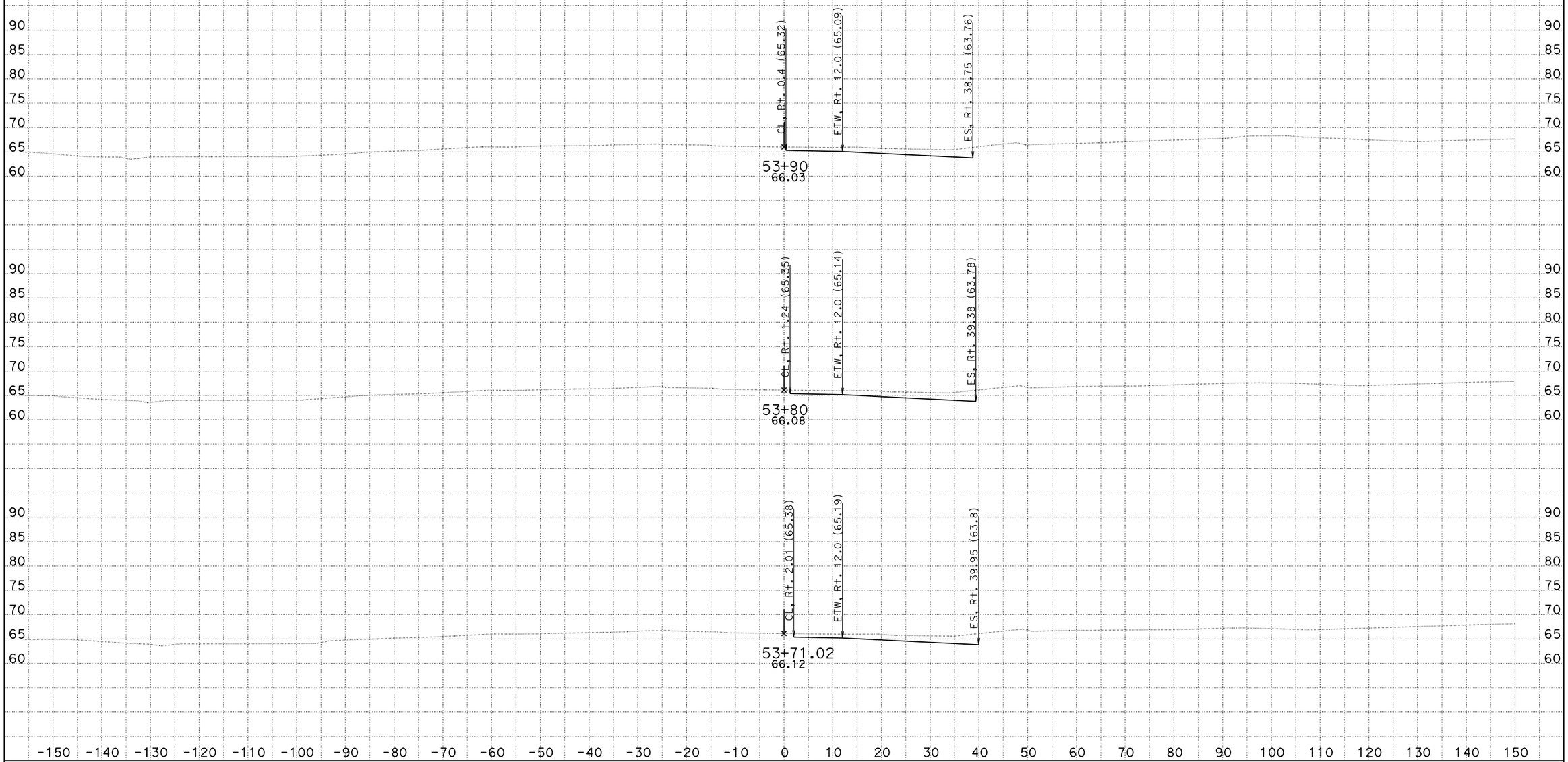
DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

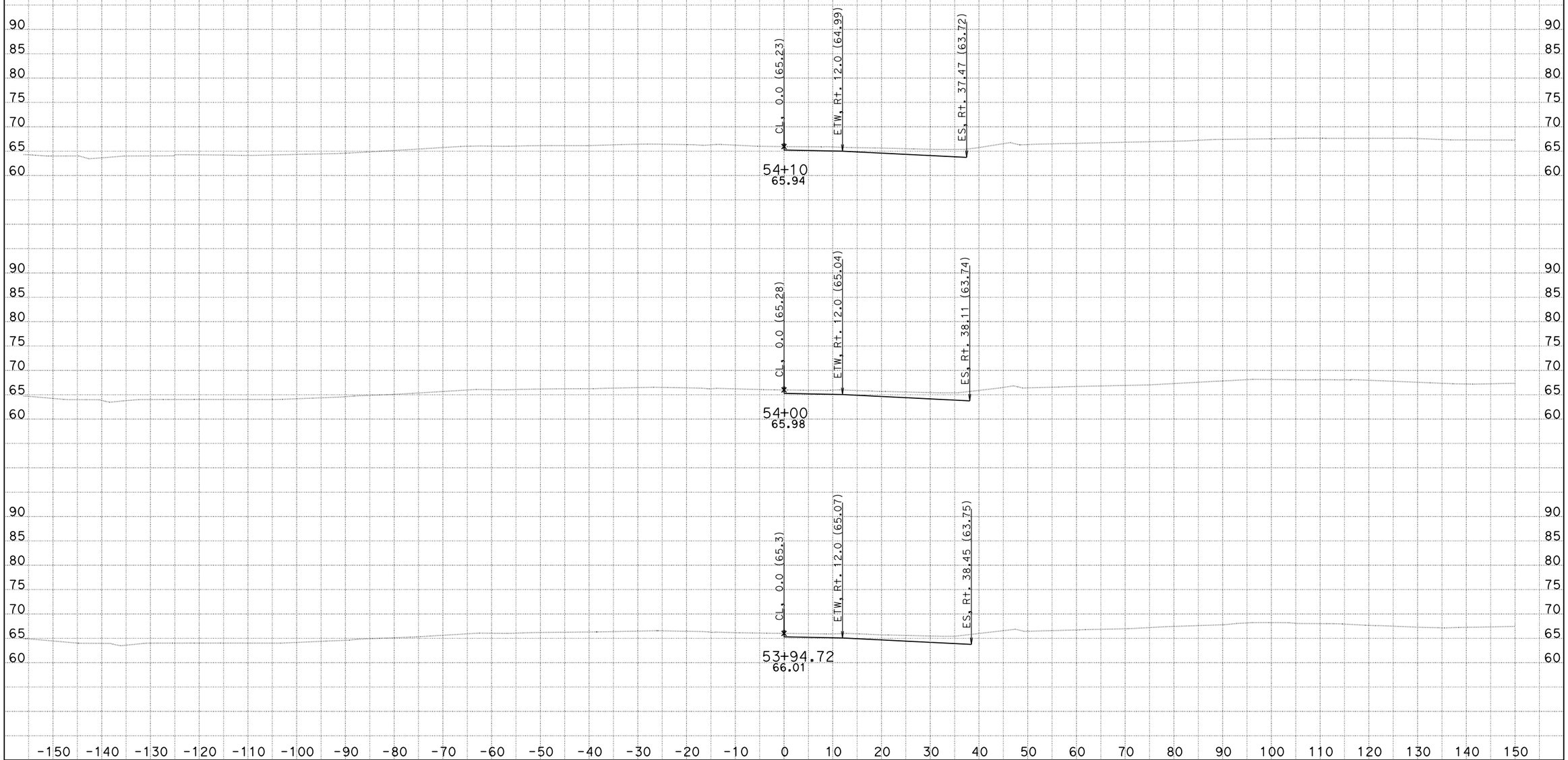
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 1 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

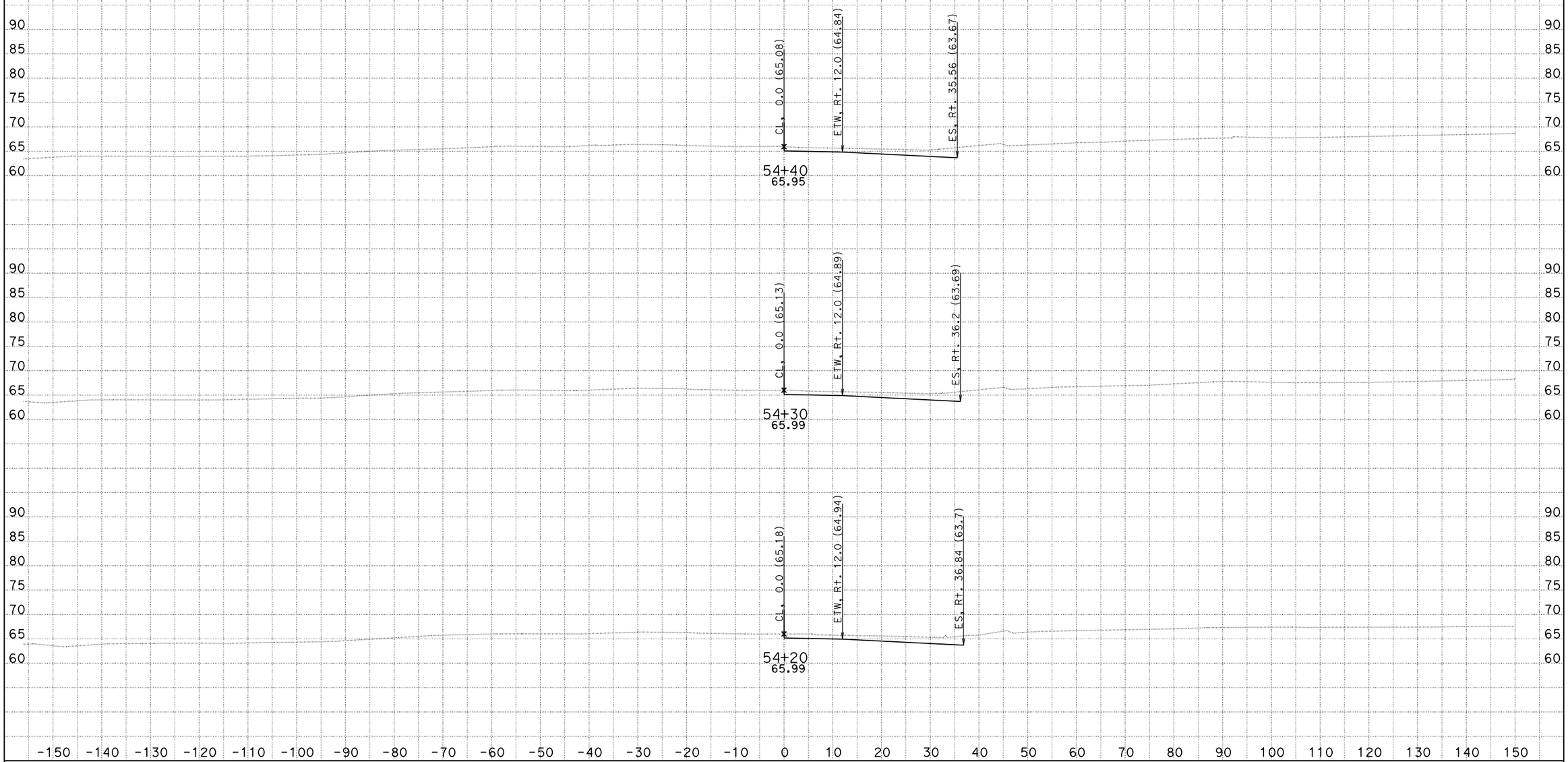
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 2 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

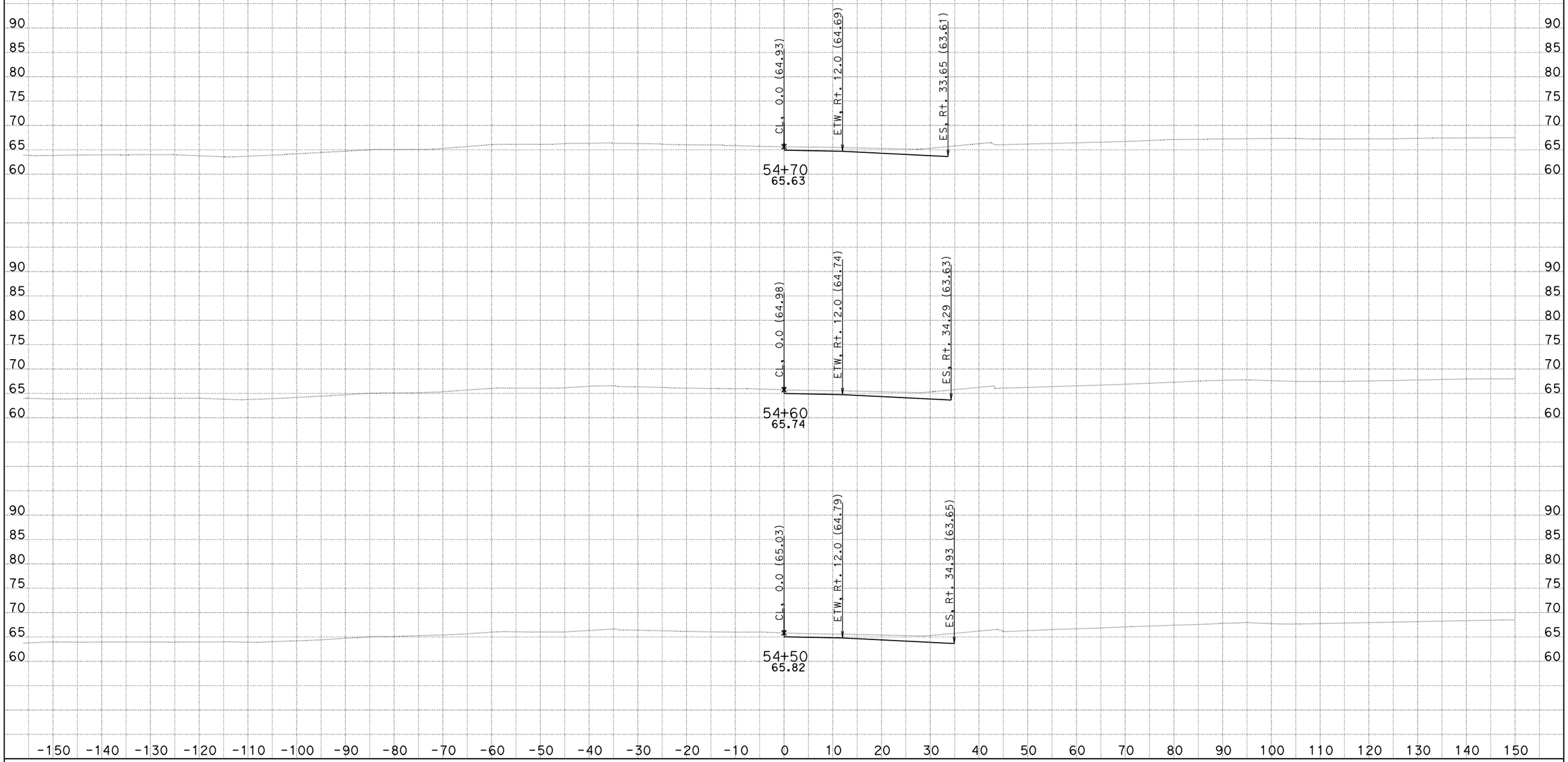
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 3 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

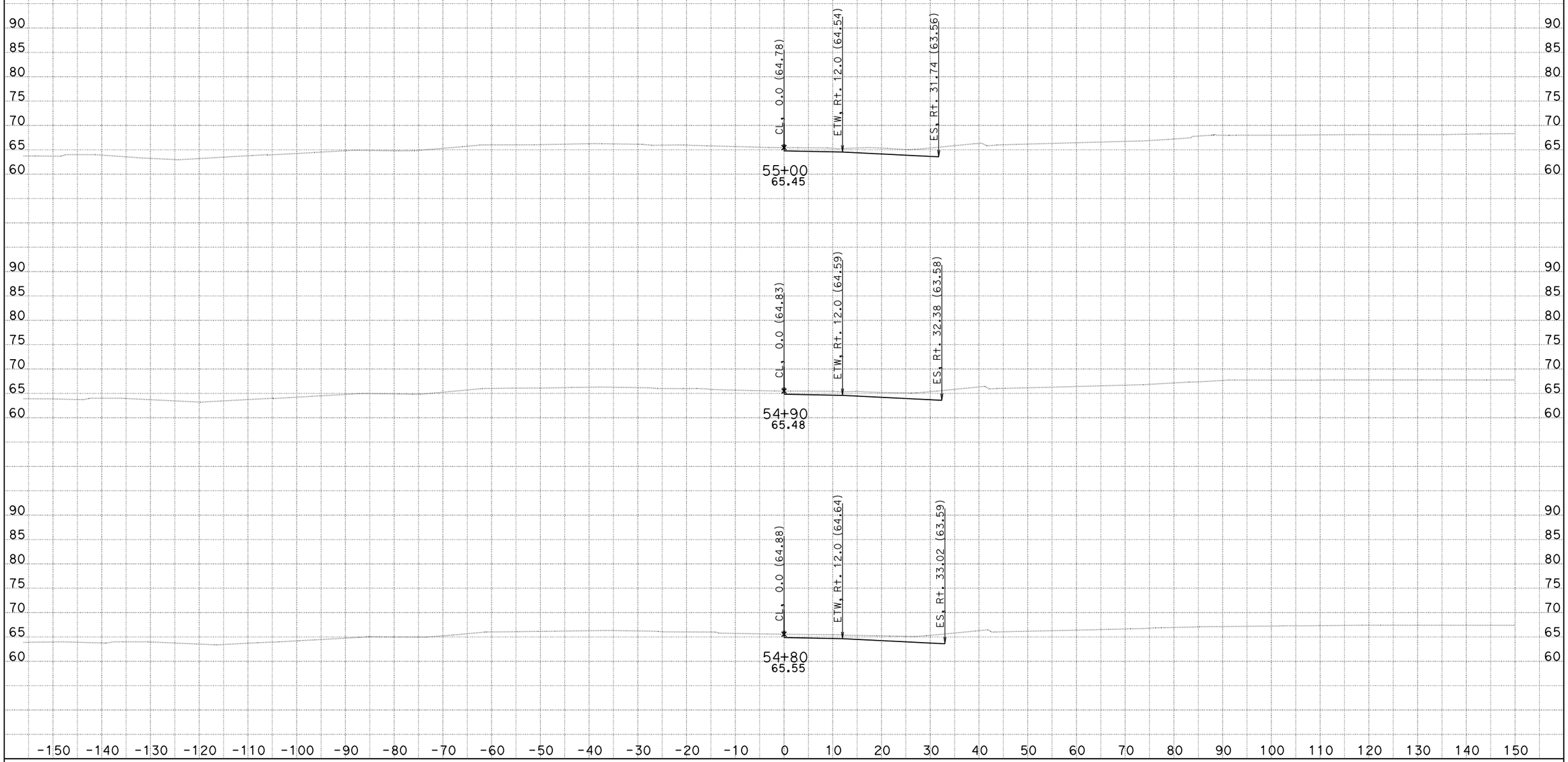
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 4 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

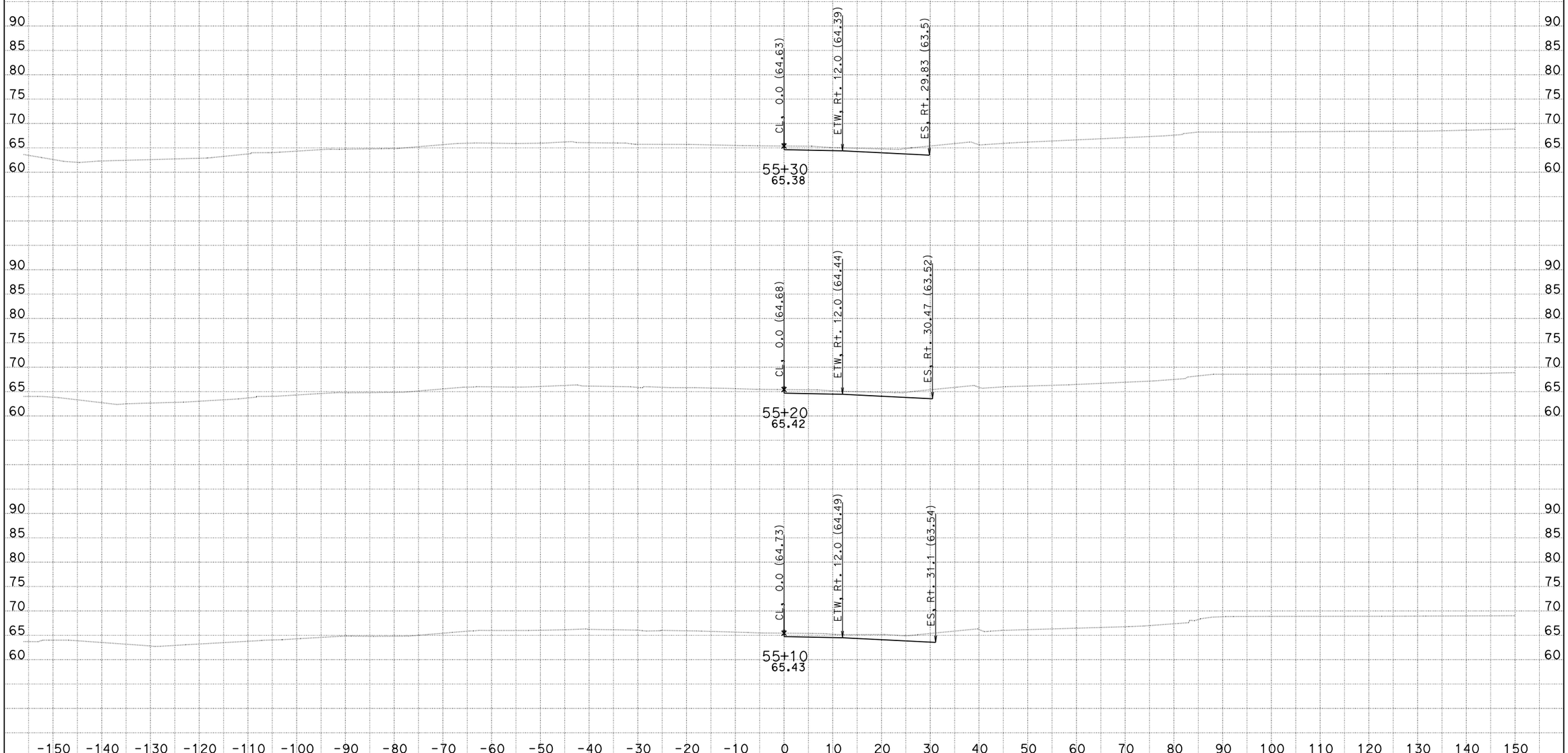
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 5 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

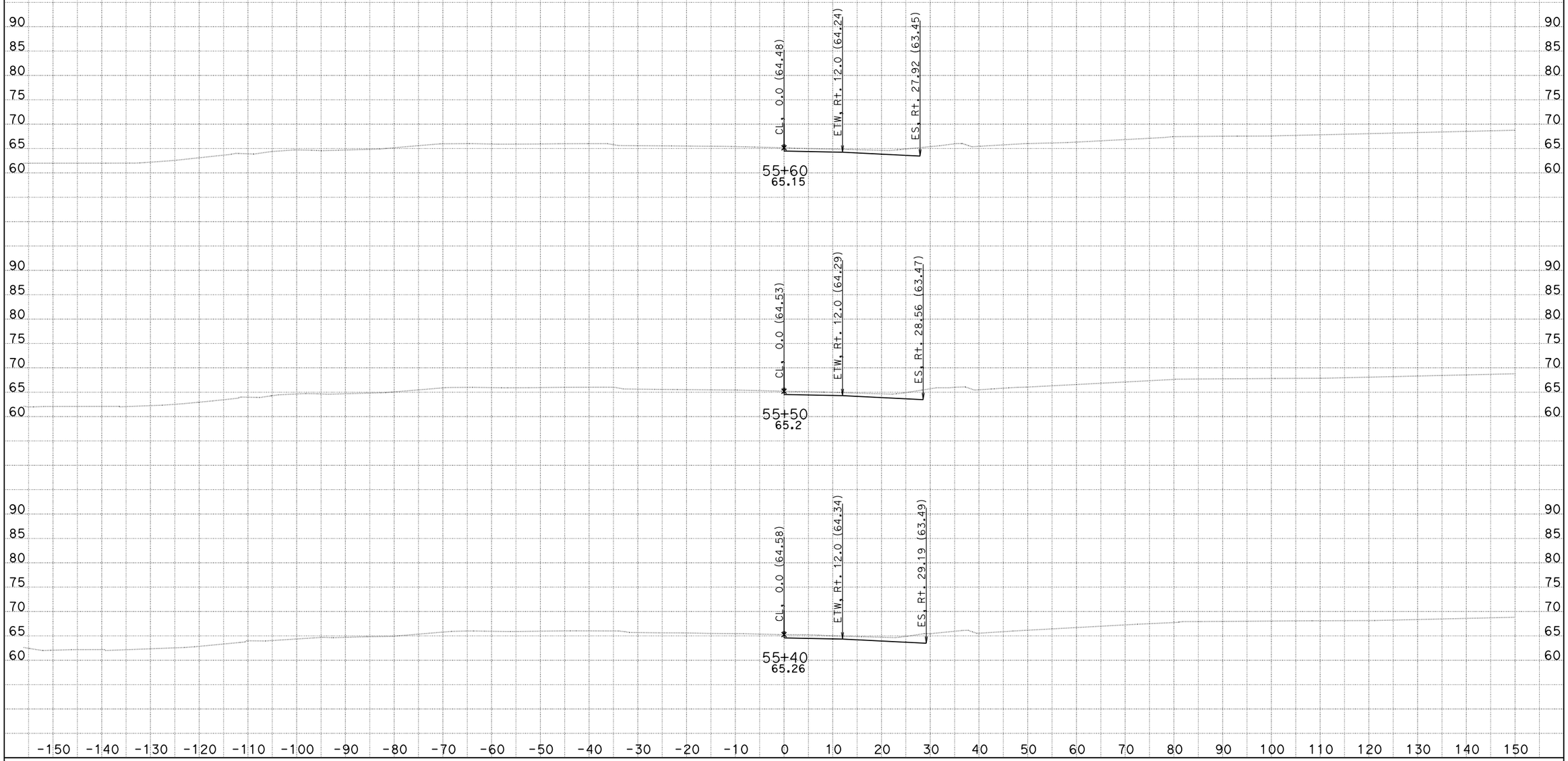
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 6 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

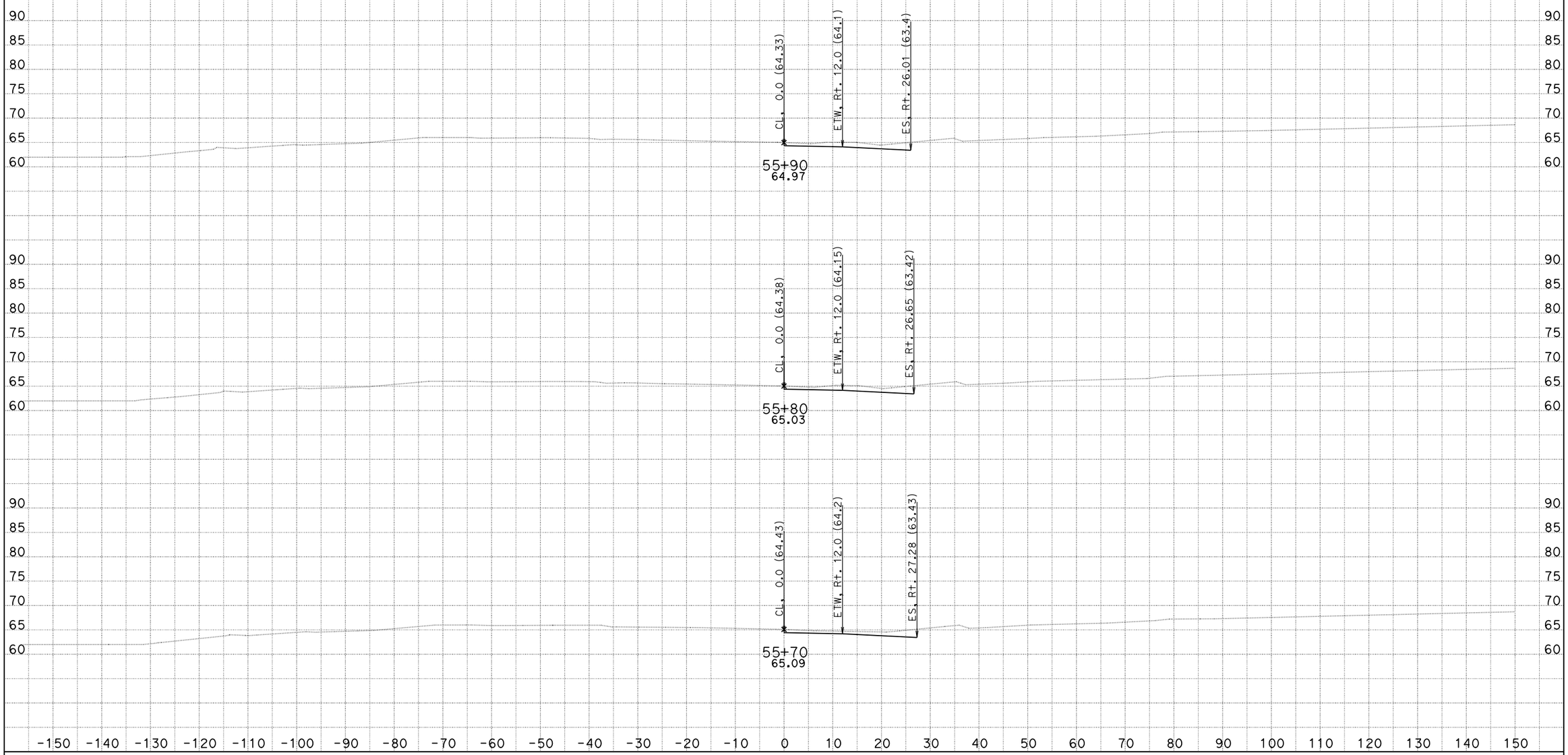
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 7 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

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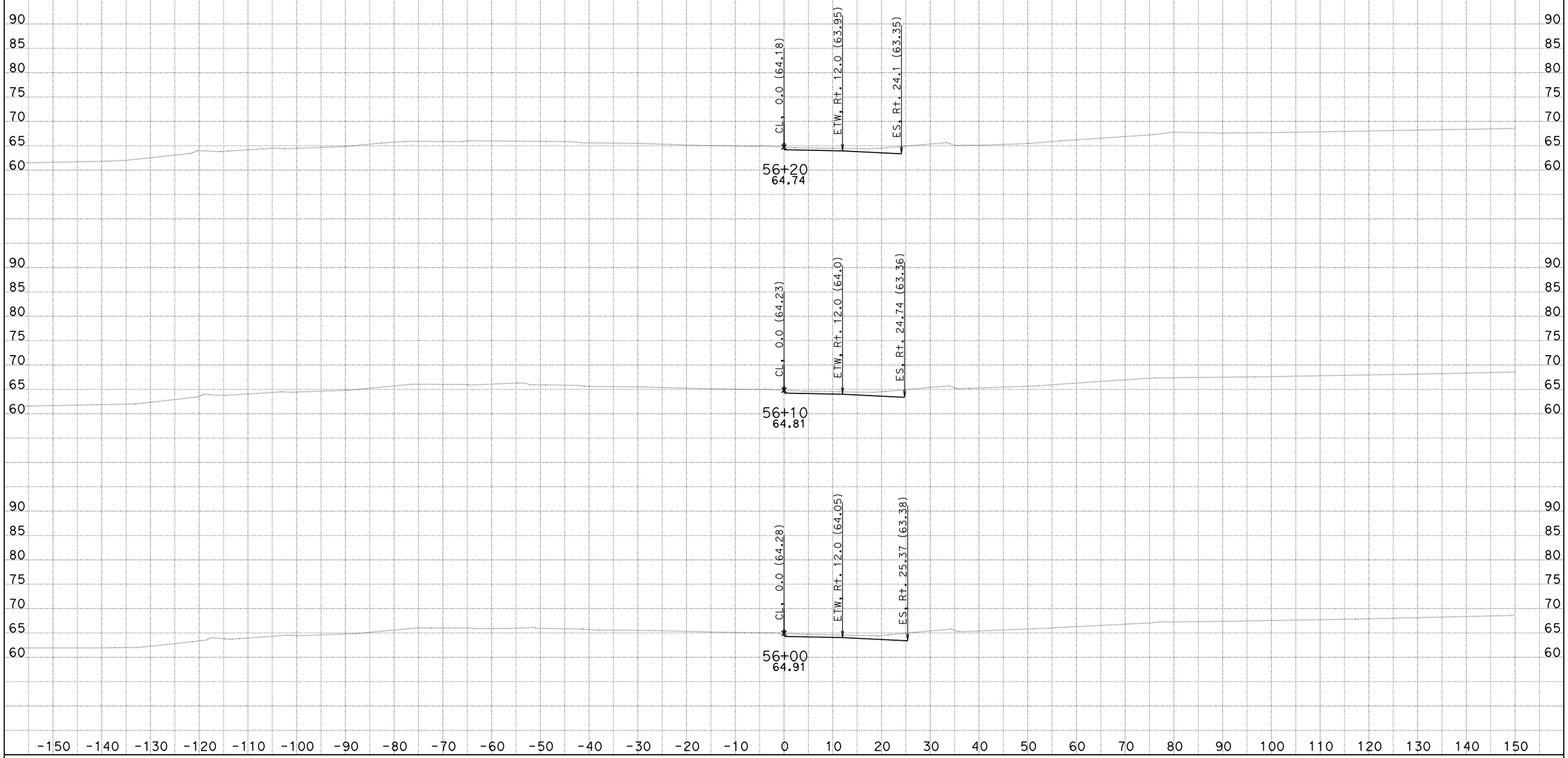
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 8 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

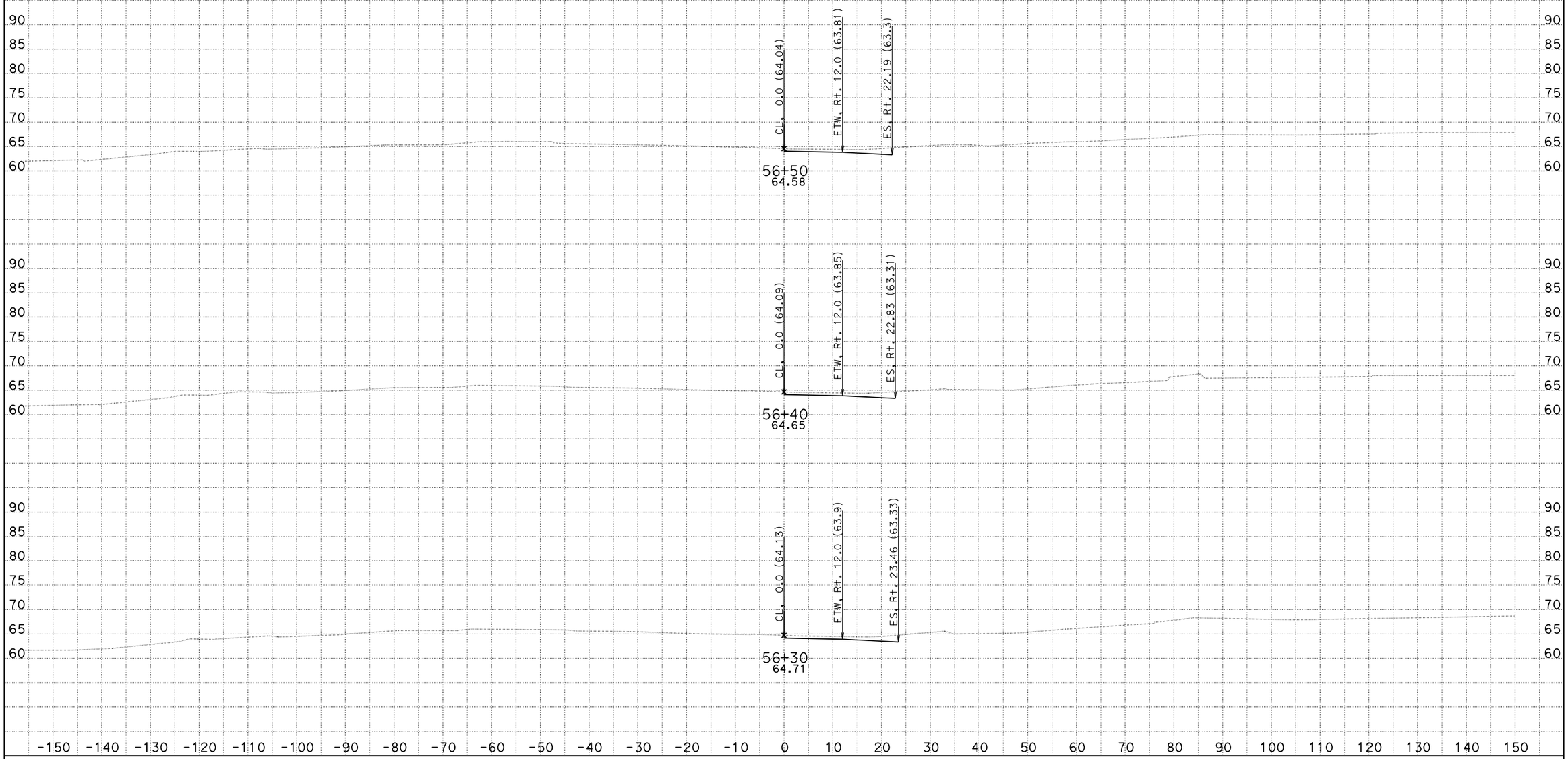
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 9 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

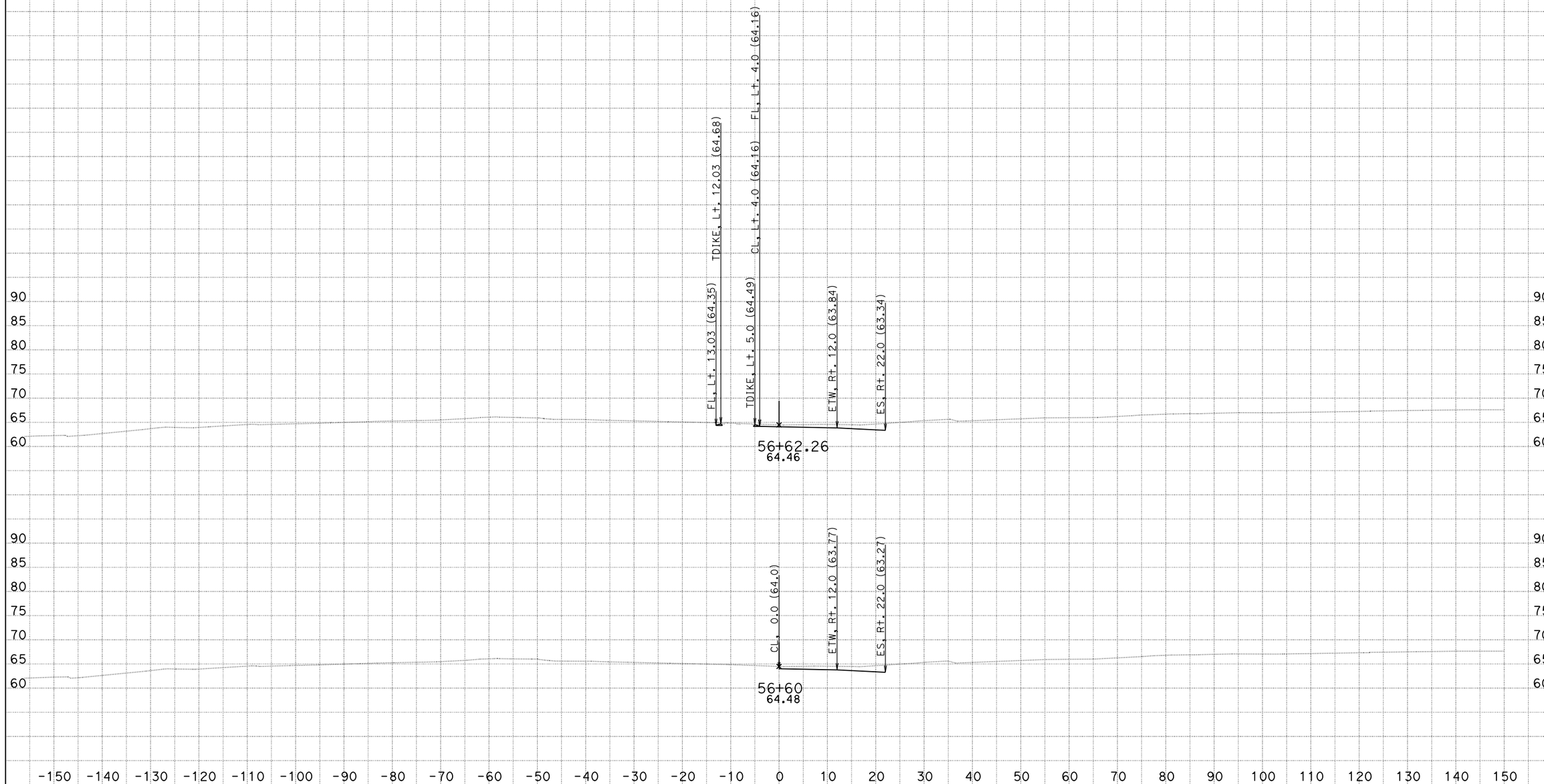
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 10 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

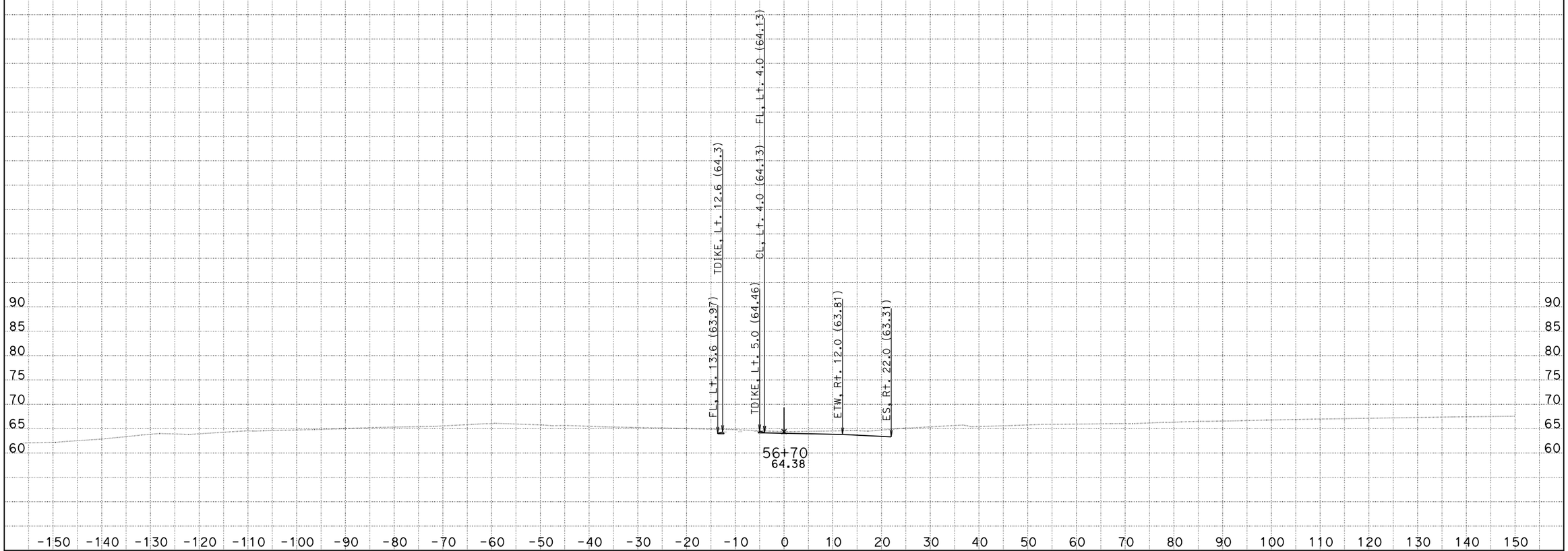
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 11 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

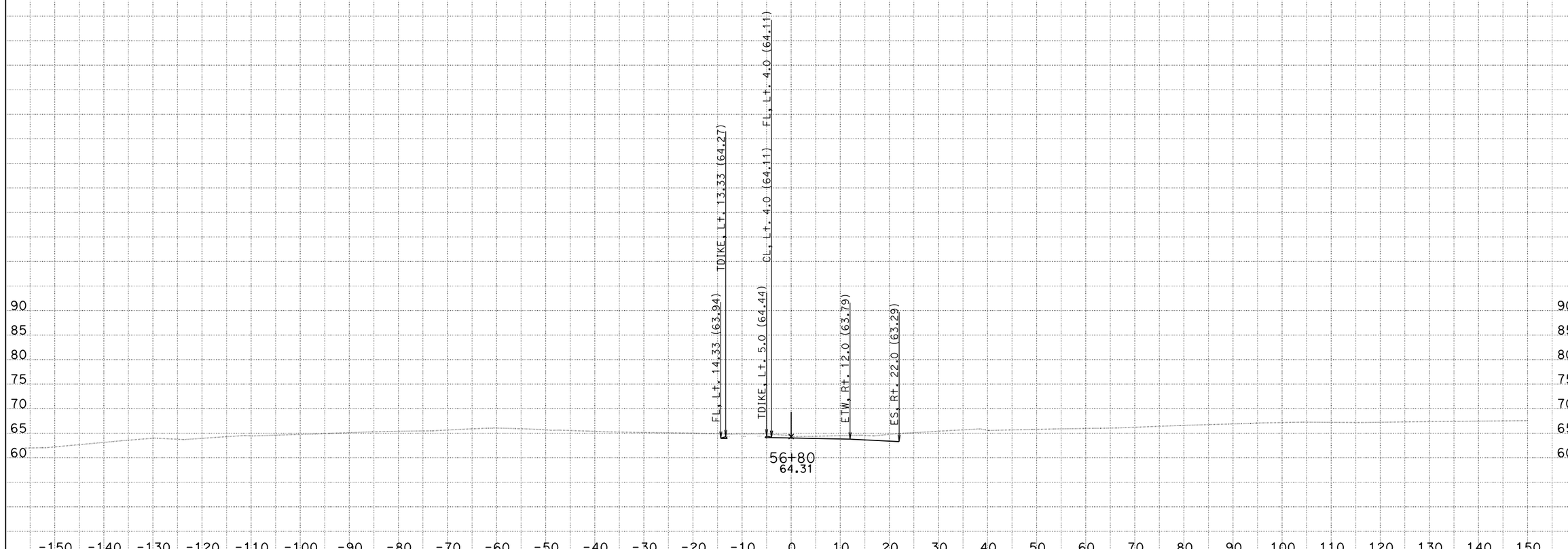
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 12 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

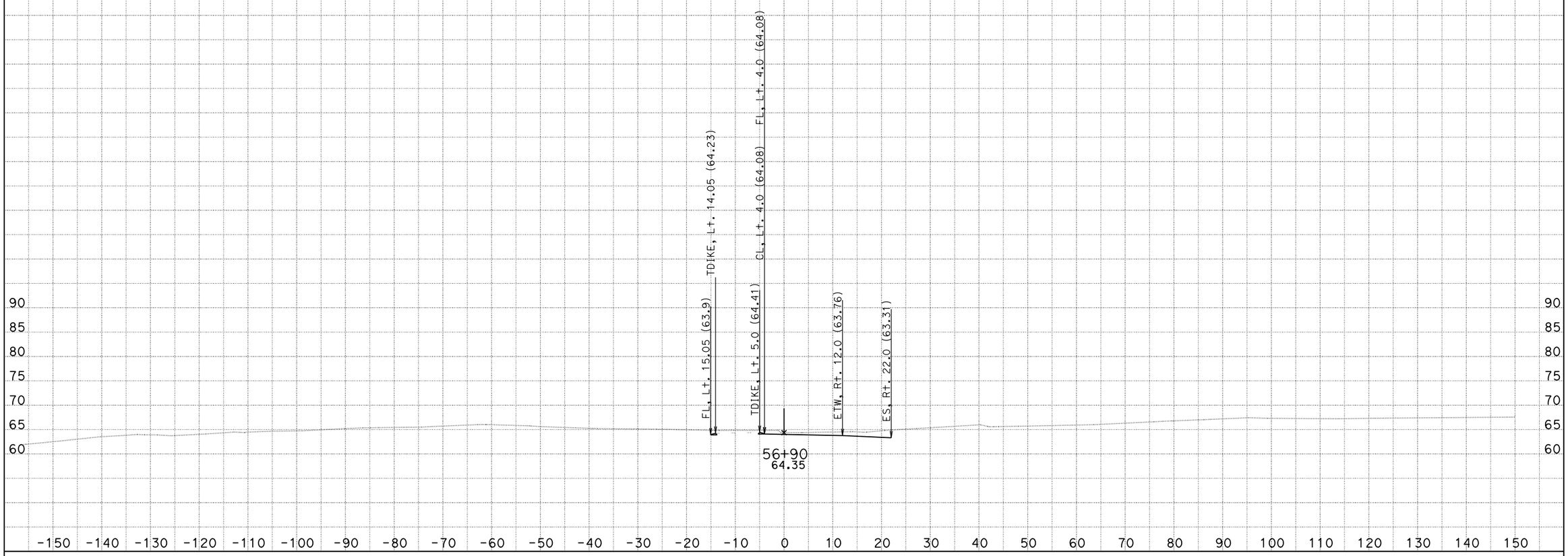
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 13 OF 180

DESIGN STUDY ONLY



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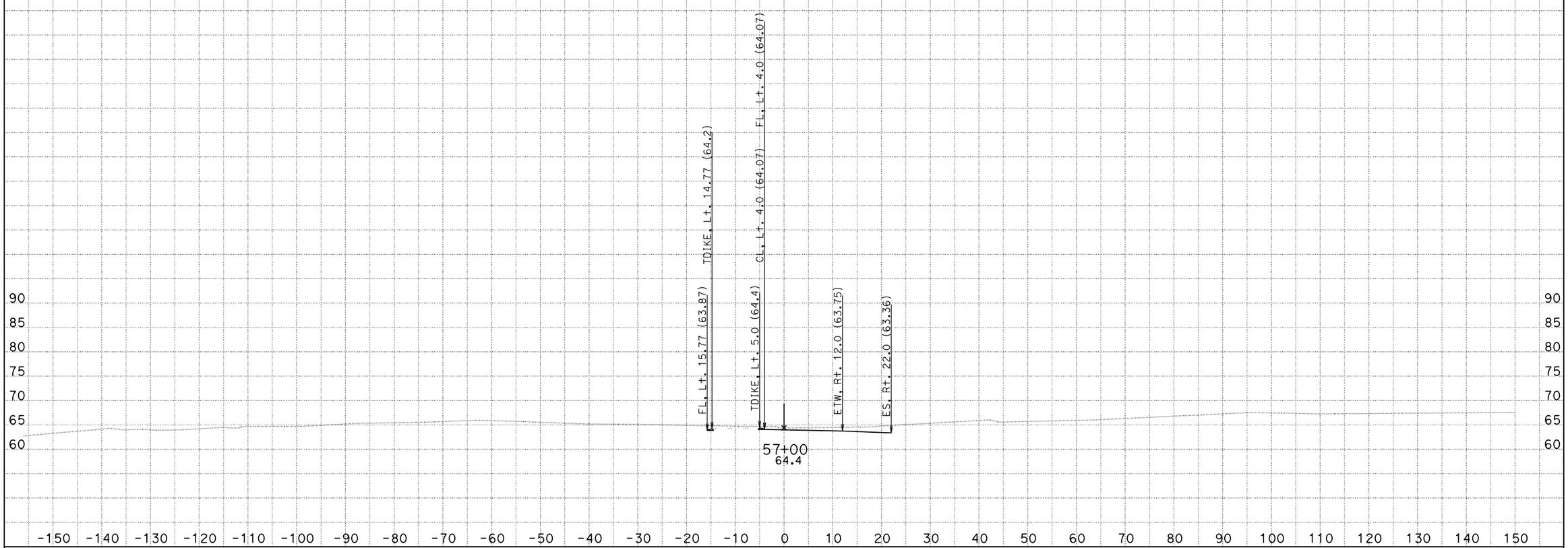
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 14 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

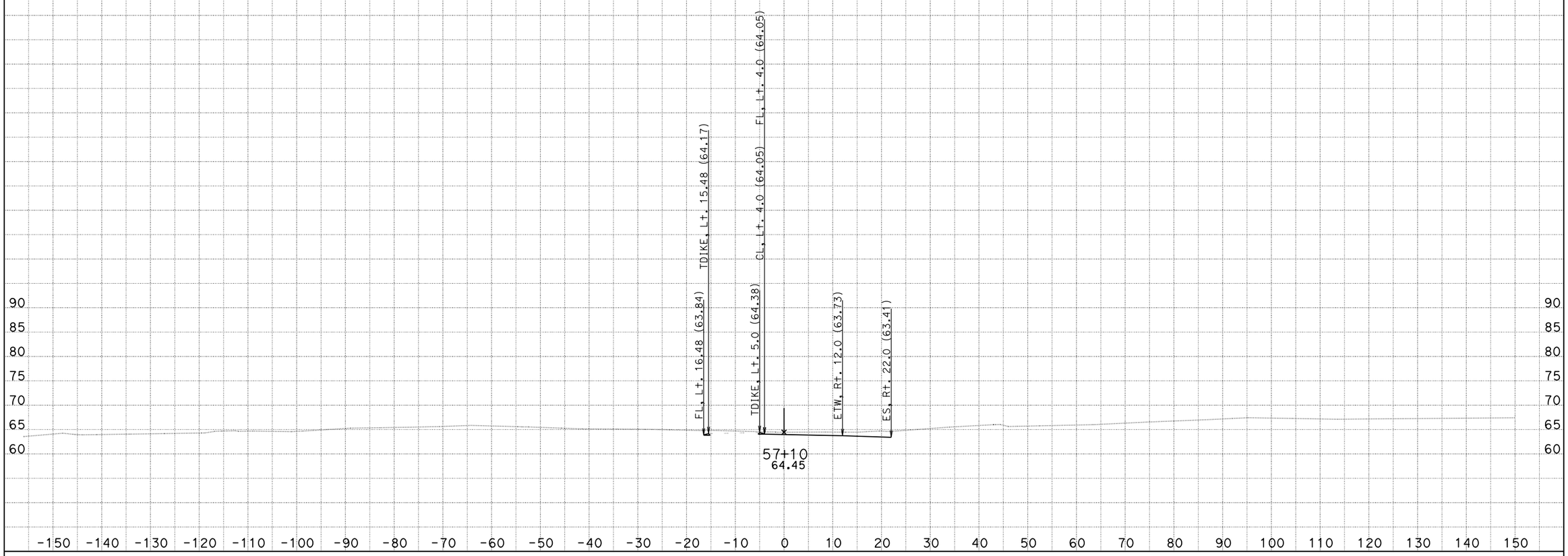
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 15 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

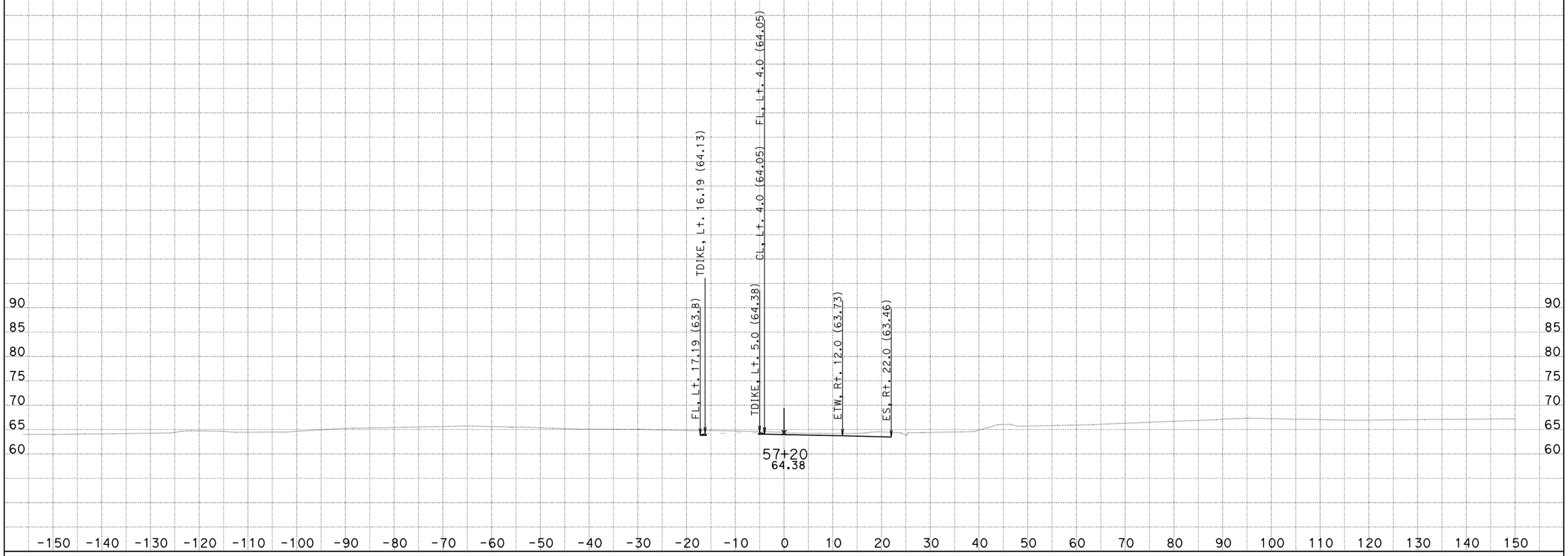
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 16 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

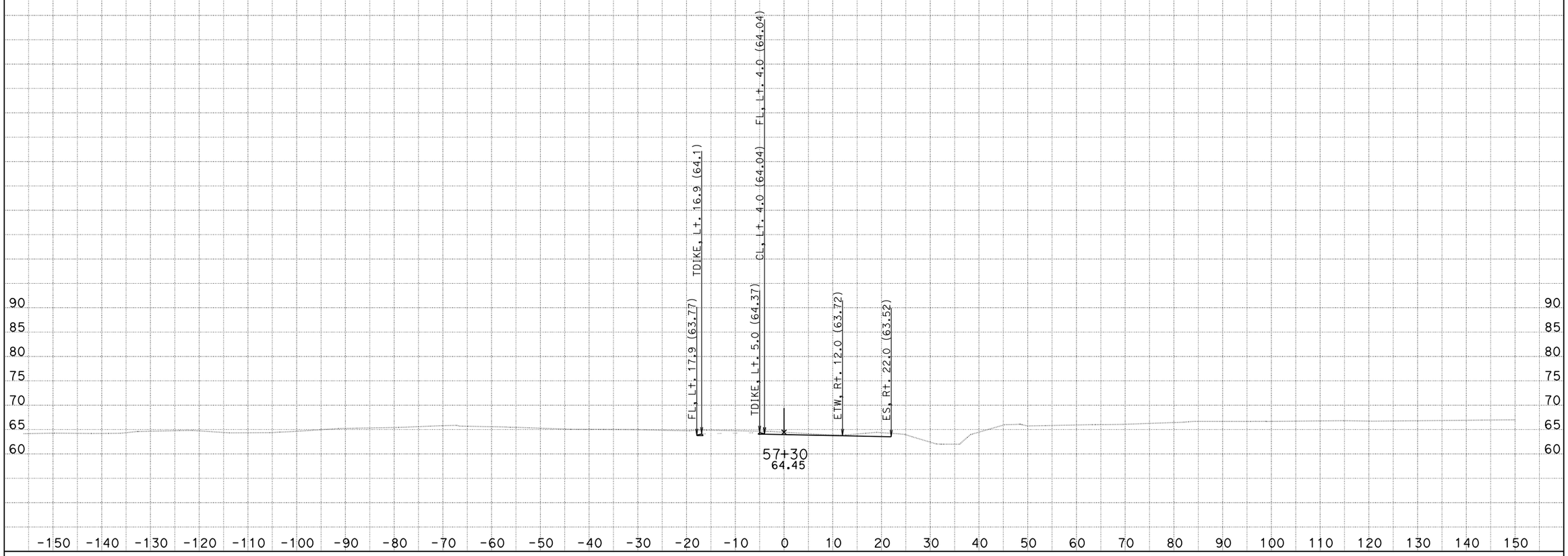
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 17 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

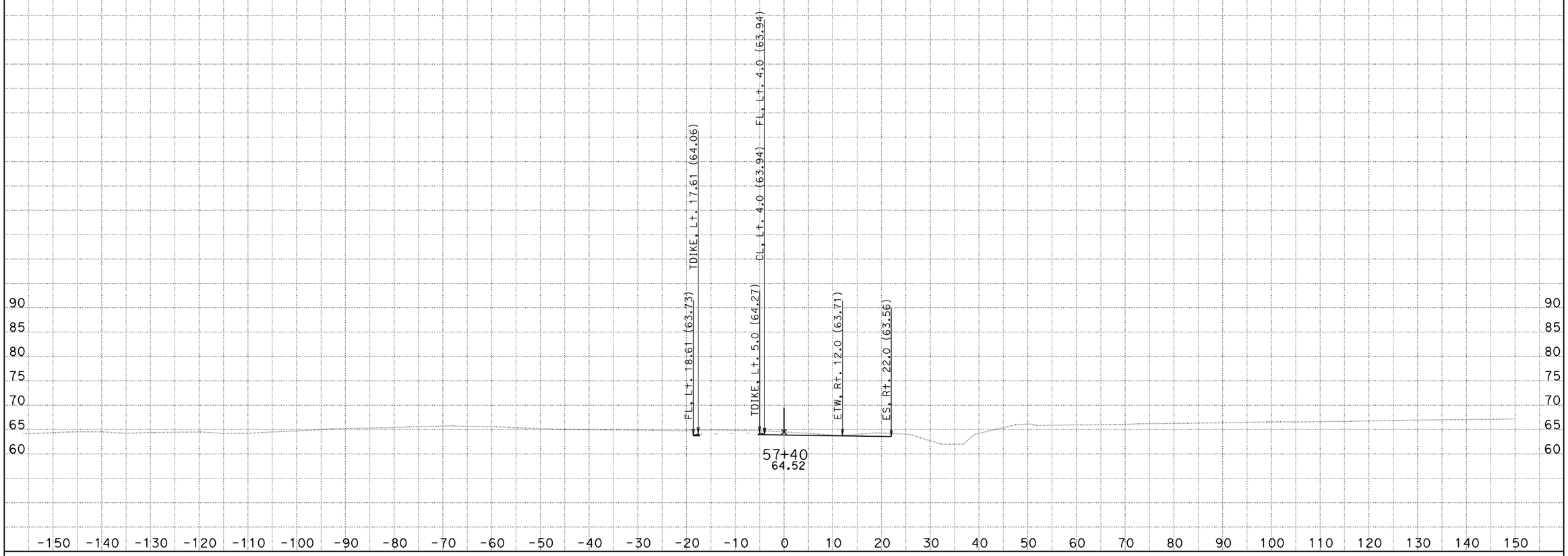
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 18 OF 180

DESIGN STUDY ONLY



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DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

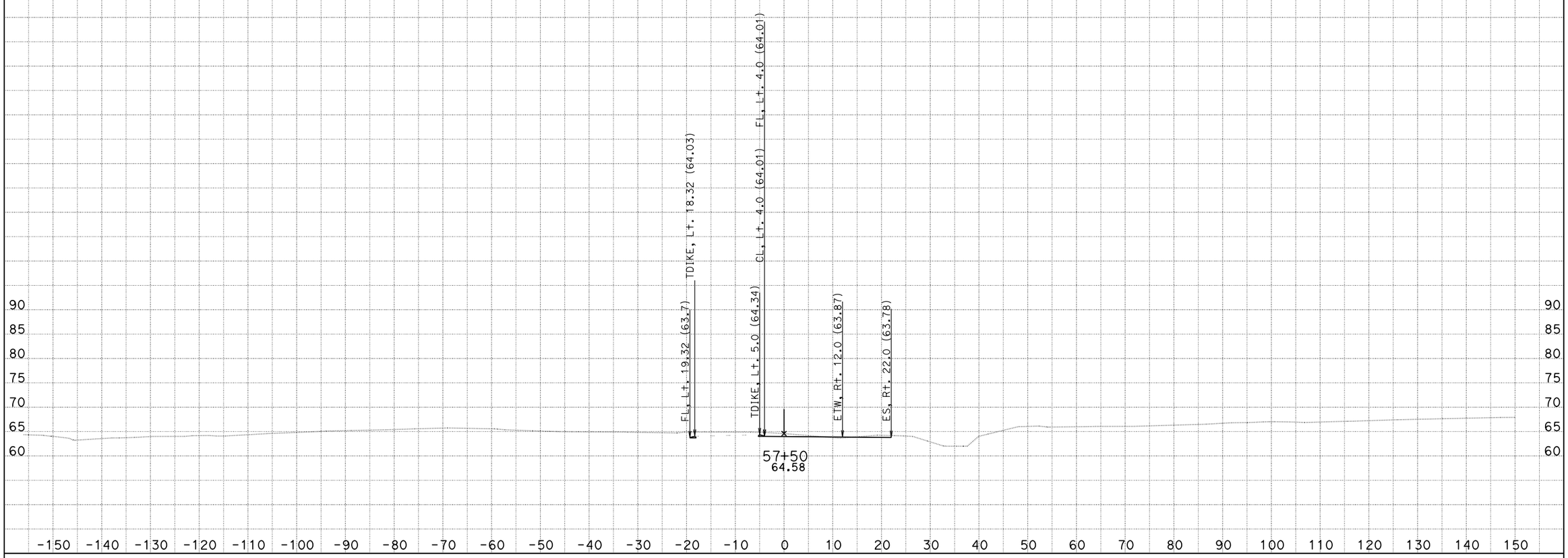
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 19 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

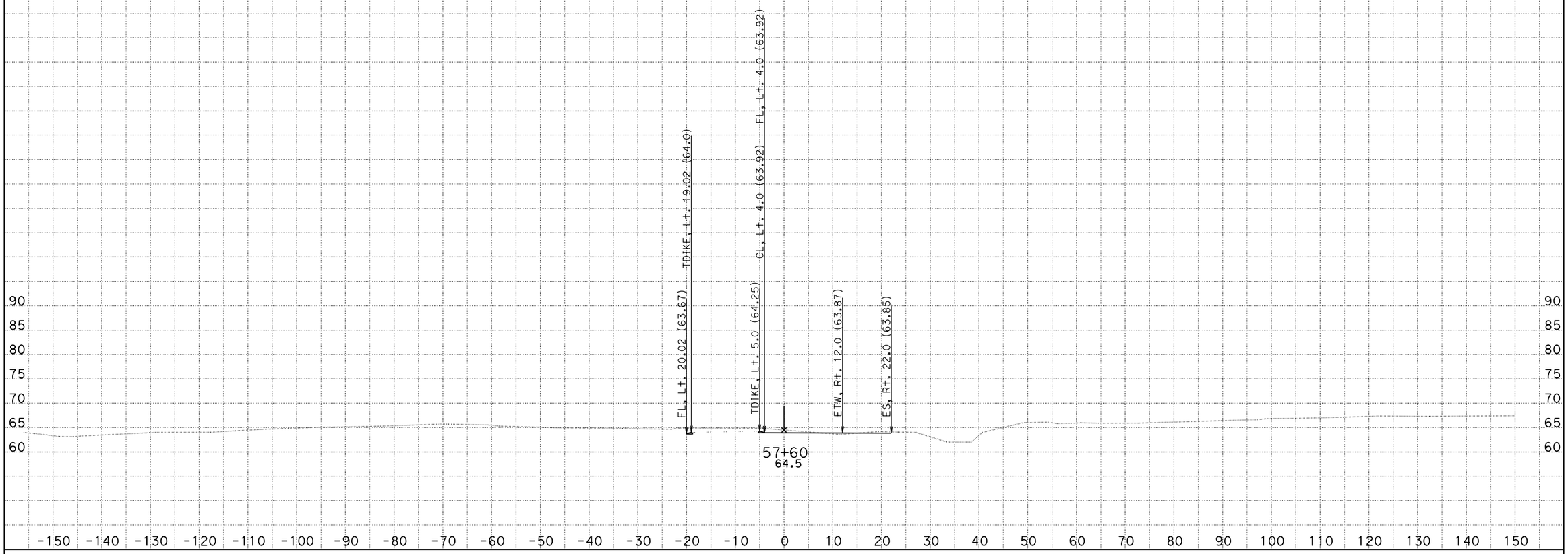
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 20 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

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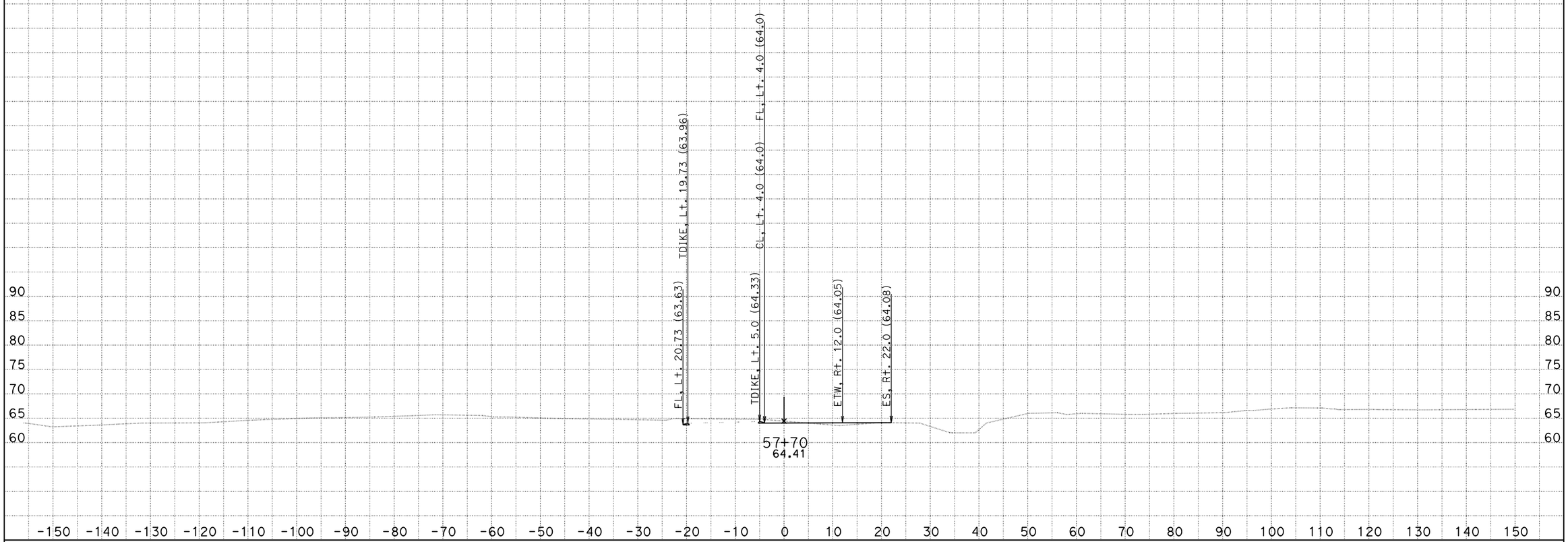
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 21 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

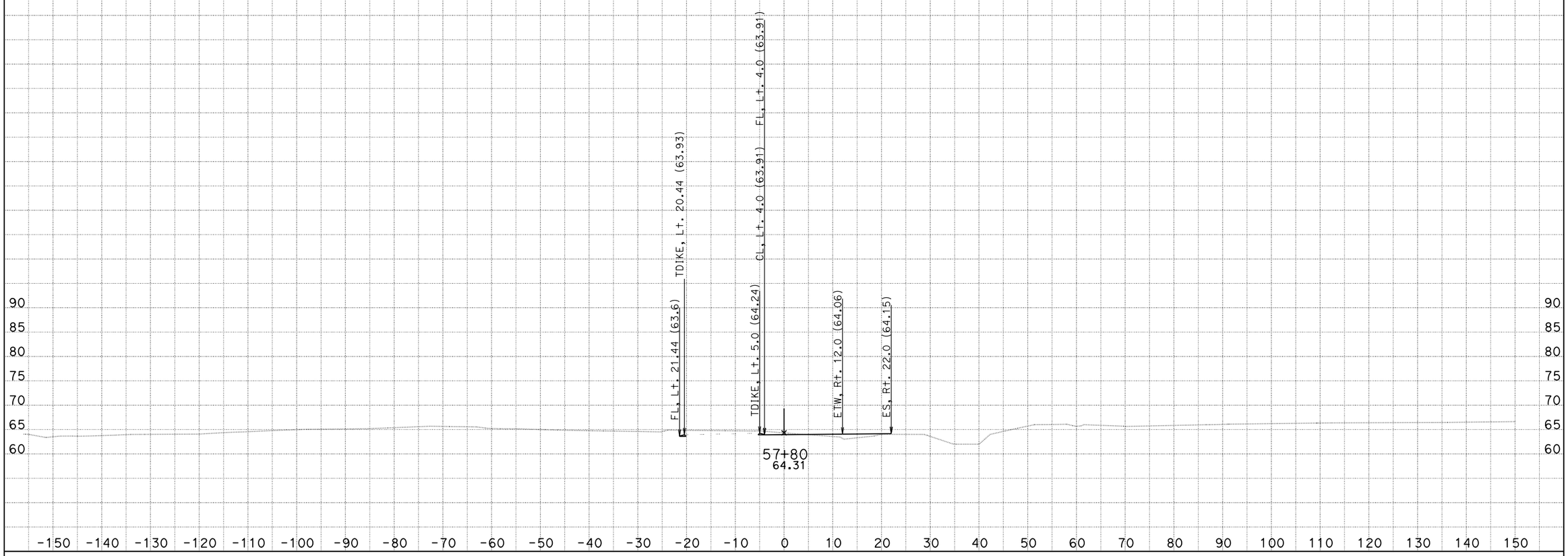
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 22 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

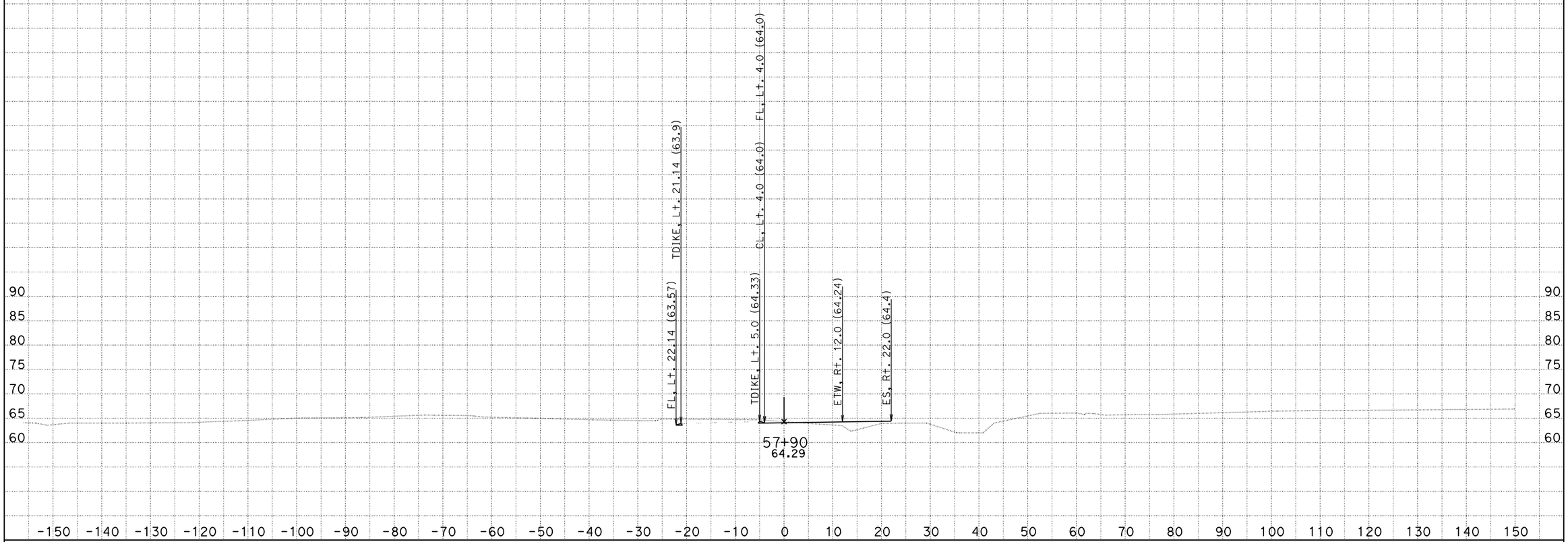
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 23 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

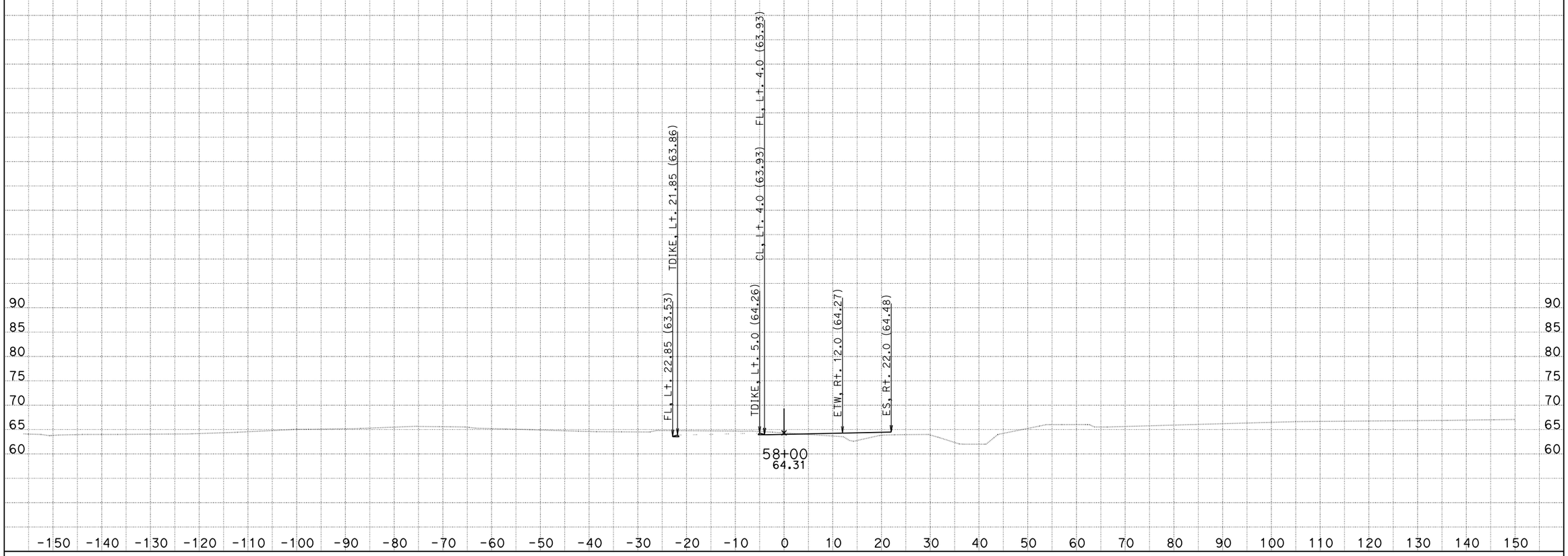
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 24 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

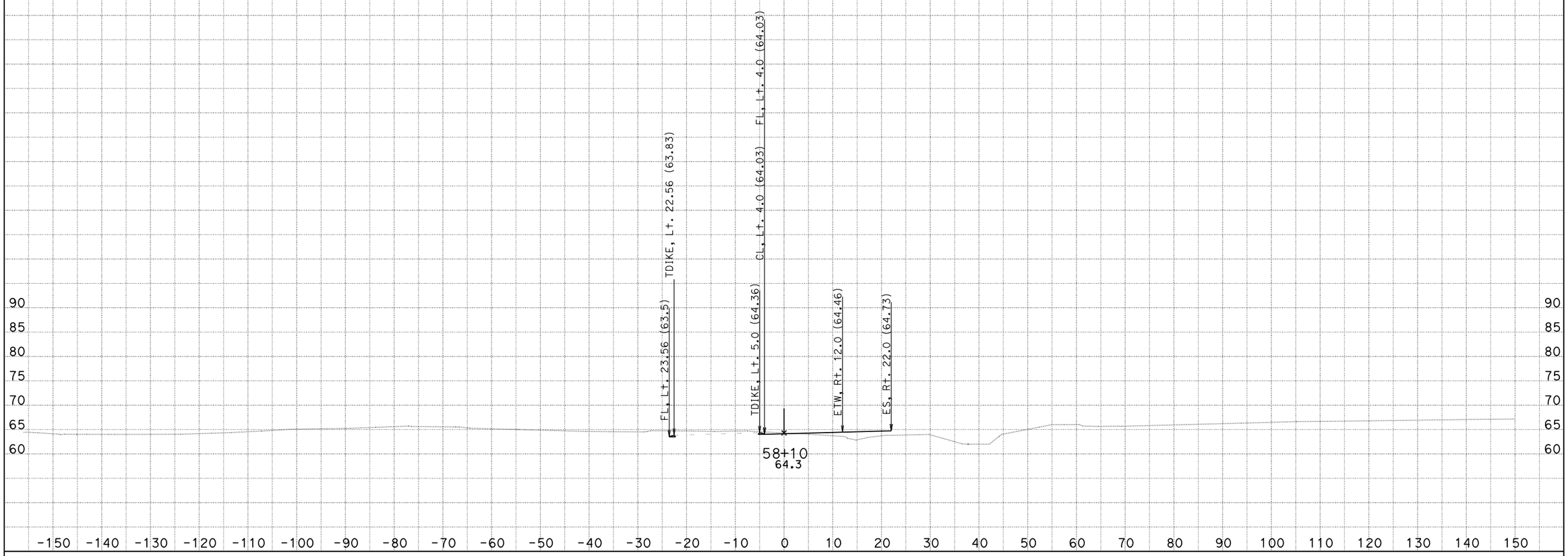
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 25 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
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CONTRACT: 07-215921
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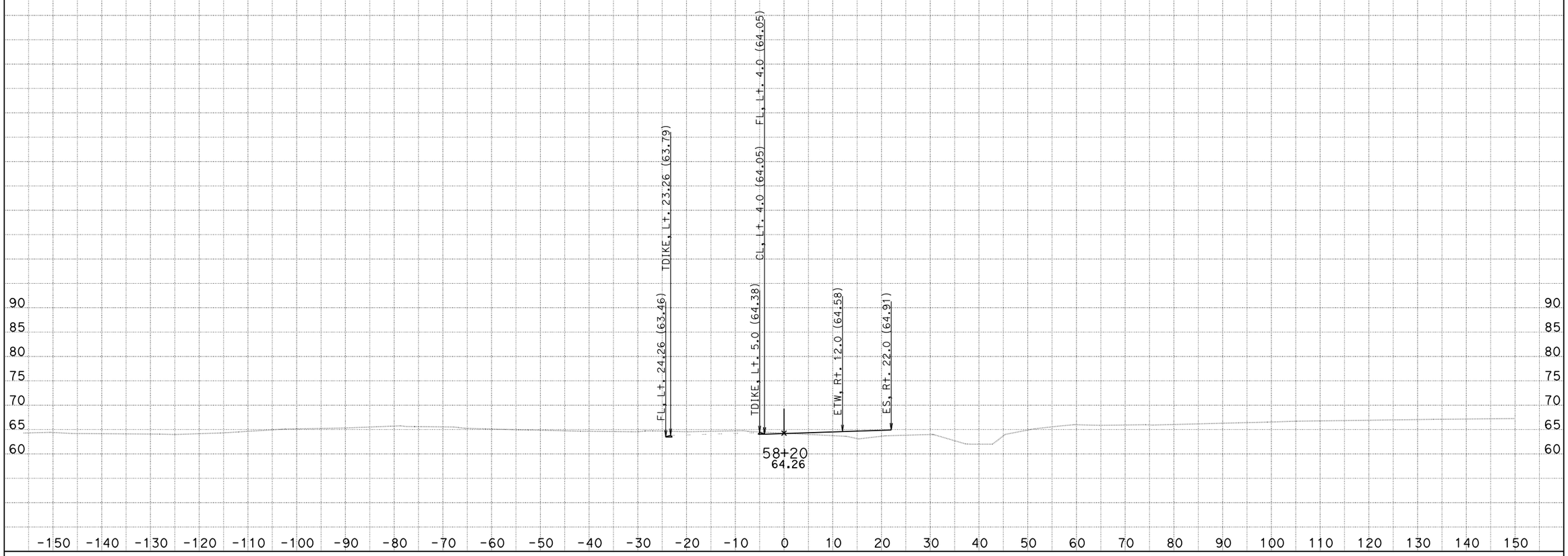
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 26 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
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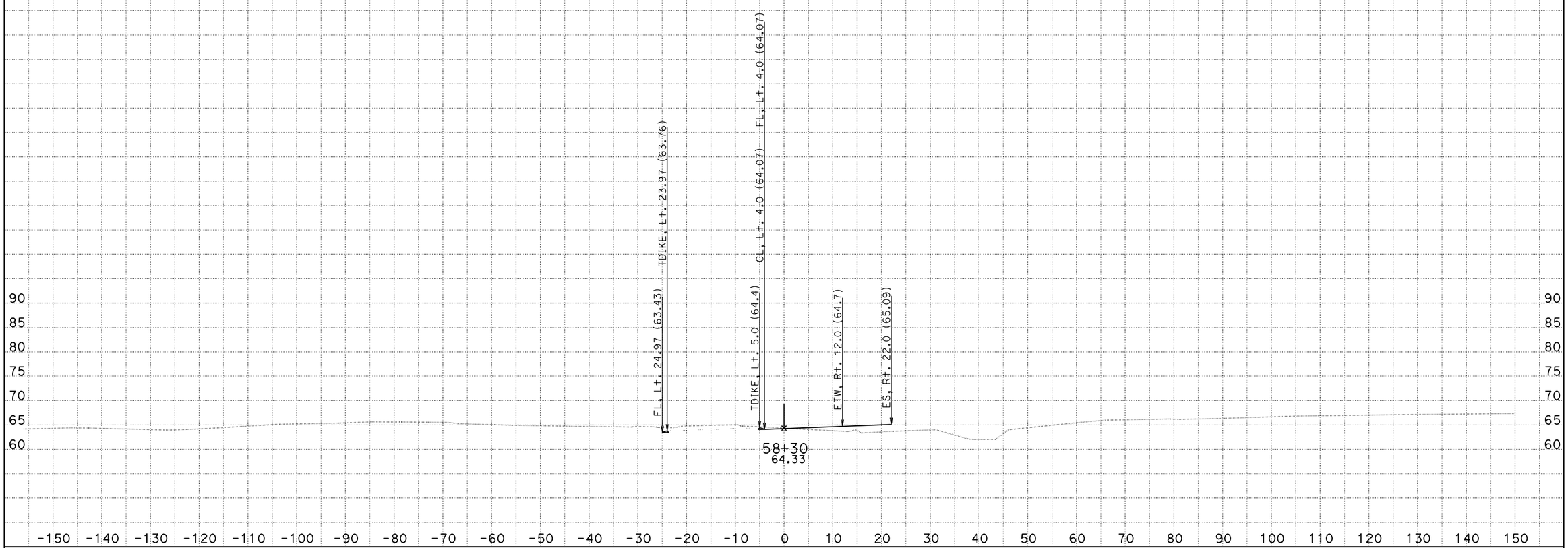
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 27 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

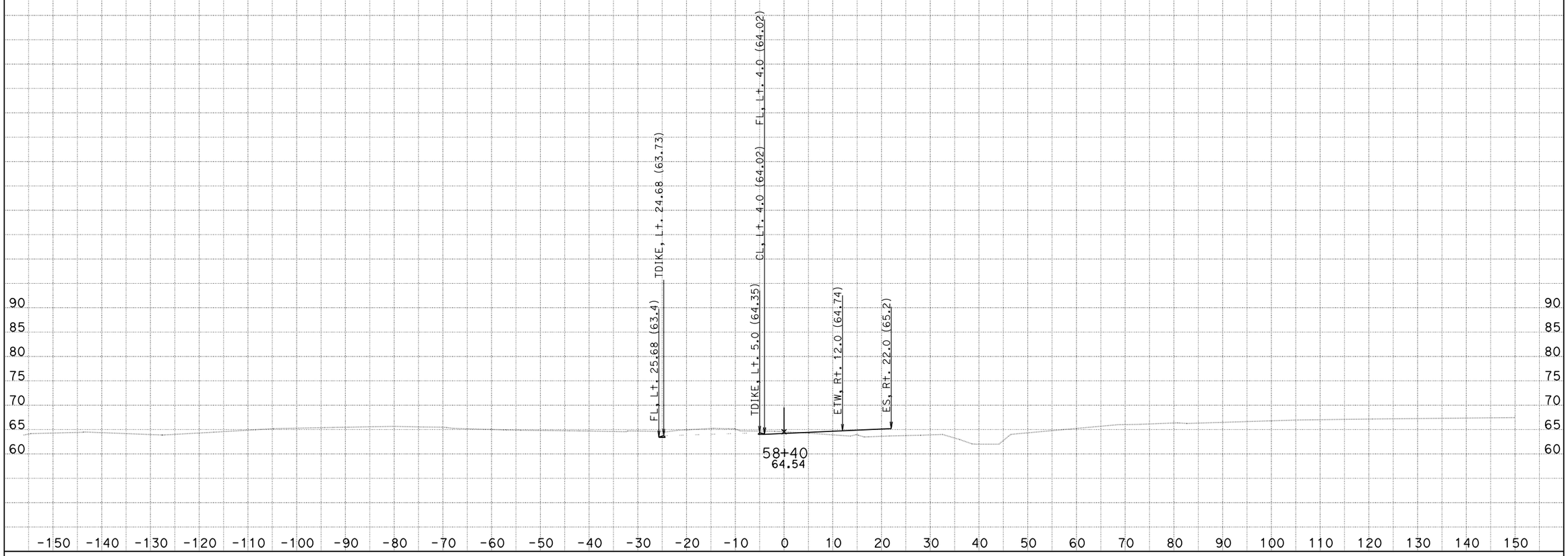
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 28 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
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Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

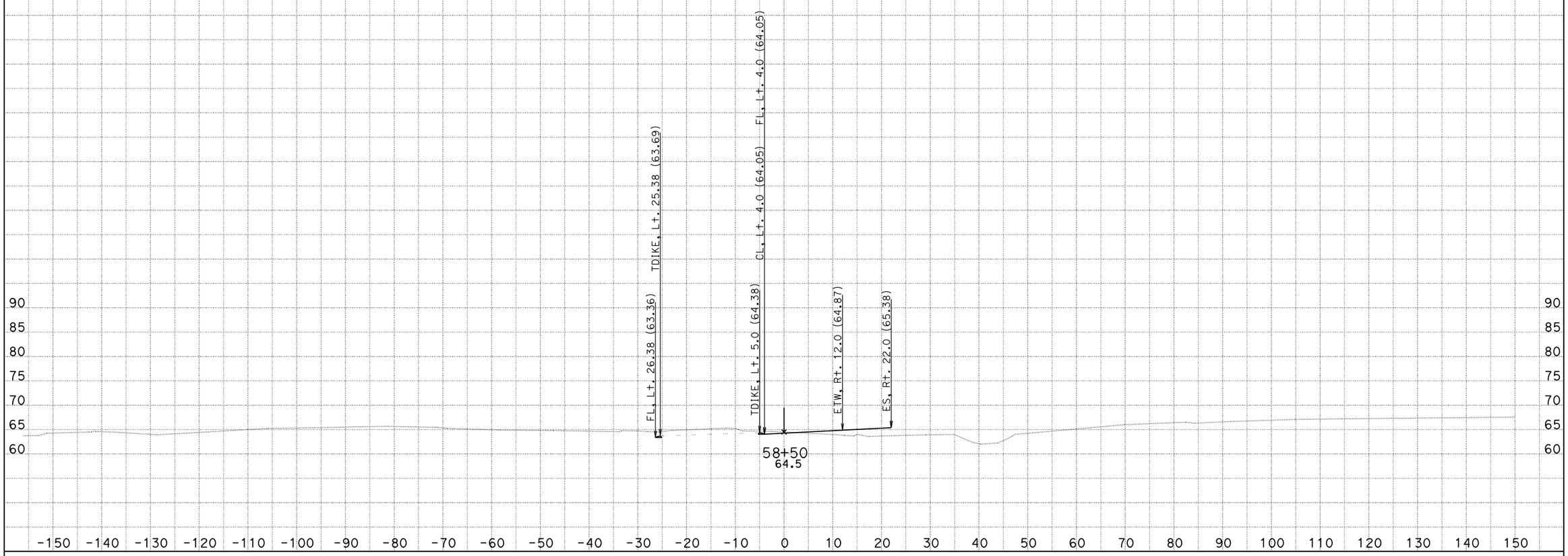
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 29 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

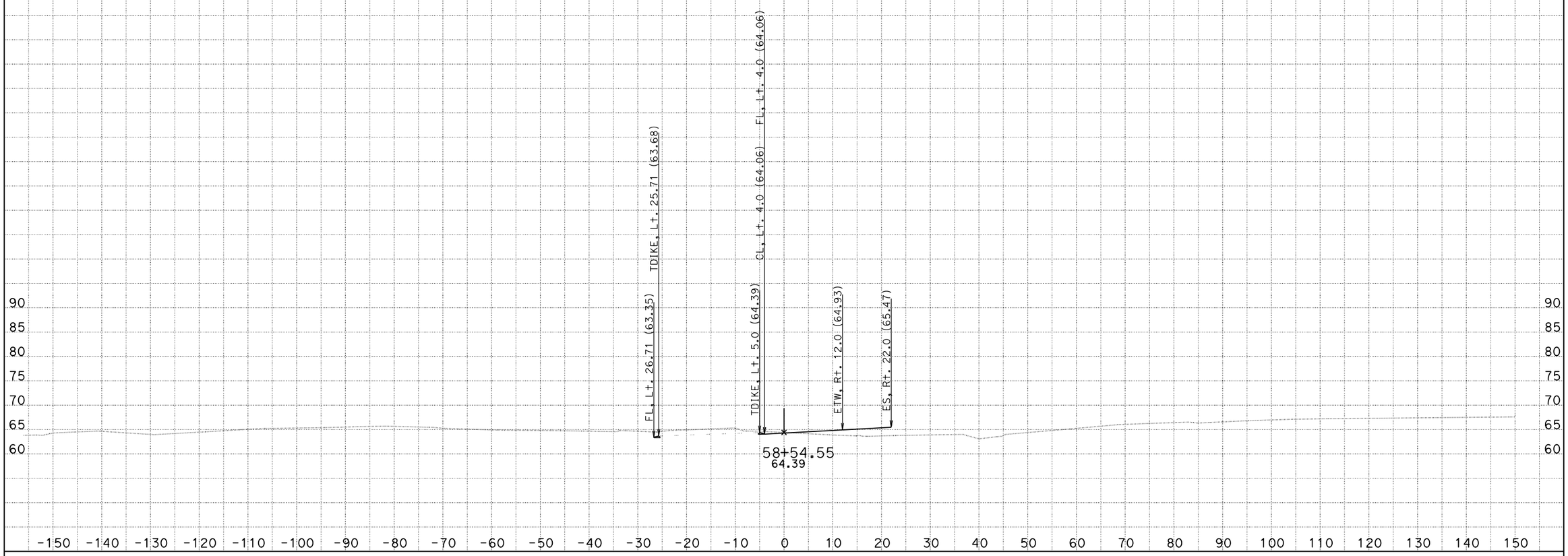
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 30 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

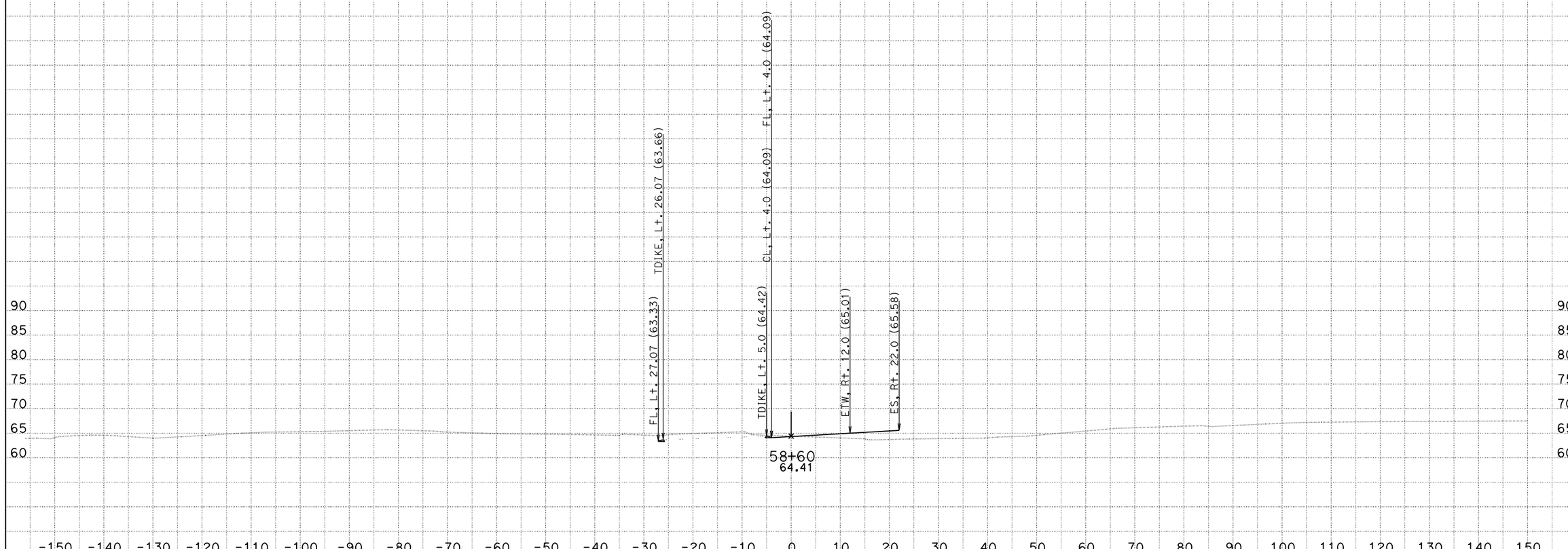
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 31 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

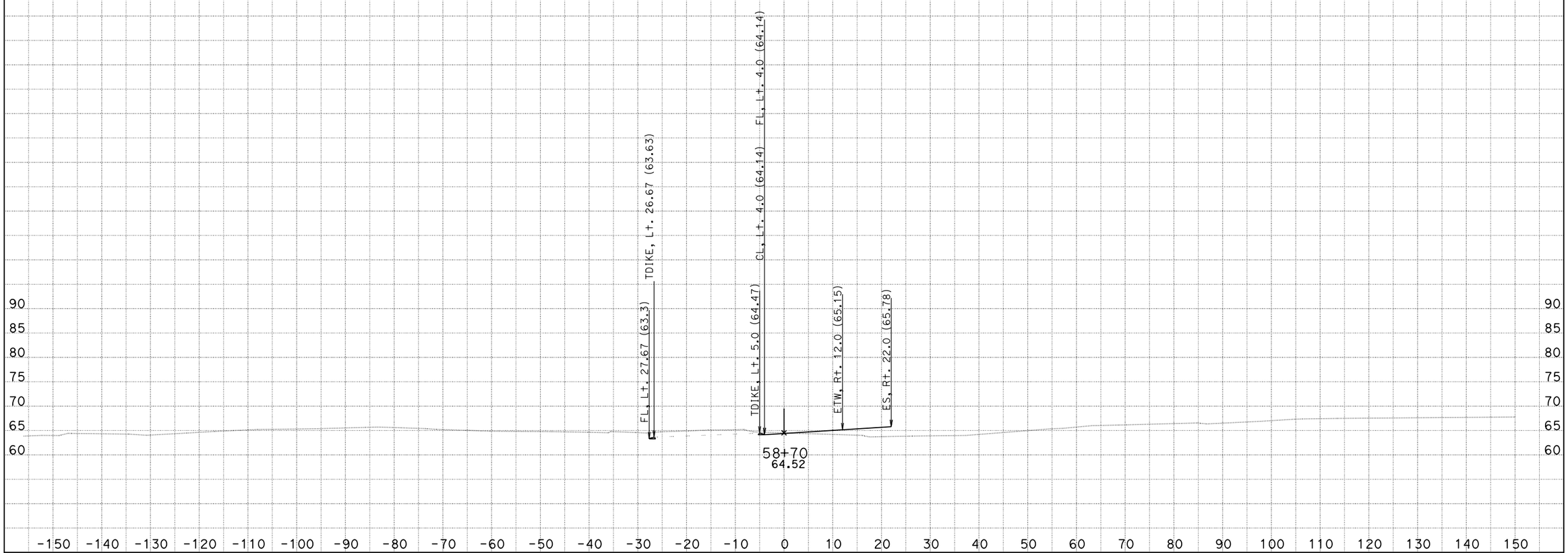
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 32 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

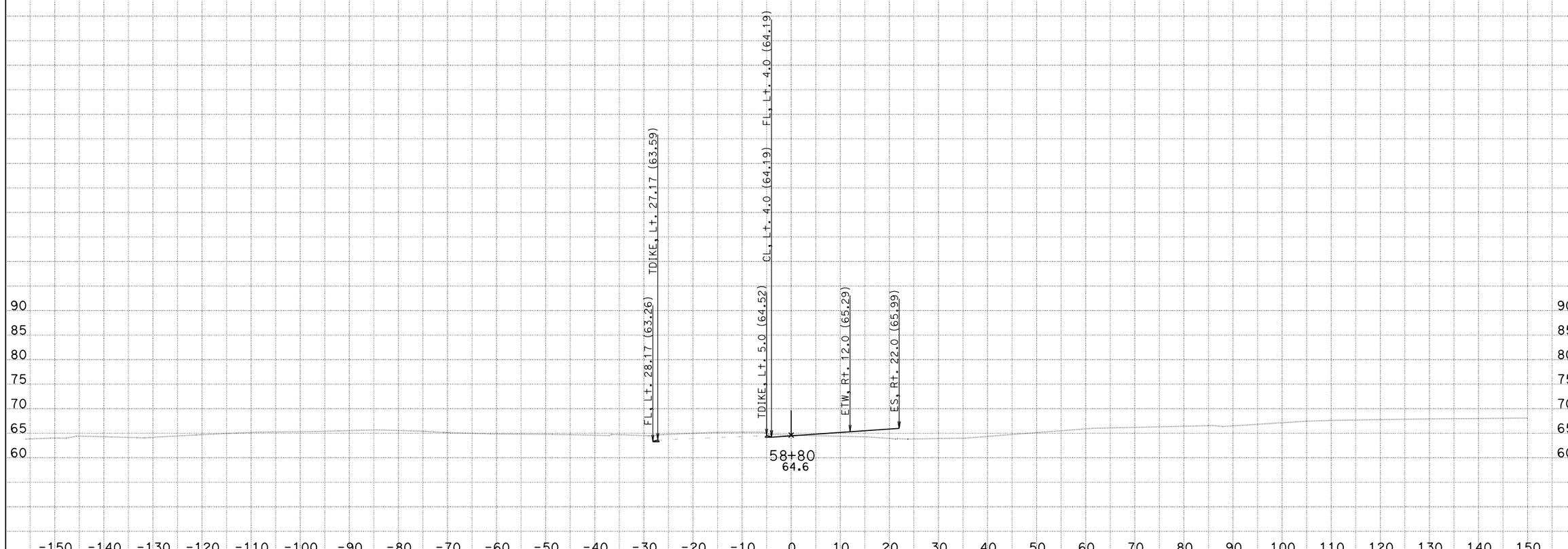
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 33 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

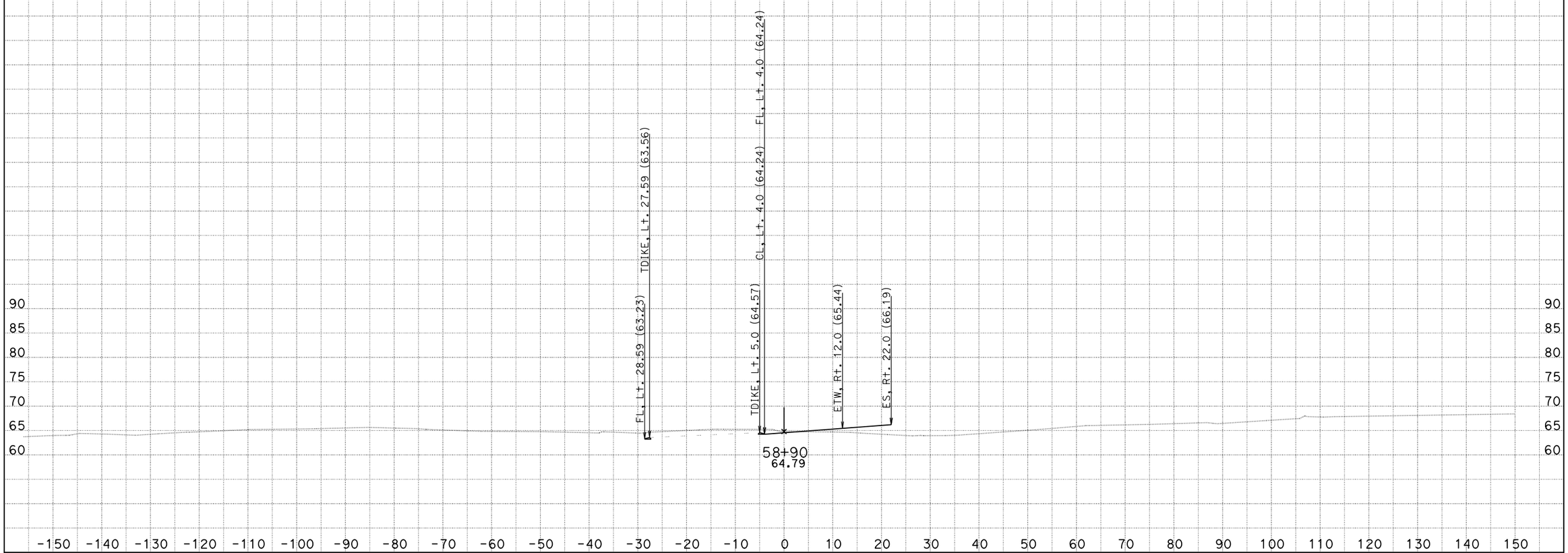
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 34 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

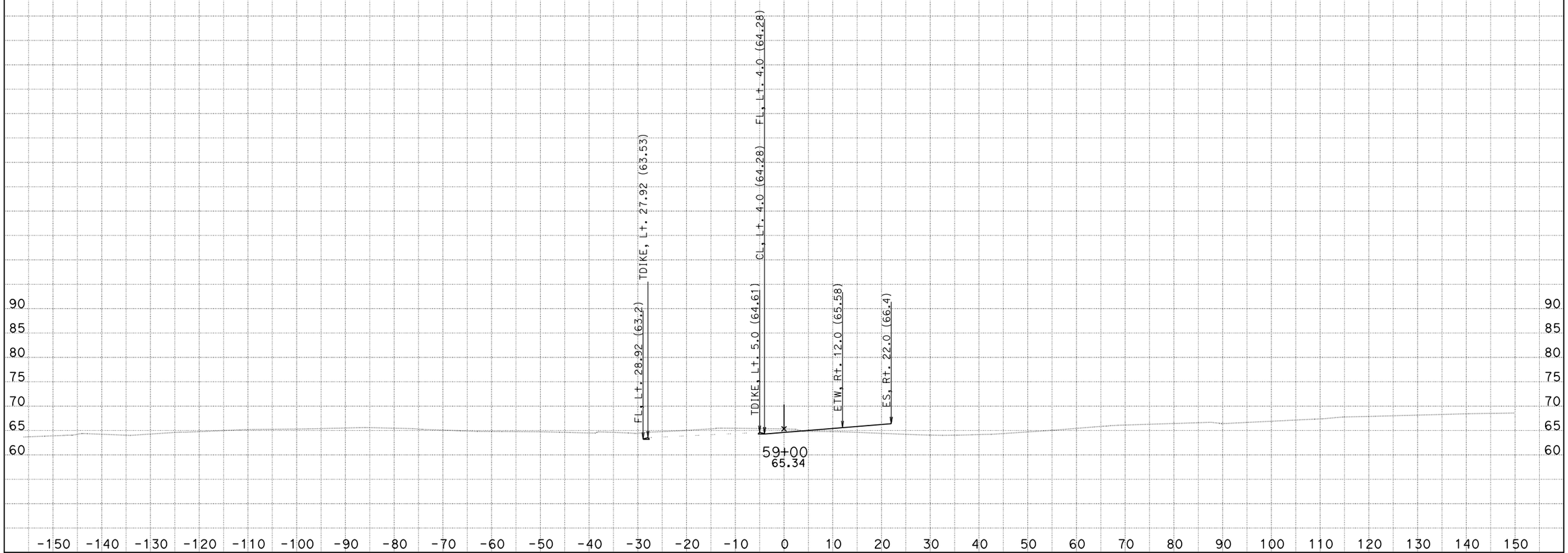
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 35 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

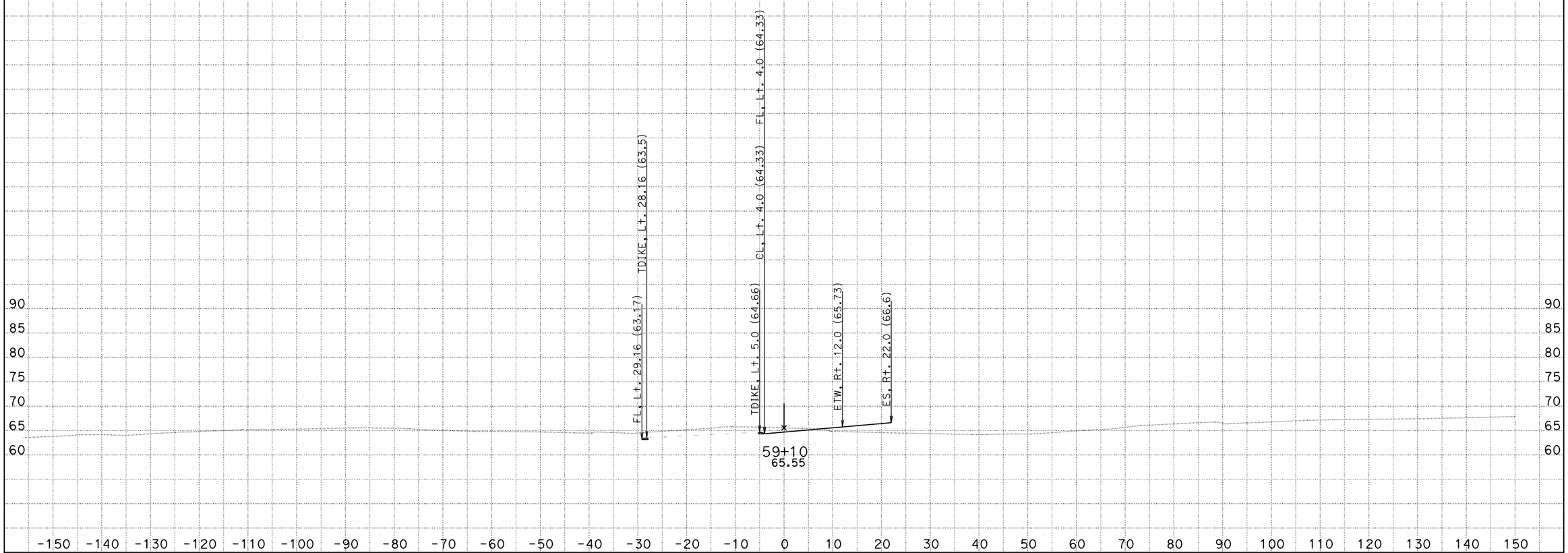
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 36 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

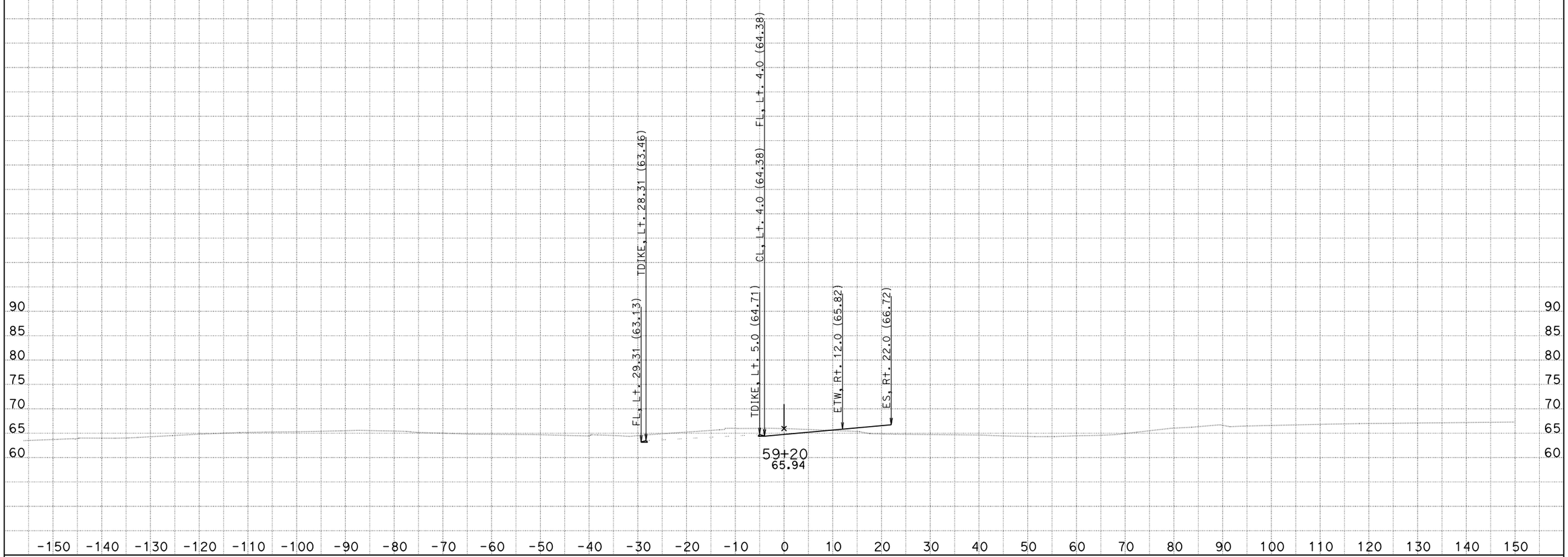
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 37 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

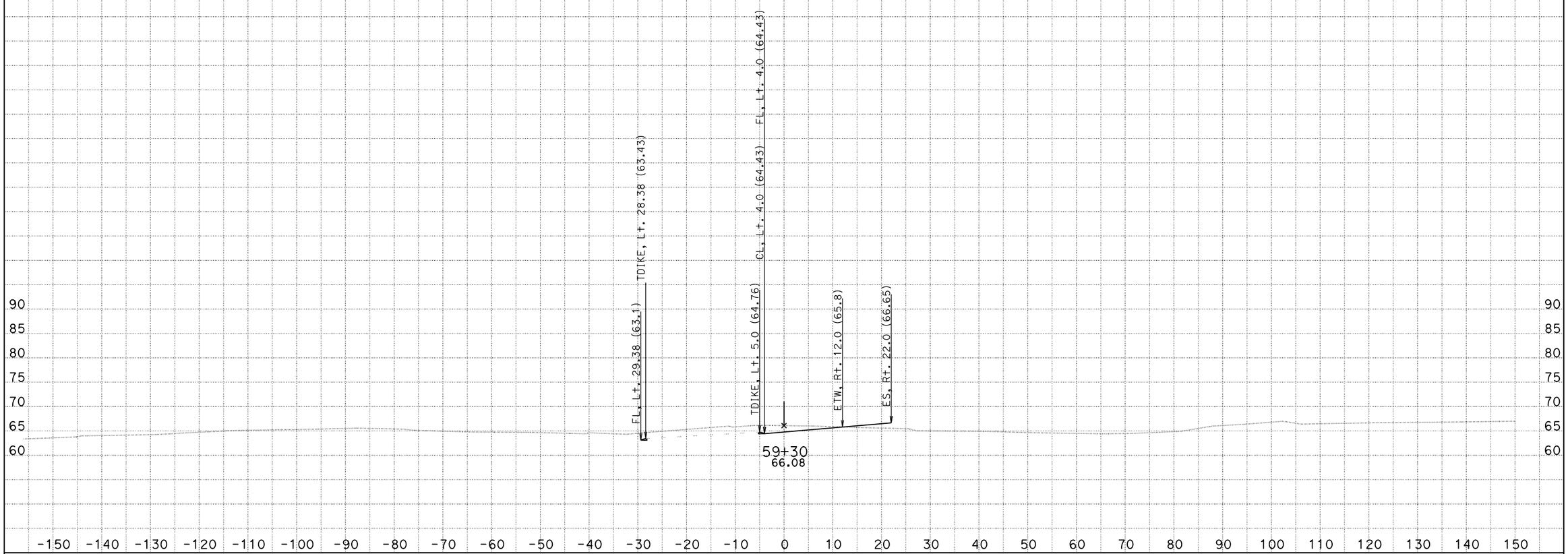
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 38 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

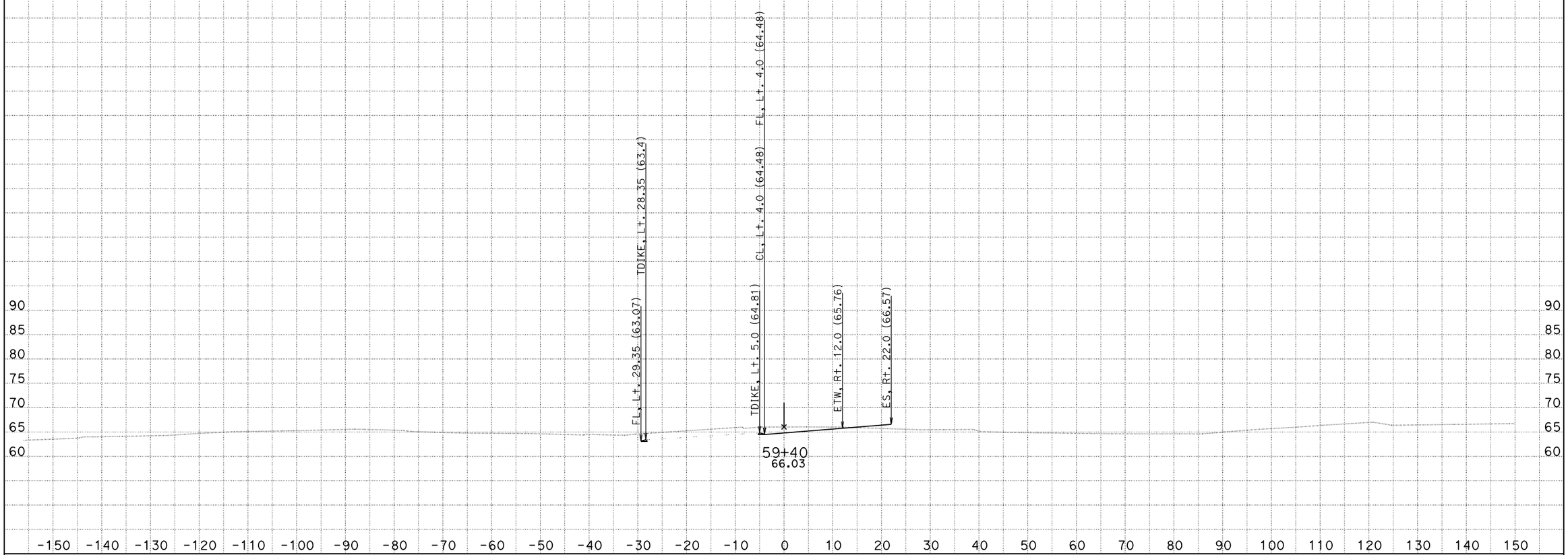
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 39 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

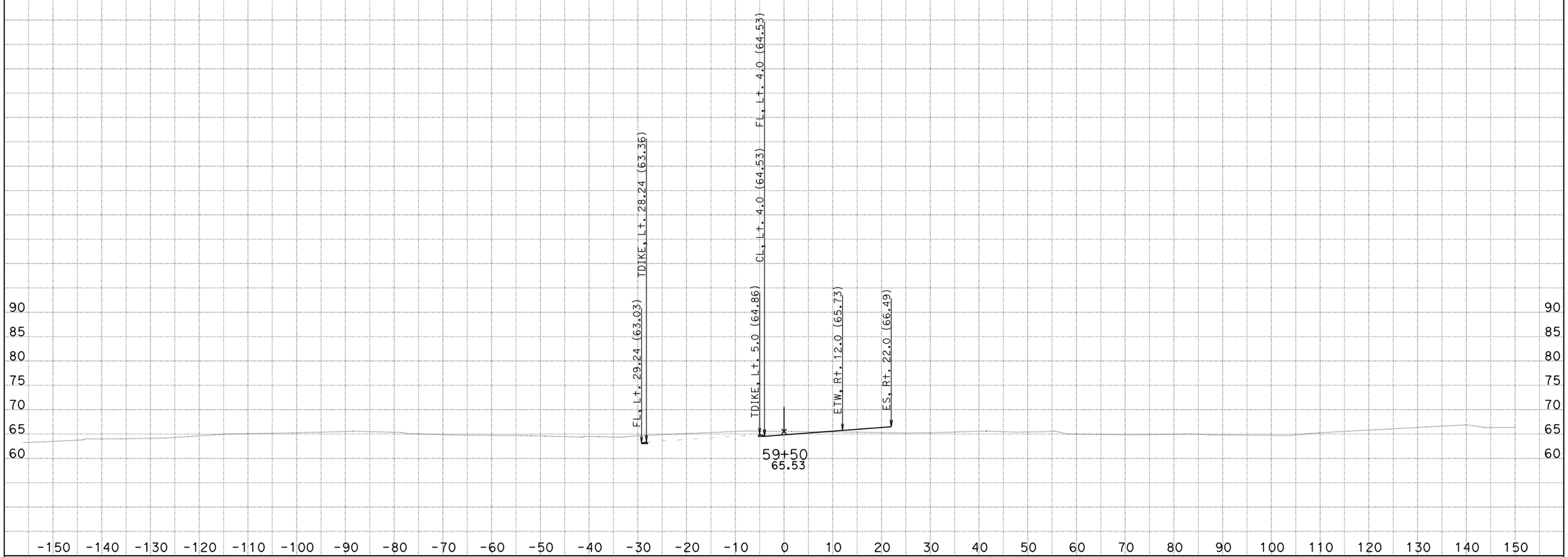
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 40 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

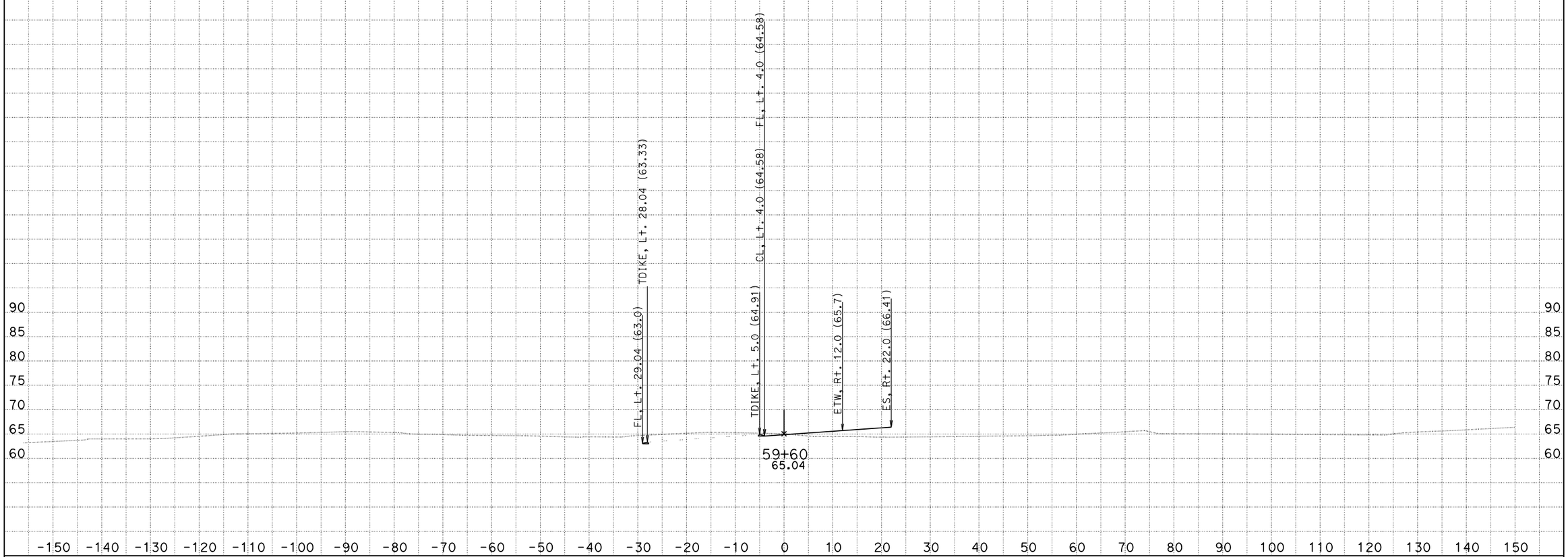
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 41 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

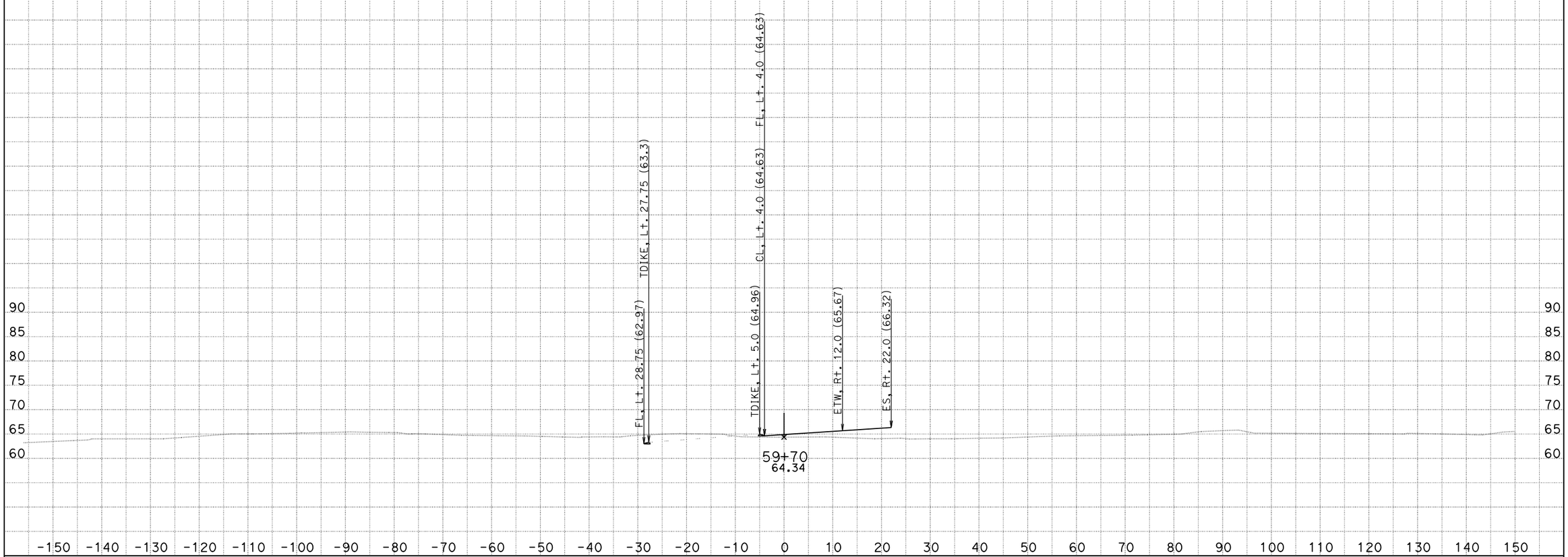
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 42 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

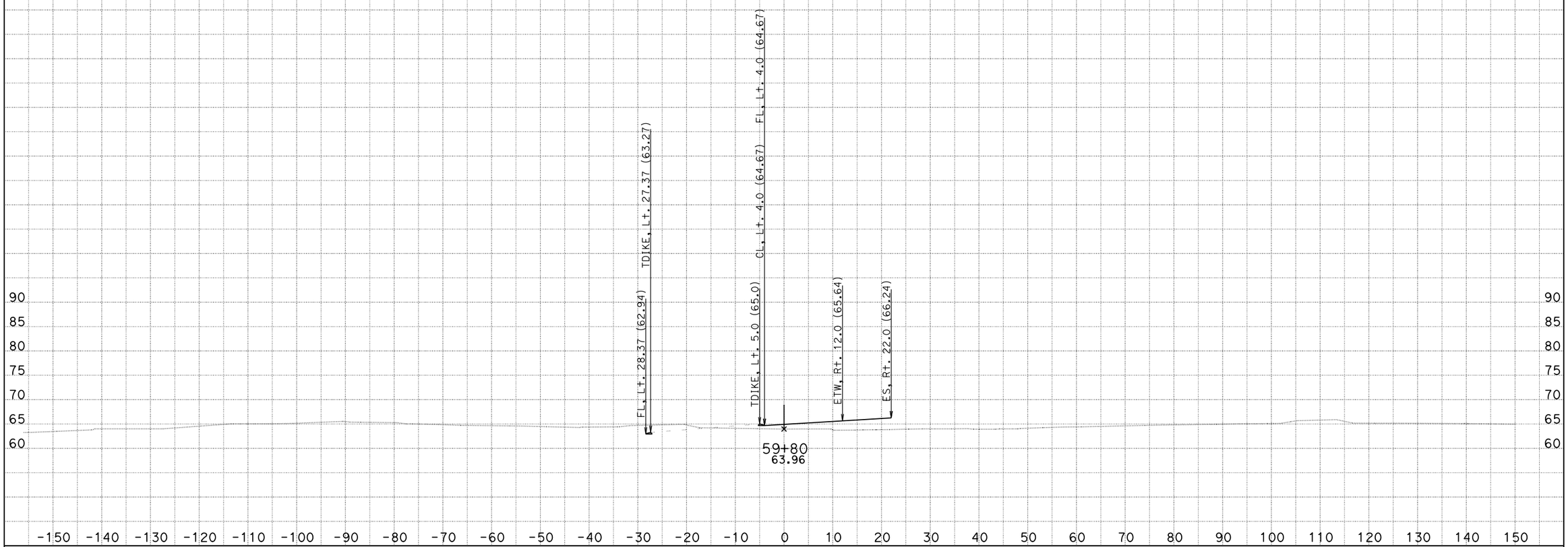
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 43 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

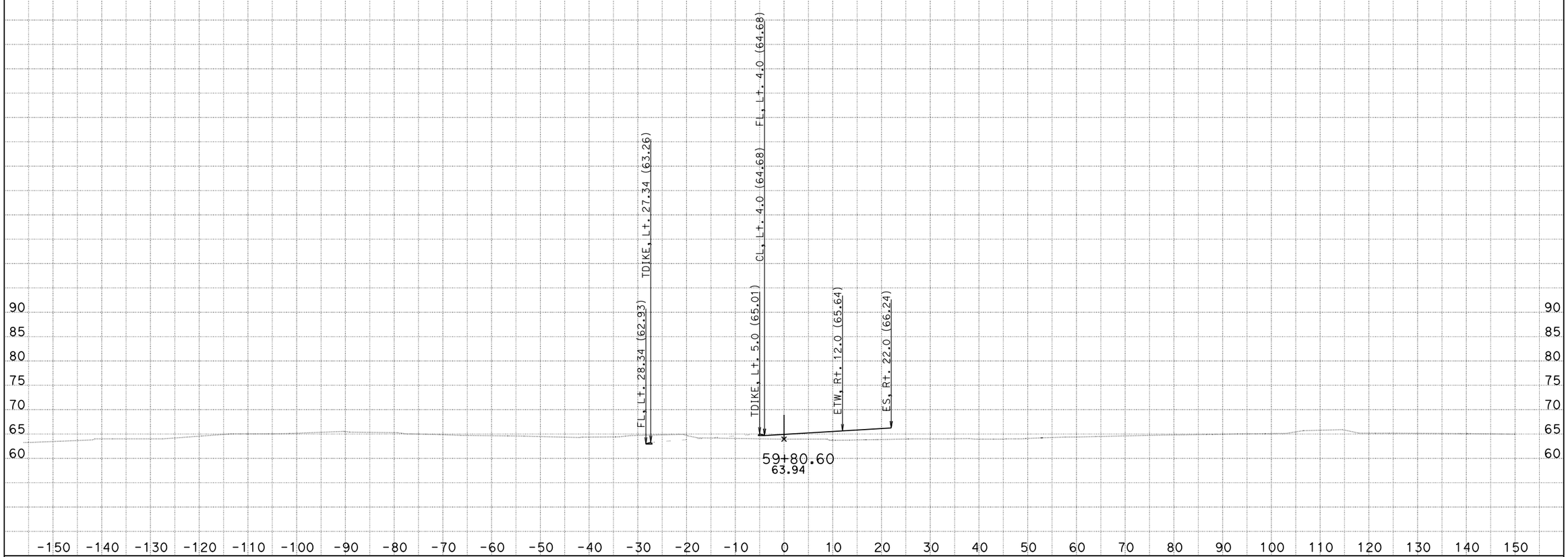
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 44 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

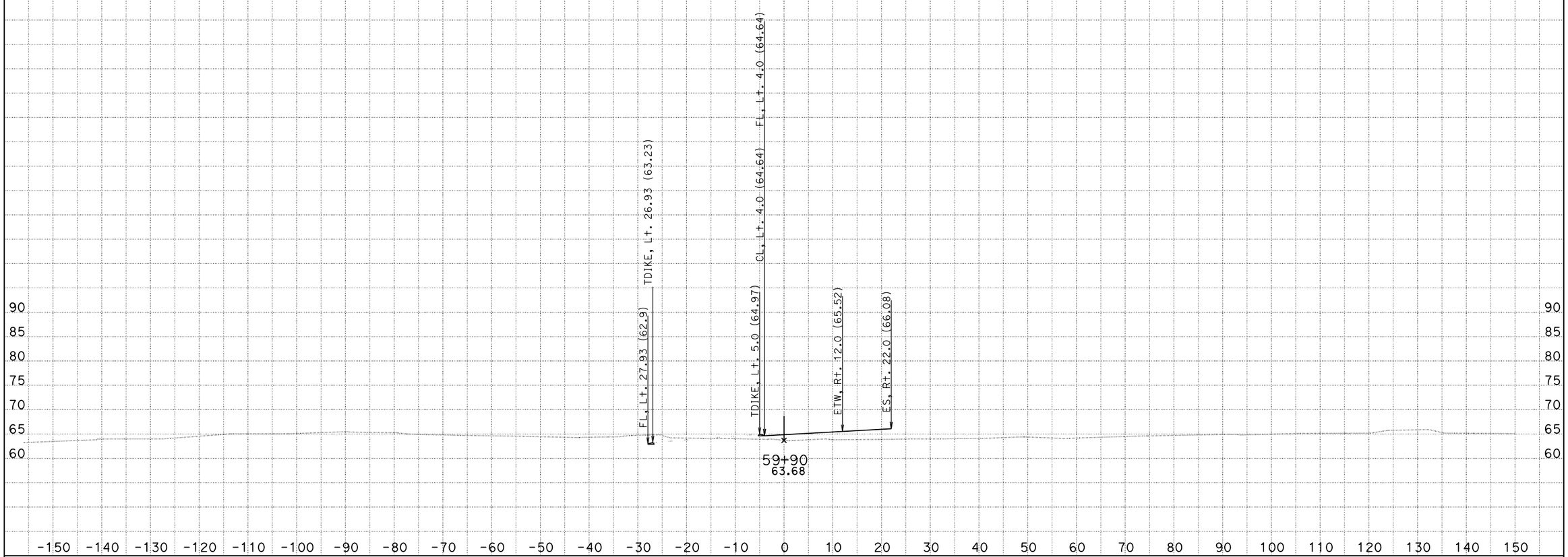
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 45 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

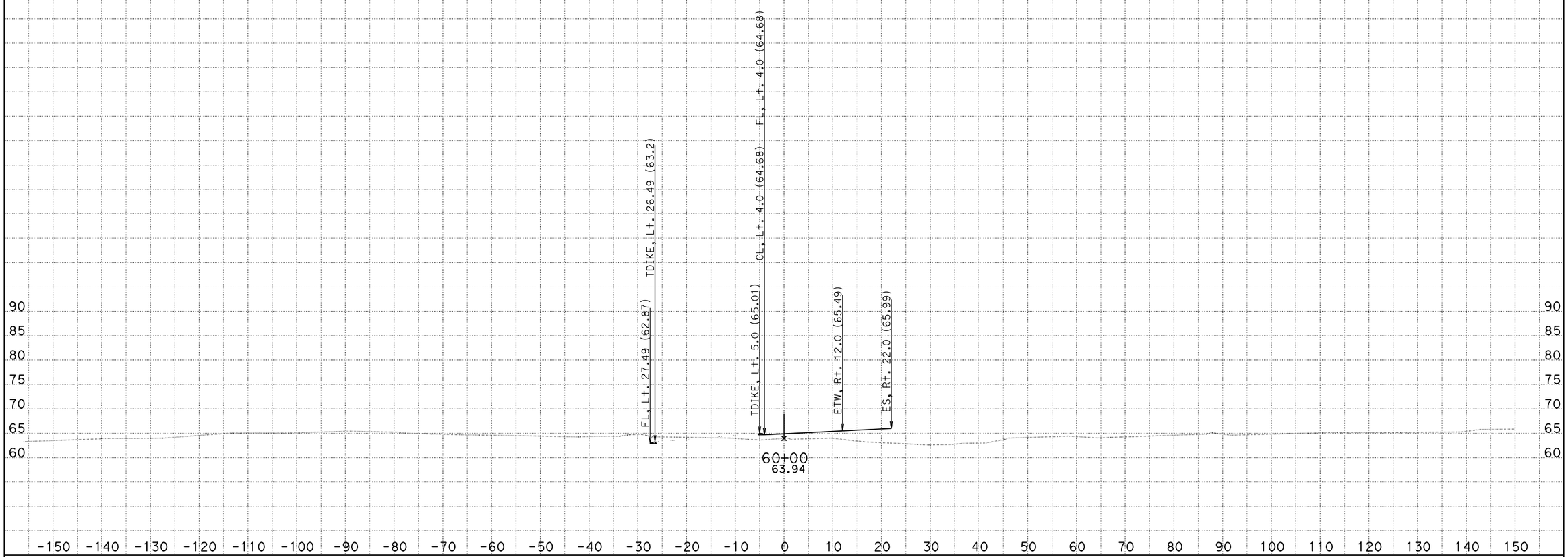
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 46 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

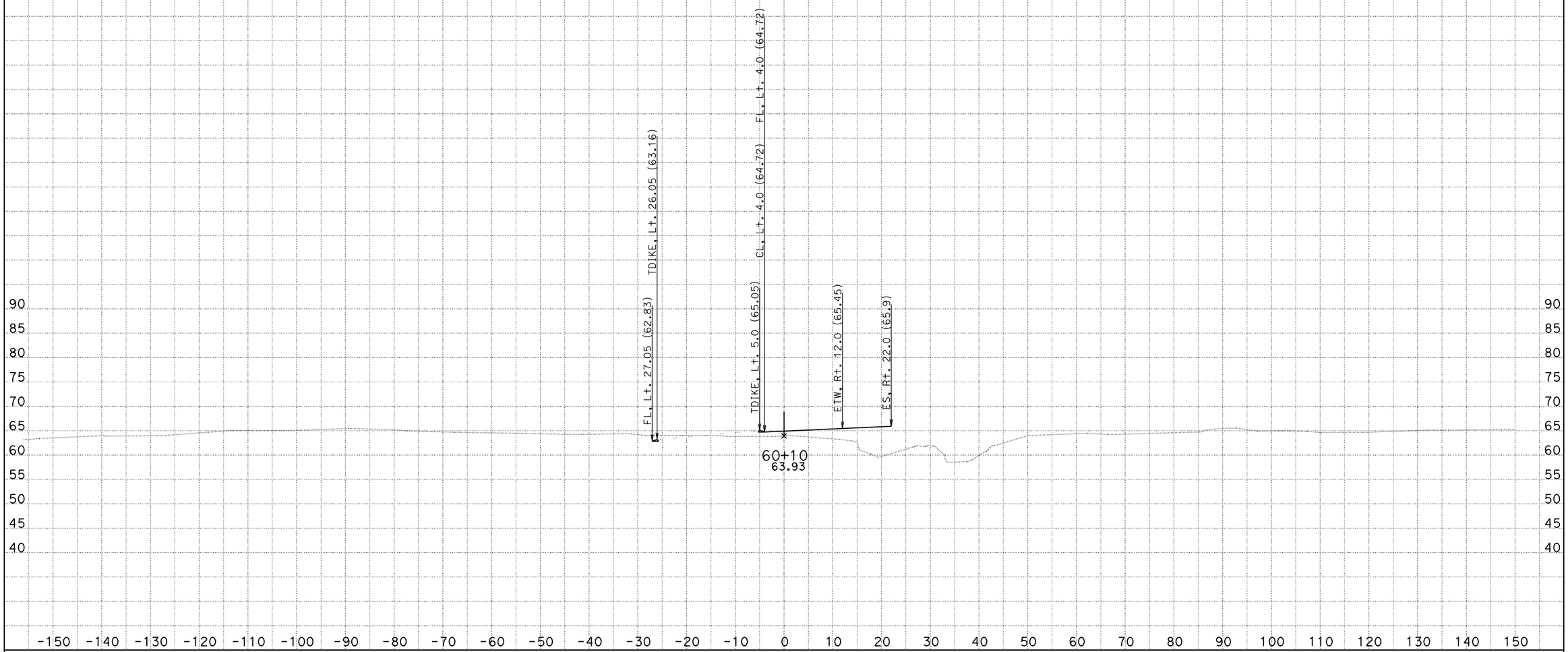
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 47 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

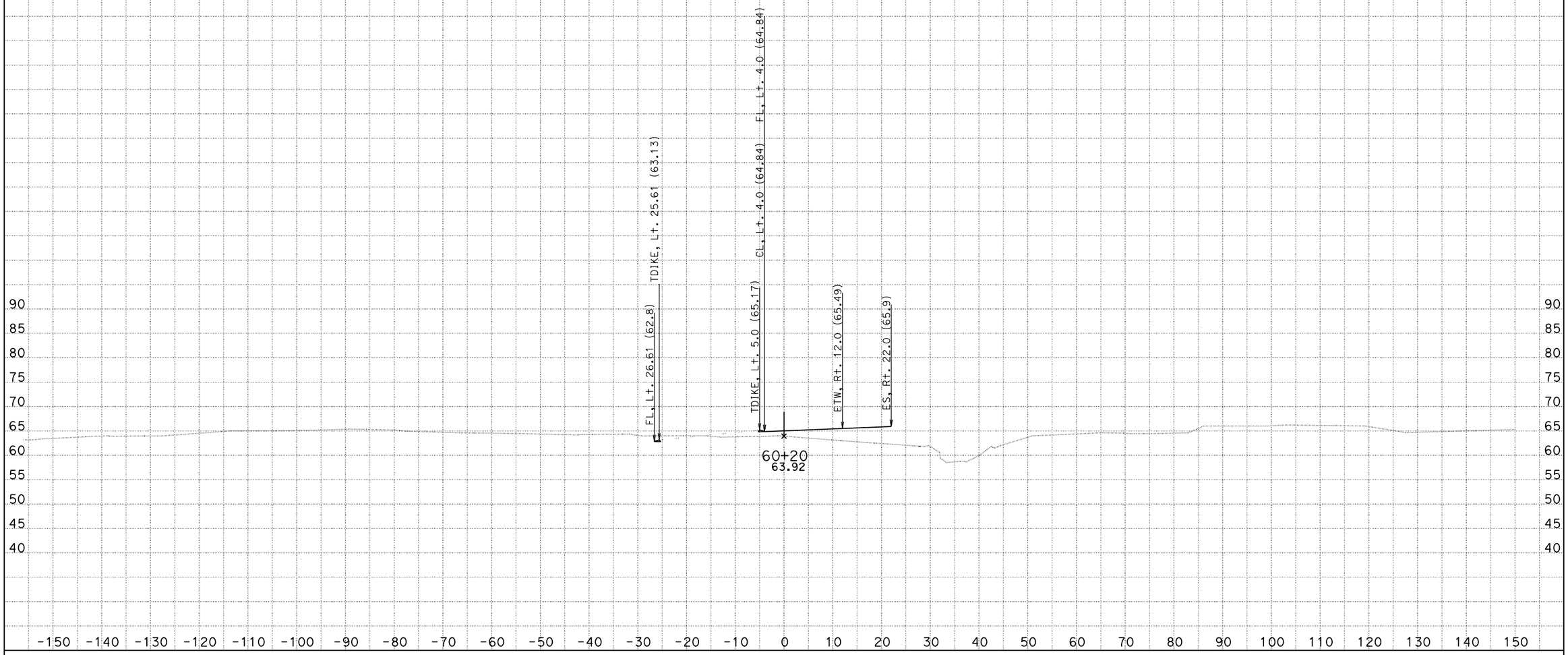
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 48 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

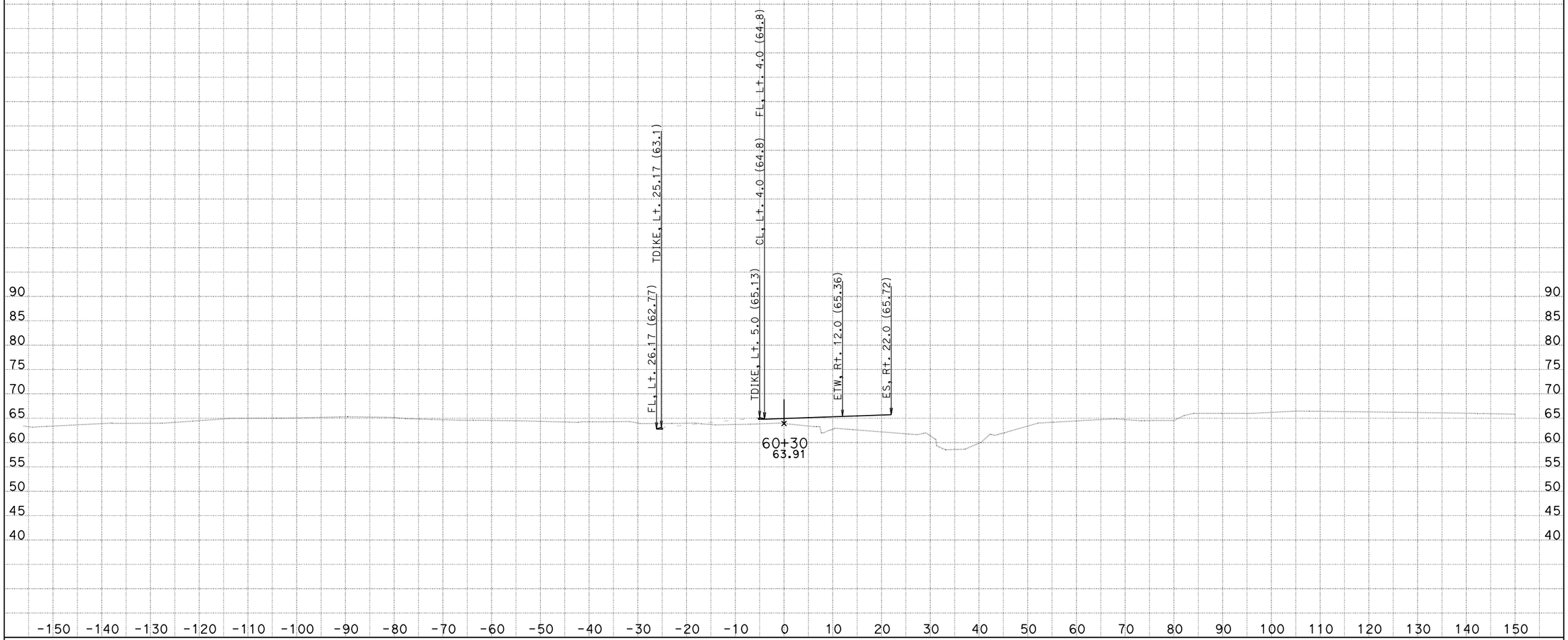
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 49 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

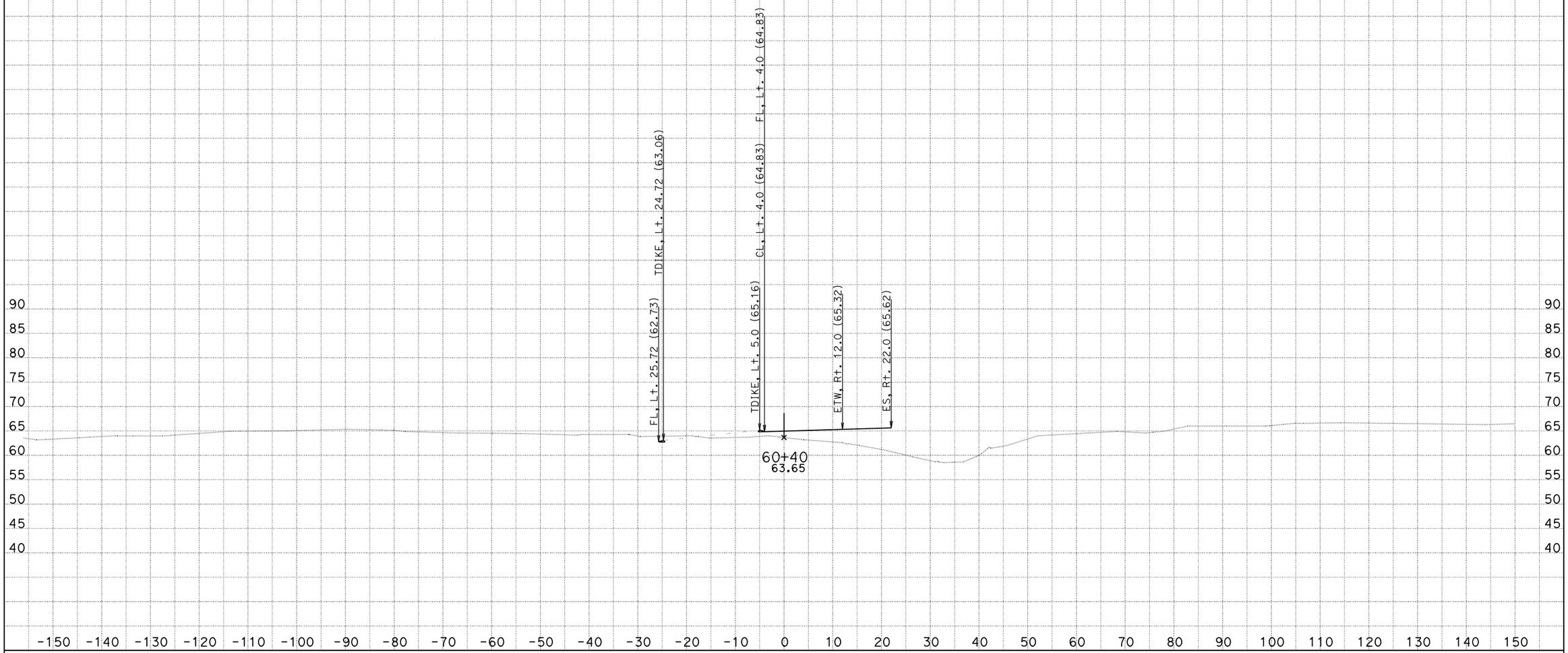
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 50 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

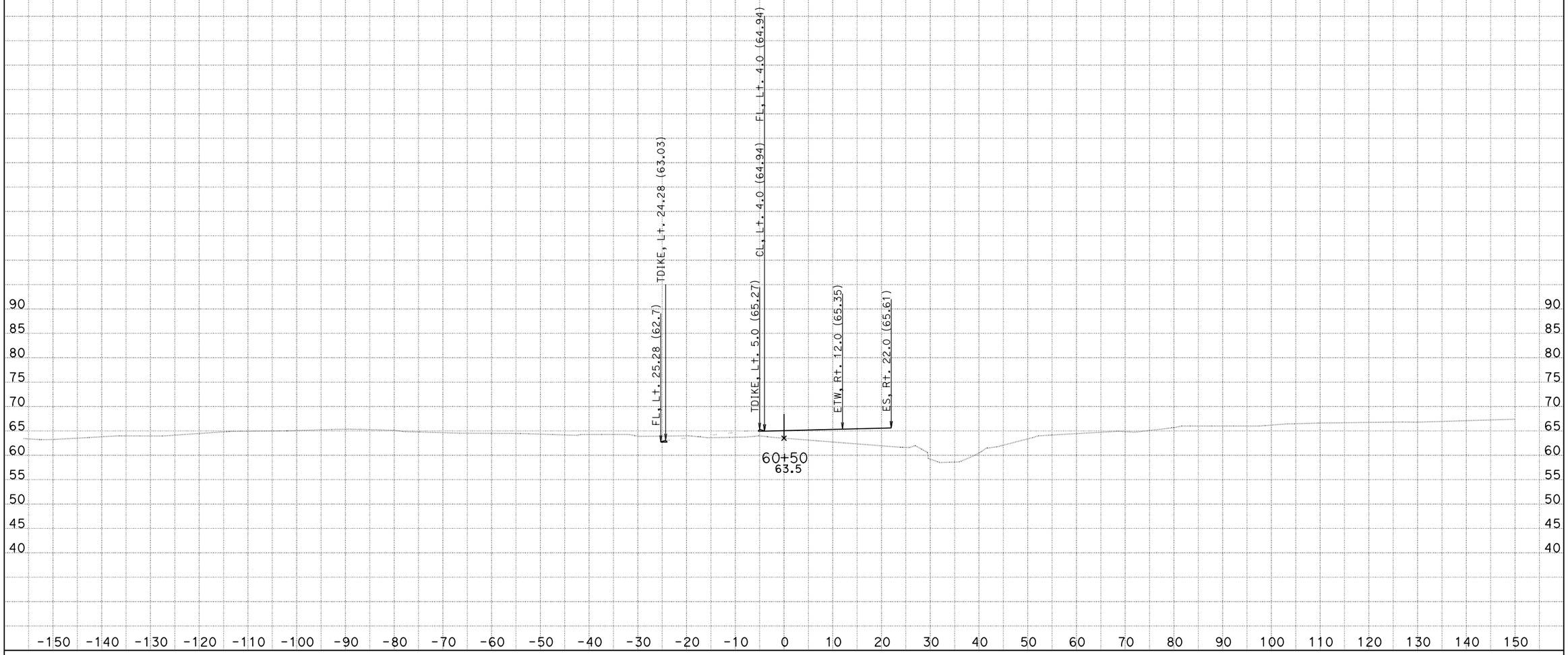
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 51 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

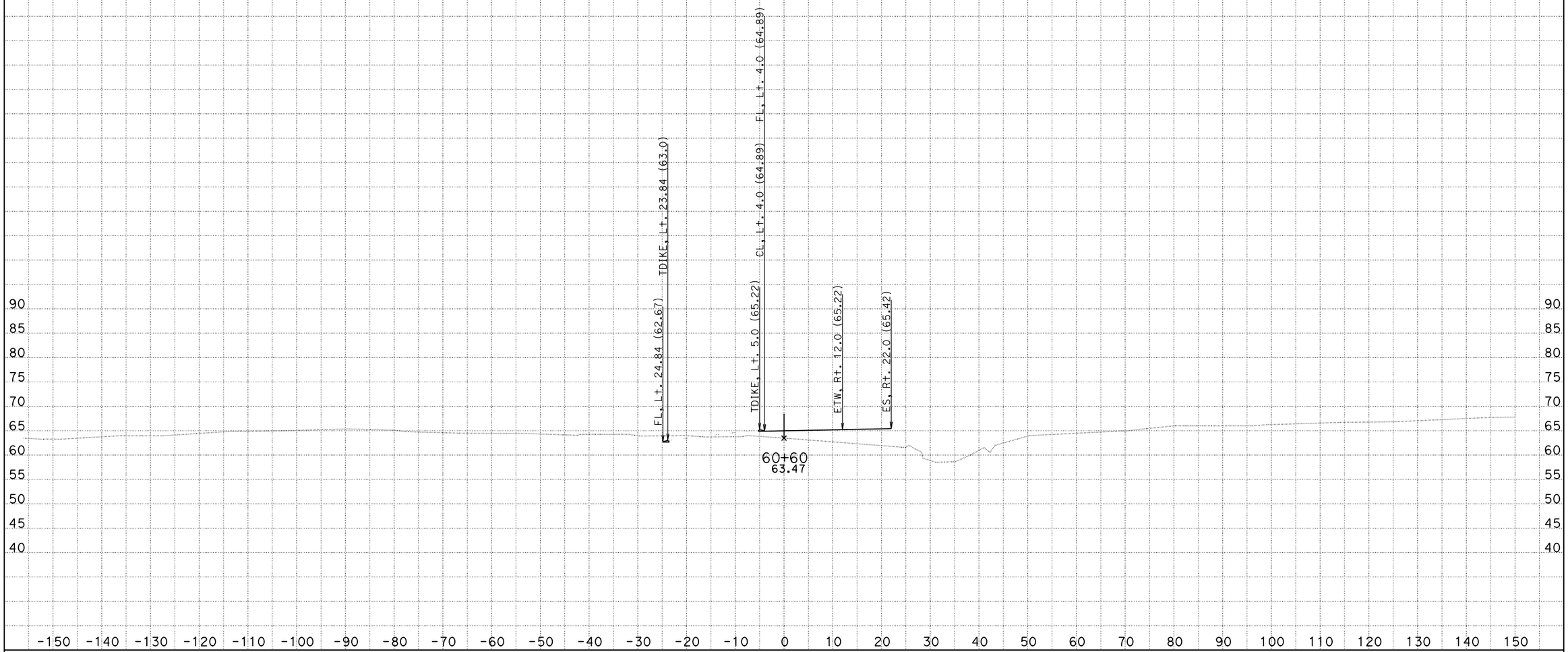
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 52 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

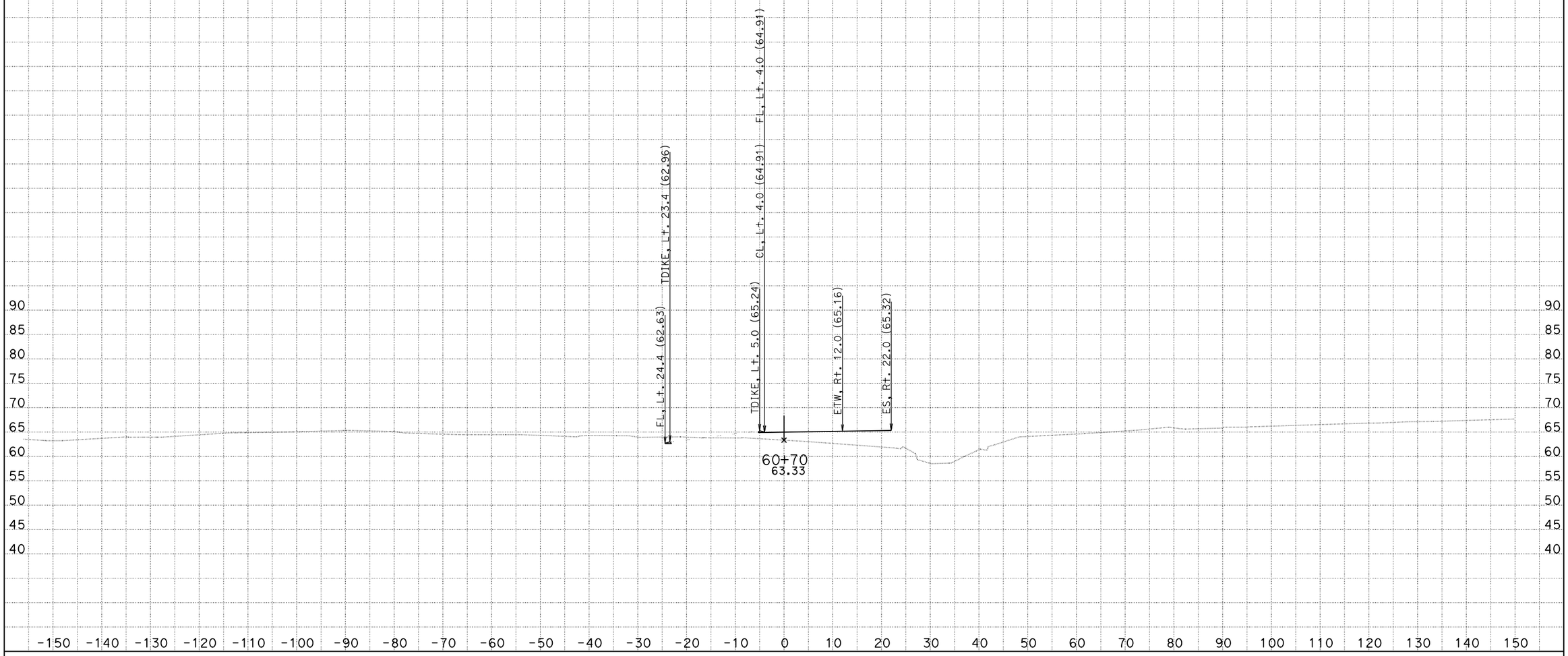
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 53 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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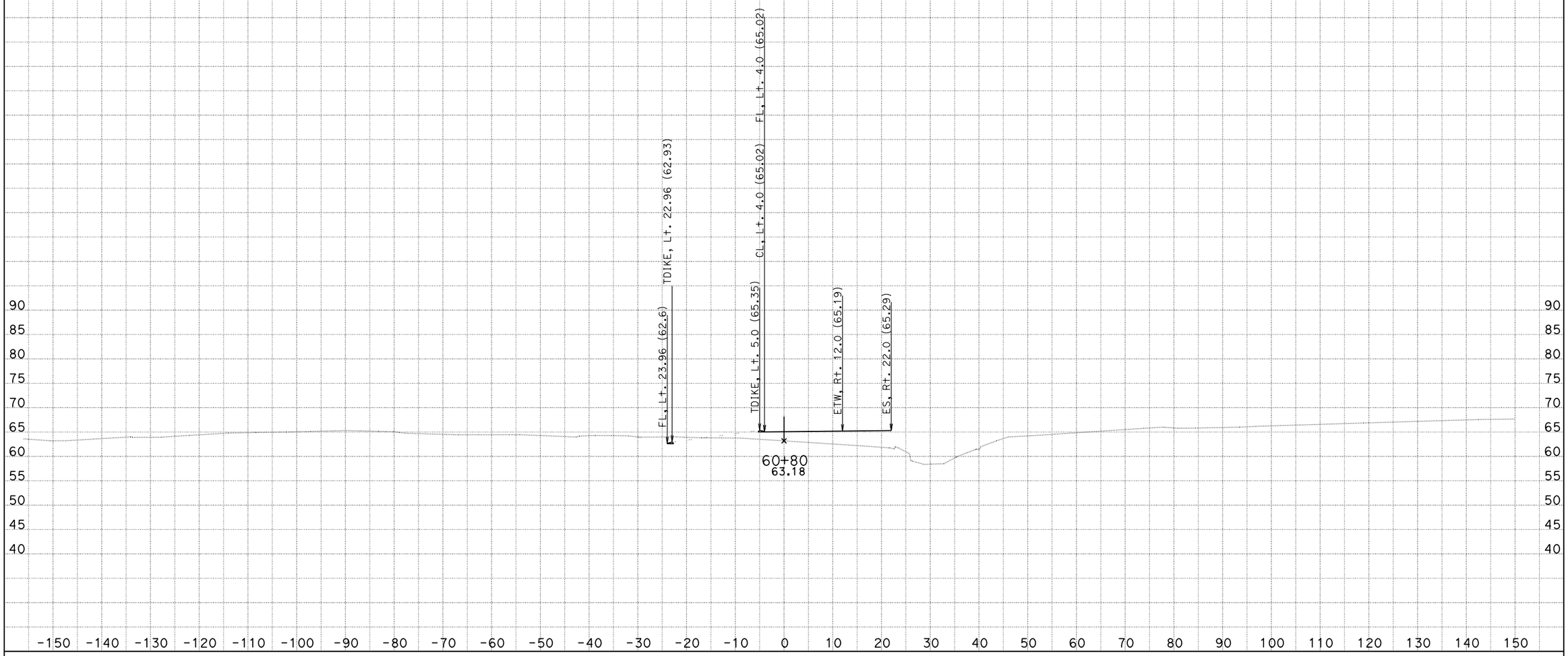
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 54 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
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Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
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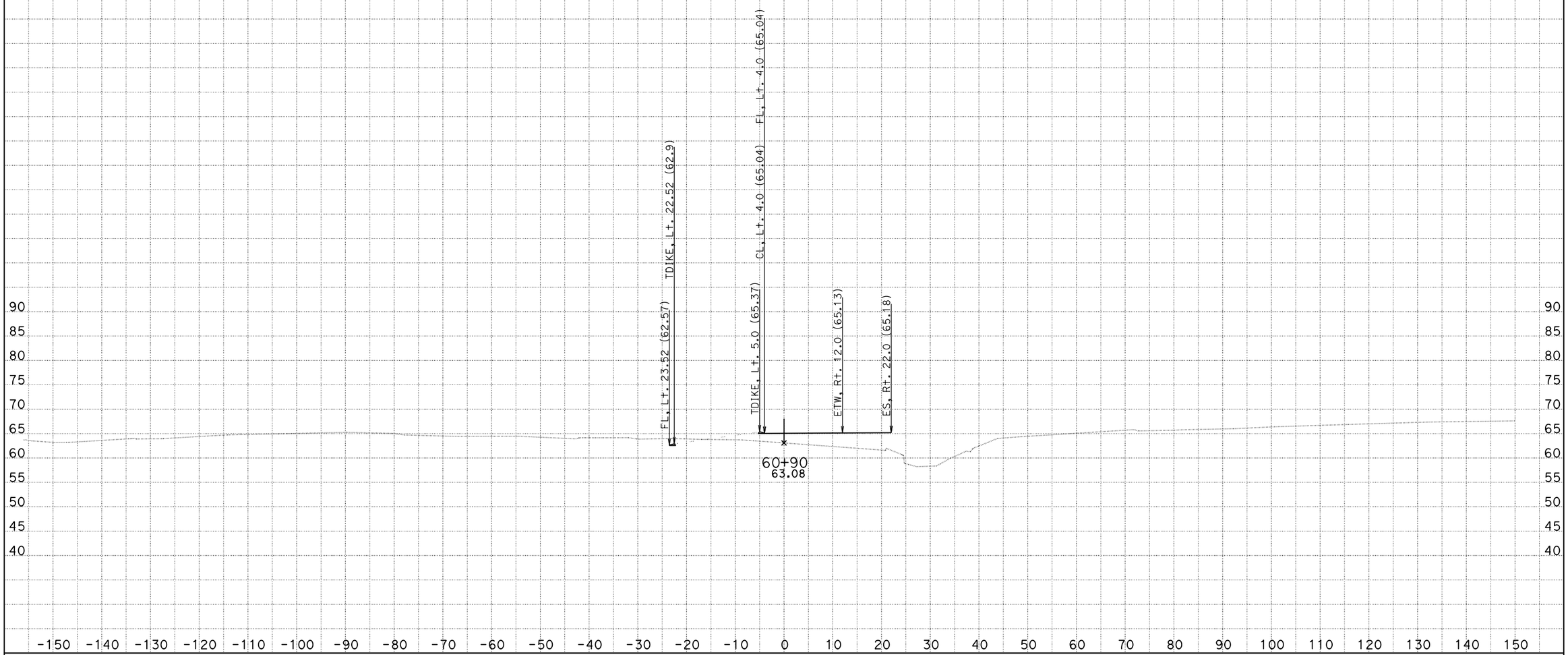
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 55 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

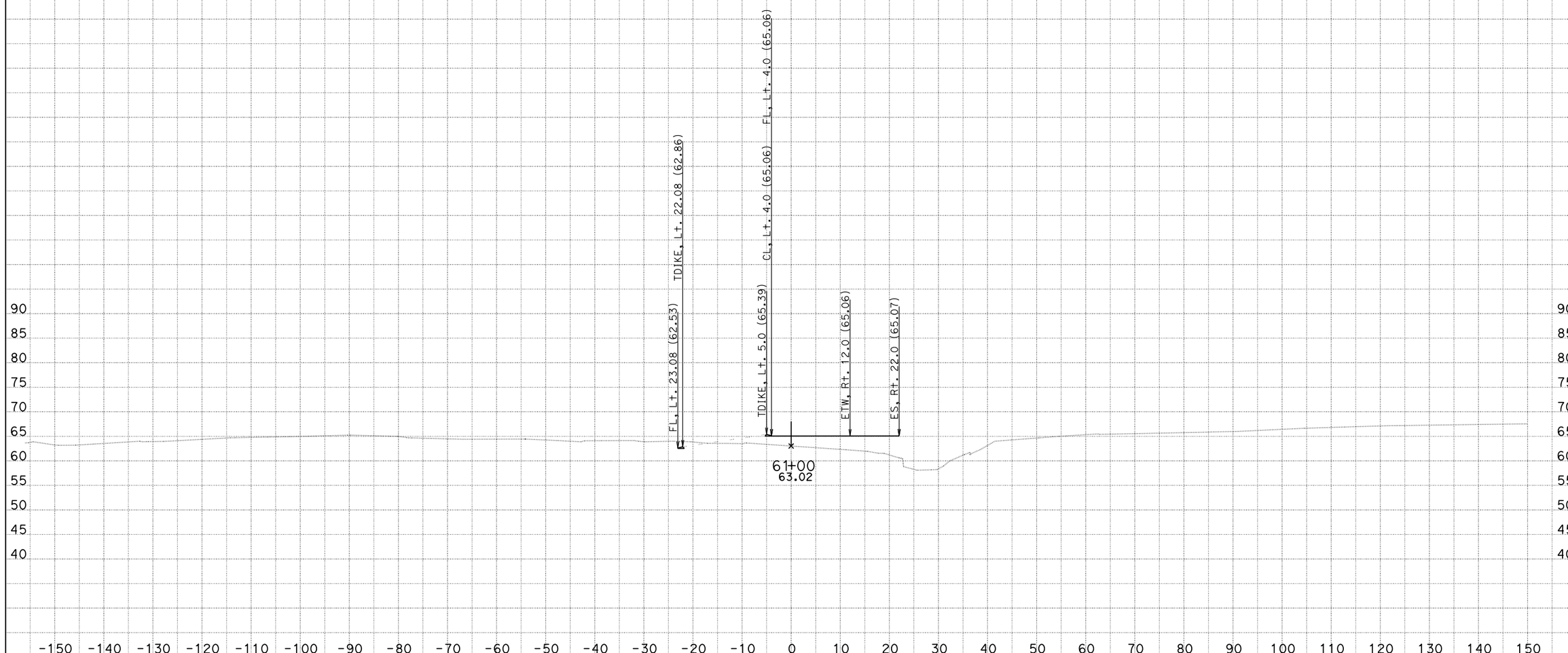
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 56 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

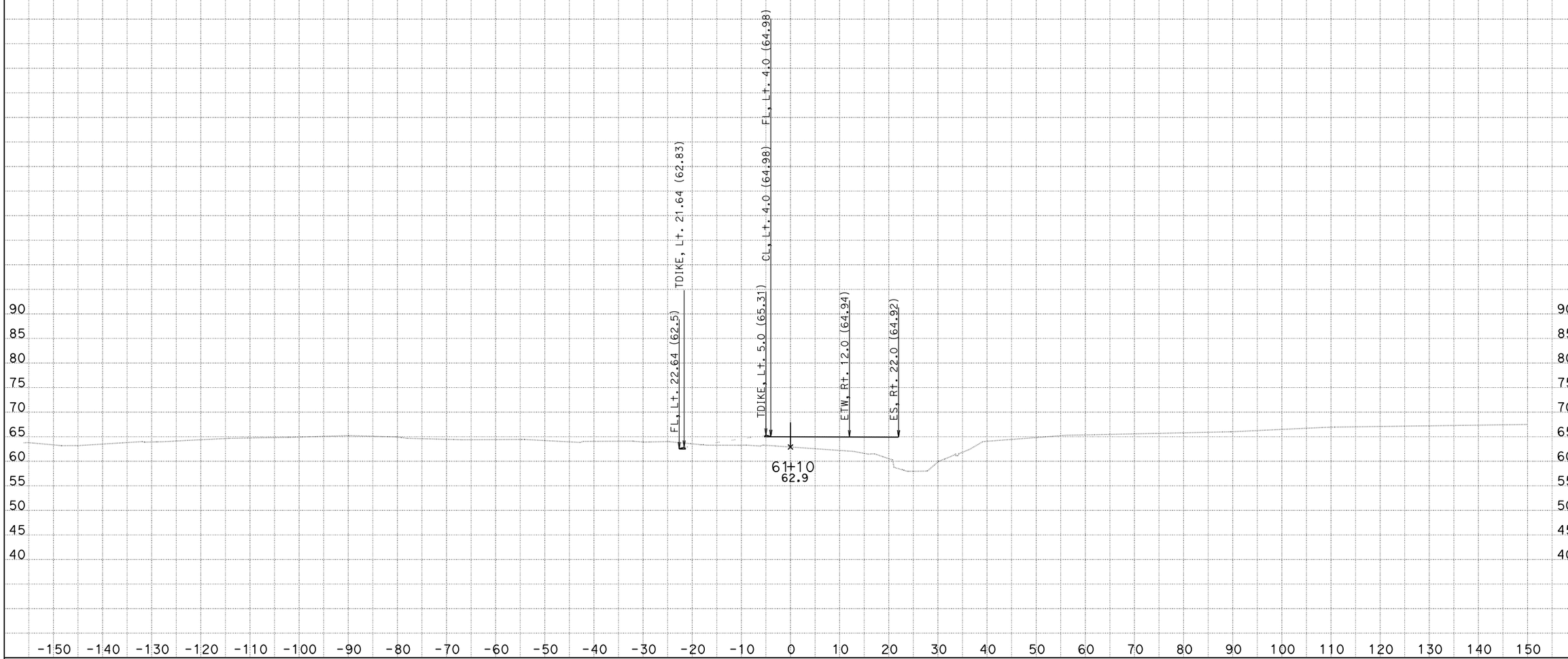
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 57 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

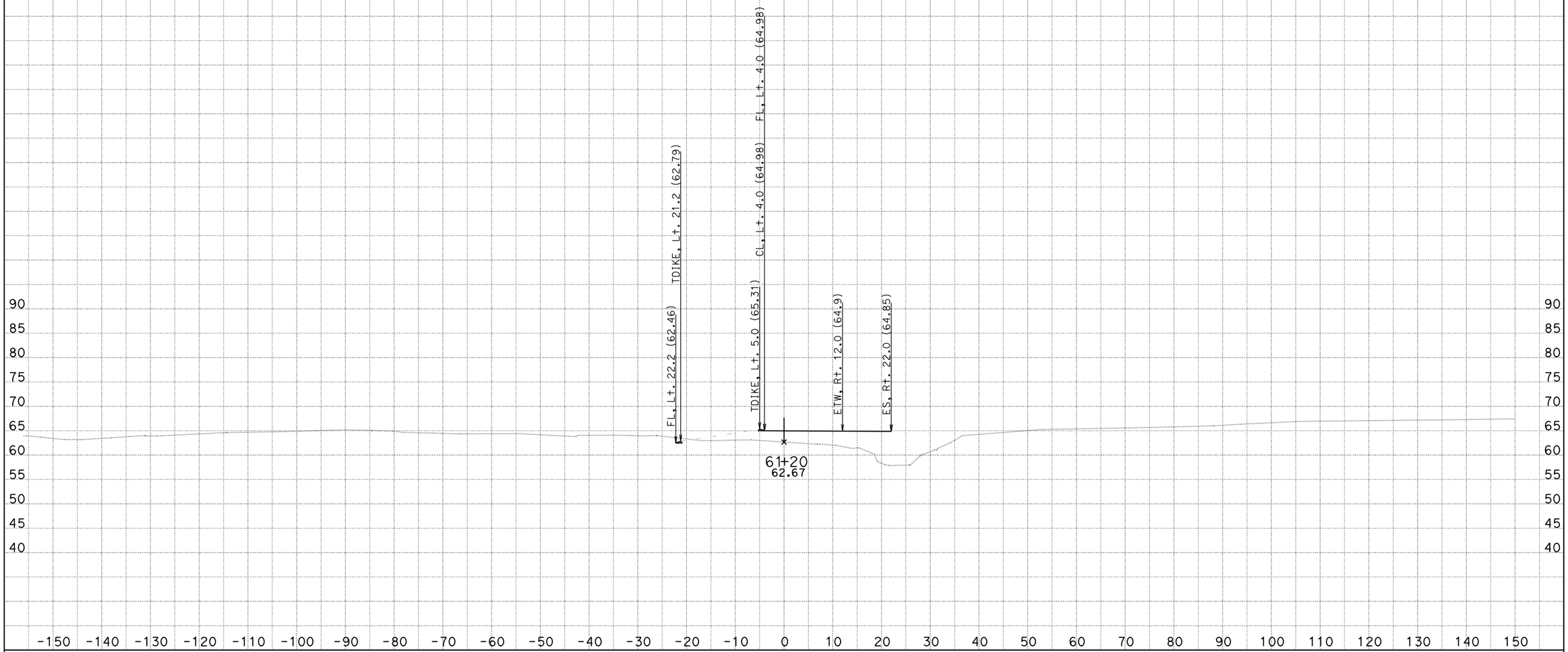
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 58 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

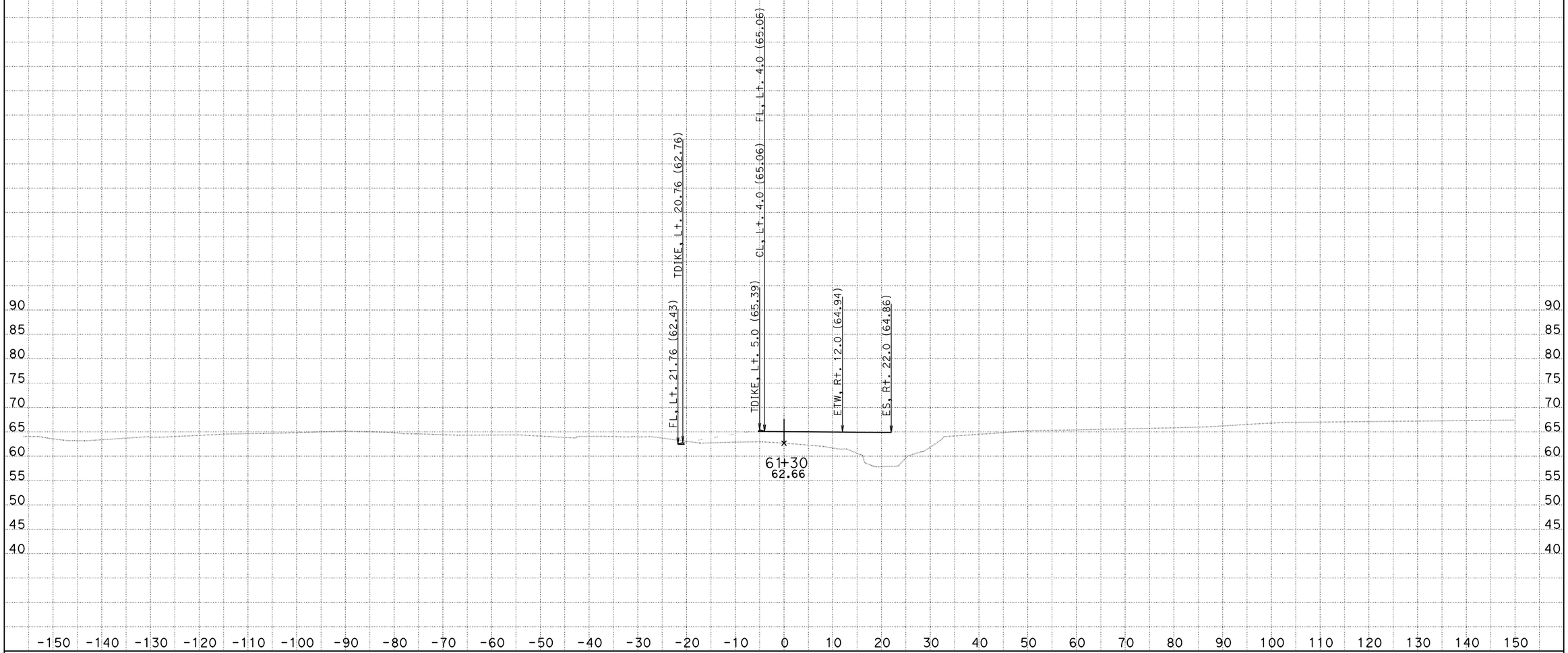
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 59 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

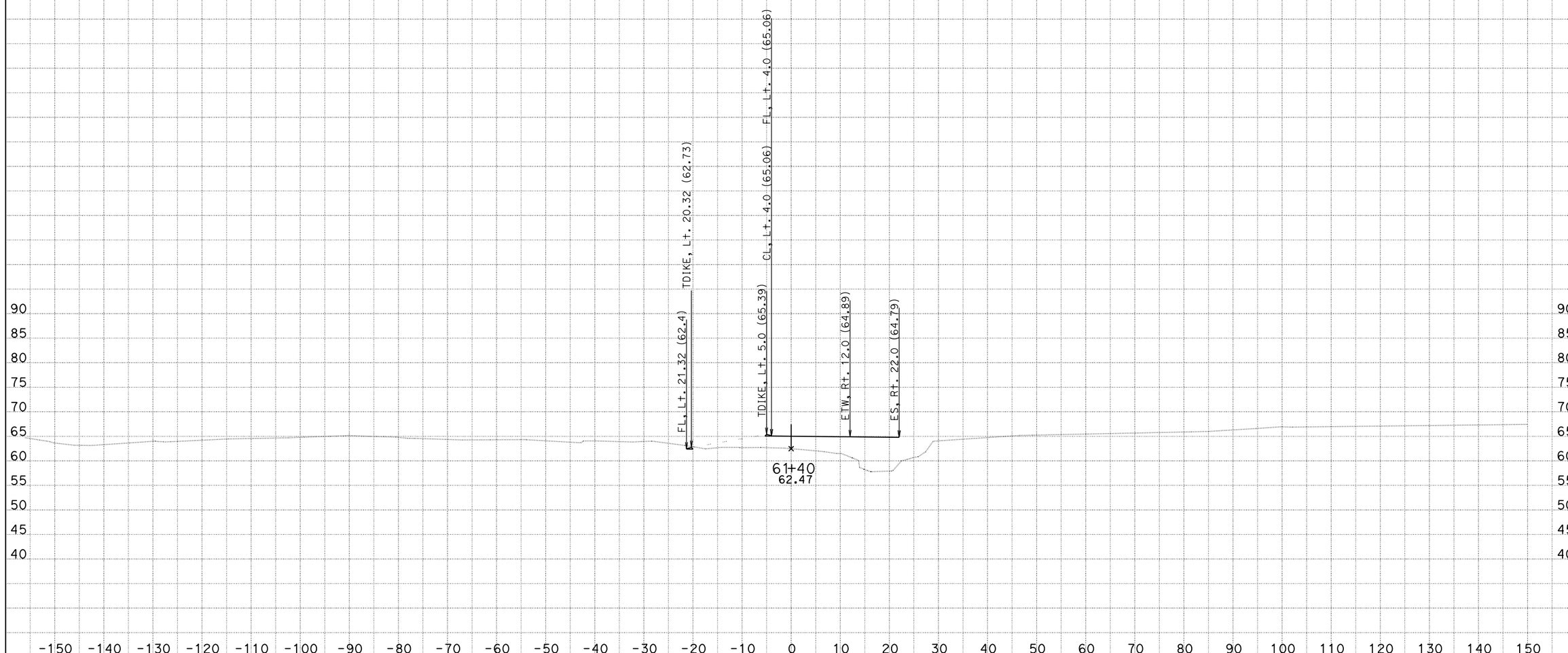
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 60 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
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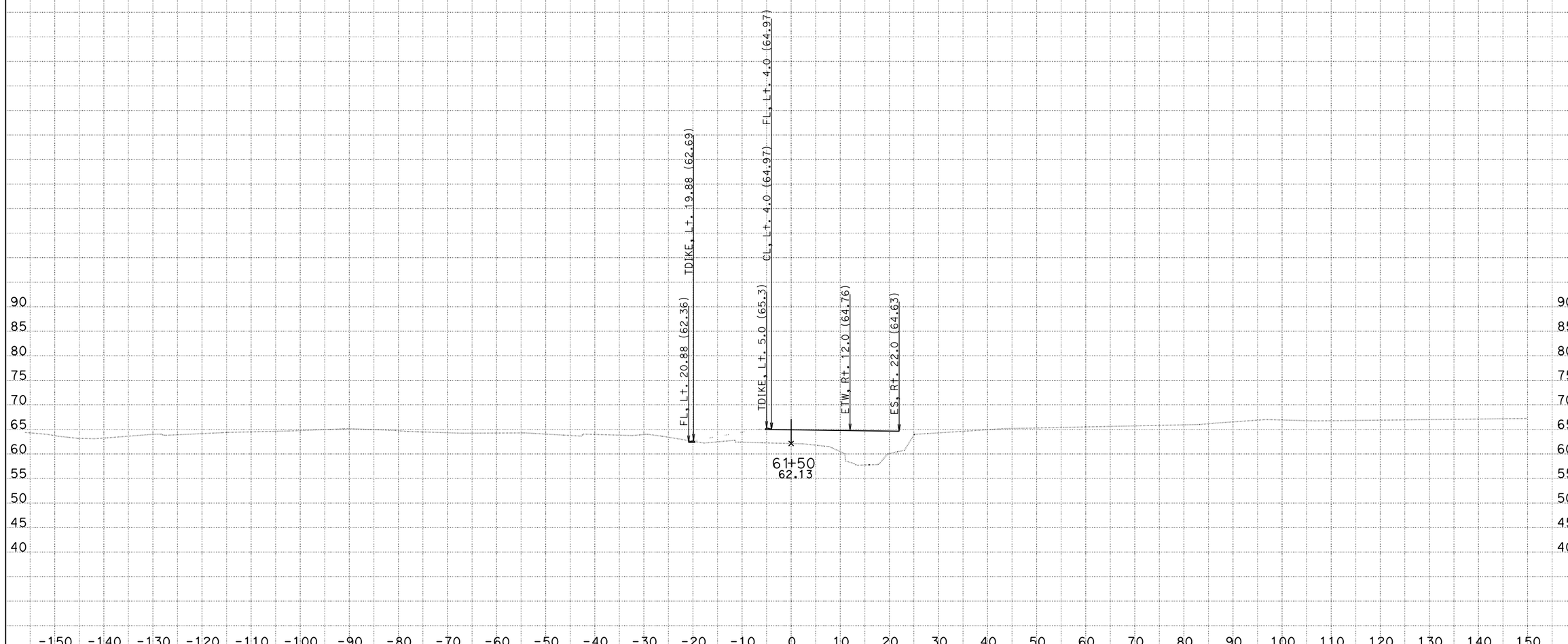
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 61 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

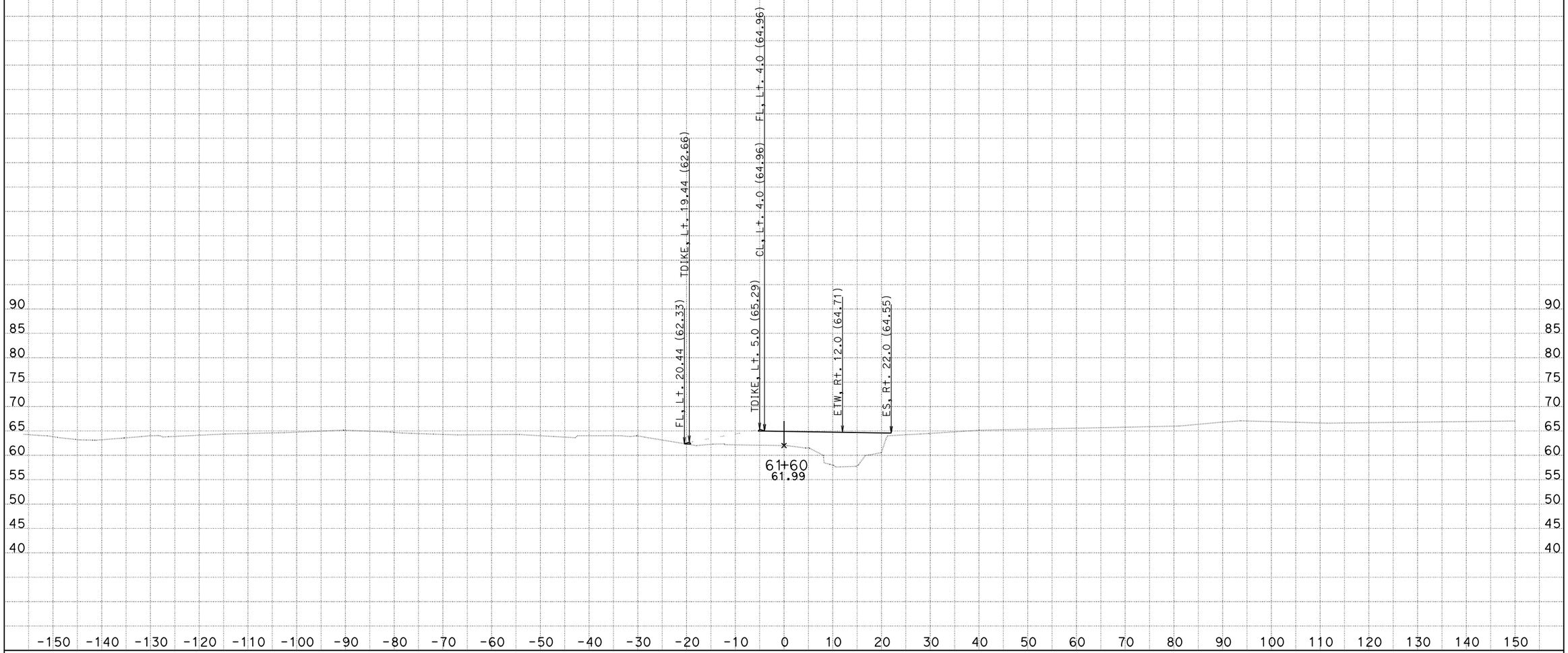
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 62 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
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SCALE: 1" = 10' Horiz.
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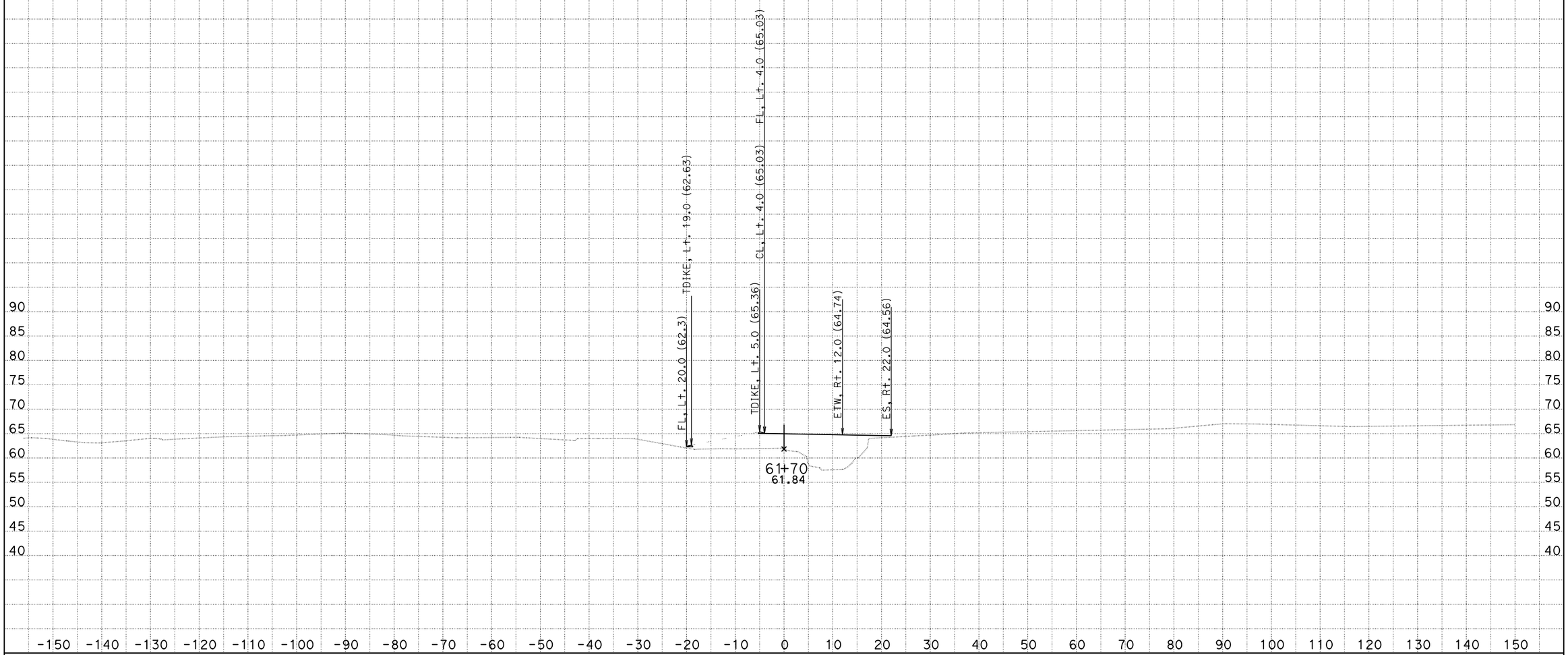
All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 63 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
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CONTRACT: 07-215921
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PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
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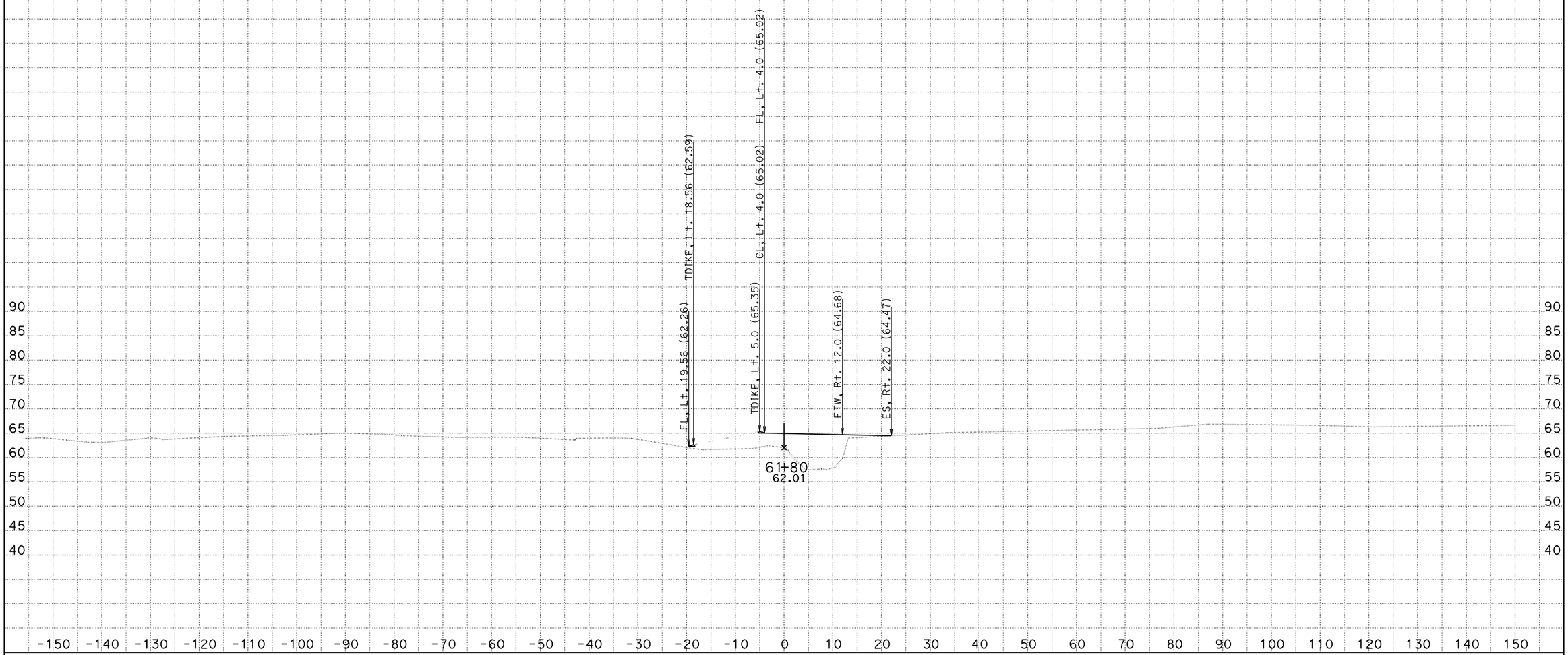
VA4
CROSS SECTIONS
SHEET 64 OF 180

DESIGN STUDY ONLY



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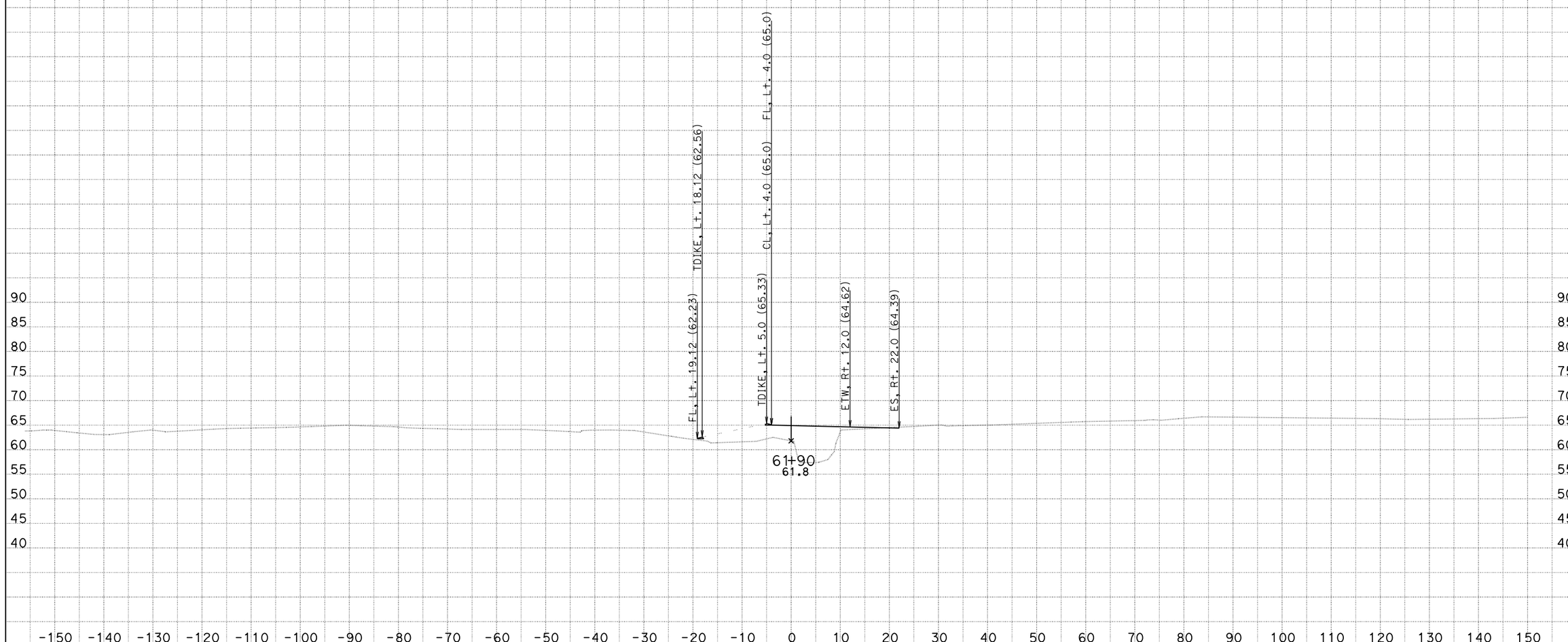
VA4
CROSS SECTIONS
SHEET 65 OF 180

DESIGN STUDY ONLY



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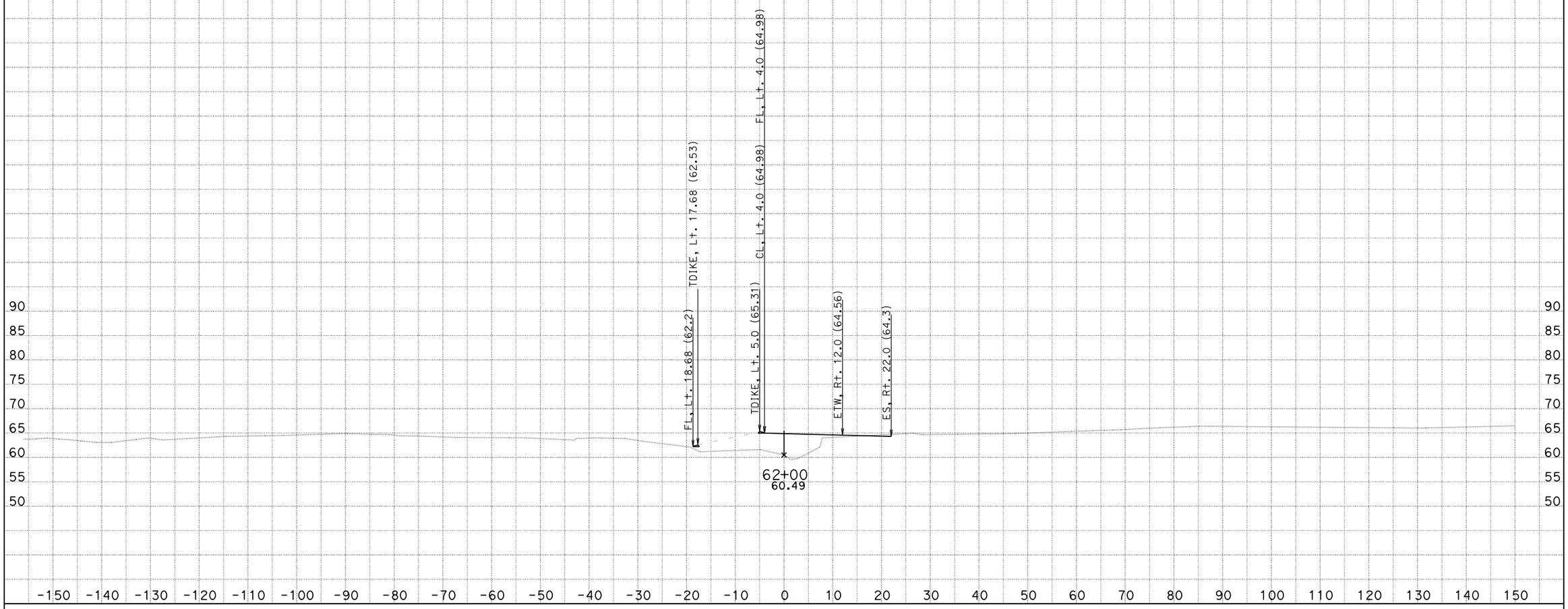
VA4
CROSS SECTIONS
SHEET 66 OF 180

DESIGN STUDY ONLY



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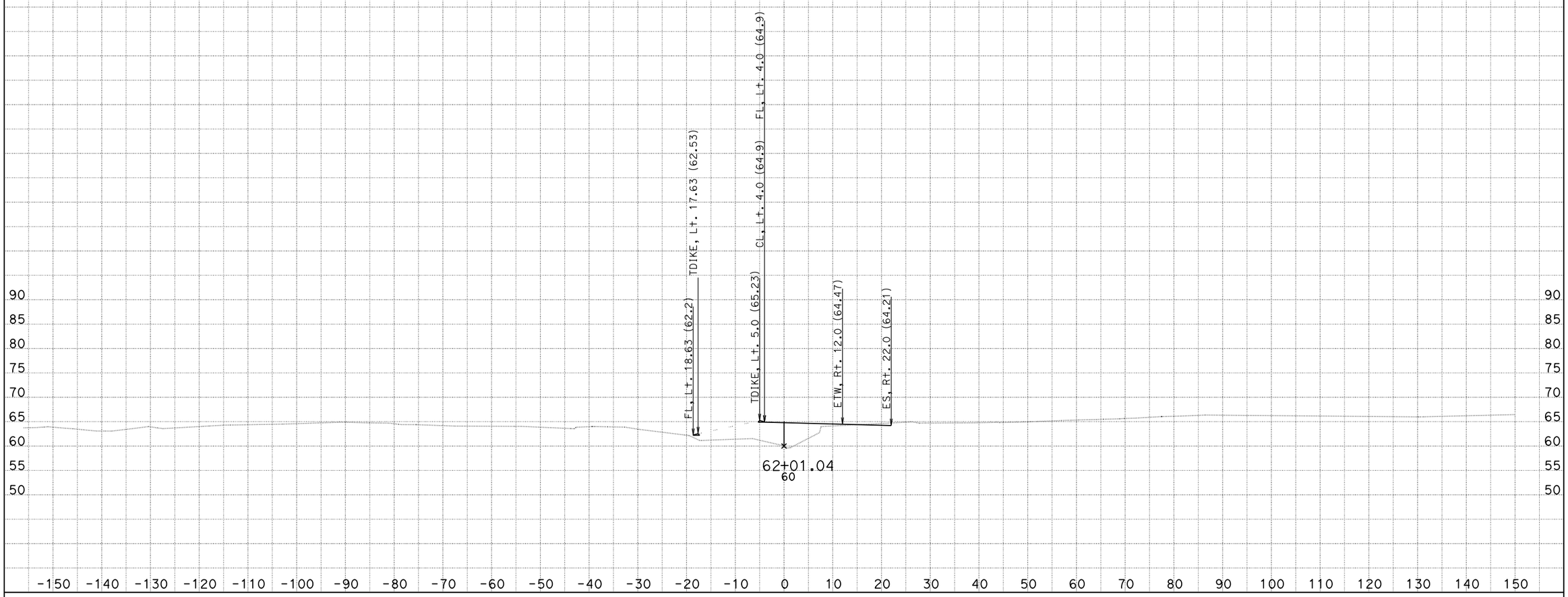
All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 67 OF 180

DESIGN STUDY ONLY



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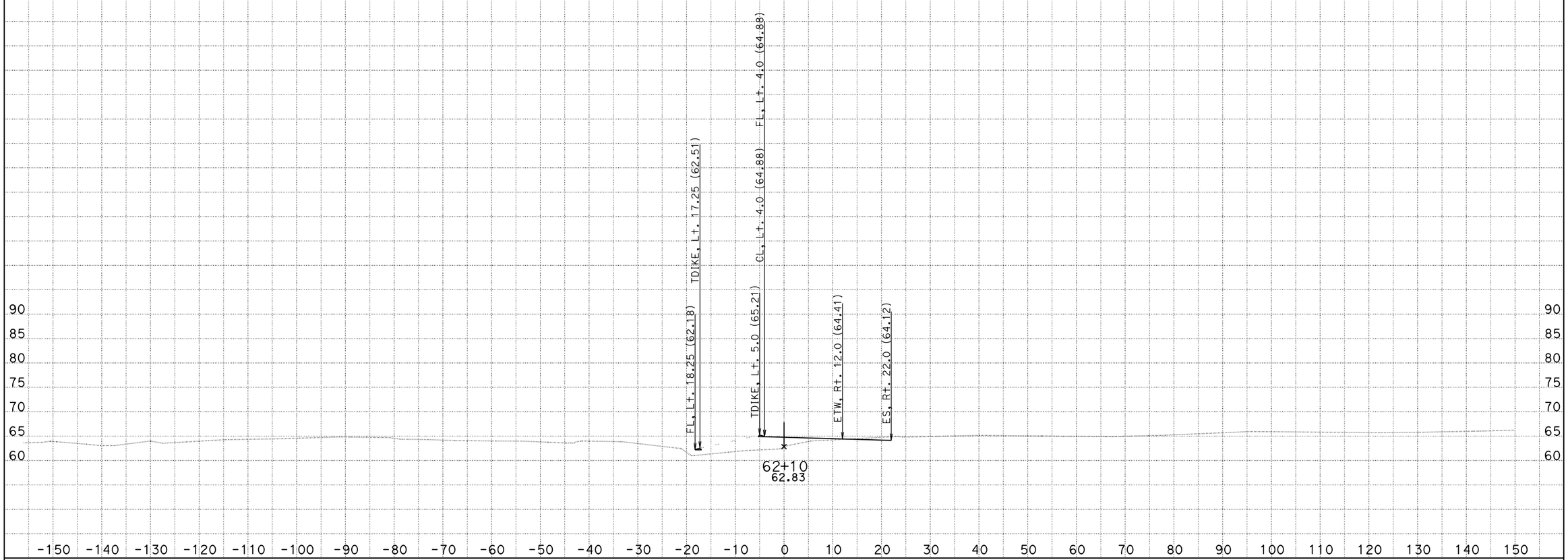
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 68 OF 180

DESIGN STUDY ONLY



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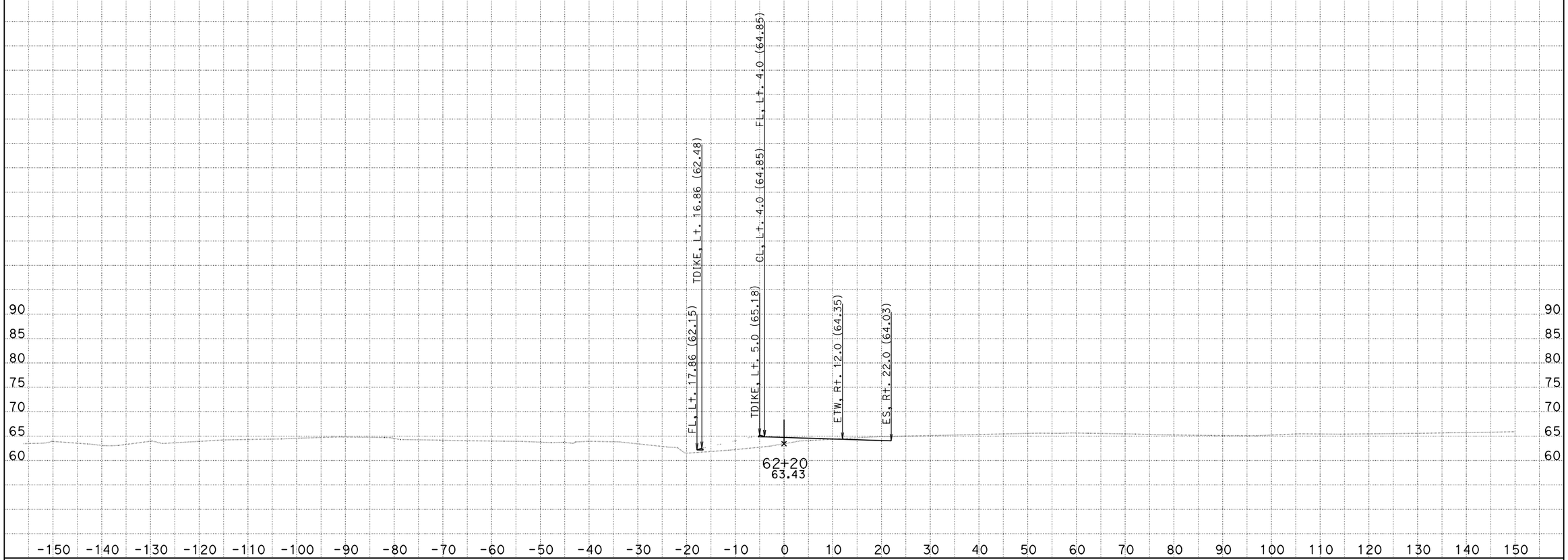
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 69 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
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CONTRACT: 07-215921
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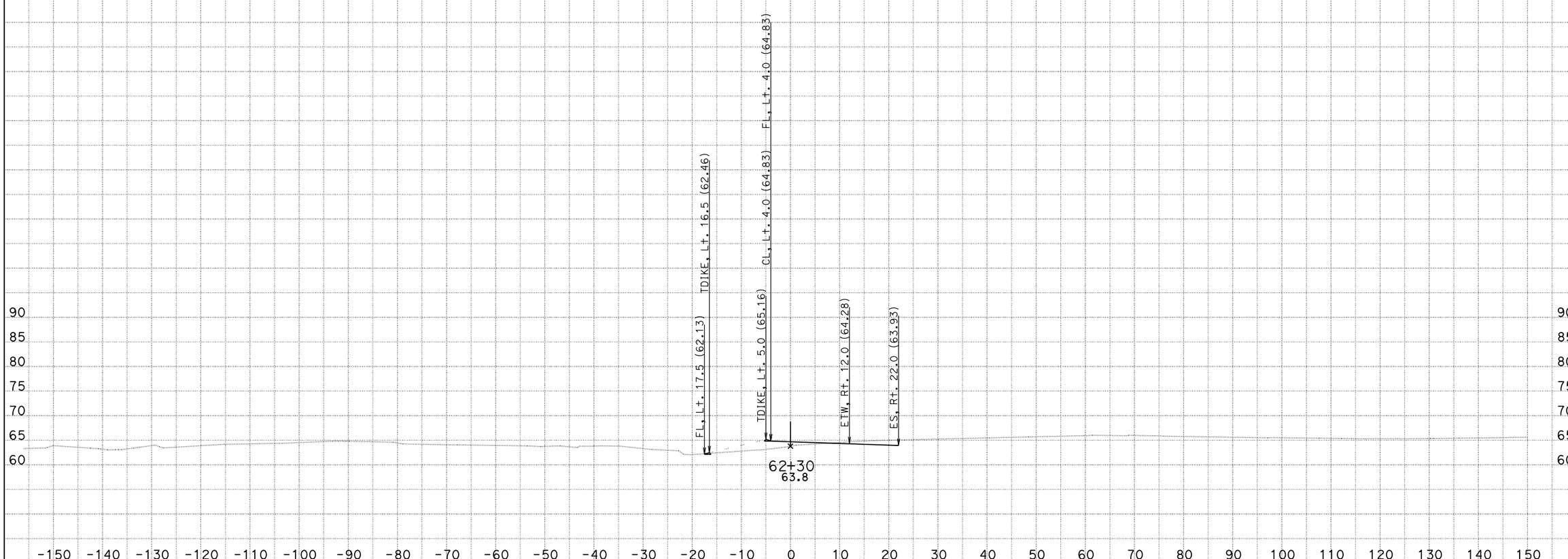
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 70 OF 180

DESIGN STUDY ONLY



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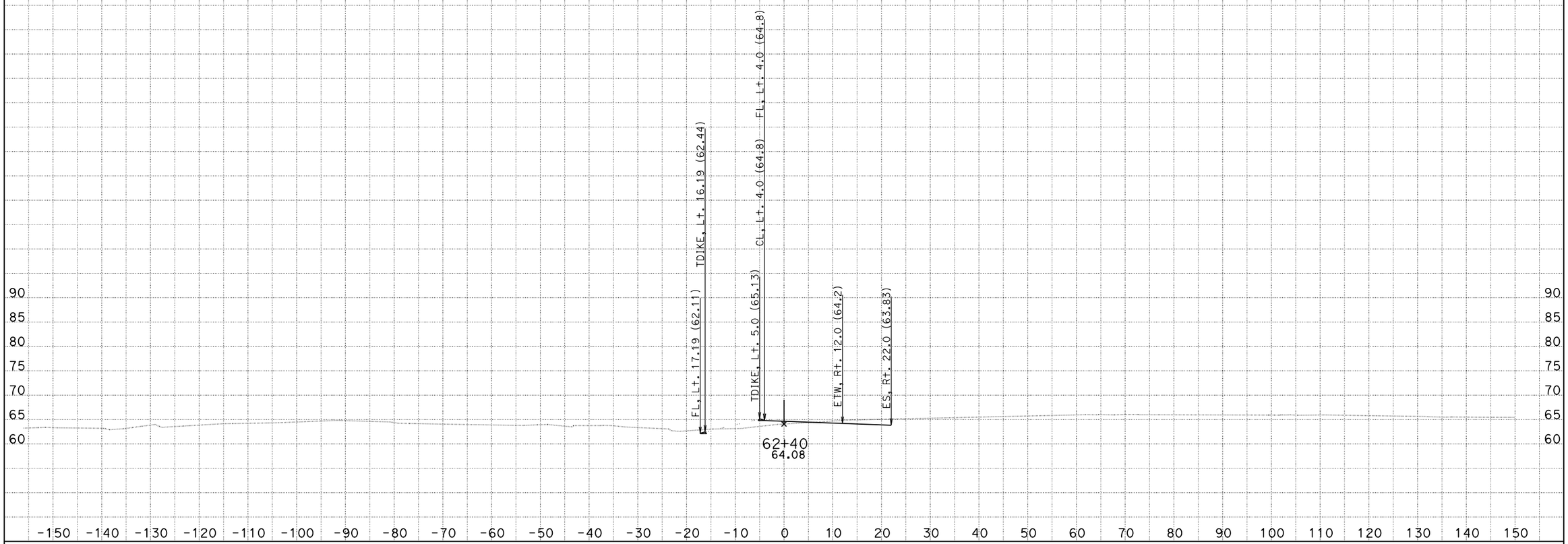
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 71 OF 180

DESIGN STUDY ONLY



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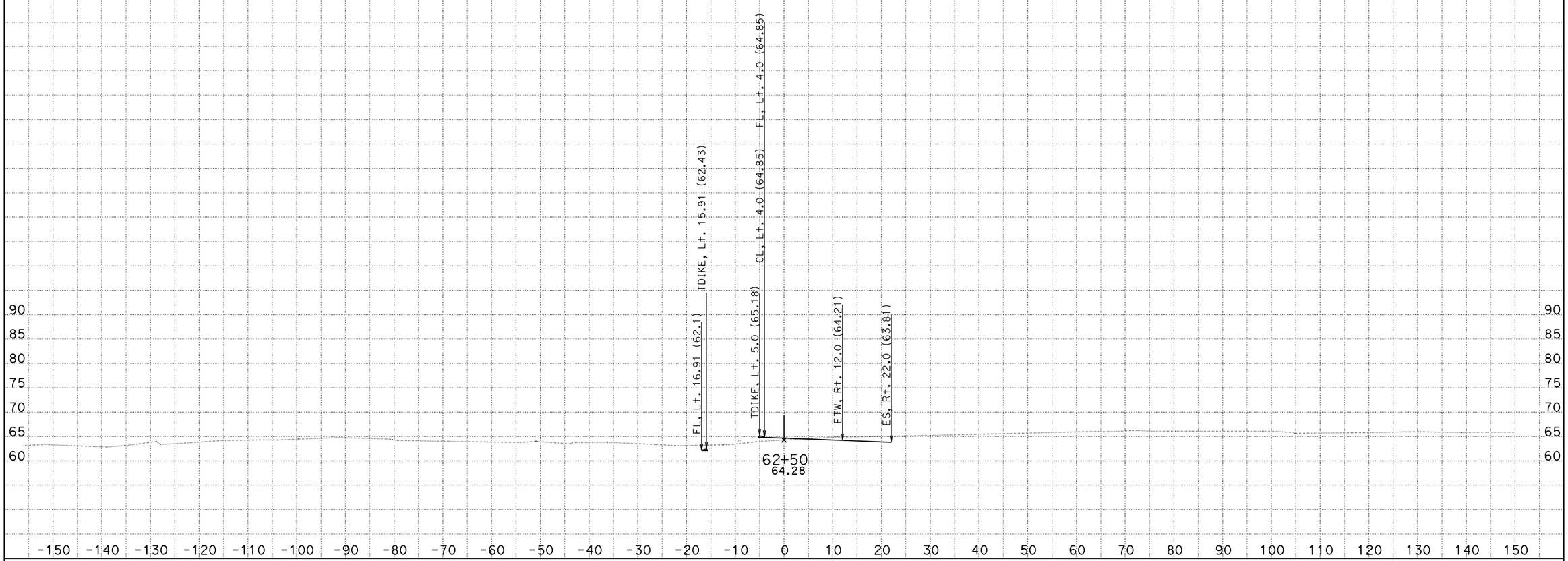
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 72 OF 180

DESIGN STUDY ONLY



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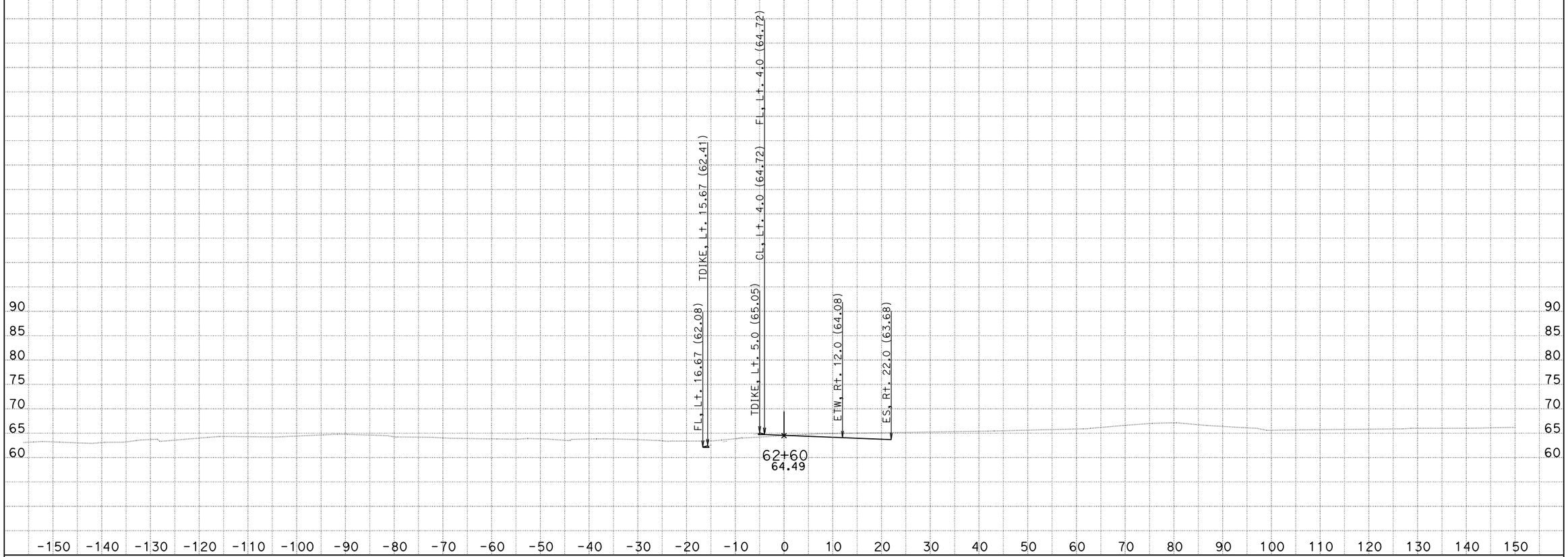
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 73 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

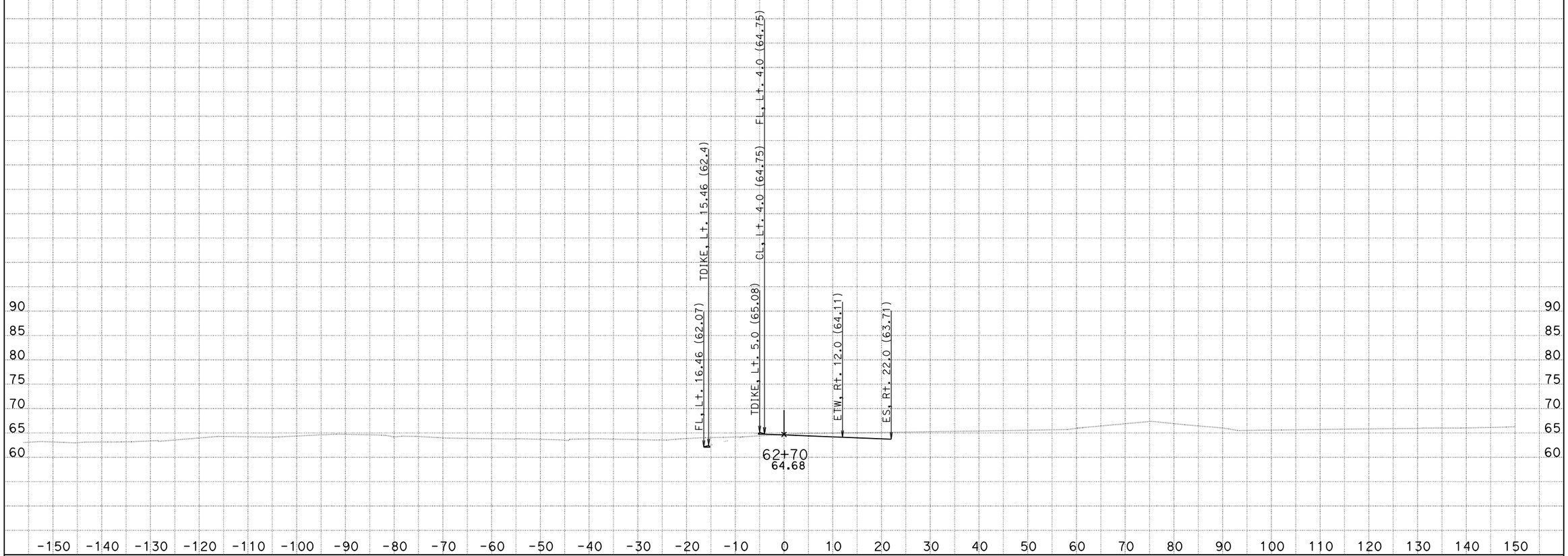
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 74 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

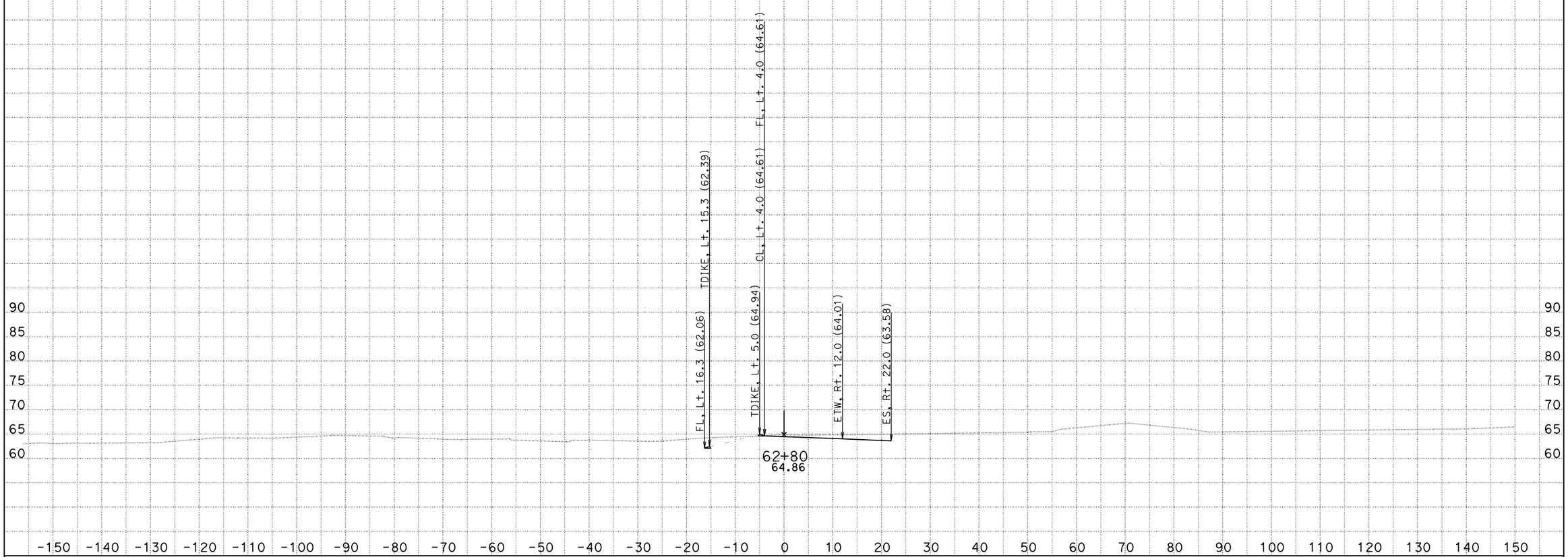
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 75 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

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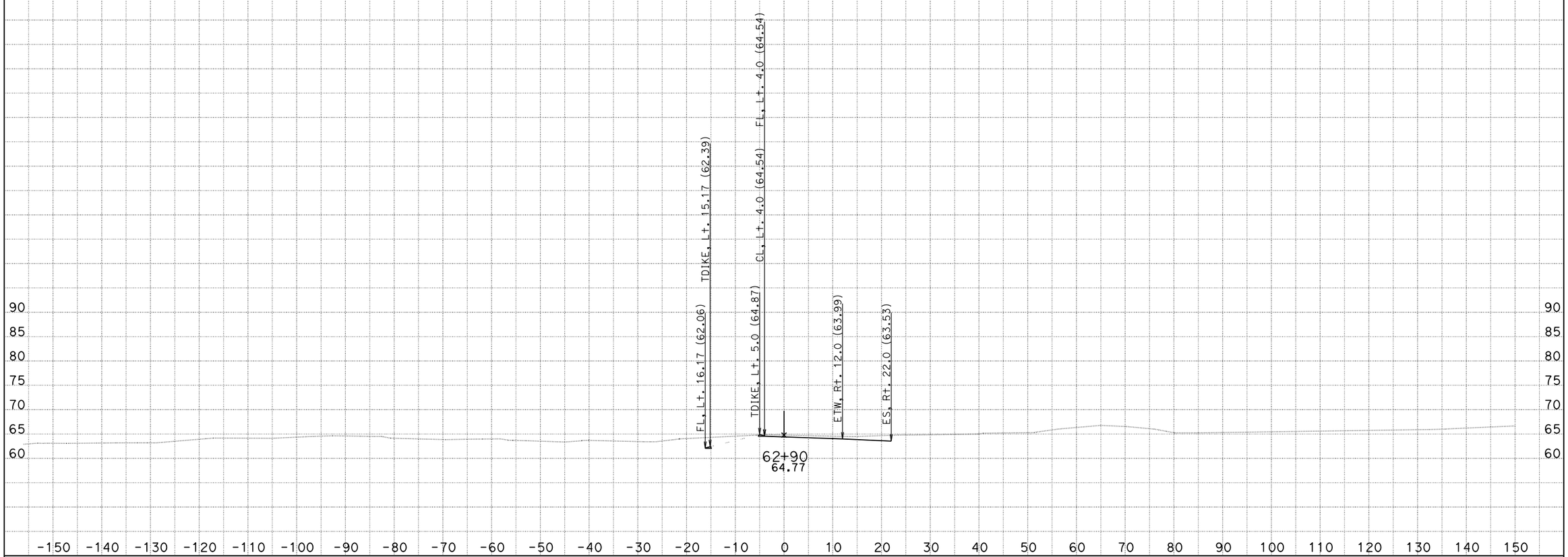
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 76 OF 180

DESIGN STUDY ONLY



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Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

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PROJECT ID: 0700001832

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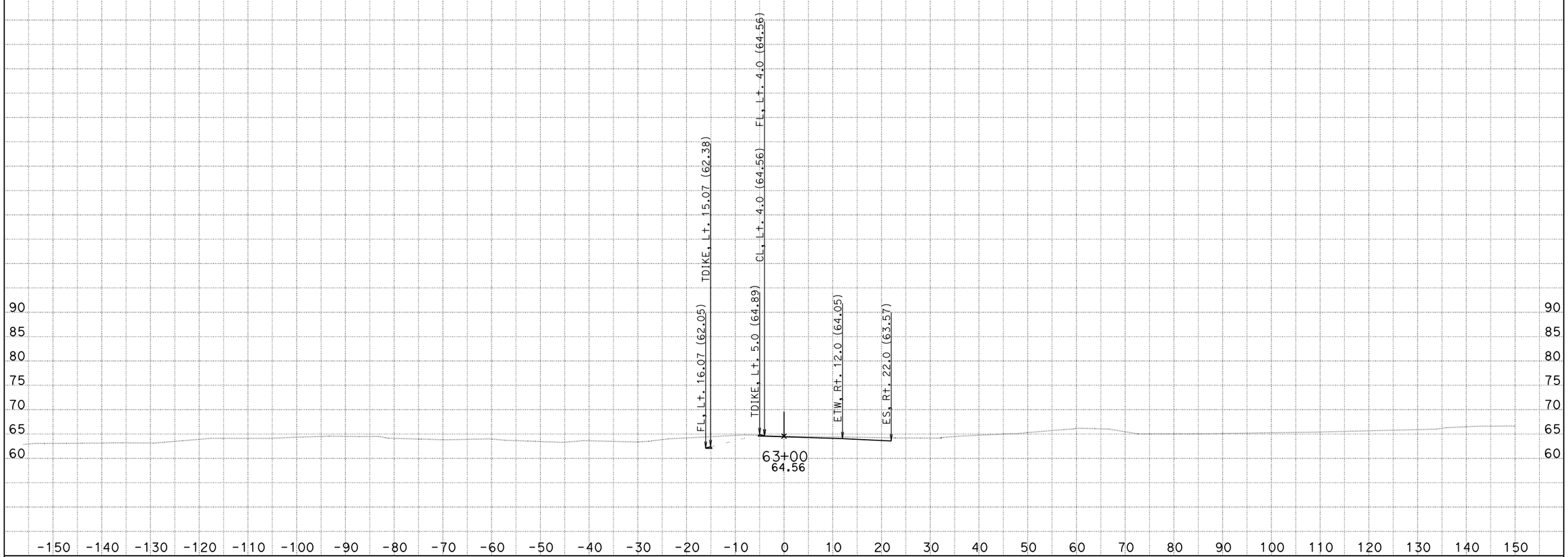
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 77 OF 180

DESIGN STUDY ONLY



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PROJECT ID: 0700001832

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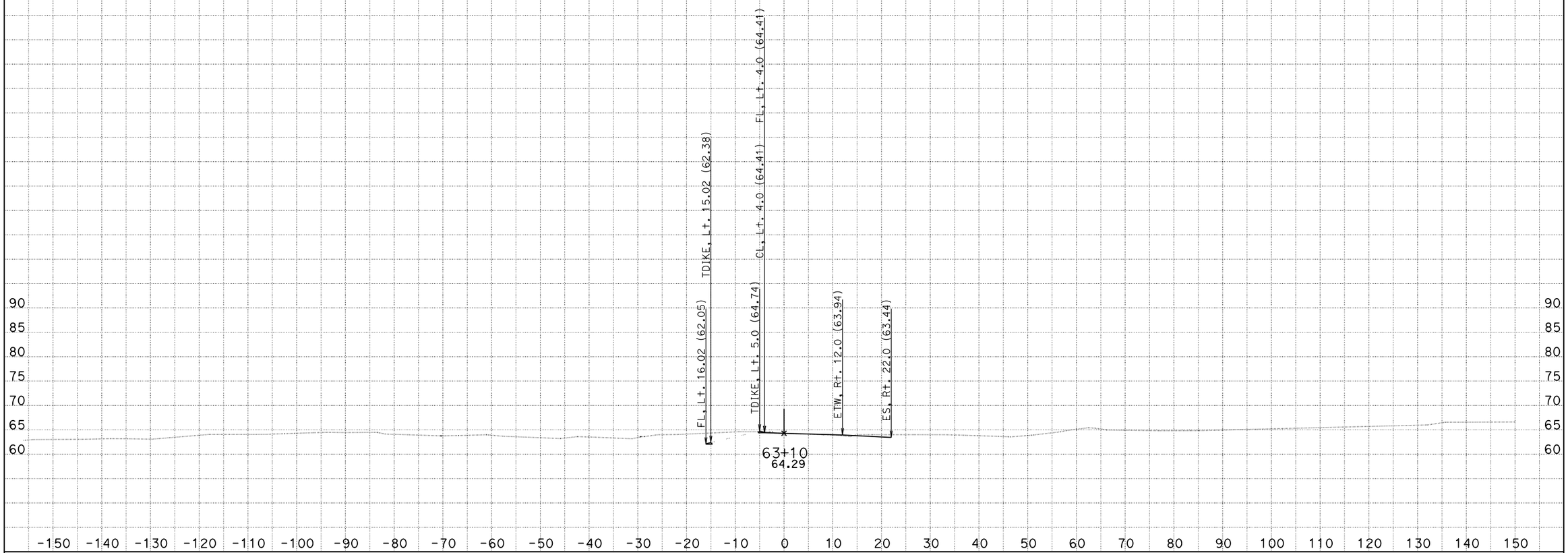
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 78 OF 180

DESIGN STUDY ONLY



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PROJECT ID: 0700001832

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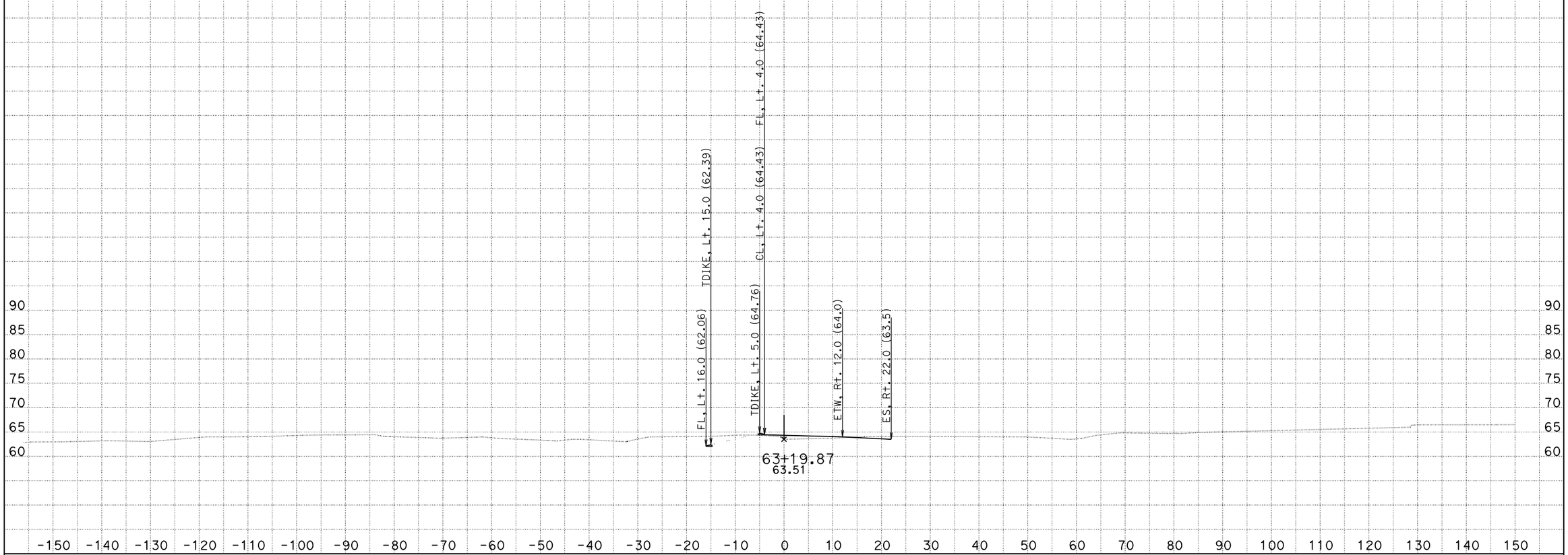
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 79 OF 180

DESIGN STUDY ONLY



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PROJECT ID: 0700001832

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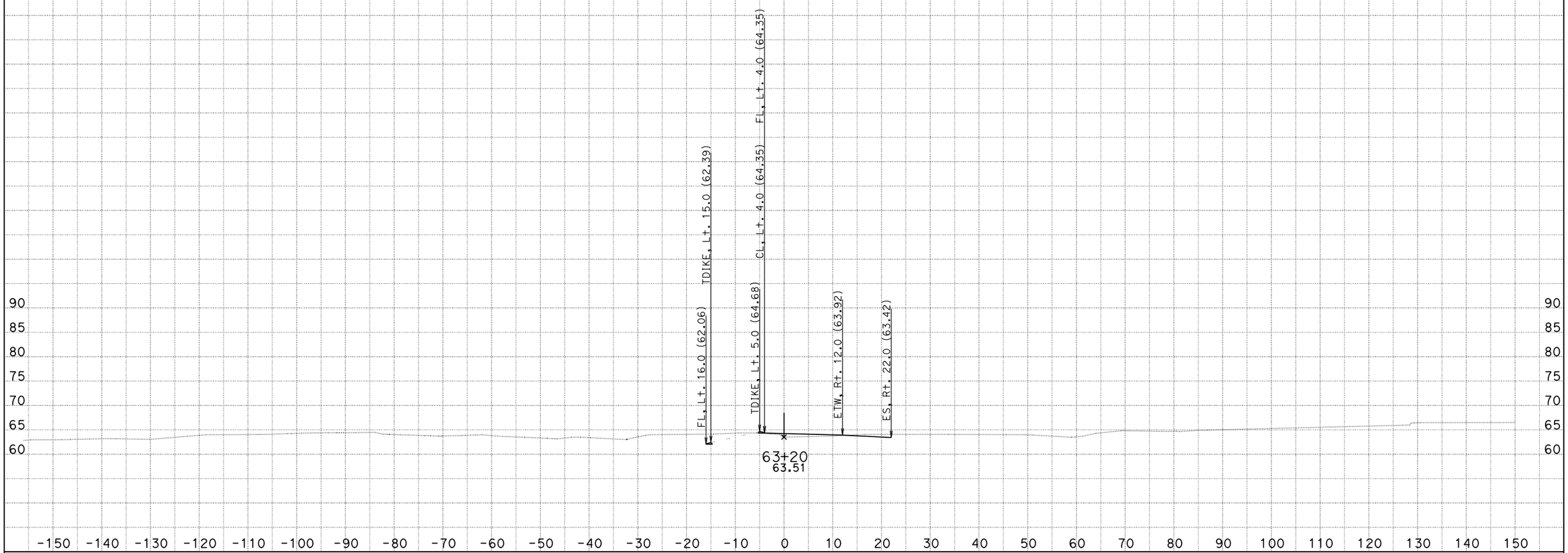
All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 80 OF 180

DESIGN STUDY ONLY



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PROJECT ID: 0700001832

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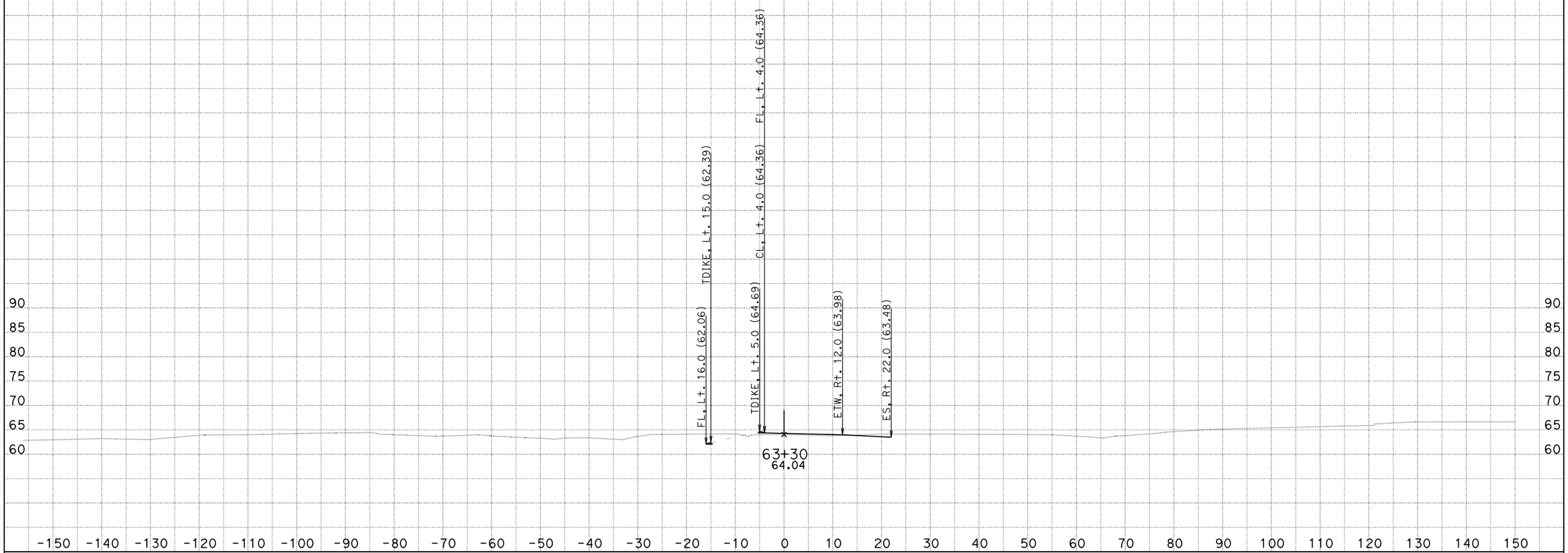
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 81 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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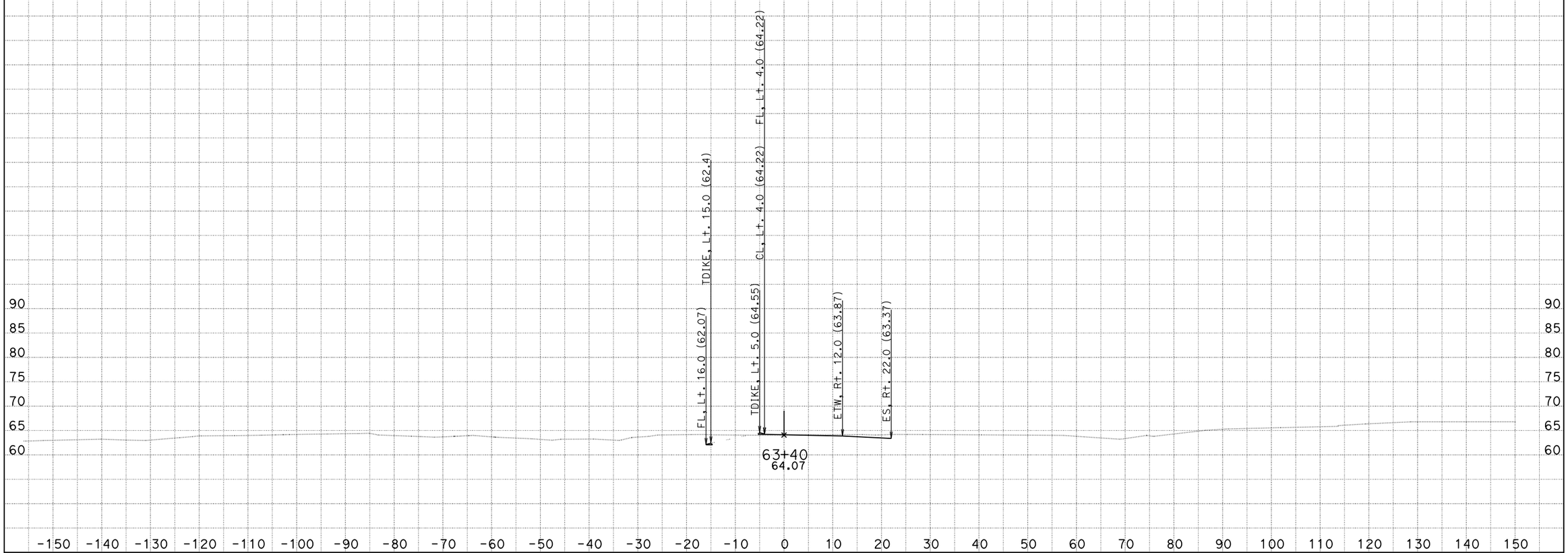
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 82 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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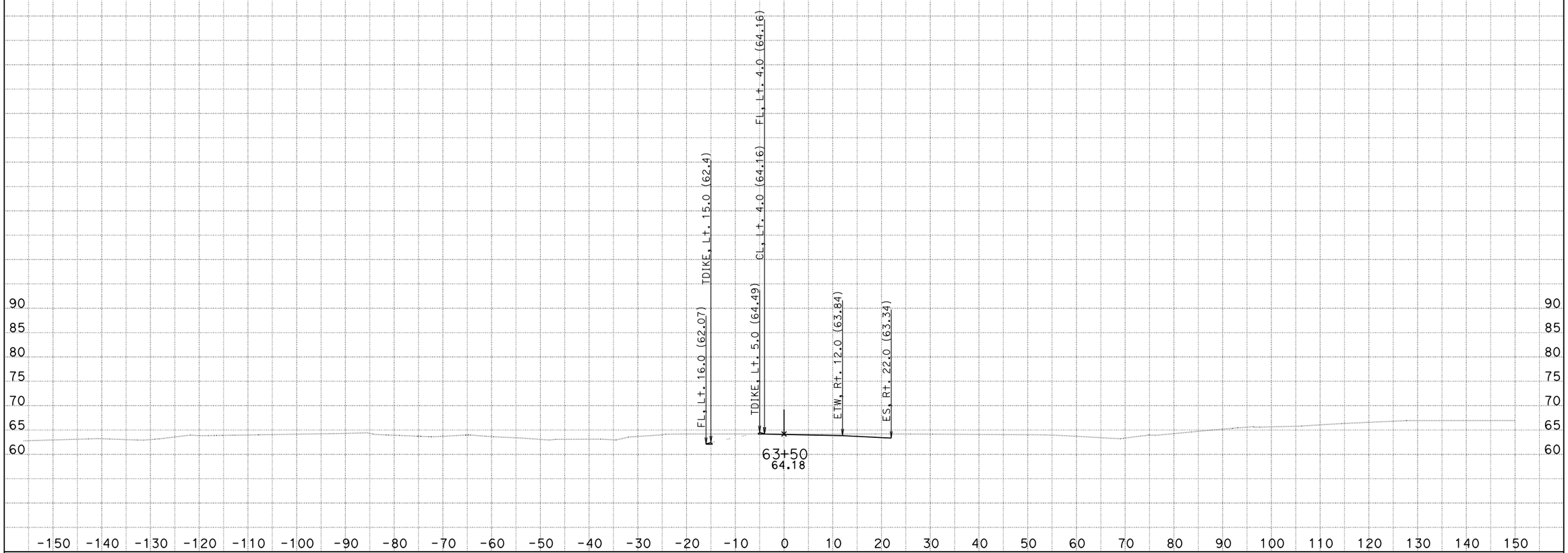
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 83 OF 180

DESIGN STUDY ONLY



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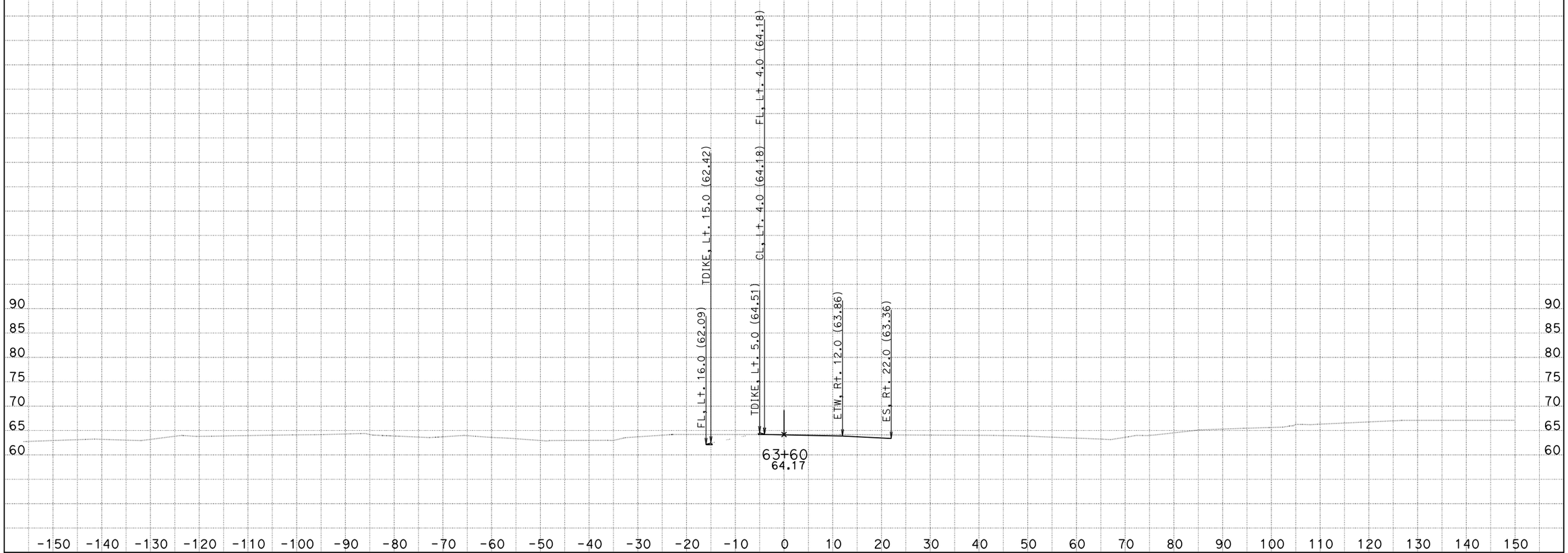
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 84 OF 180

DESIGN STUDY ONLY



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PROJECT ID: 0700001832

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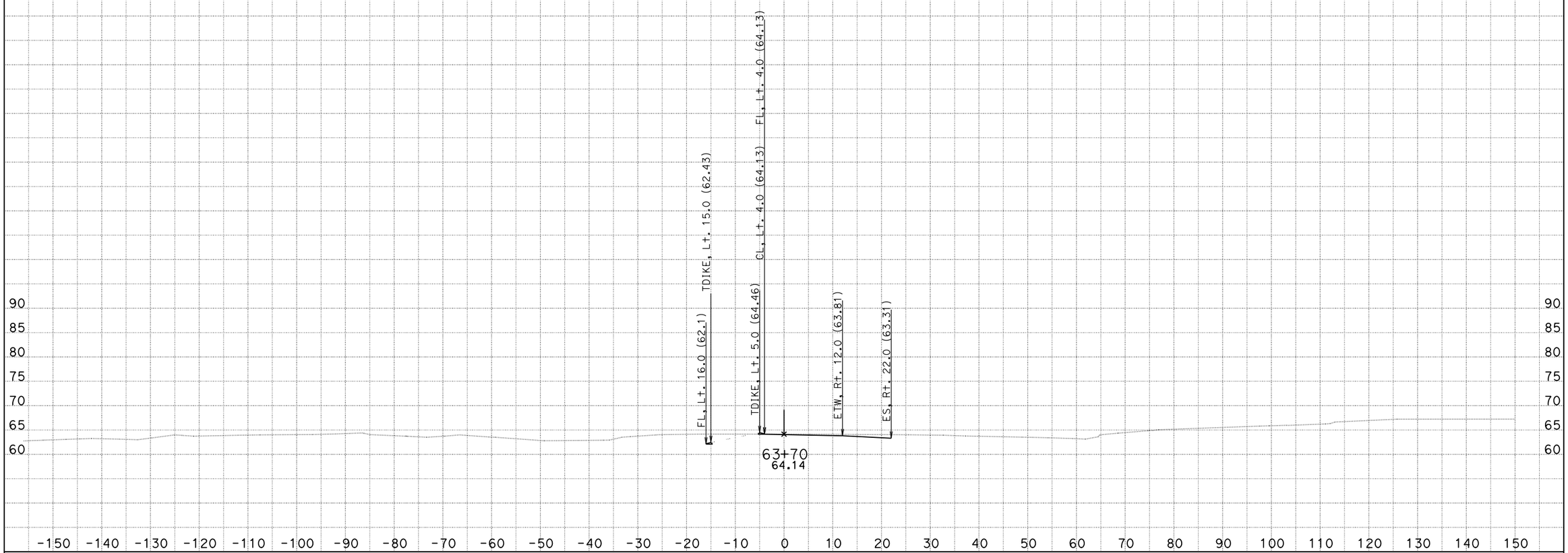
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 85 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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PROJECT ID: 0700001832

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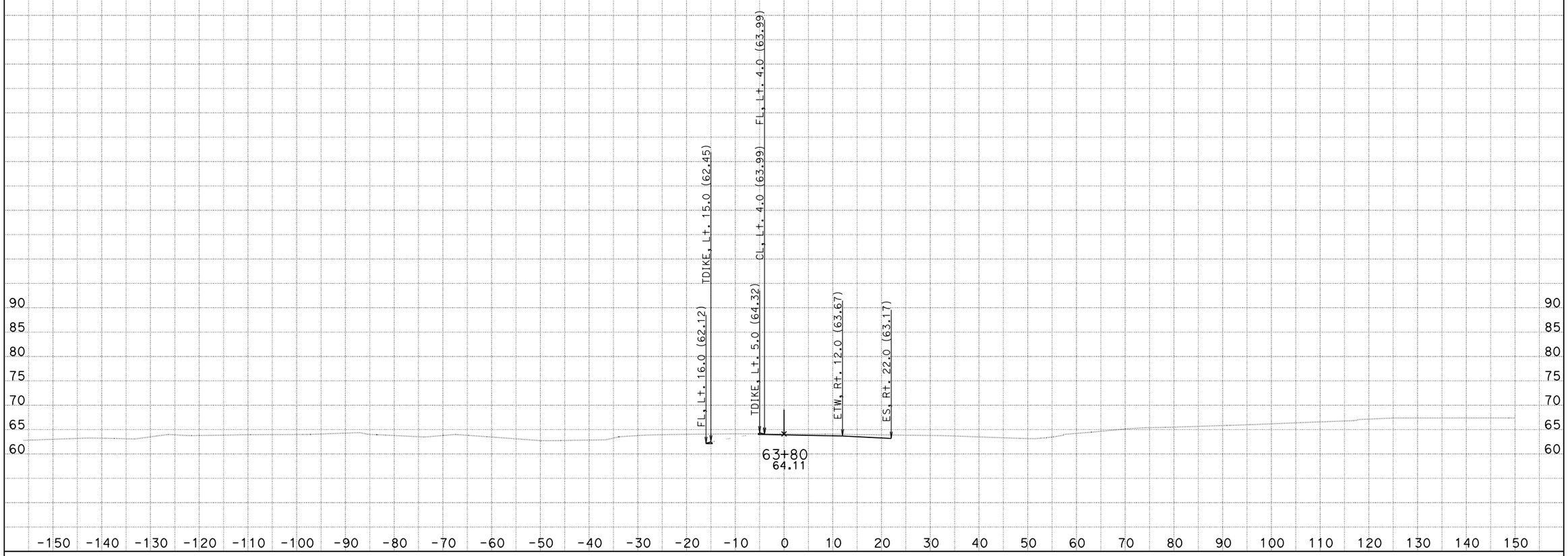
All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 86 OF 180

DESIGN STUDY ONLY



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PROJECT ID: 0700001832

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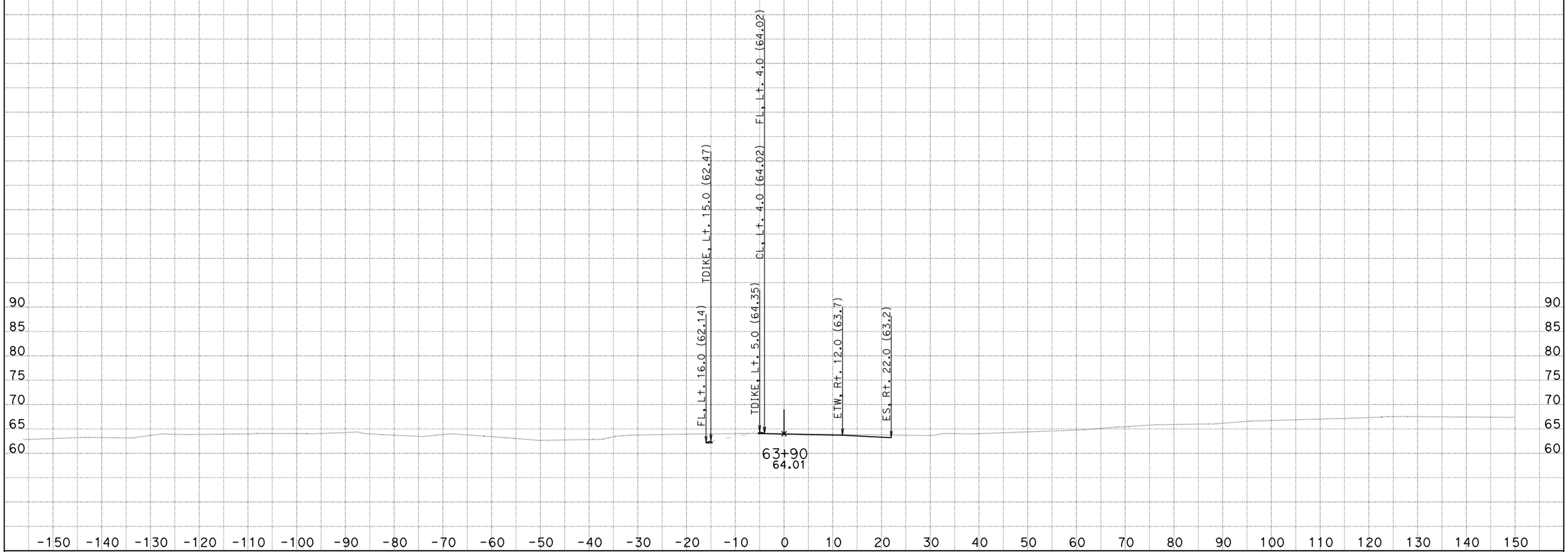
VA4
CROSS SECTIONS
SHEET 87 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

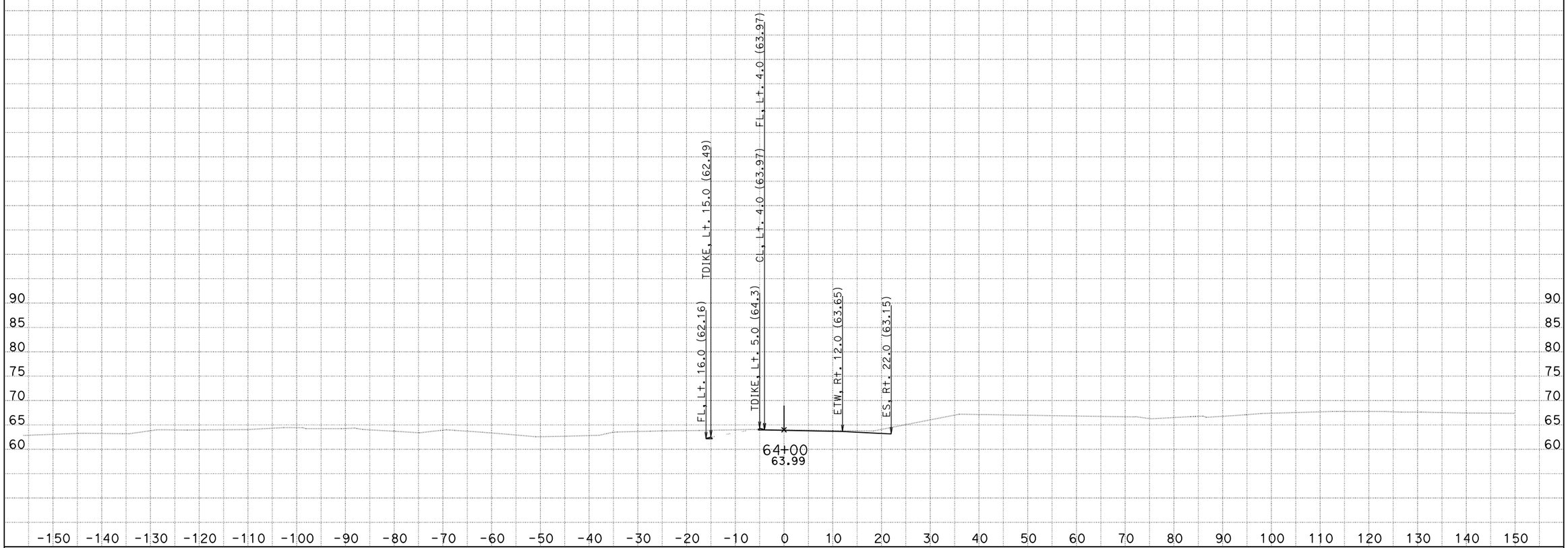
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 88 OF 180

DESIGN STUDY ONLY



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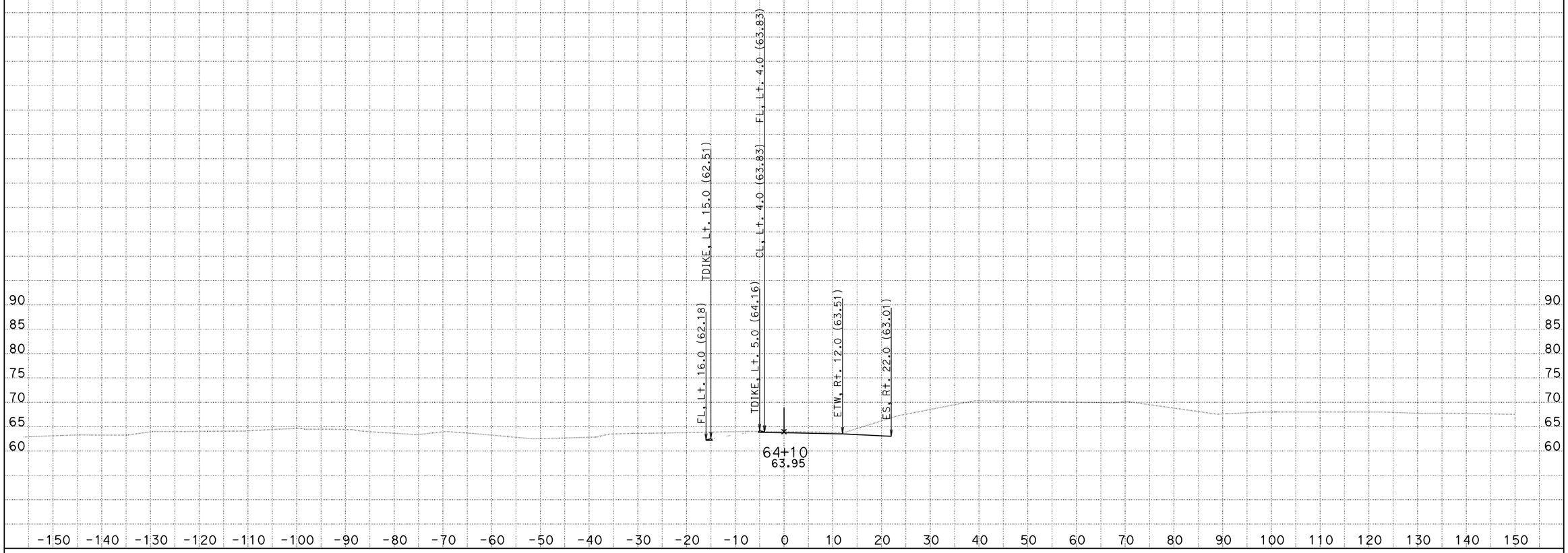
VA4
CROSS SECTIONS
SHEET 89 OF 180

DESIGN STUDY ONLY



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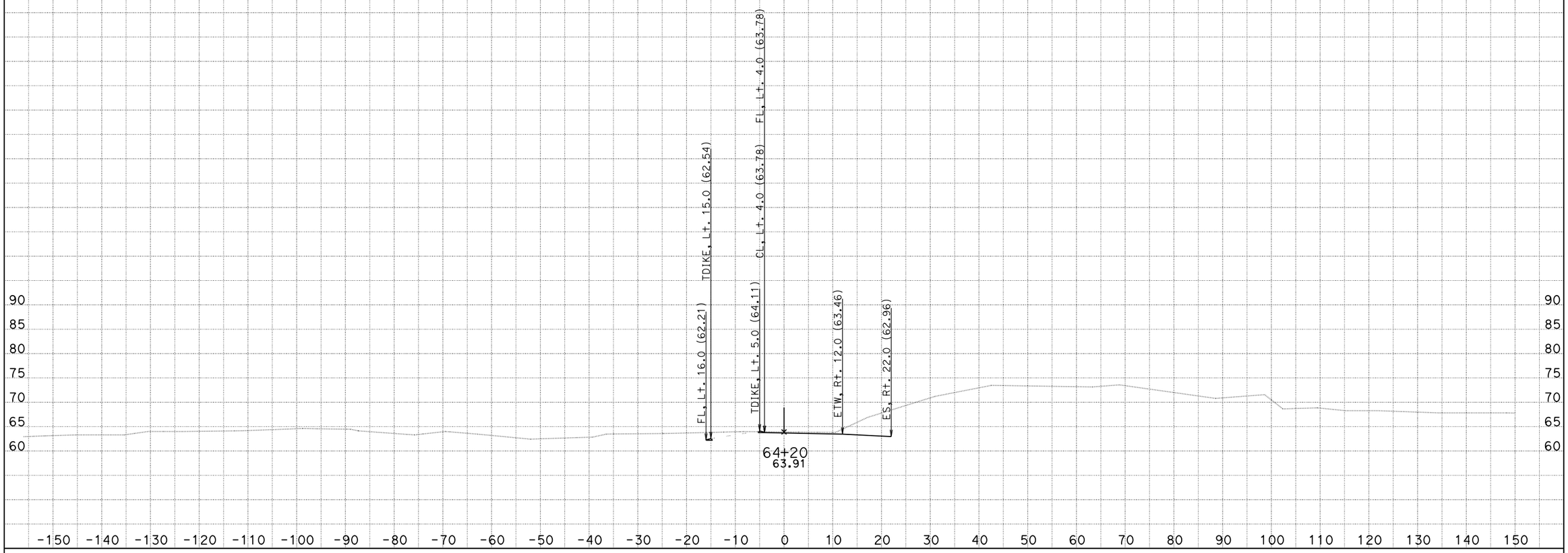
VA4
CROSS SECTIONS
SHEET 90 OF 180

DESIGN STUDY ONLY



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VA4
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SHEET 91 OF 180

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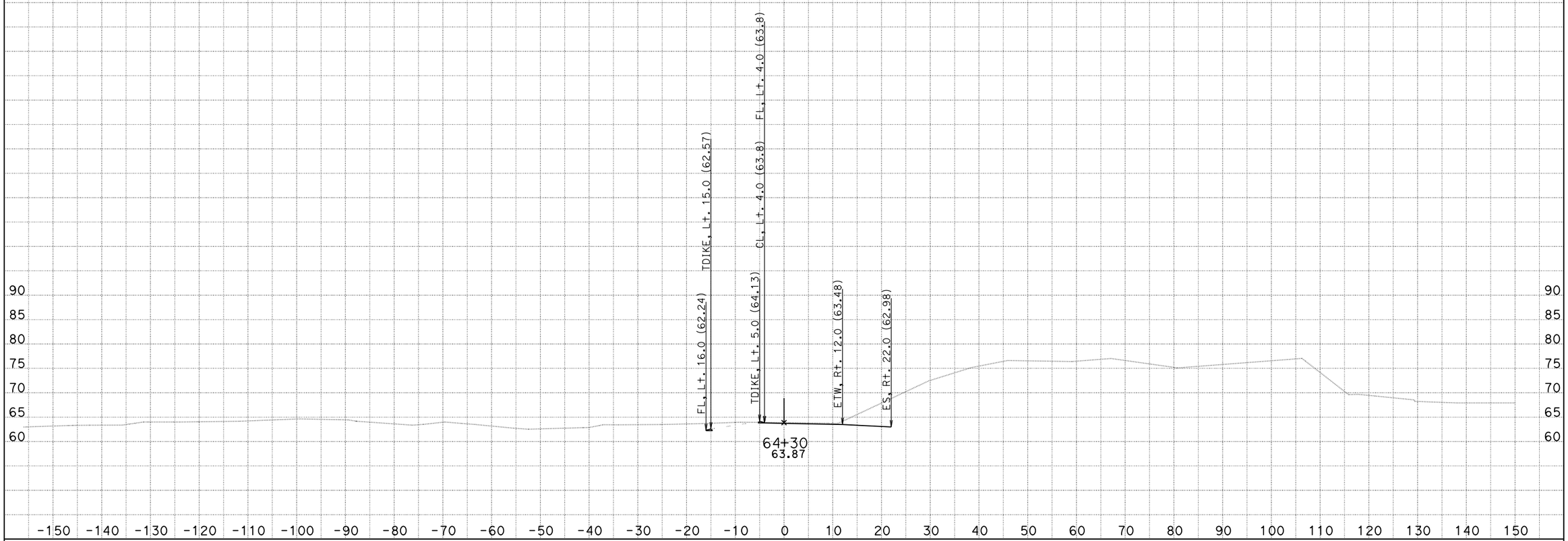

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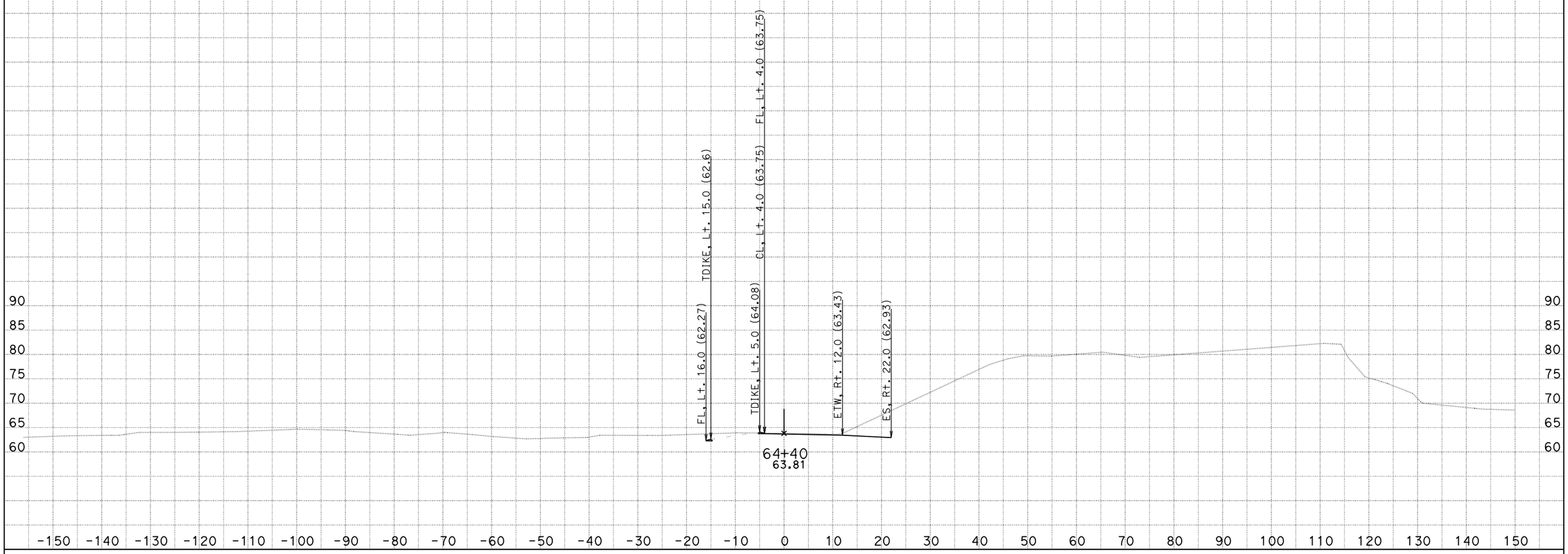
VA4
CROSS SECTIONS
SHEET 92 OF 180

DESIGN STUDY ONLY



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VA4
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SHEET 93 OF 180

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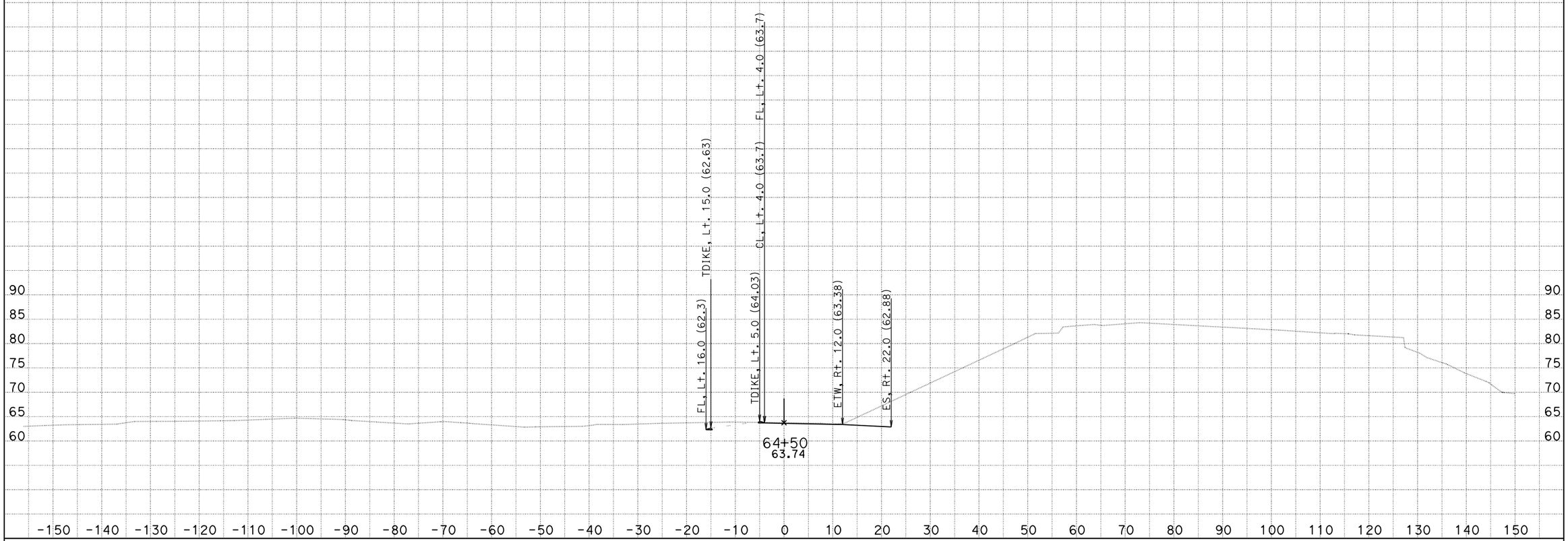

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VA4
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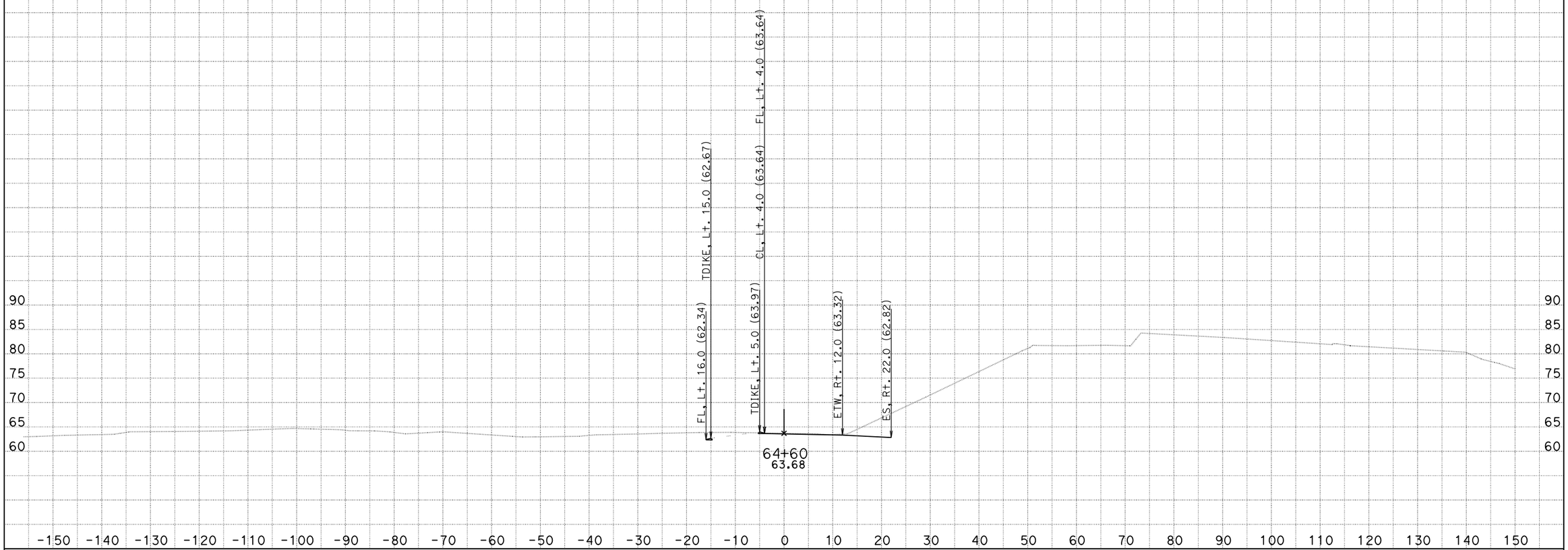
SHEET 94 OF 180

DESIGN STUDY ONLY



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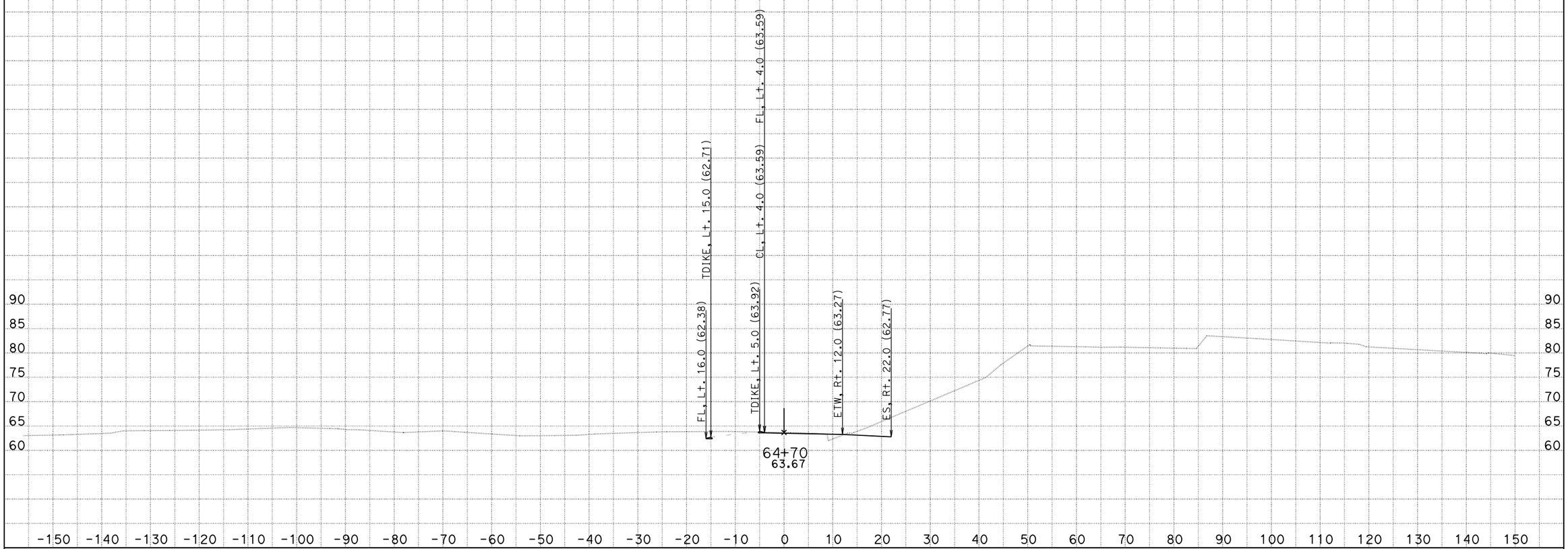
VA4
CROSS SECTIONS
SHEET 95 OF 180

DESIGN STUDY ONLY



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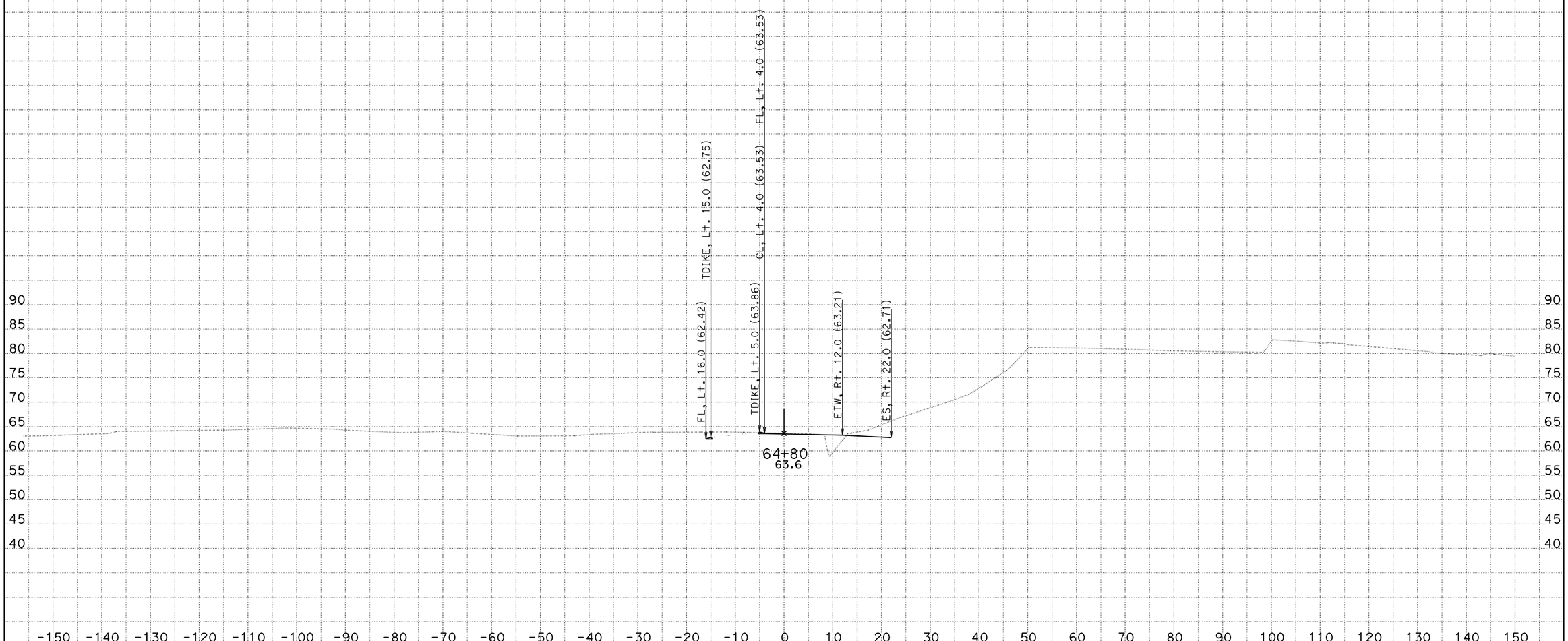
VA4
CROSS SECTIONS
SHEET 96 OF 180

DESIGN STUDY ONLY



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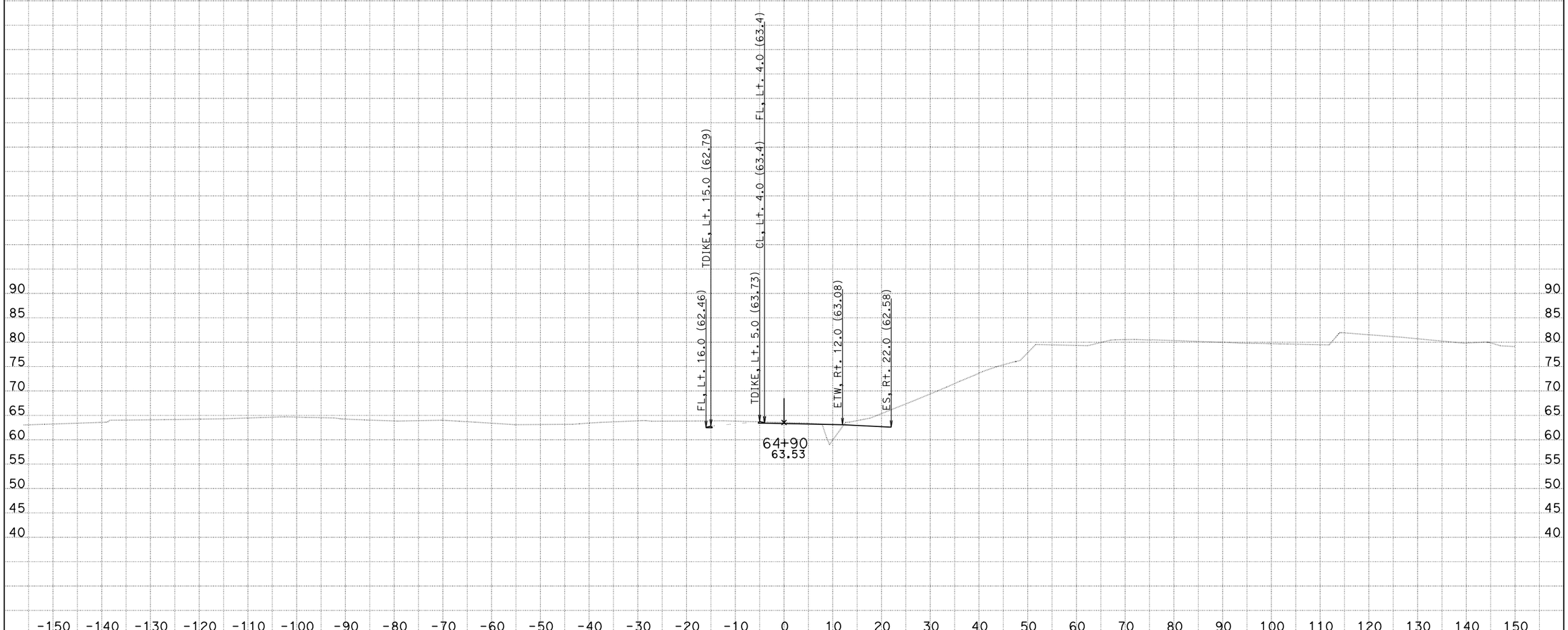
VA4
CROSS SECTIONS
SHEET 97 OF 180

DESIGN STUDY ONLY



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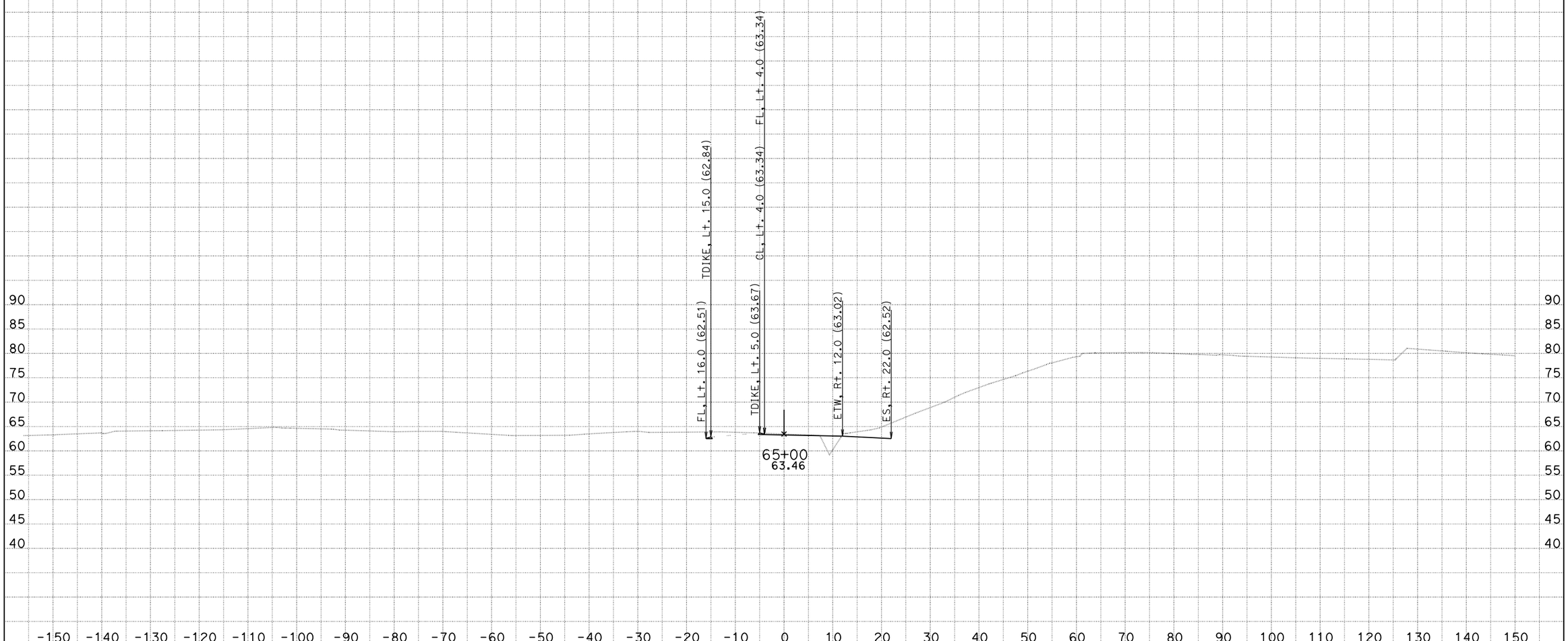
VA4
CROSS SECTIONS
SHEET 98 OF 180

DESIGN STUDY ONLY



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VA4
CROSS SECTIONS
SHEET 99 OF 180

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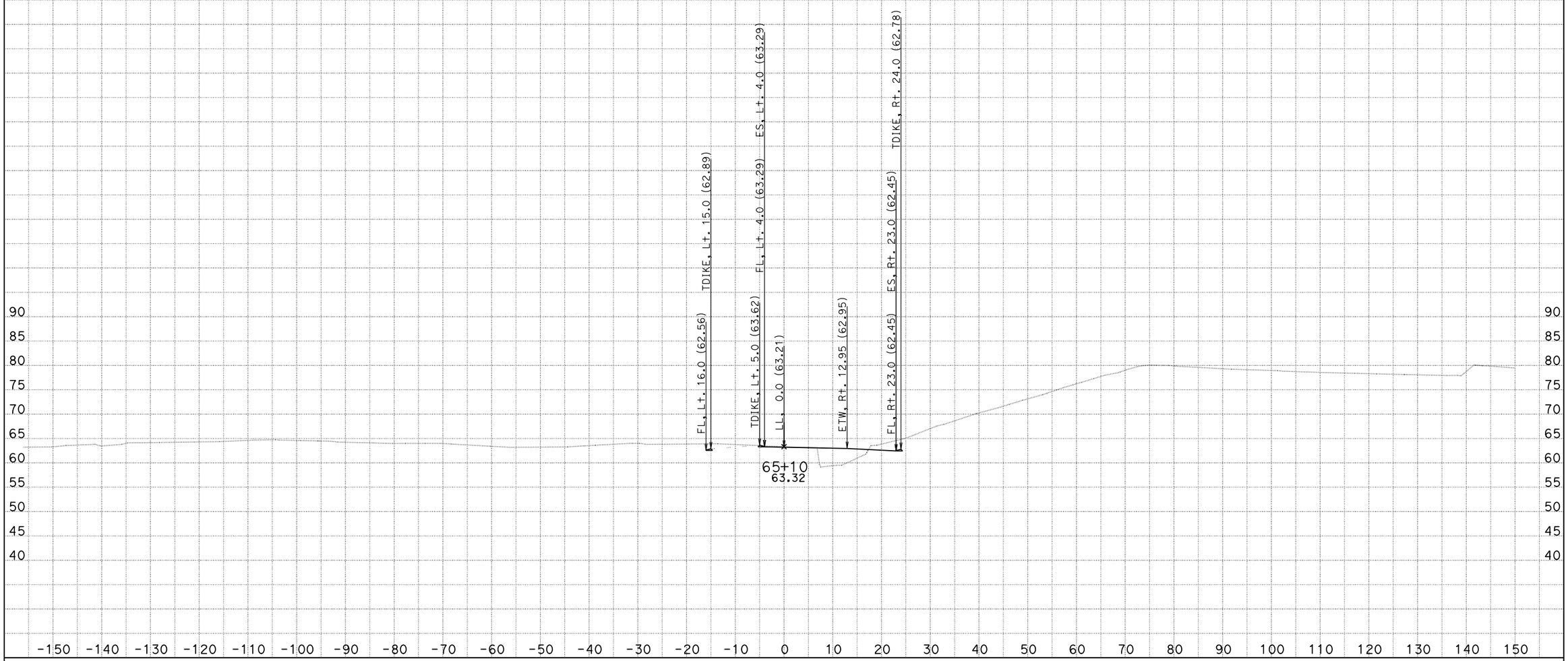

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VA4
CROSS SECTIONS
SHEET 100 OF 180

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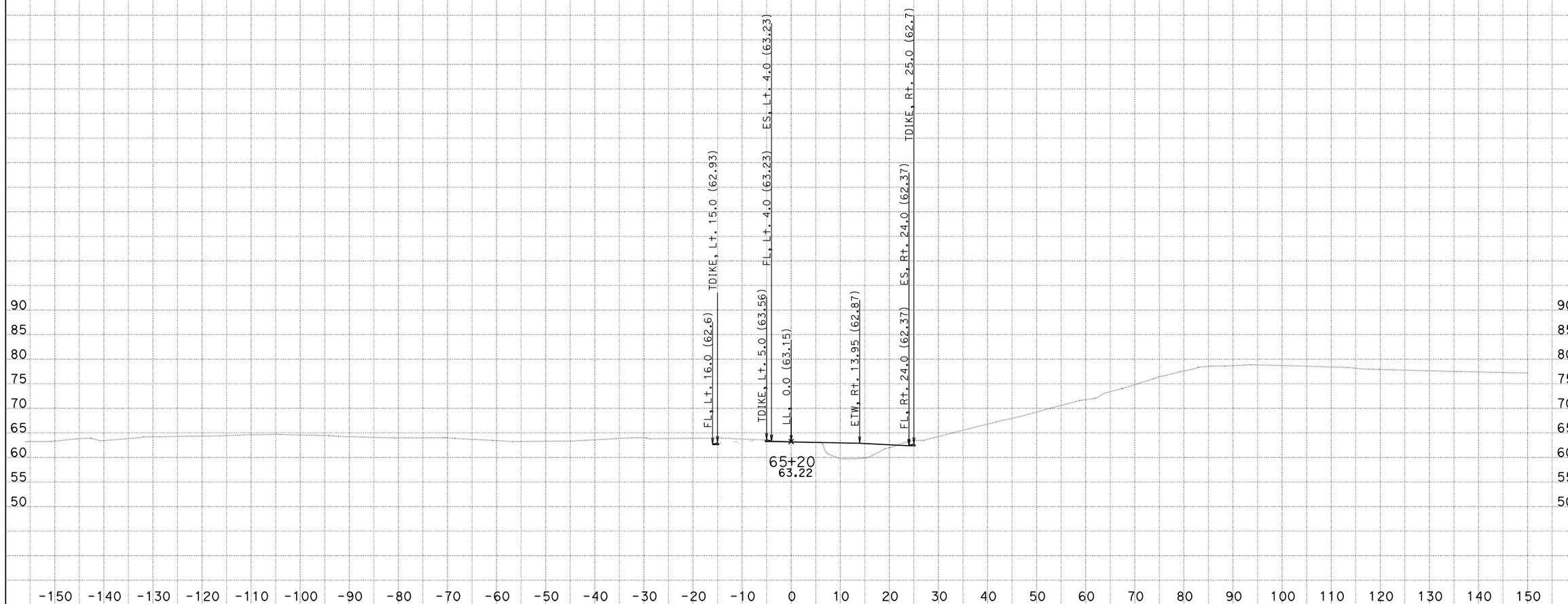

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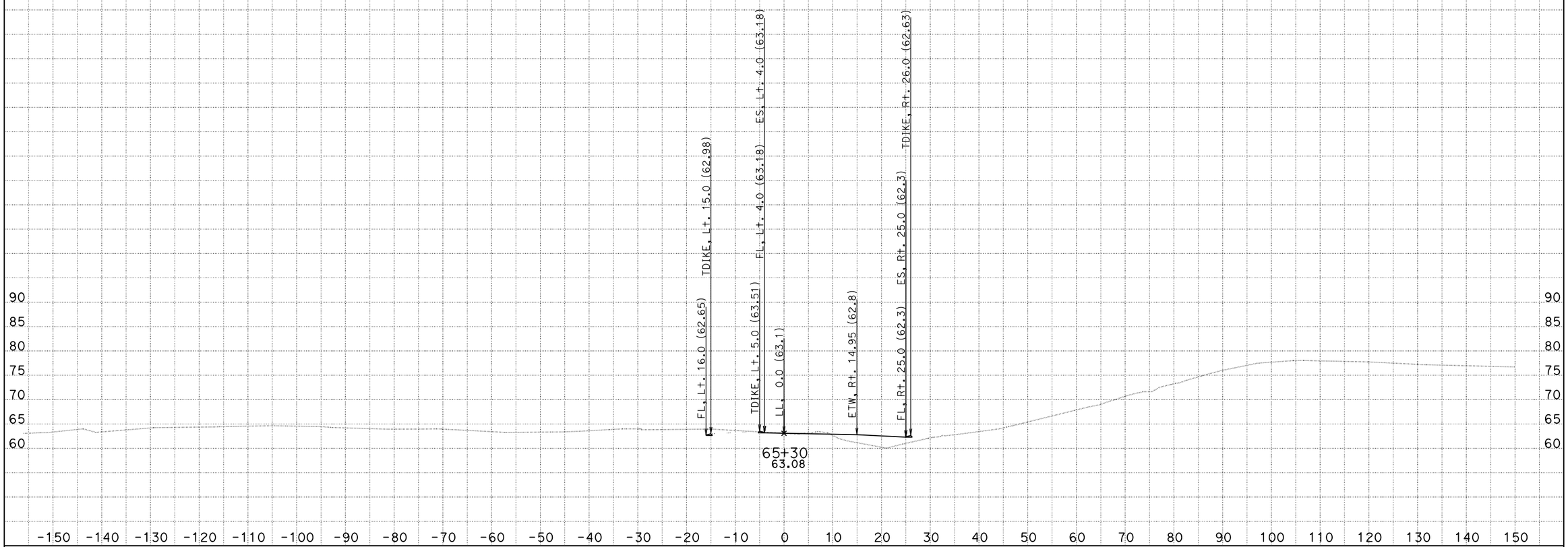
VA4
CROSS SECTIONS
SHEET 101 OF 180

DESIGN STUDY ONLY



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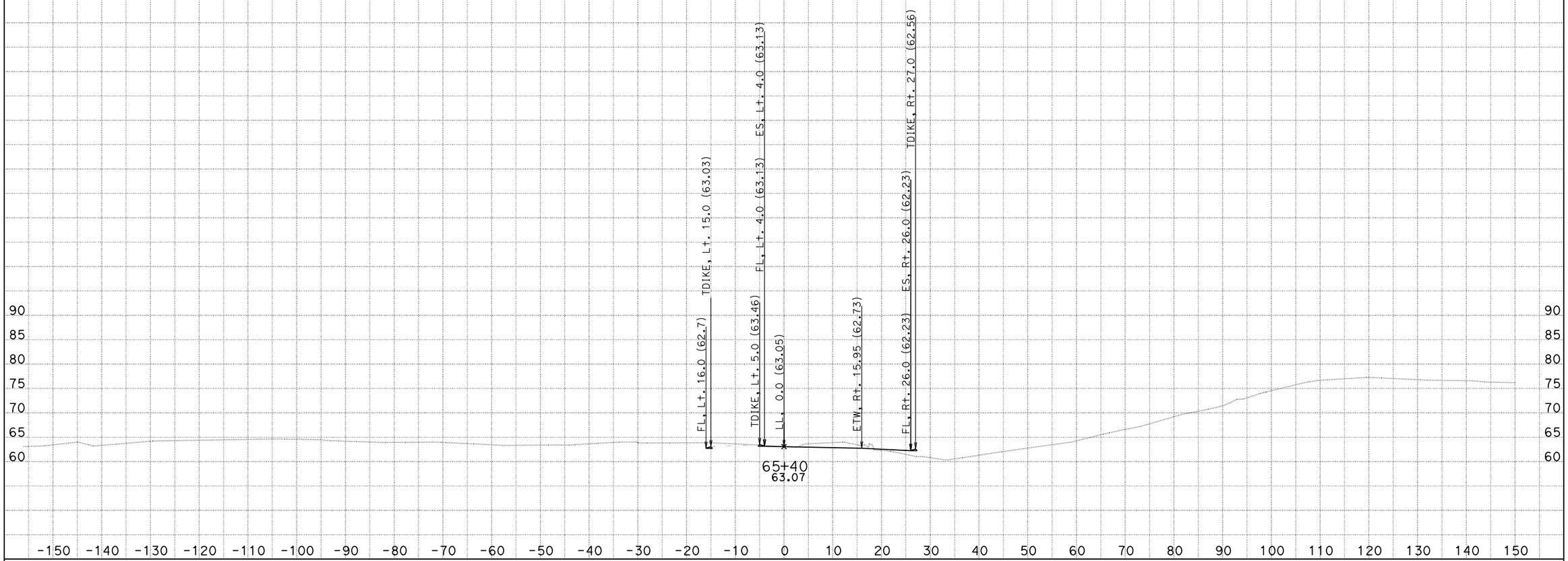
VA4
CROSS SECTIONS
SHEET 102 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
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PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
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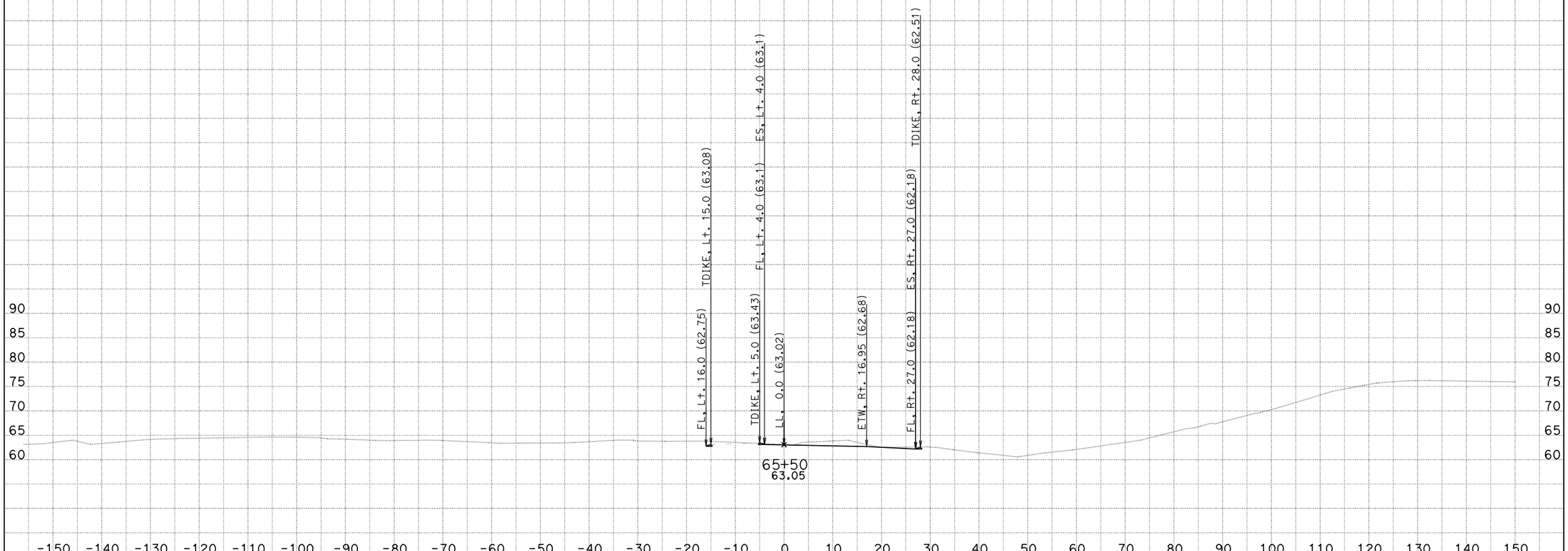
VA4
CROSS SECTIONS
SHEET 103 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
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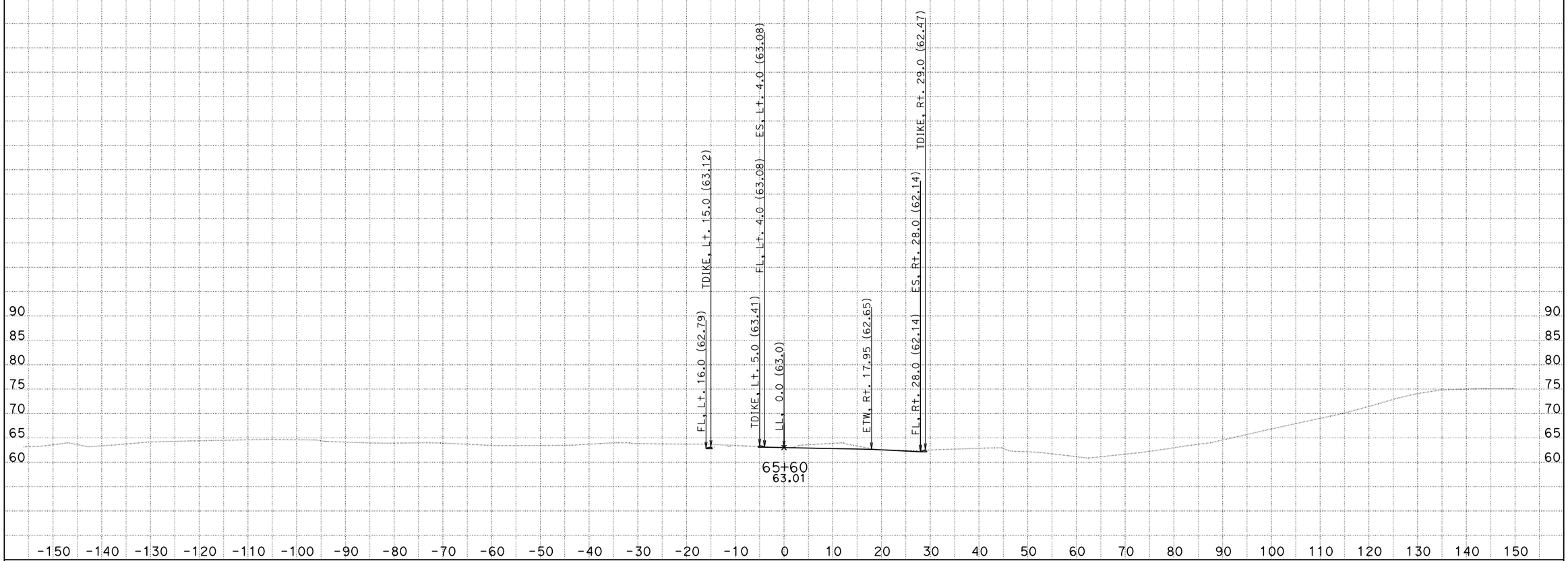
All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 104 OF 180

DESIGN STUDY ONLY



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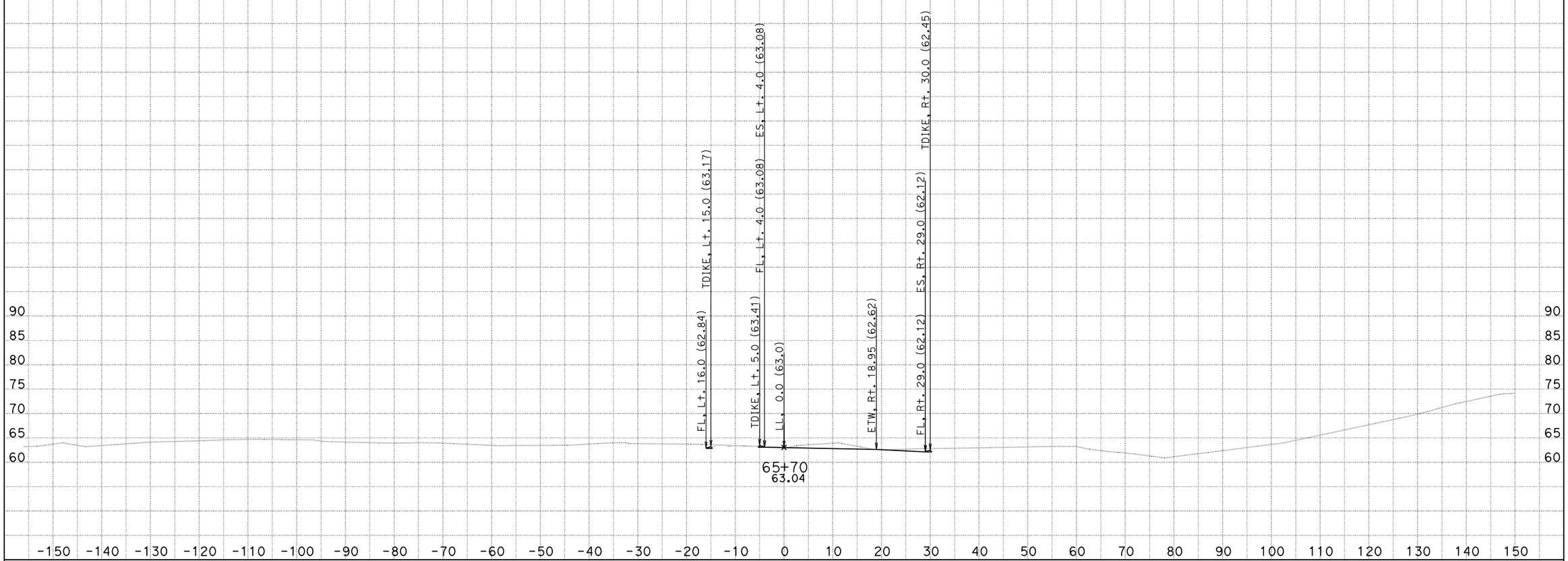
VA4
CROSS SECTIONS
SHEET 105 OF 180

DESIGN STUDY ONLY



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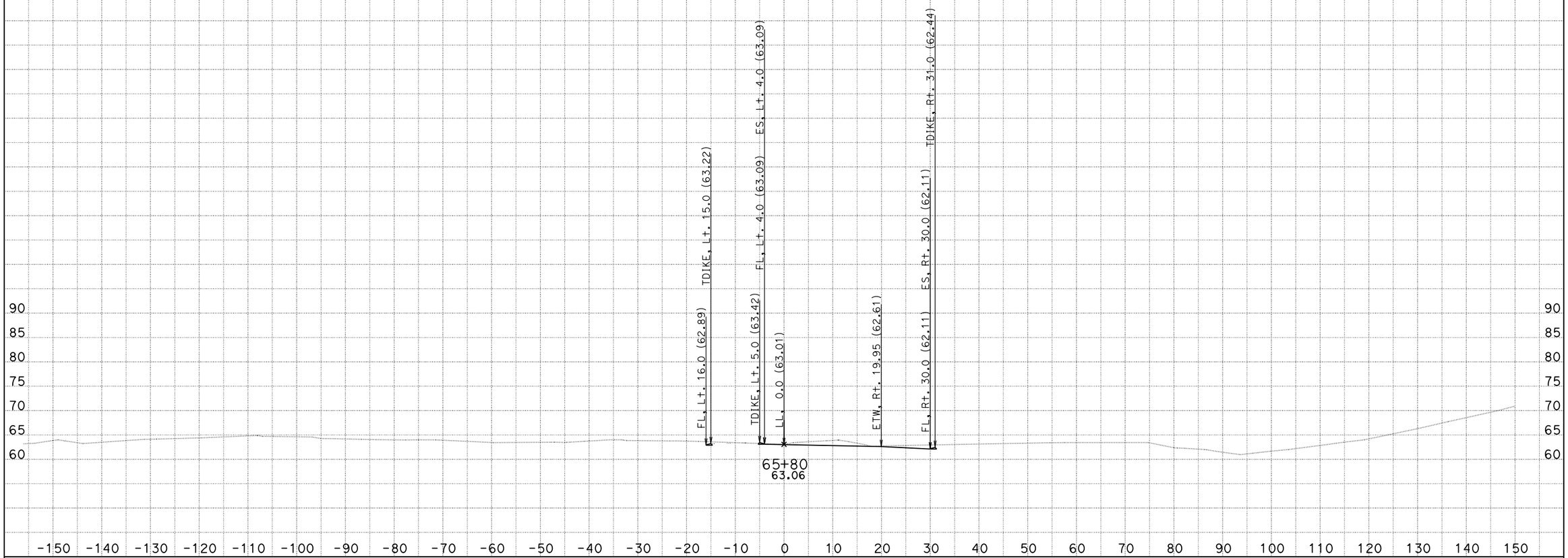
VA4
CROSS SECTIONS
SHEET 106 OF 180

DESIGN STUDY ONLY



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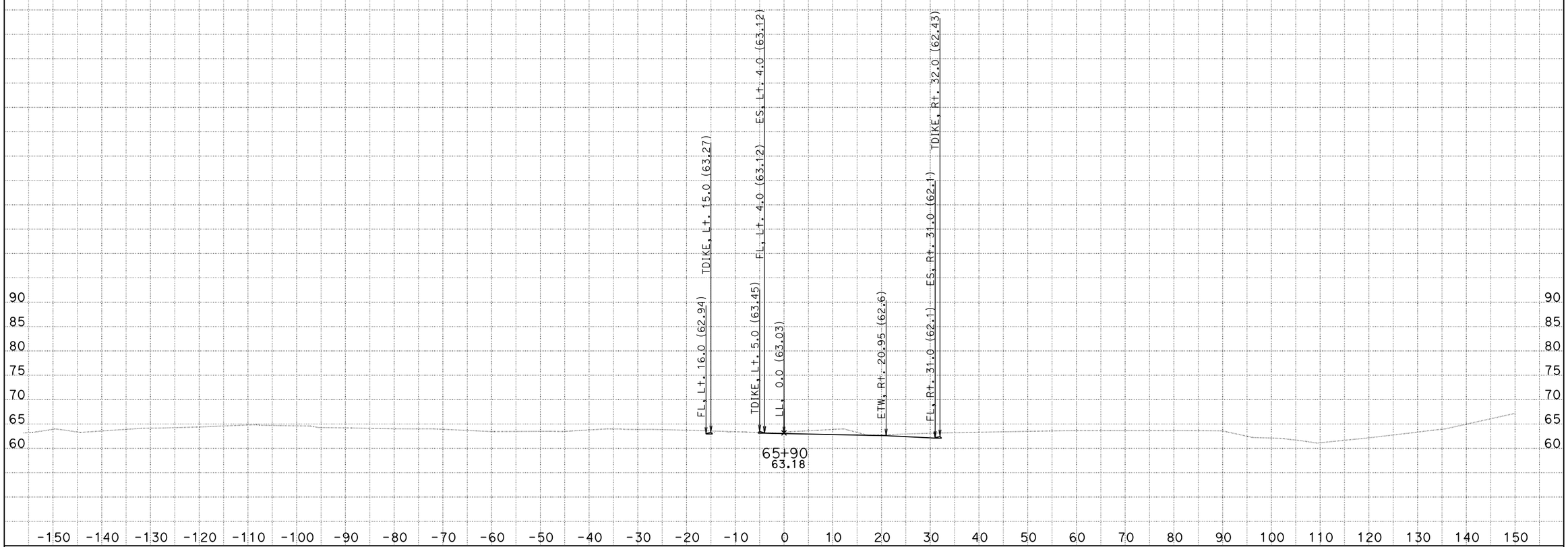
VA4
CROSS SECTIONS
SHEET 107 OF 180

DESIGN STUDY ONLY



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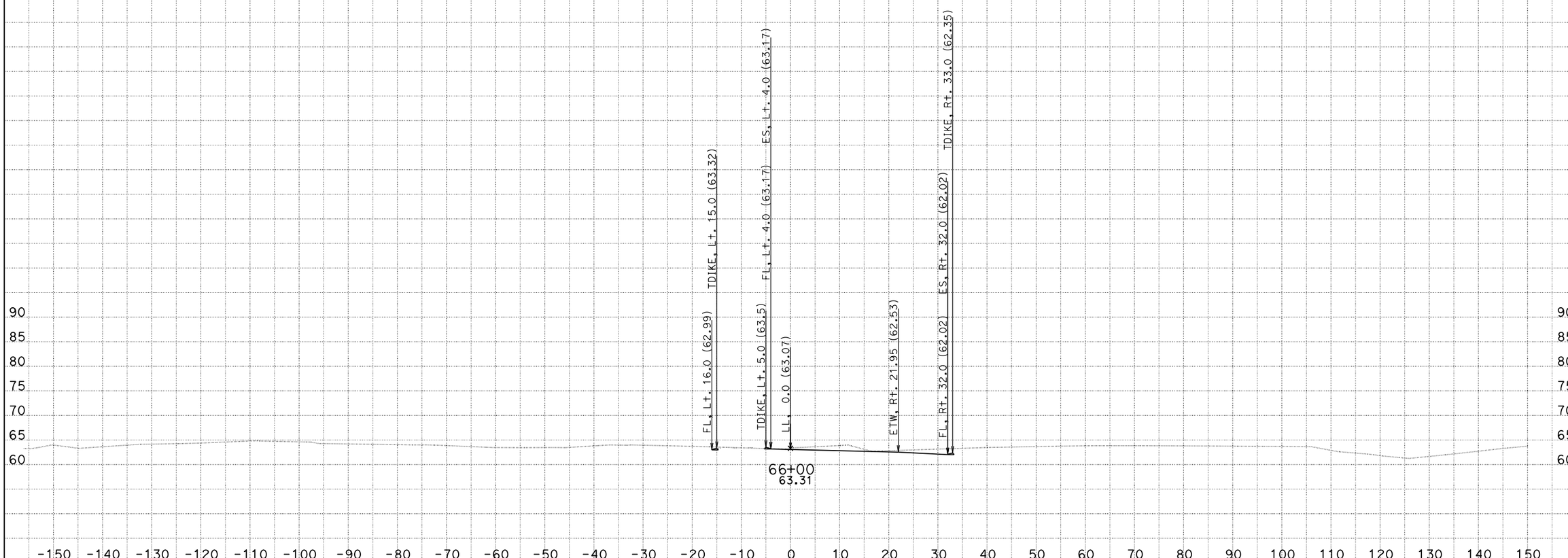
VA4
CROSS SECTIONS
SHEET 108 OF 180

DESIGN STUDY ONLY



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VA4
CROSS SECTIONS
SHEET 109 OF 180

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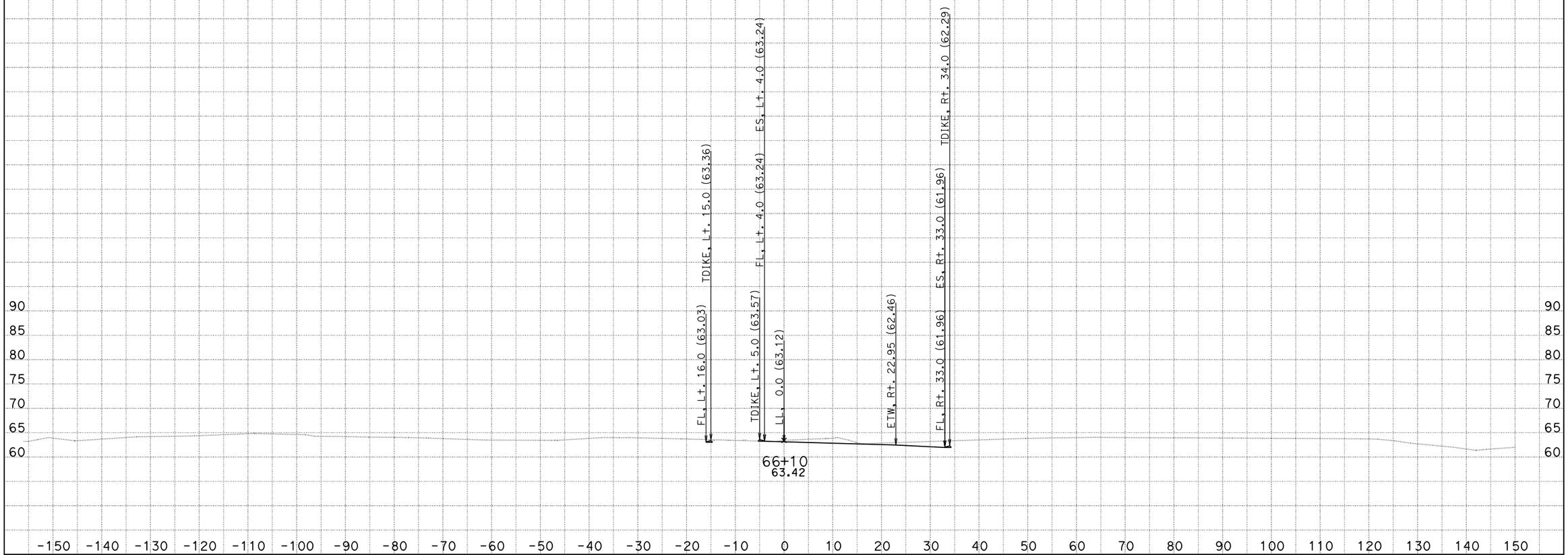

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VA4
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SHEET 110 OF 180

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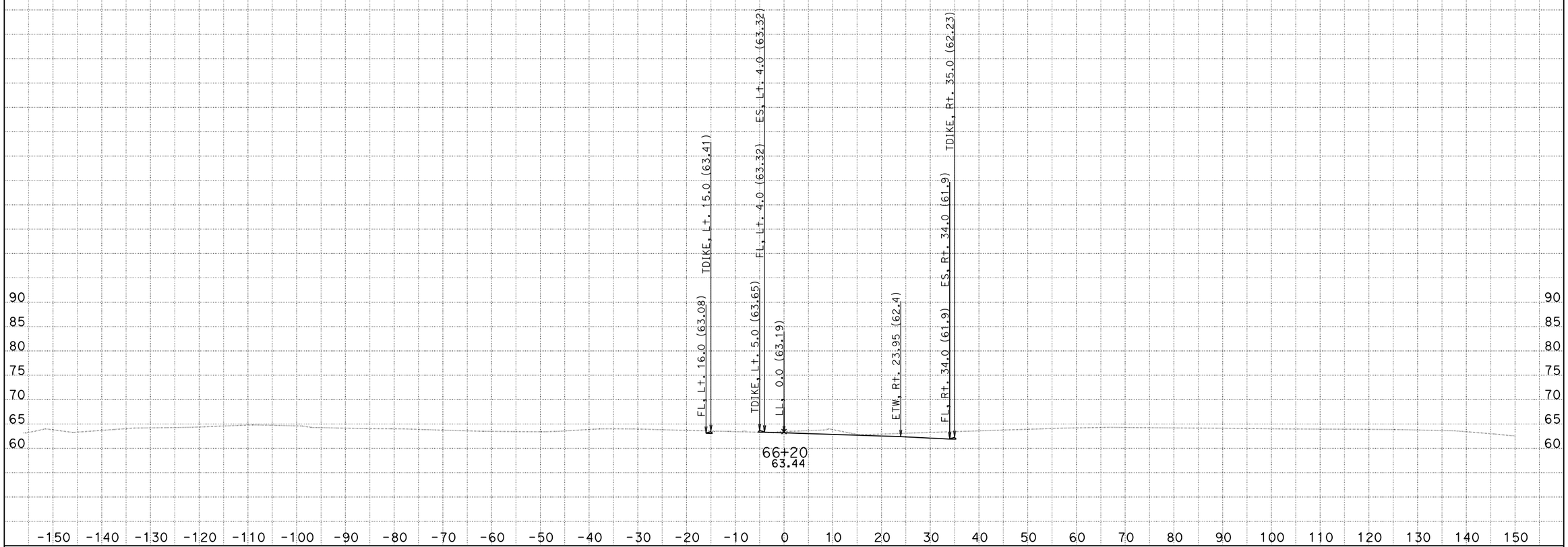

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VA4
CROSS SECTIONS
SHEET 111 OF 180

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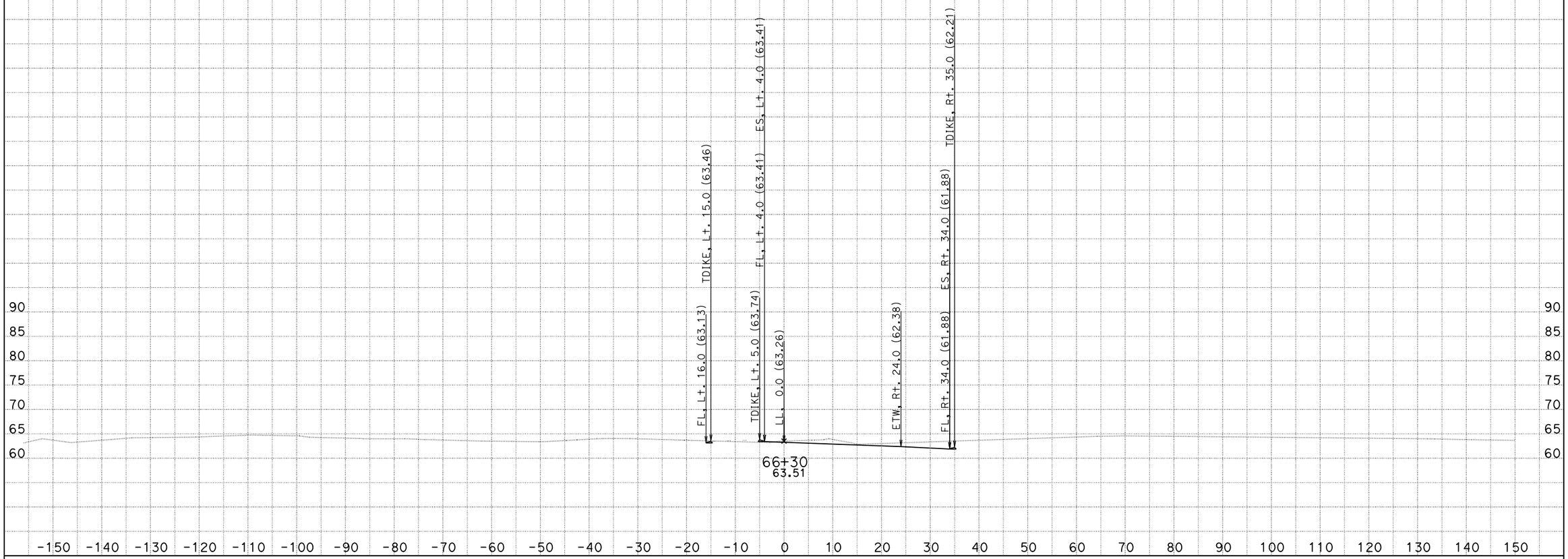

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VA4
CROSS SECTIONS
SHEET 112 OF 180

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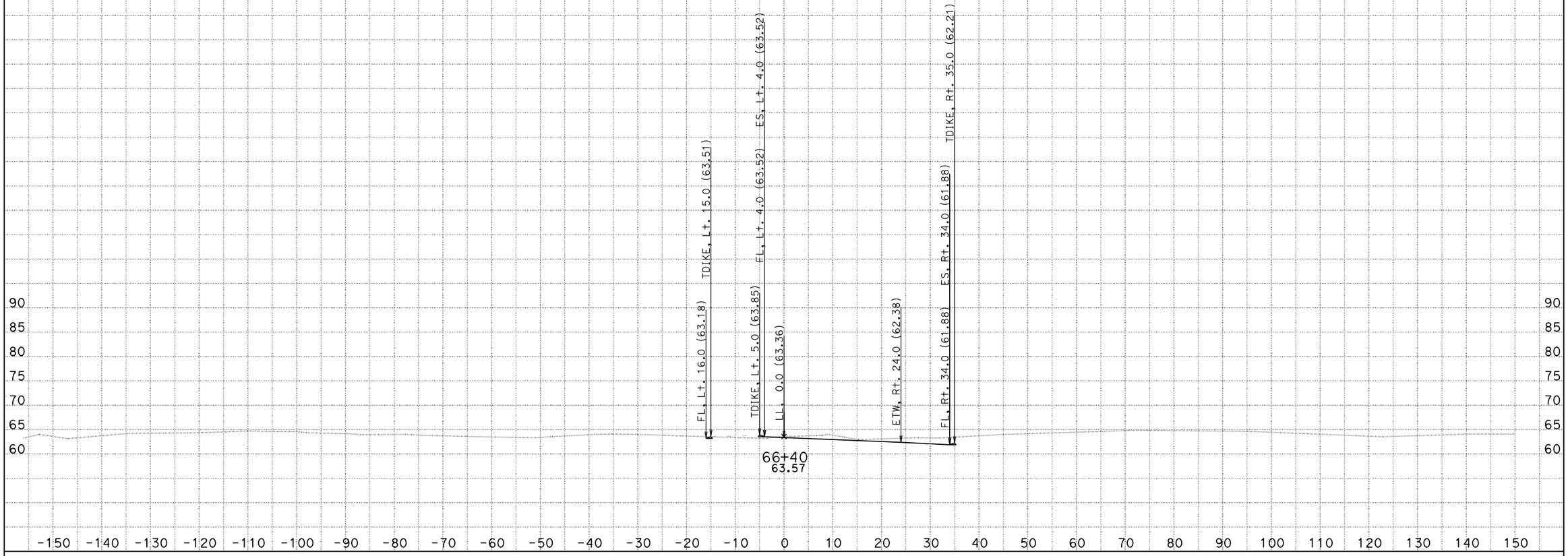

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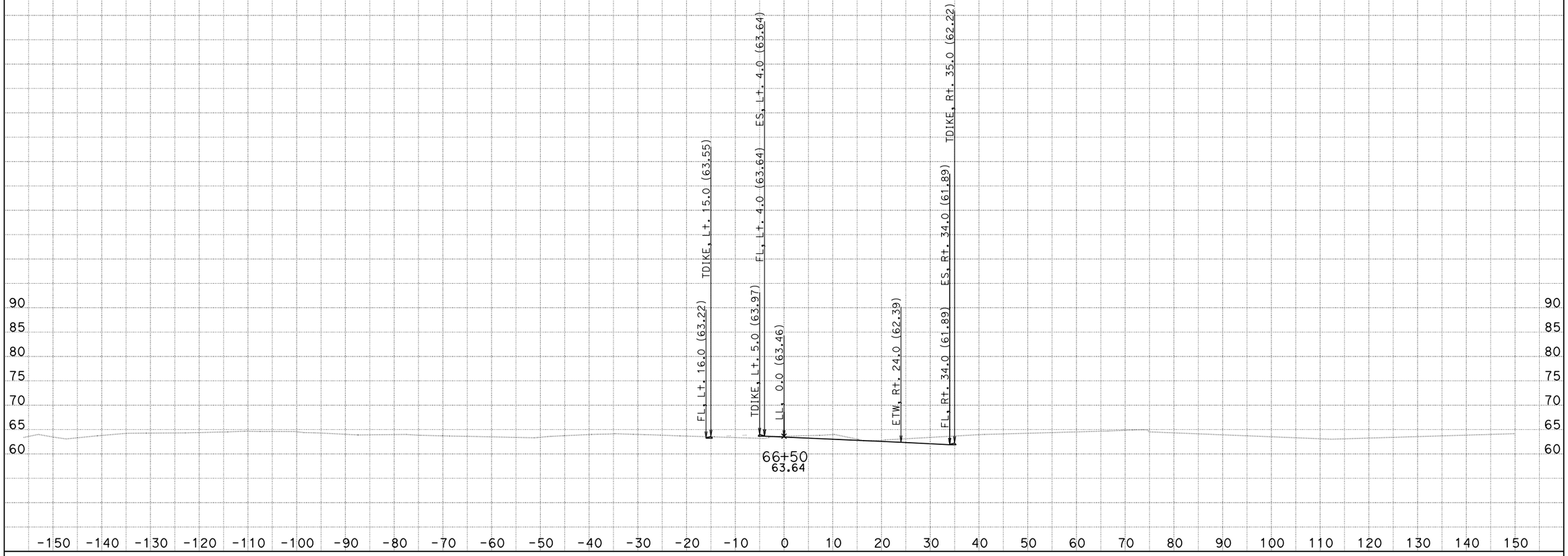
VA4
CROSS SECTIONS
SHEET 113 OF 180

DESIGN STUDY ONLY



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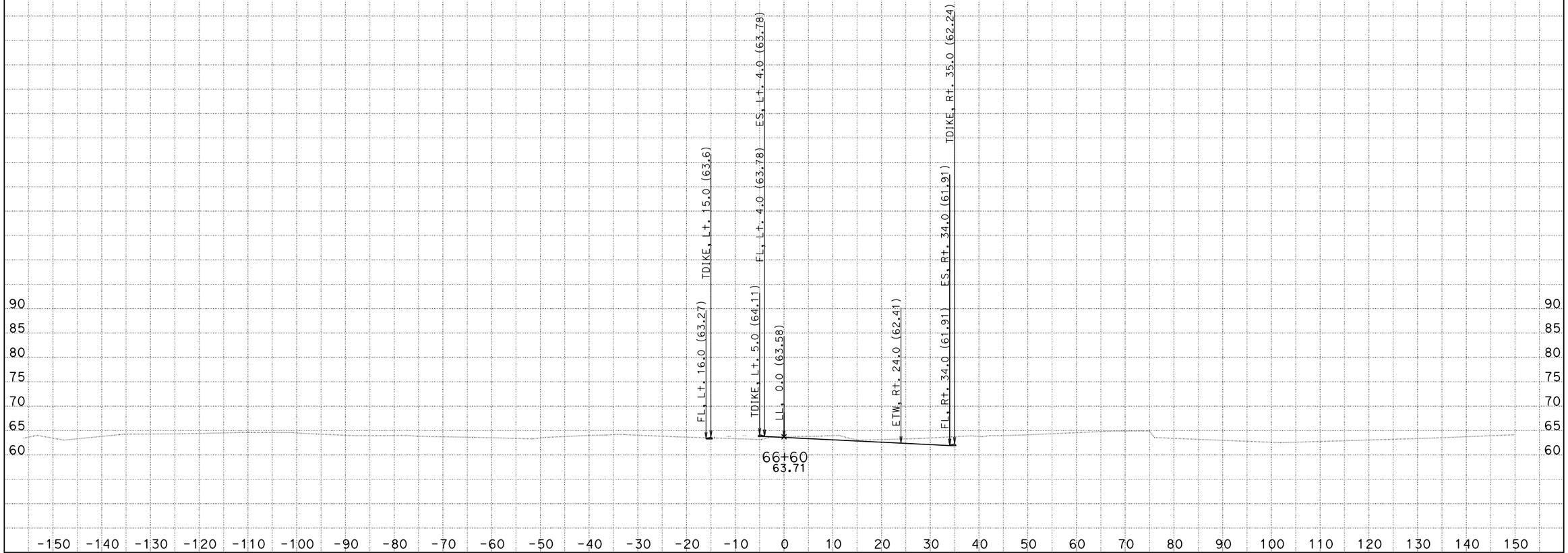
VA4
CROSS SECTIONS
SHEET 114 OF 180

DESIGN STUDY ONLY



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VA4
CROSS SECTIONS
SHEET 115 OF 180

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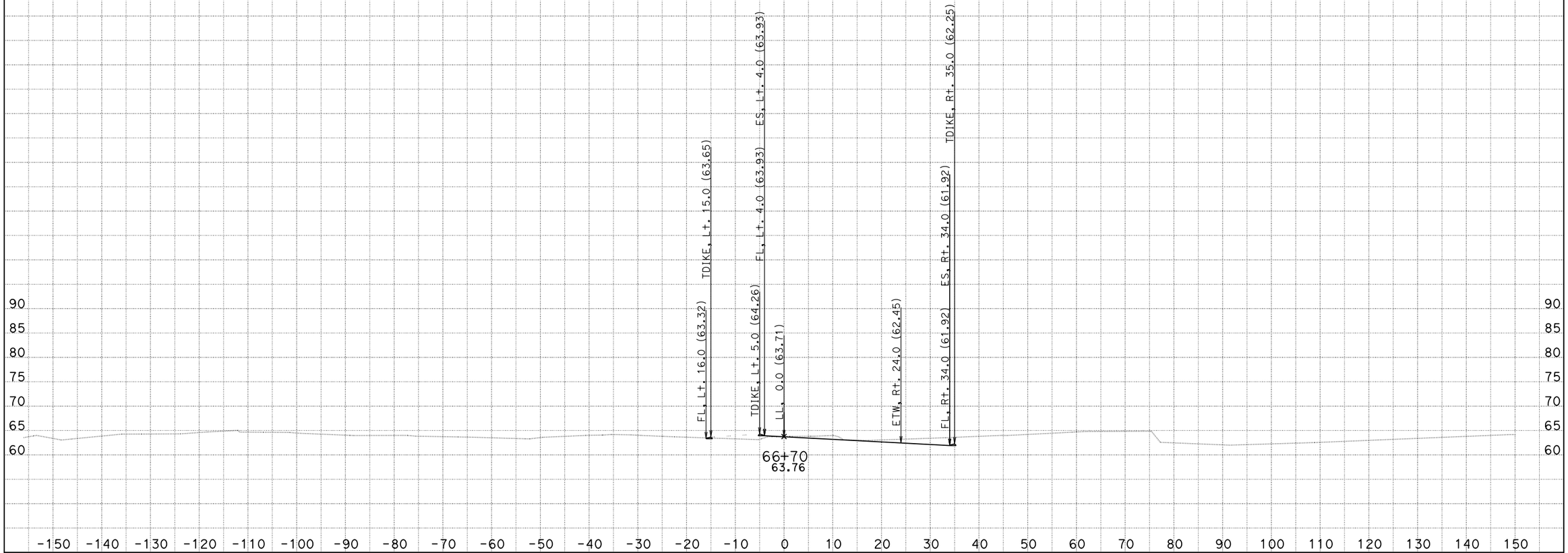

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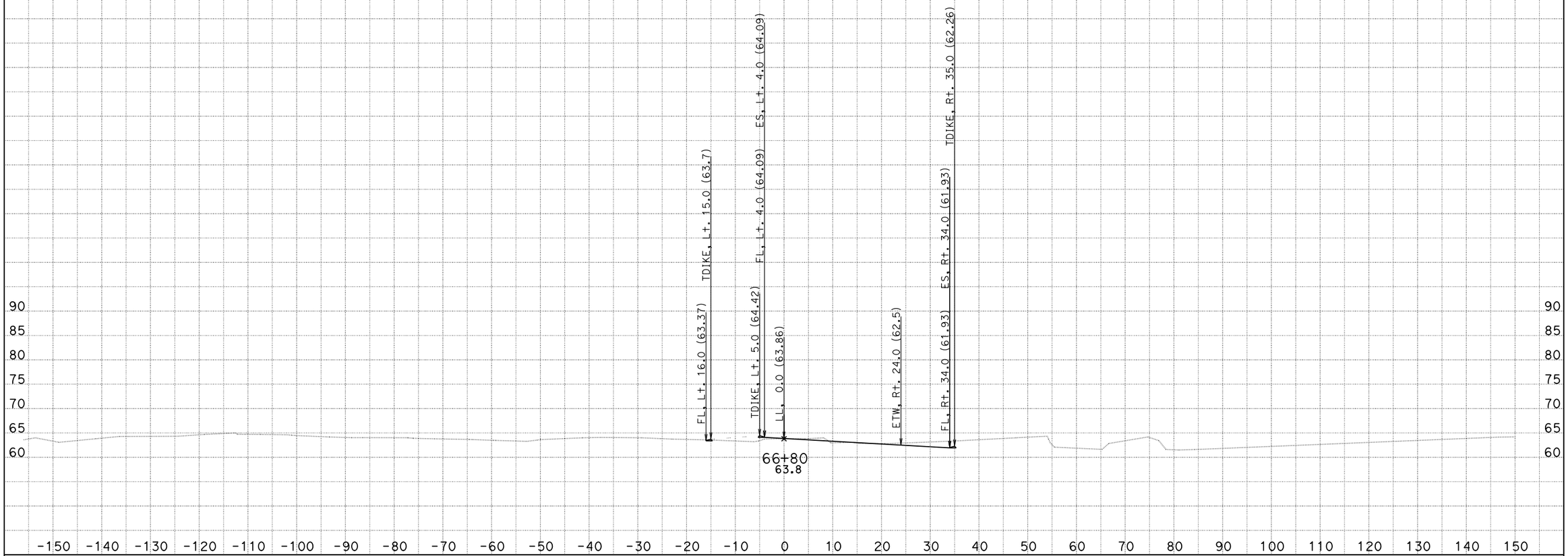
All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 116 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

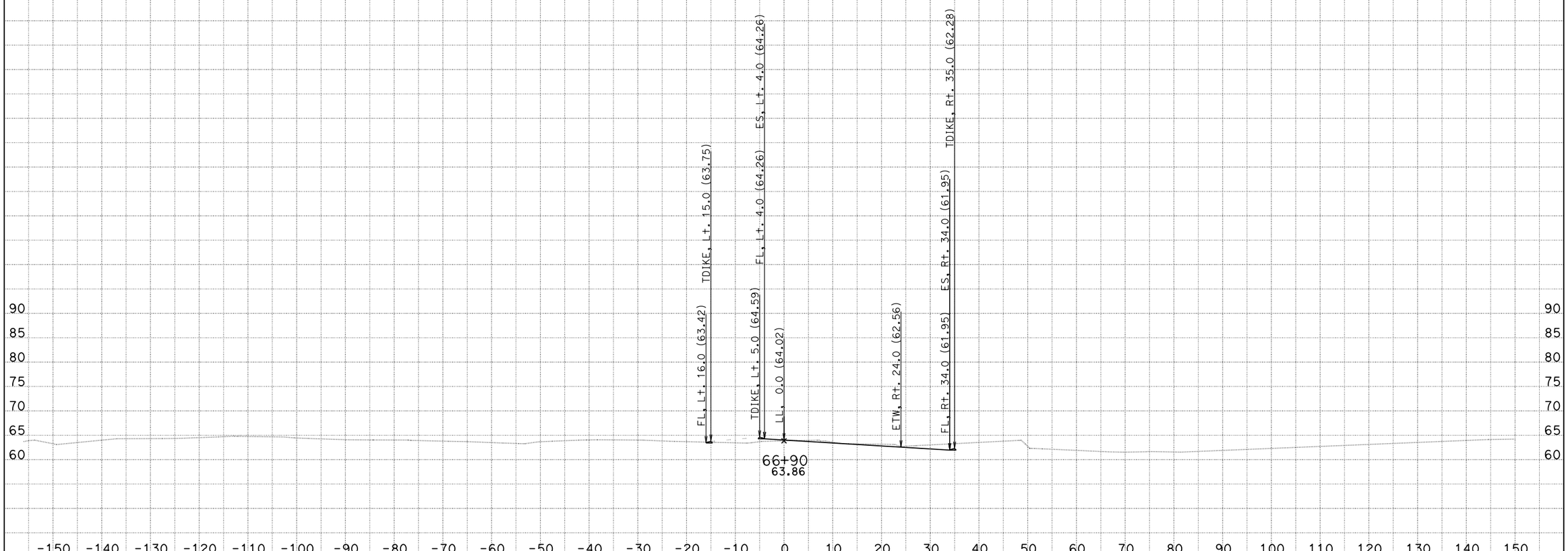
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 117 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
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CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
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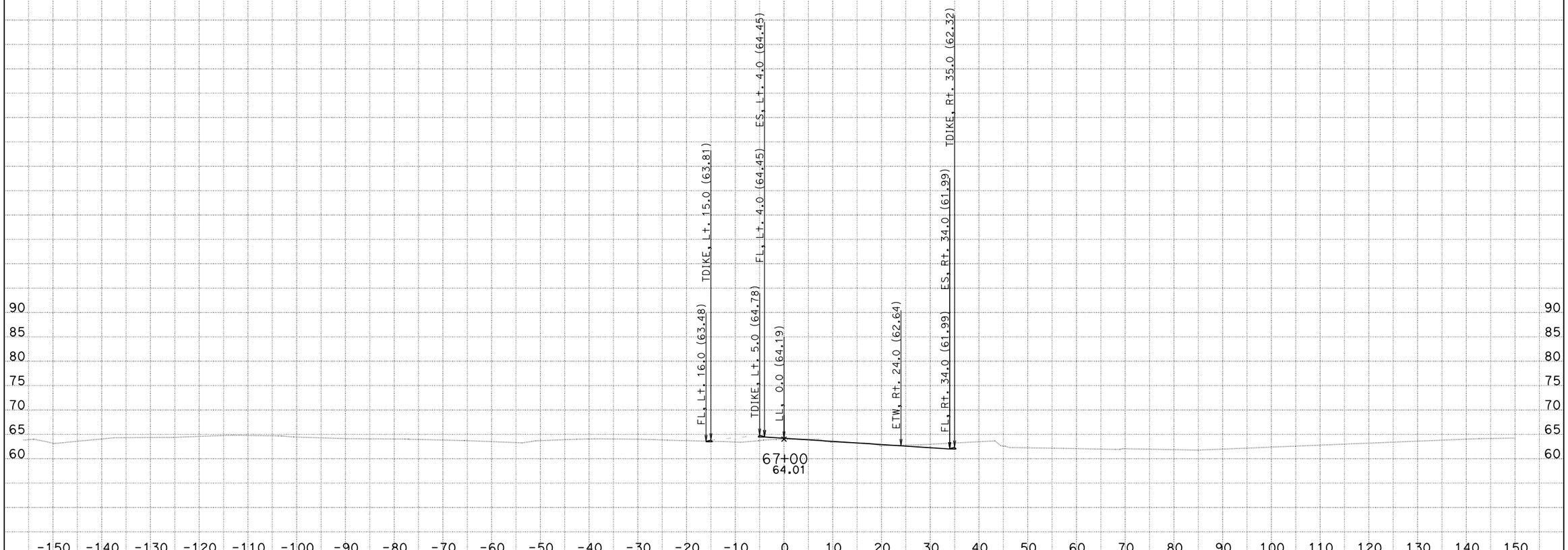
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 118 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
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CONTRACT: 07-215921
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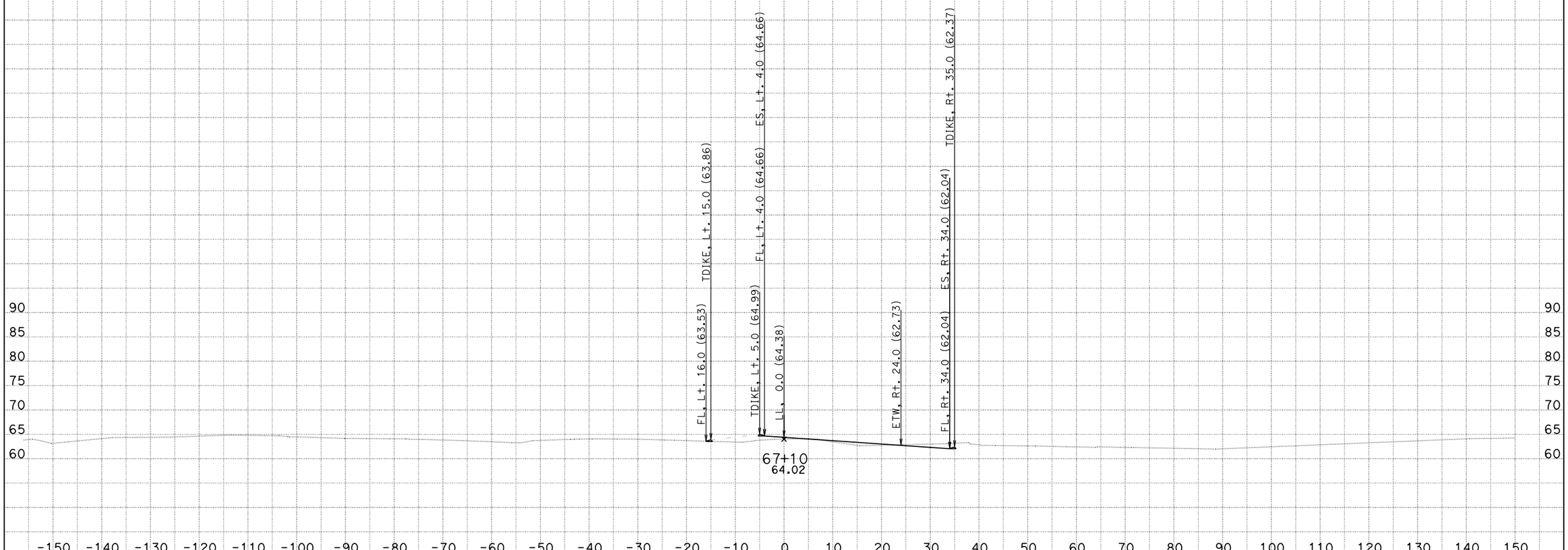
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 119 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
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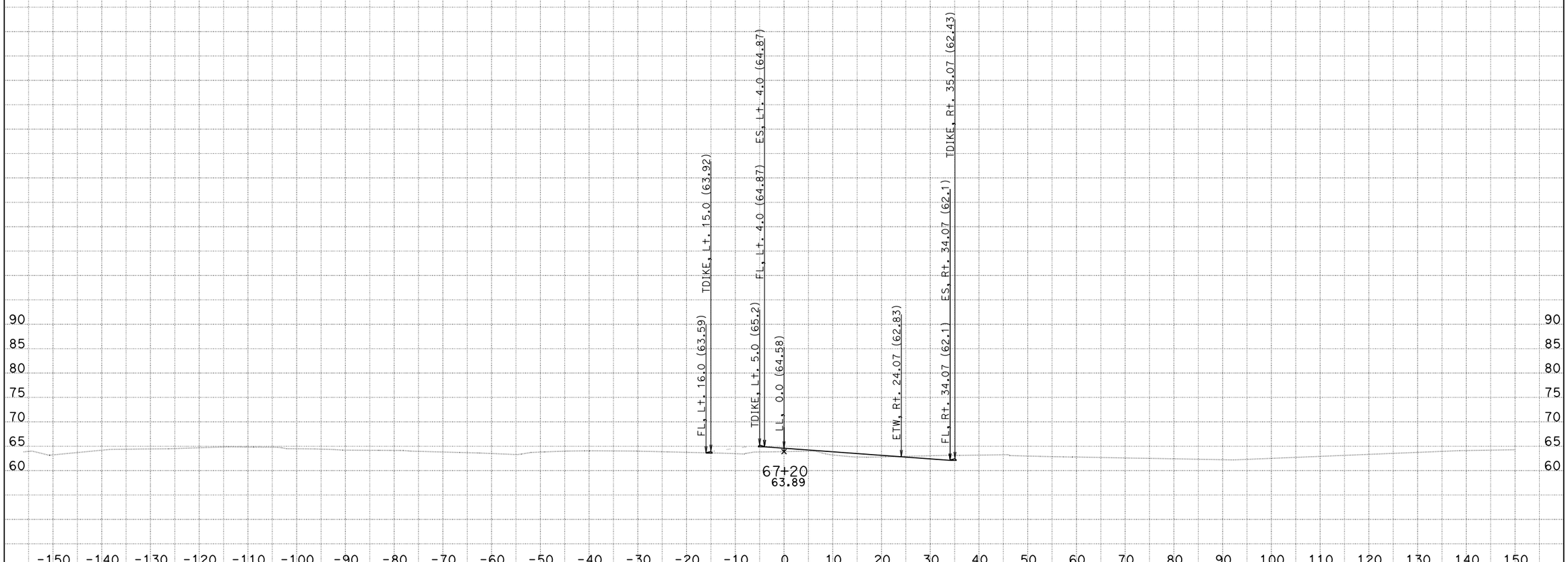
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 120 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

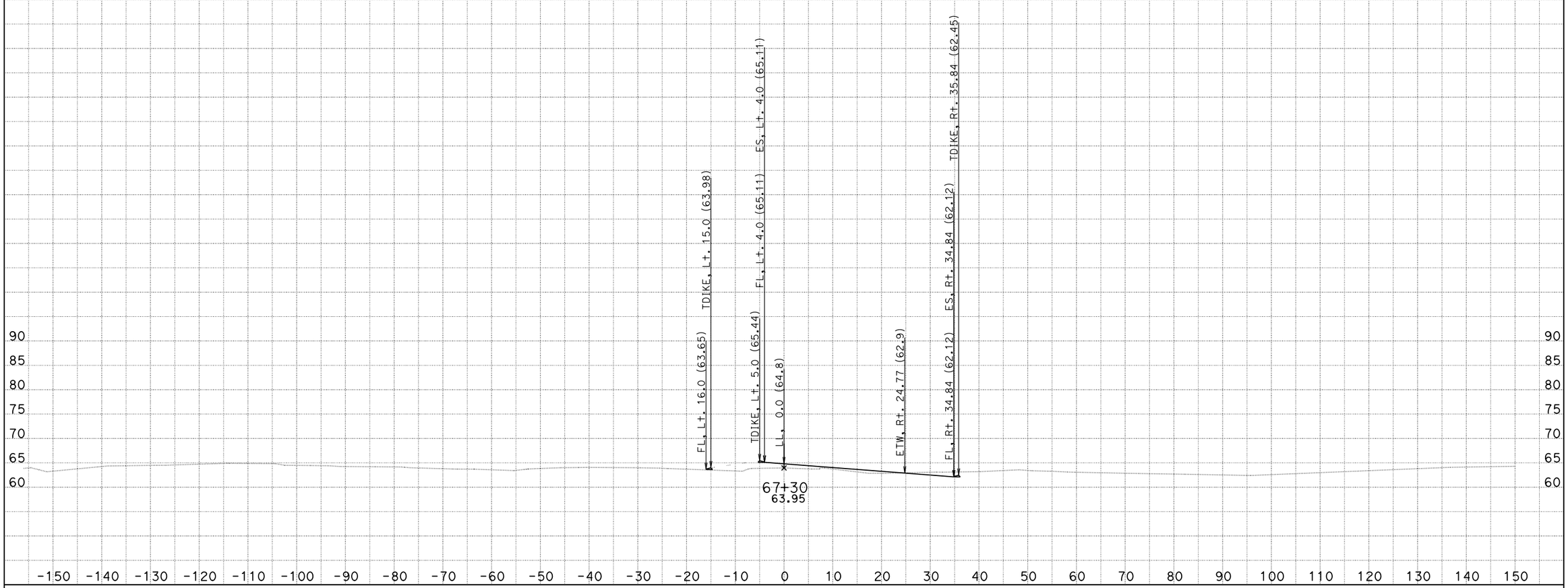
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 121 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
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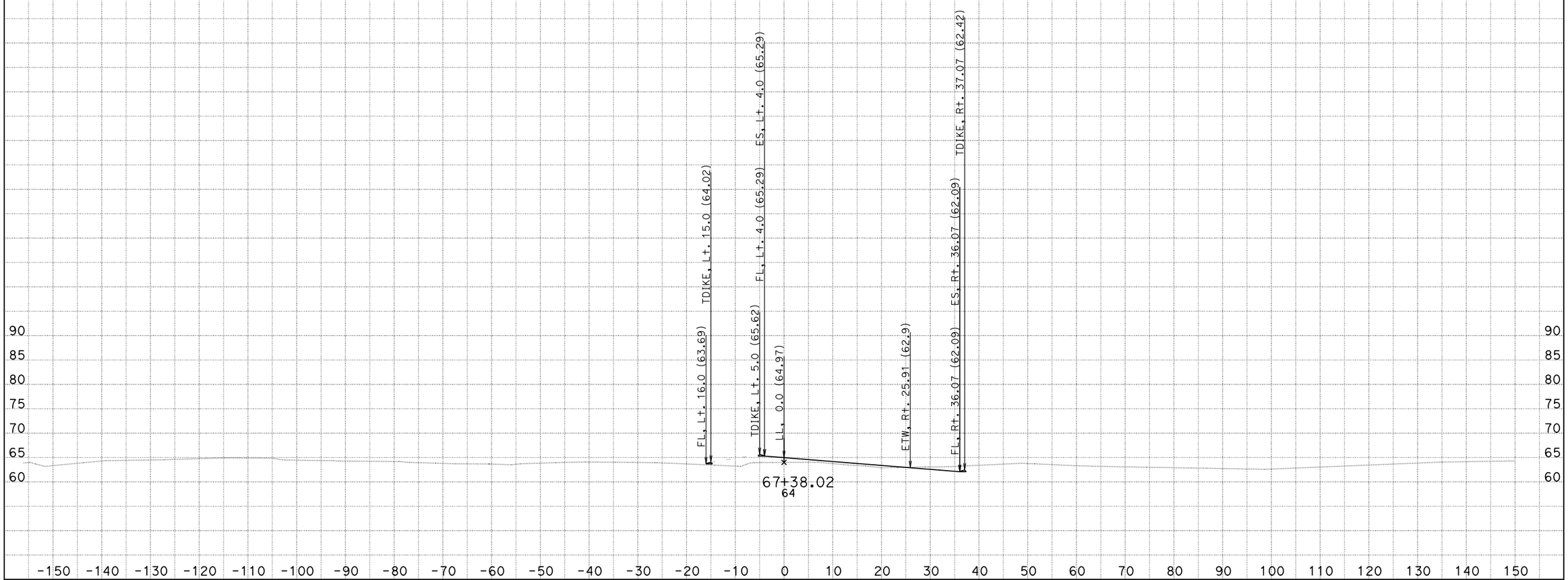
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 122 OF 180

DESIGN STUDY ONLY



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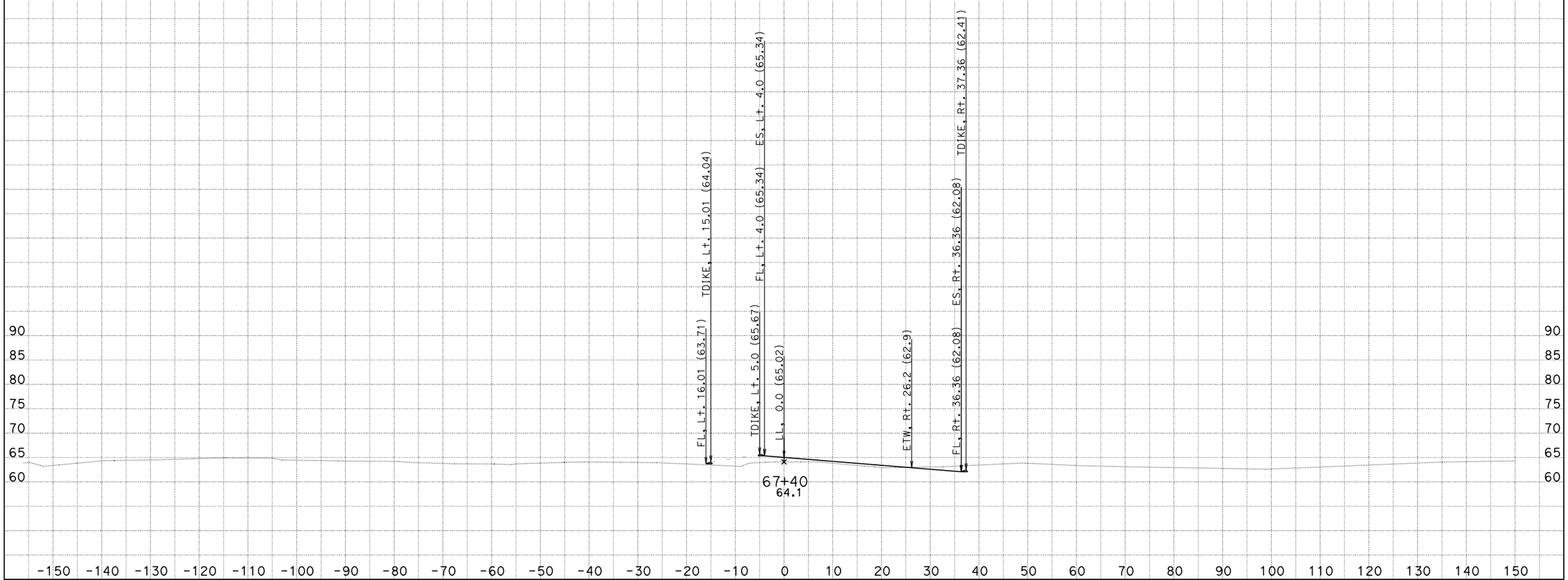
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 123 OF 180

DESIGN STUDY ONLY



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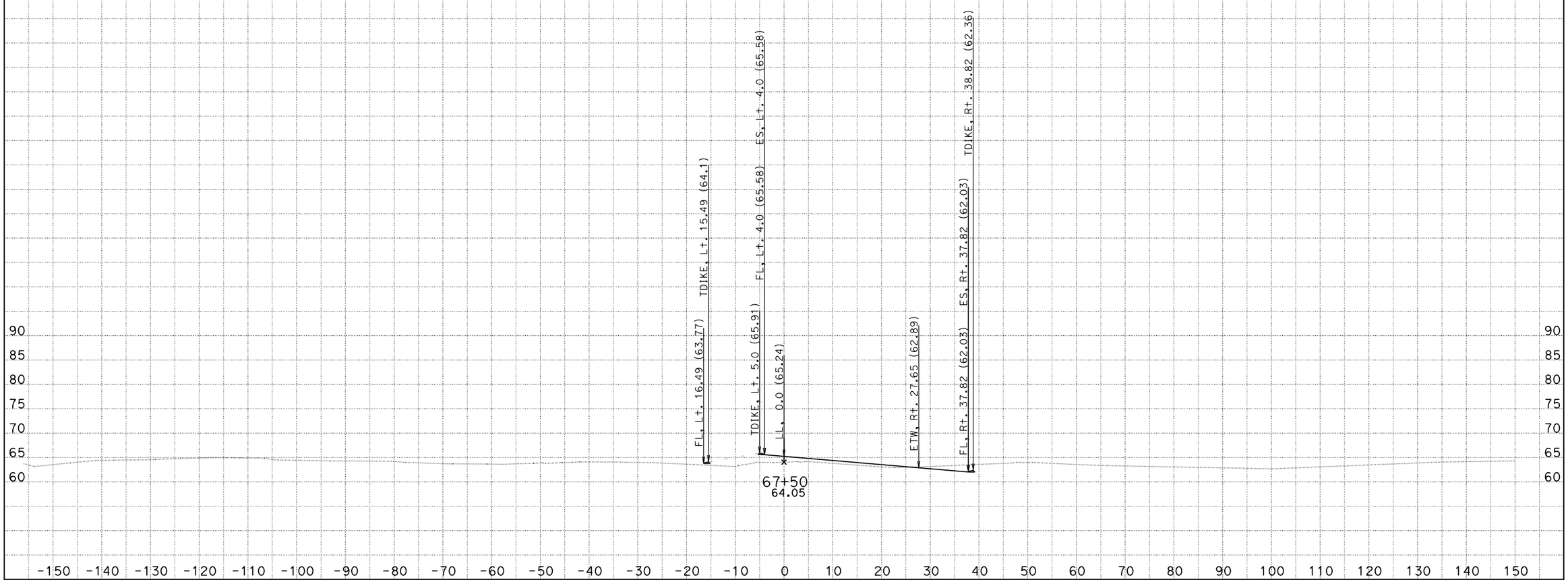
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 124 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

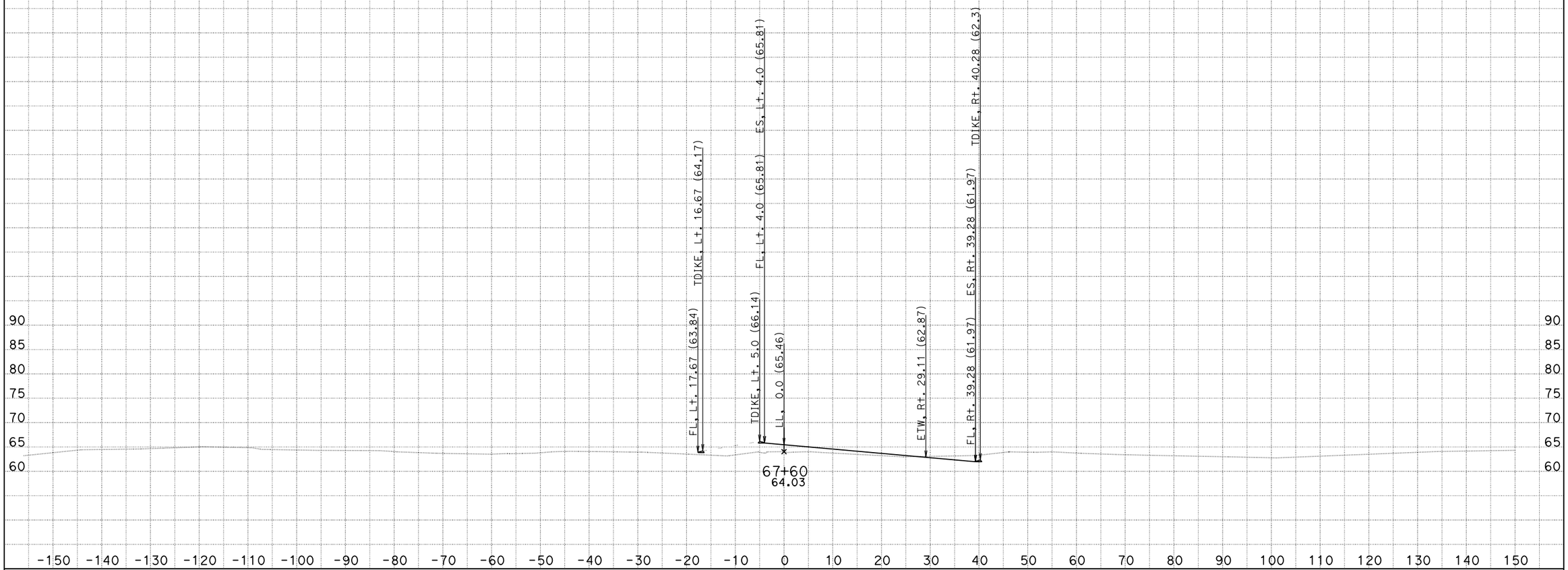
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 125 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

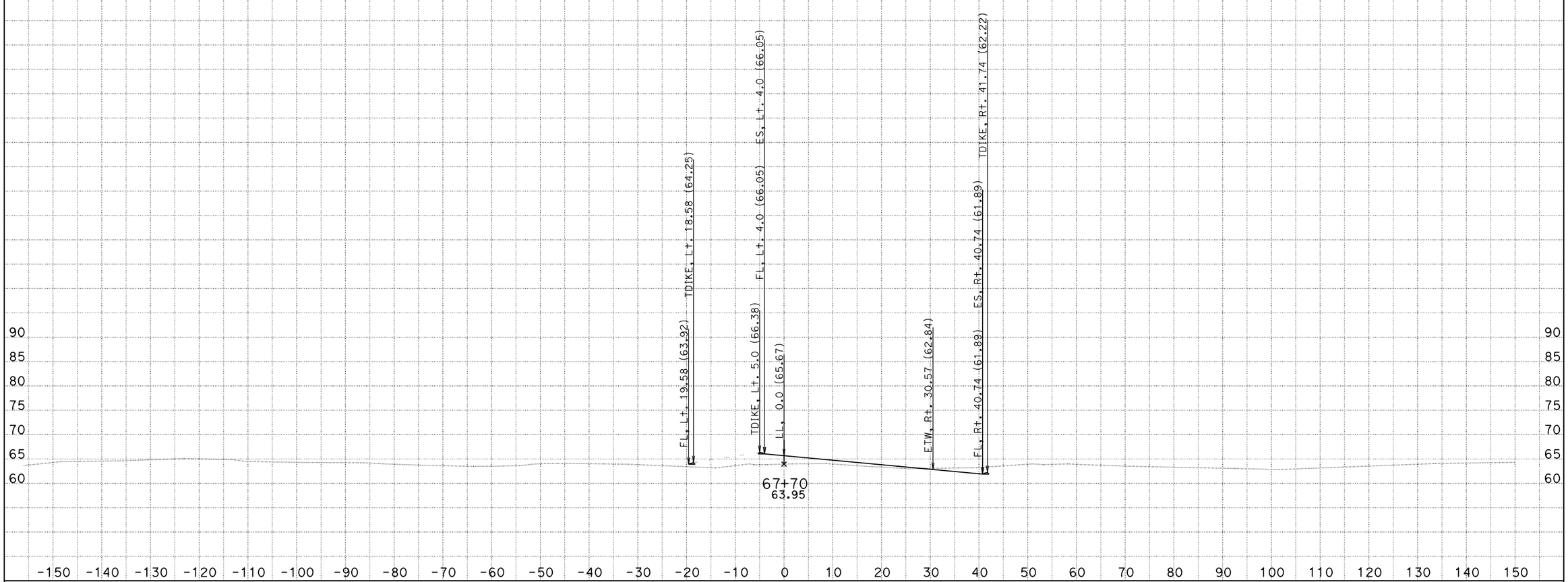
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 126 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
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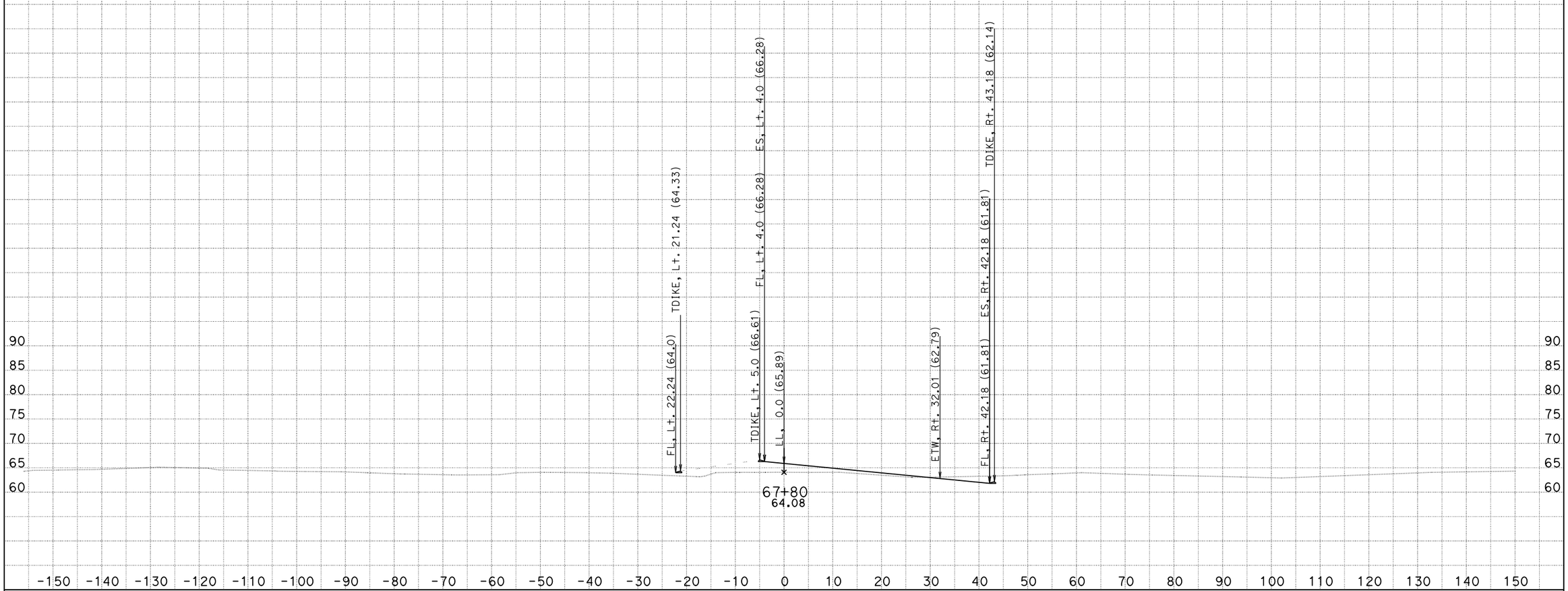
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 127 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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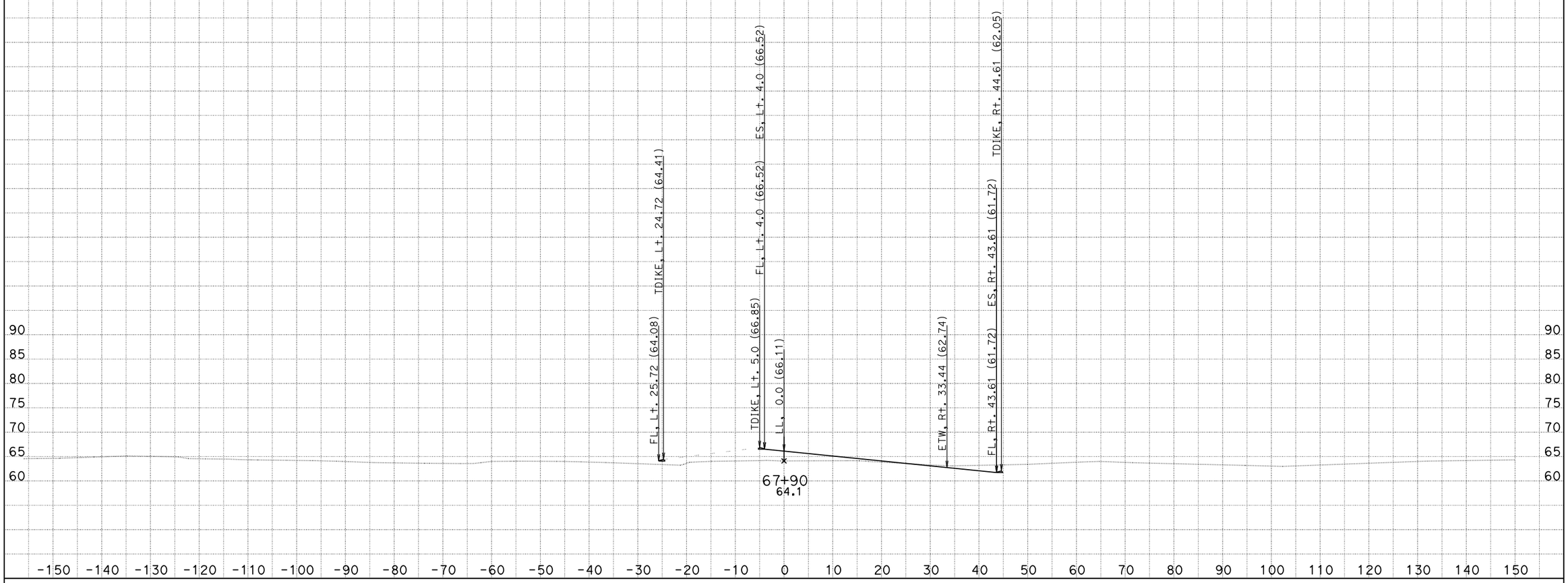
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 128 OF 180

DESIGN STUDY ONLY



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SCALE: 1" = 10' Horiz.
1" = 10' Vert.

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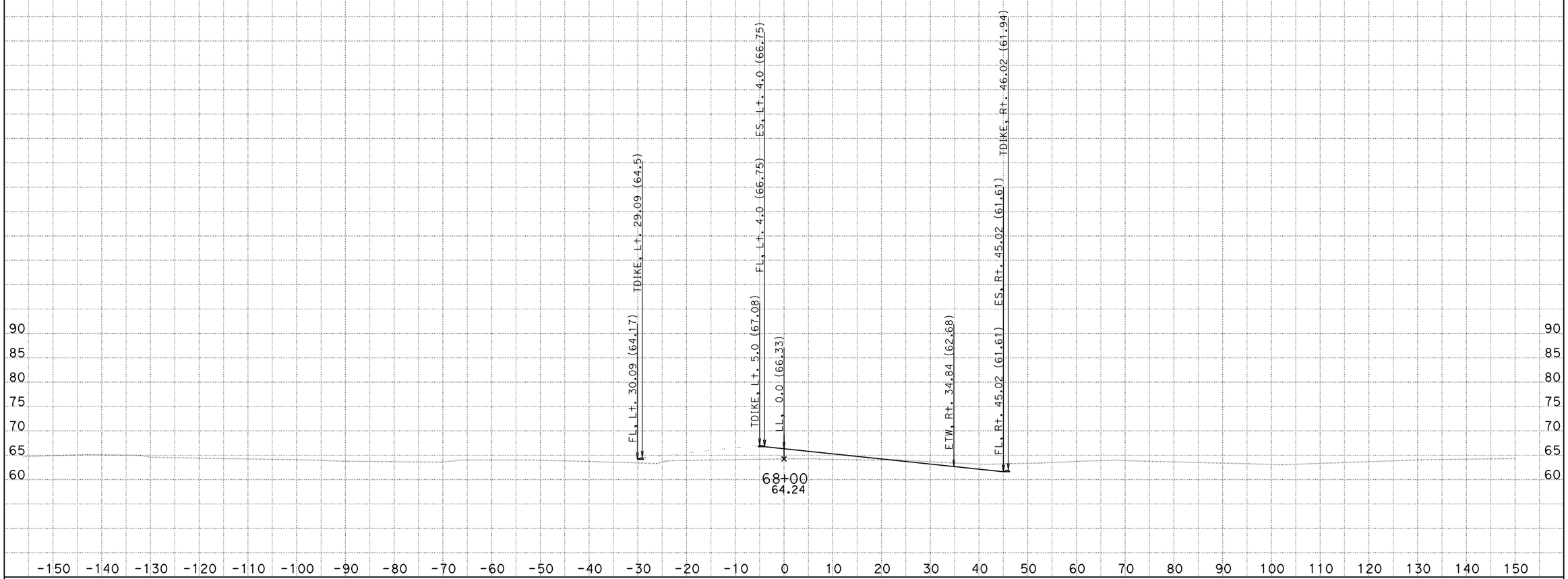
VA4
CROSS SECTIONS
SHEET 129 OF 180

DESIGN STUDY ONLY



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SCALE: 1" = 10' Horiz.
1" = 10' Vert.

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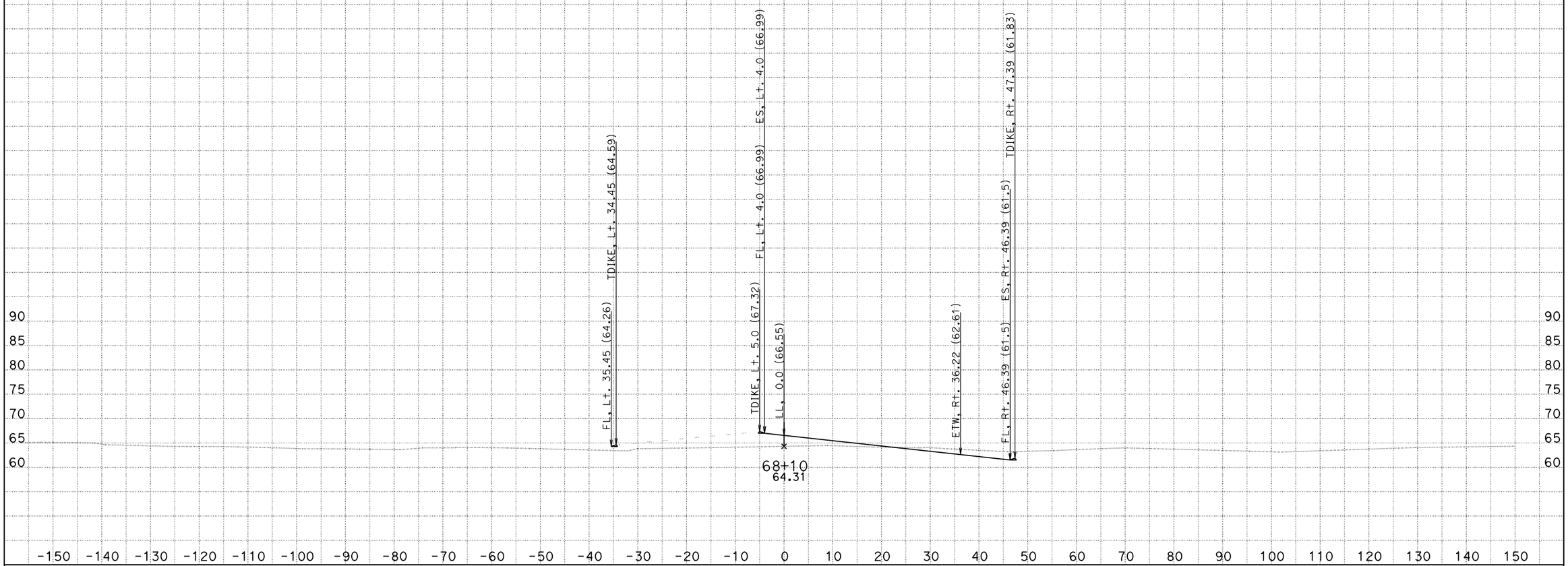
VA4
CROSS SECTIONS
SHEET 130 OF 180

DESIGN STUDY ONLY



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DATE: 8/28/2014
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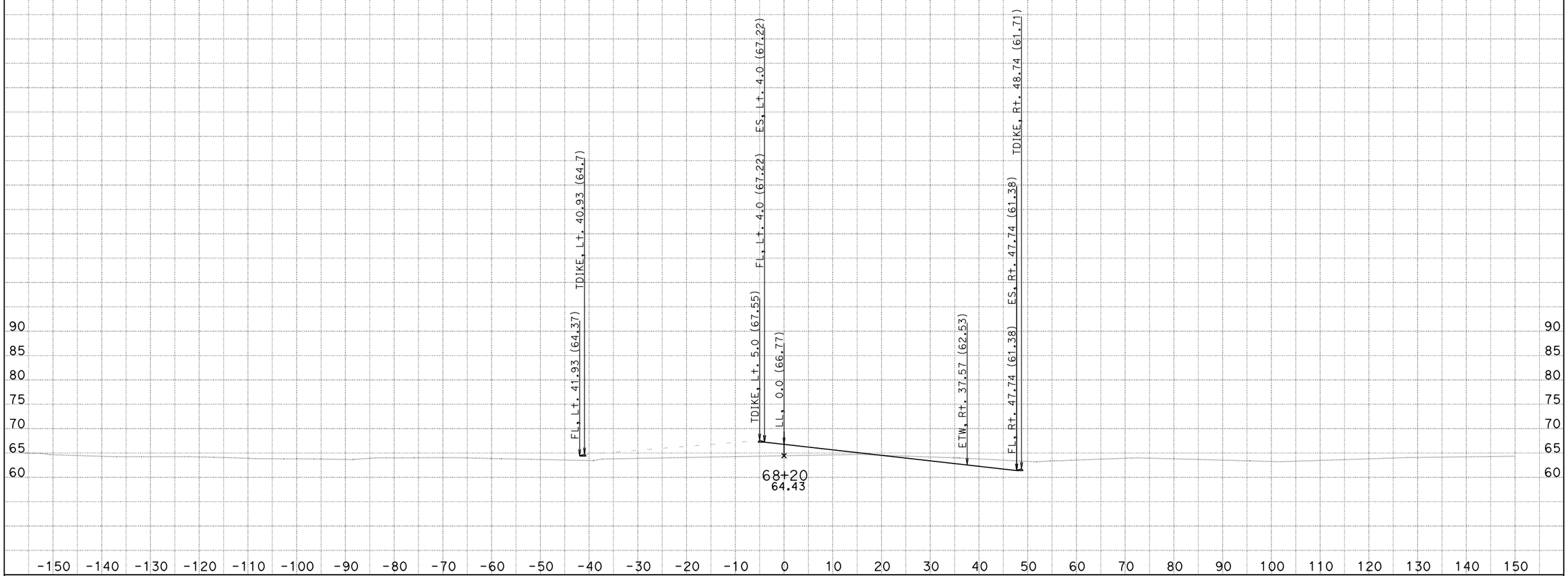
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 131 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
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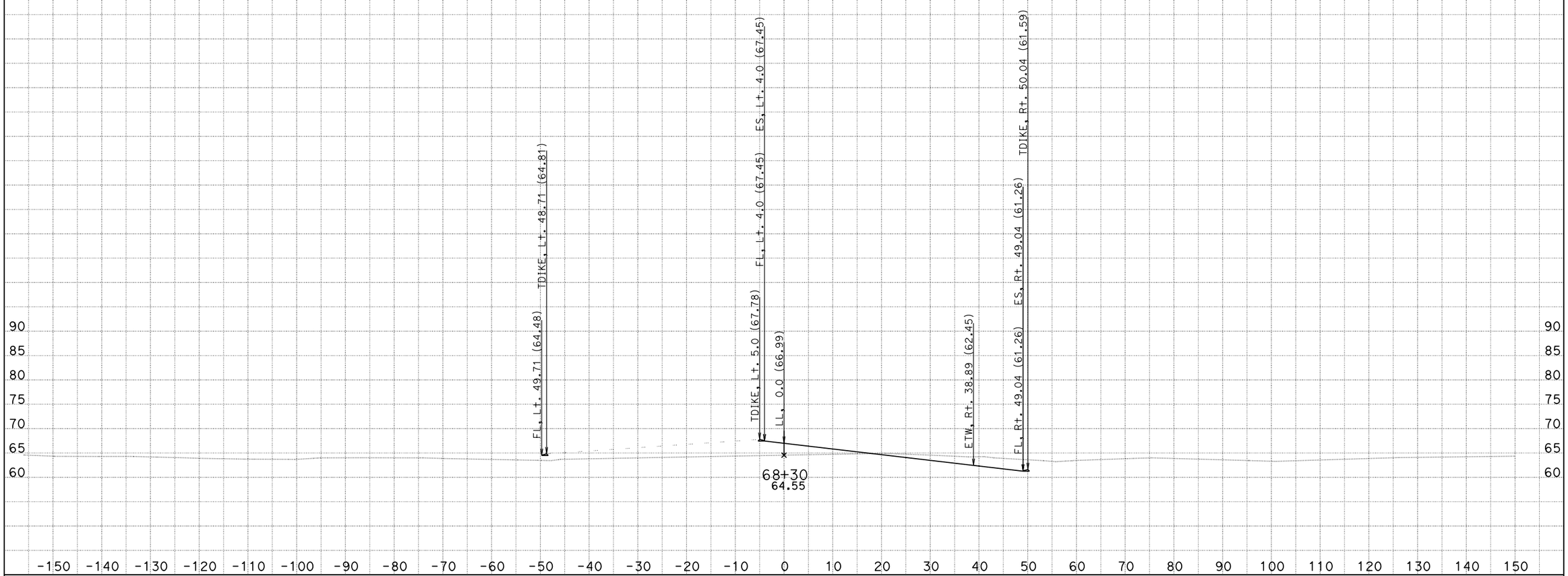
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 132 OF 180

DESIGN STUDY ONLY



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DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

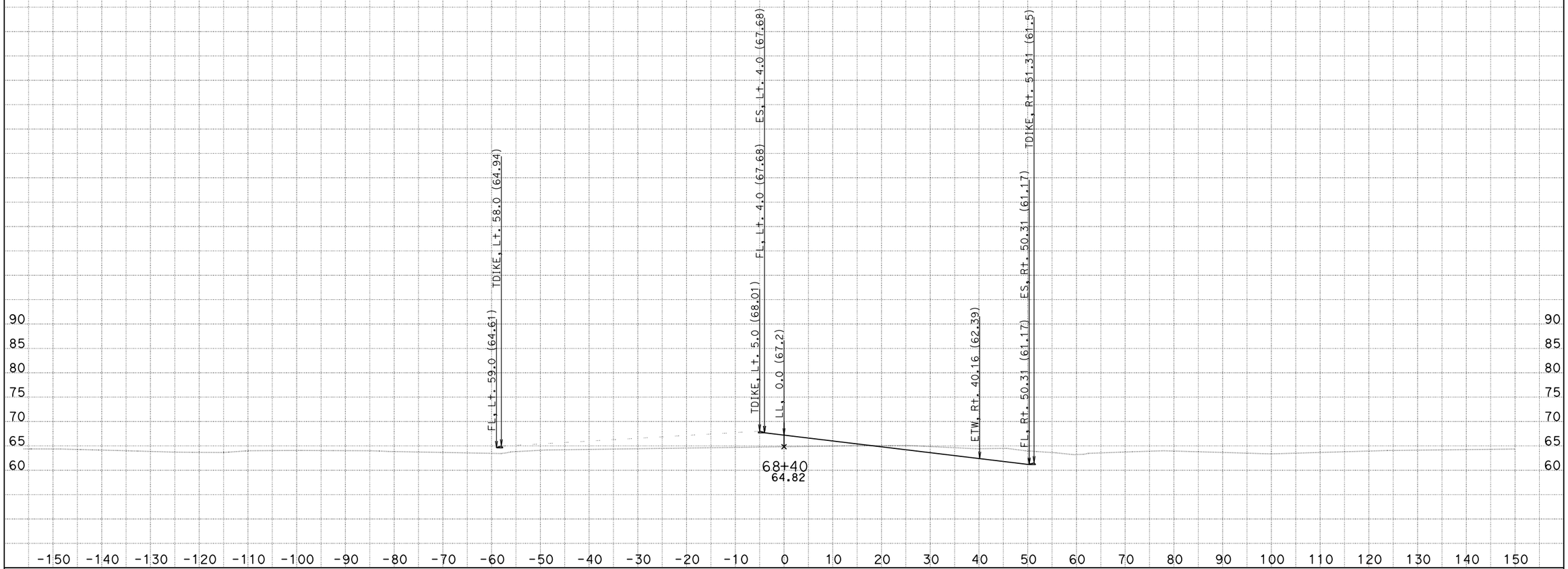
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 133 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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PROJECT ID: 0700001832

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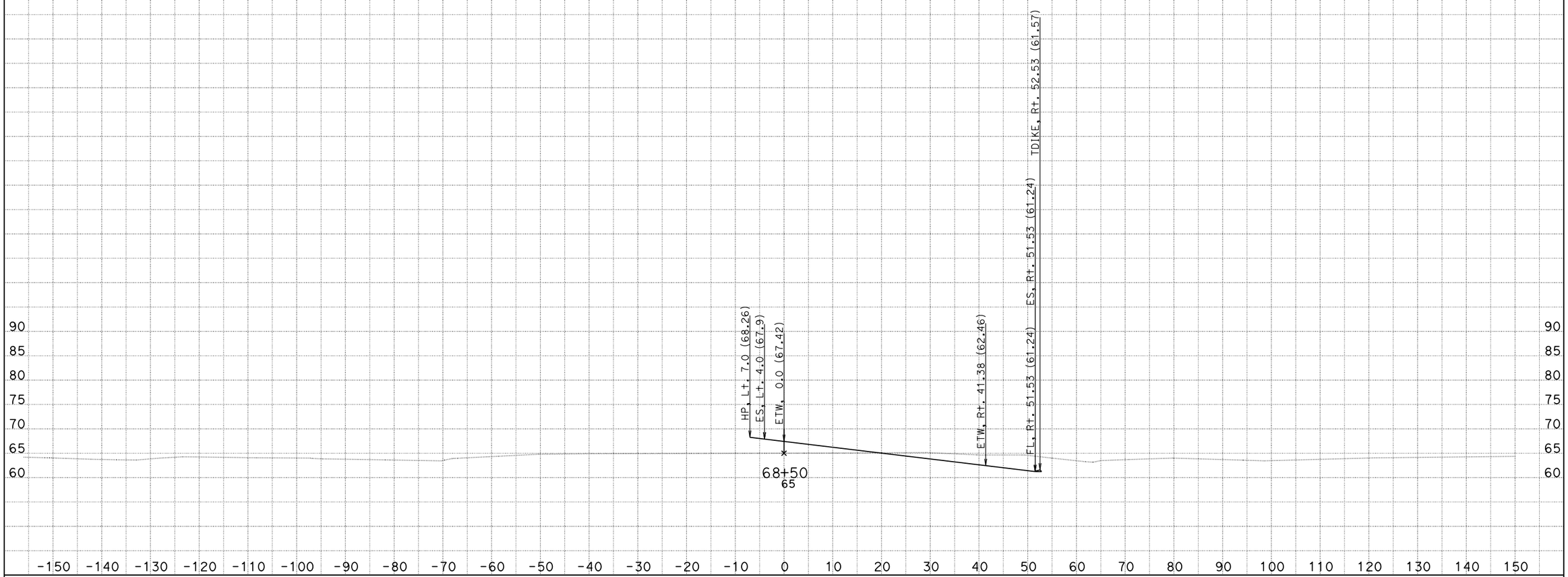
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 134 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

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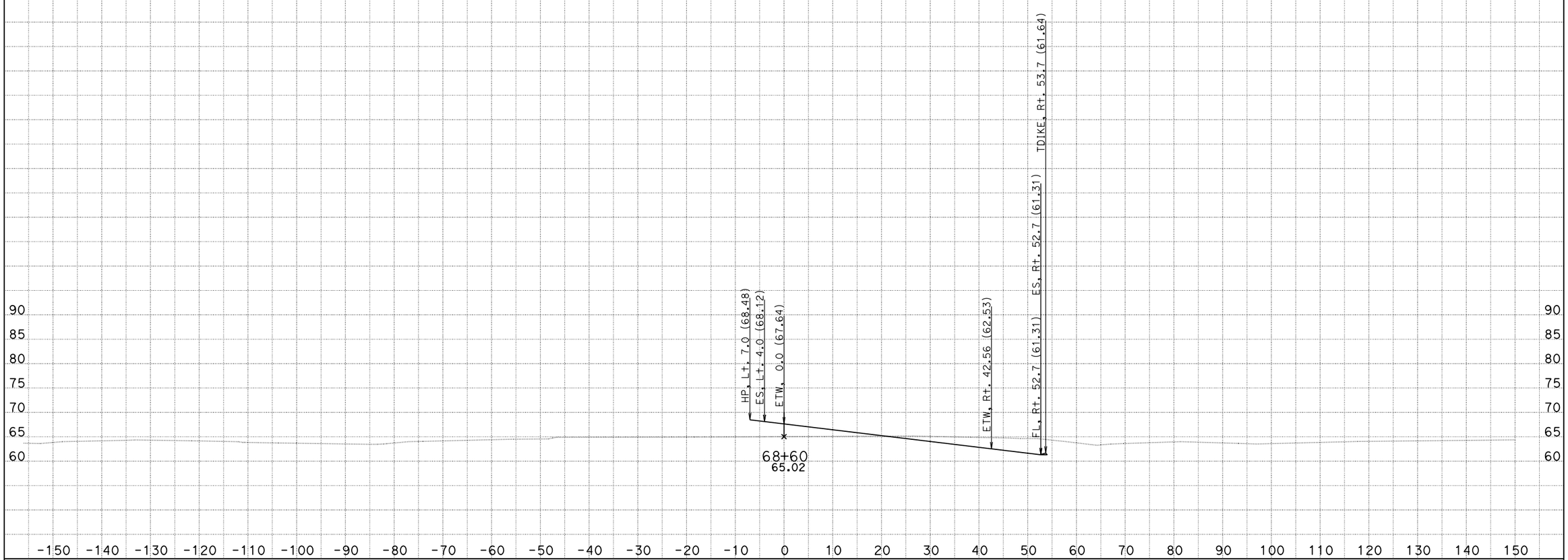
VA4
CROSS SECTIONS
SHEET 135 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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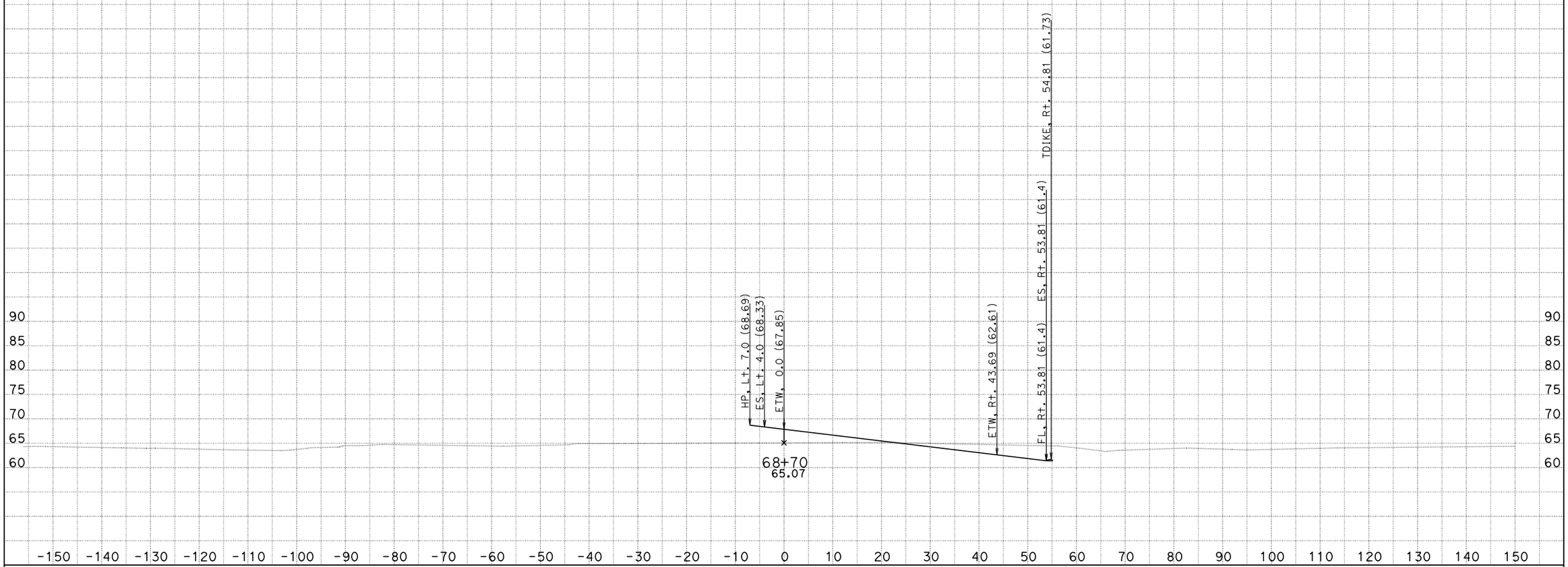
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 136 OF 180

DESIGN STUDY ONLY



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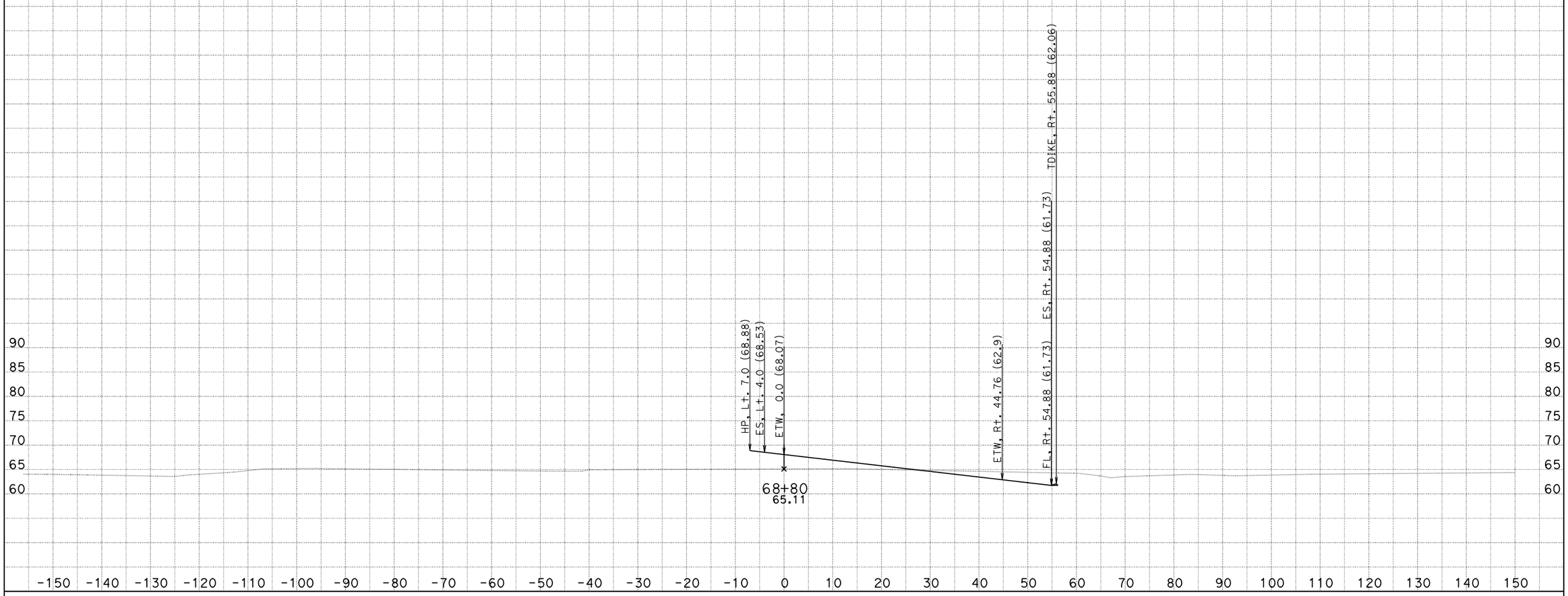
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 137 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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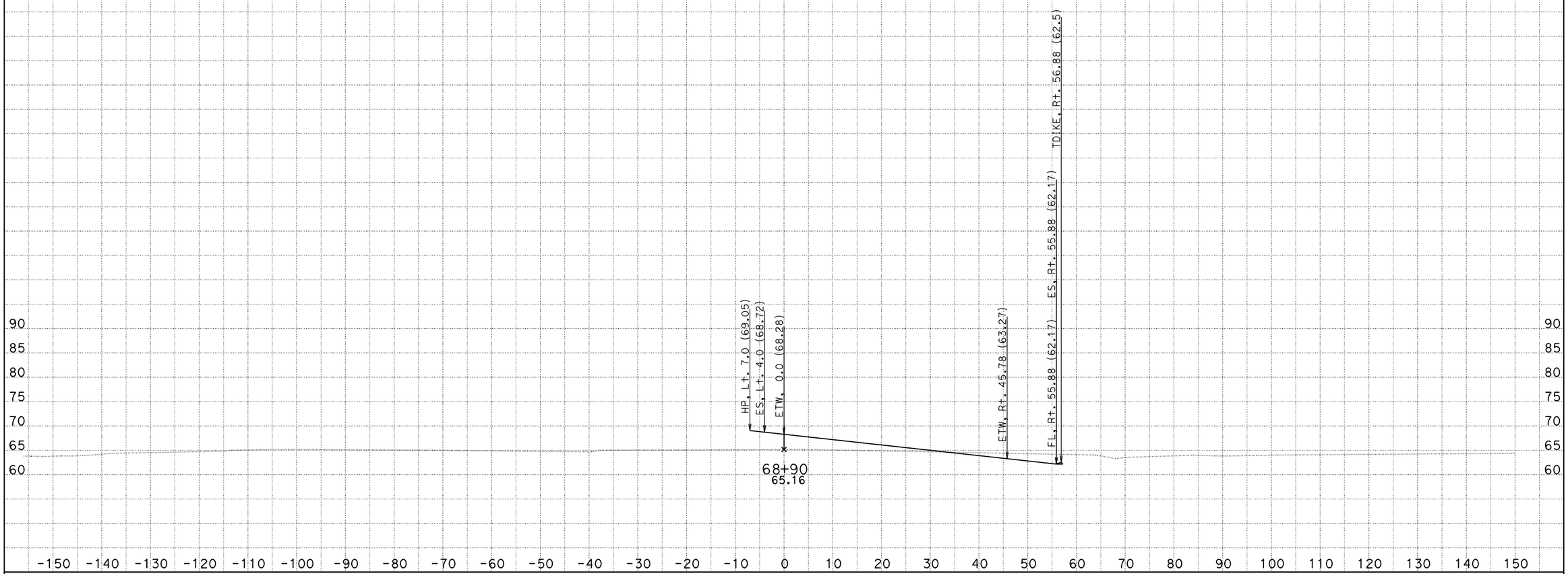
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 138 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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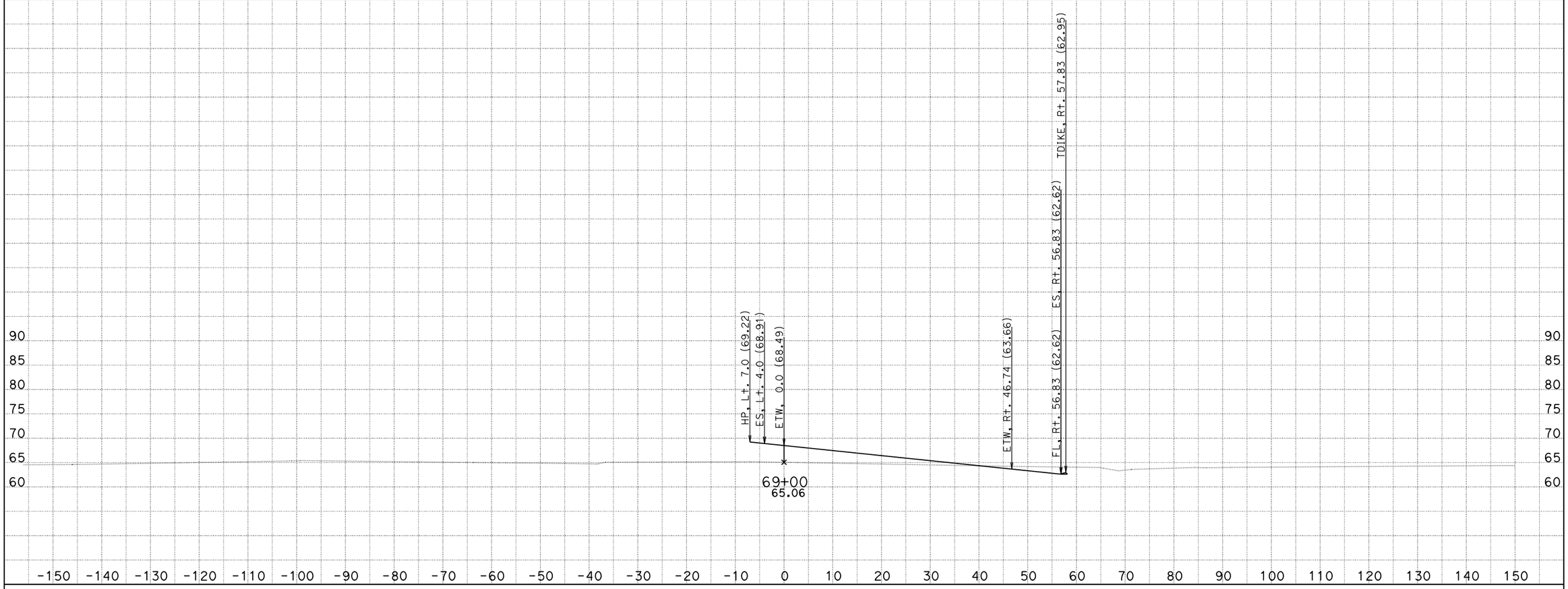
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 139 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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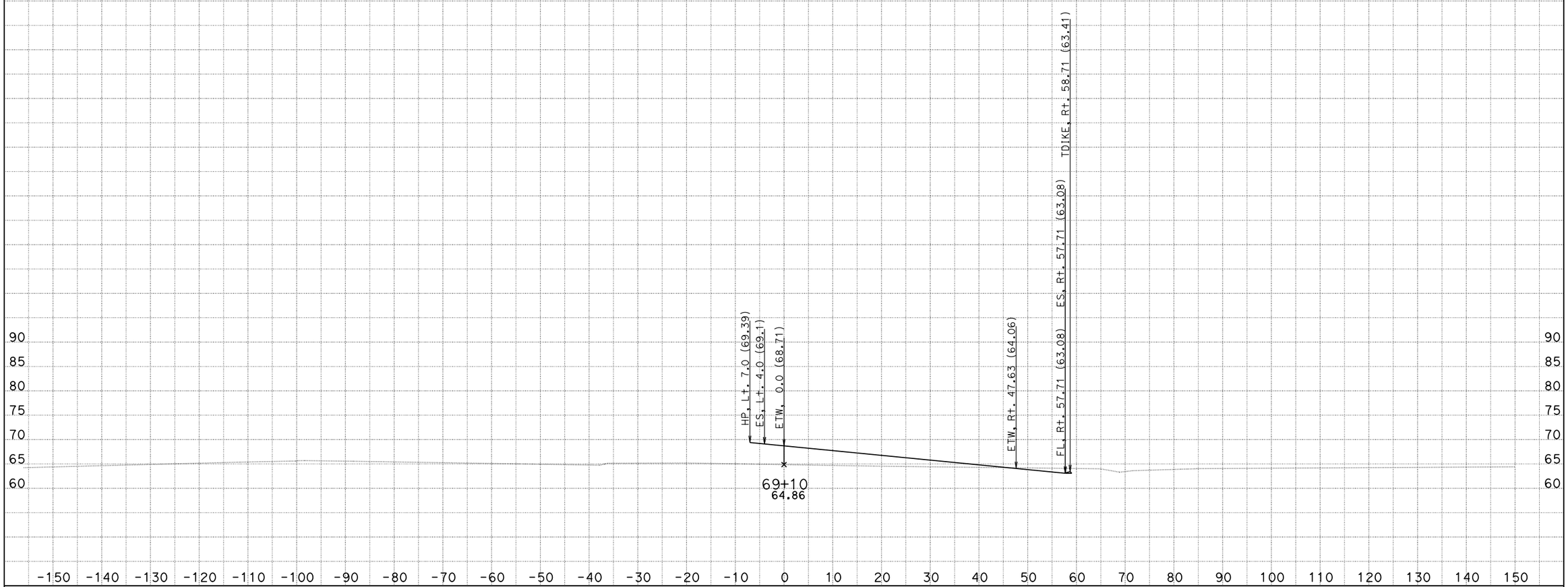
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 140 OF 180

DESIGN STUDY ONLY



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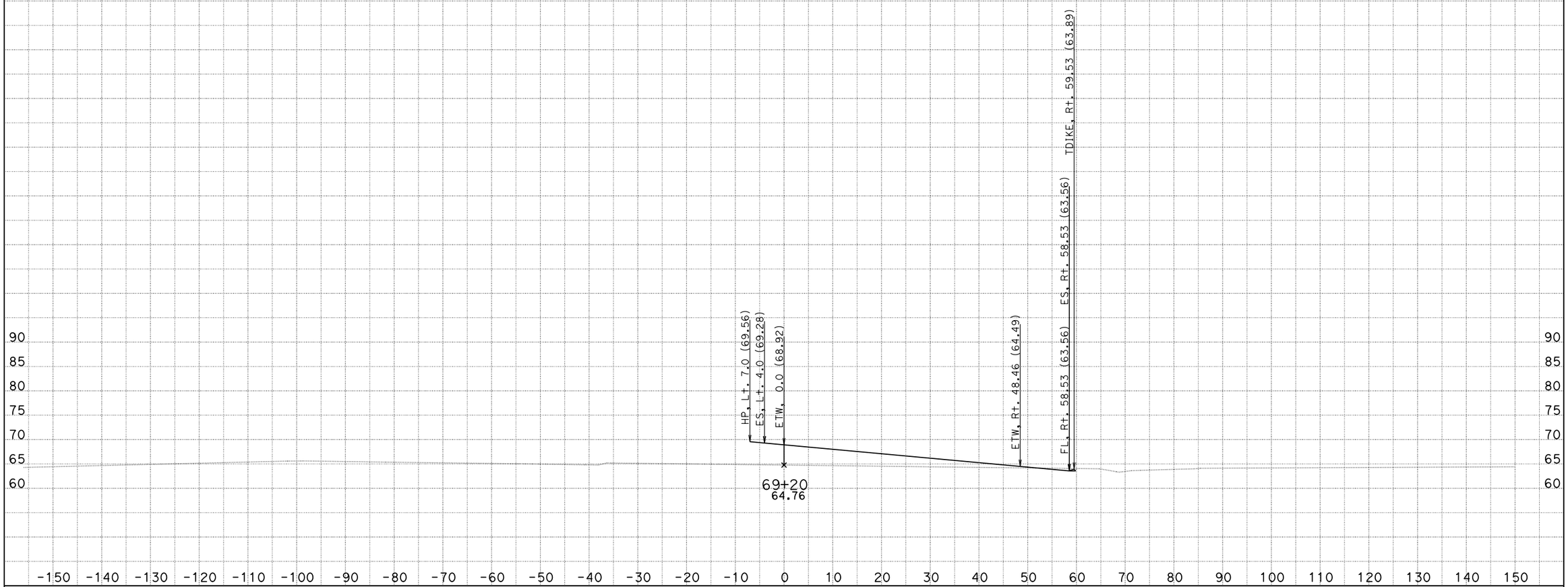
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 141 OF 180

DESIGN STUDY ONLY



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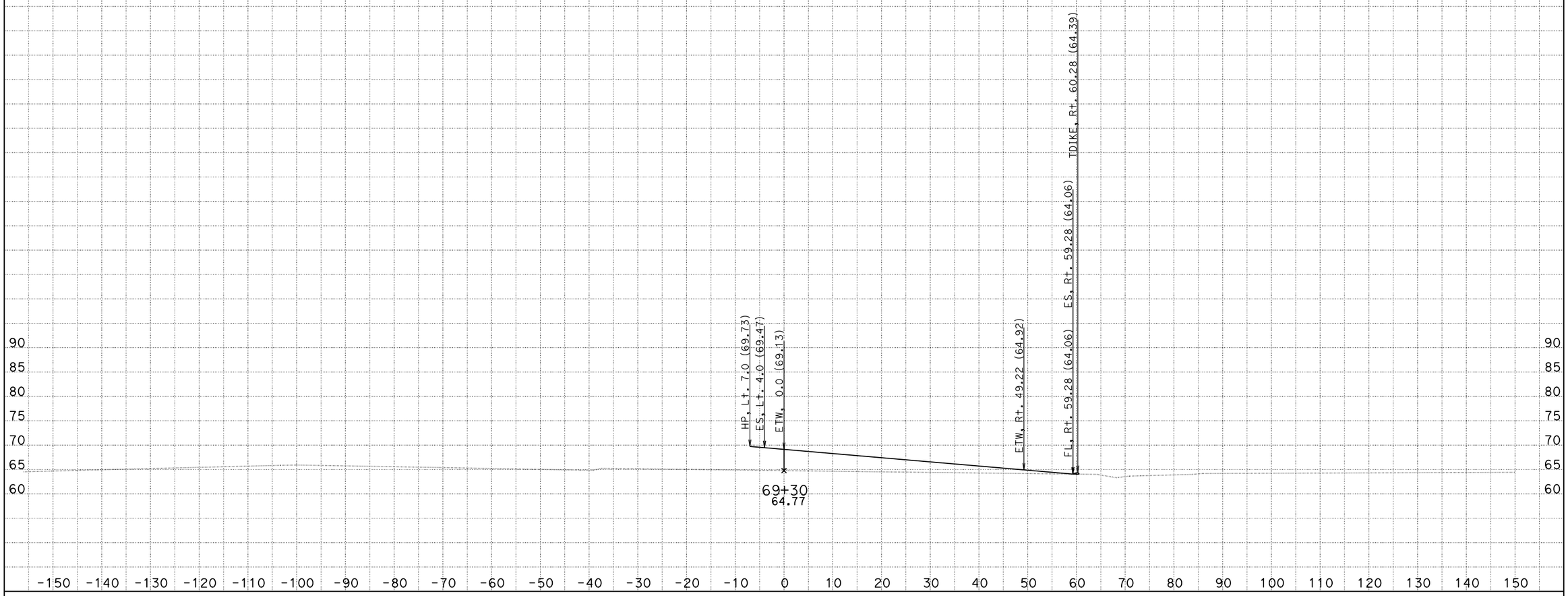
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 142 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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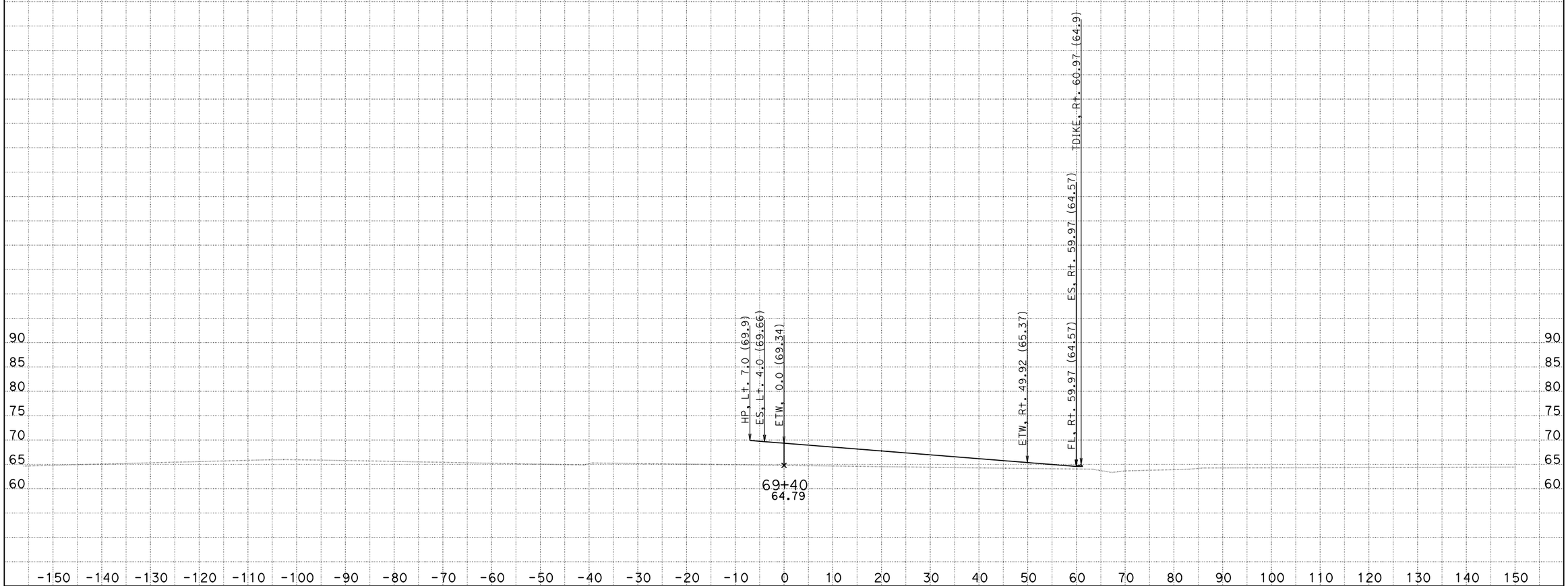
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 143 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
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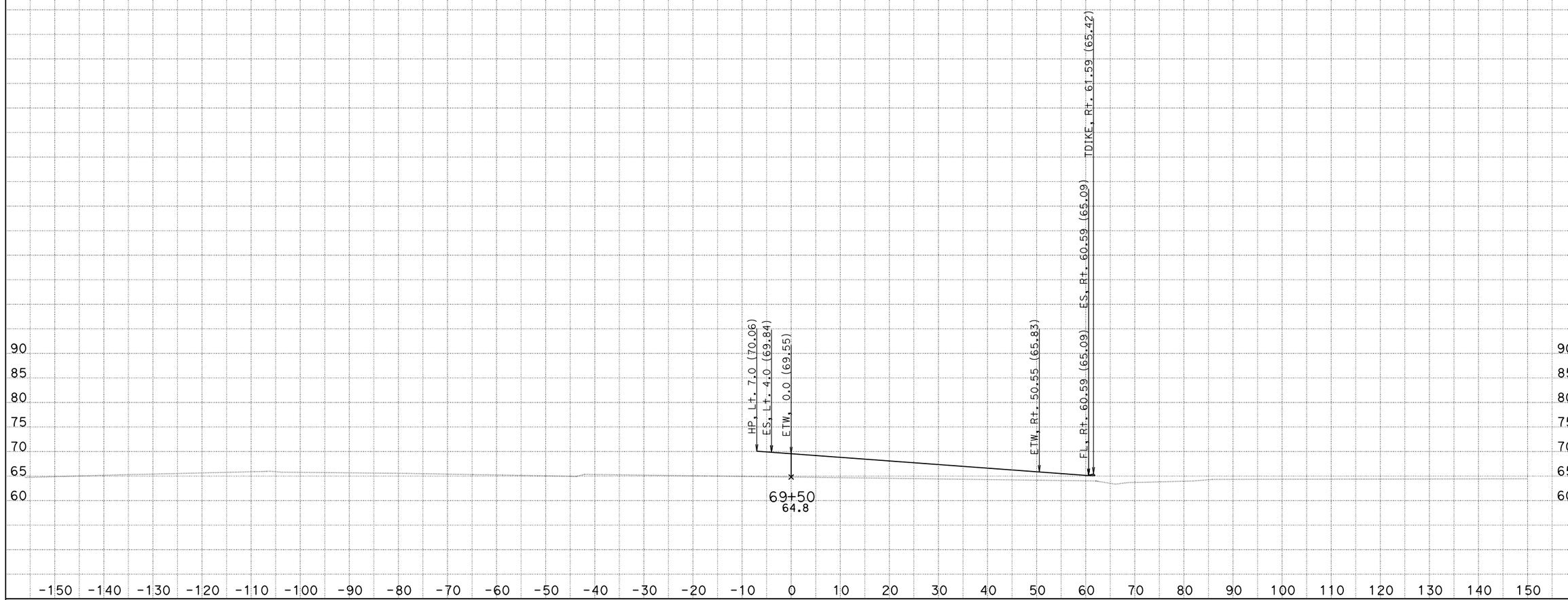
All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 144 OF 180

DESIGN STUDY ONLY



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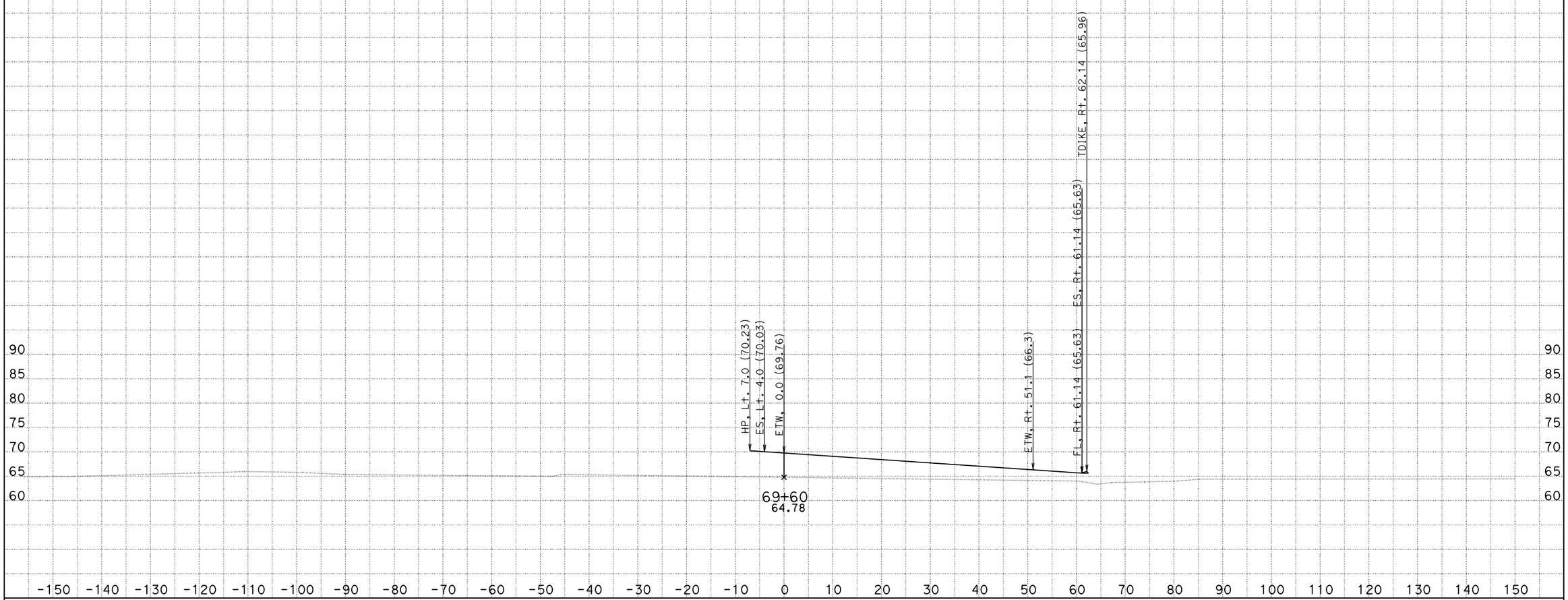
VA4
CROSS SECTIONS
SHEET 145 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

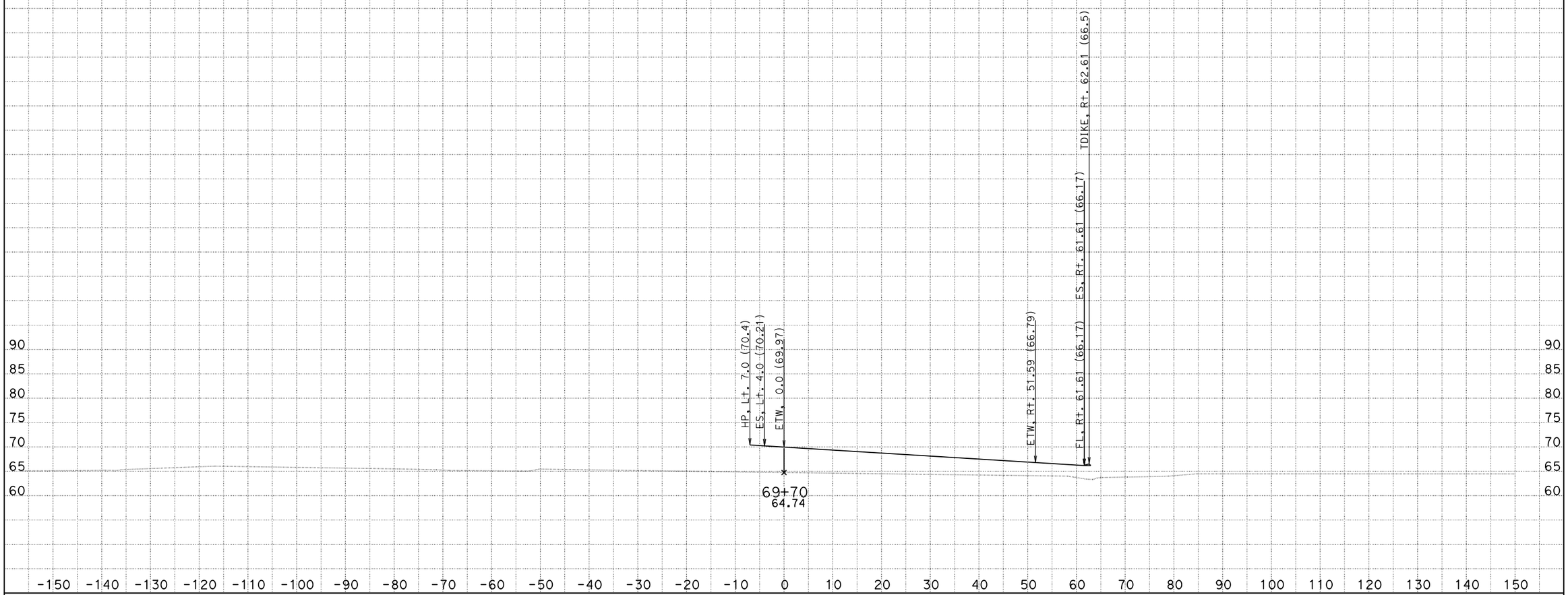
CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 146 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
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SCALE: 1" = 10' Horiz.
1" = 10' Vert.

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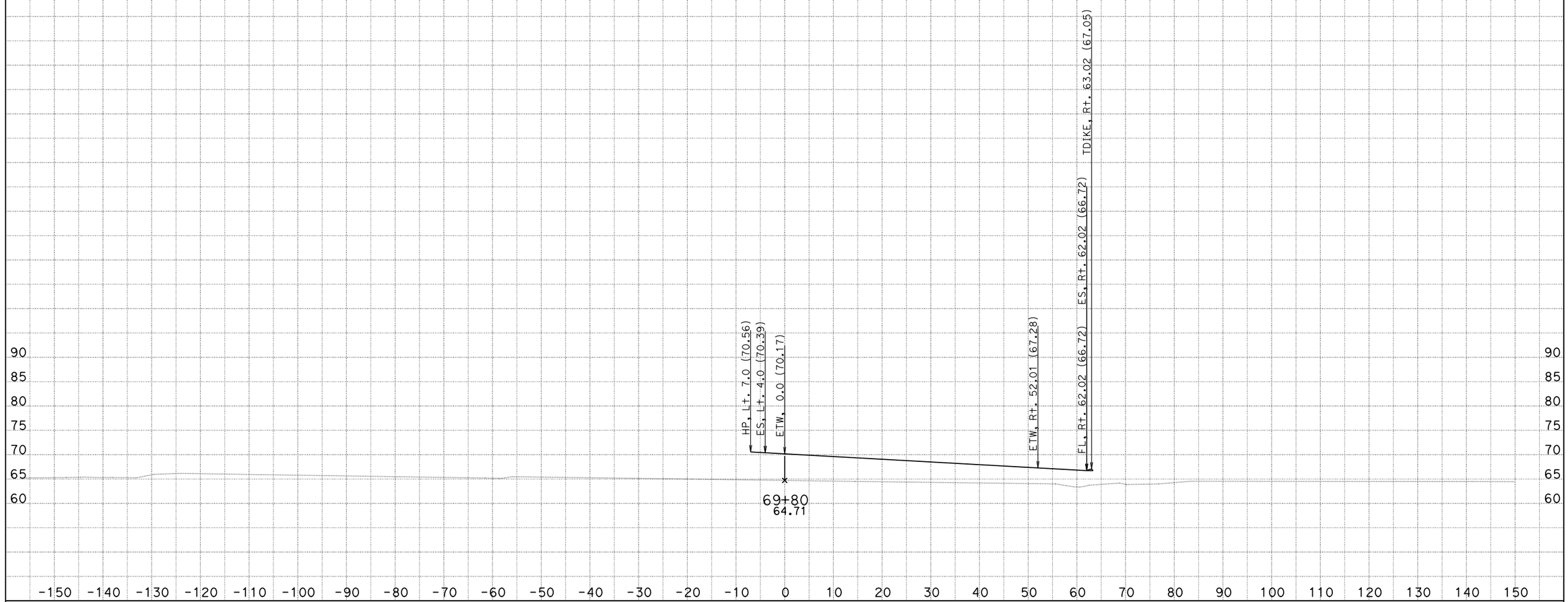
VA4
CROSS SECTIONS
SHEET 147 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
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Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
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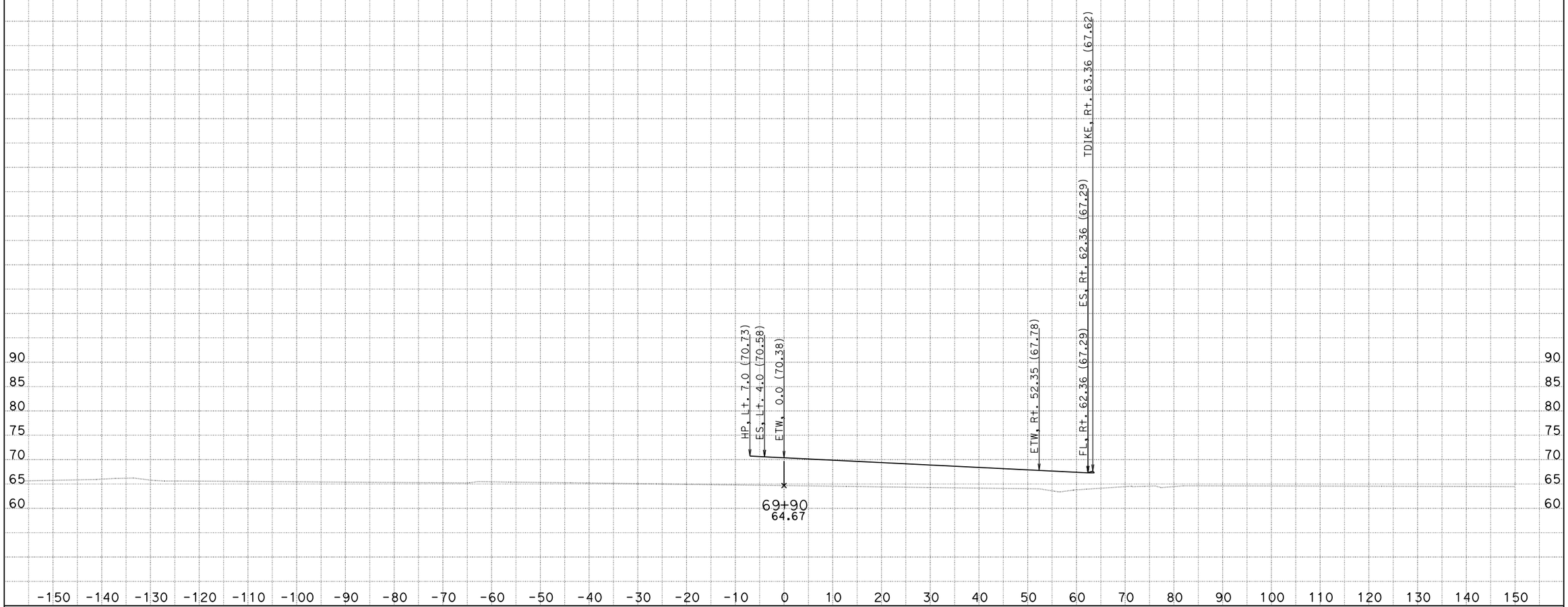
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 148 OF 180

DESIGN STUDY ONLY



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CONTRACT: 07-215921
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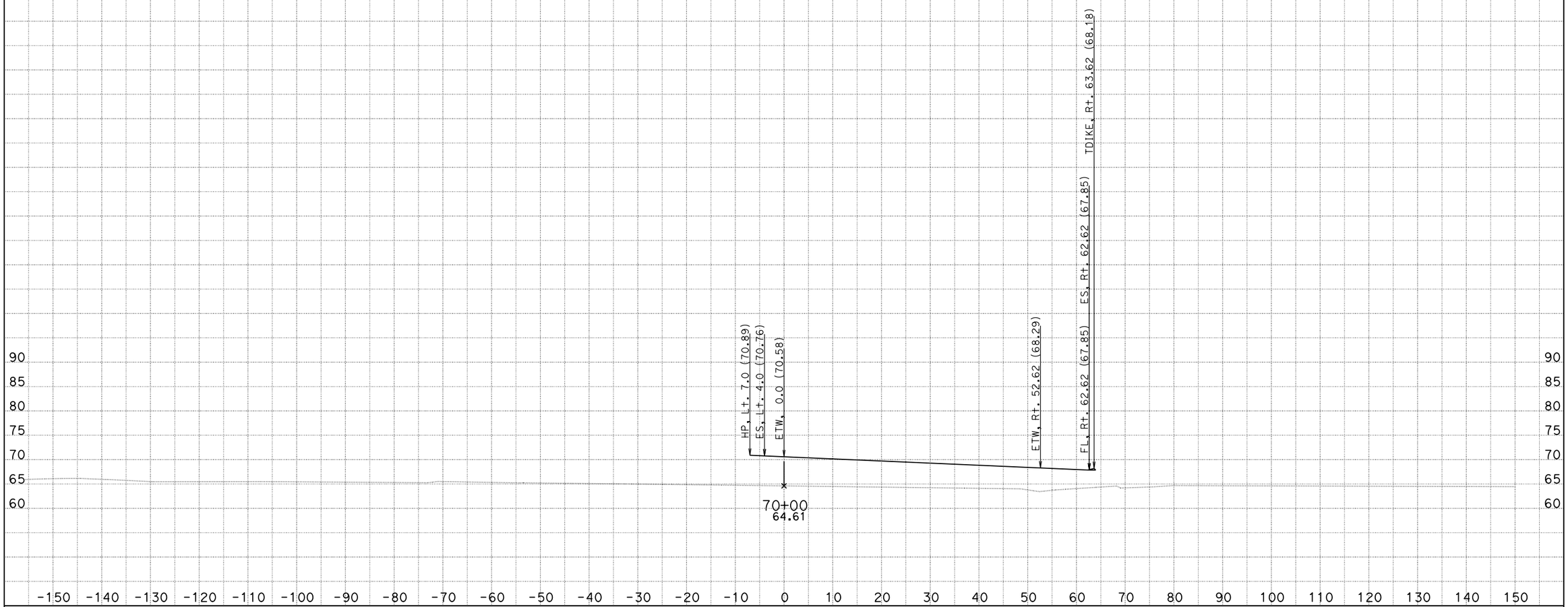
VA4
CROSS SECTIONS
SHEET 149 OF 180

DESIGN STUDY ONLY



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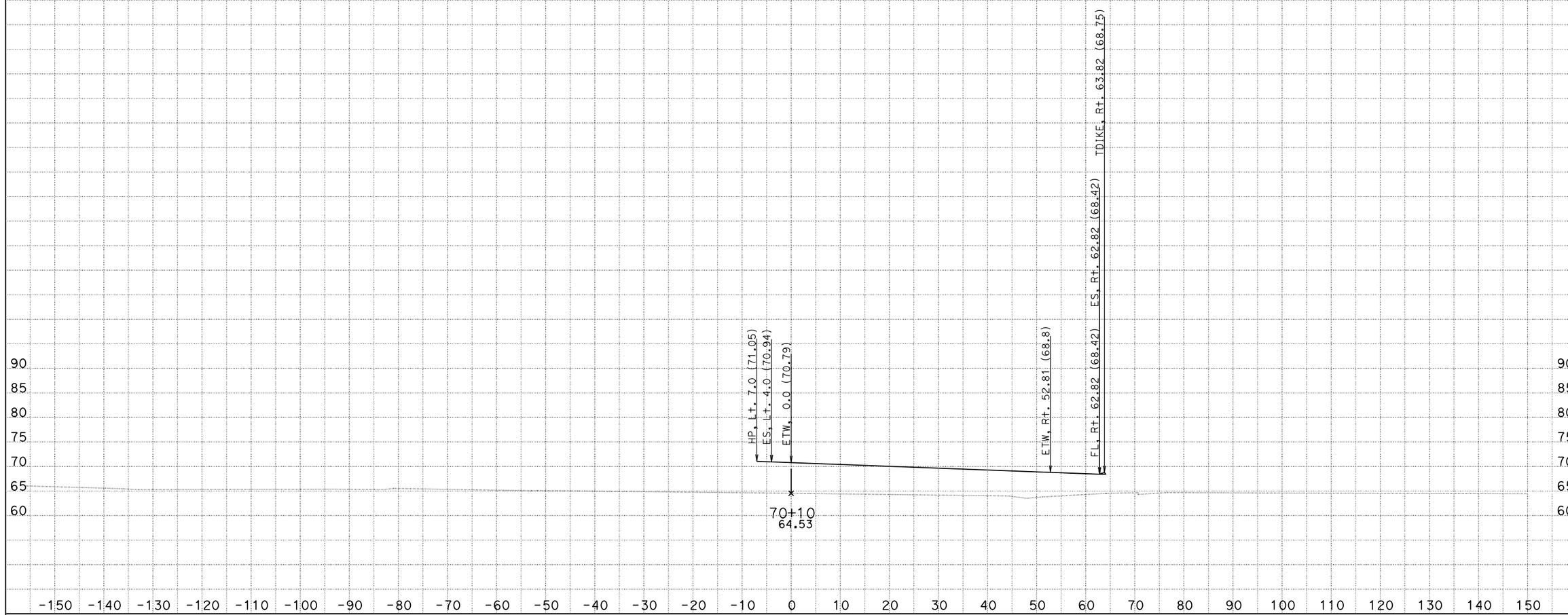
VA4
CROSS SECTIONS
SHEET 150 OF 180

DESIGN STUDY ONLY



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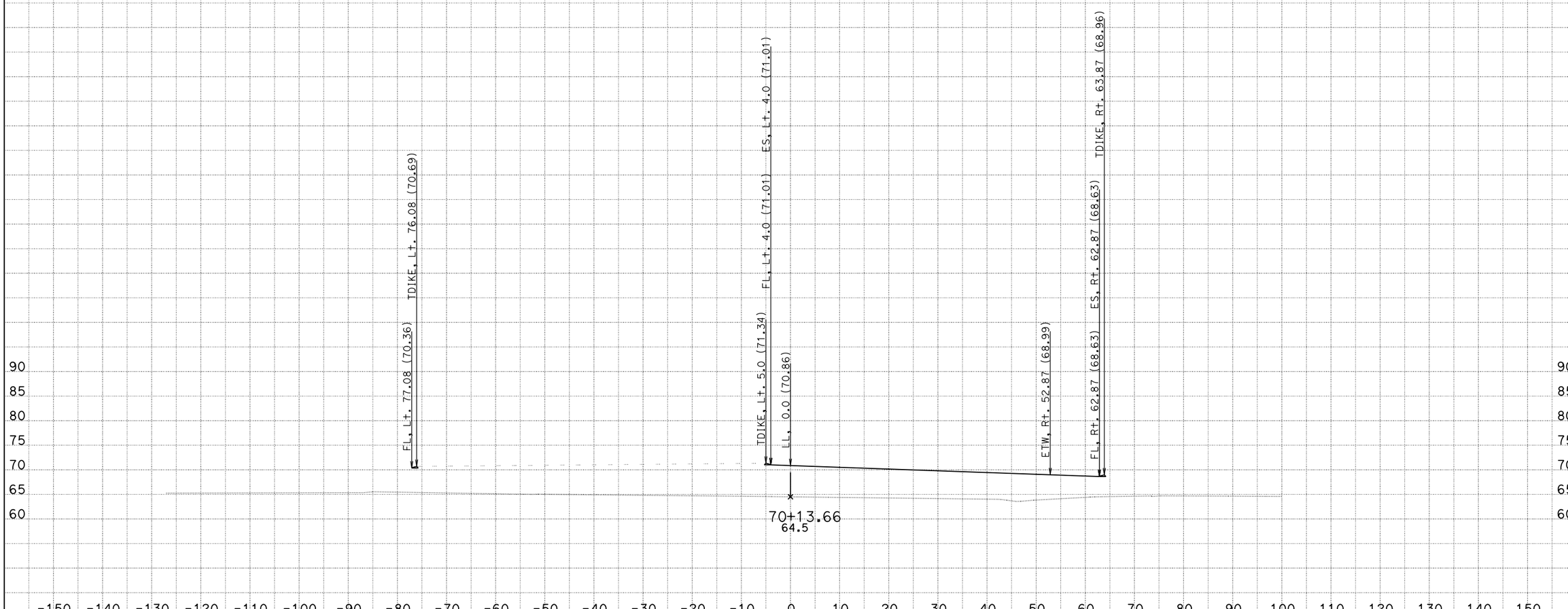
VA4
CROSS SECTIONS
SHEET 151 OF 180

DESIGN STUDY ONLY



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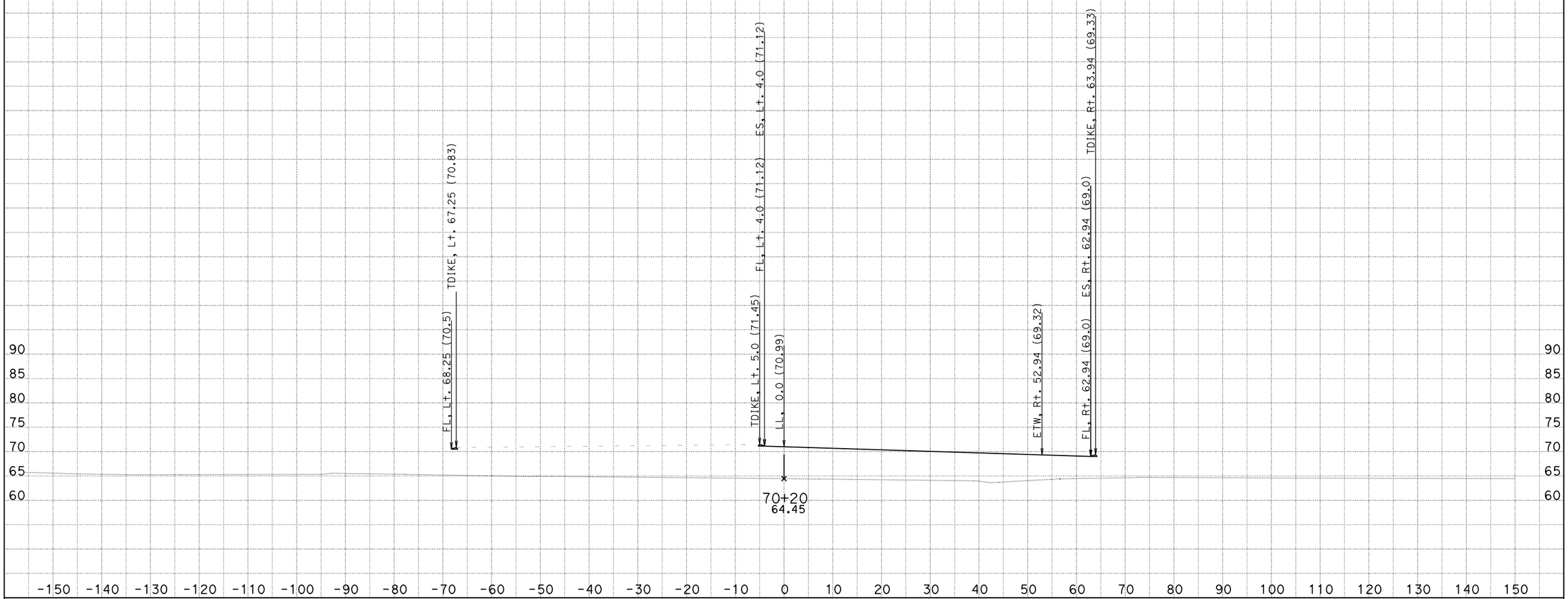
VA4
CROSS SECTIONS
SHEET 152 OF 180

DESIGN STUDY ONLY



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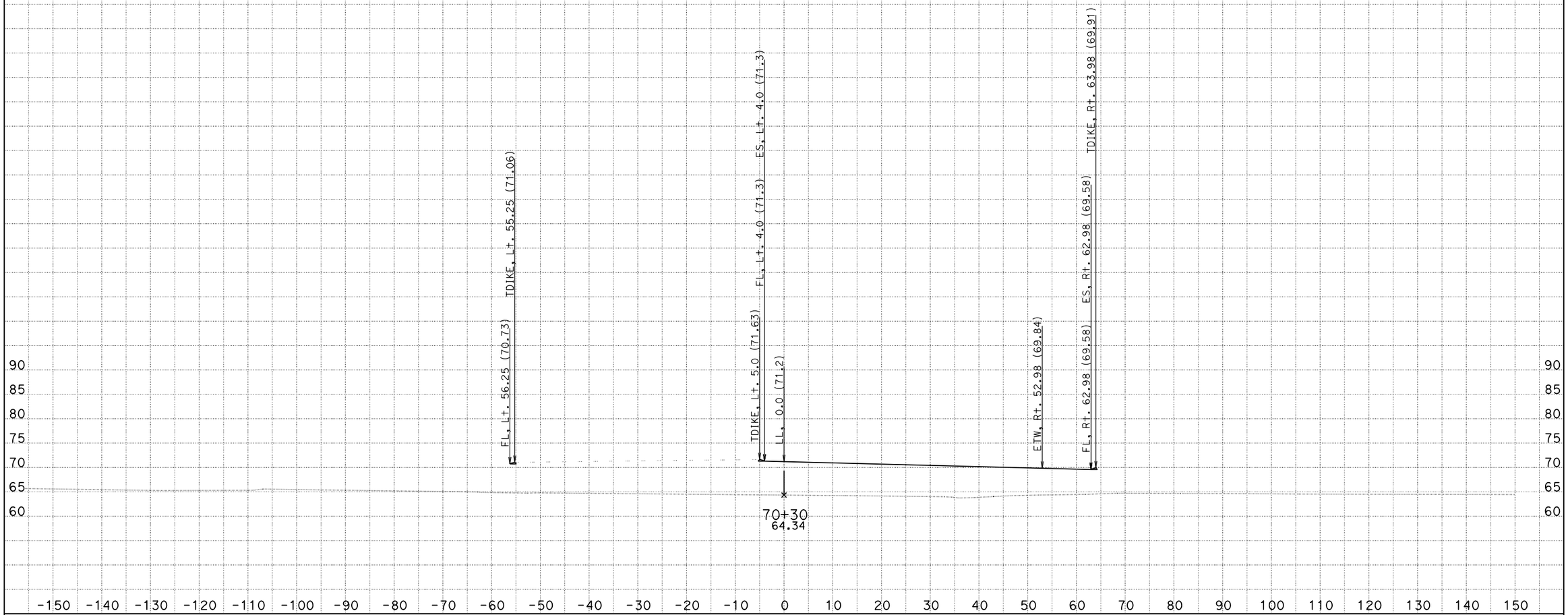
VA4
CROSS SECTIONS
SHEET 153 OF 180

DESIGN STUDY ONLY



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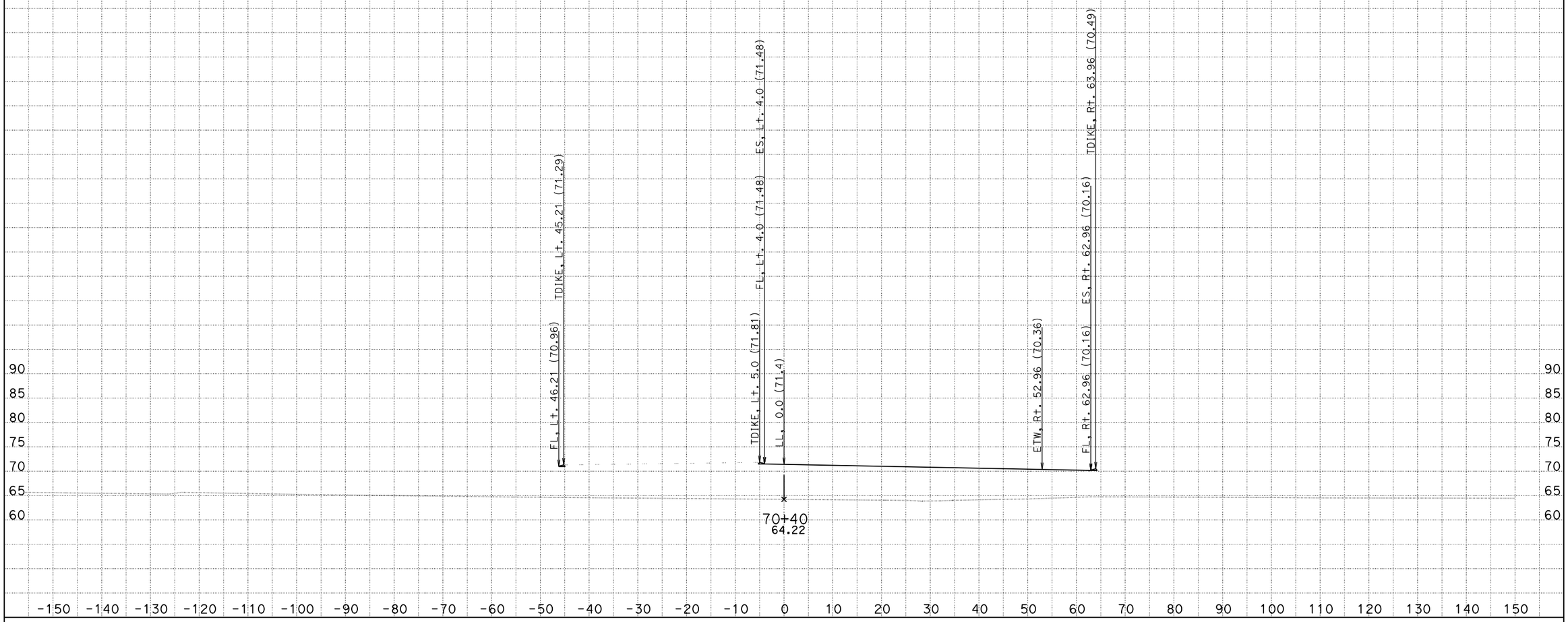
VA4
CROSS SECTIONS
SHEET 154 OF 180

DESIGN STUDY ONLY



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1" = 10' Vert.

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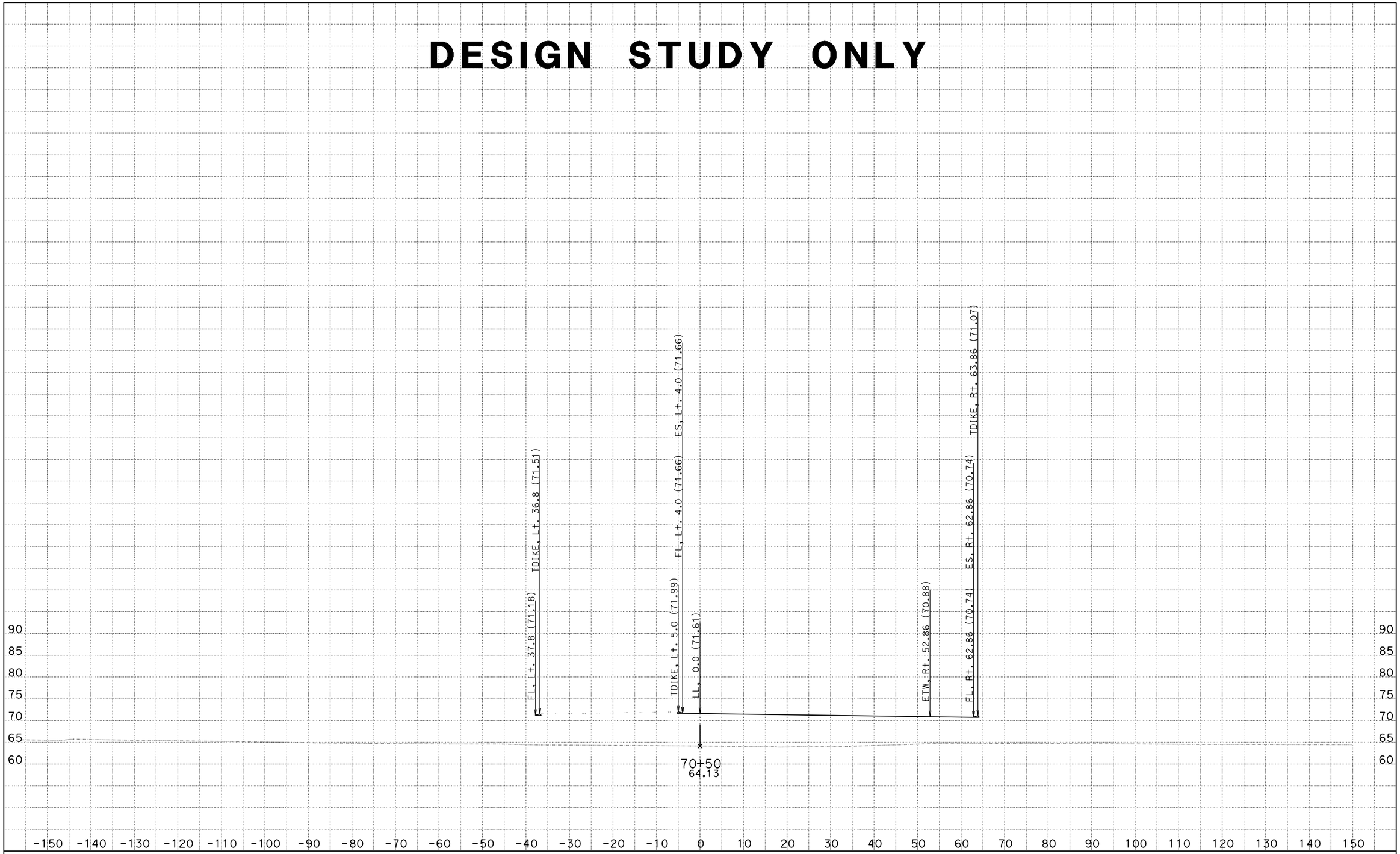
VA4
CROSS SECTIONS
SHEET 155 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
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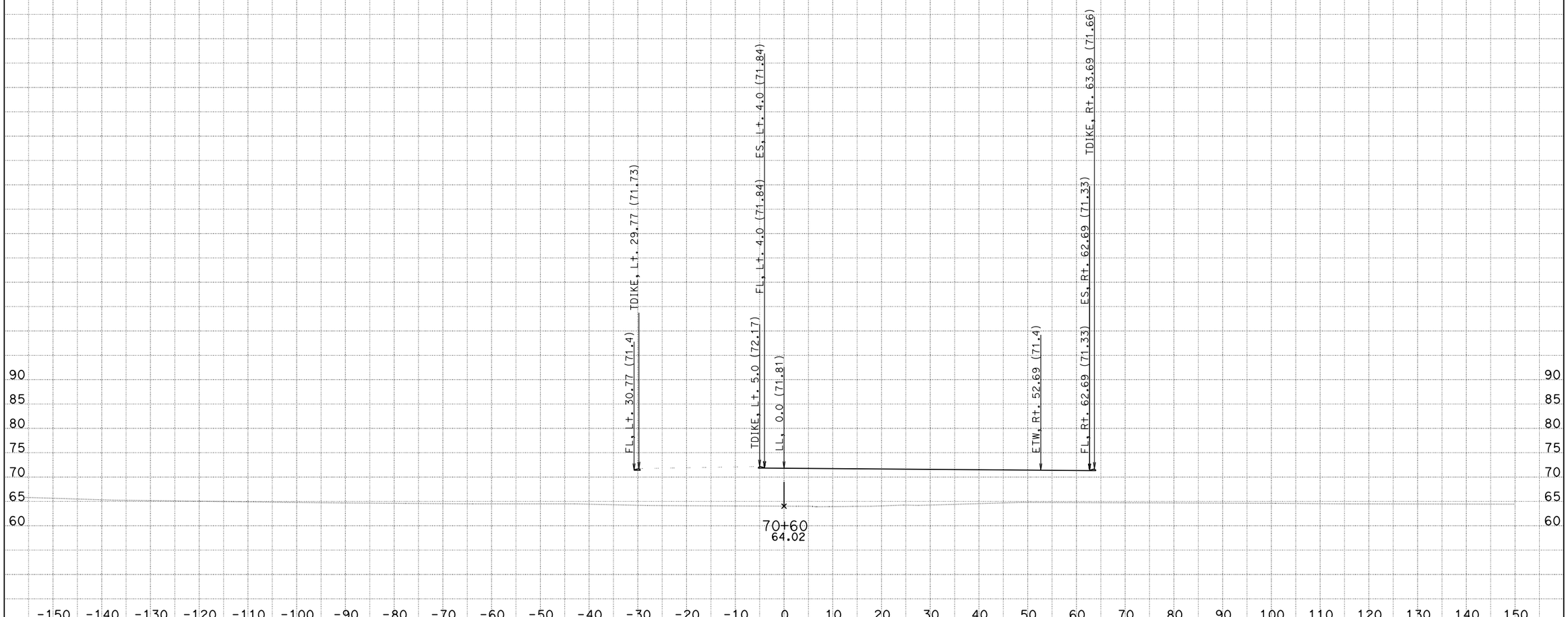
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 156 OF 180

DESIGN STUDY ONLY



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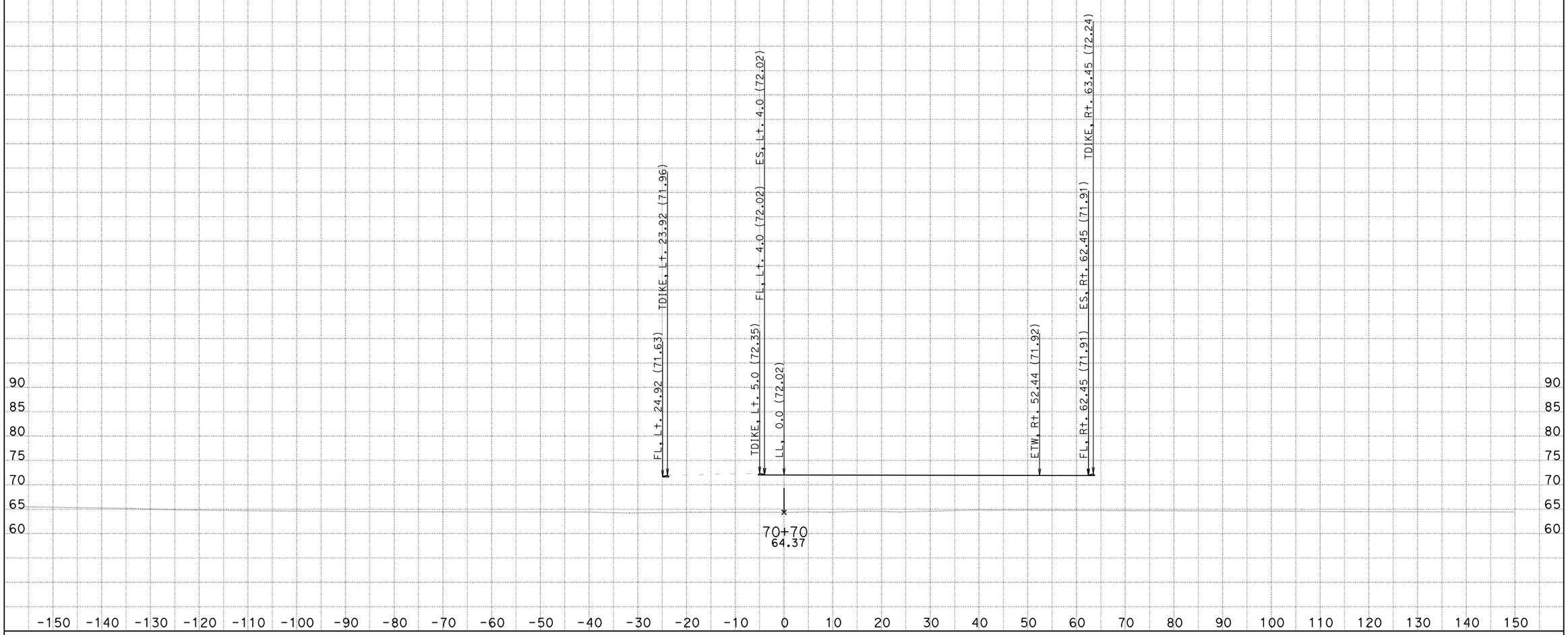
VA4
CROSS SECTIONS
SHEET 157 OF 180

DESIGN STUDY ONLY



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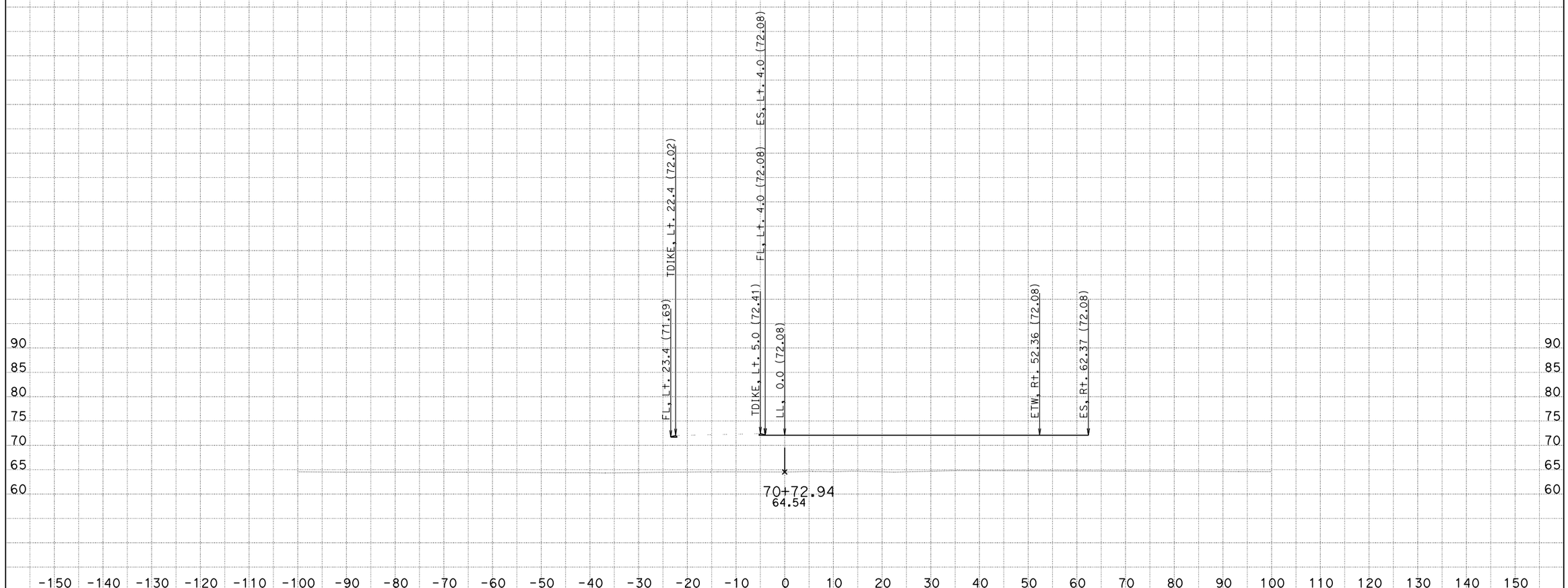
VA4
CROSS SECTIONS
SHEET 158 OF 180

DESIGN STUDY ONLY



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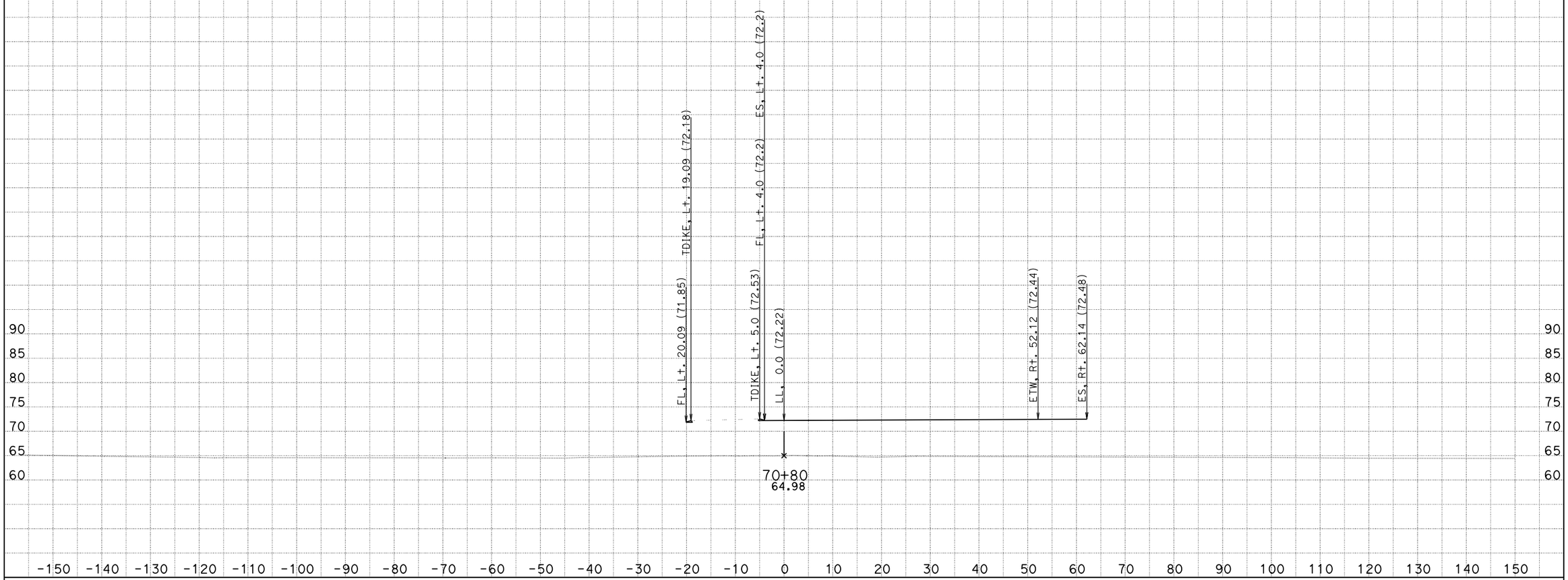
VA4
CROSS SECTIONS
SHEET 159 OF 180

DESIGN STUDY ONLY



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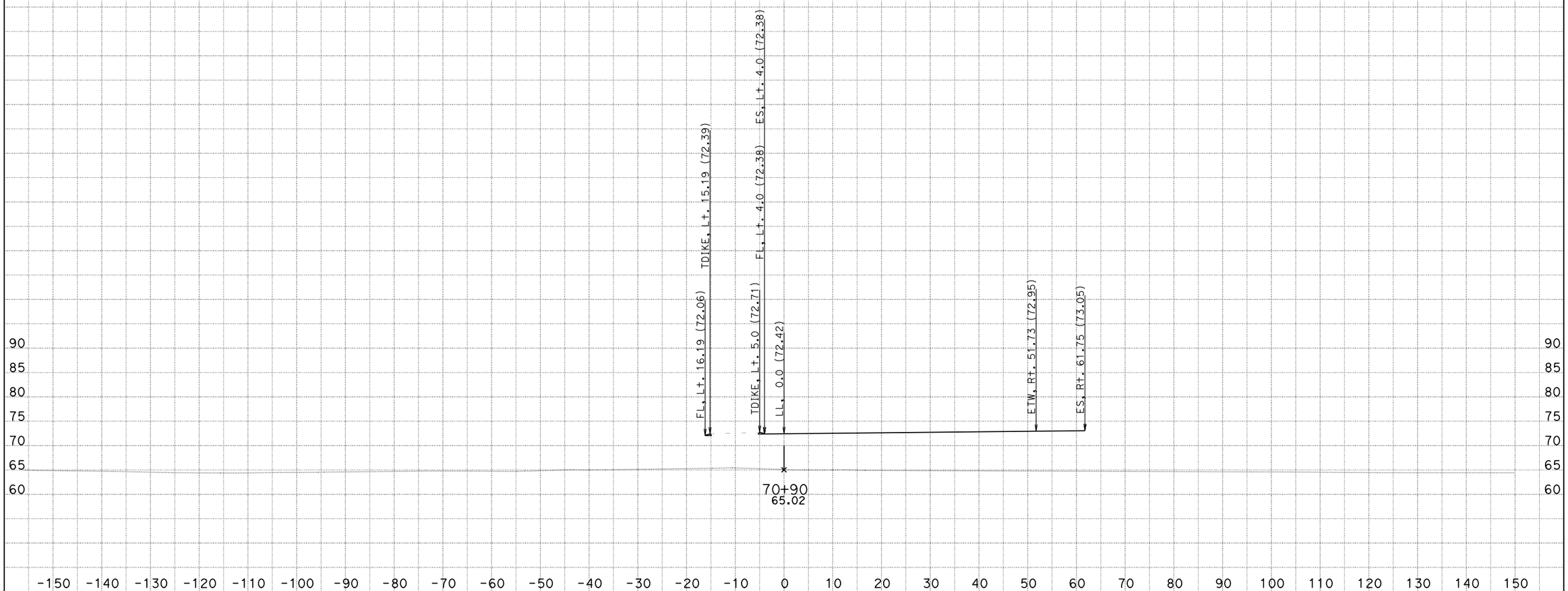
VA4
CROSS SECTIONS
SHEET 160 OF 180

DESIGN STUDY ONLY



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DATE: 8/28/2014
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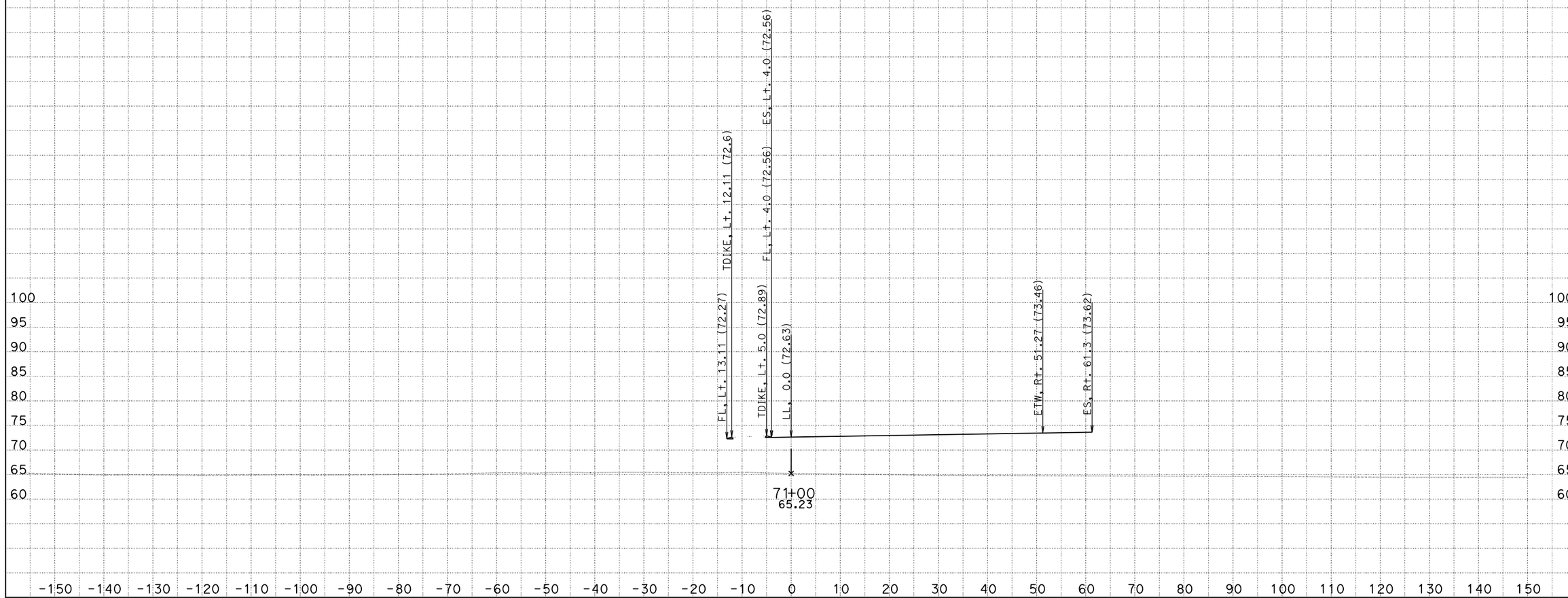
VA4
CROSS SECTIONS
SHEET 161 OF 180

DESIGN STUDY ONLY



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SCALE: 1" = 10' Horiz.
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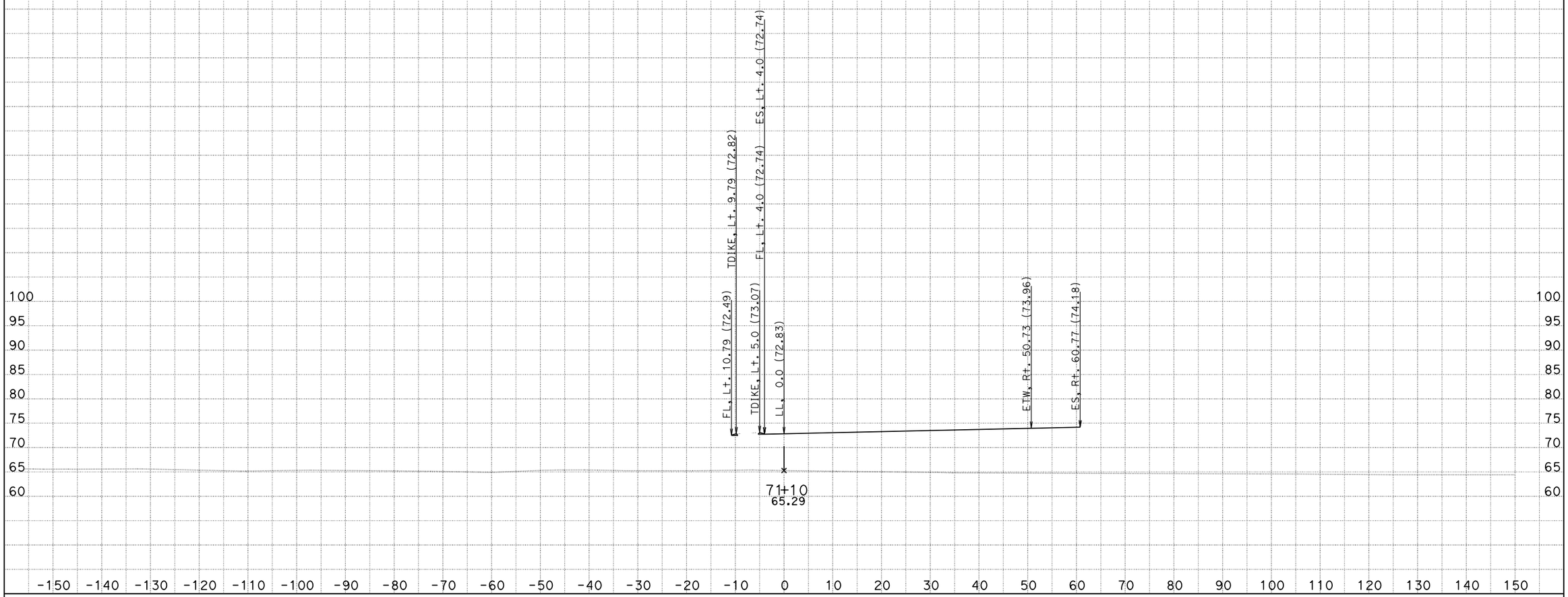
VA4
CROSS SECTIONS
SHEET 162 OF 180

DESIGN STUDY ONLY



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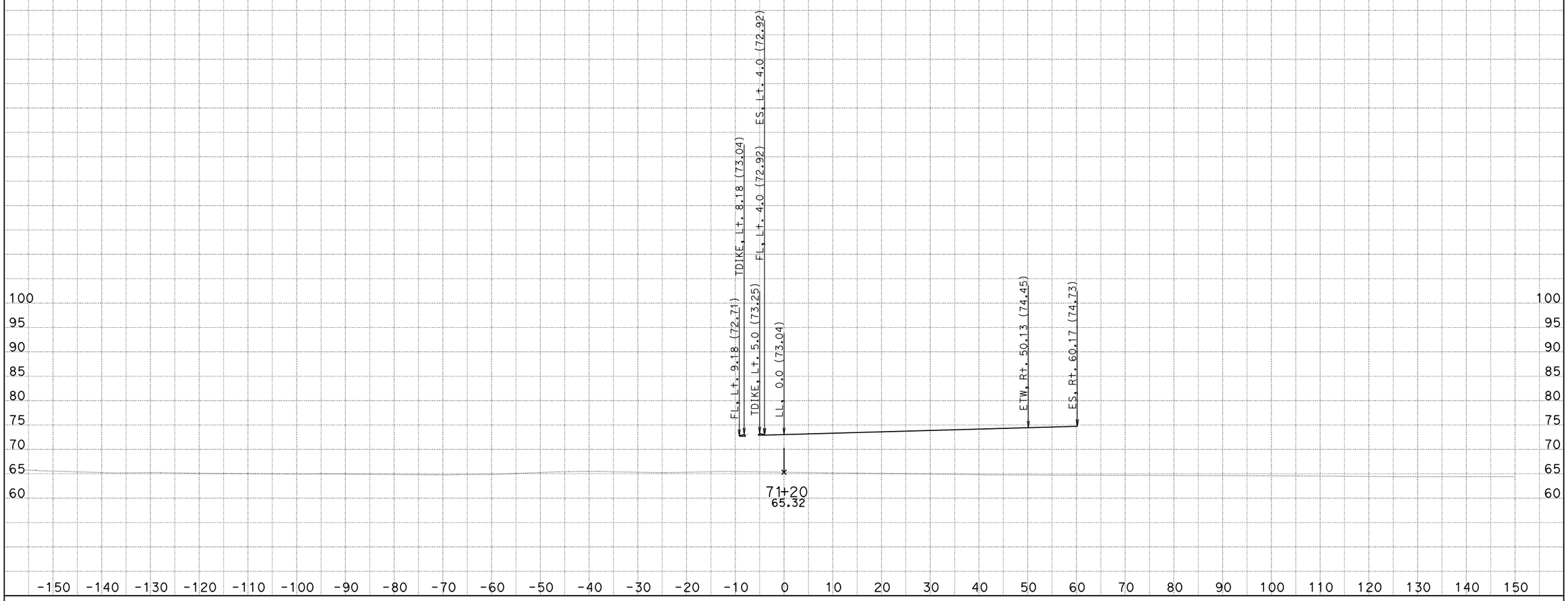
VA4
CROSS SECTIONS
SHEET 163 OF 180

DESIGN STUDY ONLY



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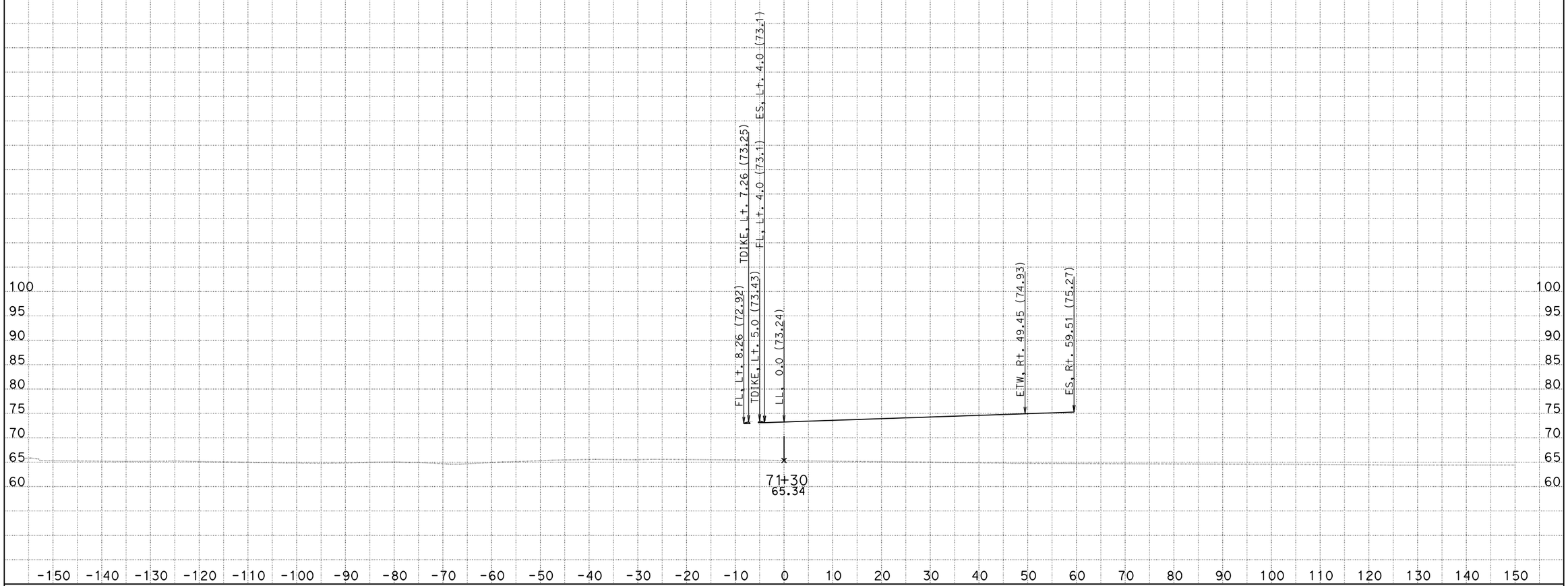
VA4
CROSS SECTIONS
SHEET 164 OF 180

DESIGN STUDY ONLY



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SCALE: 1" = 10' Horiz.
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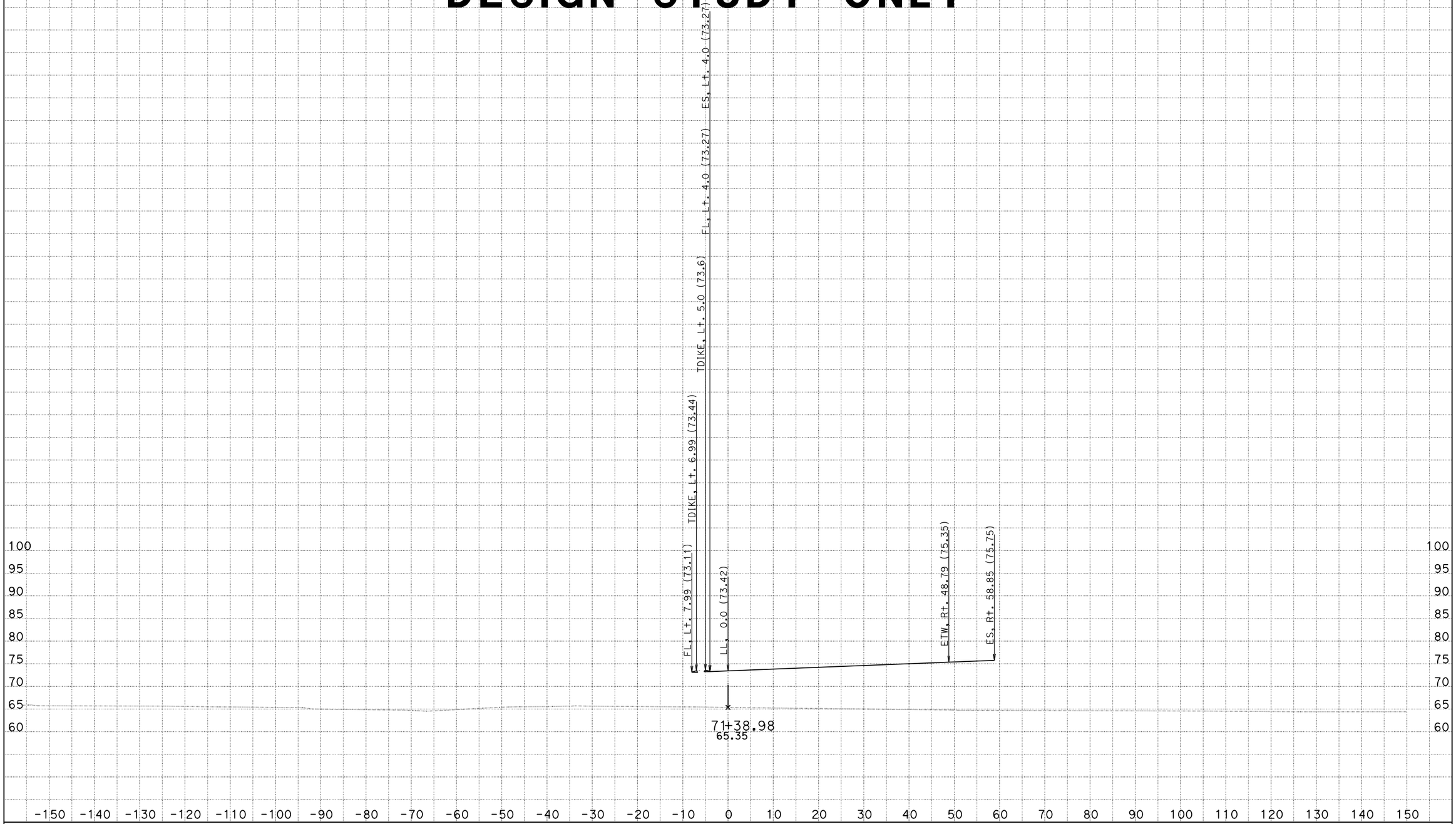
VA4
CROSS SECTIONS
SHEET 165 OF 180

DESIGN STUDY ONLY



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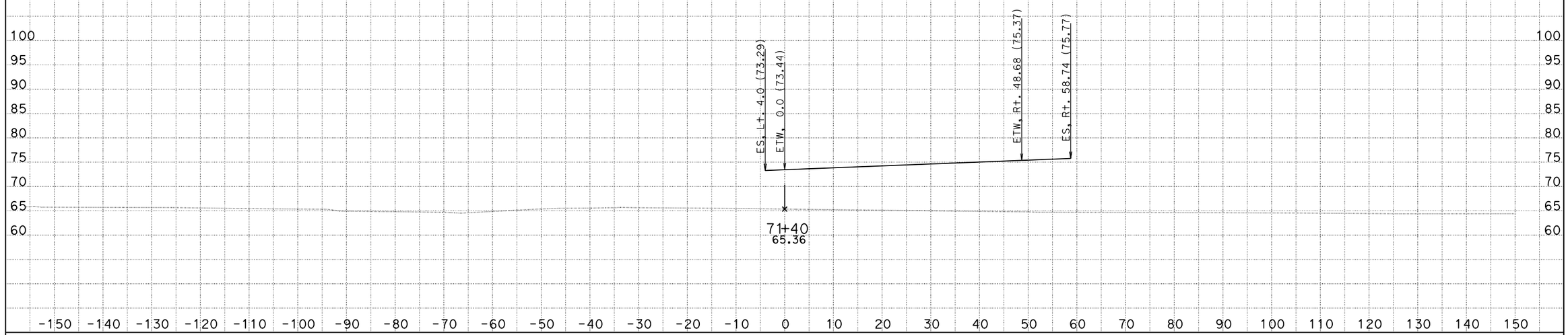
All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
SHEET 166 OF 180

DESIGN STUDY ONLY



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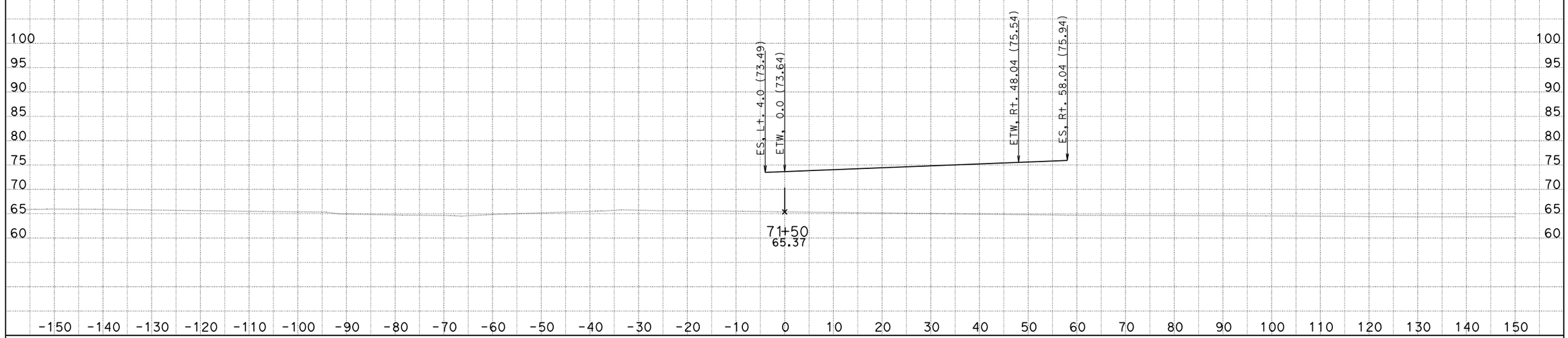
VA4
CROSS SECTIONS
SHEET 167 OF 180

DESIGN STUDY ONLY



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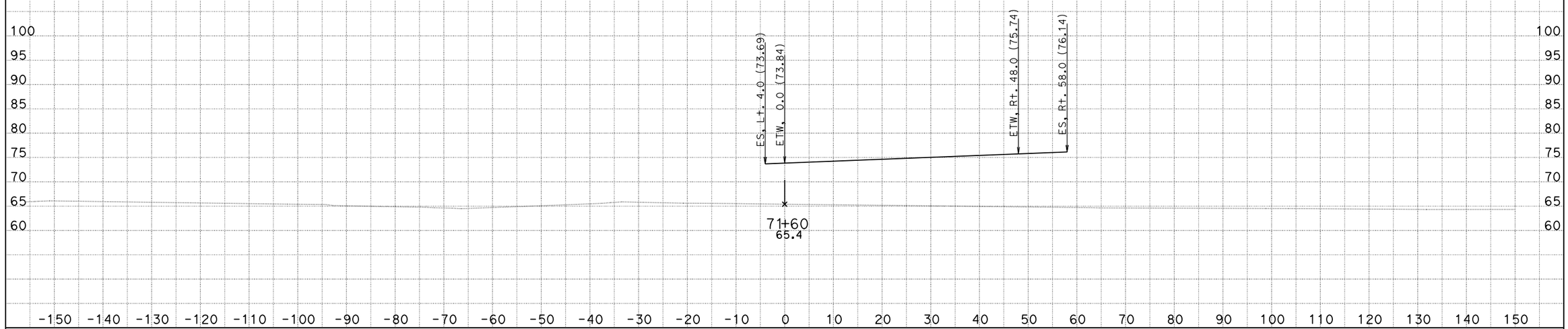
VA4
CROSS SECTIONS
SHEET 168 OF 180

DESIGN STUDY ONLY



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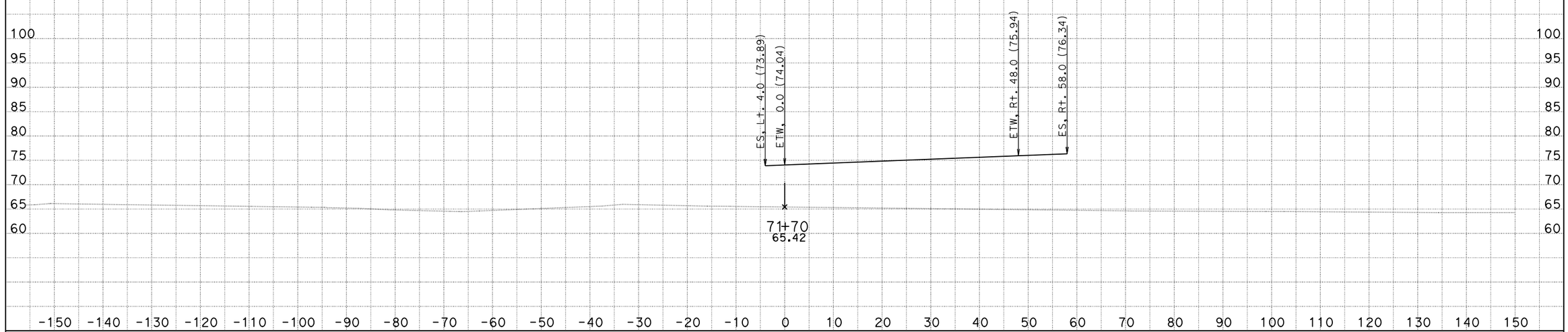
VA4
CROSS SECTIONS
SHEET 169 OF 180

DESIGN STUDY ONLY



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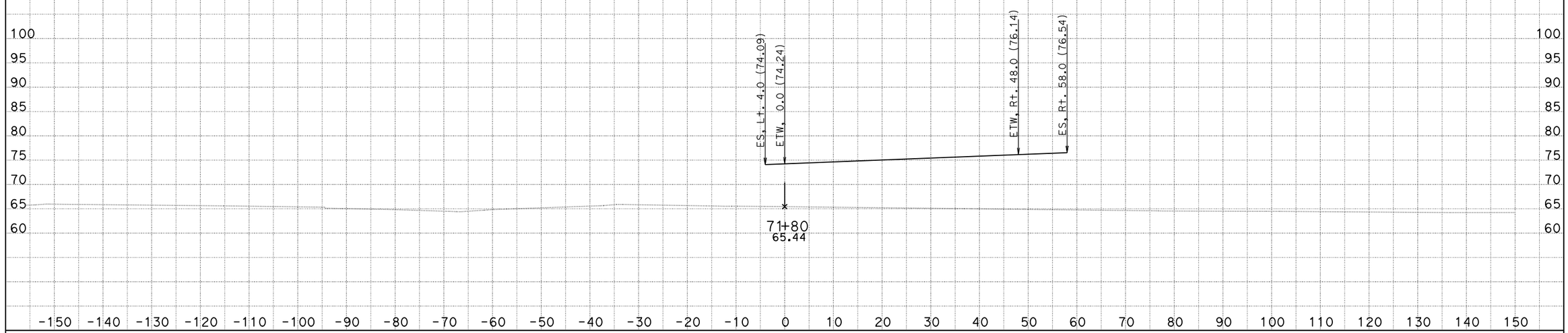
VA4
CROSS SECTIONS
SHEET 170 OF 180

DESIGN STUDY ONLY



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VA4
CROSS SECTIONS
SHEET 171 OF 180

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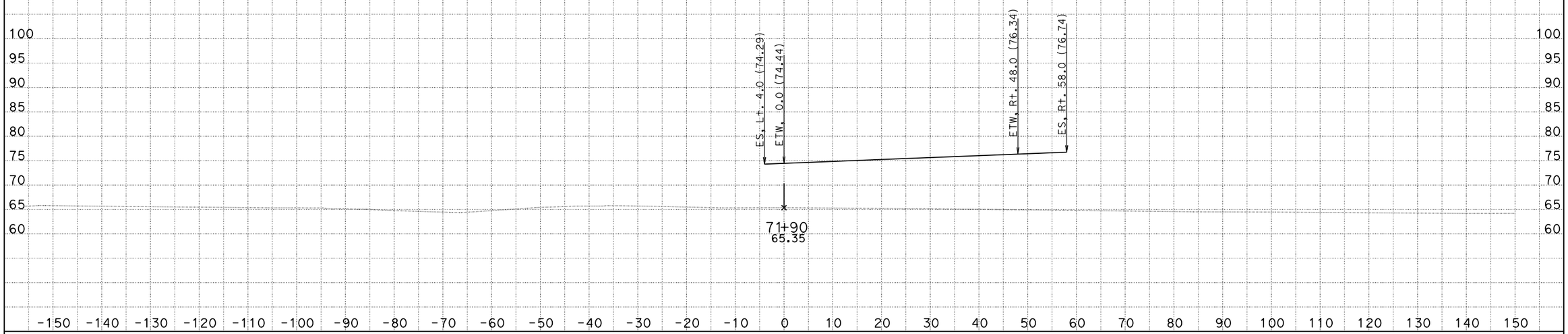

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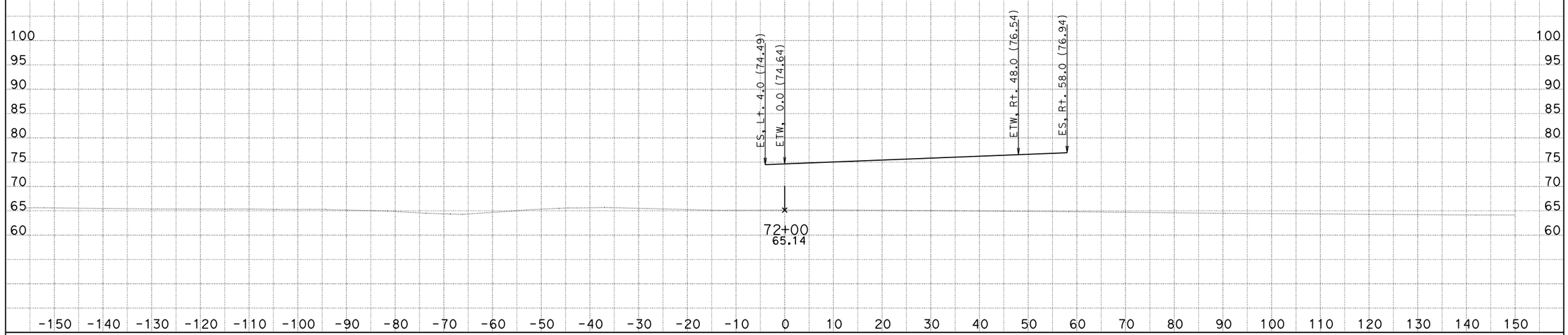
VA4
CROSS SECTIONS
SHEET 172 OF 180

DESIGN STUDY ONLY



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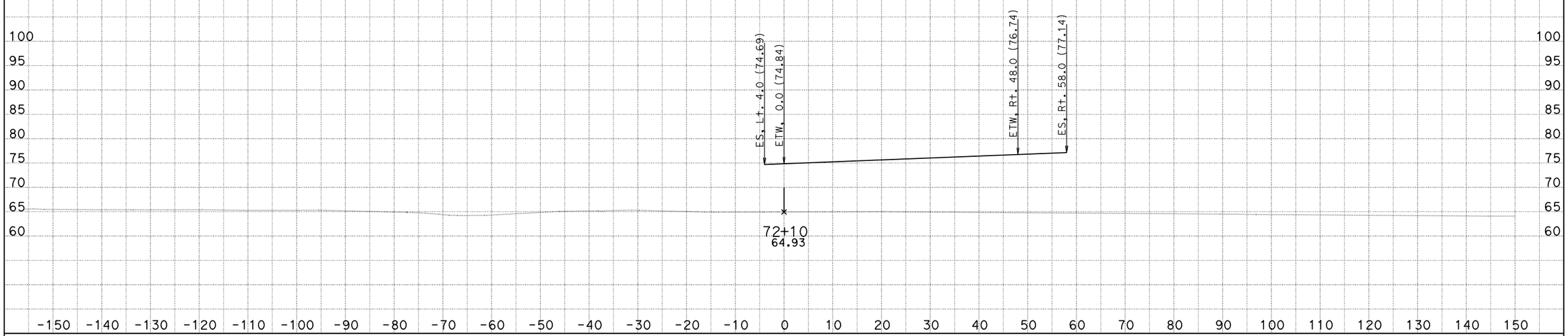
VA4
CROSS SECTIONS
SHEET 173 OF 180

DESIGN STUDY ONLY



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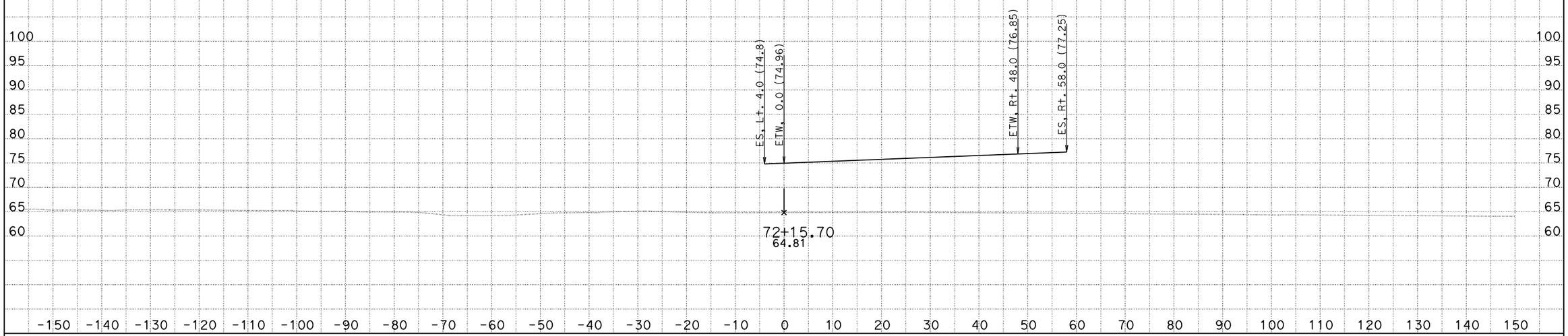
VA4
CROSS SECTIONS
SHEET 174 OF 180

DESIGN STUDY ONLY



CREATED BY: Eduardo M. Del Pilar, Engineer
DATE: 8/28/2014
Project Engineer: Hue-Shyon Chen; Project Manager: Diaa A. Yassin

CONTRACT: 07-215921
DIST/CO/RTE/PM: 07/LA, Ora/5/0.0-1.5
PROJECT ID: 0700001832

SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
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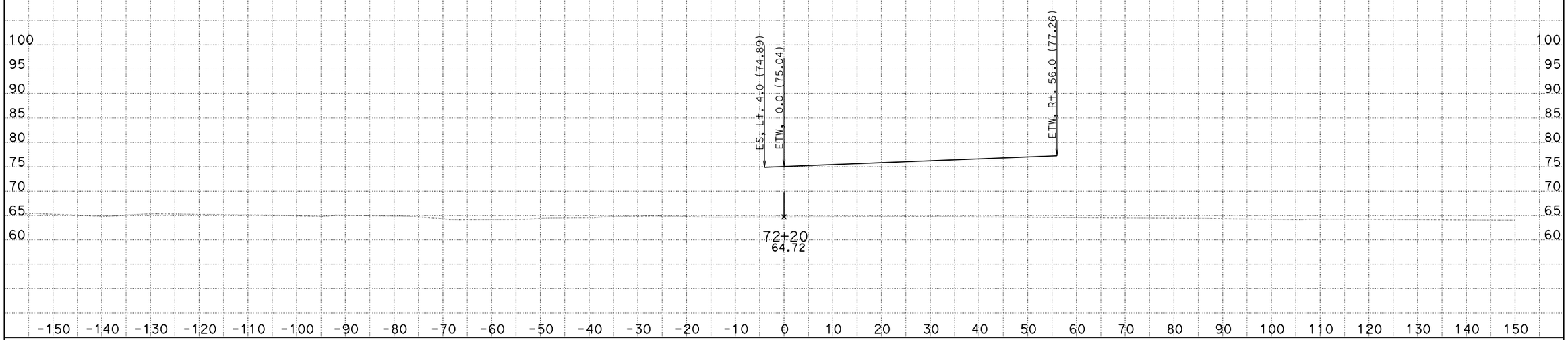
DESIGN STUDY ONLY



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1" = 10' Vert.

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VA4
CROSS SECTIONS
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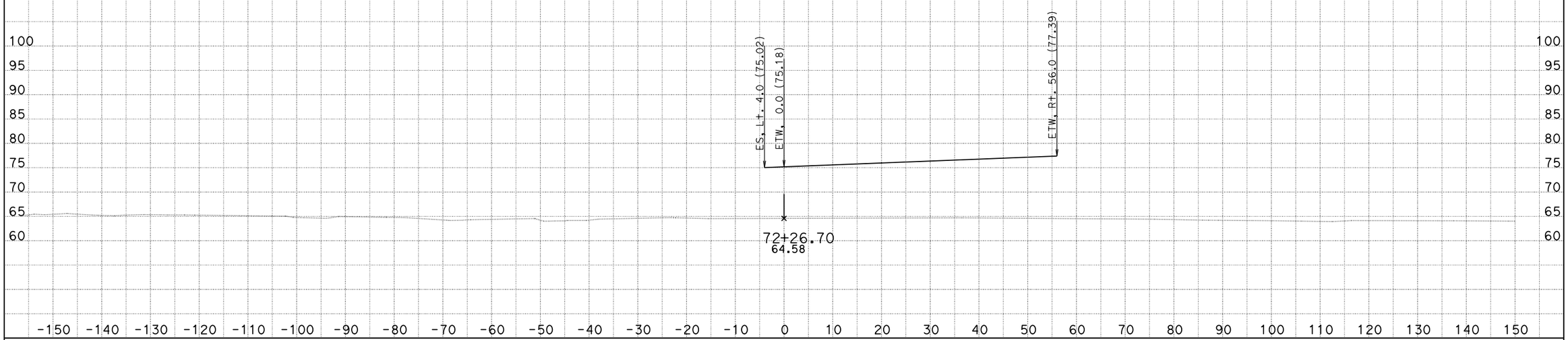
DESIGN STUDY ONLY



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1" = 10' Vert.

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VA4
CROSS SECTIONS
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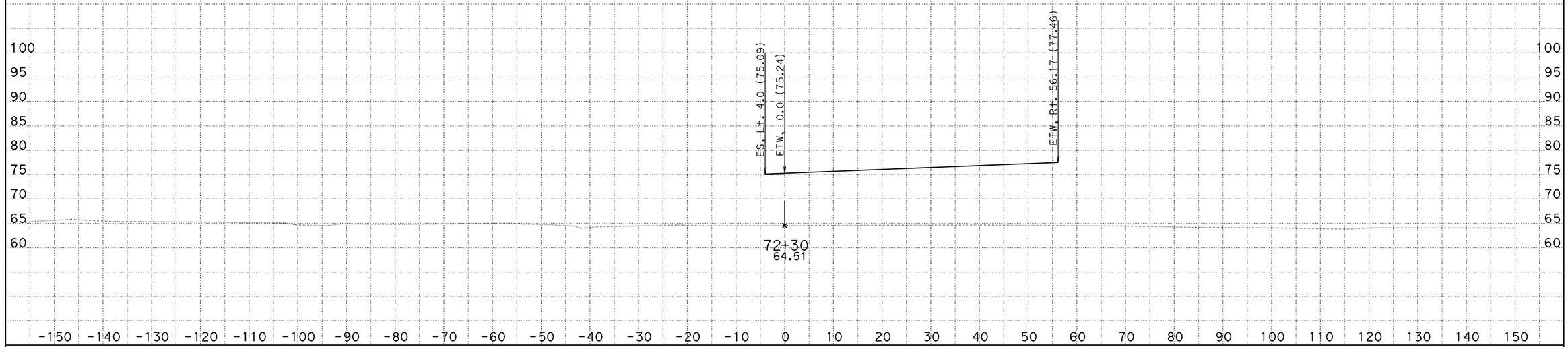
DESIGN STUDY ONLY



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CONTRACT: 07-215921
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1" = 10' Vert.

All Dimensions are US Survey Feet

VA4
CROSS SECTIONS
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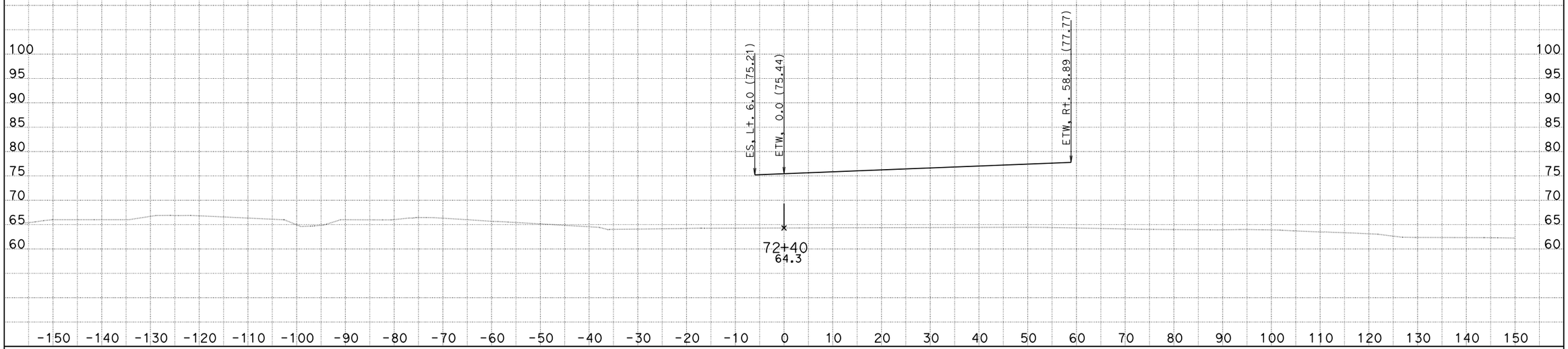
DESIGN STUDY ONLY



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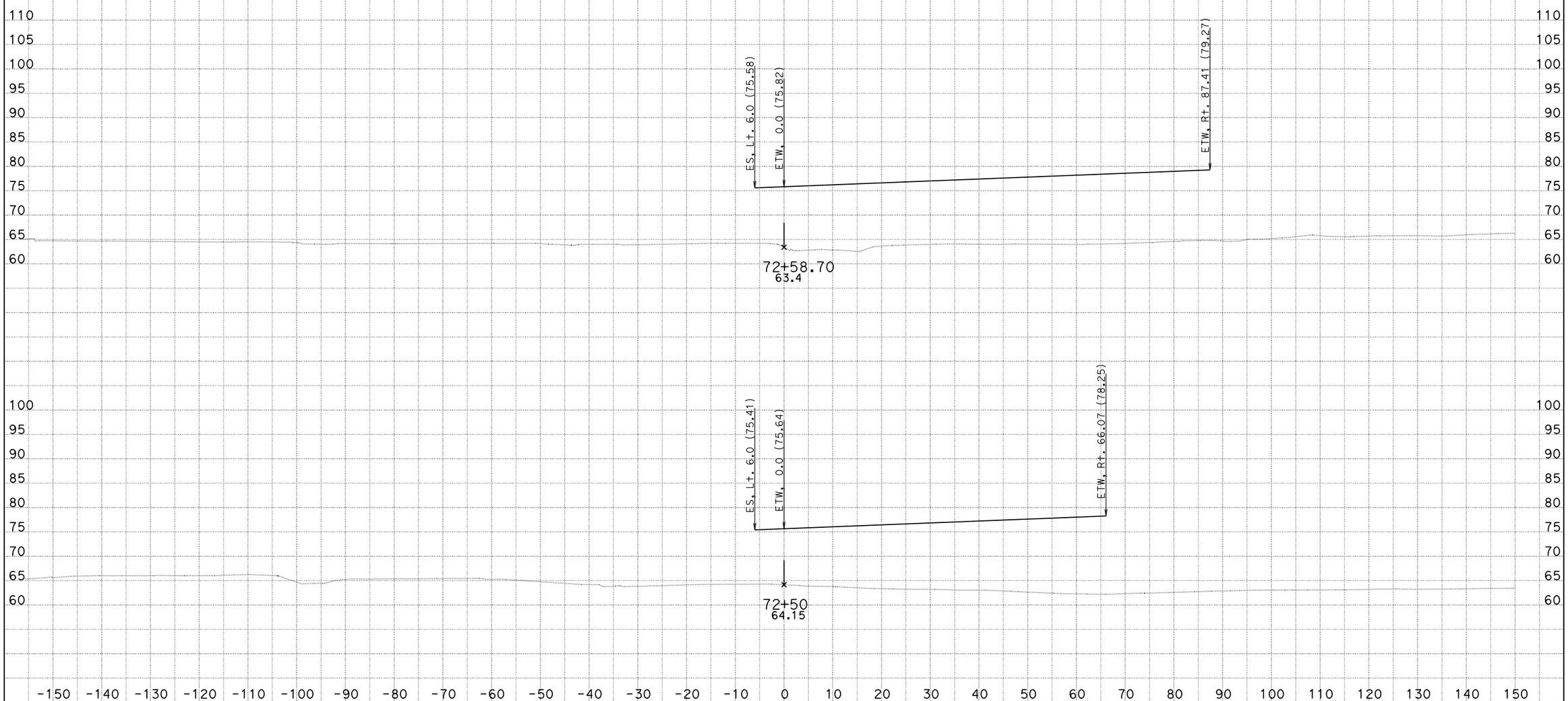
VA4
CROSS SECTIONS
SHEET 179 OF 180

DESIGN STUDY ONLY



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CROSS SECTIONS
SHEET 180 OF 180