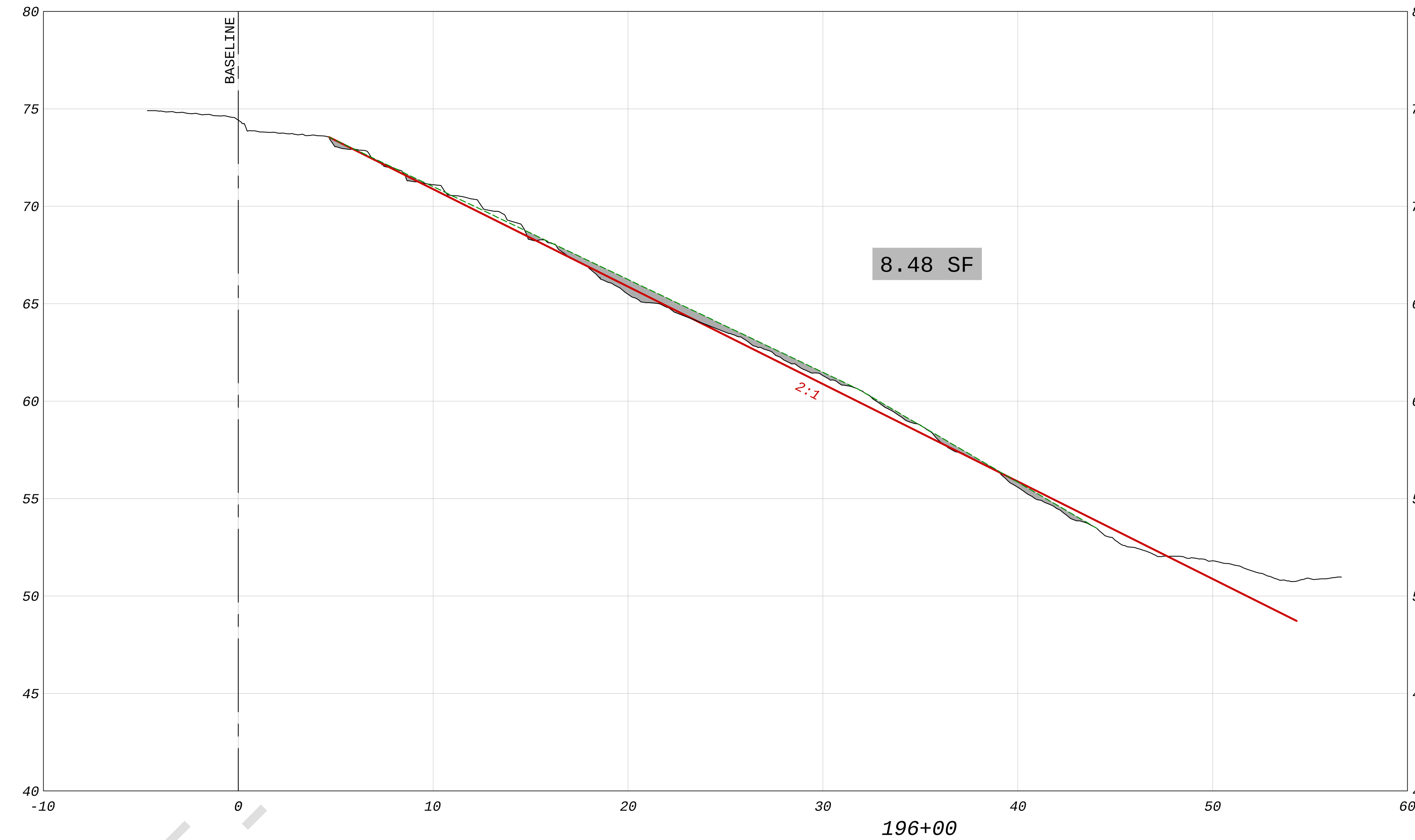
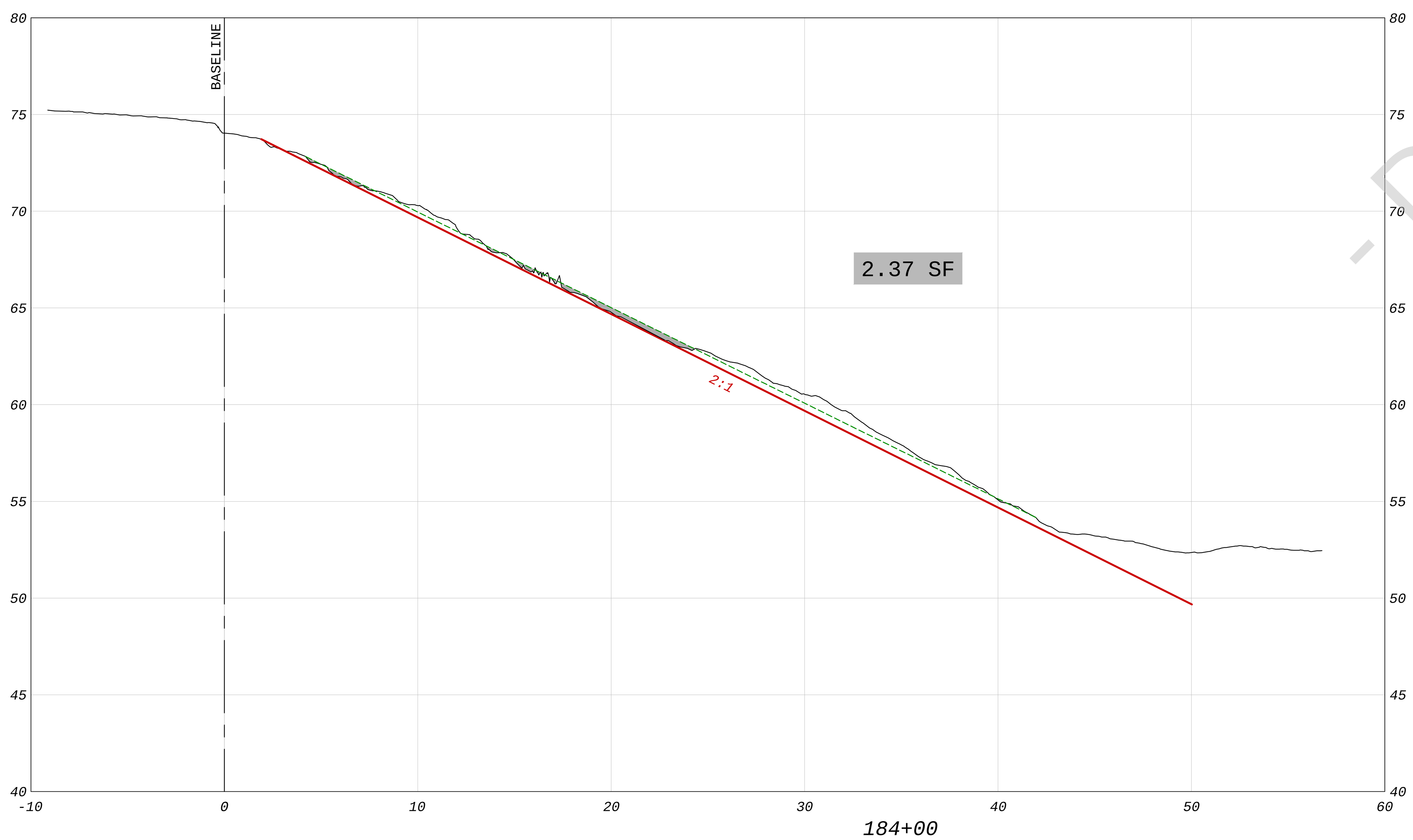
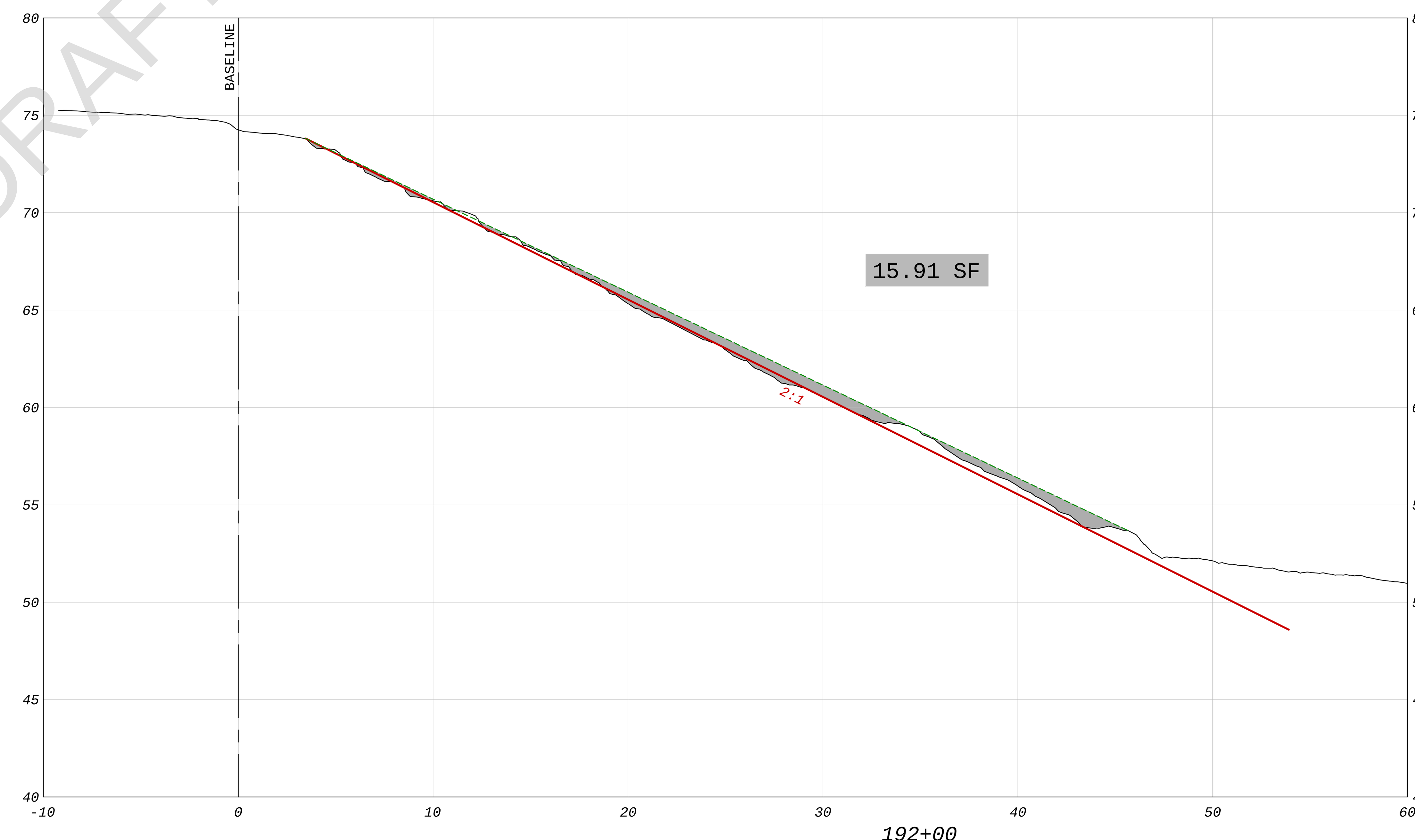






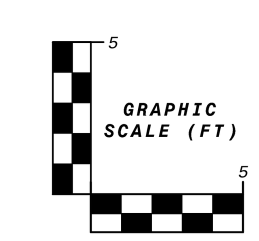


- DRAFT -

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015



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NO.	DATE	REVISION

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Amec Foster Wheeler
Environment & Infrastructure, Inc.
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

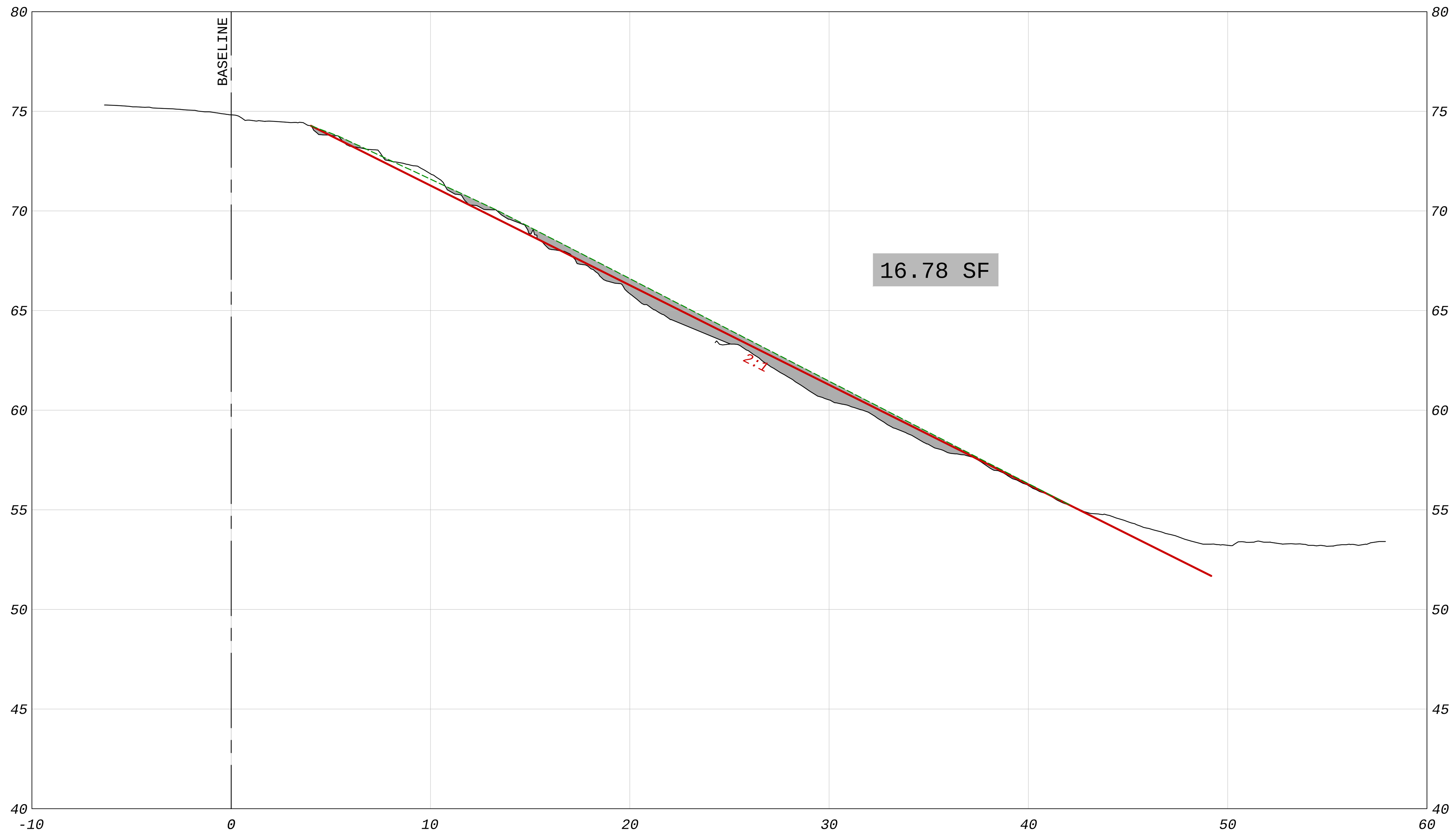
CROSS SECTIONS
STA 184+00 TO STA 196+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

12



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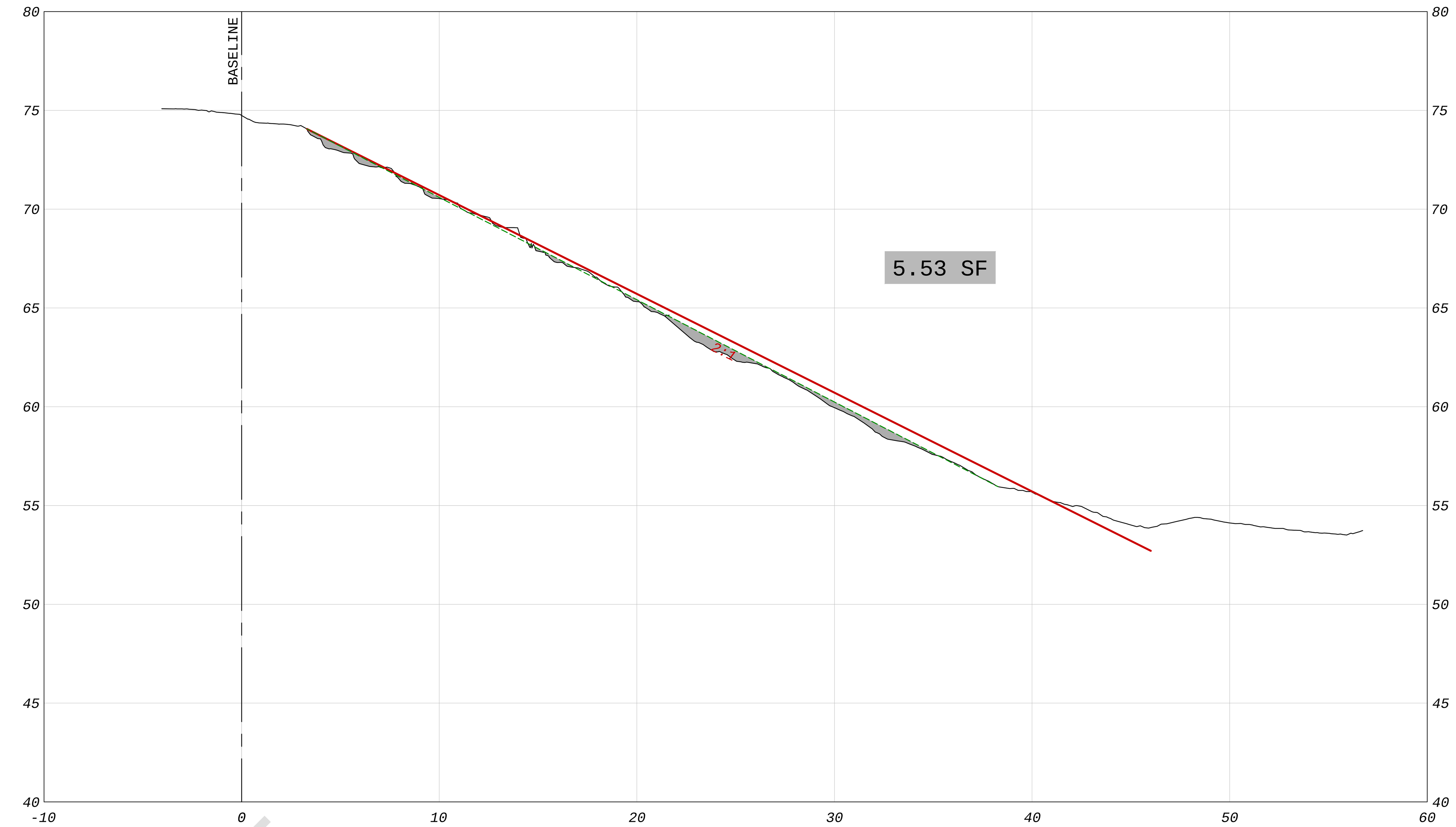

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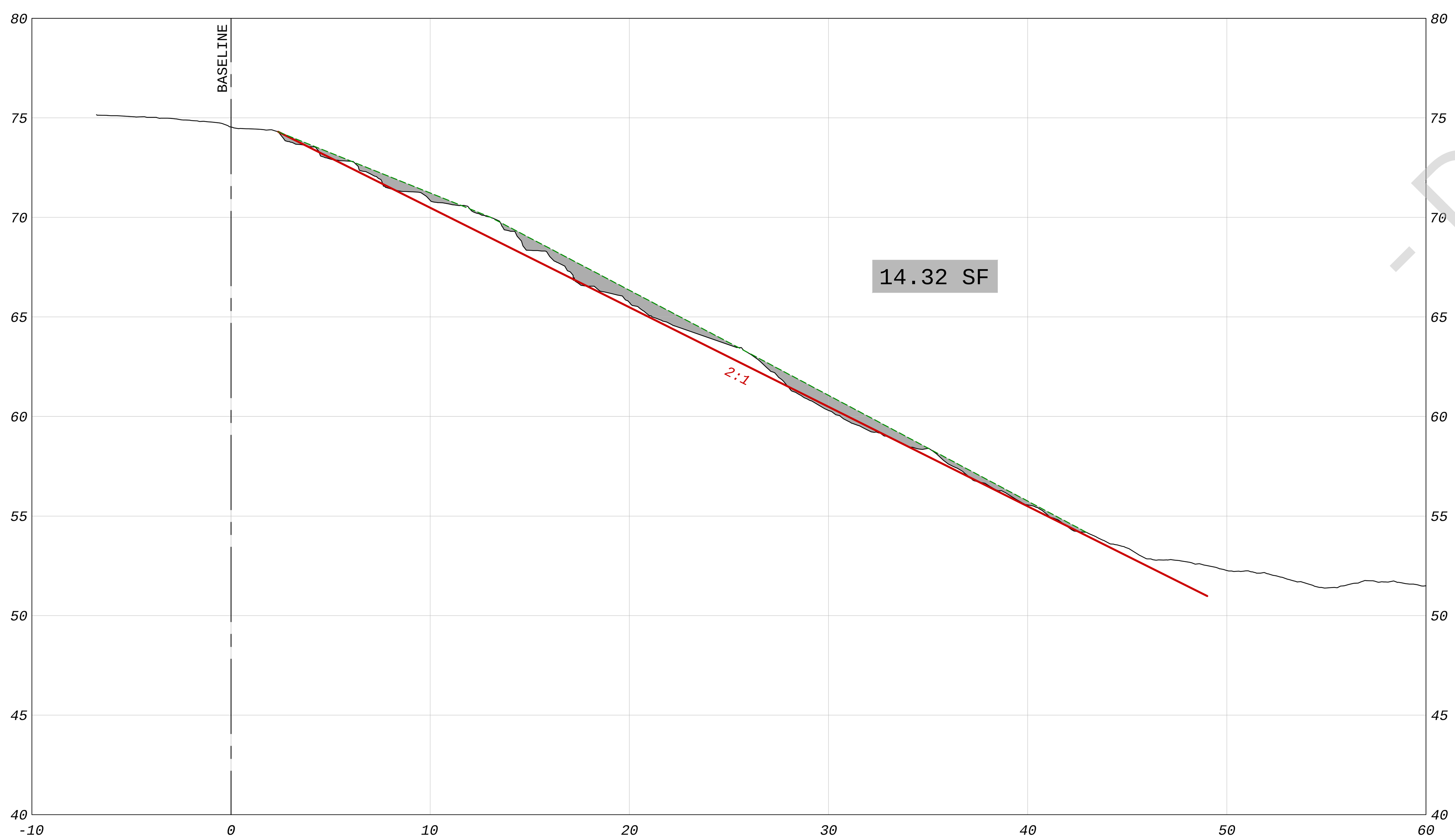

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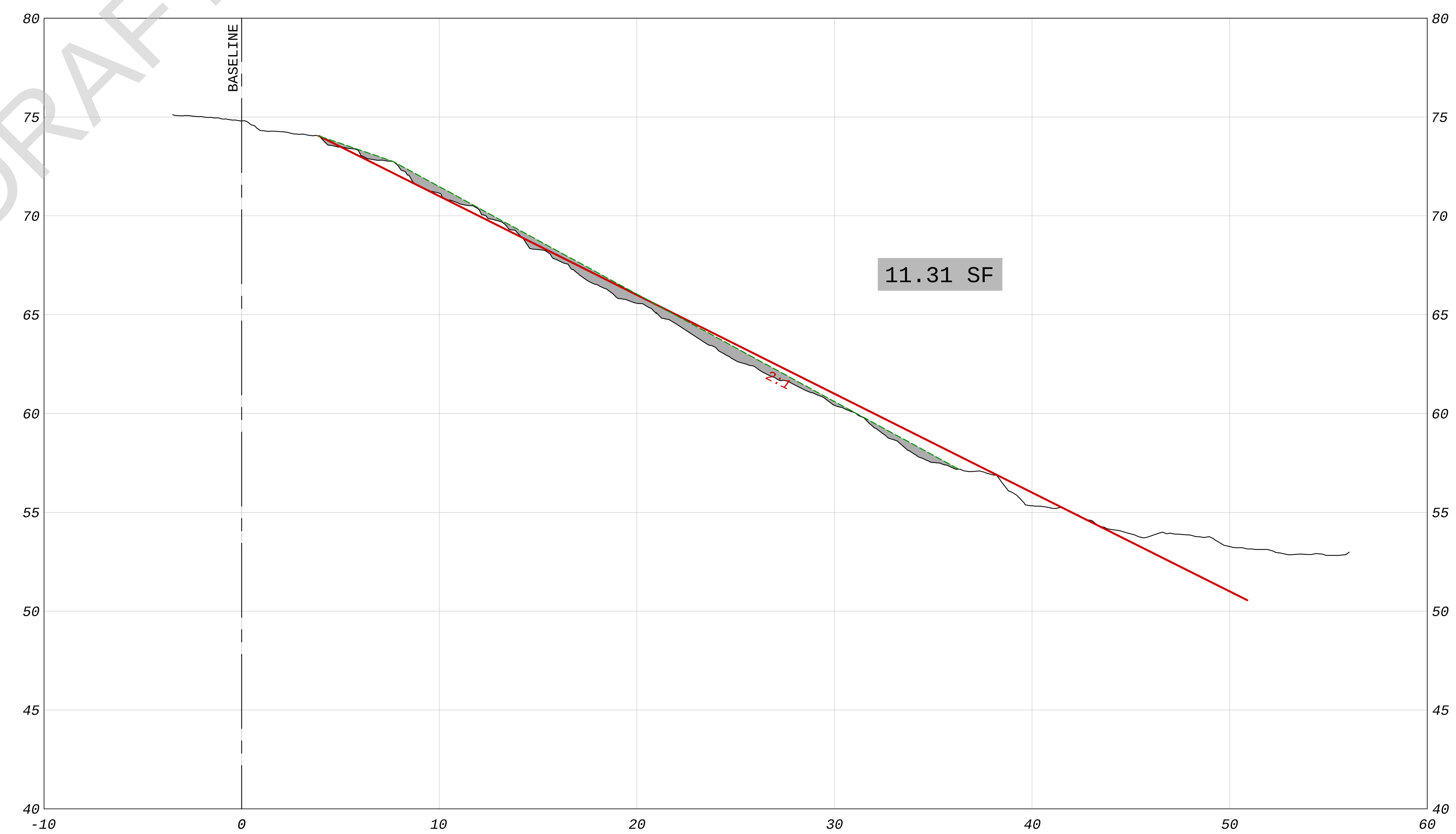

208+00

- DRAFT -

LEGEND

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(red line)	ORIGINAL DESIGN SLOPE
(dashed green line)	PROJECTED SLOPE ALONG HIGH POINT OF STEPS
(grey fill)	AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

REVISION | DATE | NO.

amec foster wheeler
Amec Foster Wheeler
Environment & Infrastructure, Inc.
2000 E. Edgewood Dr., Suite 215, Lakeland, FL 33803
Phone: 1.863.667.2345 Fax: 1.863.667.2667
www.amecfw.com
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 200+00 TO STA 212+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

13

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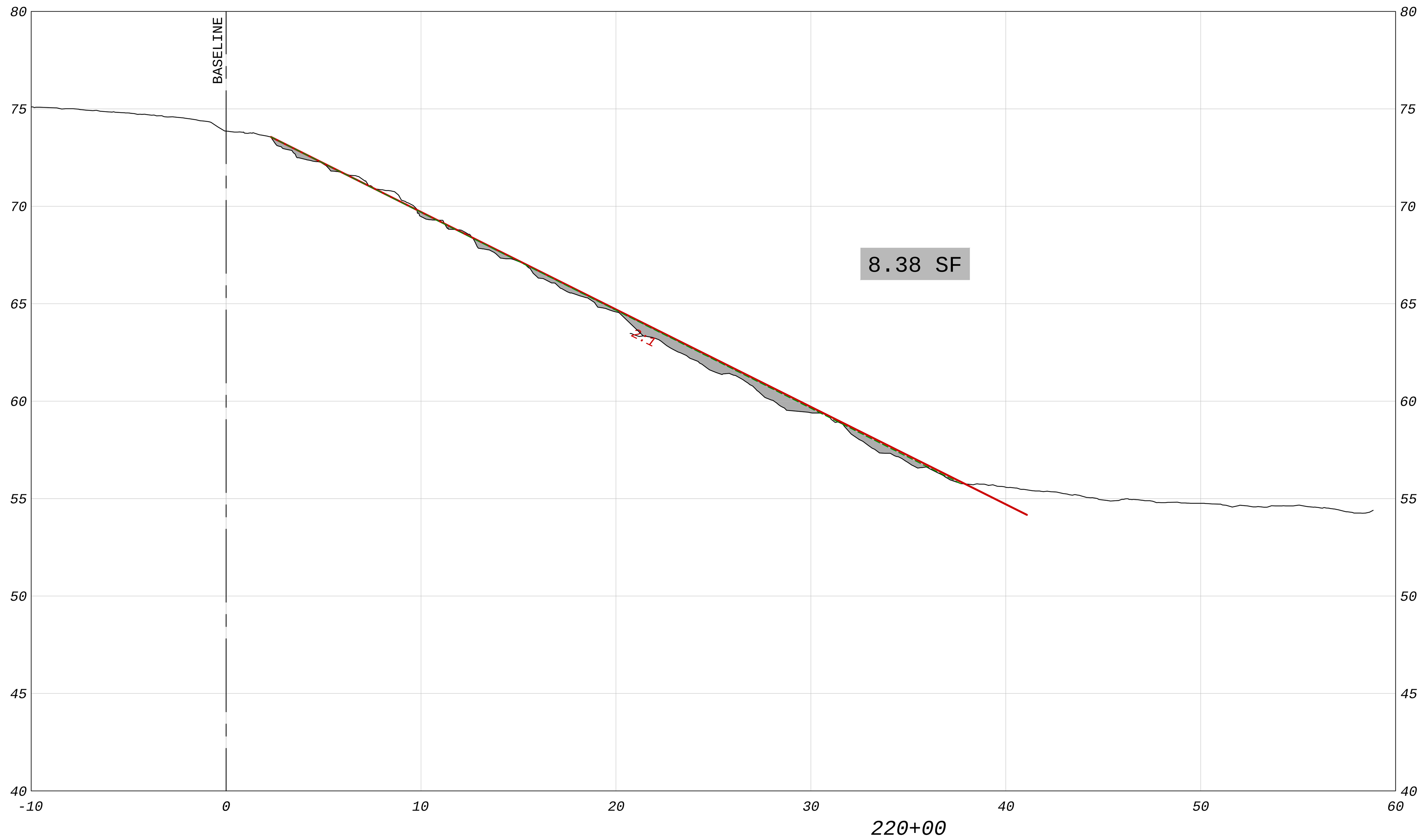
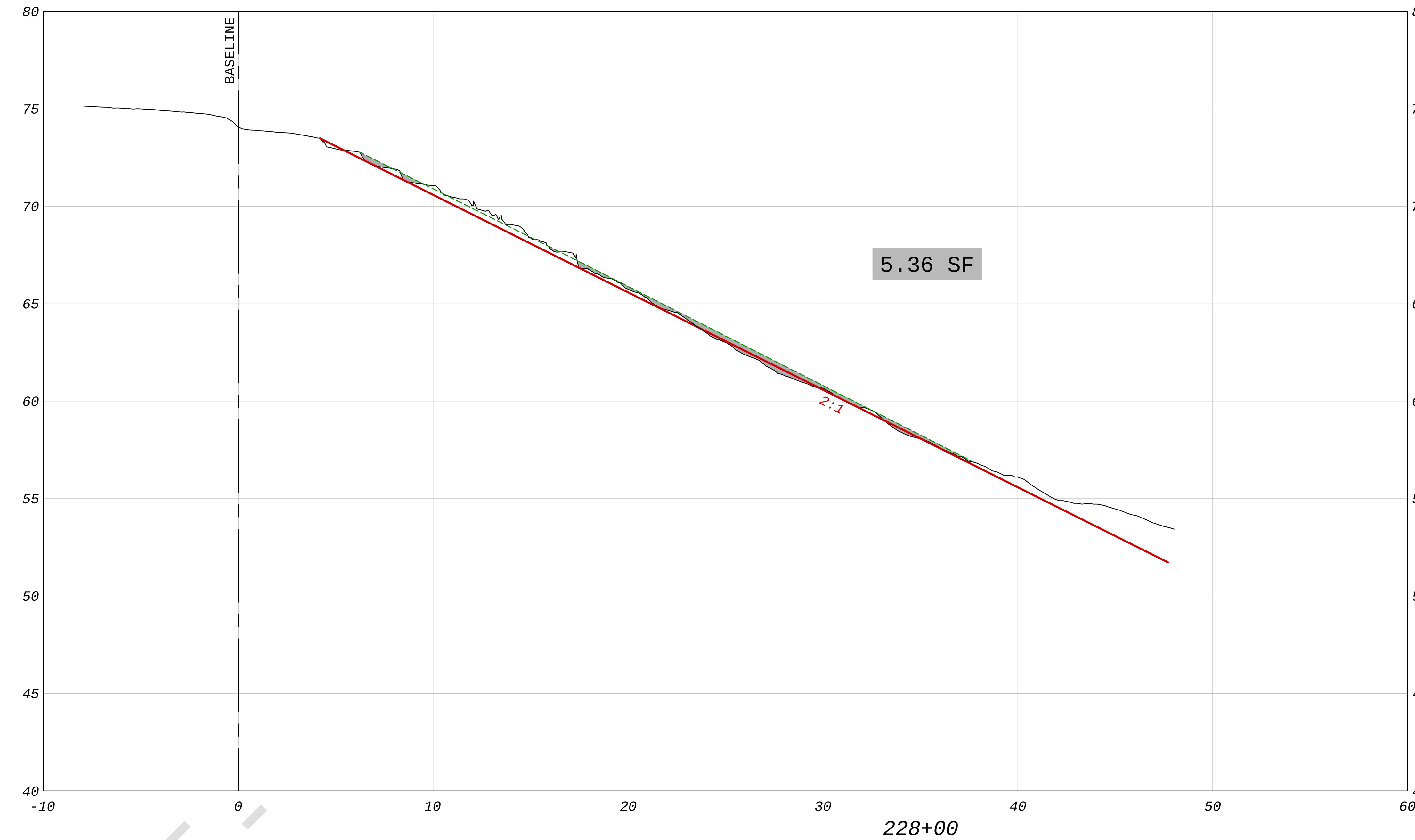
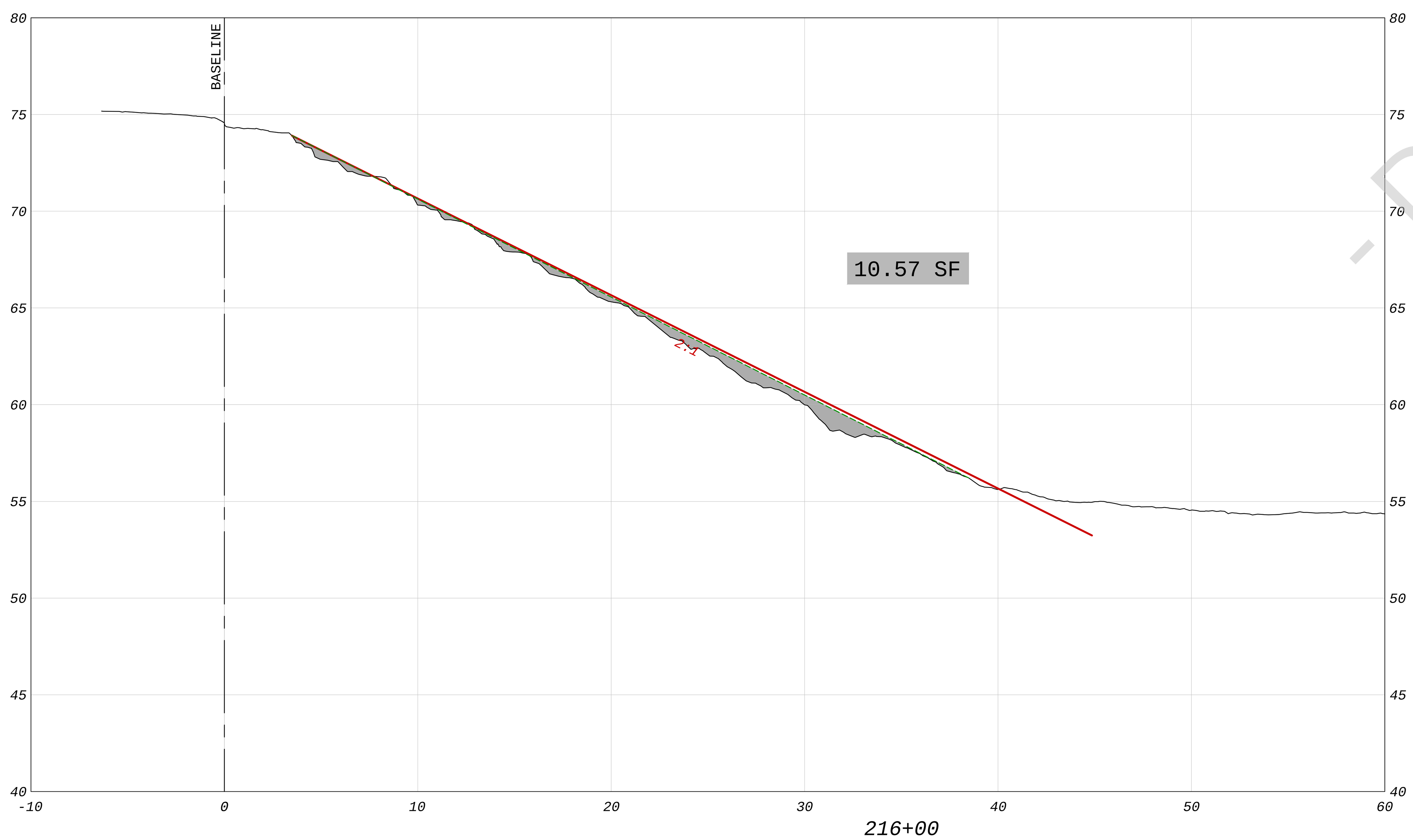
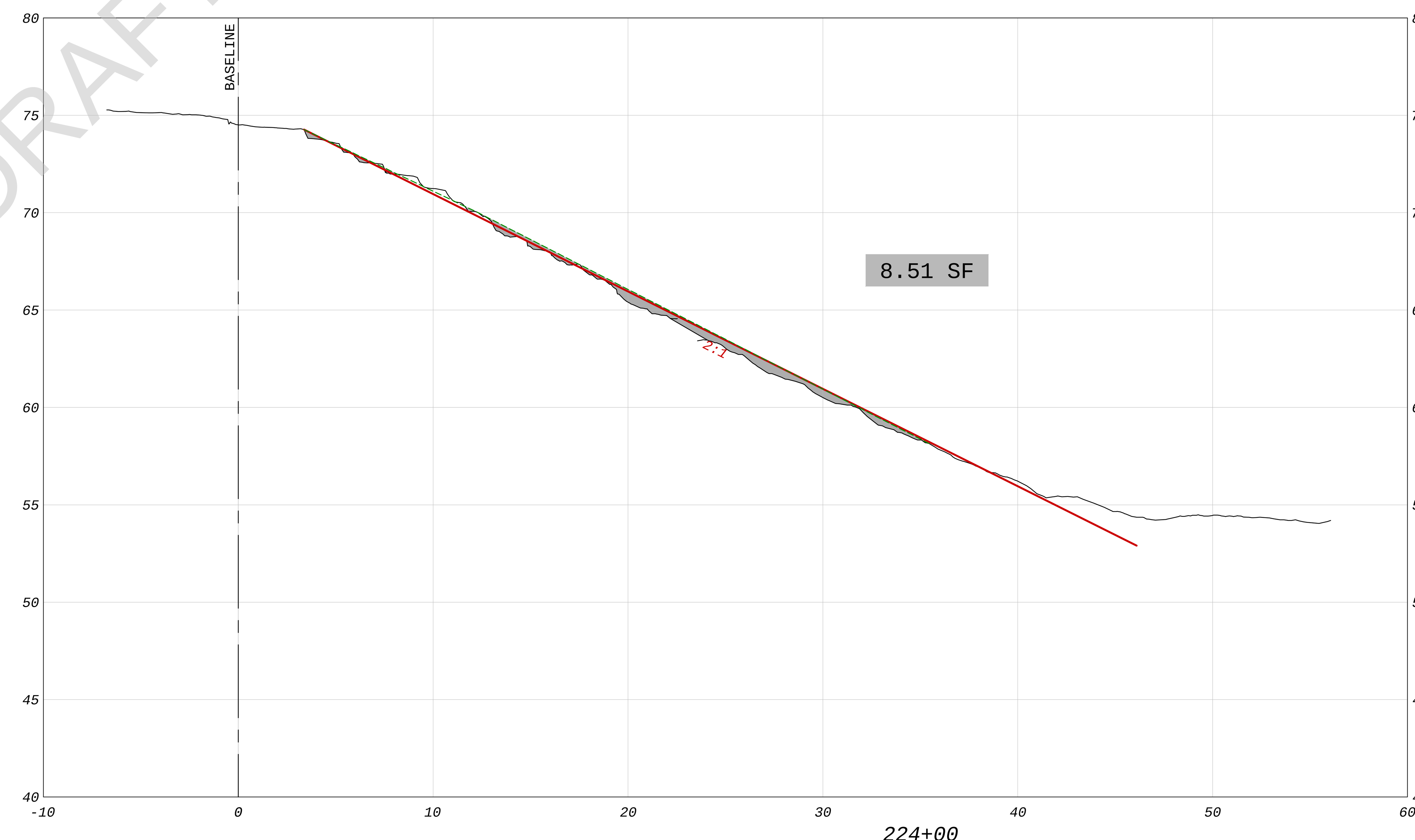




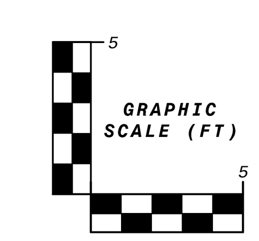




- DRAFT -

LEGEND
EXISTING GRADE
ORIGINAL DESIGN SLOPE
PROJECTED SLOPE ALONG HIGH POINT OF STEPS
AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015



REVISION | DATE | NO.

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Amec Foster Wheeler
Environment & Infrastructure, Inc.
2000 E. Edgewood Dr., Suite 215, Lakeland, FL 33803
Phone: 1.863.667.2345 Fax: 1.863.667.2667
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 216+00 TO STA 228+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

14

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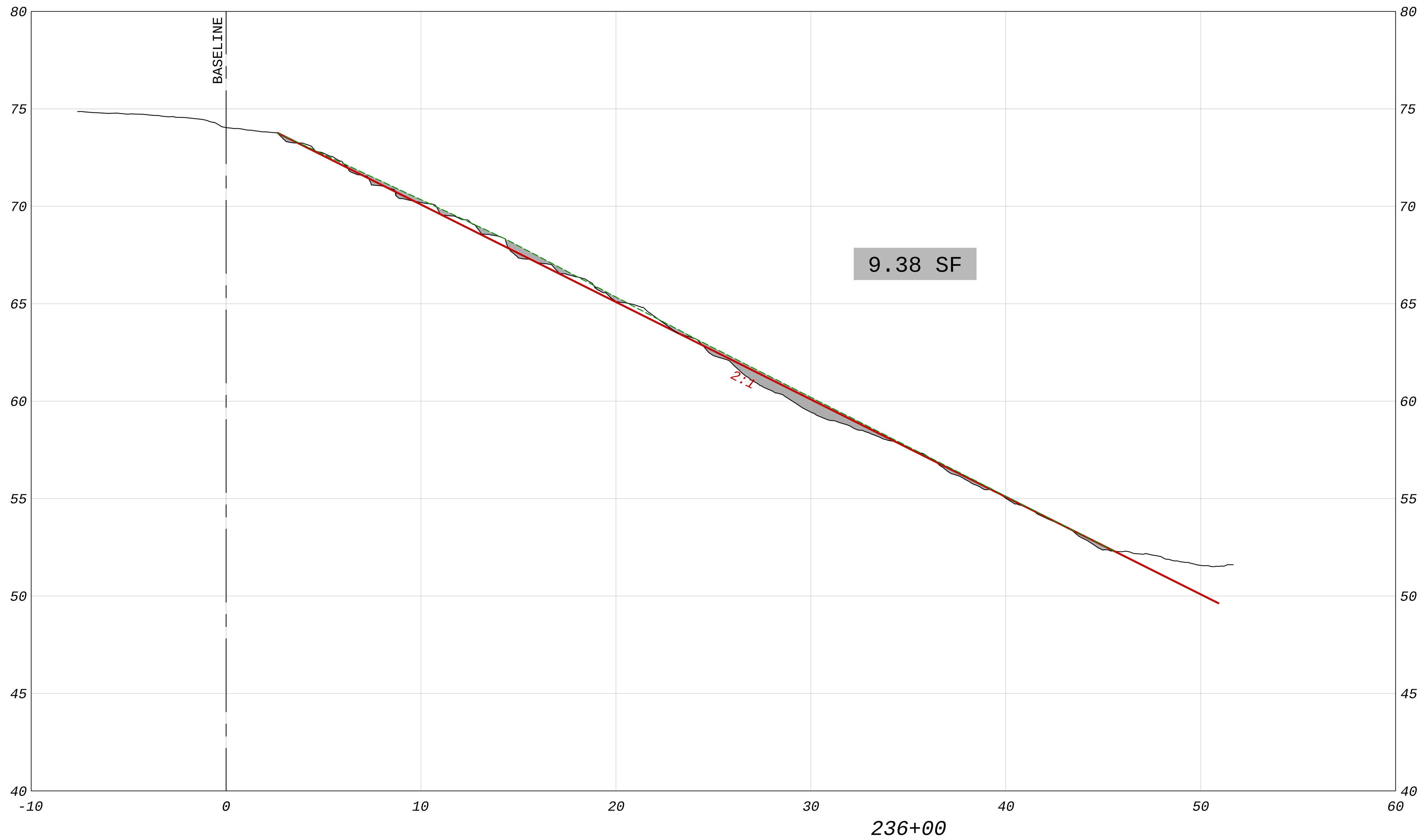

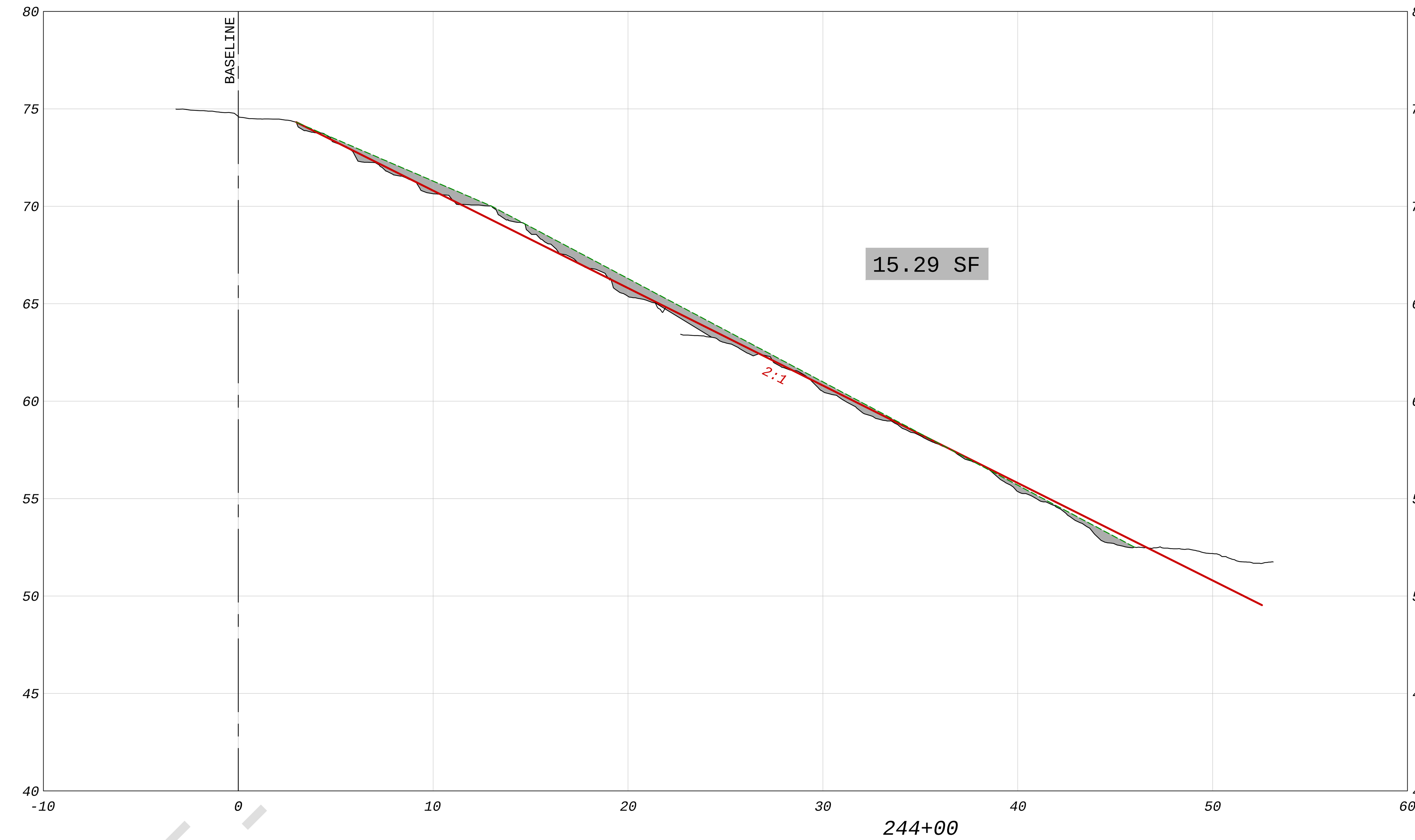

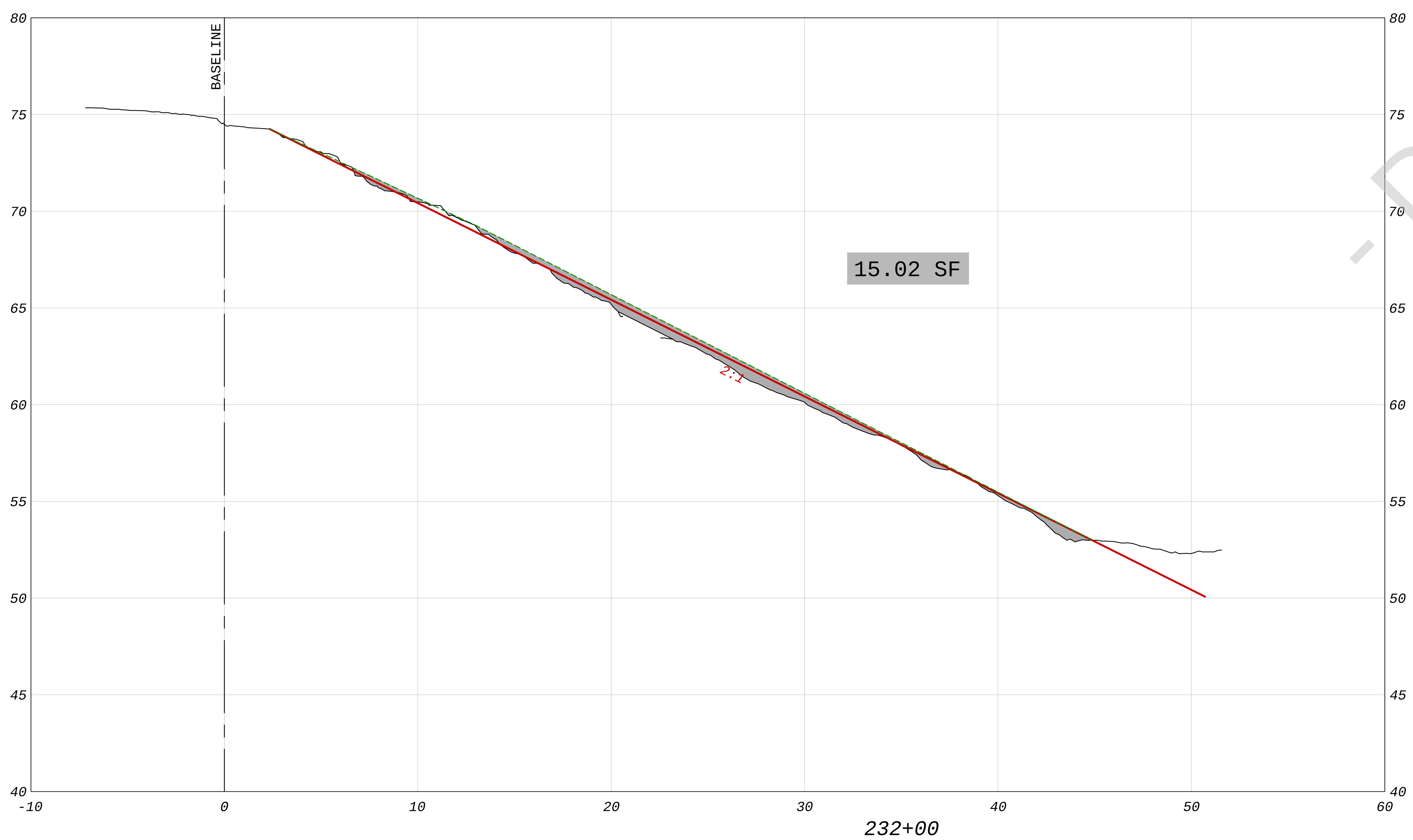

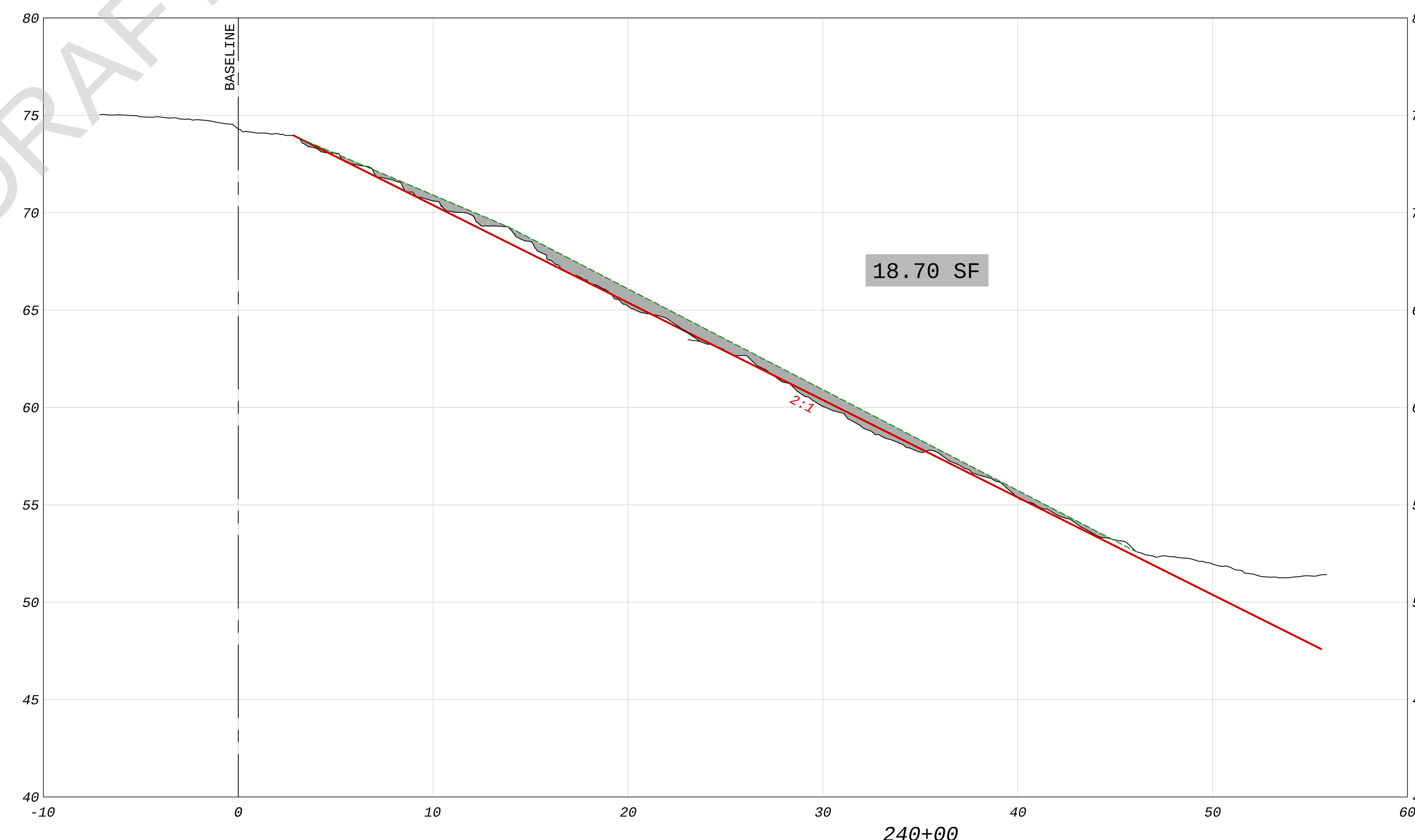

- DRAFT -

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

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amec foster wheeler
Amec Foster Wheeler
Environment & Infrastructure, Inc.
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MANATEE COOLING POND

FLORIDA POWER & LIGHT COMPANY

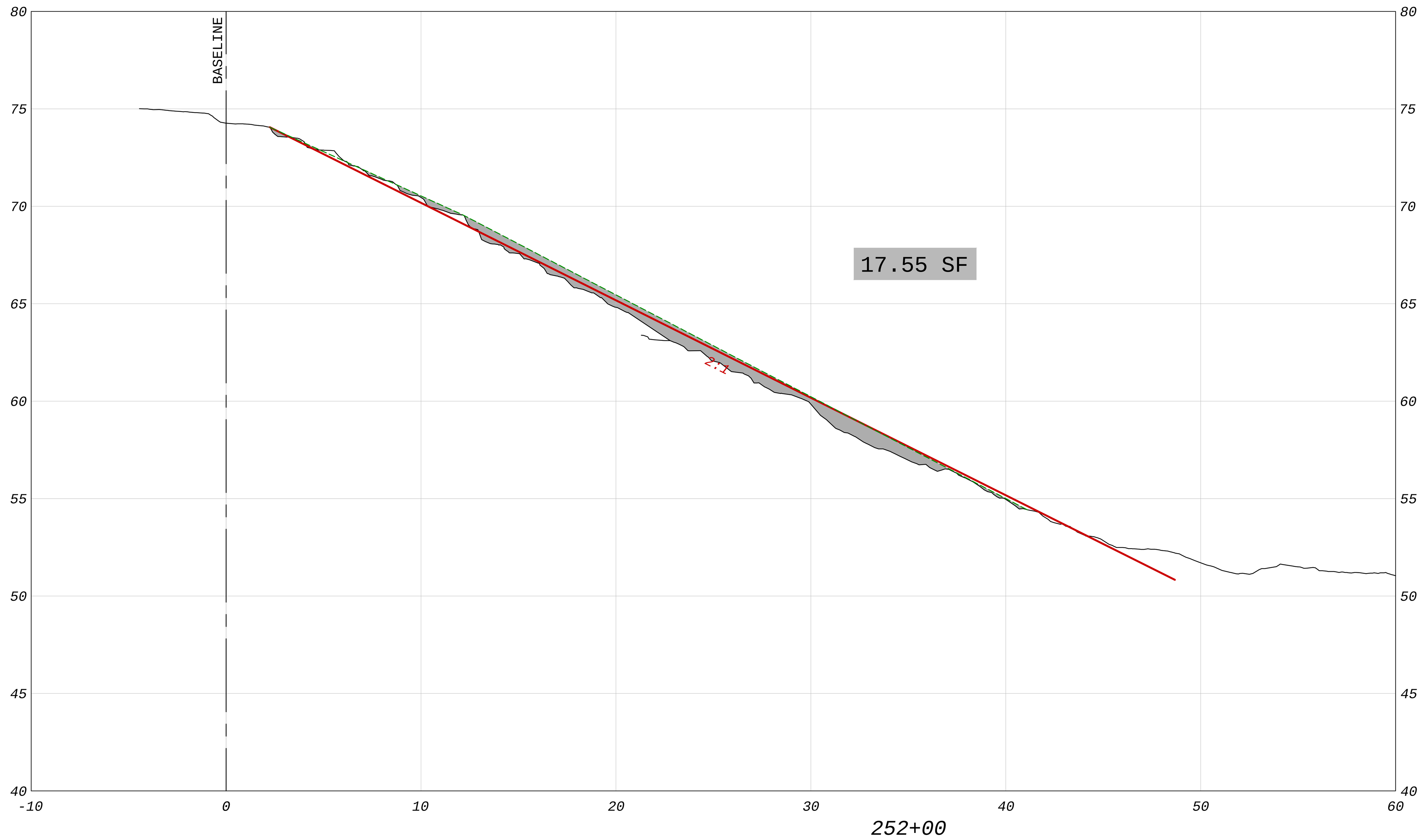
CROSS SECTIONS
STA 232+00 TO STA 244+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

15



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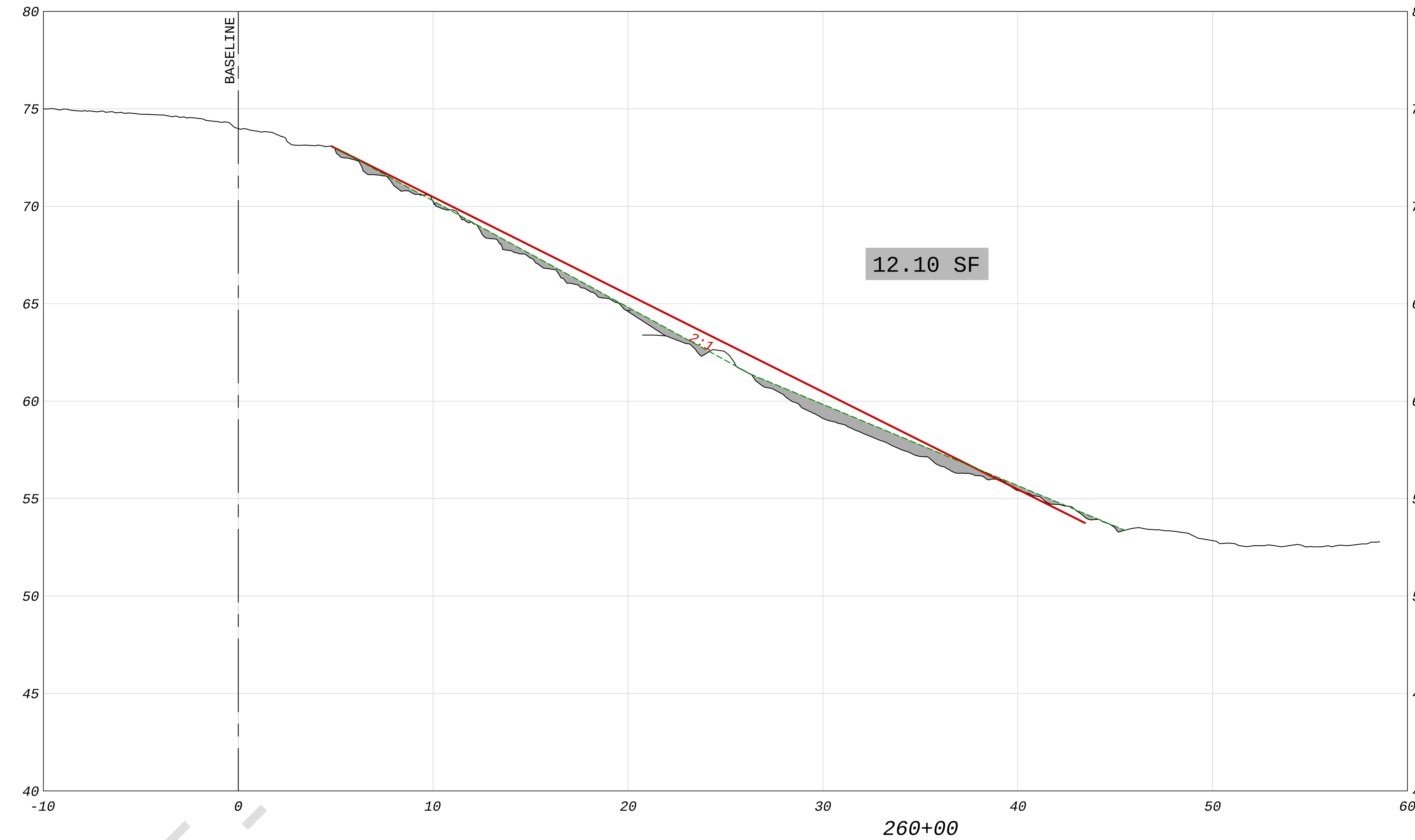

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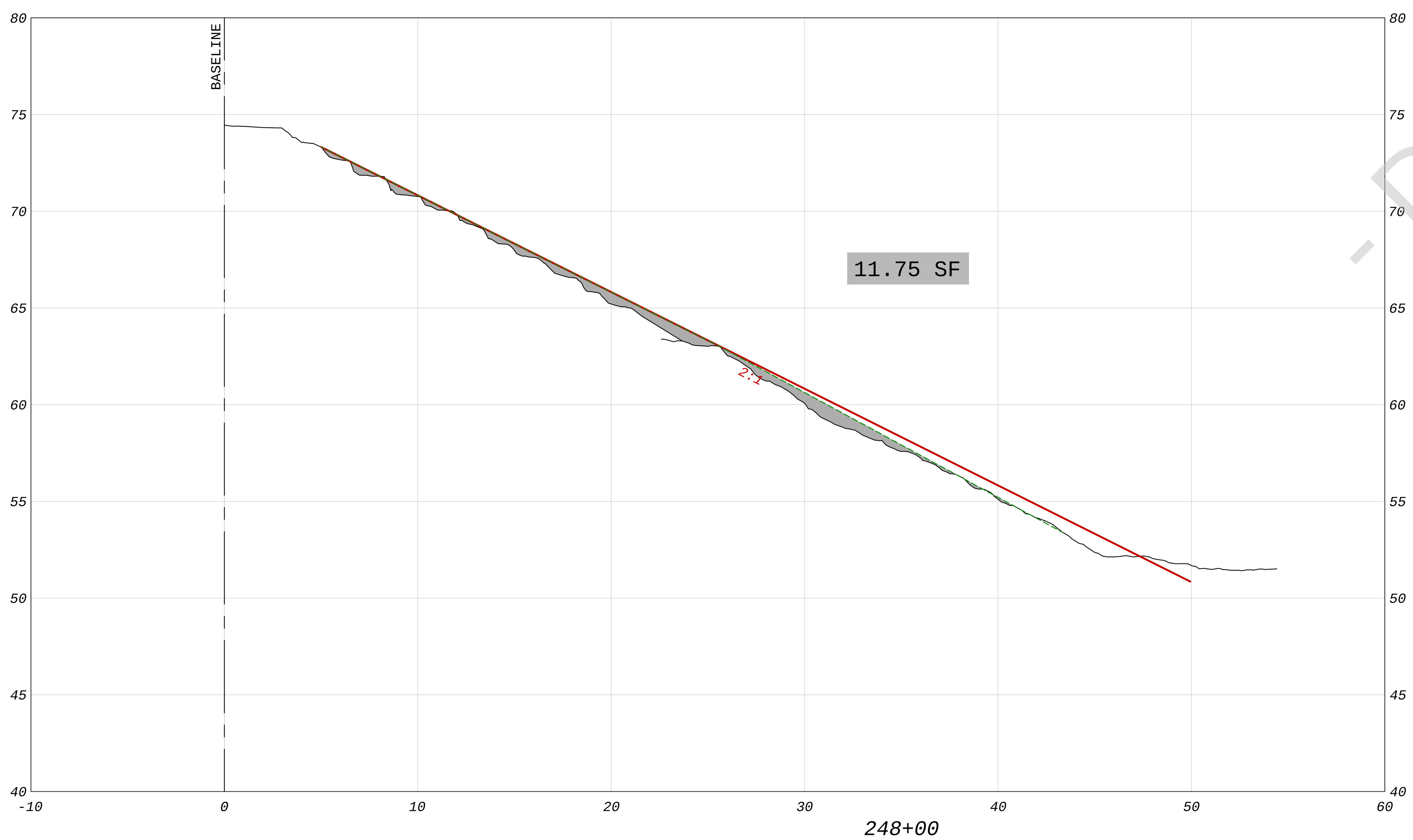

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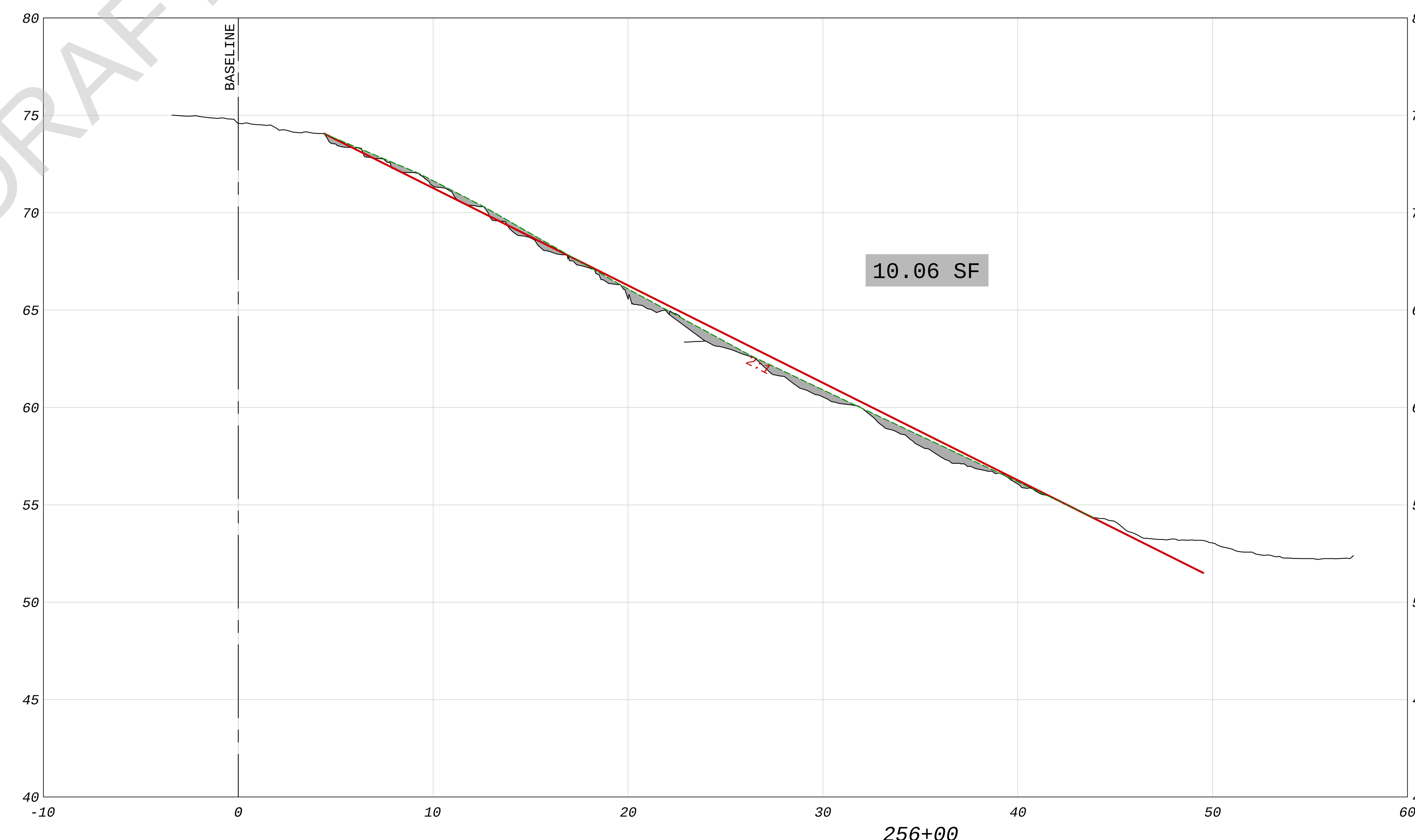

256+00

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

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Amec Foster Wheeler
Environment & Infrastructure, Inc.
2000 E. Edgewood Dr., Suite 215, Lakeland, FL 33803
Phone: 1.863.667.2345 Fax: 1.863.667.2667
www.amecfw.com CA-5392

MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 248+00 TO STA 260+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

16

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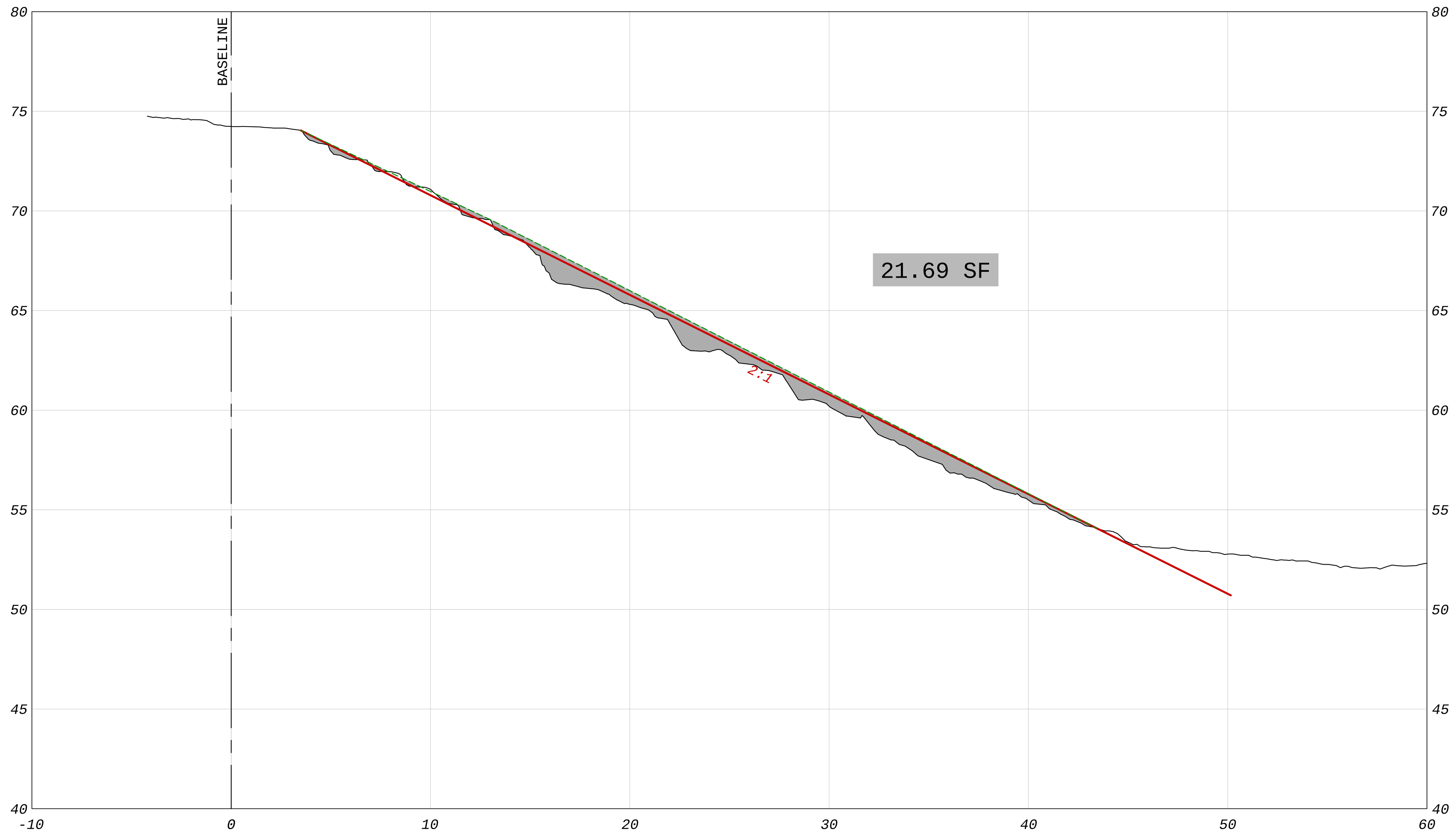

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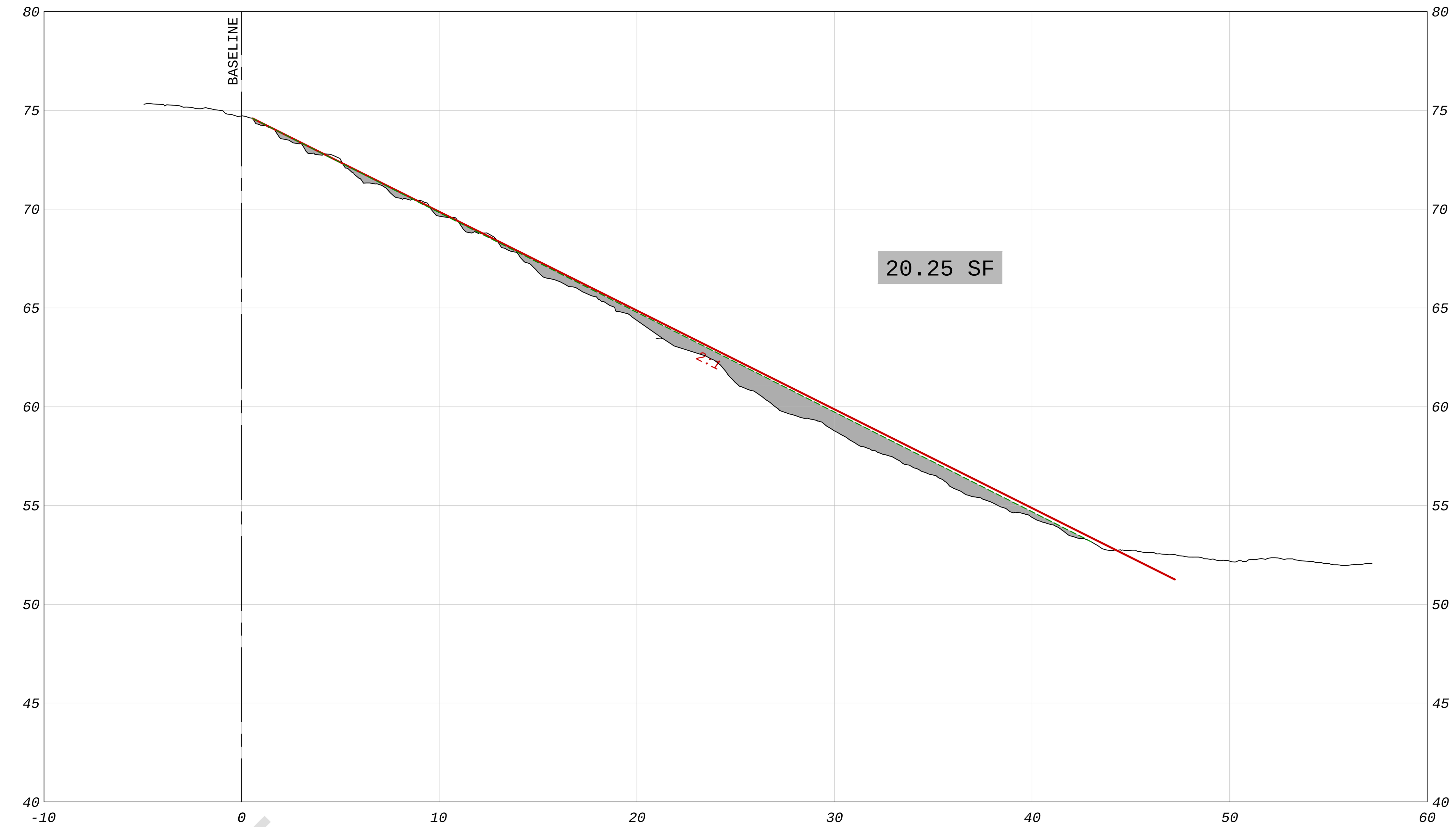

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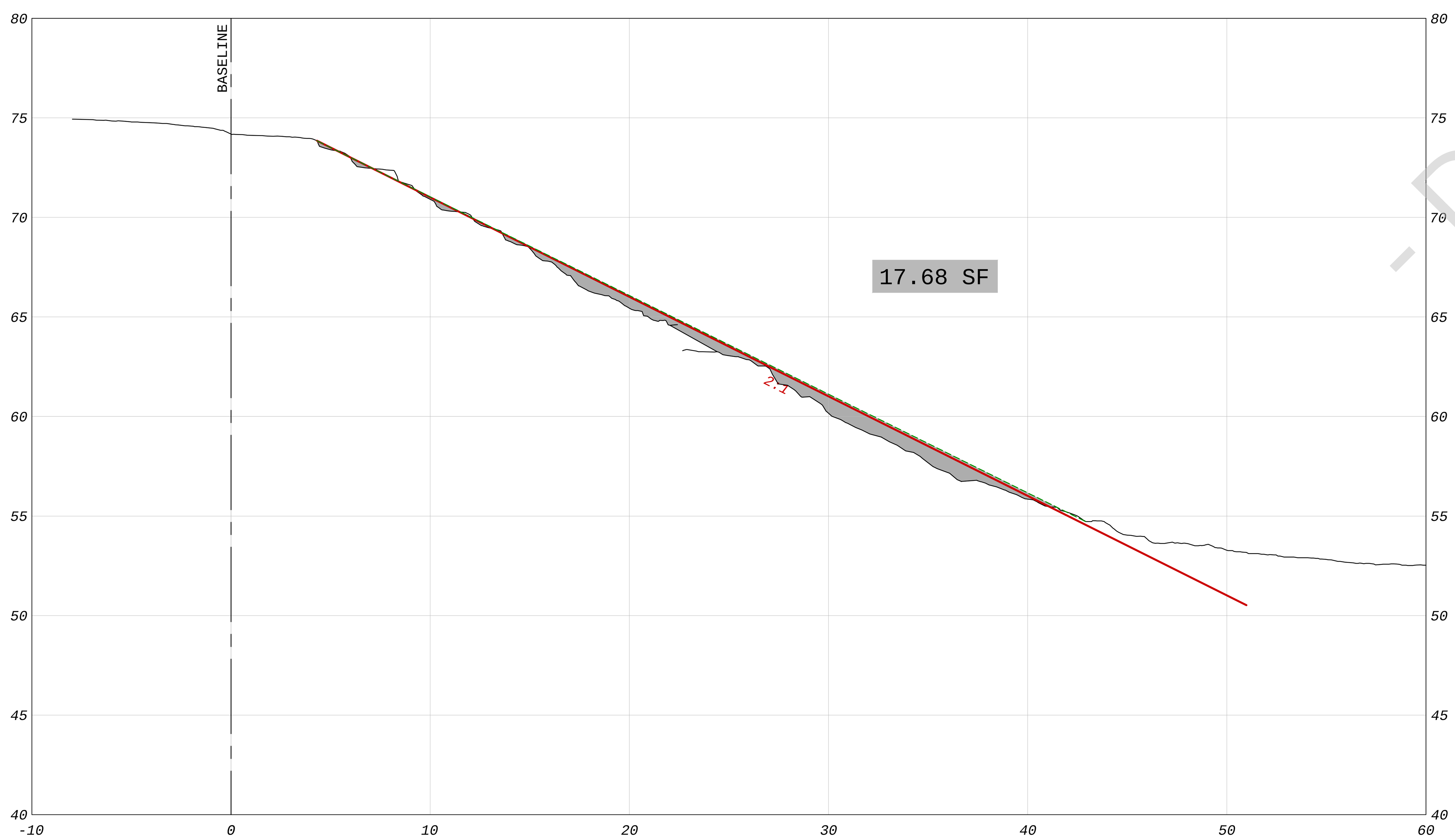

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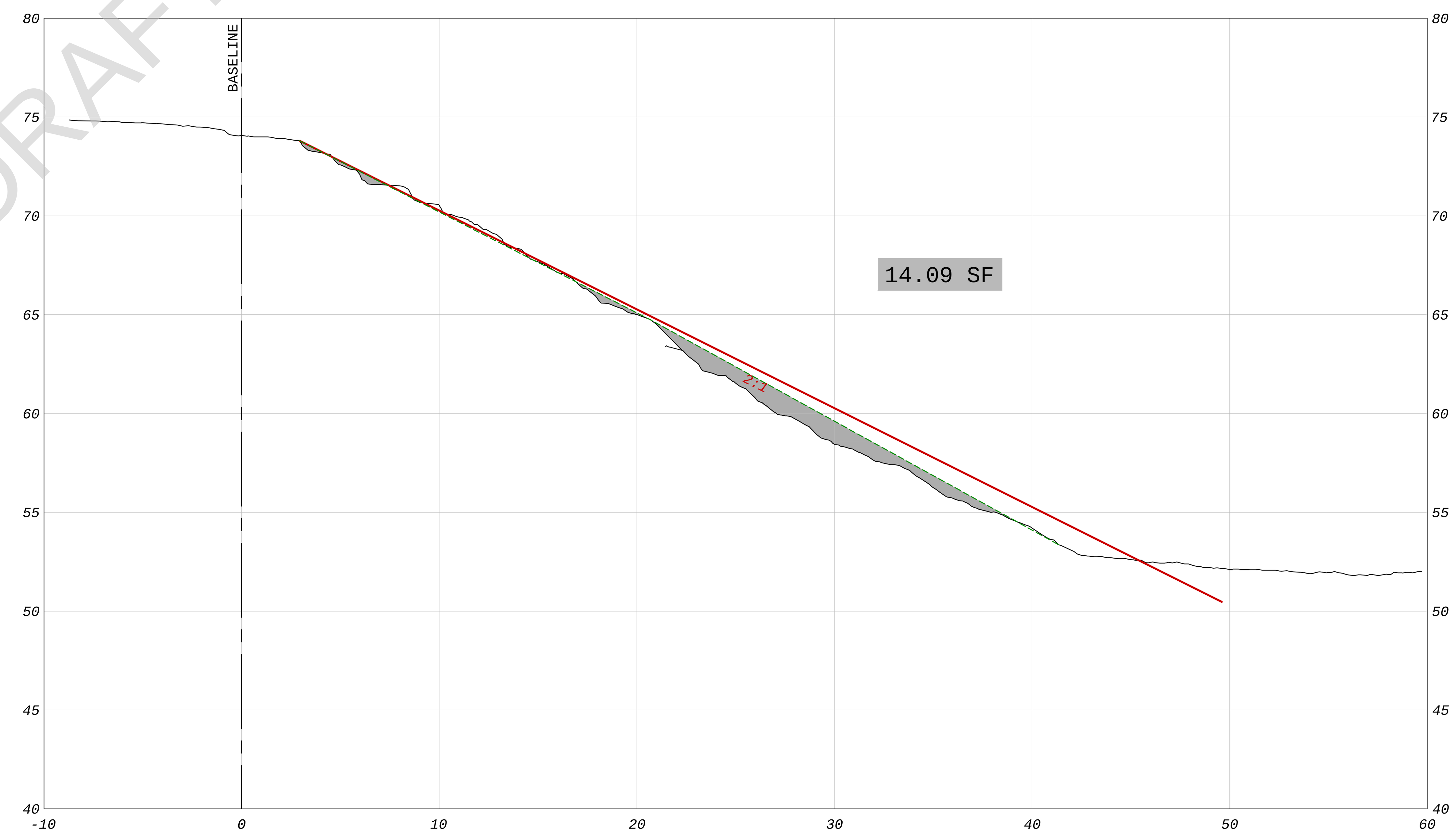

272+00

- DRAFT -

LEGEND

—	EXISTING GRADE
—	ORIGINAL DESIGN SLOPE
- - -	PROJECTED SLOPE ALONG HIGH POINT OF STEPS
▒	AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

P:\PROJECTS-C3D\300906_Manatee_Cooling_Pond\dwg\300906 Cross-Sections-04.dwg 5/15/2015 12:52 PM

NO. | DATE | REVISION

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Phone: 1.863.667.2345 Fax: 1.863.667.2667
www.amecfw.com CA-5392

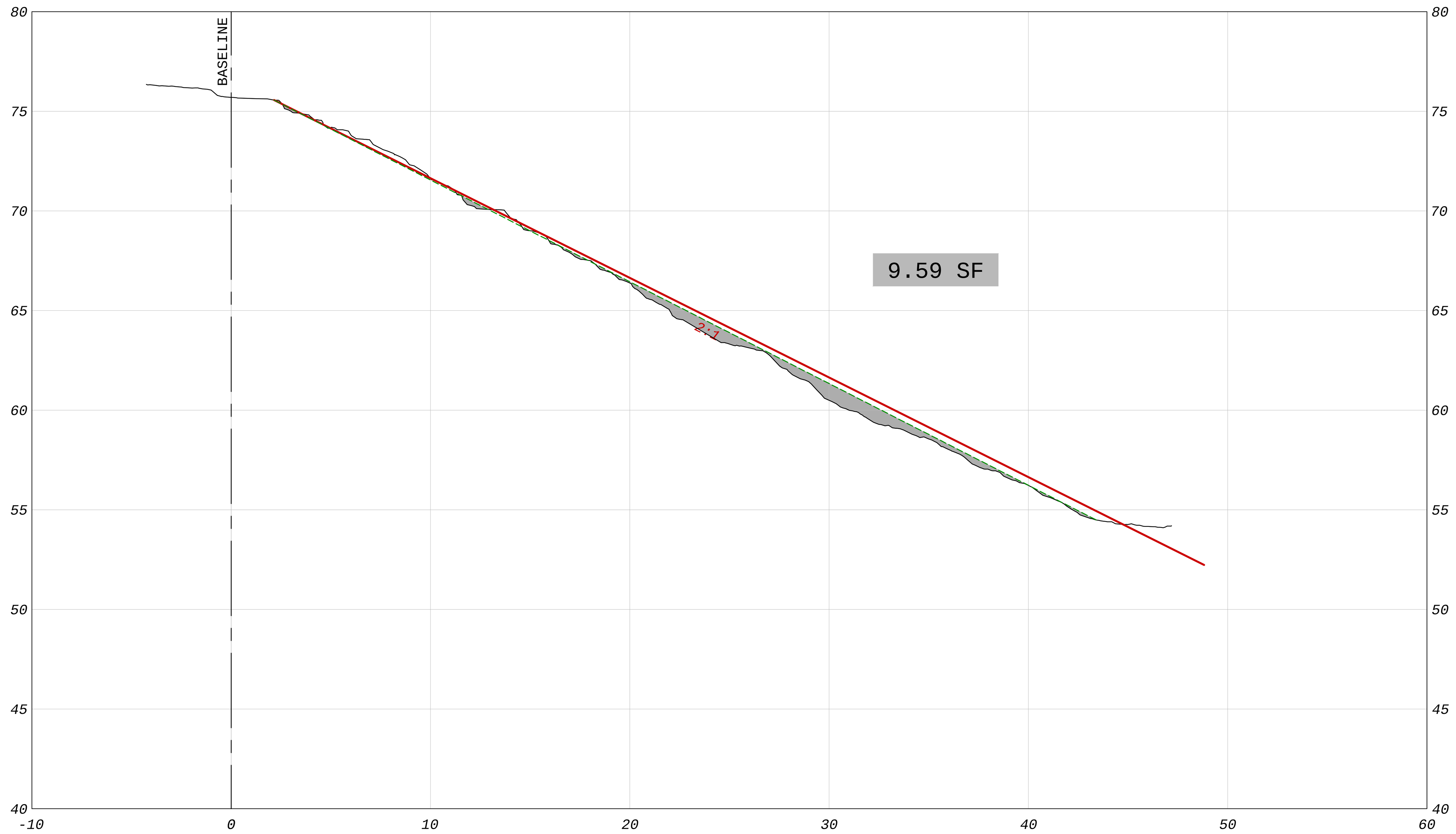
MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 264+00 TO STA 276+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823
DATE:

17



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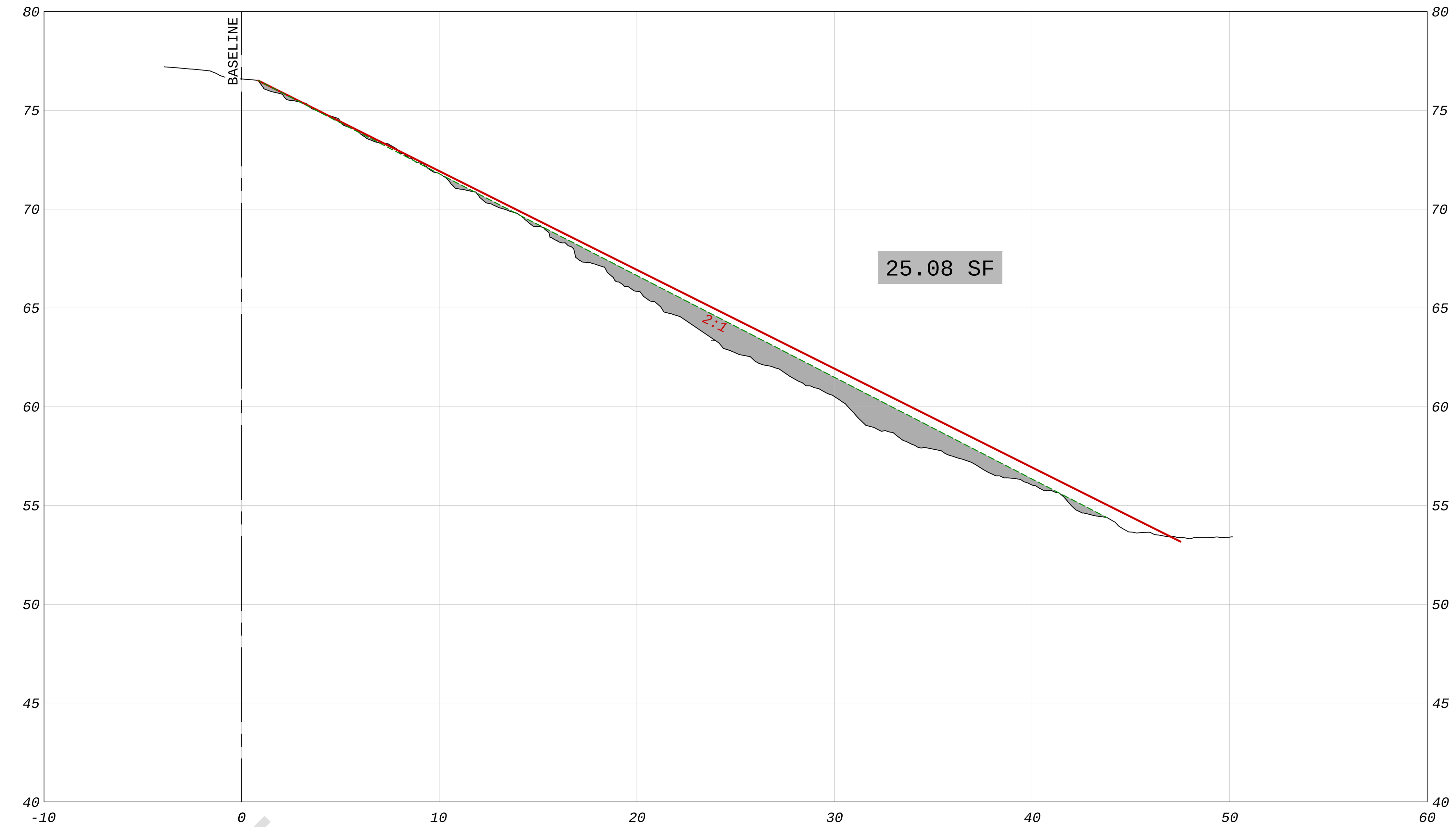

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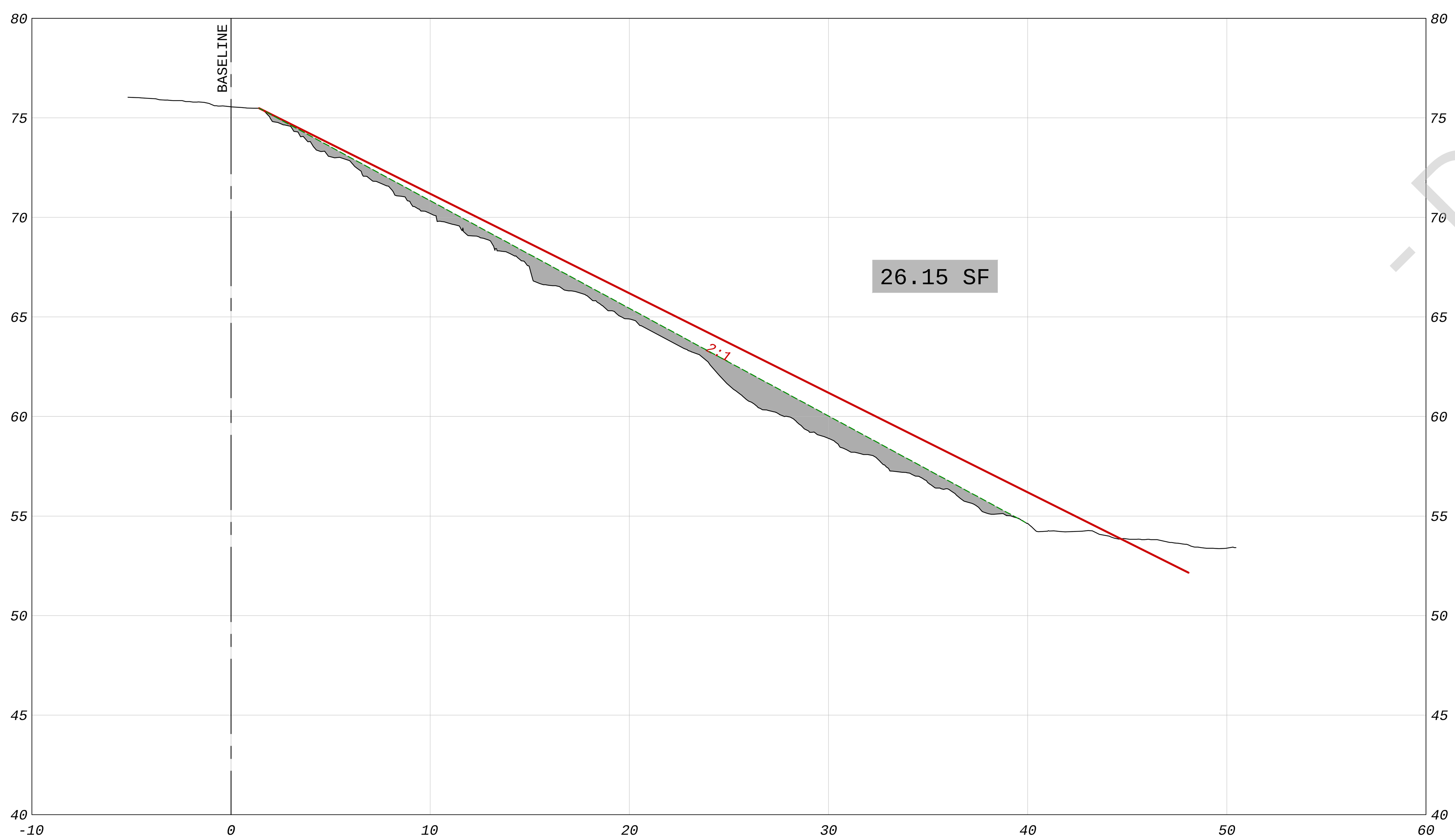

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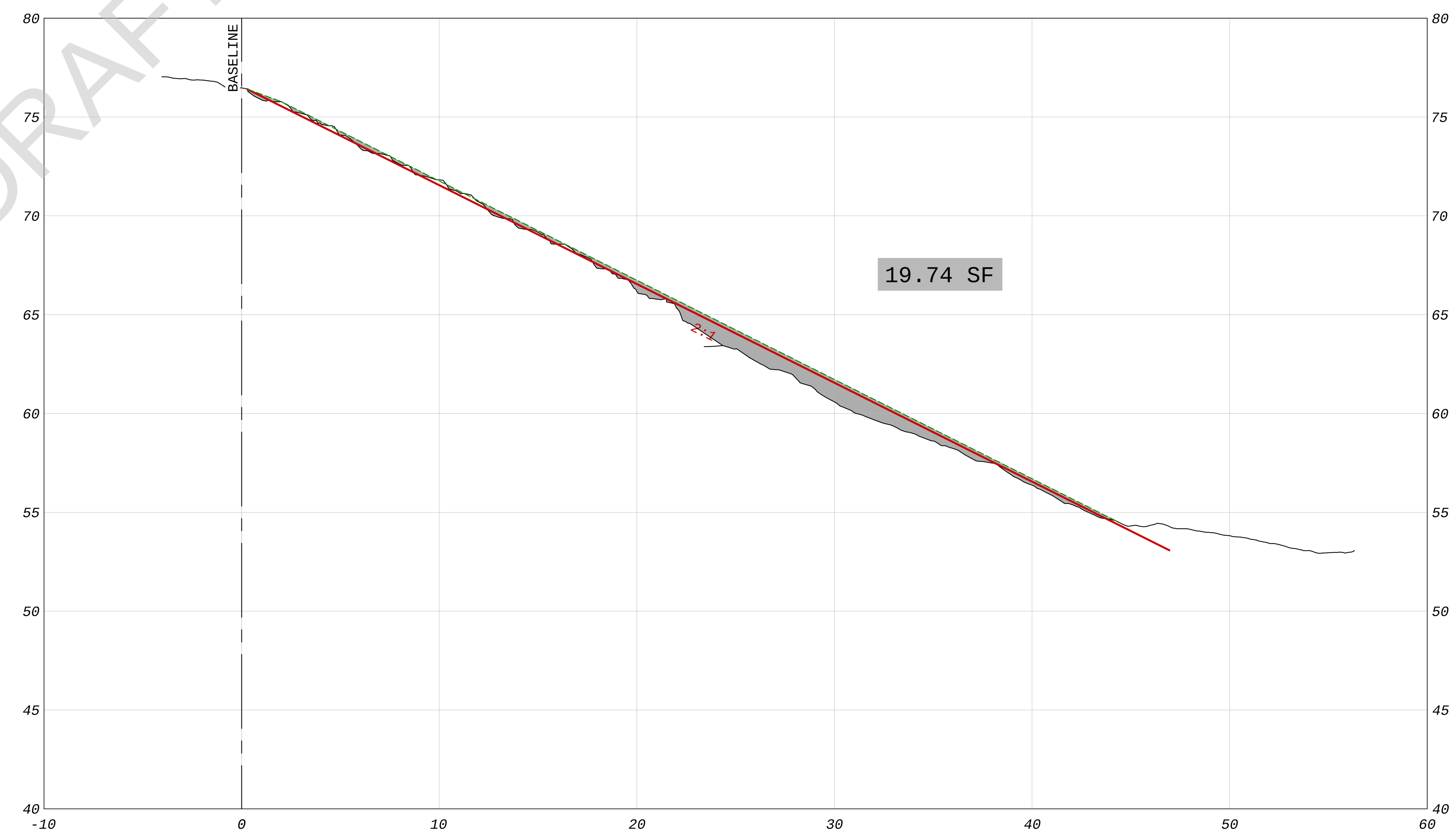

288+00

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

NO.	DATE	REVISION

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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

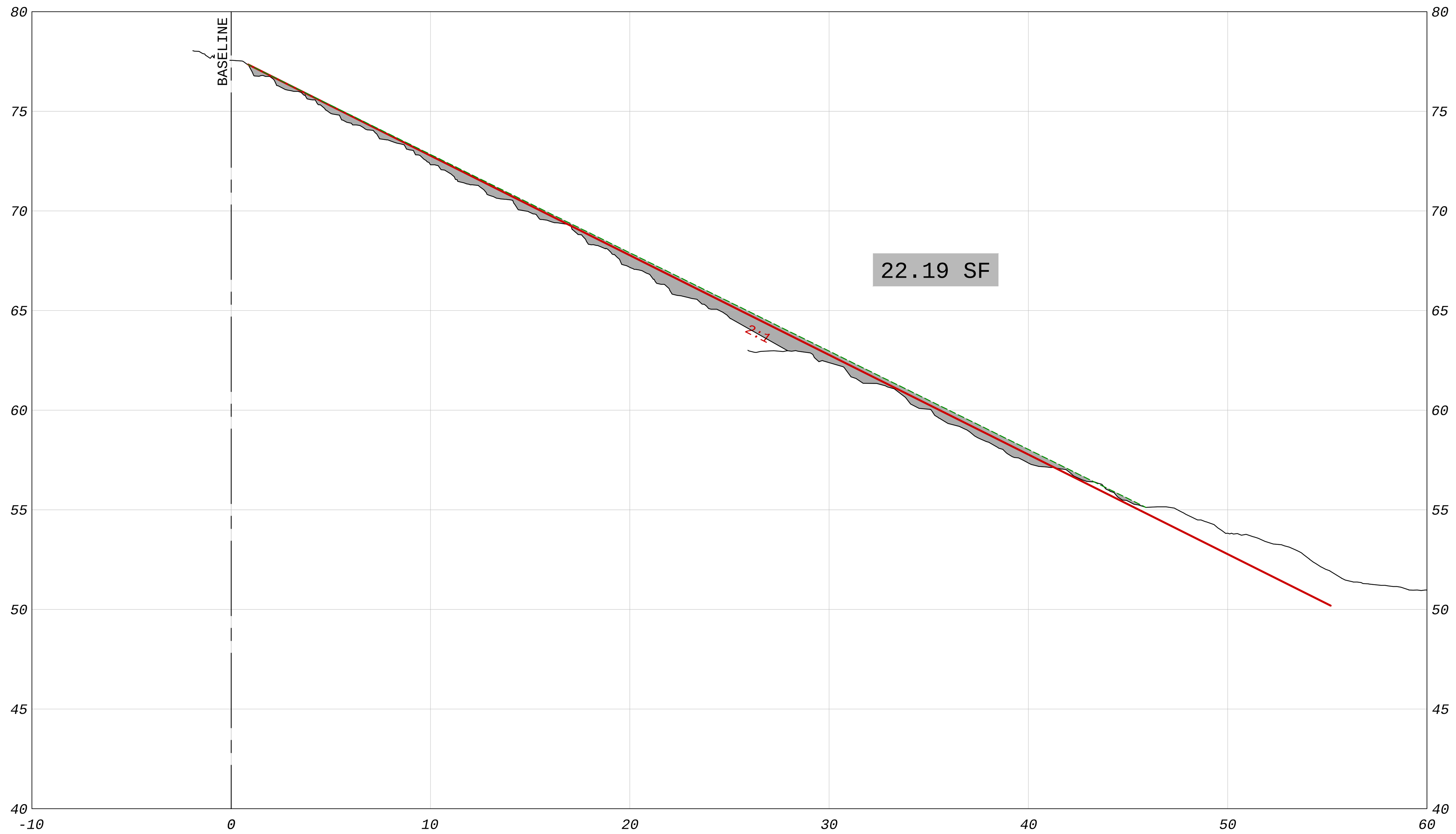
CROSS SECTIONS
STA 280+00 TO STA 292+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

18



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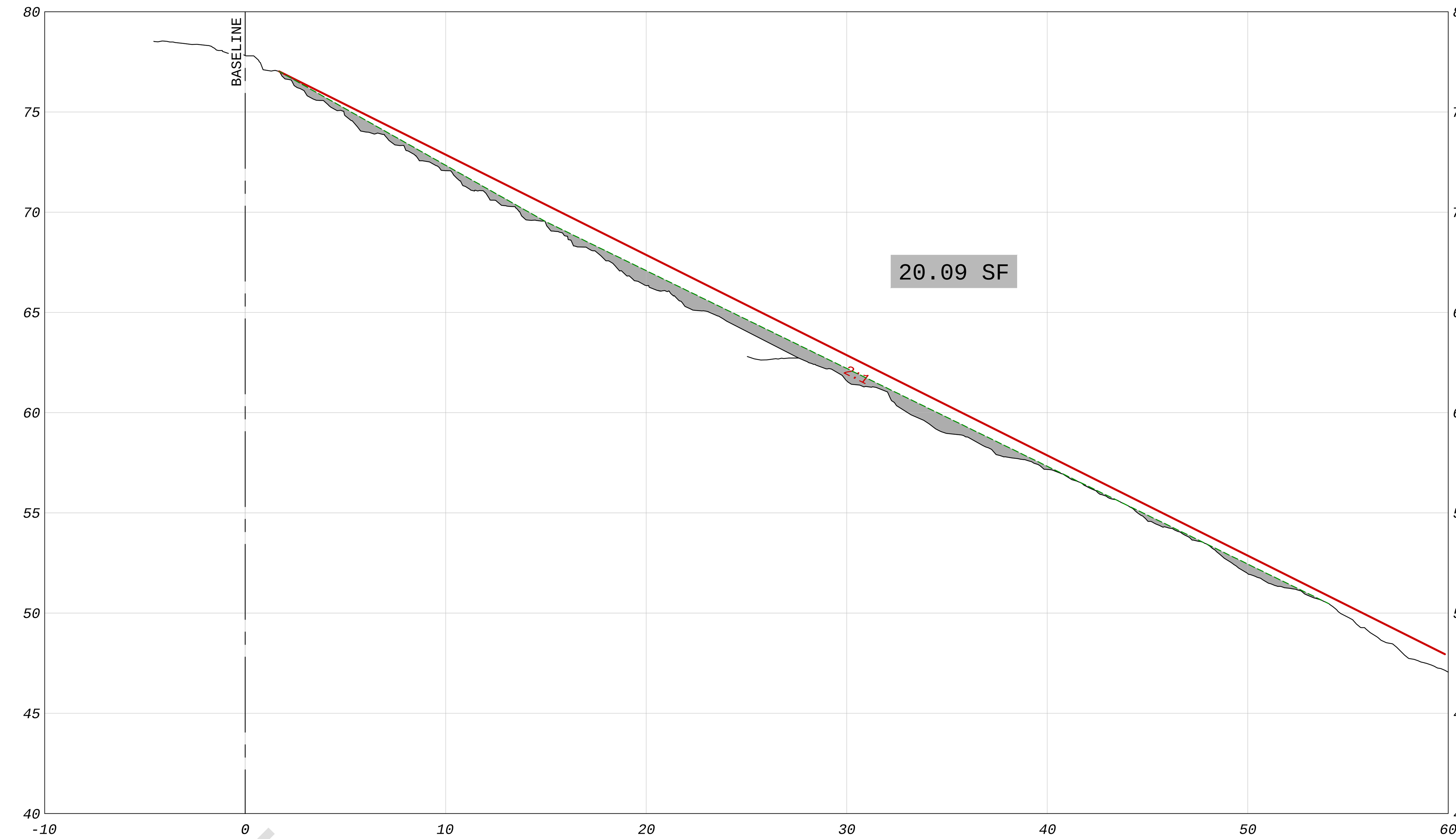

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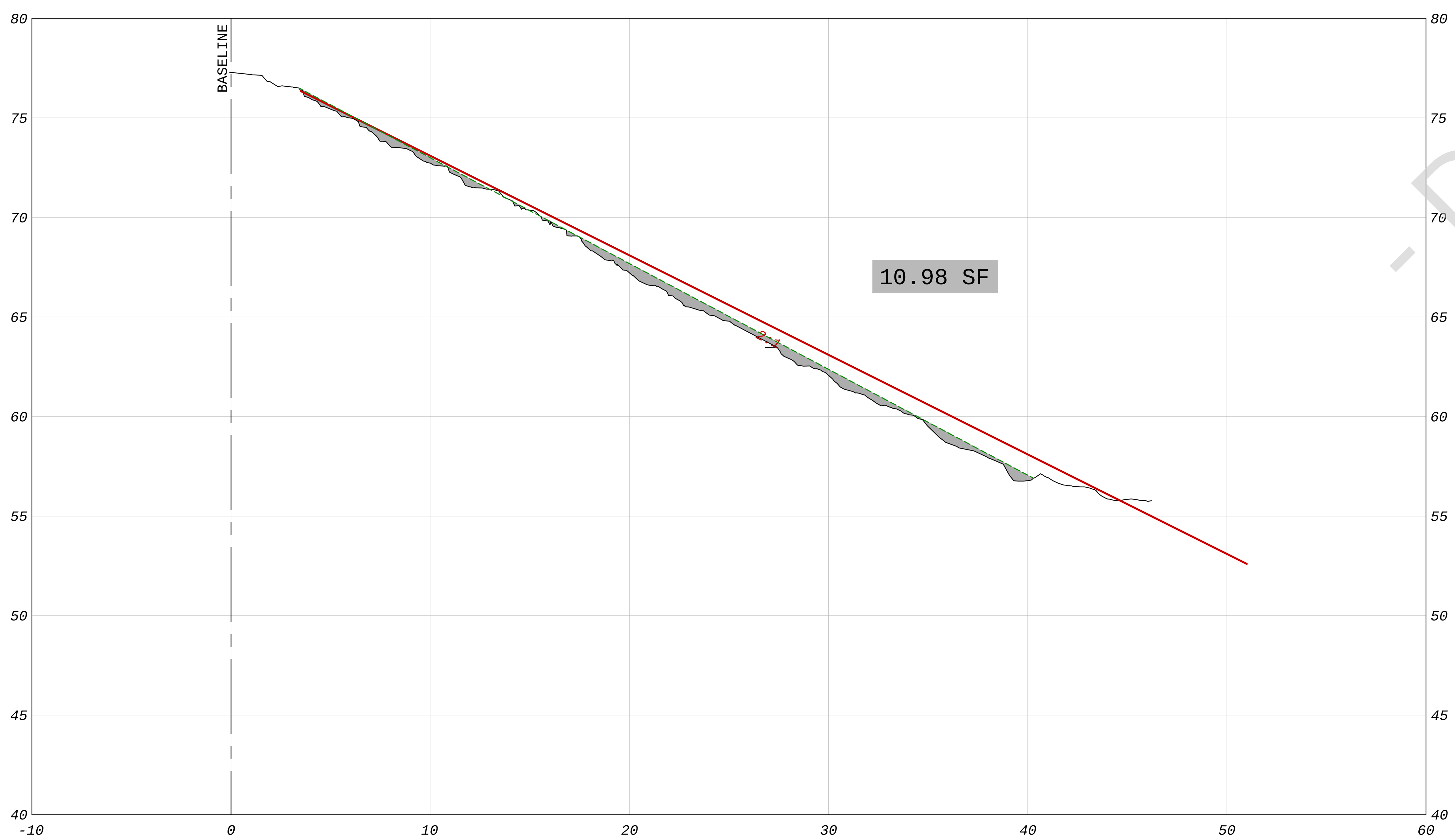

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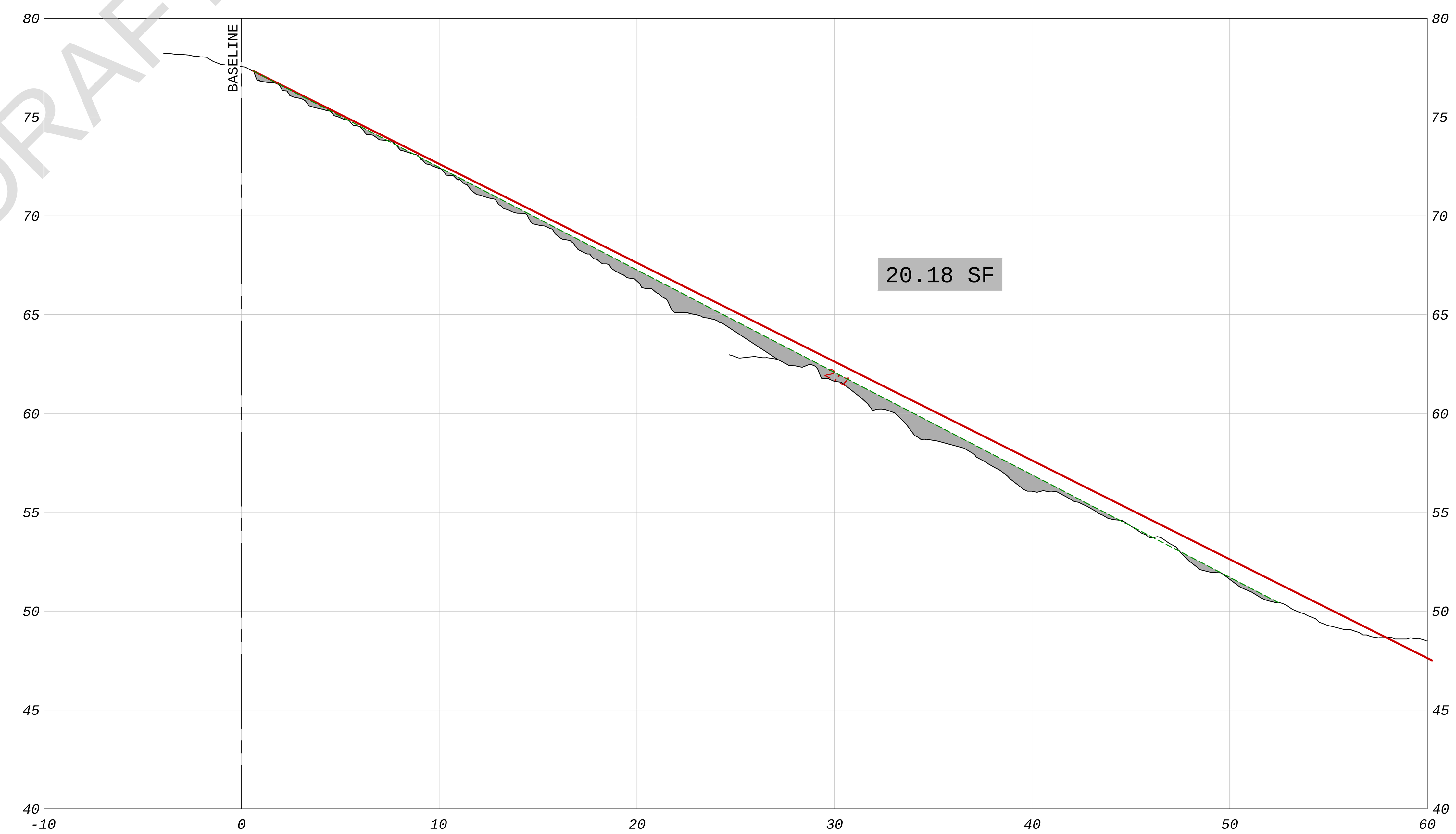


304+00

- DRAFT -

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

P:\PROJECTS-C3D\300906_Manatee_Cooling_Pond\dwg\300906 Cross-Sections-04.dwg 5/15/2015 12:52 PM

NO.	DATE	REVISION

amec foster wheeler
Amec Foster Wheeler
Environment & Infrastructure, Inc.
2000 E. Edgewood Dr., Suite 215, Lakeland, FL 33803
Phone: 1.863.667.2345 Fax: 1.863.667.2667
www.amecfw.com CA-5392

MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

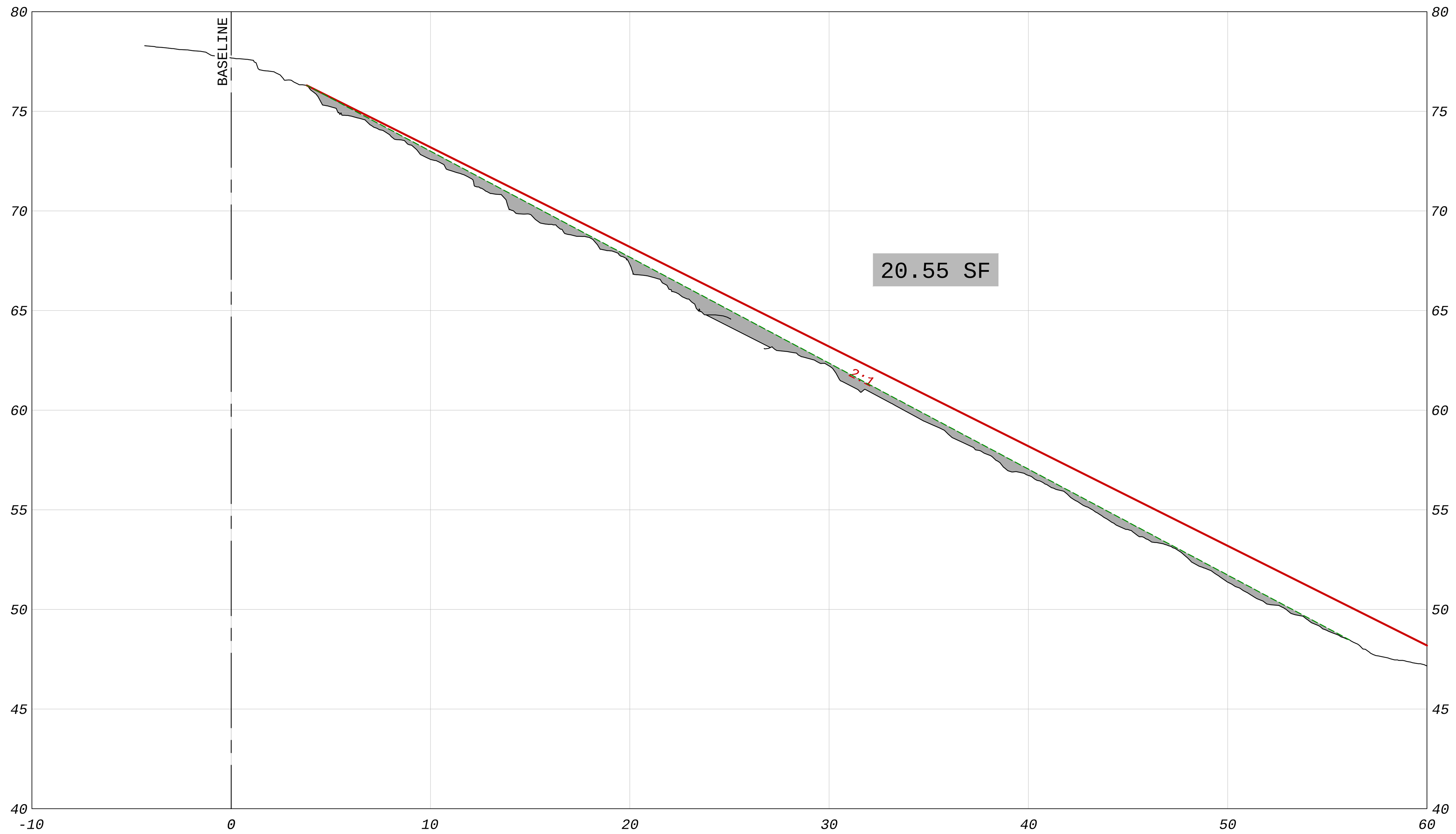
CROSS SECTIONS
STA 296+00 TO STA 308+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

19



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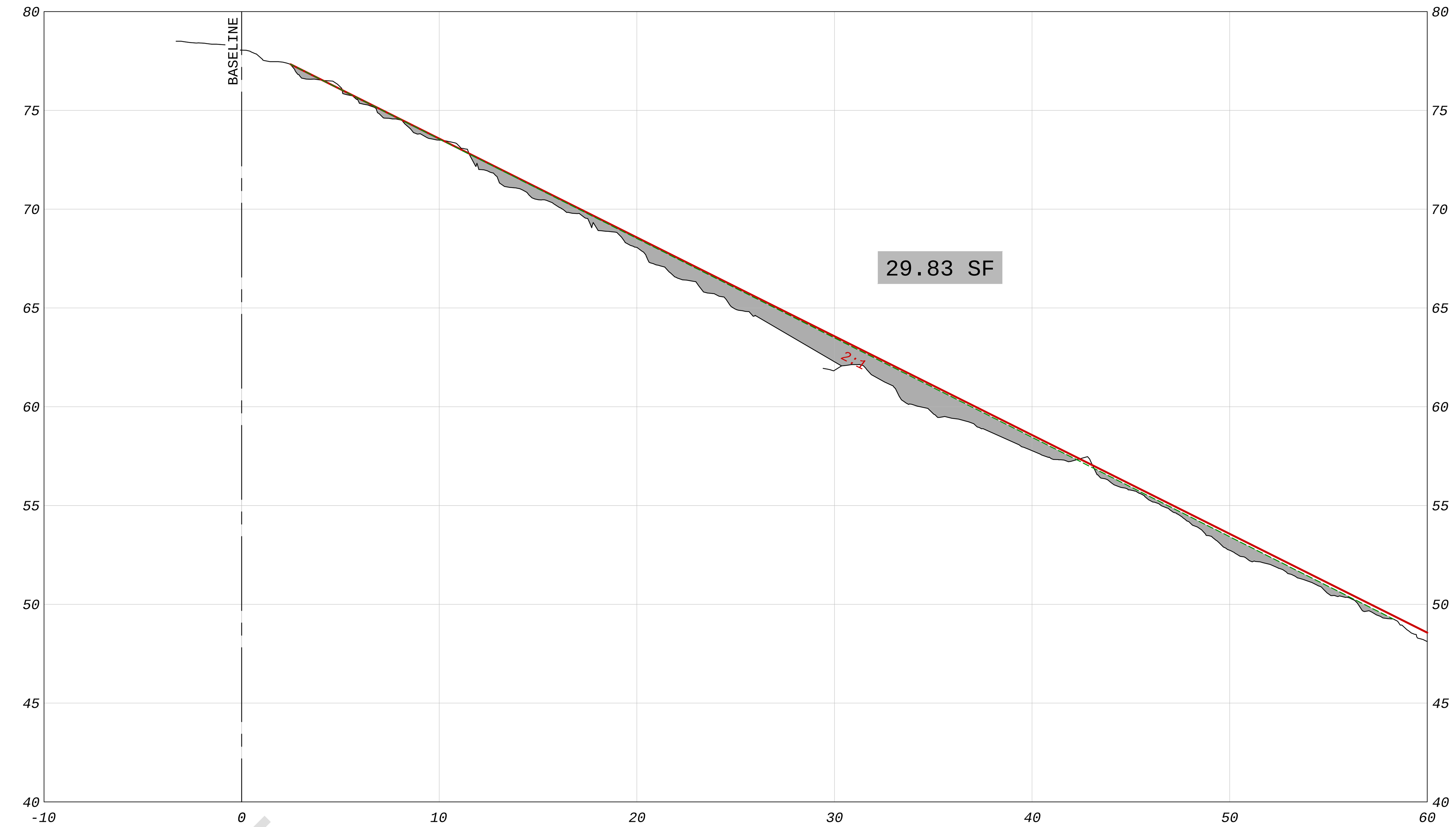

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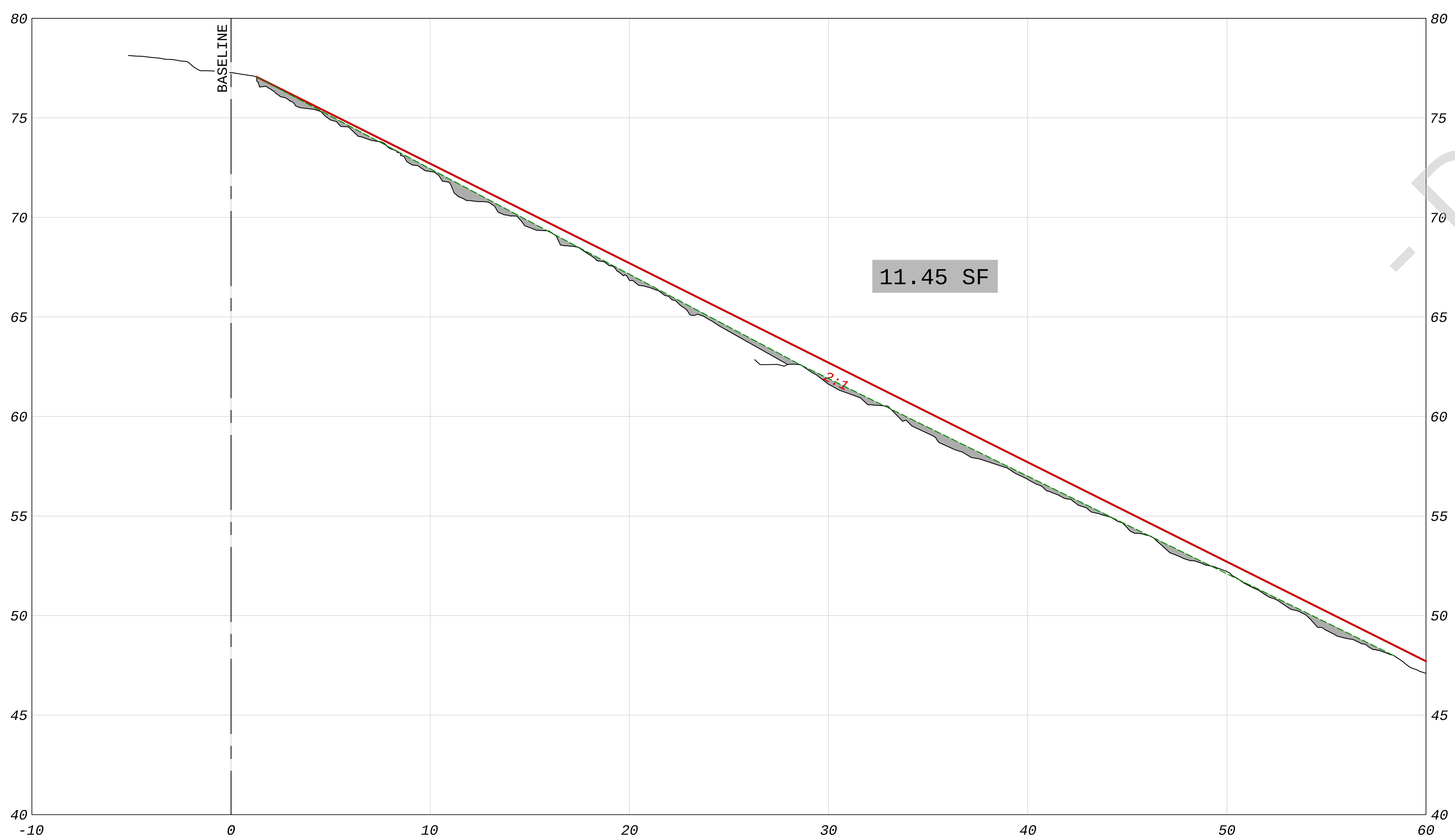
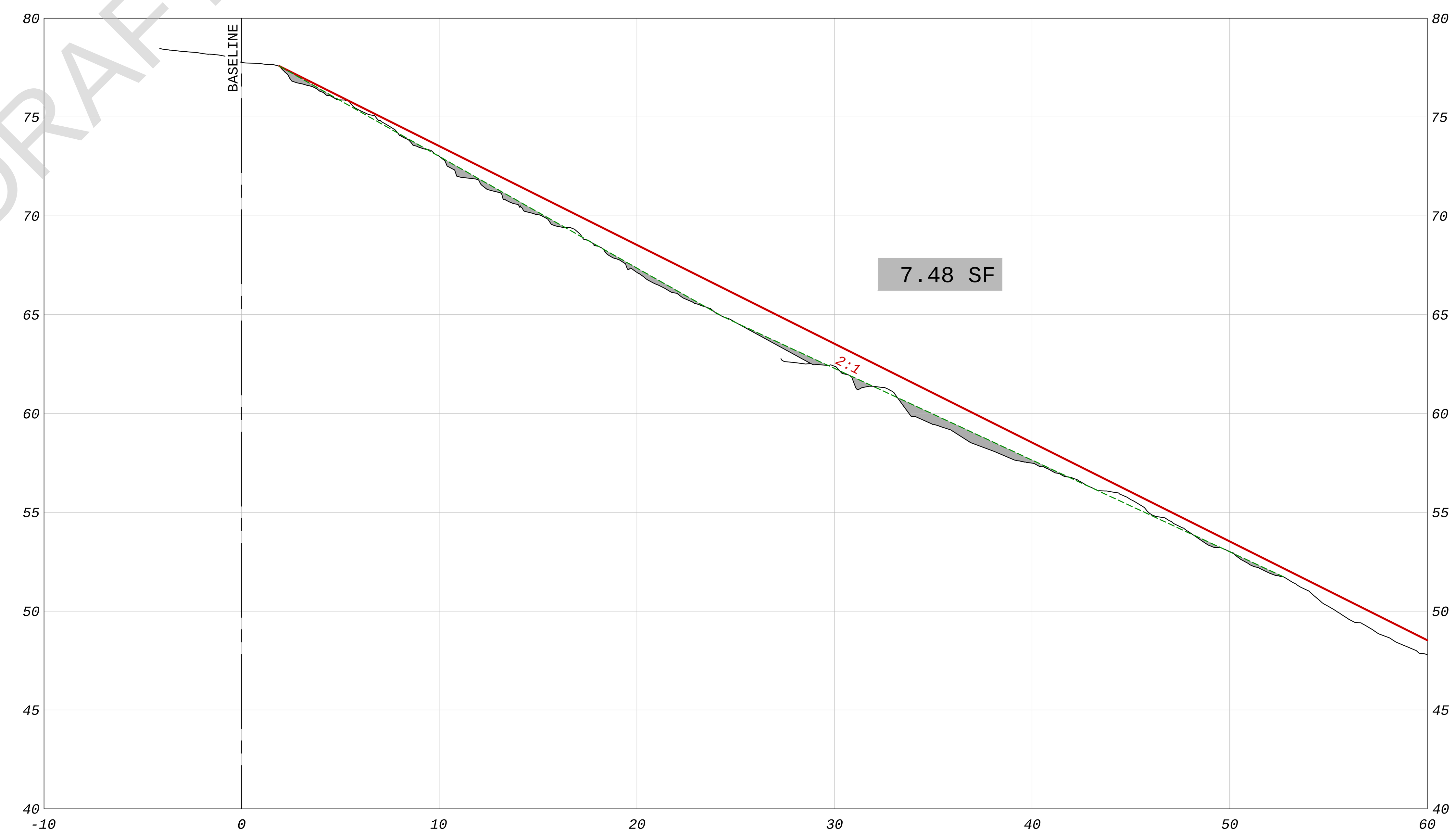


312+00



320+00

LEGEND

———	EXISTING GRADE
———	ORIGINAL DESIGN SLOPE
- - - -	PROJECTED SLOPE ALONG HIGH POINT OF STEPS
▒	AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)
5
5

REVISION
NO. DATE

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www.amecfw.com CA-5392

MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 312+00 TO STA 324+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

20

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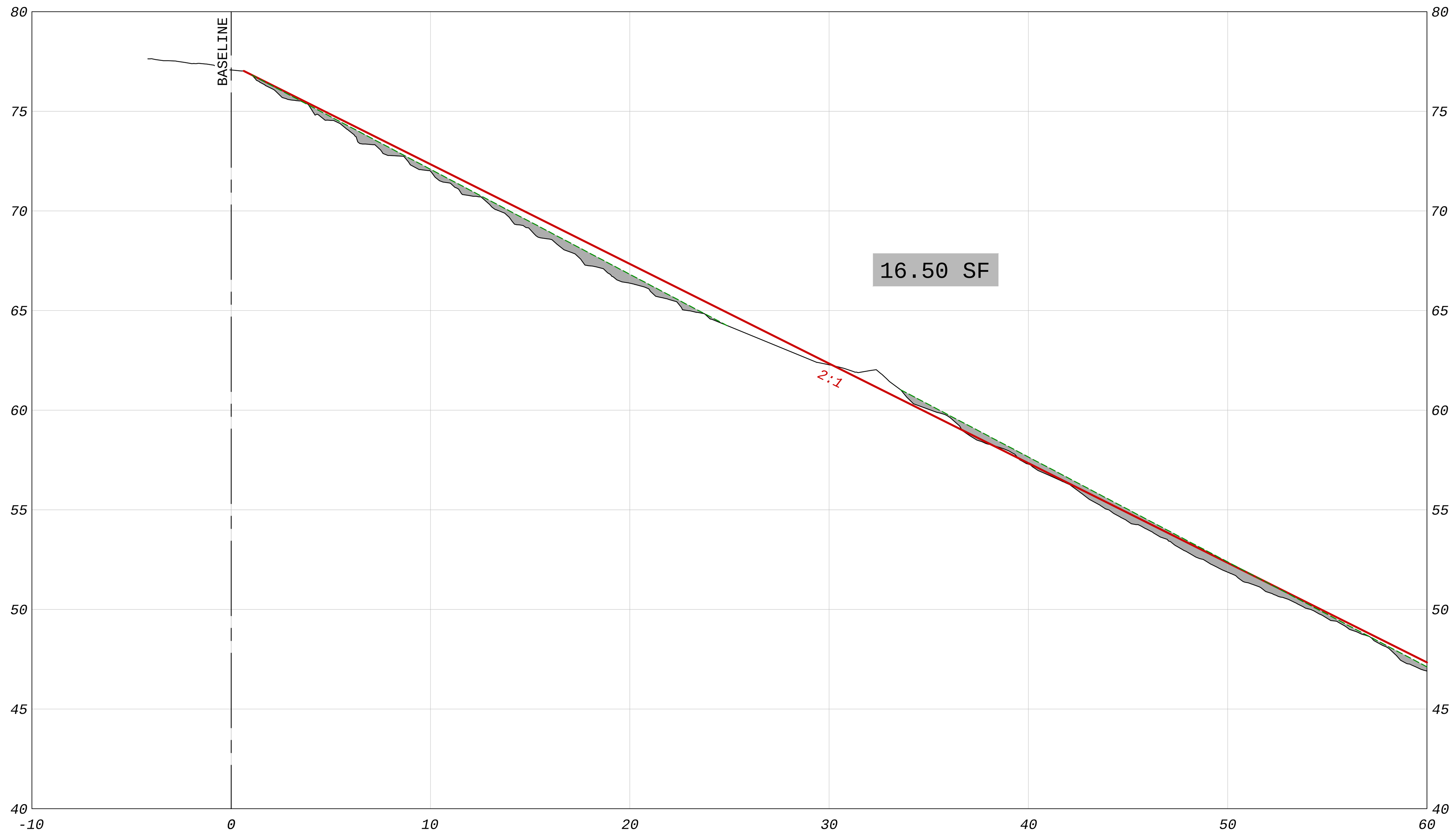

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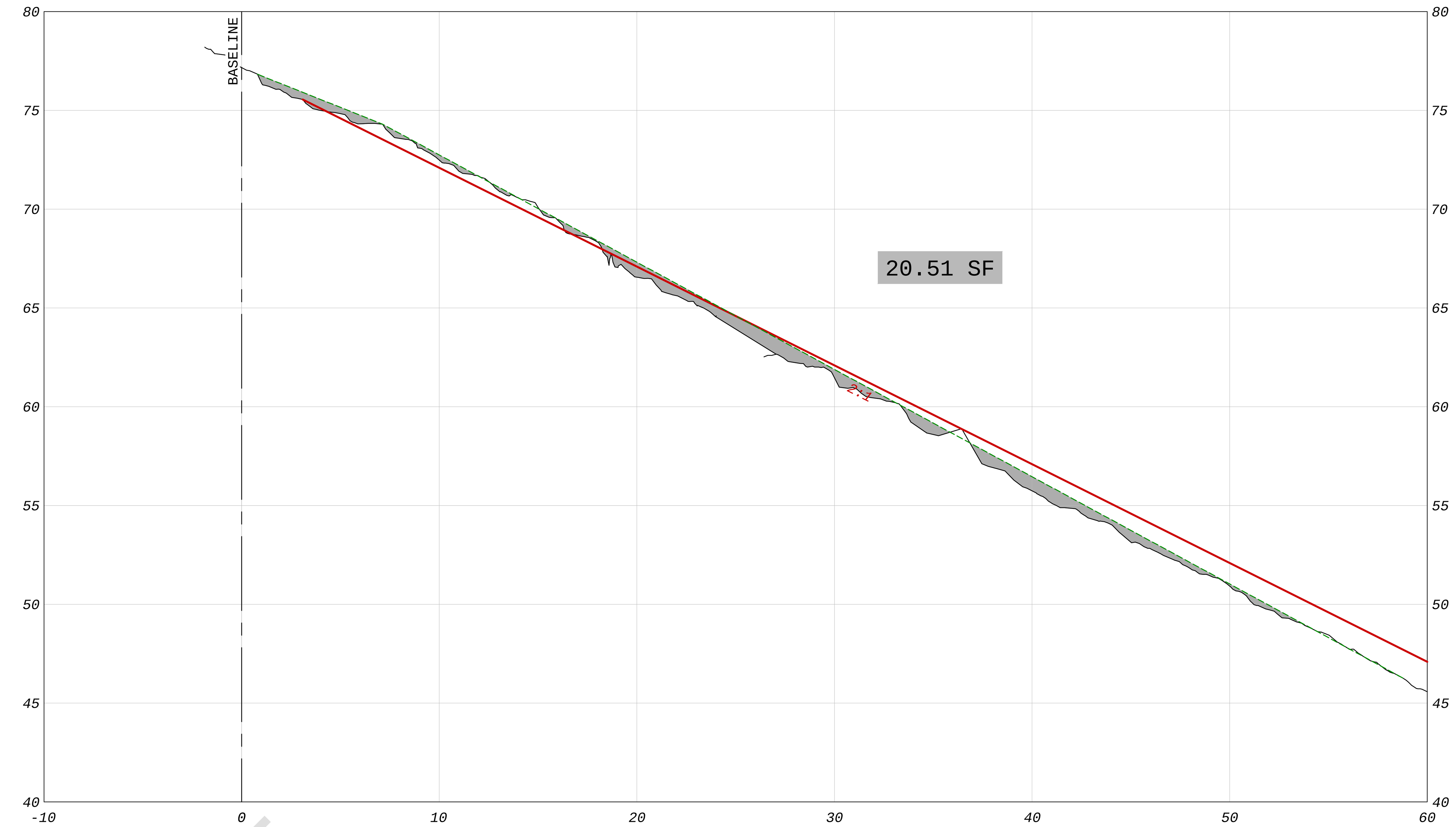

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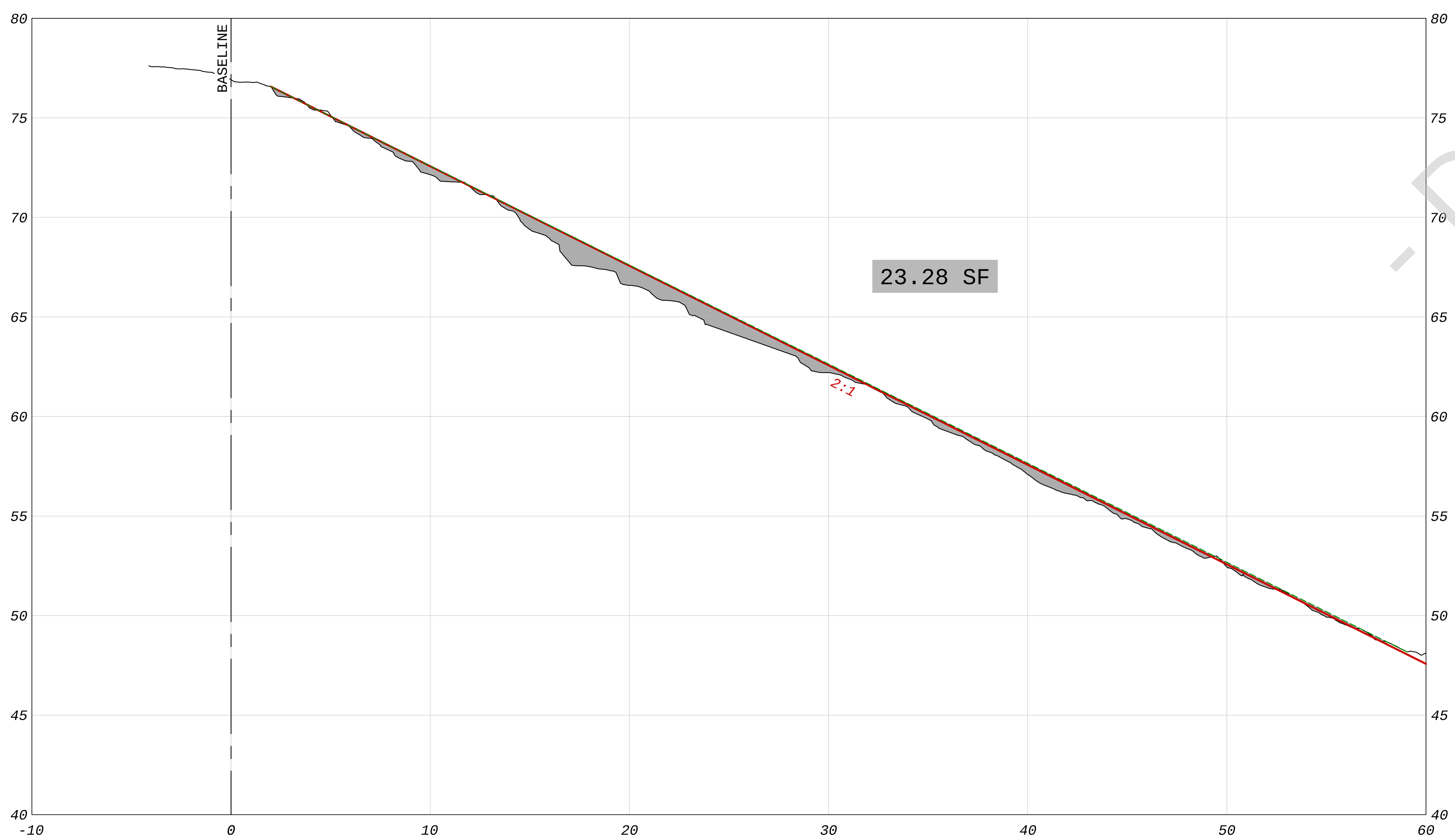

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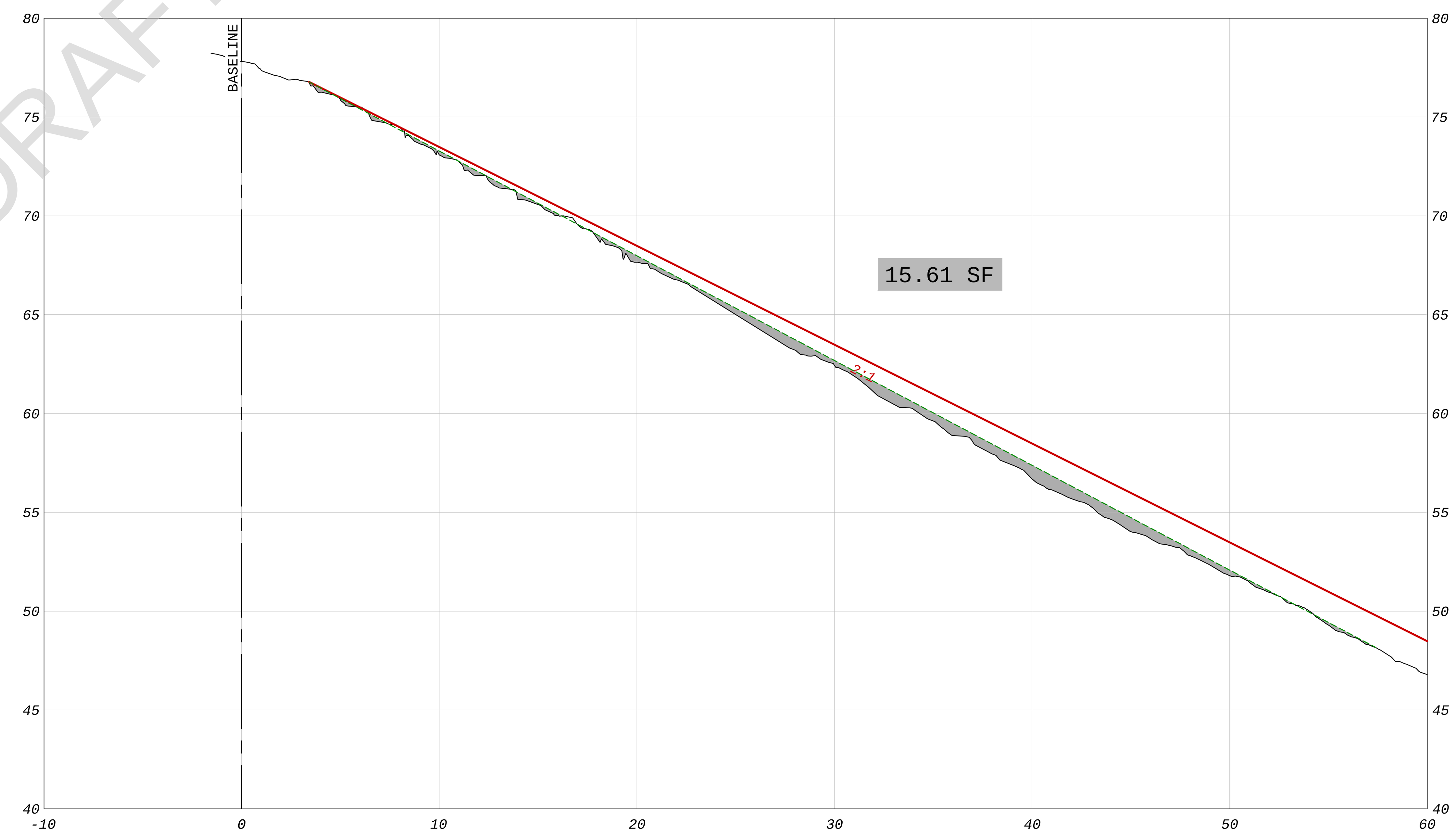

336+00

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT) 5

NO.	DATE	REVISION

amec foster wheeler
Amec Foster Wheeler
Environment & Infrastructure, Inc.
2000 E. Edgewood Dr., Suite 215, Lakeland, FL 33803
Phone: 1.863.667.2345 Fax: 1.863.667.2667
www.amecfw.com CA-5392

MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 328+00 TO STA 340+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

21

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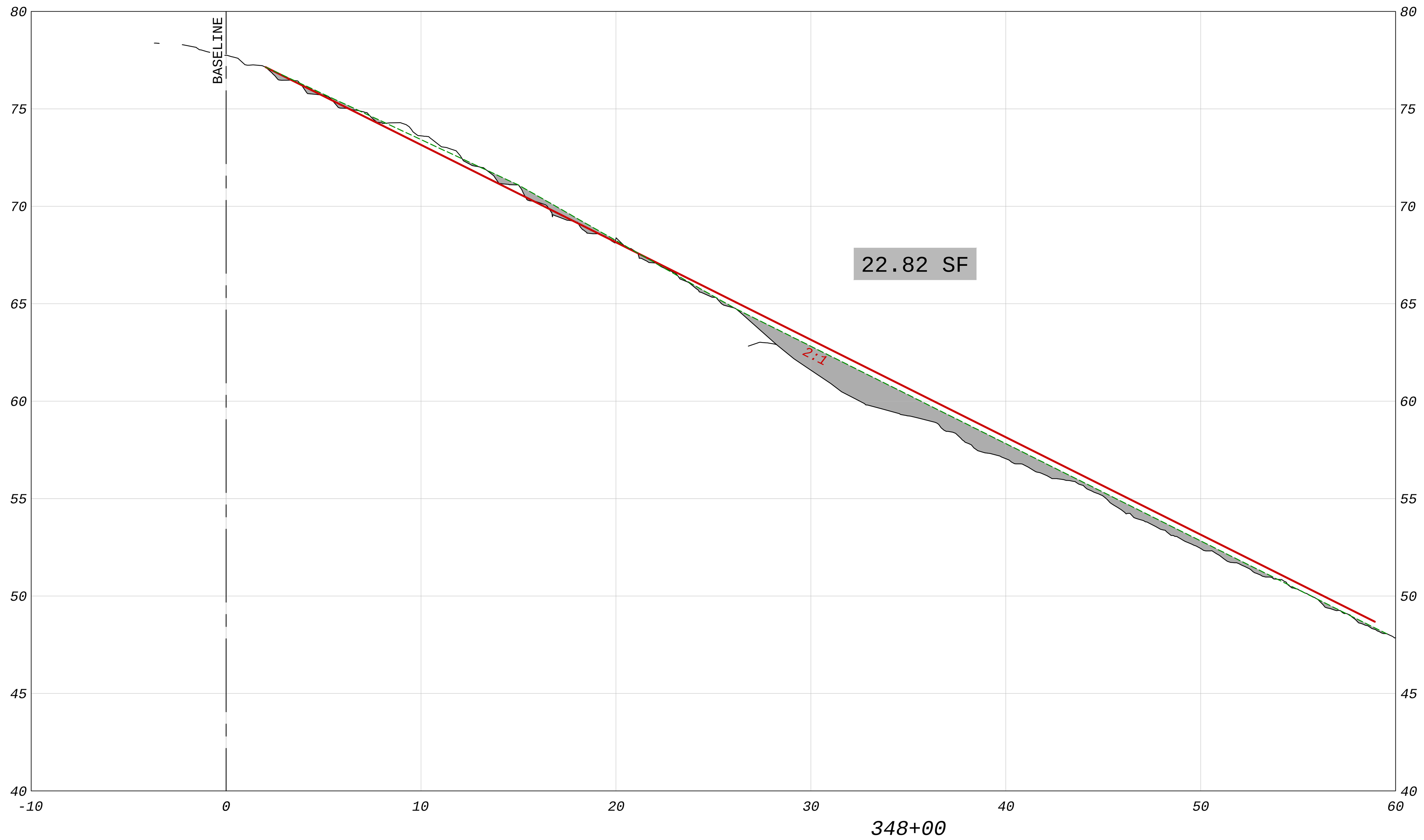

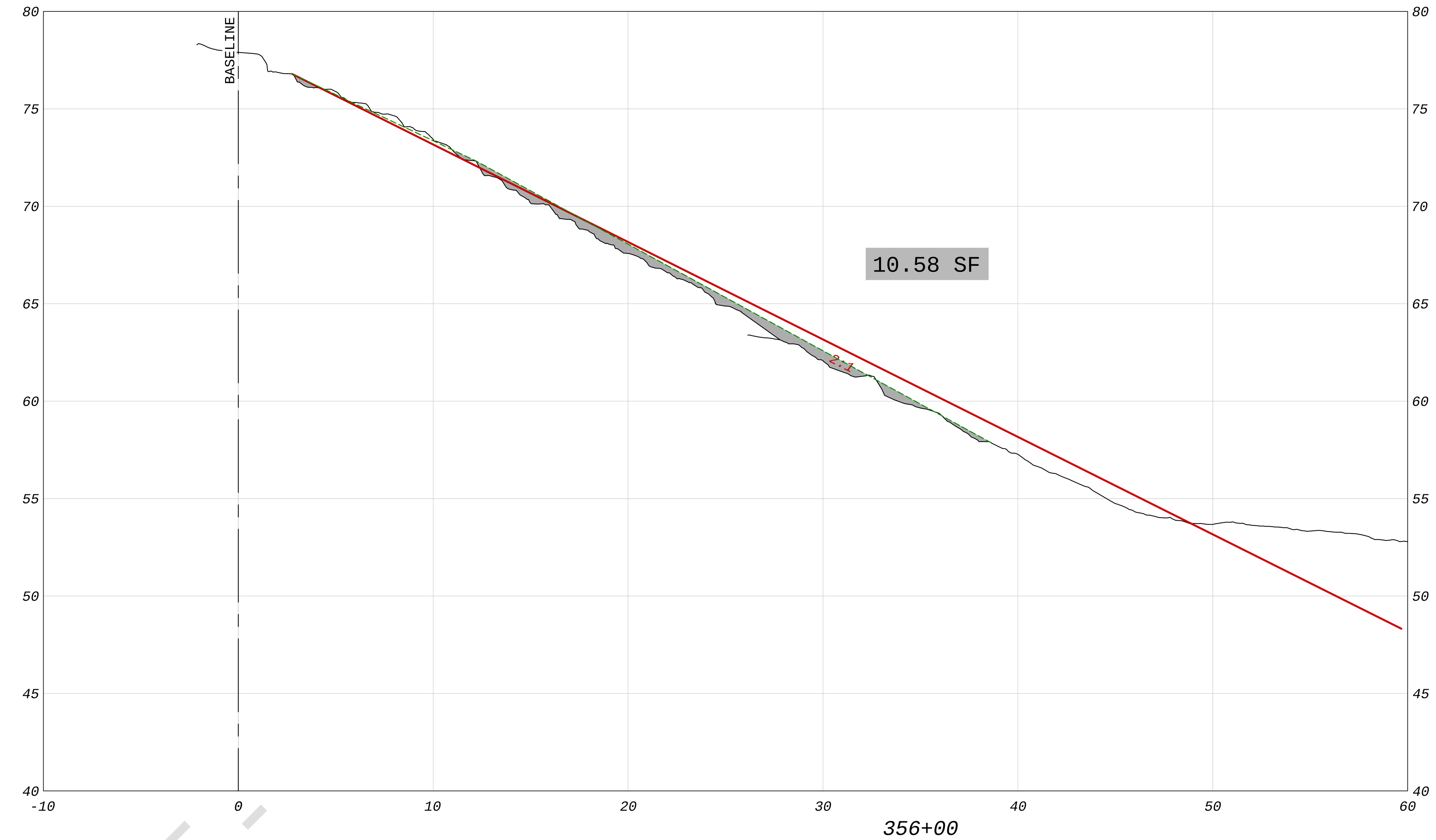

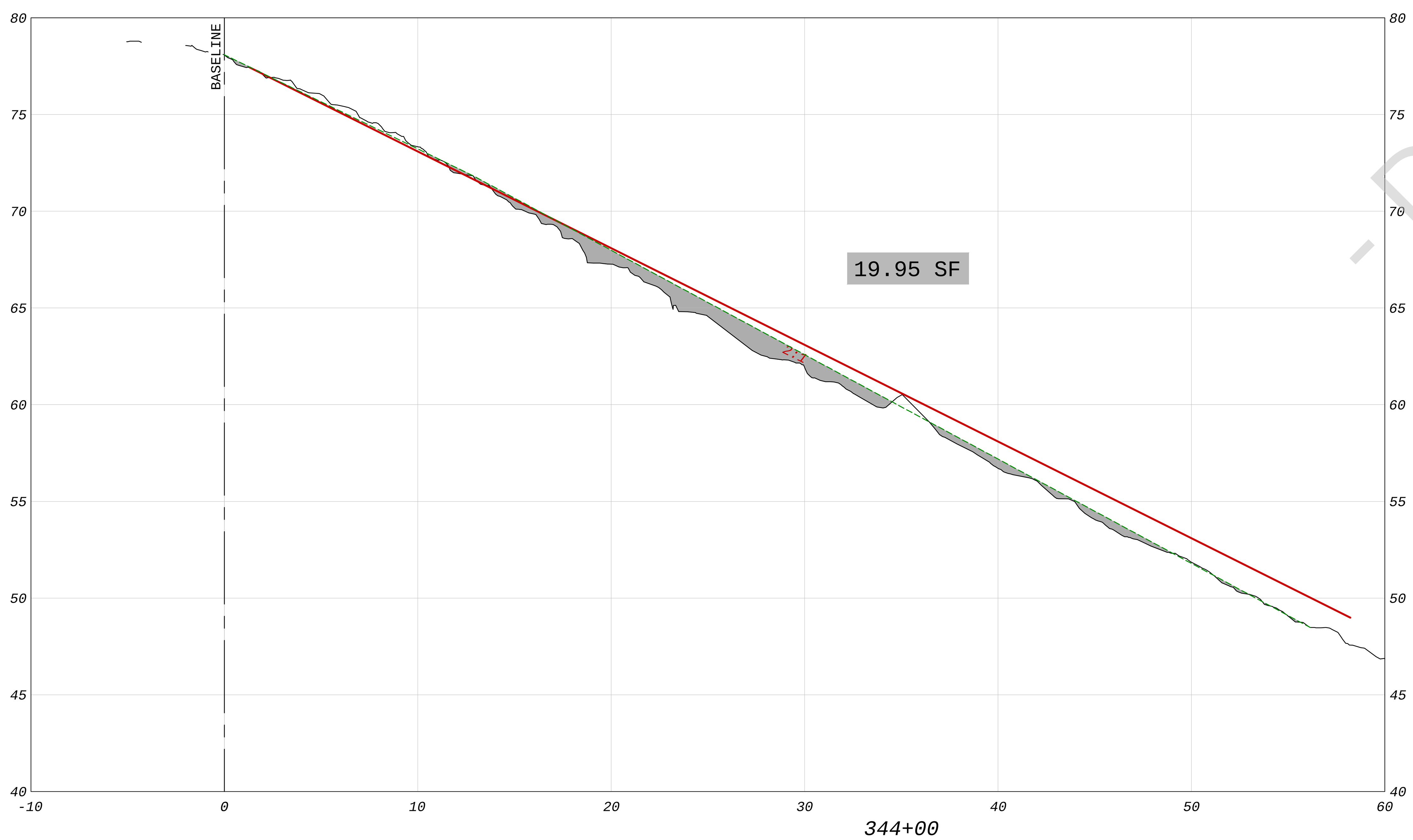

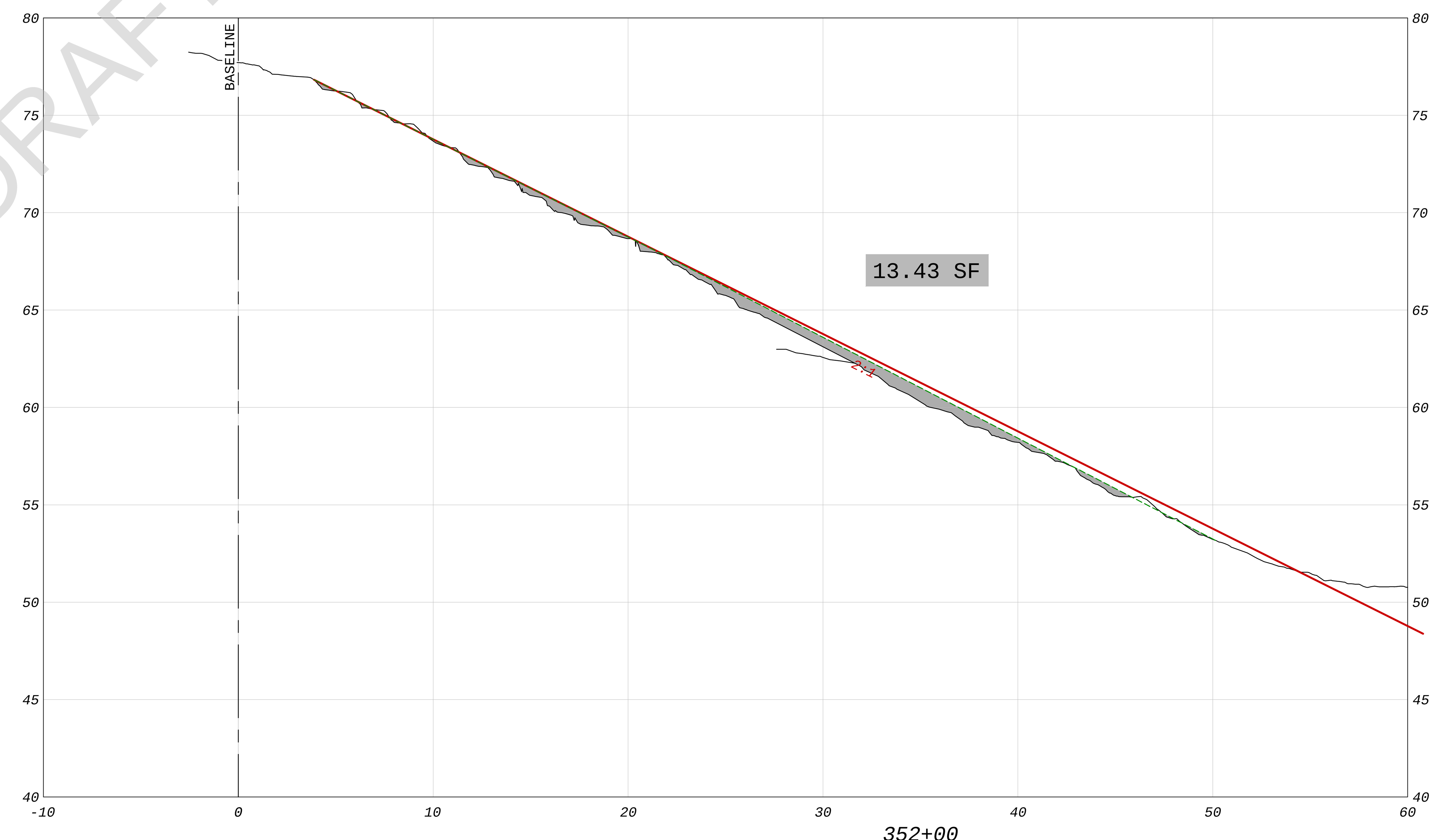

- DRAFT -

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

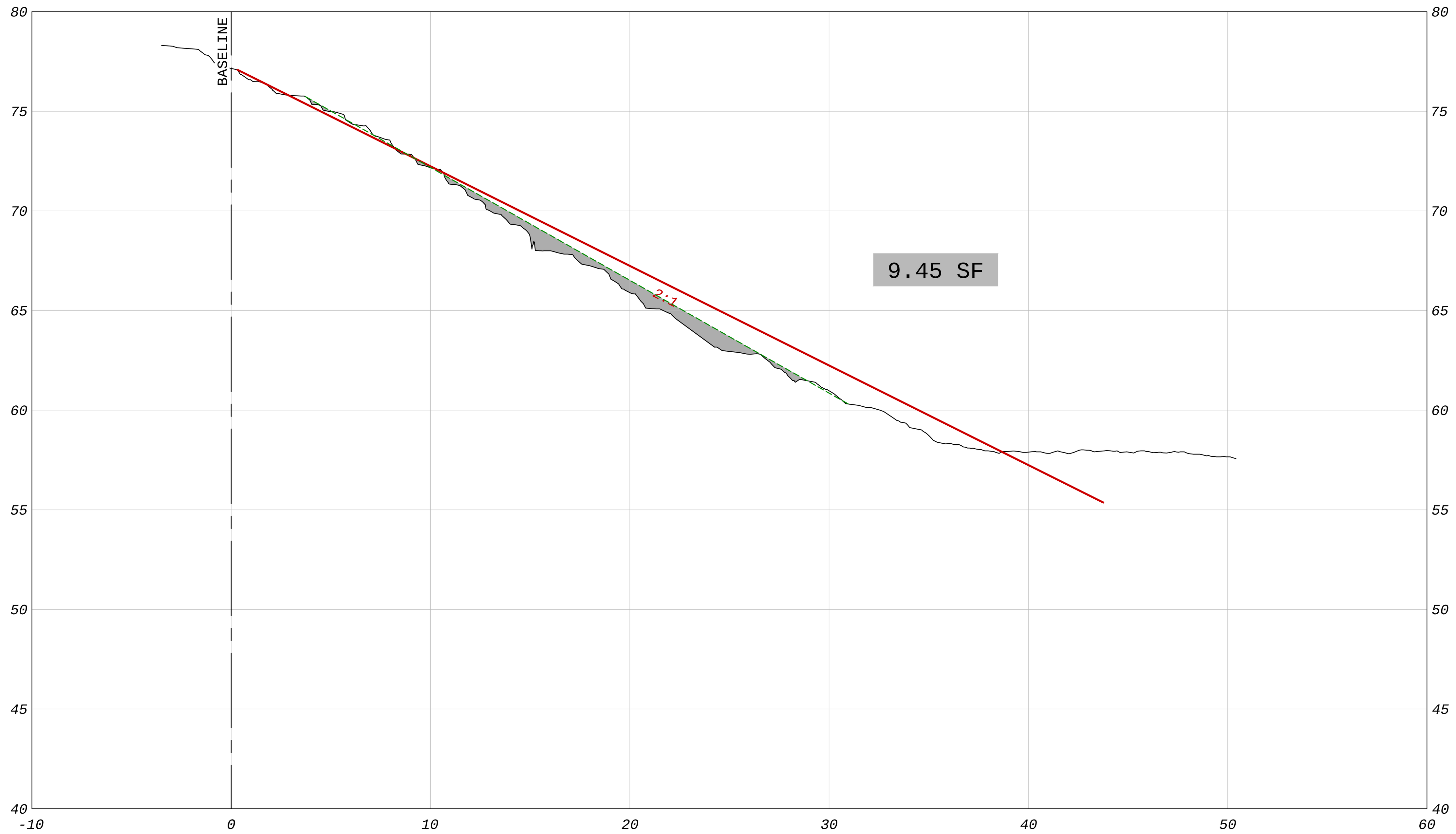
CROSS SECTIONS
STA 344+00 TO STA 356+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

22



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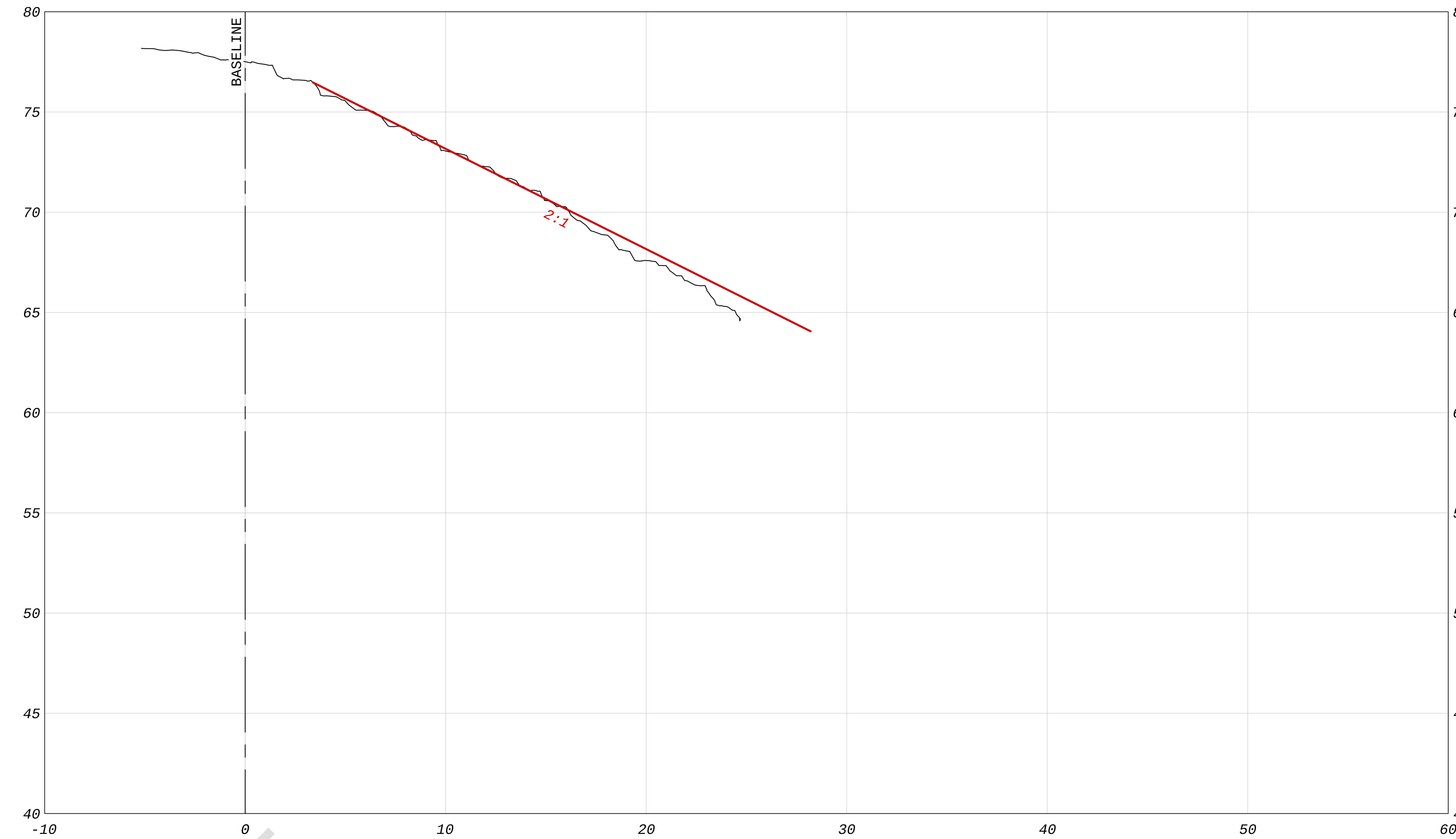

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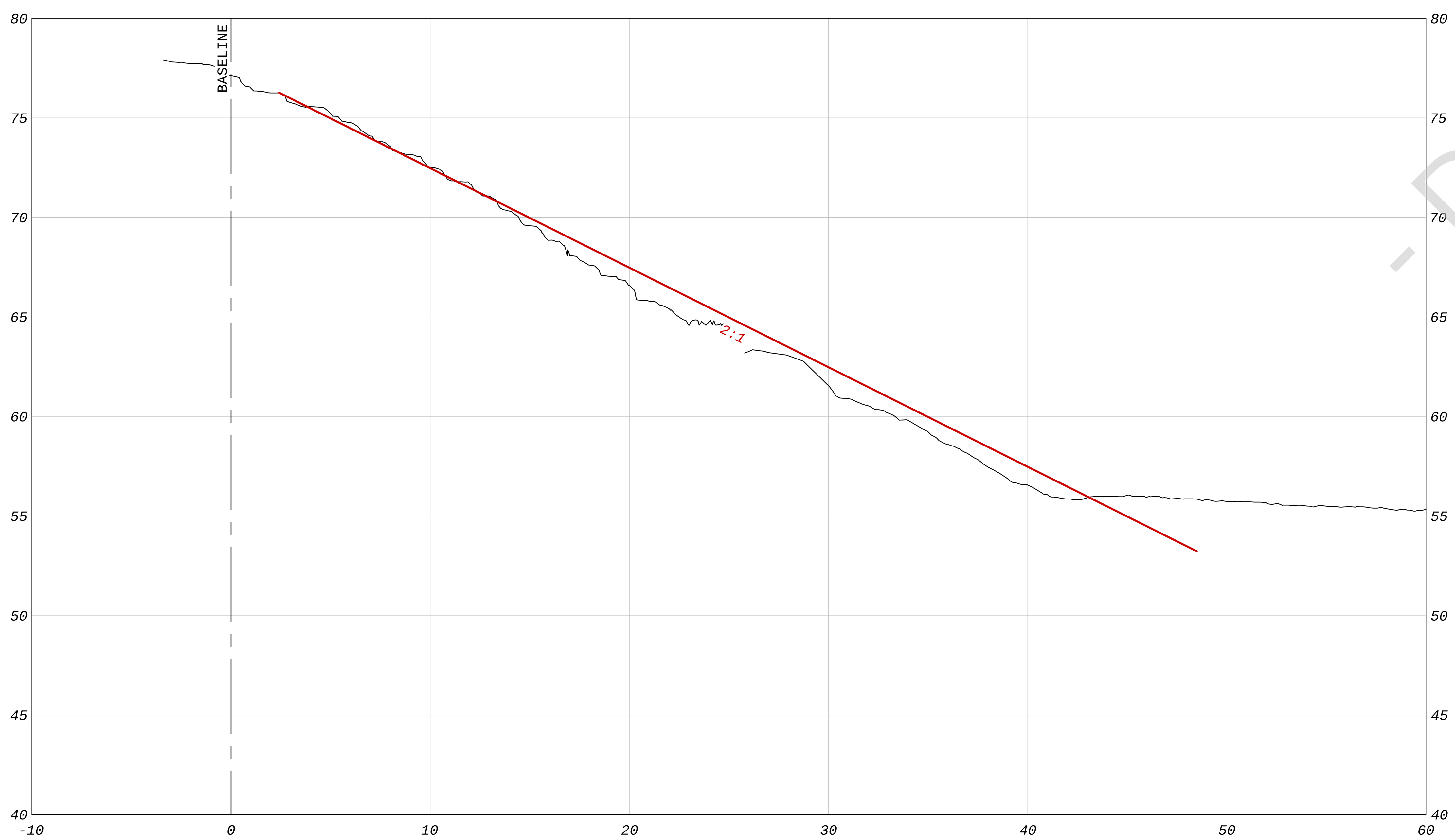

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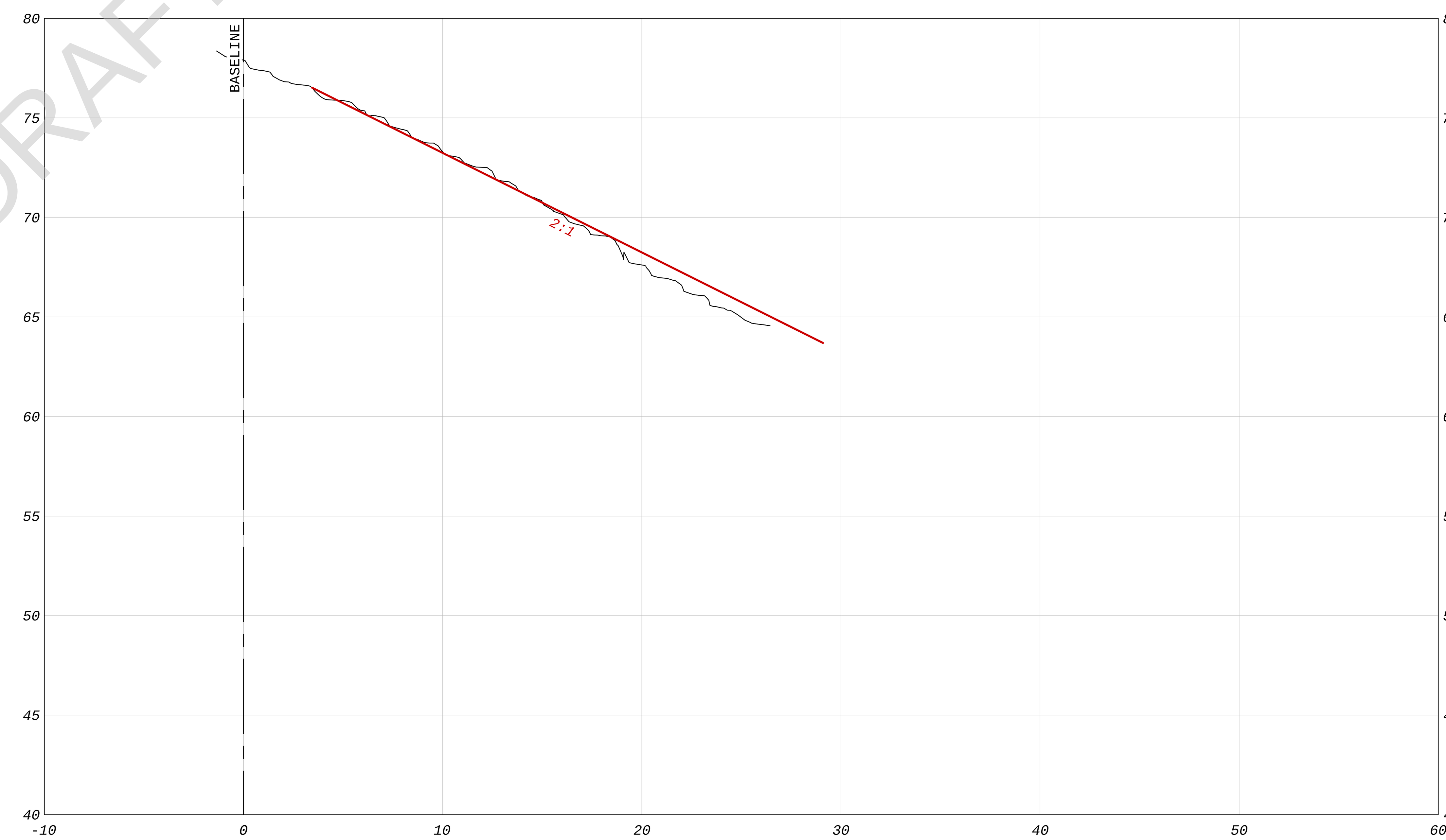

368+00

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

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Environment & Infrastructure, Inc.
2000 E. Edgewood Dr., Suite 215, Lakeland, FL 33803
Phone: 1.863.667.2345 Fax: 1.863.667.2667
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 360+00 TO STA 372+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

23

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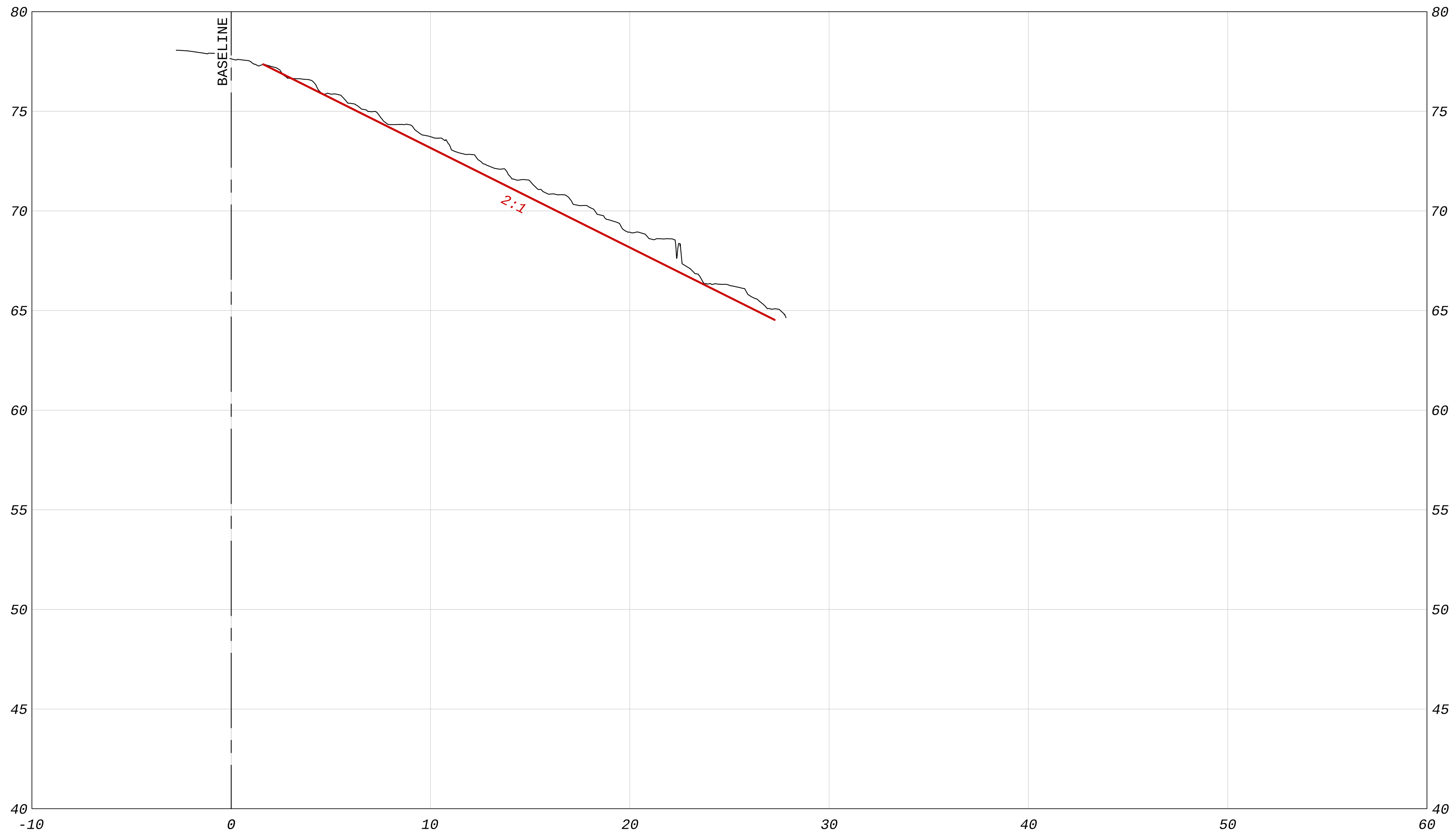
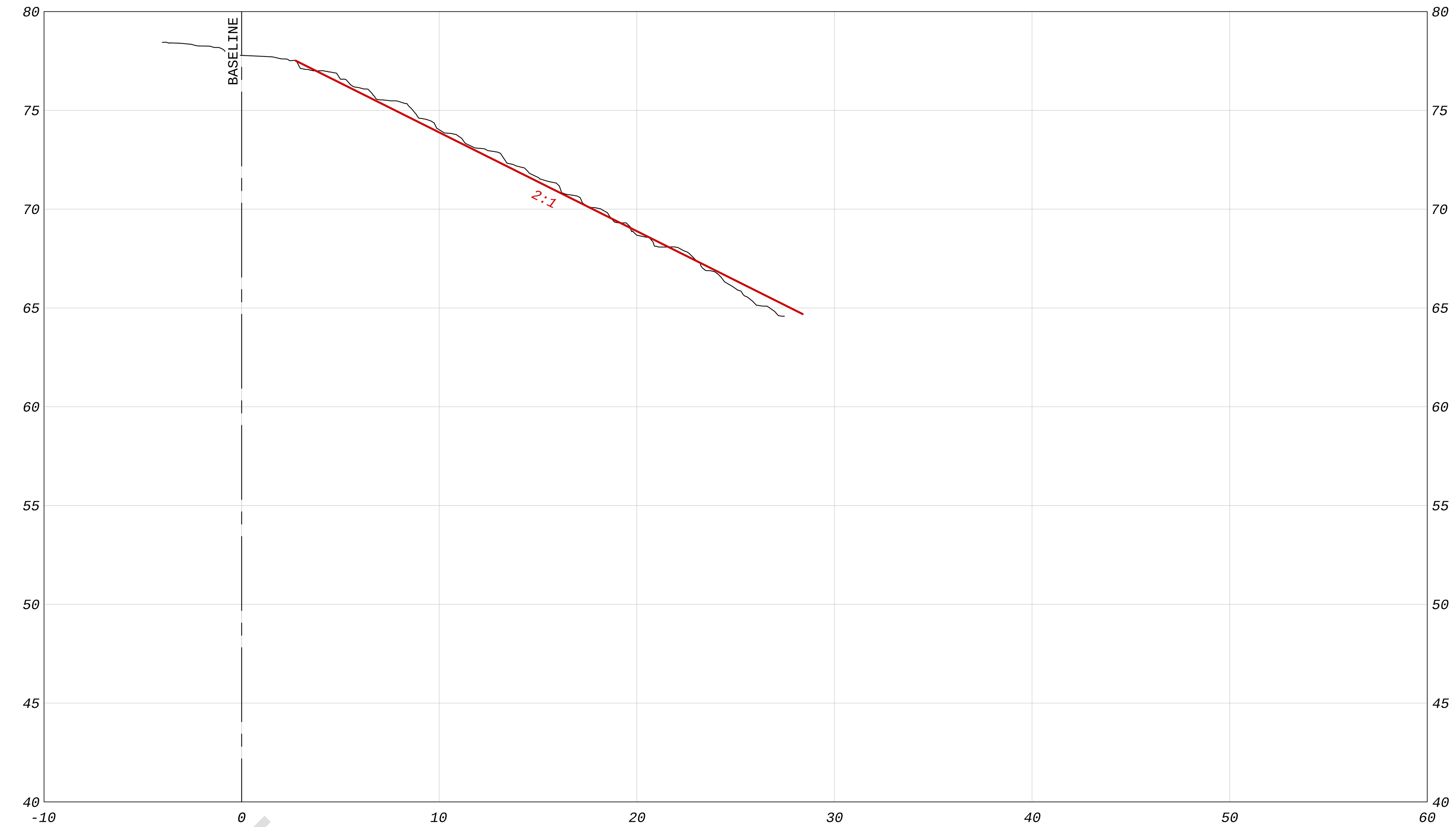


380+00



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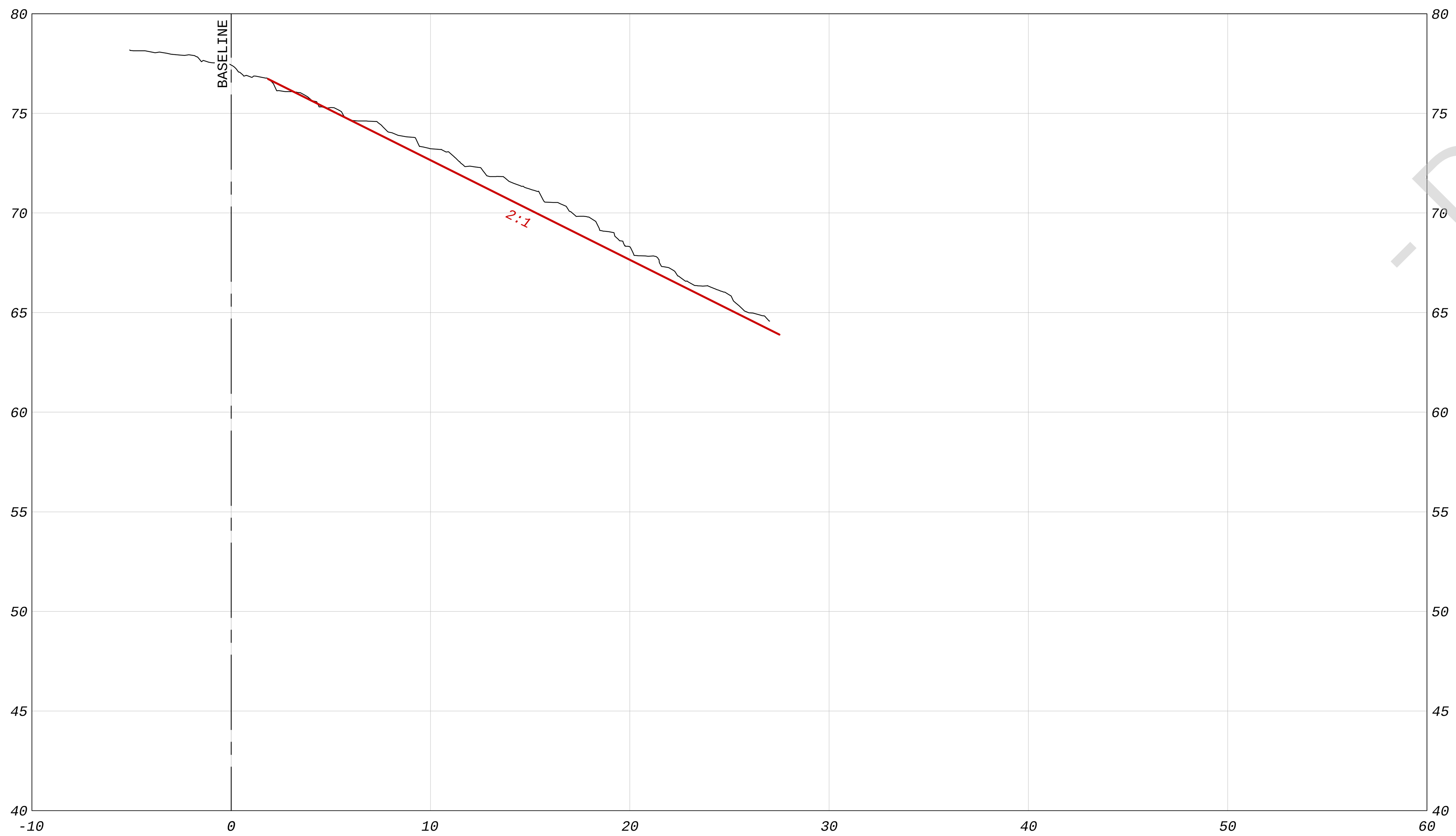

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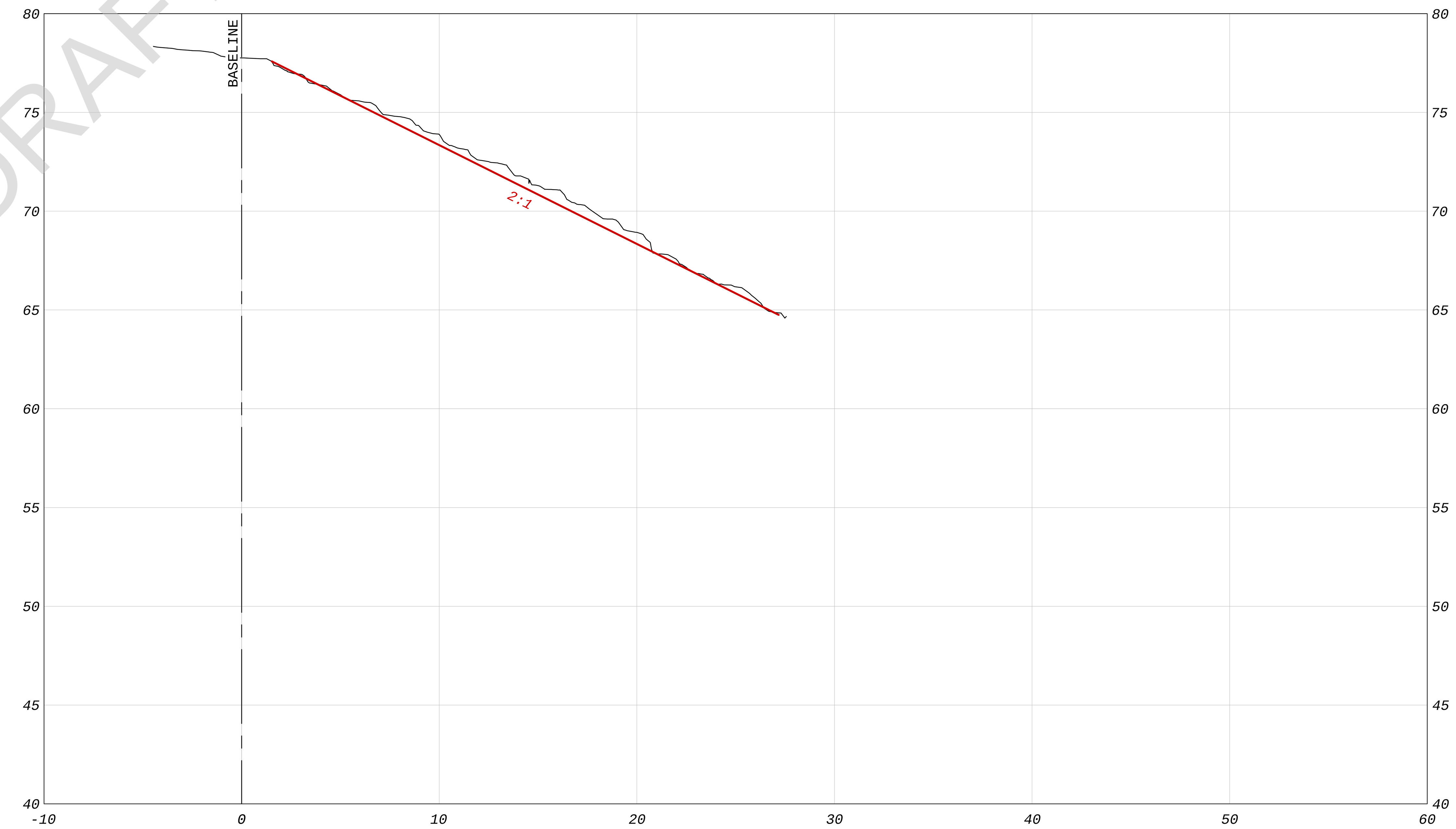

384+00

- DRAFT -

LEGEND

——	EXISTING GRADE
——	ORIGINAL DESIGN SLOPE
-------	PROJECTED SLOPE ALONG HIGH POINT OF STEPS
▬	AREA BENEATH PROJECTED SLOPE

REFERENCE:
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COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)
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5

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NO. DATE

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Amec Foster Wheeler
Environment & Infrastructure, Inc.
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

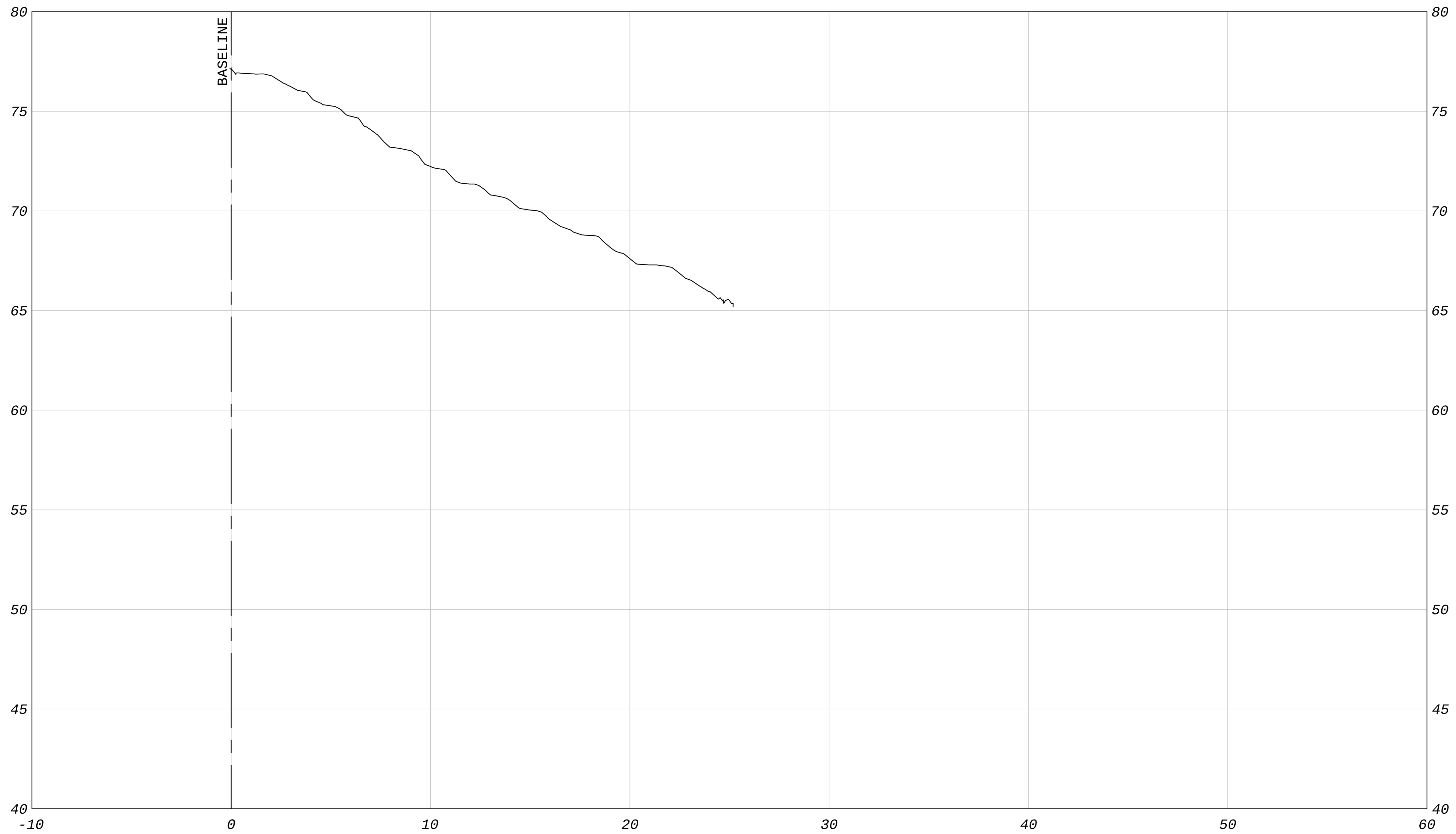
CROSS SECTIONS
STA 376+00 TO STA 388+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

24



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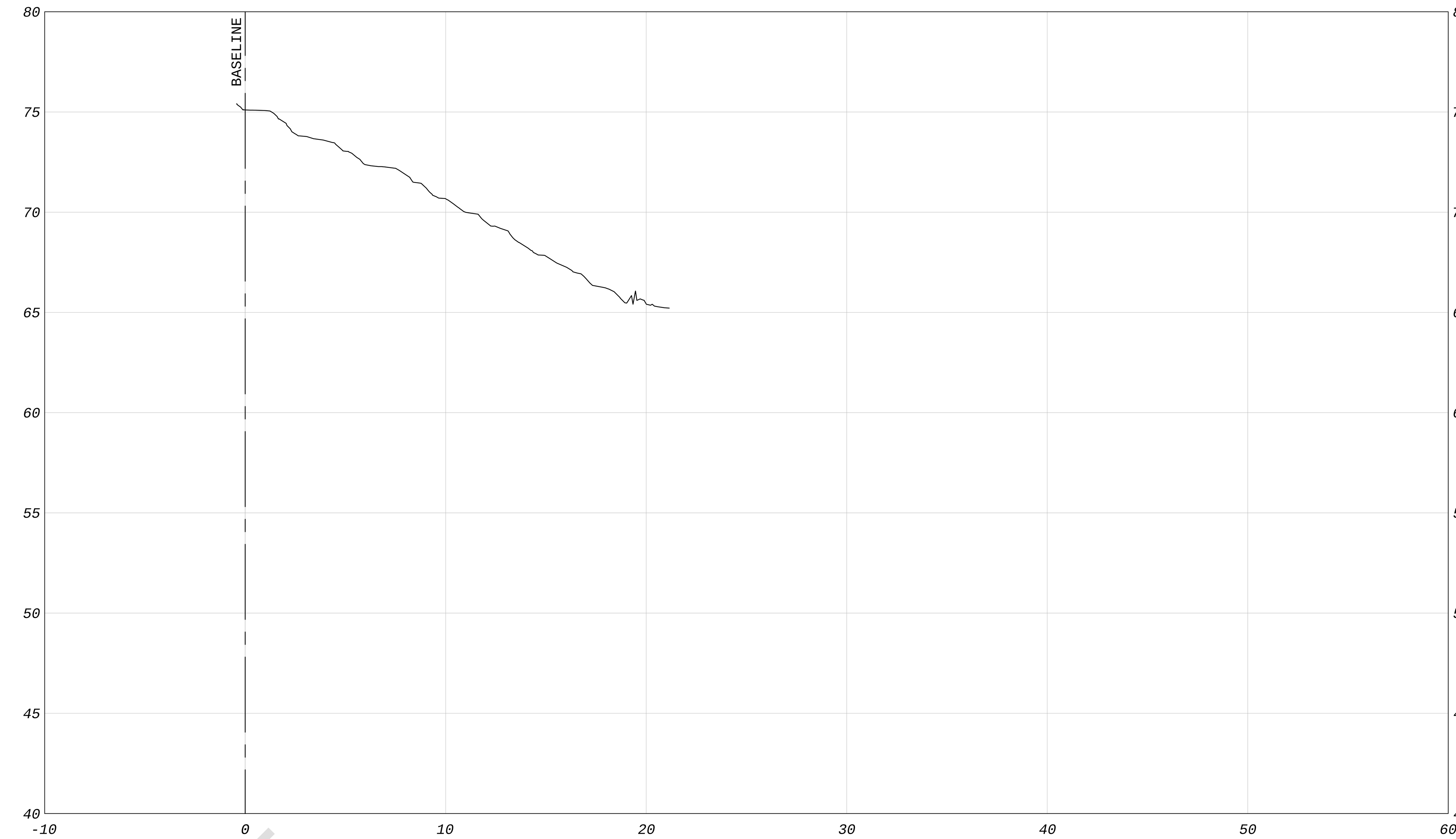

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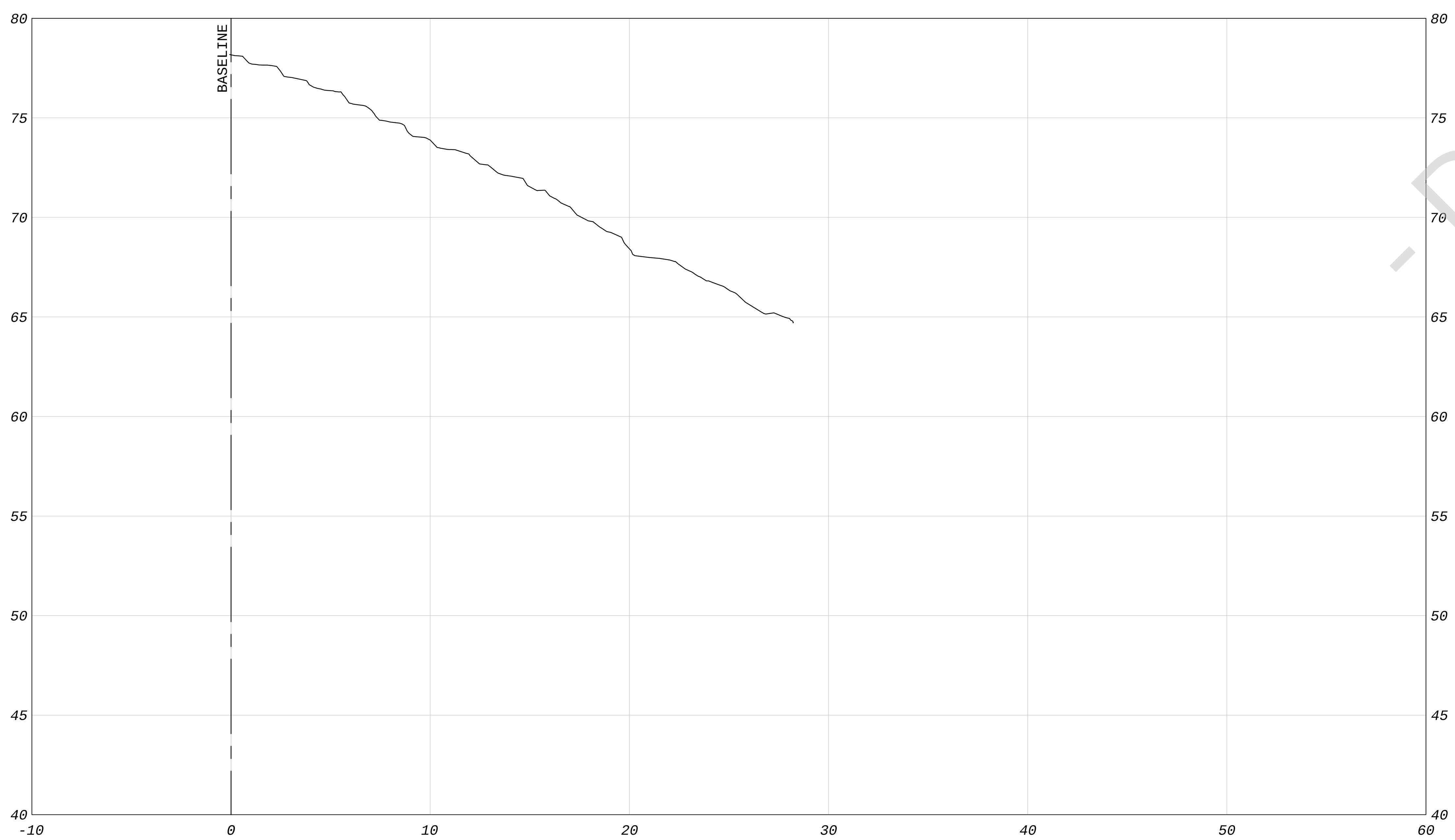

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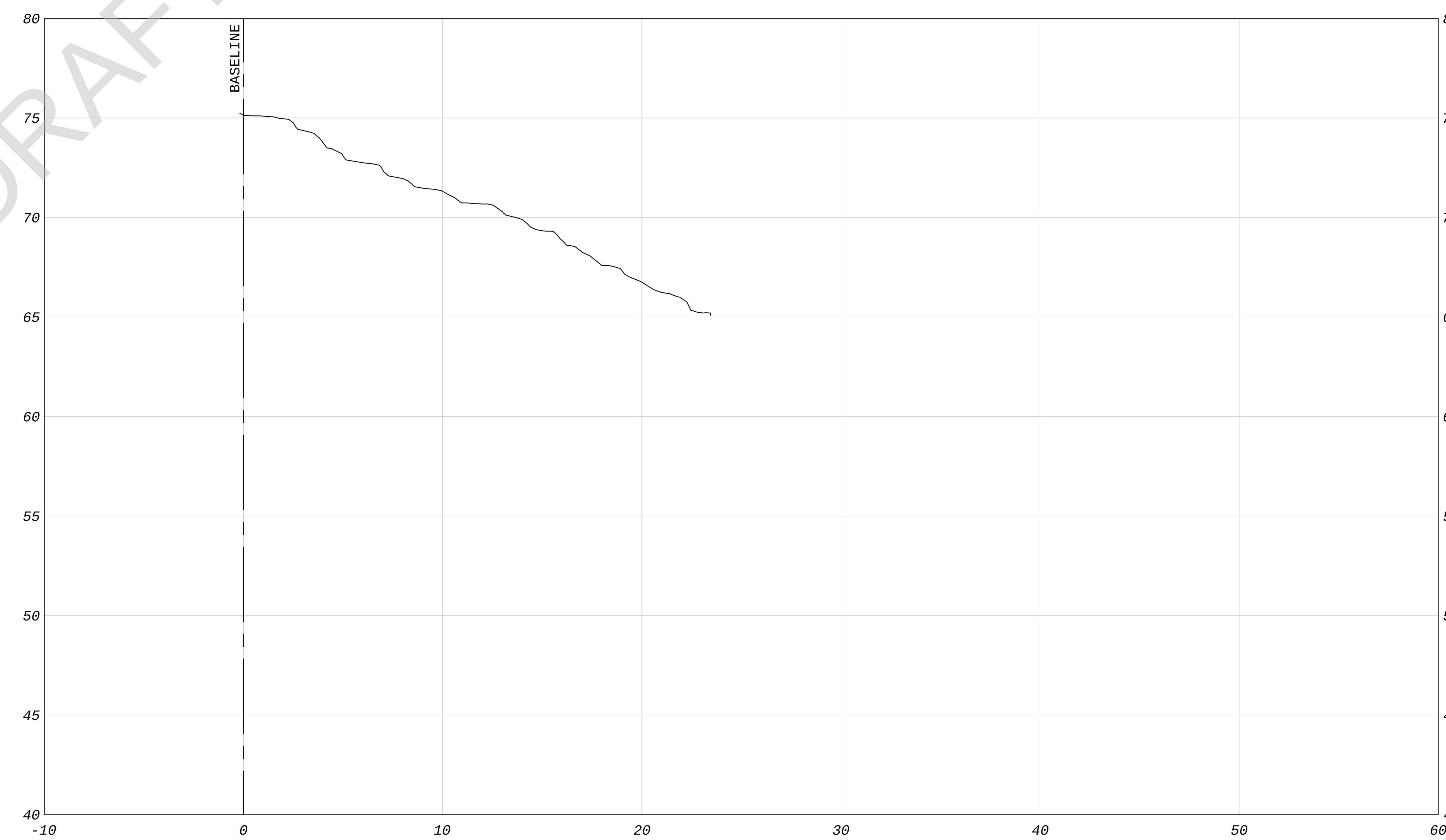

400+00

- DRAFT -

LEGEND

——	EXISTING GRADE
——	ORIGINAL DESIGN SLOPE
- - -	PROJECTED SLOPE ALONG HIGH POINT OF STEPS
▇	AREA BENEATH PROJECTED SLOPE

REFERENCE:
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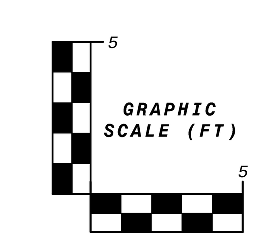
COMBINED LIDAR & SONAR; APRIL 2015



NO.	DATE	REVISION

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Amec Foster Wheeler
Environment & Infrastructure, Inc.
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 392+00 TO STA 404+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

25

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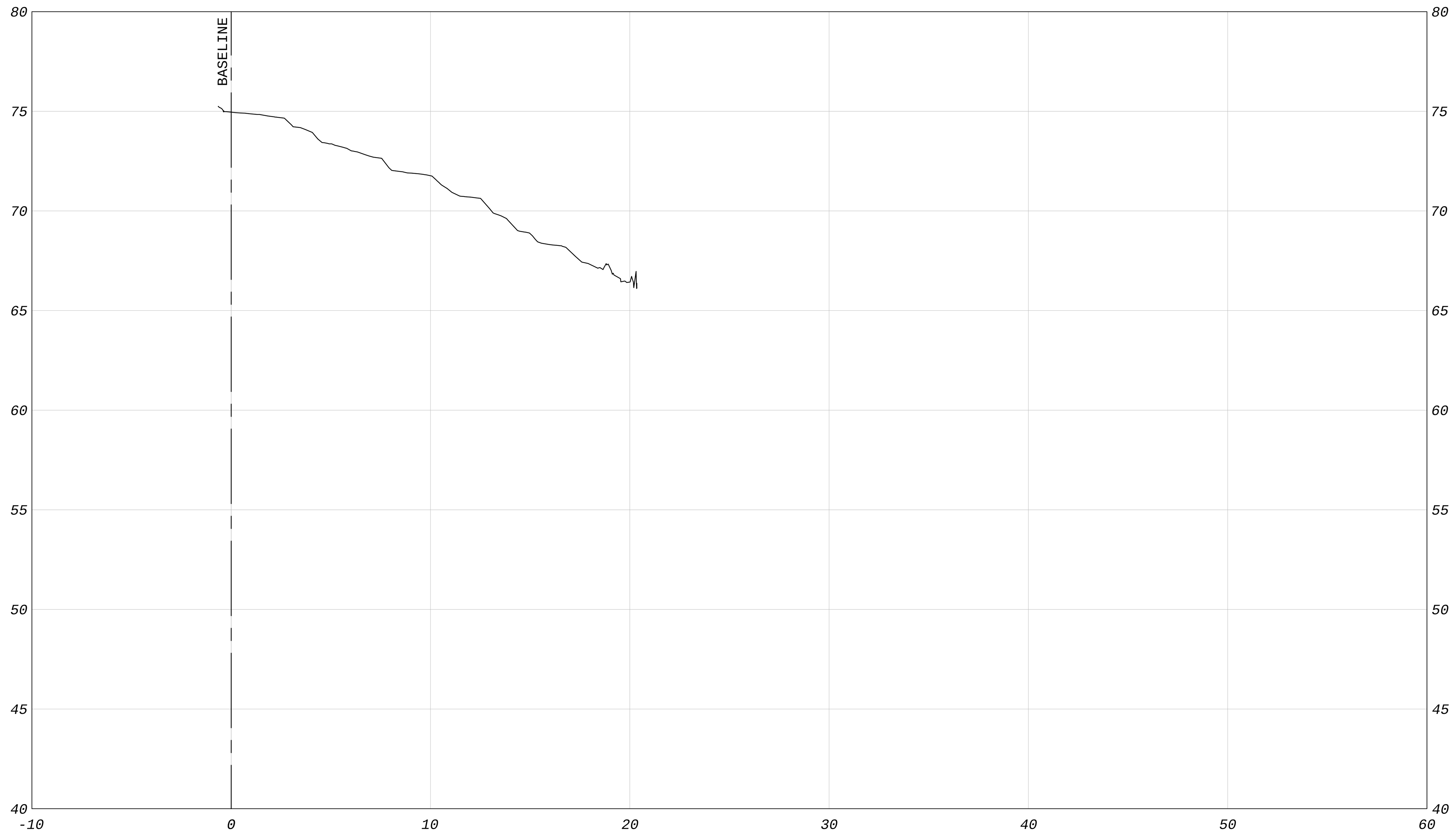

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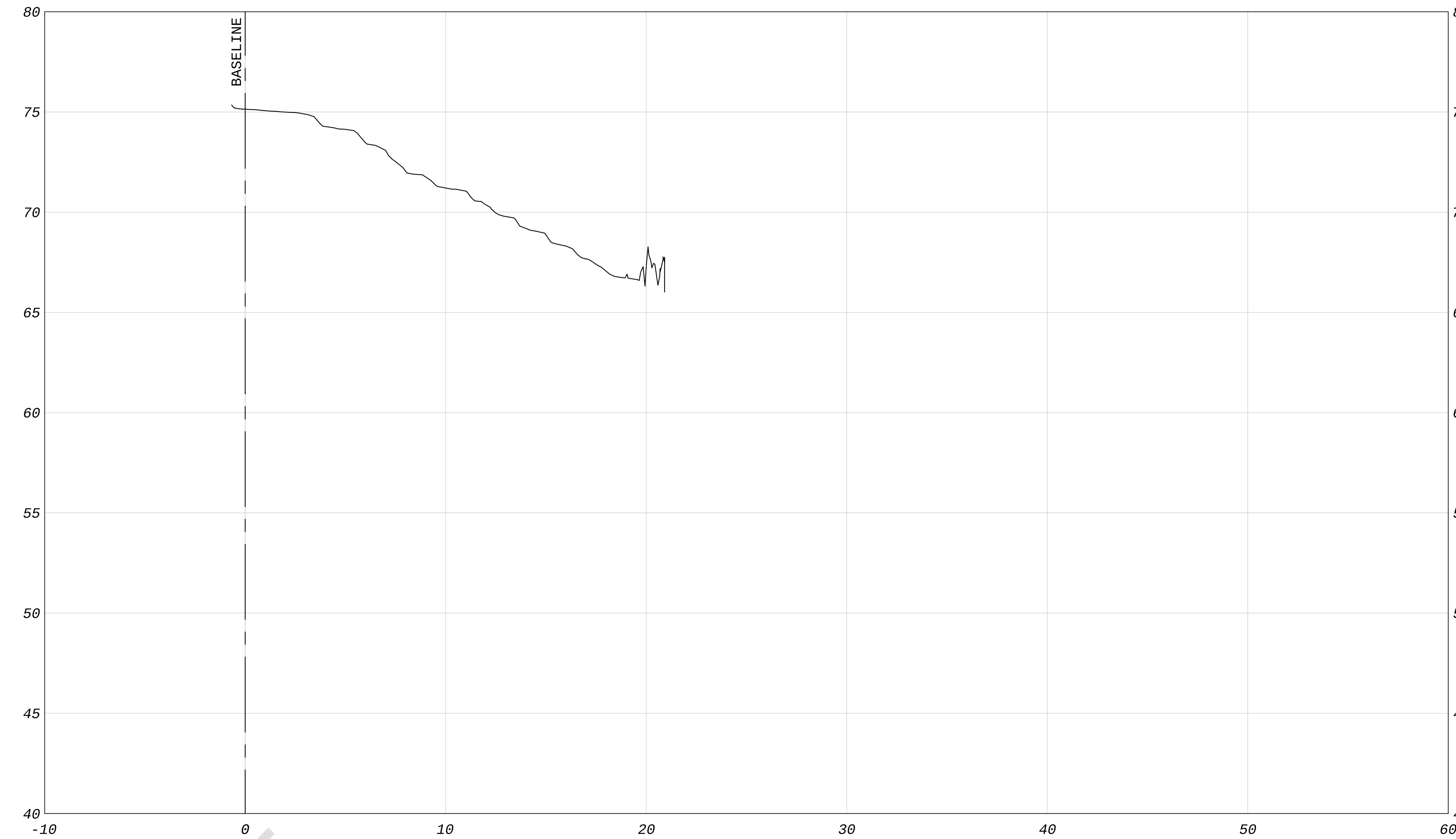

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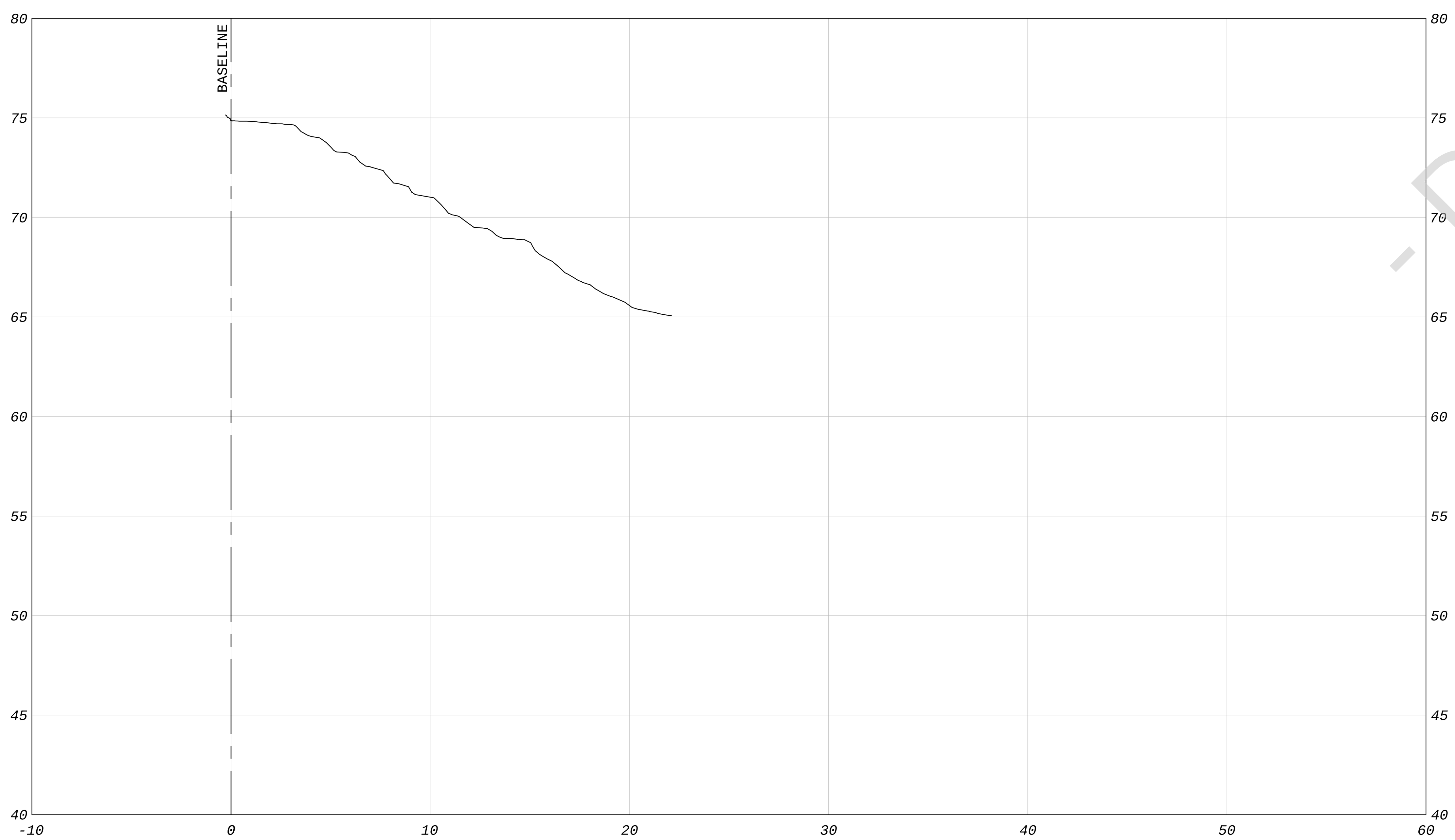

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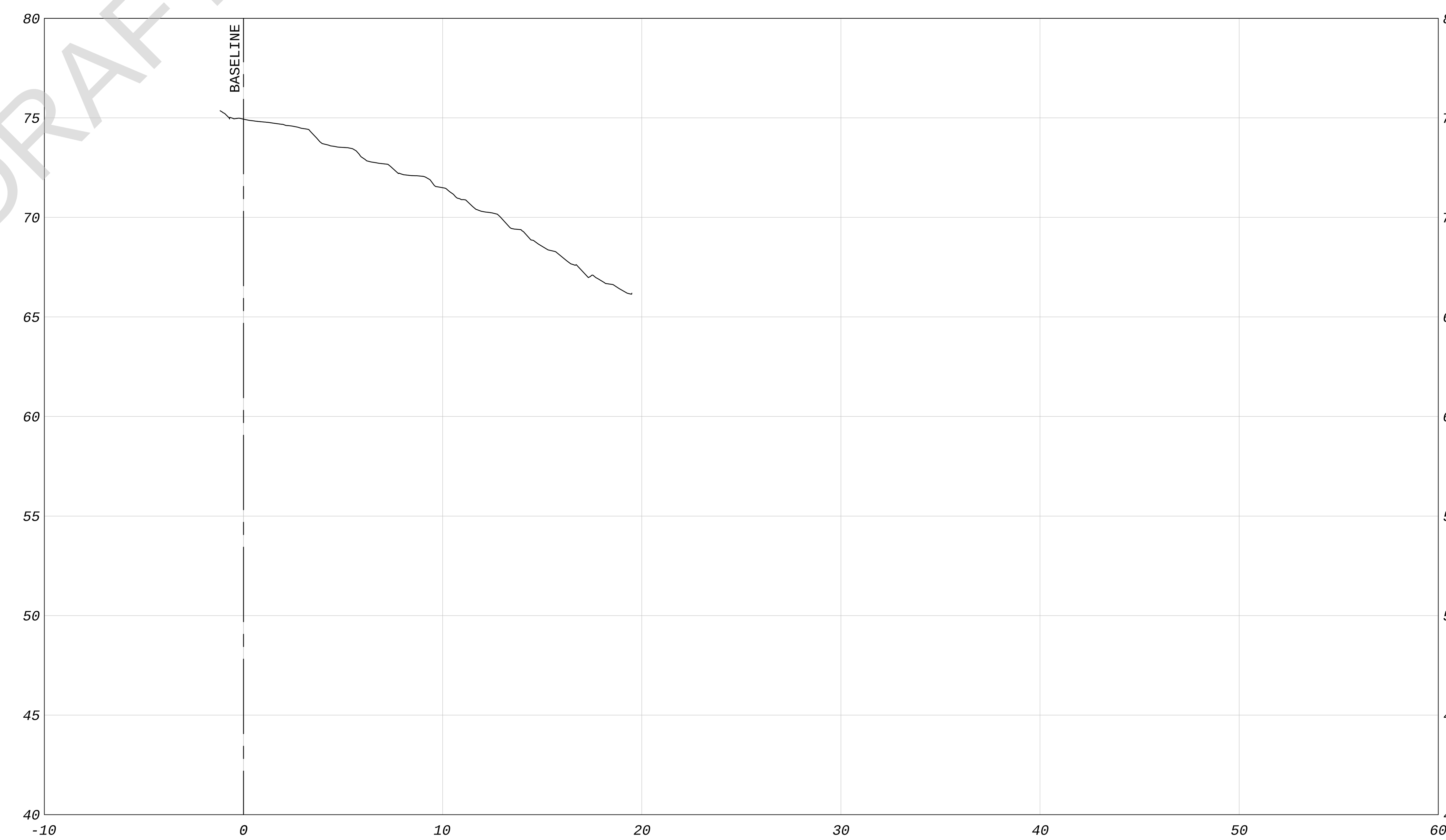

416+00

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)

REVISION | NO. | DATE

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Environment & Infrastructure, Inc.
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 408+00 TO STA 420+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

26

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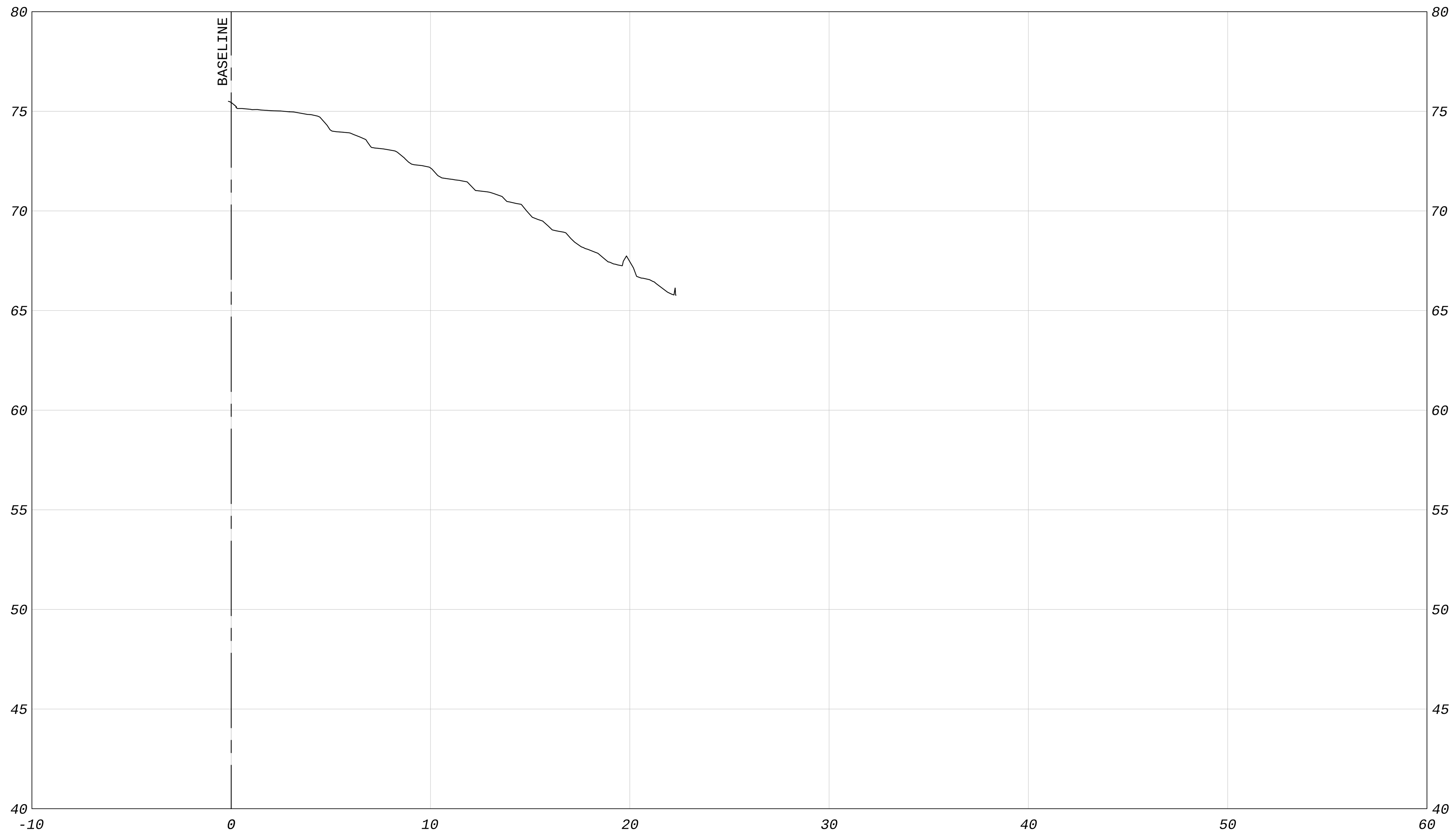
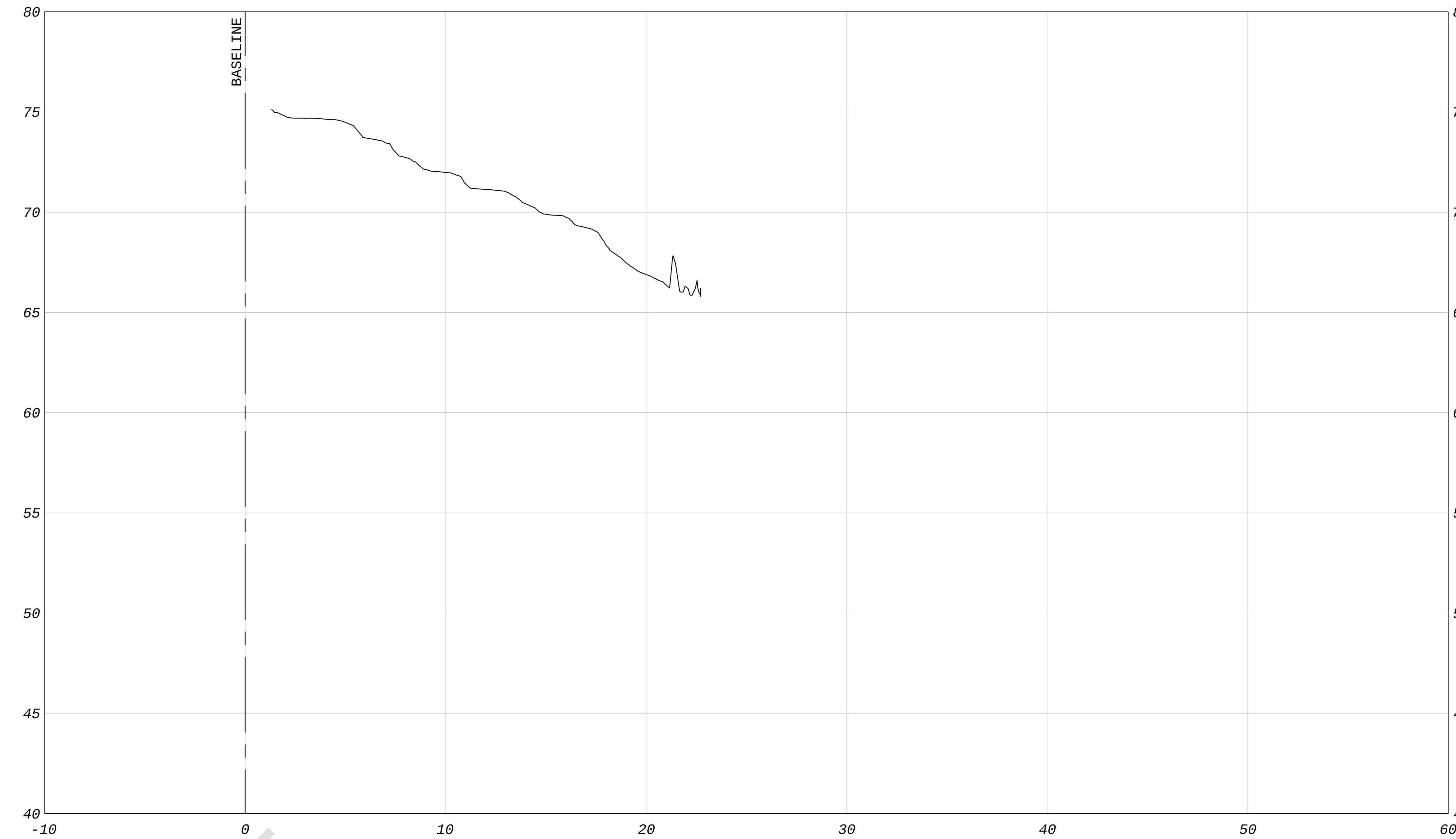


428+00



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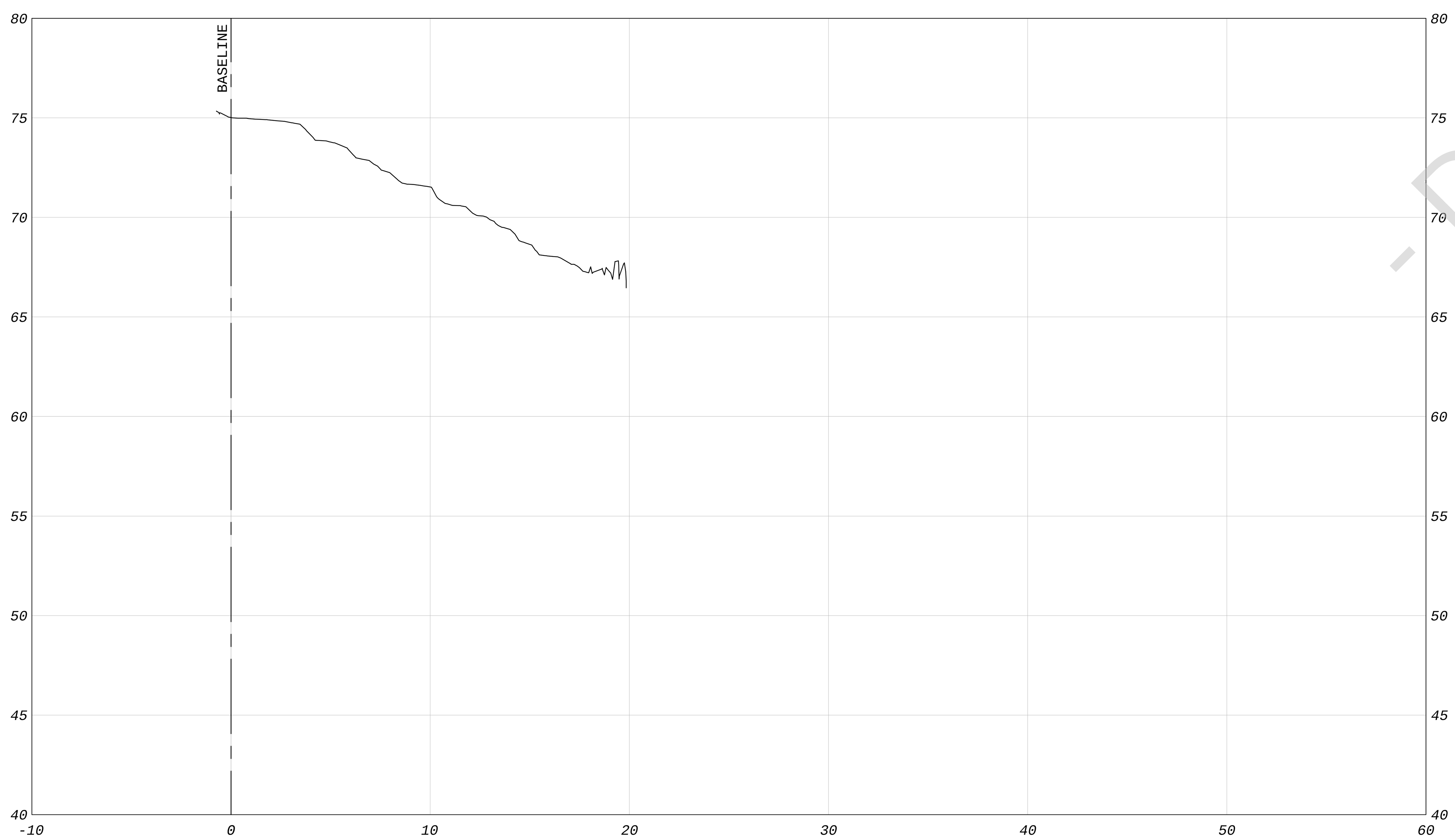

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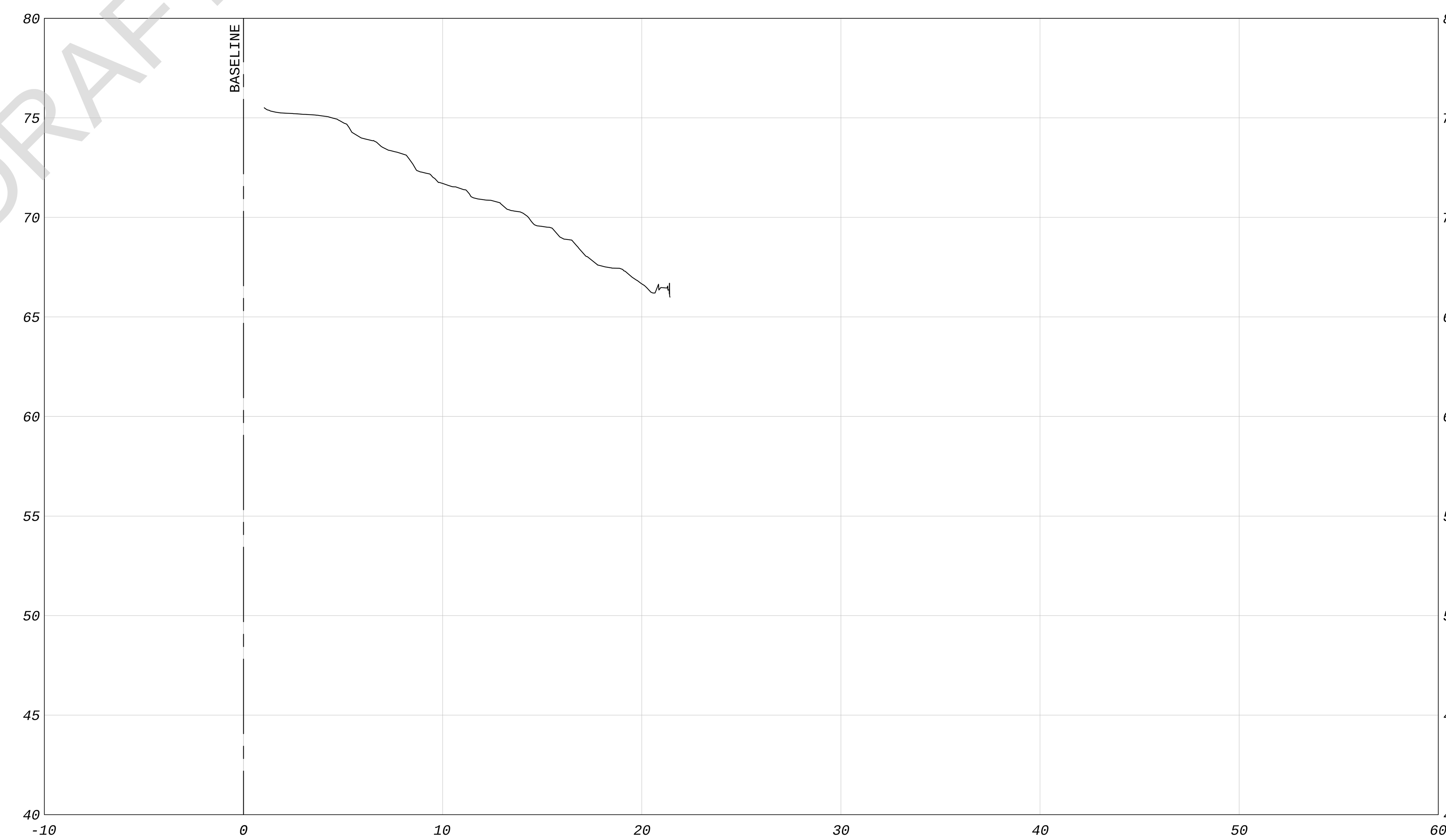

432+00

- DRAFT -

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT) 5 5

NO.	DATE	REVISION

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Environment & Infrastructure, Inc.
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 242+00 TO STA 436+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

27

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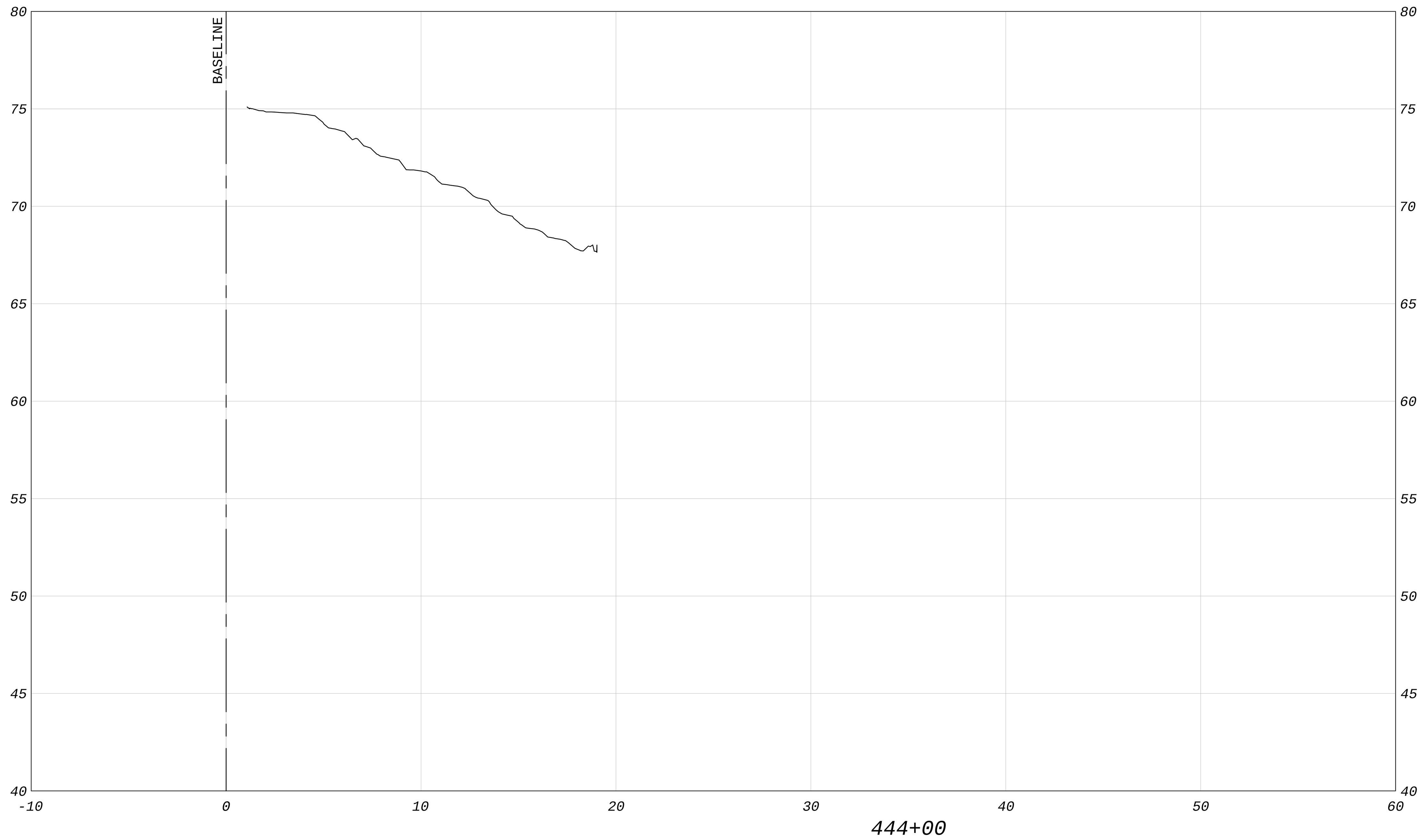

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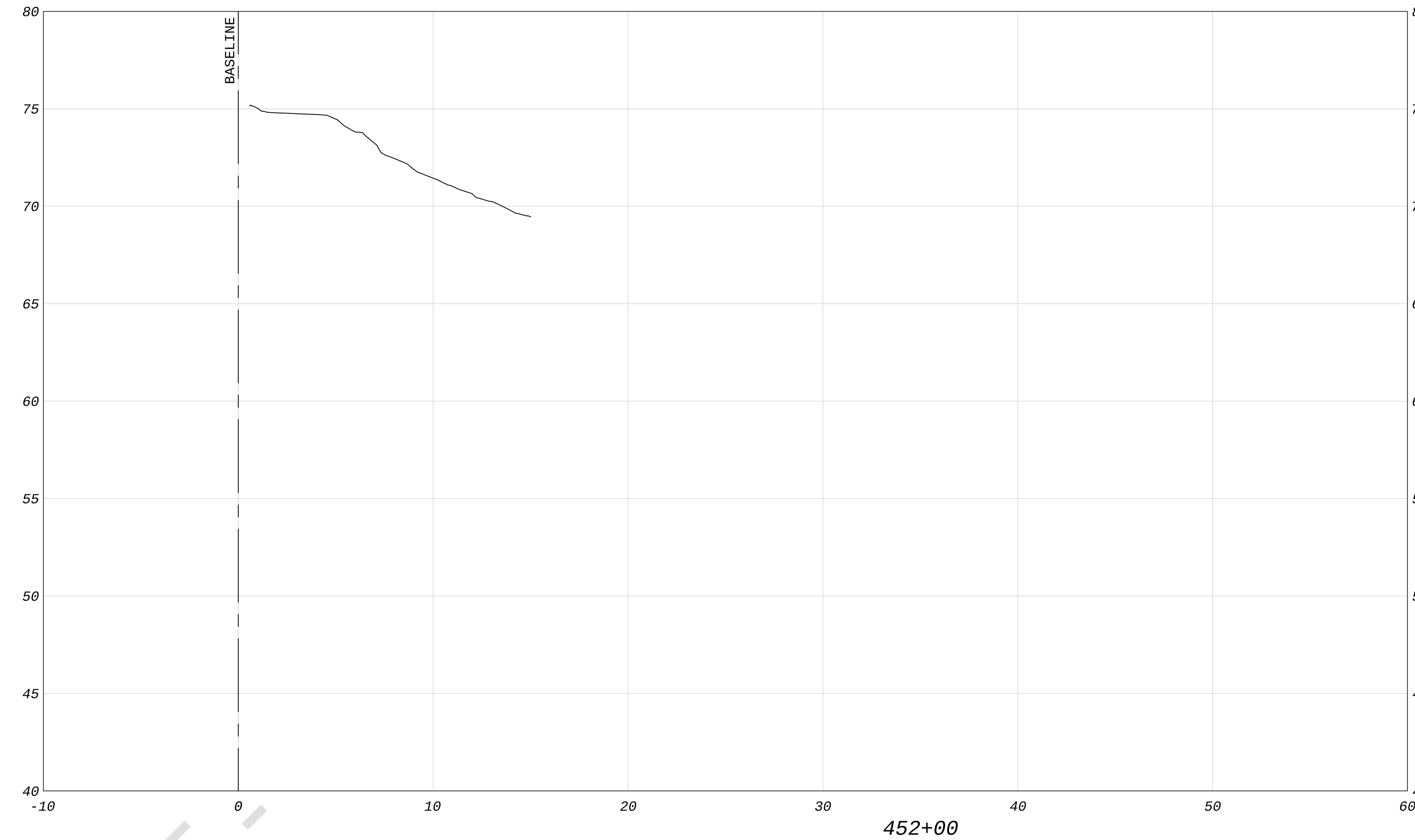

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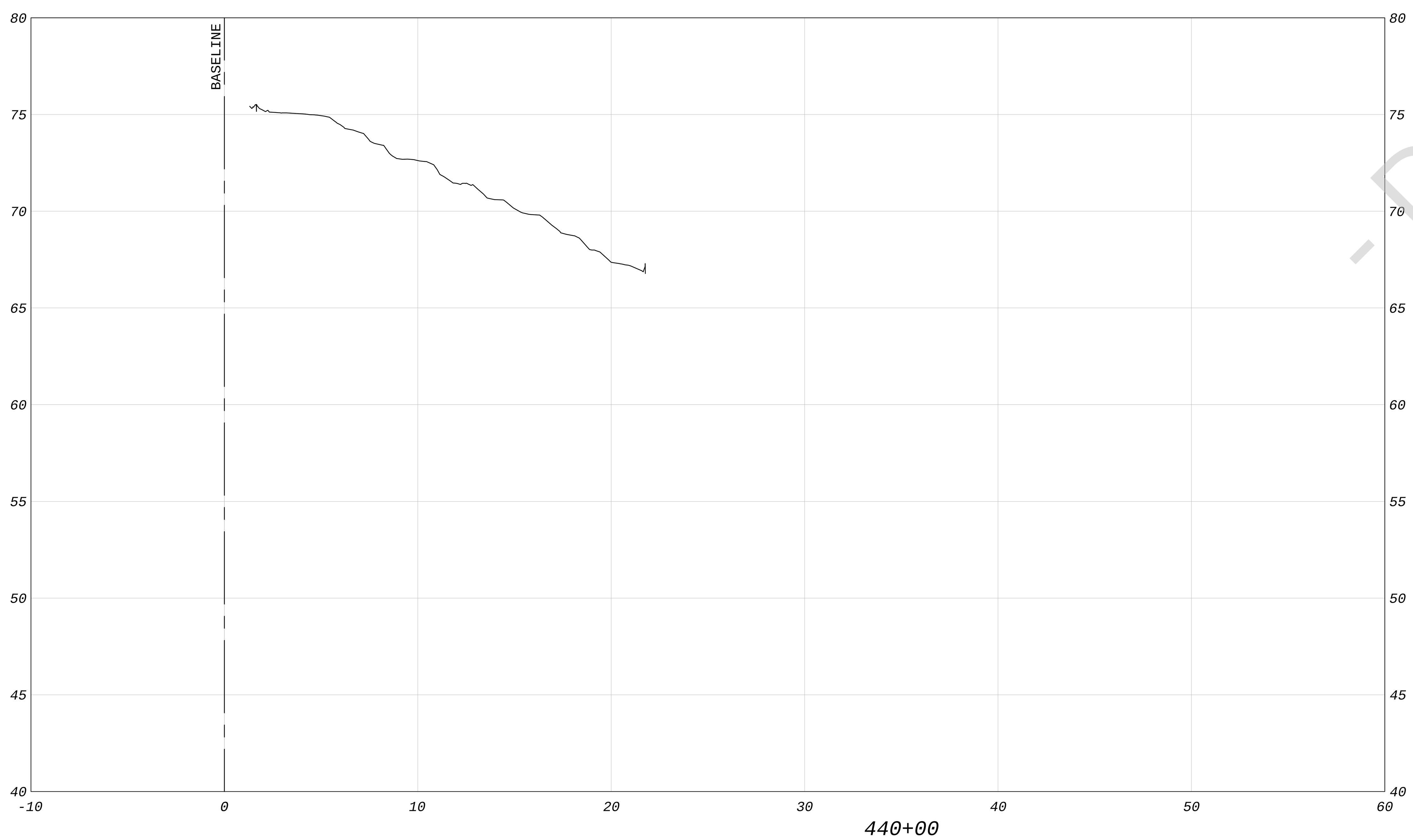

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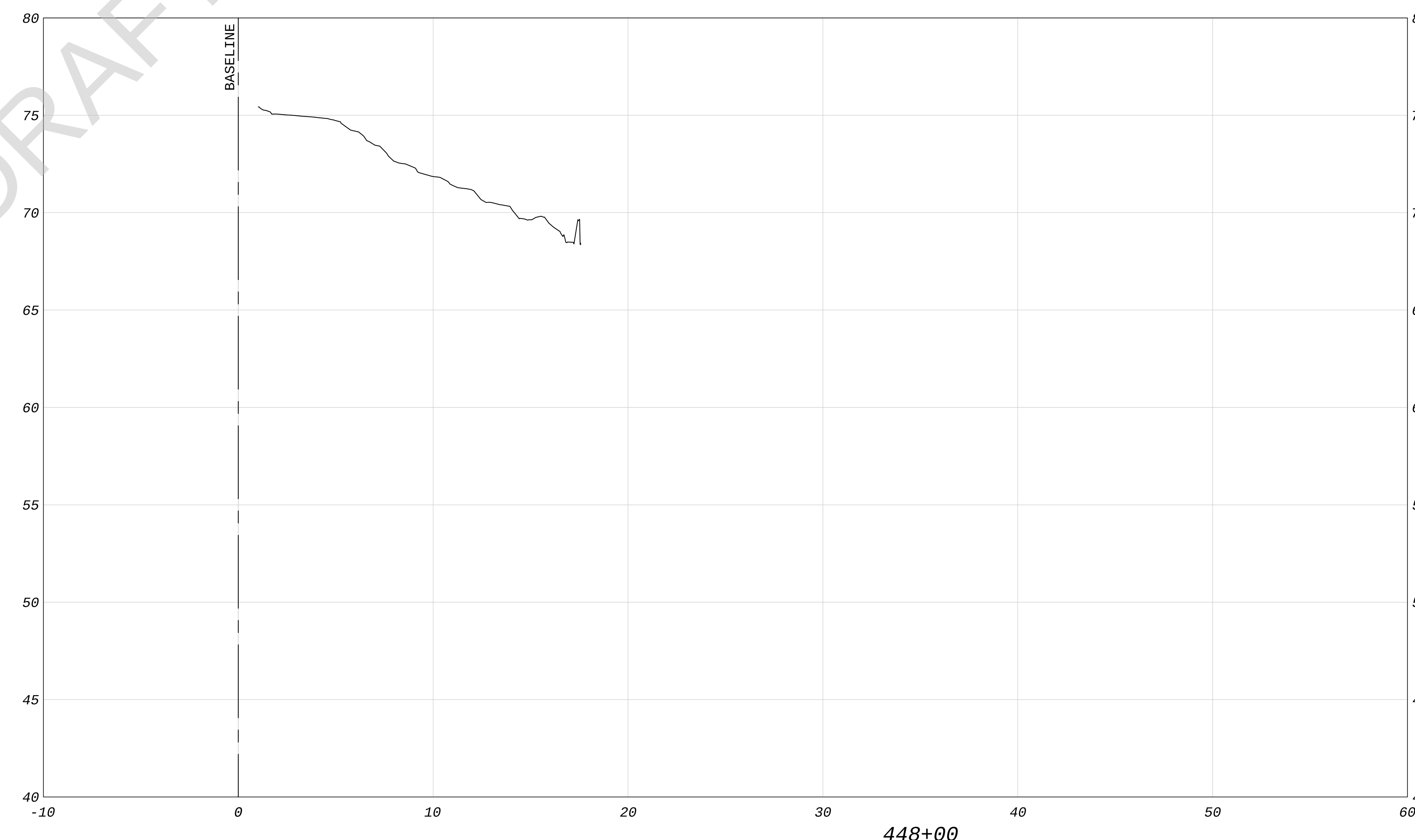

448+00

- DRAFT -

LEGEND

———	EXISTING GRADE
———	ORIGINAL DESIGN SLOPE
- - - - -	PROJECTED SLOPE ALONG HIGH POINT OF STEPS
▇	AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)
5
5

NO.	DATE	REVISION

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Phone: 1.863.667.2345 Fax: 1.863.667.2667
www.amecfw.com CA-5392

MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 440+00 TO STA 452+00
MANATEE COUNTY, FLORIDA

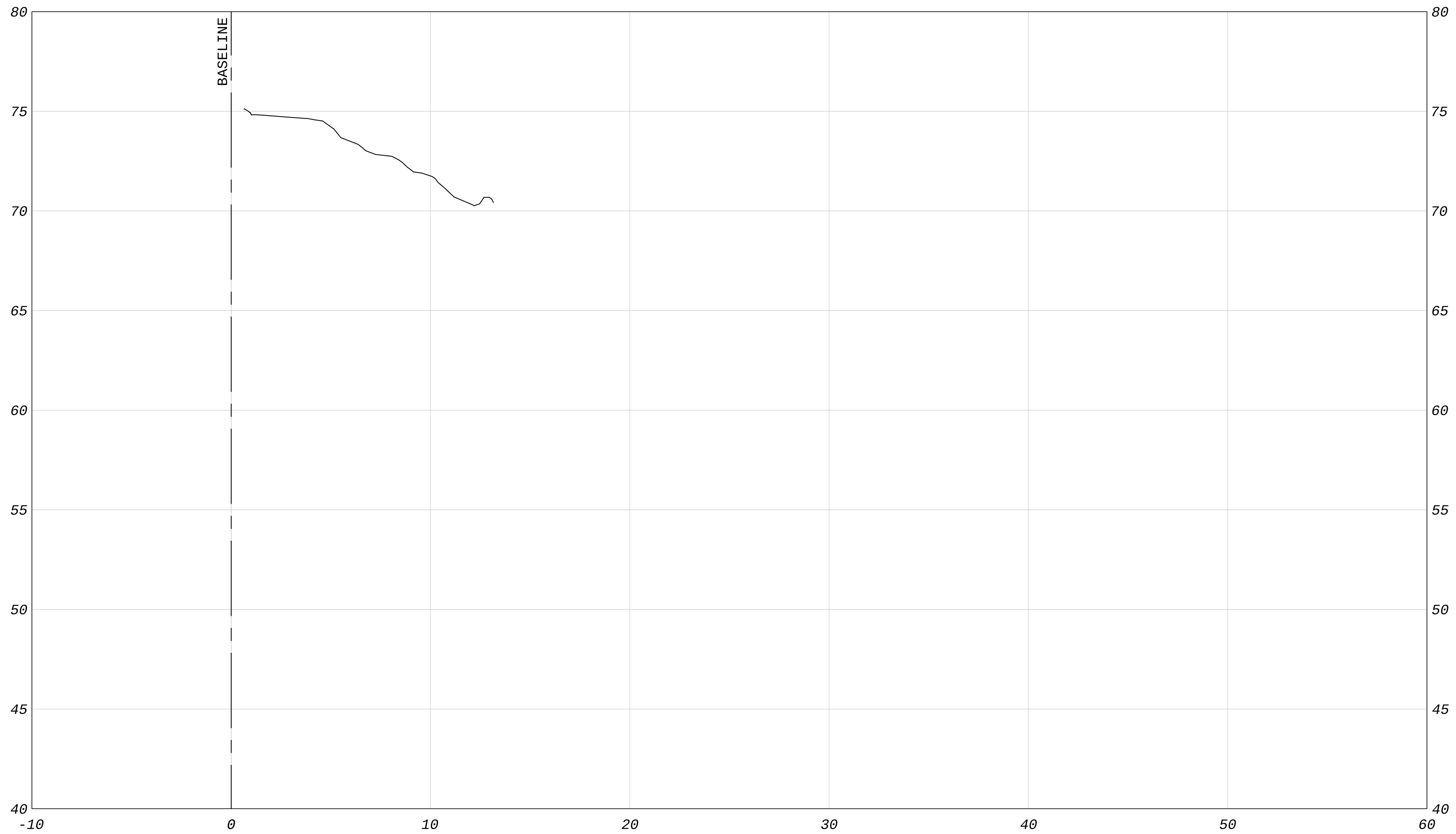
DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

28

P:\PROJECTS-C3D\300906_Manatee_Cooling_Pond\dwg\300906 Cross-Sections-06.dwg 5/15/2015 12:52 PM



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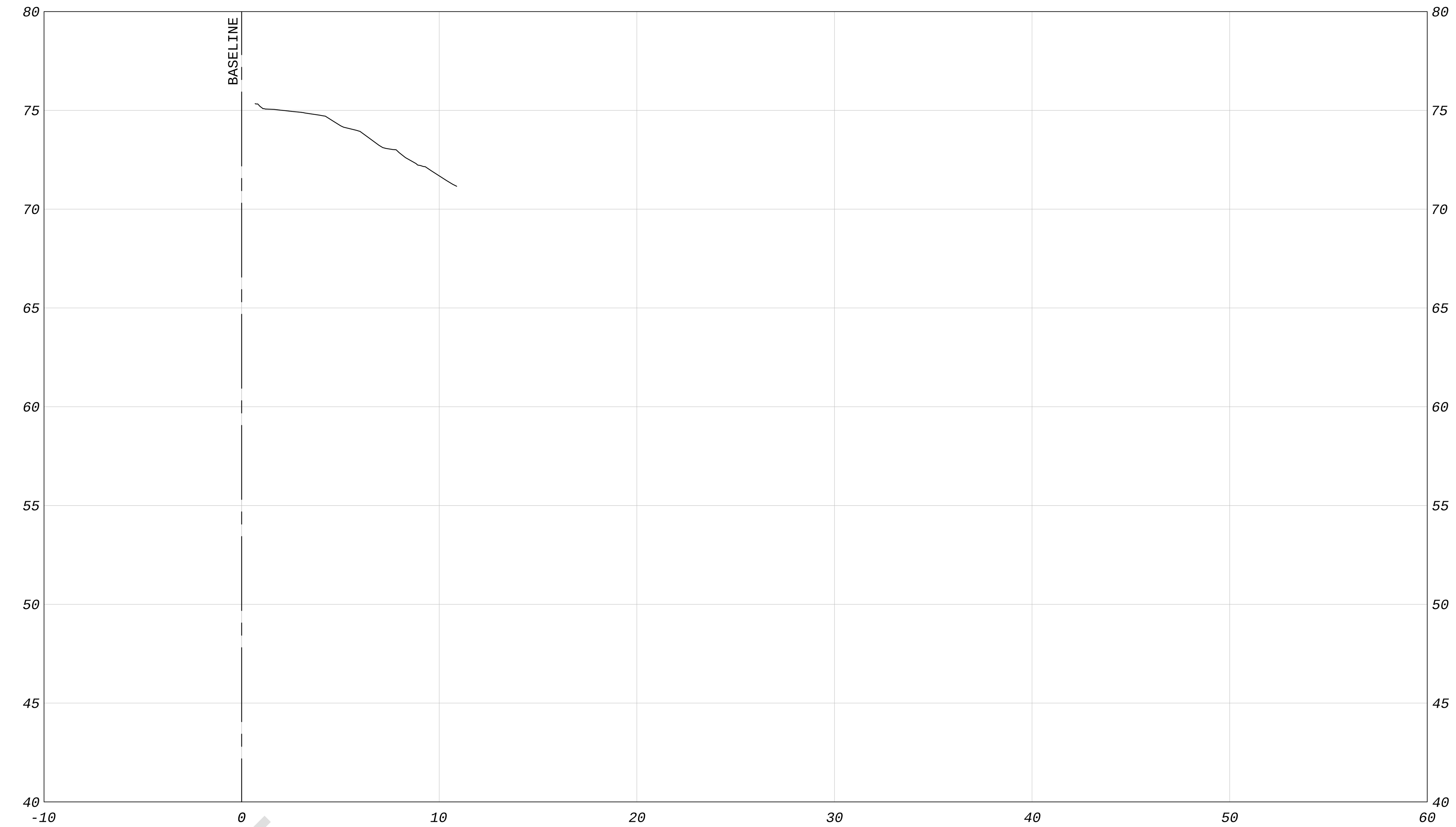
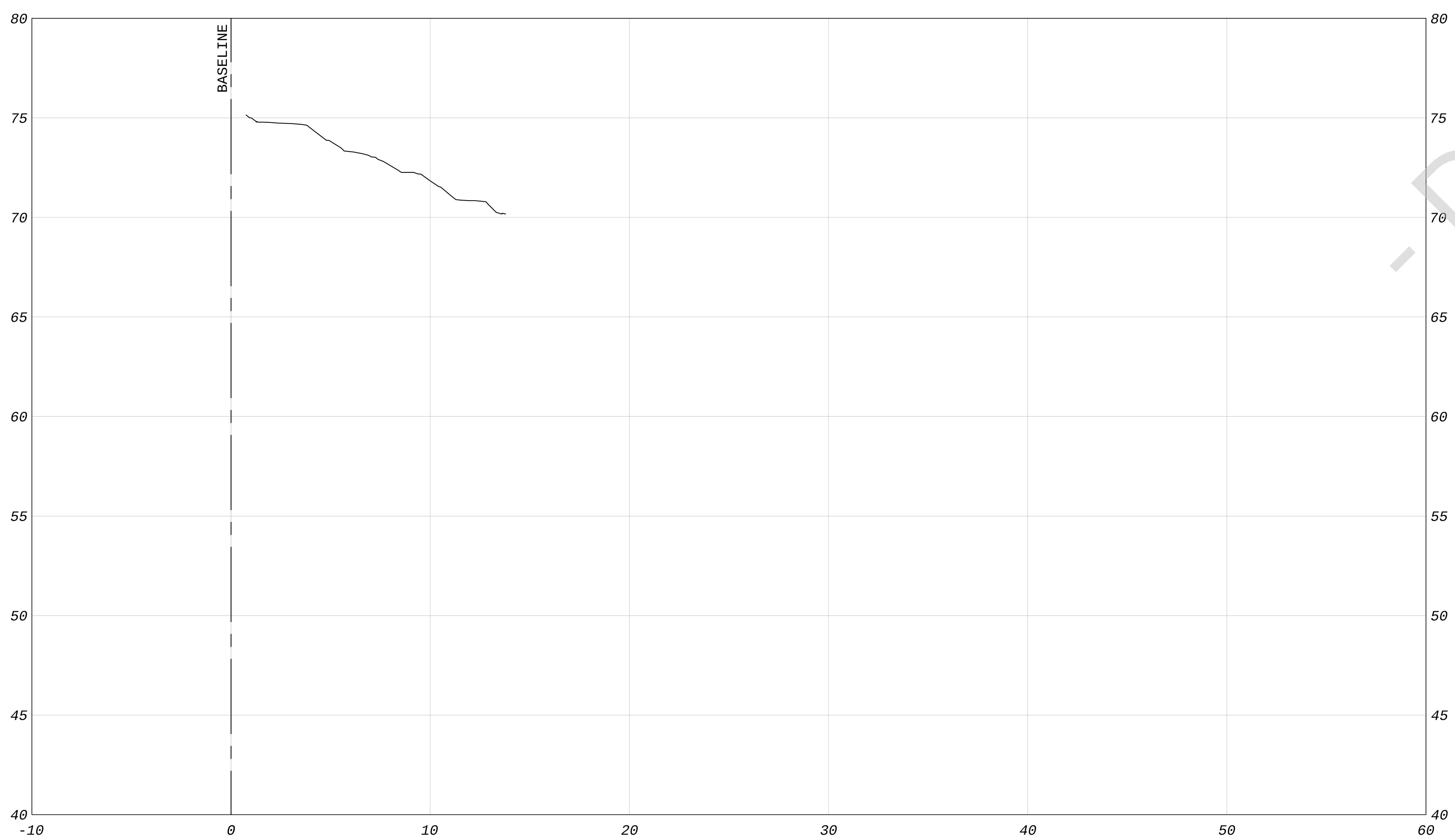


468+00



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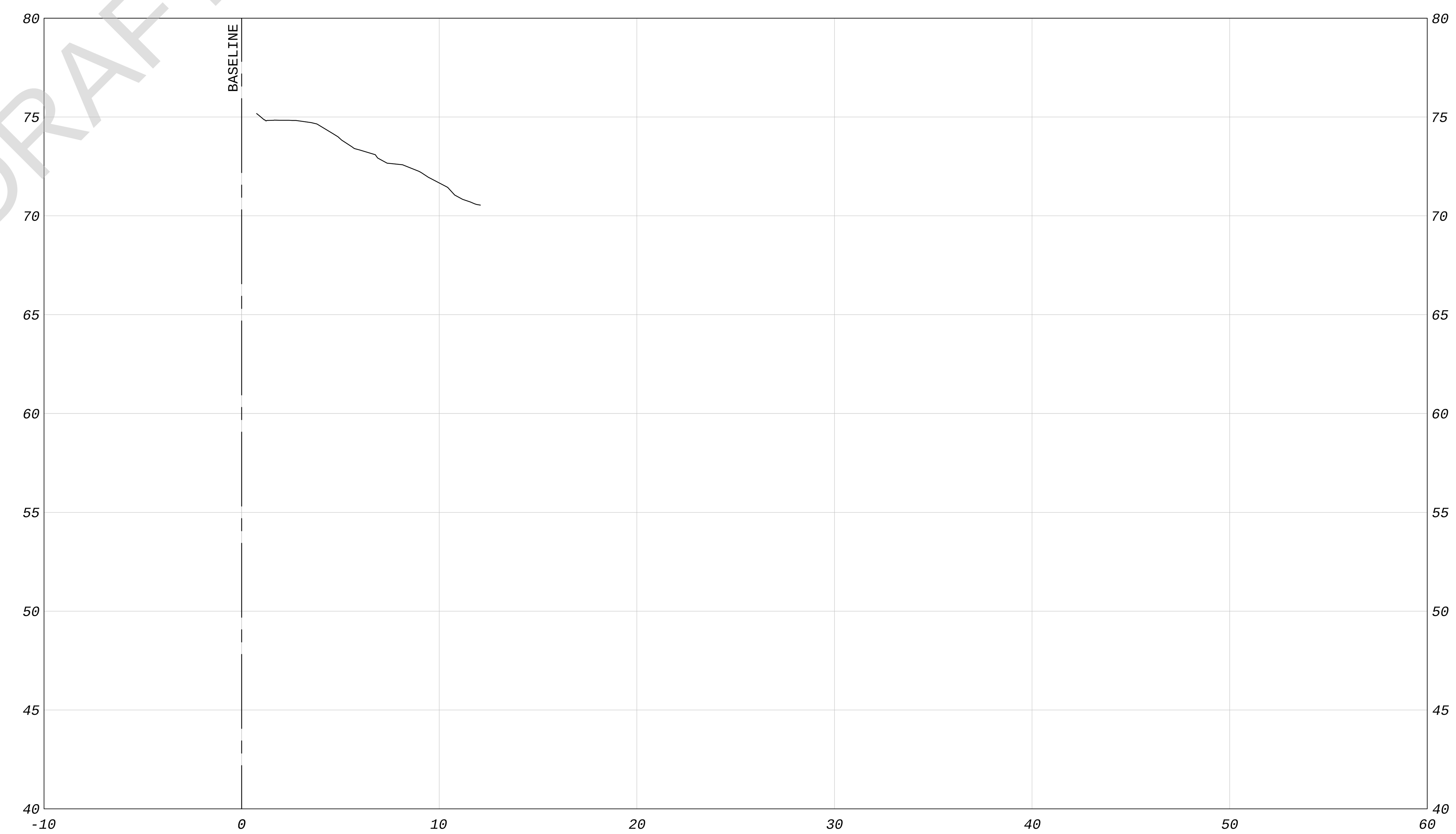

464+00

LEGEND

- EXISTING GRADE
- ORIGINAL DESIGN SLOPE
- PROJECTED SLOPE ALONG HIGH POINT OF STEPS
- AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

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REVISION | DATE | NO.

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Amec Foster Wheeler
Environment & Infrastructure, Inc.
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 456+00 TO STA 468+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
CHECKED BY: JAB
PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

29

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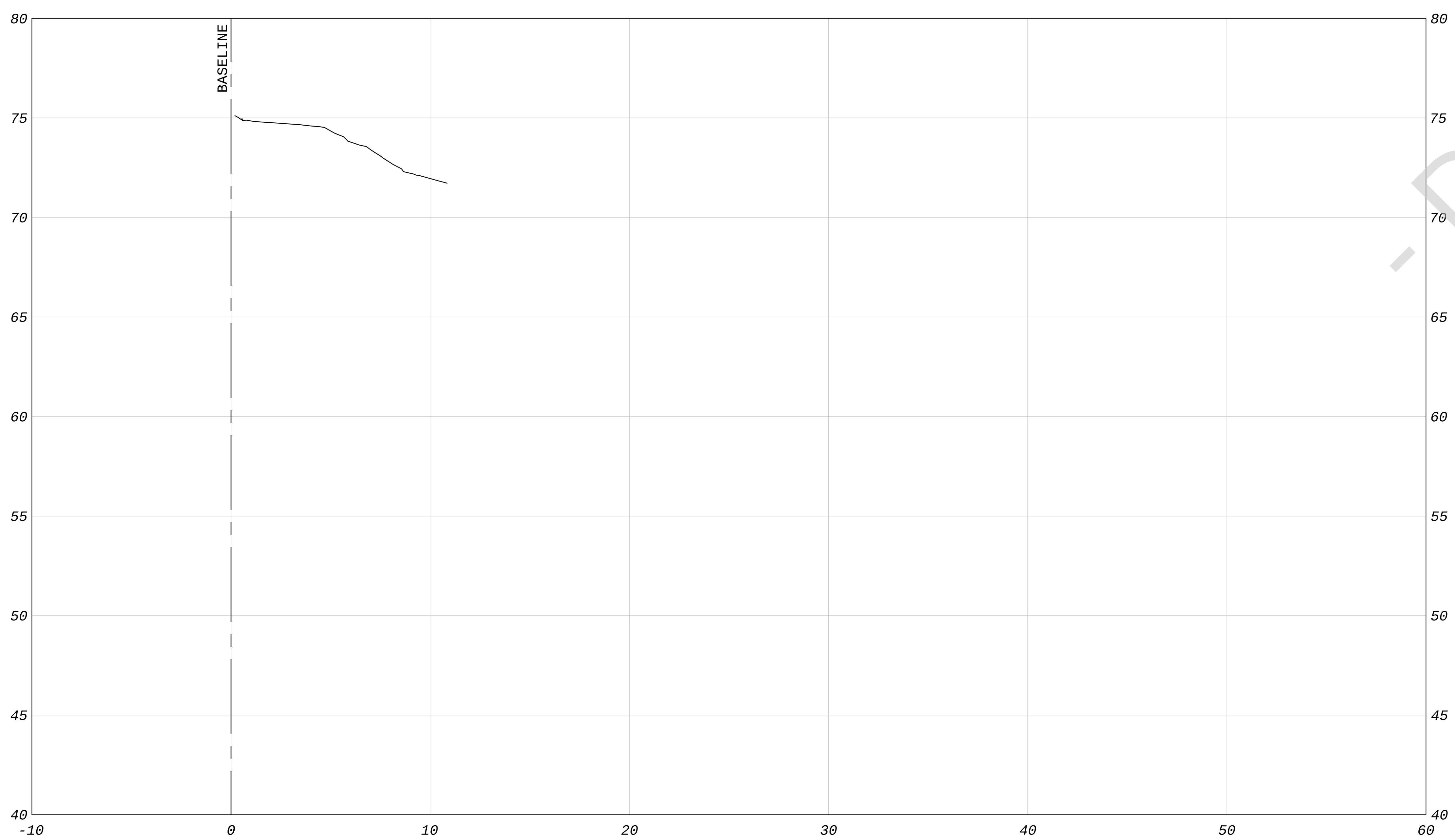

472+00

- DRAFT -

LEGEND

EXISTING GRADE
ORIGINAL DESIGN SLOPE
PROJECTED SLOPE ALONG HIGH POINT OF STEPS
AREA BENEATH PROJECTED SLOPE

REFERENCE:
EXISTING TOPOGRAPHY BASED ON GEORGE F. YOUNG & ASSOCIATES
COMBINED LIDAR & SONAR; APRIL 2015

GRAPHIC SCALE (FT)
5
5

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amec foster wheeler
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MANATEE COOLING POND
FLORIDA POWER & LIGHT COMPANY

CROSS SECTIONS
STA 472+00
MANATEE COUNTY, FLORIDA

DATE: May 15, 2015
DRAWN BY: MAJ
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PROJECT NO.: 300906

JEFF BERISWILL, P.E.
FLA. REG. NO. 41823

DATE:

30

P:\PROJECTS-C3D\300906_Manatee_Cooling_Pond\dwg\300906 Cross-Sections-06.dwg 5/15/2015 12:52 PM

STA	Coring Information								
	Top Third SC Thickness	Top Third Recovered Core Length (ft)	Top Third SC RQD	Middle Third SC Thickness	Mid Third Recovered Core Length (ft)	Middle Third SC RQD	Bottom Third SC Thickness	Bot Third Recovered Core Length (ft)	Bottom Third SC RQD
40+00	3.50	3.50	88	3.16	3.00	100			
44+00	3.71	3.71	100	2.50	2.50	94			
48+00	2.60	2.60	76	2.90	2.90	100			
52+00	3.20	3.20	95	2.60	2.60	85	2.92	2.22	87
53+41	3.00	2.75	81	3.16	2.90	100	2.75	2.22	88
53+80	3.00	2.80	100	2.92	2.65	100	2.58	2.50	100
56+00	2.55	2.55	66	2.92	2.75	93	2.55	2.55	91
60+00	3.30	3.30	48	3.15	3.15	97	2.50	2.18	89
64+00	3.15	3.15	100	3.10	3.10	90	2.50	2.10	78
68+00	3.40	3.40	91	2.90	2.90	83	3.33	3.22	96
72+00	2.90	2.90	91	2.90	2.90	100	2.65	2.65	85
76+00	3.05	3.05	88	3.20	3.20	100	3.50	2.88	98
80+00	2.96	2.96	100	2.80	2.80	86	3.08	2.55	100
84+00	3.10	3.10	94	3.15	3.15	90	3.10	3.10	100
88+00	2.96	2.95	100	2.51	2.51	92	2.80	2.80	100
92+00	3.16	3.16	100	2.60	2.60	88	2.73	2.73	95
93+00	3.00	2.75	100	2.33	2.00	100	3.00	2.75	100
96+00	2.80	2.80	100	2.40	2.40	100	2.82	2.82	74
100+00	2.80	2.80	100	2.02	2.02	29	2.90	2.90	97
104+00	2.25	2.25	100	2.50	2.50	92	2.83	2.45	100
108+00	2.88	2.88	95	3.05	3.05	89	2.51	2.51	90
109+00	3.33	2.75	100	2.92	2.55	100	2.75	2.30	93
112+00	1.70	1.70	100	3.16	2.55	100	3.25	2.80	74
116+00	2.43	2.43	100	3.10	3.10	82	2.30	2.30	100
120+00	2.40	2.40	100	4.00	4.00	100	3.00	2.15	99
124+00	2.82	2.82	99	3.00	3.00	100	2.30	2.30	70
128+00	2.00	2.00	90	2.97	2.55	100	2.00	1.75	91
132+00	2.80	2.80	84	3.00	2.70	100	2.50	2.10	99
136+00	2.85	2.85	100	2.50	2.50	100	2.60	2.60	99
140+00	2.55	2.55	100	2.90	2.90	93	2.67	2.25	100
144+00	2.75	2.60	86	2.75	2.60	92	3.67	3.40	100
148+00	2.75	2.75	100	3.10	3.10	100	3.83	2.95	100
152+00	3.05	3.05	93	3.25	2.96	91	3.75	2.62	100
156+00	2.50	2.15	100	2.70	2.70	100	3.00	1.90	100
160+00	3.00	3.00	86	1.55	1.55	95	2.90	2.90	100

STA	Coring Information								
	Top Third SC Thickness	Top Third Recovered Core Length (ft)	Top Third SC RQD	Middle Third SC Thickness	Mid Third Recovered Core Length (ft)	Middle Third SC RQD	Bottom Third SC Thickness	Bot Third Recovered Core Length (ft)	Bottom Third SC RQD
164+00	2.75	2.70	100	3.50	2.15	99	2.75	2.75	100
165+00	2.50	2.25	100	2.85	2.85	100	4.00	4.00	100
166+00	2.67	2.60	92	3.33	2.90	100	3.50	3.15	99
169+00	2.10	2.10	76	2.83	1.45	69	2.50	1.60	100
170+00	2.17	1.95	100	2.50	2.25	79	3.00	2.55	98
171+00	2.83	1.95	90	2.75	2.41	100	1.50	1.15	74
172+00	1.50	1.25	99	2.83	2.60	88	2.50	1.75	75
173+00	2.58	2.25	89	2.42	2.40	88	2.17	1.85	91
174+00	2.50	2.25	100	2.00	1.57	100	2.00	1.70	86
175+00	2.50	2.35	98	2.67	2.25	100	1.67	1.45	0
176+00	2.25	2.25	100	2.15	2.15	65	2.00	1.80	66
177+00	1.83	1.40	99	3.00	2.62	85	2.00	1.78	100
178+00	2.42	2.15	100	3.00	2.70	78	2.00	1.65	36
179+00	2.50	2.12	88	2.33	1.95	92	2.67	2.15	81
180+00	2.92	2.50	94	2.16	0.00	0	1.30	1.10	77
181+00	2.08	1.99	100	3.00	2.55	77	3.00	1.50	76
182+00	1.76	1.75	100	3.00	2.60	100	2.50	2.00	87
183+00	2.00	1.90	100	3.00	2.75	78	3.33	2.90	81
184+00	2.50	2.50	89	2.65	2.65	99	2.33	1.50	51
185+00	2.33	2.13	85	2.08	1.92	49	2.67	2.05	82
186+00	2.35	2.15	100	2.67	2.27	100	2.67	2.40	79
187+00	2.00	1.88	88	3.00	2.75	99	2.33	2.00	88
188+00	2.90	2.90	100	3.00	2.40	83	2.75	2.30	78
189+00	2.67	2.50	94	3.00	2.83	92	1.58	1.25	74
190+00	2.42	2.40	100	3.00	2.60	19	2.00	1.85	92
191+00	2.60	2.50	100	2.67	2.40	100	2.50	2.00	95
192+00	3.00	2.70	94	2.67	1.90	100	2.33	0.00	0
193+00	3.00	2.83	96	2.00	1.82	84	3.00	2.20	94
194+00	2.50	2.45	100	1.50	1.25	100	2.17	2.05	80
195+00	2.75	2.75	100	2.75	2.75	100	2.50	2.20	100
196+00	2.40	2.40	100	2.80	2.80	100	2.75	1.95	68
197+00	2.83	2.50	70	2.67	2.05	100	3.00	2.70	92
198+00	2.50	2.25	100	2.67	2.40	100	3.00	2.40	100
199+00	2.00	1.75	100	3.08	2.15	100	2.92	2.50	92
200+00	3.05	3.05	100	2.75	2.30	100	2.92	2.75	100
201+00	3.00	1.95	99	2.92	2.67	99	3.33	3.05	100
202+00	2.75	2.40	88	2.67	2.60	73	2.58	2.10	100

STA	Coring Information								
	Top Third SC Thickness	Top Third Recovered Core Length (ft)	Top Third SC RQD	Middle Third SC Thickness	Mid Third Recovered Core Length (ft)	Middle Third SC RQD	Bottom Third SC Thickness	Bot Third Recovered Core Length (ft)	Bottom Third SC RQD
203+00	3.00	2.95	98	2.67	2.35	98	2.83	2.40	100
204+00	2.75	2.20	100	3.00	2.60	100	3.00	2.46	99
205+00	3.00	2.30	97	2.67	2.40	100	2.58	2.30	80
206+00	2.83	2.17	86	2.67	2.25	100	2.83	2.35	100
207+00	3.00	2.45	100	2.58	2.05	84	1.92	1.50	60
208+00	2.20	2.20	85	2.90	2.70	91	2.92	2.50	95
209+00	3.25	3.00	100	2.50	2.20	69	2.83	2.30	80
209+50				2.50	2.20	91	3.16	2.55	89
210+00	3.00	2.90	83	2.58	1.70	42	2.42	2.00	93
210+50				2.75	1.70	82	2.58	2.05	100
211+00	3.00	2.65	100	1.83	1.70	74	2.50	1.95	93
211+50				3.00	2.20	89	2.33	2.10	76
212+00	2.83	2.50	100	3.00	2.90	79	2.00	0.90	88
212+50				3.67	3.00	93	3.25	2.50	76
213+00	2.75	2.45	92	1.83	1.40	34	2.35	2.33	91
213+50				2.58	2.10	76	2.58	2.15	88
214+00	2.83	2.70	94	2.58	2.35	56	2.75	2.60	74
214+50				1.92	1.45	86	2.58	1.30	38
215+00	3.08	2.95	80	1.25	1.00	65	1.83	0.92	38
215+50				1.58	1.00	100	2.50	1.40	69
216+00	2.83	2.65	100	2.58	2.33	98	2.33	2.10	45
216+50				3.58	2.60	78	2.58	1.40	39
217+00	2.67	2.27	100	2.00	1.55	39	2.33	2.10	100
217+50				2.58	1.55	58	1.83	1.10	55
218+00	3.25	1.66	100	2.50	1.91	73	2.58	2.30	67
218+50				2.50	1.90	89	3.00	2.20	90
219+00	2.33	1.70	82	2.83	2.45	70	2.58	2.30	91
219+50				3.00	2.40	75	2.92	2.35	87
220+00	2.60	2.60	100	3.00	0.50	0	2.50	0.90	0
220+50				2.50	2.12	88	2.67	1.98	100
221+00	2.50	2.05	100	3.00	2.70	91	2.33	2.13	100
221+50				3.33	2.75	95	2.42	2.10	70
222+00	2.00	1.65	100	2.00	1.70	100	2.00	1.42	79
222+50				2.67	2.00	91	2.83	2.55	80
223+00	2.33	1.87	100	2.67	2.05	100	2.00	1.70	50
223+50				2.42	2.05	87	2.00	0.60	0
224+00	2.50	2.30	87	2.83	1.75	100	2.50	1.25	44

STA	Coring Information								
	Top Third SC Thickness	Top Third Recovered Core Length (ft)	Top Third SC RQD	Middle Third SC Thickness	Mid Third Recovered Core Length (ft)	Middle Third SC RQD	Bottom Third SC Thickness	Bot Third Recovered Core Length (ft)	Bottom Third SC RQD
224+50				2.42	2.15	100	2.75	2.45	89
225+00	2.08	1.85	89	3.00	2.80	75	2.67	1.80	100
225+50				2.67	2.59	94	2.75	2.53	89
226+00	2.42	1.90	100	2.92	2.75	84	2.80	2.00	100
226+50				2.92	2.55	100	2.58	2.35	100
227+00	2.25	1.95	100	2.50	2.00	100	2.75	2.75	100
227+50				2.60	2.43	99	2.50	2.42	99
228+00	2.70	2.70	98	3.50	2.40	100	2.83	1.75	100
228+50				2.75	2.40	100	3.08	2.63	100
229+00	2.50	2.37	100	2.83	2.40	87	2.50	2.05	73
229+50				2.67	2.50	100	2.83	2.50	100
230+00	2.00	1.80	90	3.00	2.60	40	2.17	1.90	100
230+50				2.83	2.00	100	2.58	2.42	95
231+00	2.33	1.35	73	2.67	2.35	87	2.00	1.90	100
232+00	2.30	2.30	100	3.00	2.17	100	3.00	1.70	82
233+00	2.83	2.30	100	3.00	2.45	92	3.00	2.35	100
234+00	2.00	1.95	100	3.67	3.30	100	2.17	1.50	90
235+00	2.33	2.15	100	3.50	2.35	91	2.50	2.20	86
236+00	2.92	2.70	99	2.58	2.25	99	2.58	2.10	93
240+00	2.83	2.50	100	2.50	1.47	93	2.83	1.52	99
244+00	2.75	2.65	88	2.58	2.05	90	2.50	2.00	100
248+00	2.30	2.30	100	2.16	1.60	64	2.67	1.85	84
249+00				2.50	2.25	91	3.16	3.00	100
250+00				2.50	2.10	95	2.75	2.40	100
251+00				2.92	2.50	100	2.67	2.18	99
252+00	2.50	2.40	90	2.58	2.50	92	2.00	1.85	89
253+00				2.08	2.00	96	2.92	2.50	100
254+00				2.75	2.30	100	2.16	1.73	100
255+00				2.08	1.70	100	1.33	1.20	100
256+00	2.00	1.96	100	2.67	2.00	65	2.25	2.00	0
257+00				2.00	1.75	100	2.25	1.47	100
258+00				2.25	1.75	100	2.33	1.53	45
259+00				2.00	1.55	74	2.67	2.40	100
260+00	2.80	2.45	100	2.25	2.10	76	2.17	1.90	83
261+00				2.33	1.75	100	2.33	1.87	100
262+00				2.33	1.40	100	2.58	2.15	99
263+00				2.16	1.90	100	2.50	2.00	88

STA	Coring Information								
	Top Third SC Thickness	Top Third Recovered Core Length (ft)	Top Third SC RQD	Middle Third SC Thickness	Mid Third Recovered Core Length (ft)	Middle Third SC RQD	Bottom Third SC Thickness	Bot Third Recovered Core Length (ft)	Bottom Third SC RQD
264+00	2.55	2.55	100	2.30	2.25	100	2.17	2.00	85
265+00				2.25	2.07	100	2.67	2.00	90
266+00				2.58	2.30	99	2.50	2.15	98
267+00				2.25	1.95	100	2.33	1.90	100
268+00	2.33	2.13	100	2.50	2.35	100	2.05	2.05	63
269+00				2.50	2.20	84	2.42	2.10	76
270+00	2.33	2.20	86	1.75	1.65	97	2.42	2.05	99
271+00	2.00	1.88	100	2.08	1.92	49	3.00	2.08	100
272+00	2.70	2.70	100	2.00	1.87	100	2.25	2.25	75
273+00	2.83	2.70	100	2.67	2.57	82	2.50	1.95	100
274+00	2.50	2.30	91	2.00	1.70	100	2.50	2.30	78
275+00	3.33	2.80	100	1.50	1.15	100	2.00	1.50	87
276+00	2.75	2.25	90	2.33	2.02	100	1.42	1.10	90
277+00	2.58	2.43	92	2.08	1.90	89	2.42	2.00	80
278+00	2.58	2.55	100	1.67	1.60	31	1.60	1.60	100
279+00	2.35	2.35	89	2.17	2.10	94	2.17	1.94	100
280+00	2.70	2.70	91	1.92	1.65	44	1.90	1.80	81
281+00	2.17	2.00	100	1.33	1.25	50	2.08	2.05	100
282+00	2.50	2.00	100	2.33	2.30	100	2.00	1.95	78
283+00	2.58	2.45	92	2.00	1.90	87	2.00	1.75	91
284+00	3.05	3.05	84	2.90	2.25	77	2.60	1.80	100
285+00	2.25	2.20	86	2.50	2.03	100	3.00	2.70	100
286+00	2.25	2.20	99	2.83	2.60	100	3.33	3.20	100
287+00	2.25	2.22	100	2.25	2.05	84	2.33	1.85	100
288+00	2.80	2.80	75	2.67	1.75	80	2.33	2.20	100
289+00	2.33	2.30	89	2.67	2.35	89	3.00	2.70	75
290+00	2.42	2.40	100	2.50	2.30	70	2.42	2.30	
292+00	2.60	1.35	77	3.00	2.90	85	2.67	2.55	90
296+00	1.85	1.85	92	2.70	2.70	99	2.60	2.60	100
300+00	2.92	2.60	100	2.00	1.95	84	2.75	2.50	99
304+00	2.85	2.85	100	2.83	2.55	100	2.58	2.00	100
308+00	3.00	3.00	85	2.83	2.45	86	3.33	2.95	99
312+00	2.60	2.40	90	3.17	2.95	100	3.00	2.77	100
316+00	2.80	2.80	89	2.40	2.25	100	2.83	2.75	87
320+00	3.26	2.60	38	2.50	2.15	81	3.00	2.90	99
324+00	2.80	2.80	100	2.60	2.60	99	2.60	2.60	100
328+00	2.98	2.98	100	3.00	2.90	76	3.16	2.80	79

STA	Coring Information								
	Top Third SC Thickness	Top Third Recovered Core Length (ft)	Top Third SC RQD	Middle Third SC Thickness	Mid Third Recovered Core Length (ft)	Middle Third SC RQD	Bottom Third SC Thickness	Bot Third Recovered Core Length (ft)	Bottom Third SC RQD
332+00	3.05	3.05	100	3.25	3.25	93	3.50	3.50	100
336+00	3.60	3.60	100	3.33	2.55	75	3.00	2.70	100
340+00	3.15	3.15	100	3.30	3.07	99	2.90	2.70	100
344+00	2.70	2.70	100	3.70	3.70	95	3.50	3.03	100
348+00	2.75	2.70	91	3.16	2.20	82	2.05	2.05	93
352+00	2.67	2.45	61	3.58	3.40	99	3.16	2.77	100