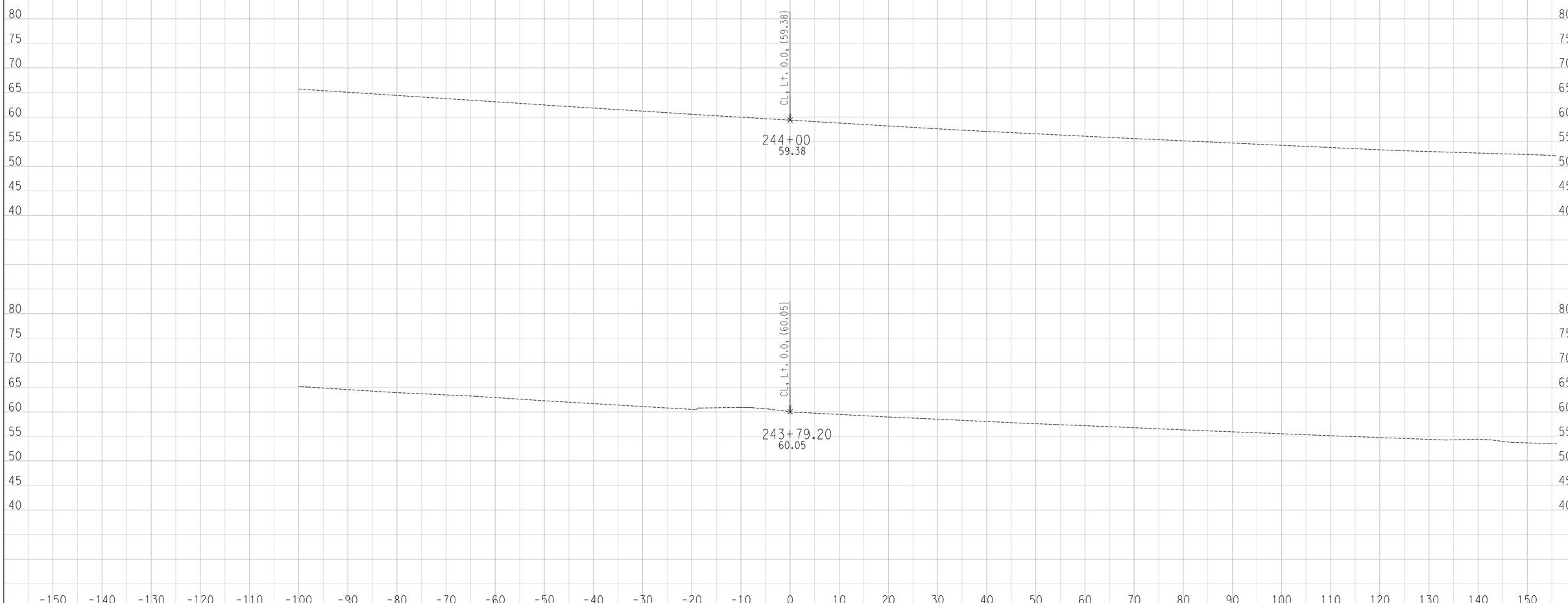
DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

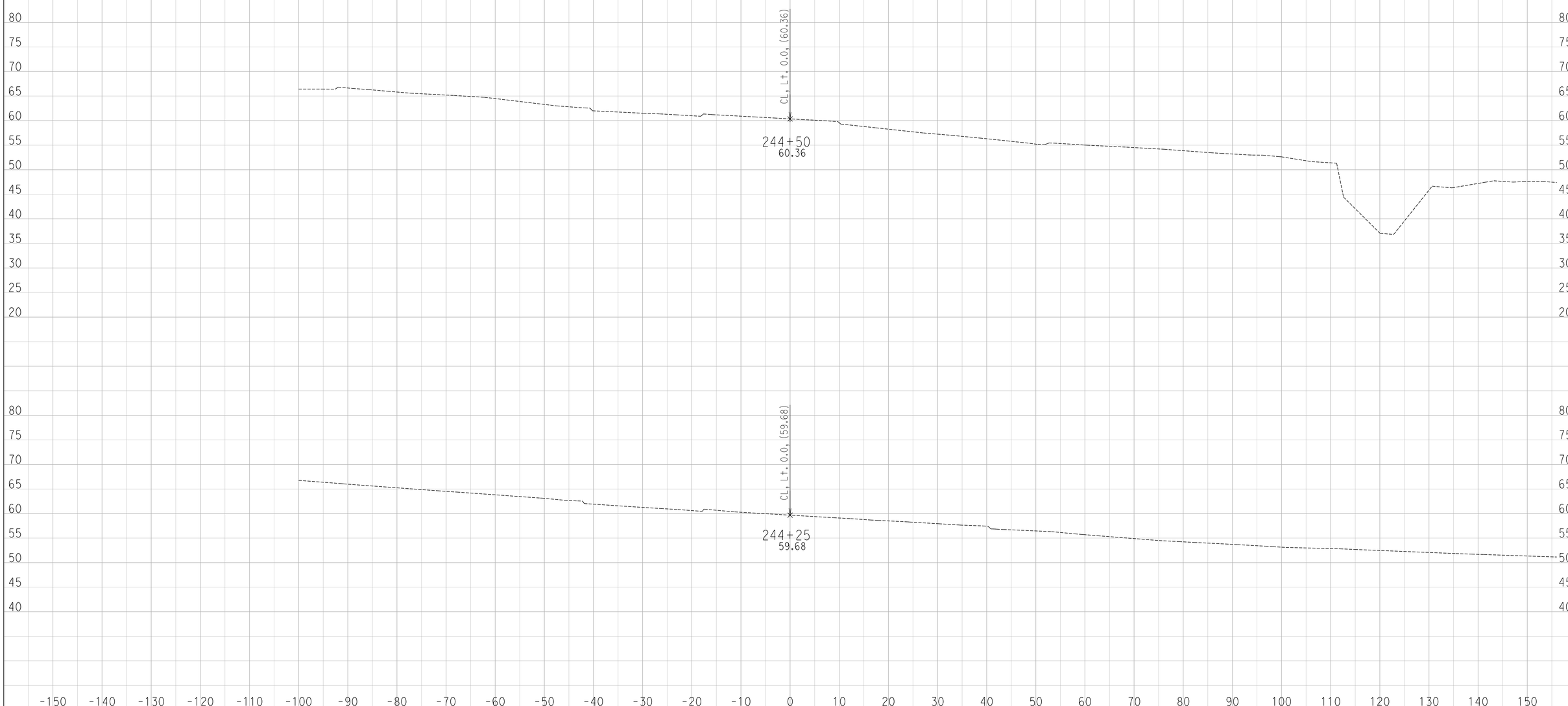
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 1 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

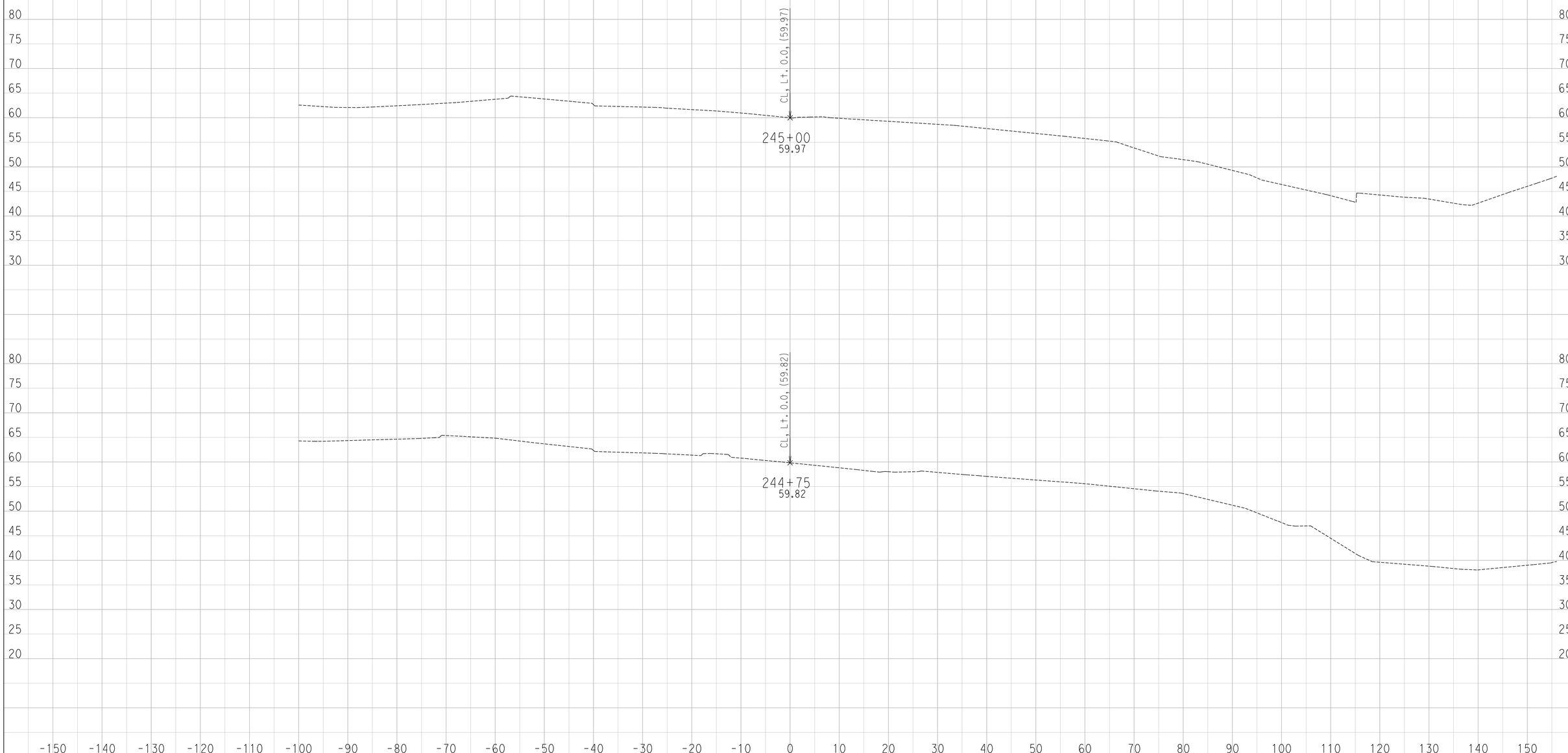
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

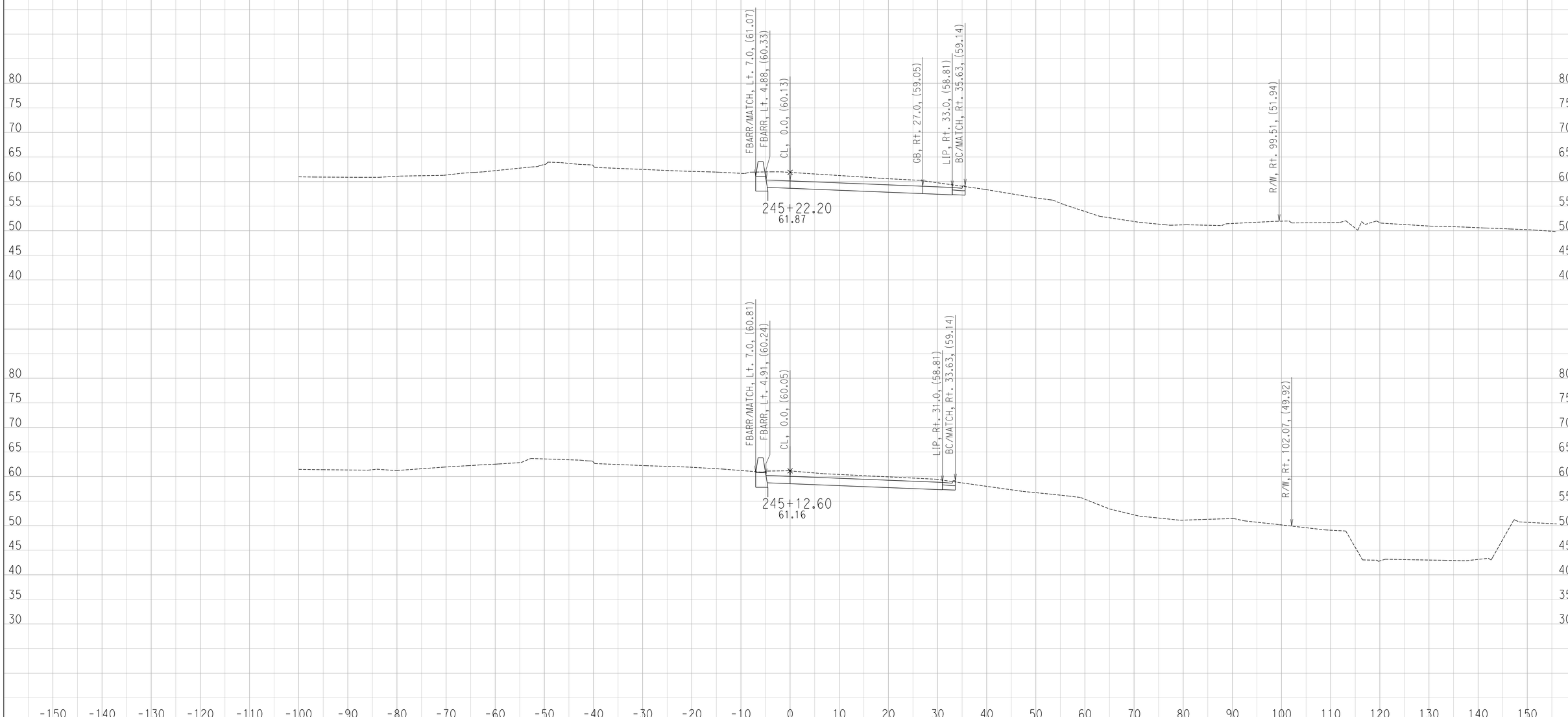
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 3 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

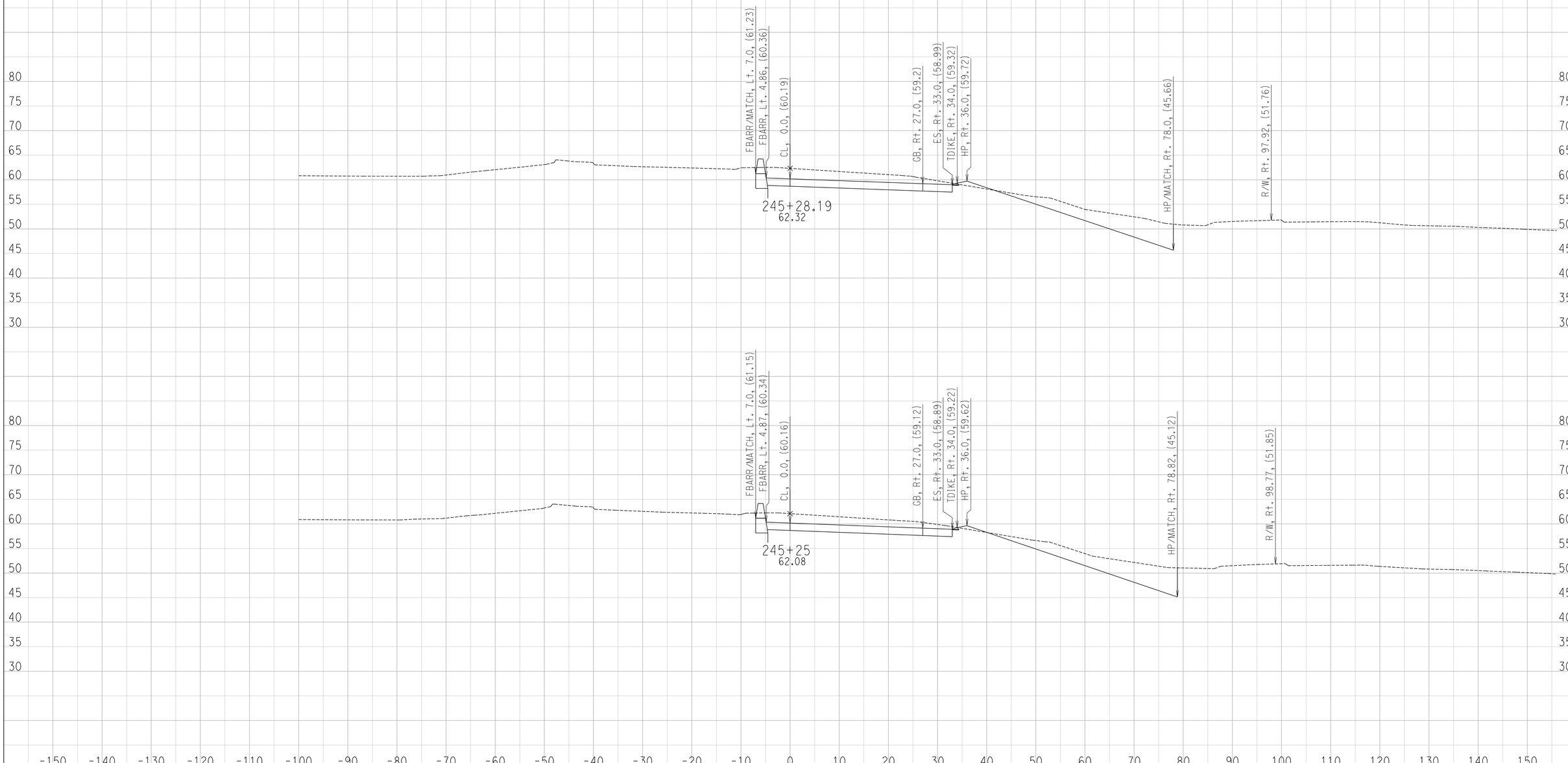
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

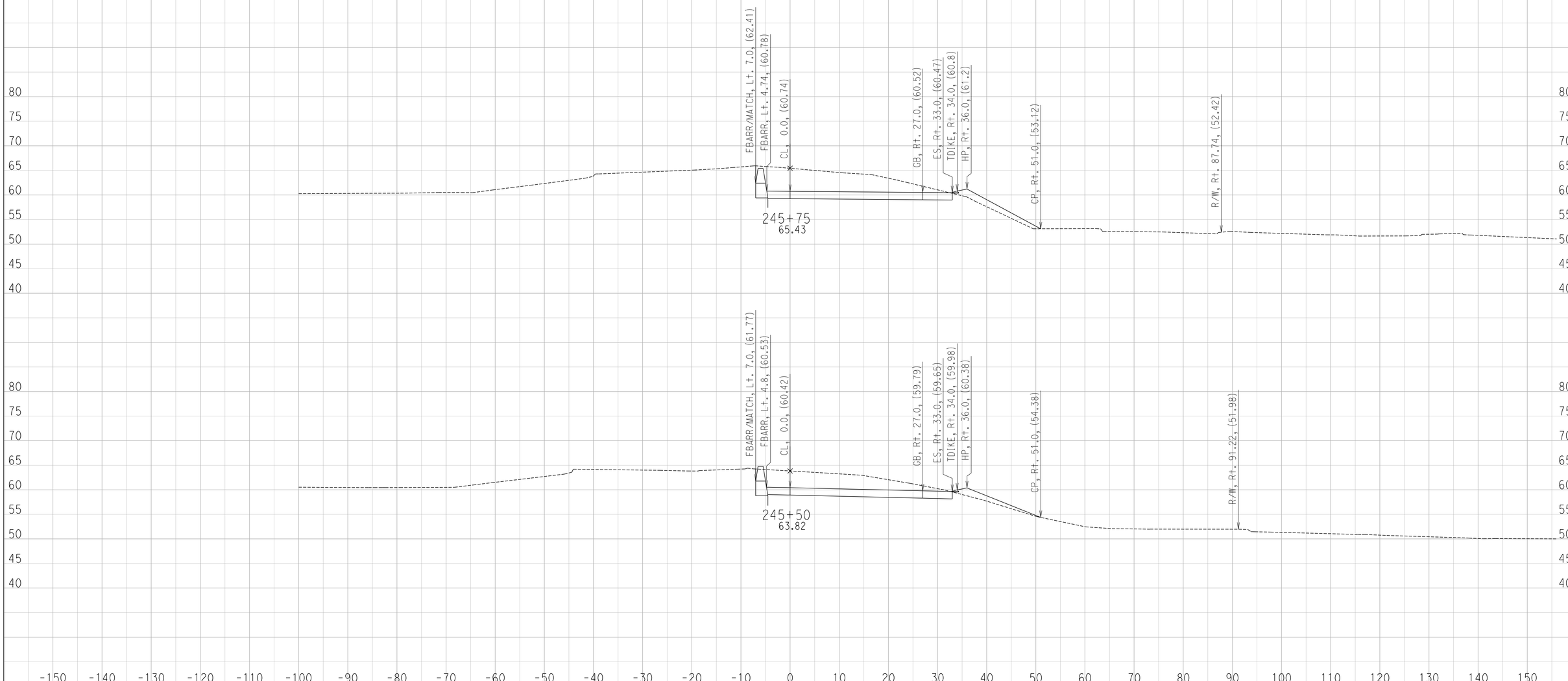
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

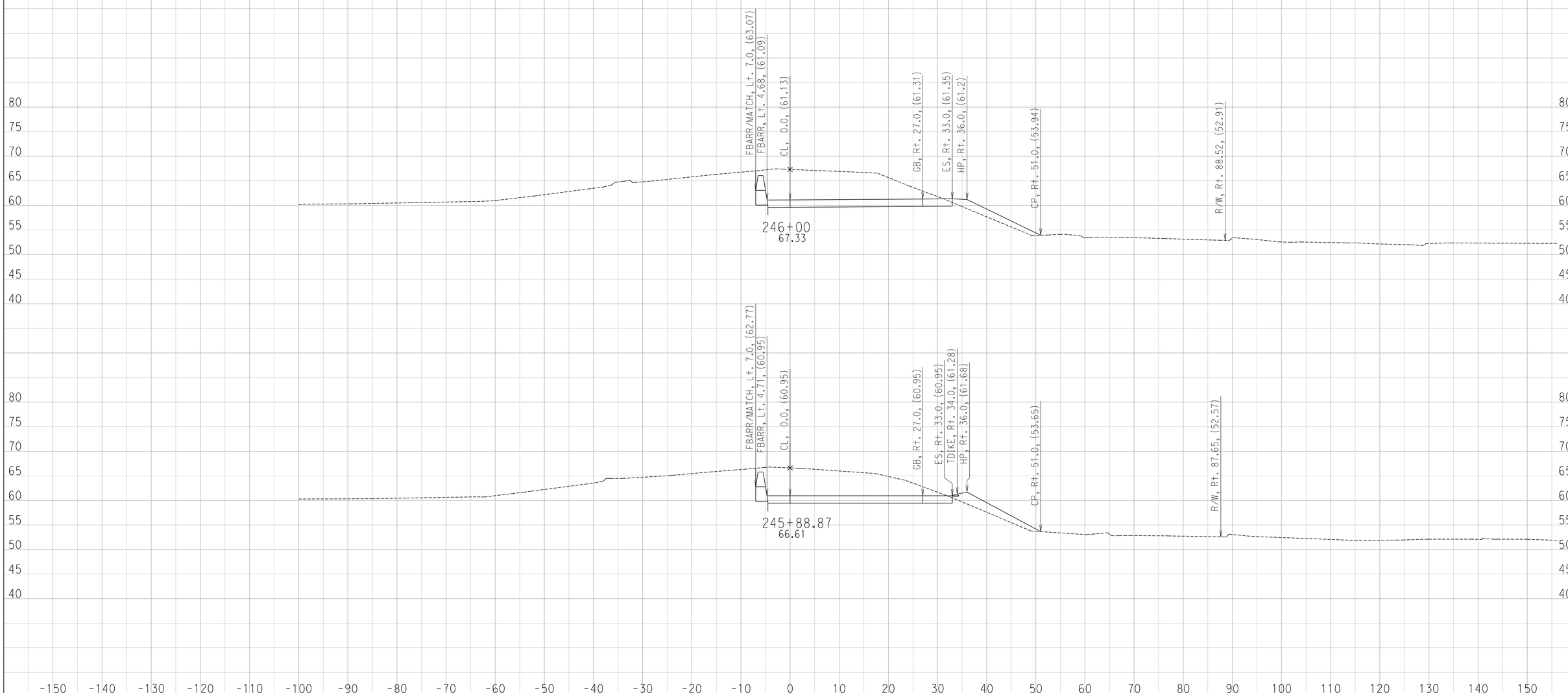
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

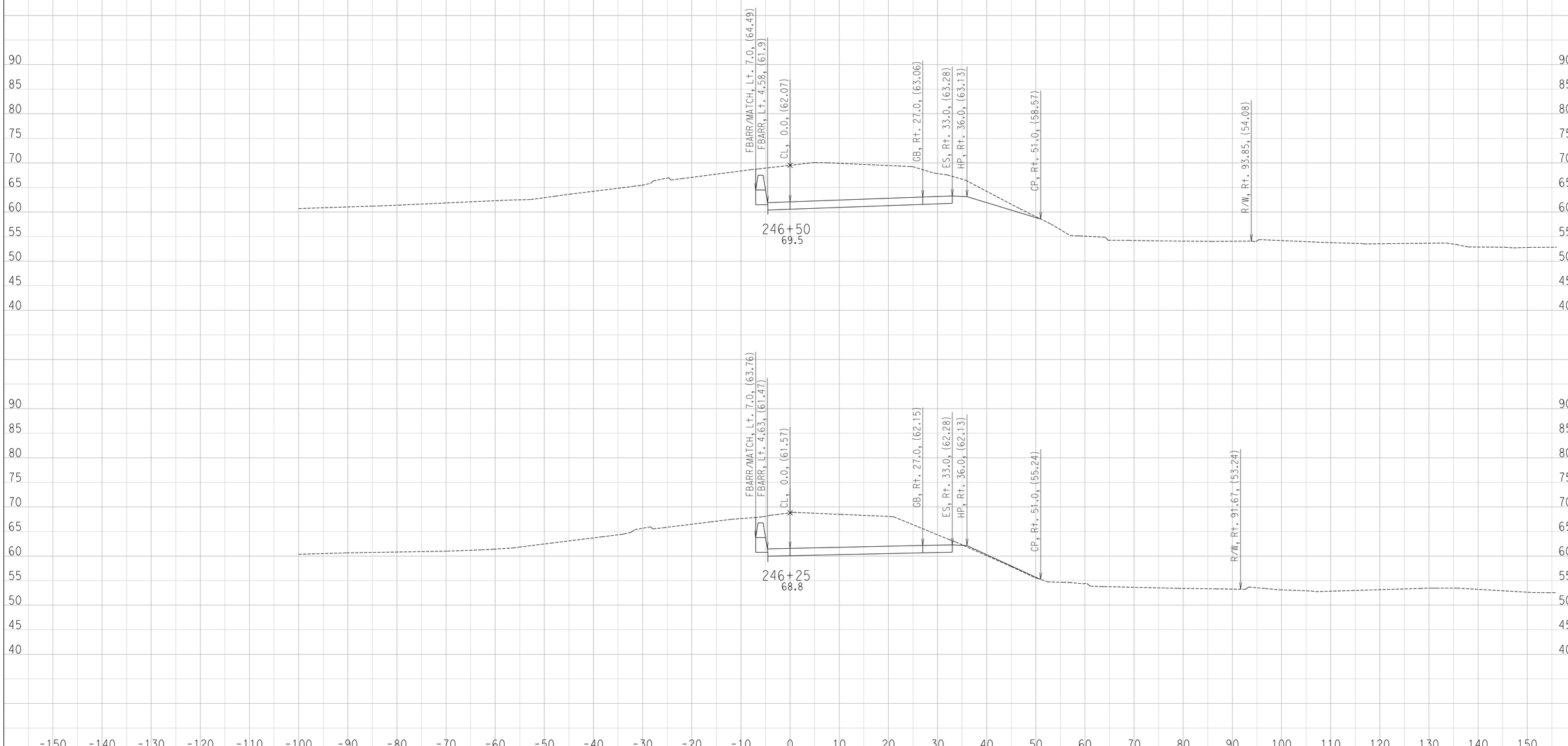
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

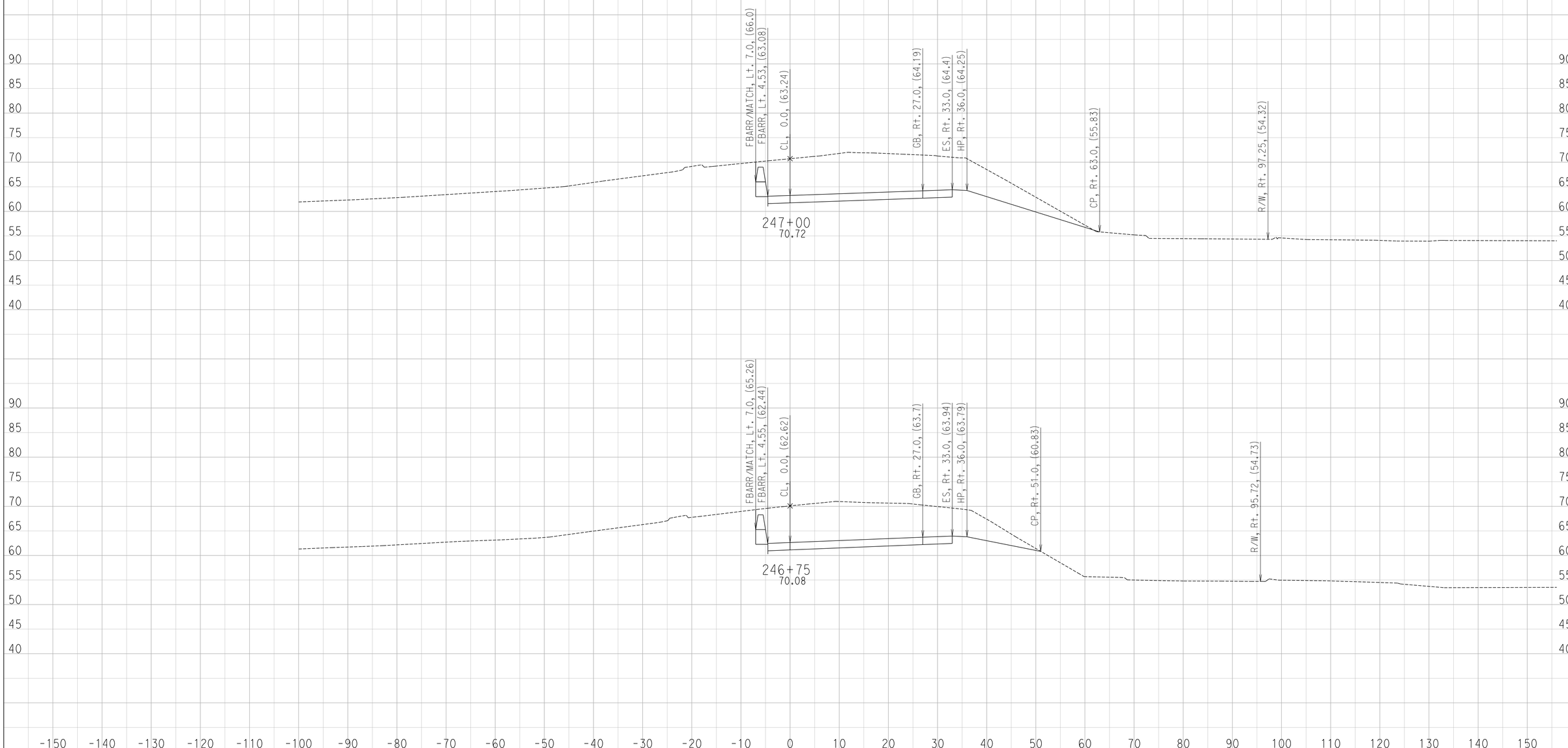
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

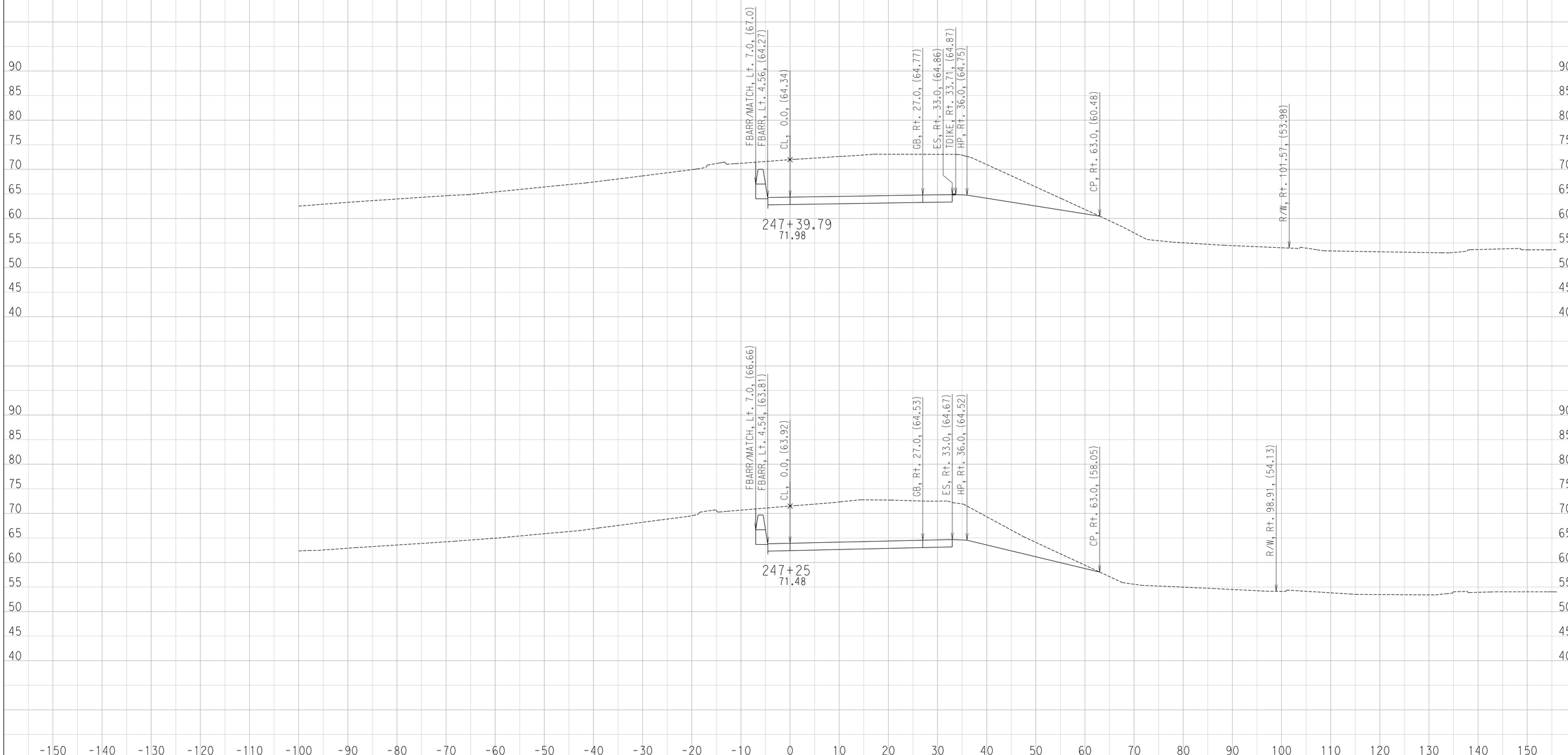
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

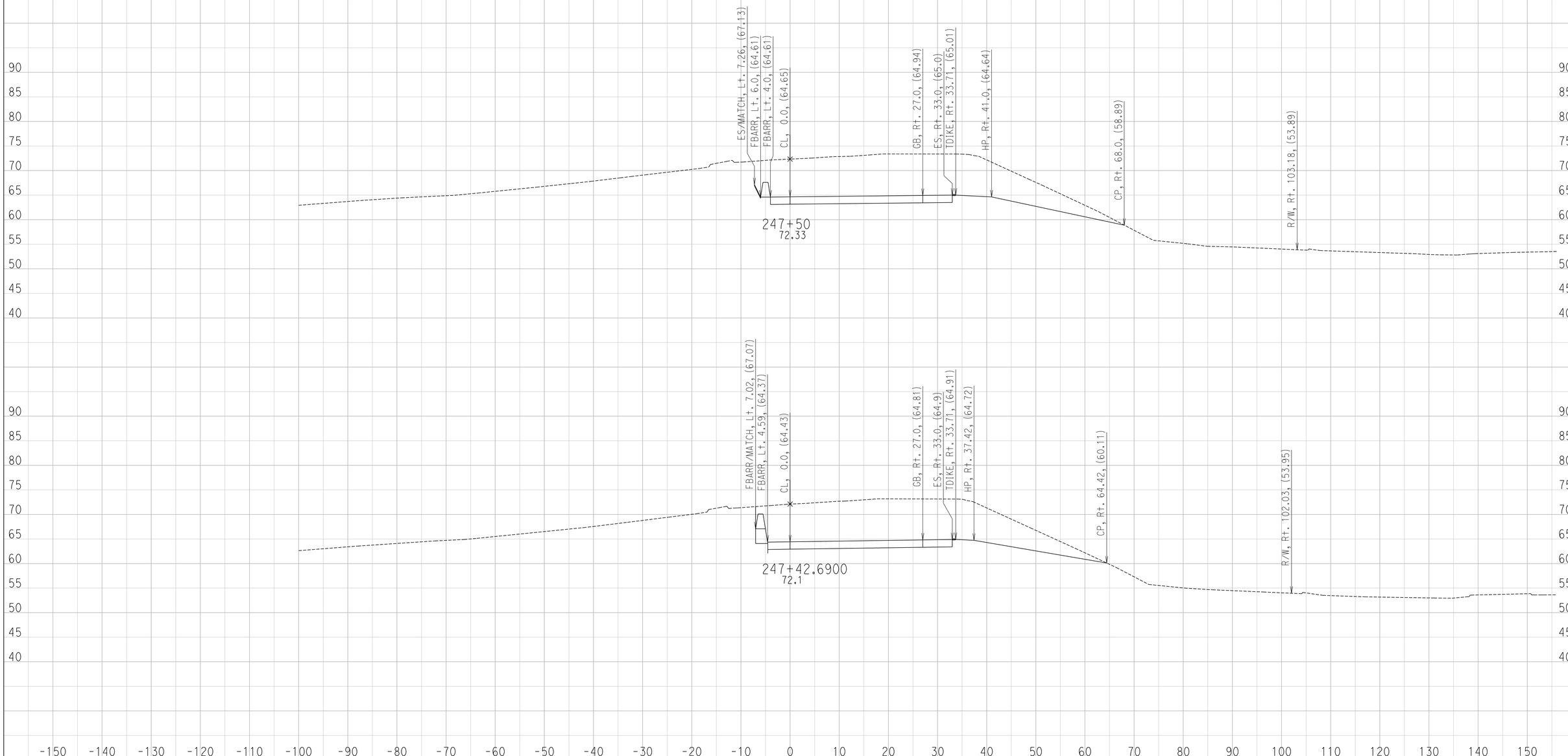
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 10 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

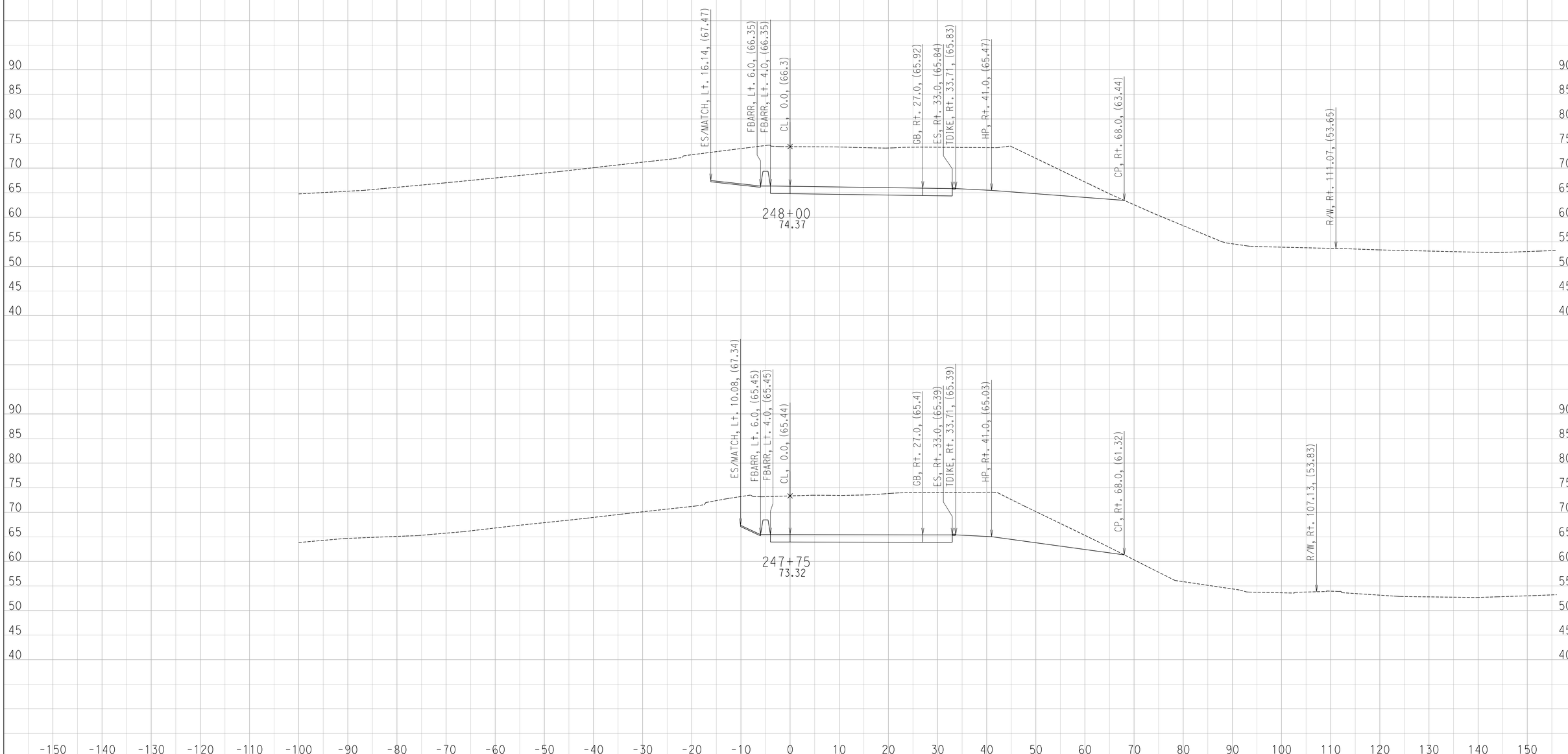
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 11 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

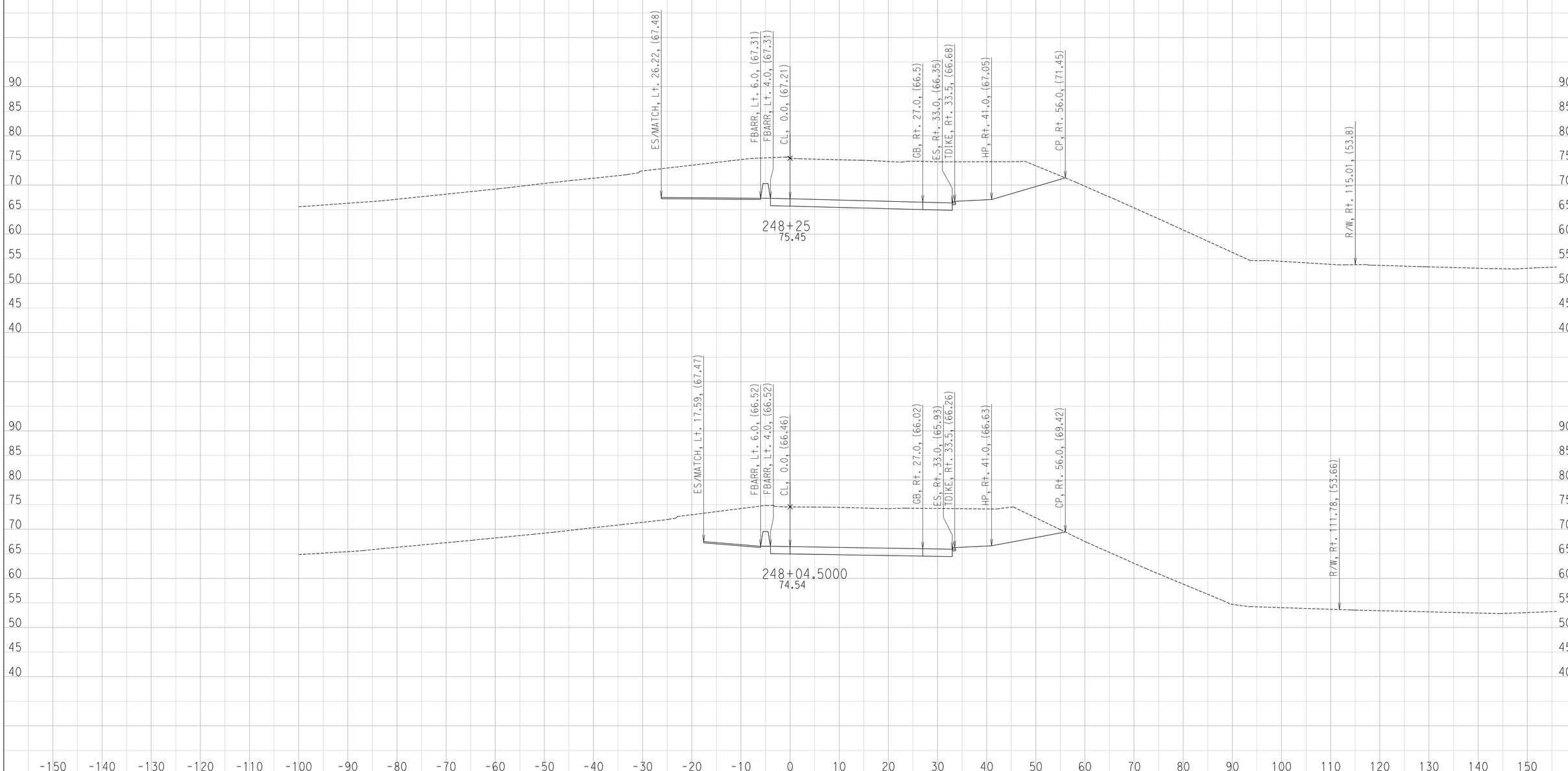
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

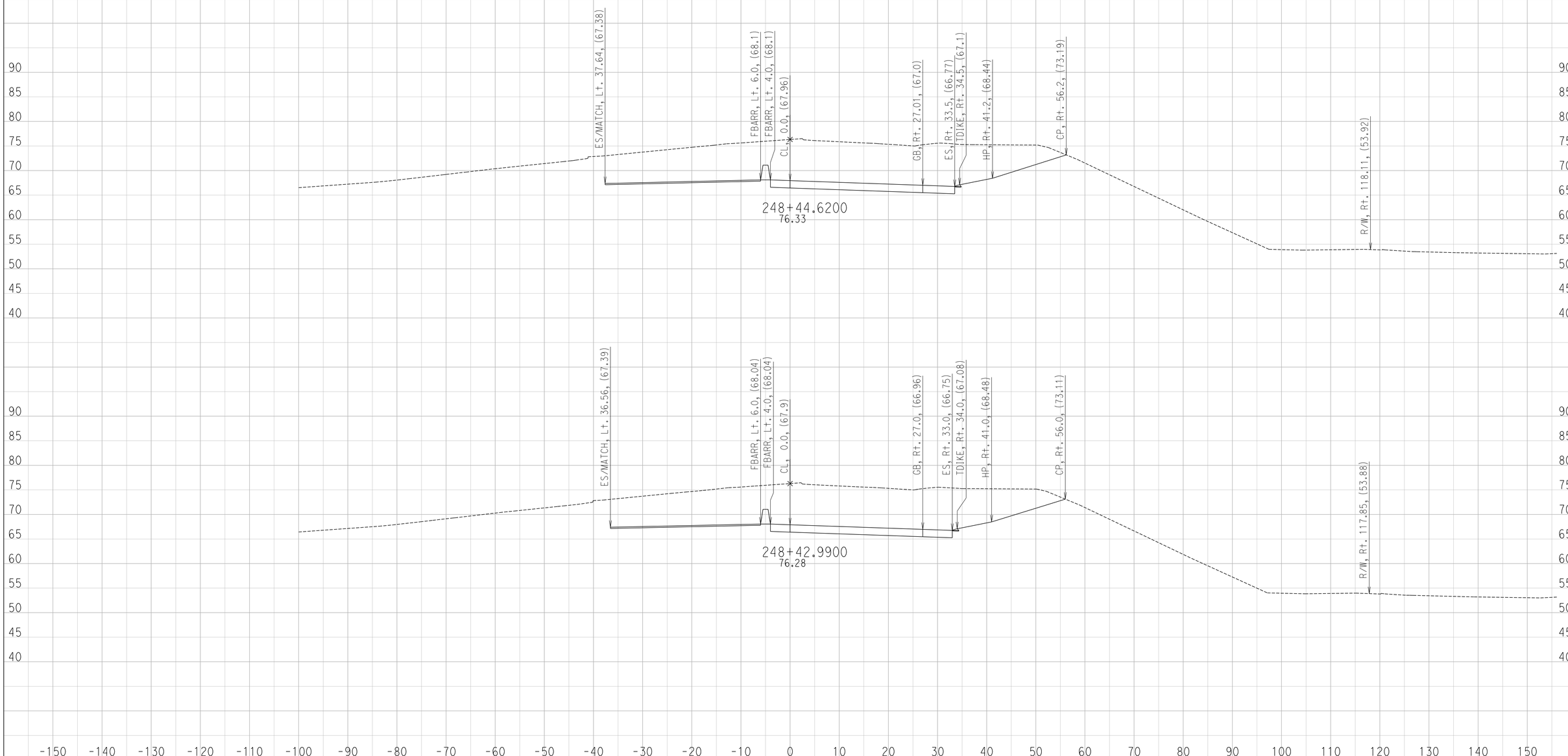
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

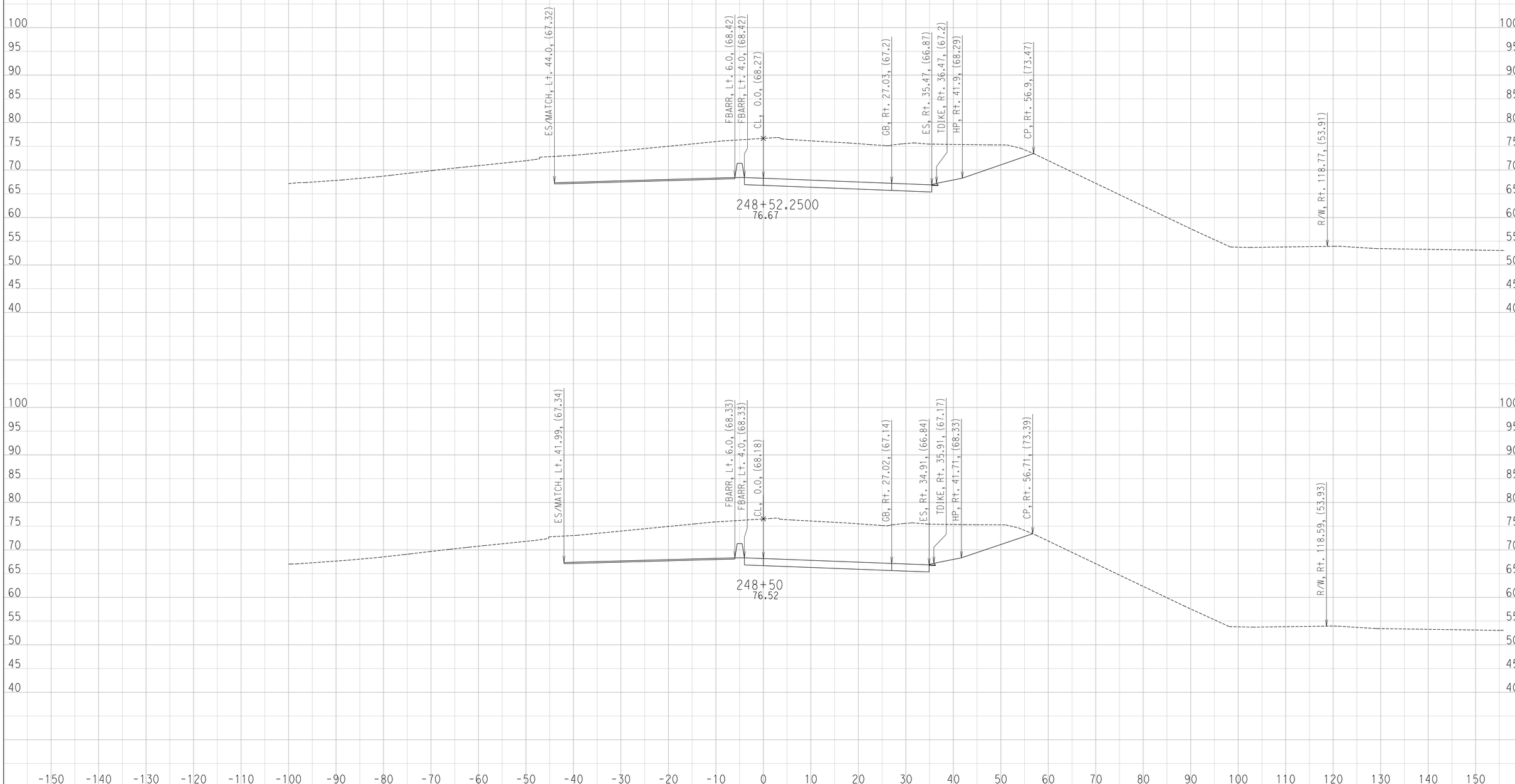
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 14 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

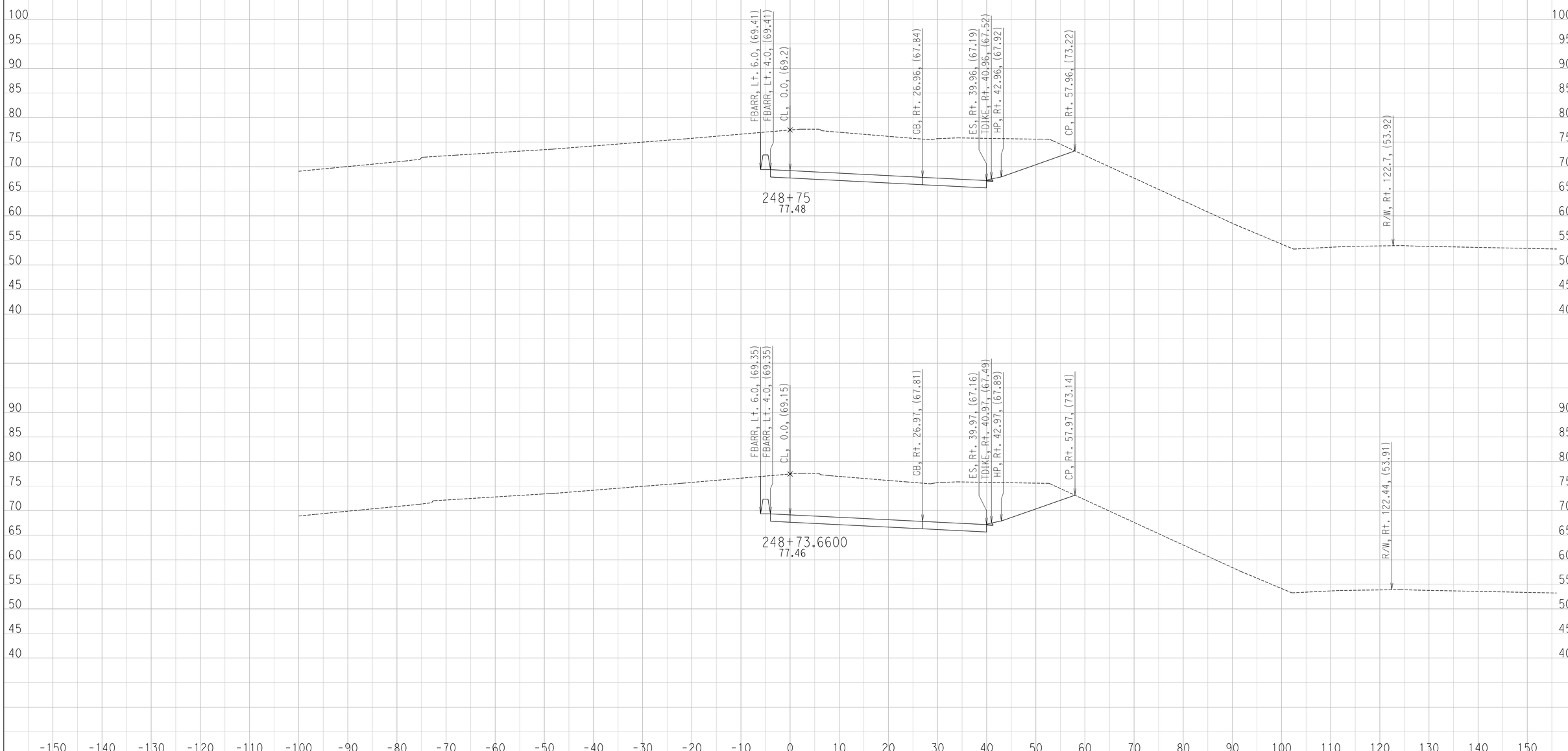
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 15 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

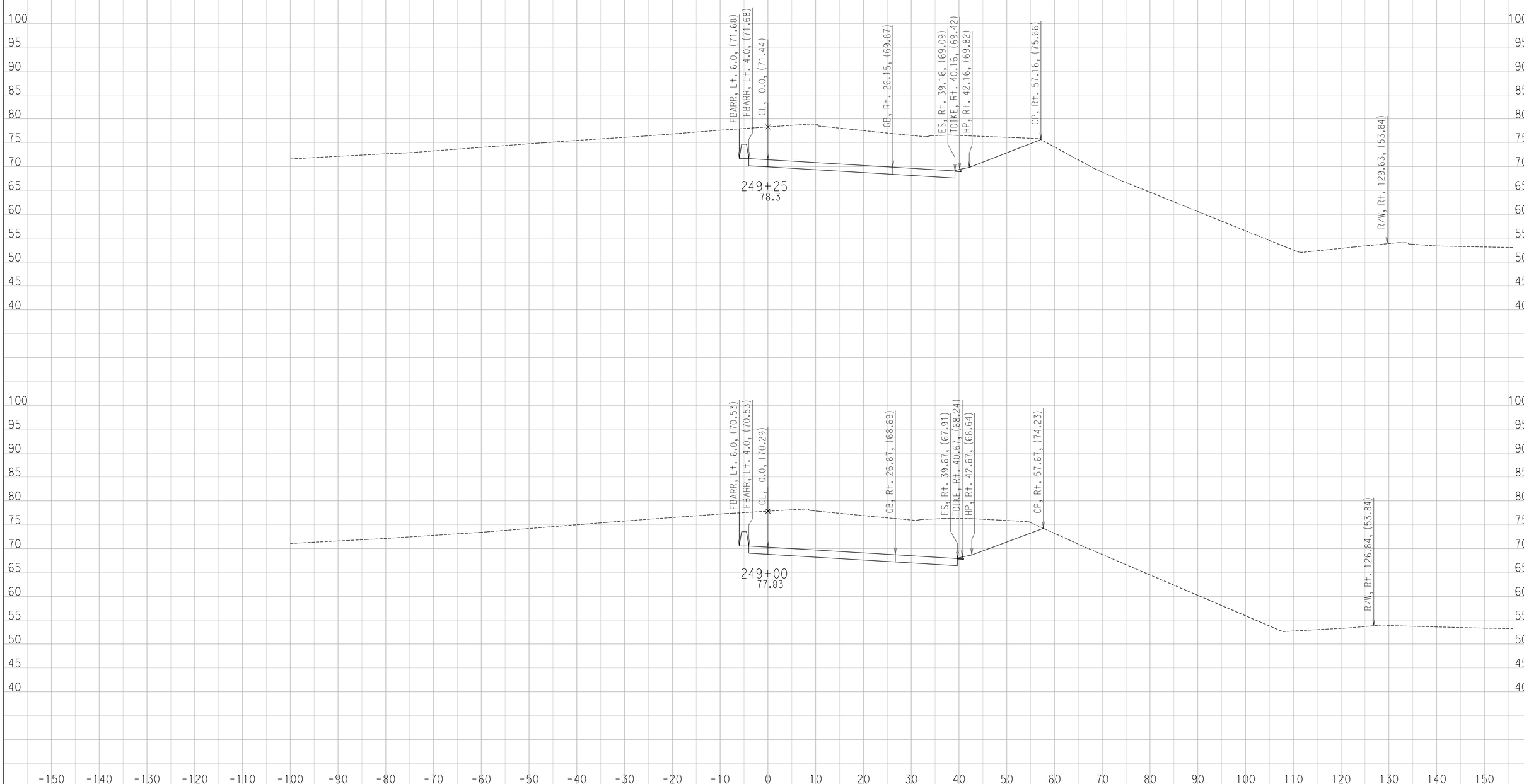
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

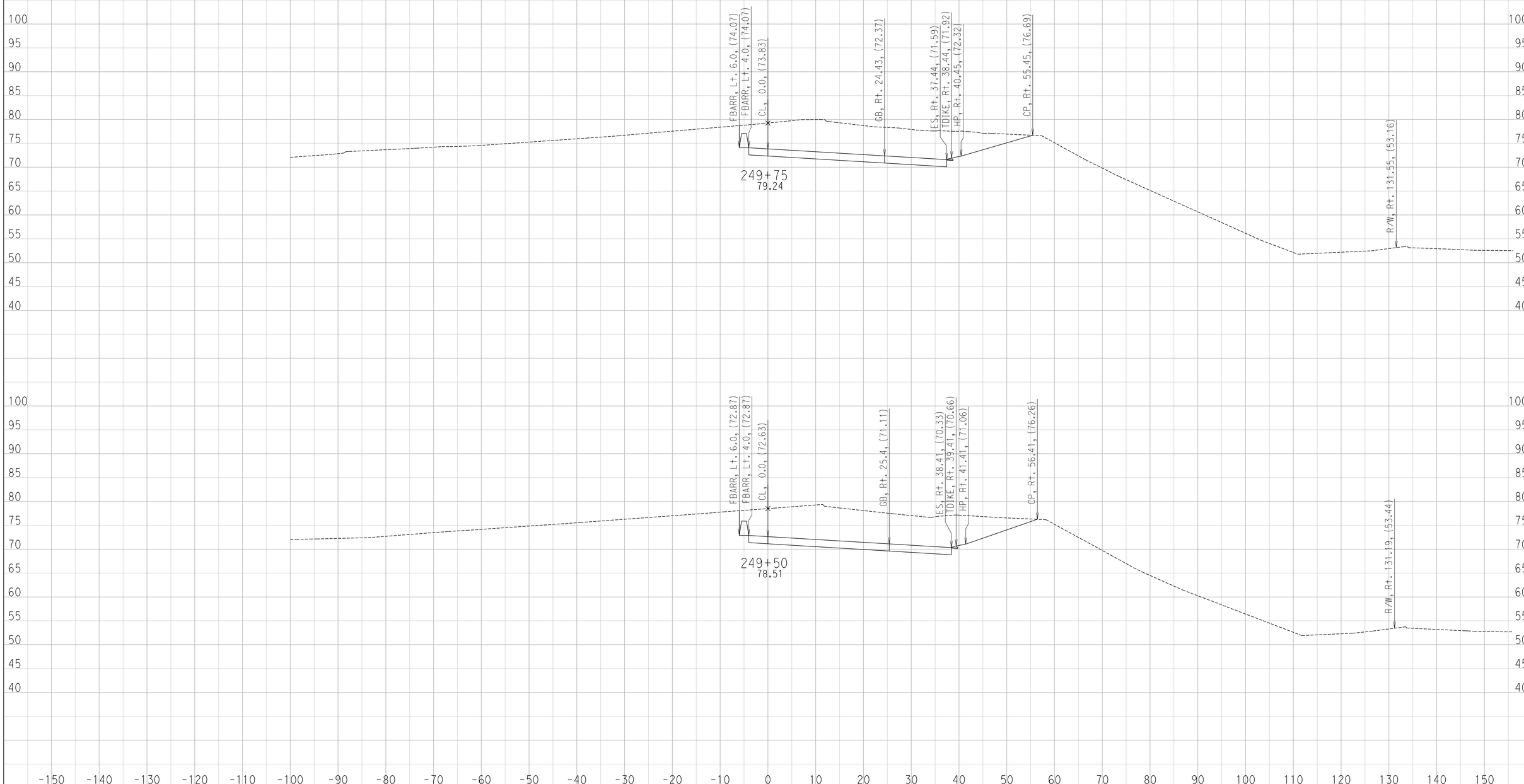
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 17 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

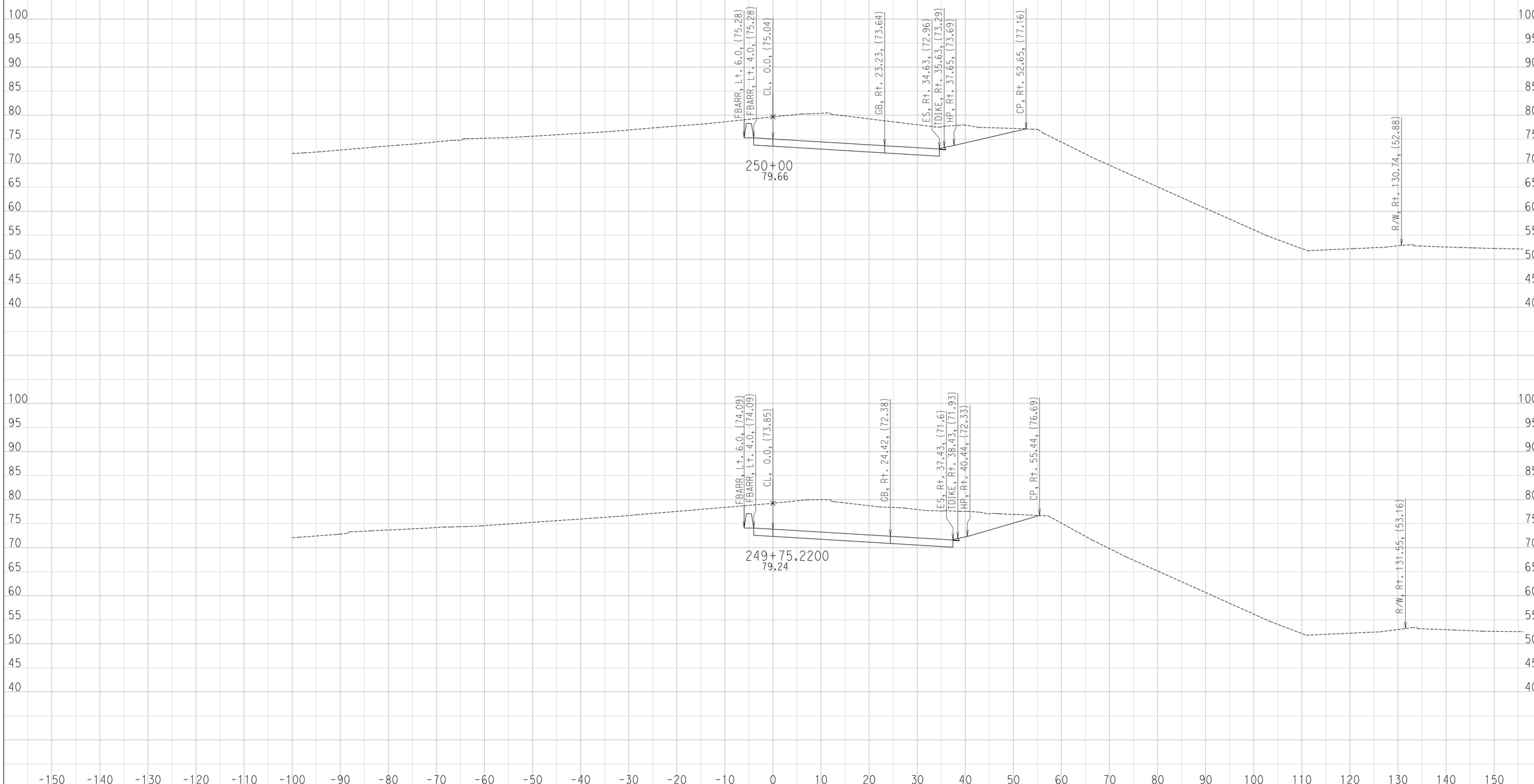
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 18 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

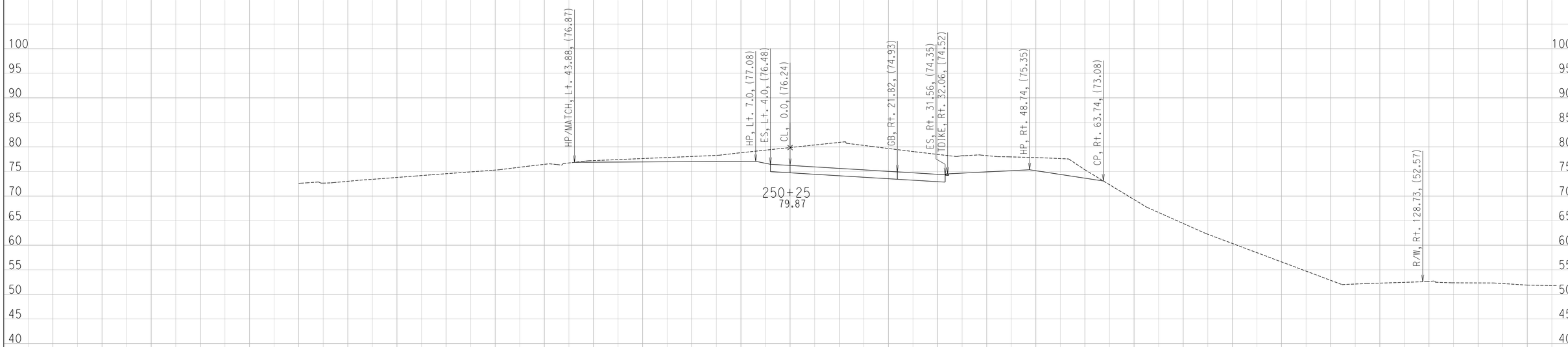
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

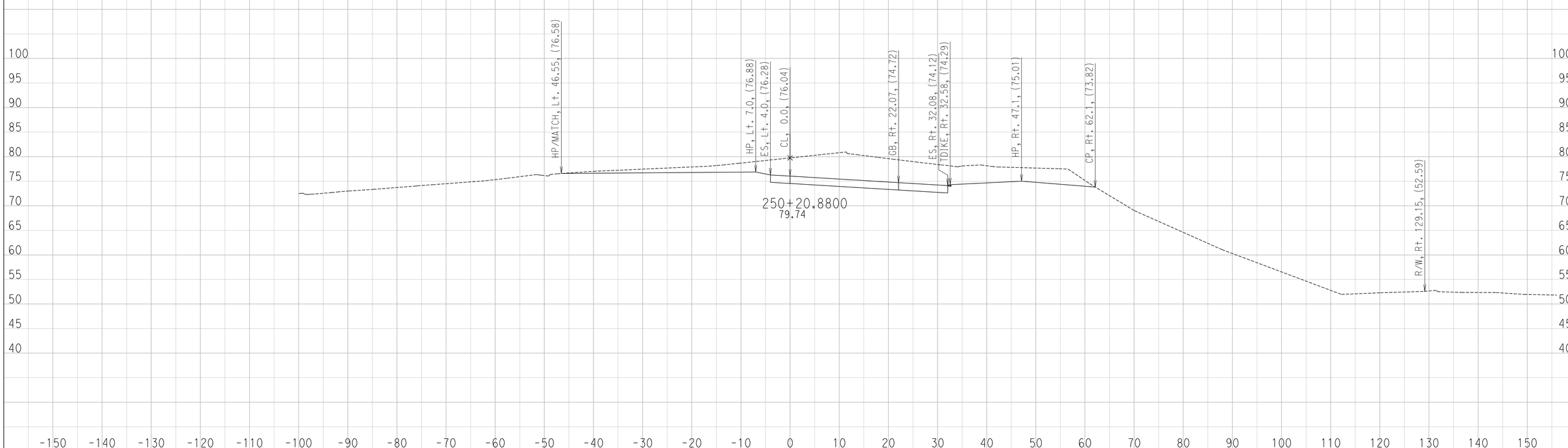
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 19 OF 50

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/24/2016

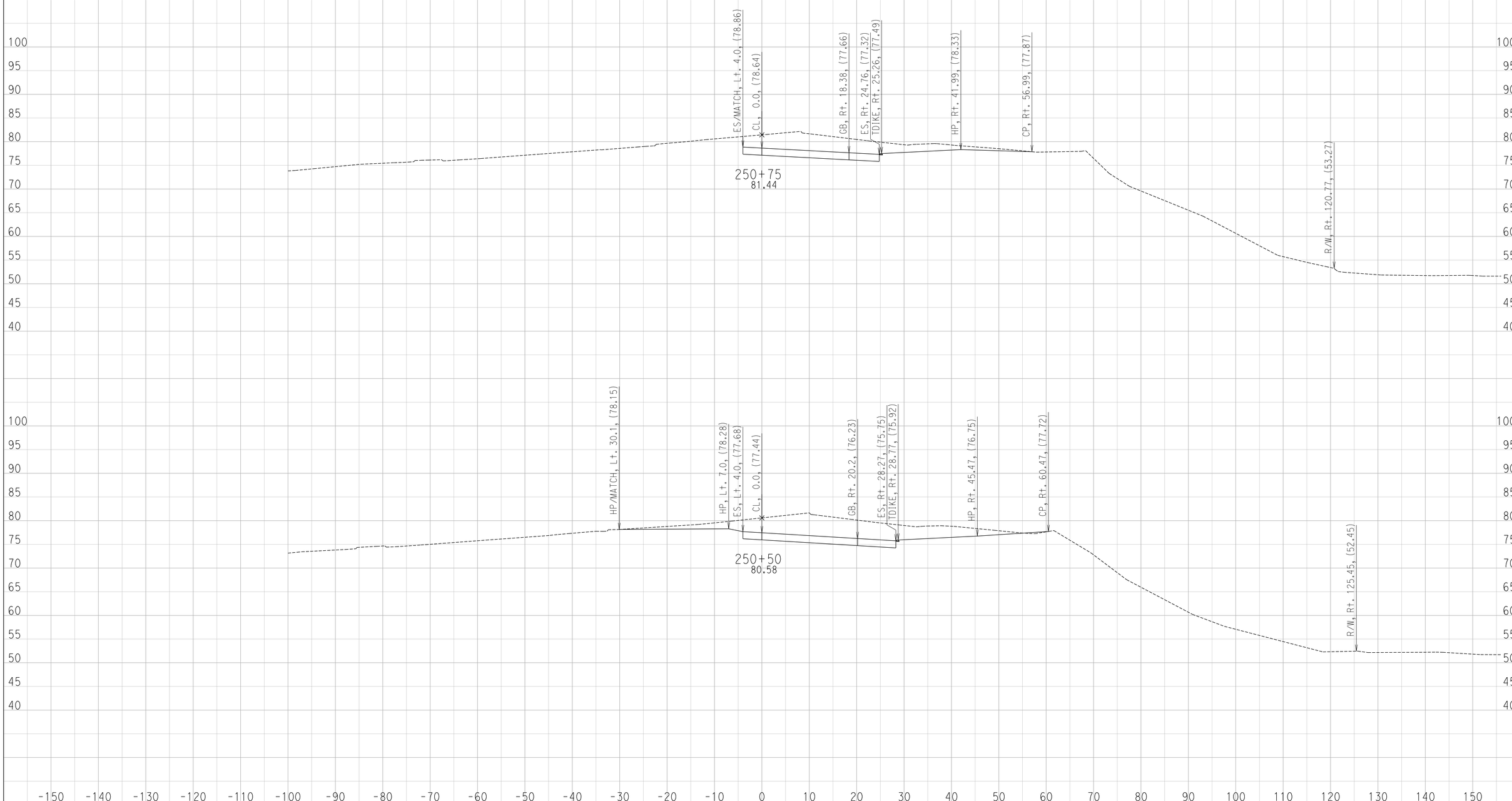
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

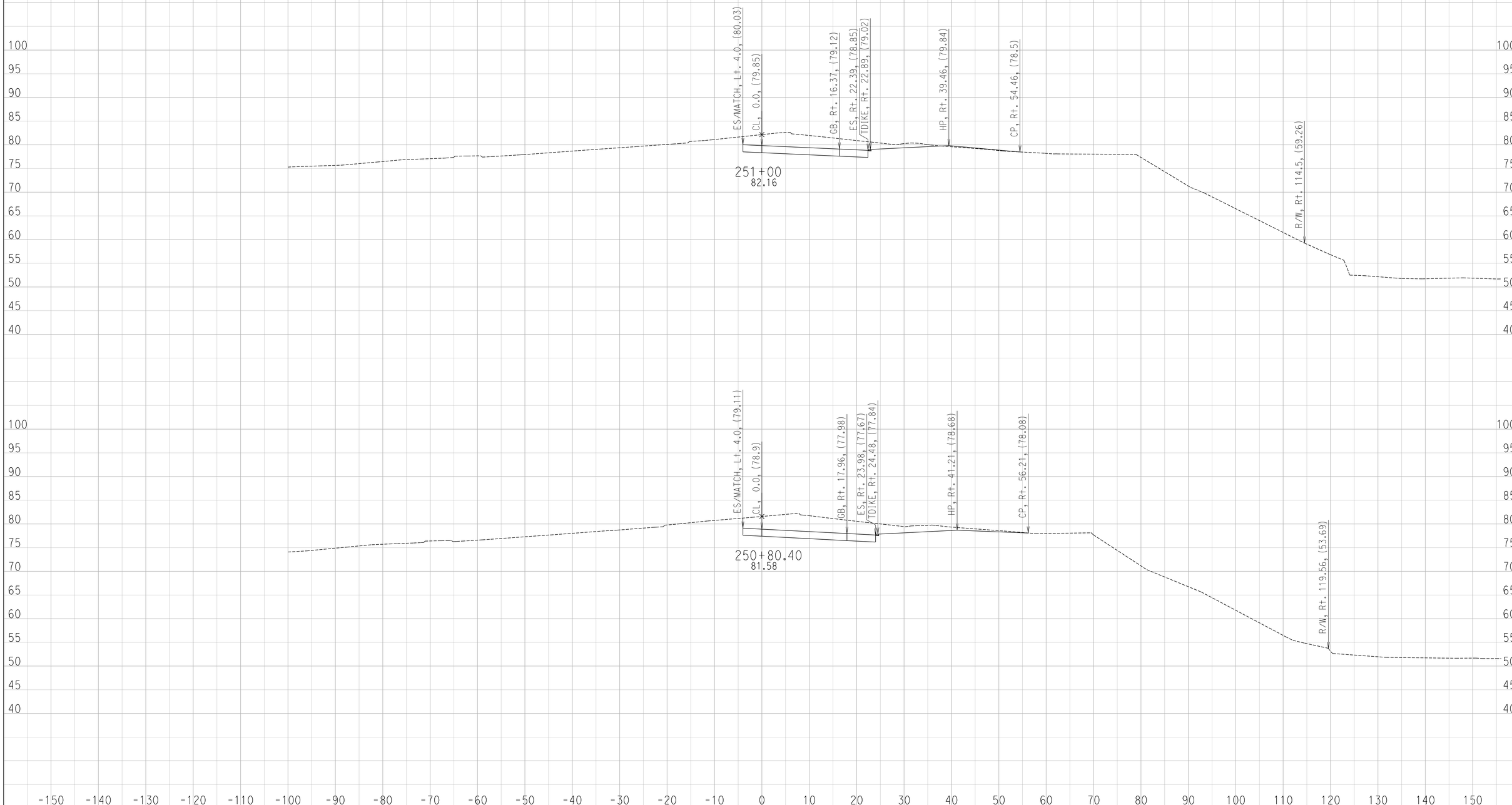
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

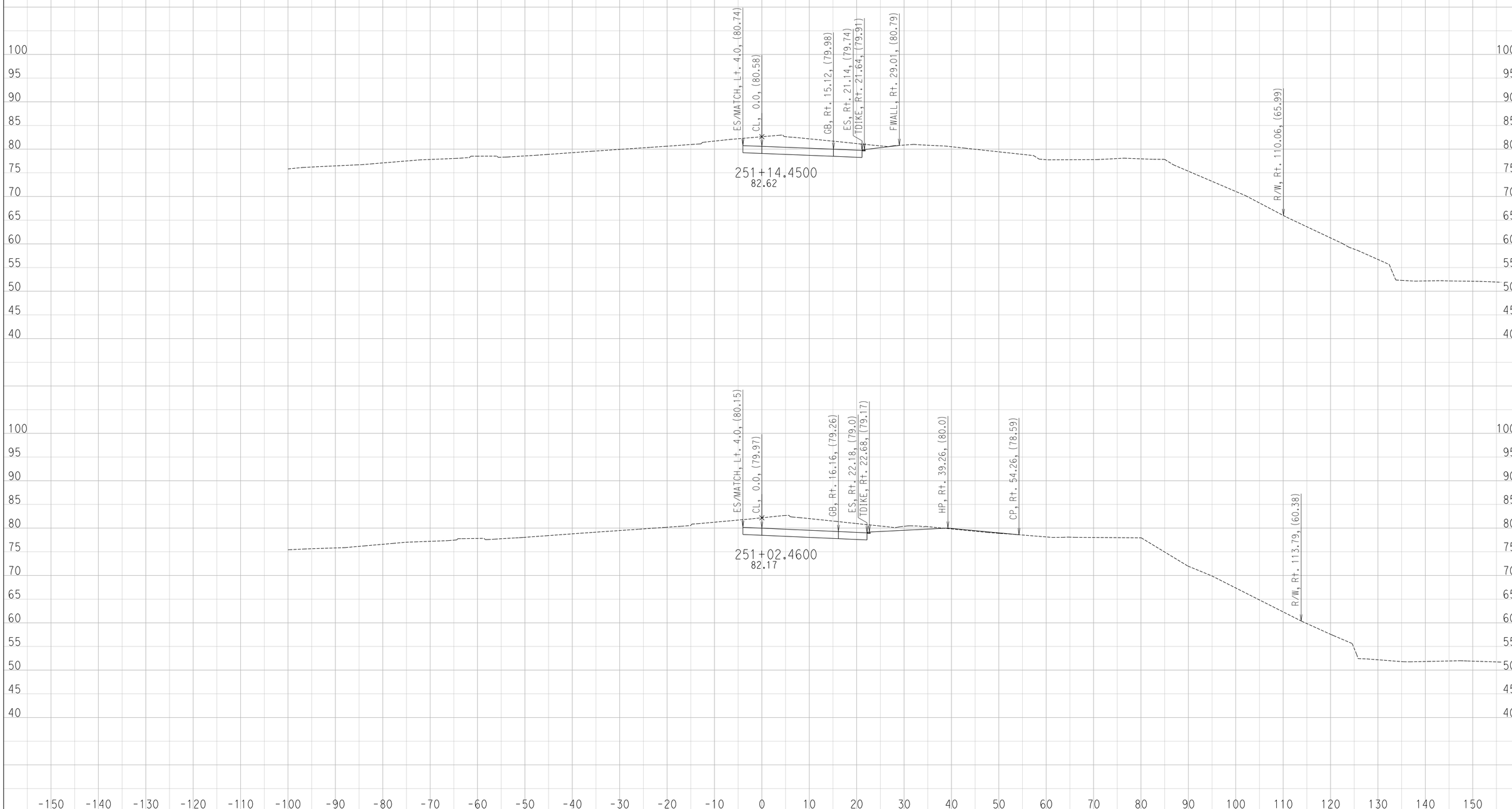
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

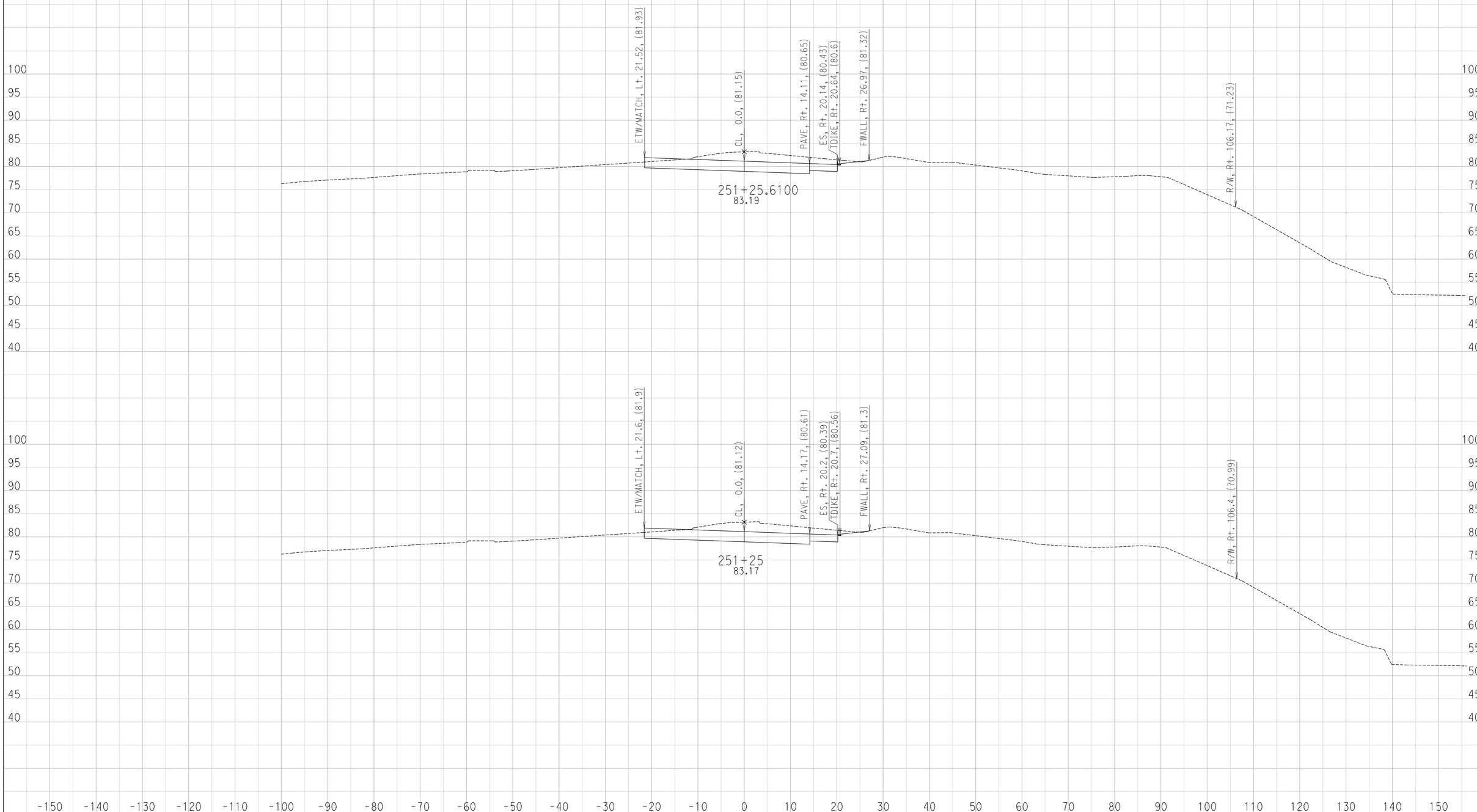
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

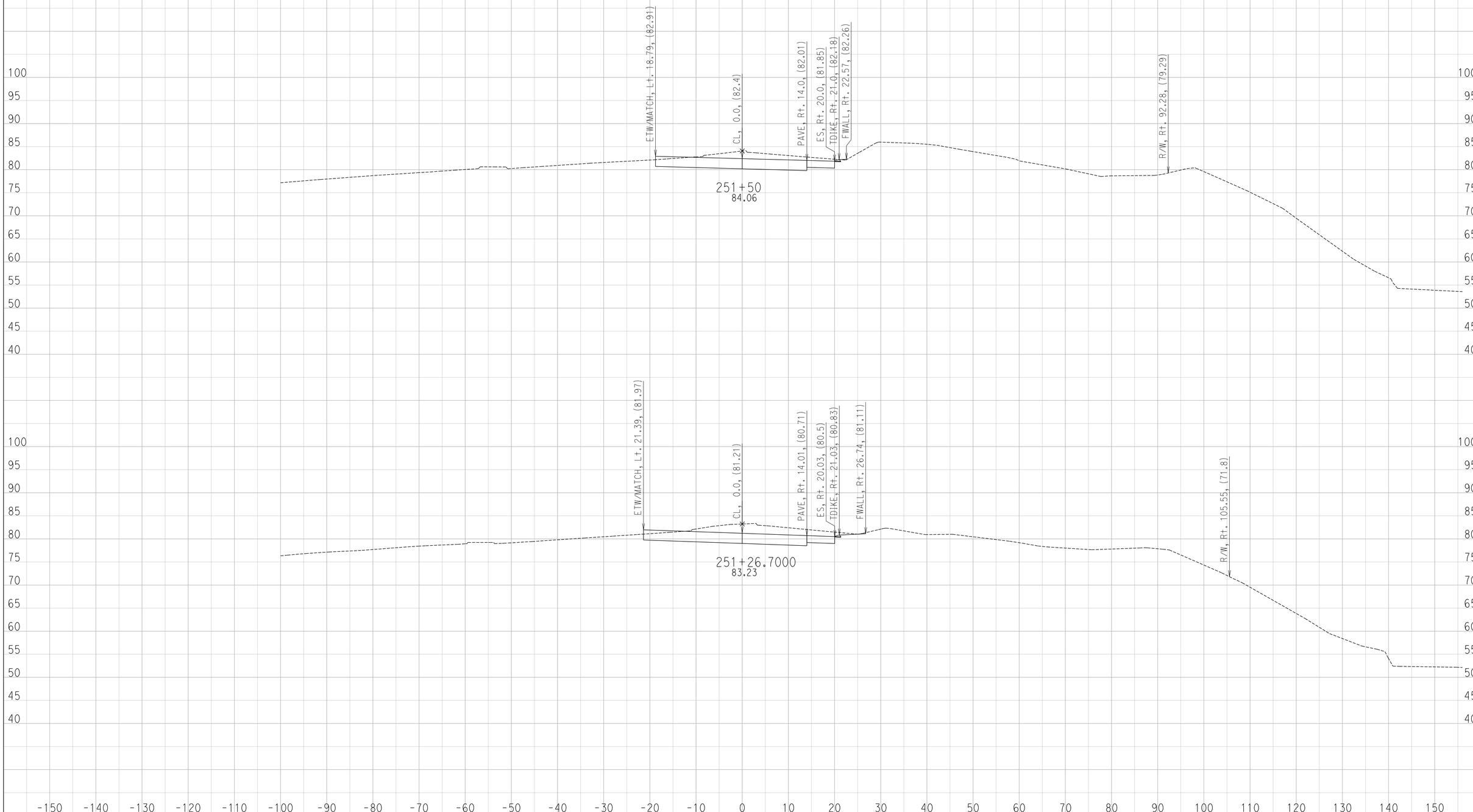
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 24 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

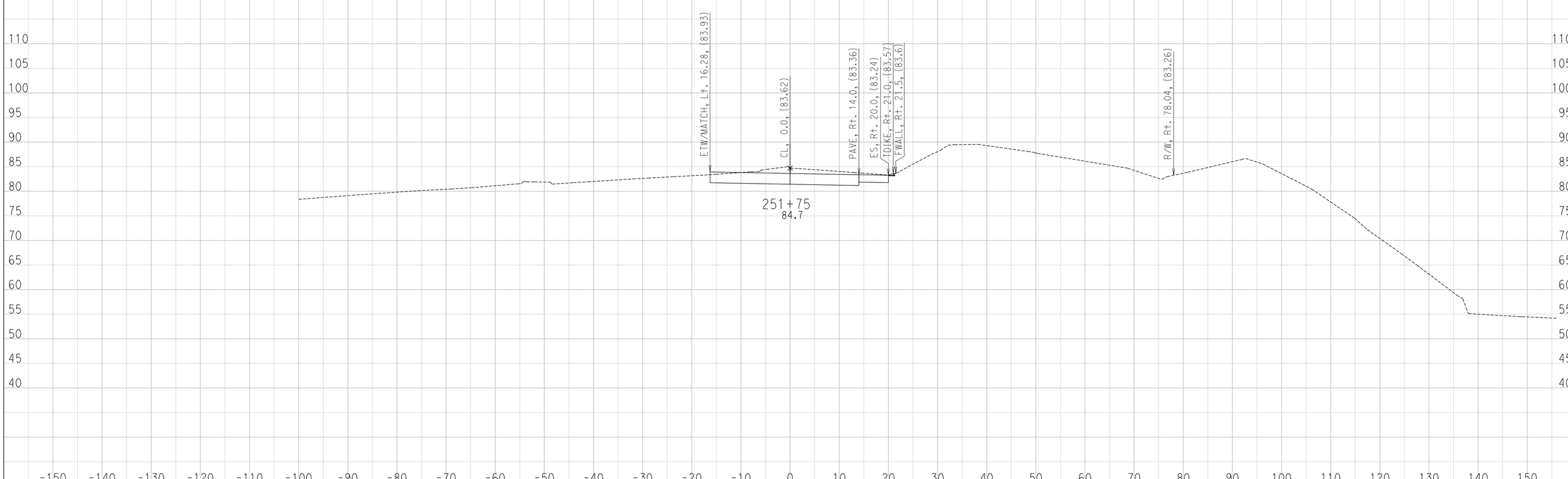
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

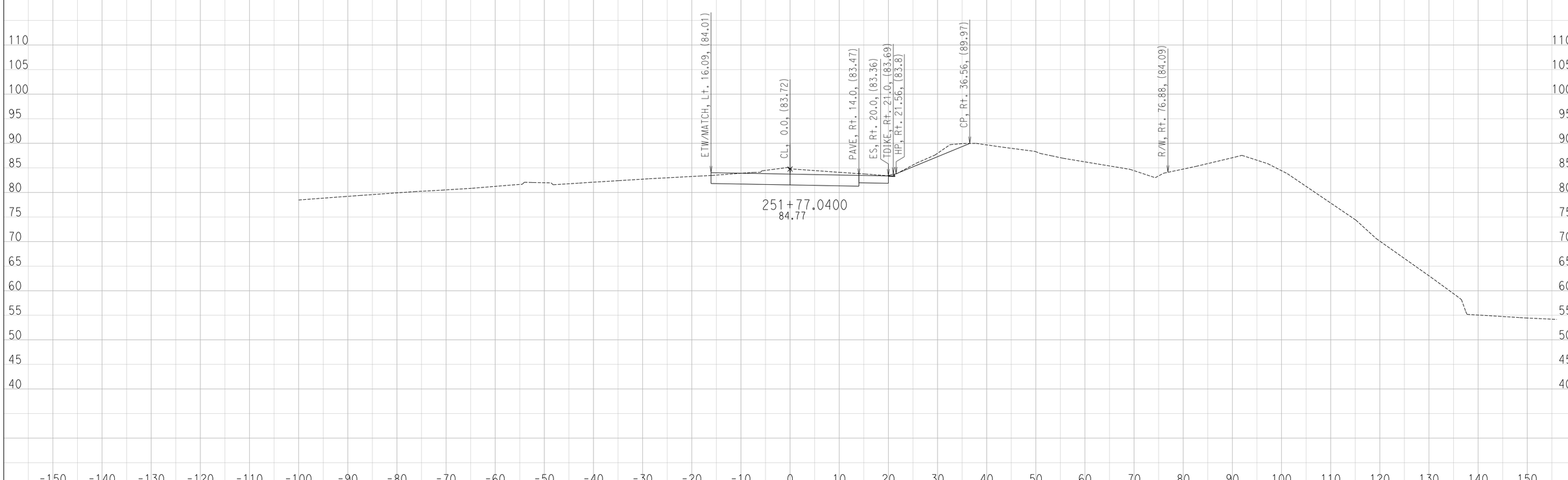
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 26 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

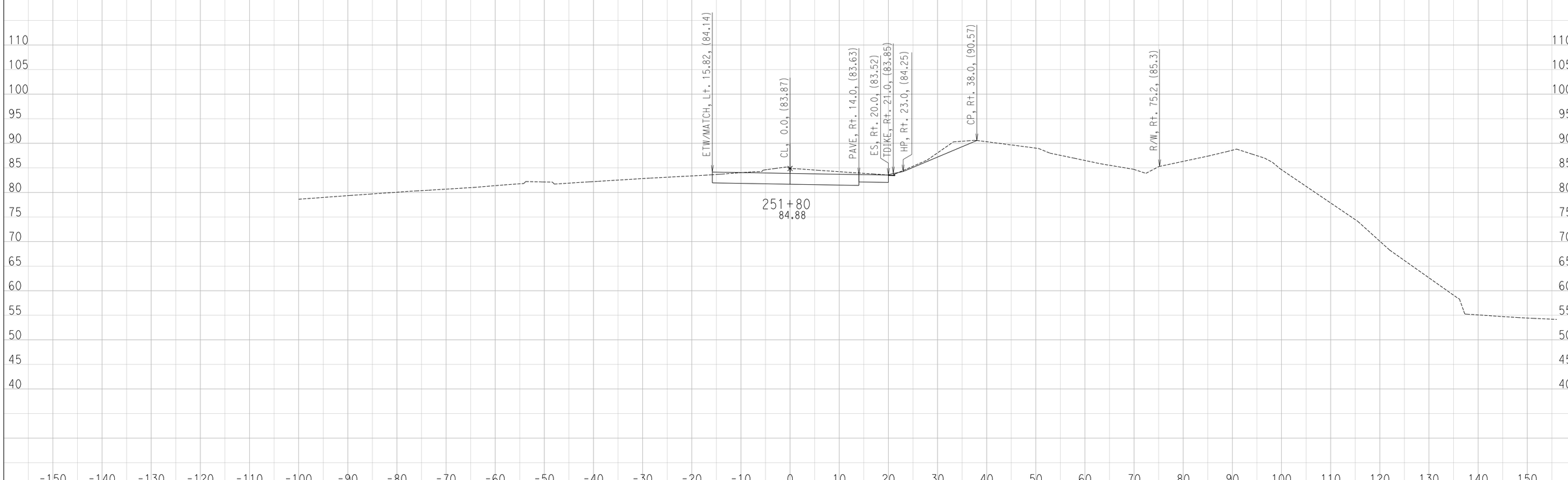
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 27 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

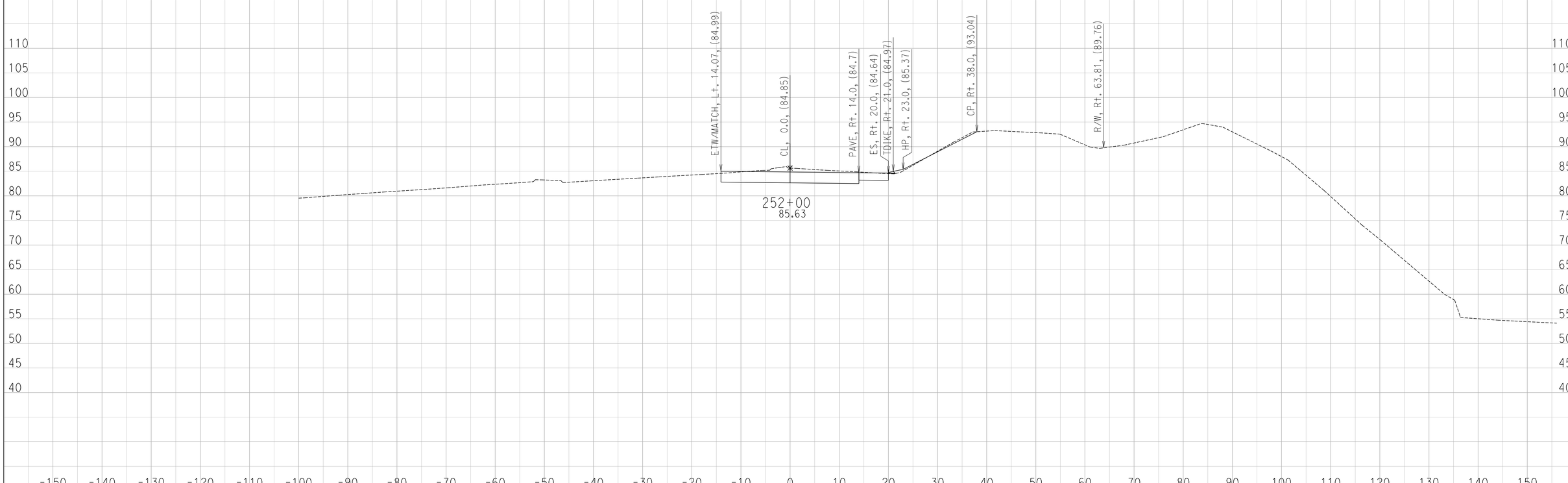
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 28 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

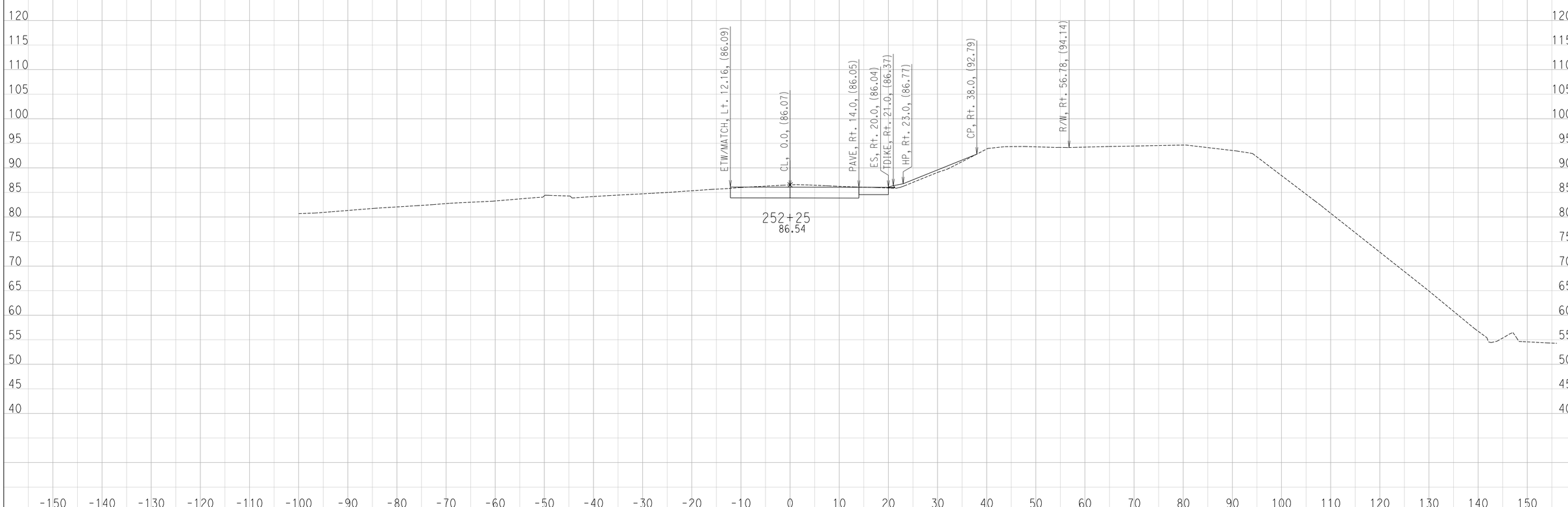
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

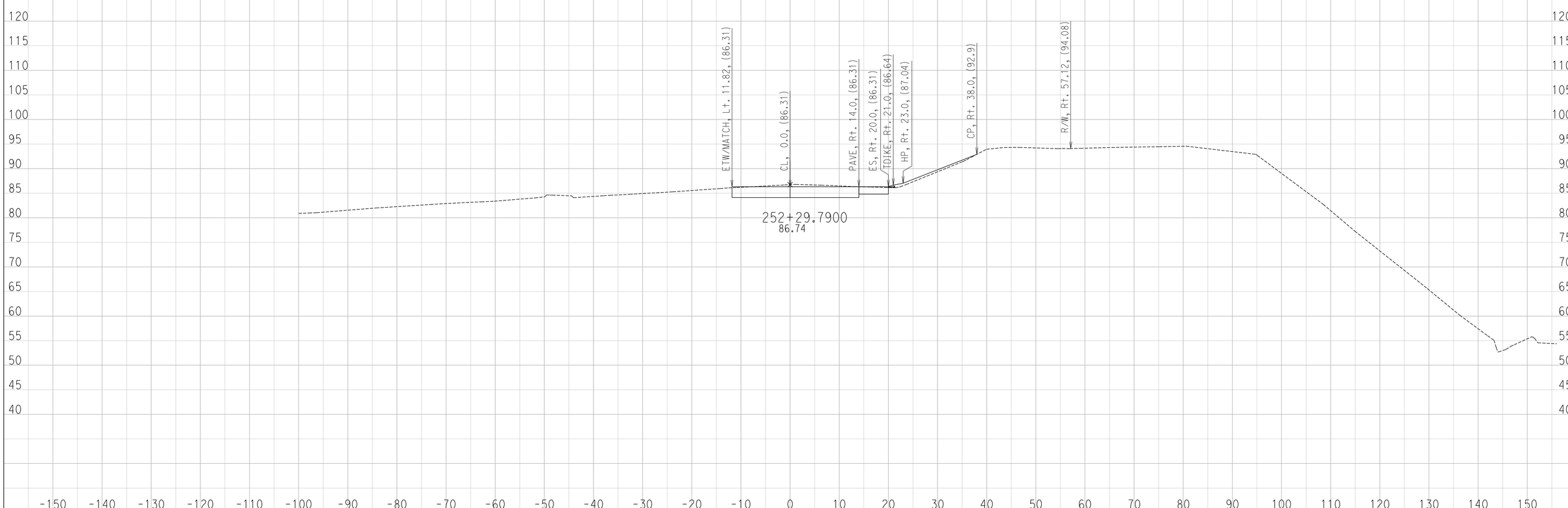
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

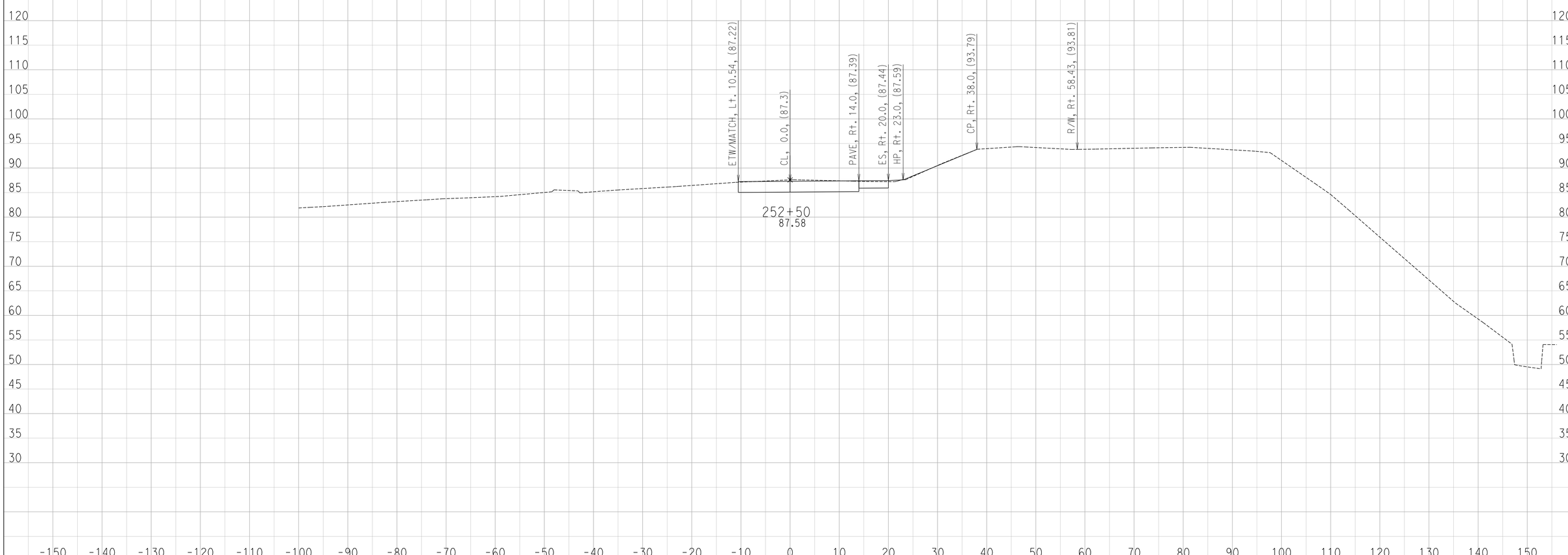
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

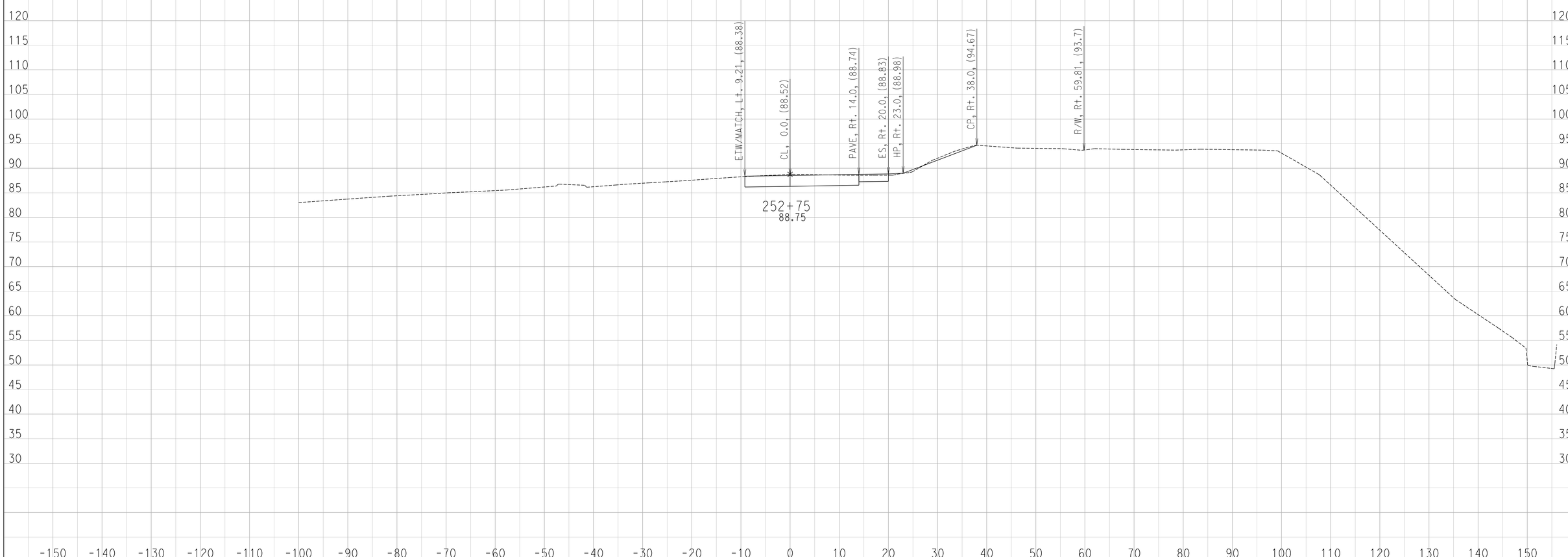
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 32 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

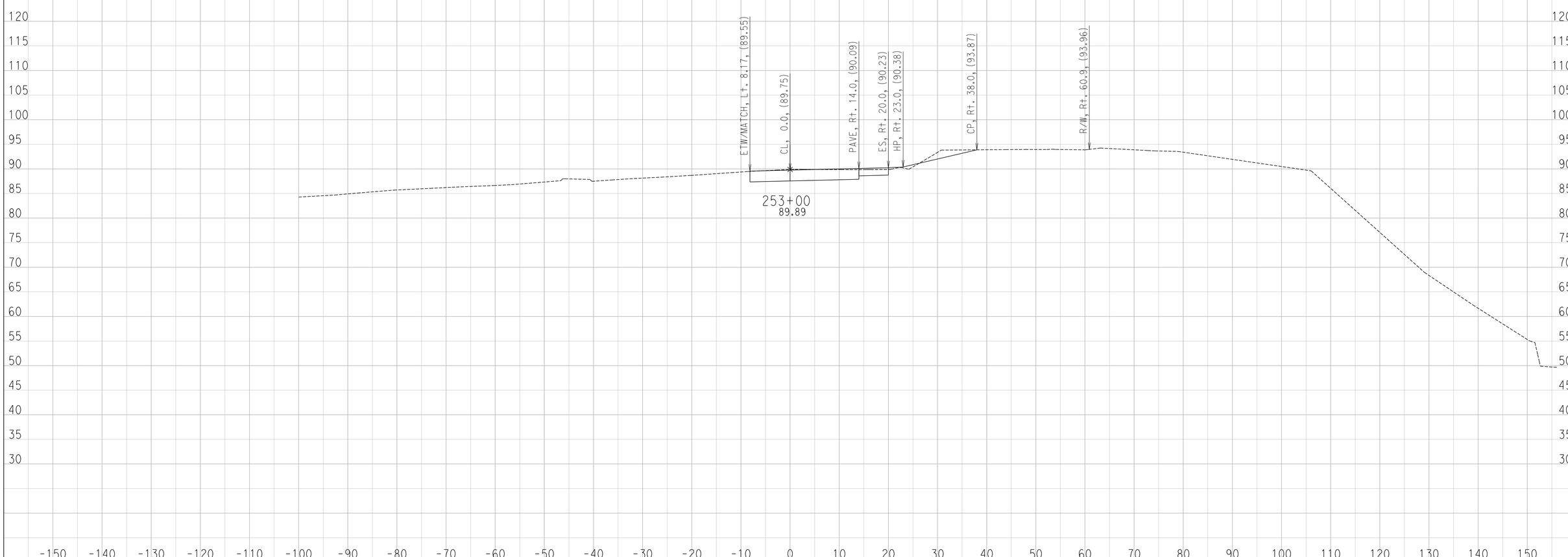
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

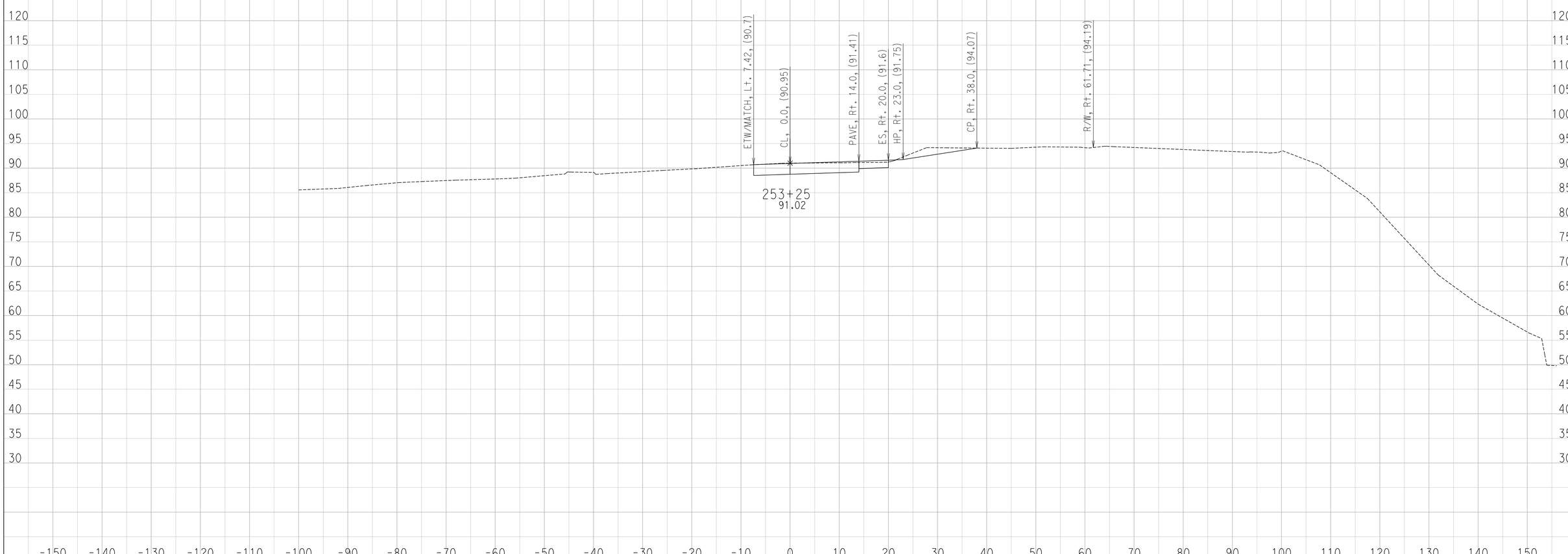
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 34 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

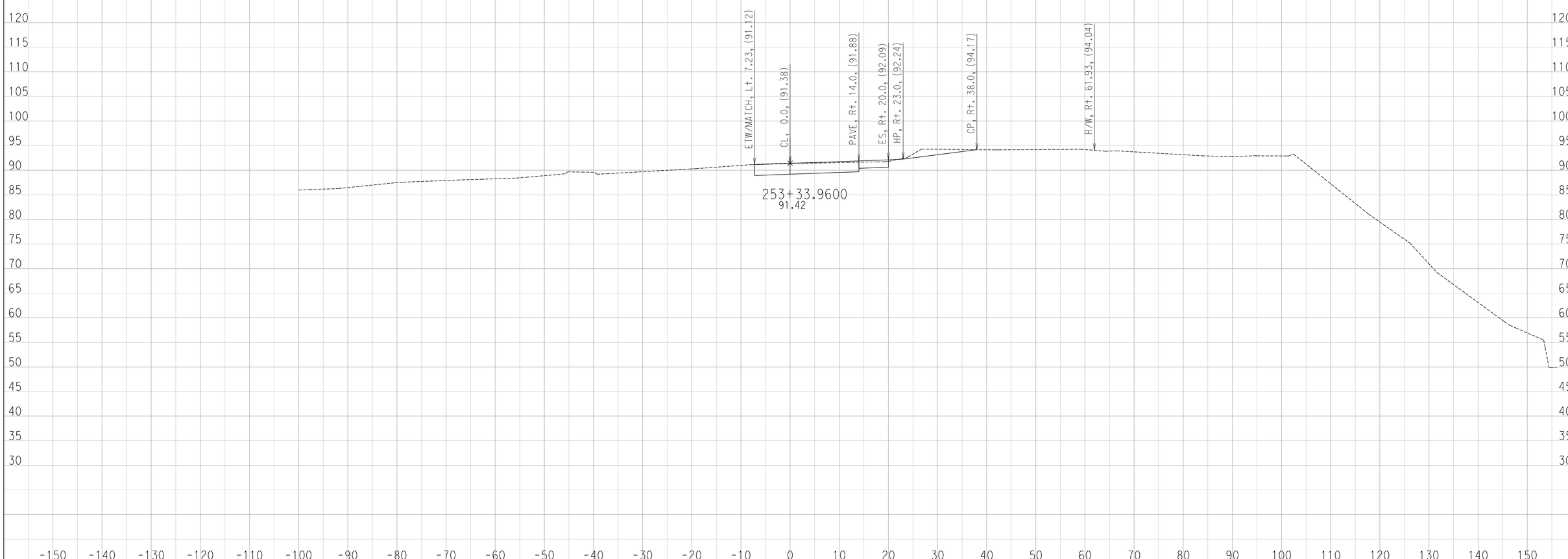
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

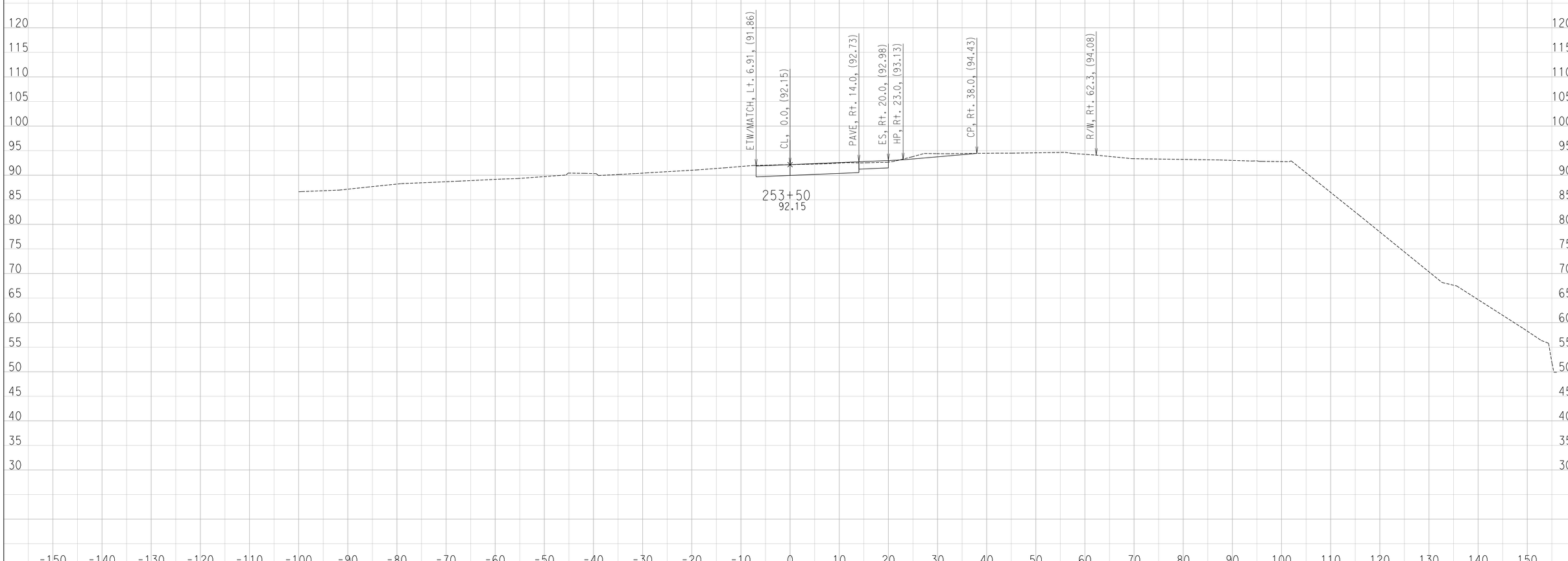
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 36 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

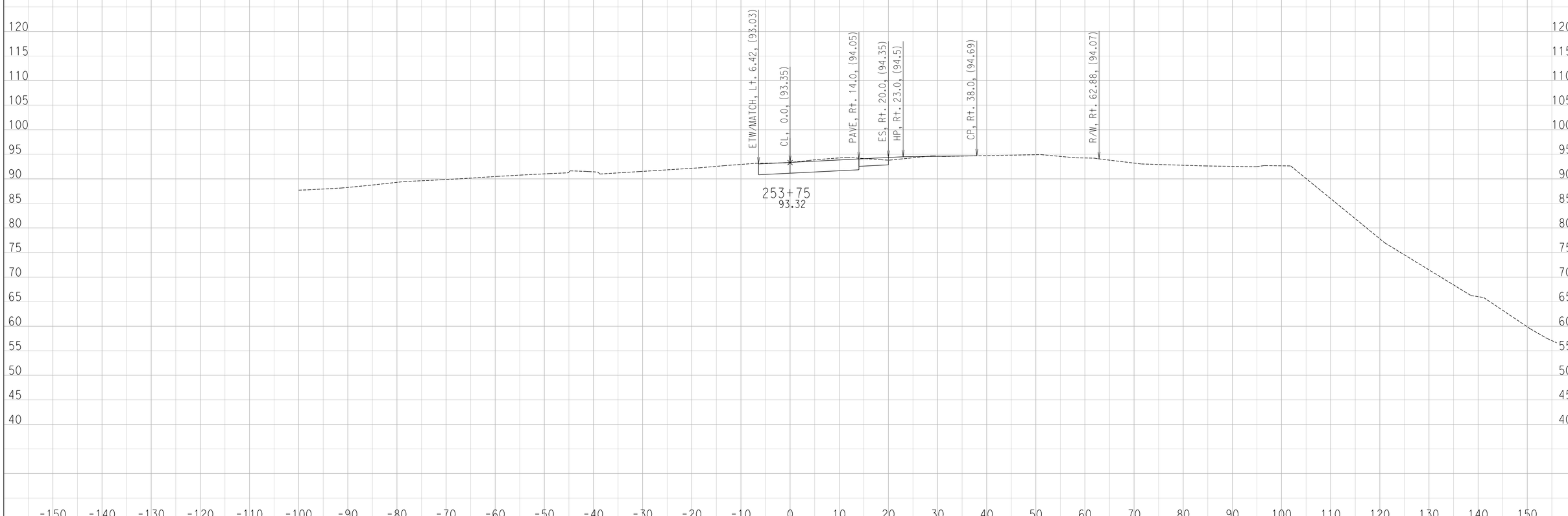
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

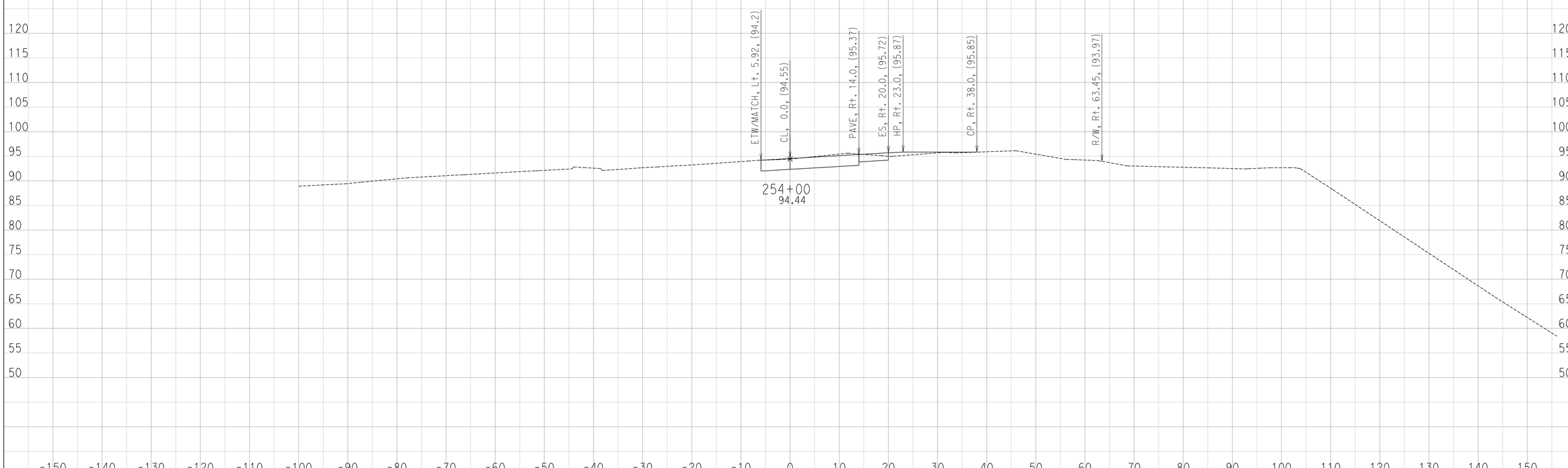
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 38 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

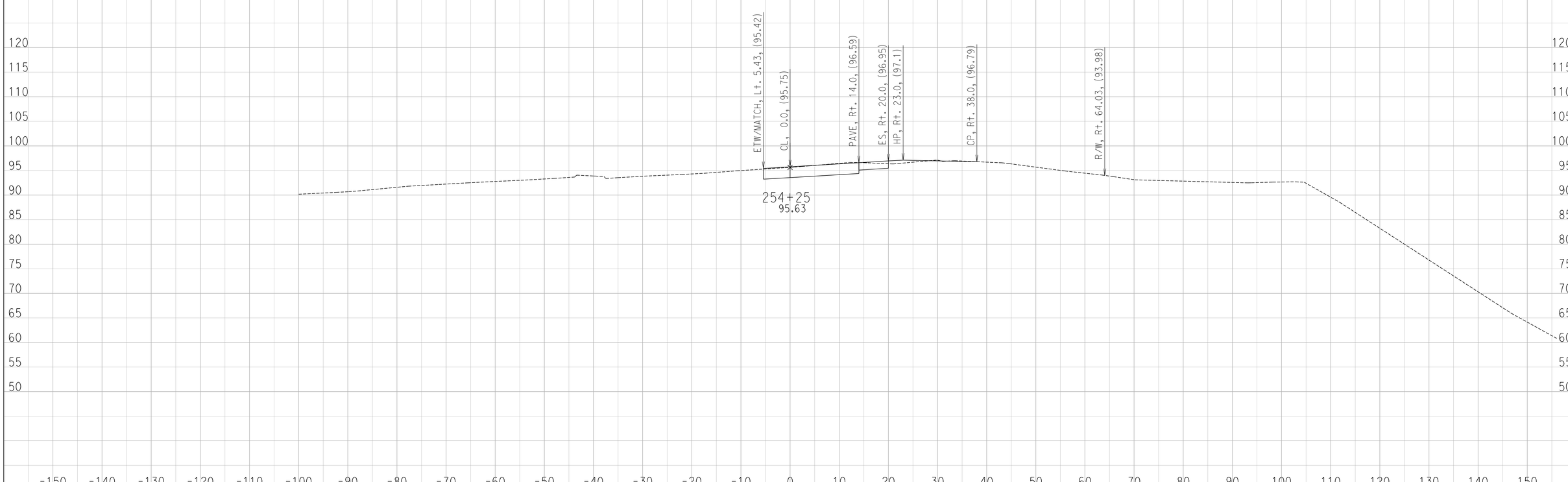
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 39 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

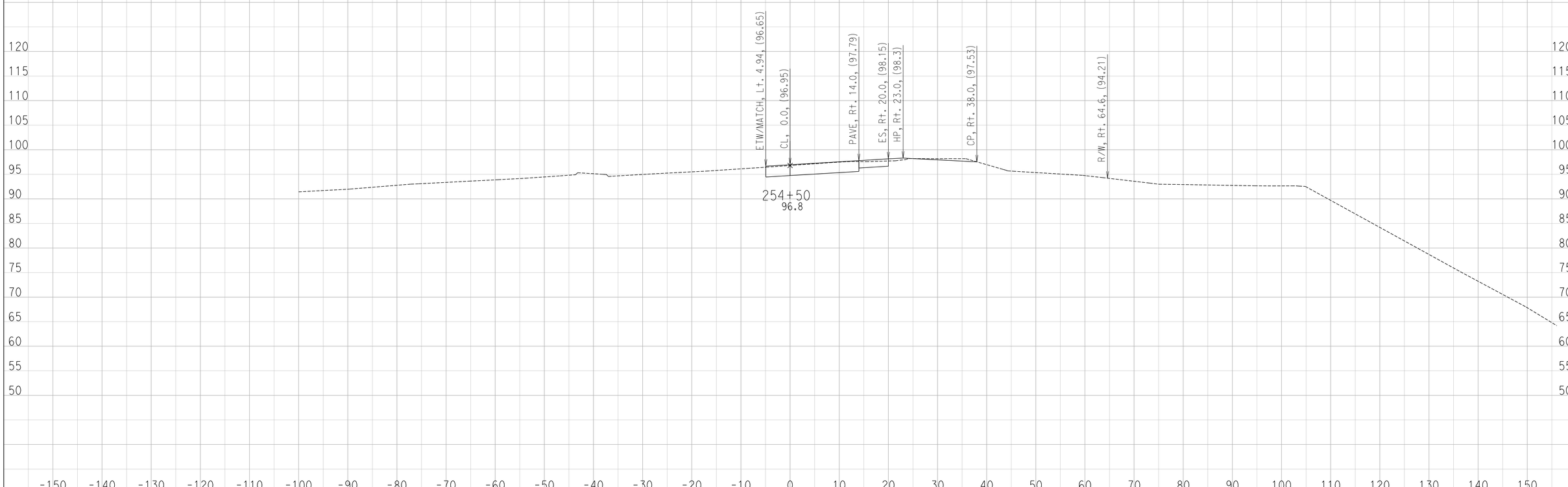
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

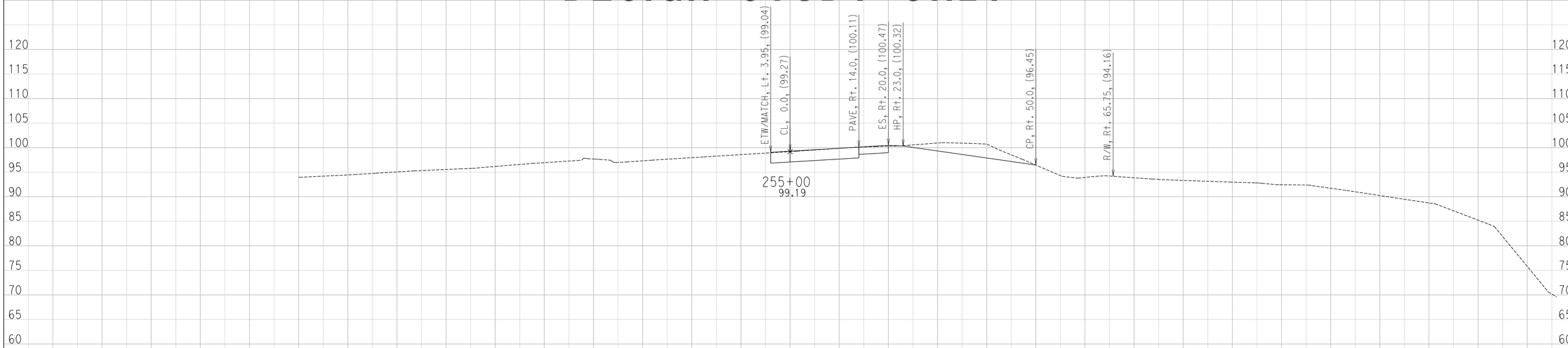
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

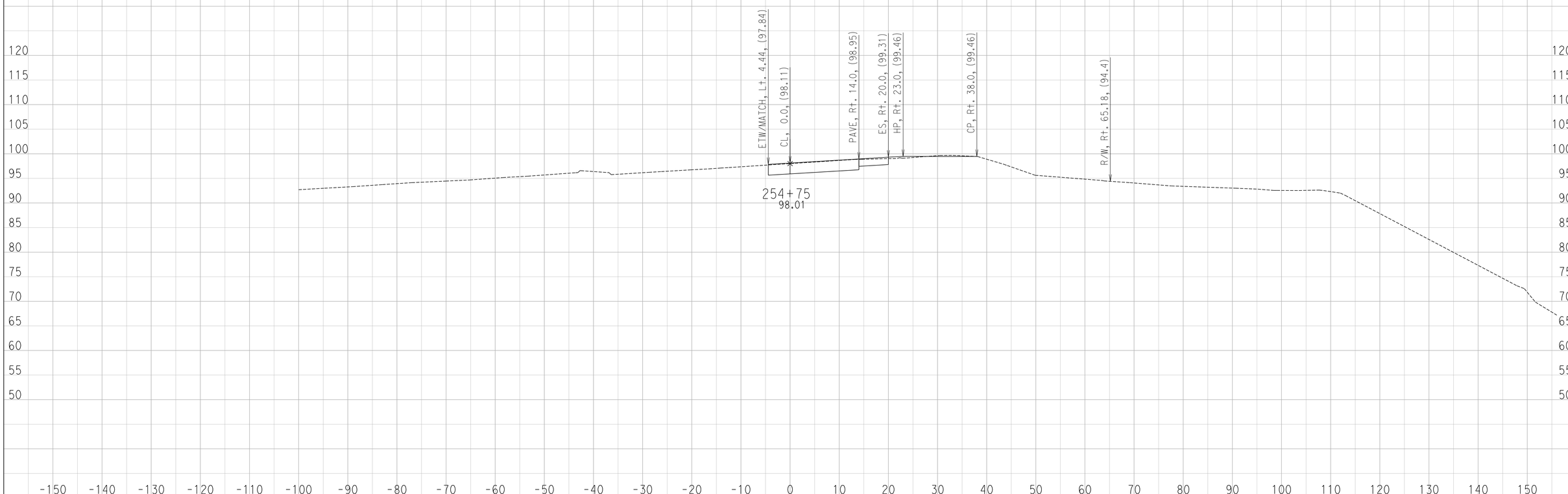
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 41 OF 50

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/24/2016

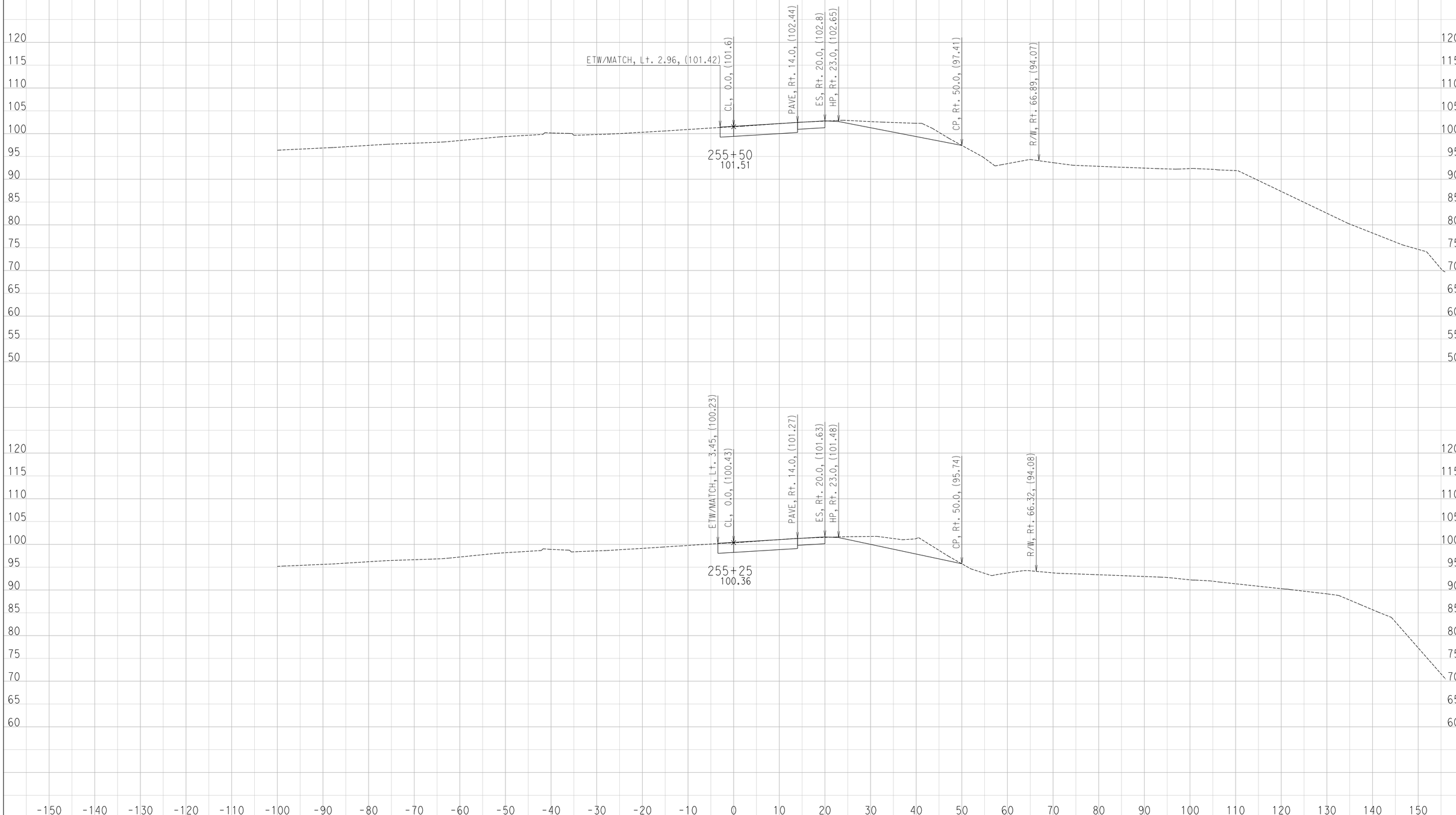
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 42 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

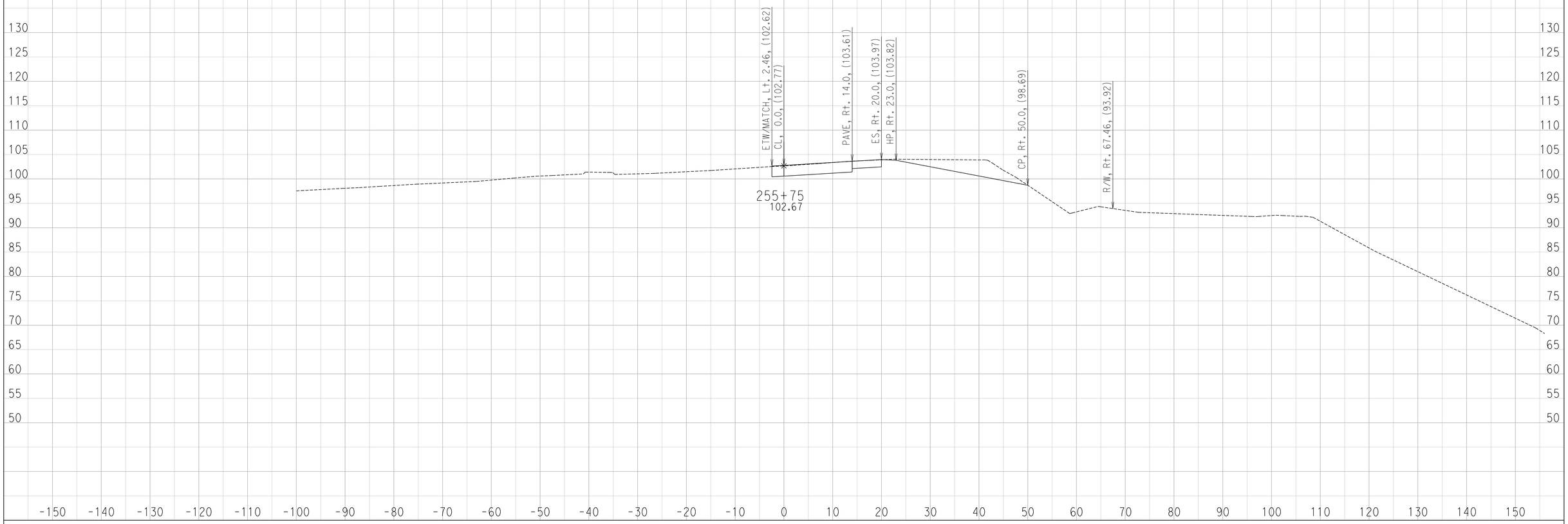
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 44 OF 50

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/24/2016

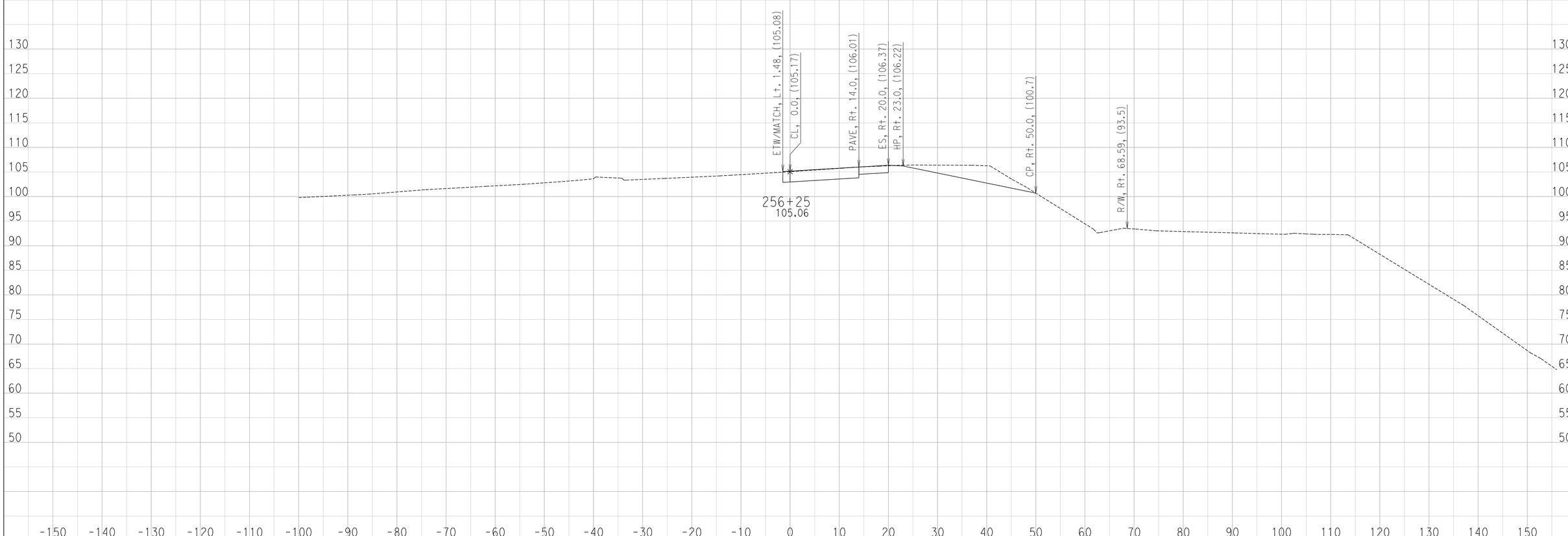
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 45 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

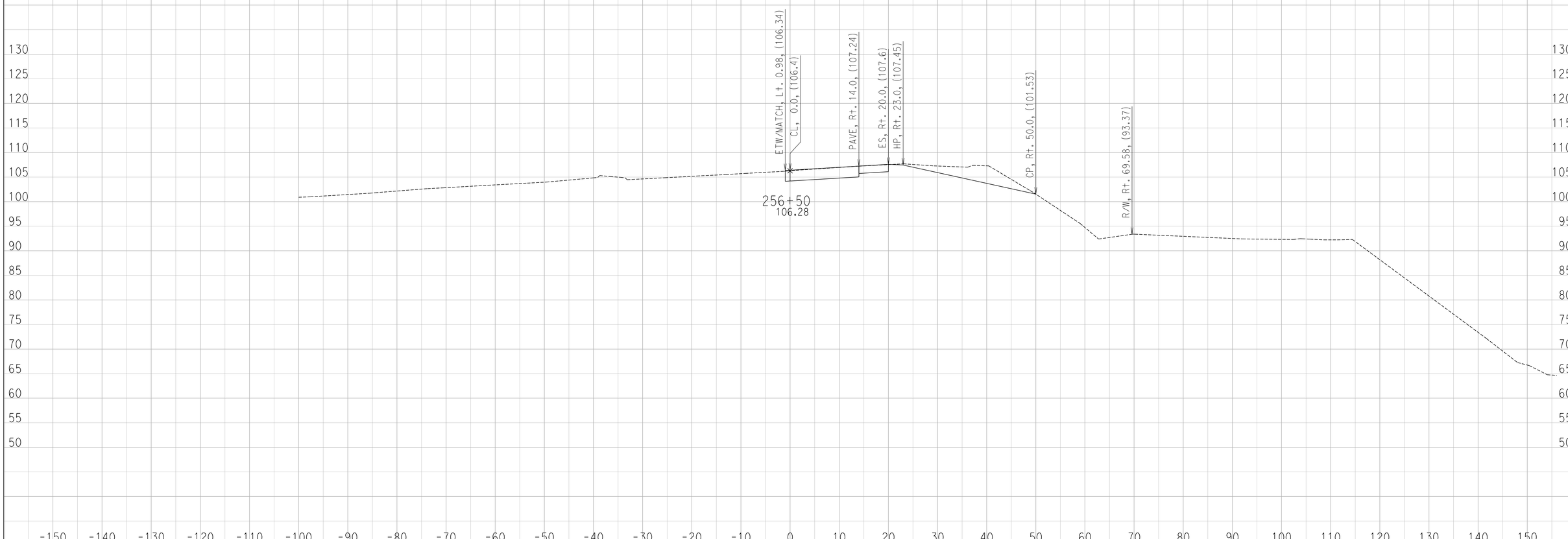
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

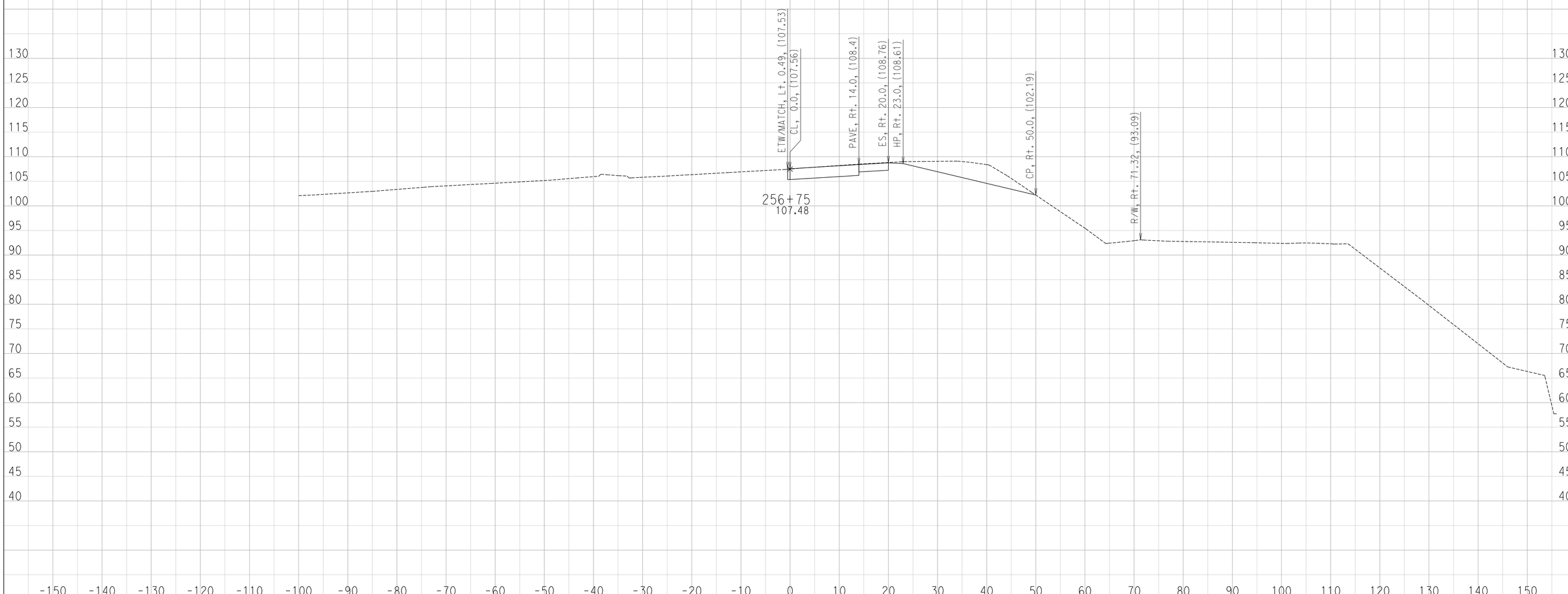
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

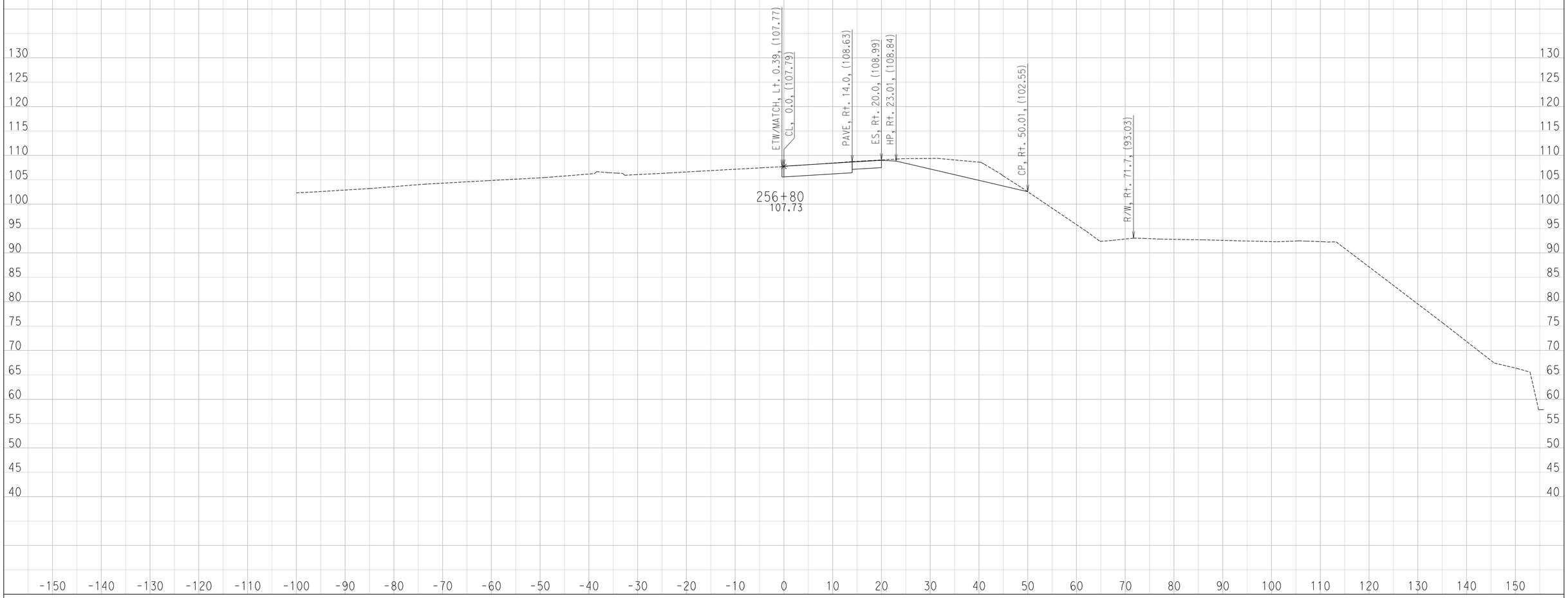
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

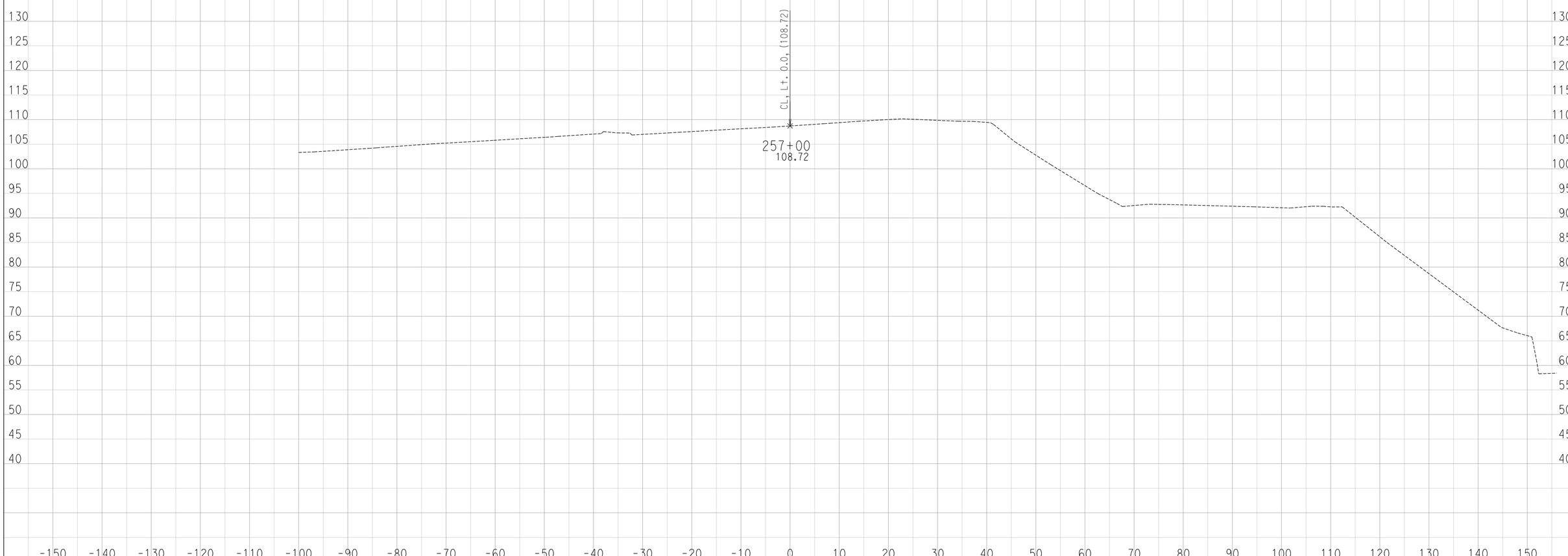
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

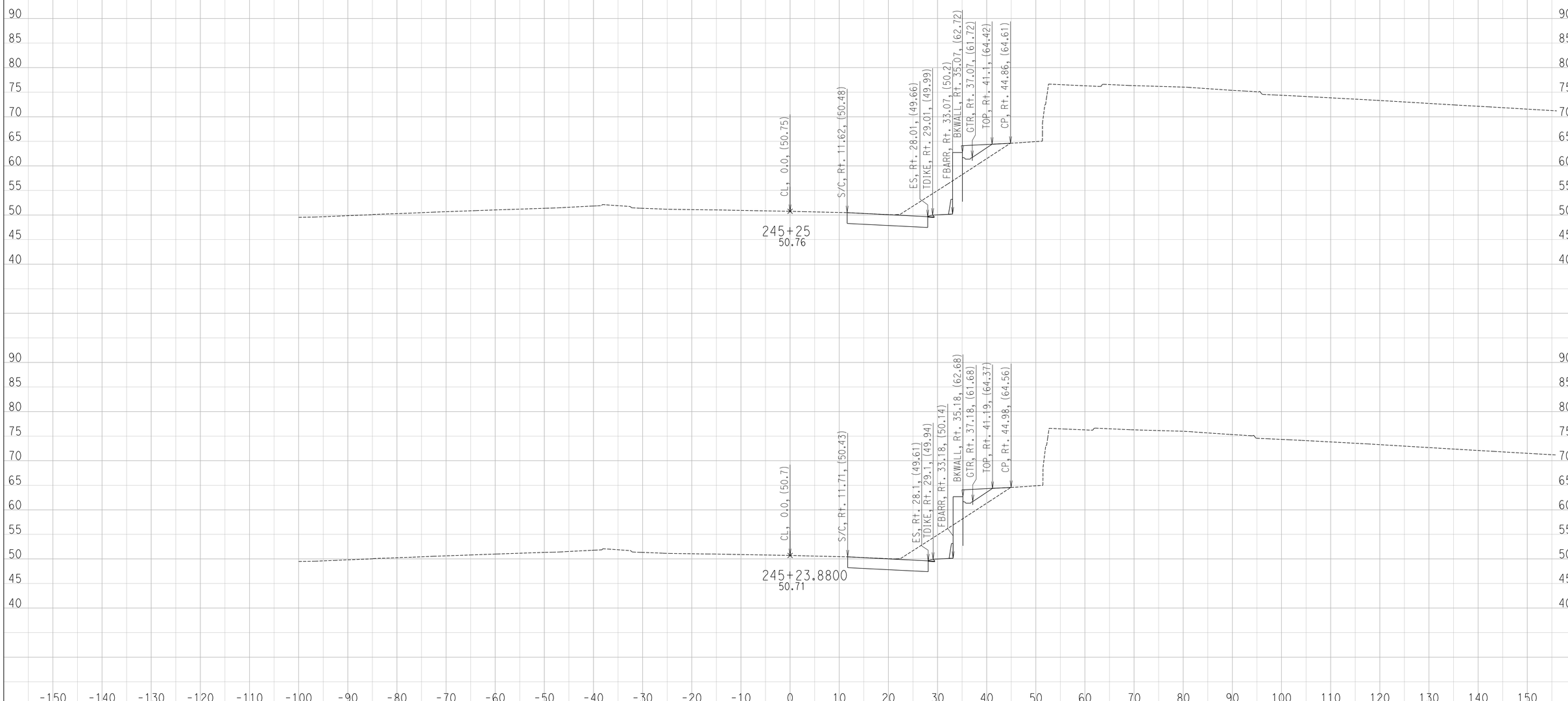
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-1
CROSS SECTIONS
SHEET 50 OF 50

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

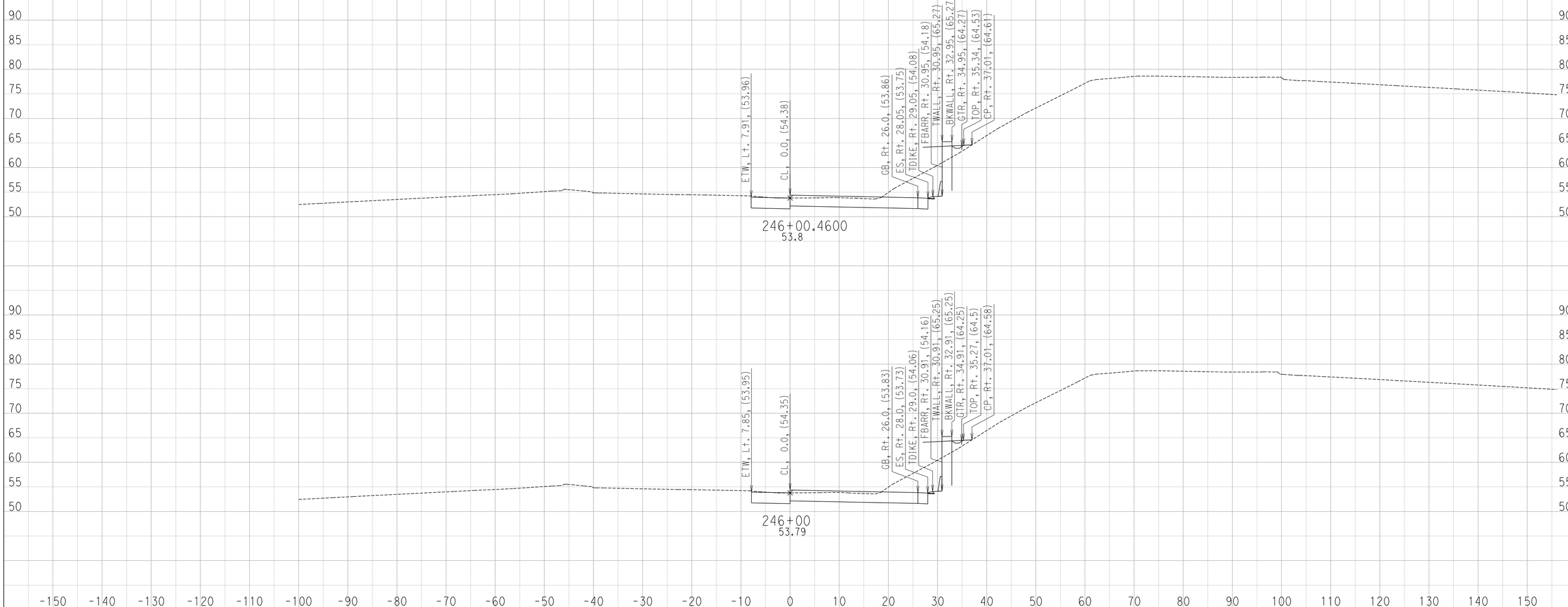
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

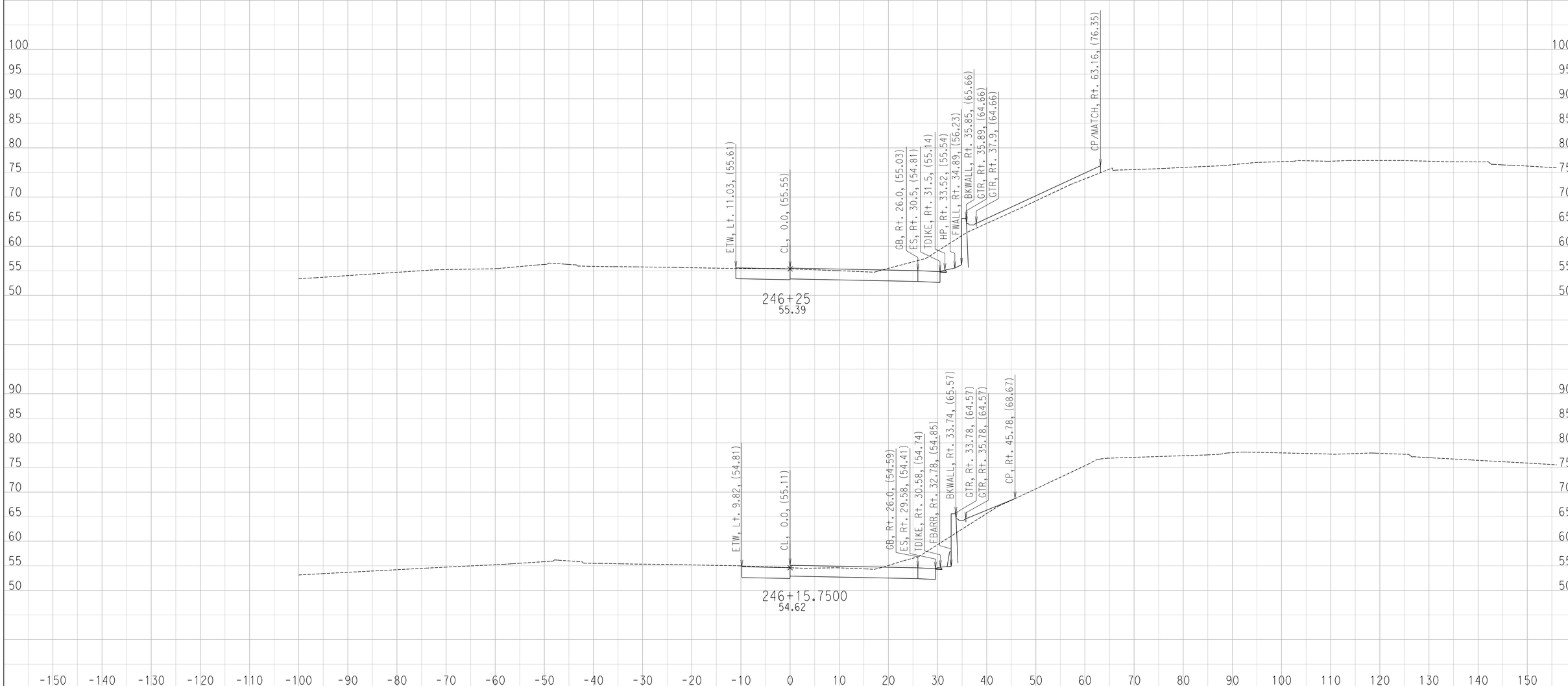
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS
SHEET 3 OF 29

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

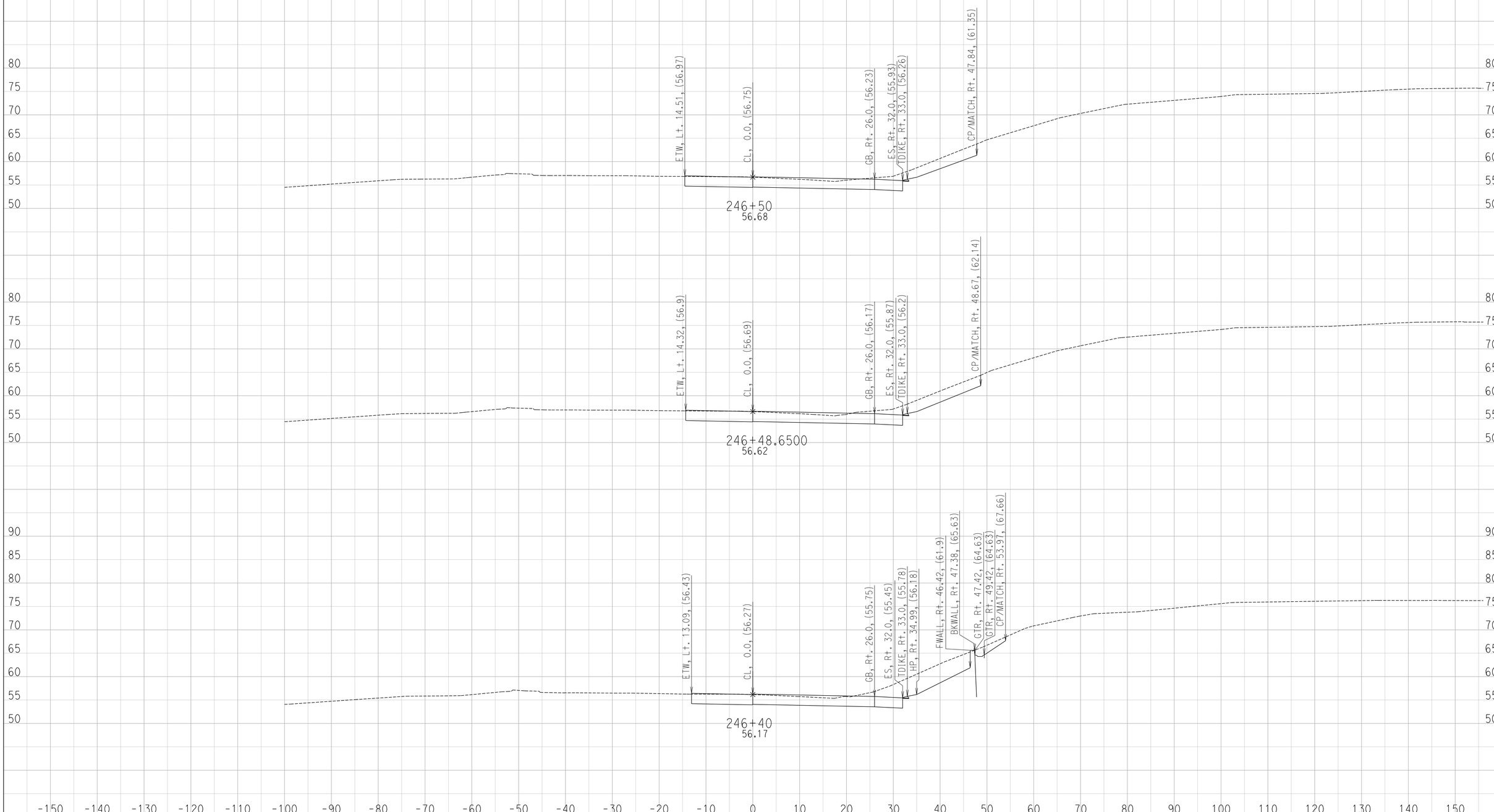
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS
SHEET 4 OF 29

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

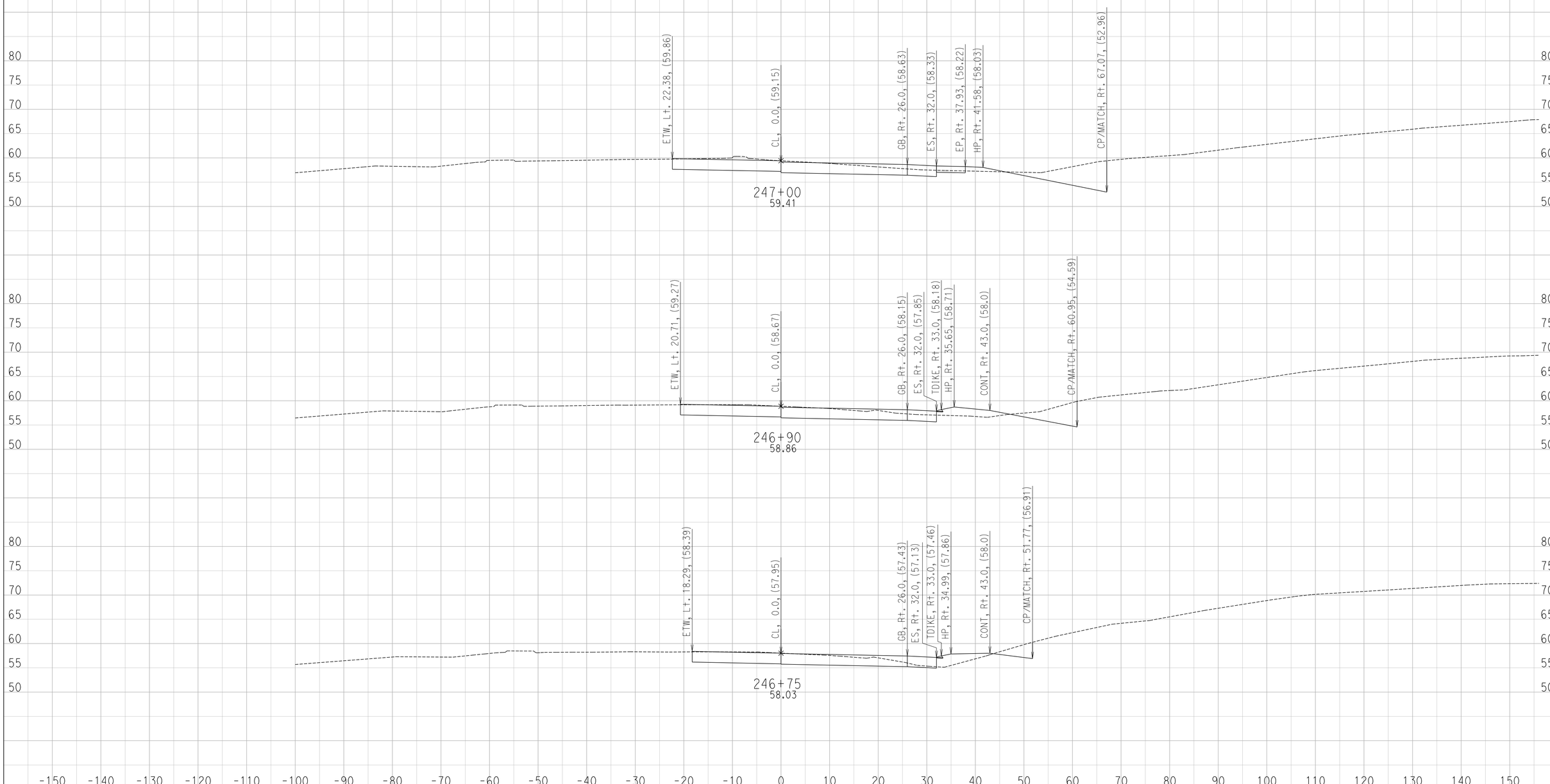
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS
SHEET 5 OF 29

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

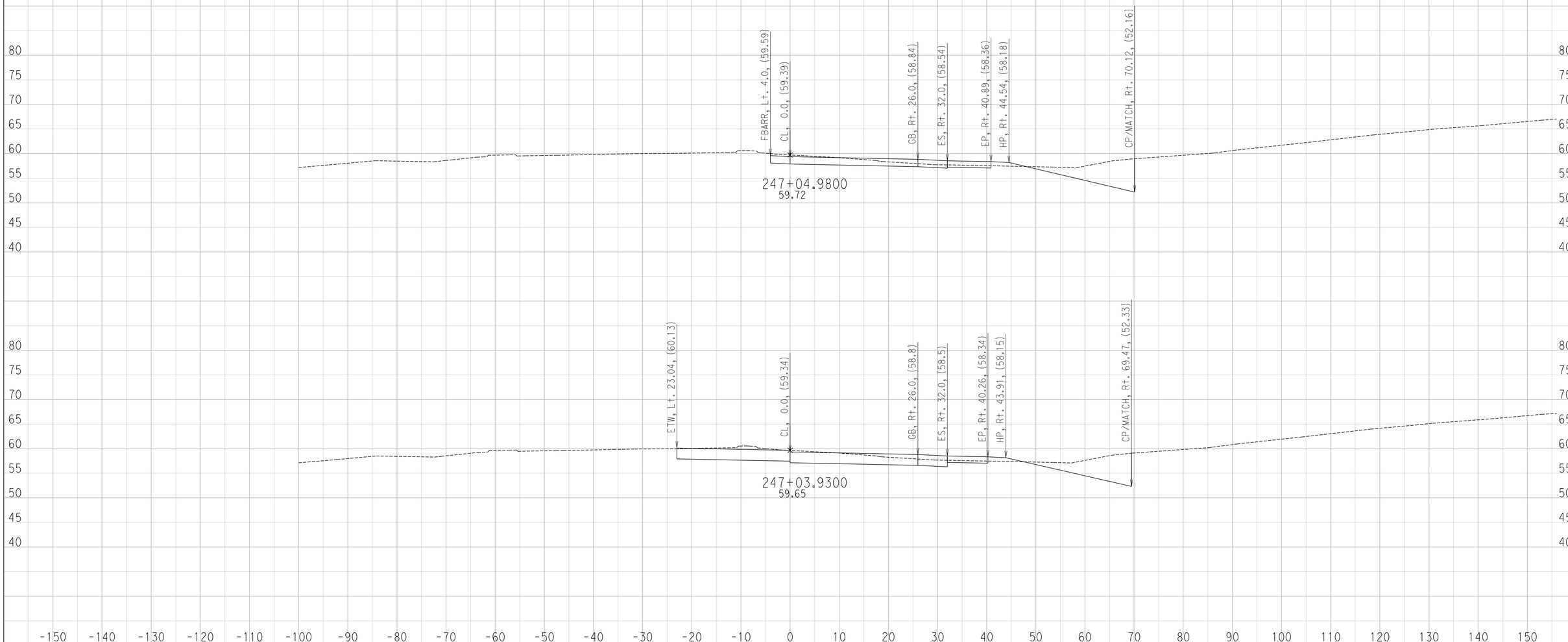
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS
SHEET 6 OF 29

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

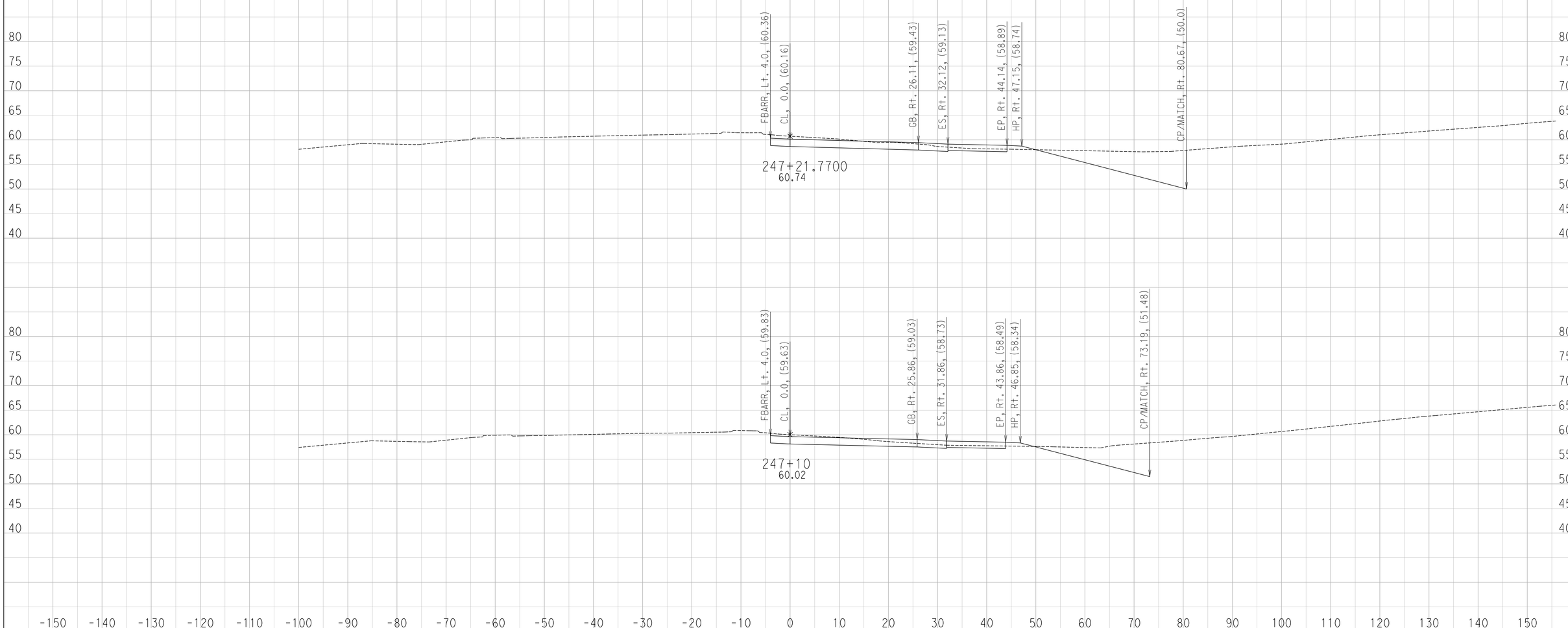
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

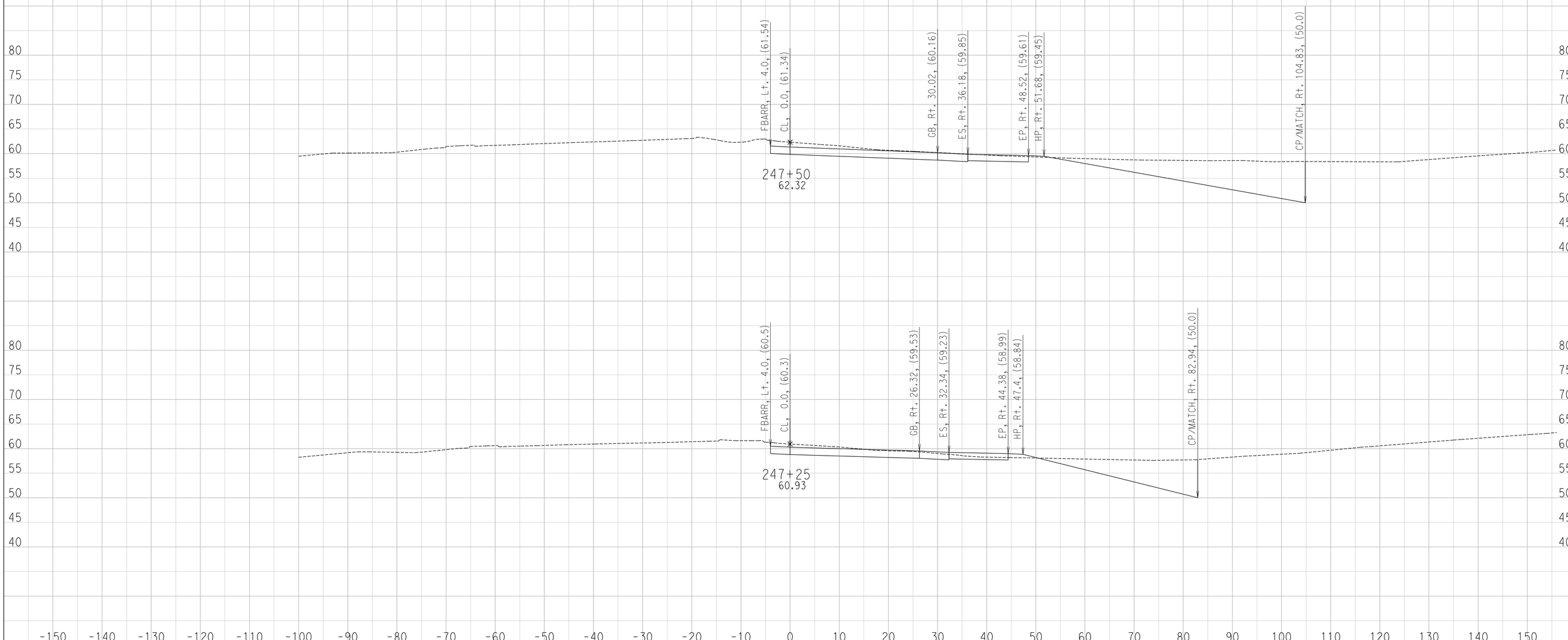
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

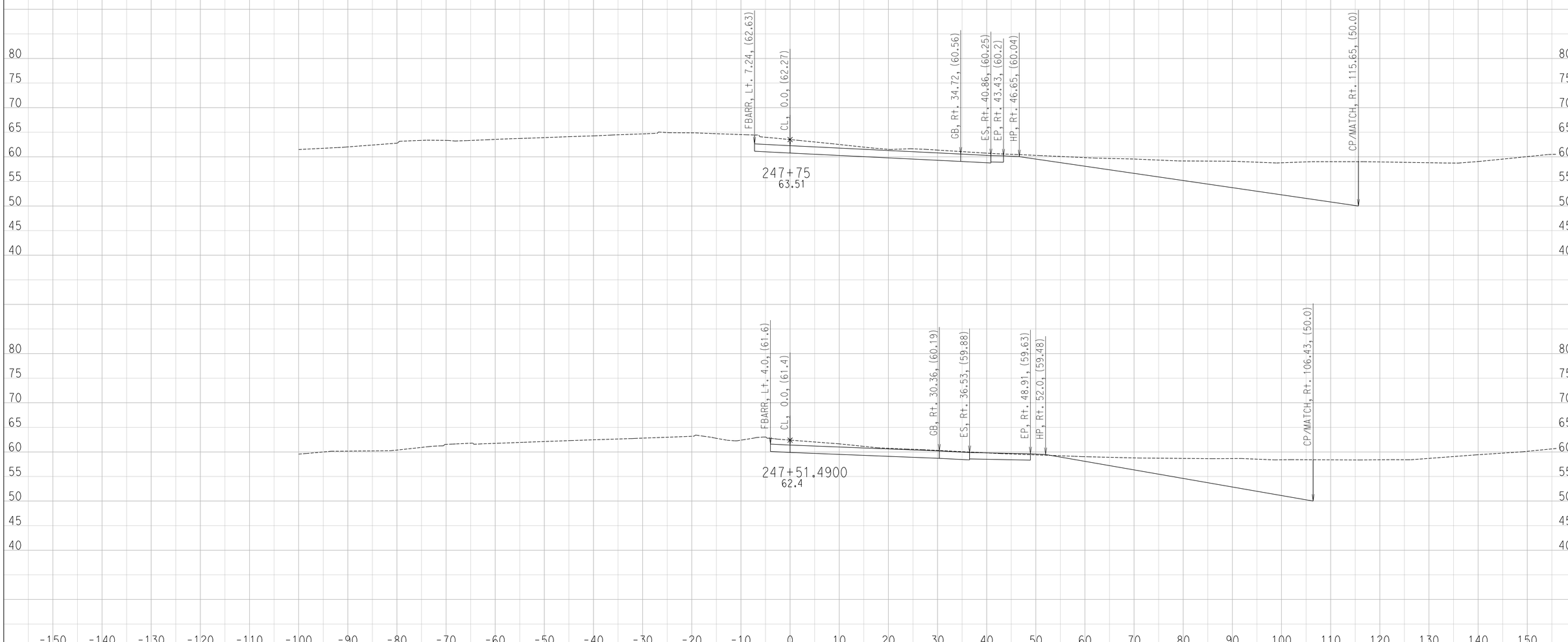
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

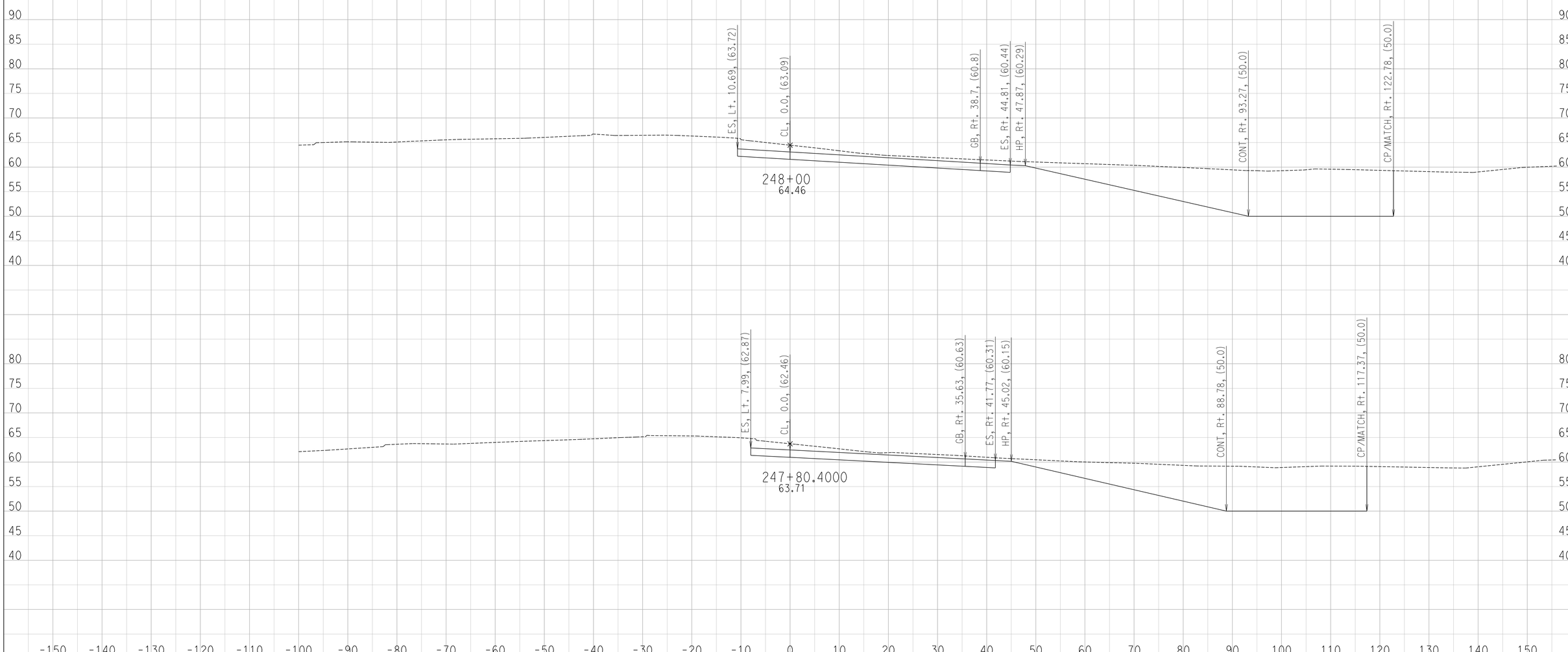
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS
SHEET 10 OF 29

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

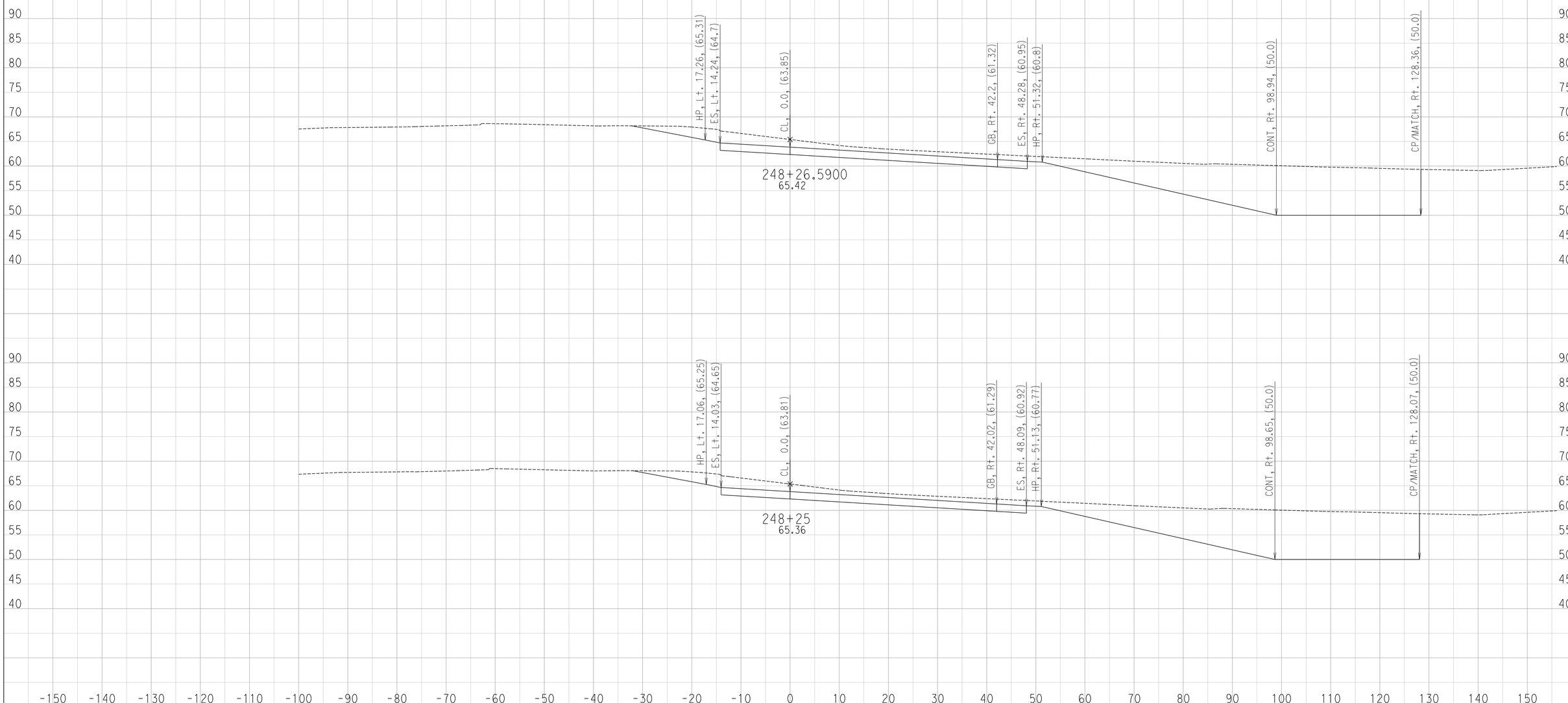
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS
SHEET 11 OF 29

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

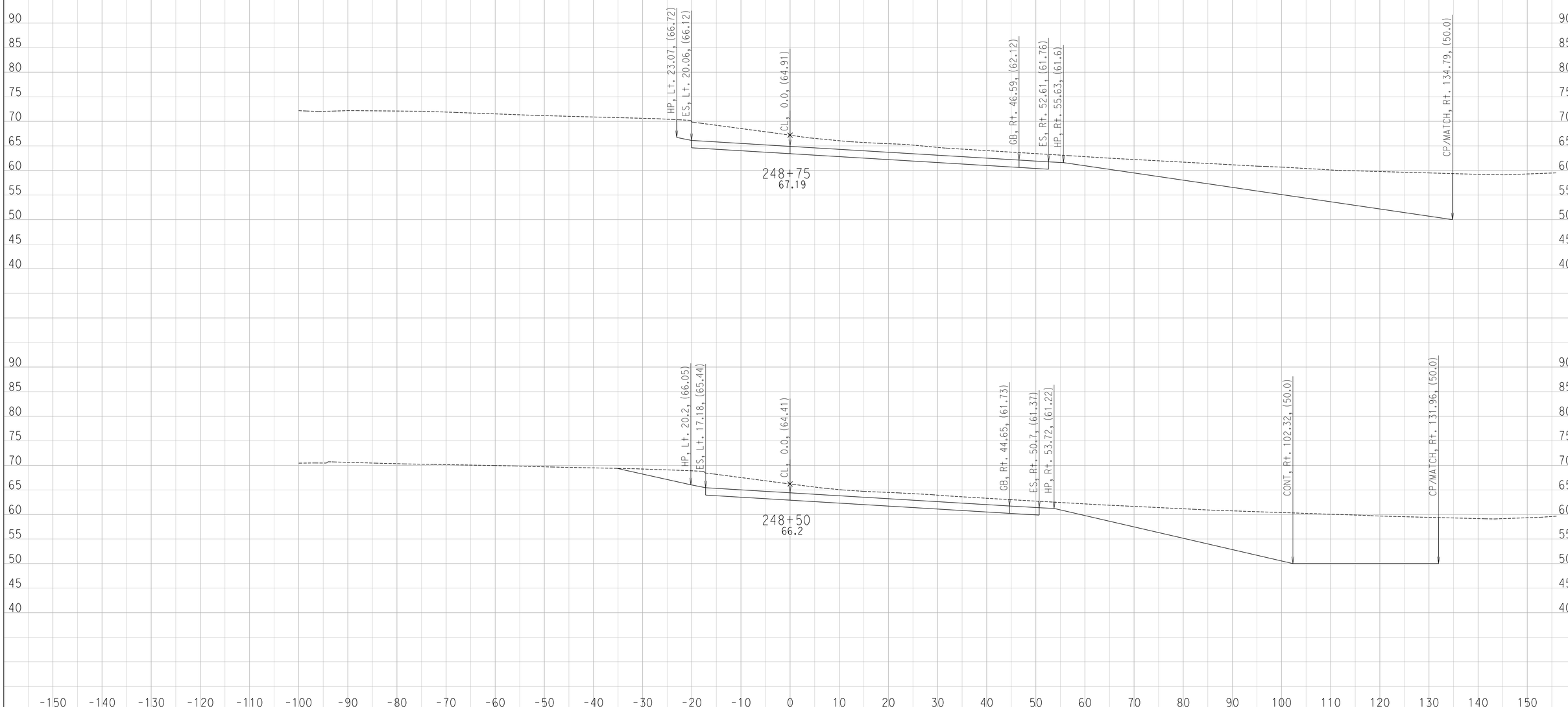
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

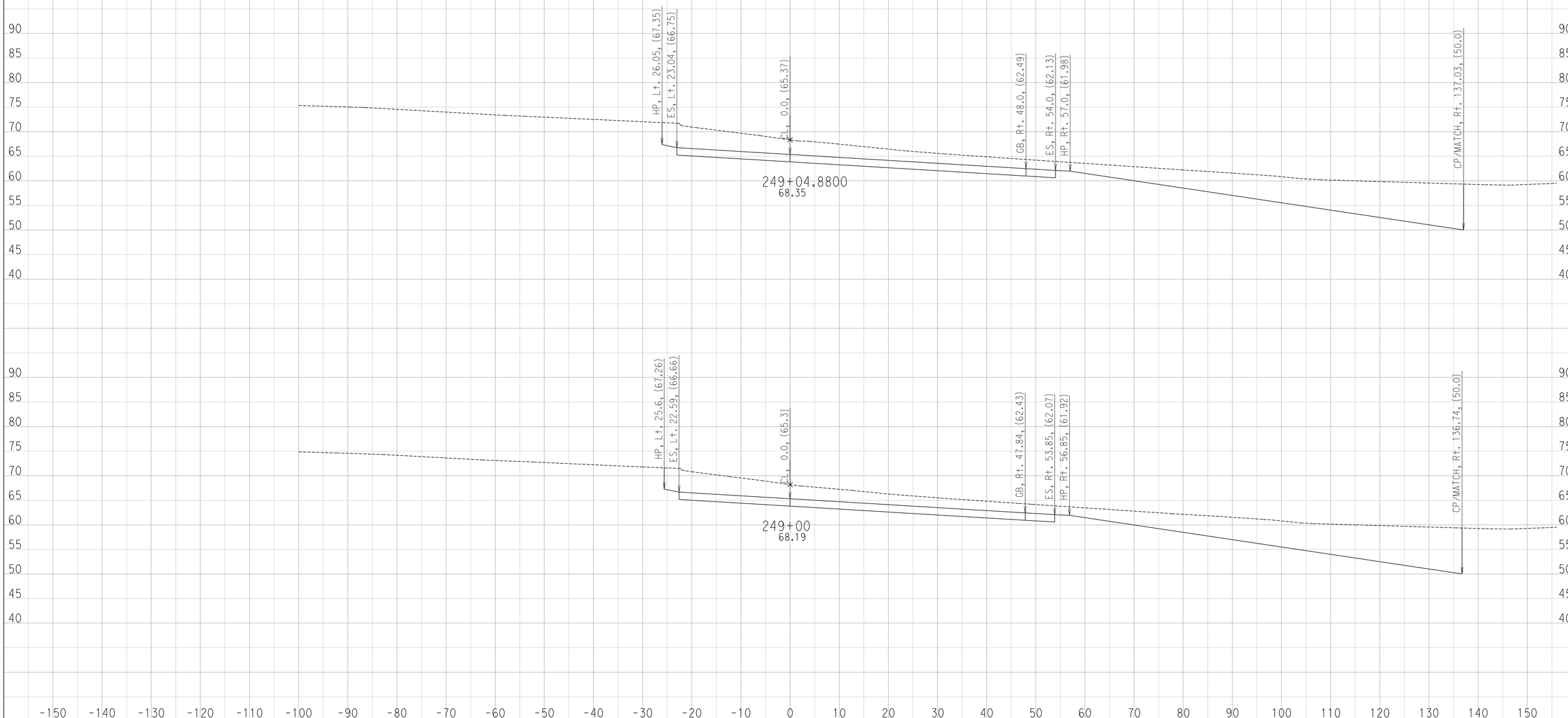
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

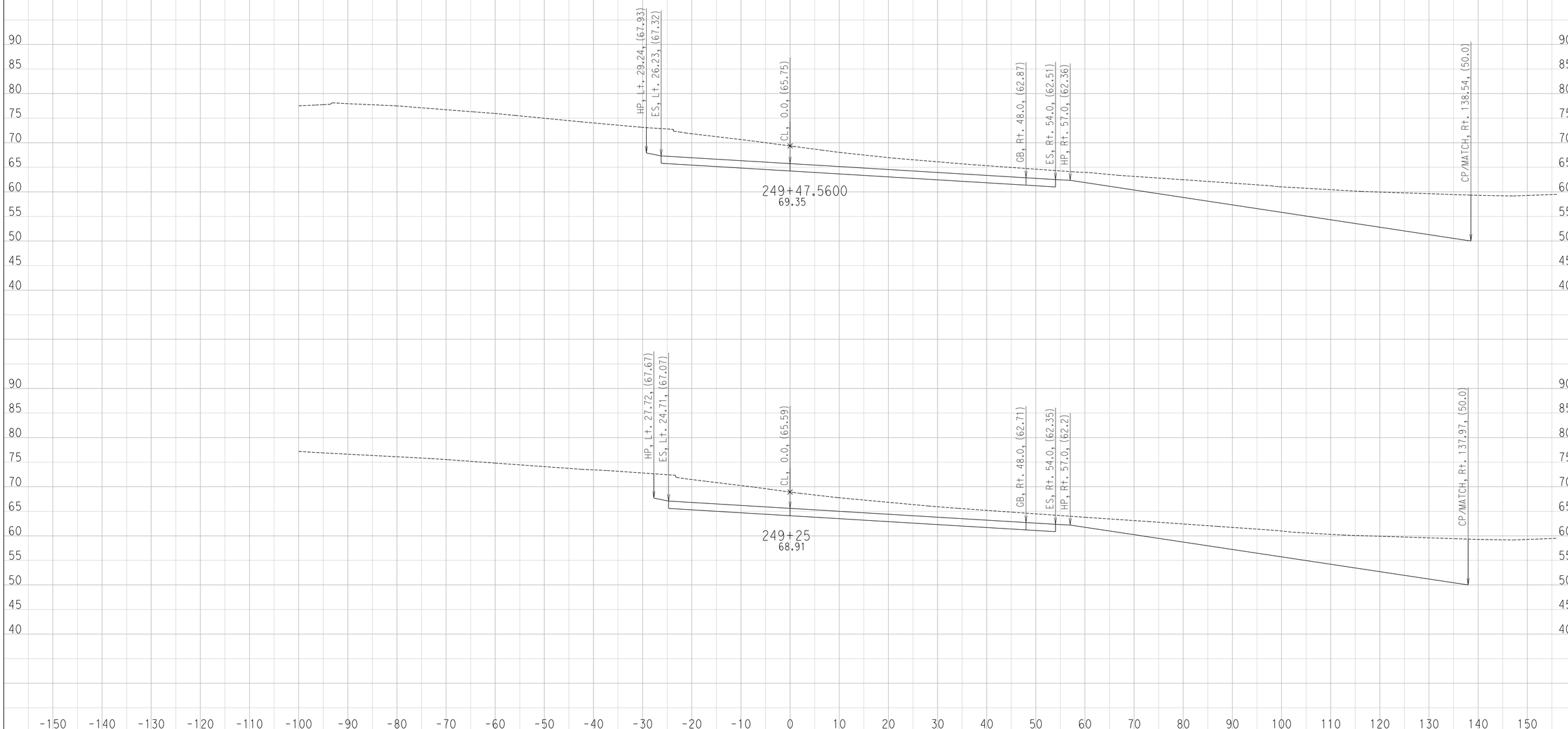
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

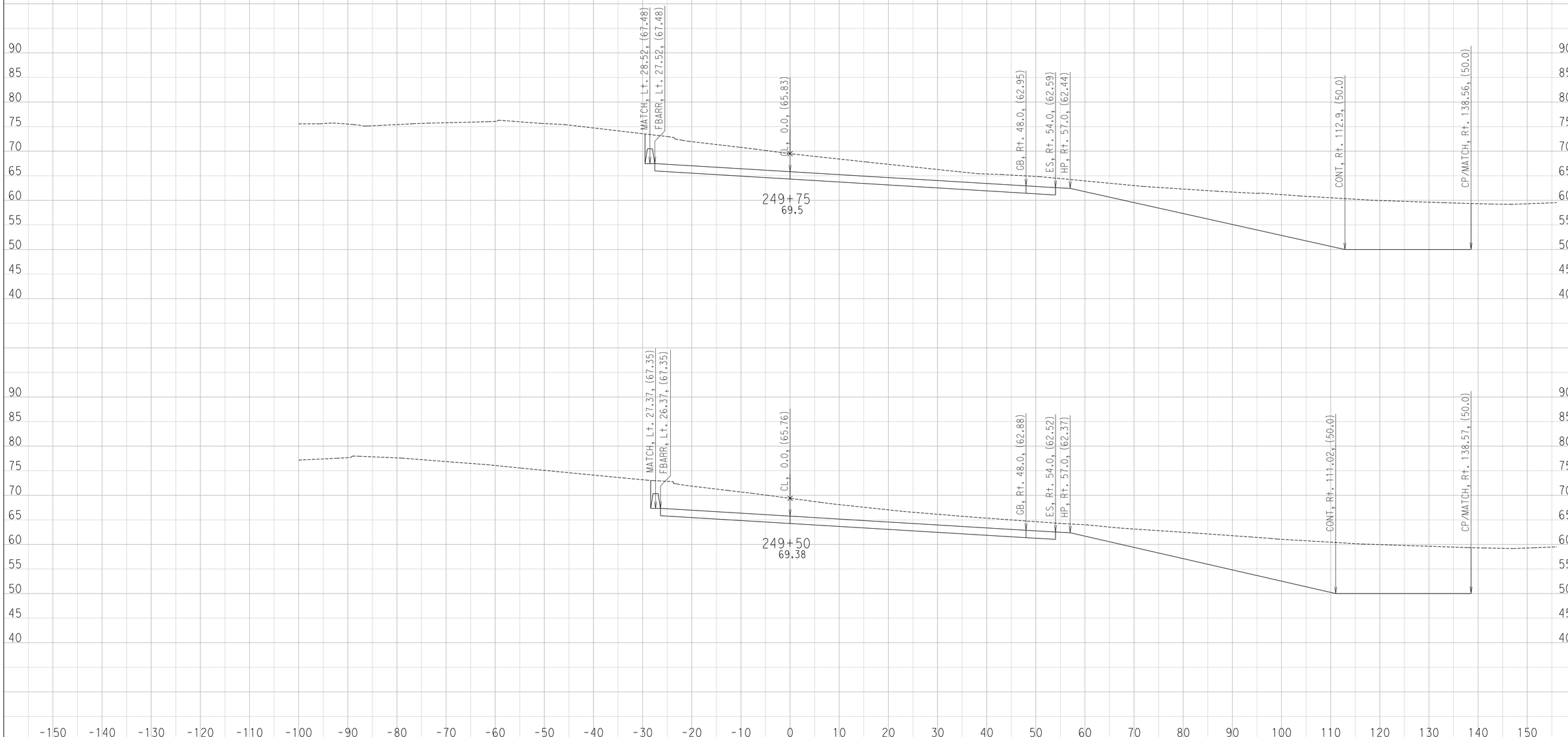
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

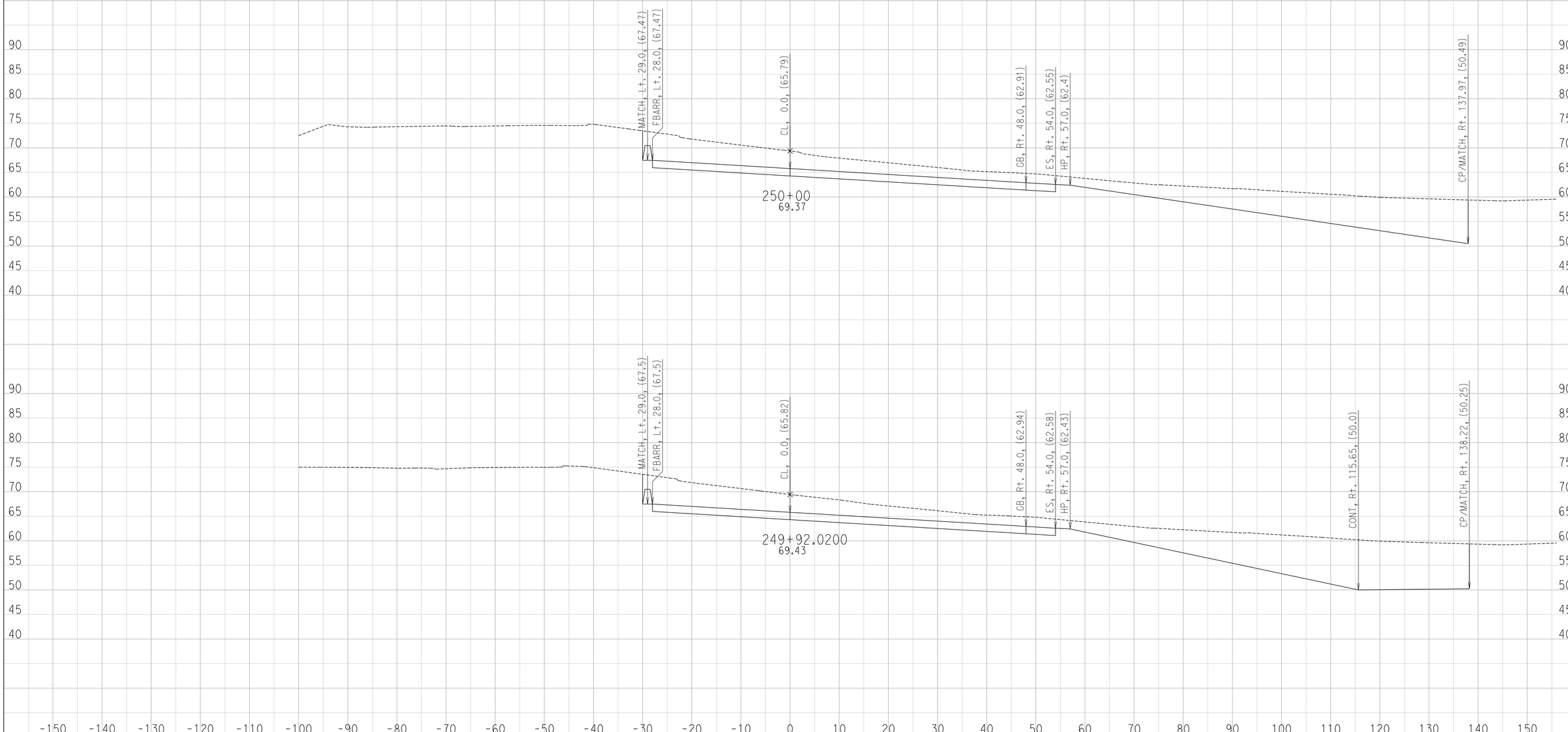
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

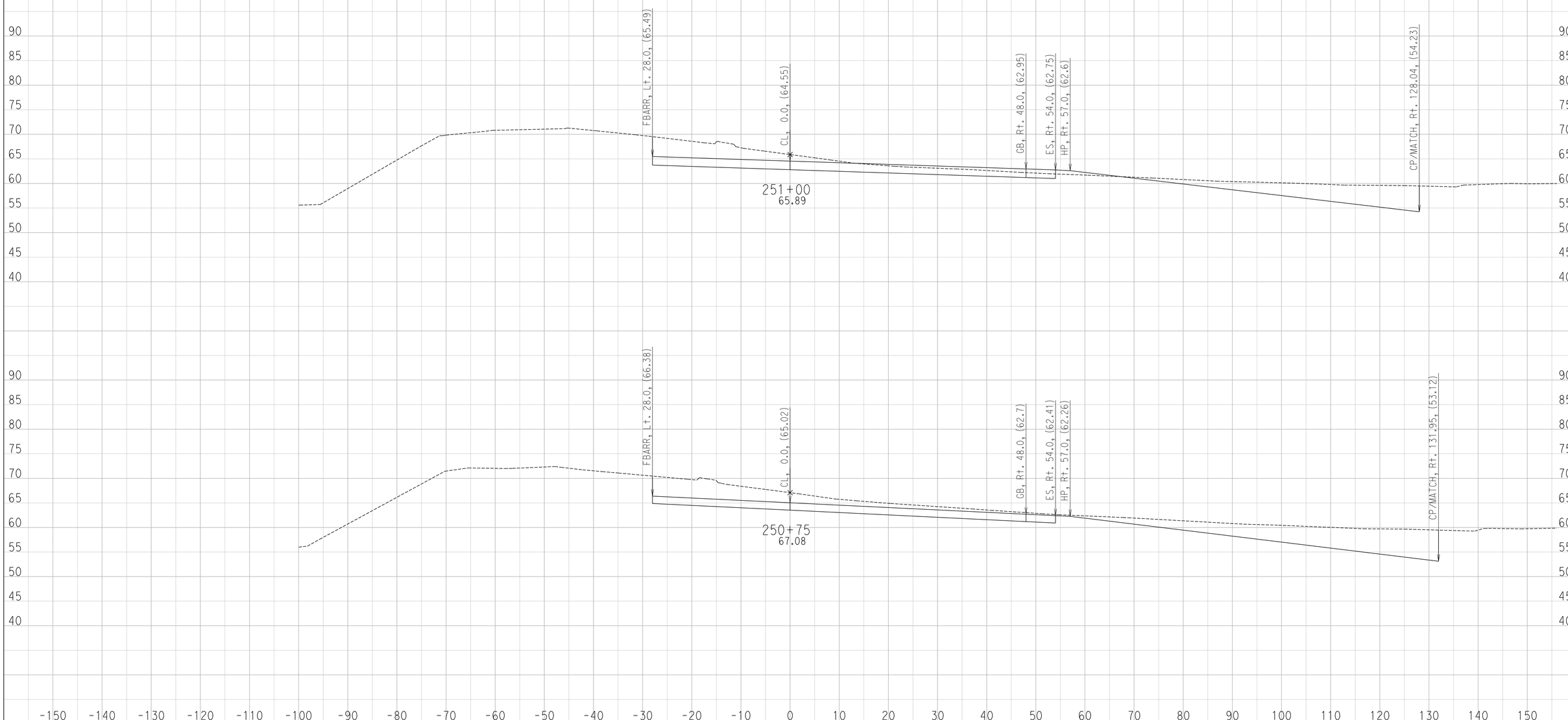
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

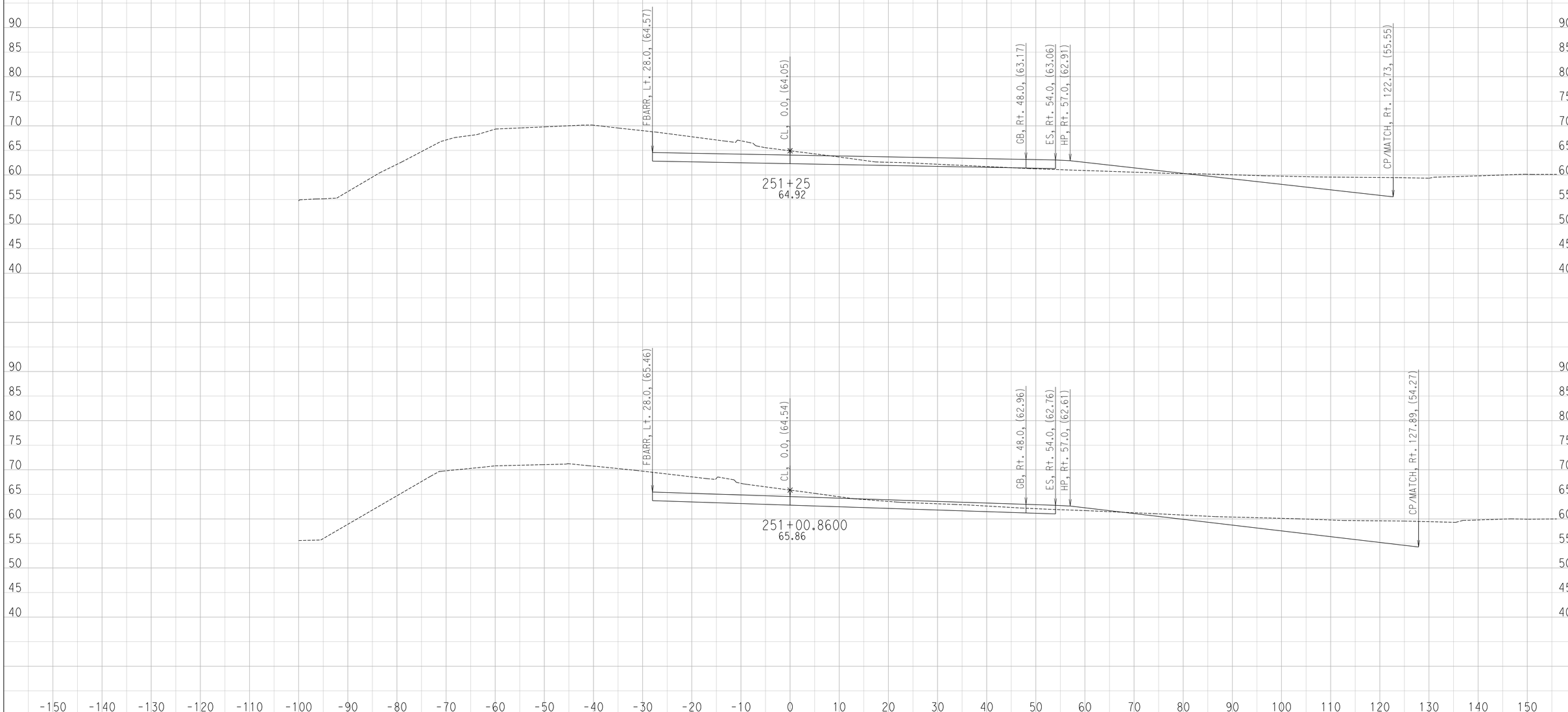
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

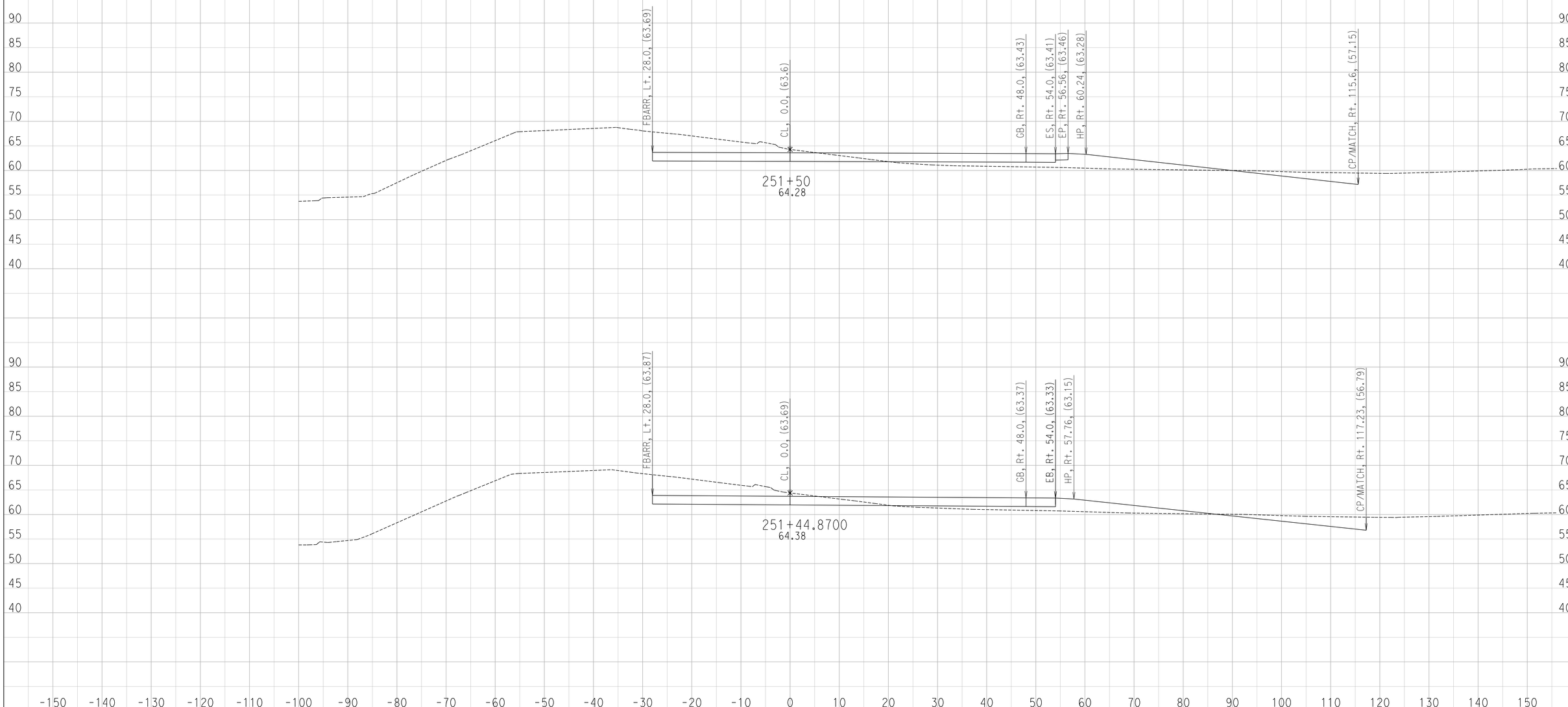
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

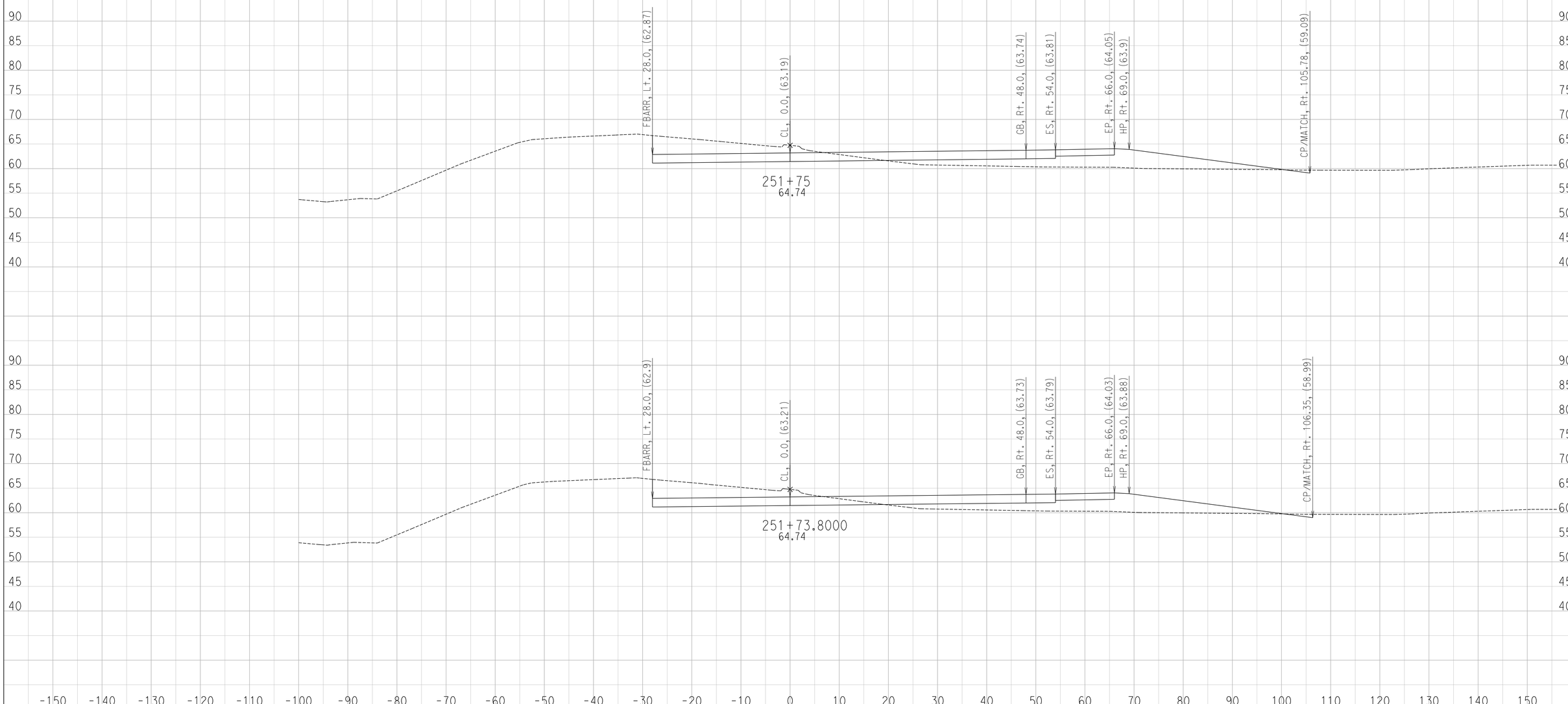
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

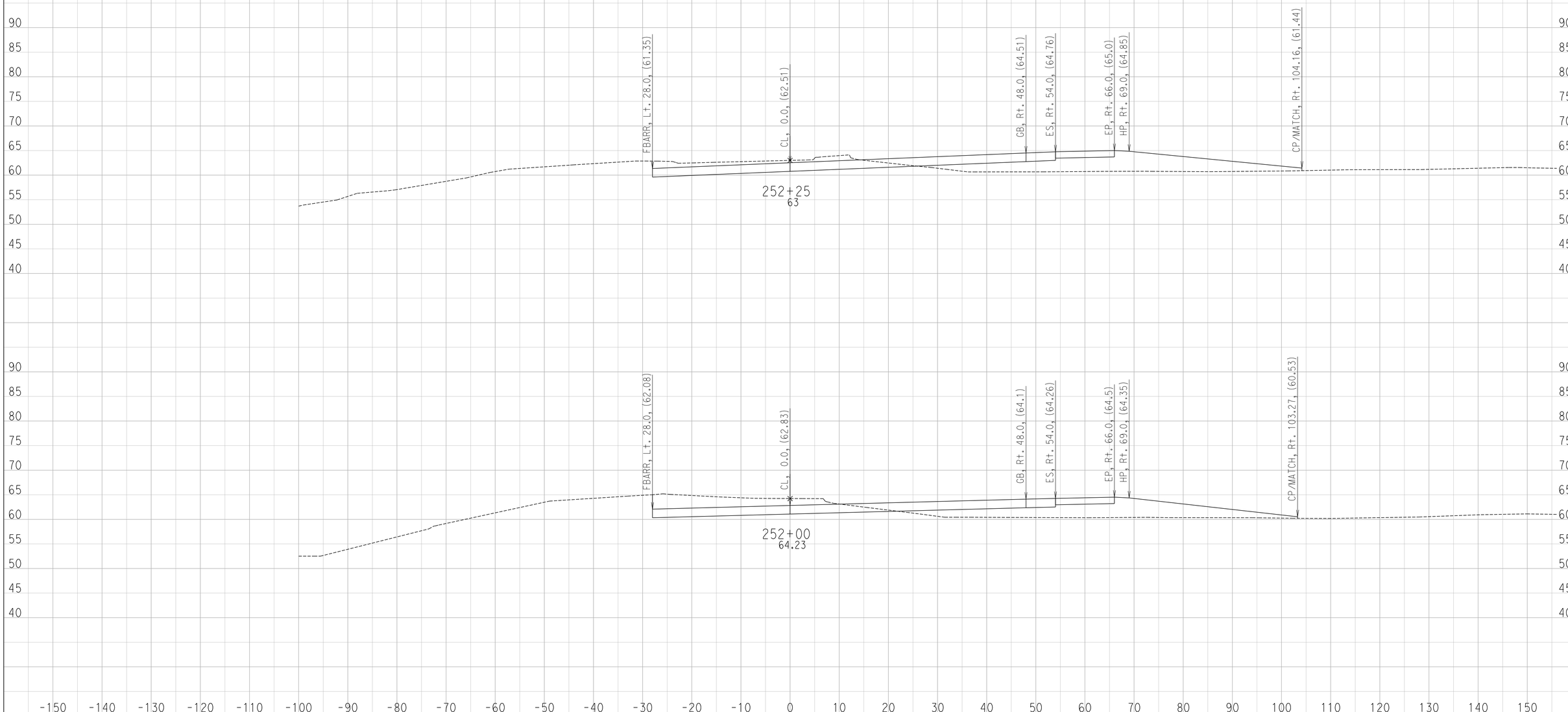
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

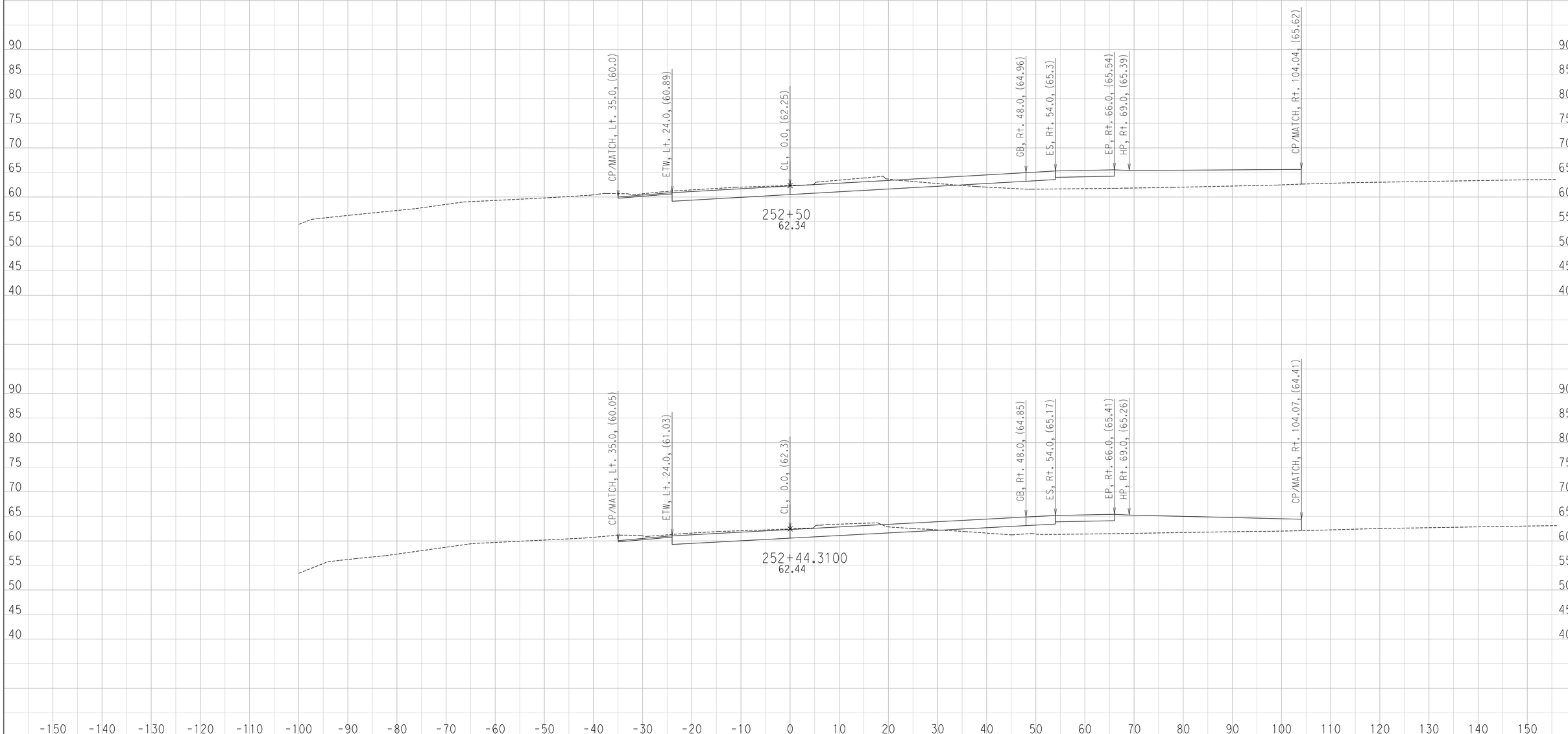
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

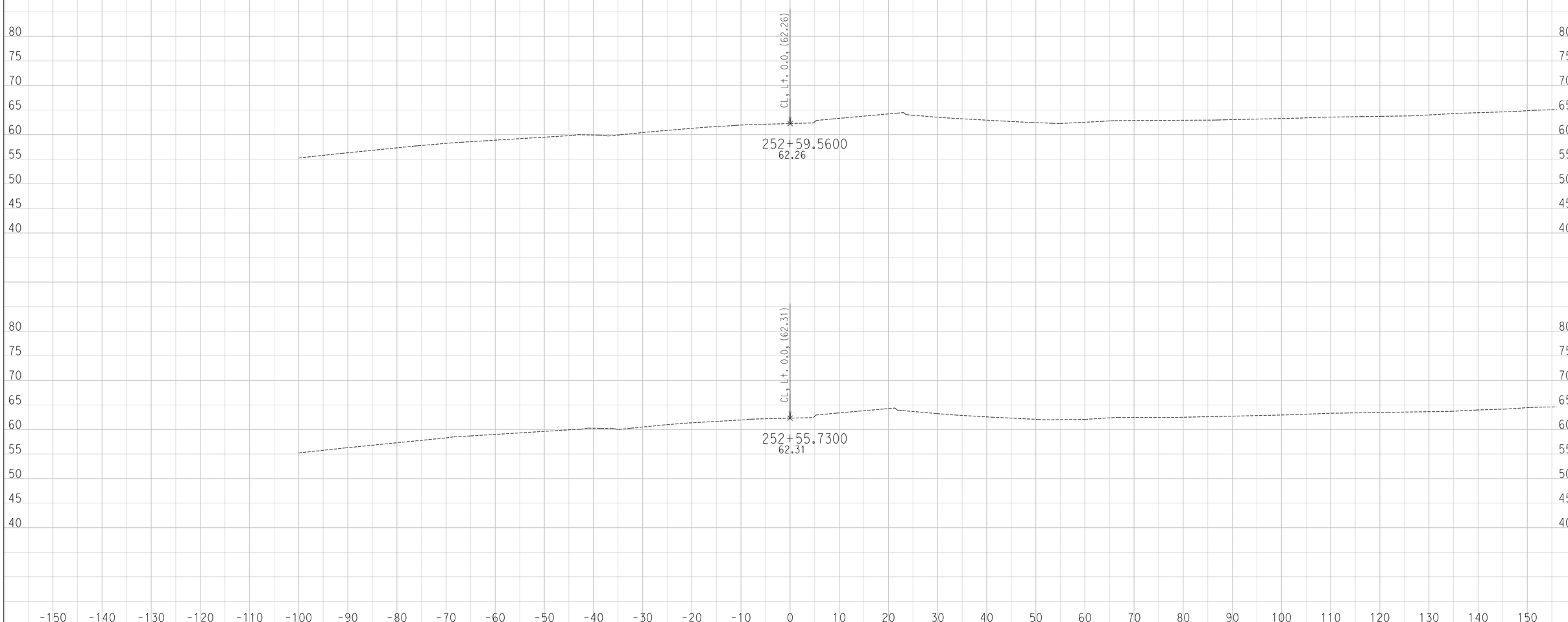
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

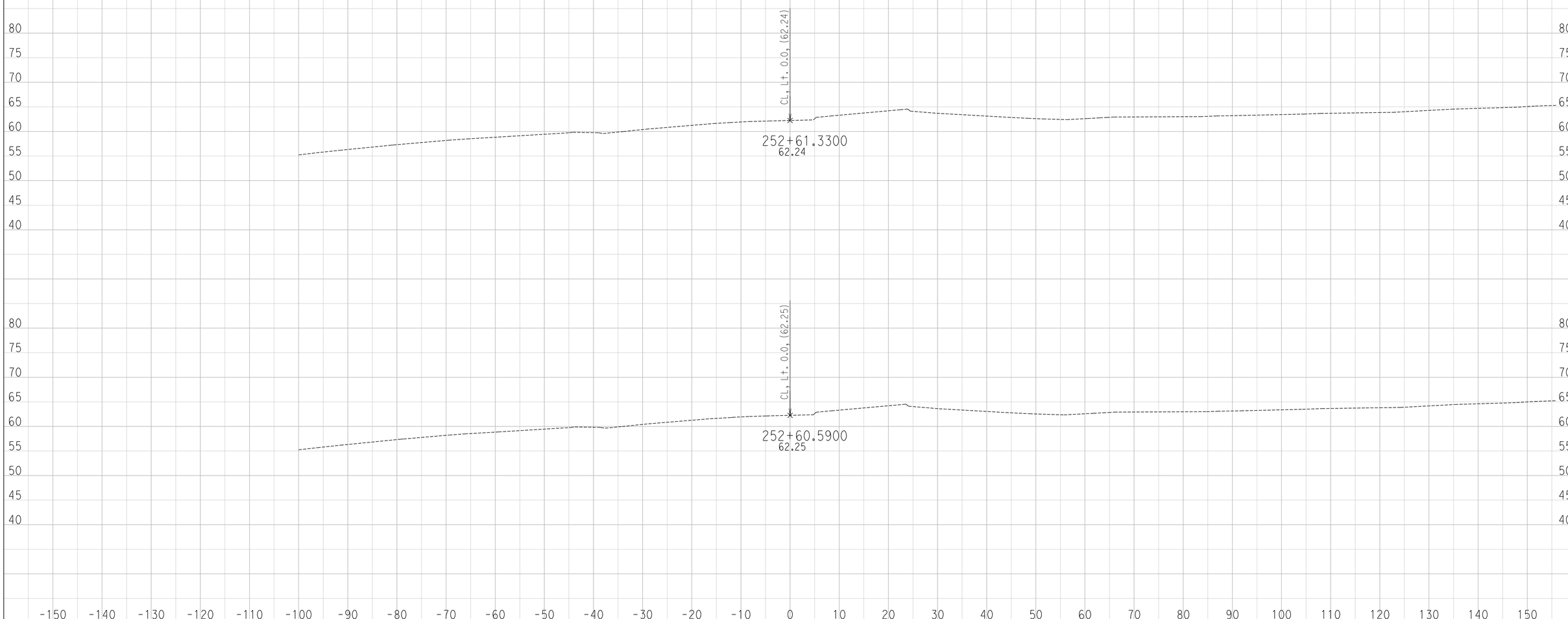
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

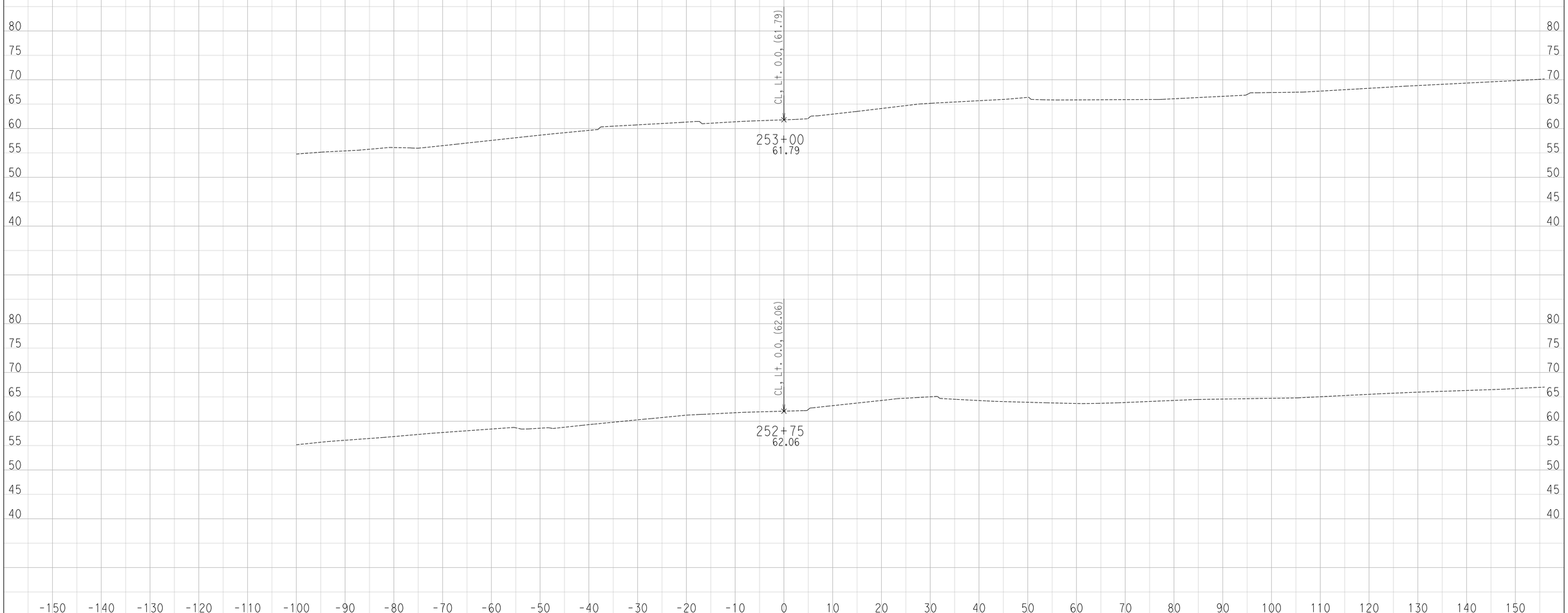
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

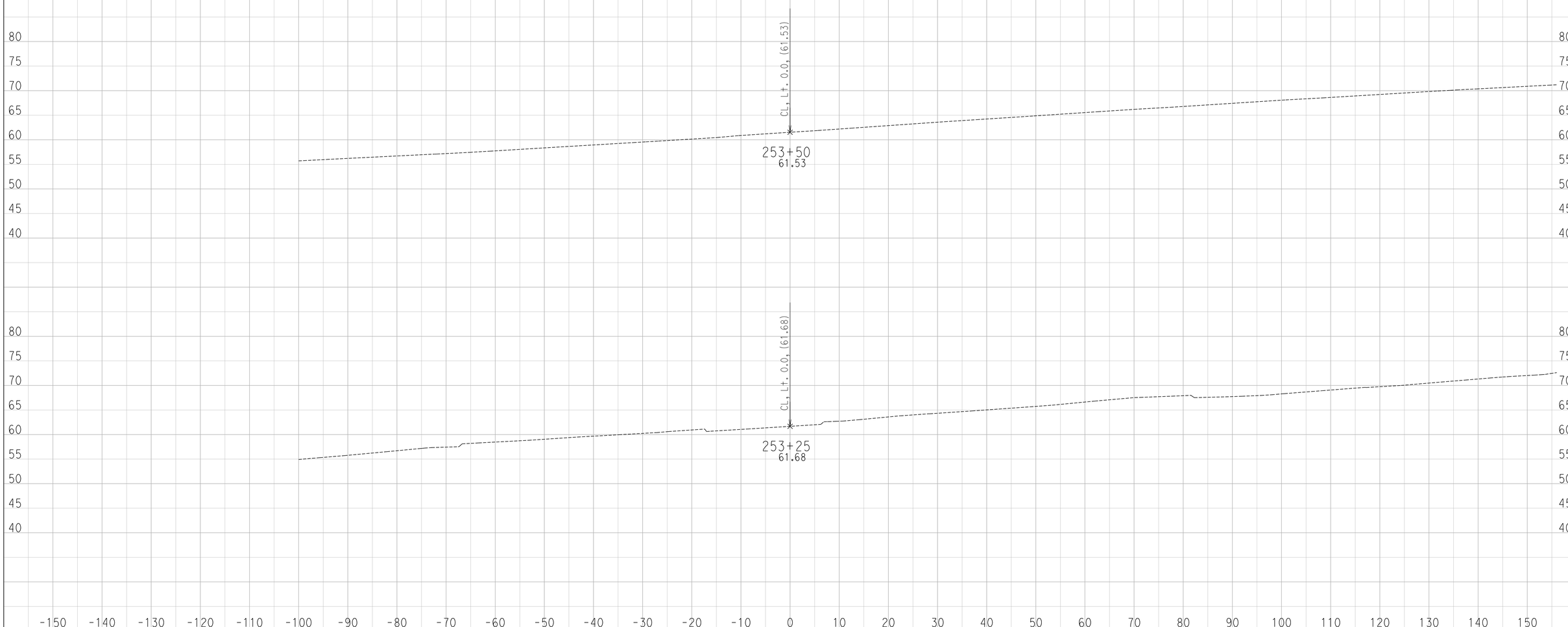
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

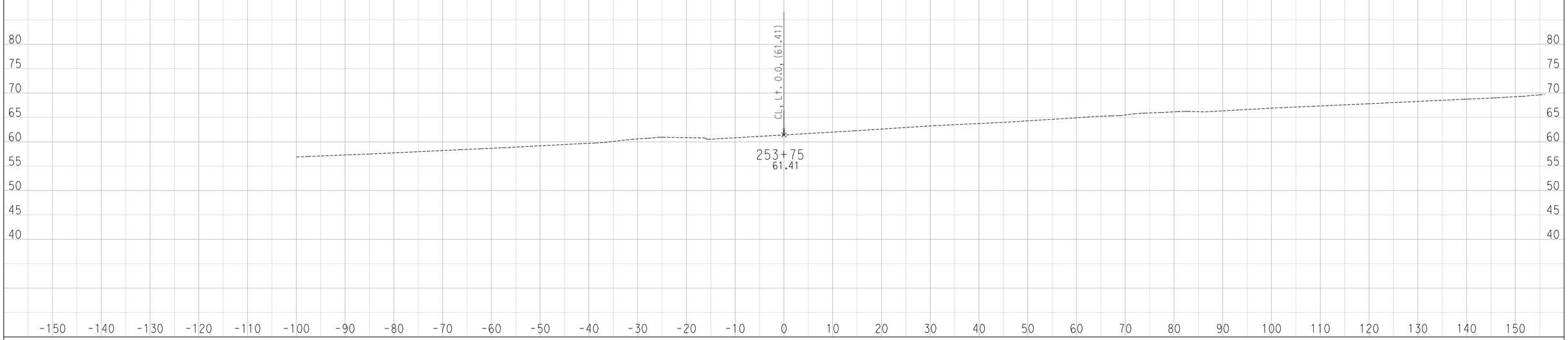
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

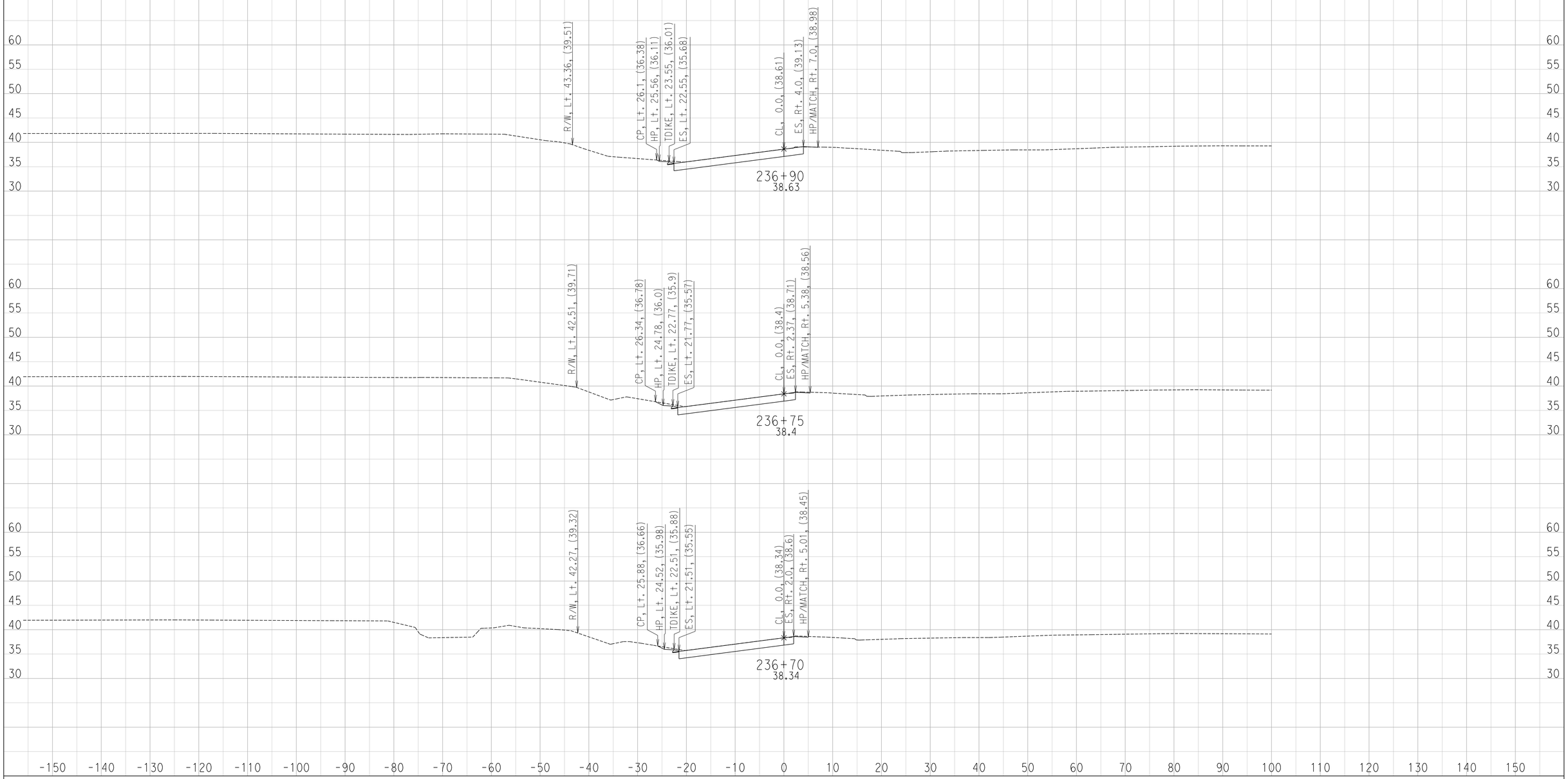
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-2
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

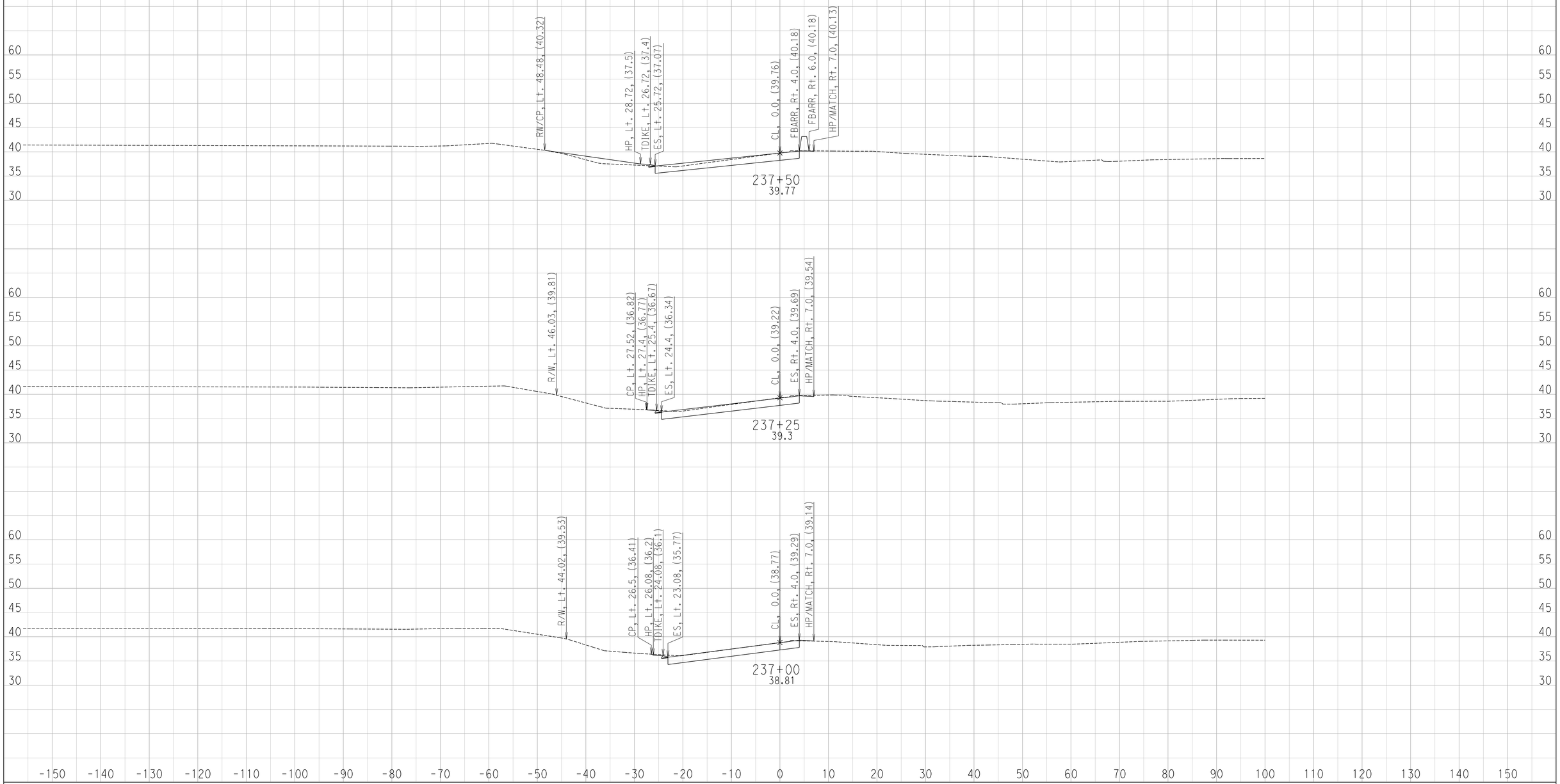
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 1 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

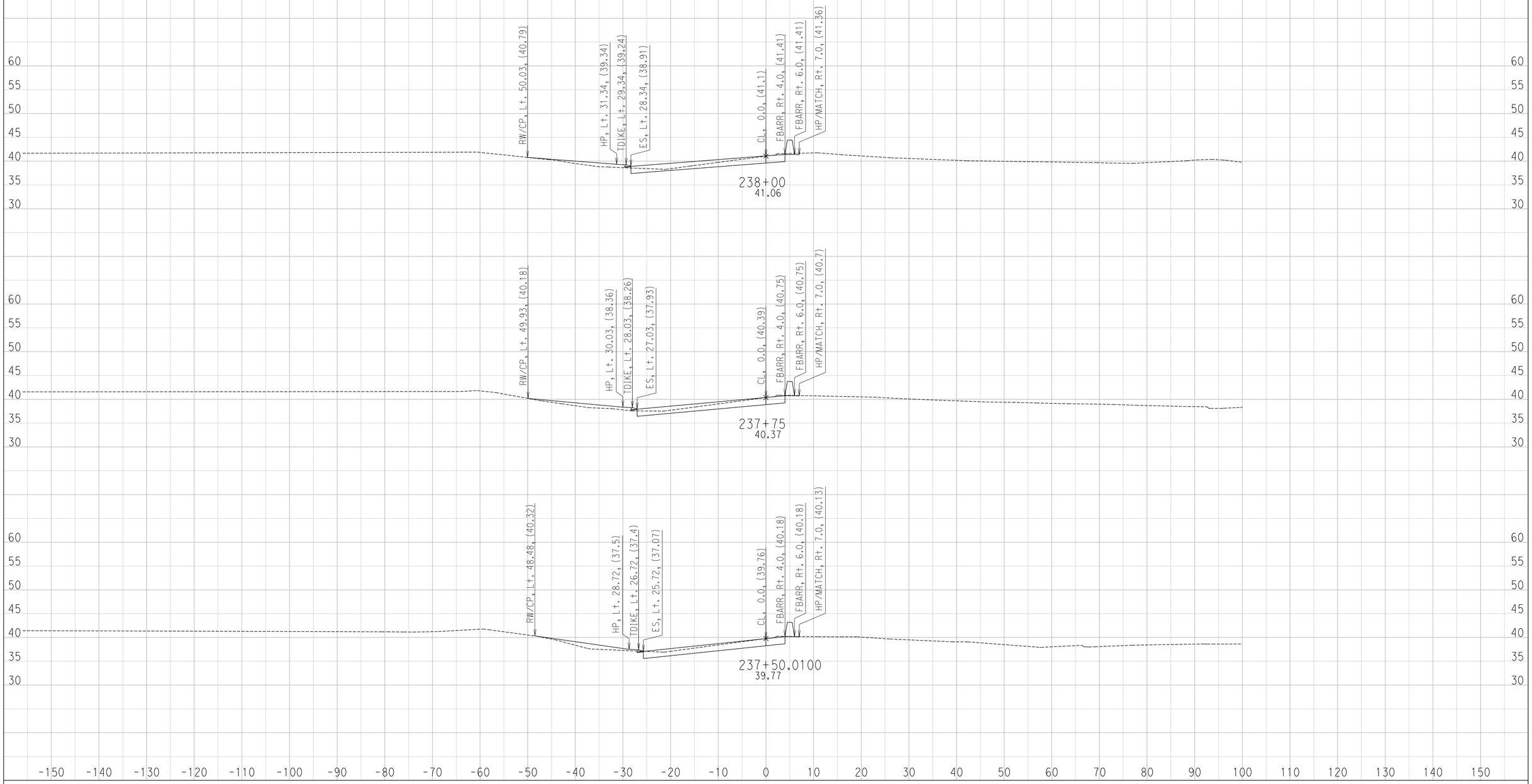
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 2 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

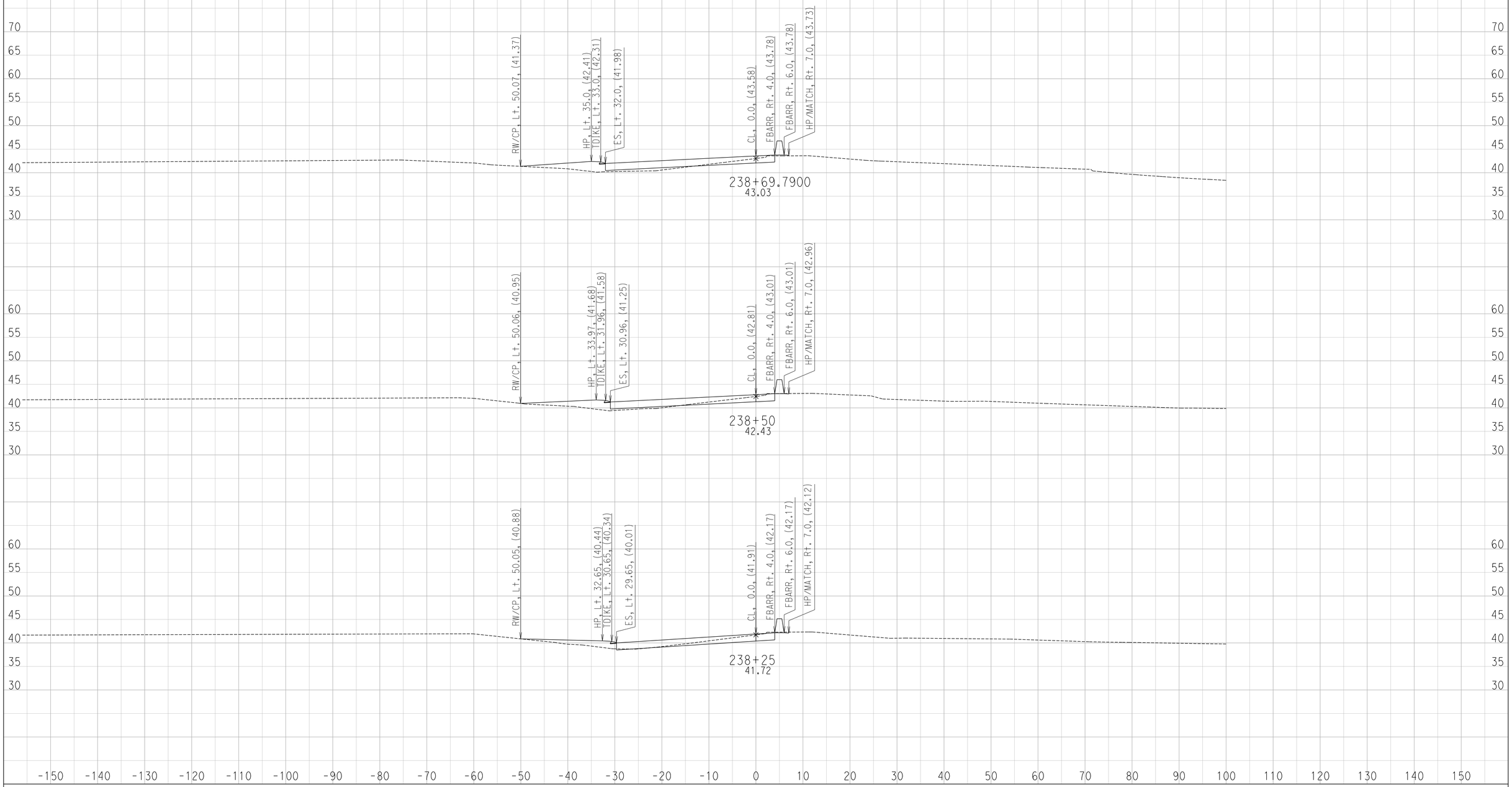
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 3 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

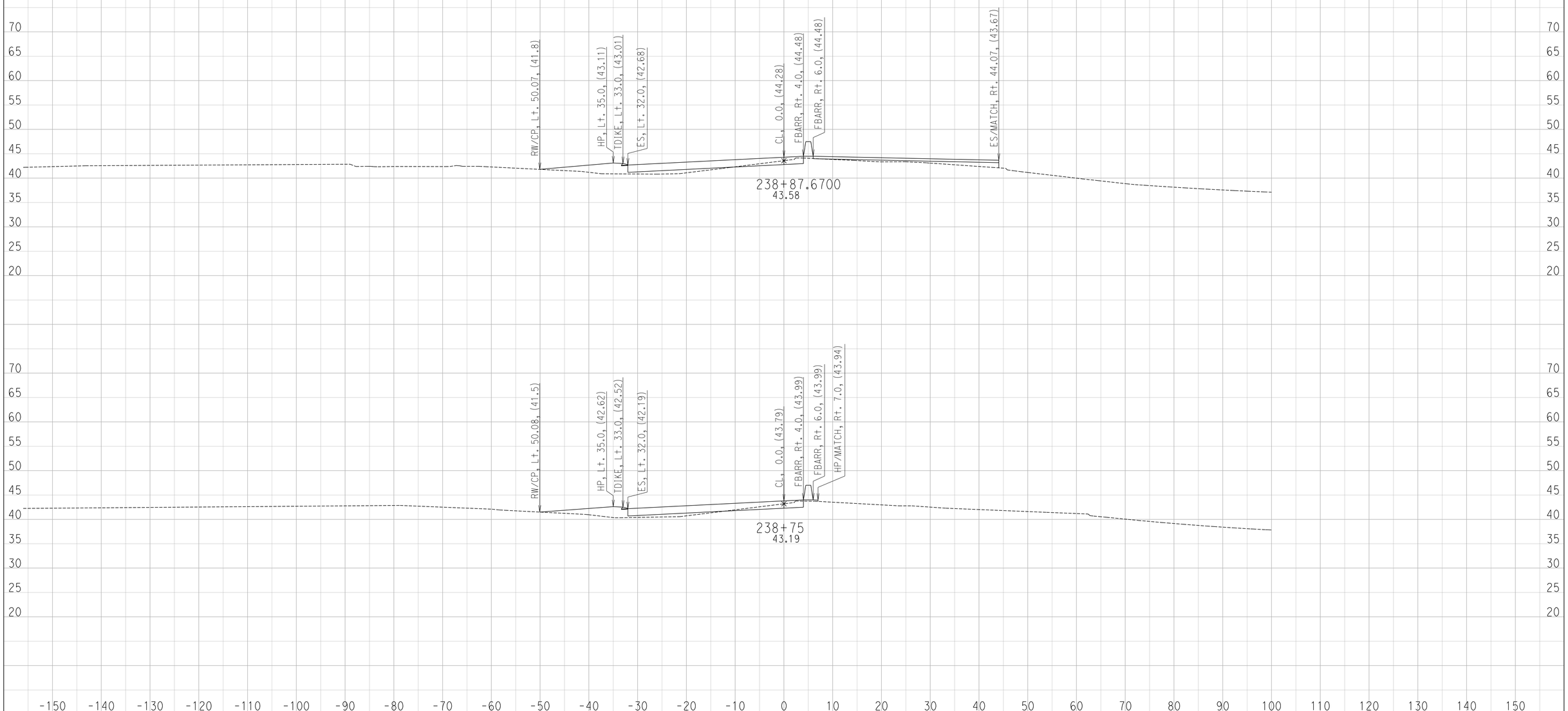
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 4 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

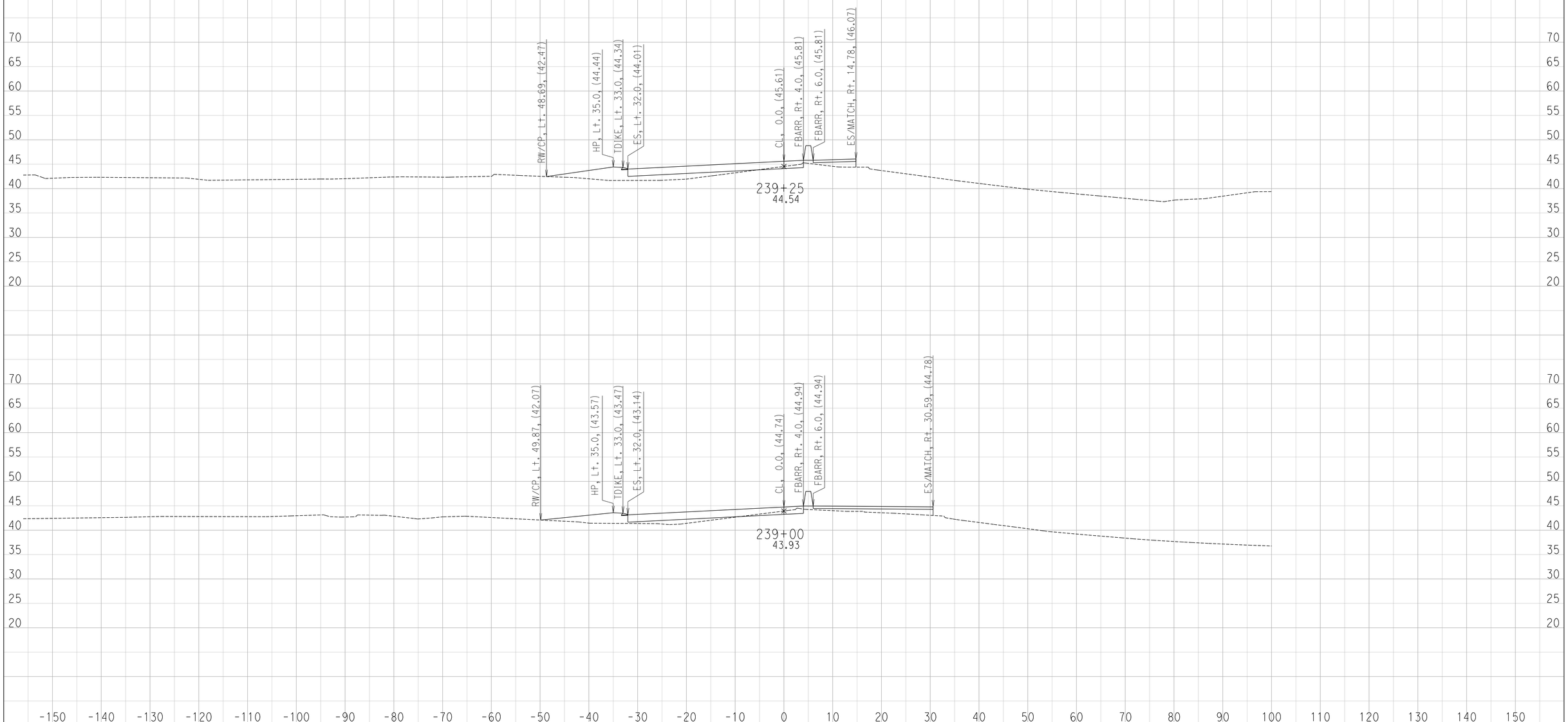
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 5 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

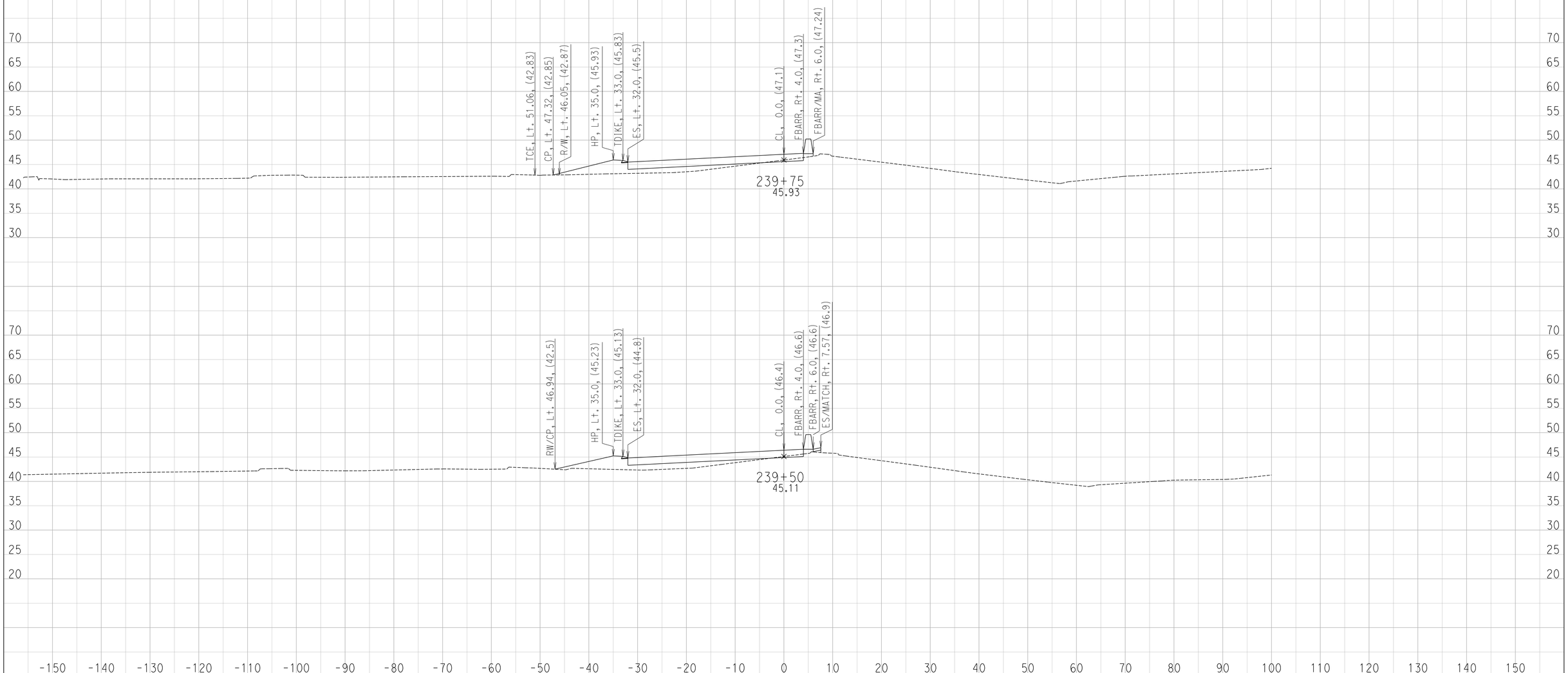
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 6 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

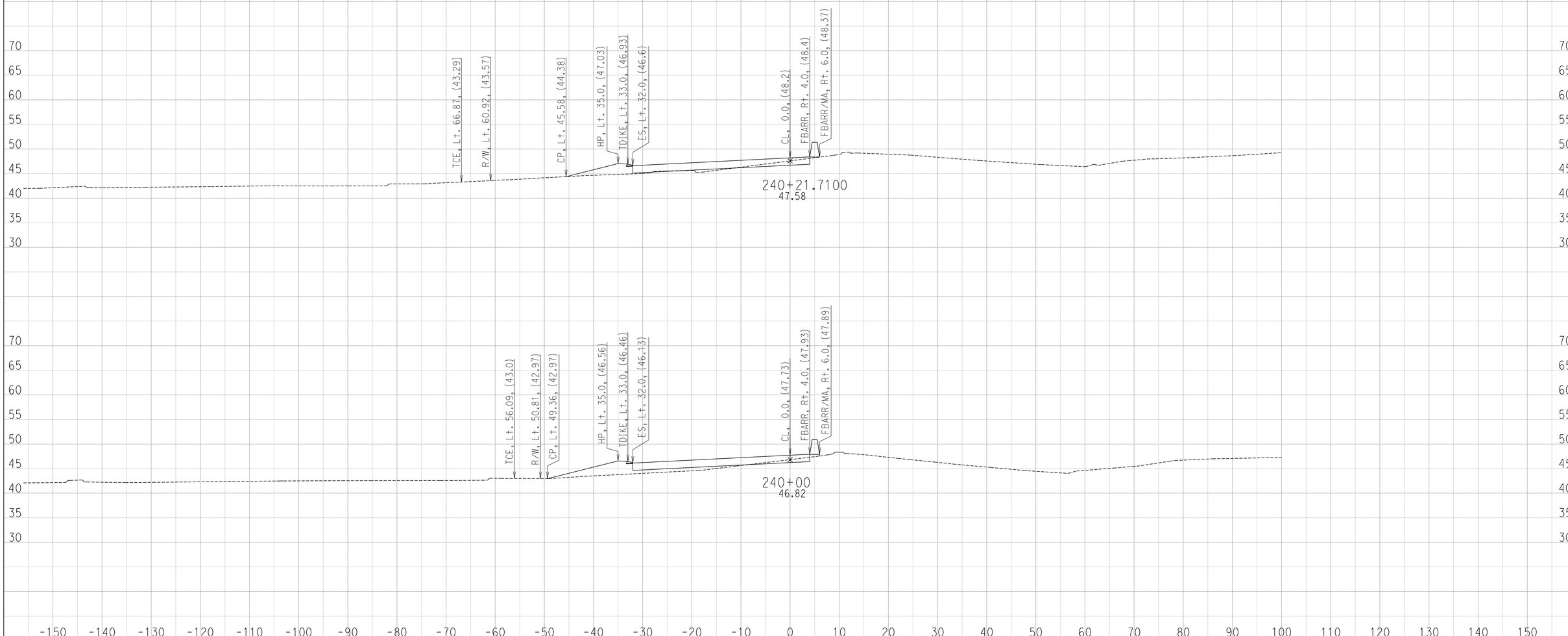
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 7 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

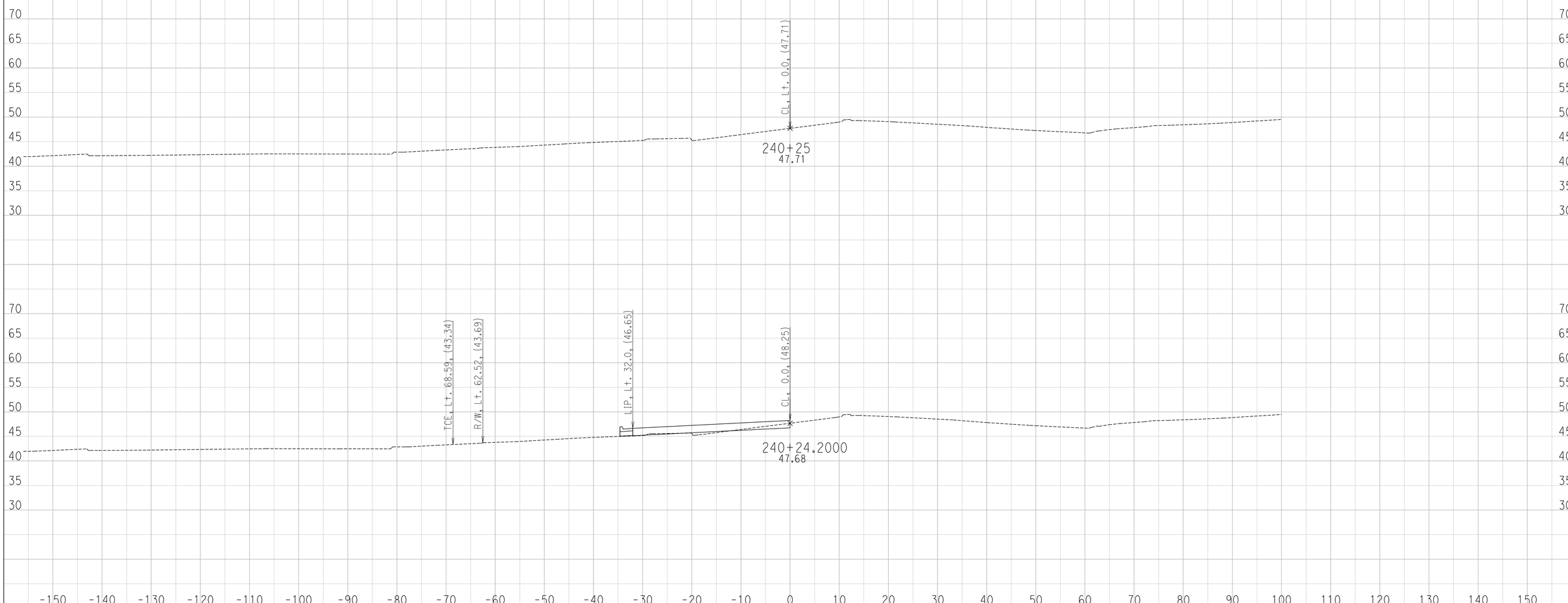
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 8 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

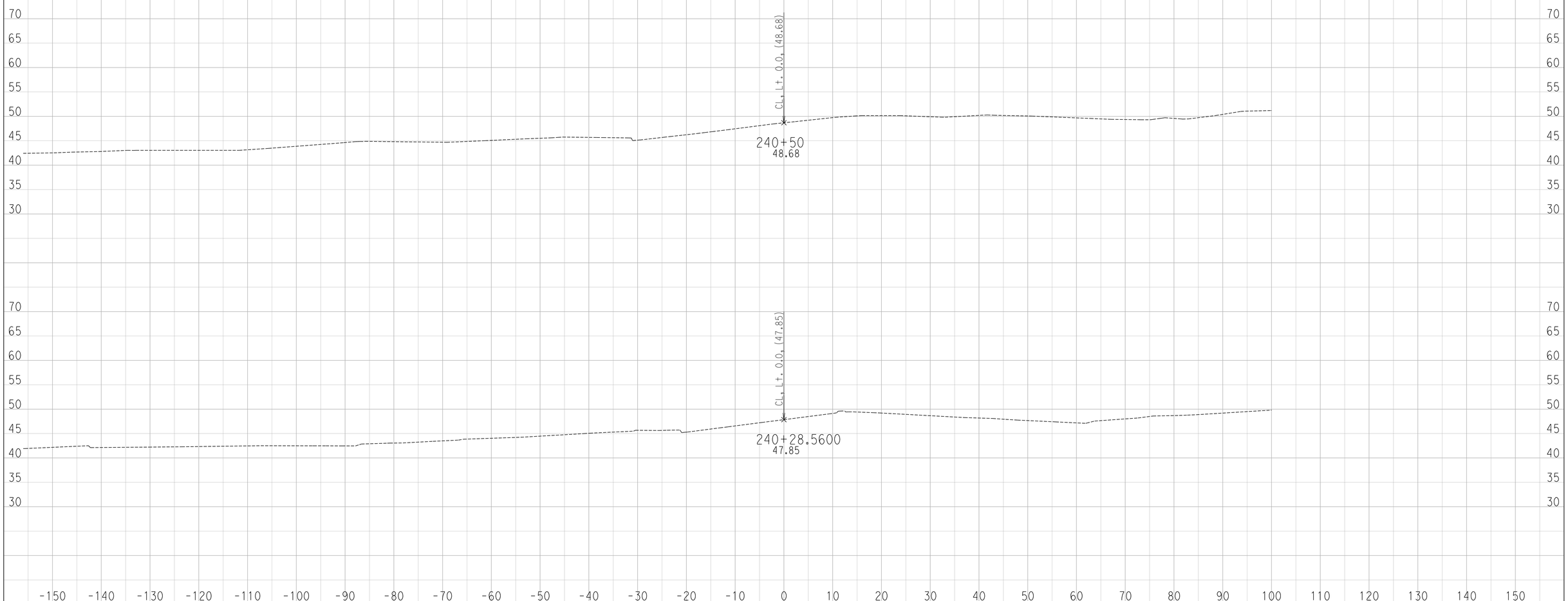
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 9 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

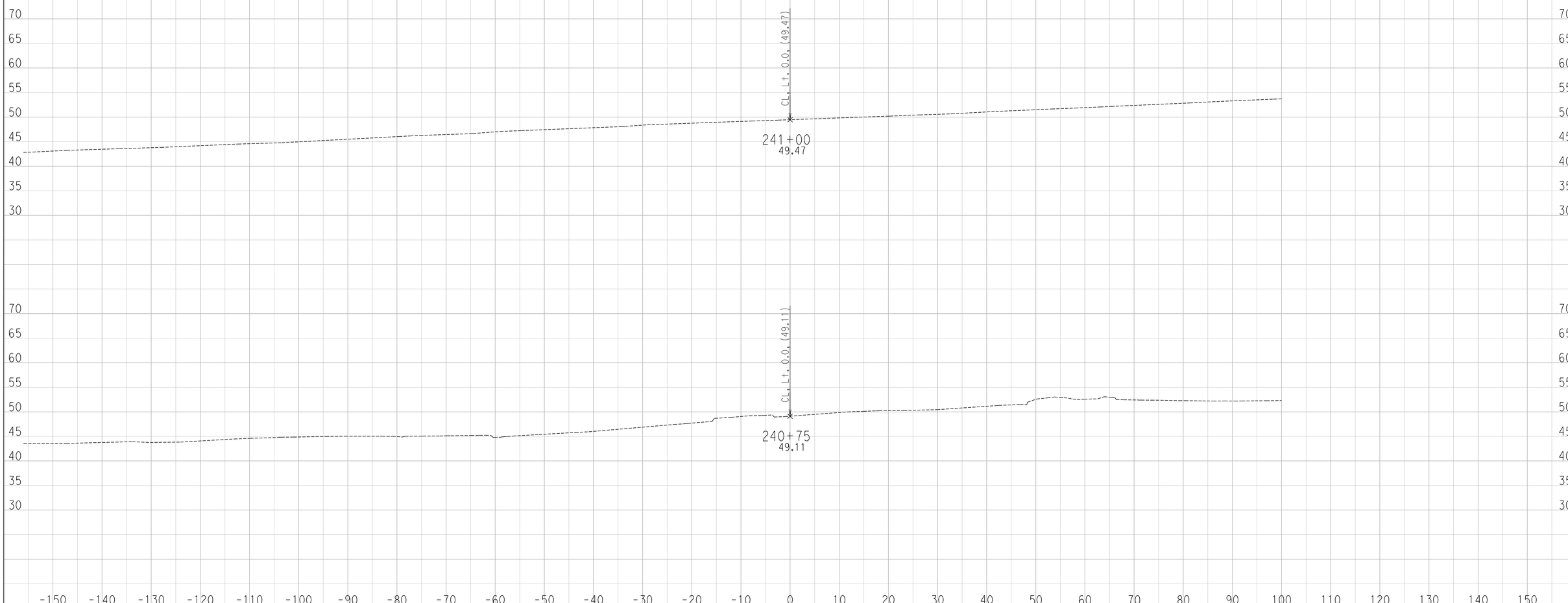
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 10 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

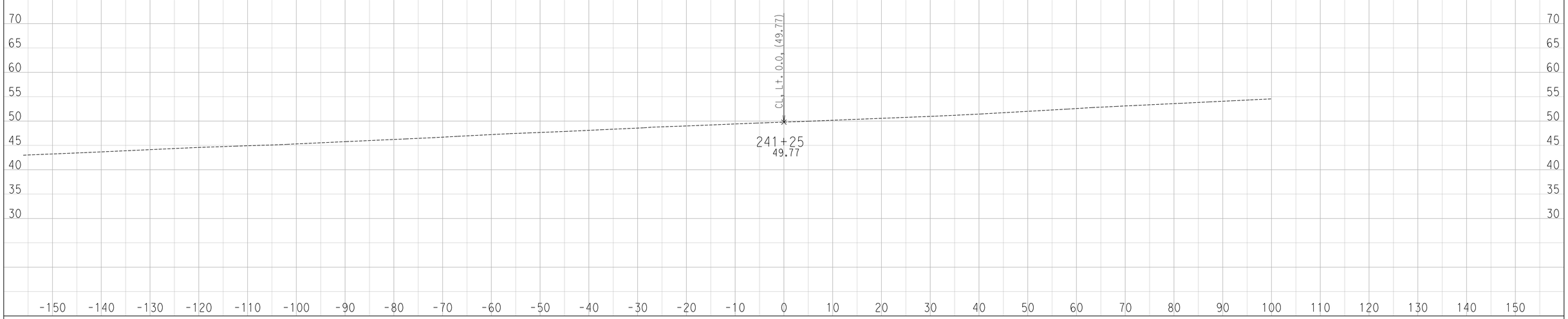
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 11 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

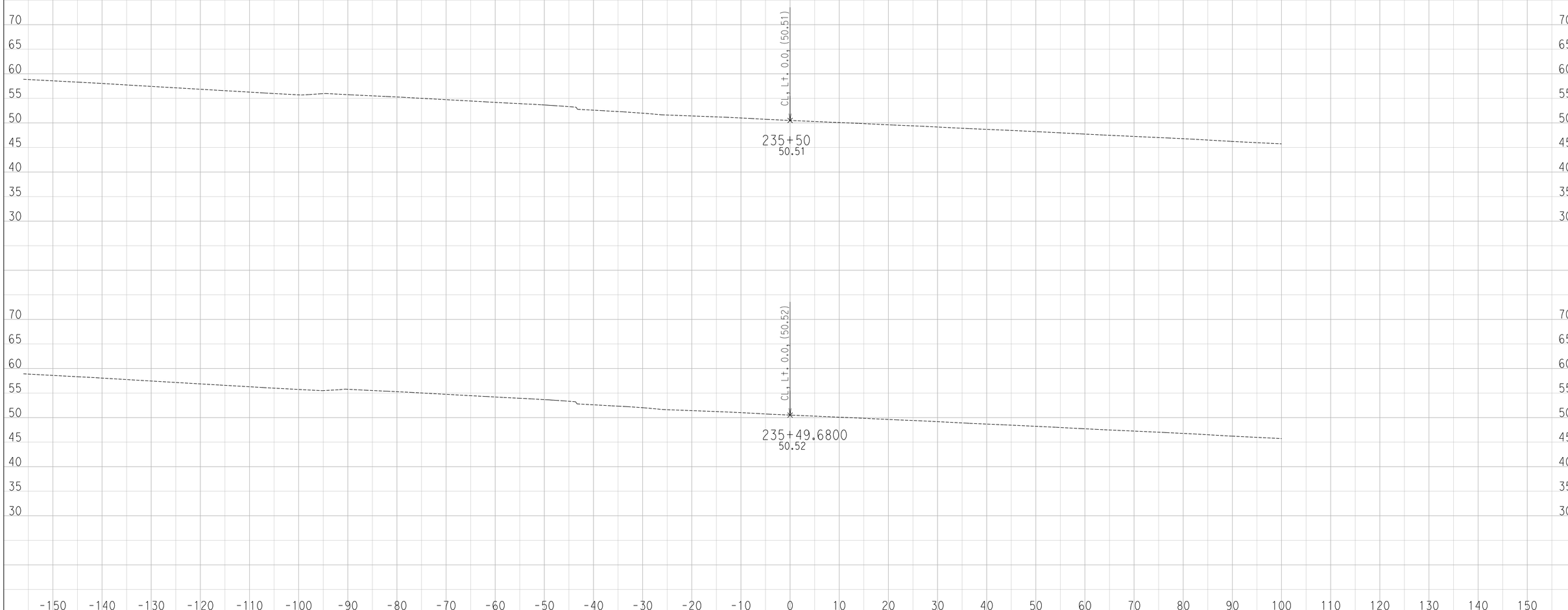
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-4
CROSS SECTIONS
SHEET 12 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

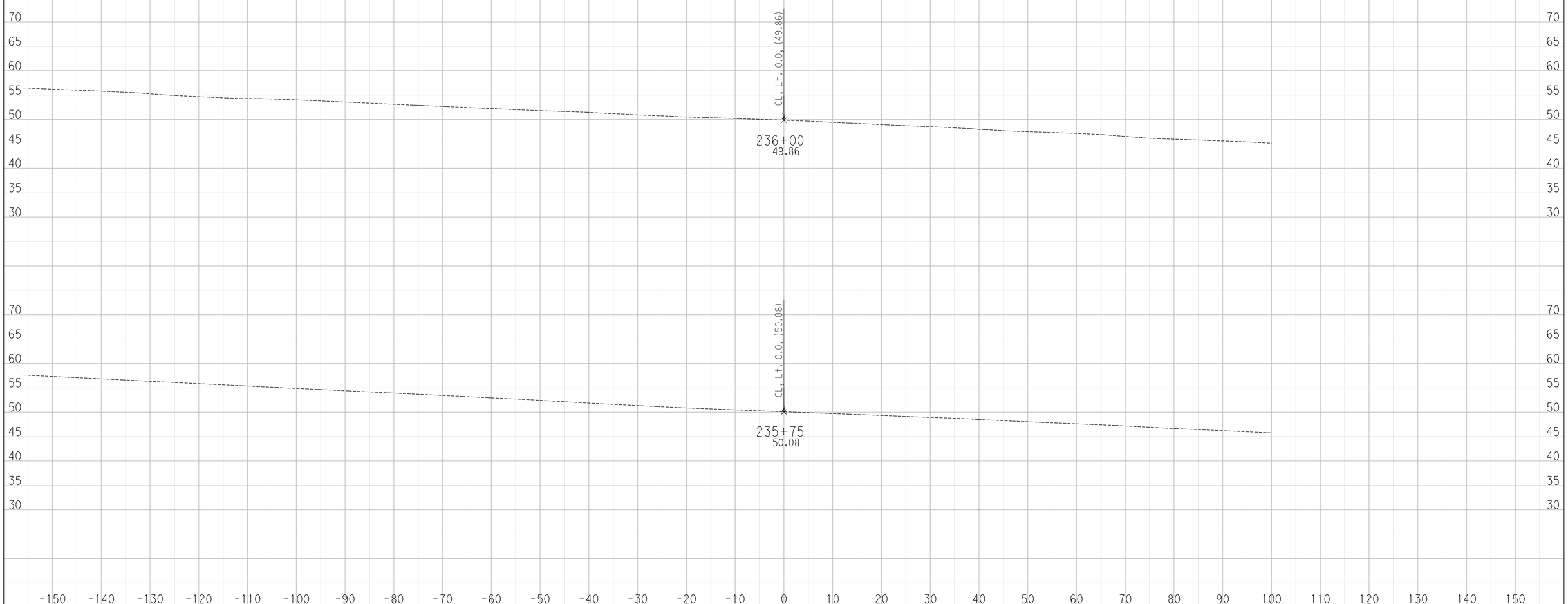
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 1 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

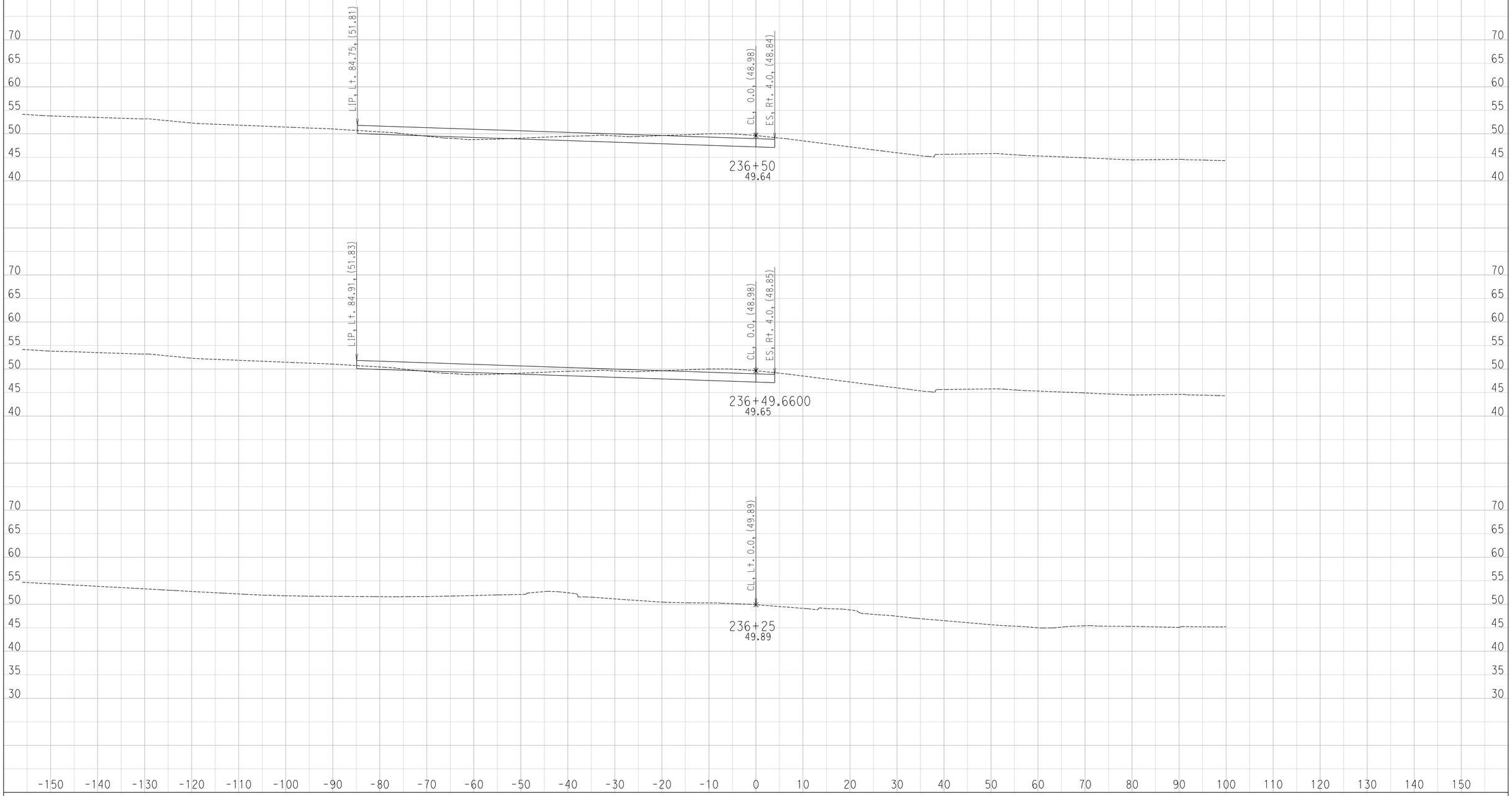
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 2 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

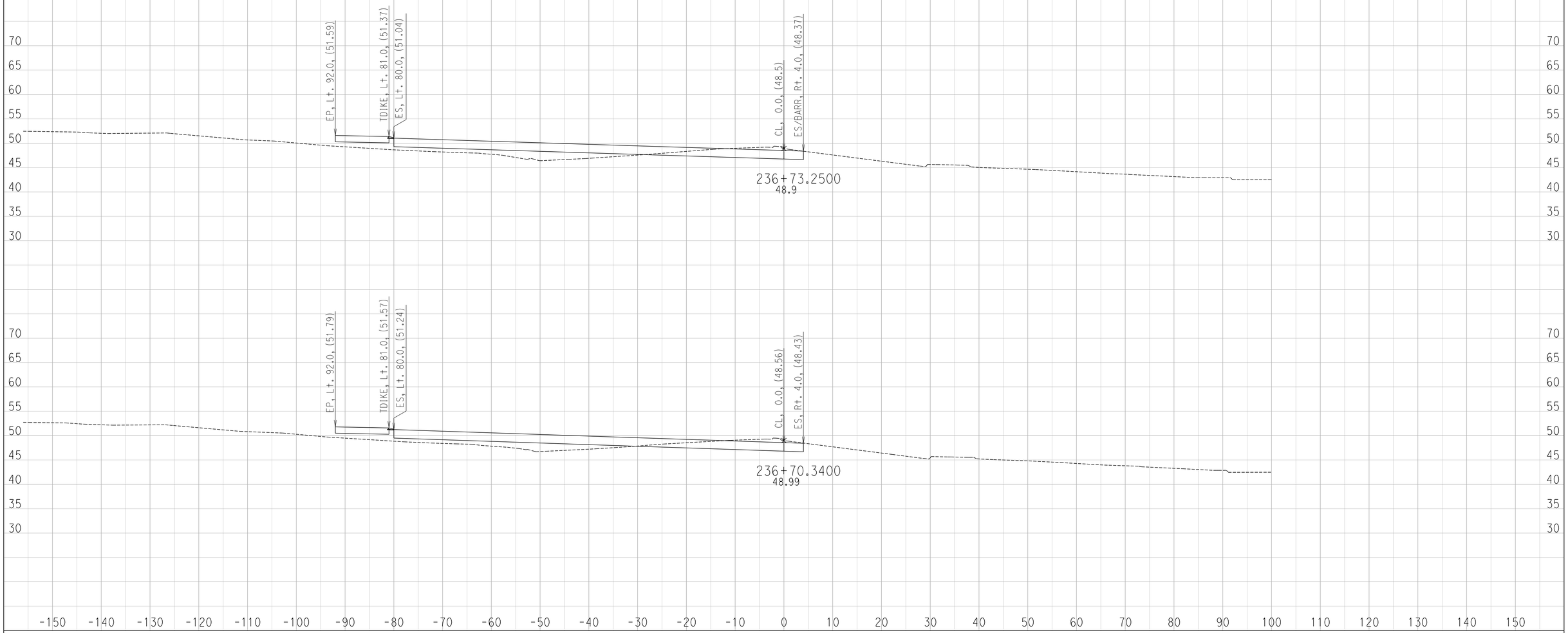
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 3 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

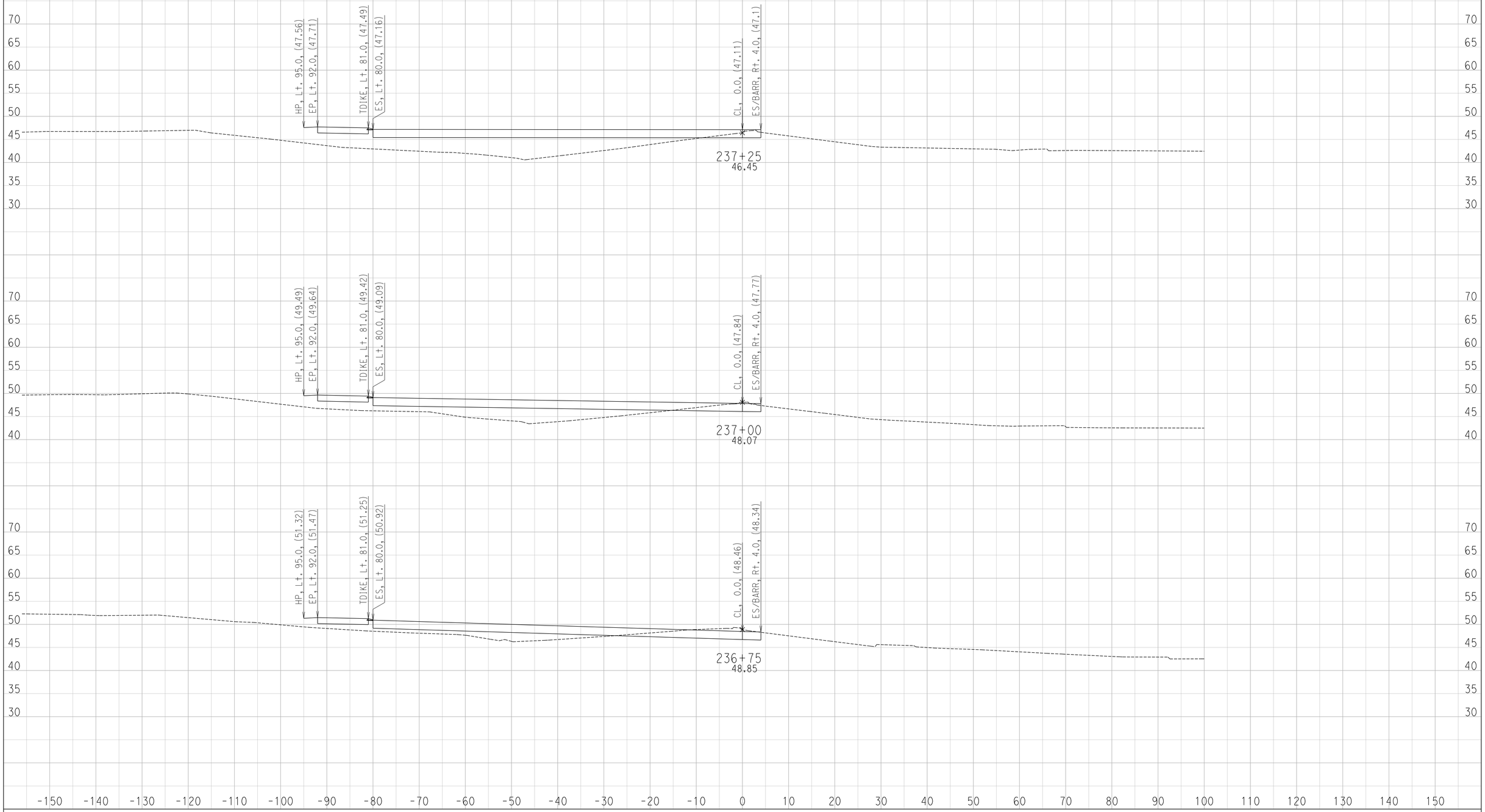
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 4 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

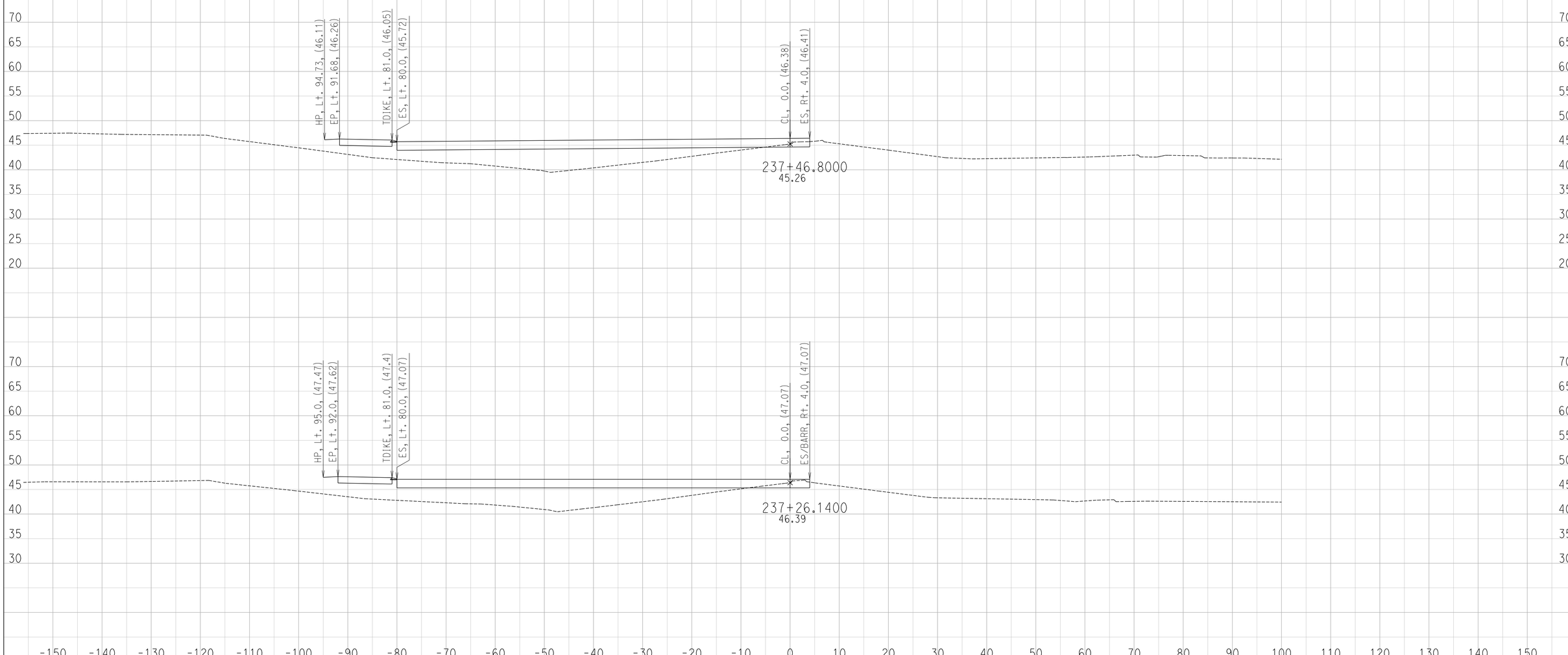
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 5 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

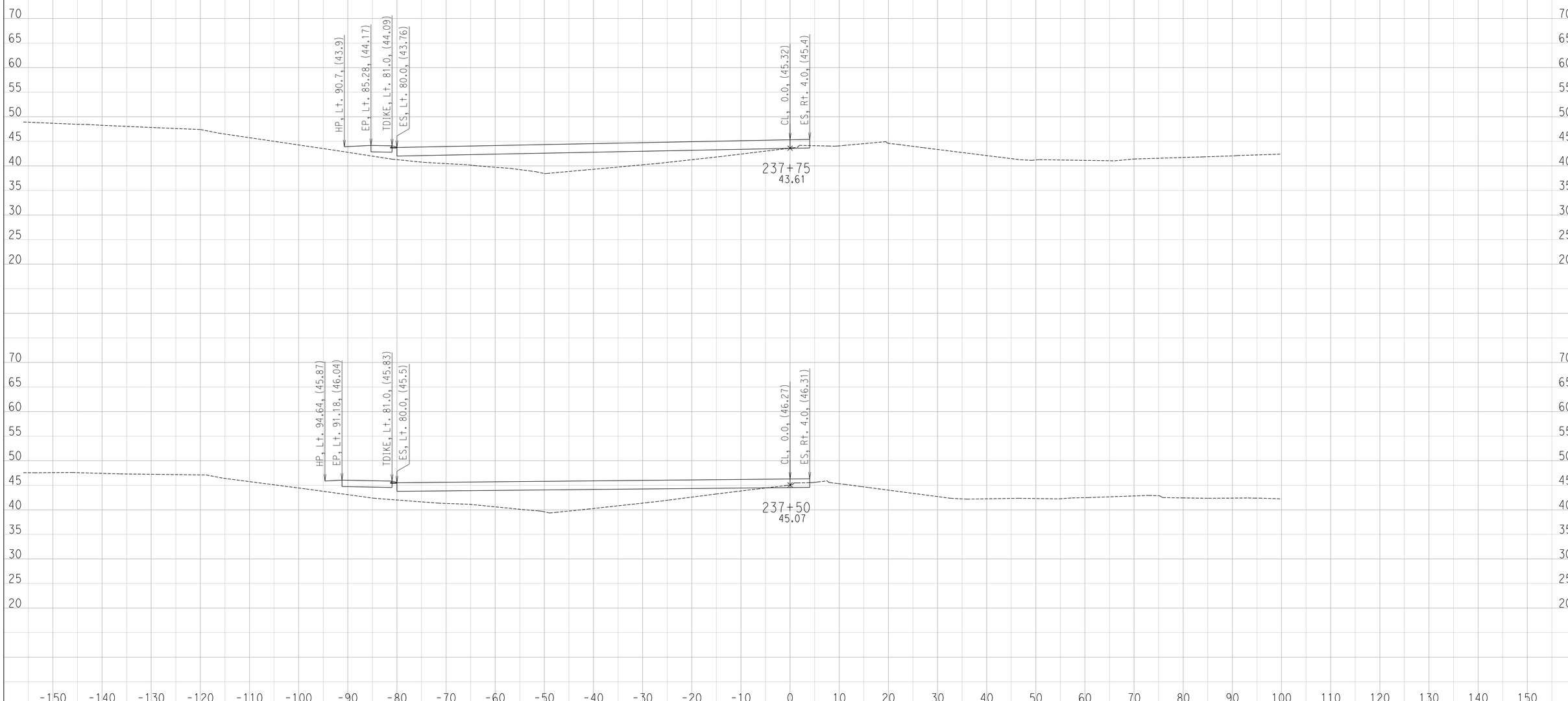
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

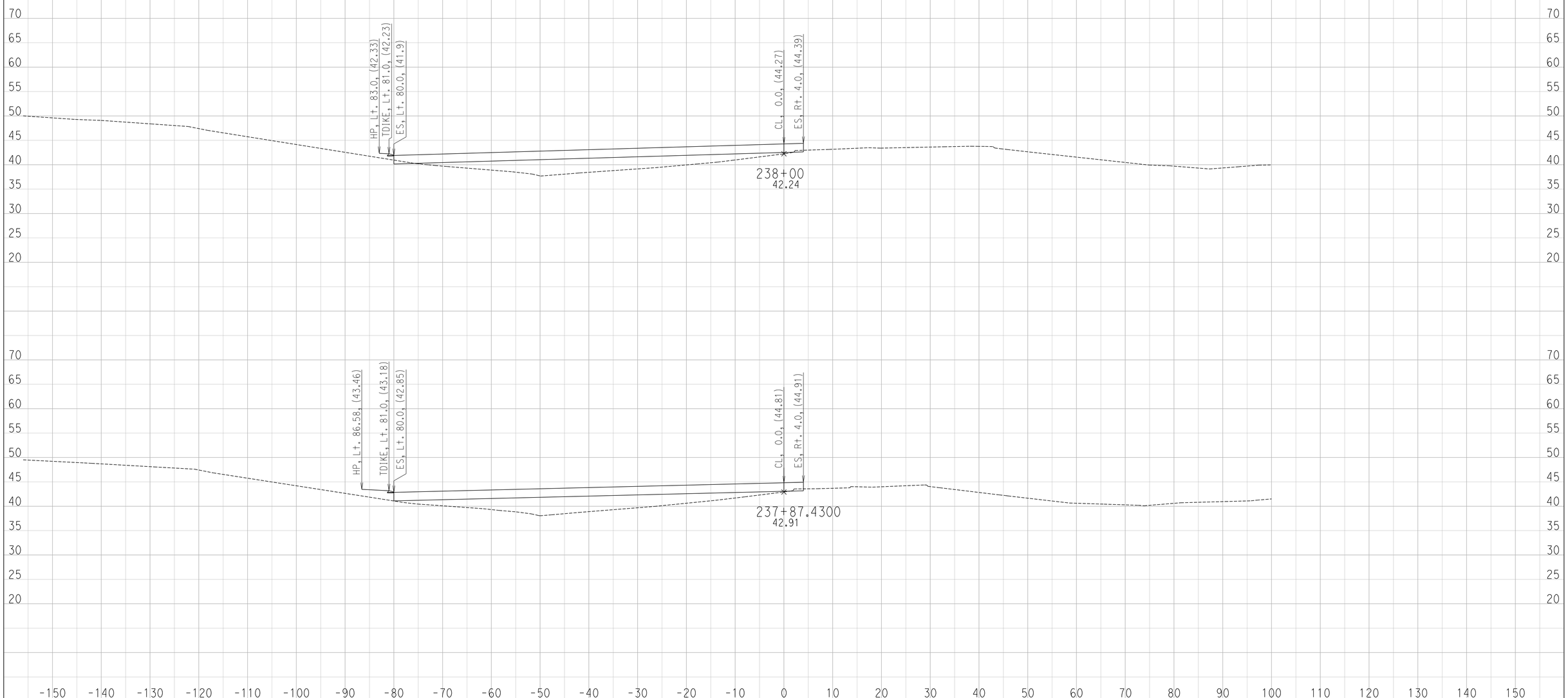
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 7 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

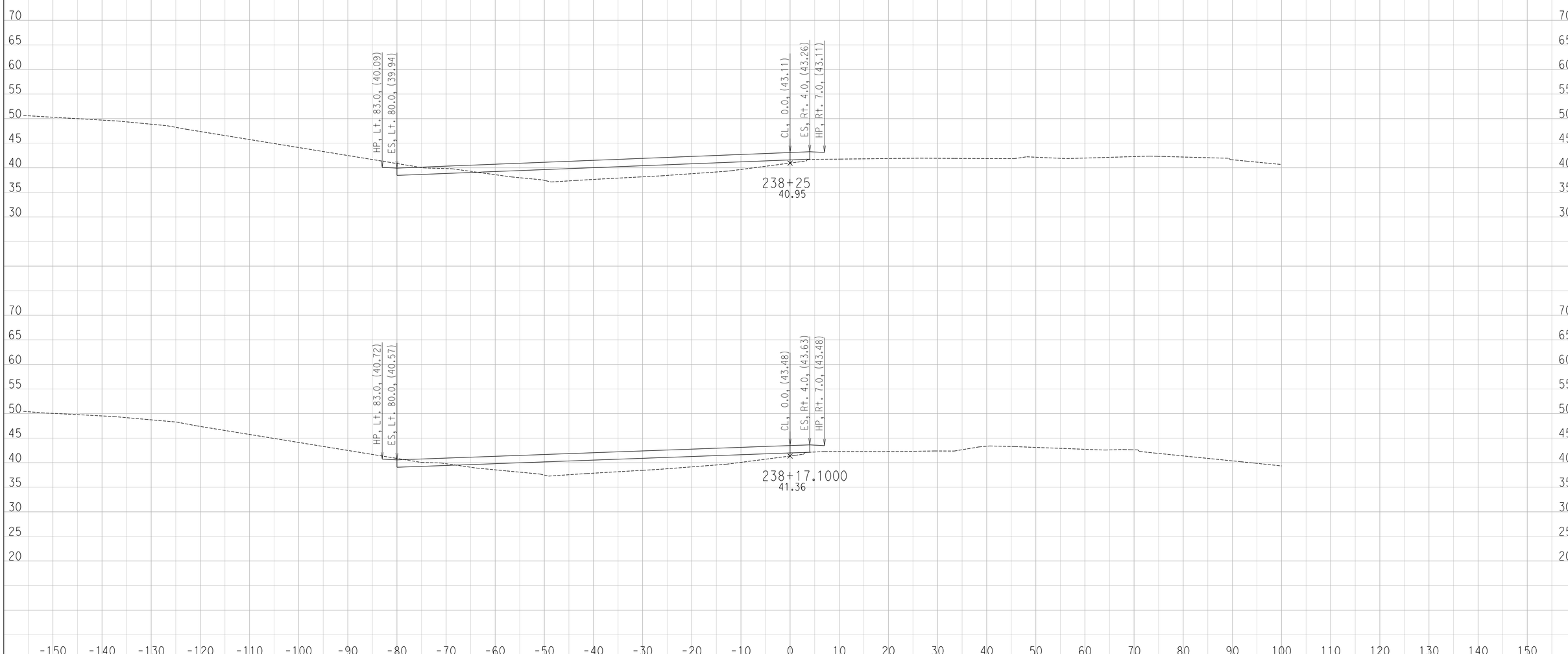
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 8 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

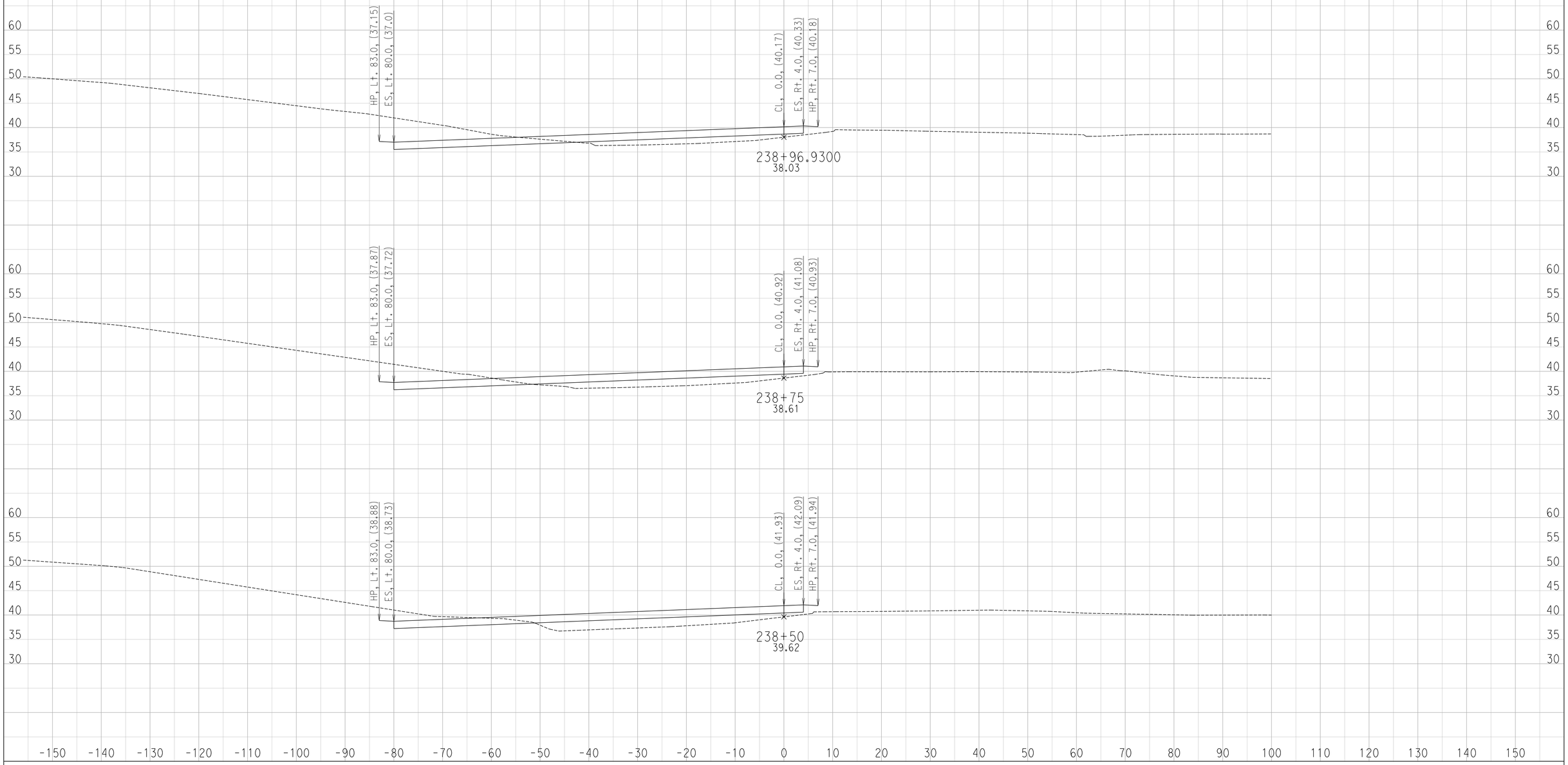
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 9 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

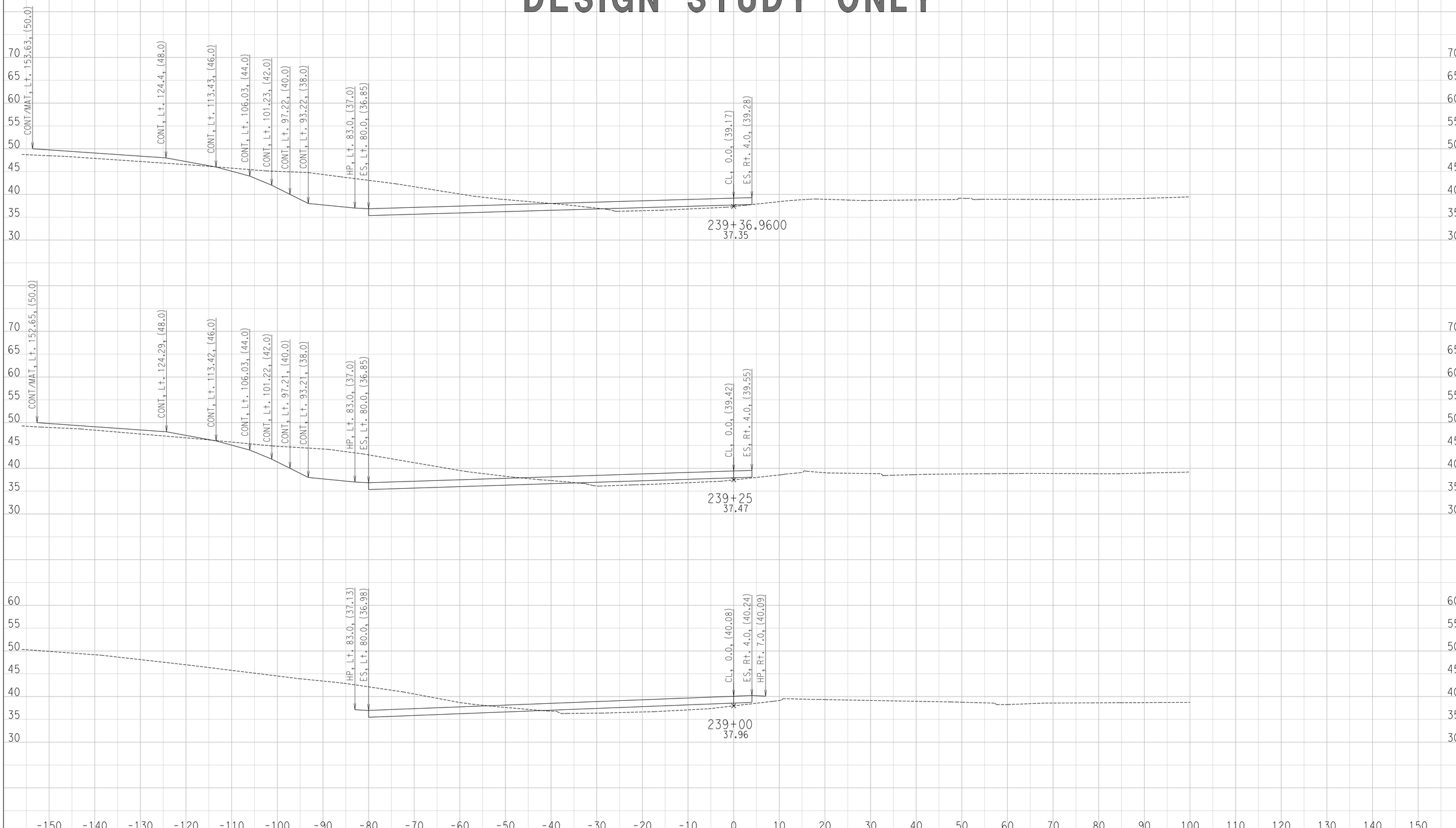
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 10 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

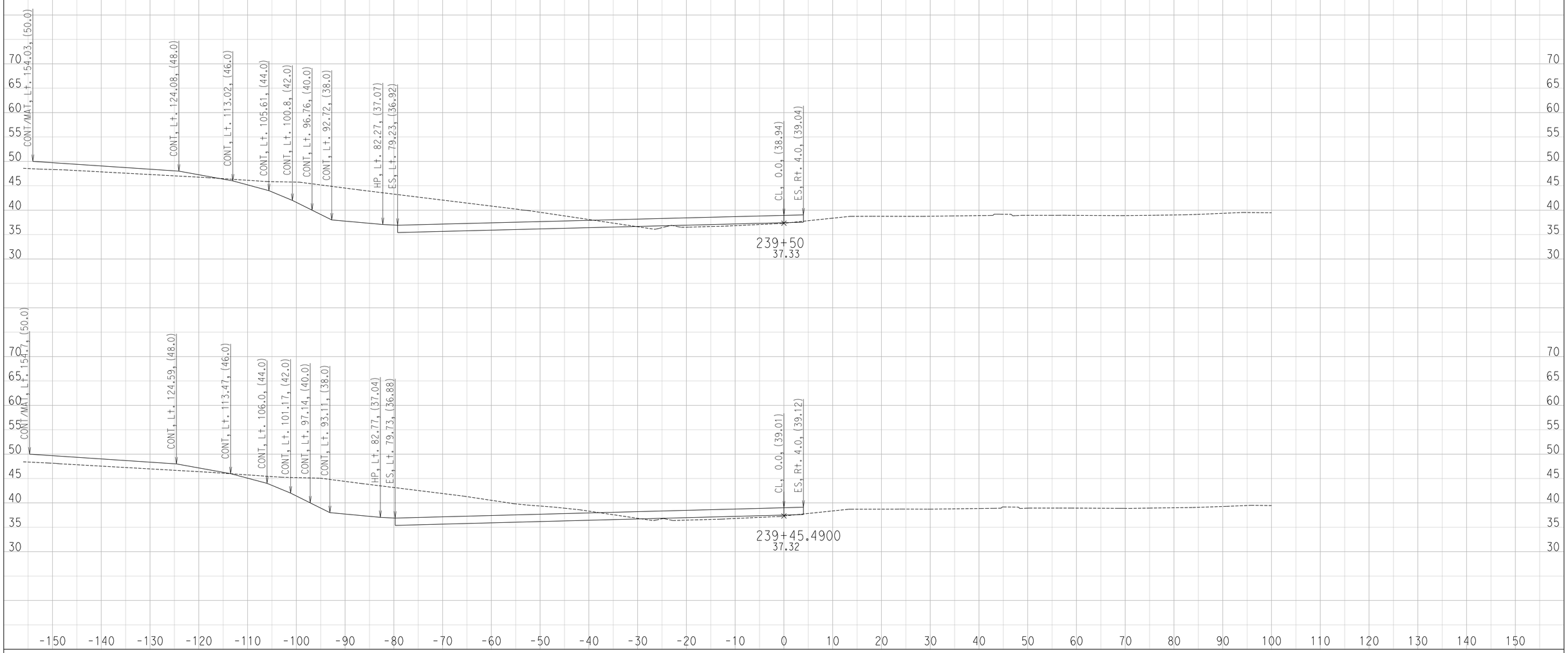
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 11 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

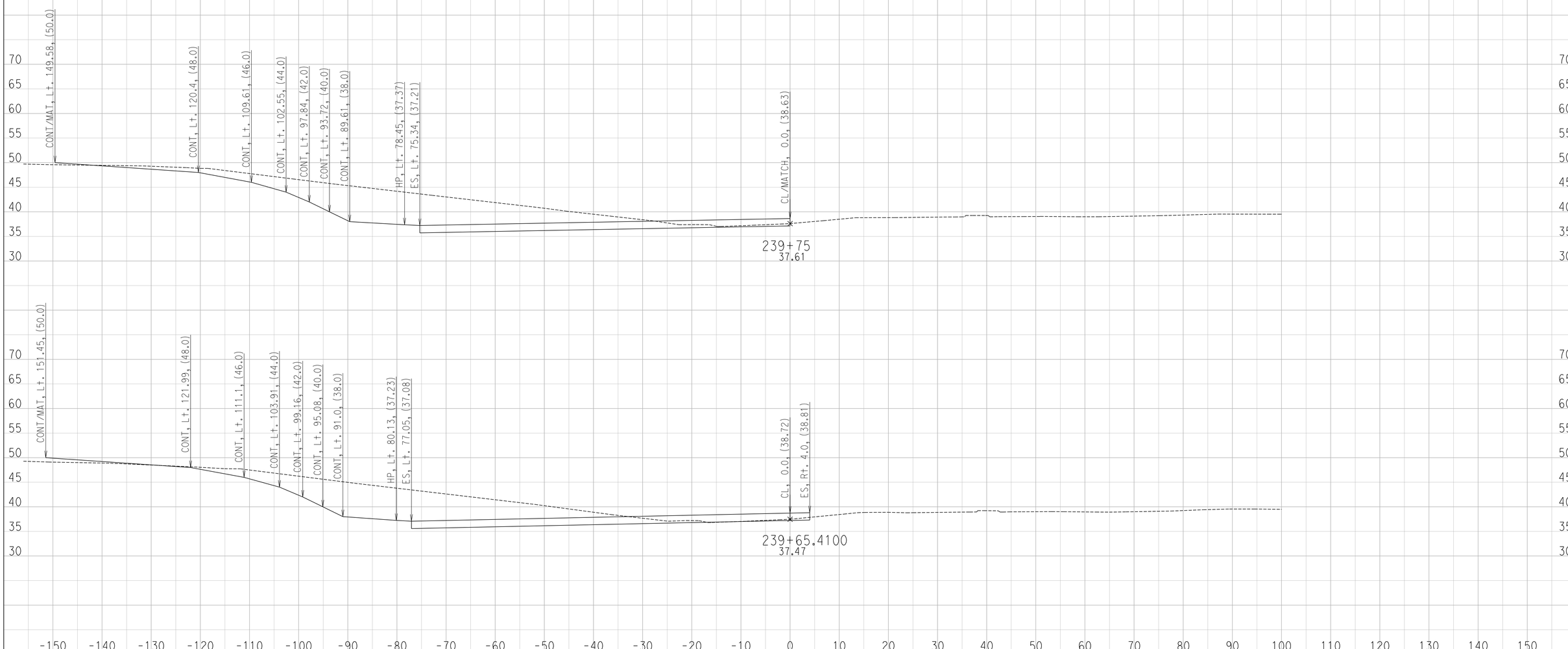
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 12 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

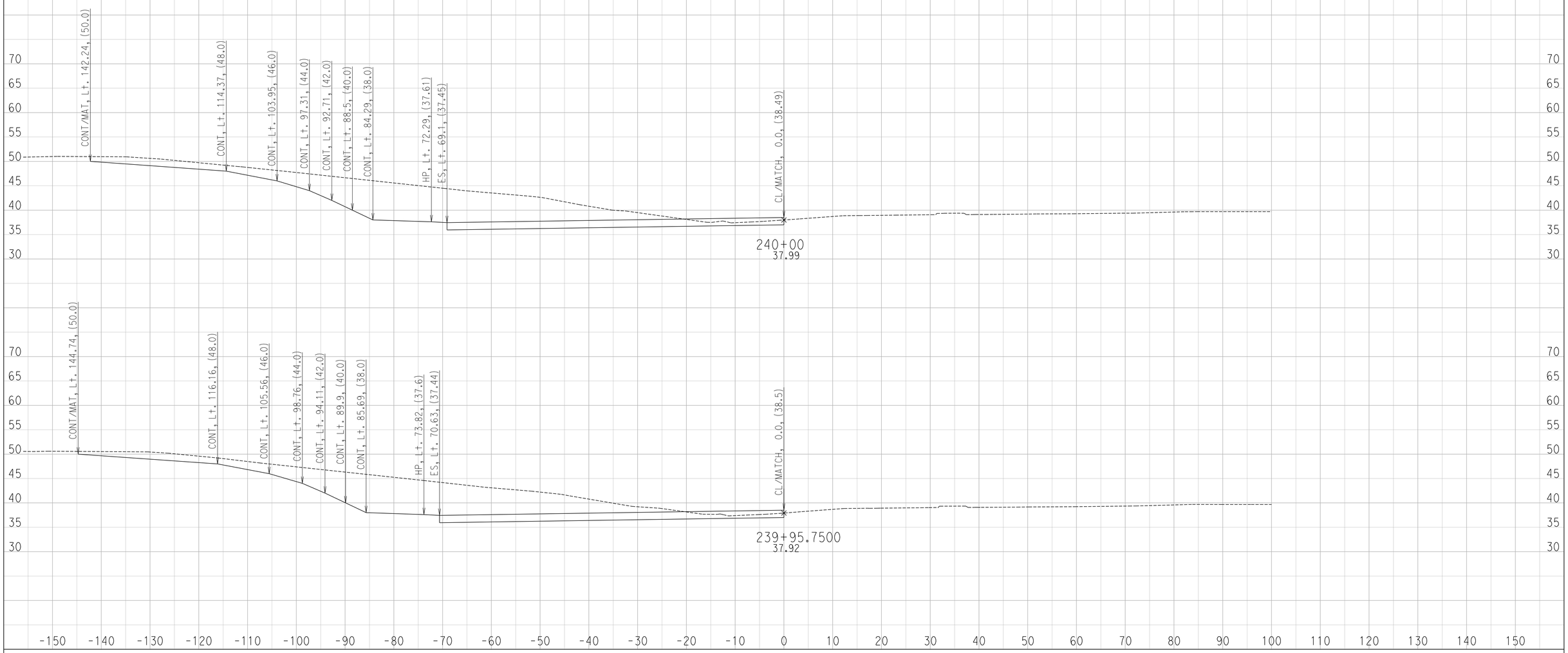
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 13 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

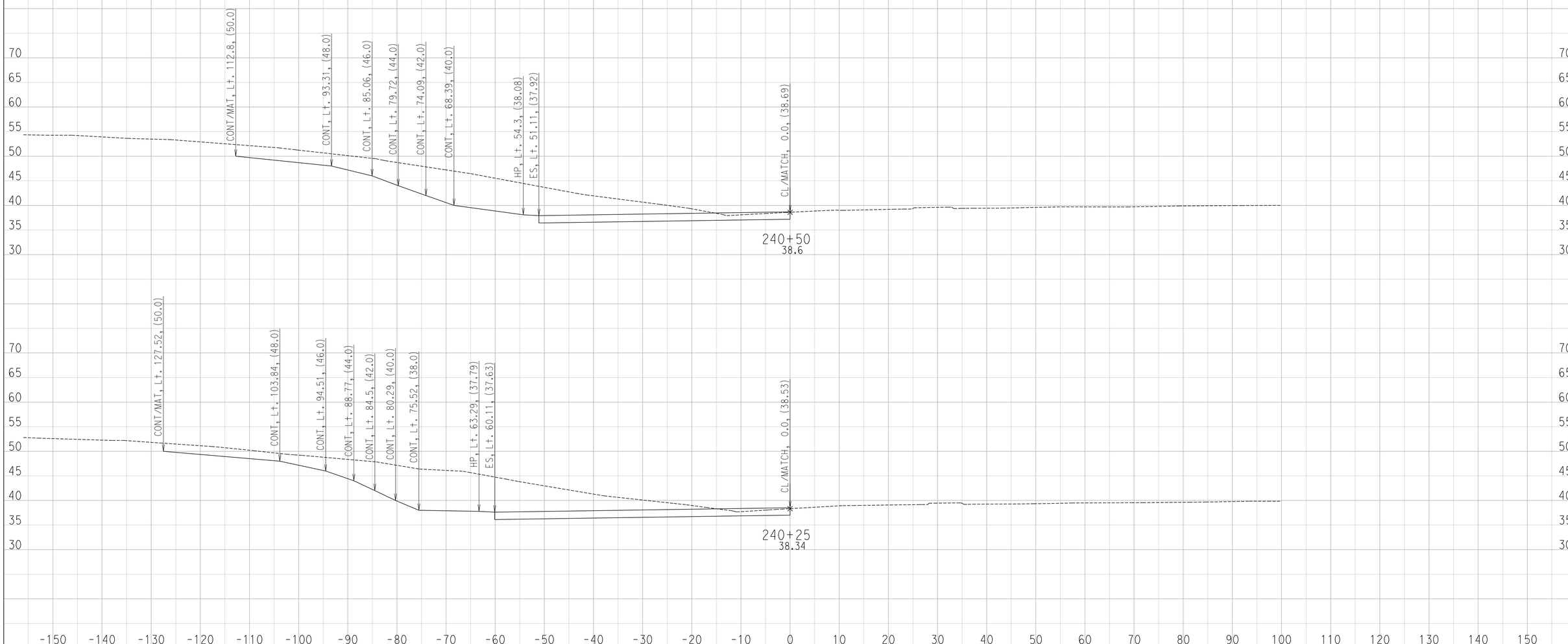
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 14 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

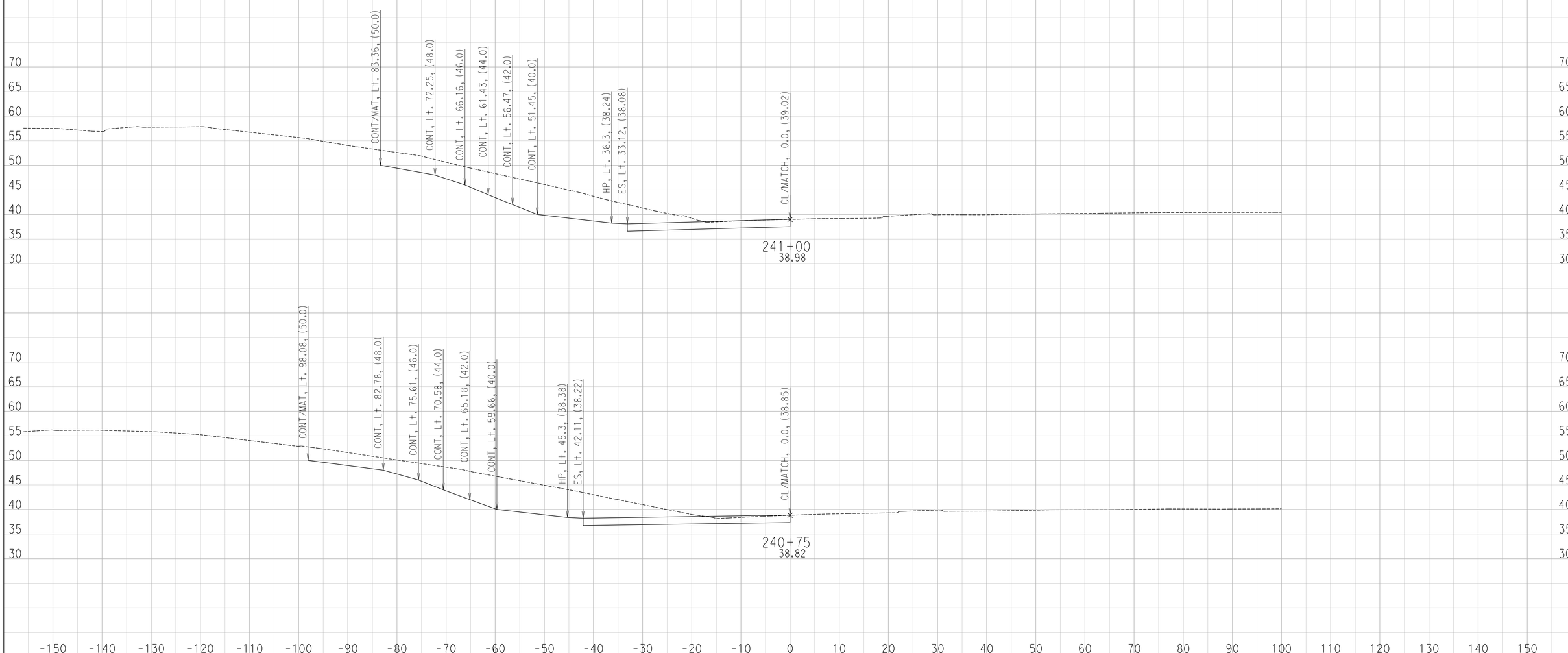
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 15 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

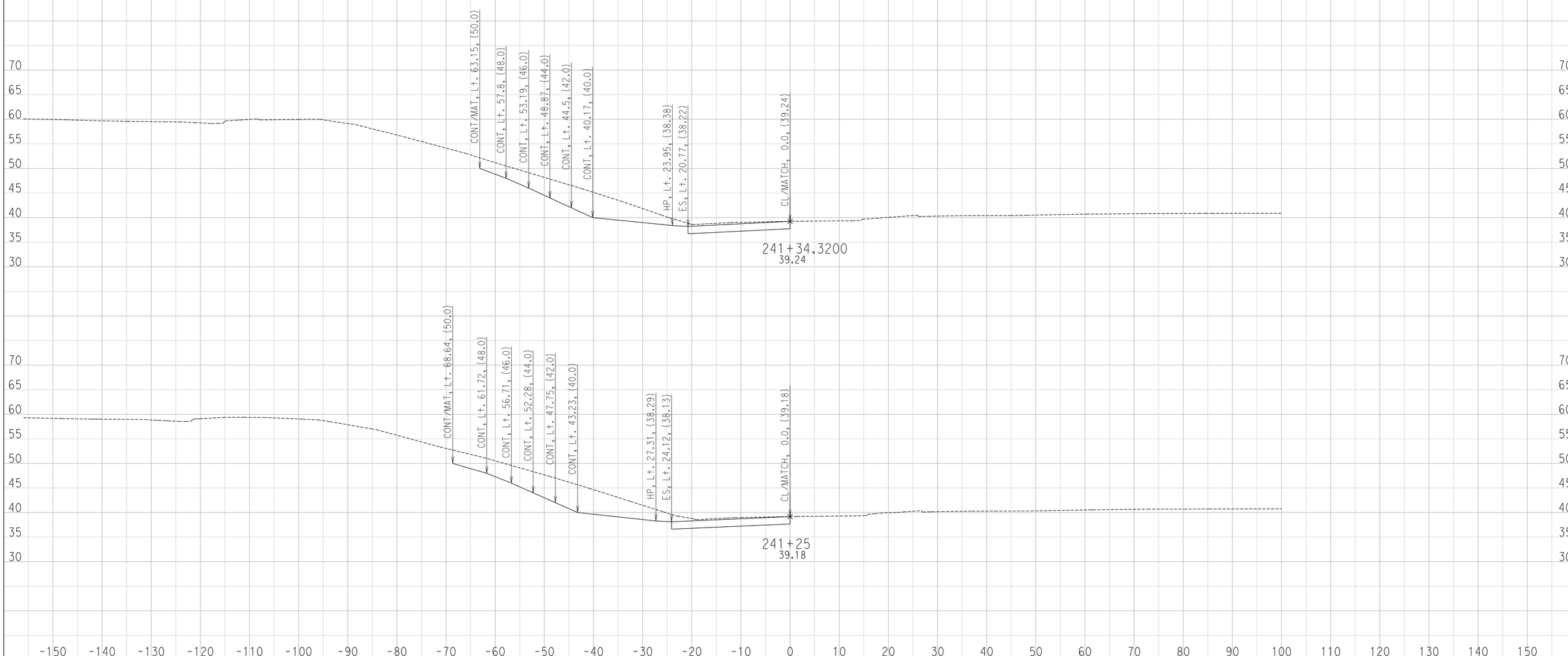
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 16 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

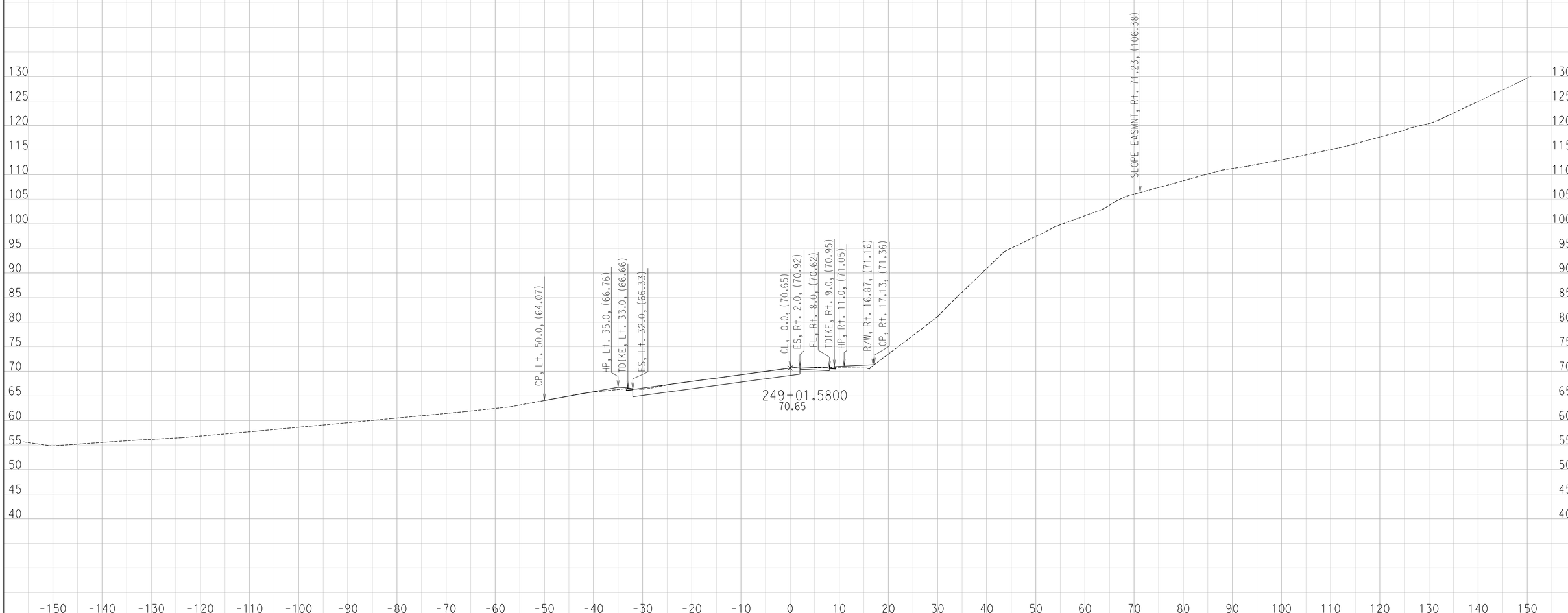
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-5
CROSS SECTIONS
SHEET 17 OF 17

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

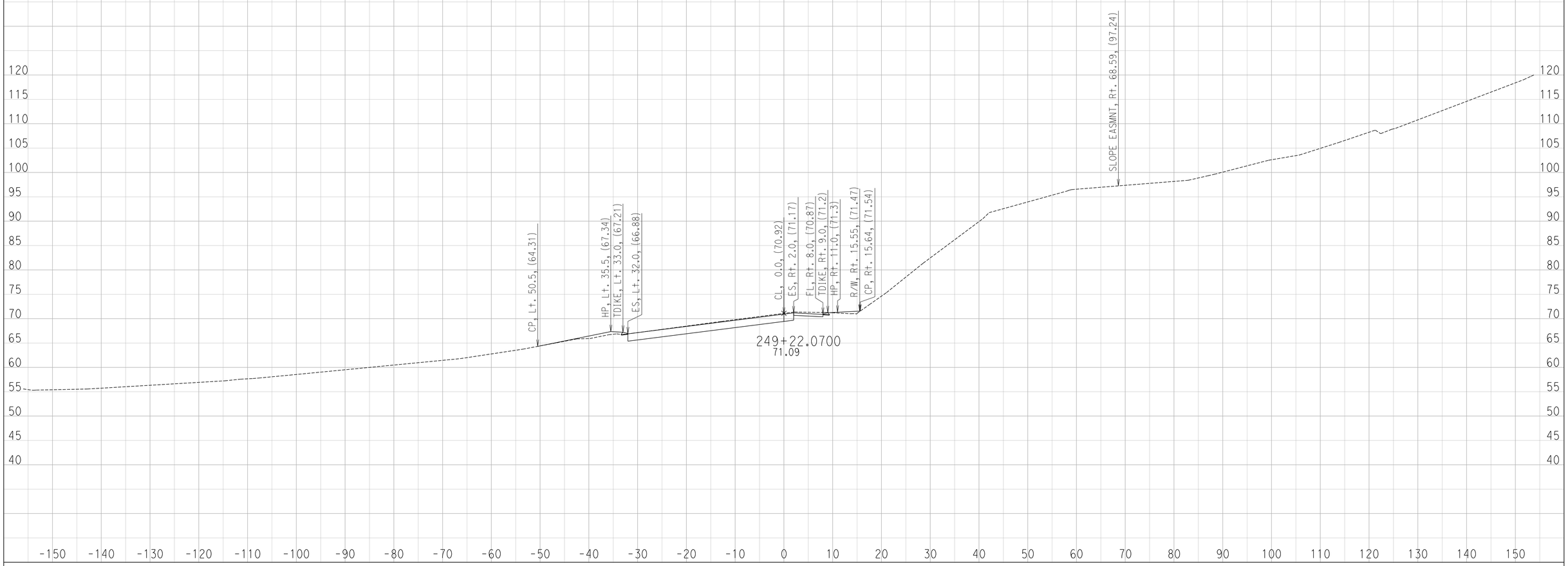
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 1 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

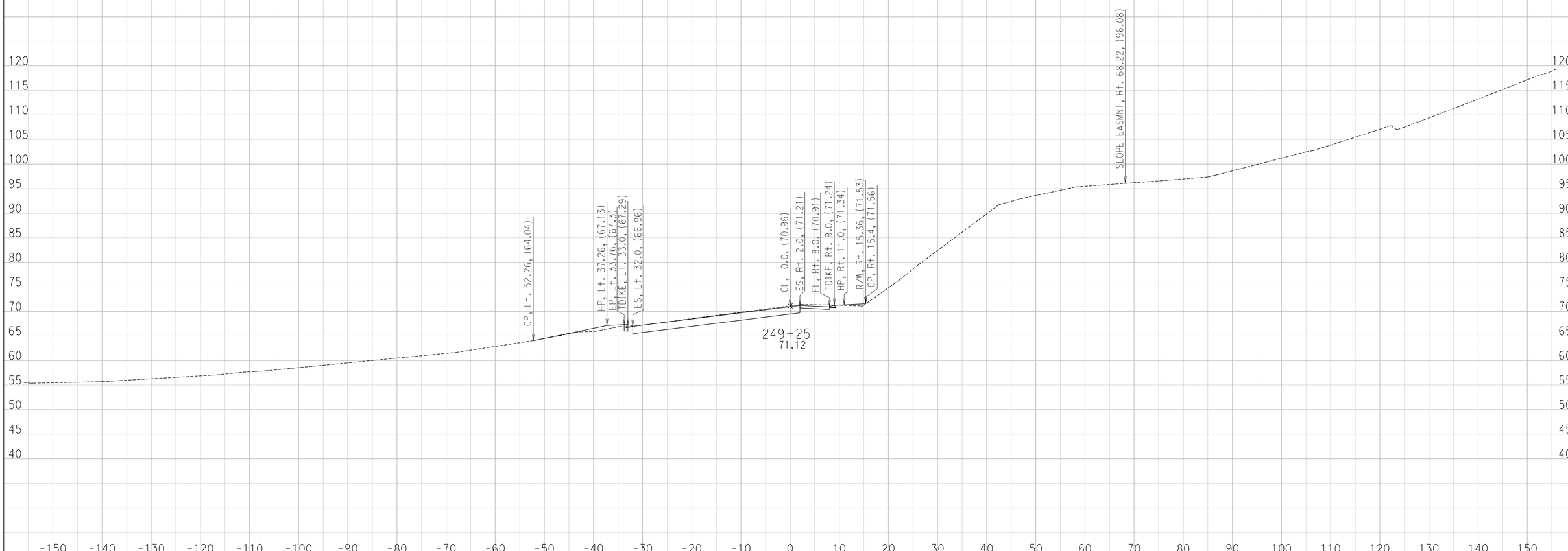
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 2 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

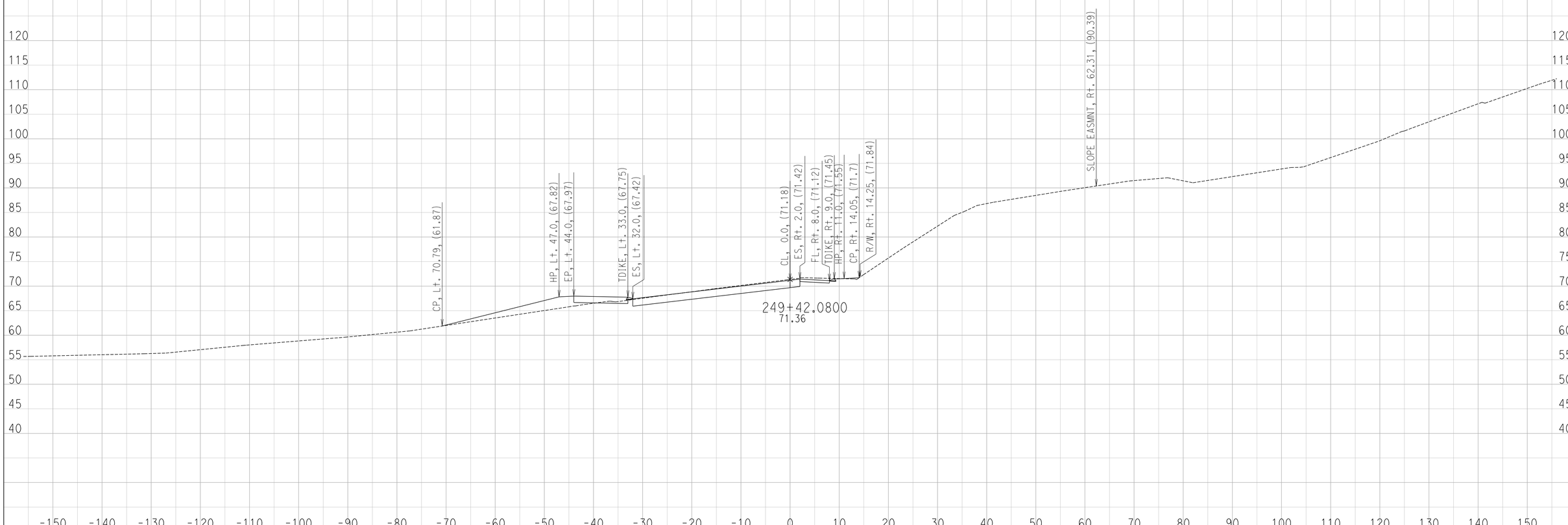
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 3 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

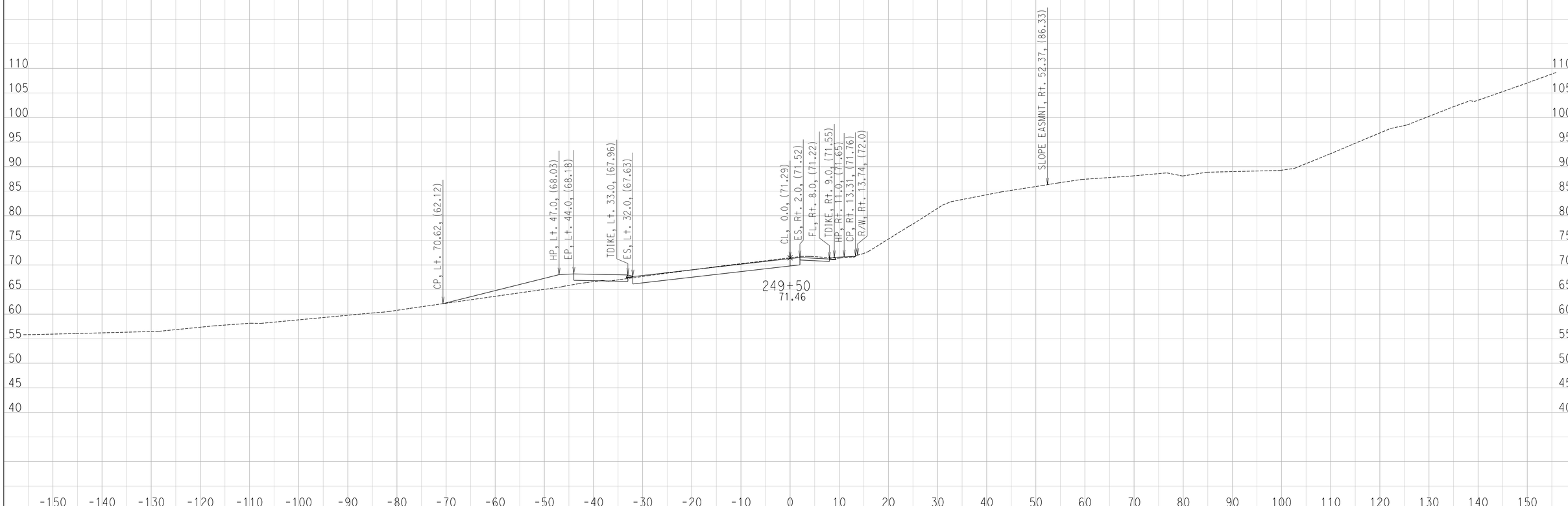
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 4 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

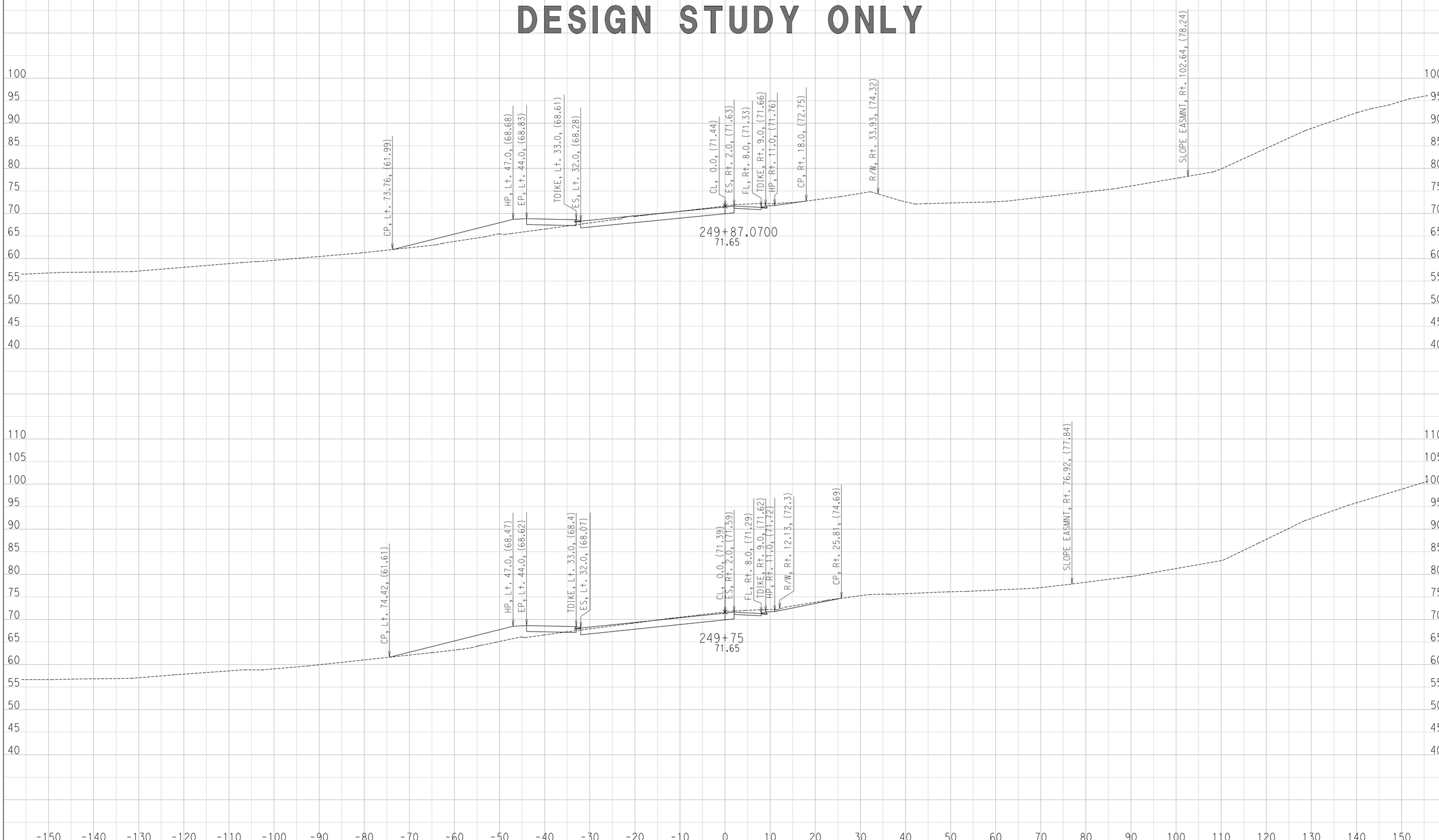
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 5 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

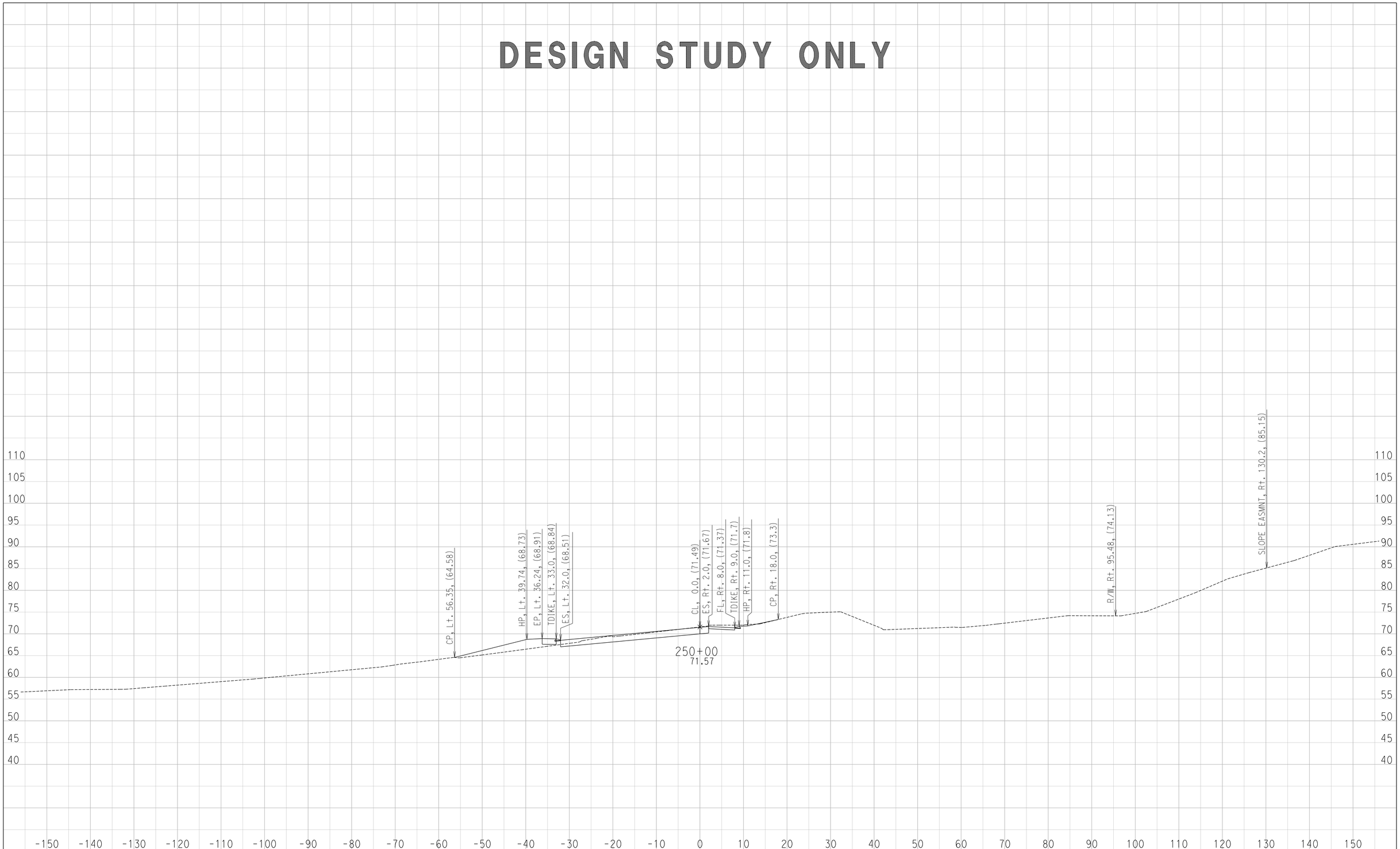
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 6 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

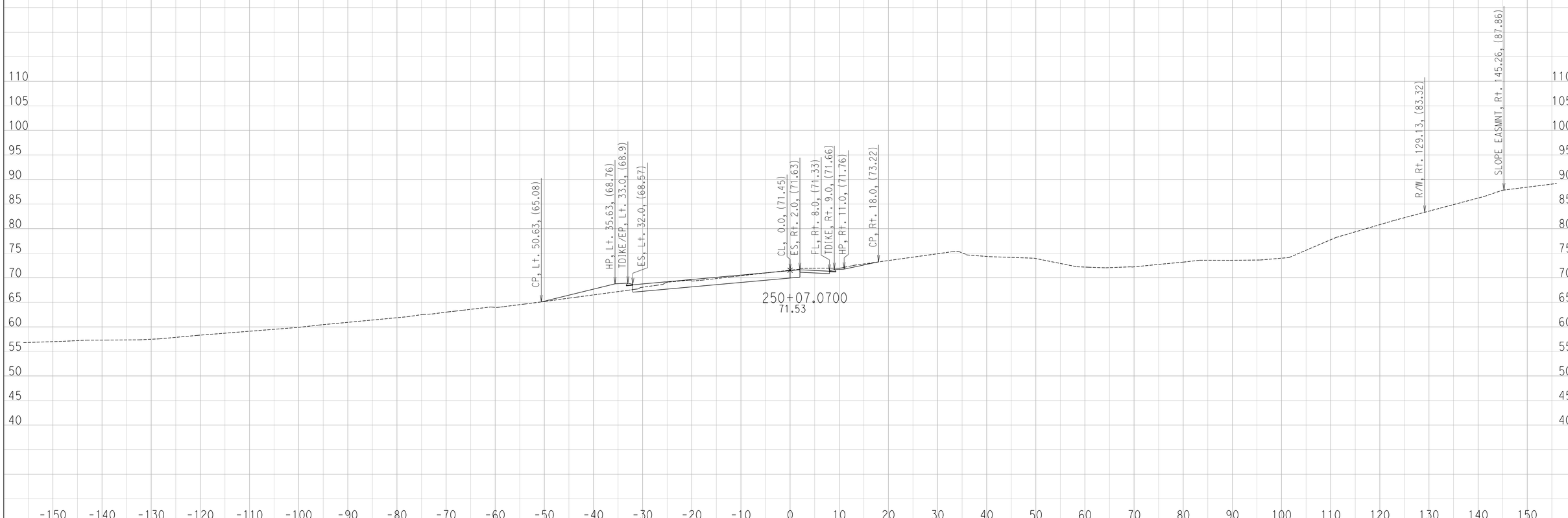
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 7 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

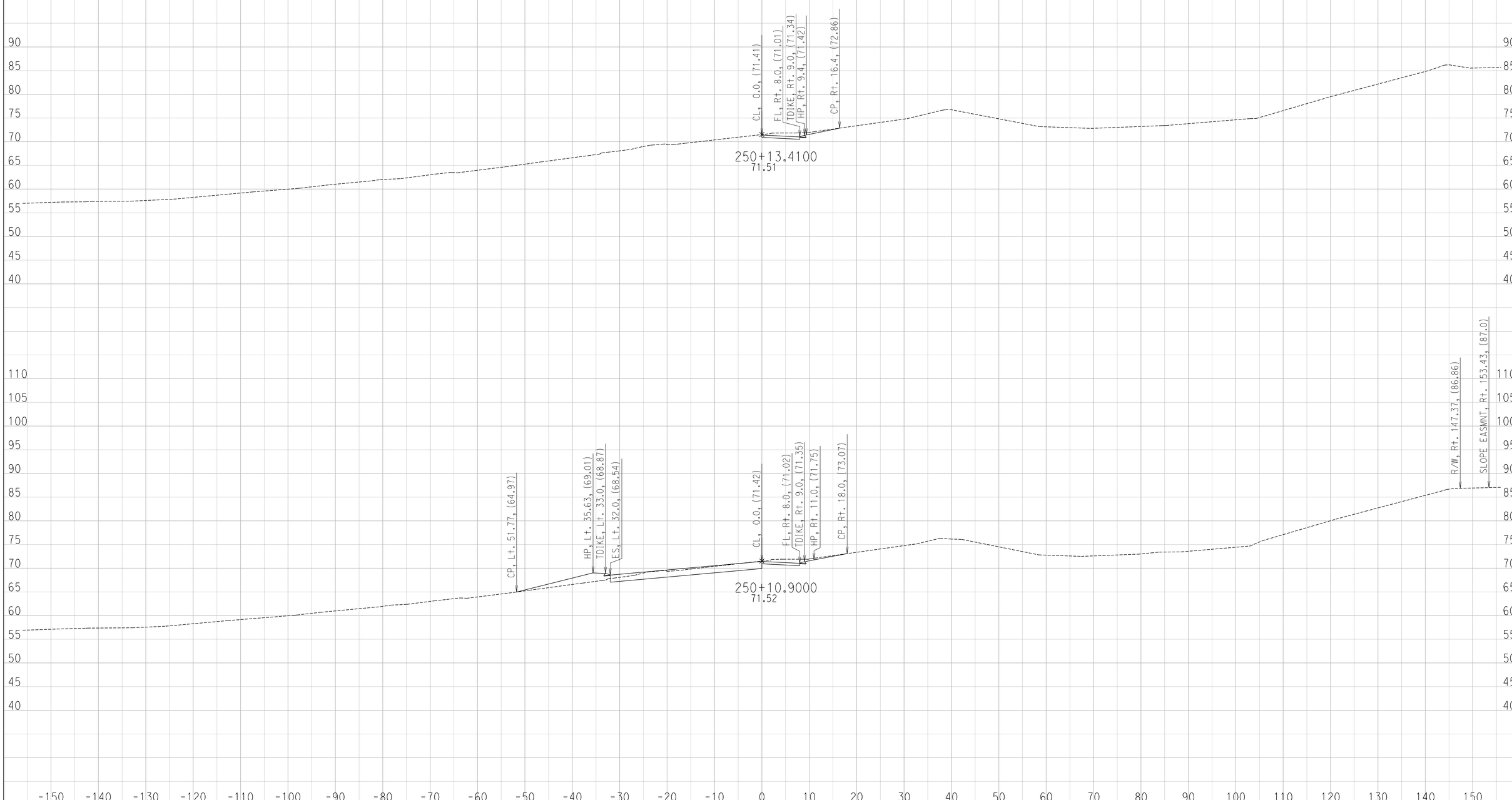
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 8 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

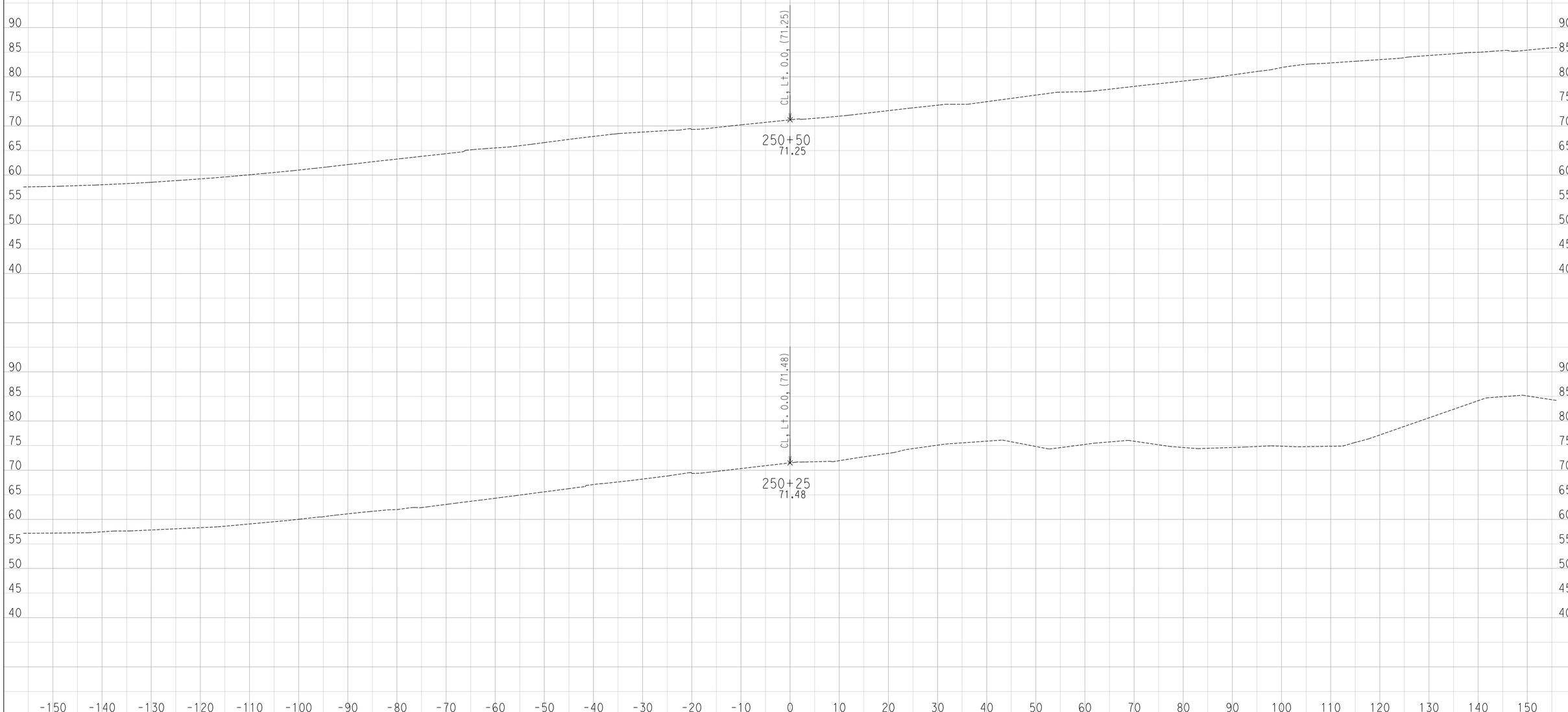
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 9 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

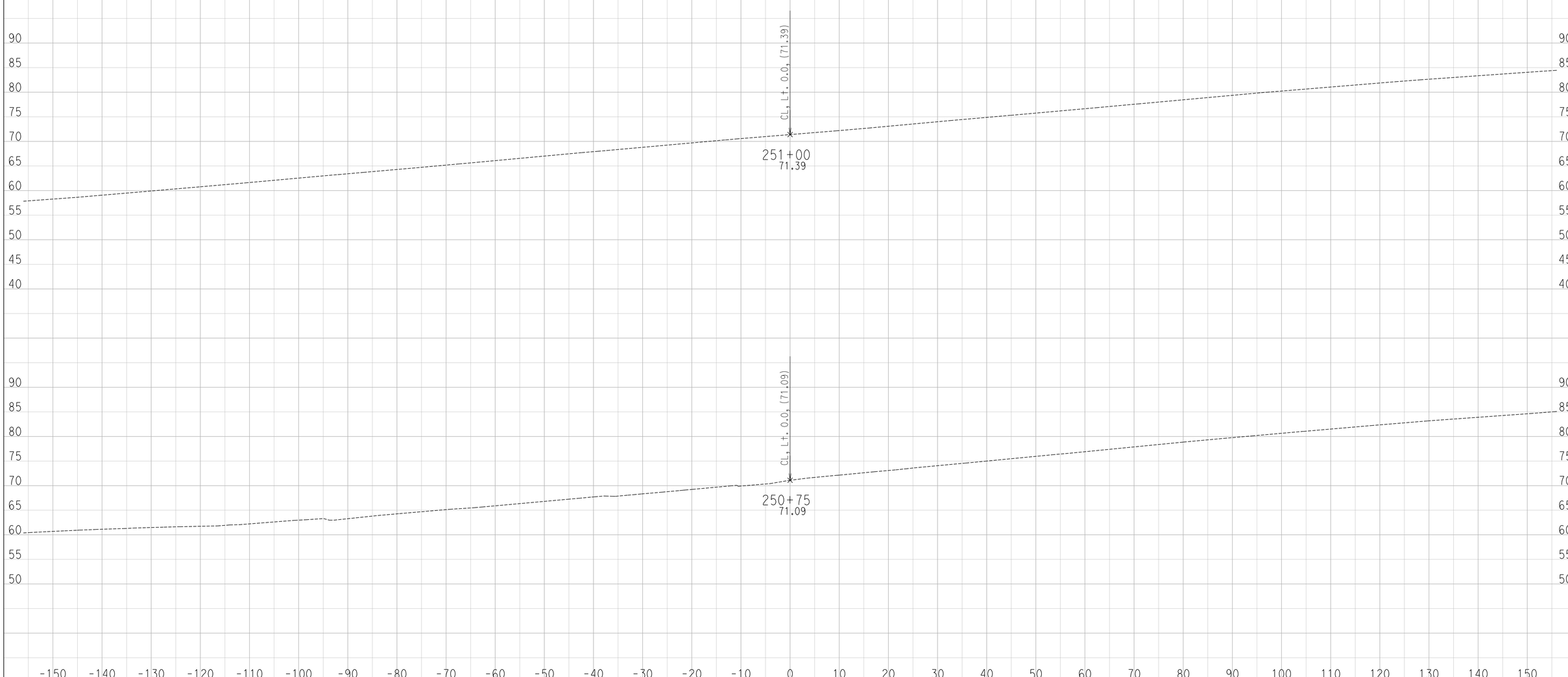
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 10 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

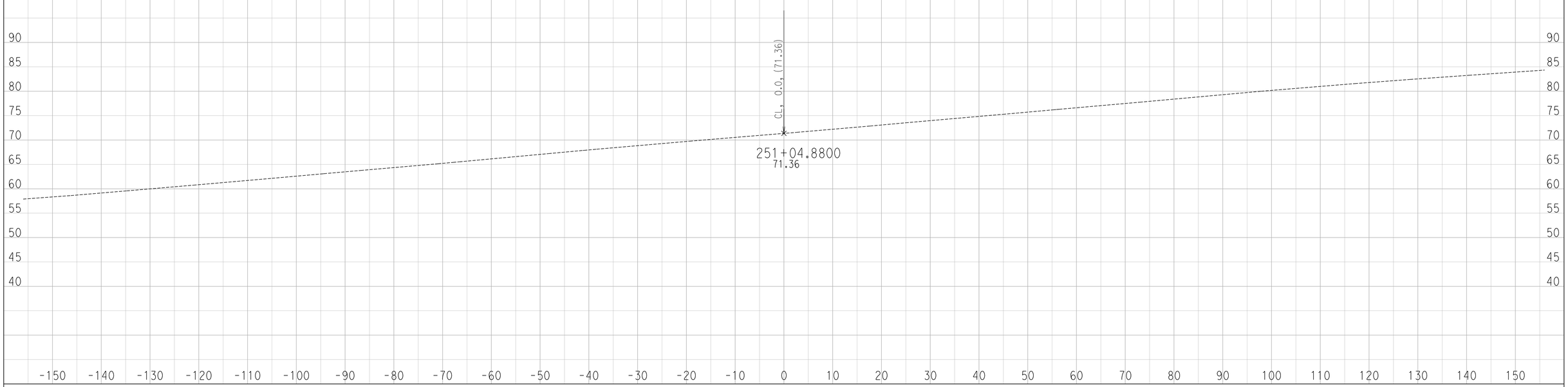
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 11 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

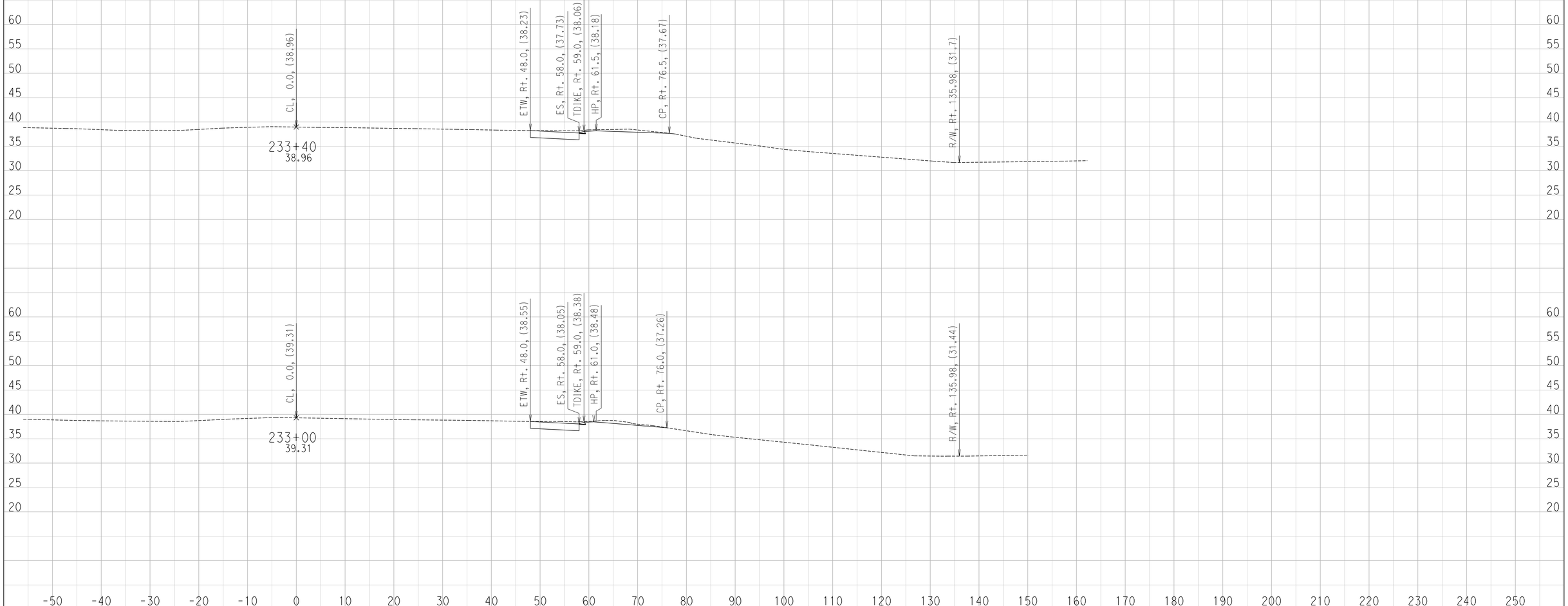
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR-6
CROSS SECTIONS
SHEET 12 OF 12

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

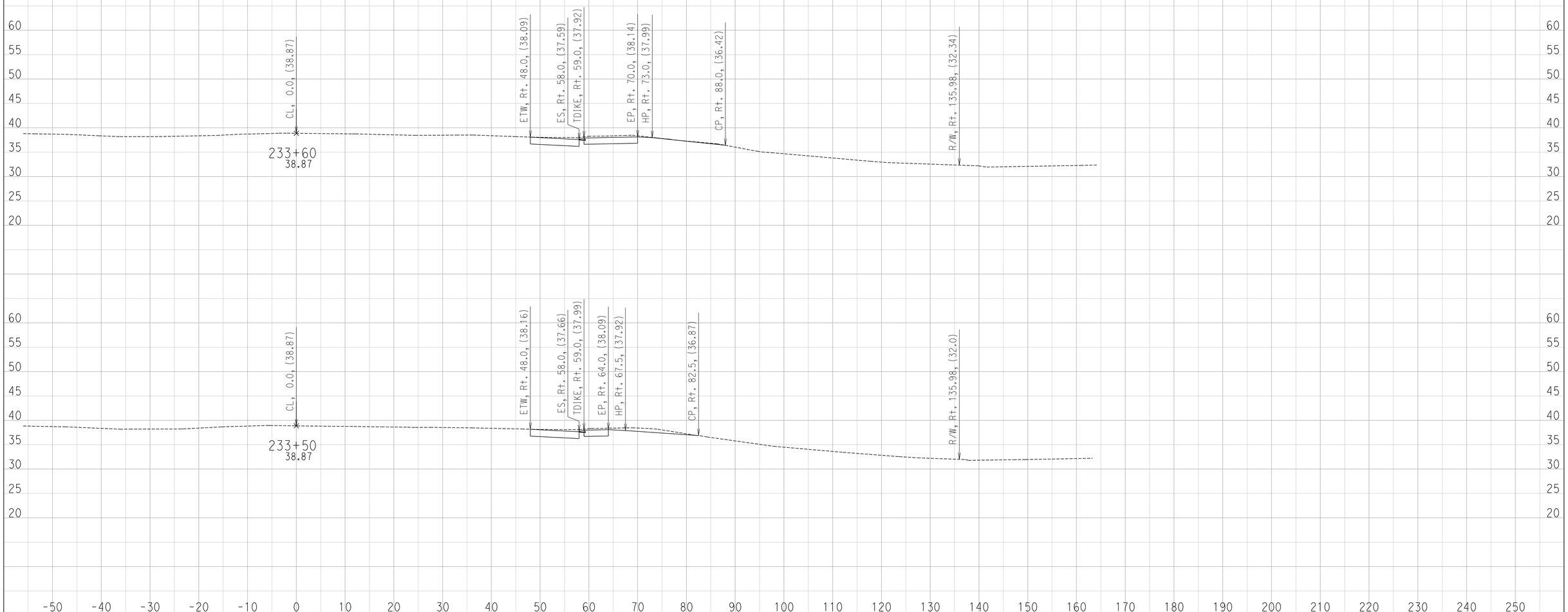
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

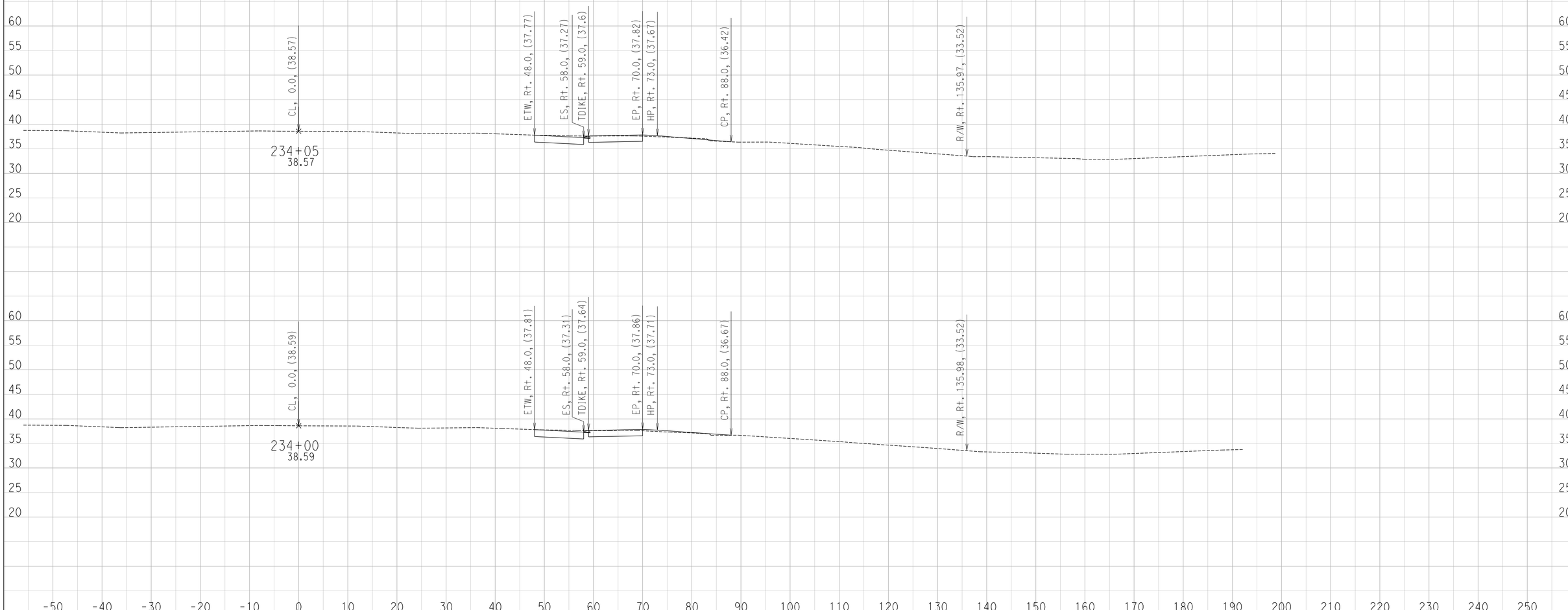
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 2 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

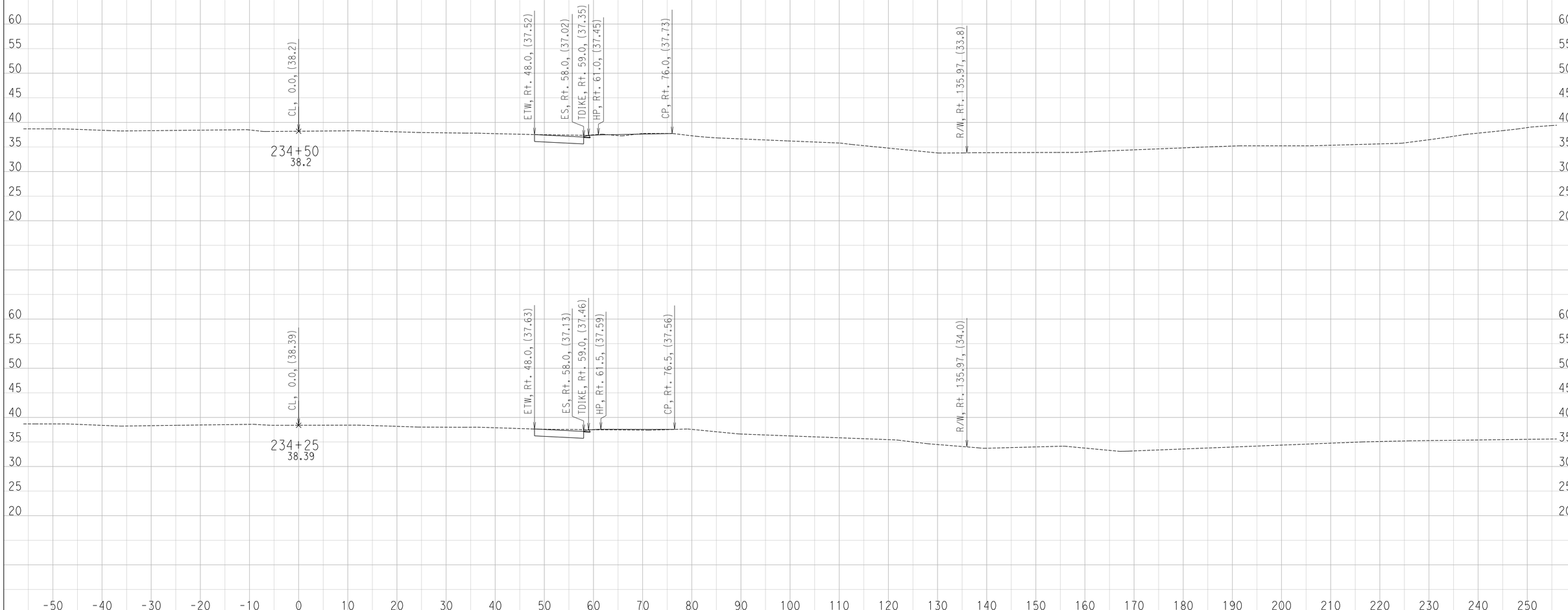
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 3 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

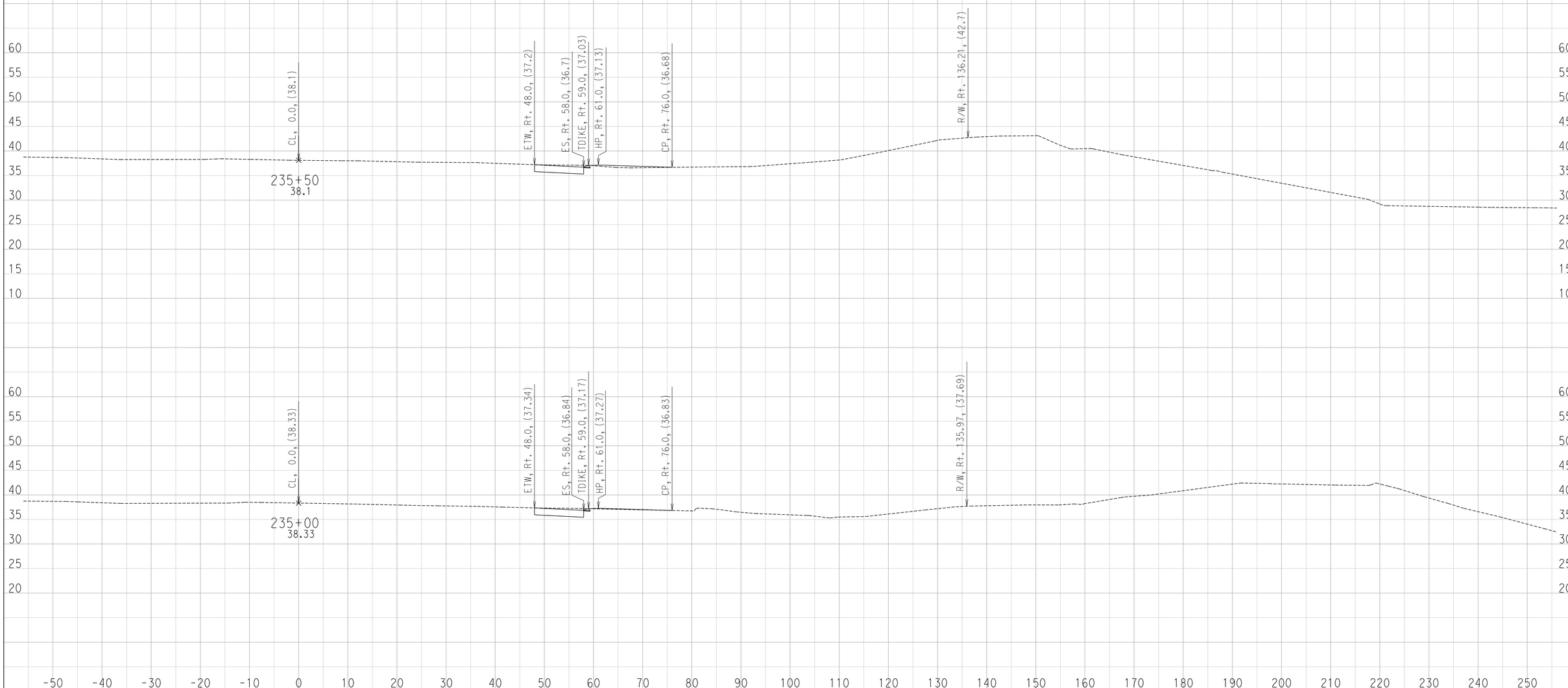
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

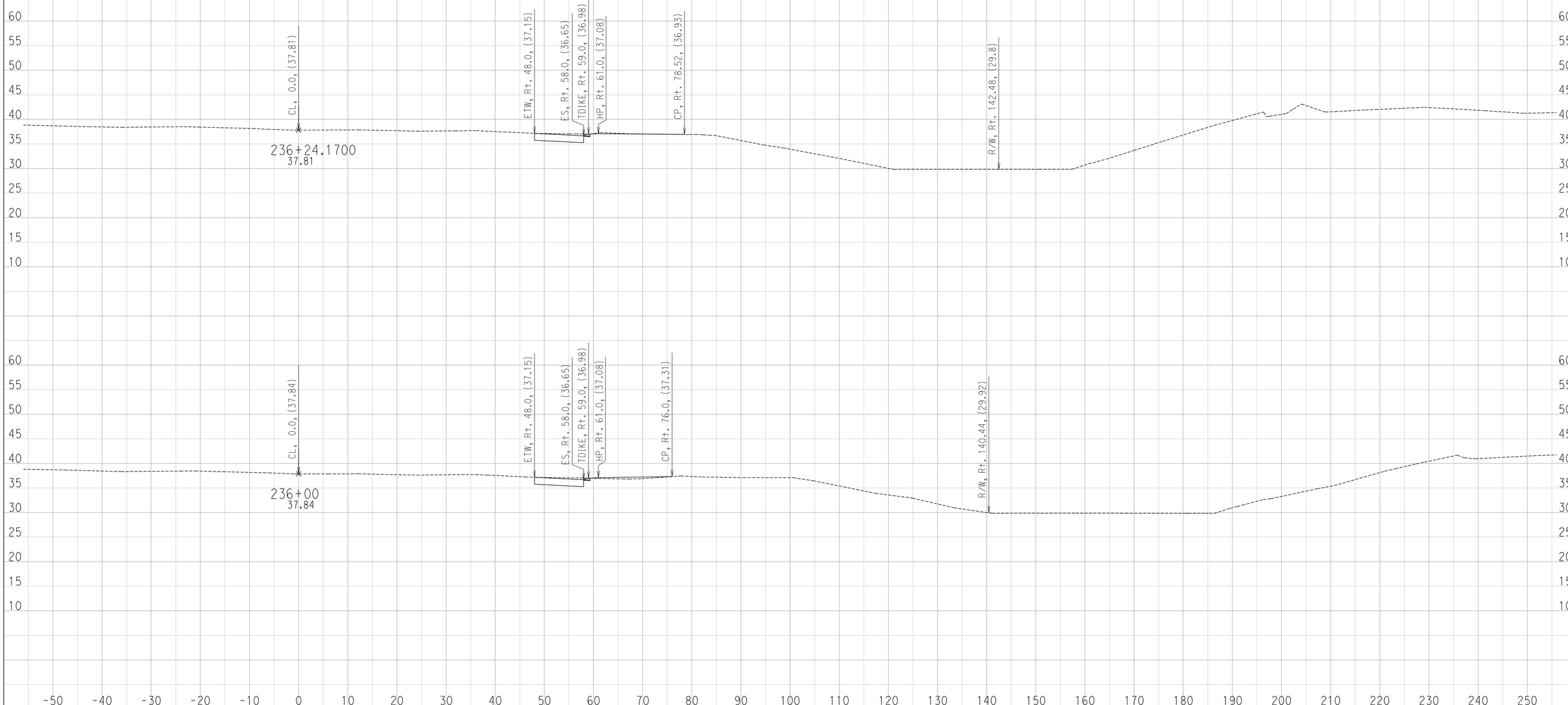
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

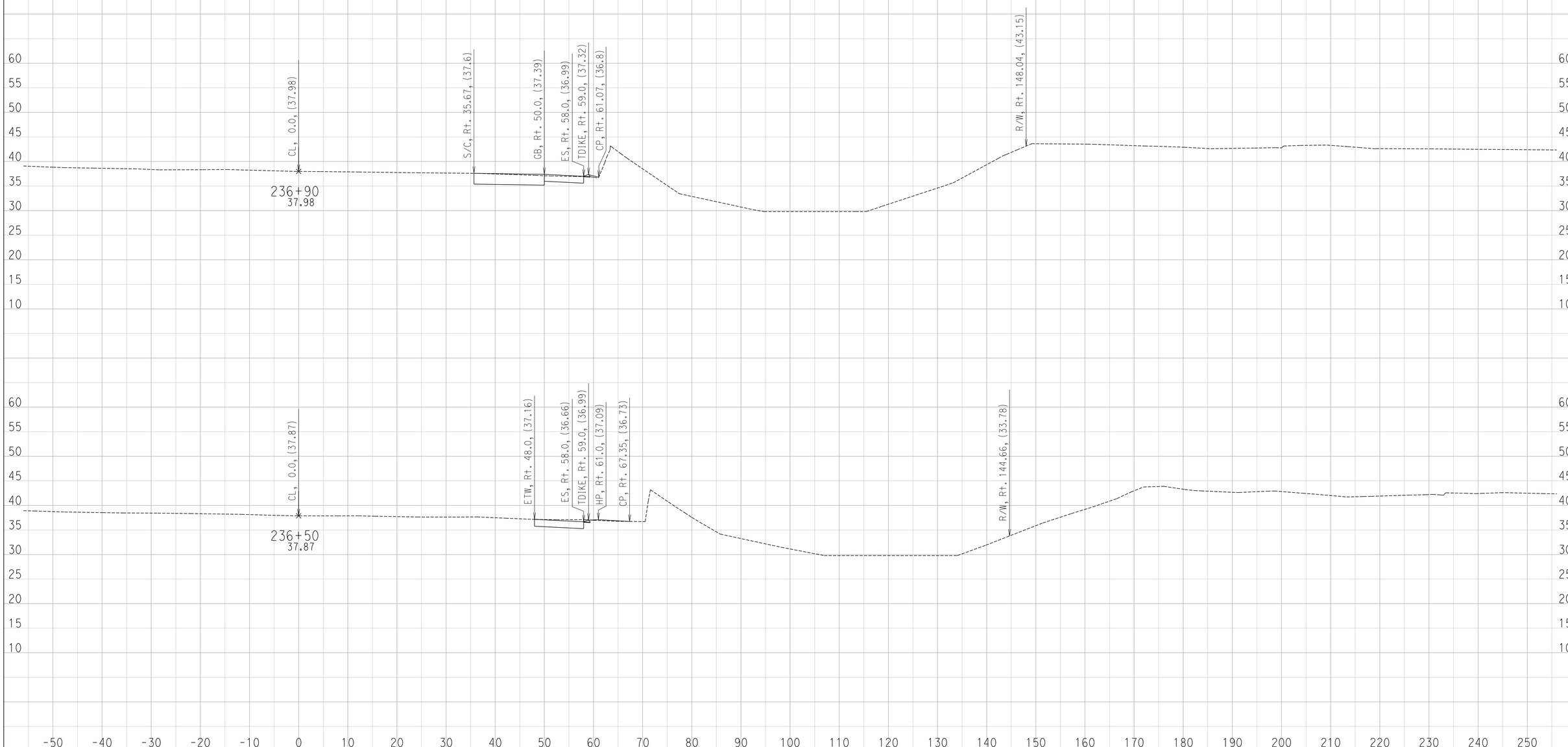
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

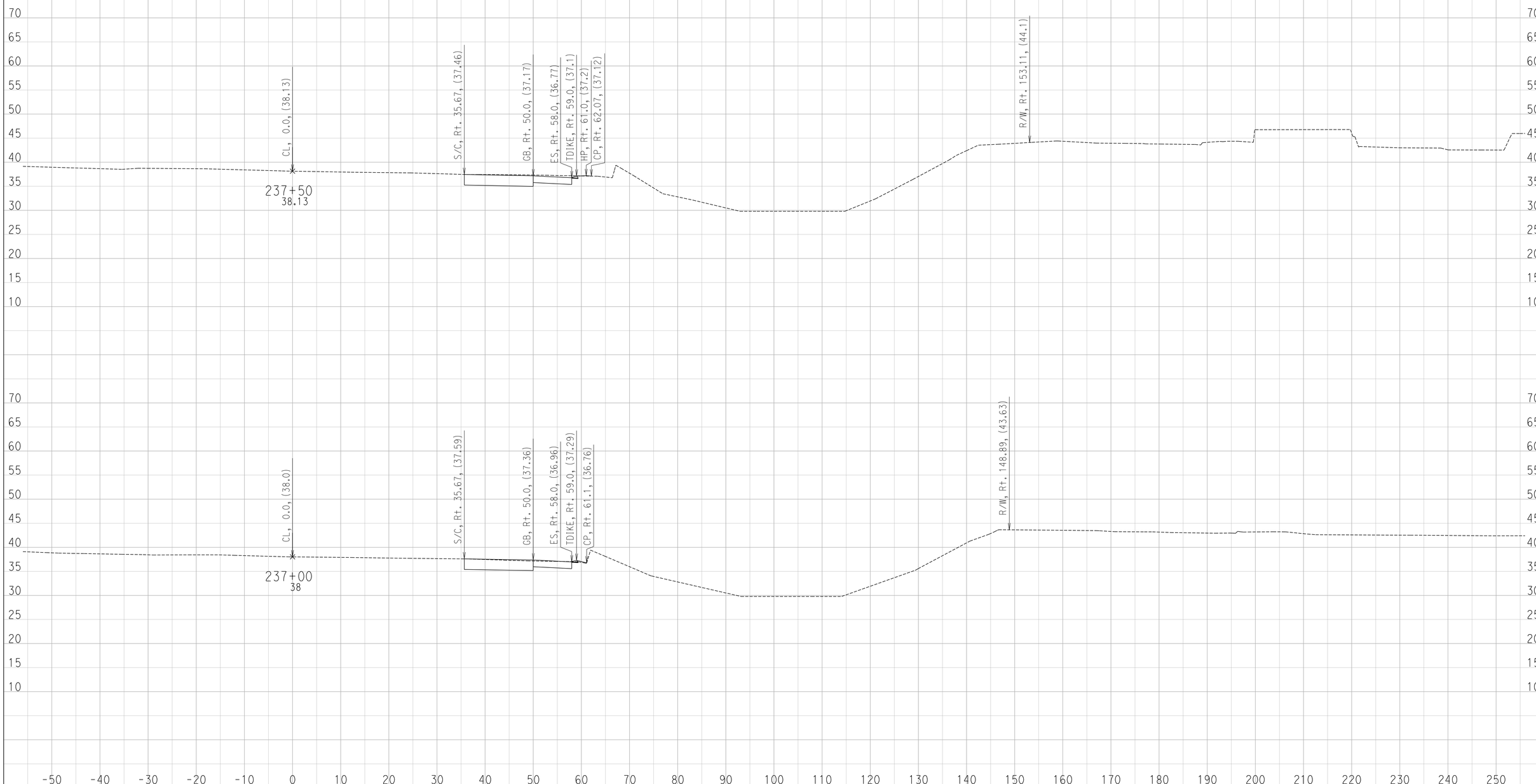
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

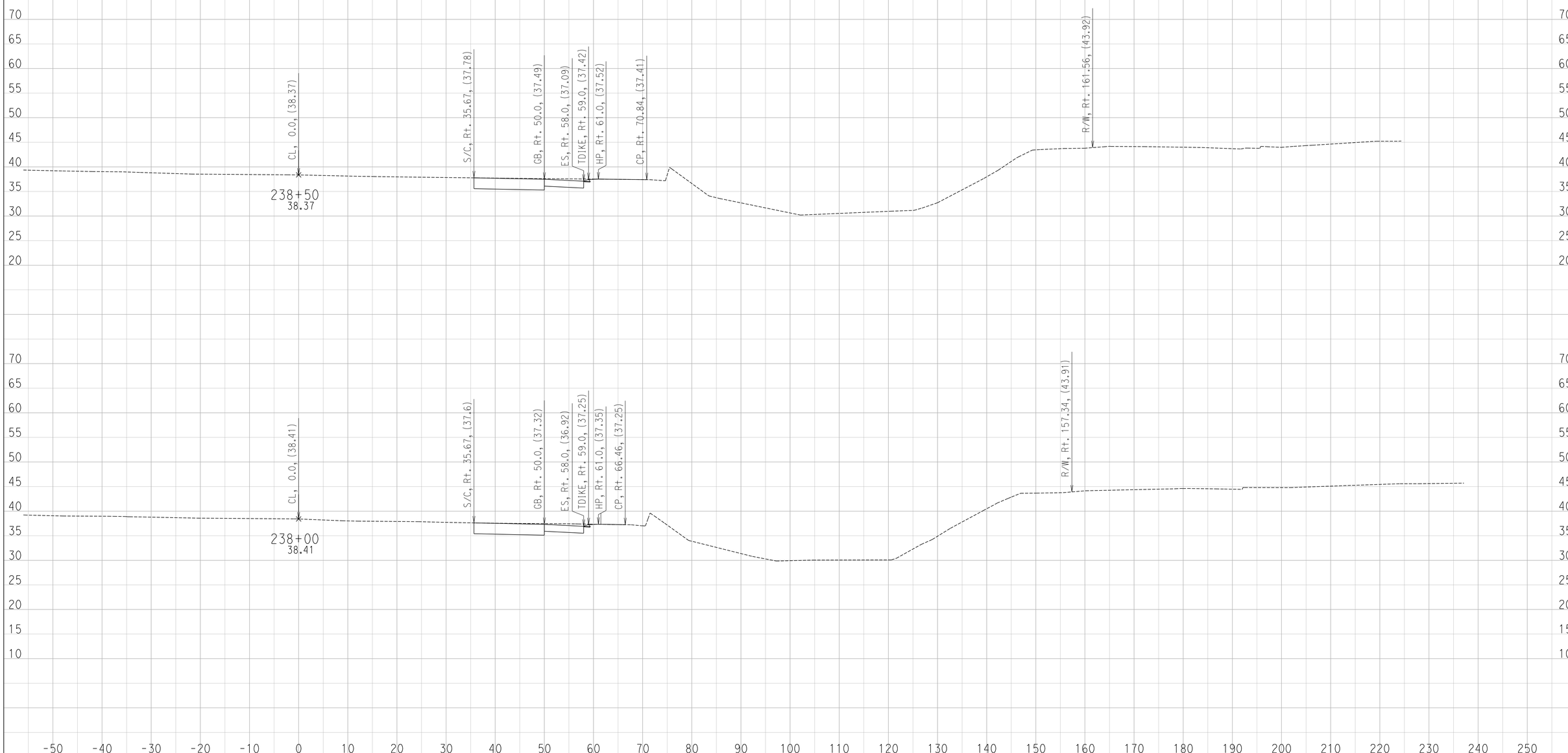
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

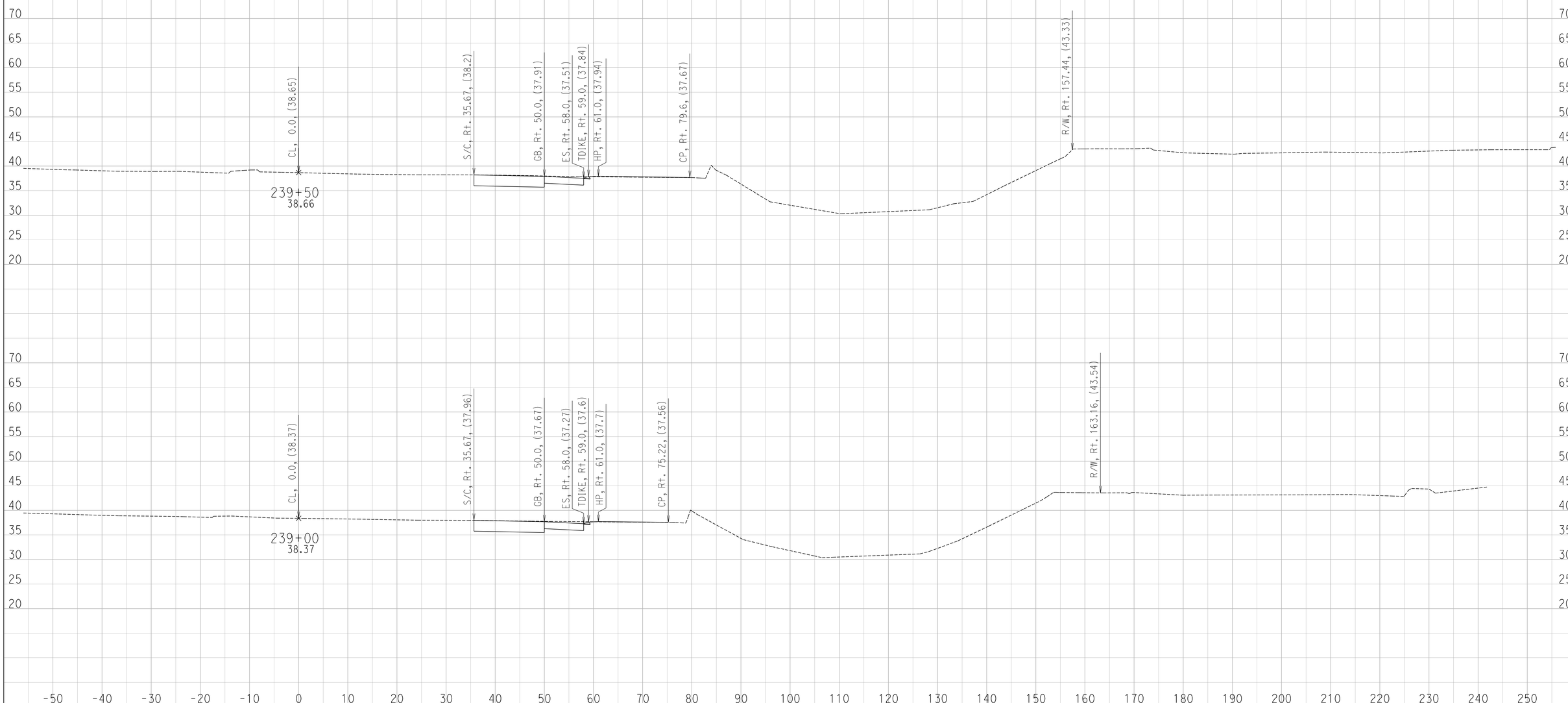
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

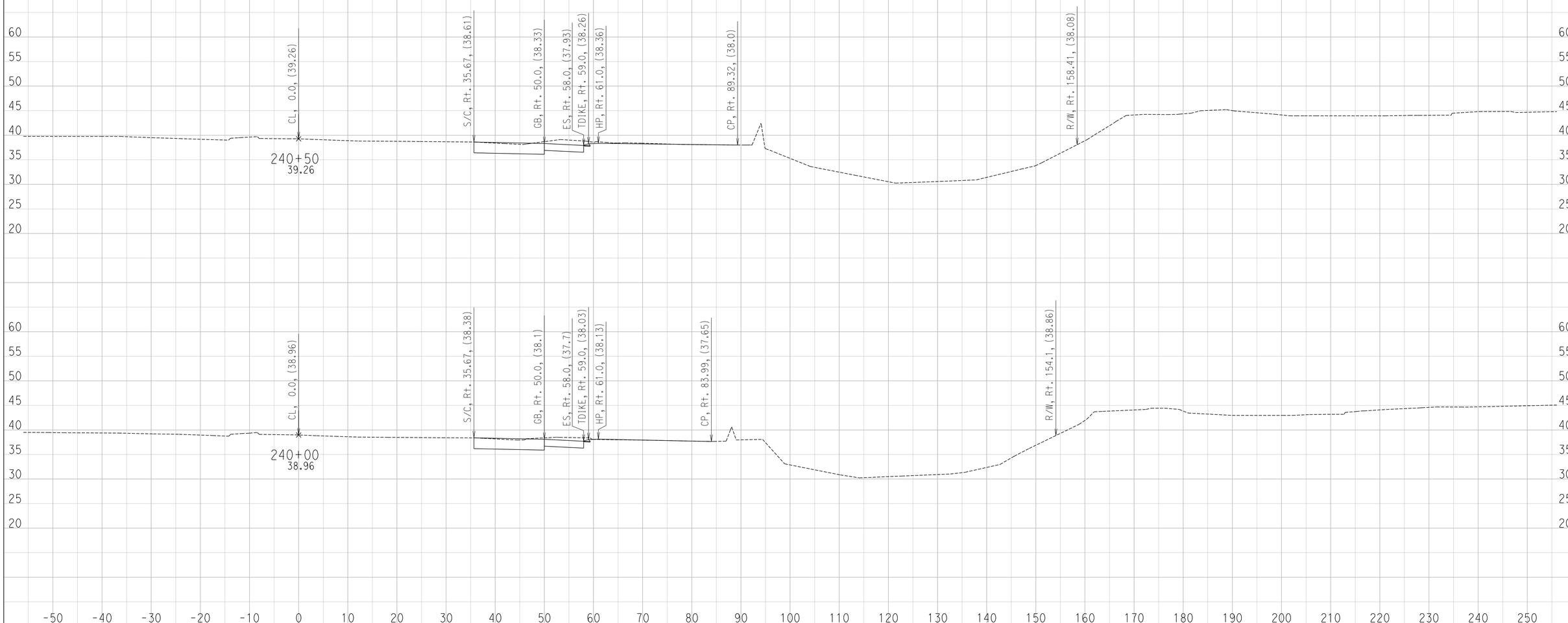
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

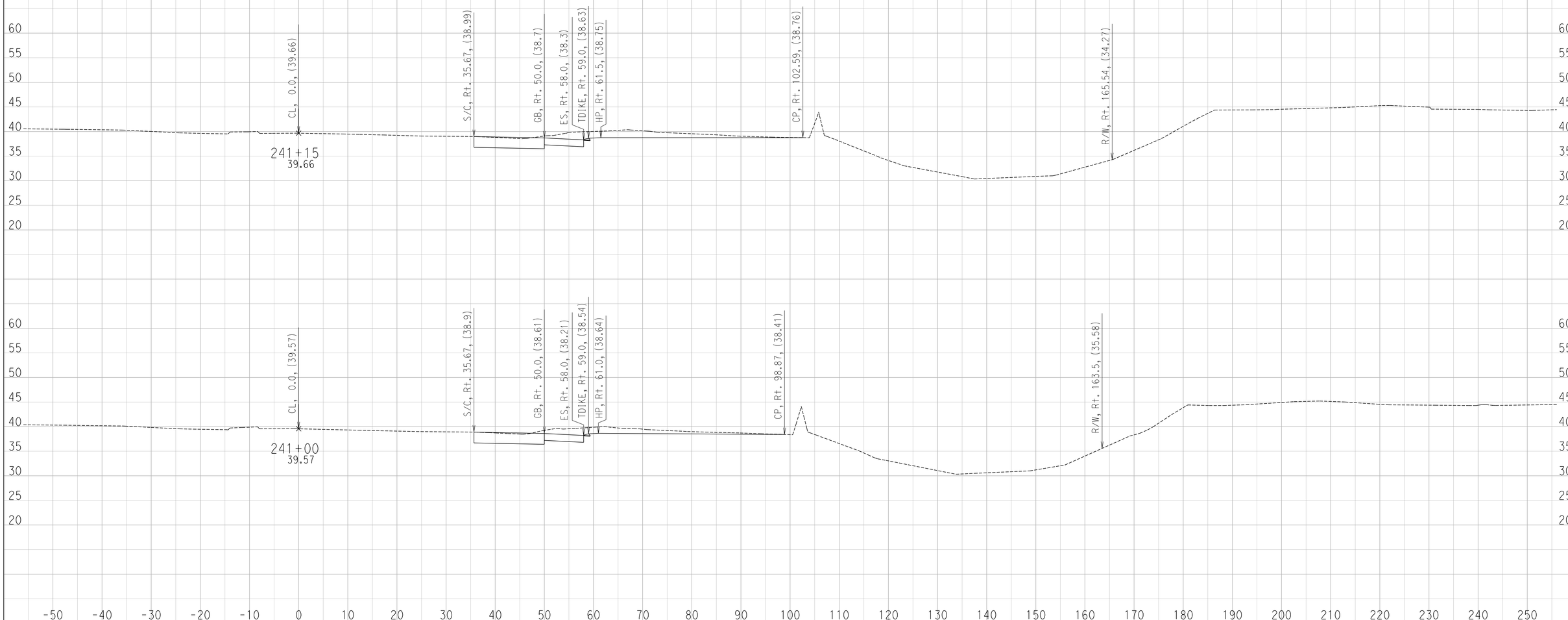
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

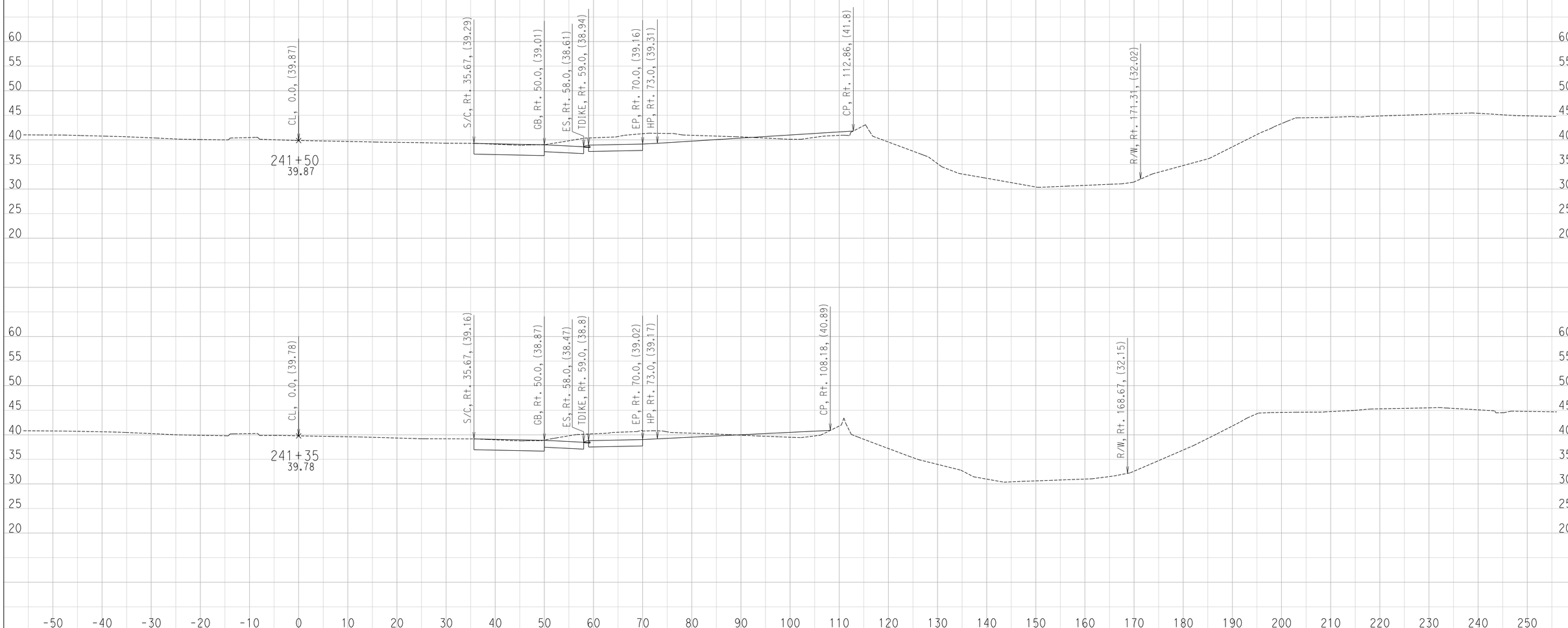
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

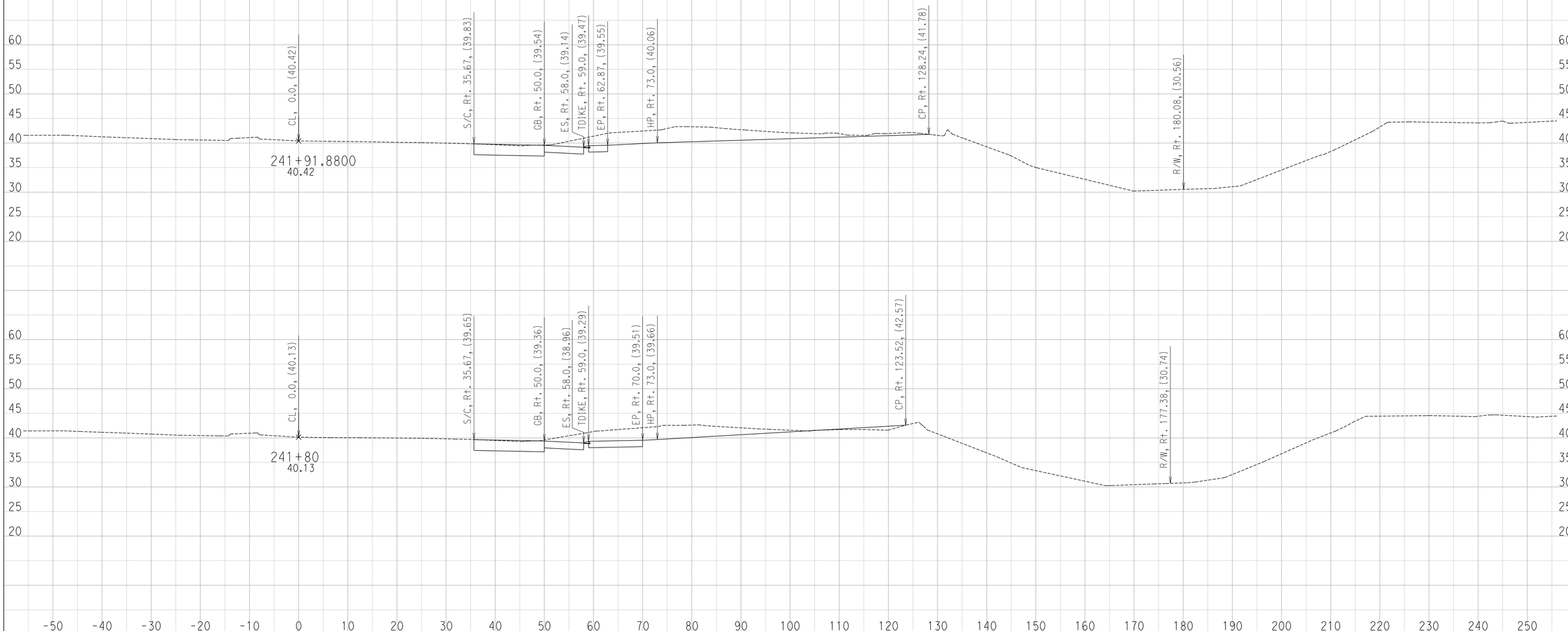
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

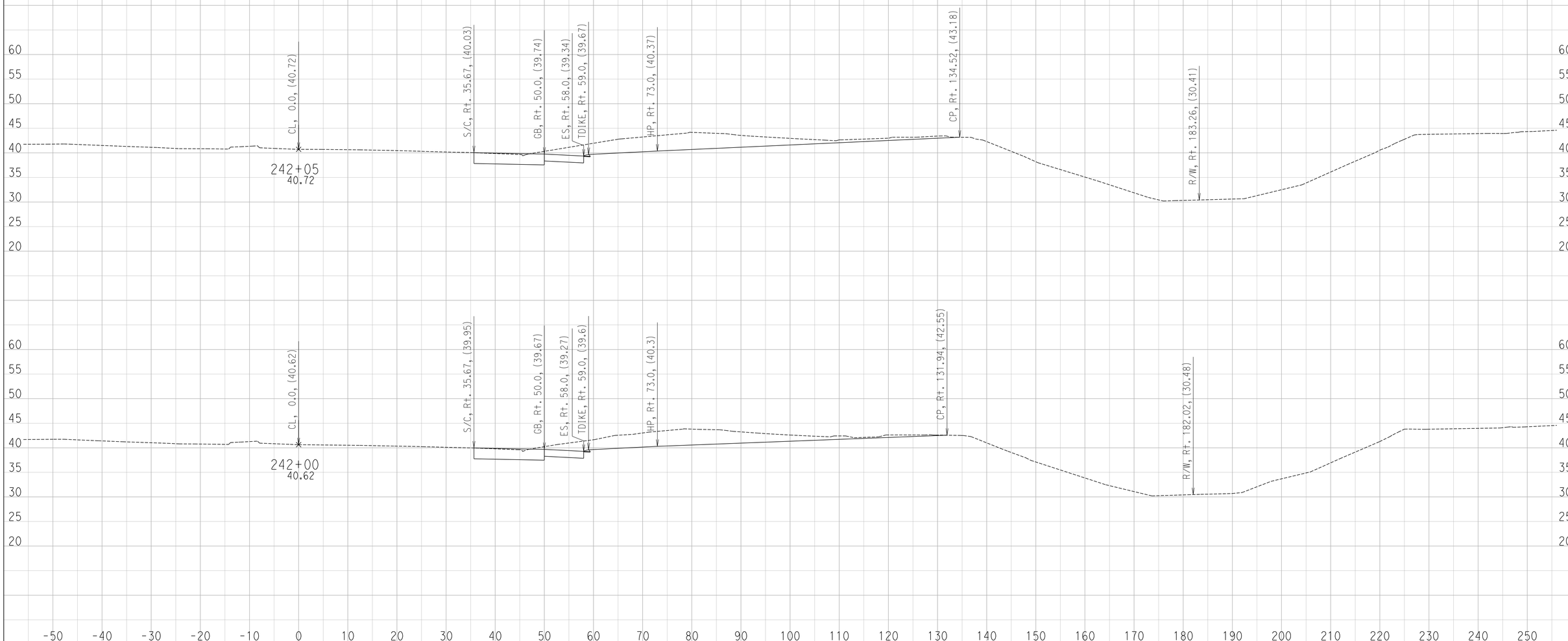
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

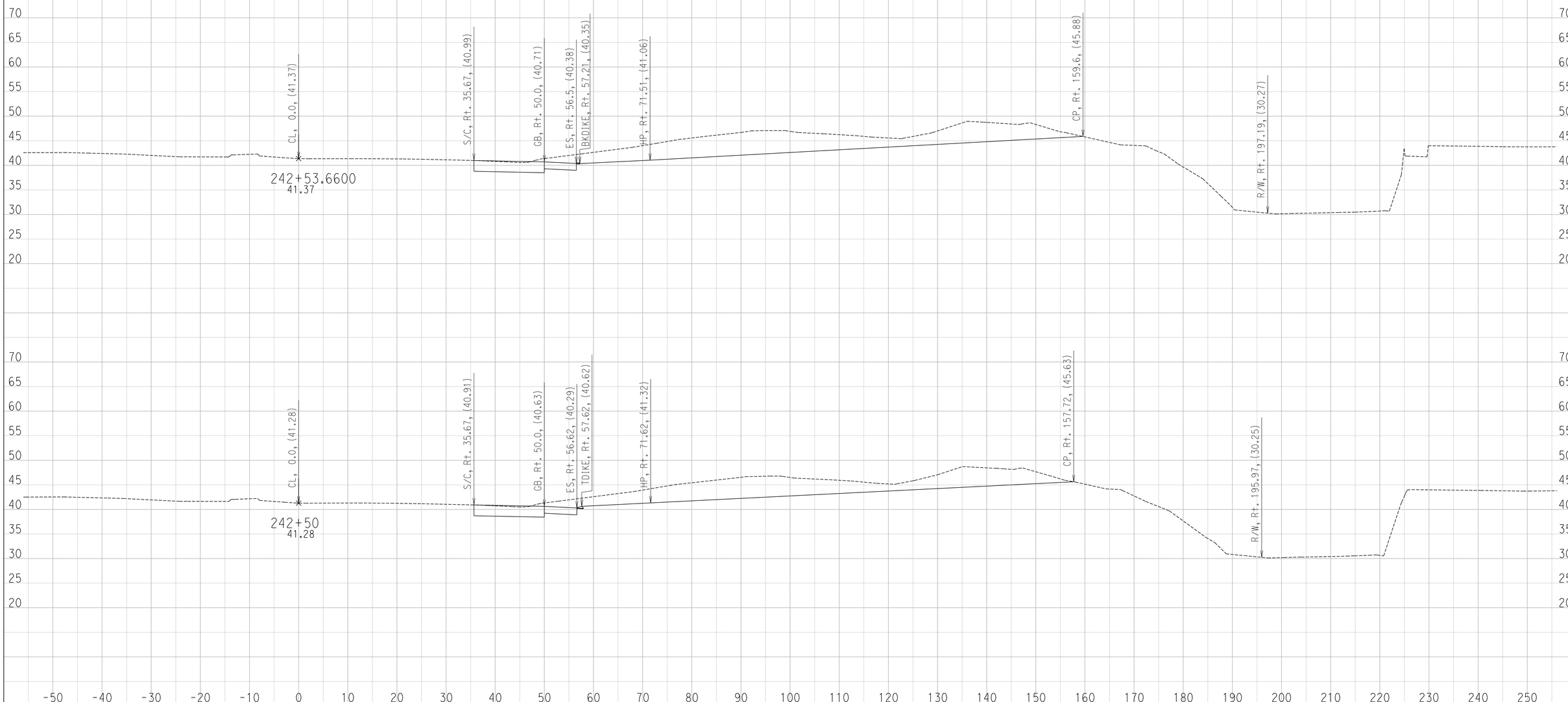
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

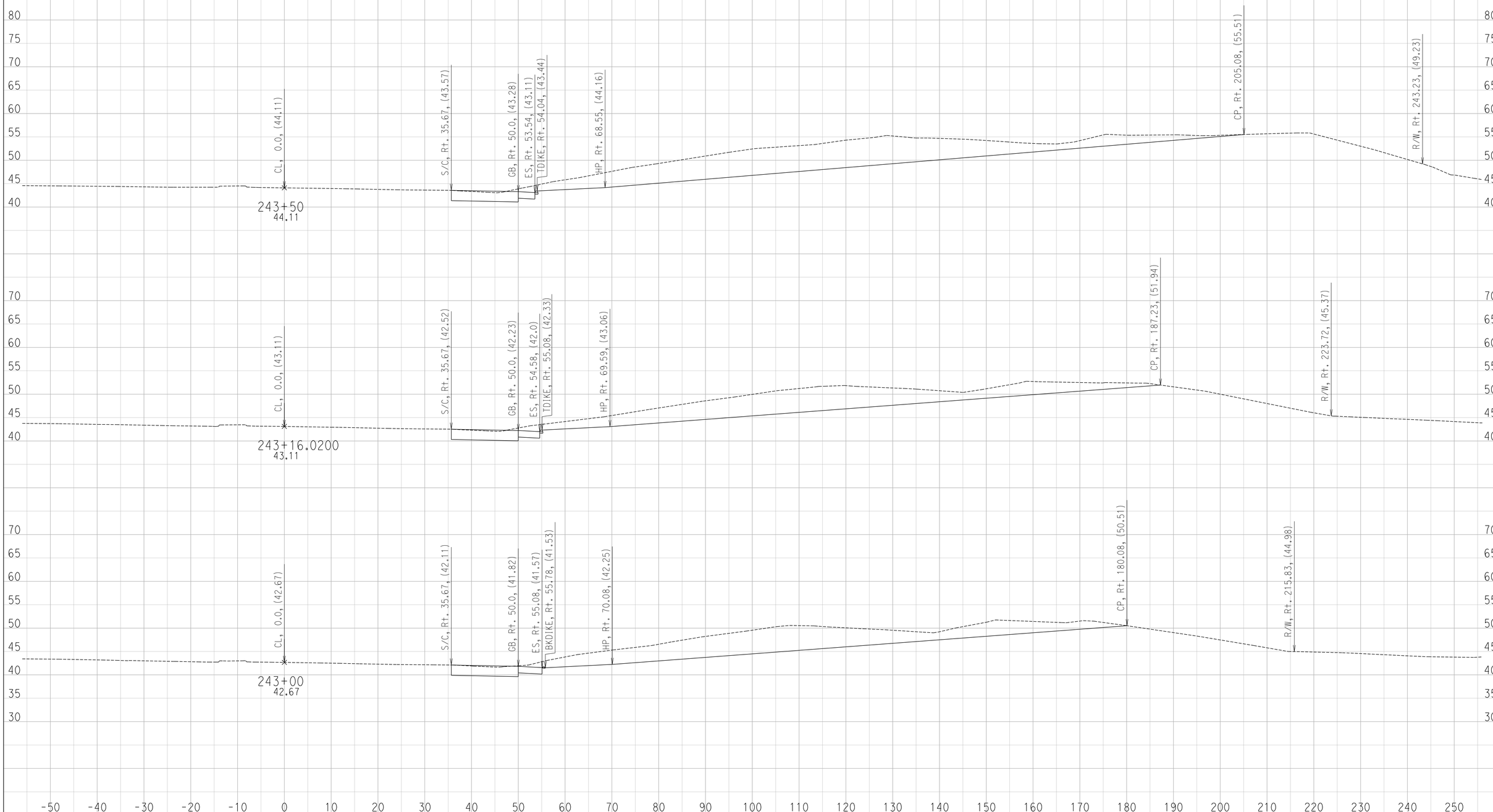
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

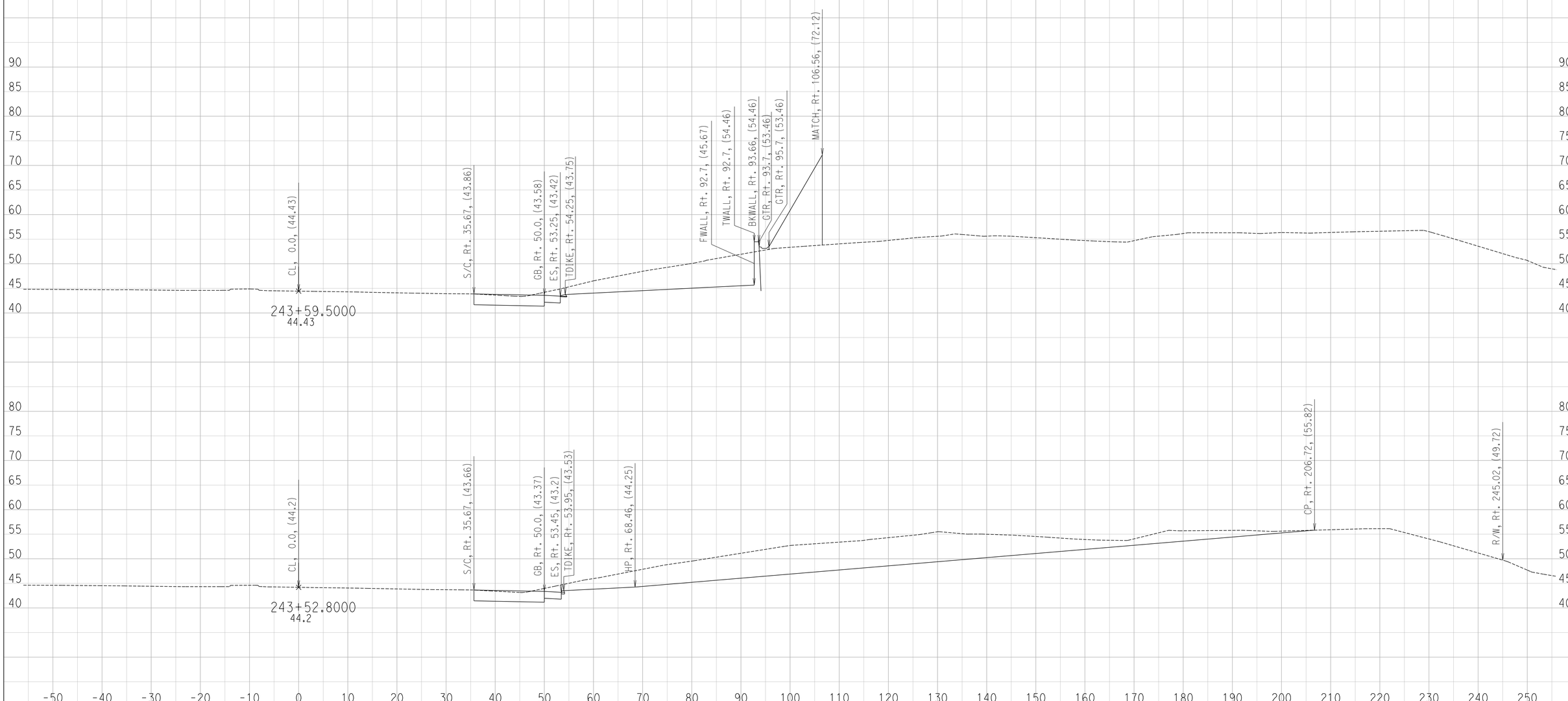
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 17 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

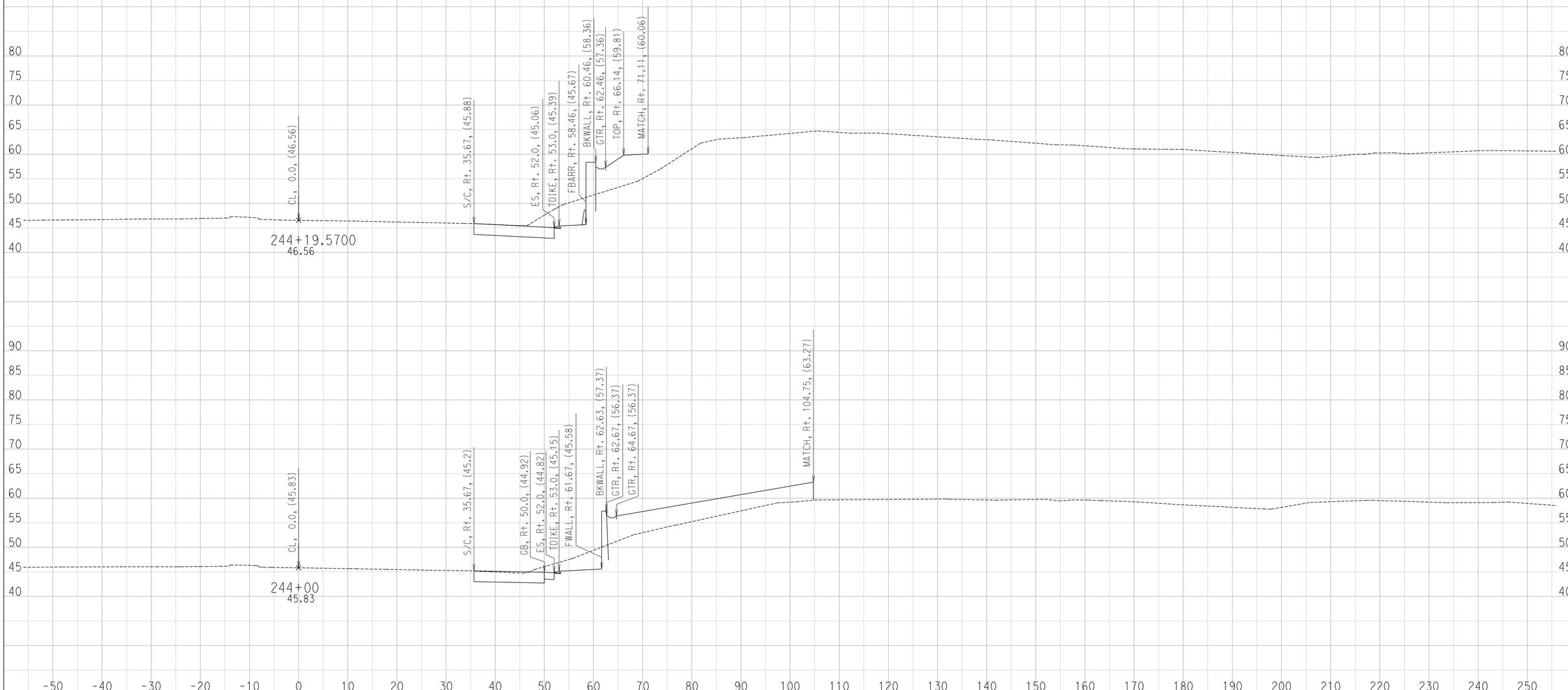
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

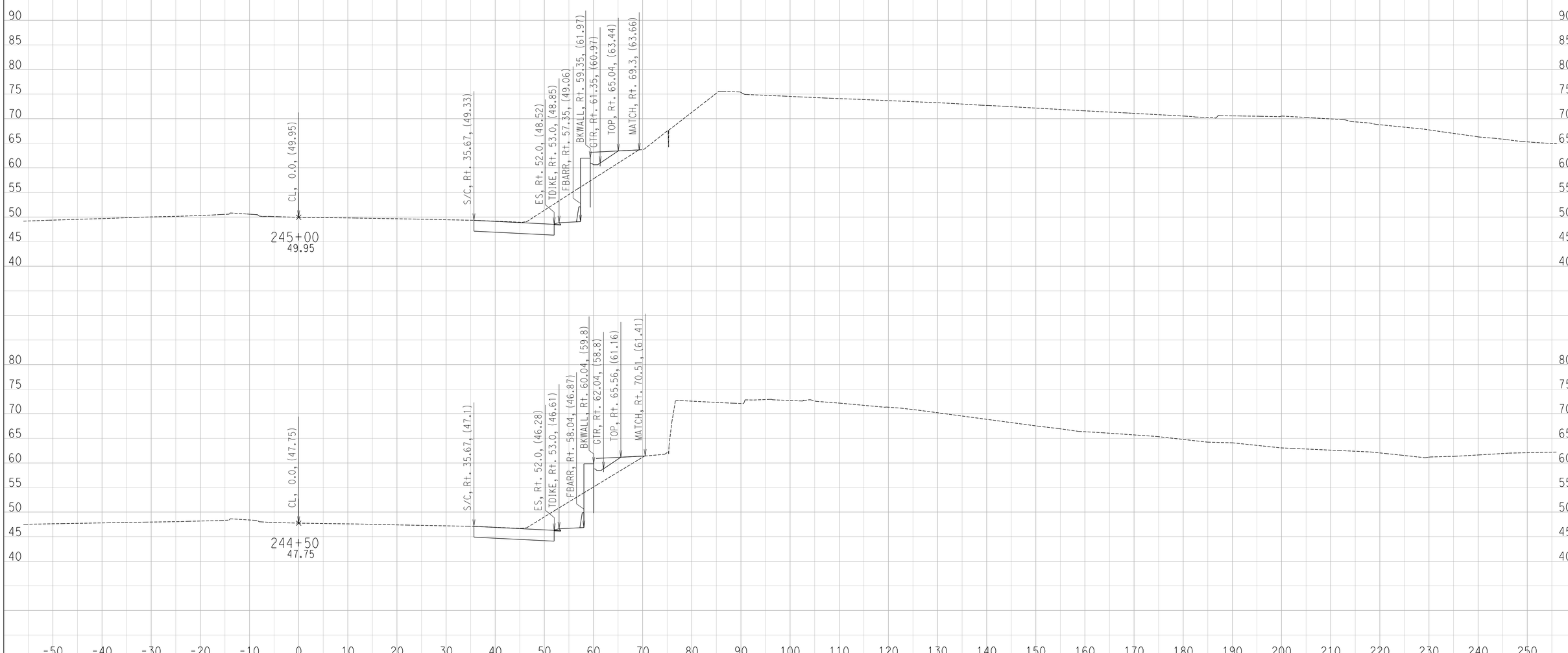
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 19 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

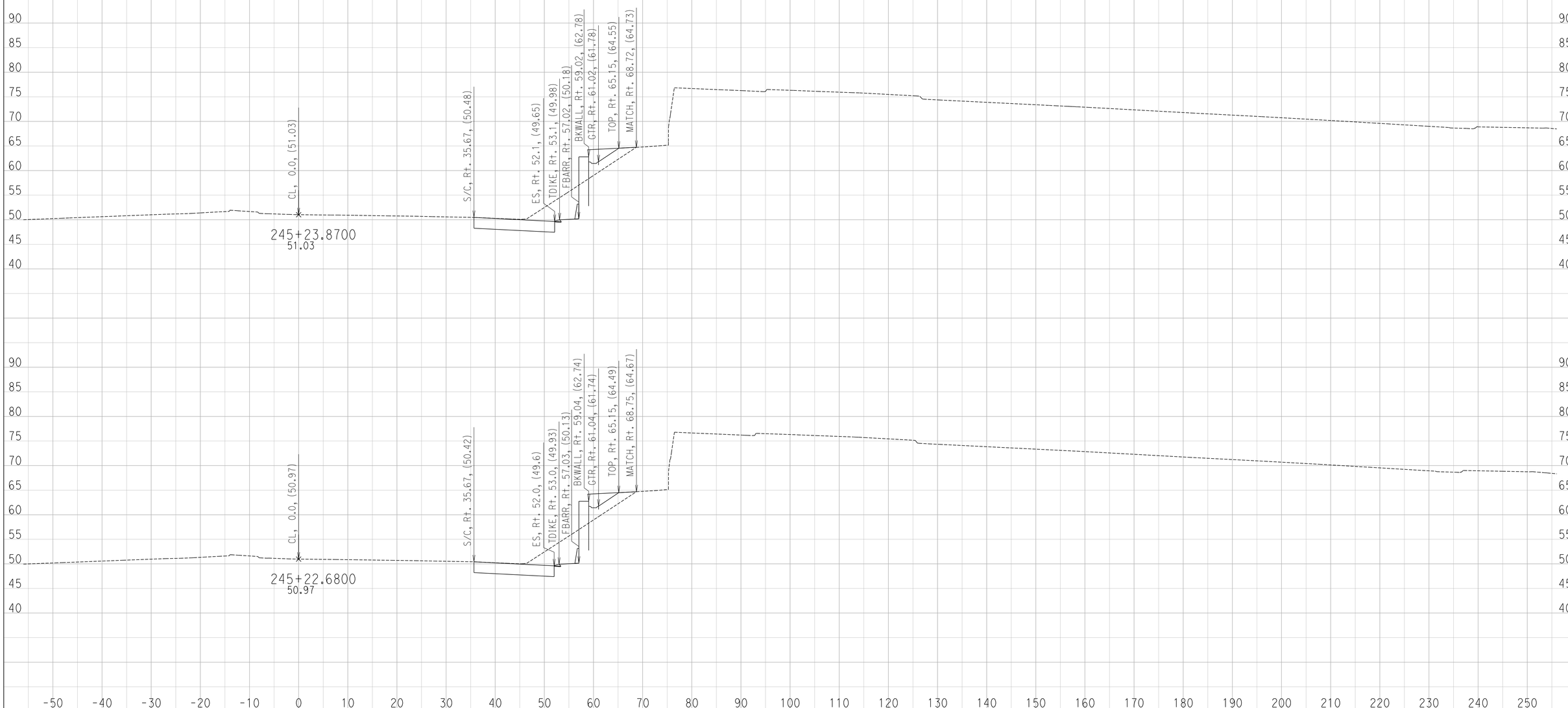
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 20 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

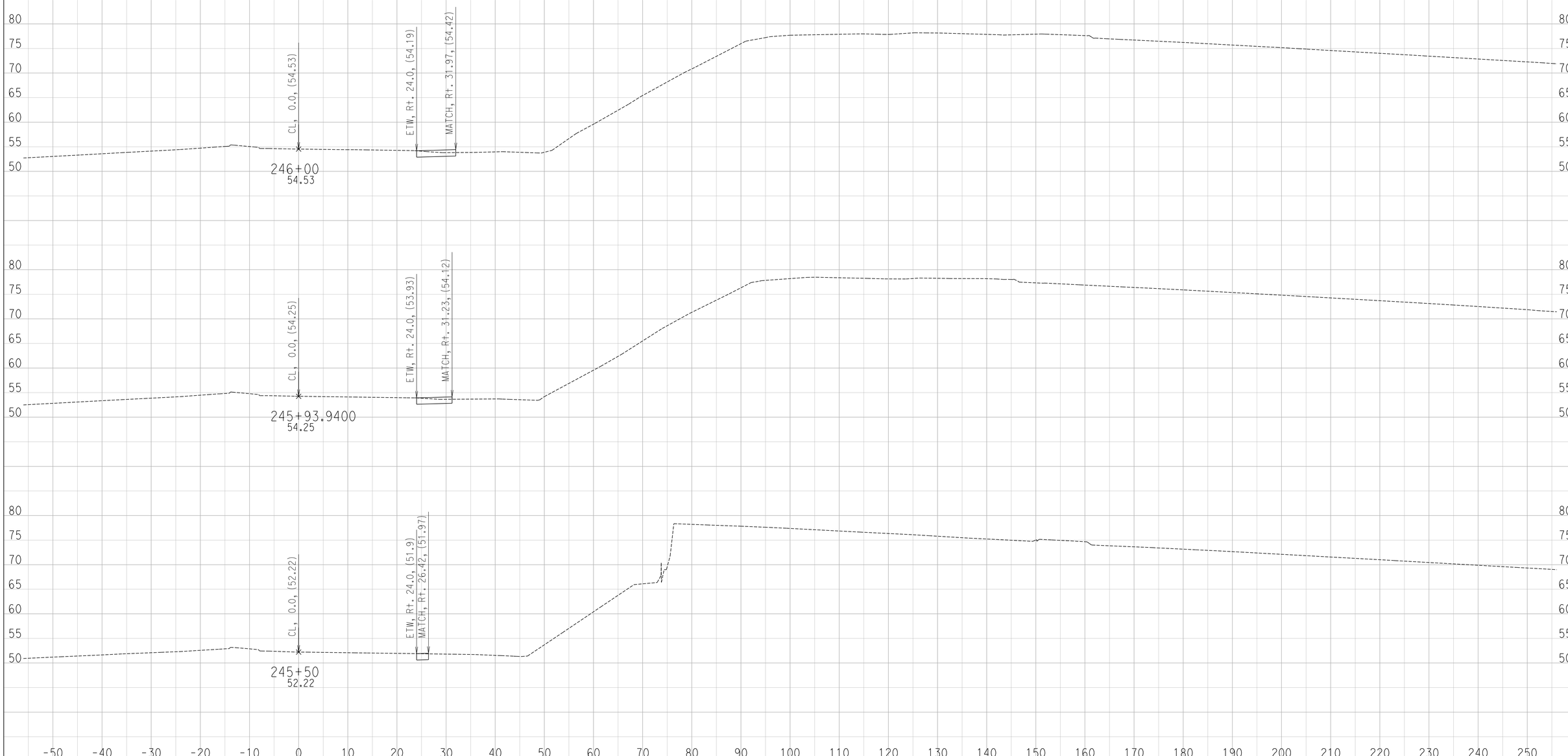
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

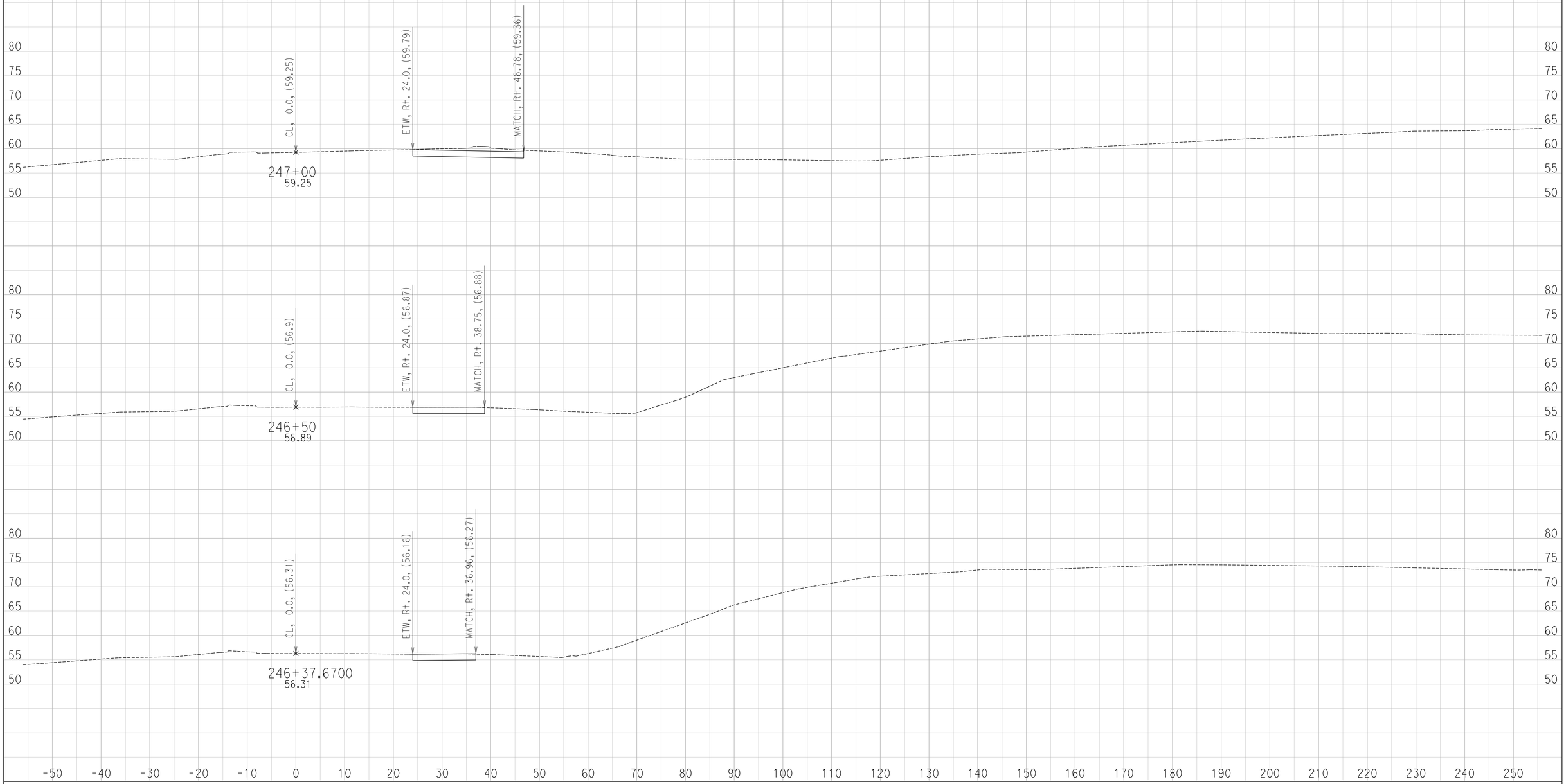
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

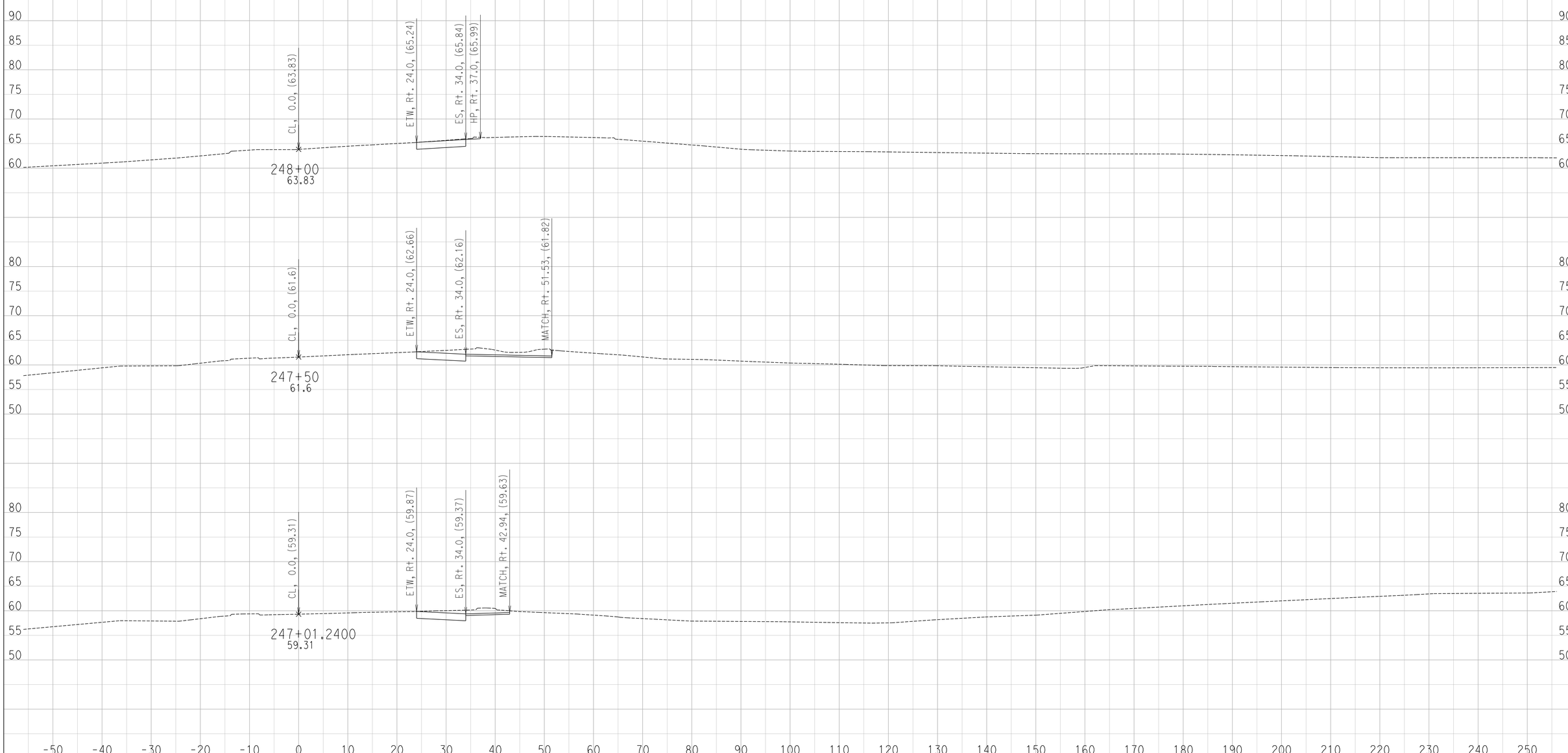
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

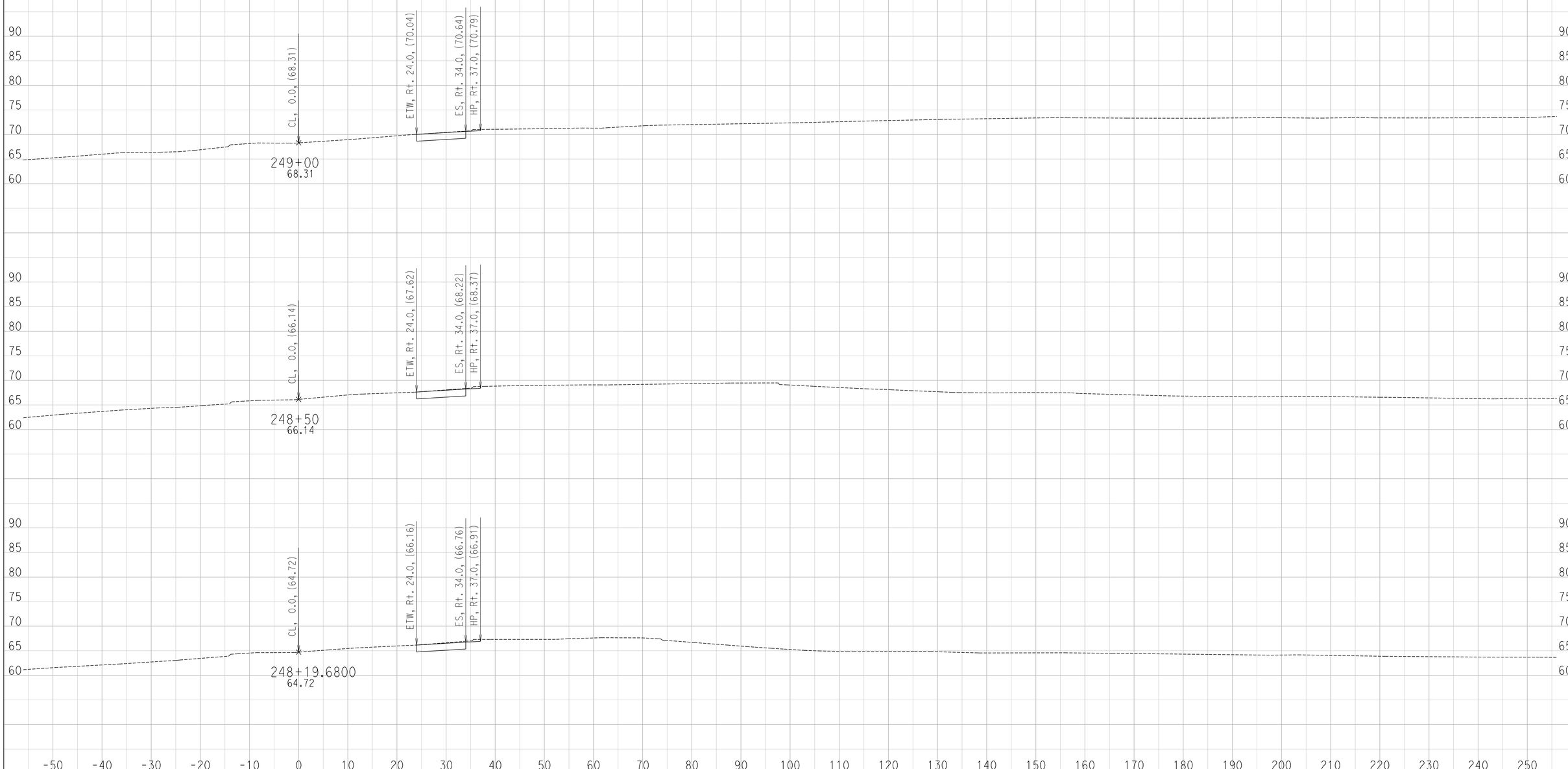
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

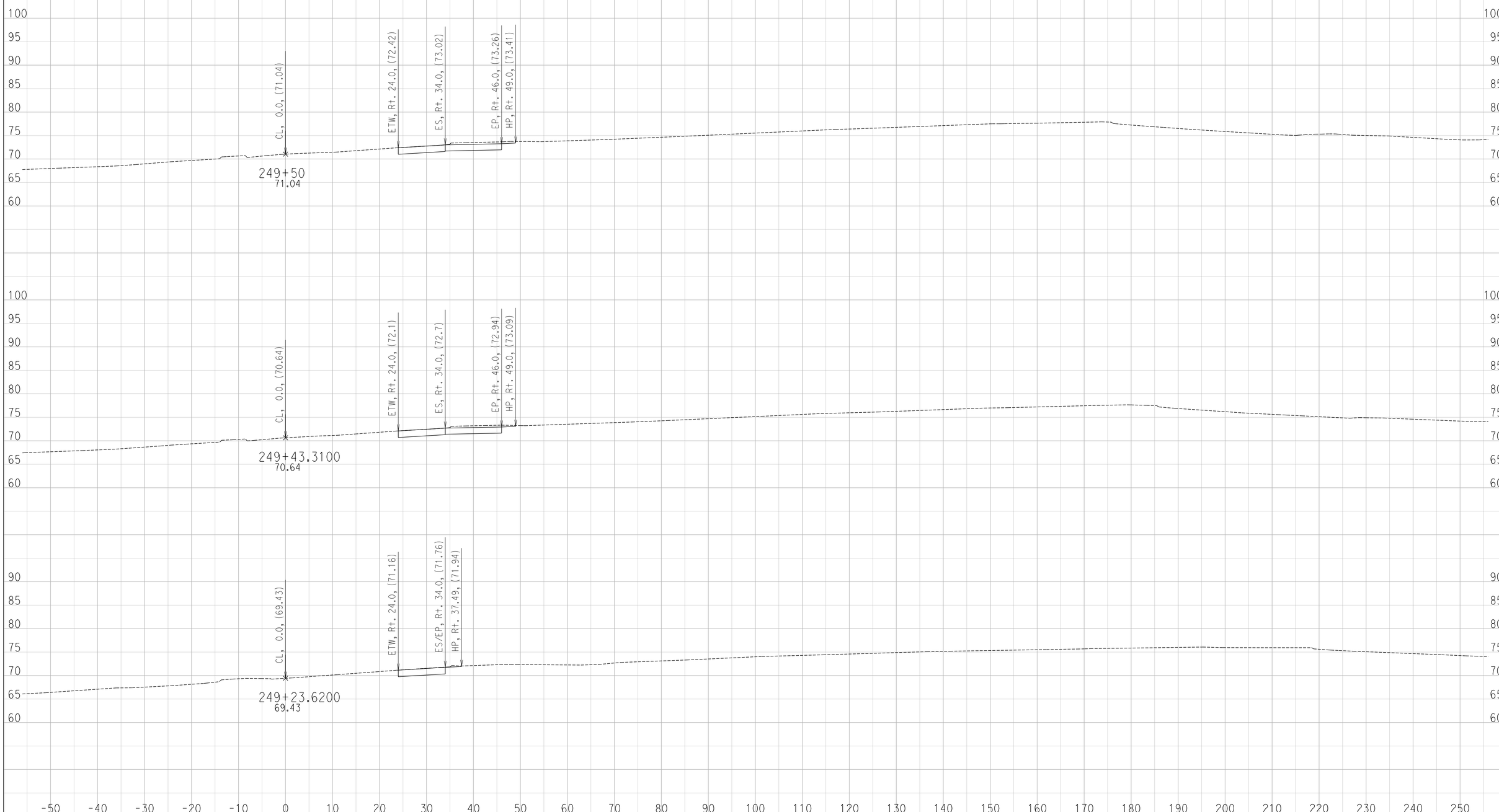
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 25 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

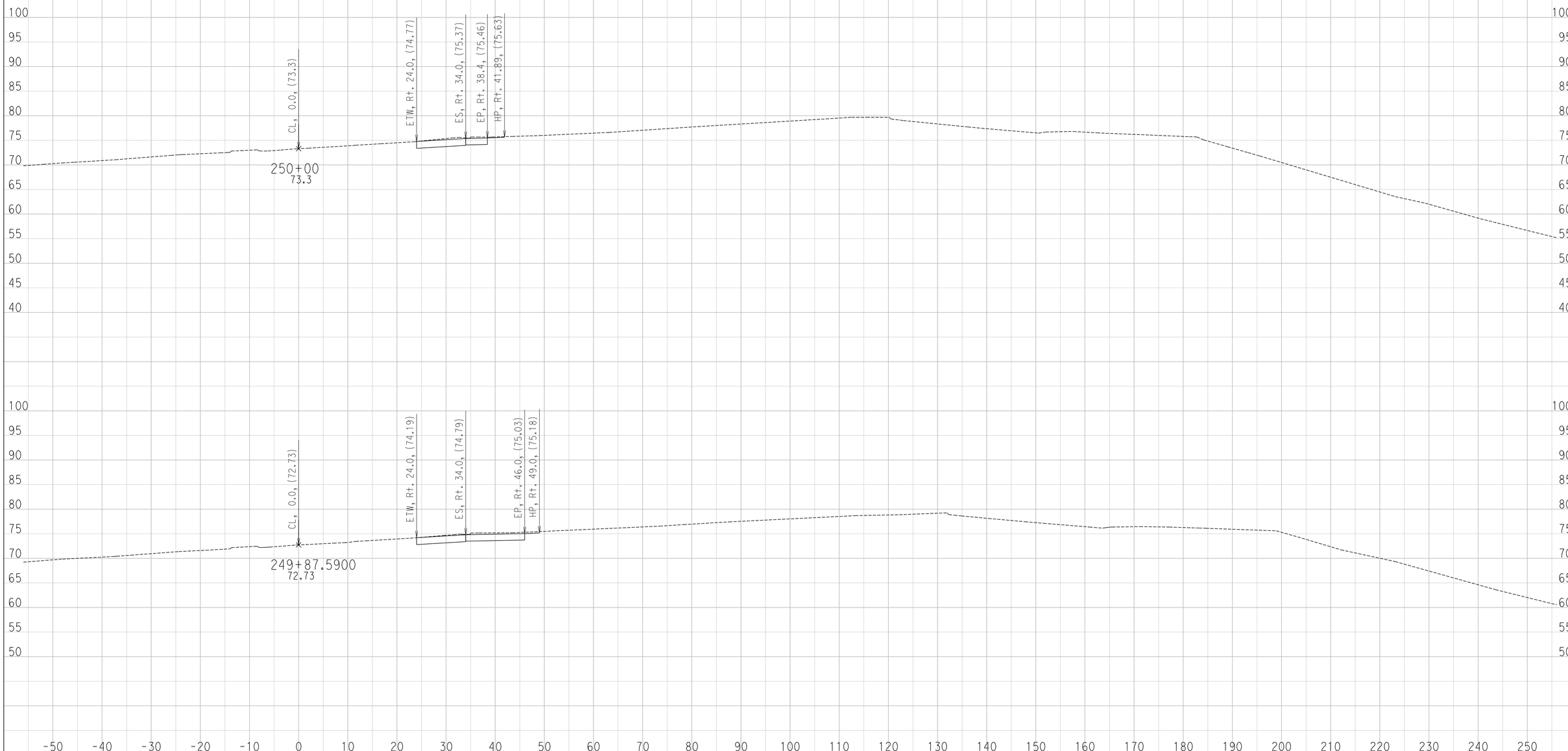
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

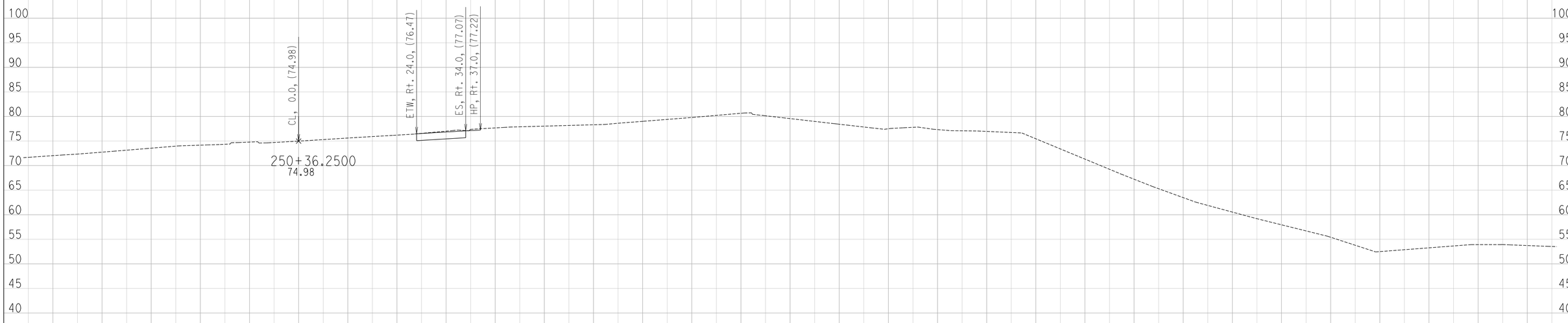
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

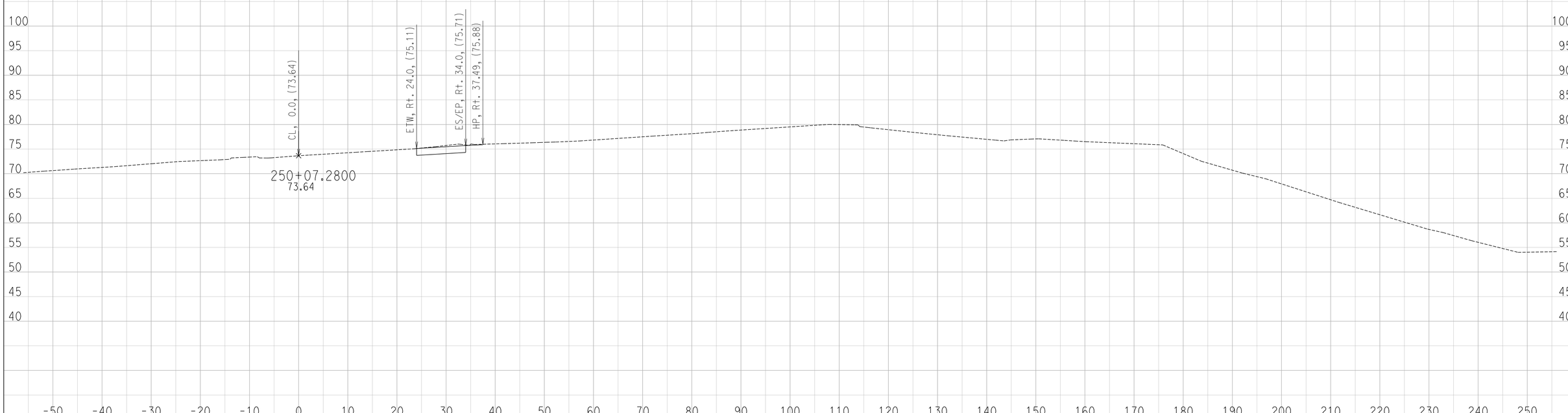
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/27/2016

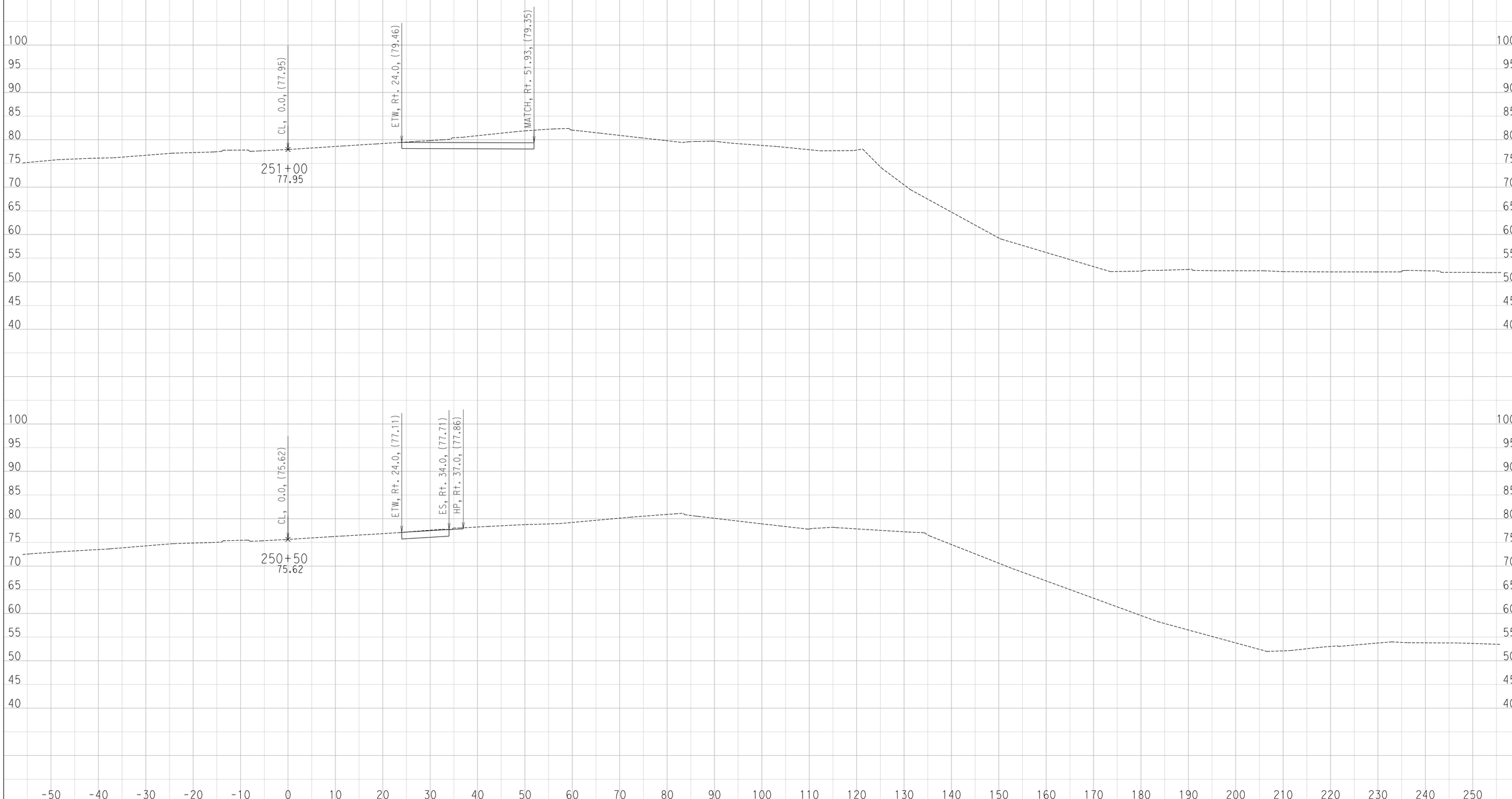
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

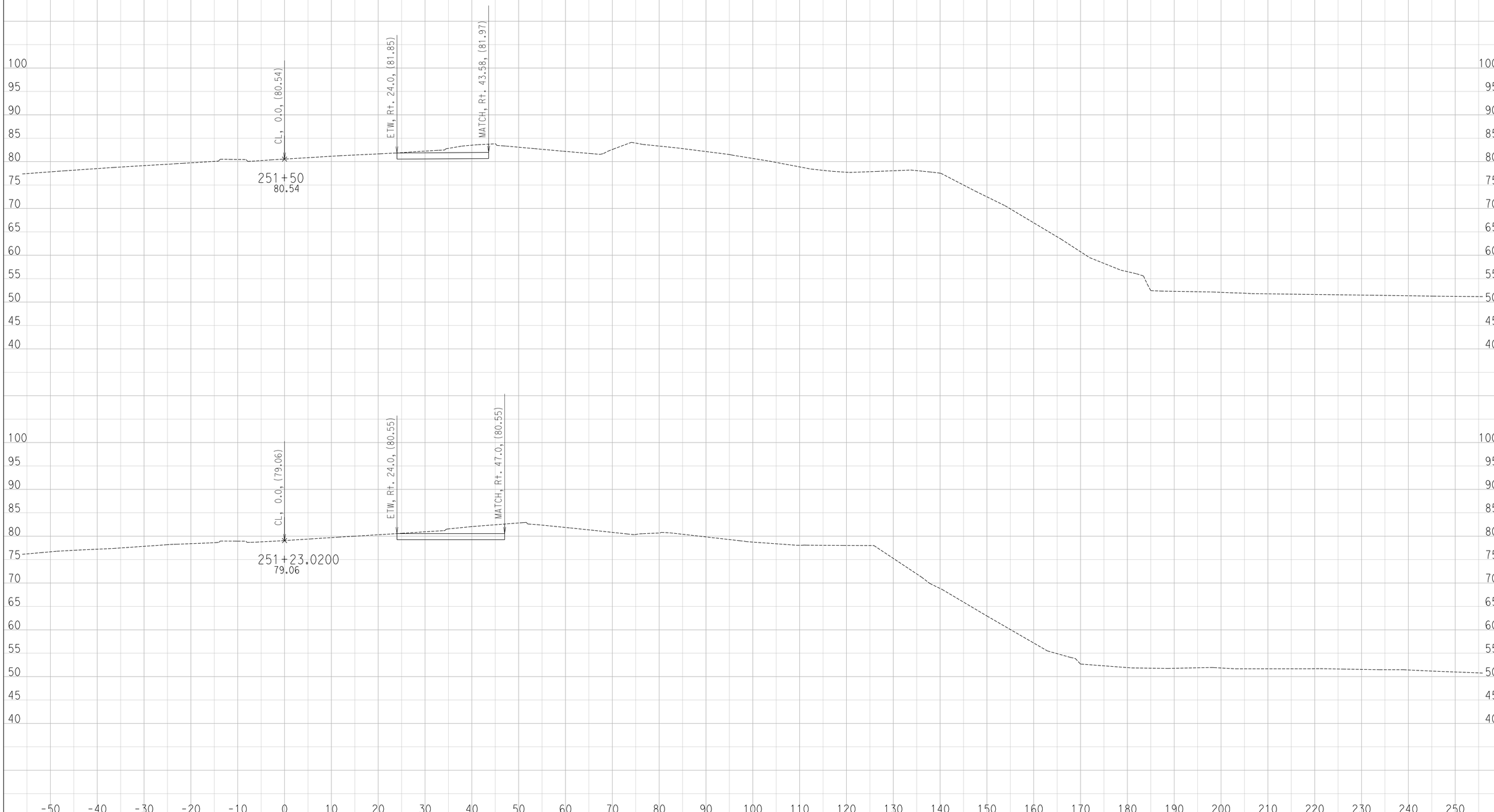
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

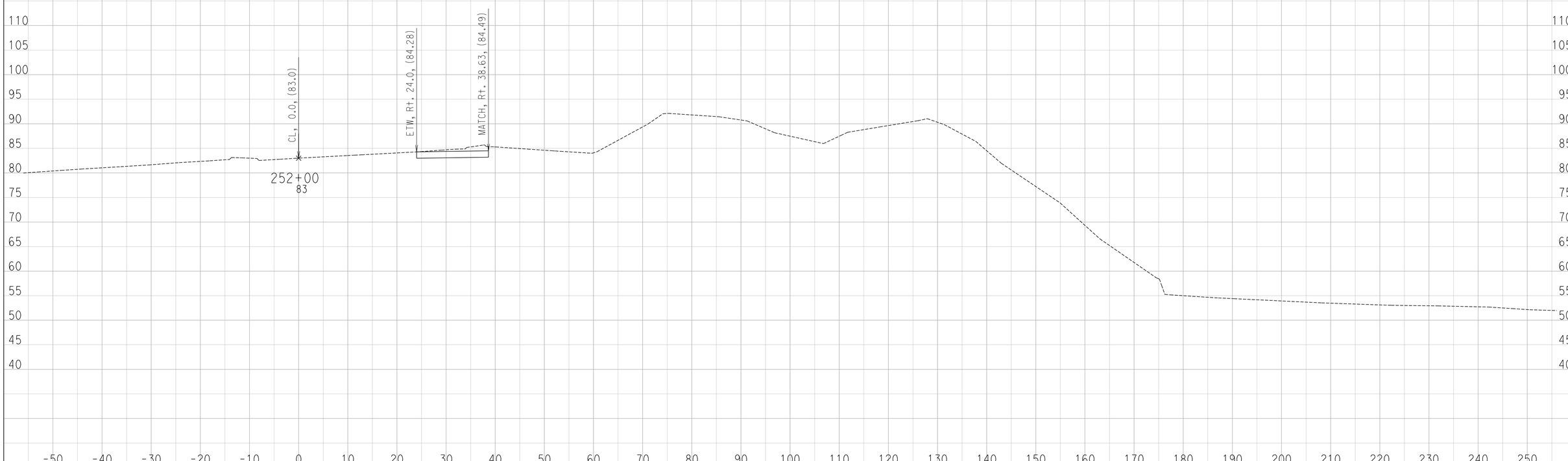
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

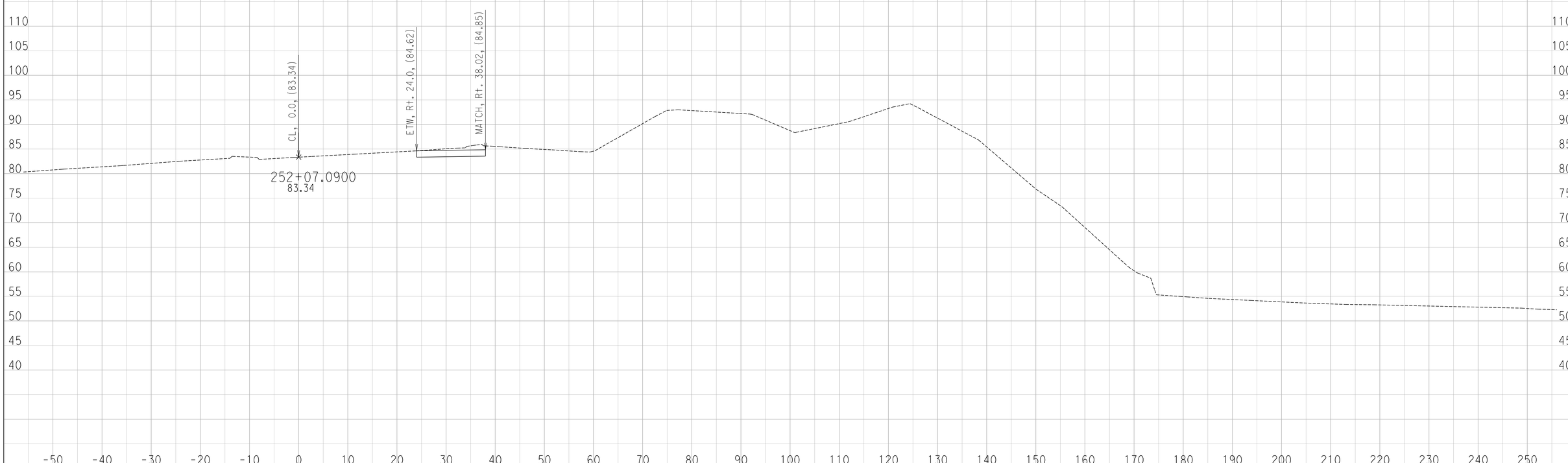
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 31 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

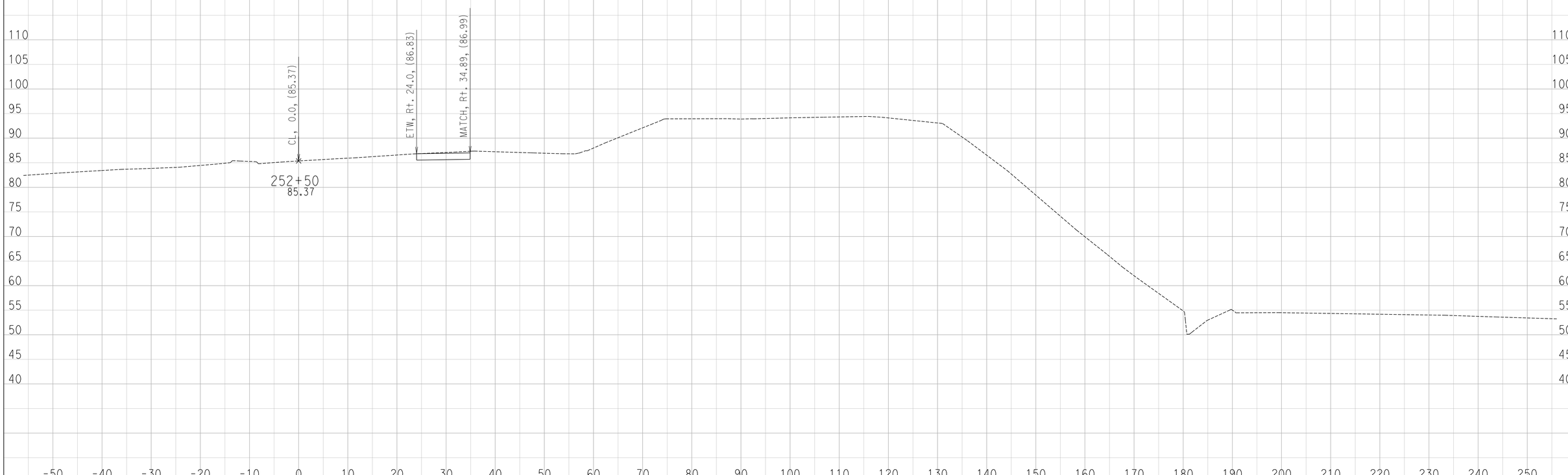
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 32 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 33 OF 53

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

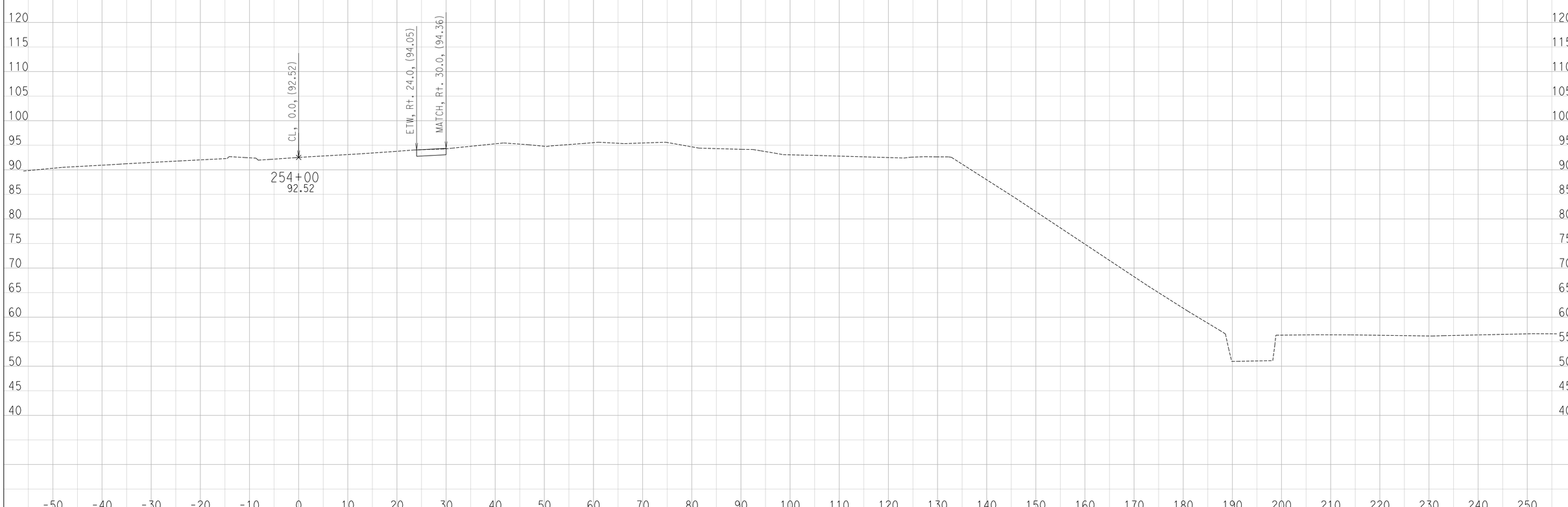
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 35 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

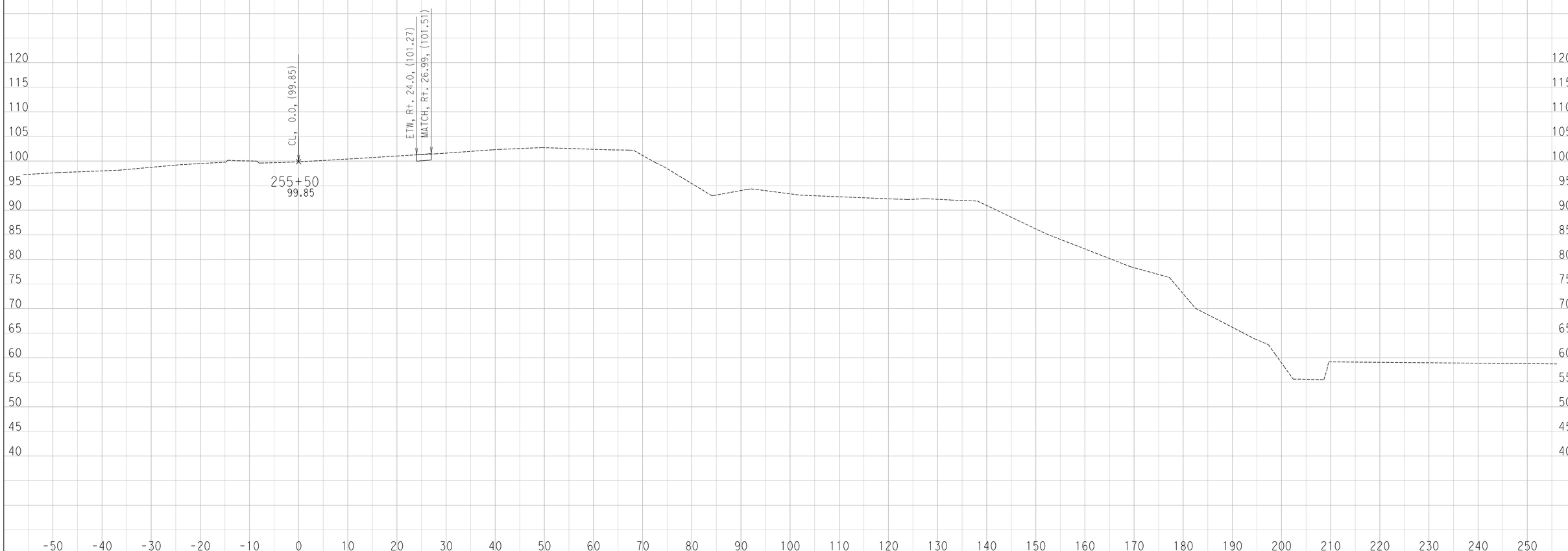
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 40 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 41 OF 53

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

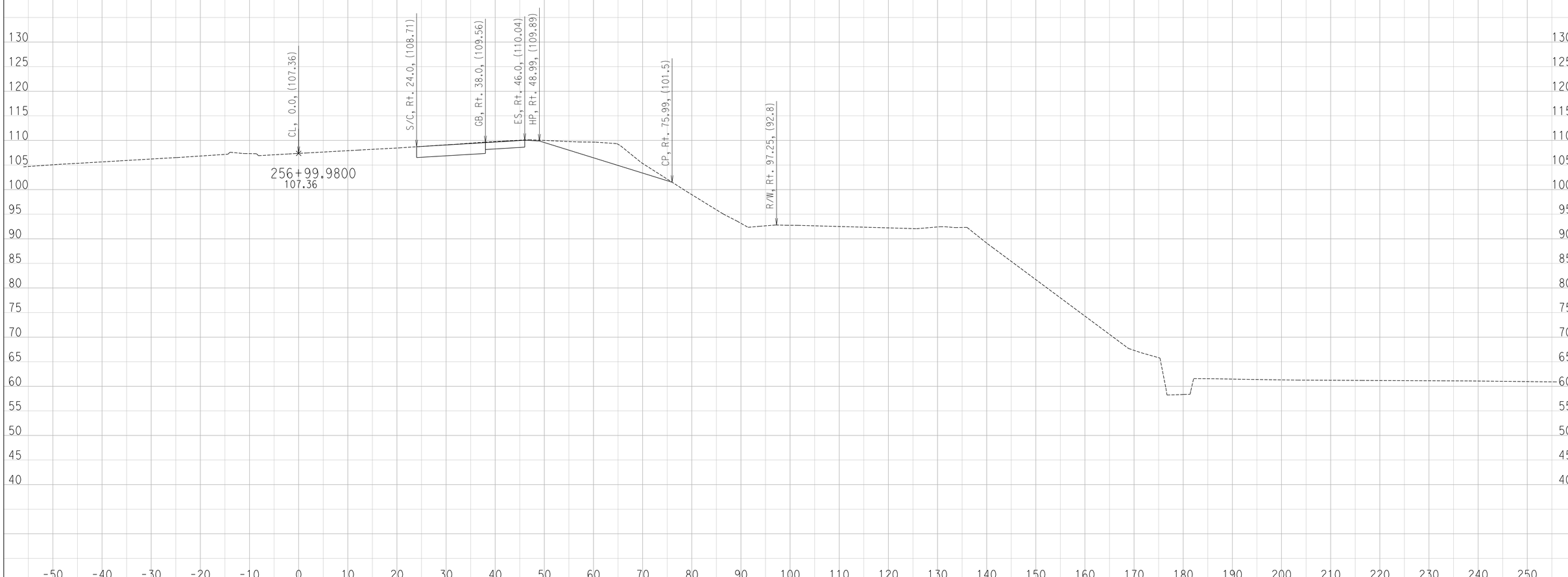
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

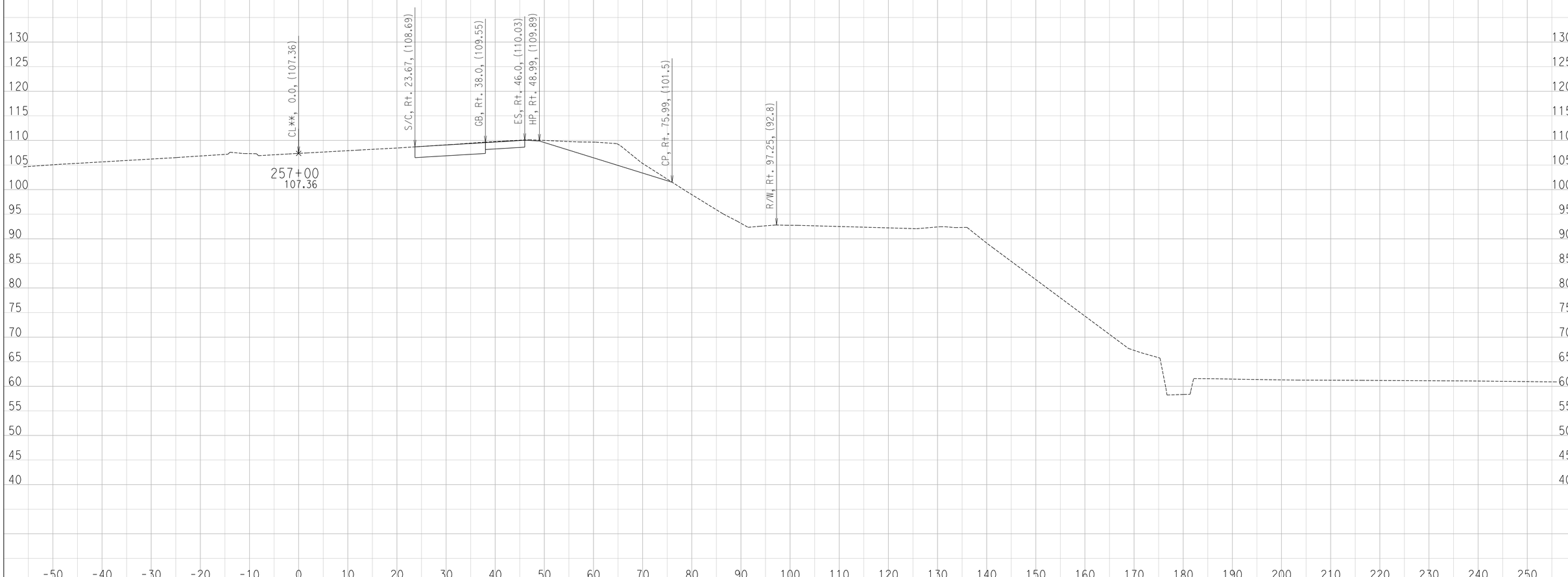
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

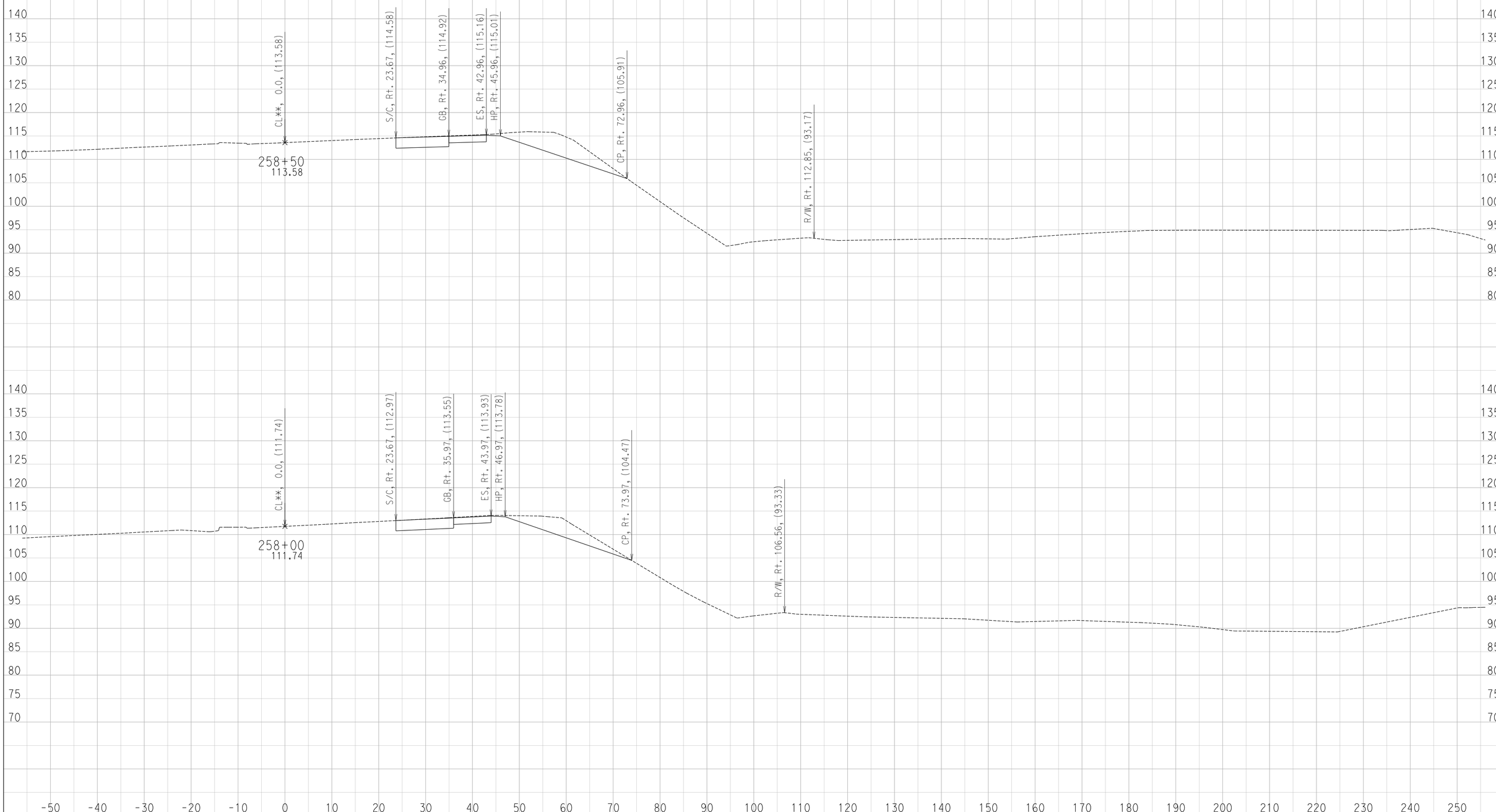
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

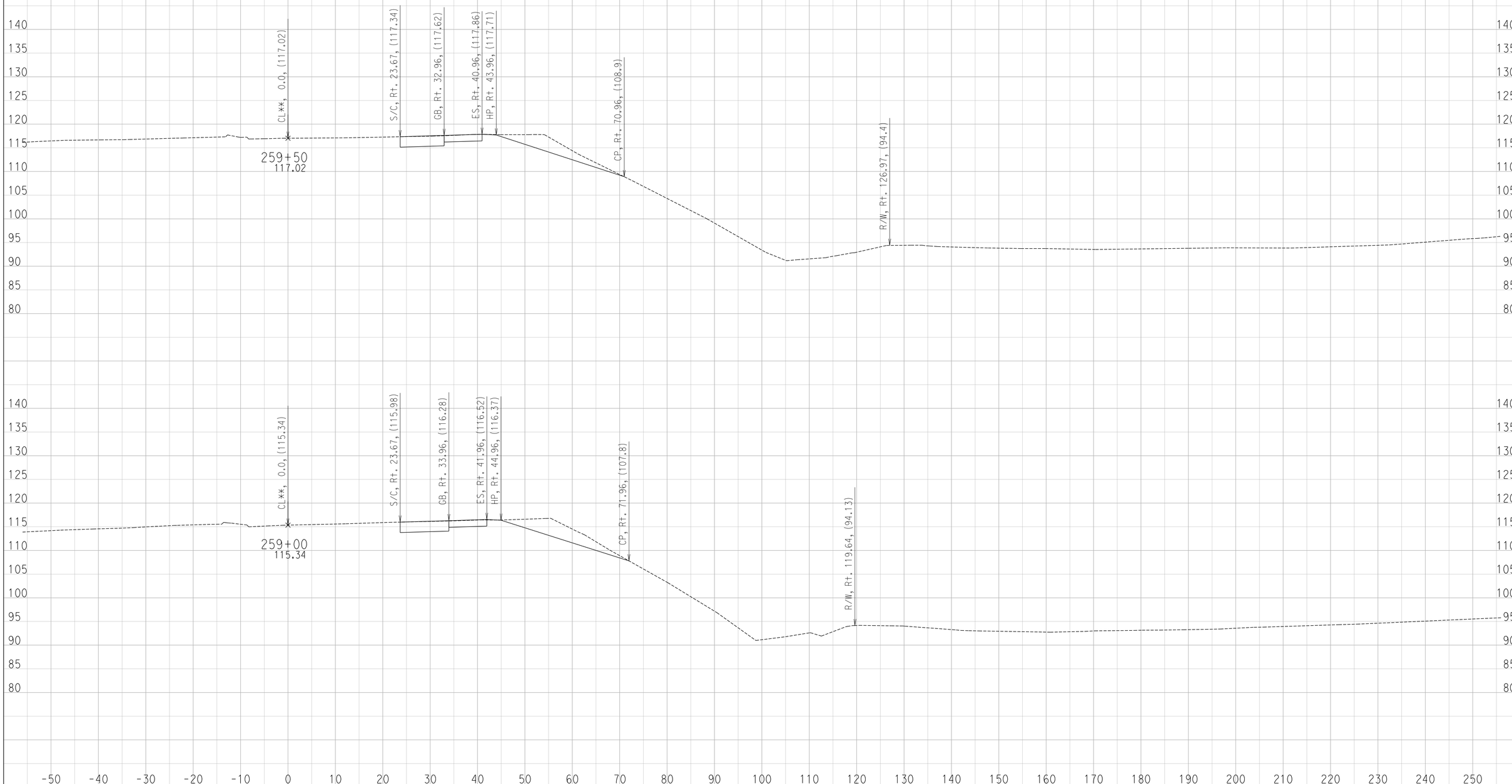
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

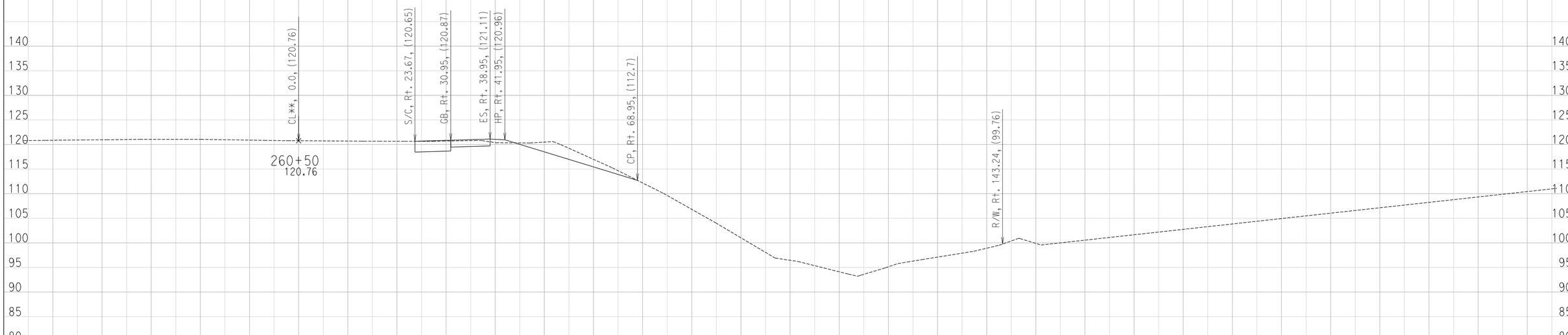
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

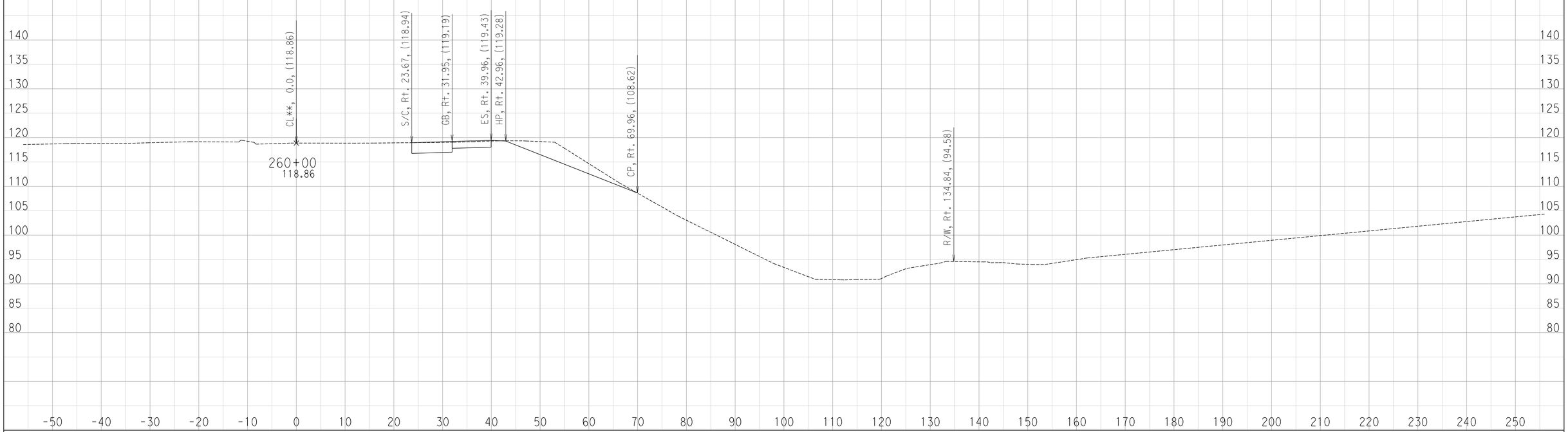
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/27/2016

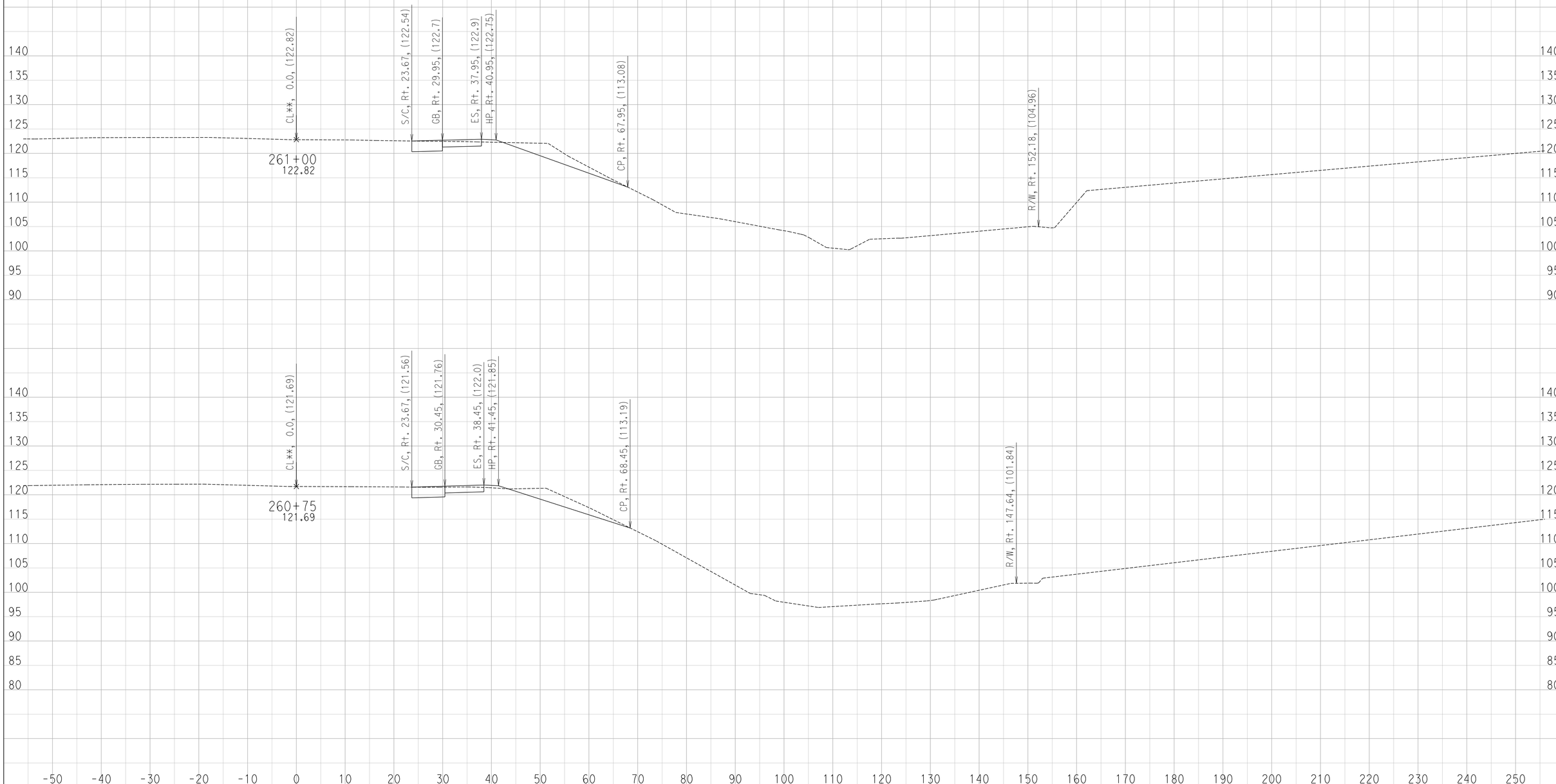
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

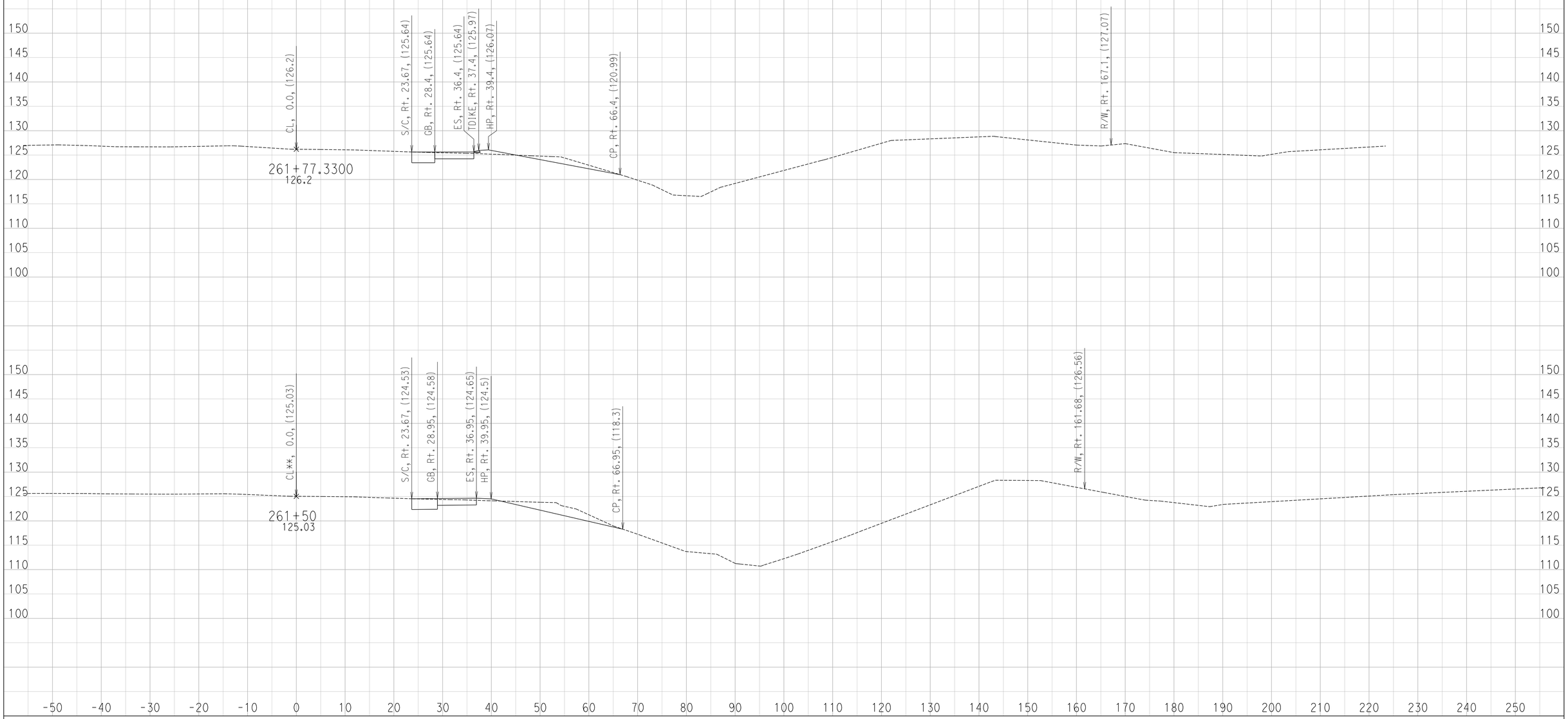
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

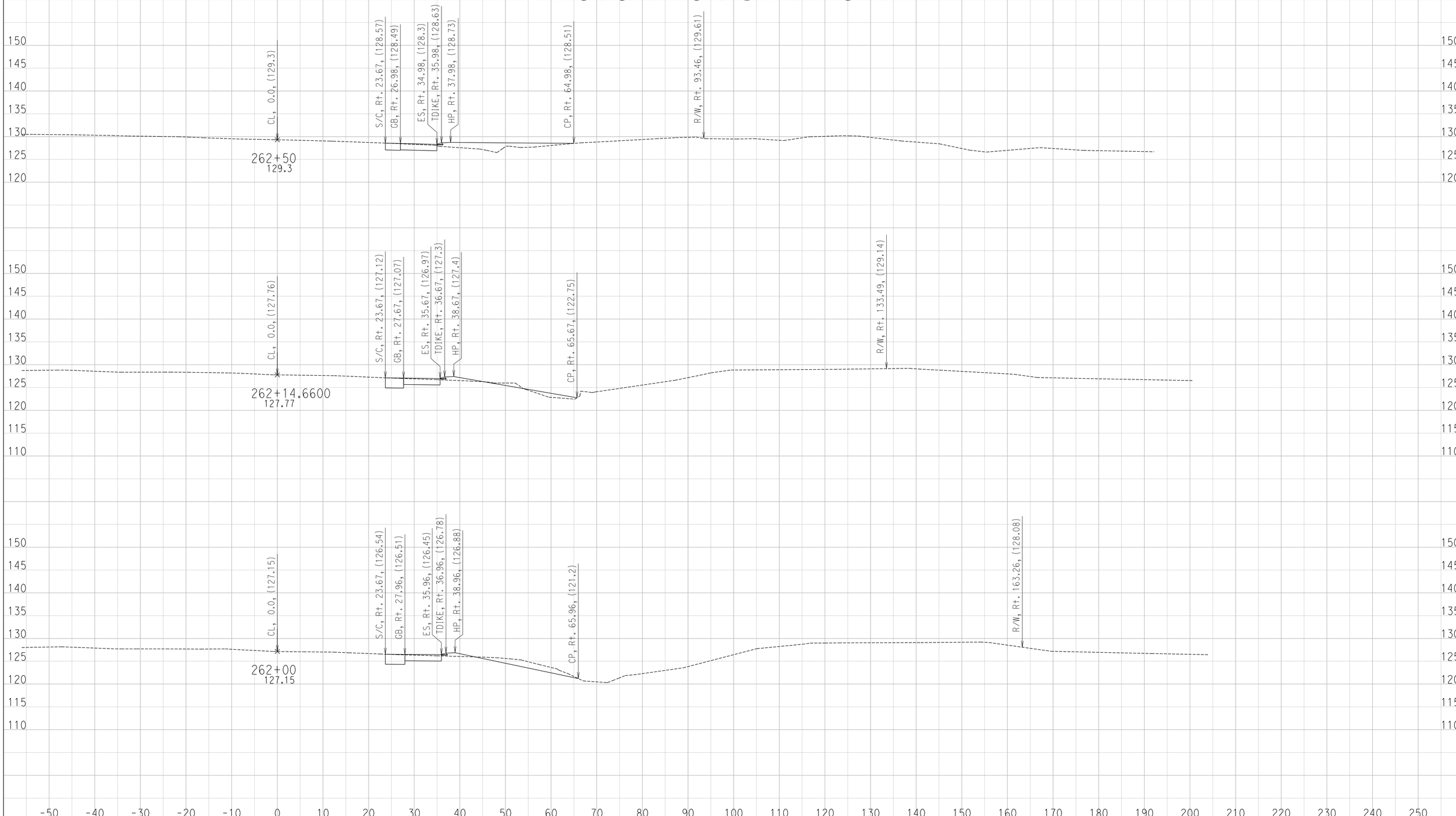
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

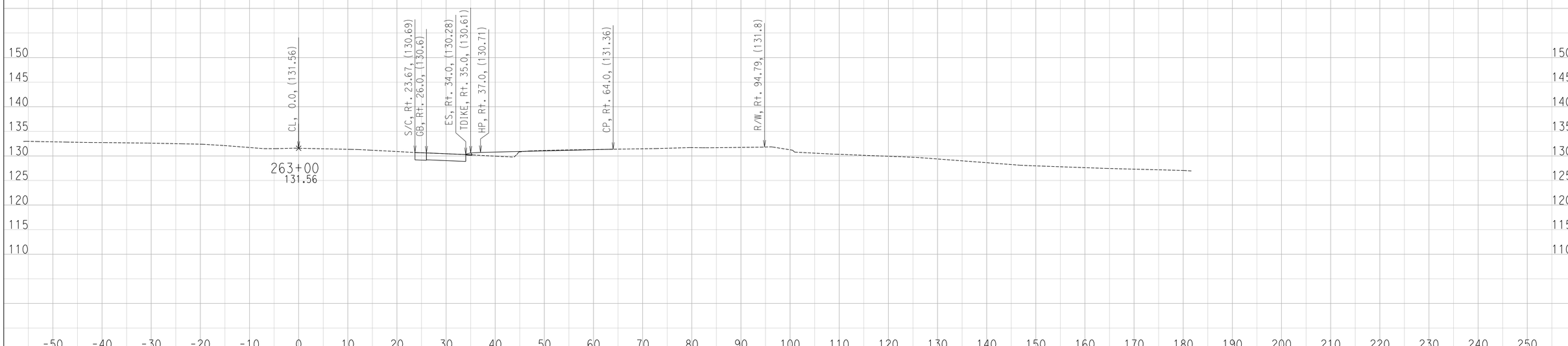
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

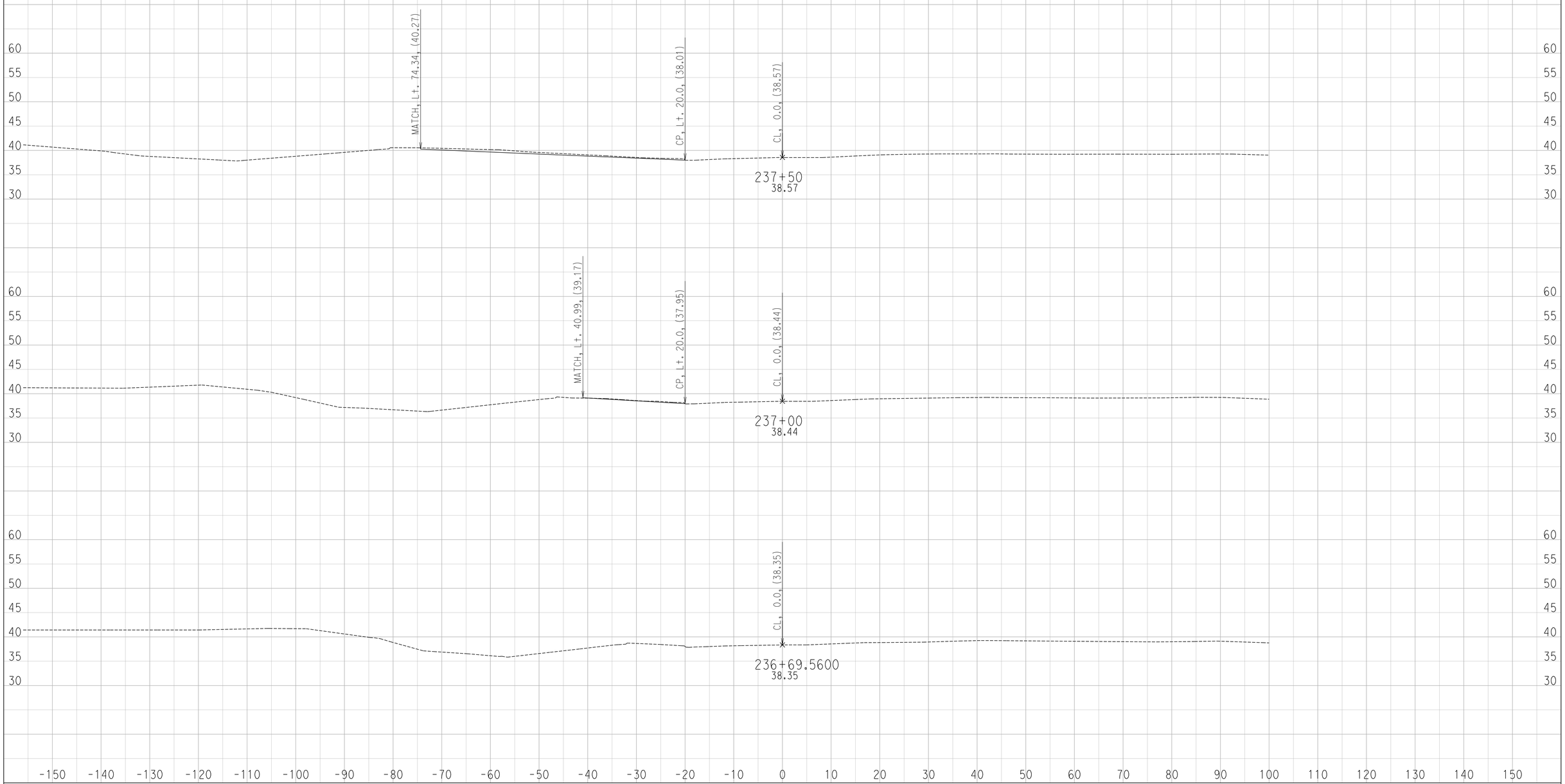
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CE
CROSS SECTIONS
SHEET 53 OF 53

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

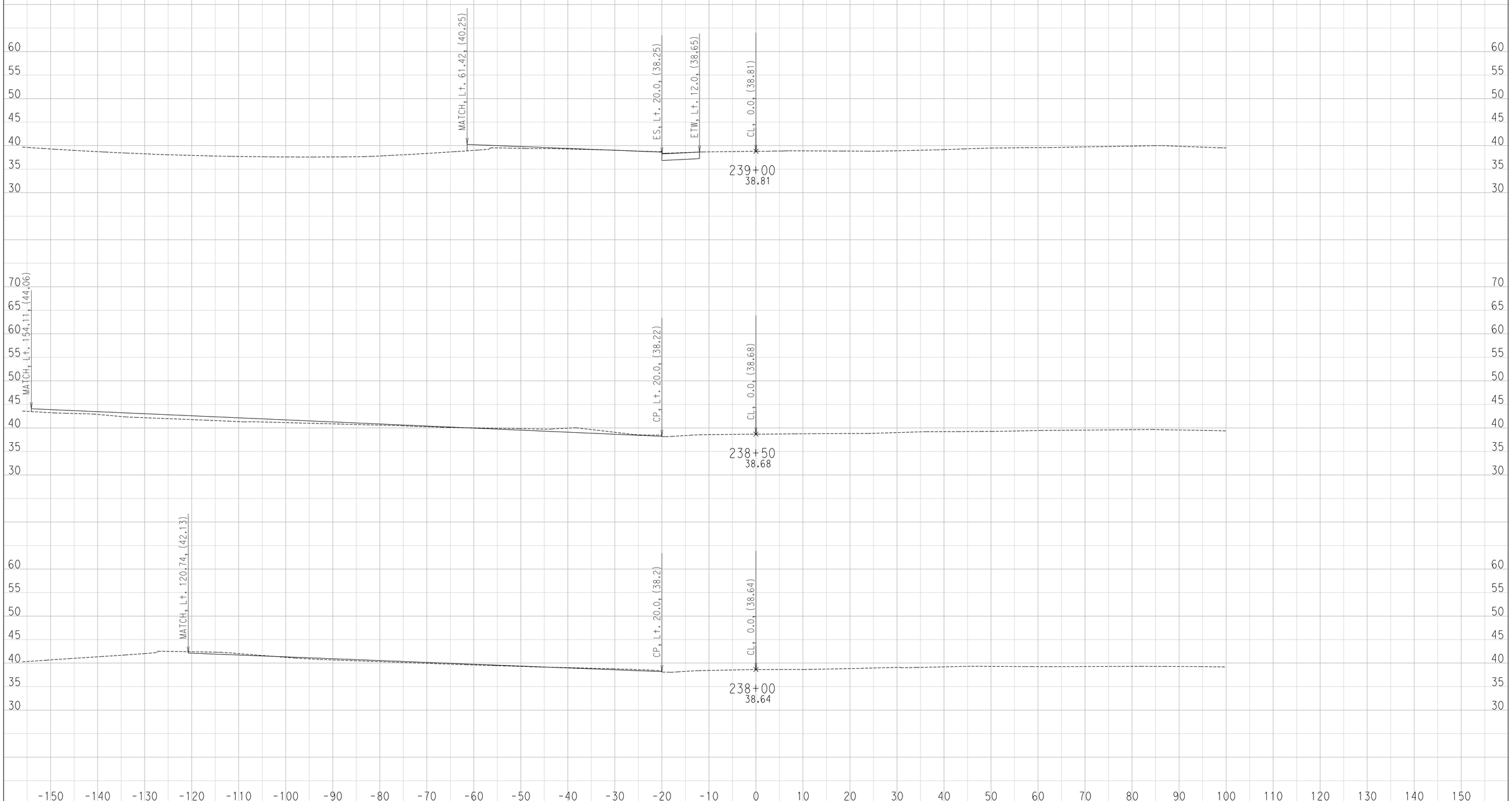
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 1 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

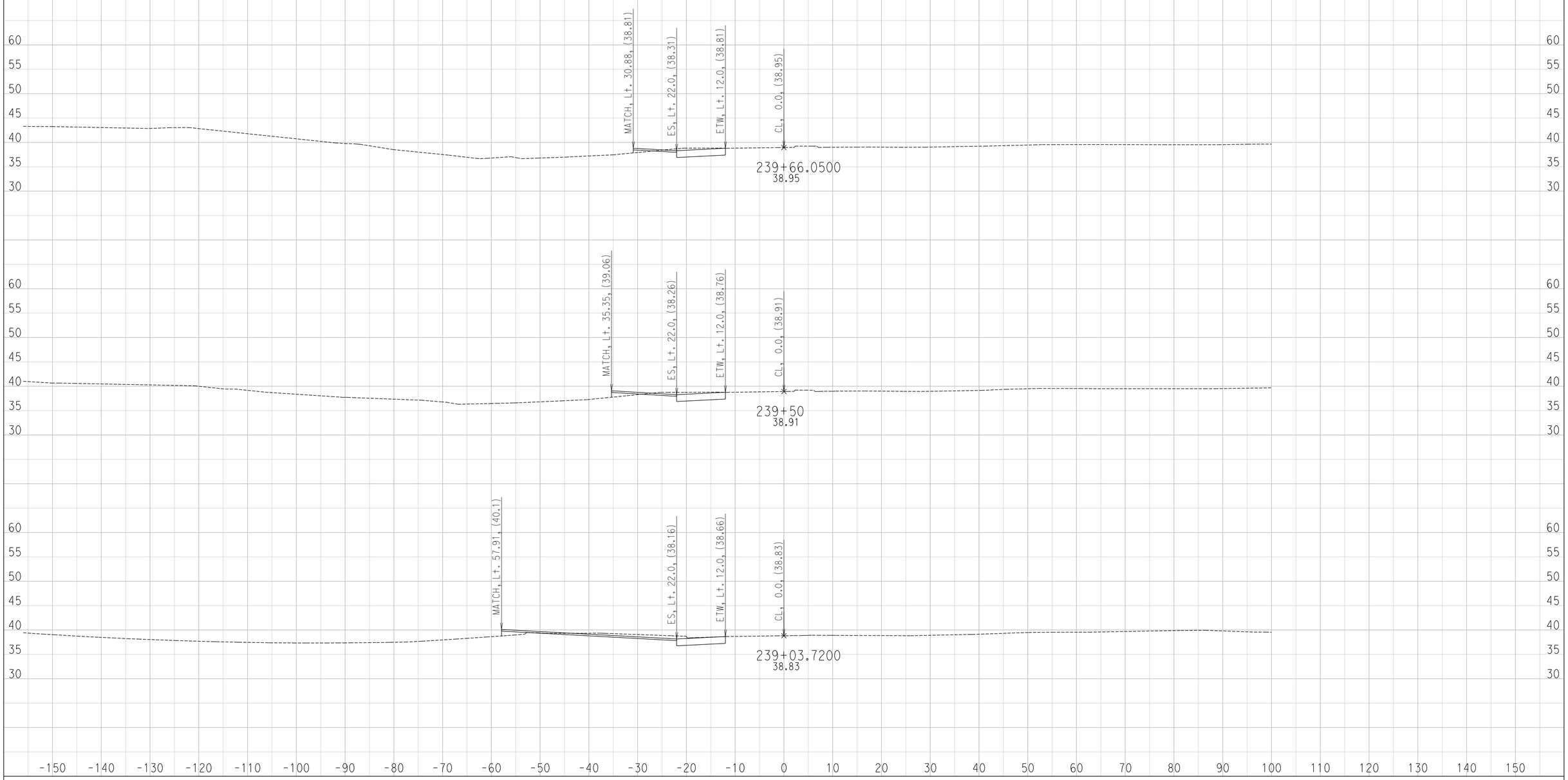
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 2 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

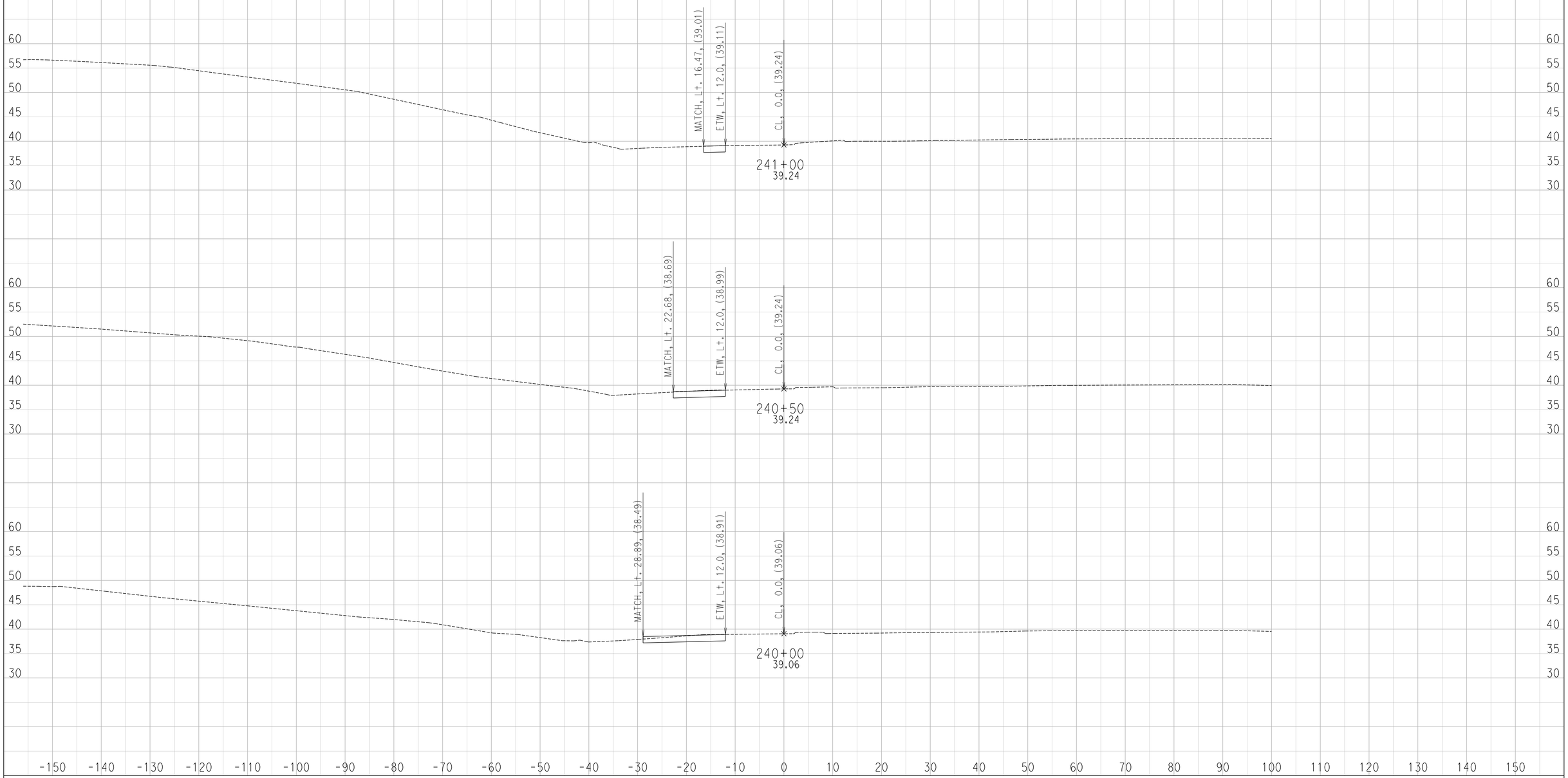
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 3 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

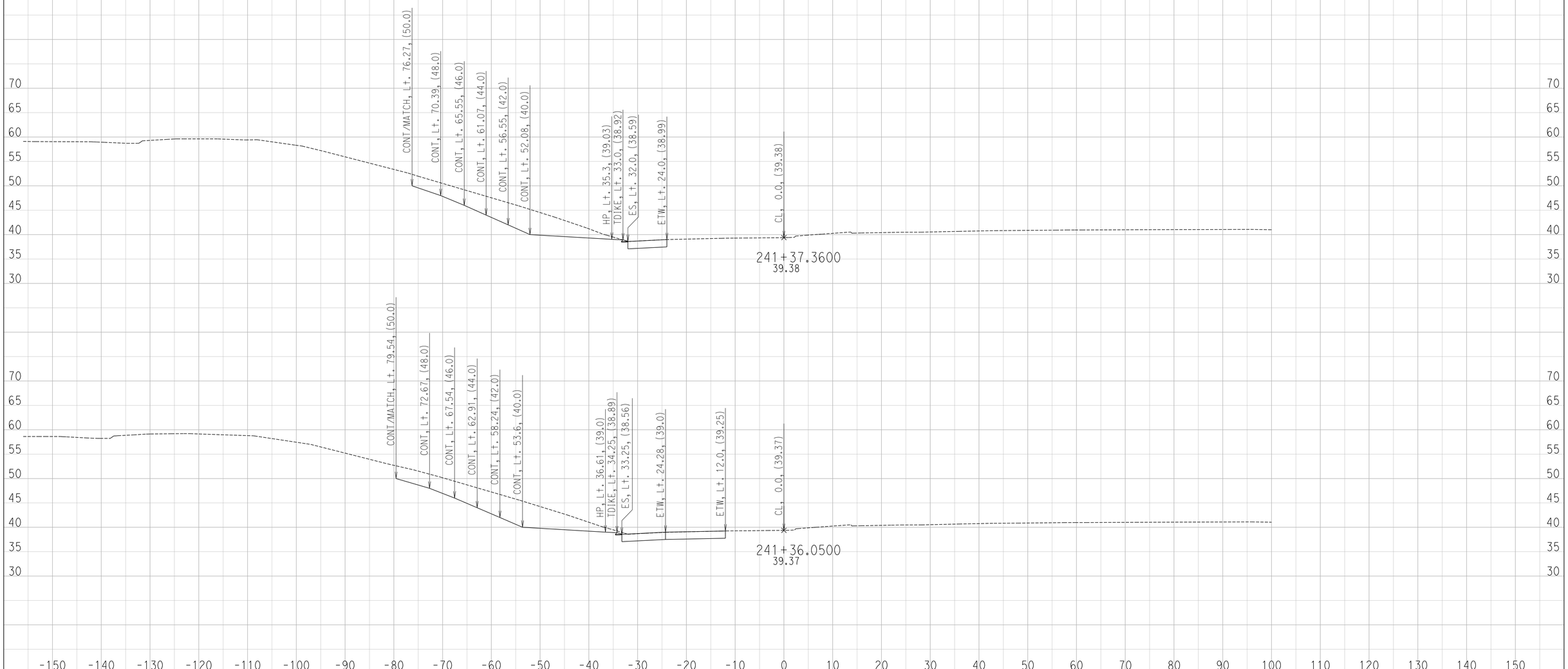
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 4 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

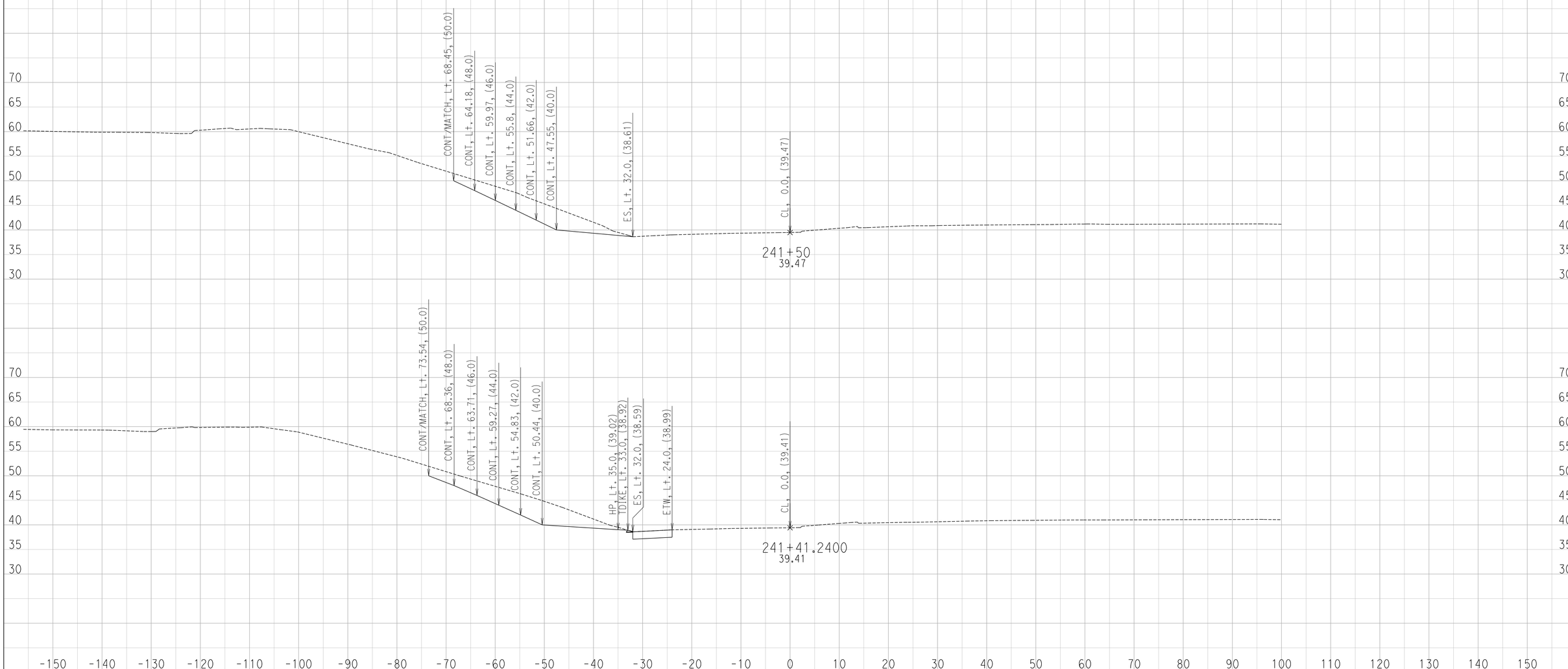
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 5 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

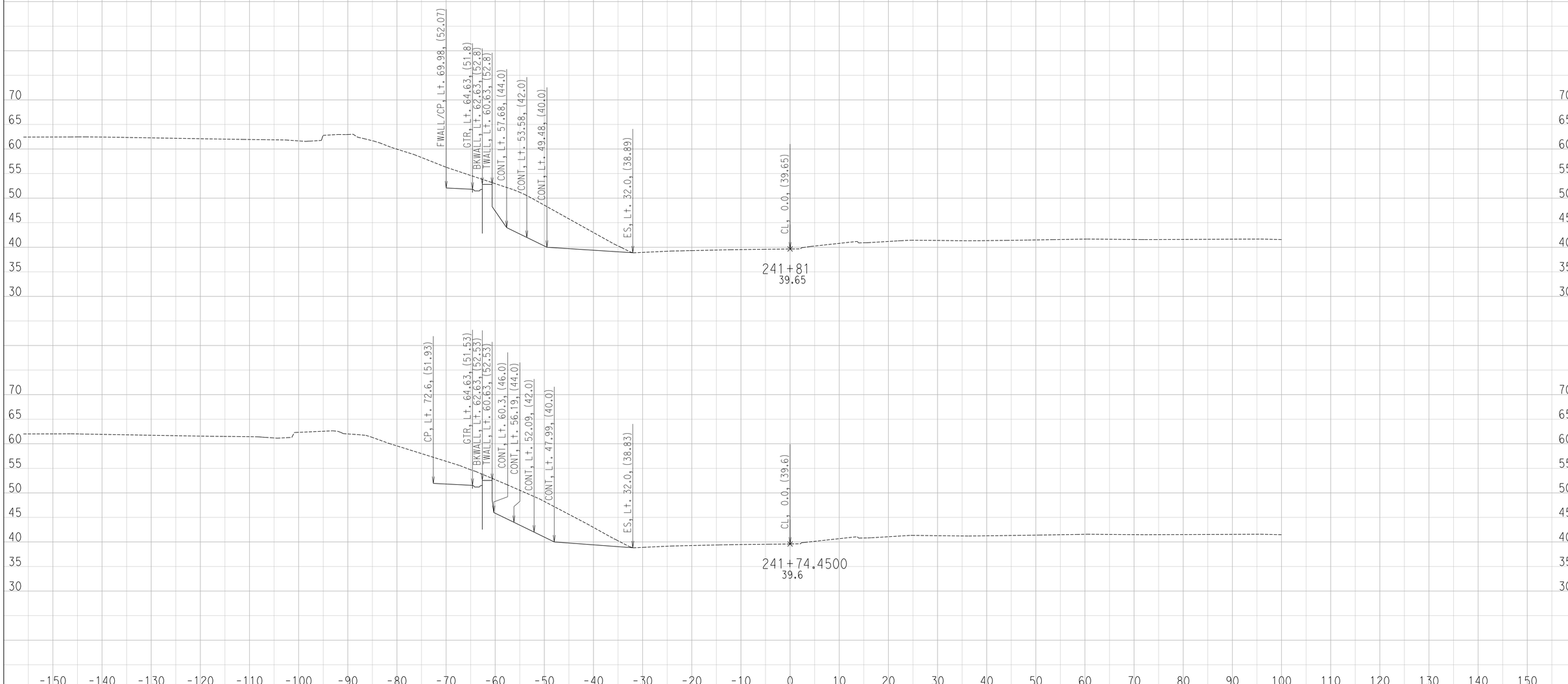
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 6 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

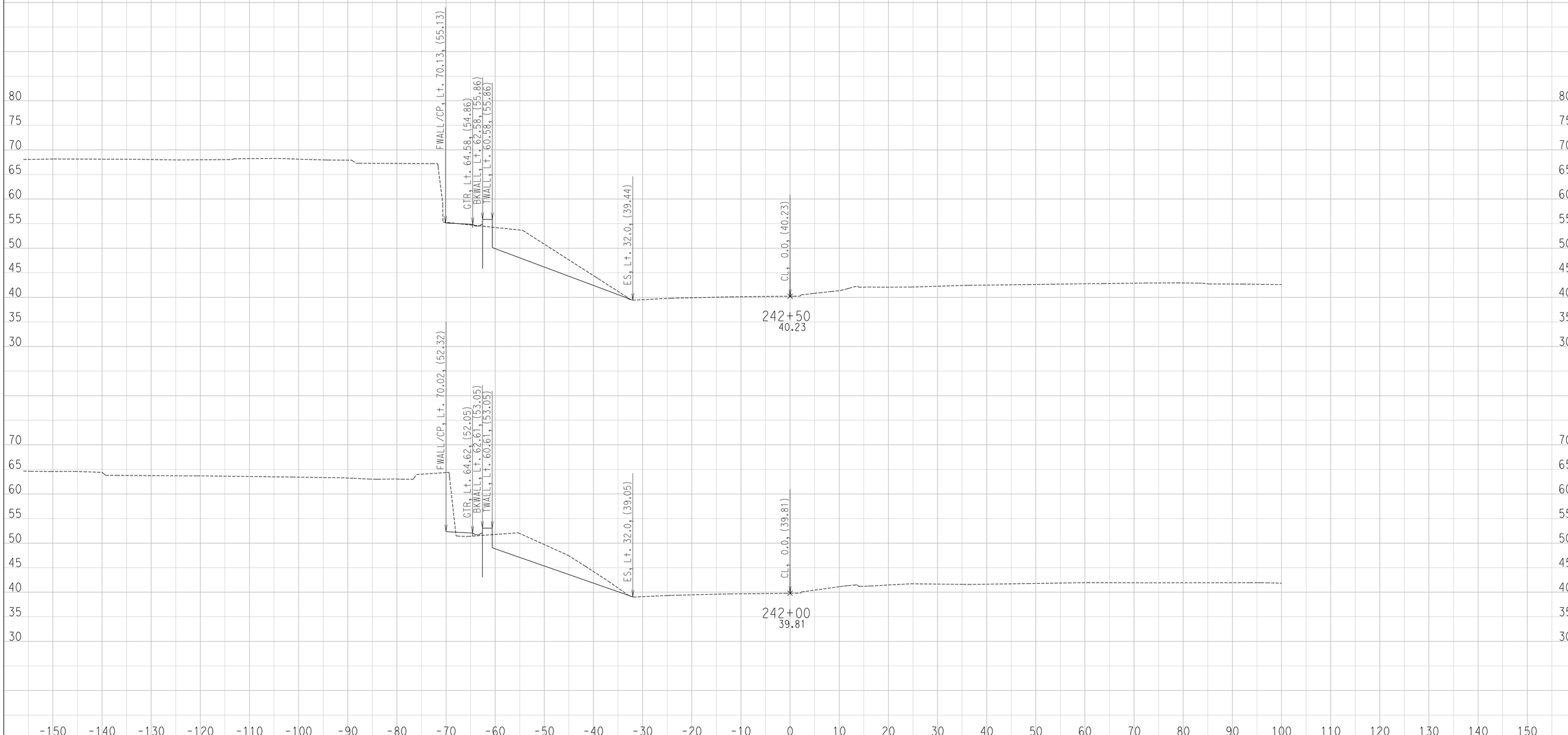
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 7 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

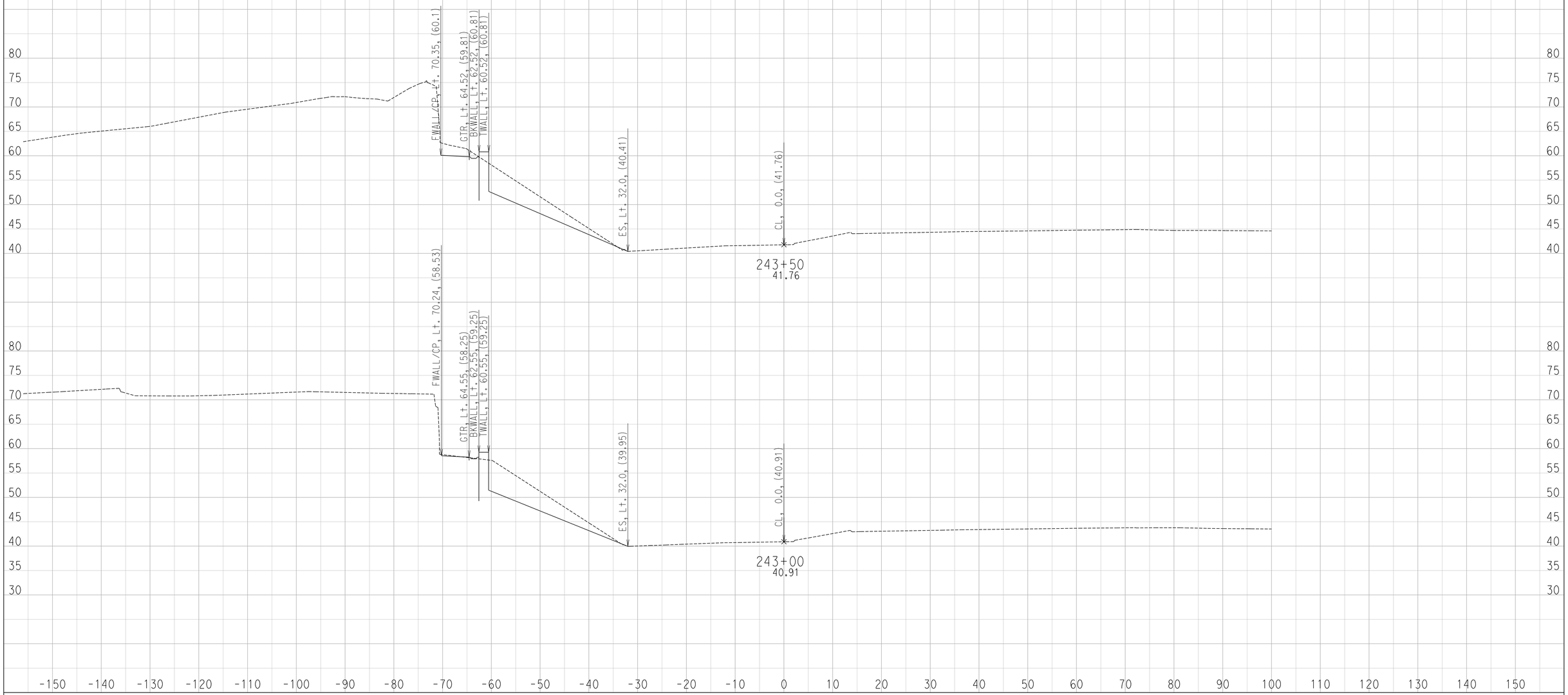
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 8 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

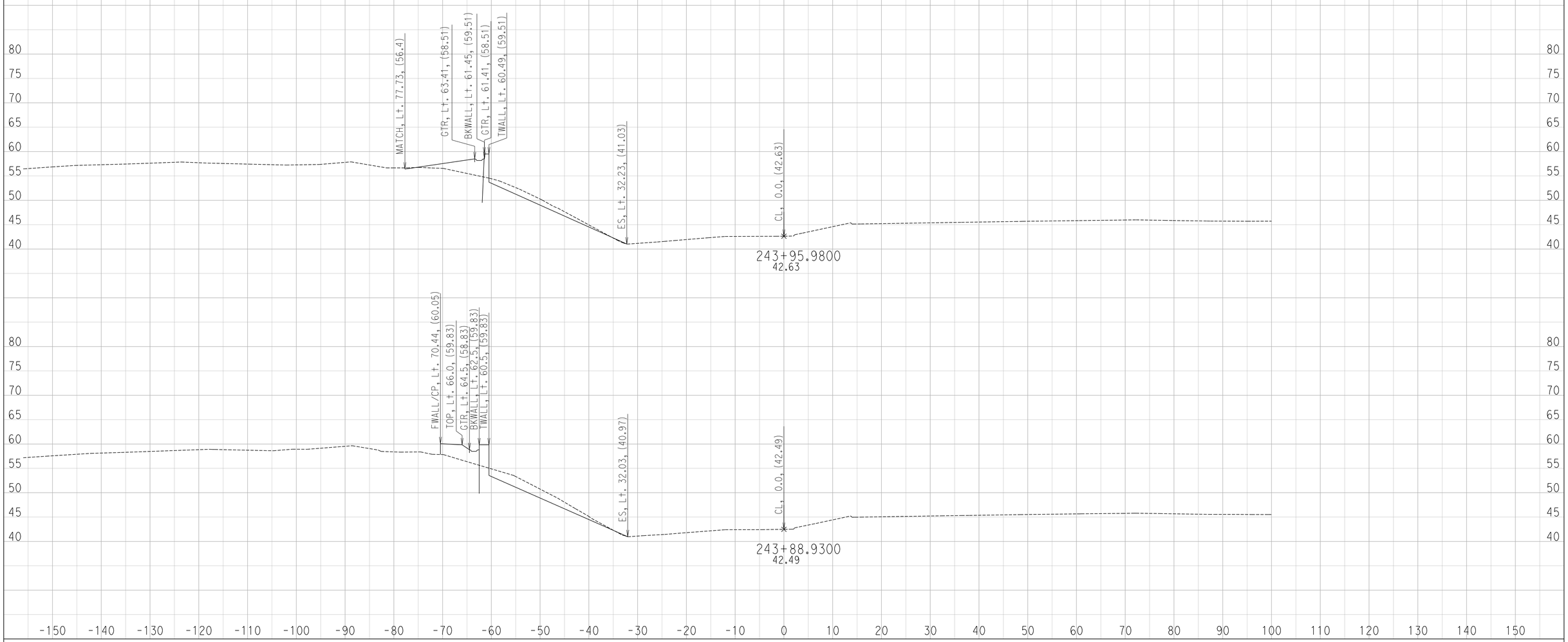
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 9 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

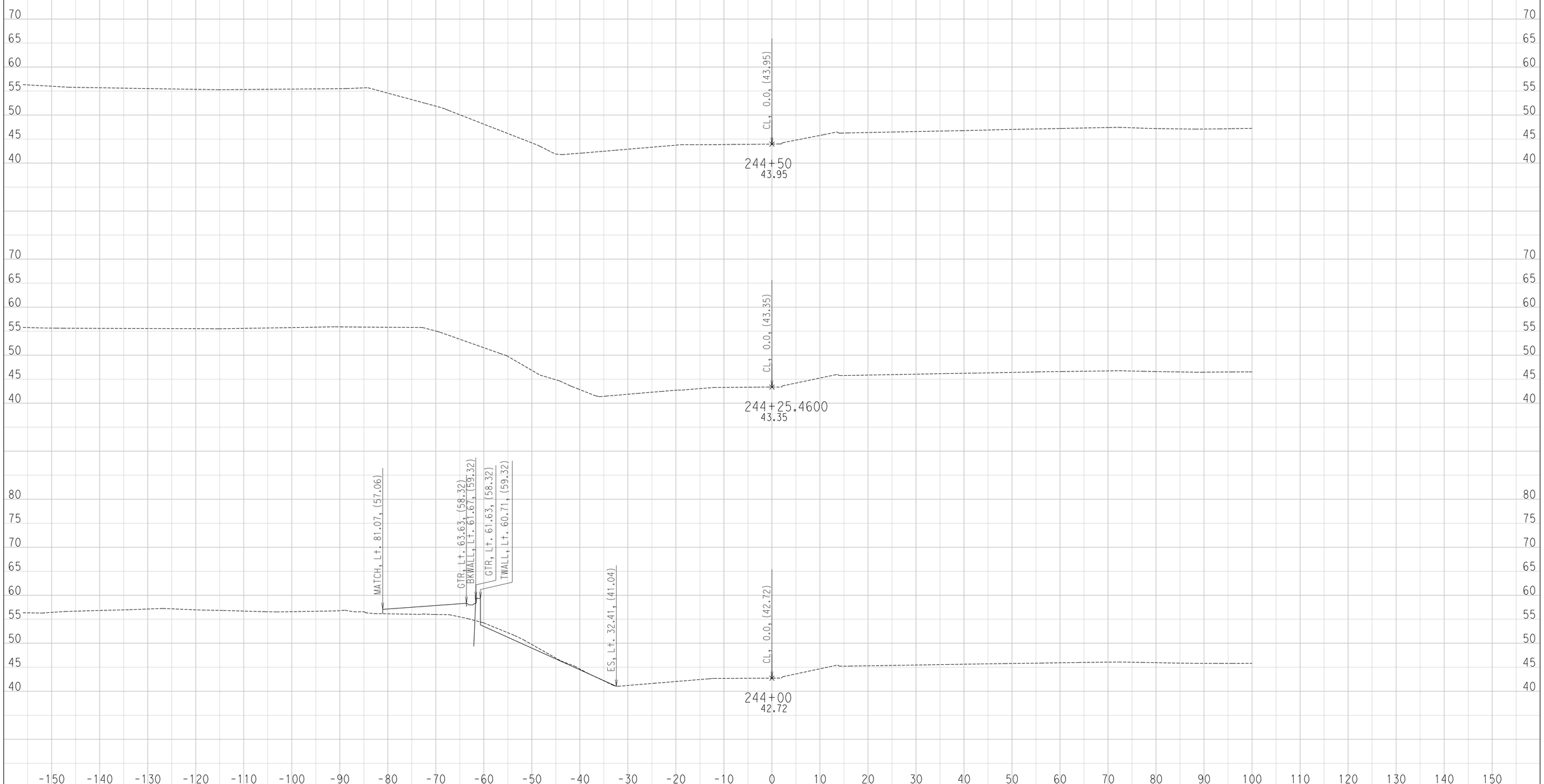
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 10 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

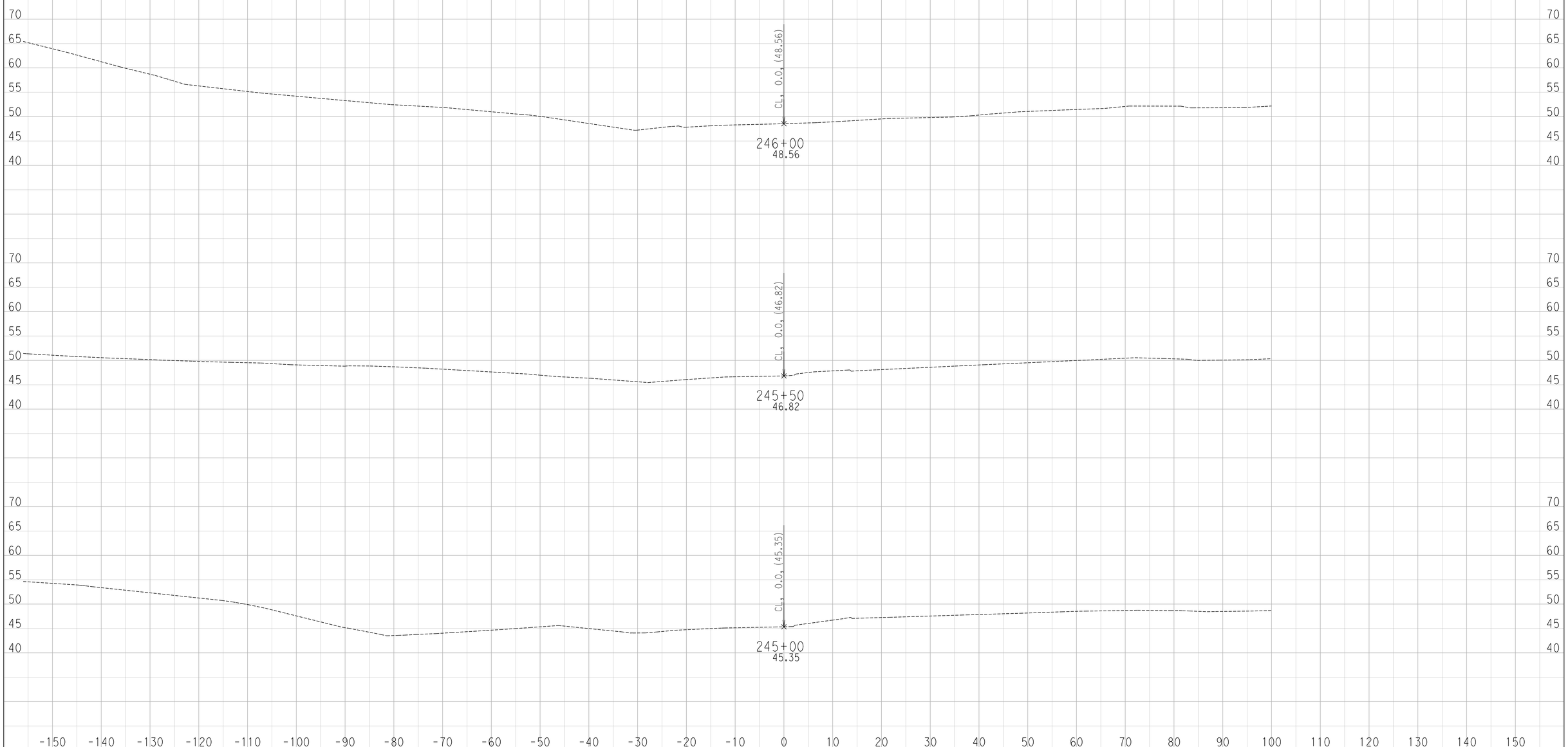
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 11 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

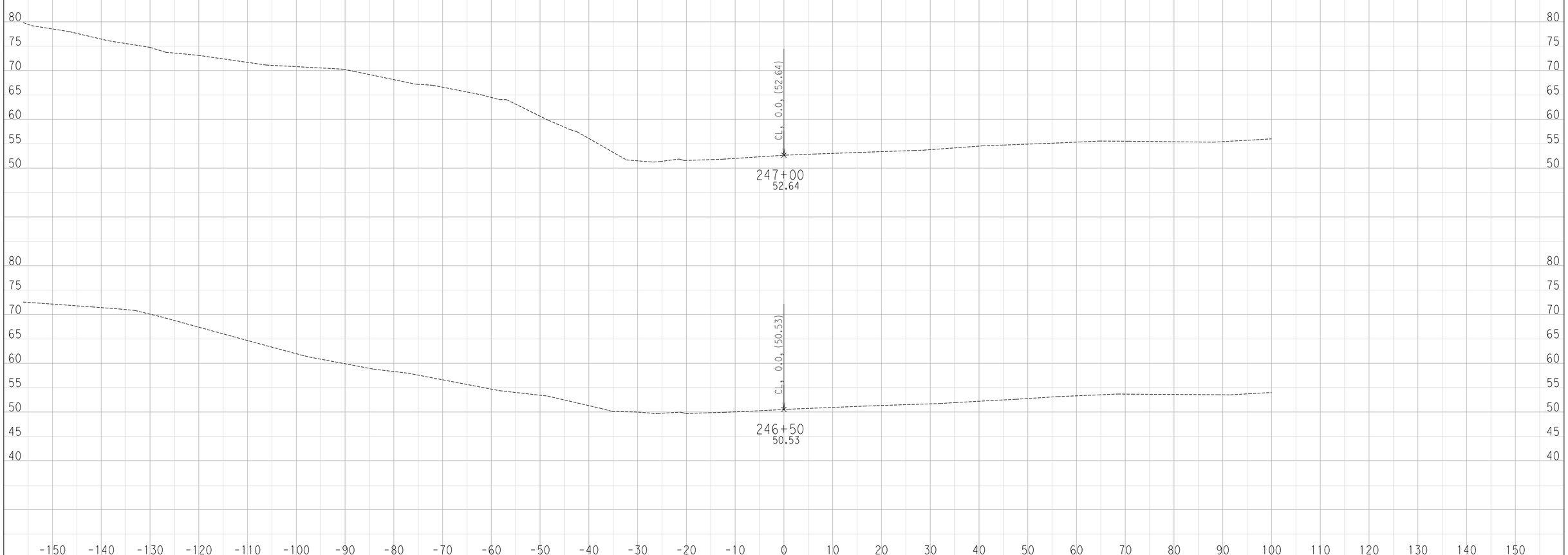
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 13 OF 18

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

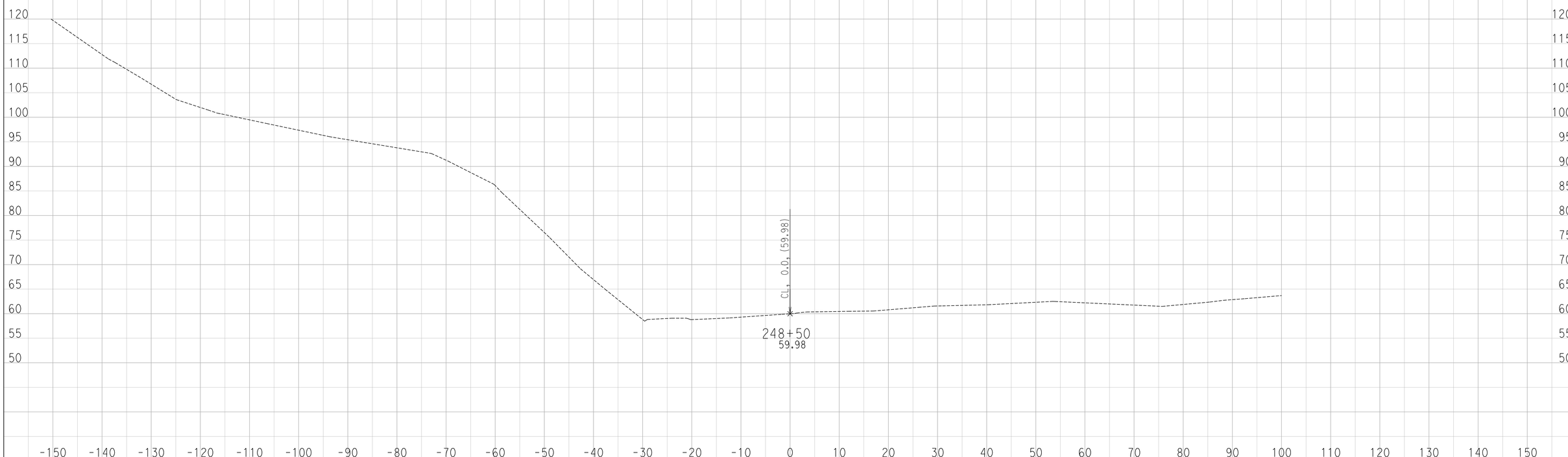
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 14 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 15 OF 18

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 16 OF 18

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/27/2016

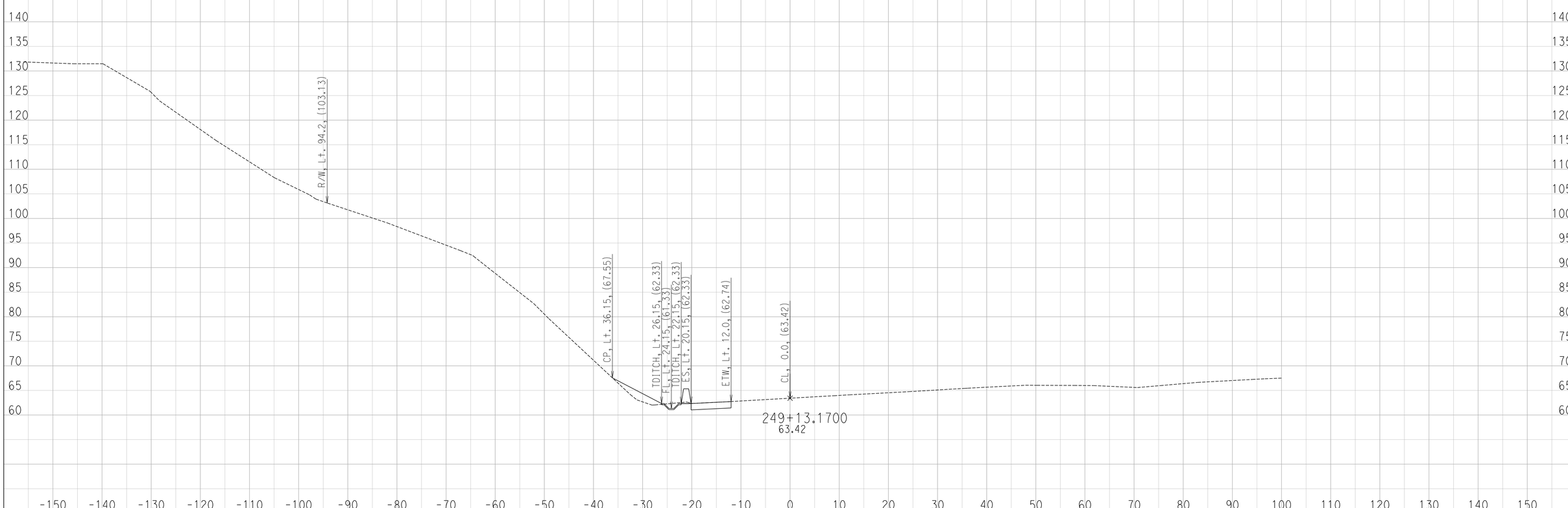
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 17 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/27/2016

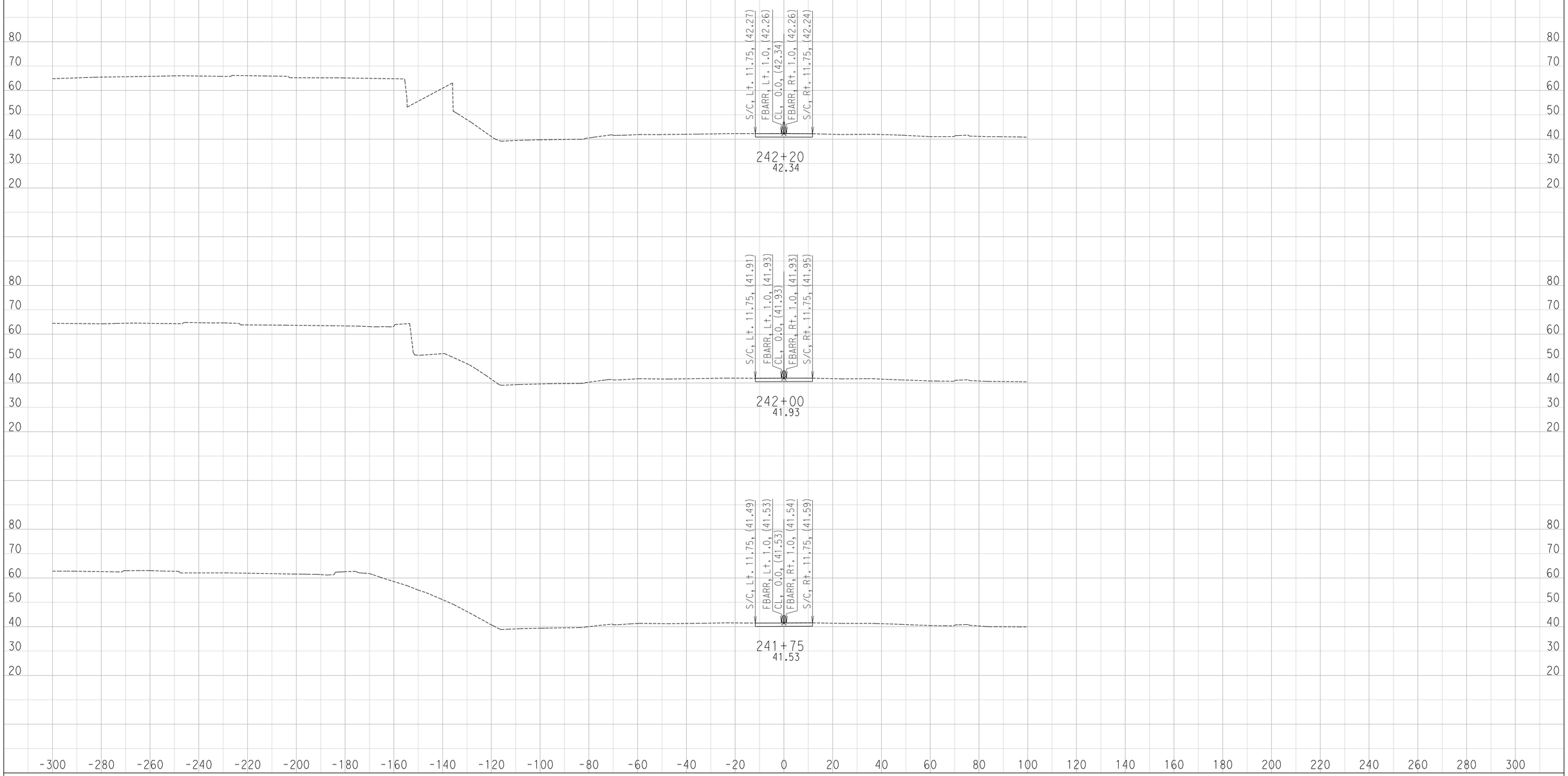
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

CW
CROSS SECTIONS
SHEET 18 OF 18

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

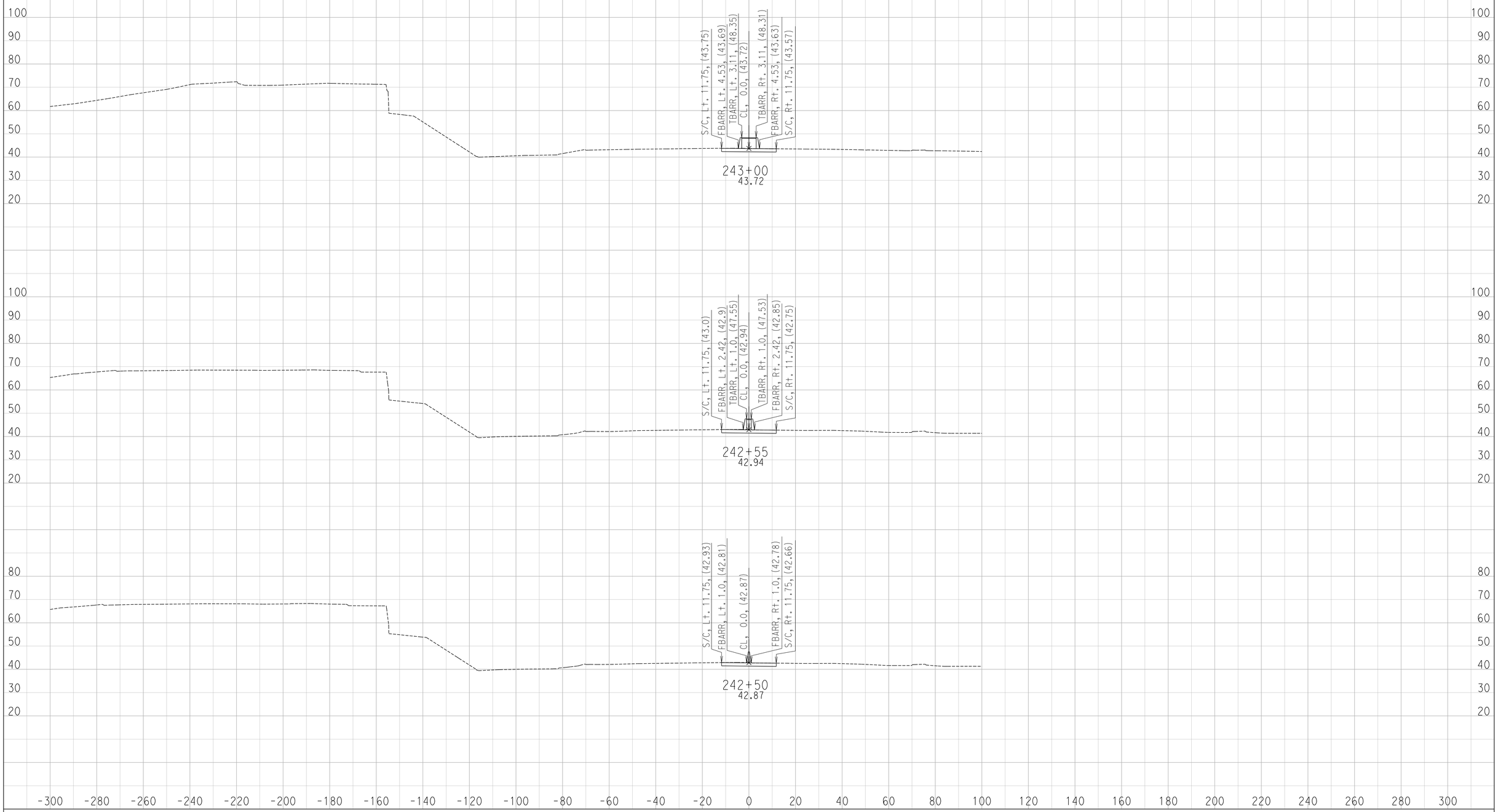
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

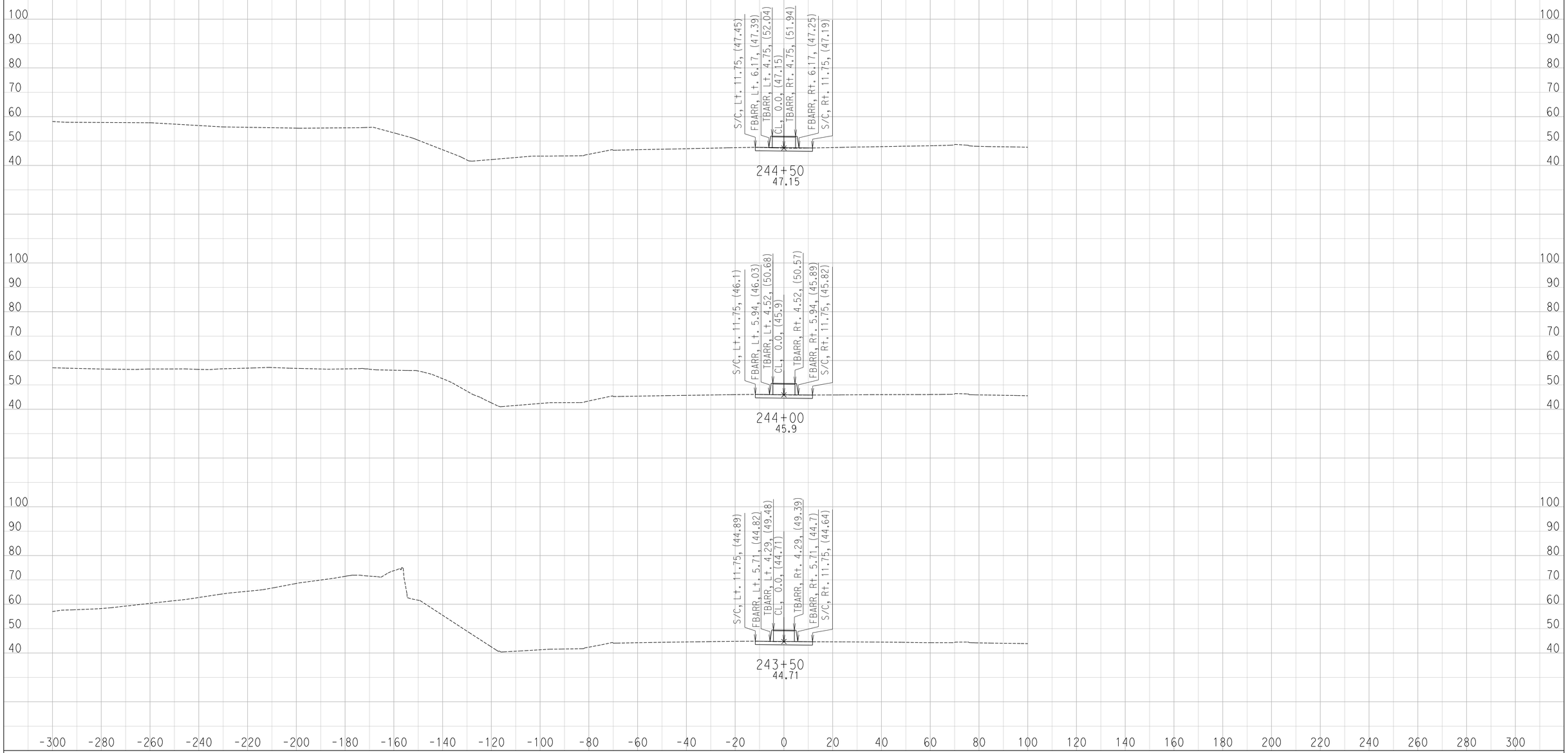
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS
SHEET 2 OF 34

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

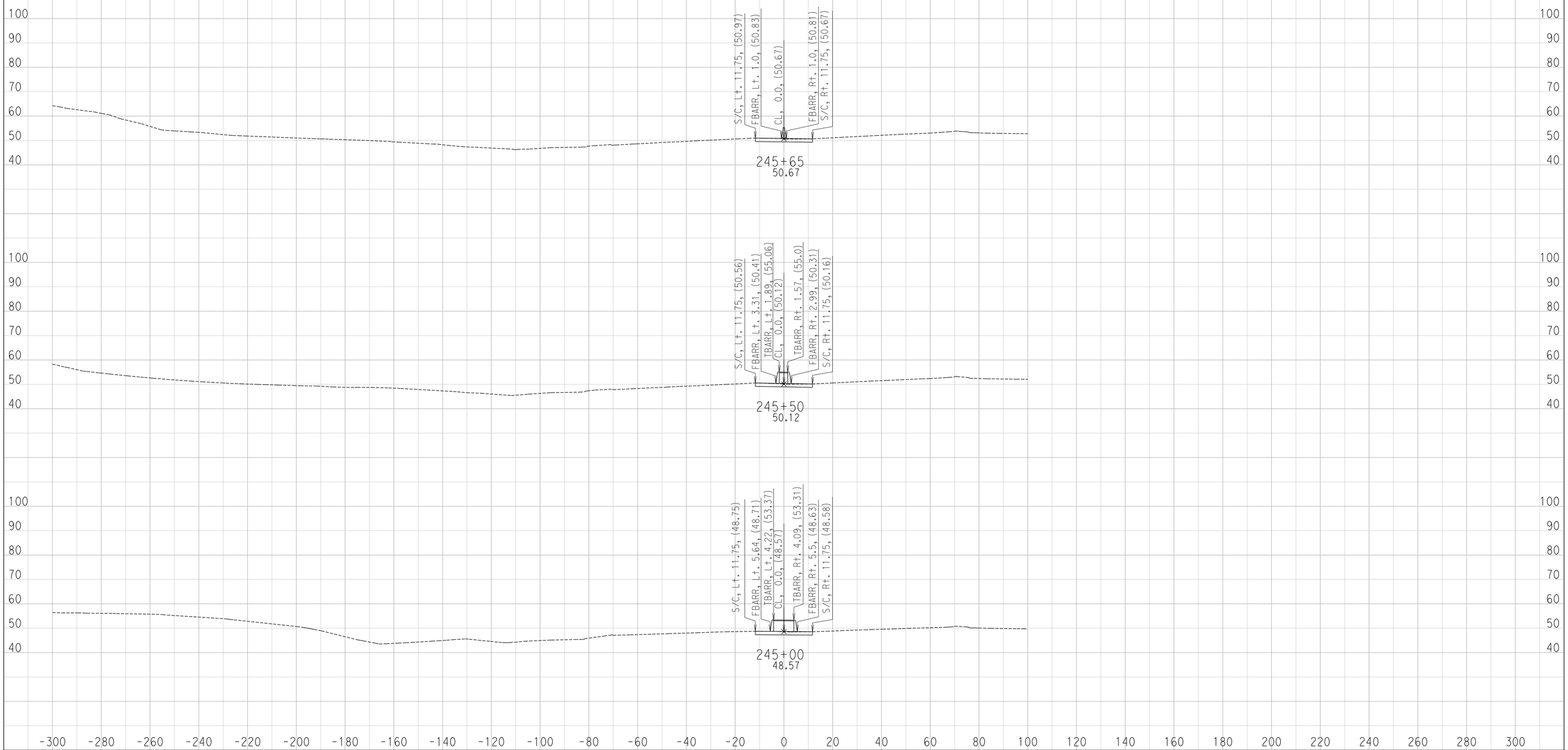
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS
SHEET 3 OF 34

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

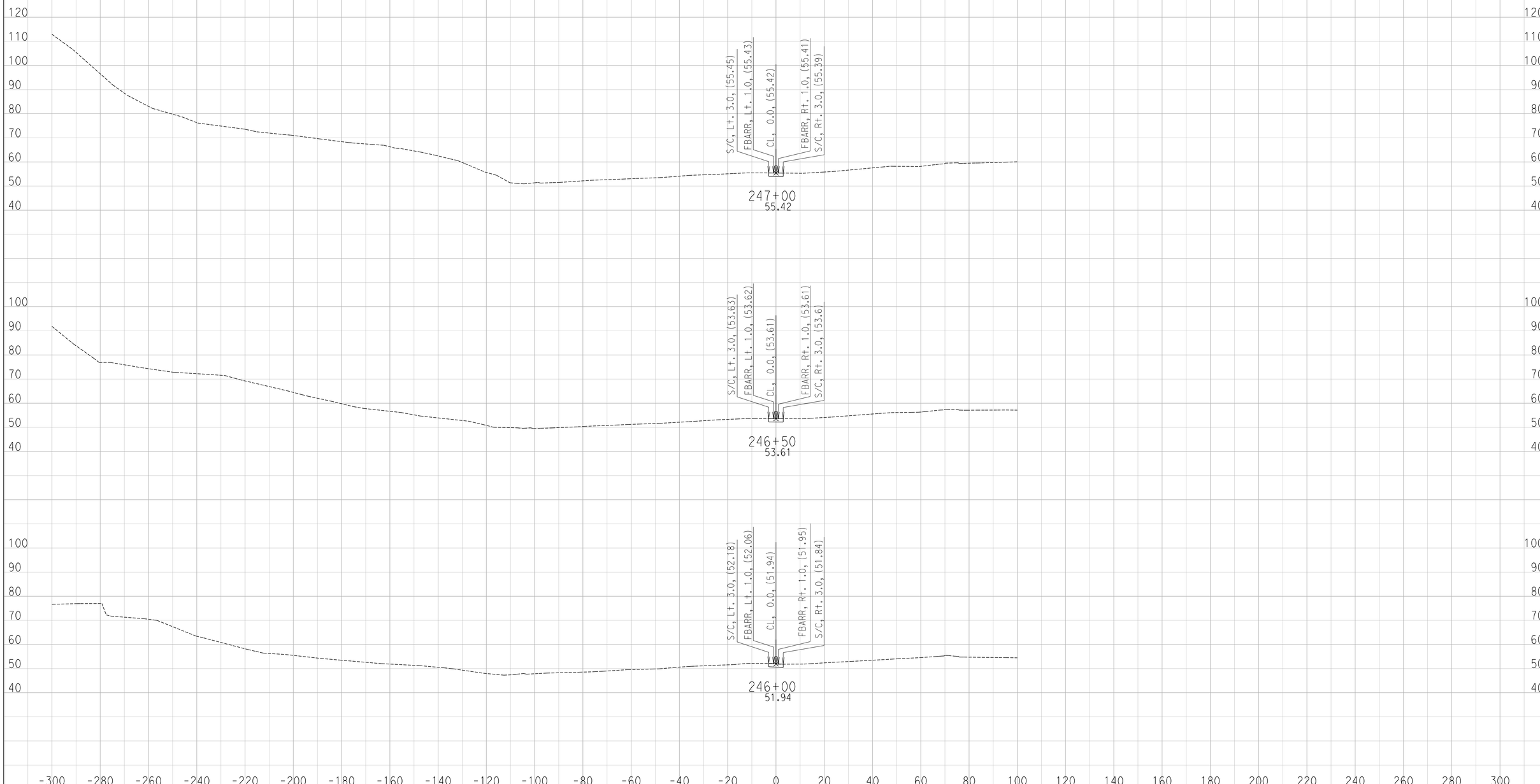
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS
SHEET 4 OF 34

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

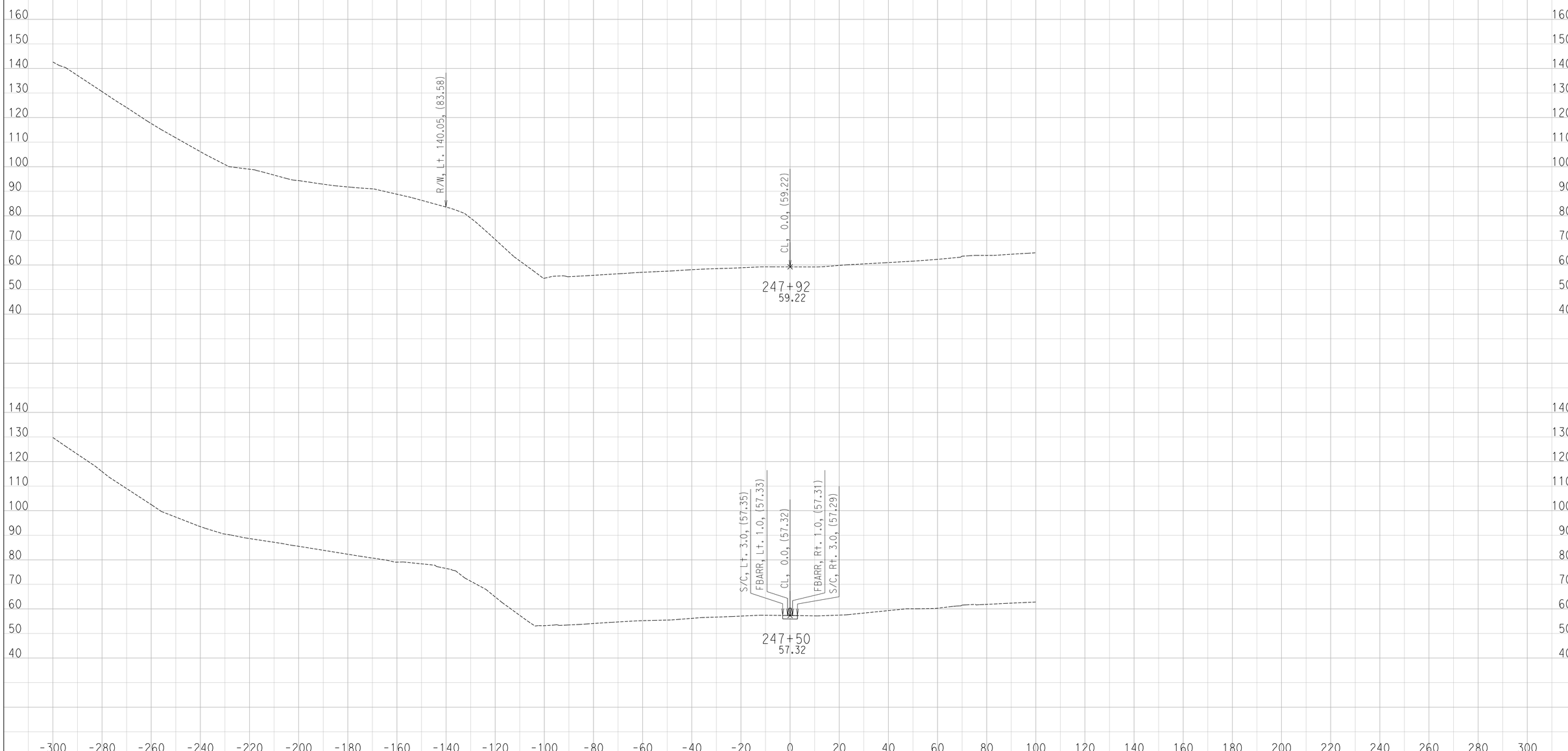
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

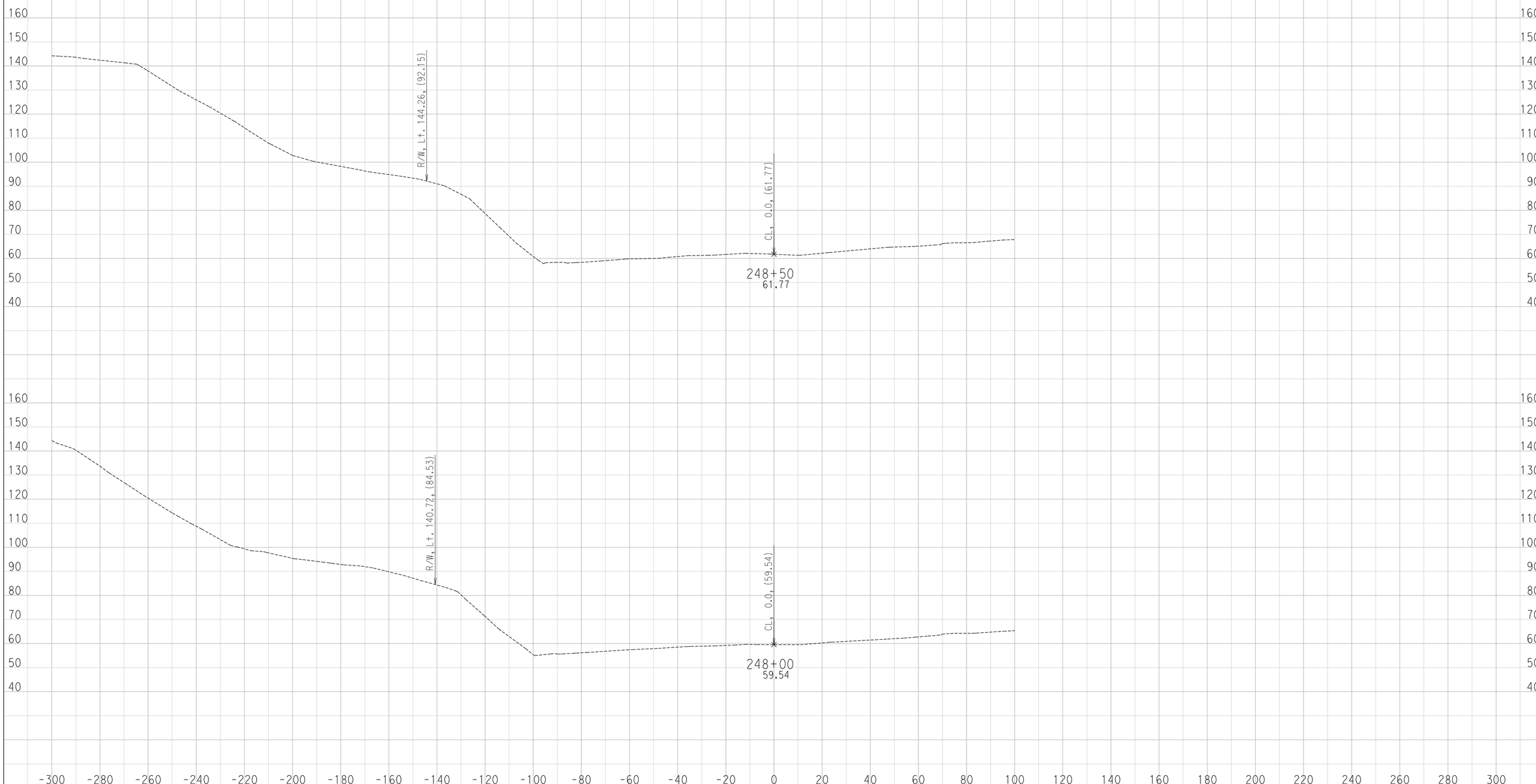
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

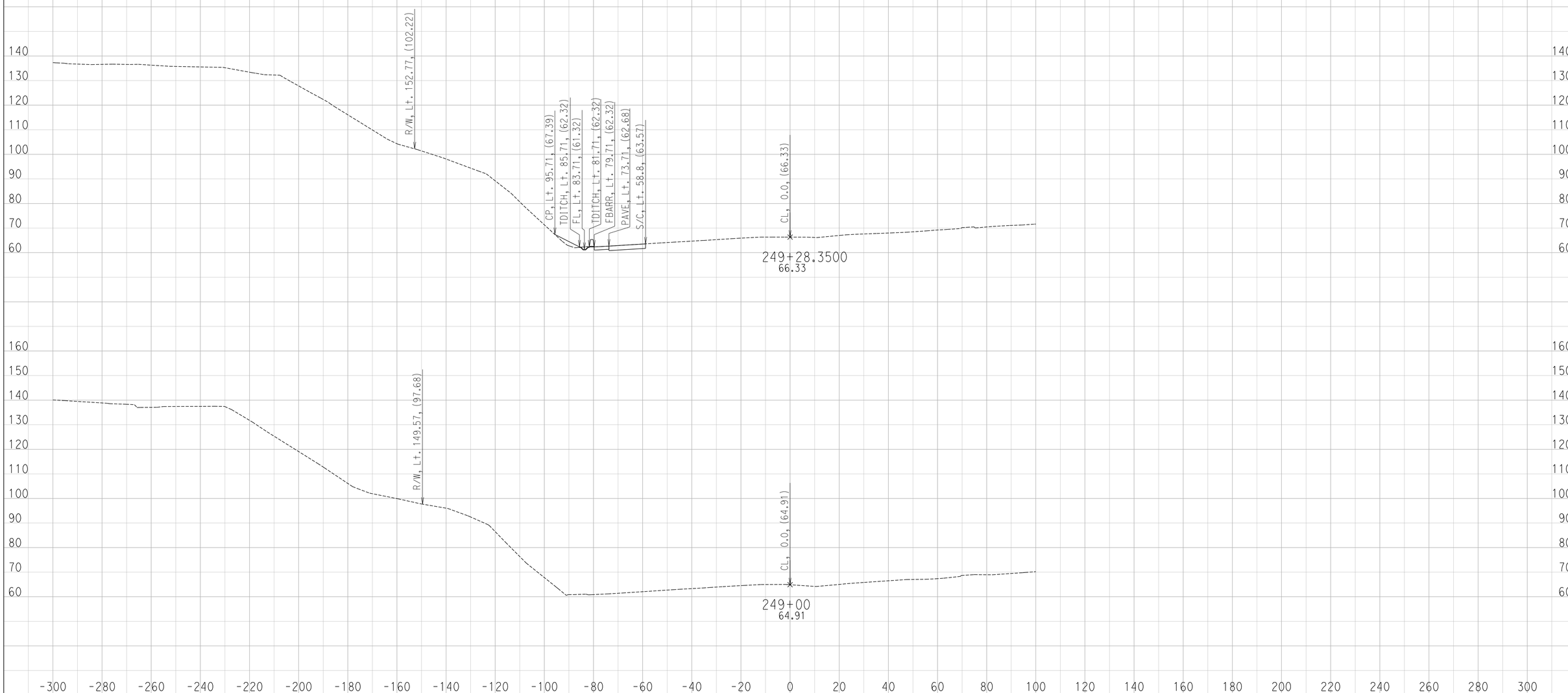
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

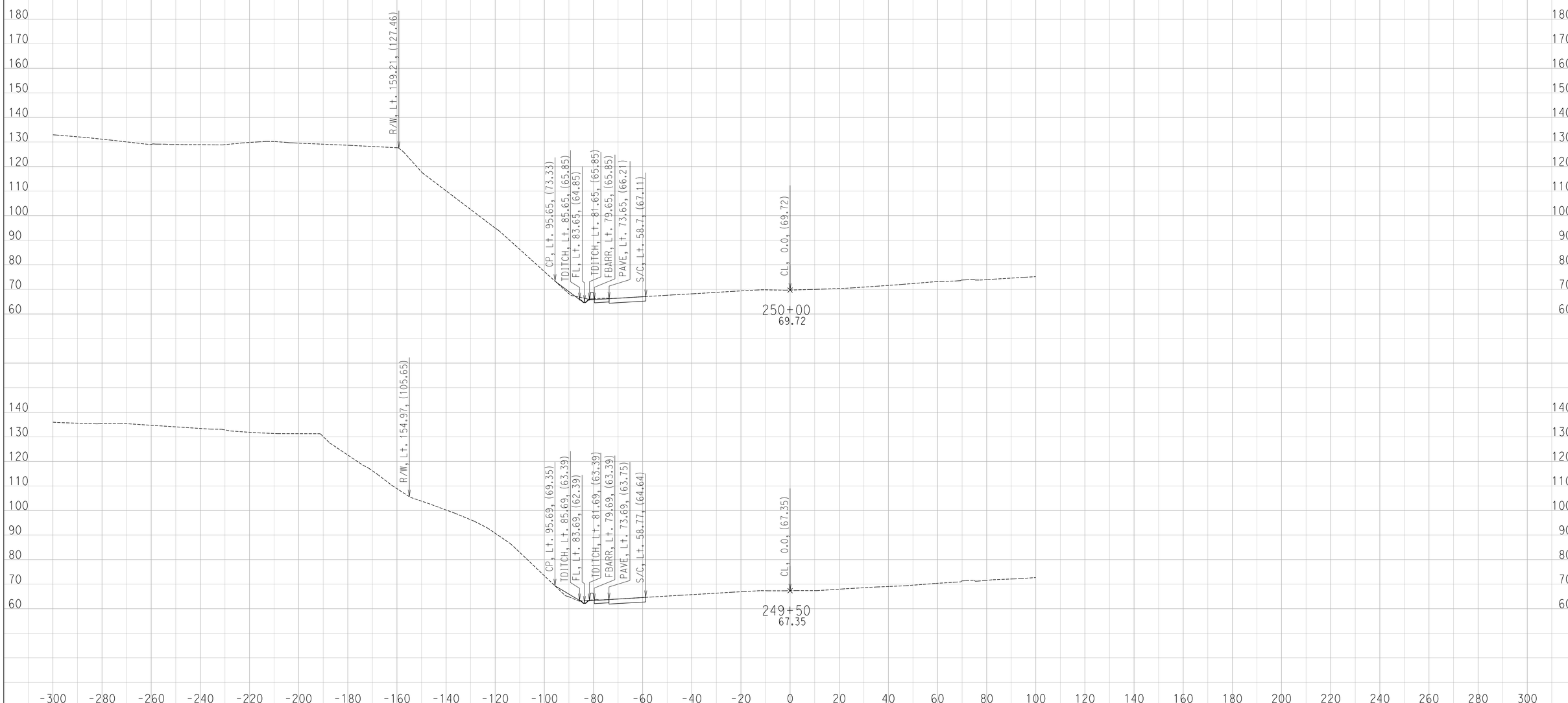
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS
SHEET 8 OF 34

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

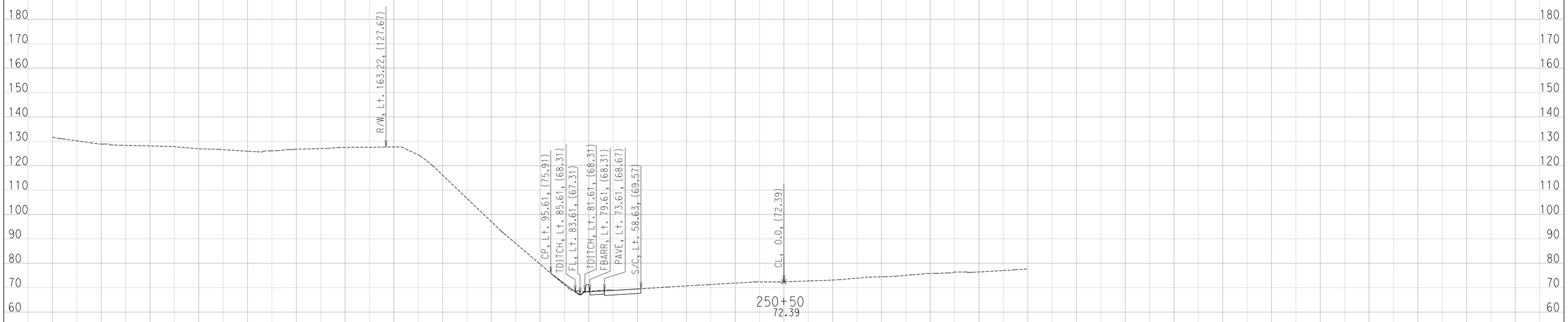
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

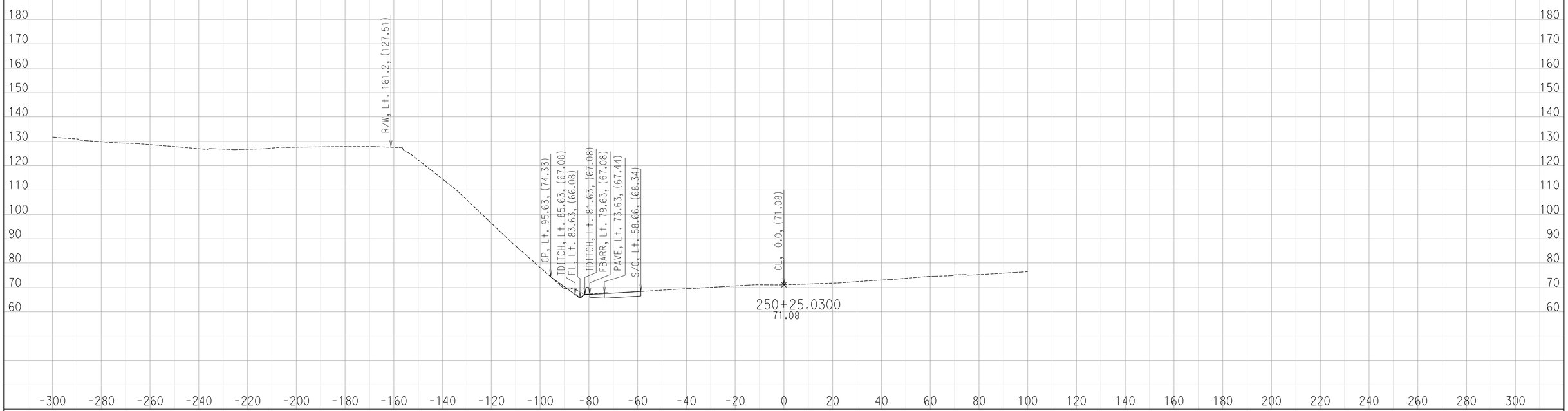
SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS
SHEET 9 OF 34

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/24/2016

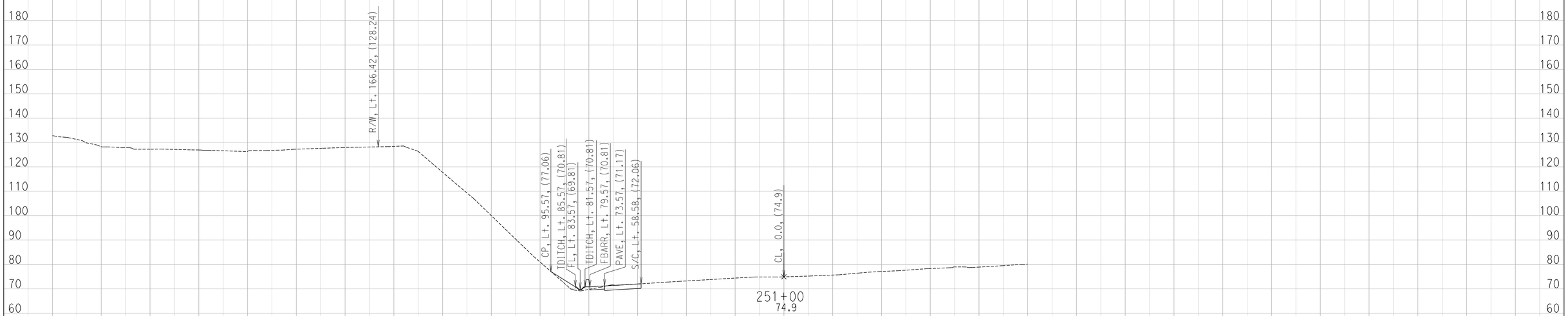
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

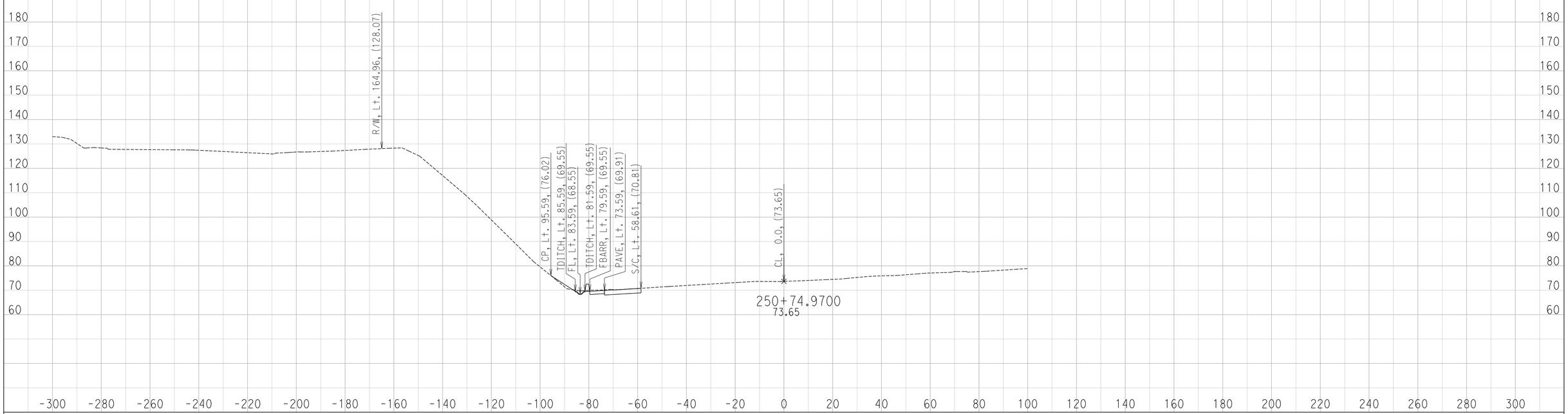
SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/24/2016

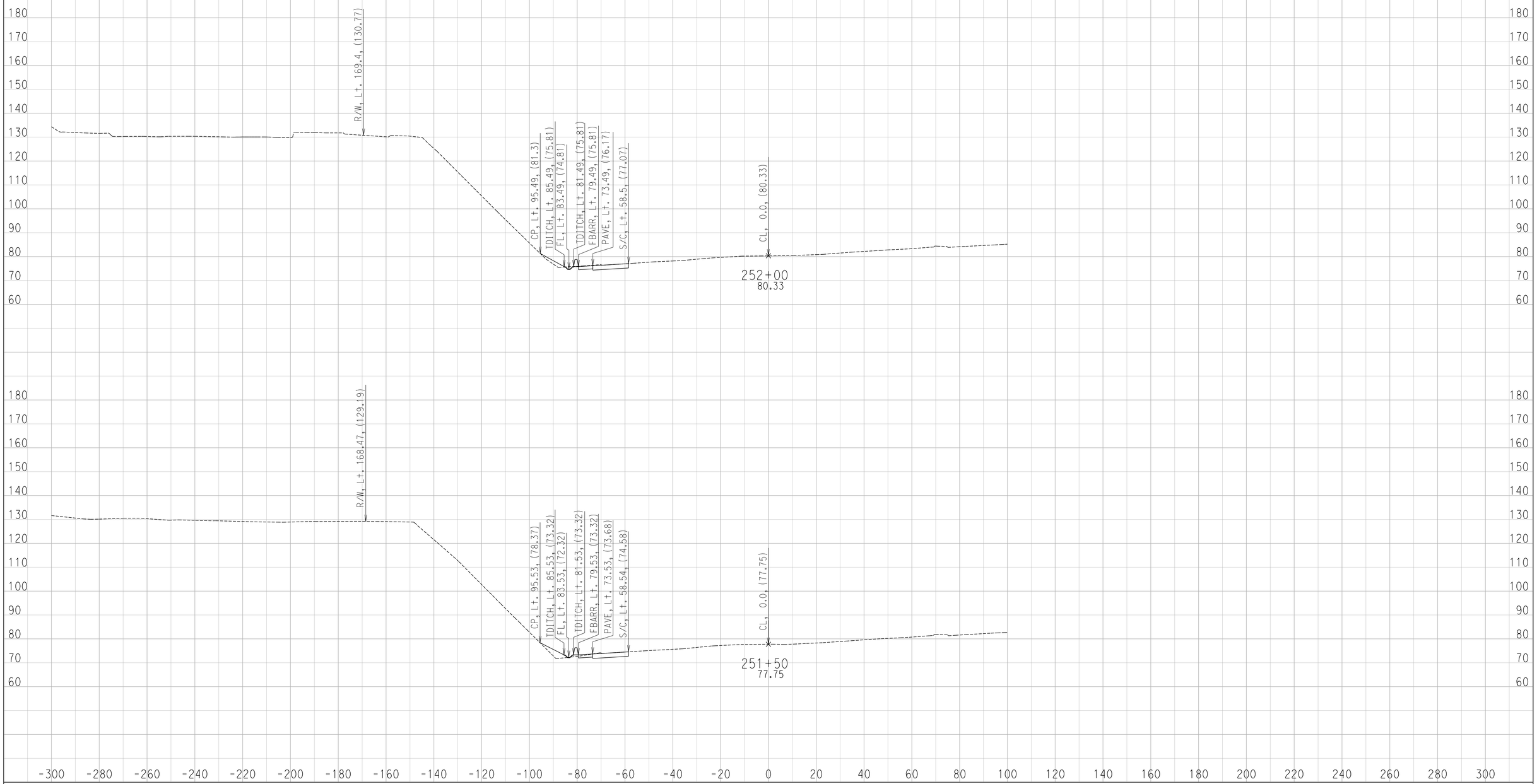
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

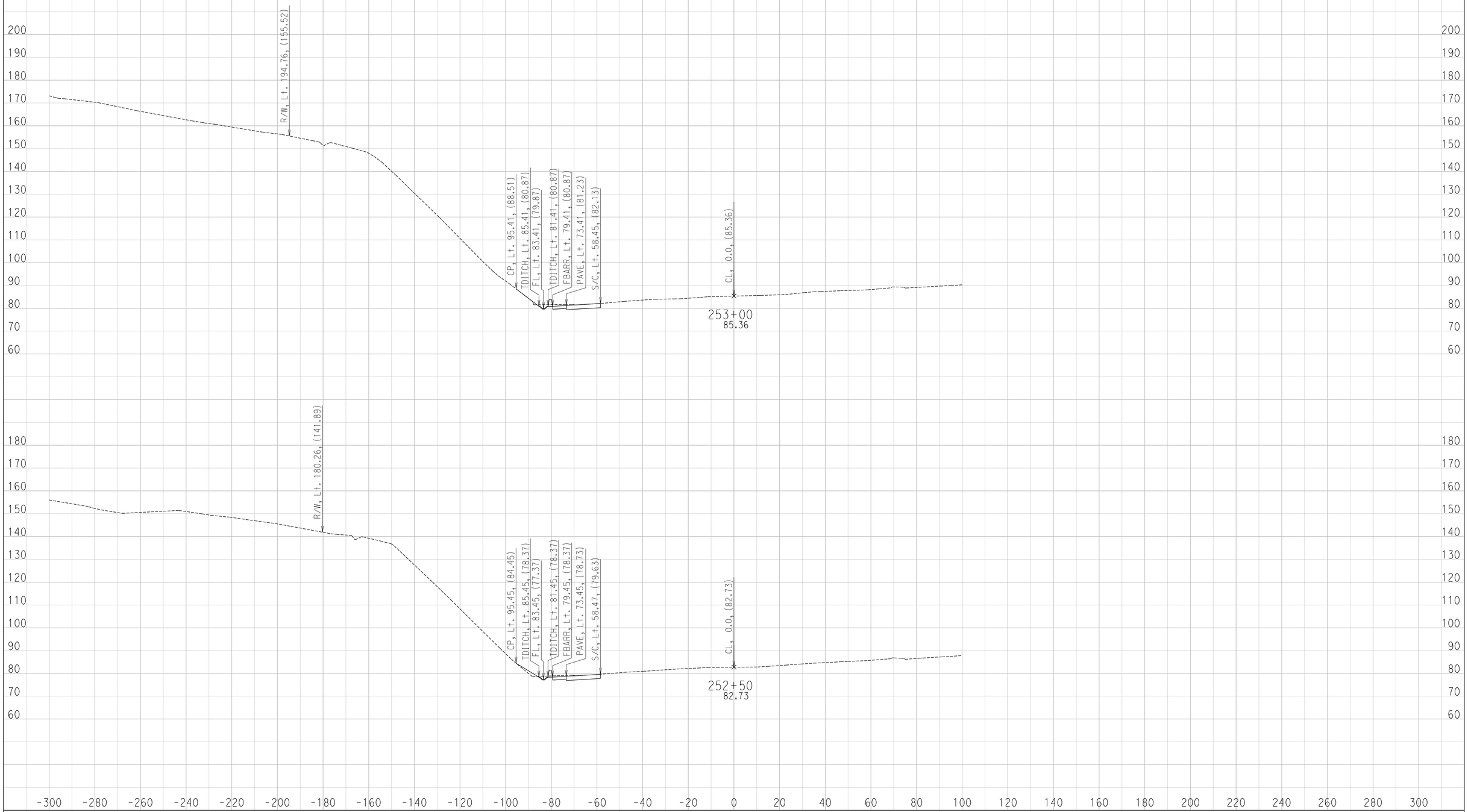
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

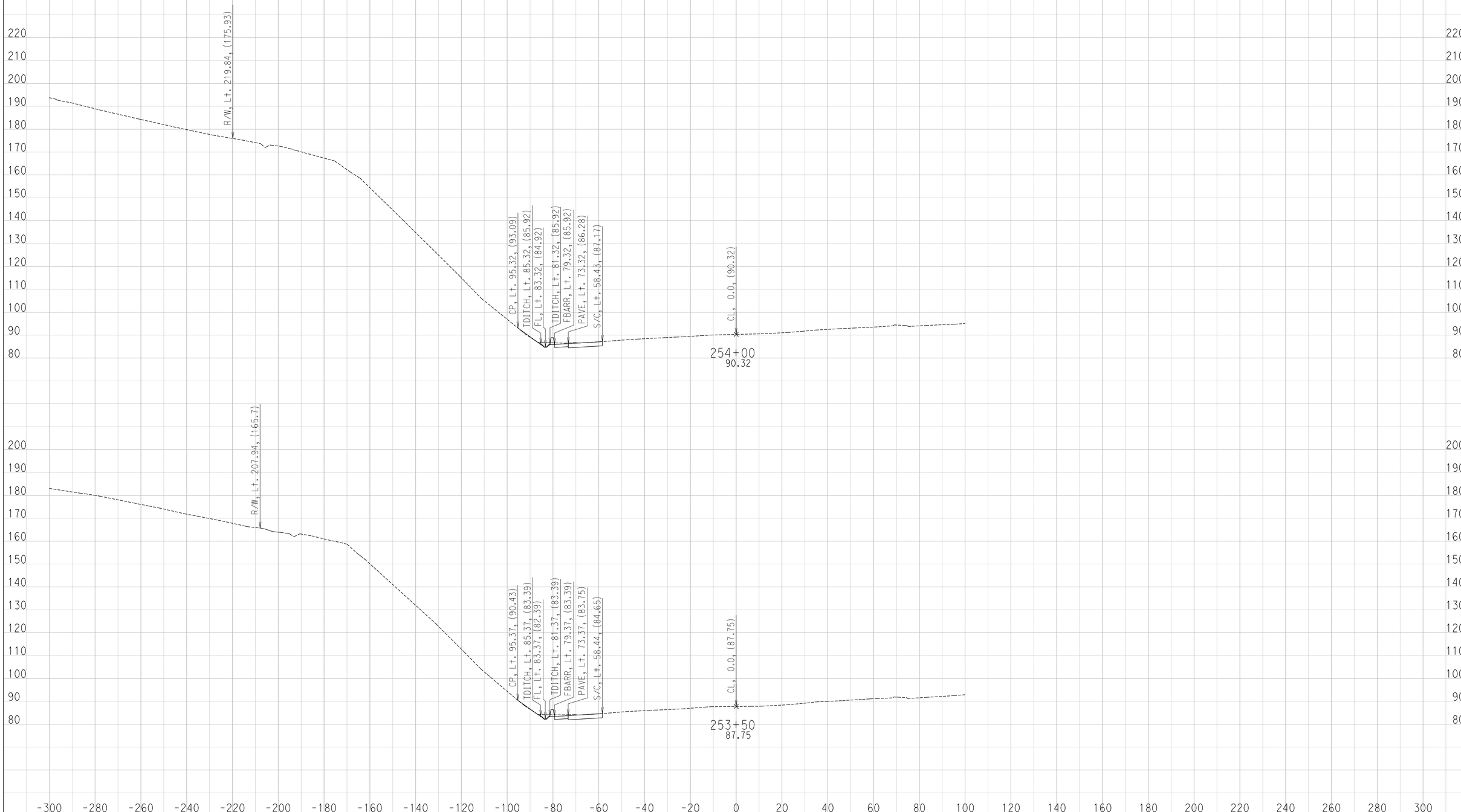
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

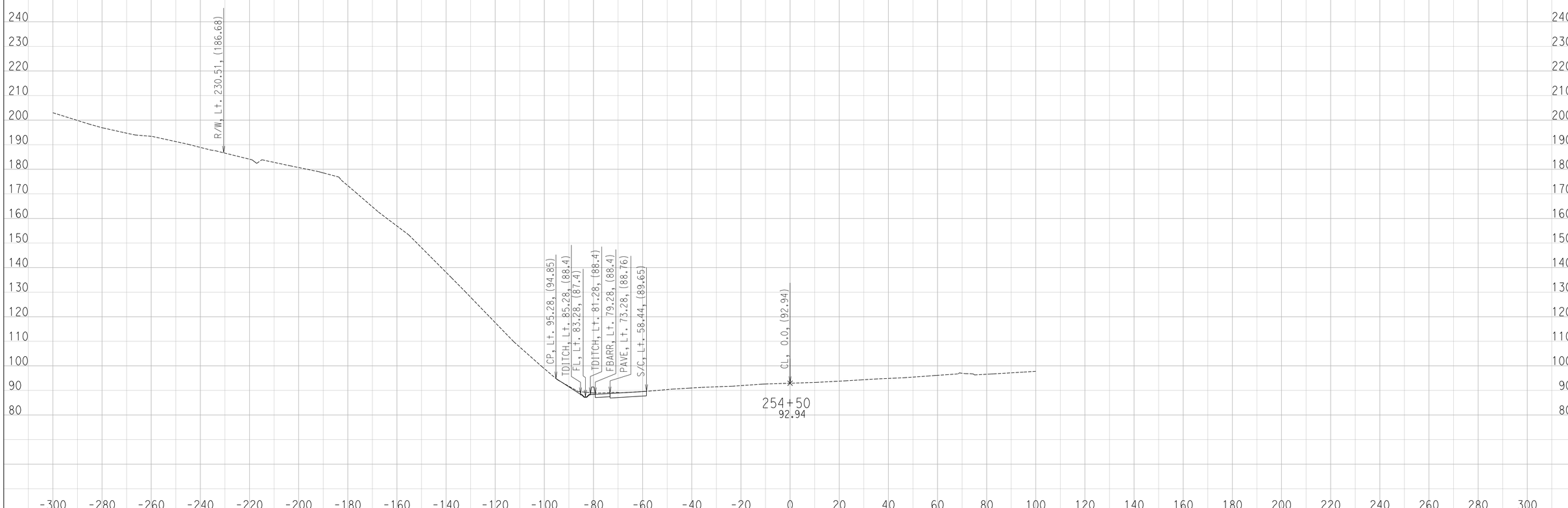
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

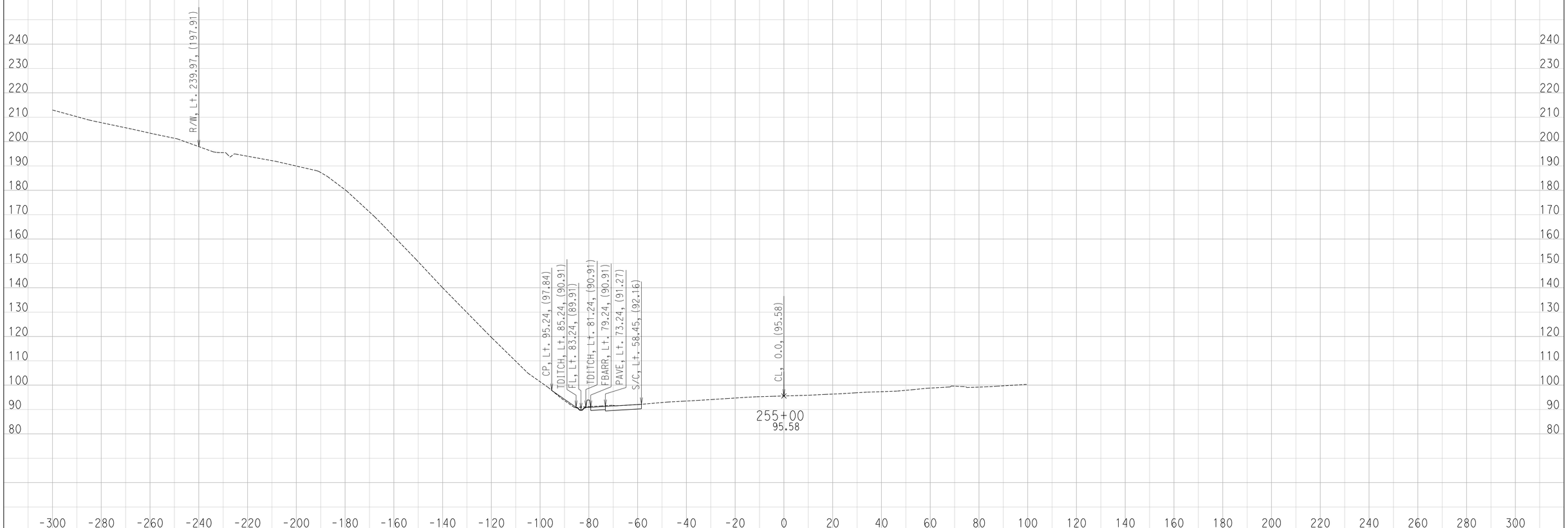
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS
SHEET 15 OF 34

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

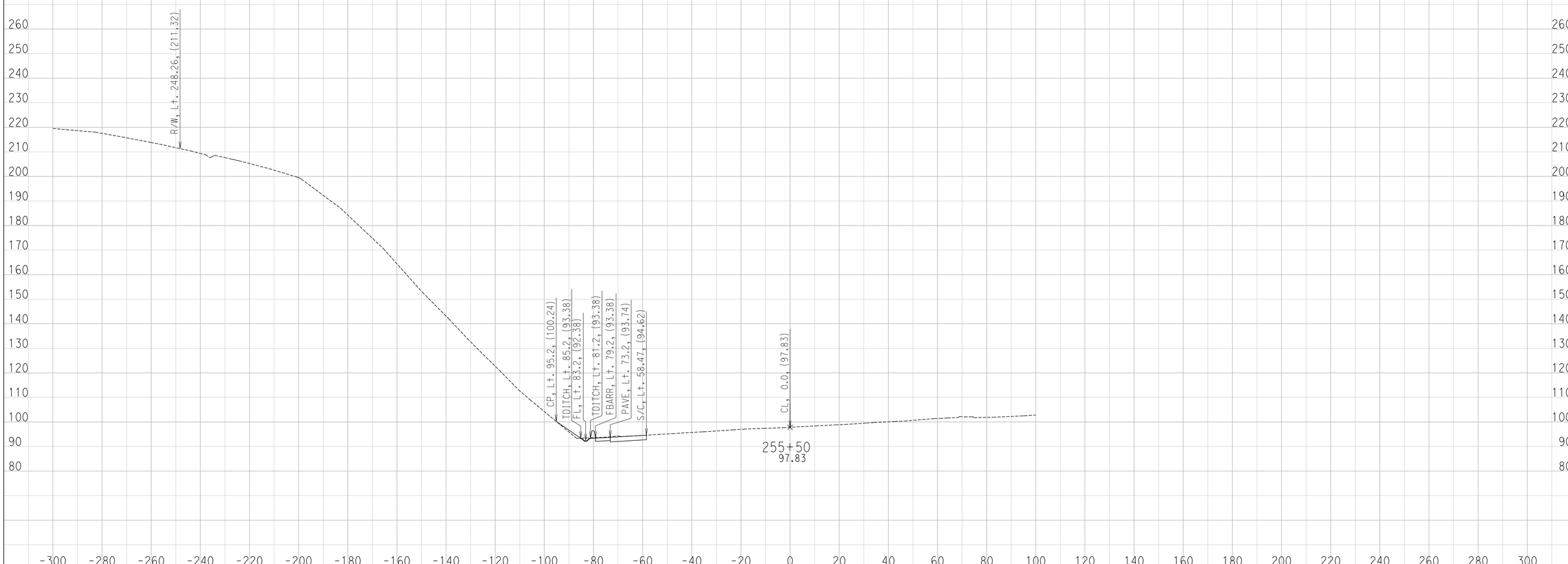
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

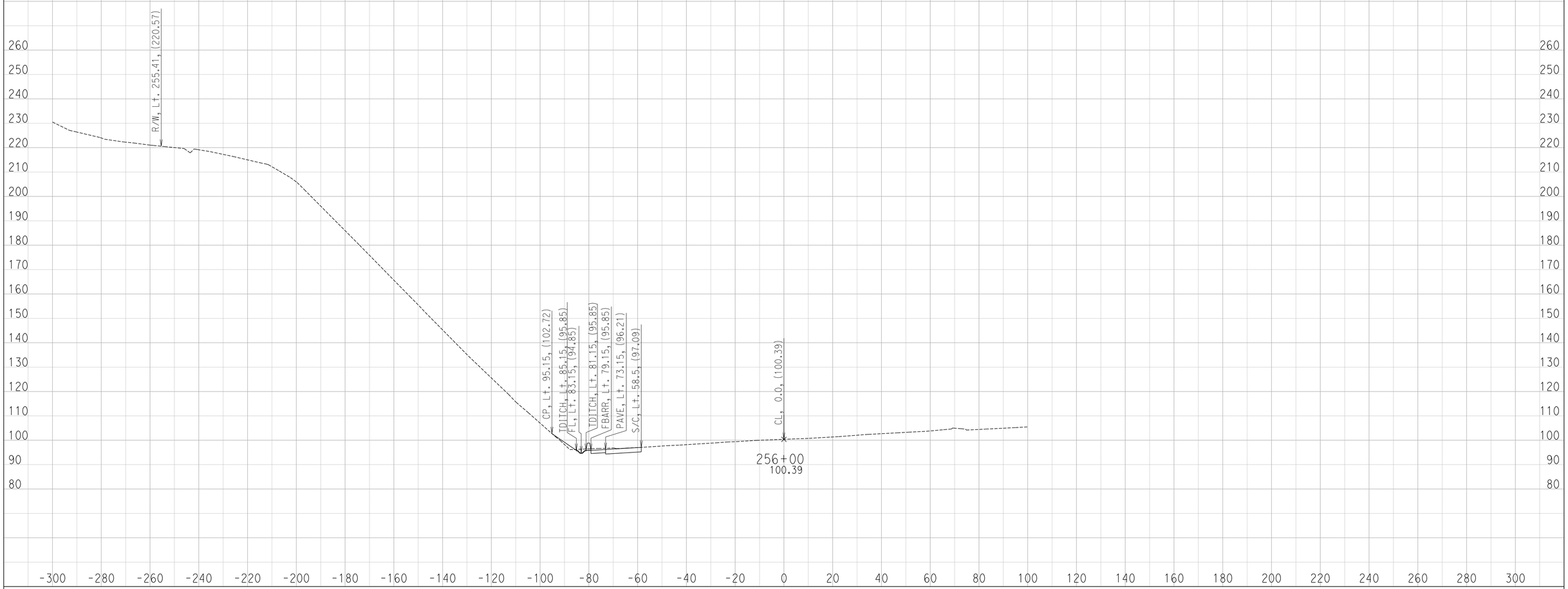
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

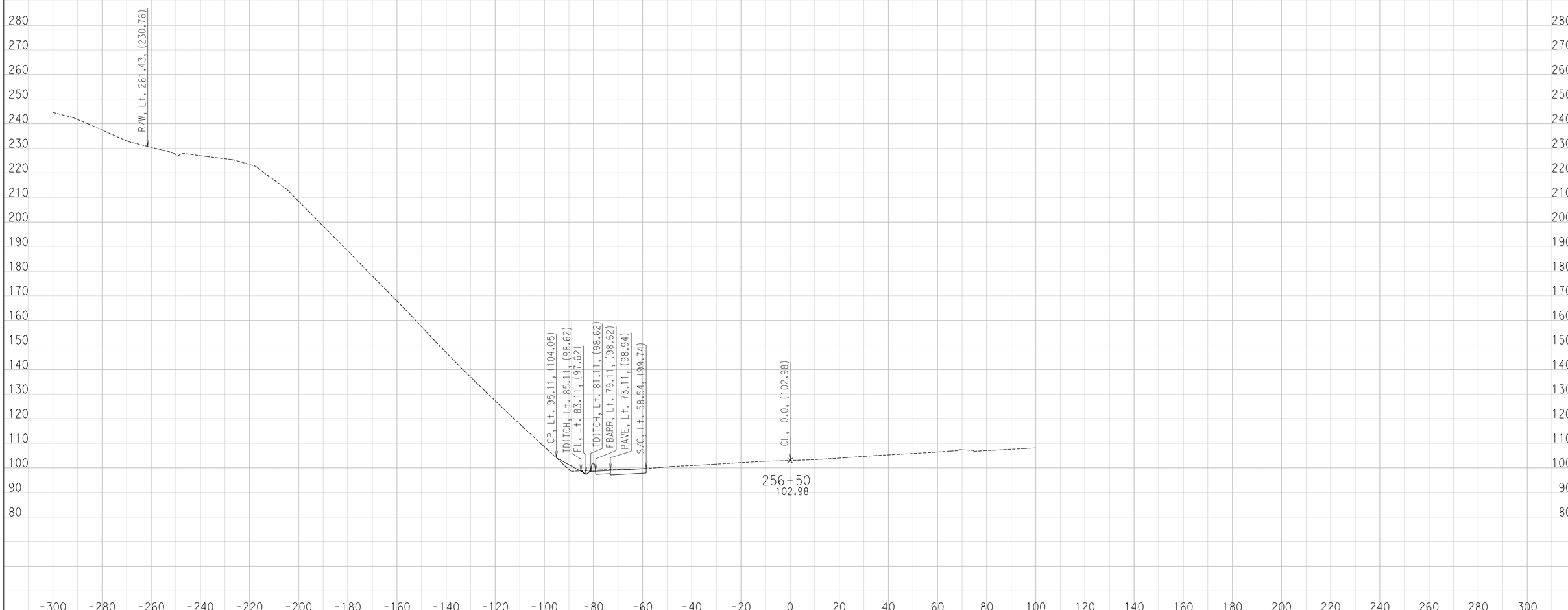
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS
SHEET 18 OF 34

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

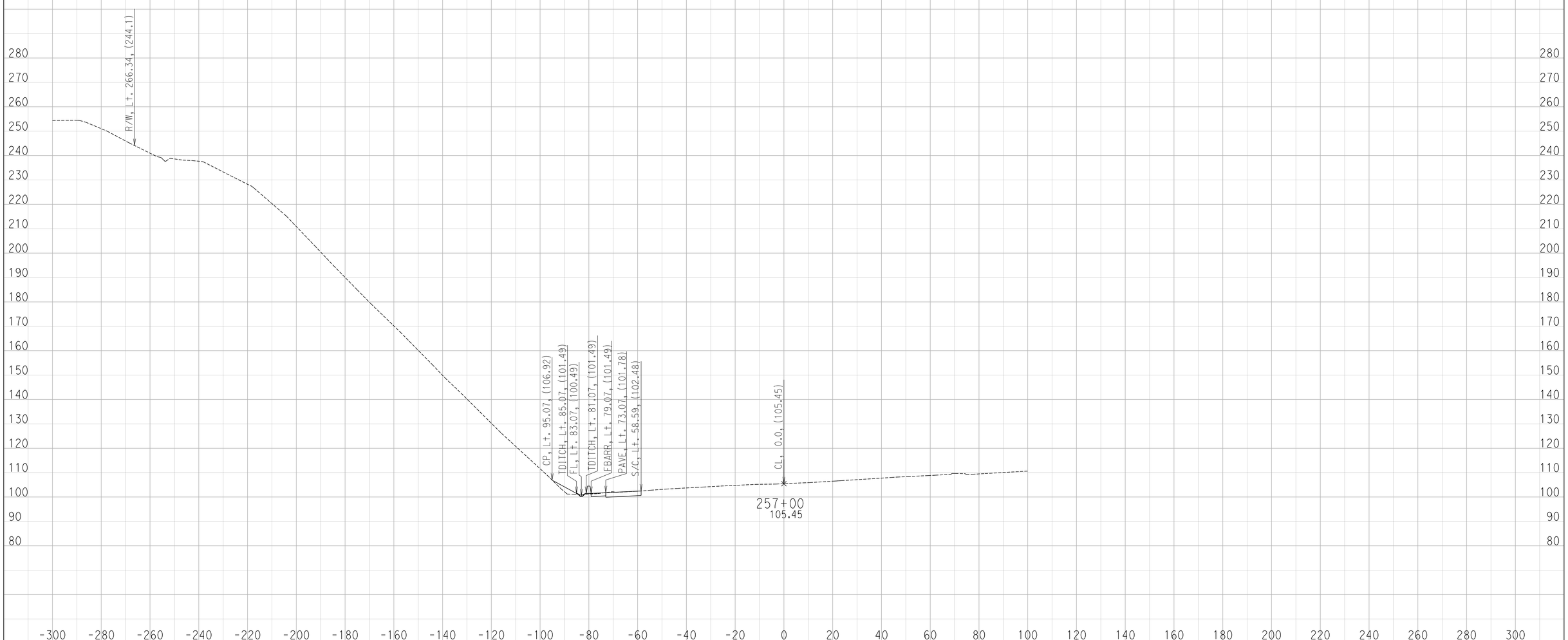
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

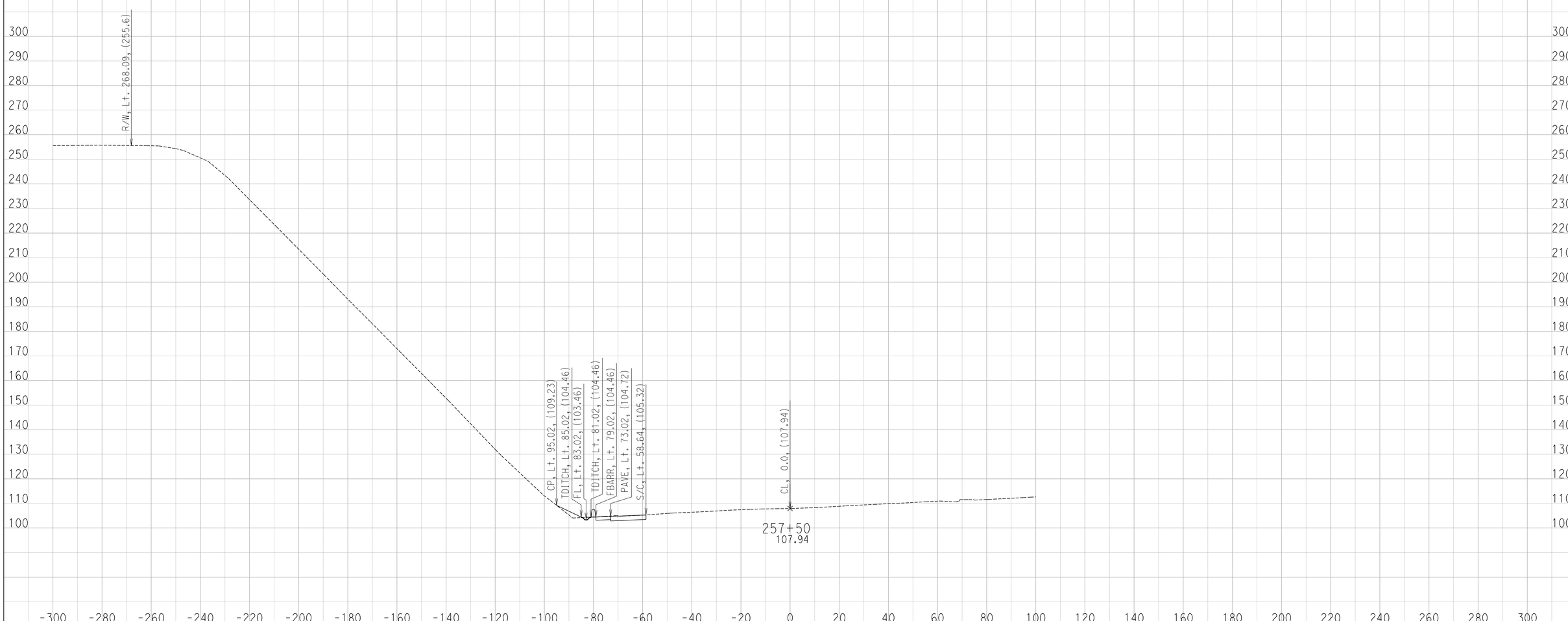
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

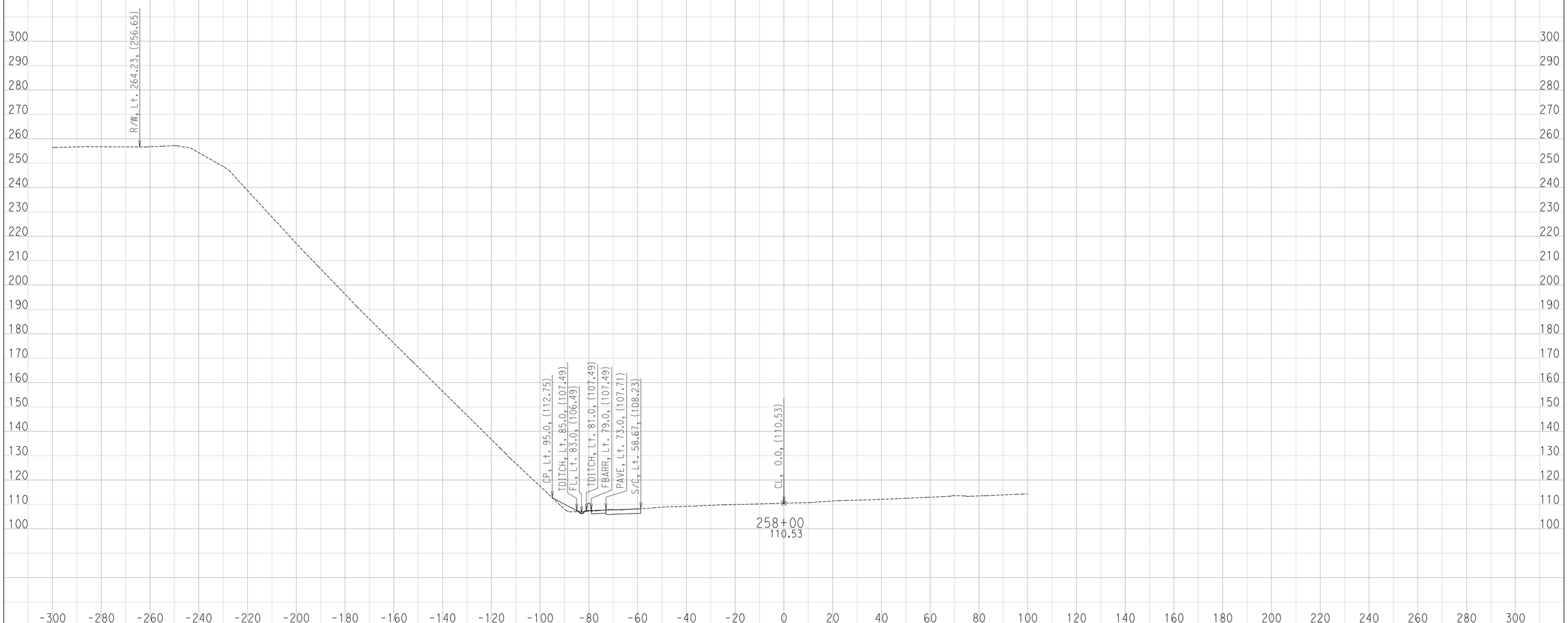
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

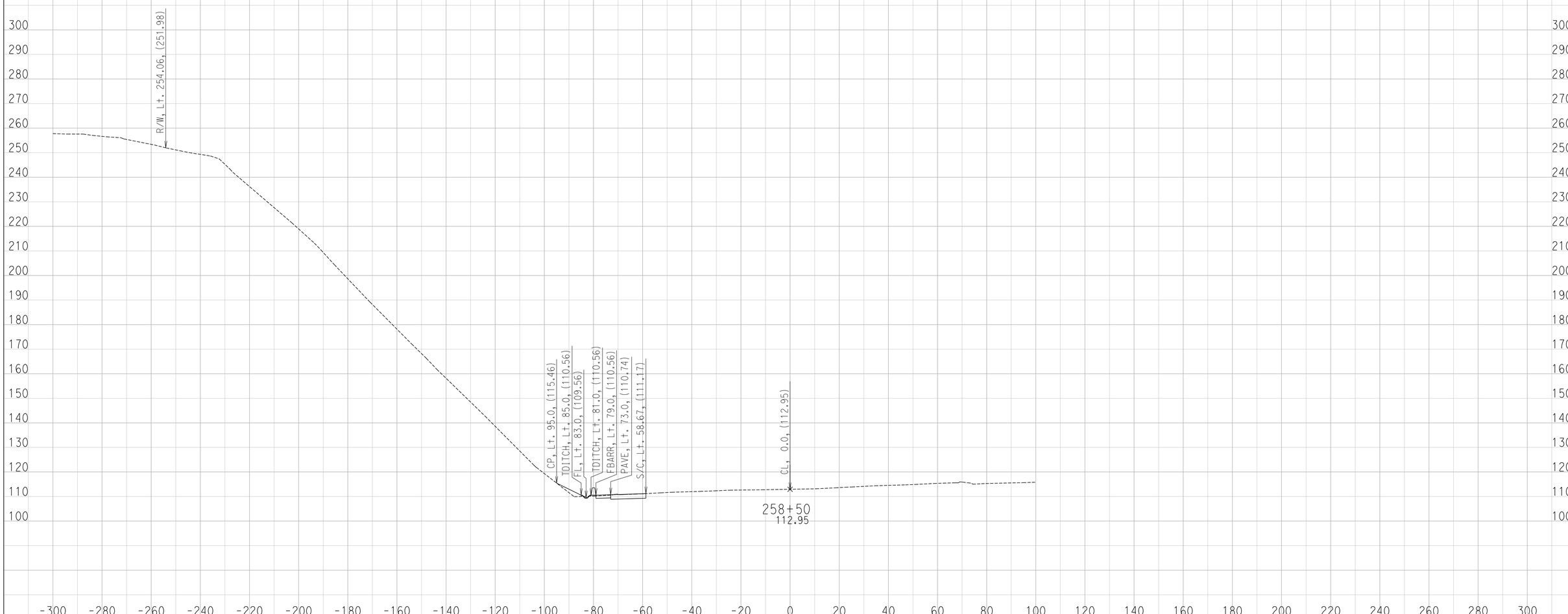
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/24/2016

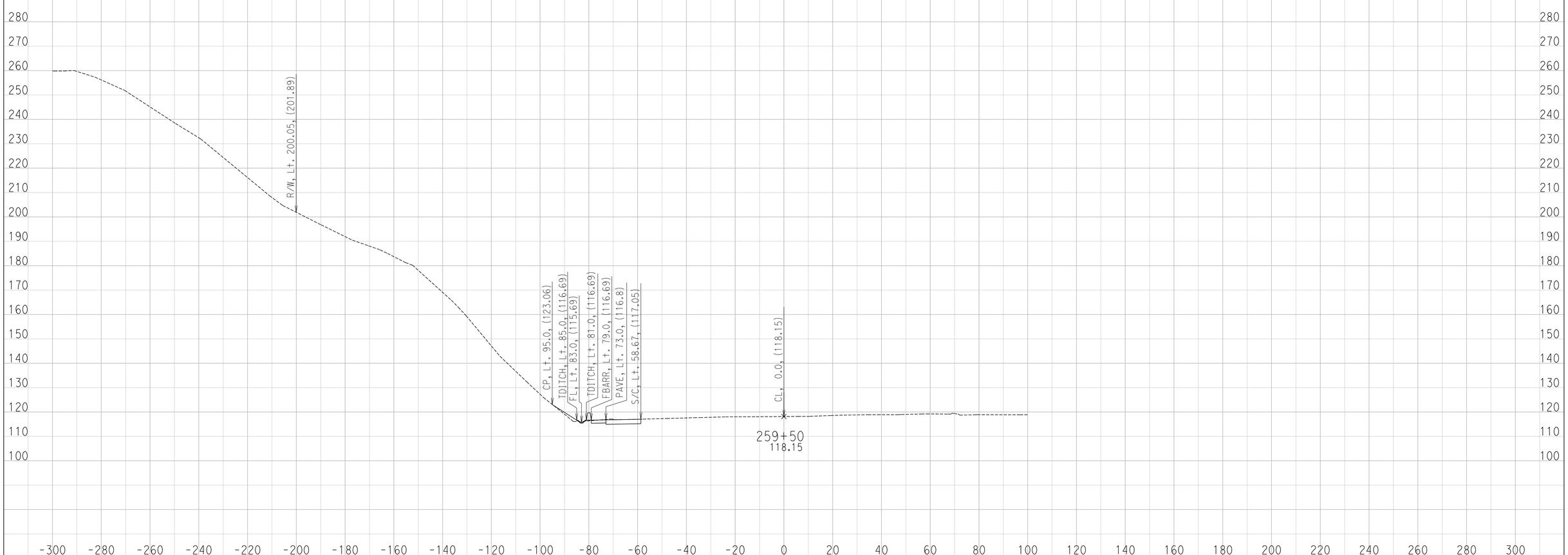
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

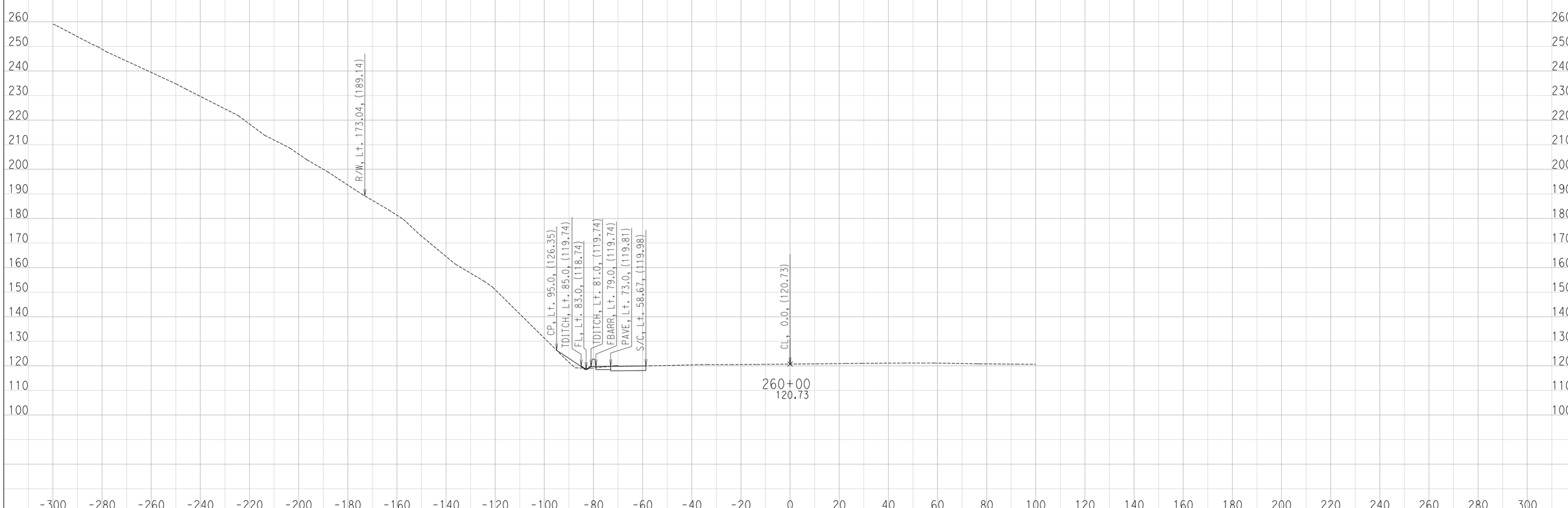
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

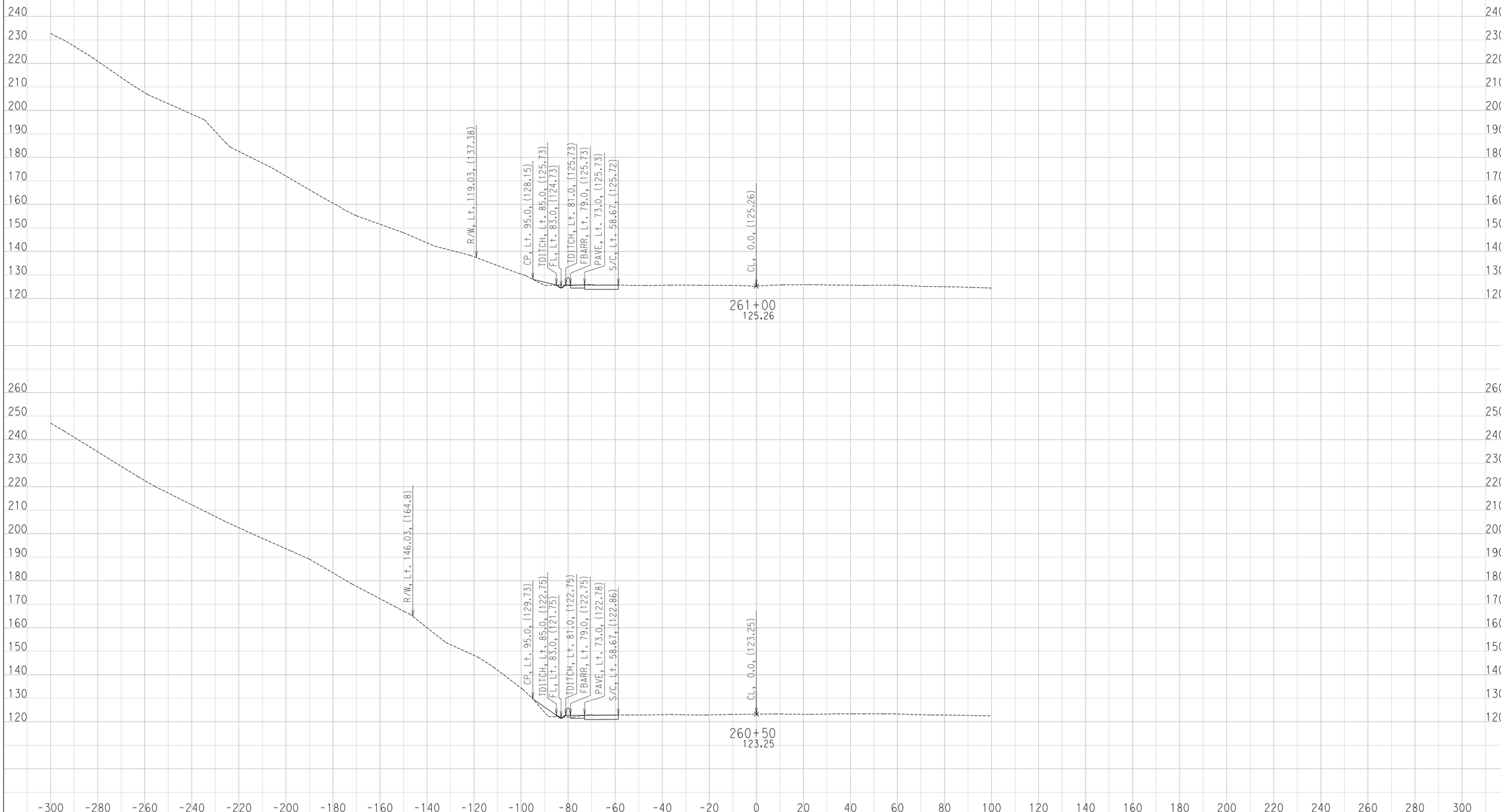
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

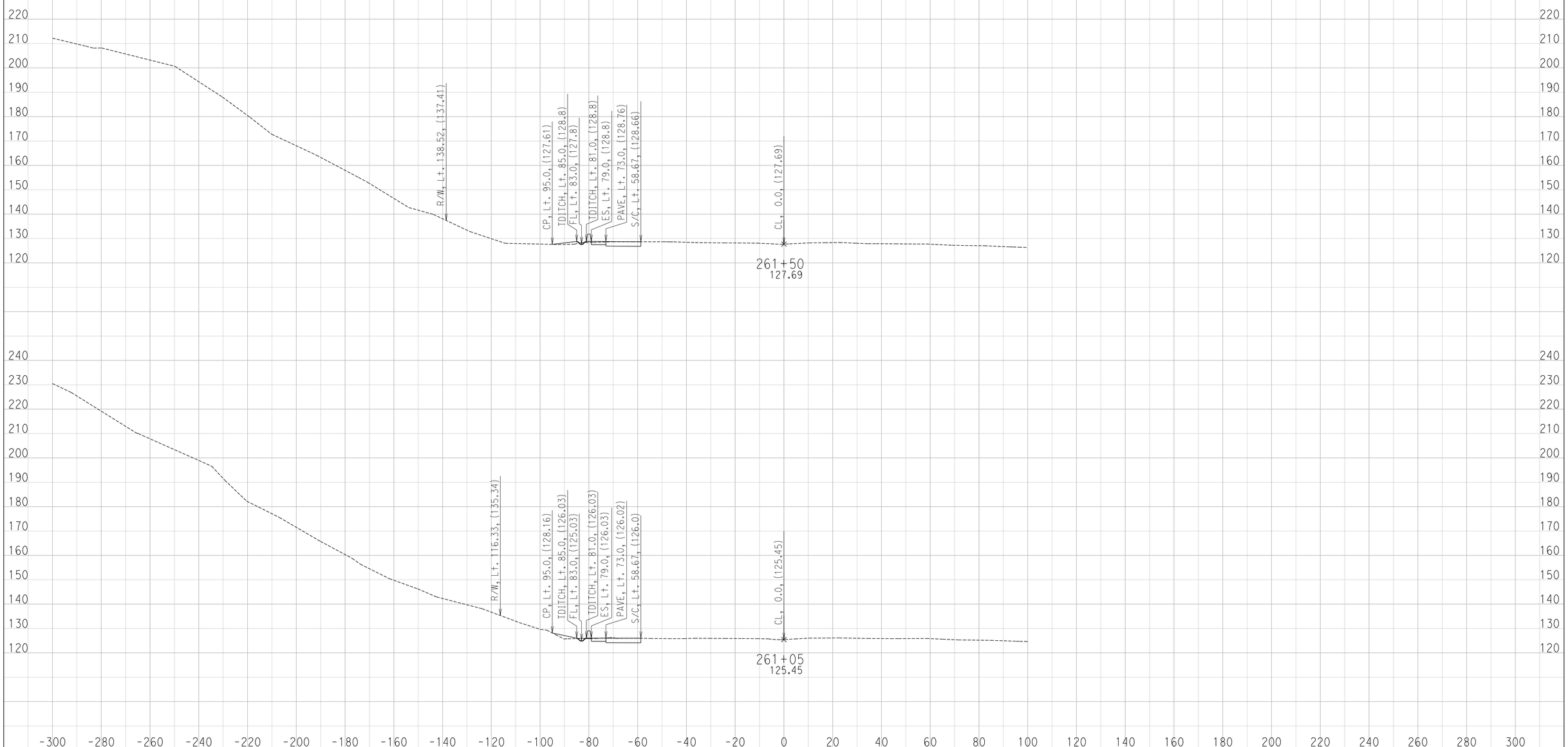
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

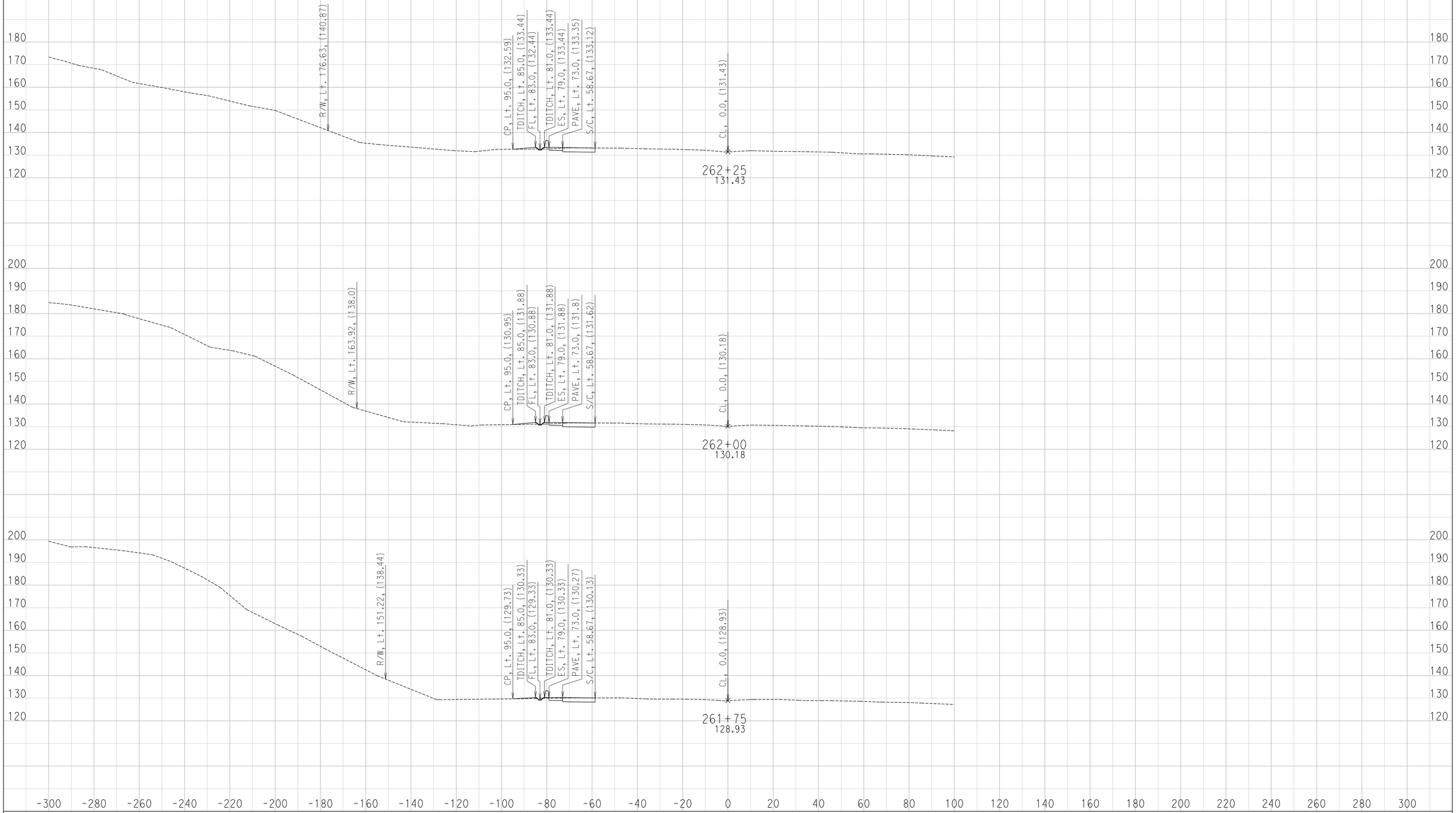
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

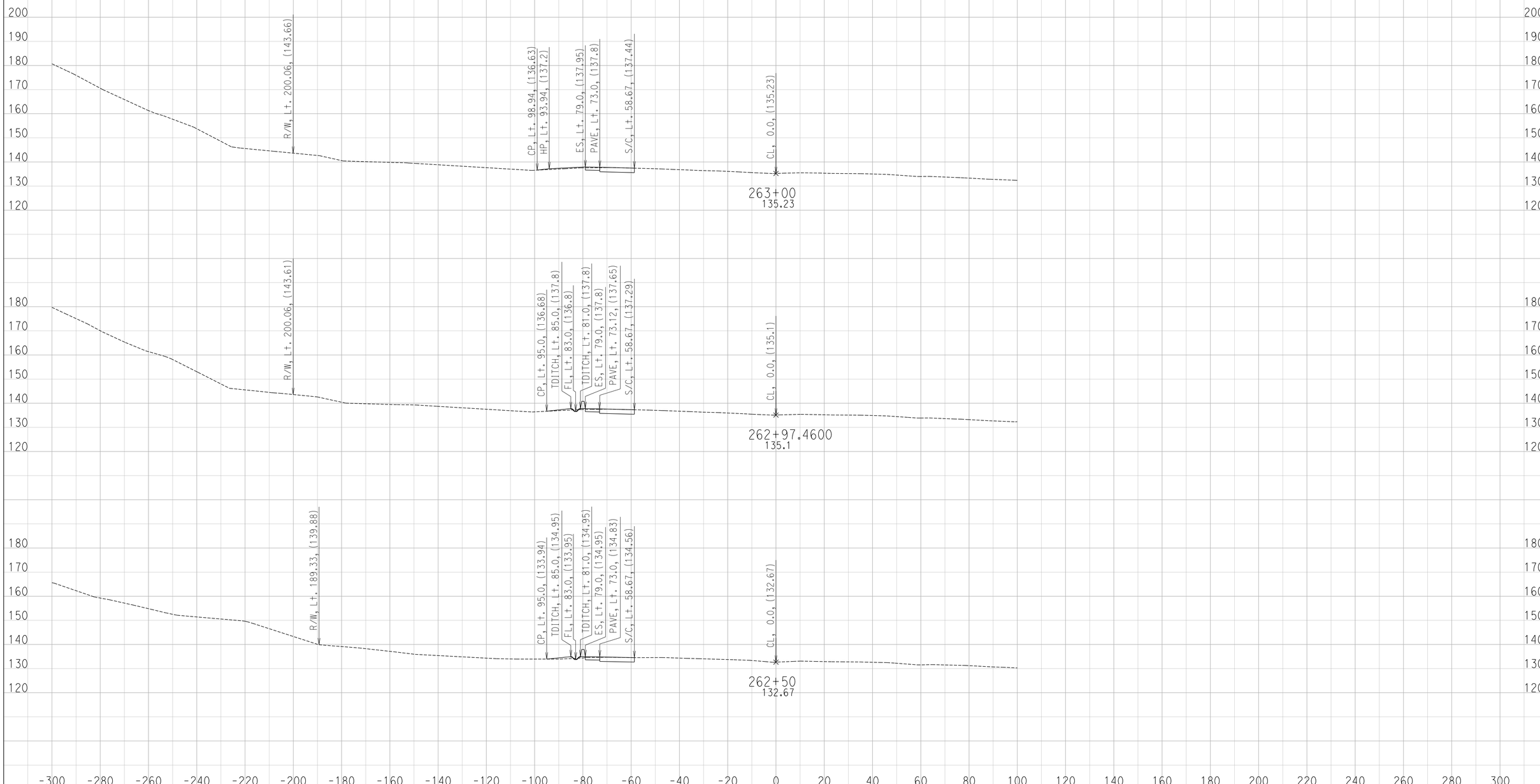
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS
SHEET 29 OF 34

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

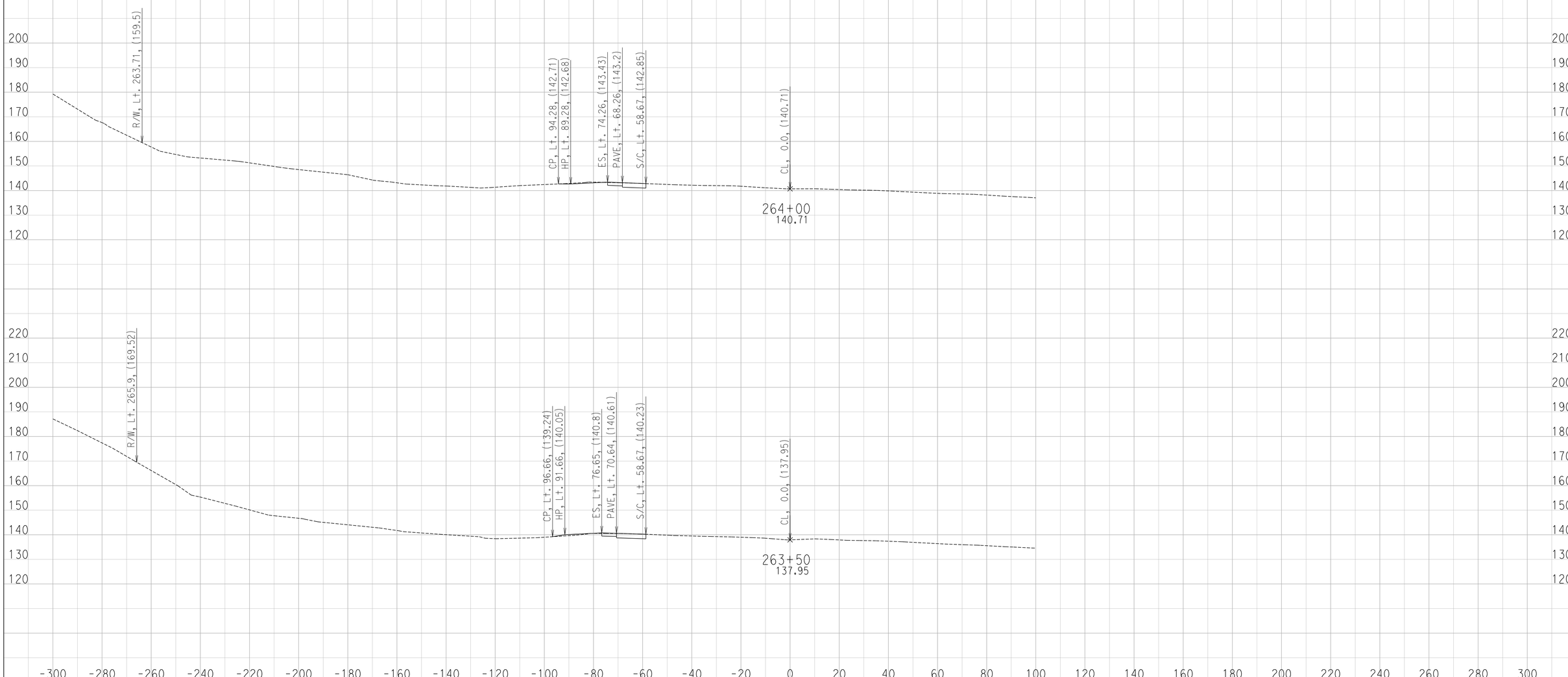
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/24/2016

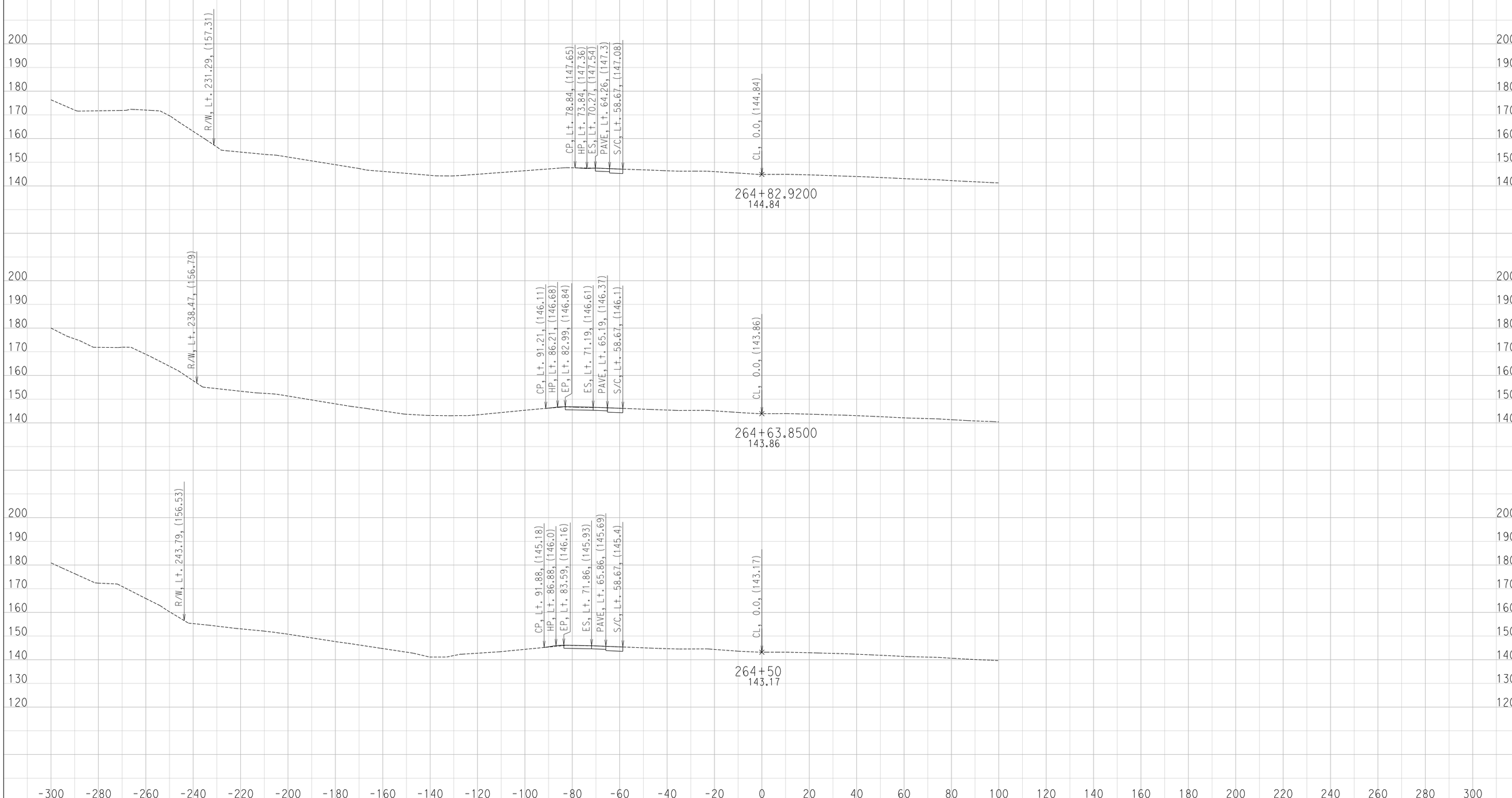
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS
SHEET 32 OF 34

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

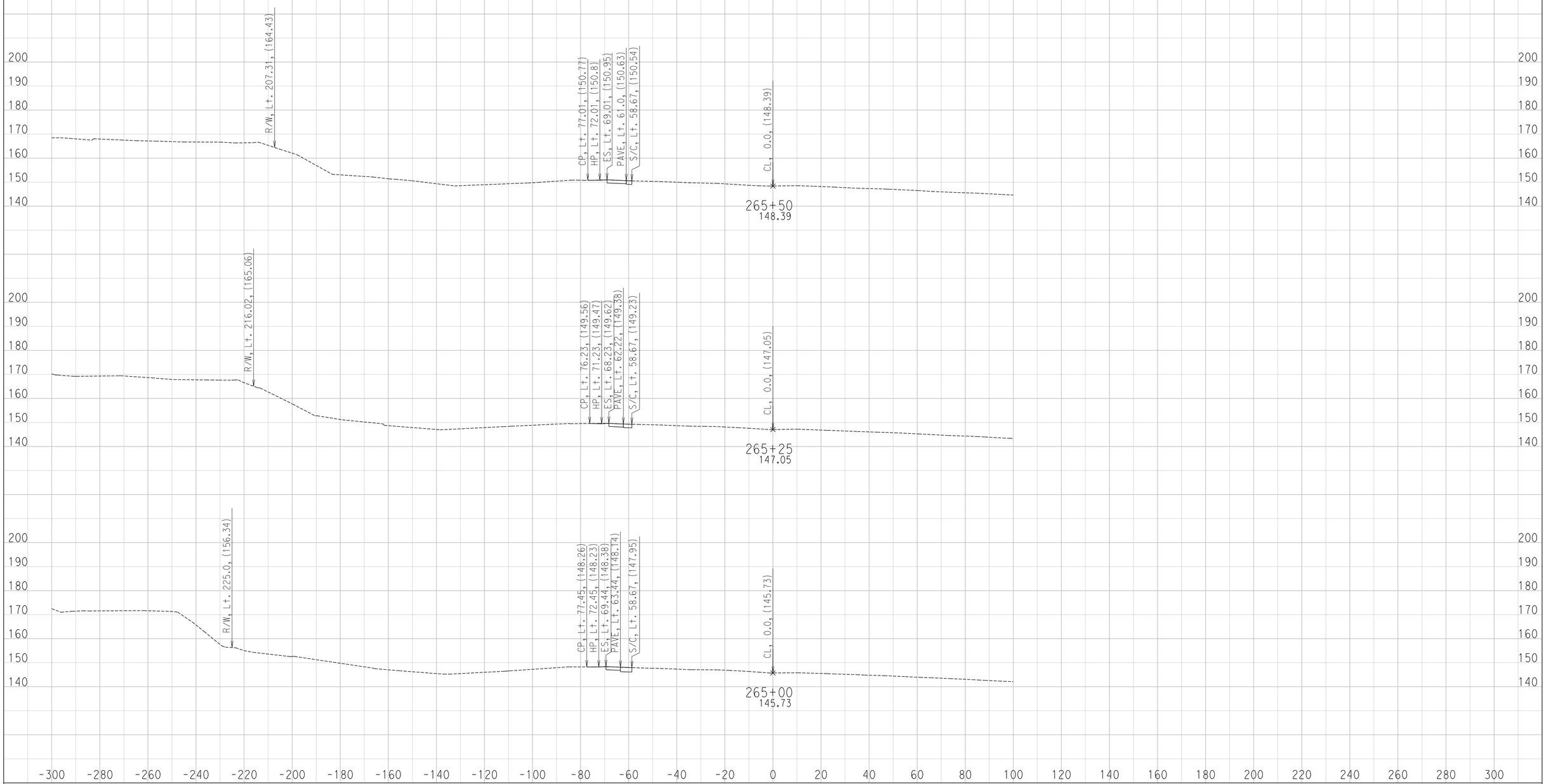
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS
SHEET 33 OF 34

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/24/2016

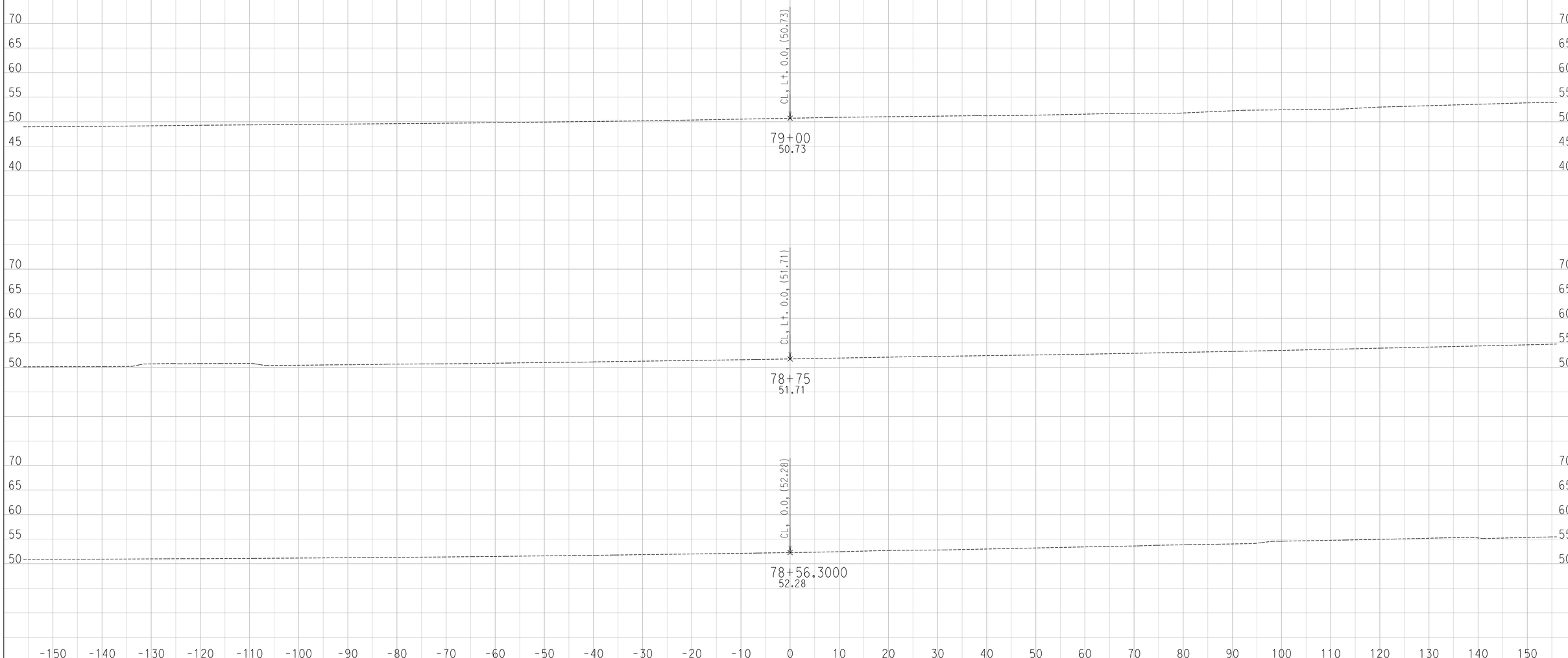
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

SCALE: 1" = 20' Horiz.
1" = 20' Vert.

All Dimensions are US Survey Feet

SR-163
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

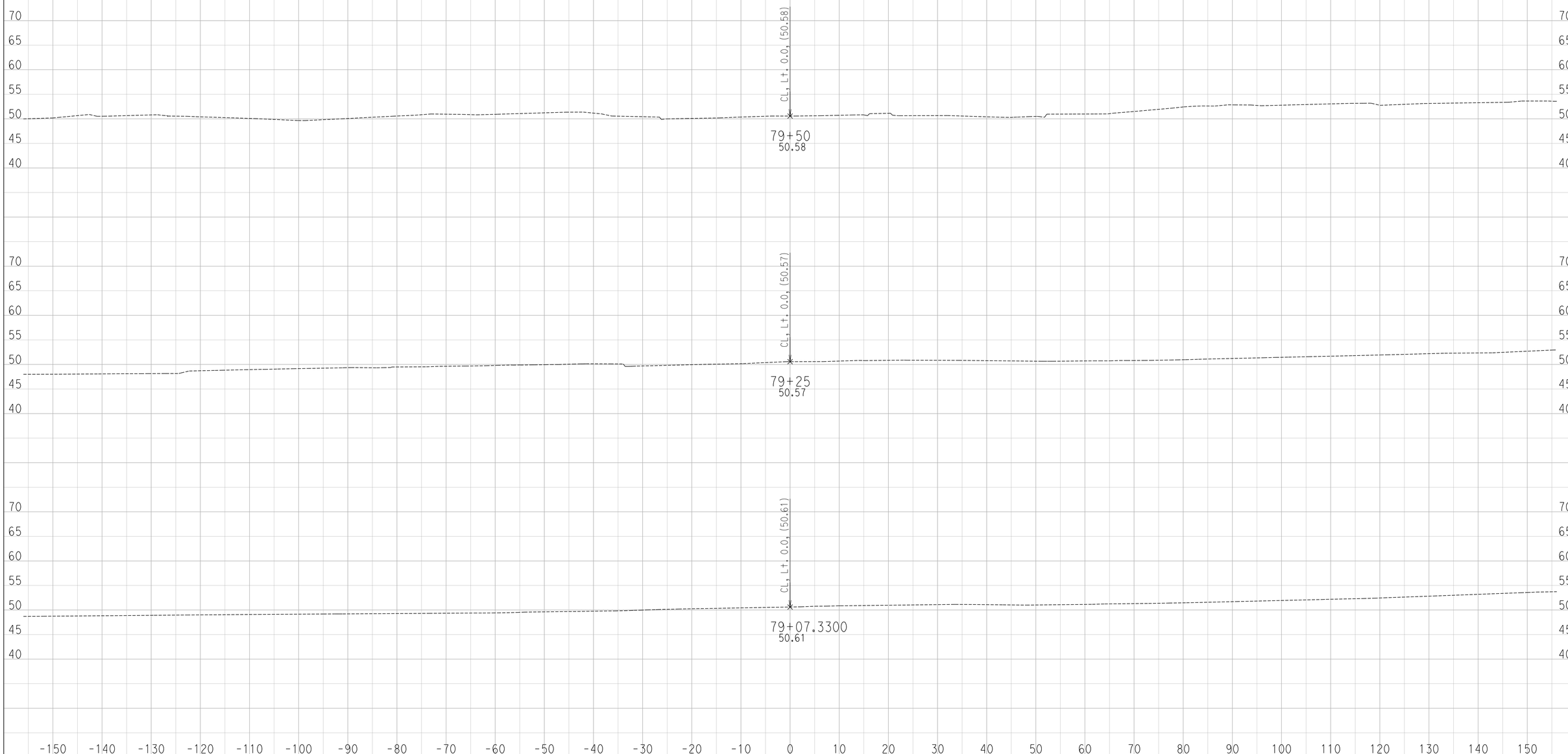
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

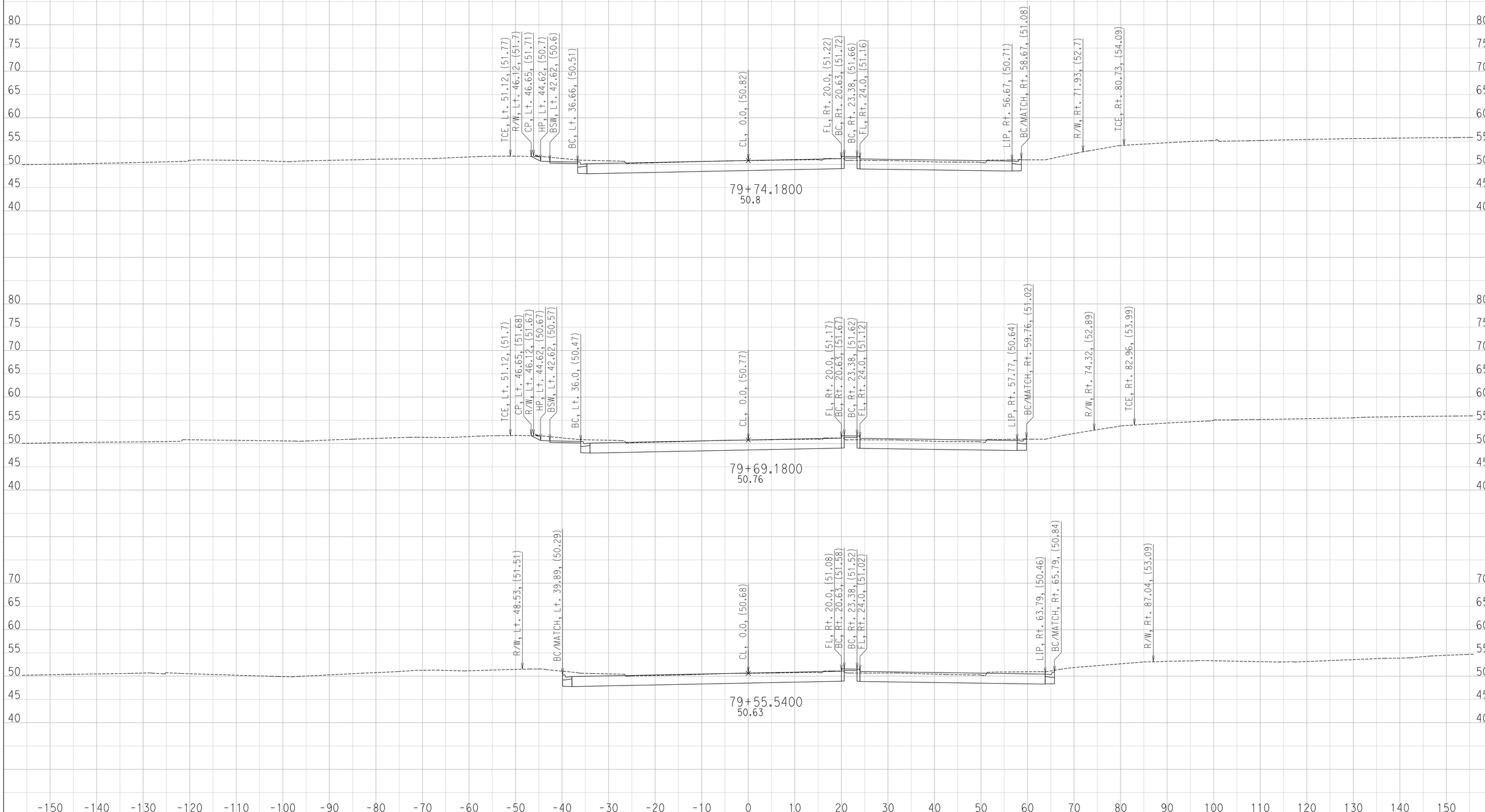
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

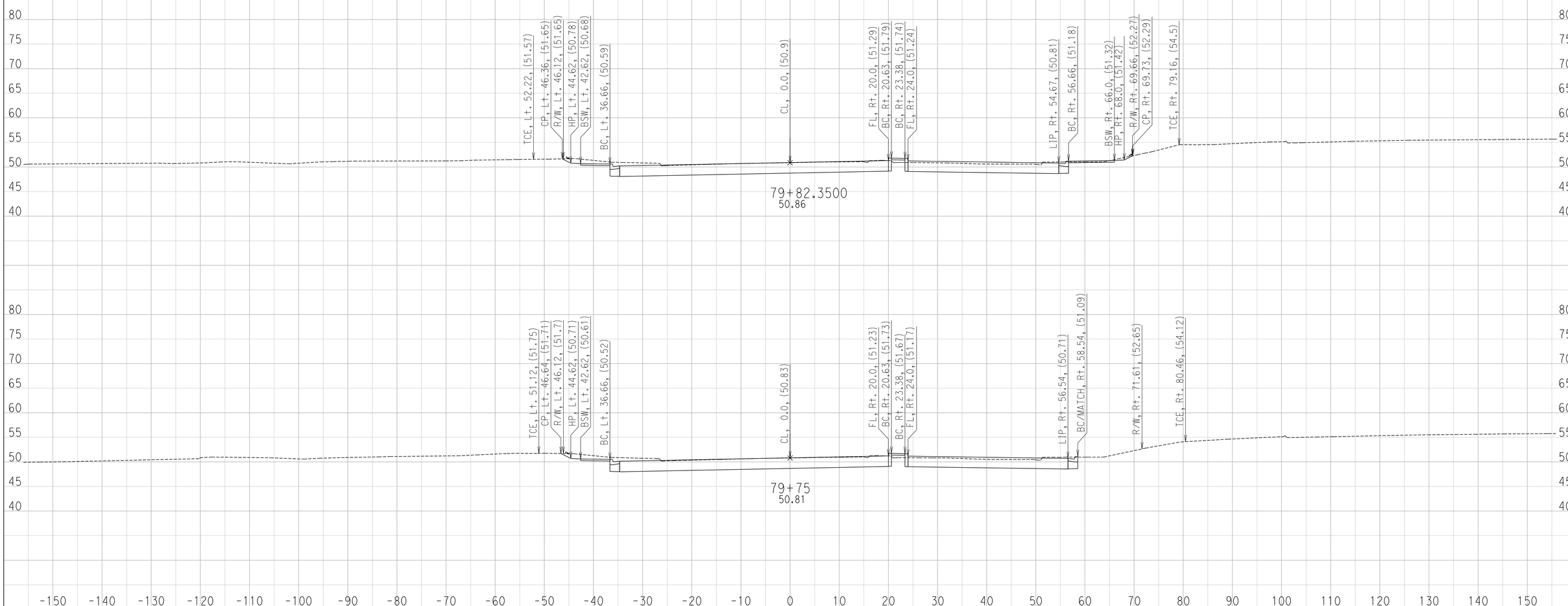
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 3 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

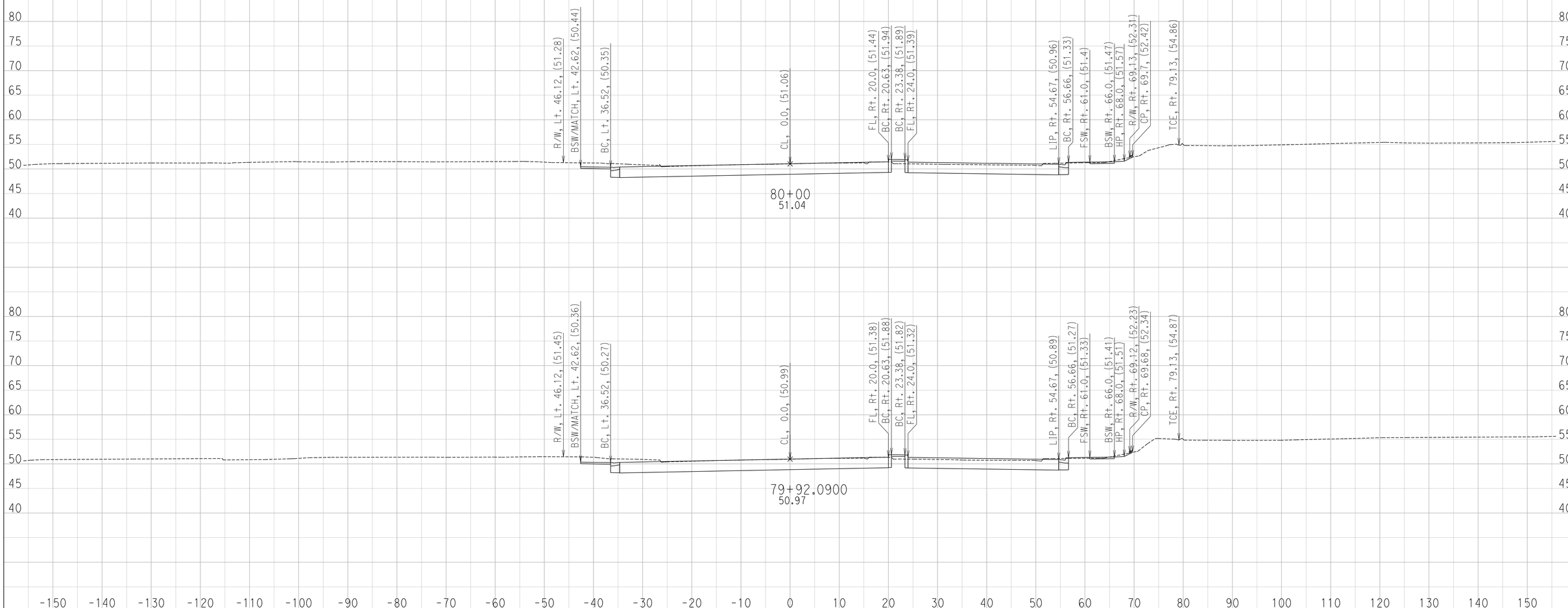
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 4 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

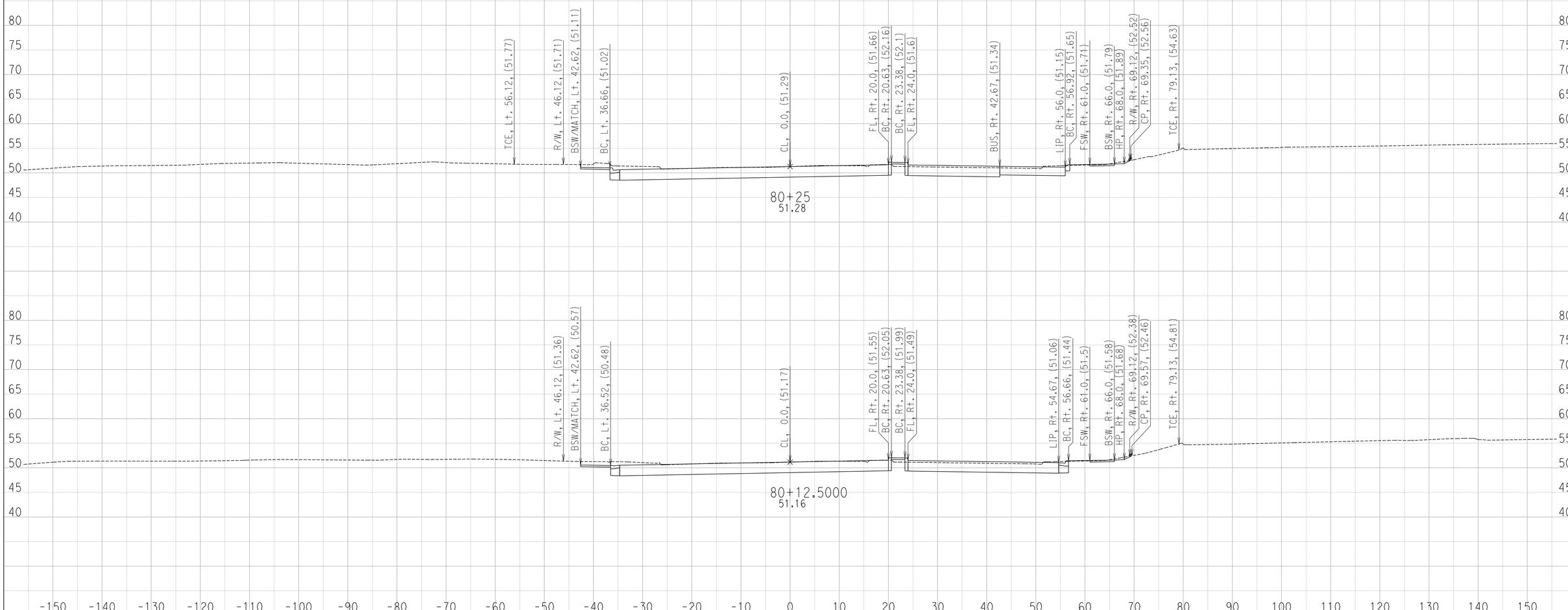
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

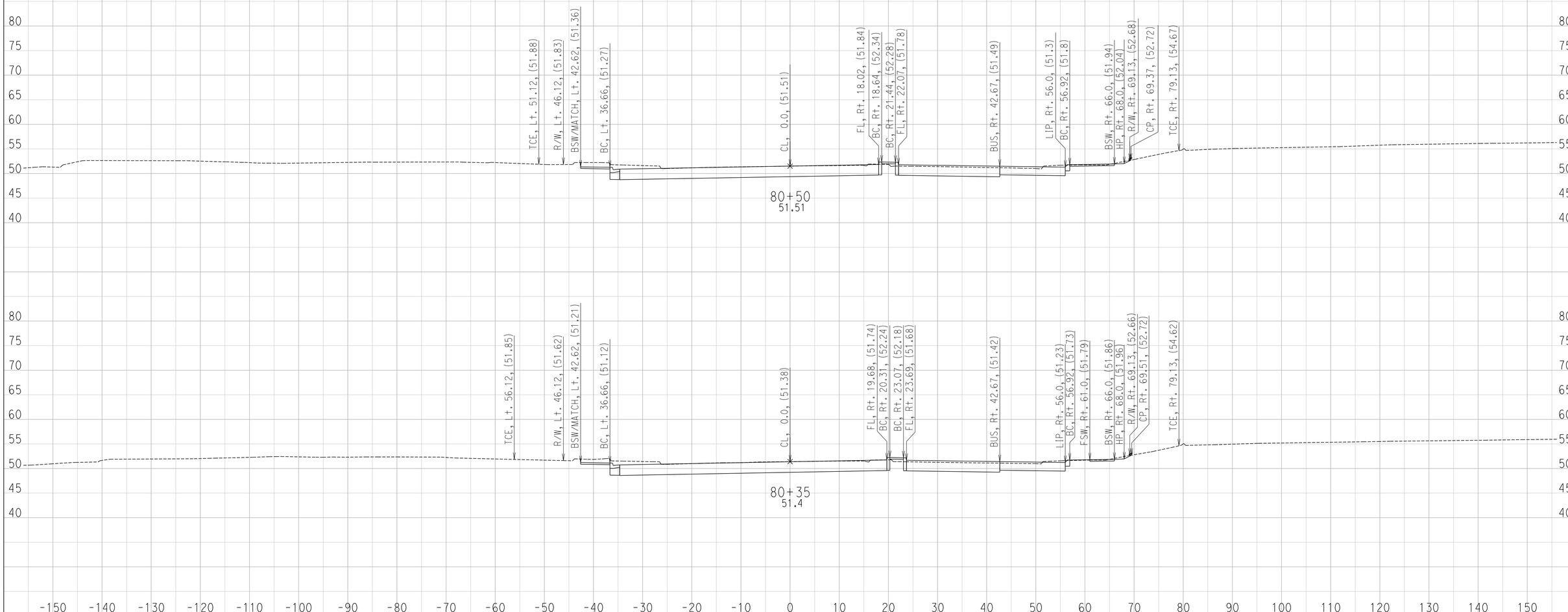
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

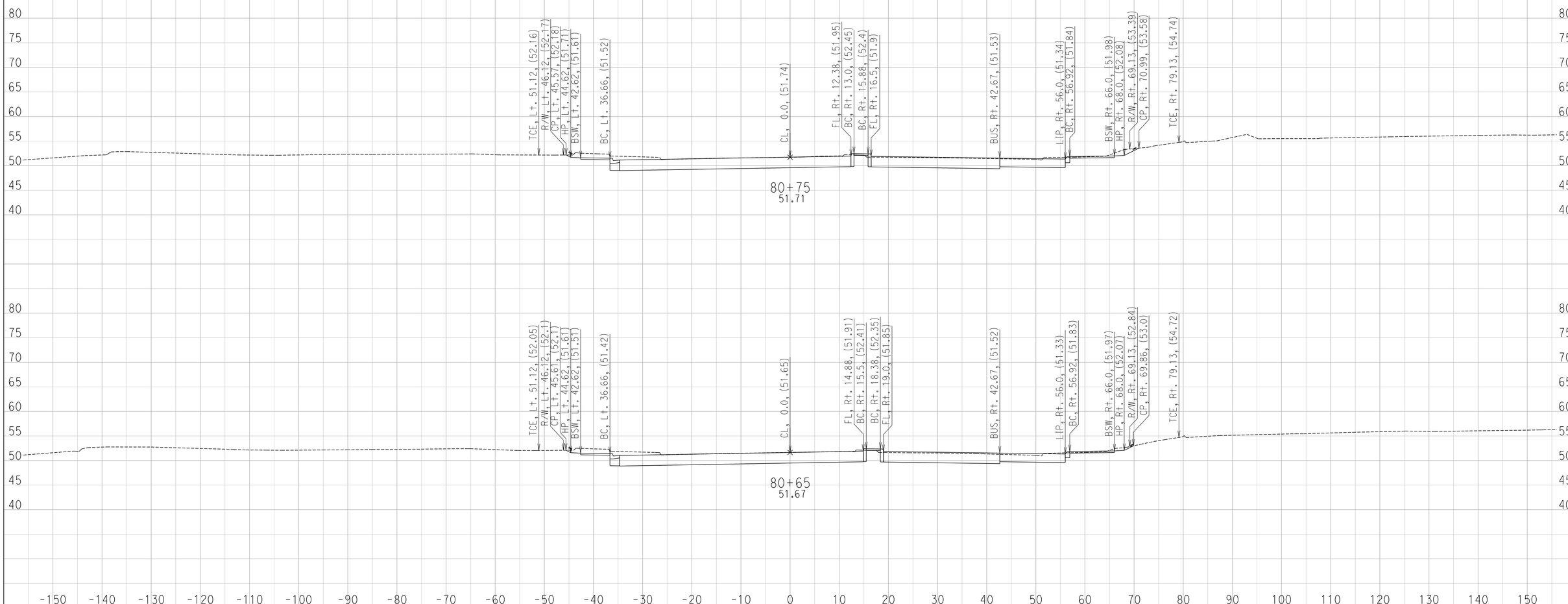
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

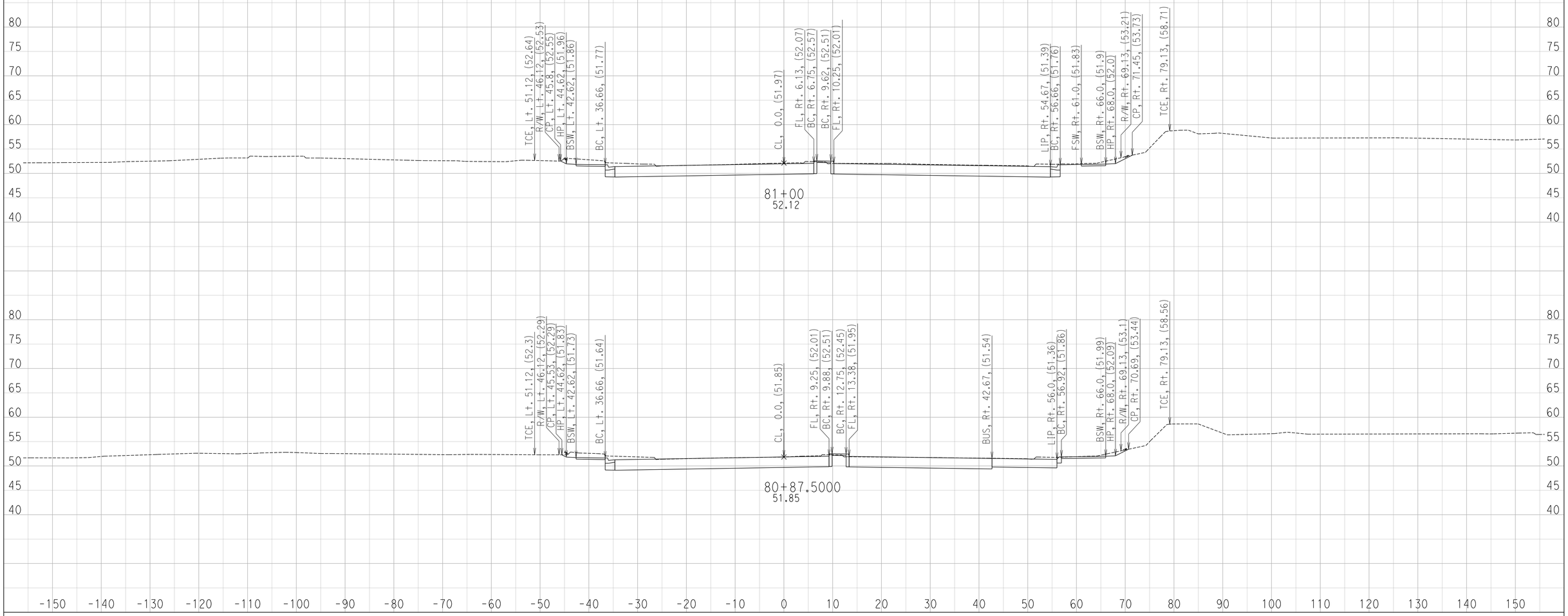
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 8 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

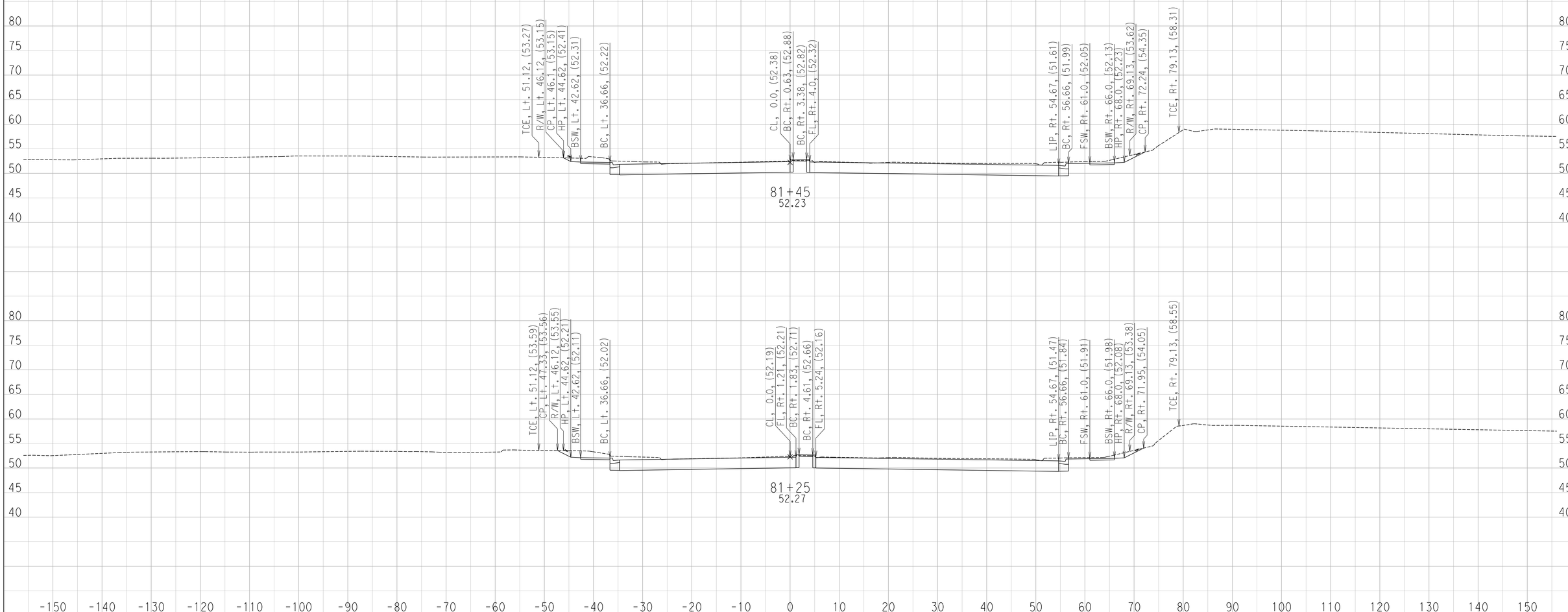
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 9 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

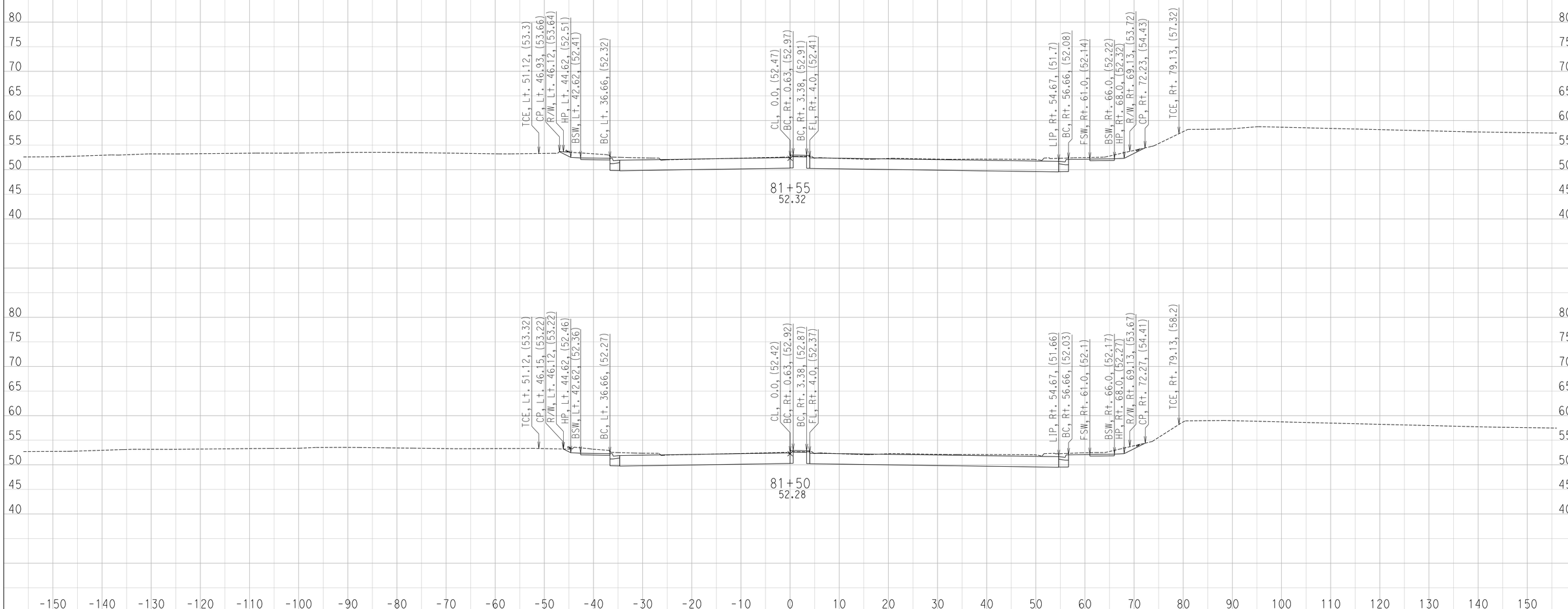
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 10 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

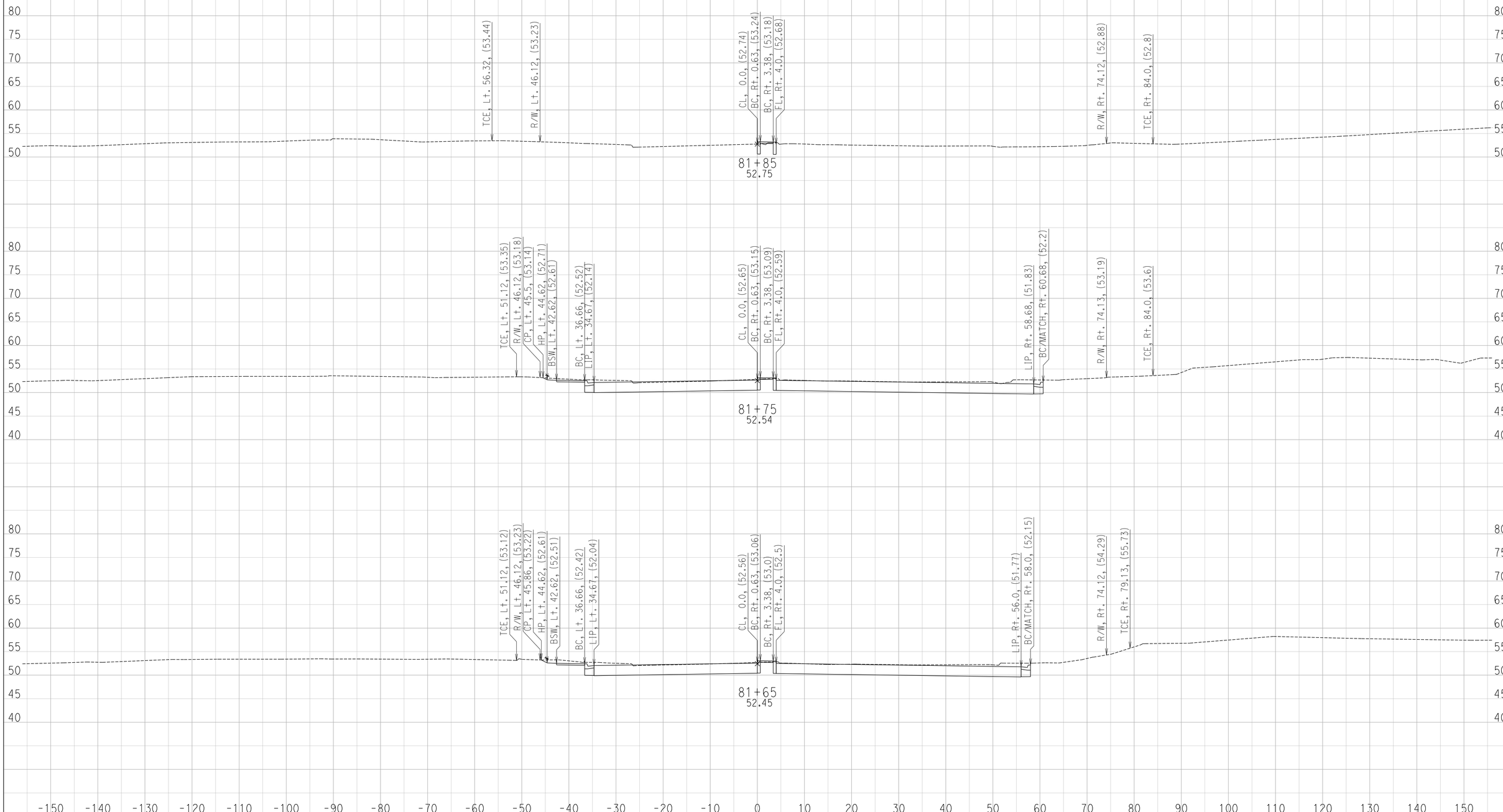
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

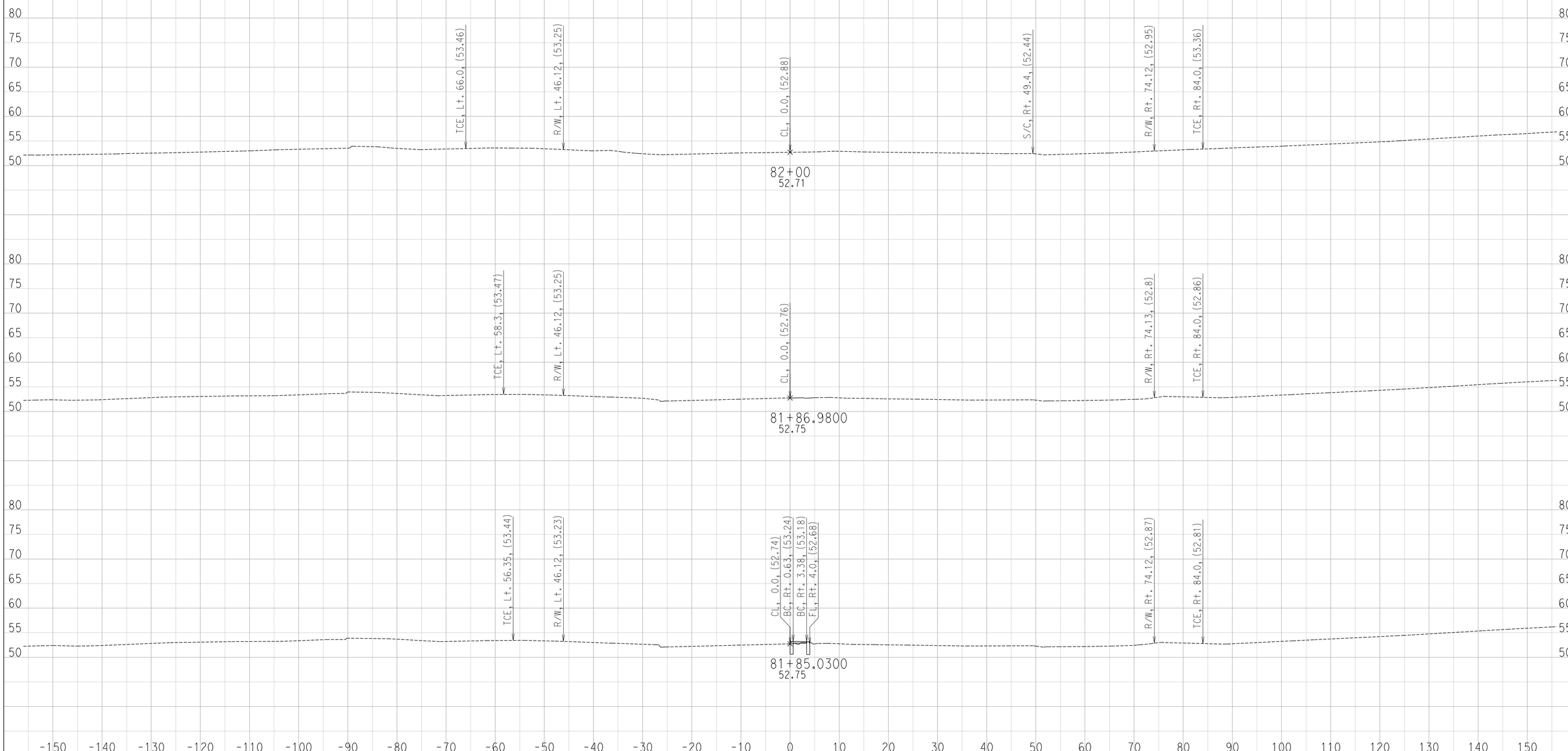
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 12 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

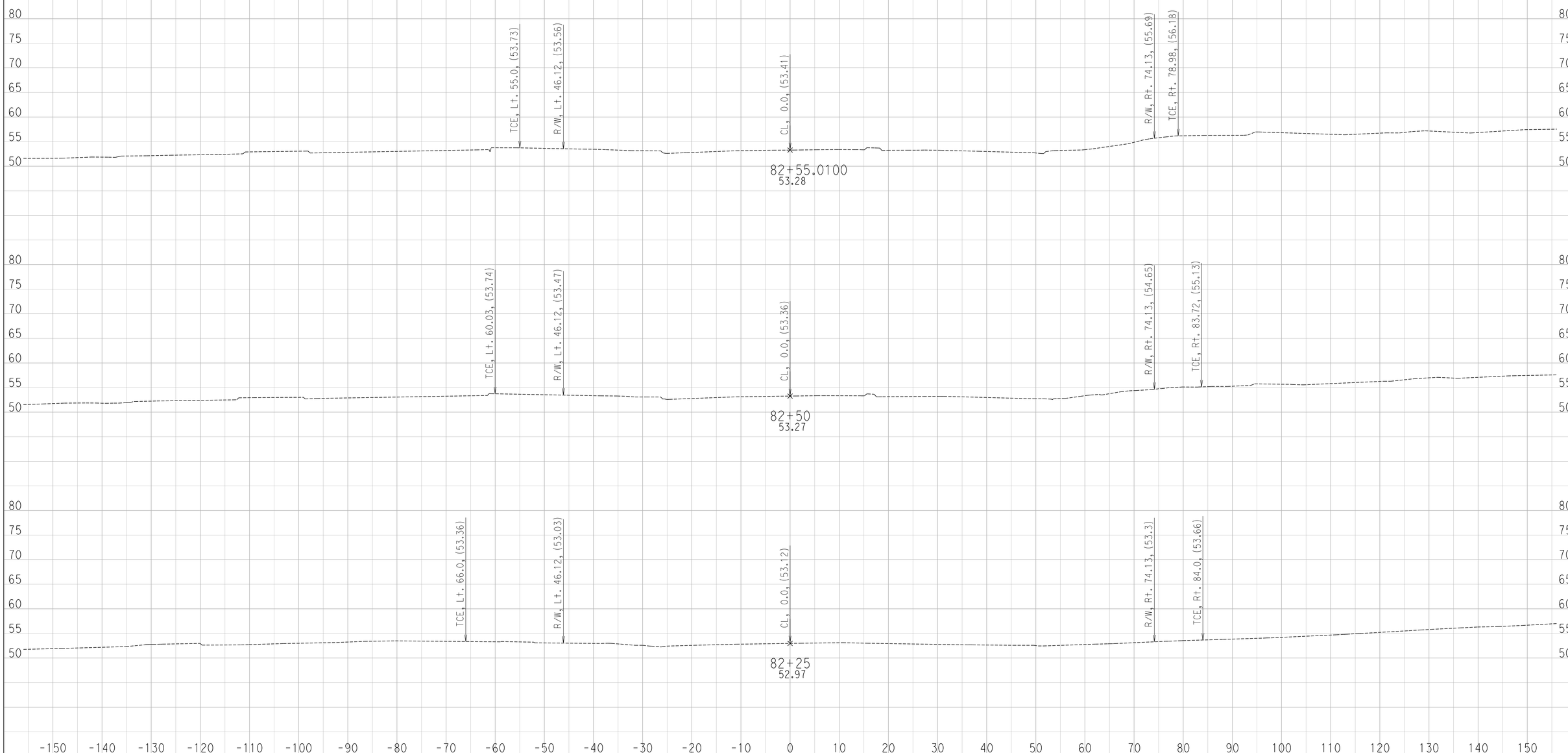
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 13 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

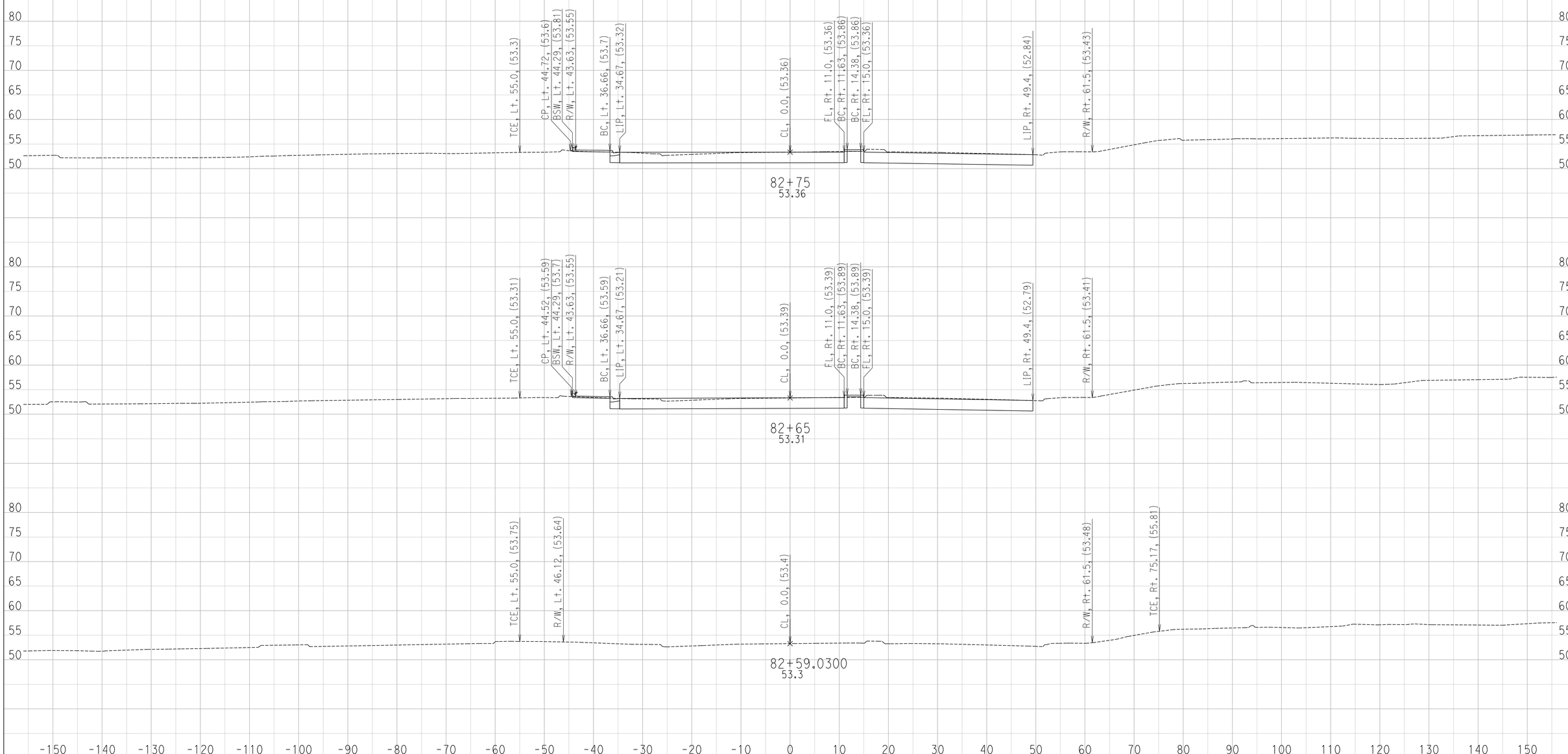
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

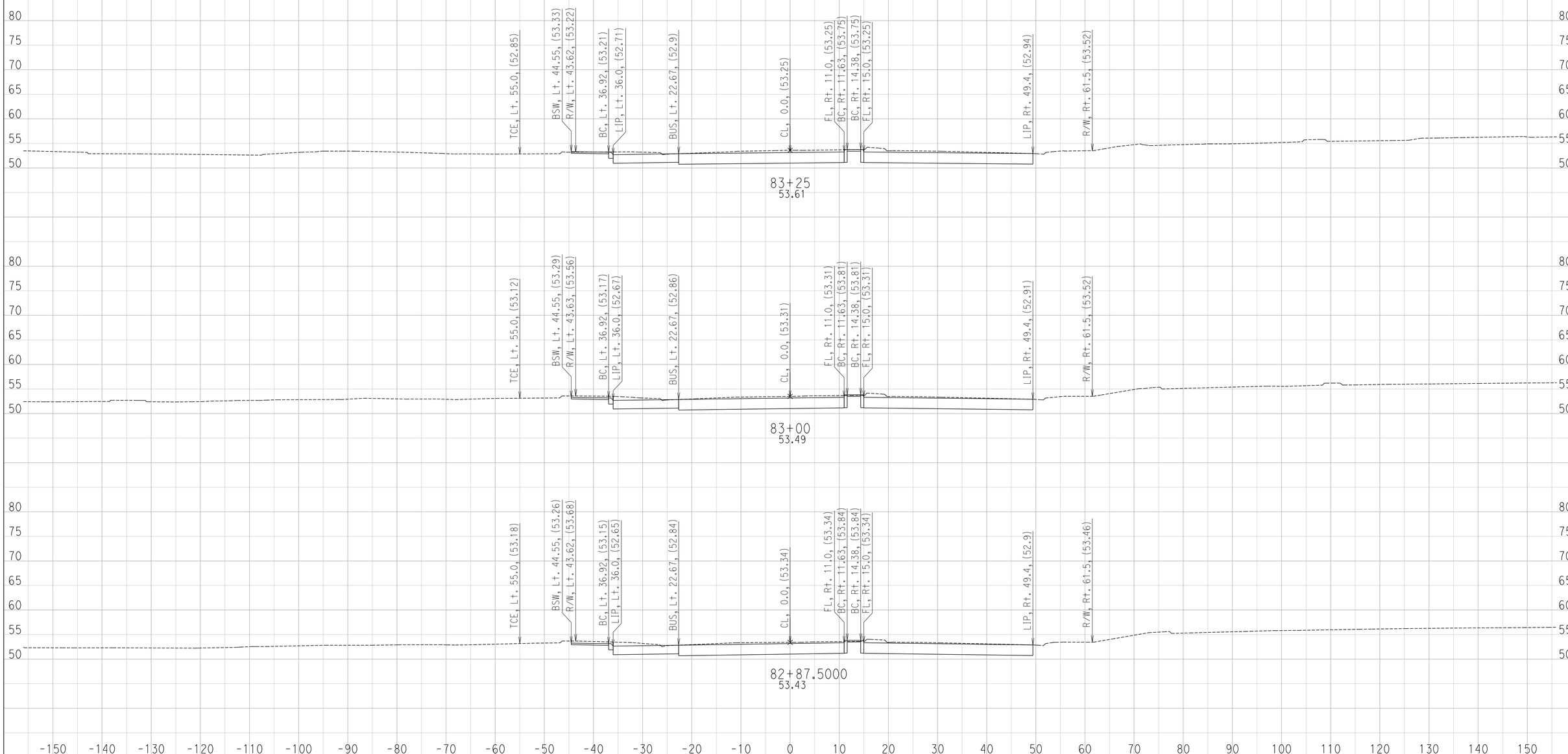
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 15 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

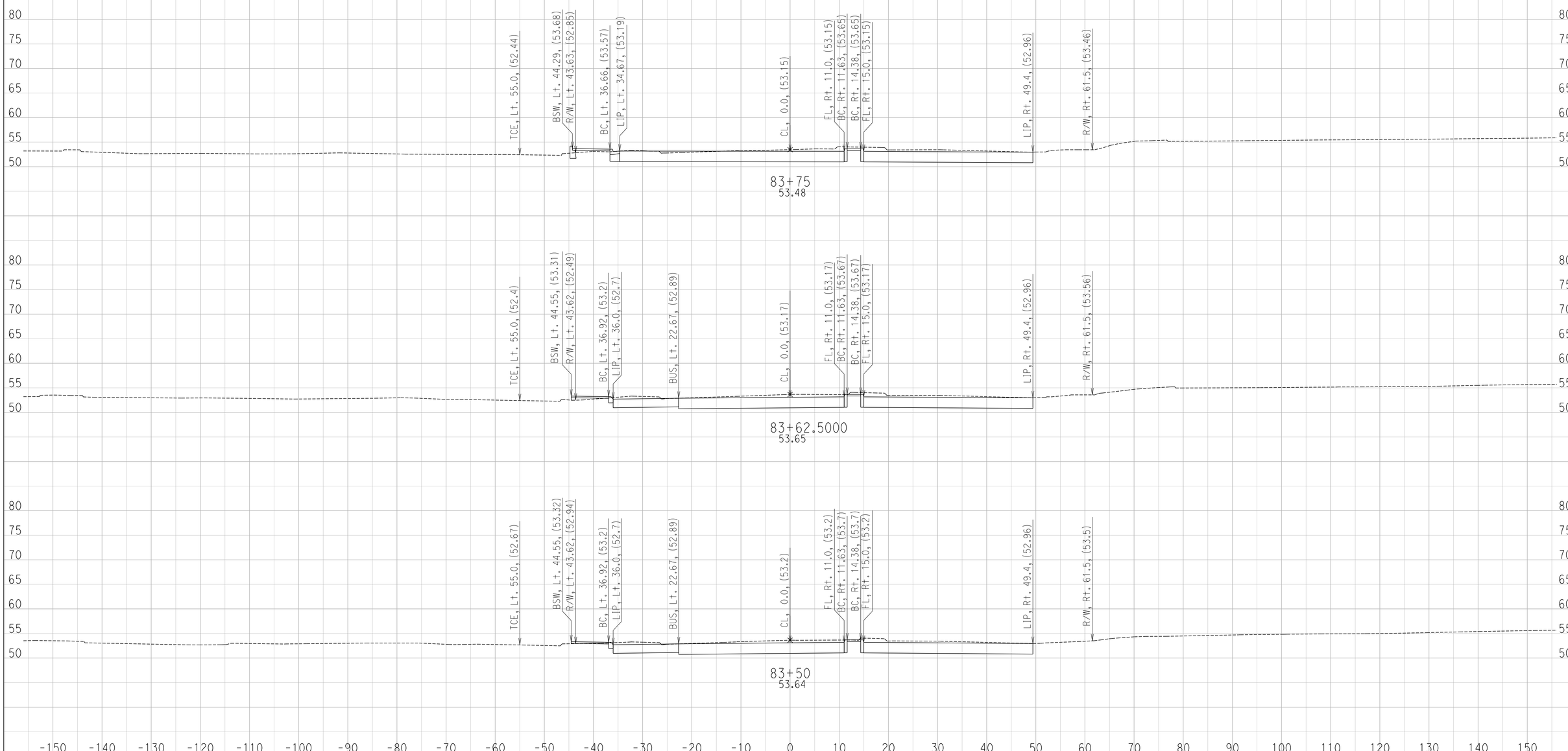
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

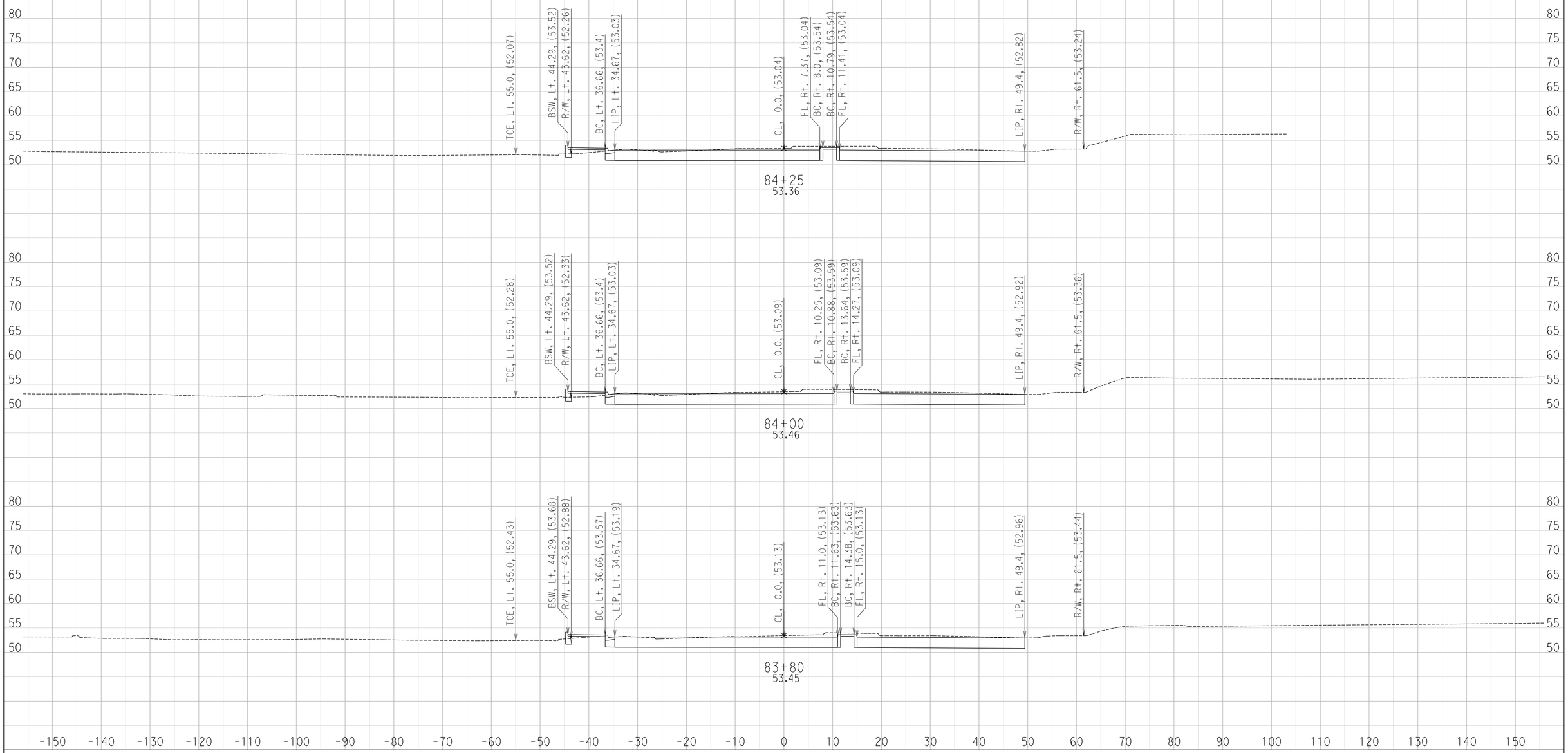
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 17 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

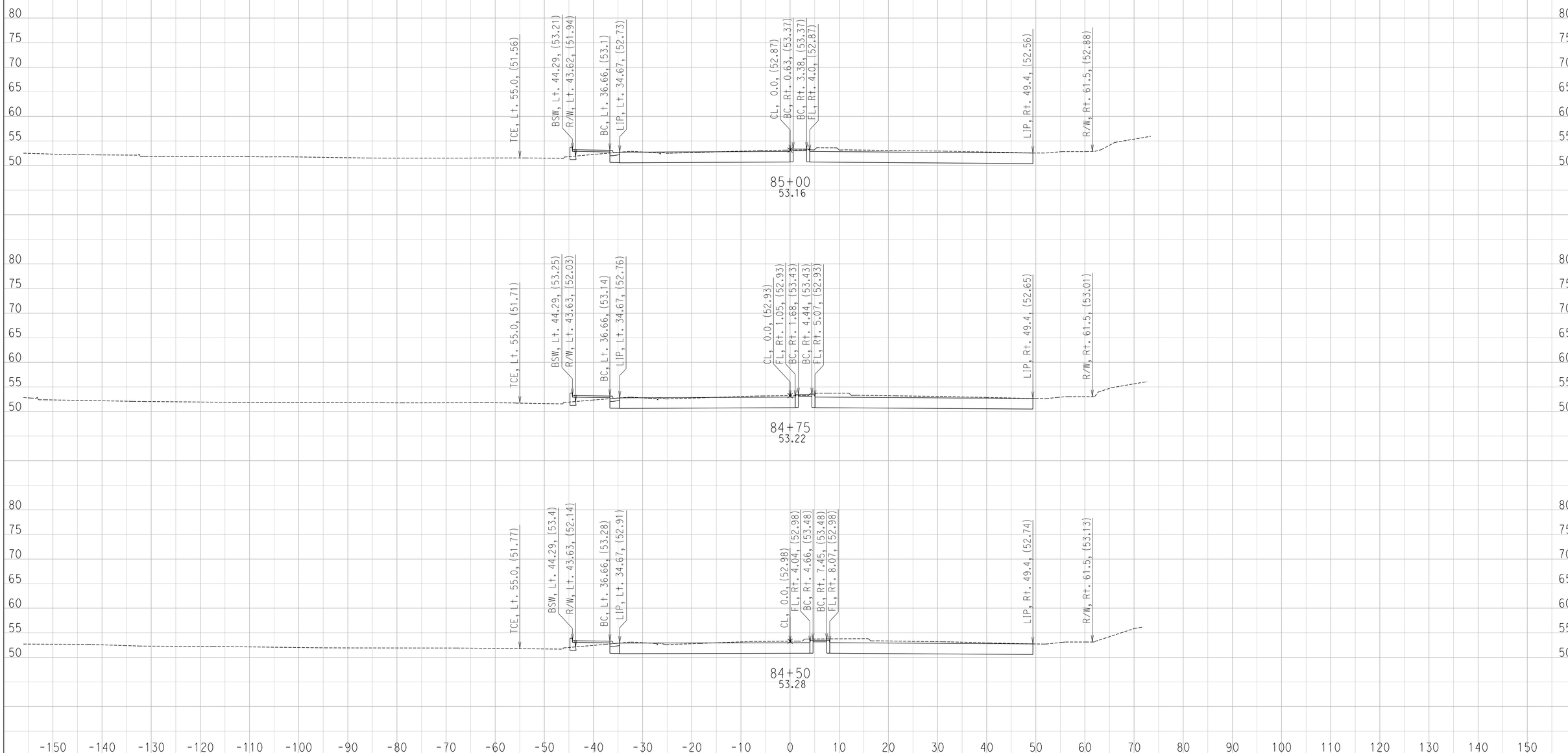
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

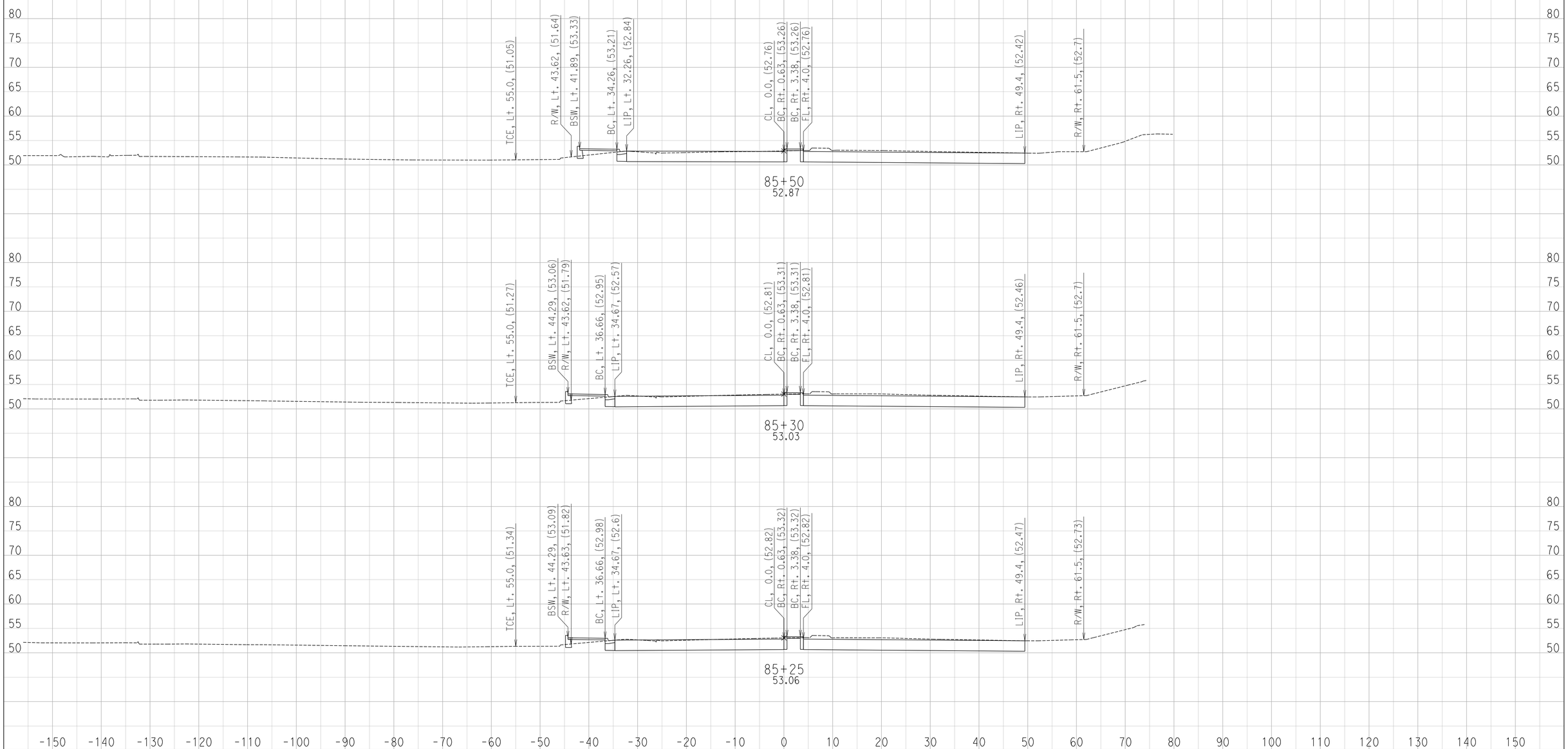
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 19 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

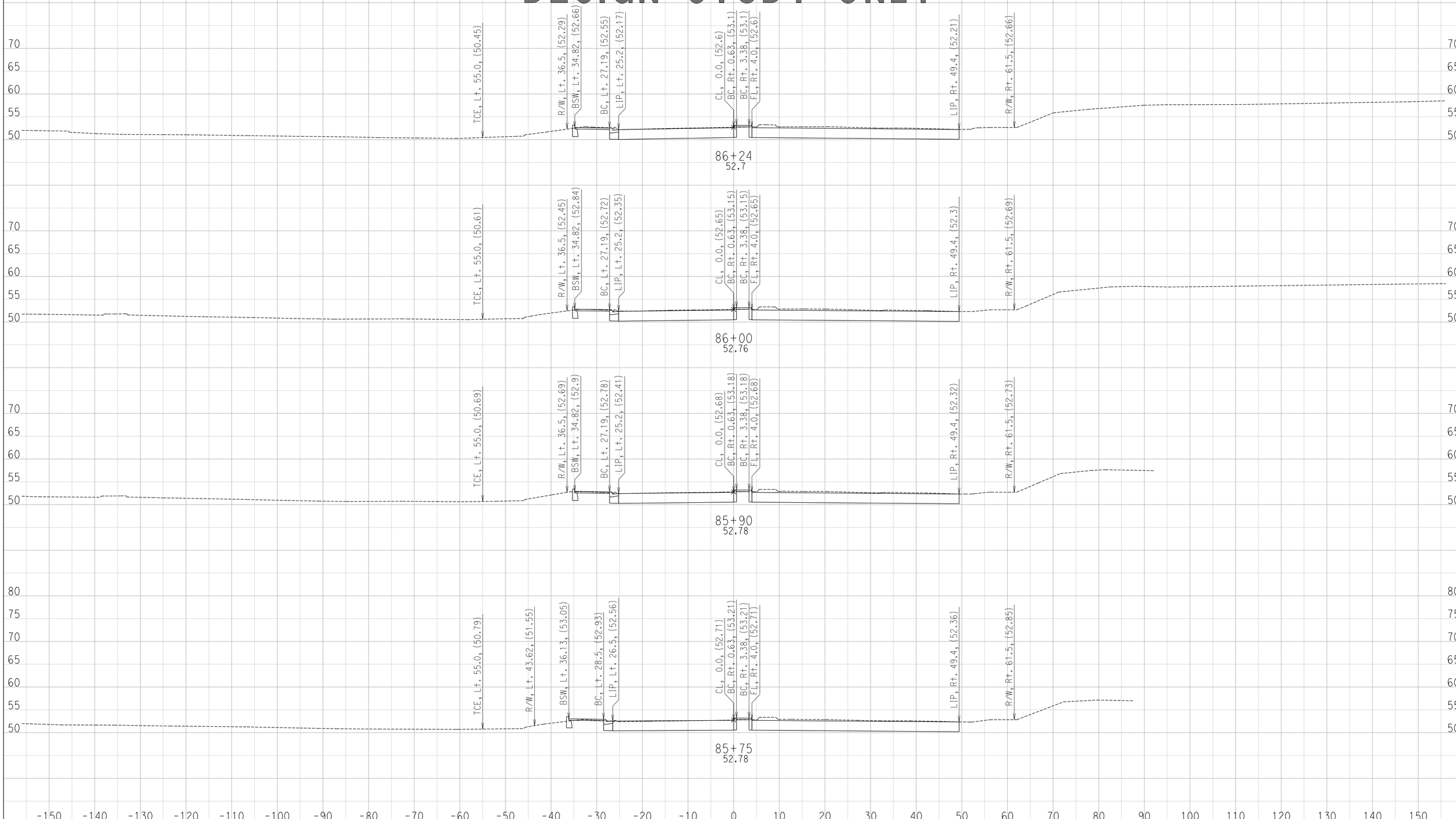
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 20 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

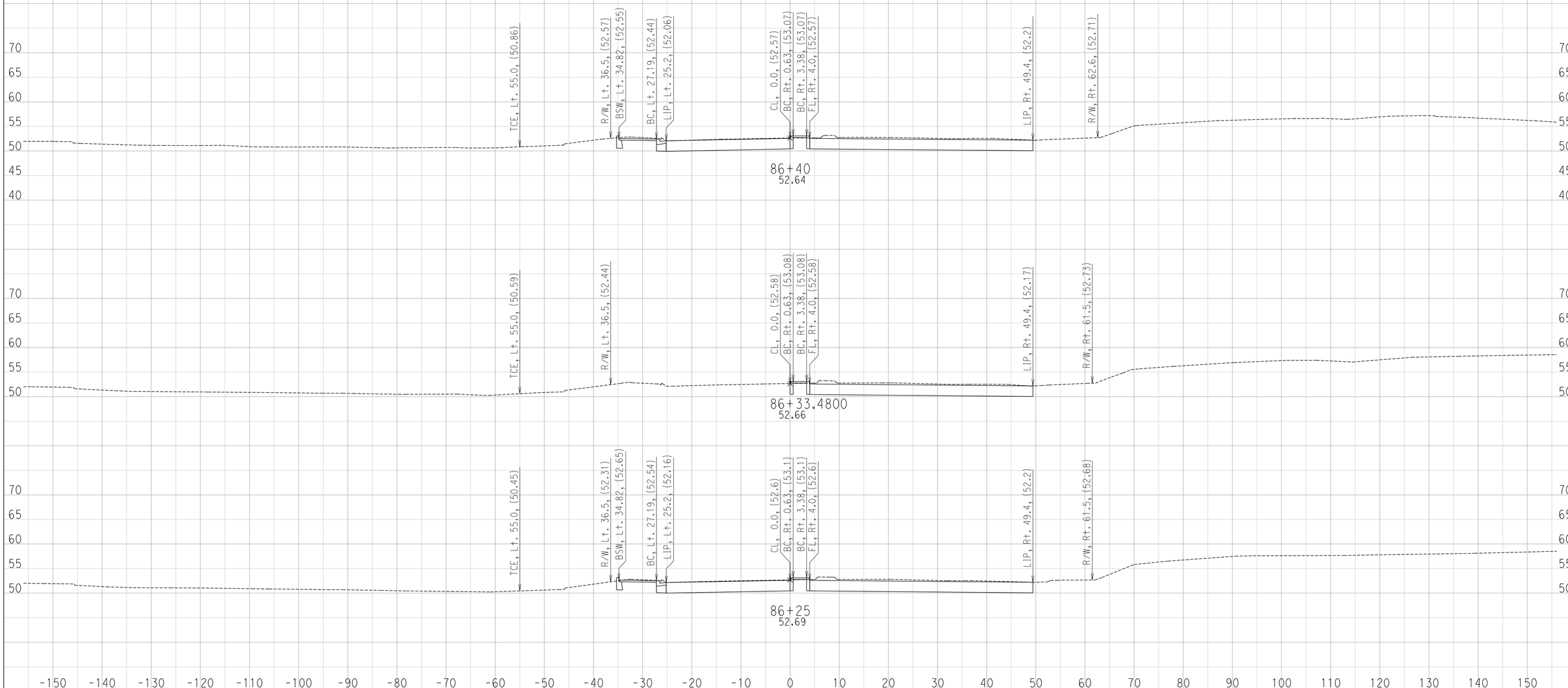
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 21 OF 23

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

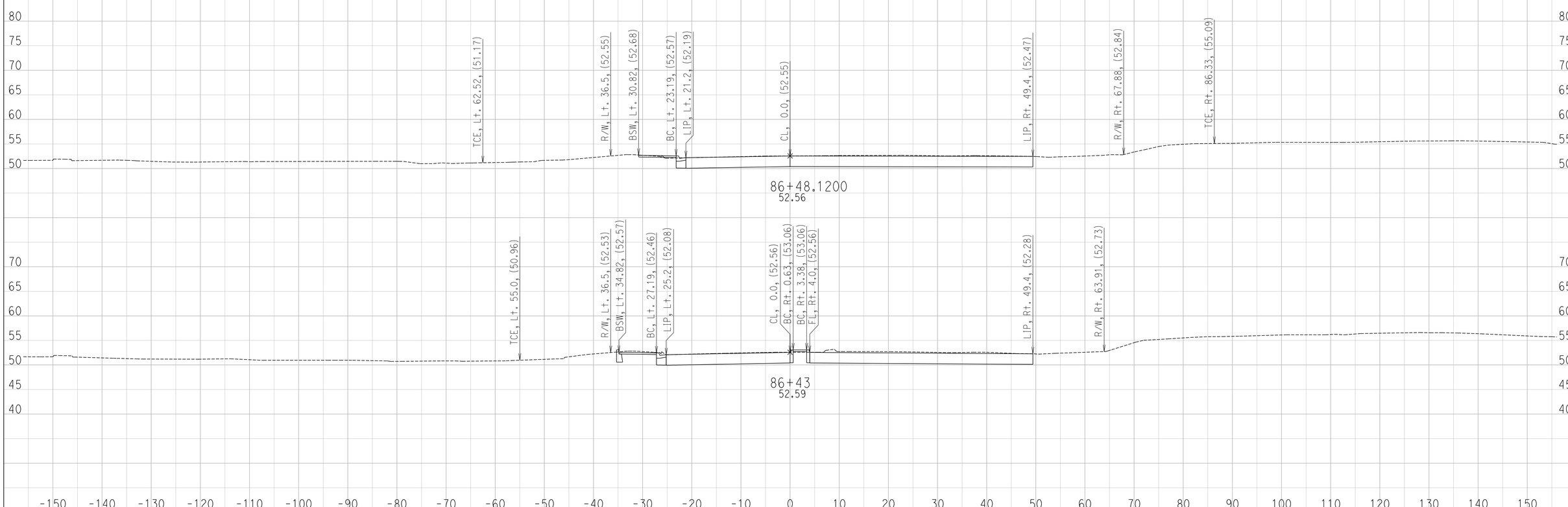
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FN
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

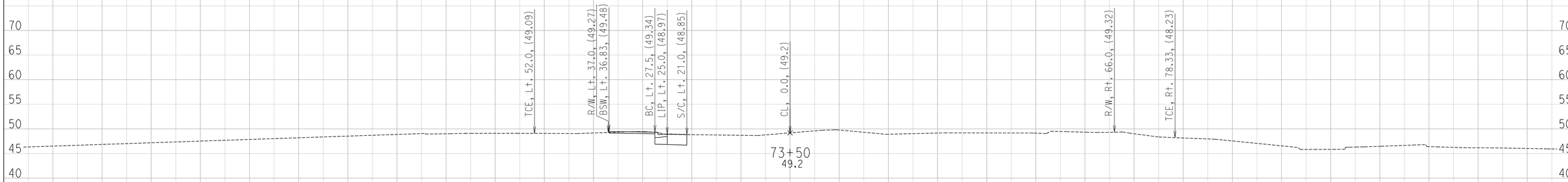
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

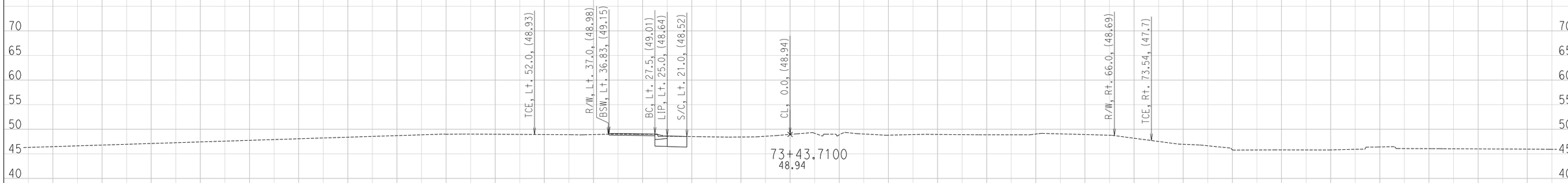
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

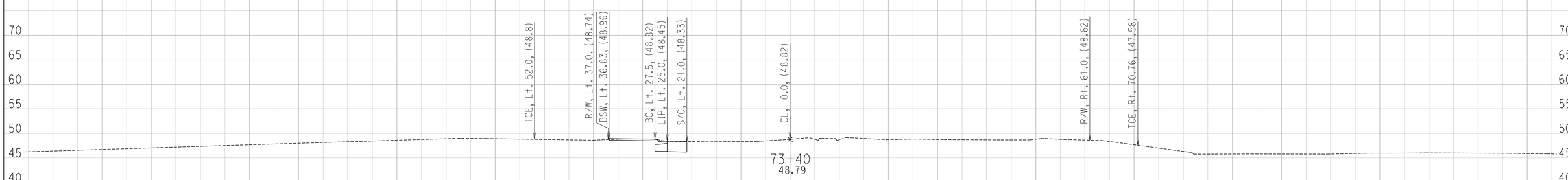
All Dimensions are US Survey Feet

FN
CROSS SECTIONS
SHEET 23 OF 23

DESIGN STUDY ONLY







CREATED BY: Ryan S.
DATE: 6/28/2016

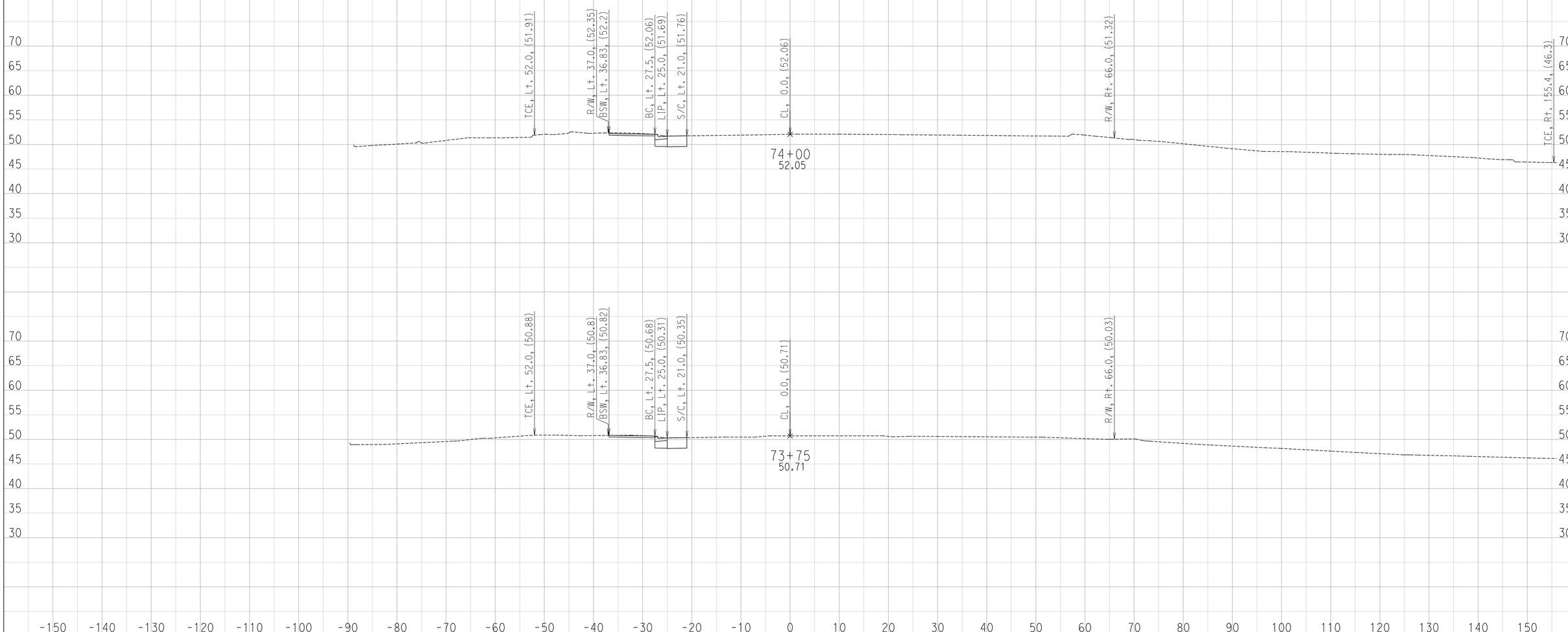
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS
SHEET 1 OF 14

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

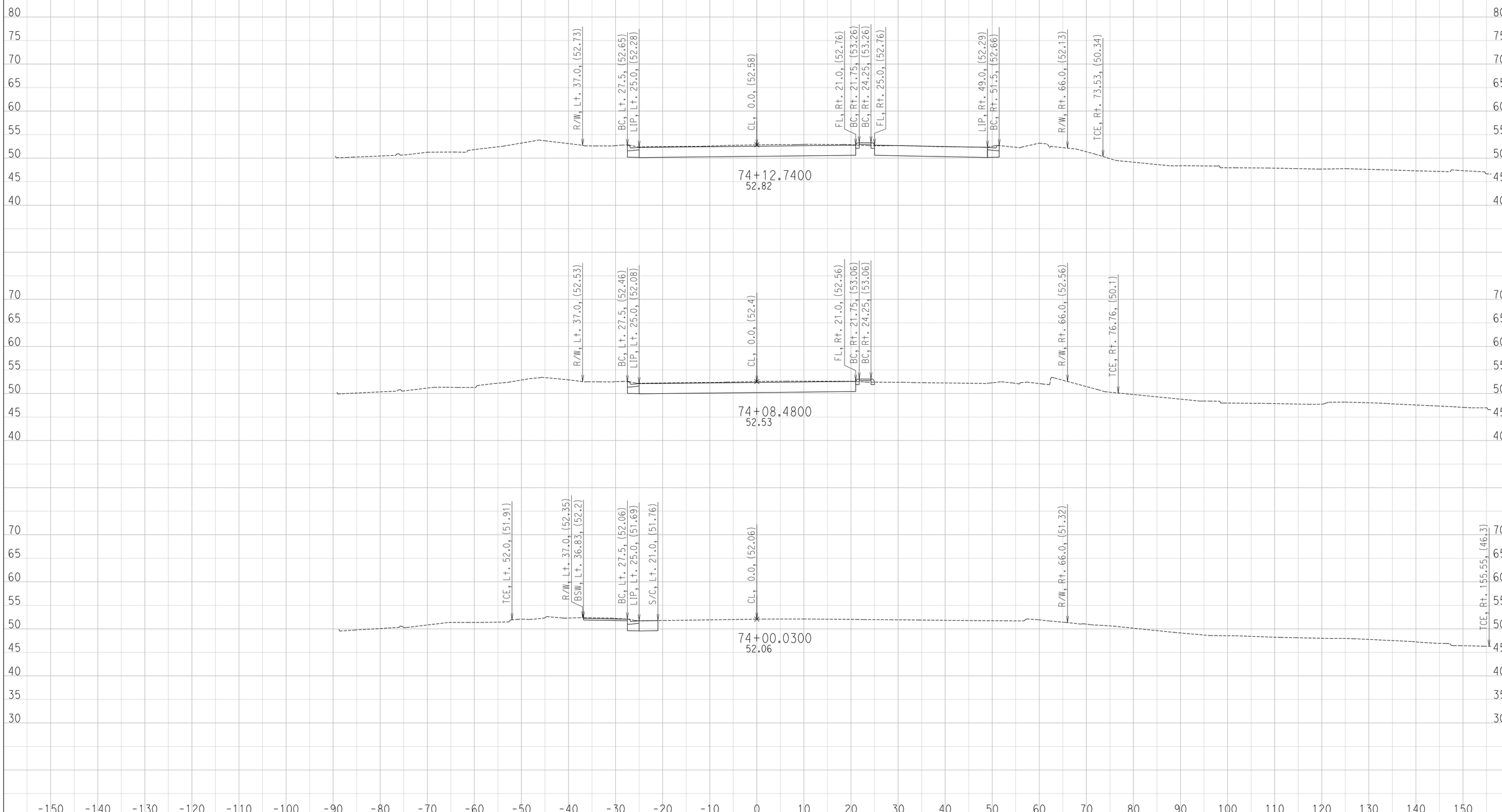
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS
SHEET 2 OF 14

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

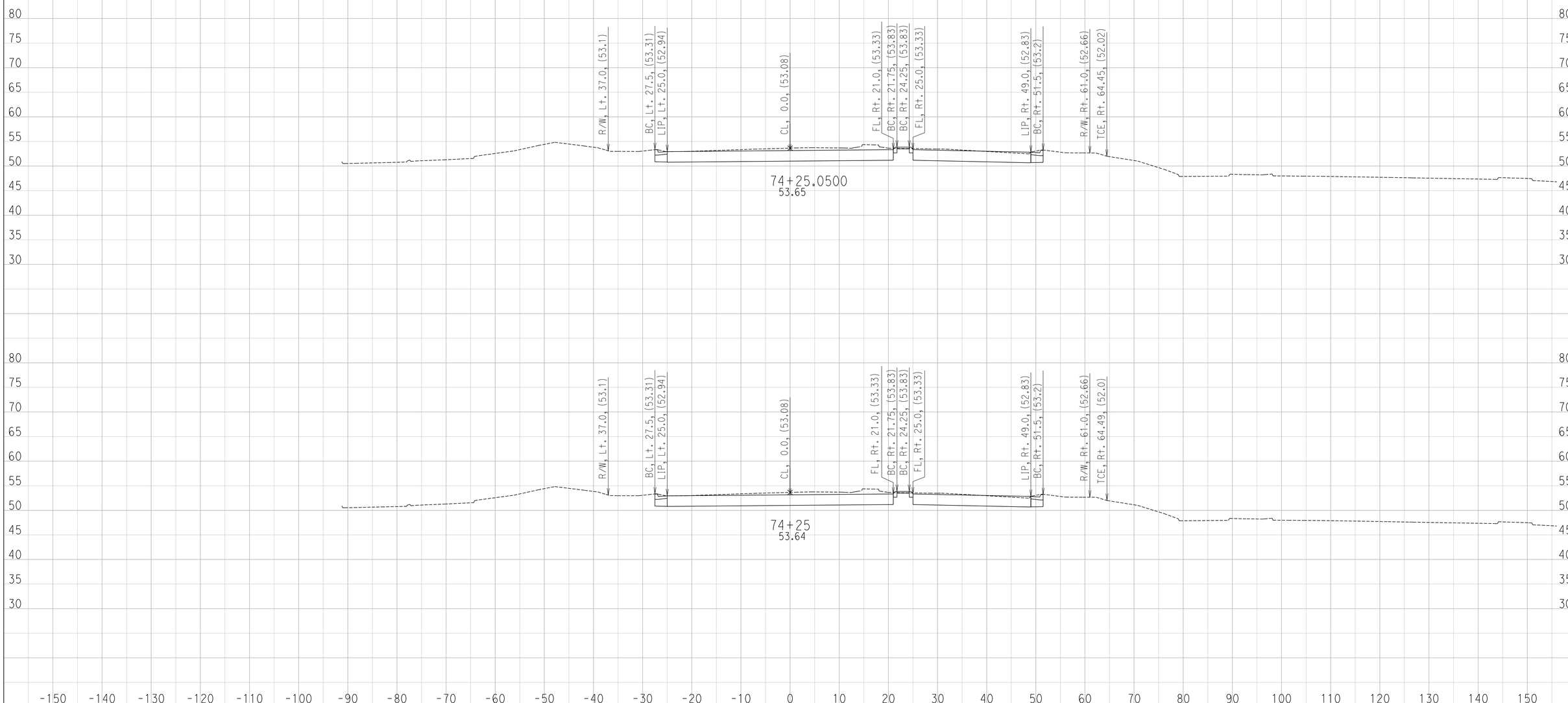
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS
SHEET 3 OF 14

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

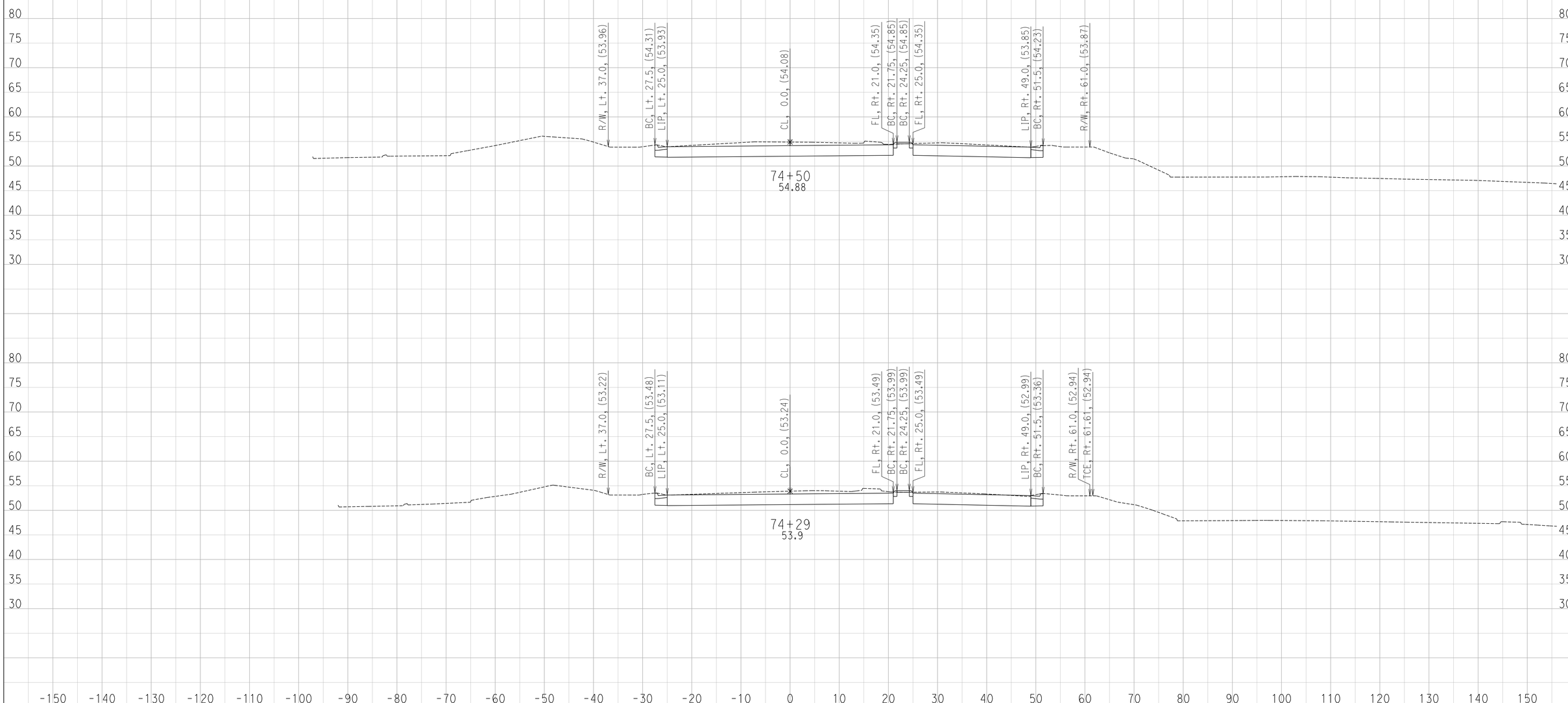
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS
SHEET 4 OF 14

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

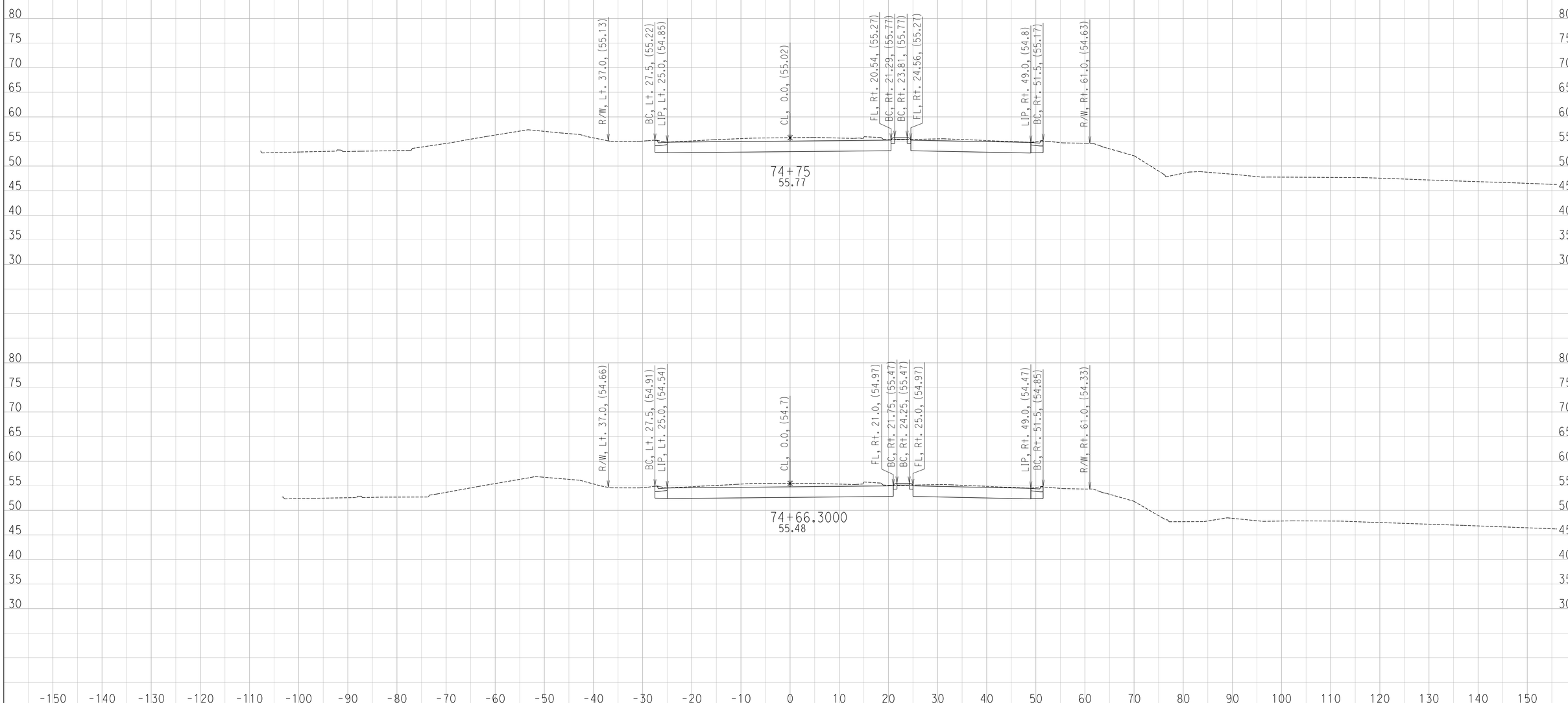
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

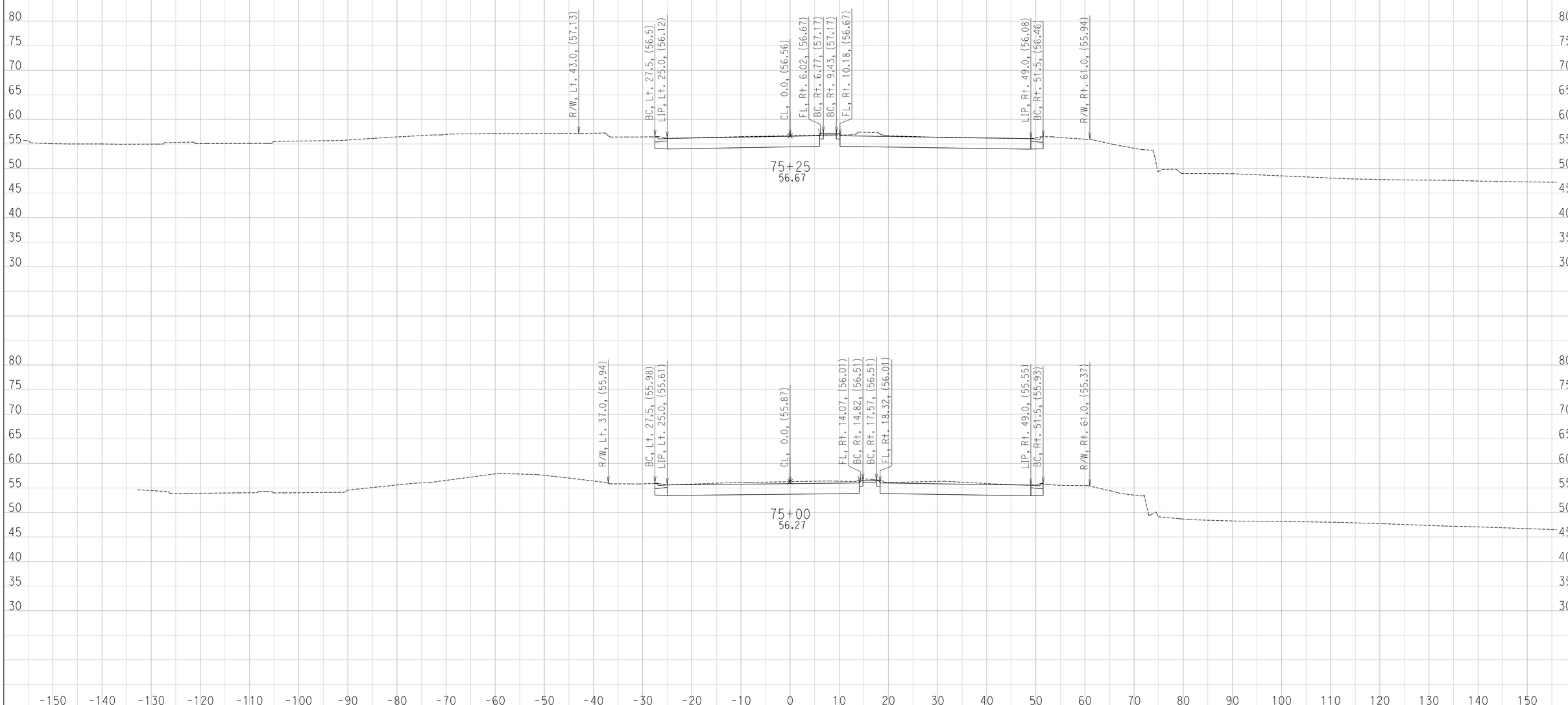
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS
SHEET 6 OF 14

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

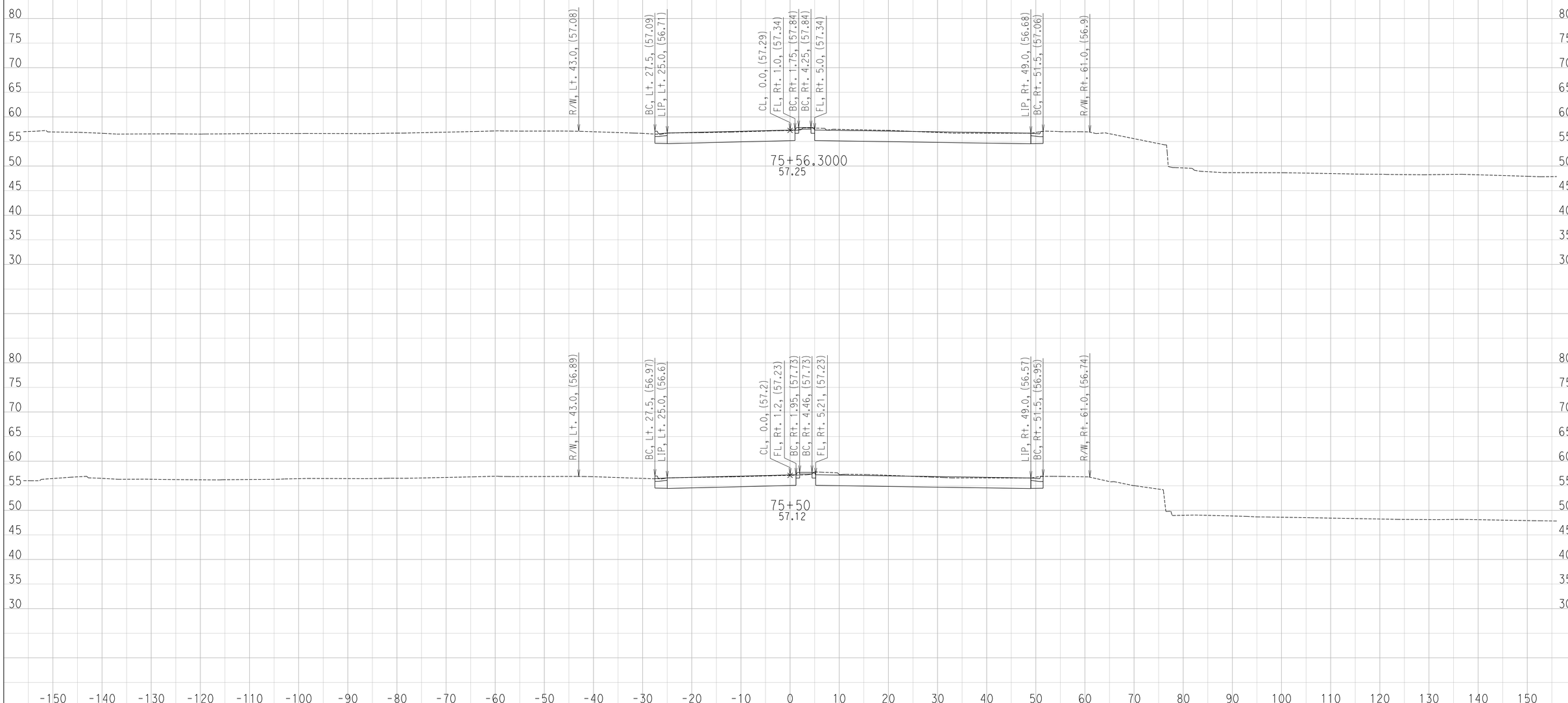
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

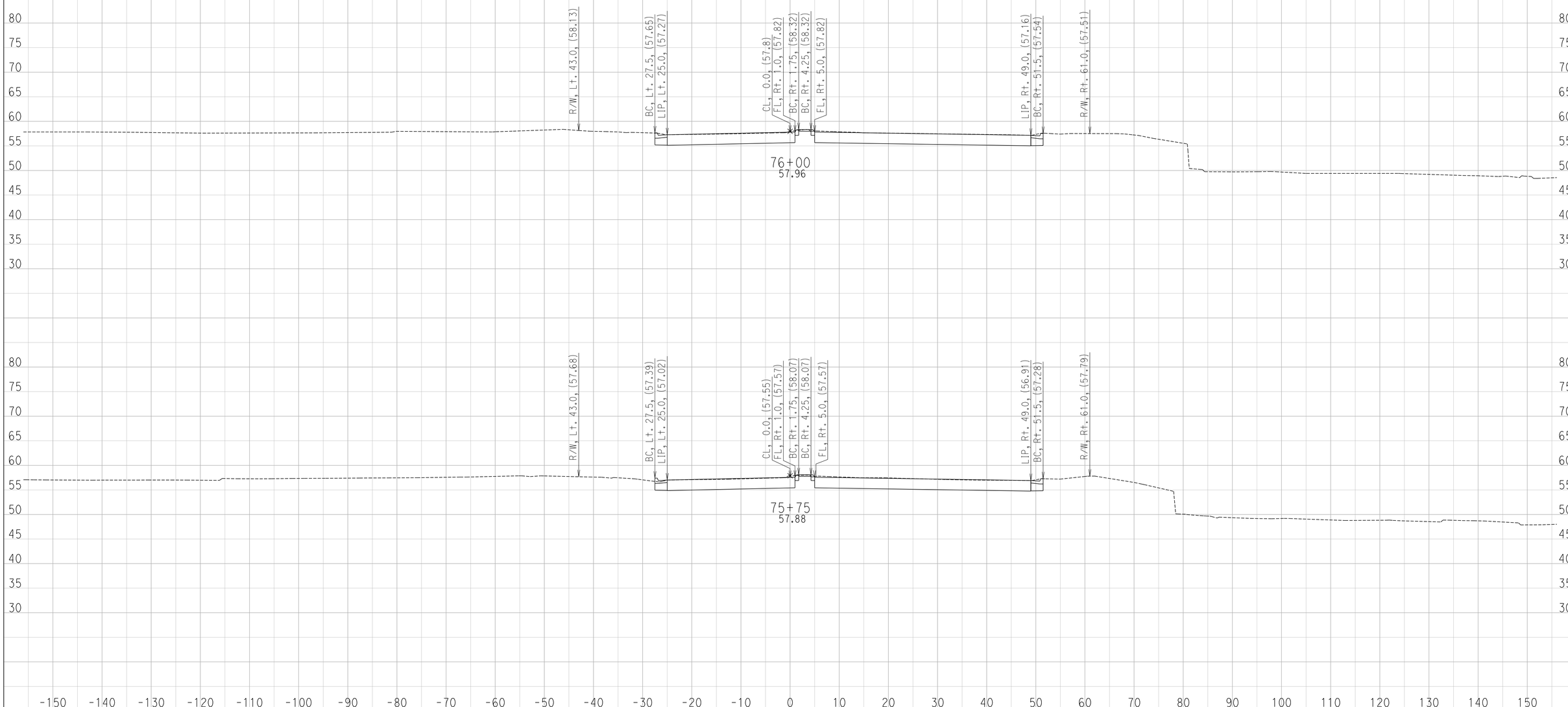
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

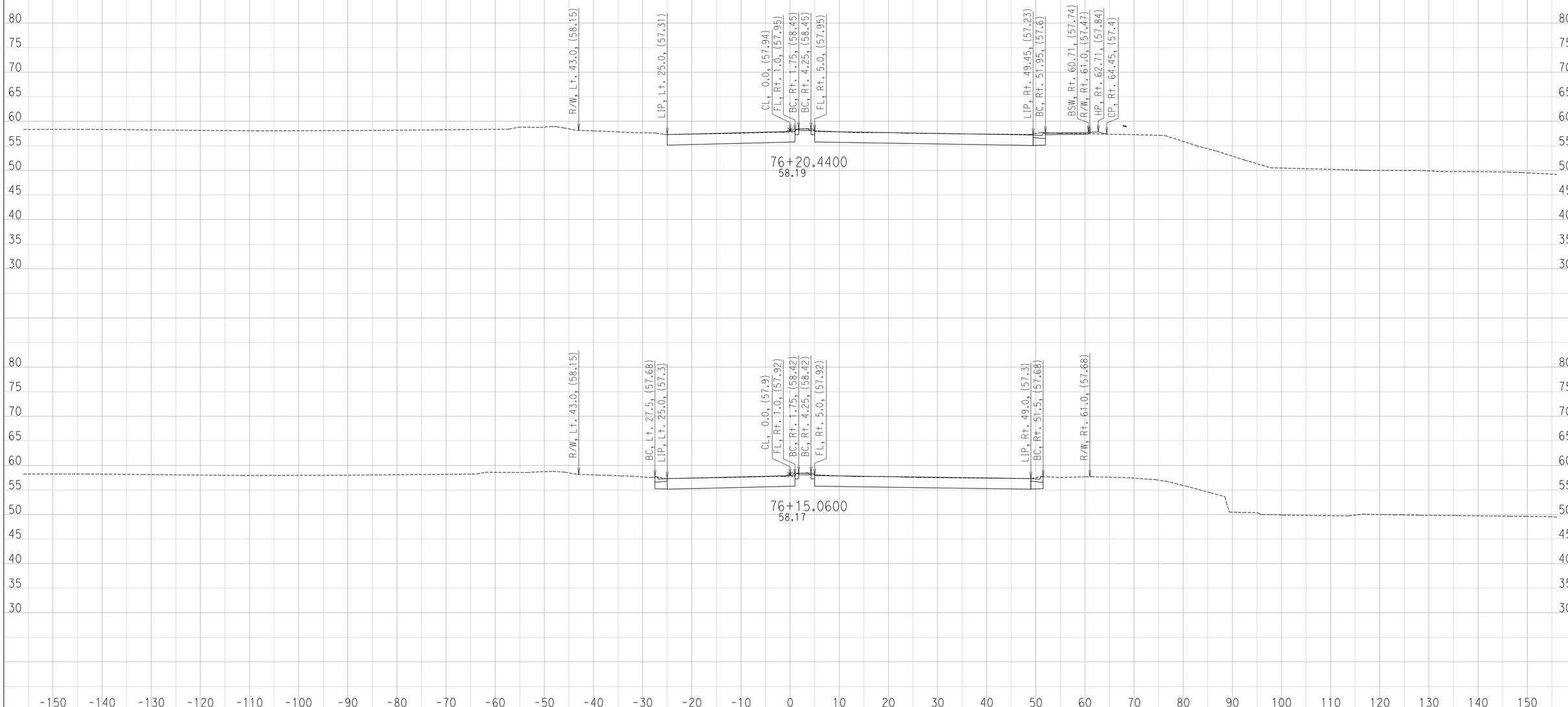
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

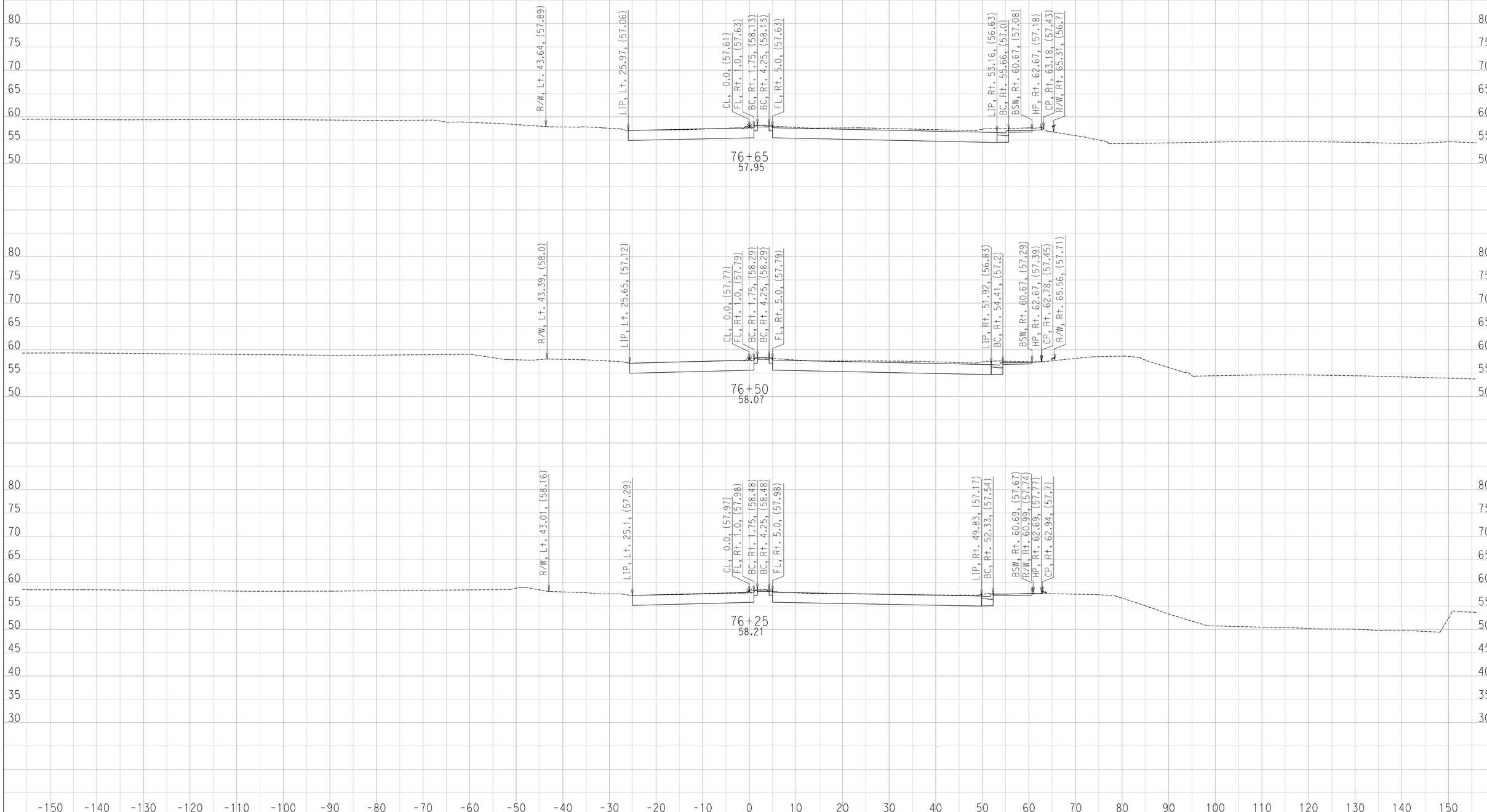
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS
SHEET 10 OF 14

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

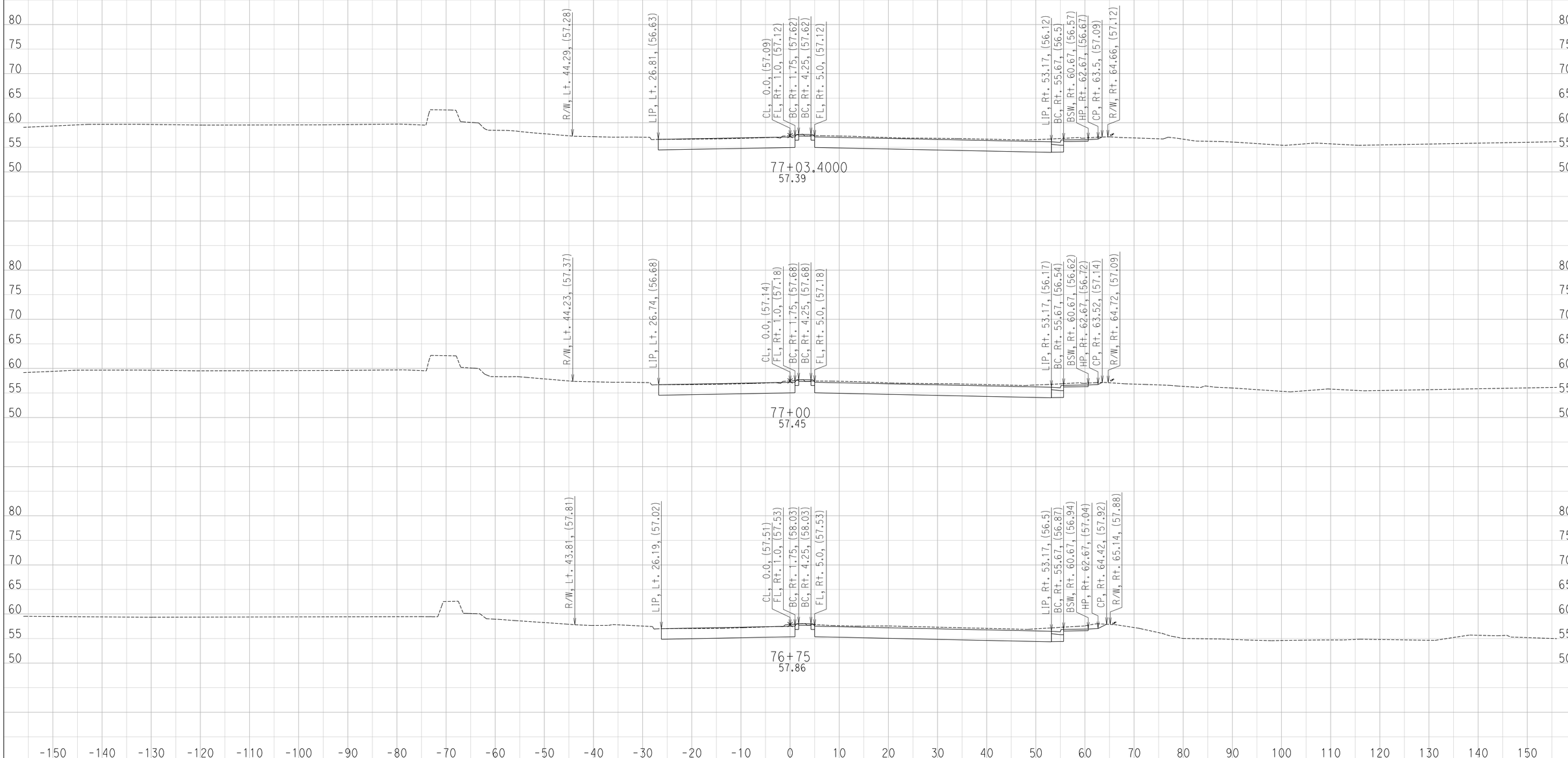
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS
SHEET 11 OF 14

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

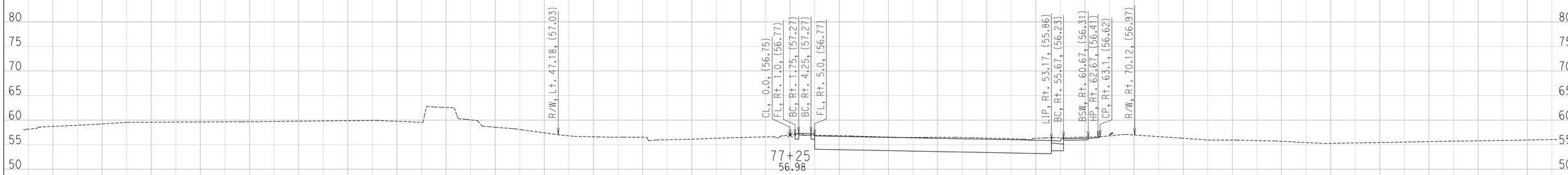
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

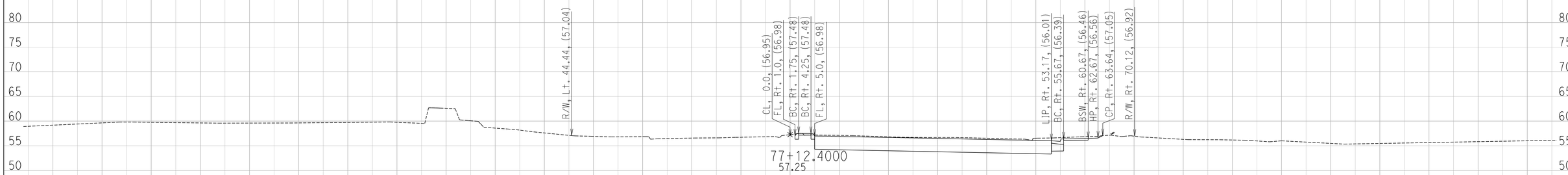
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

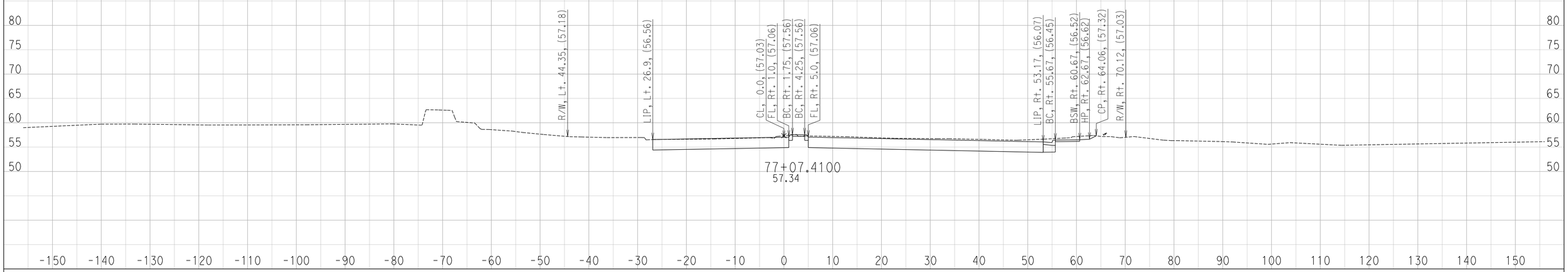
All Dimensions are US Survey Feet

FS
CROSS SECTIONS
SHEET 12 OF 14

DESIGN STUDY ONLY







CREATED BY: Ryan S.
DATE: 6/28/2016

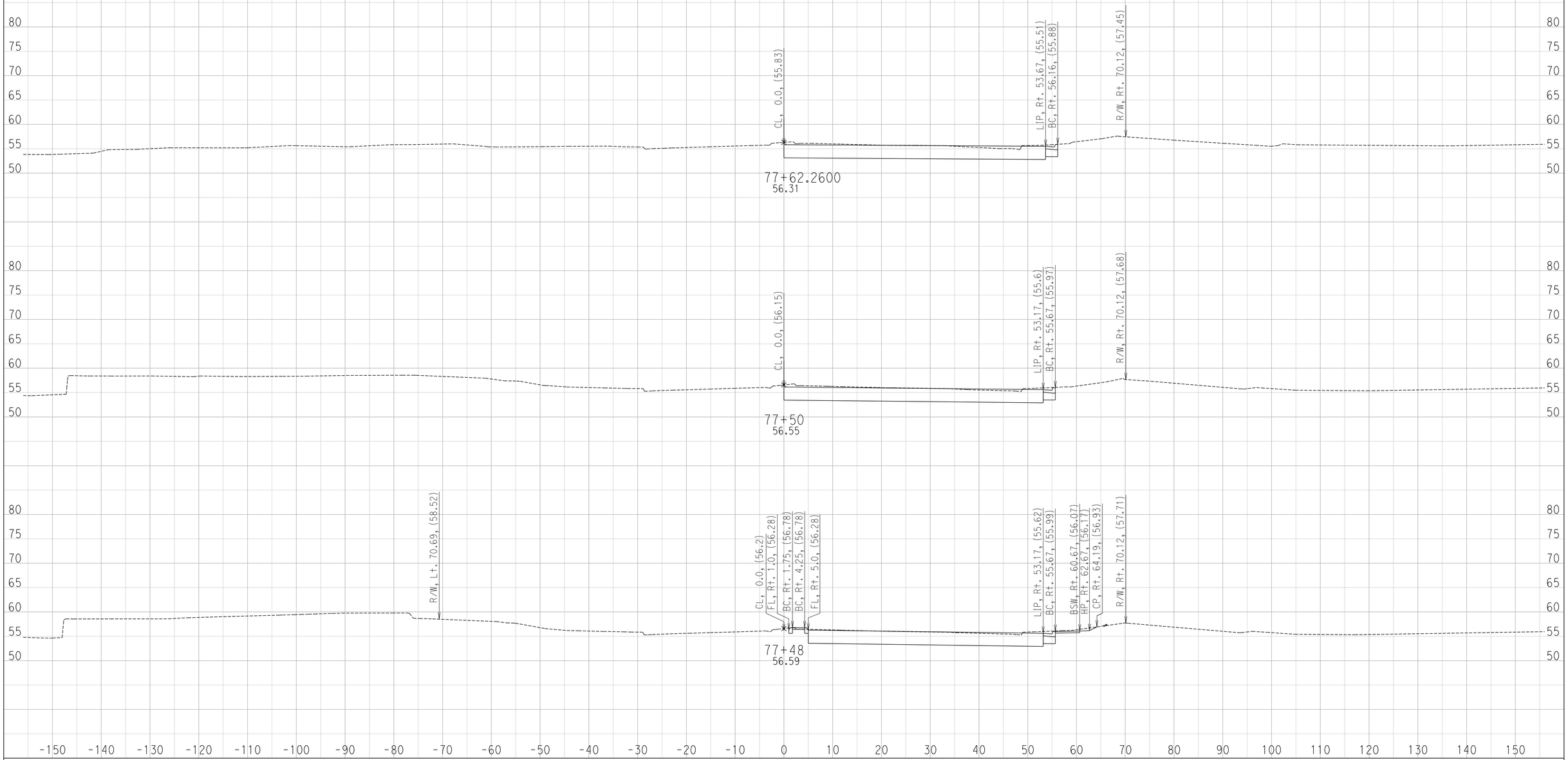
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS
SHEET 13 OF 14

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

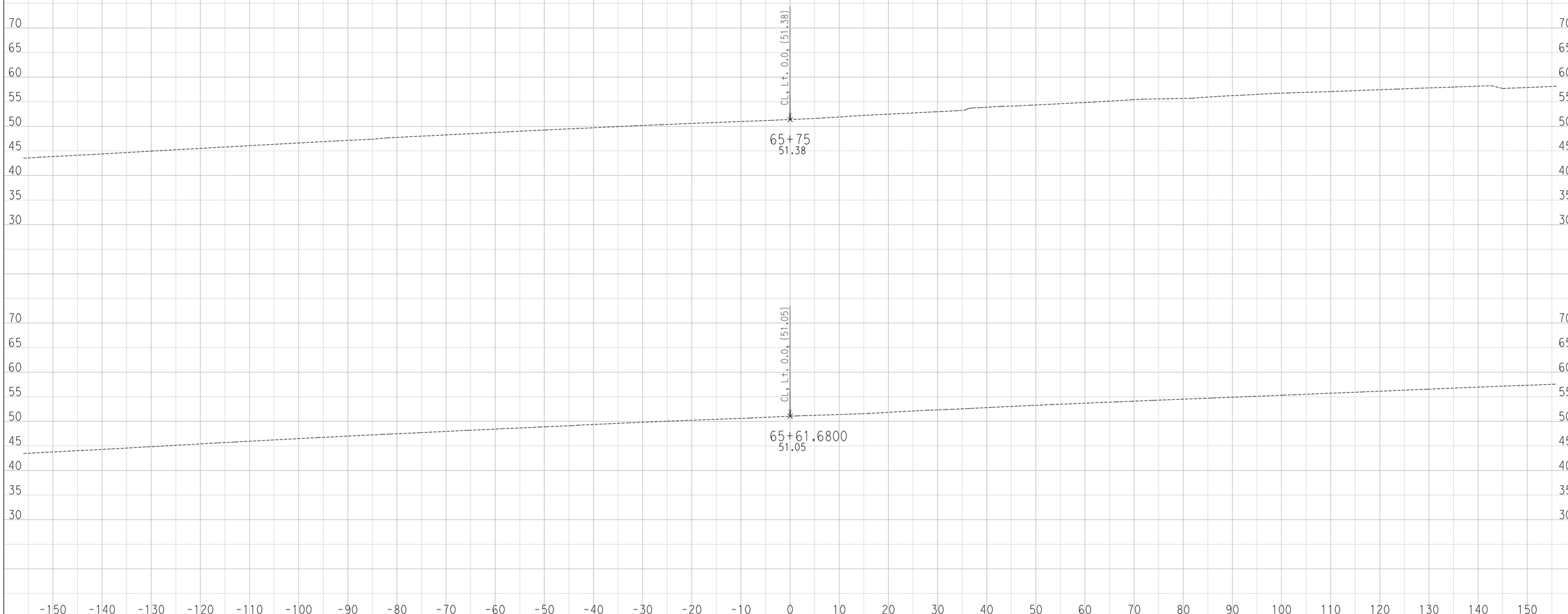
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FS
CROSS SECTIONS
SHEET 14 OF 14

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

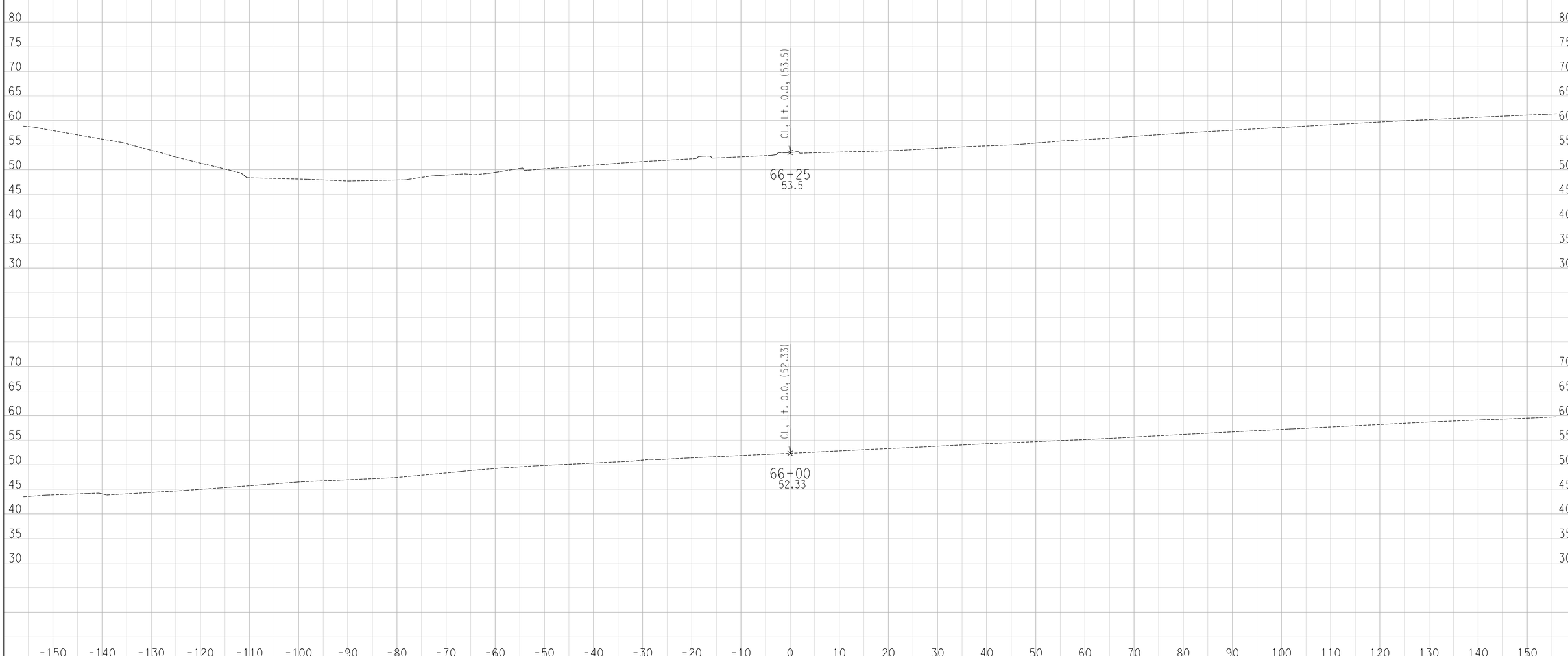
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 1 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

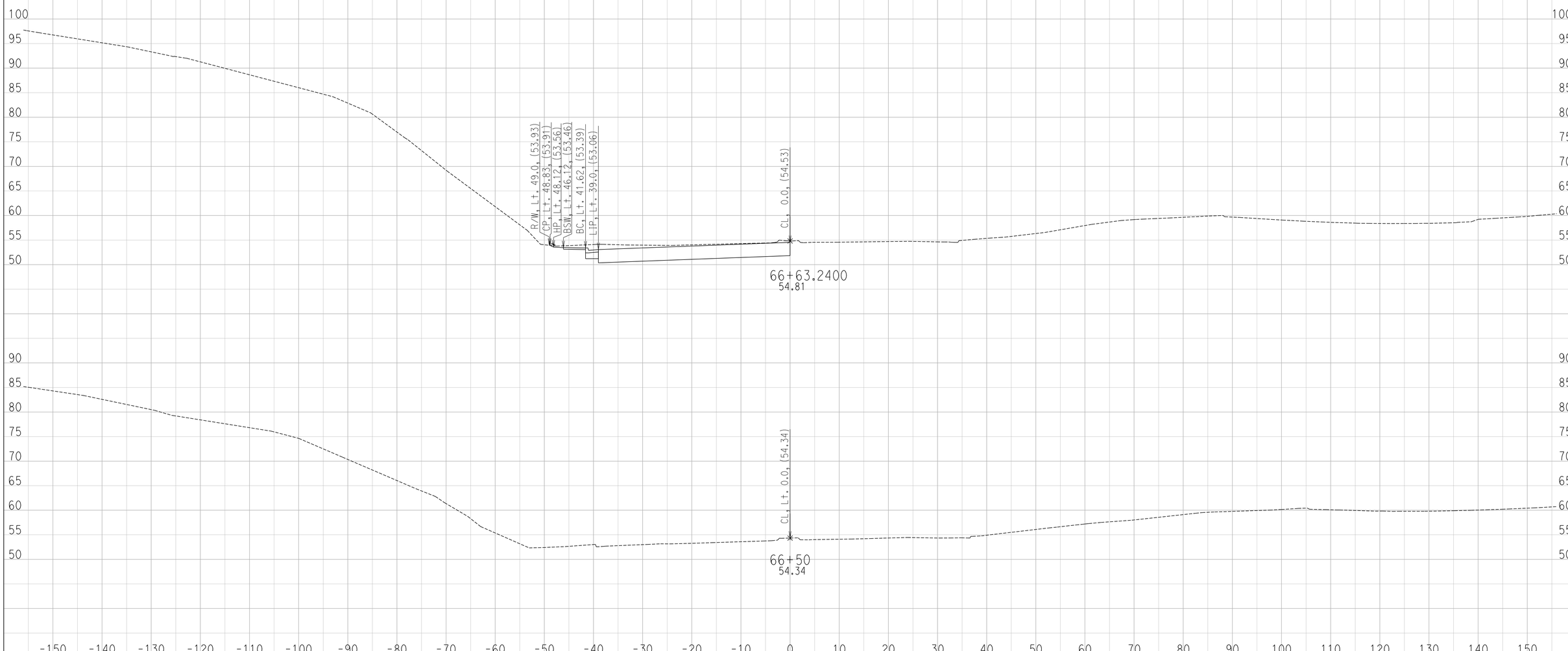
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 2 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

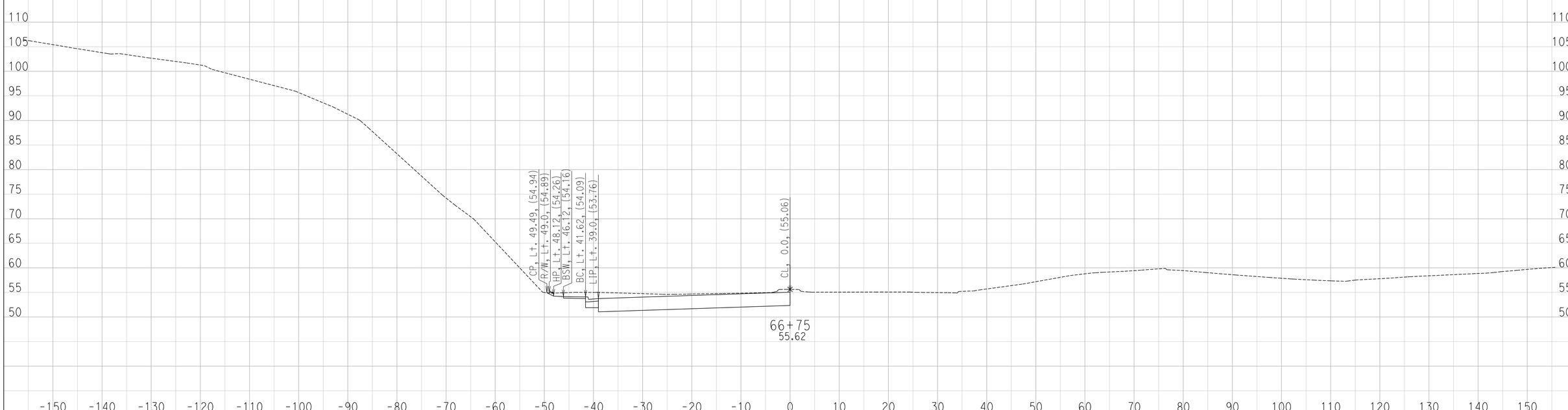
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 3 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

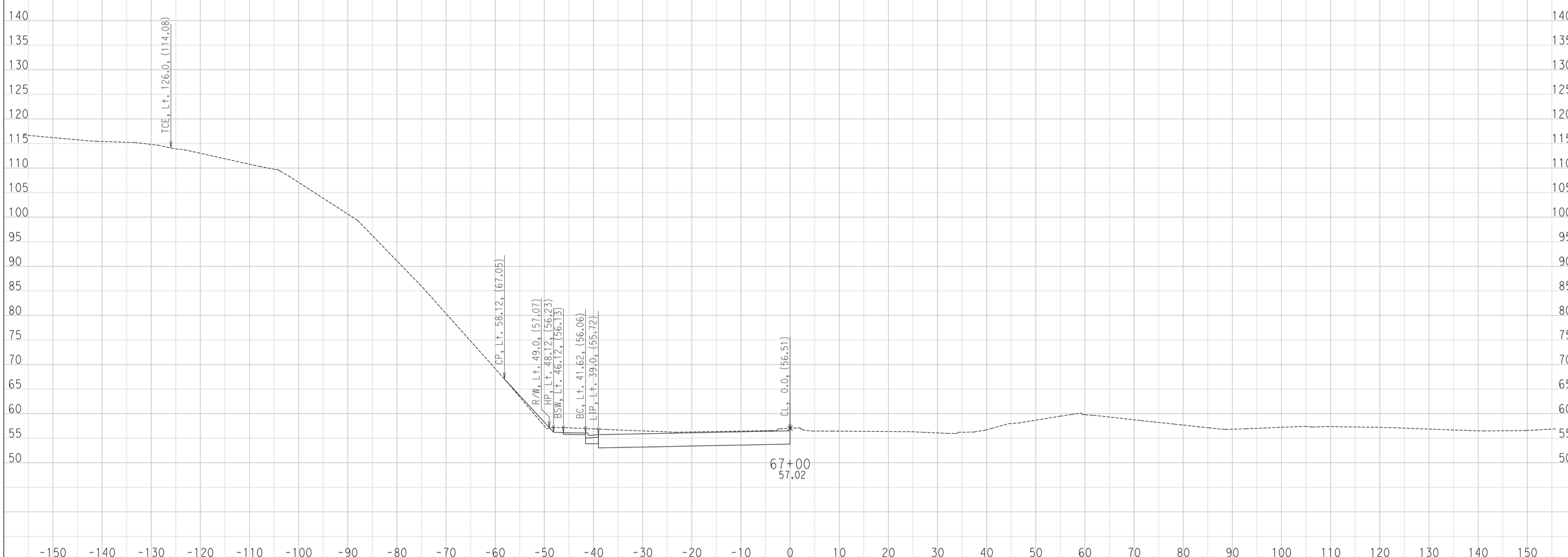
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 4 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

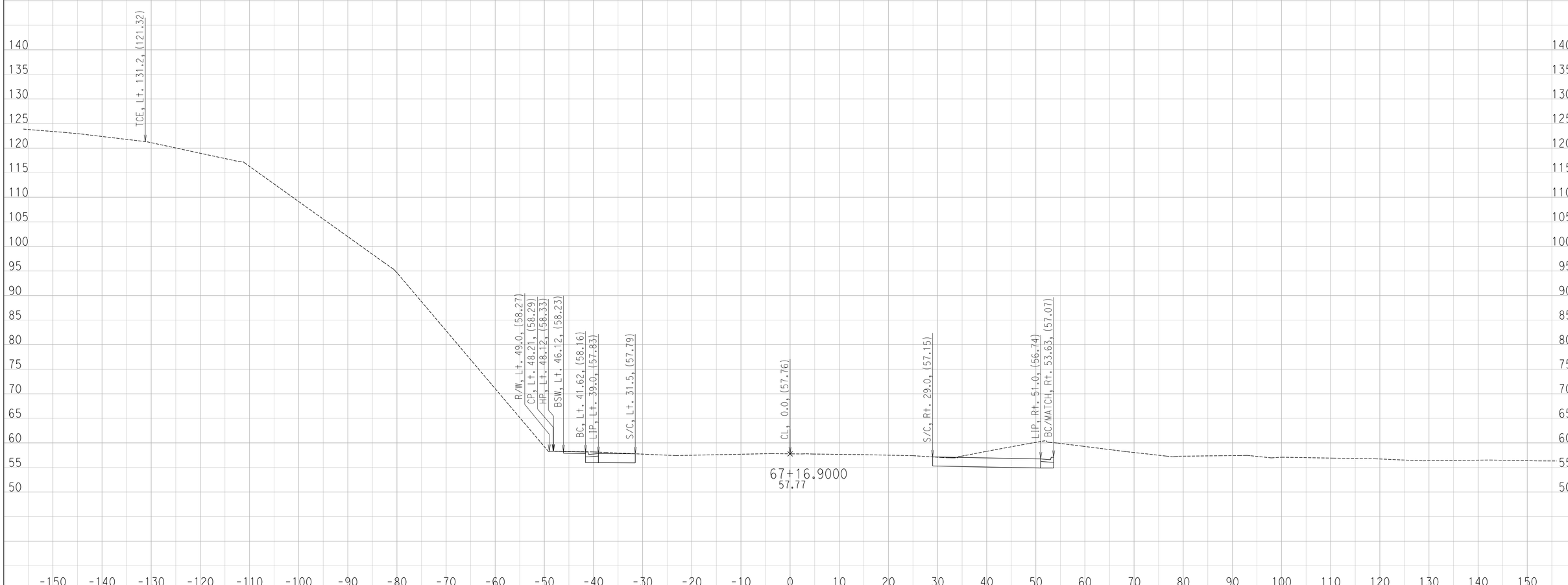
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 5 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

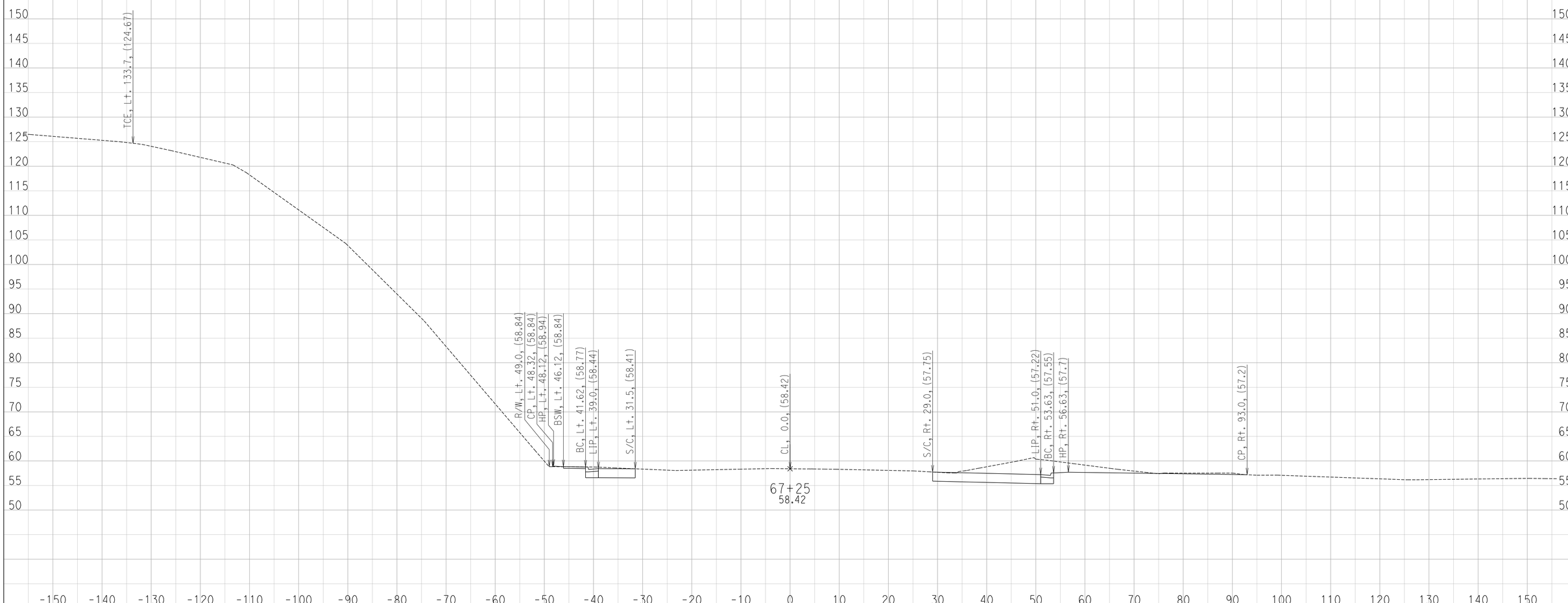
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 6 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

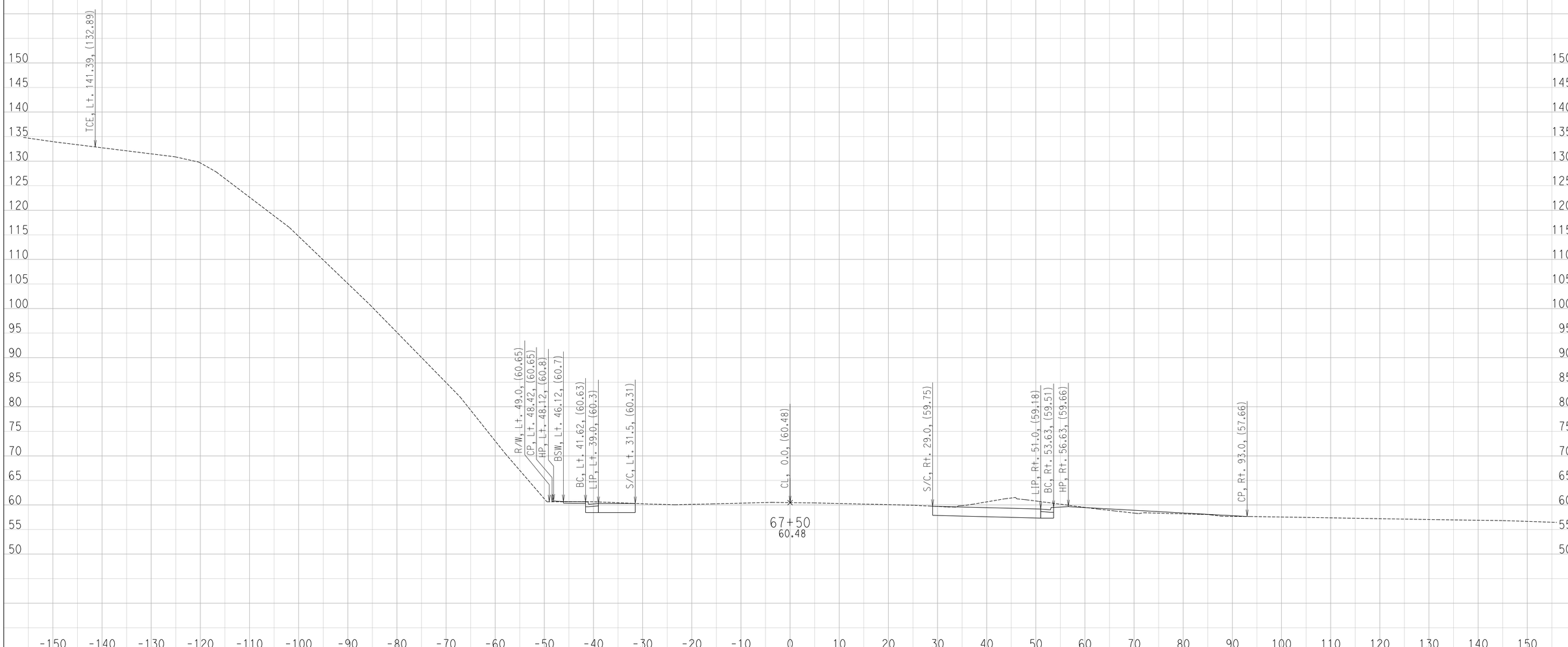
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 7 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

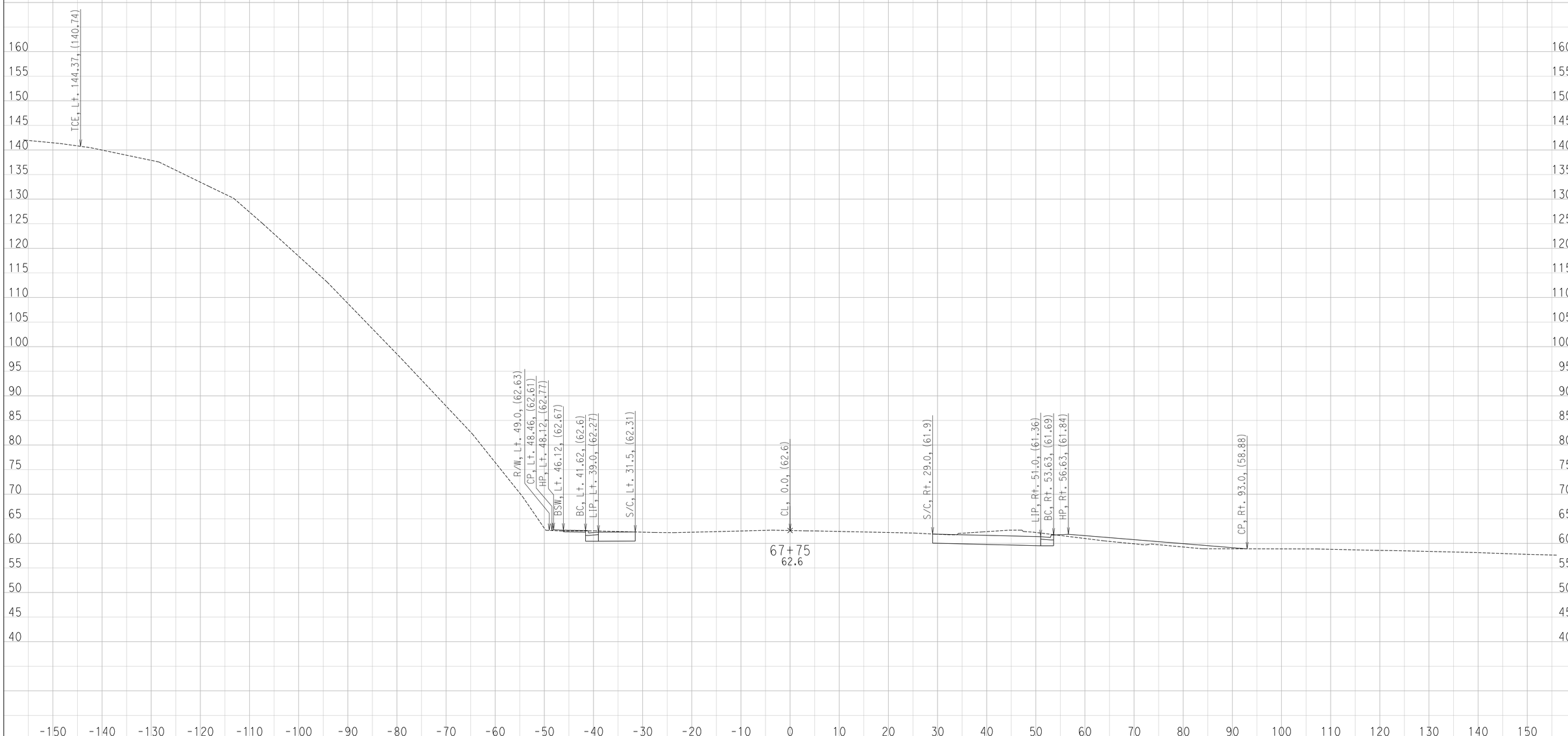
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

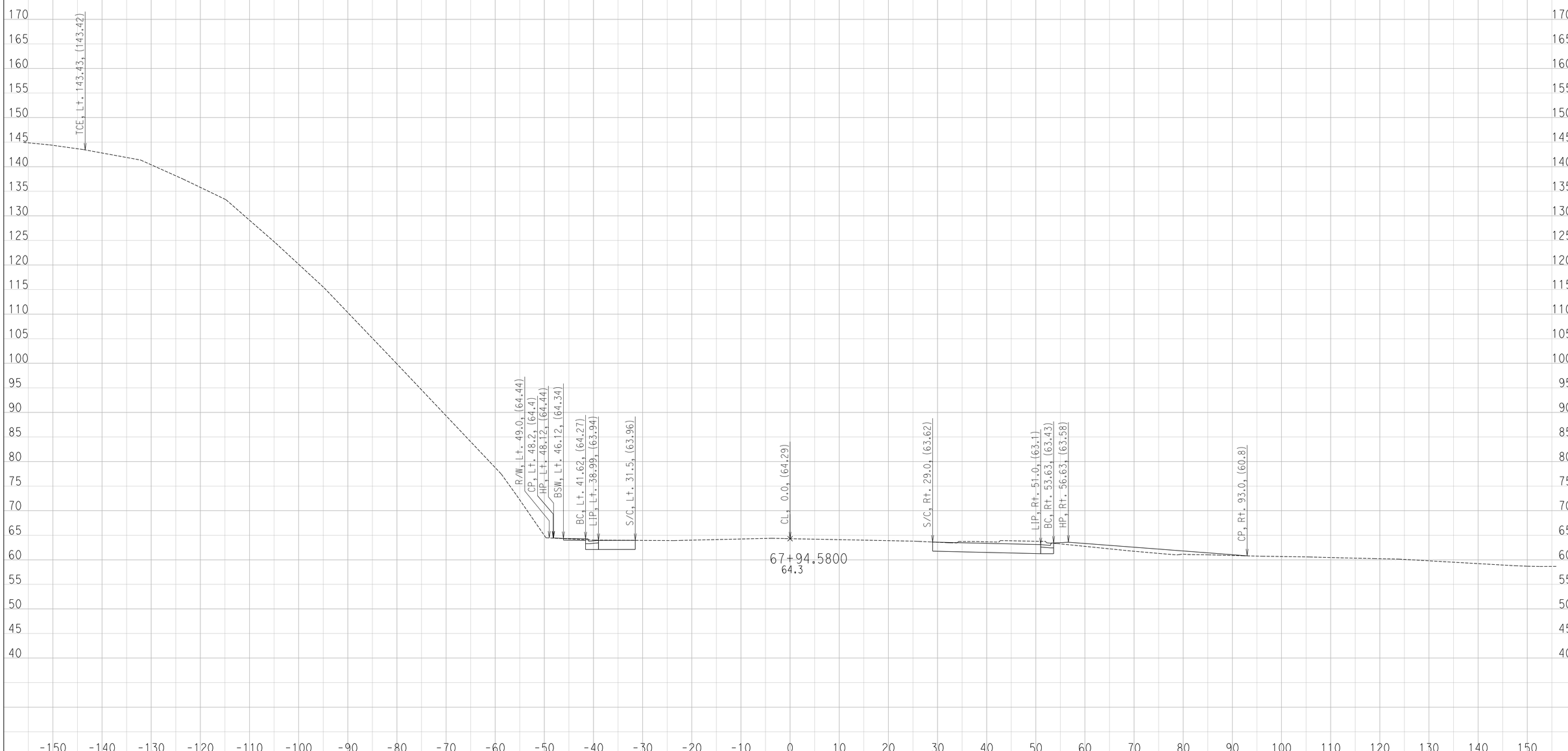
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 9 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

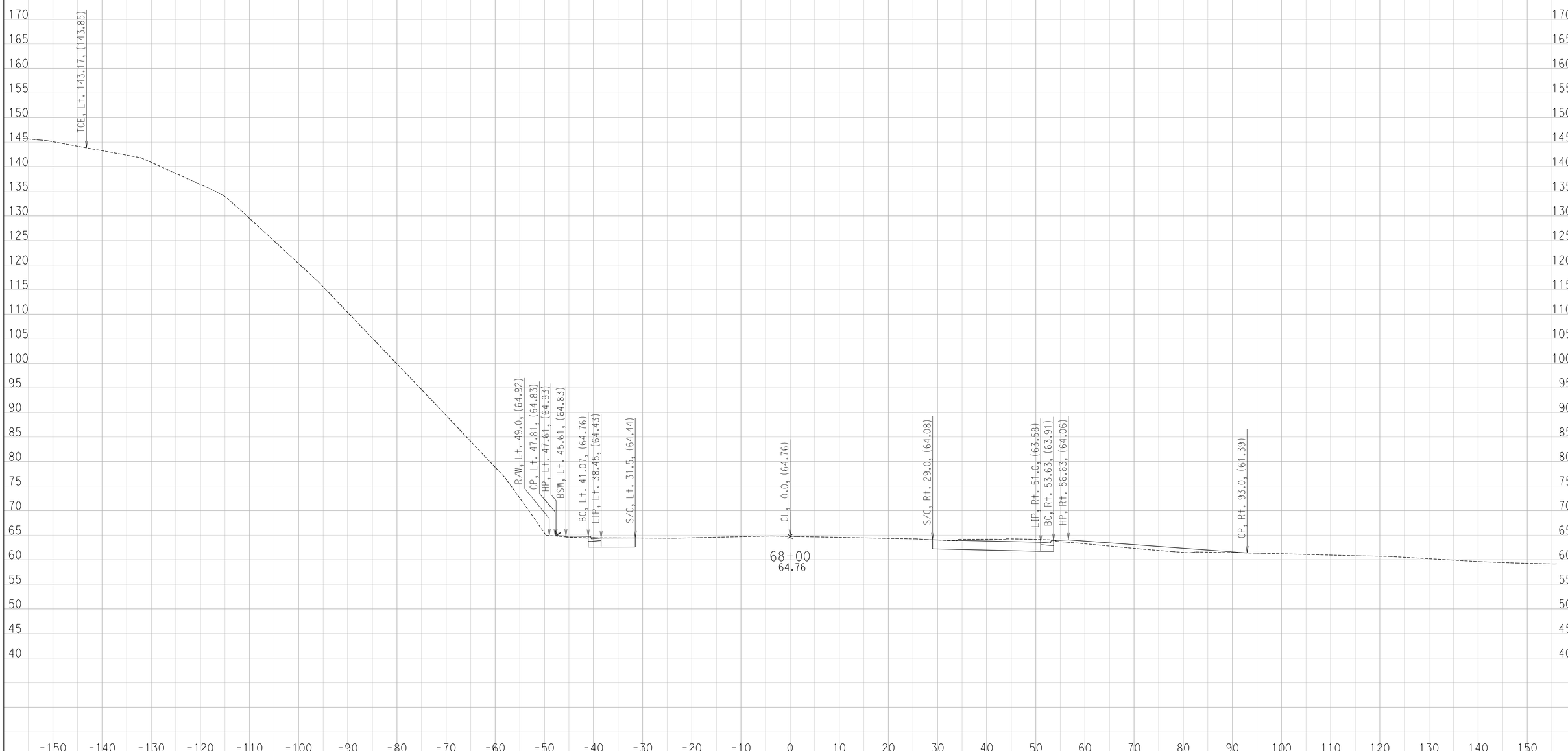
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 10 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

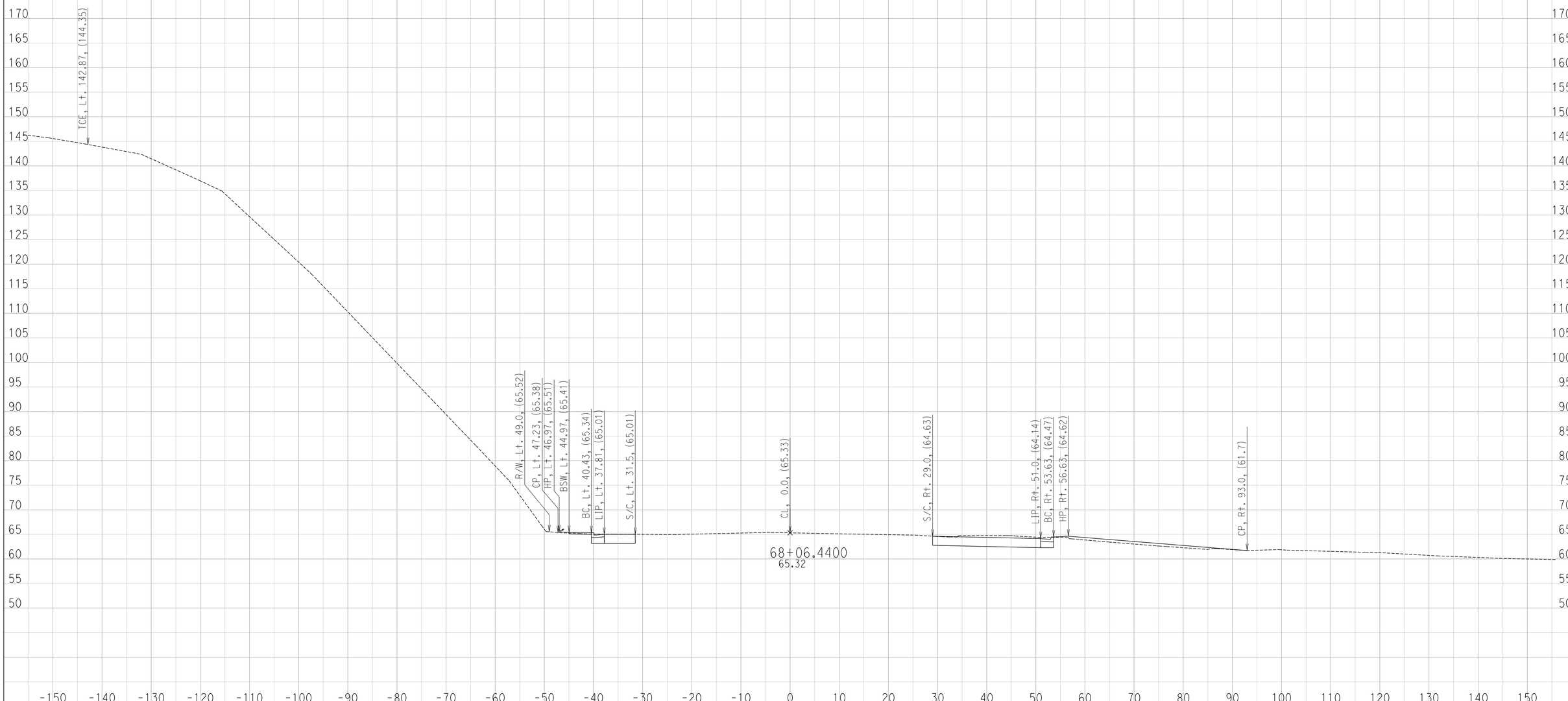
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 11 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

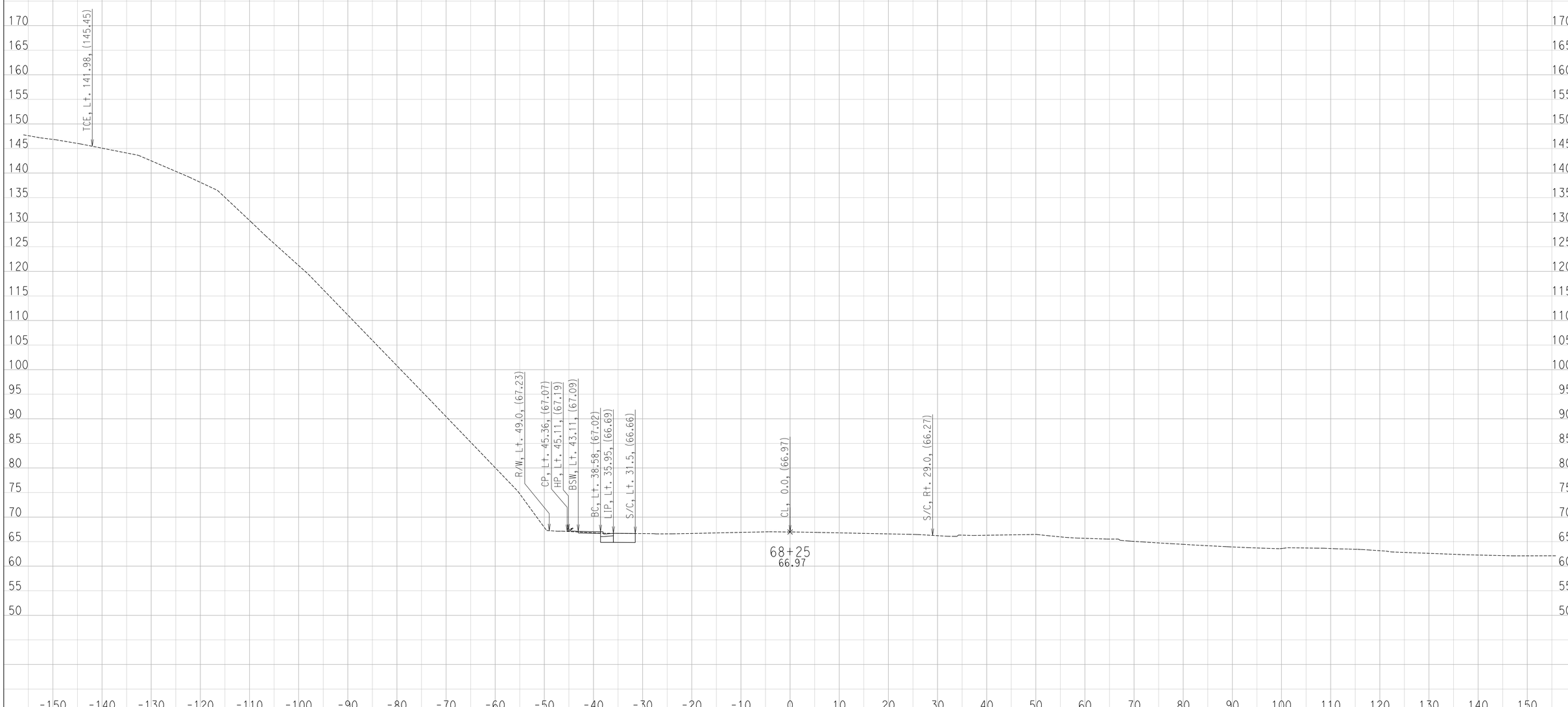
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 12 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 13 OF 21

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/28/2016

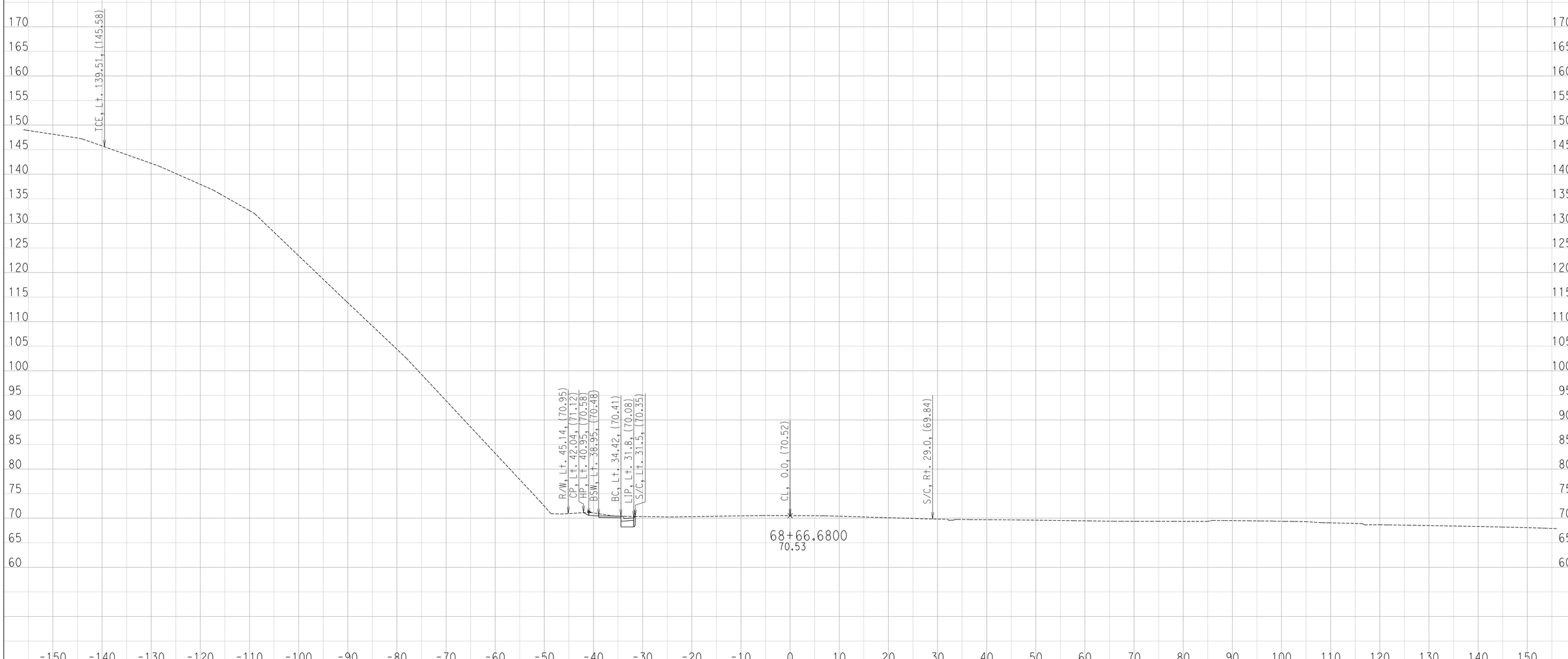
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 14 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

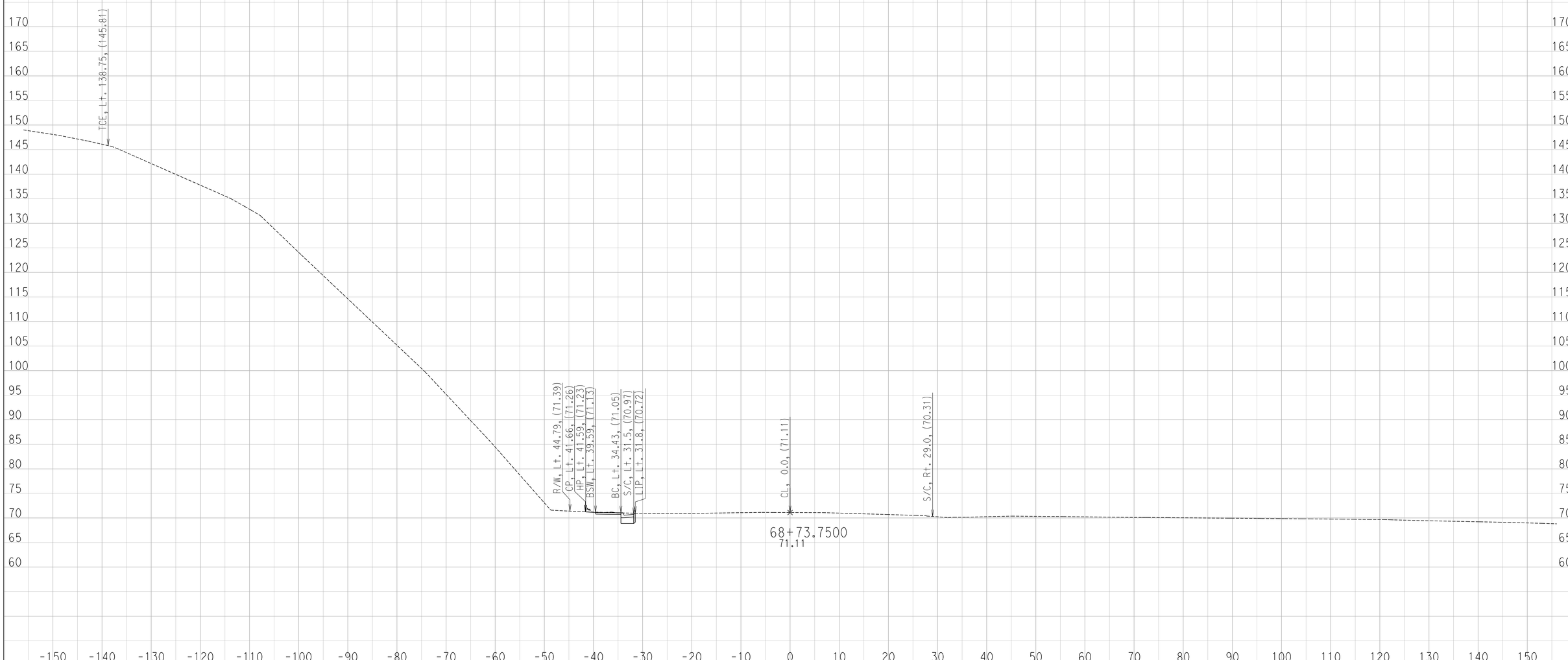
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 15 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

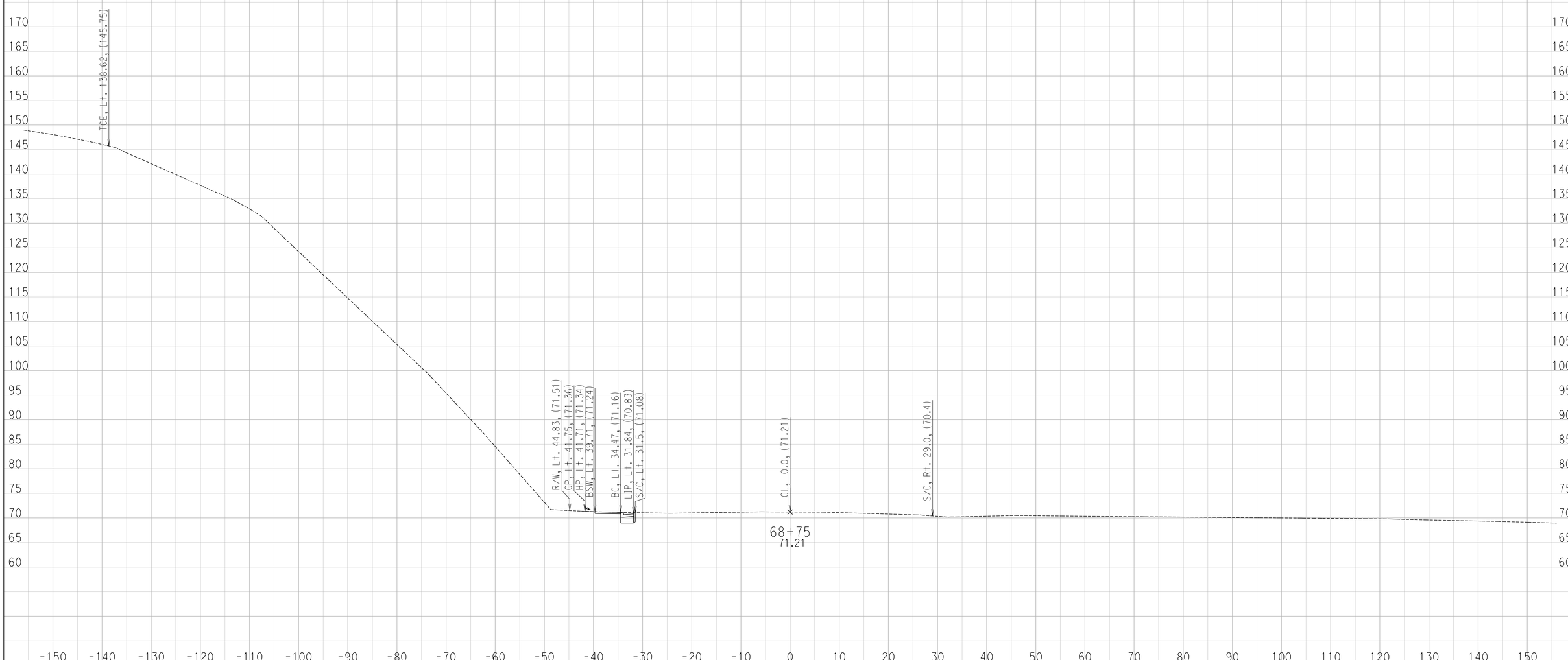
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 16 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

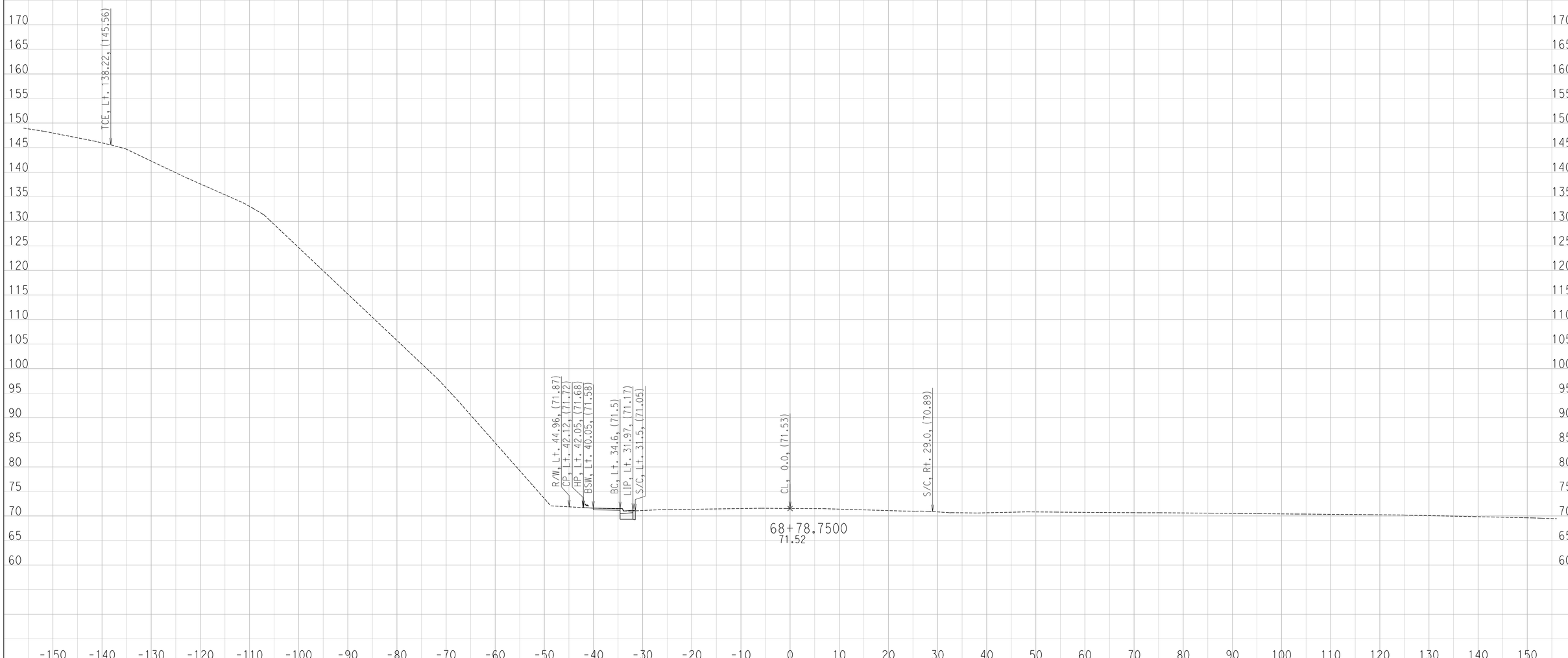
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 17 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

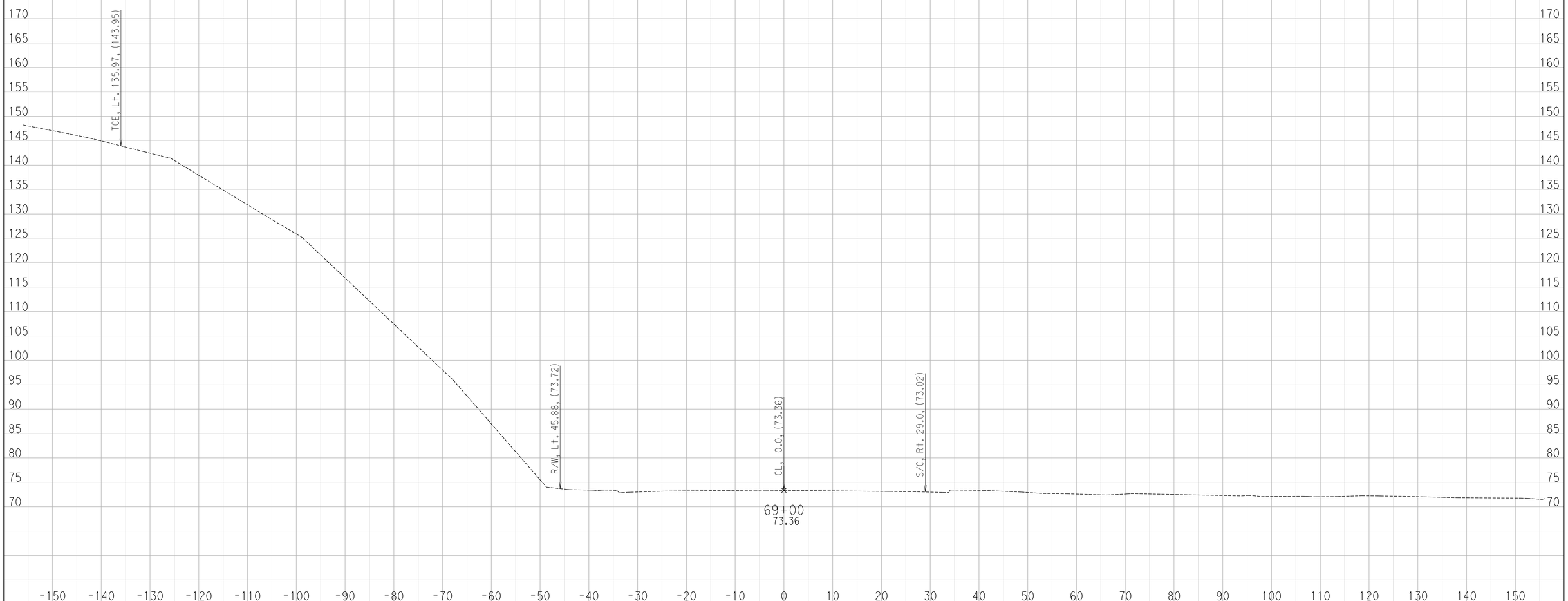
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 18 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

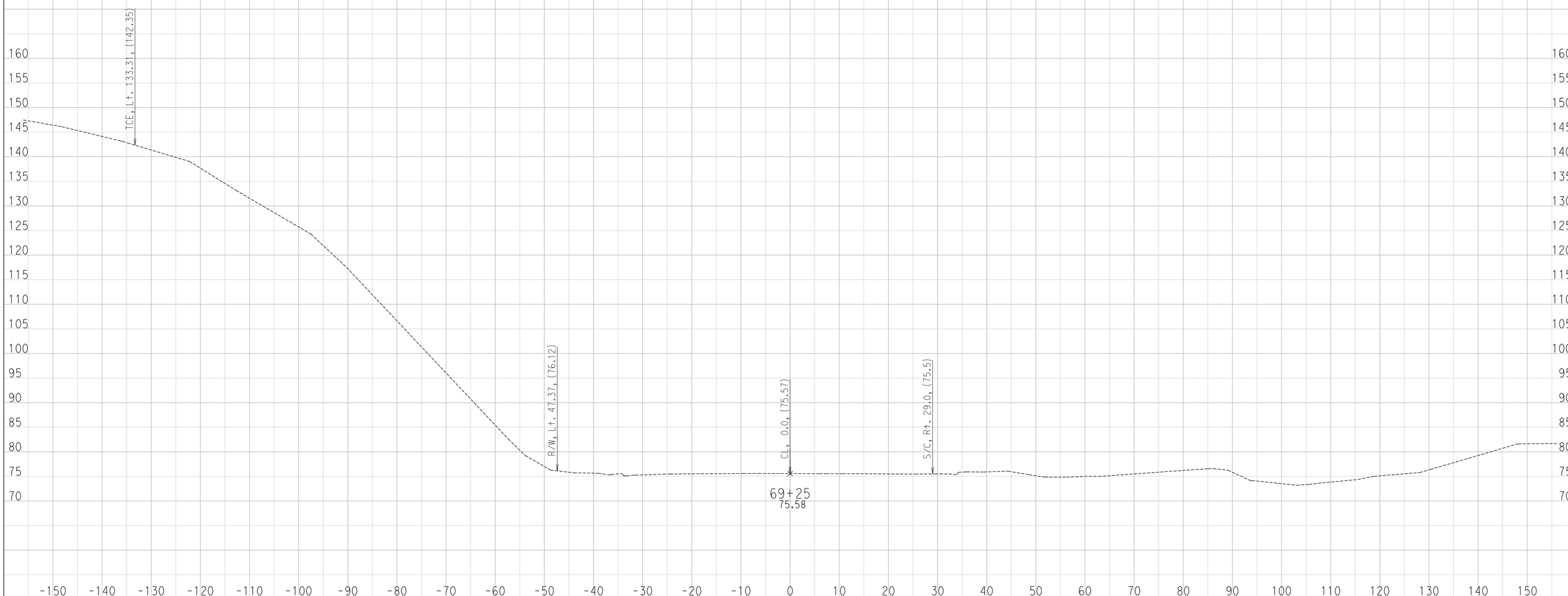
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 19 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

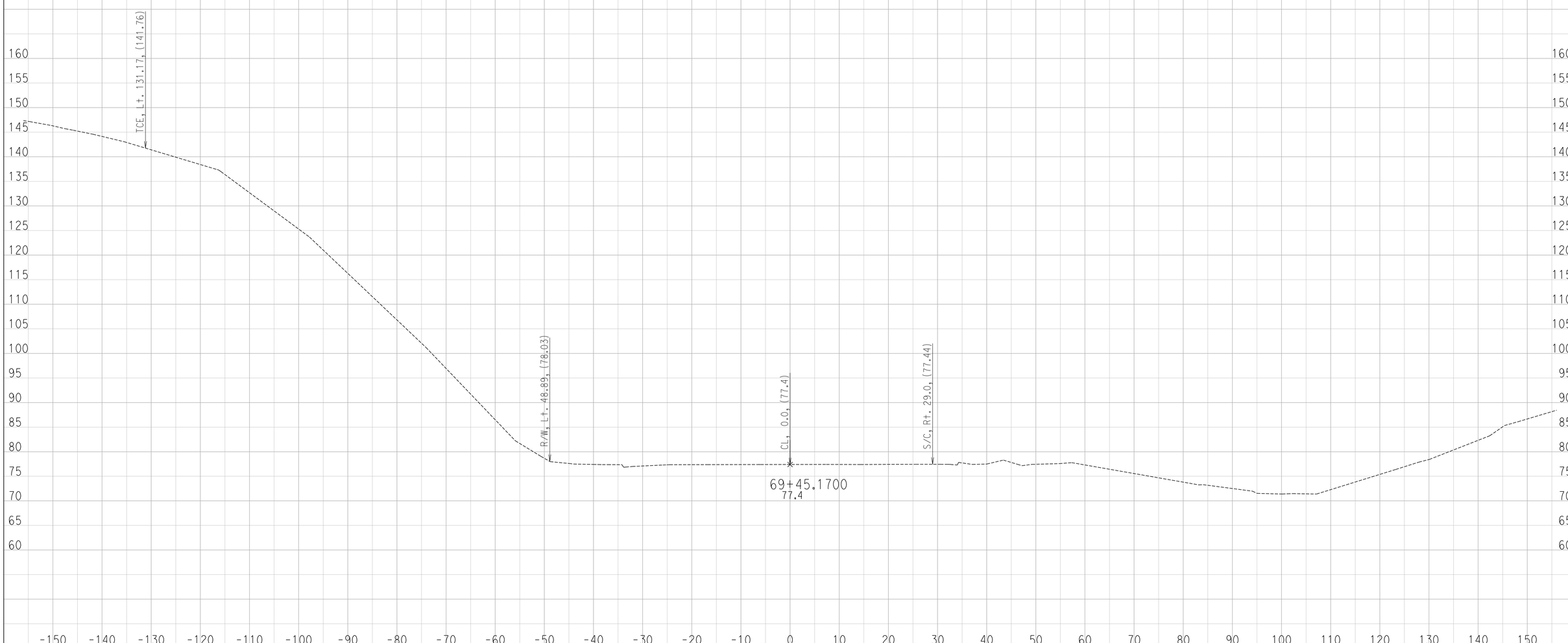
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 20 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/28/2016

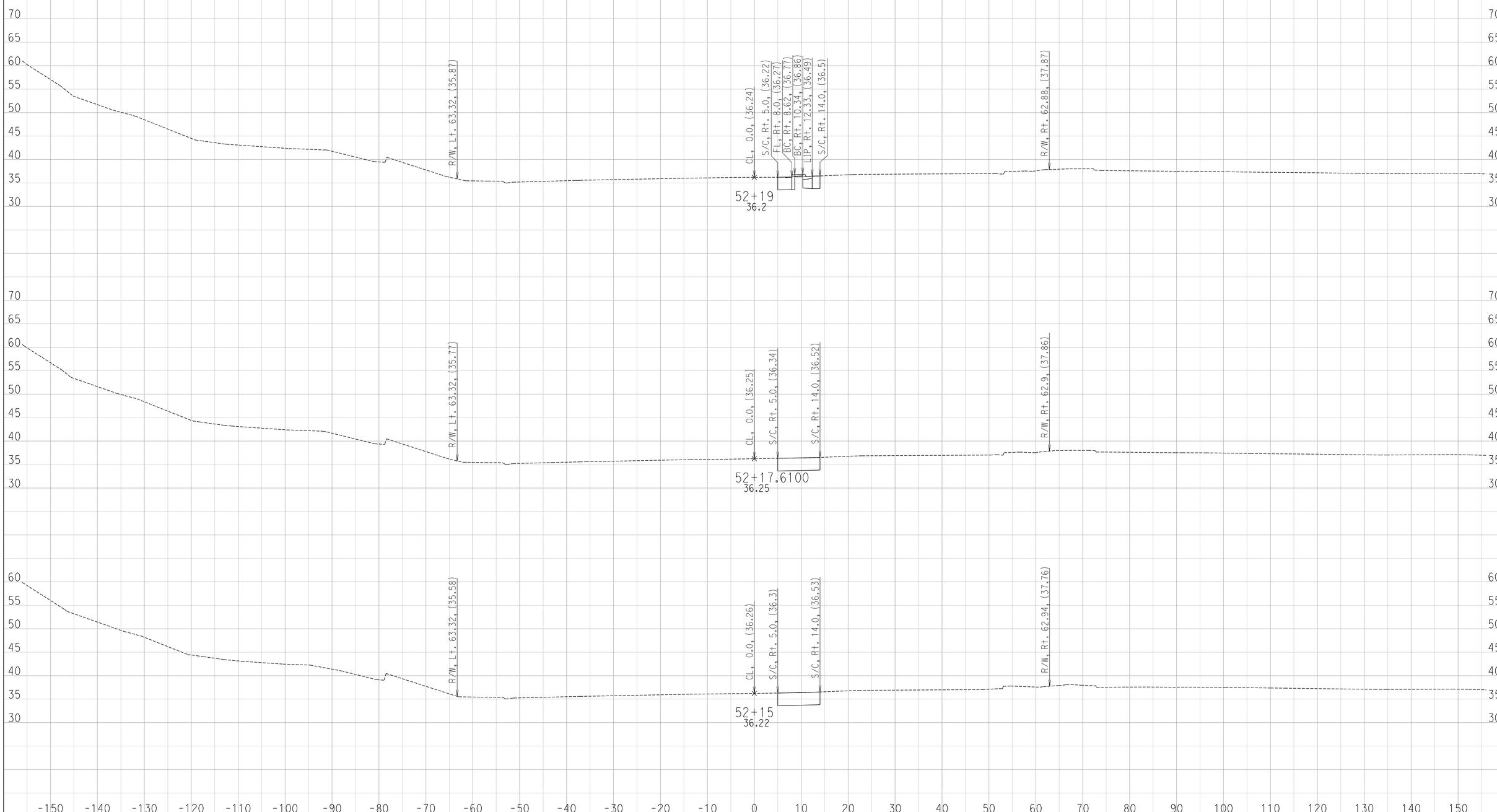
CONTRACT: 11-085781
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

U
CROSS SECTIONS
SHEET 21 OF 21

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

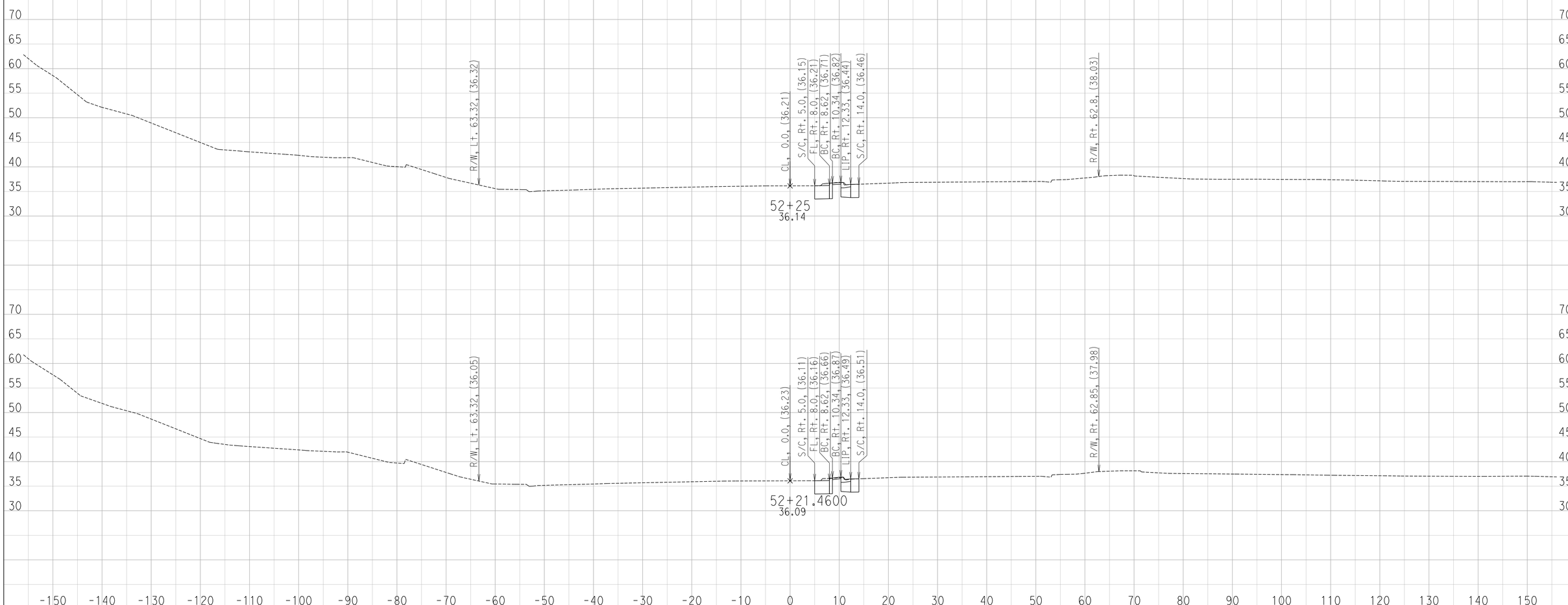
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 1 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

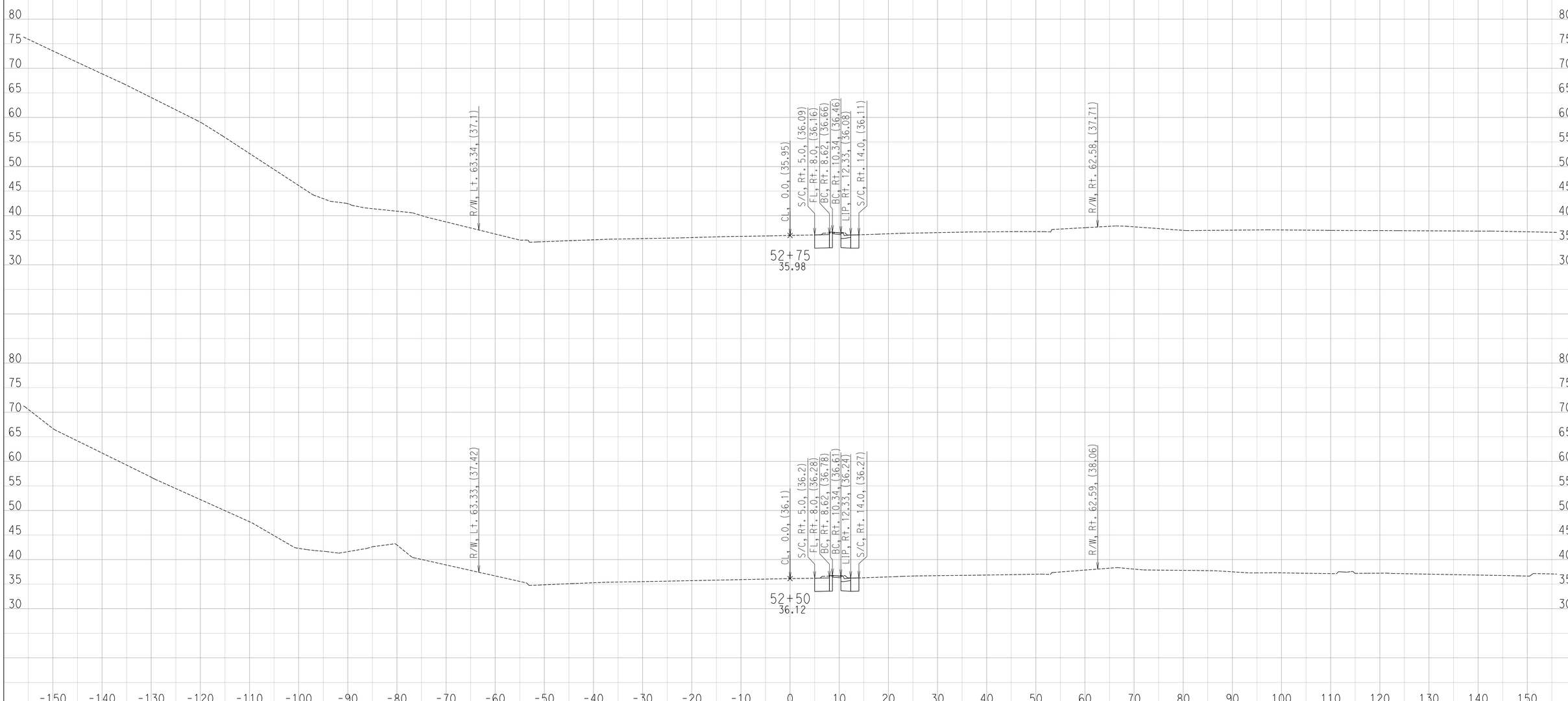
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 2 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

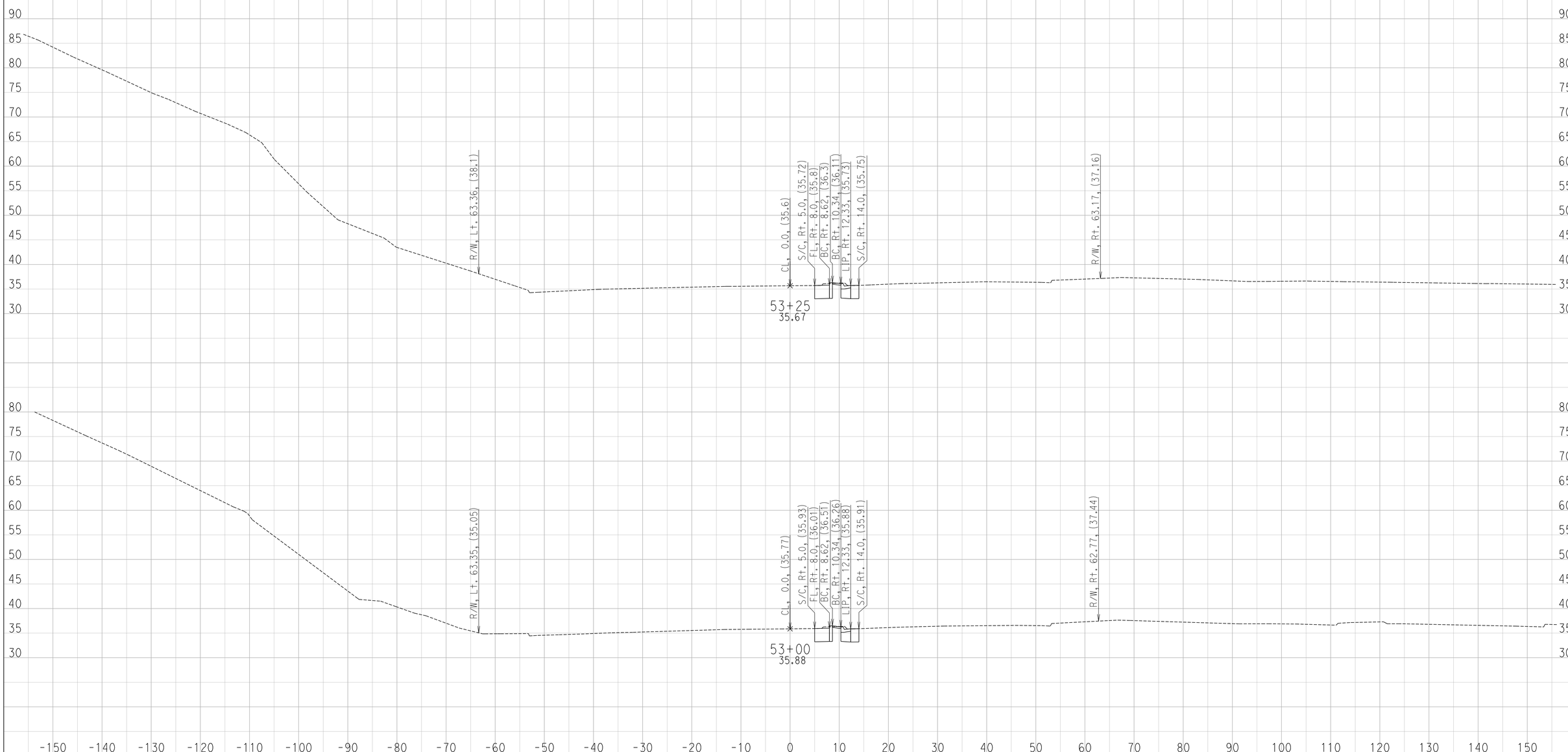
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 3 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

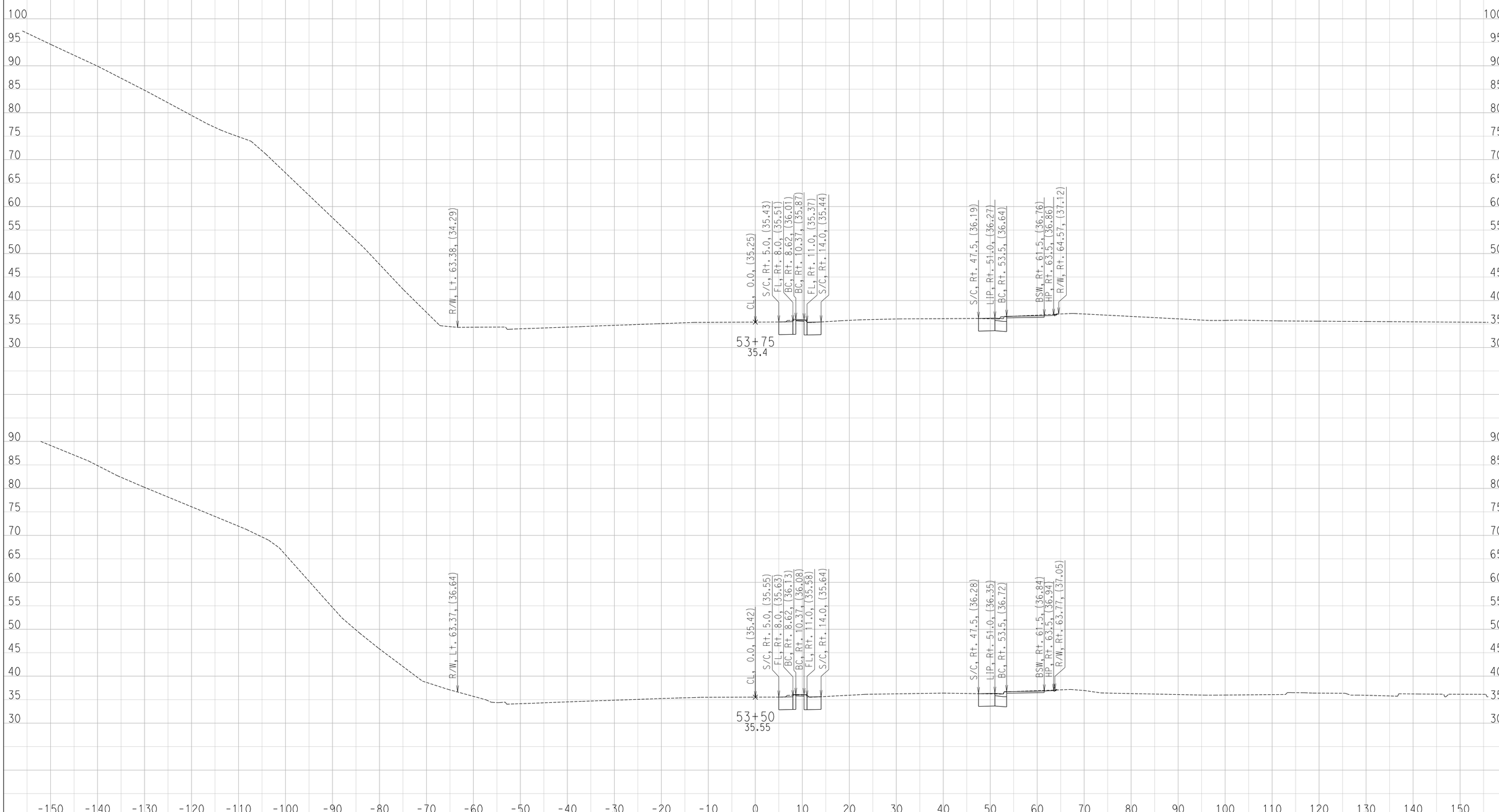
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

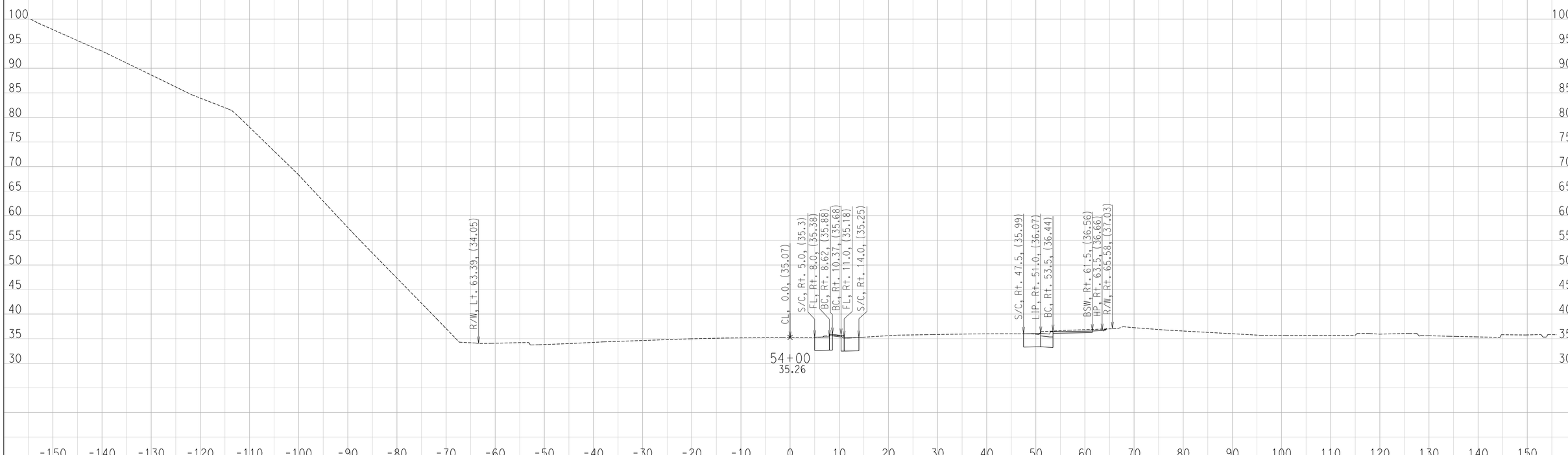
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

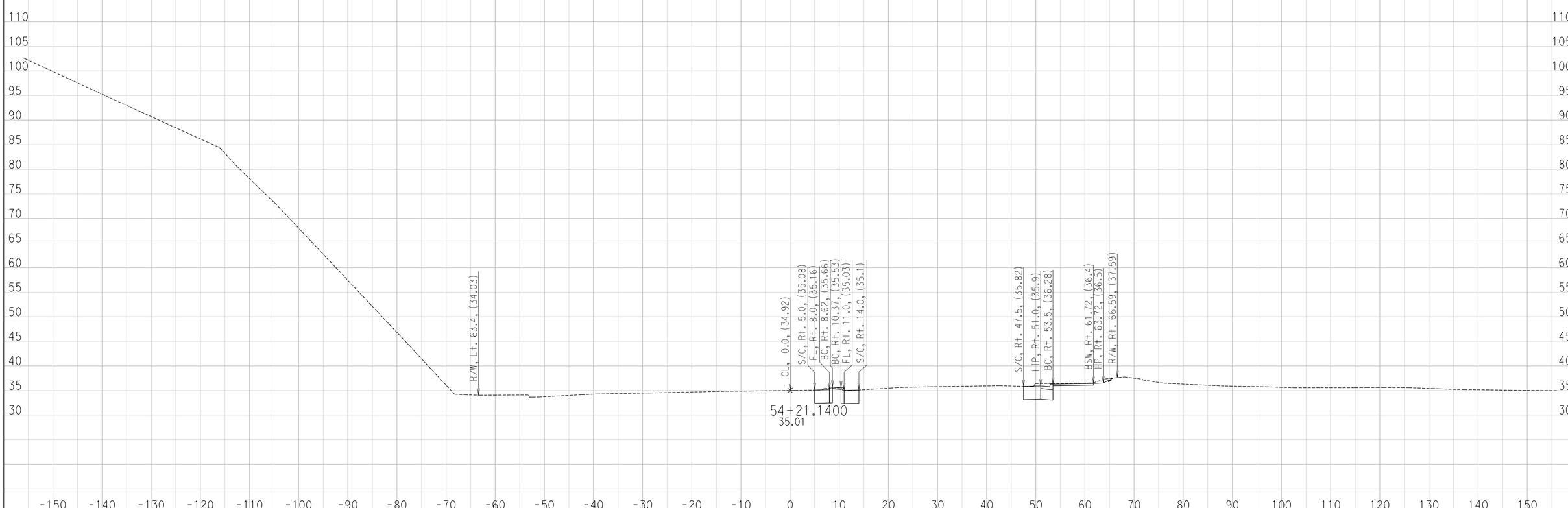
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

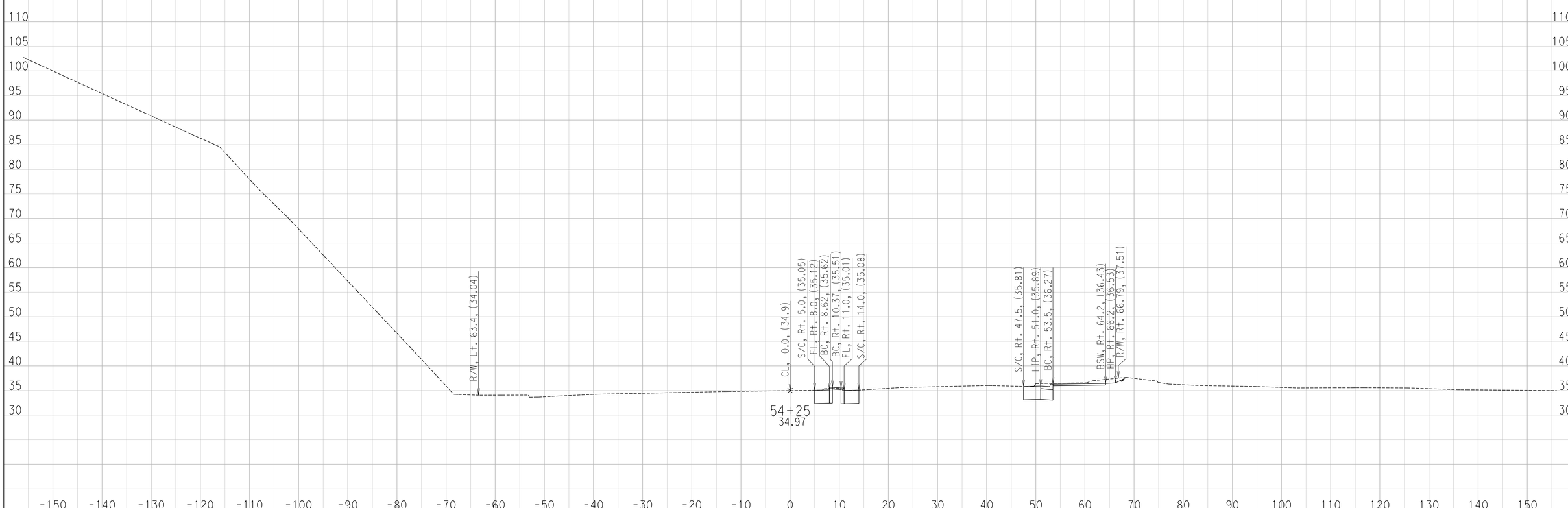
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

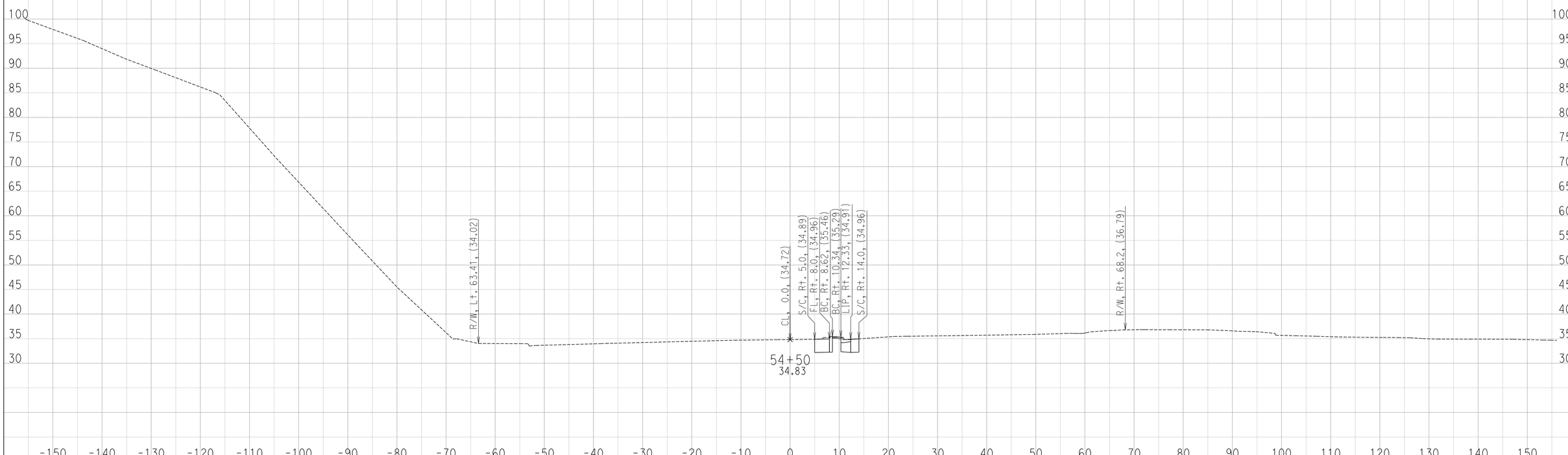
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

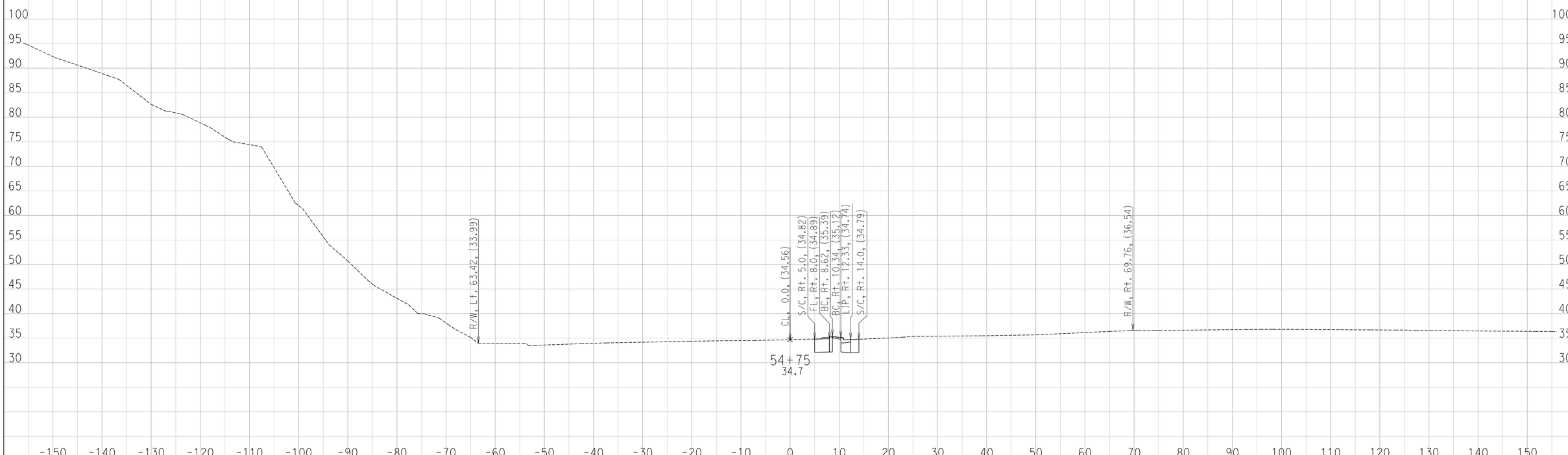
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

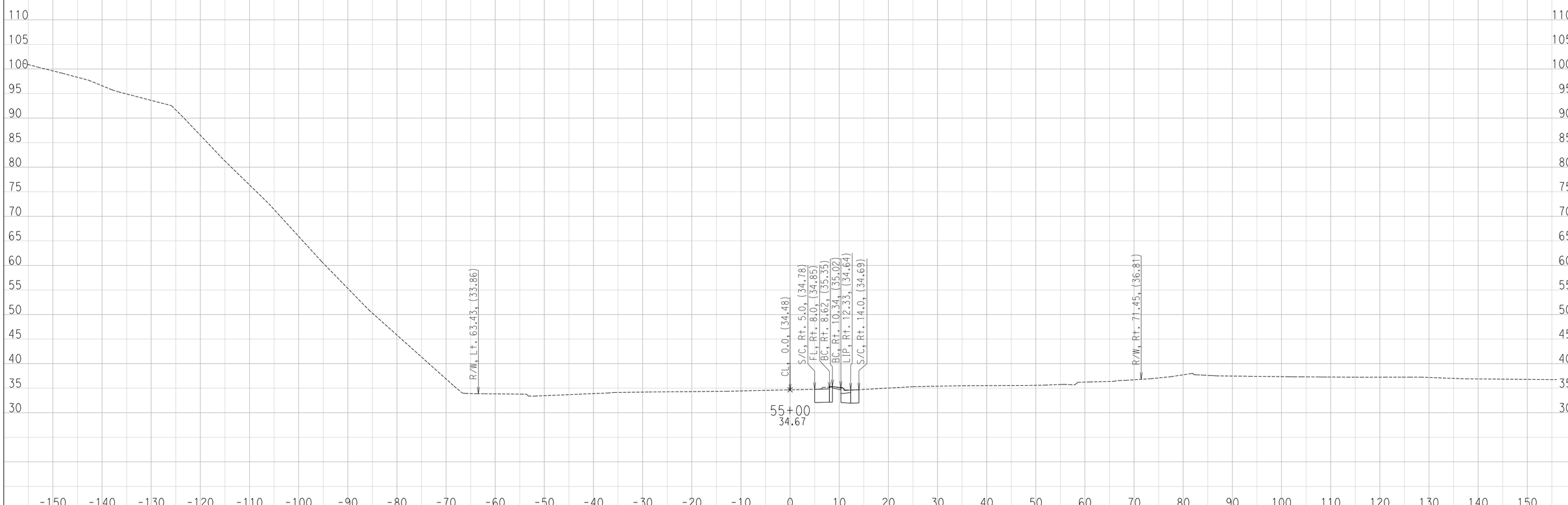
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

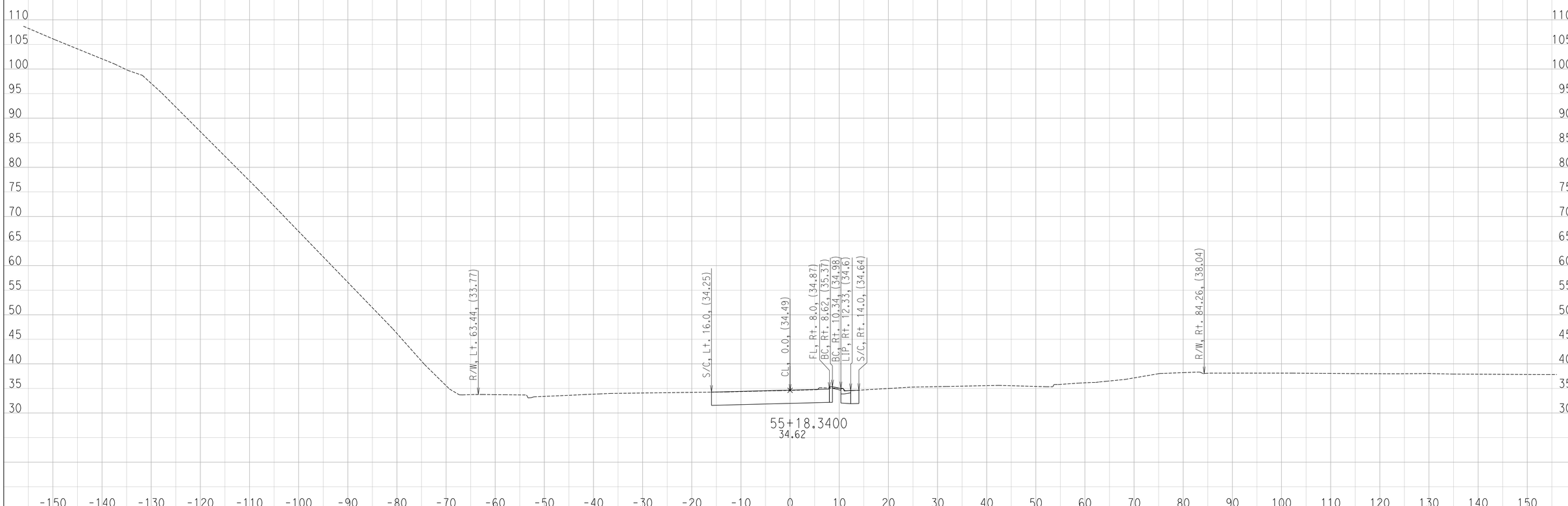
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

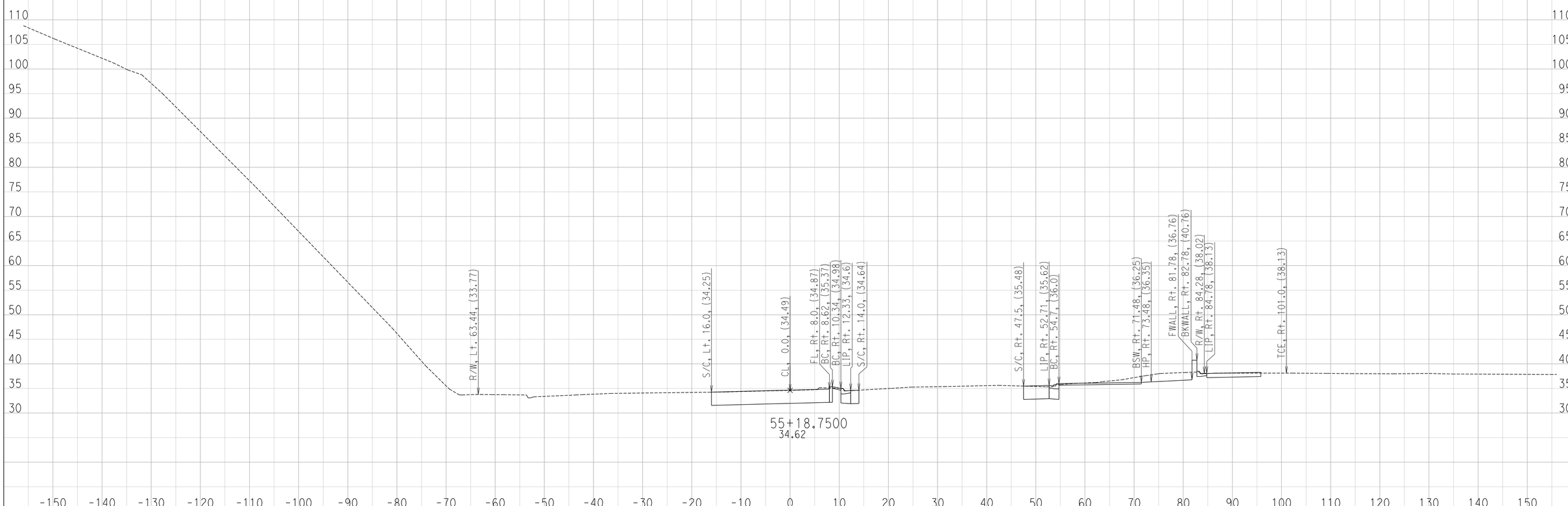
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

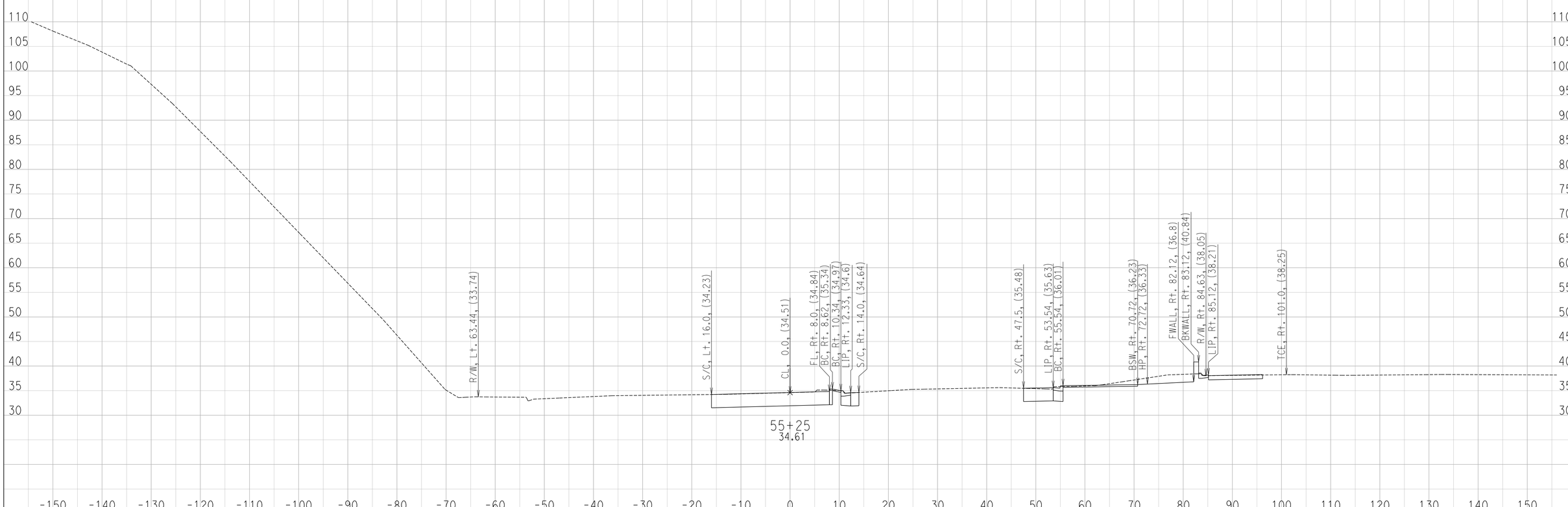
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/29/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/29/2016

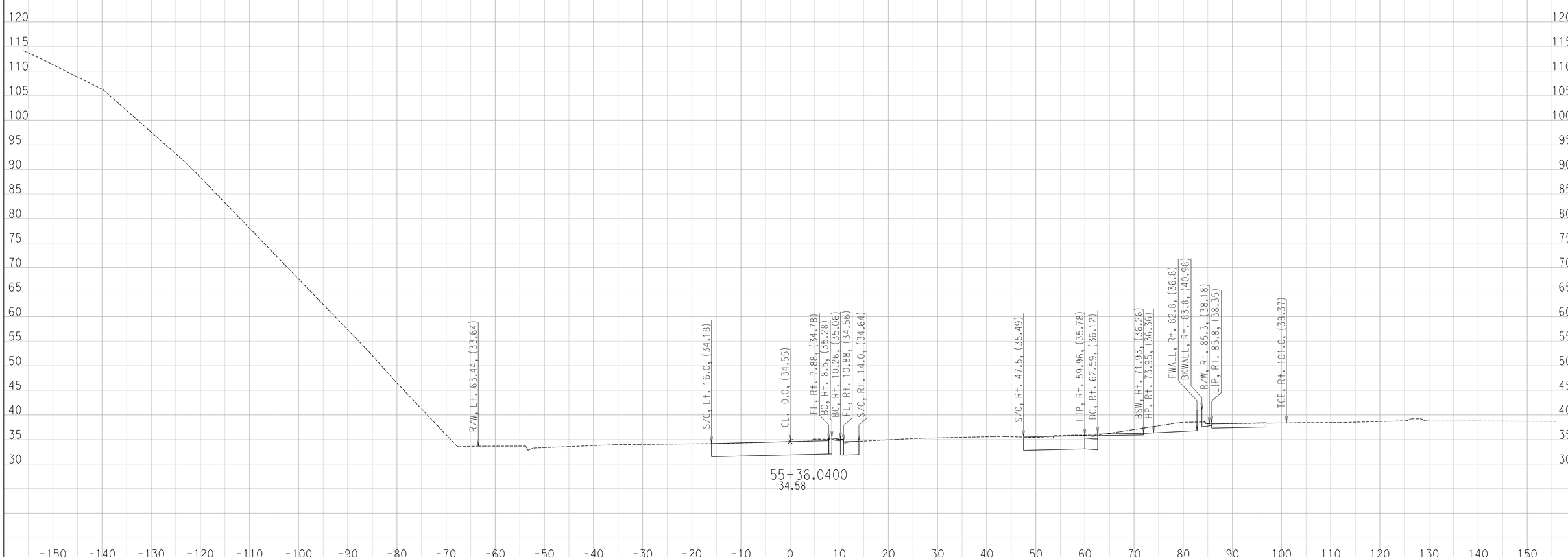
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

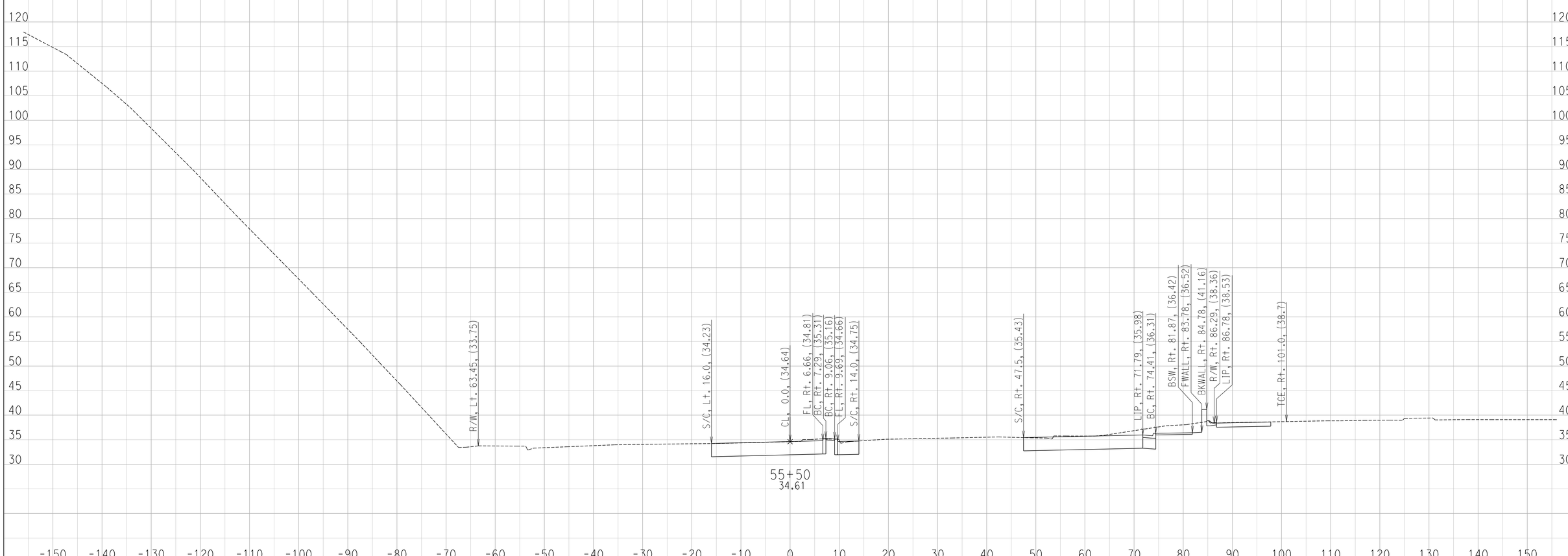
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

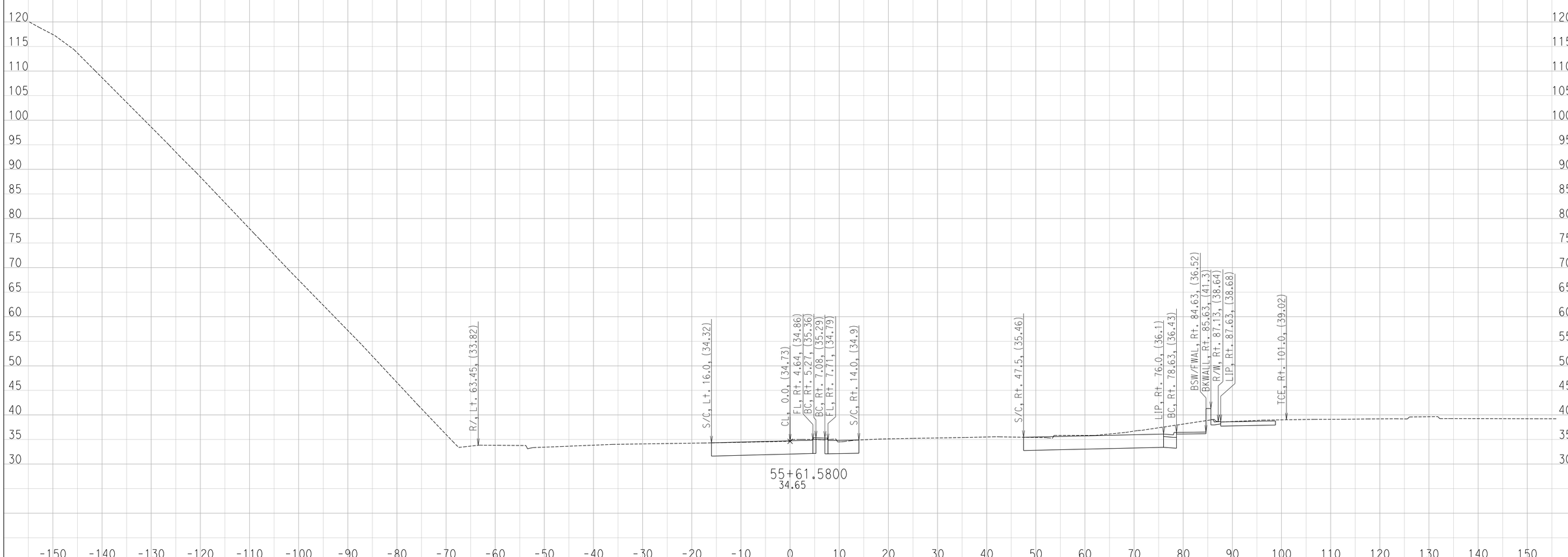
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/29/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/29/2016

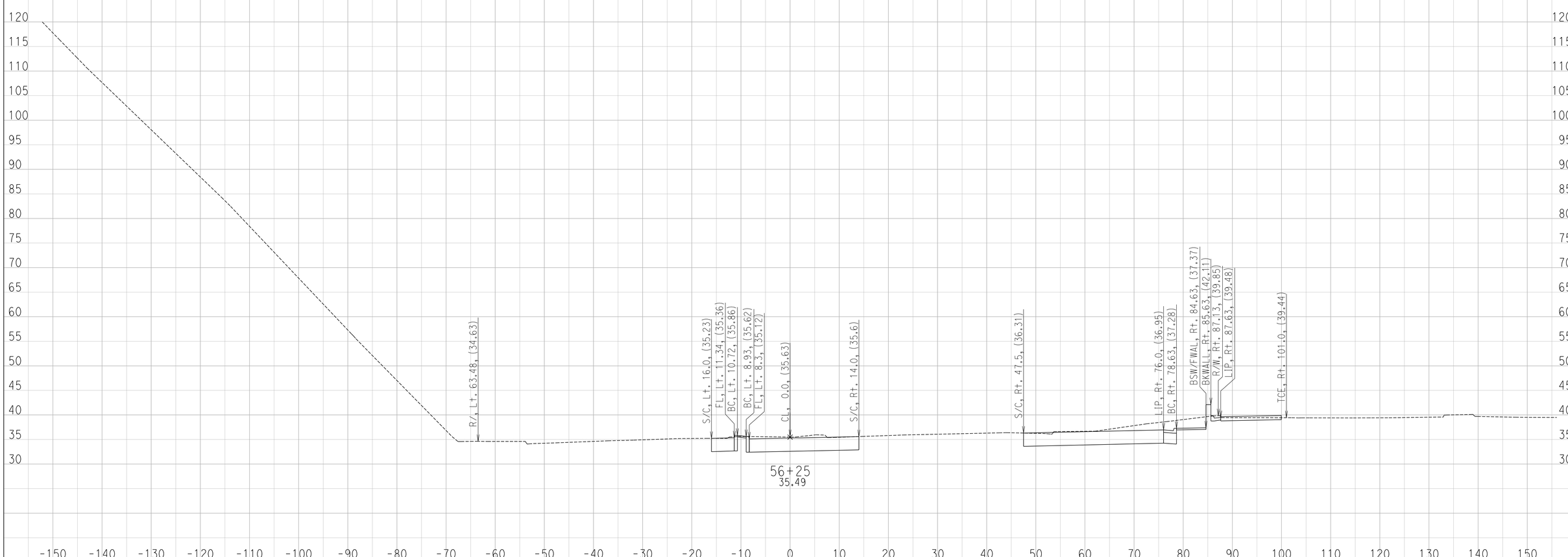
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 21 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/29/2016

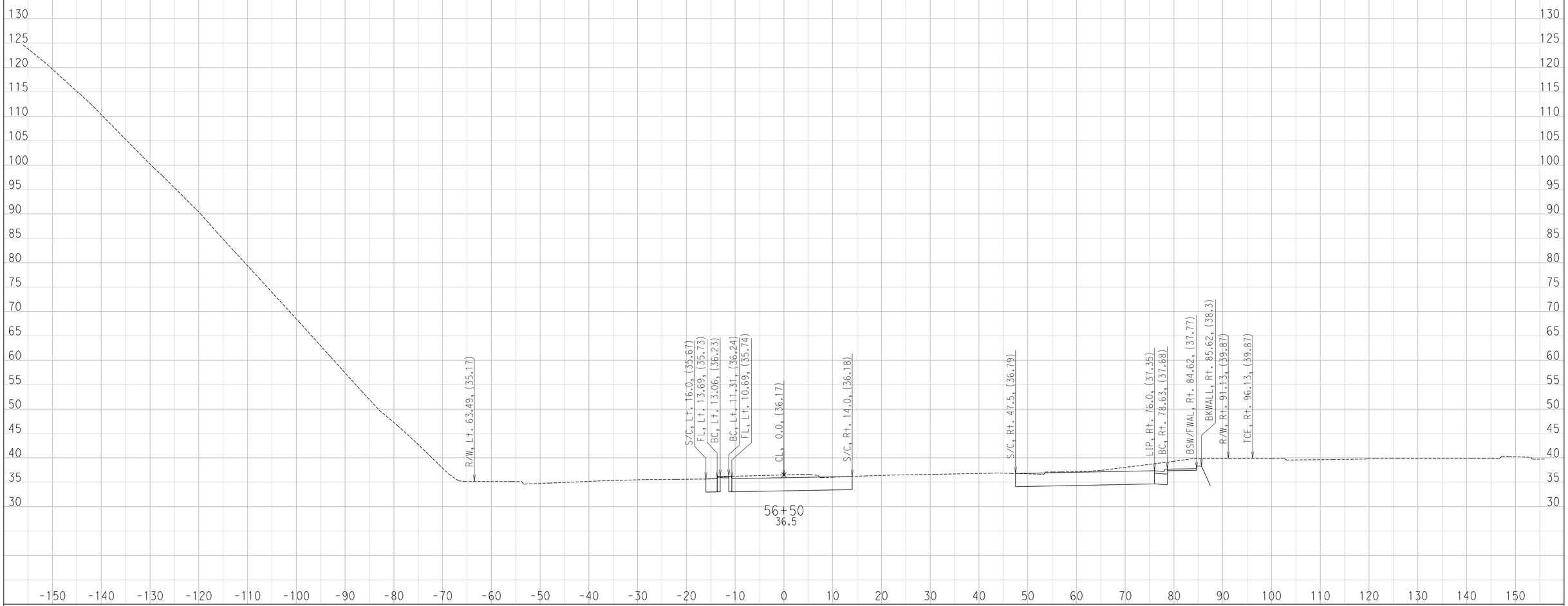
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

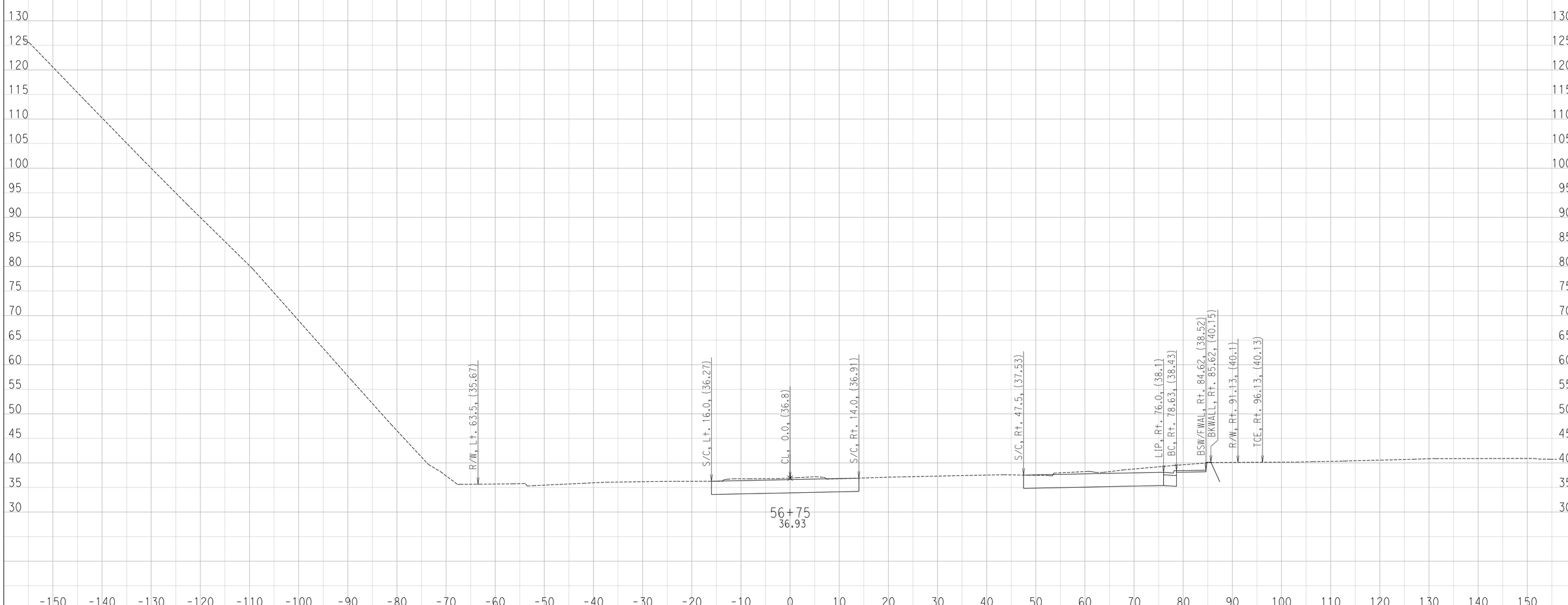
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/29/2016

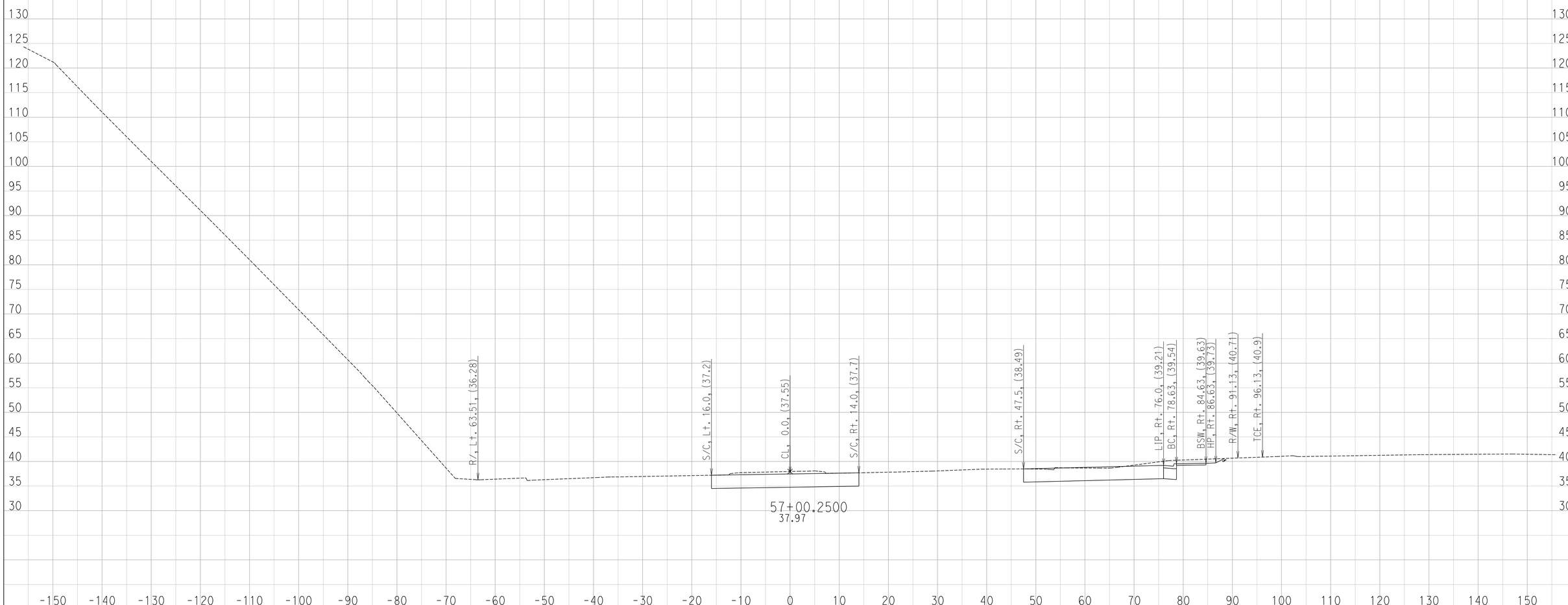
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 26 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 27 OF 130

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/29/2016

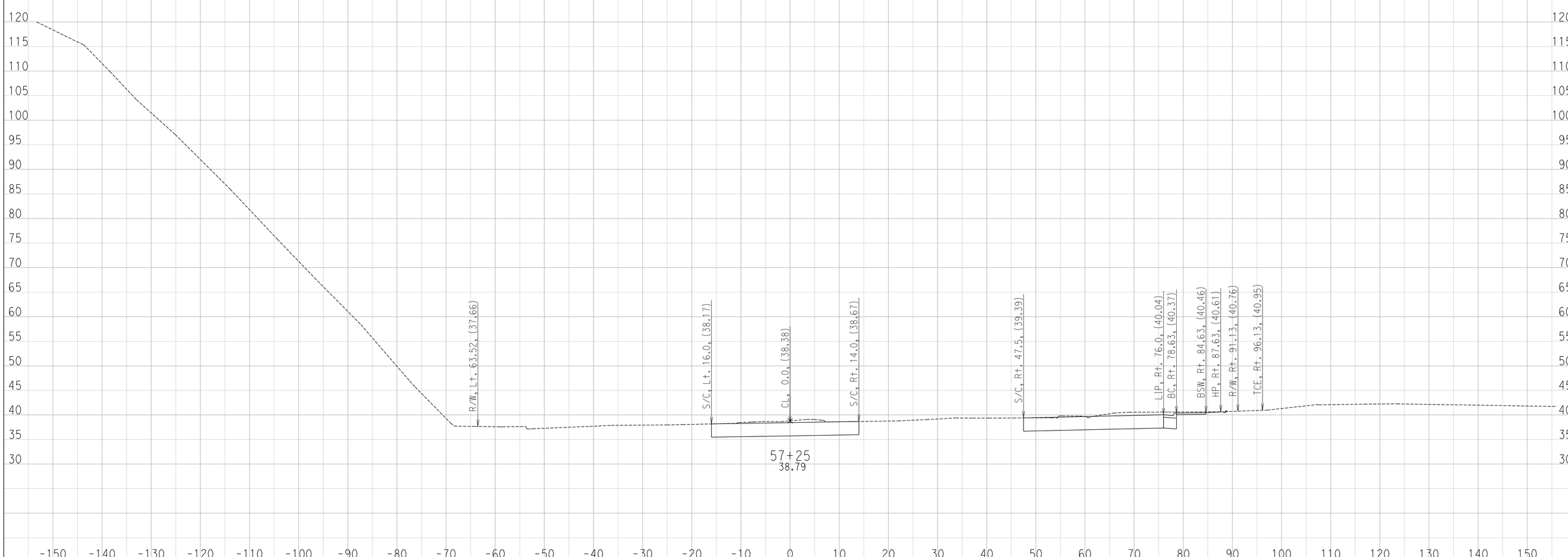
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/29/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 30 OF 130

DESIGN STUDY ONLY

CREATED BY: Ryan S.
DATE: 6/29/2016

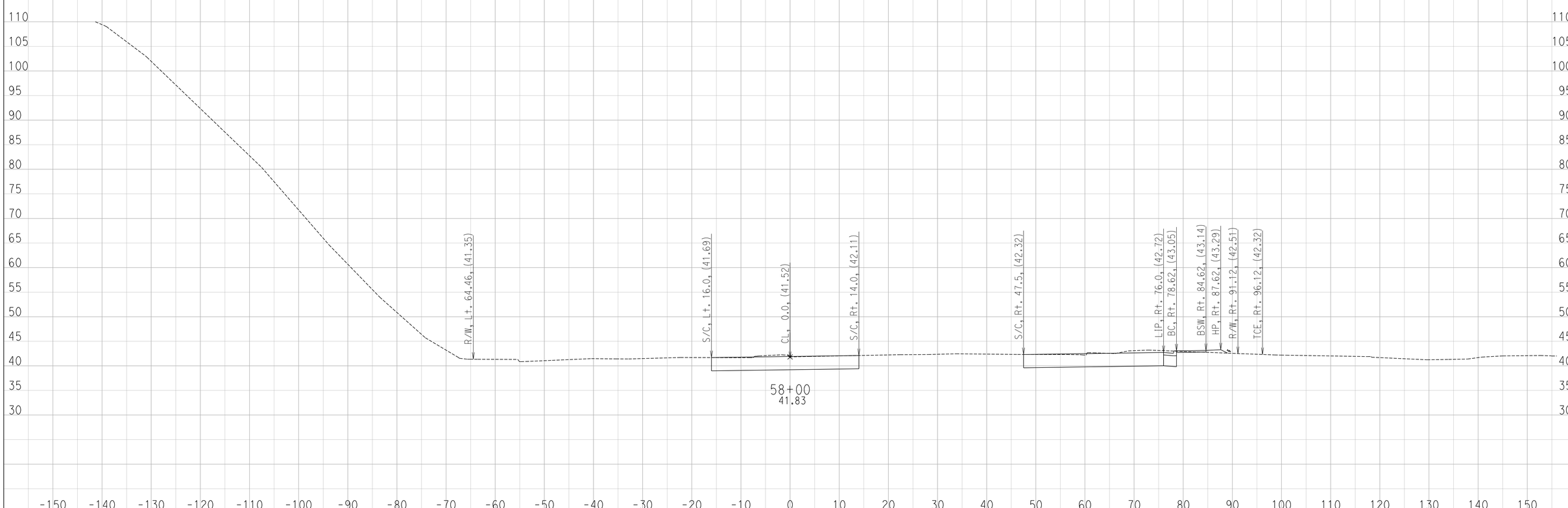
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

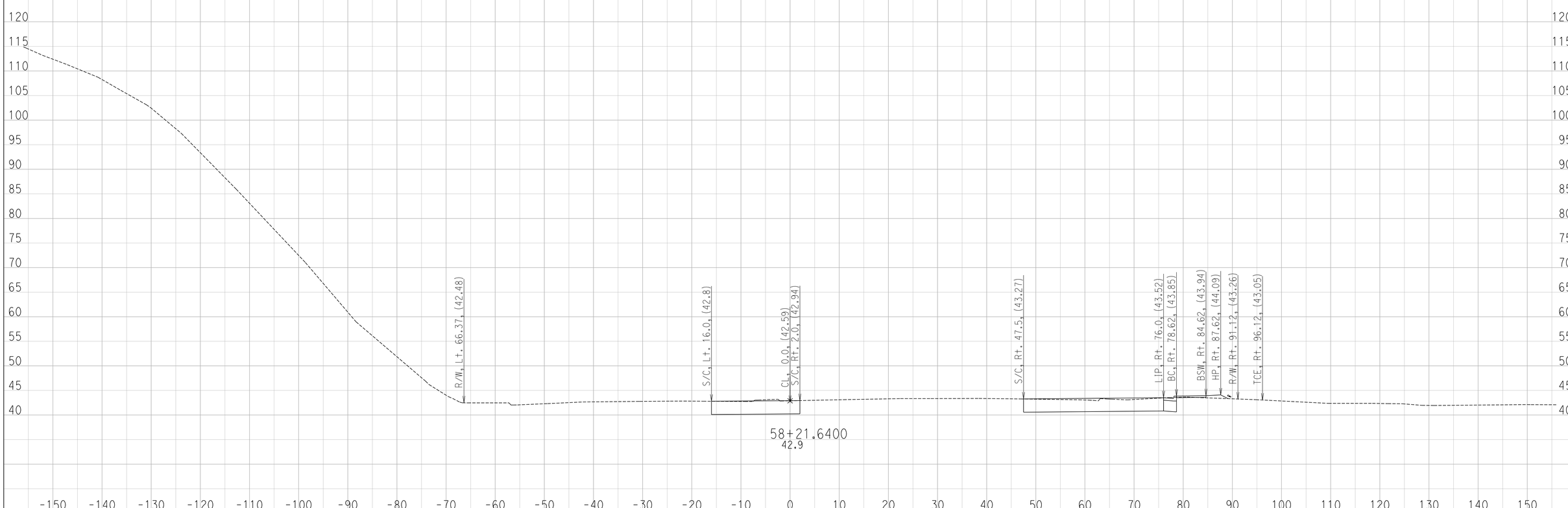
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

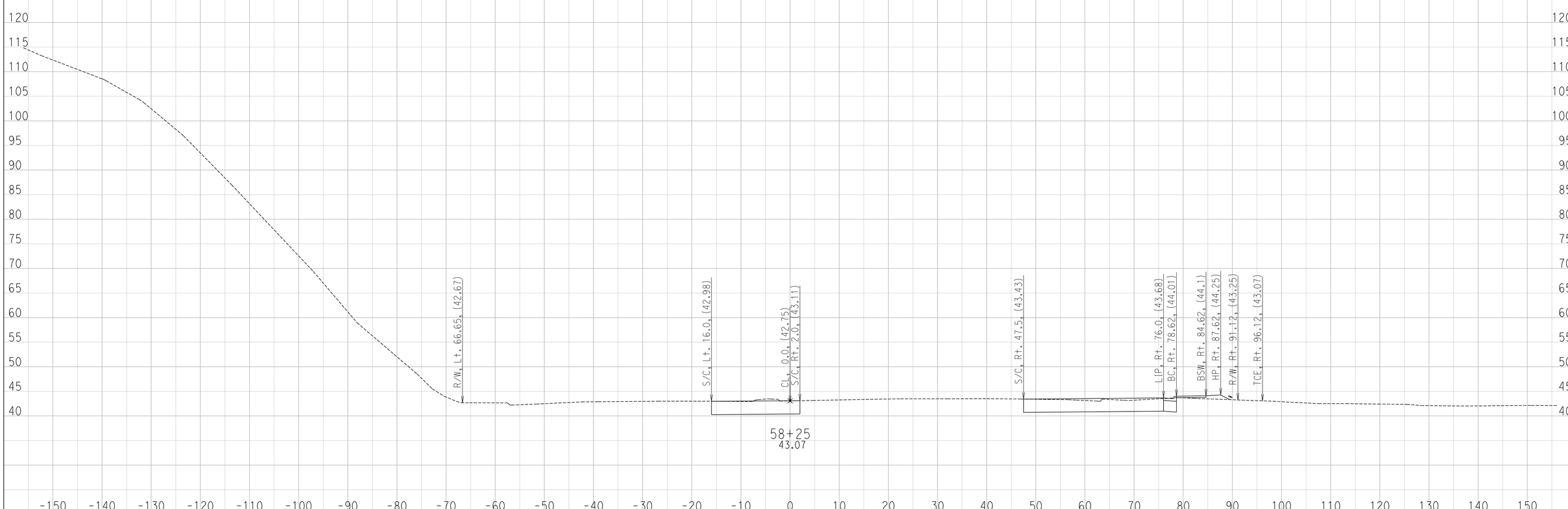
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

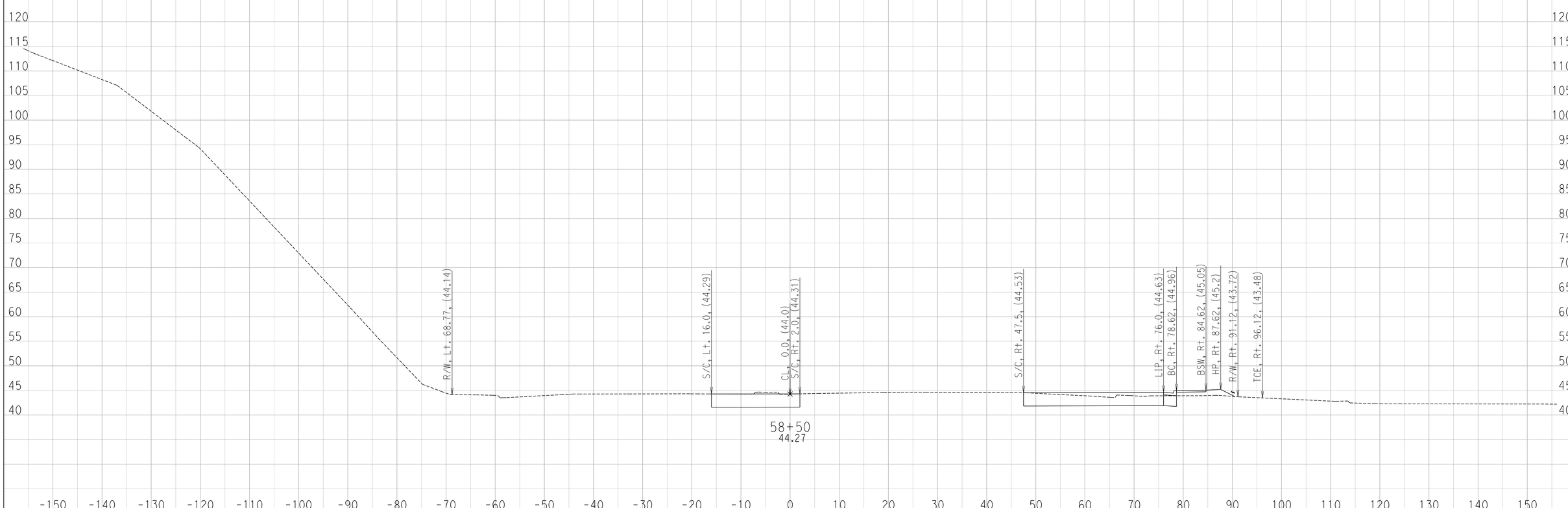
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 34 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

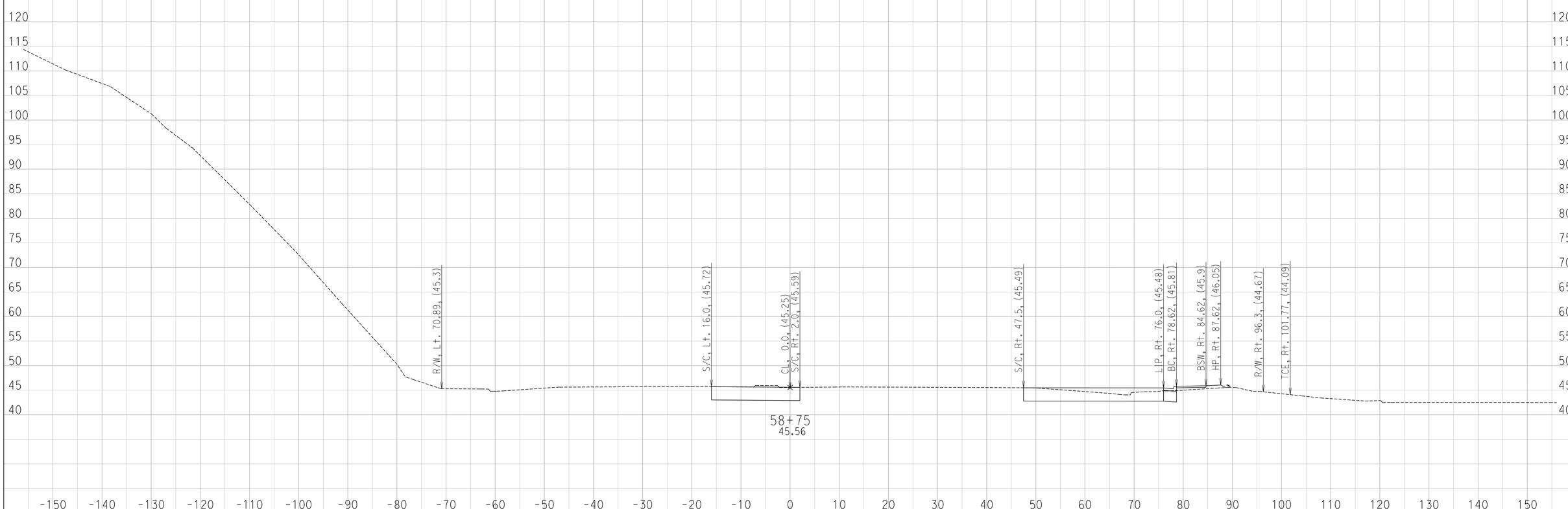
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

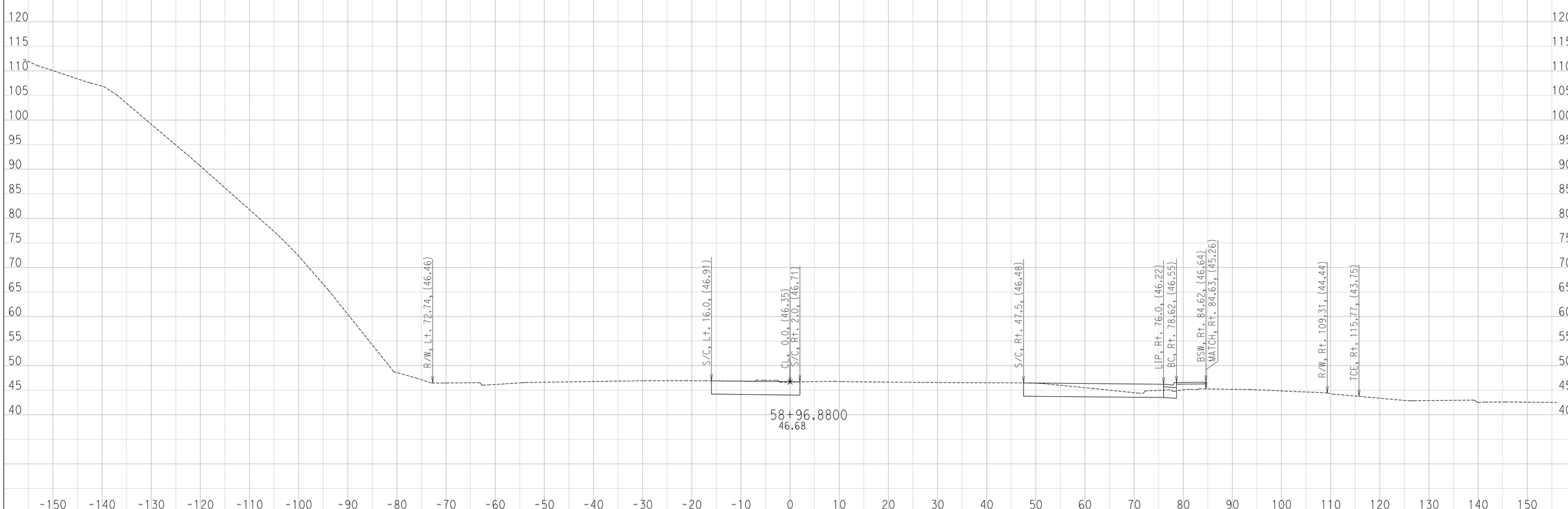
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

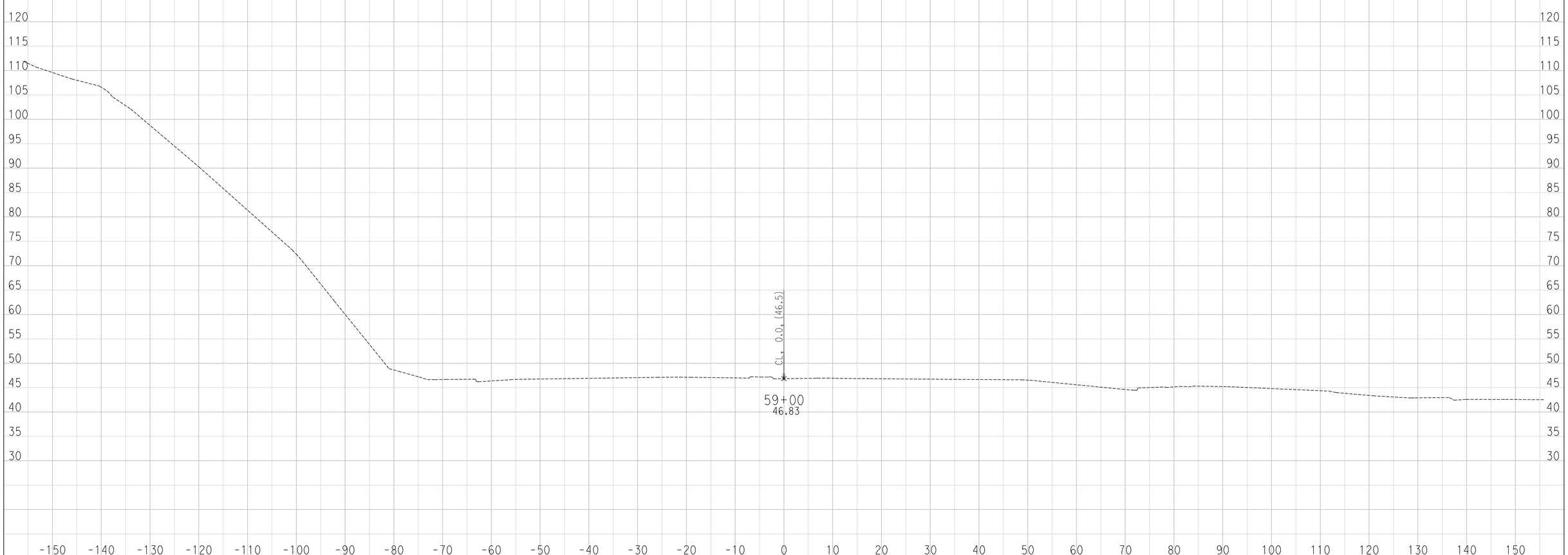
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

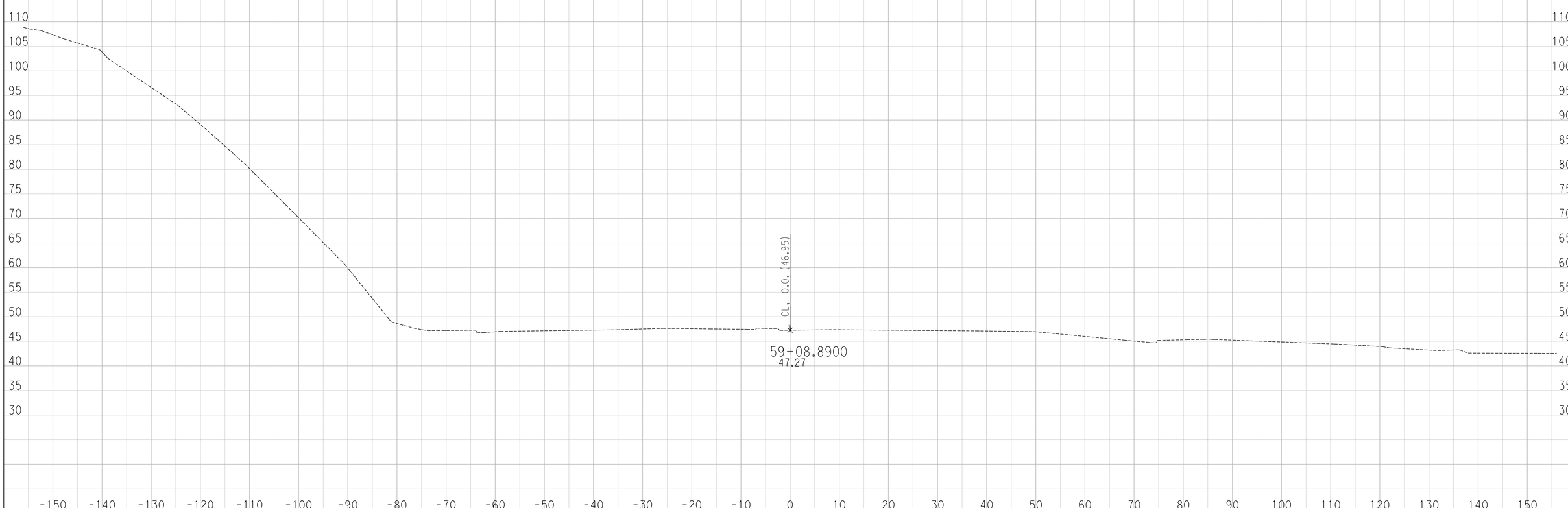
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

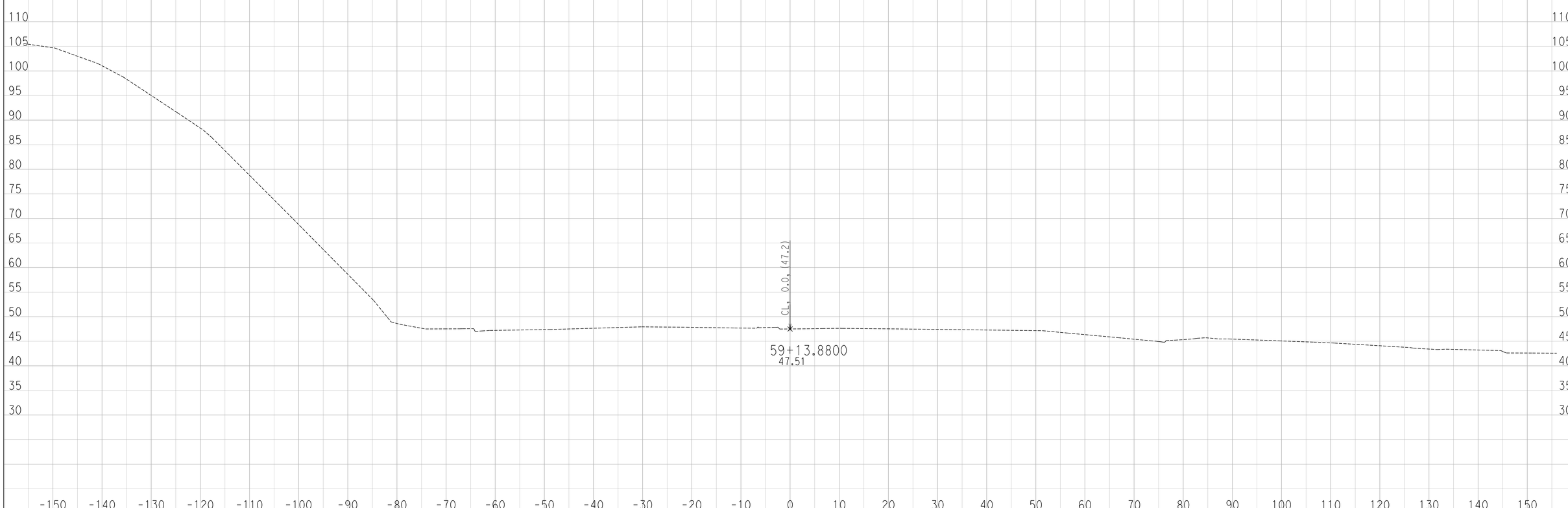
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 39 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

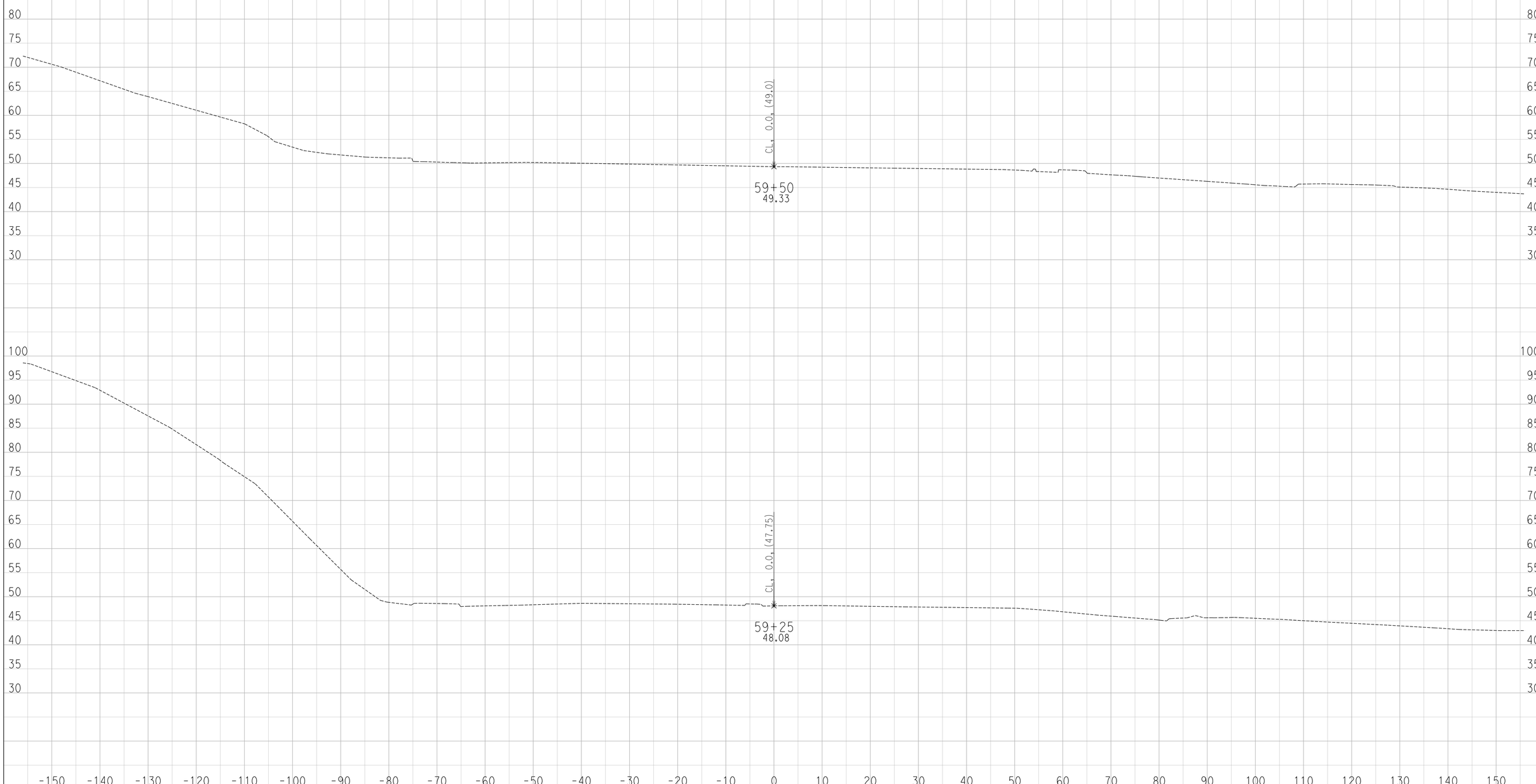
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

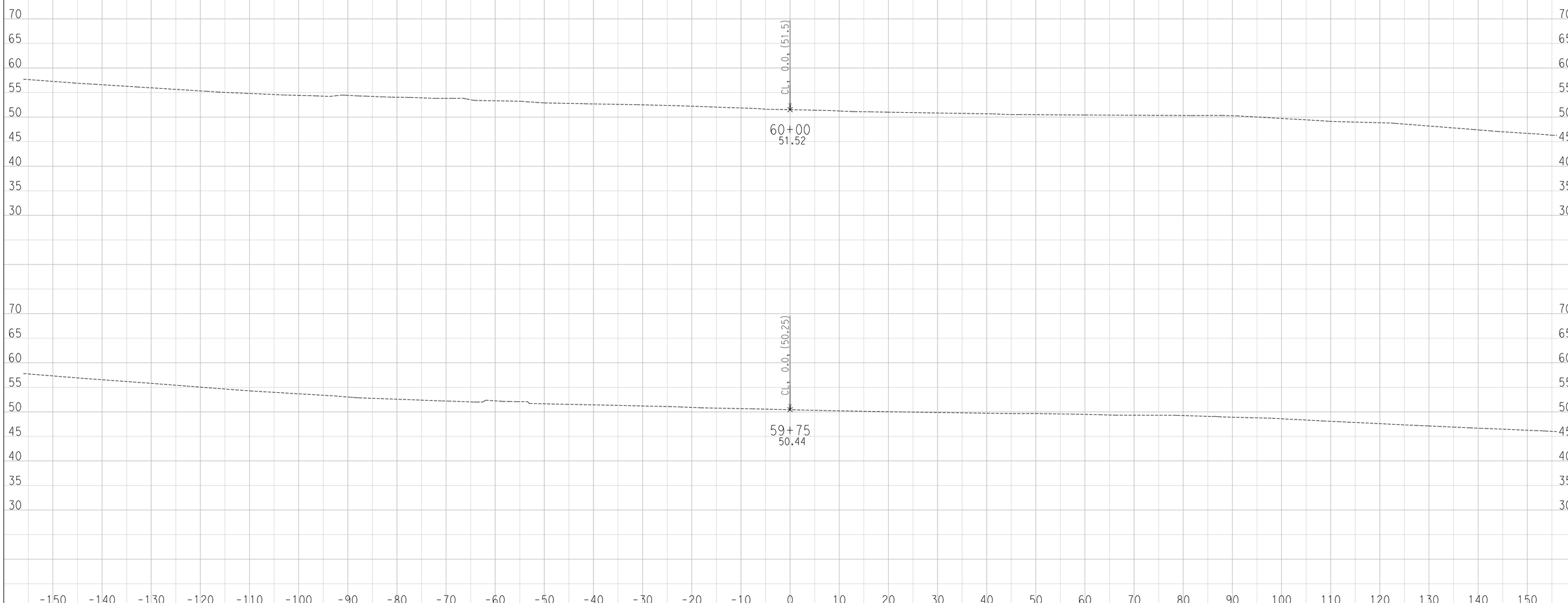
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

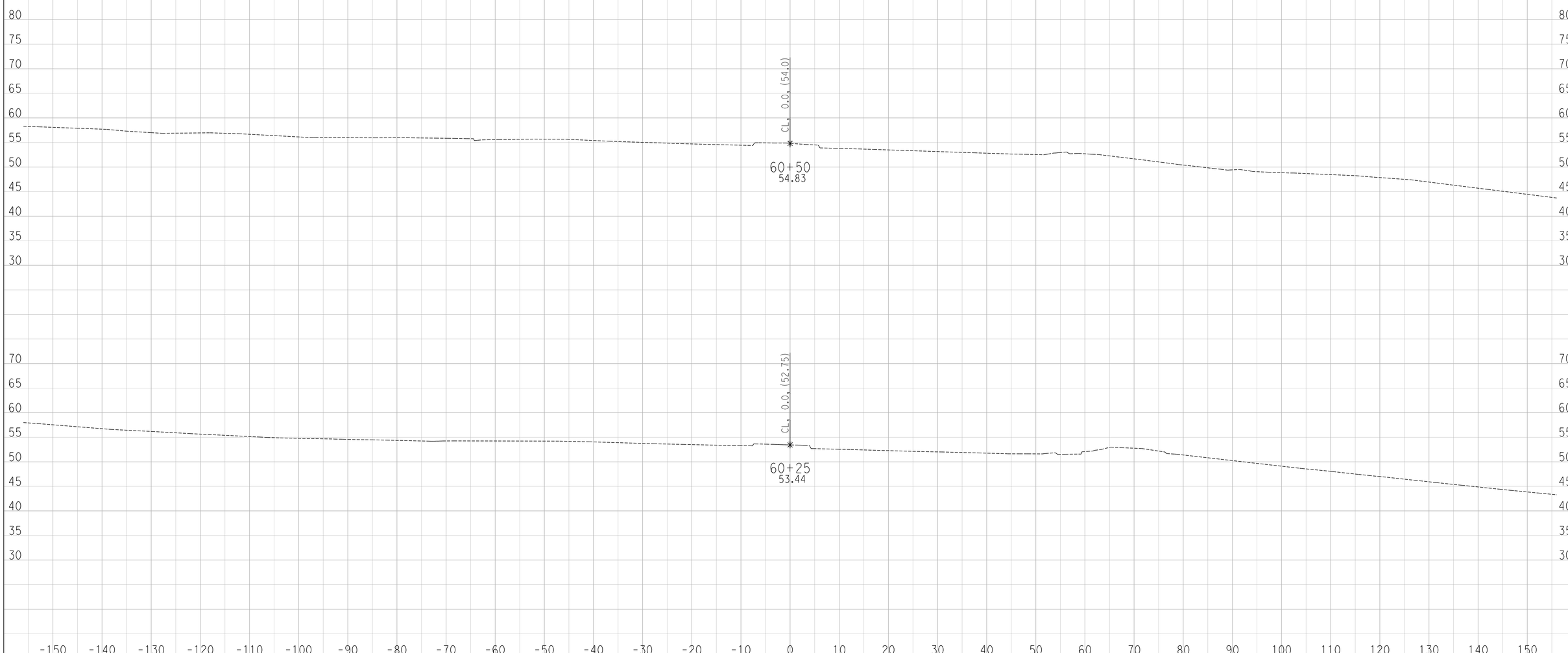
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

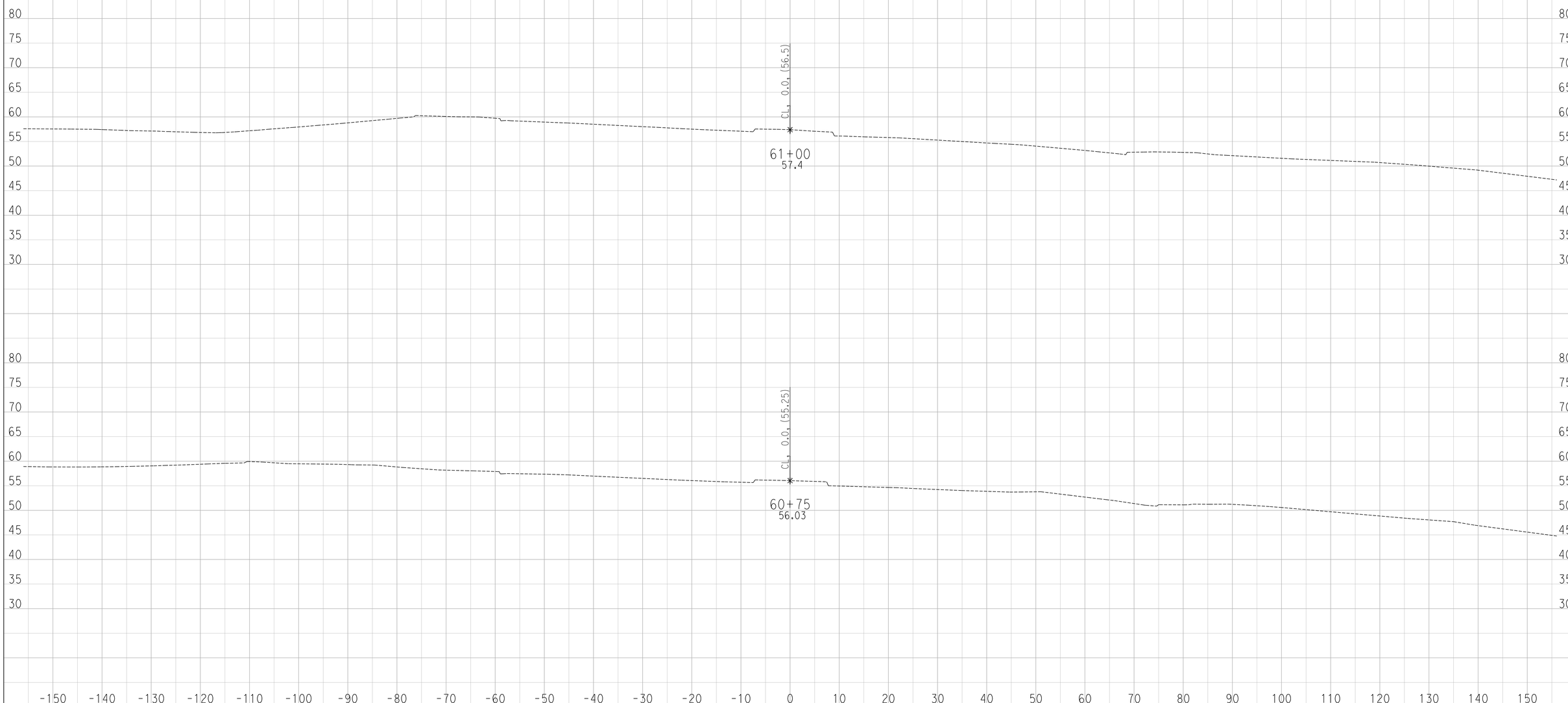
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

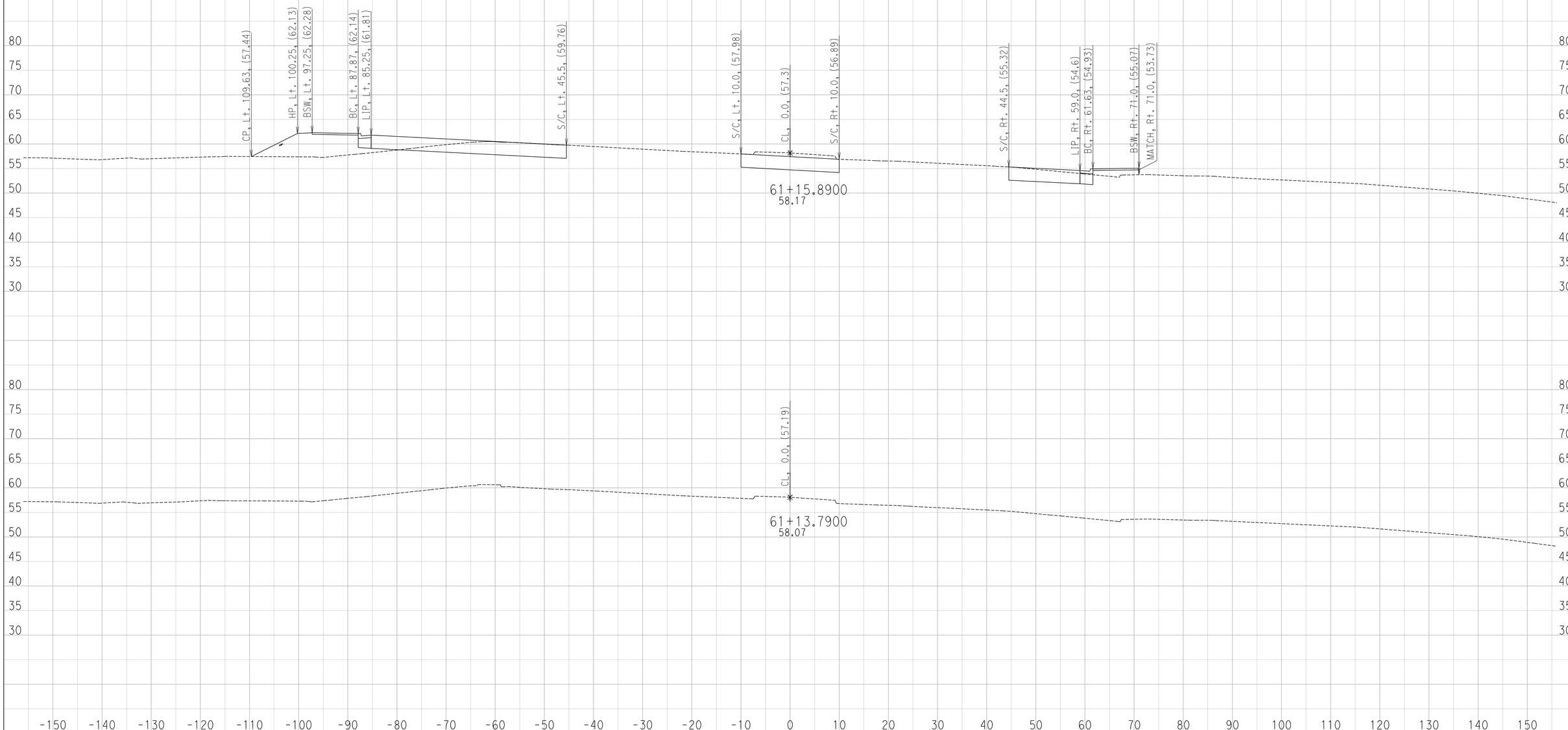
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

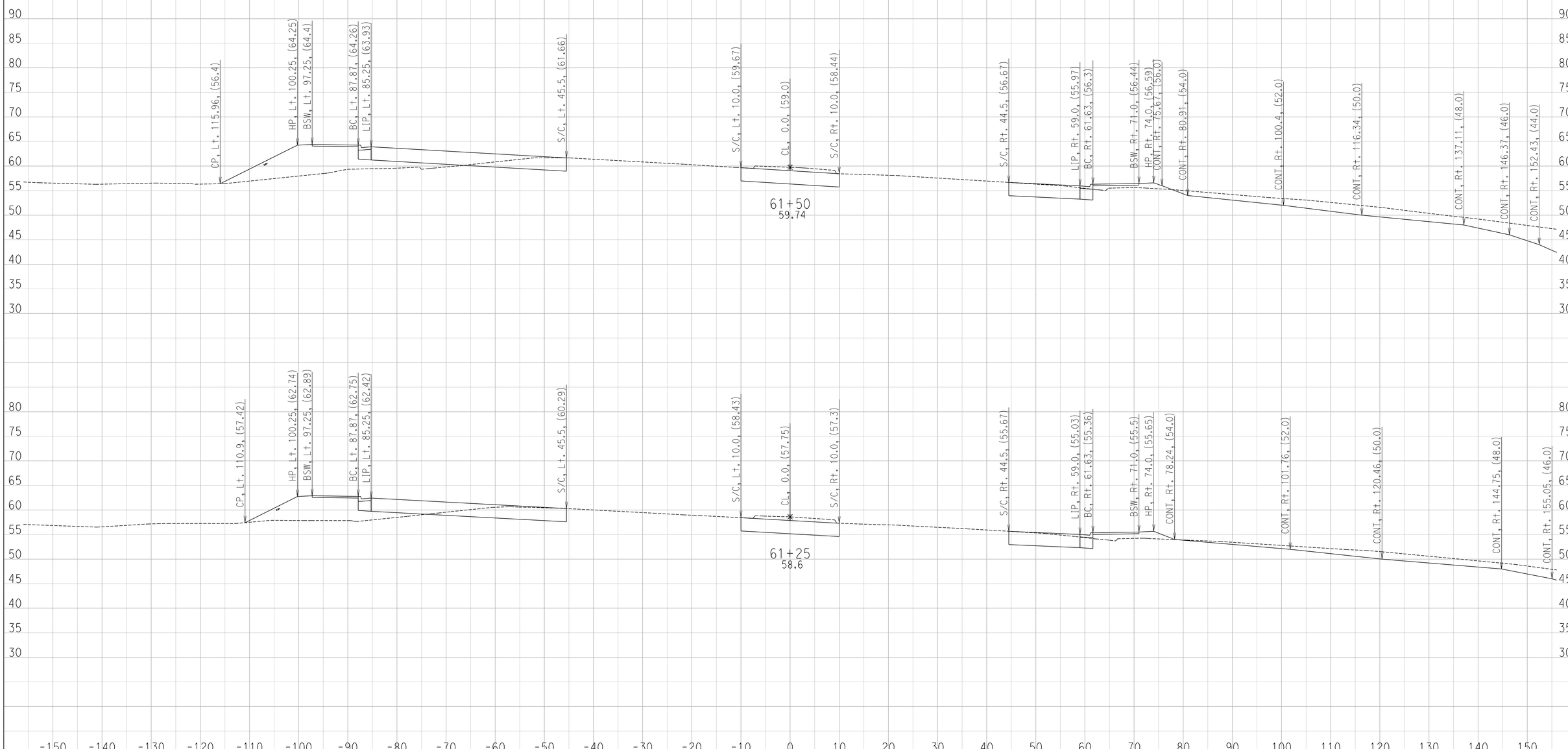
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

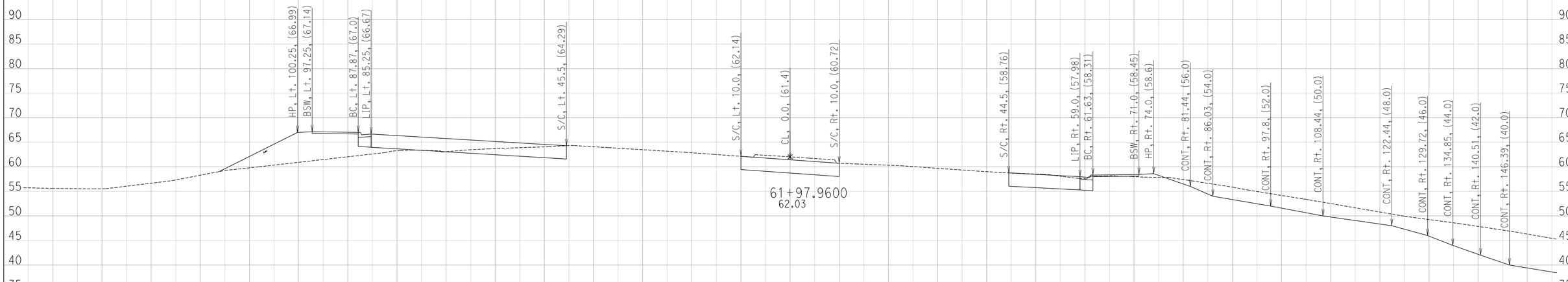
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

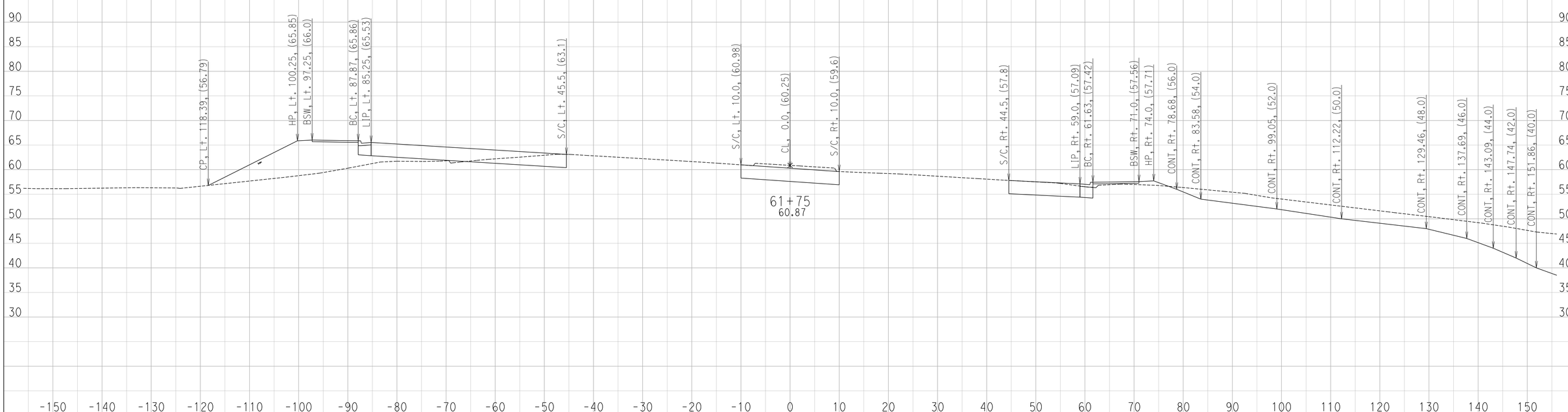
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/29/2016

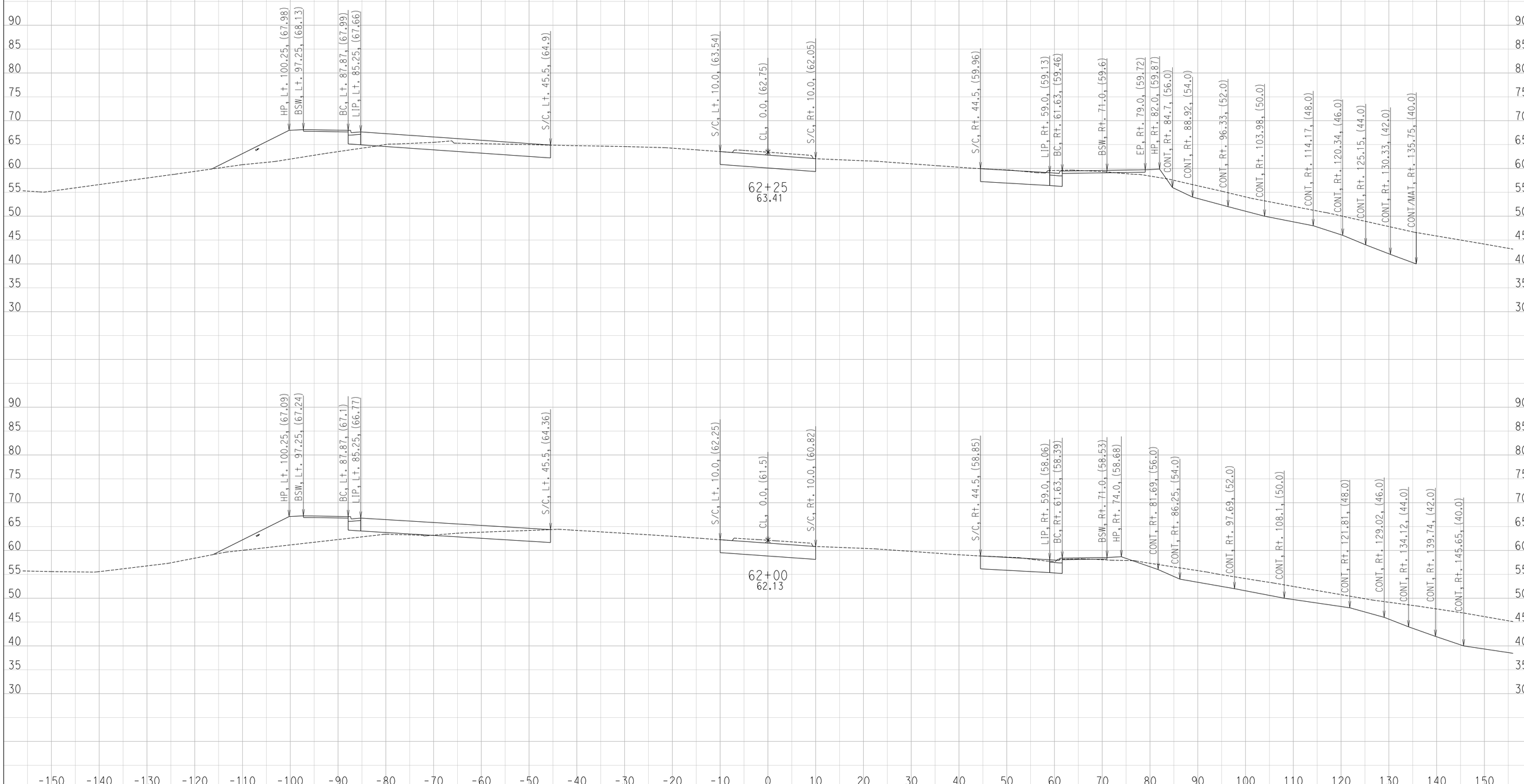
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 47 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

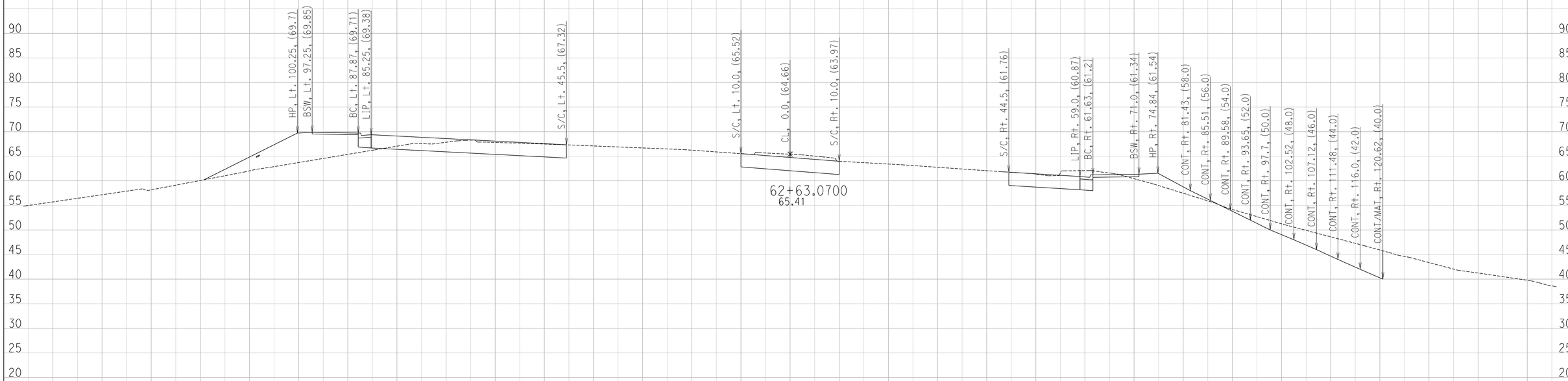
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

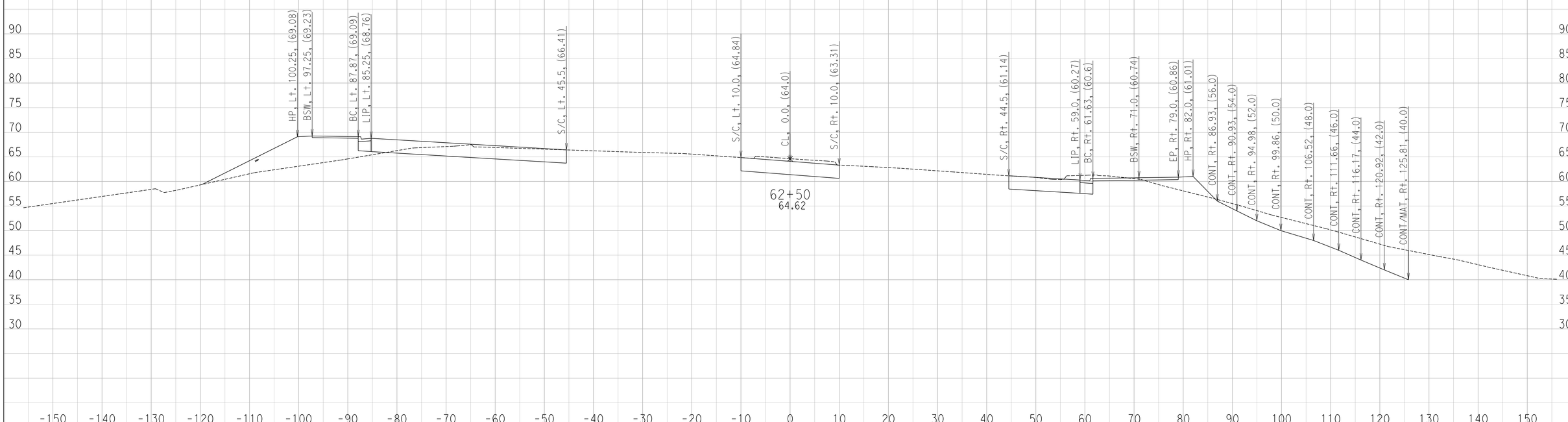
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 48 OF 130

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/29/2016

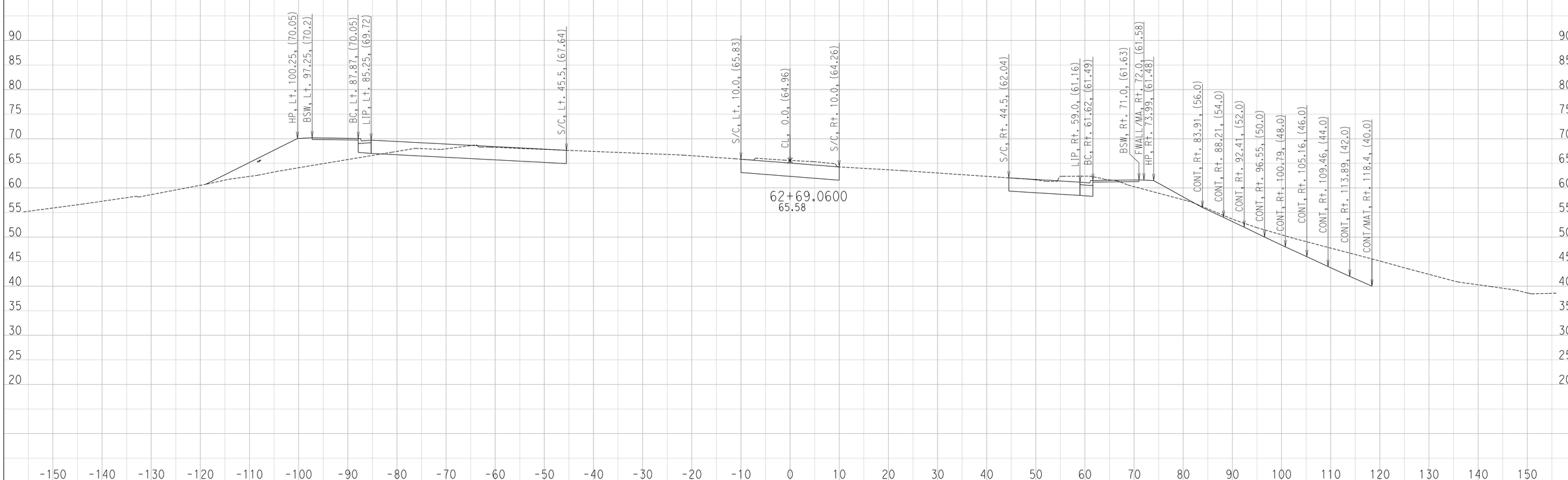
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

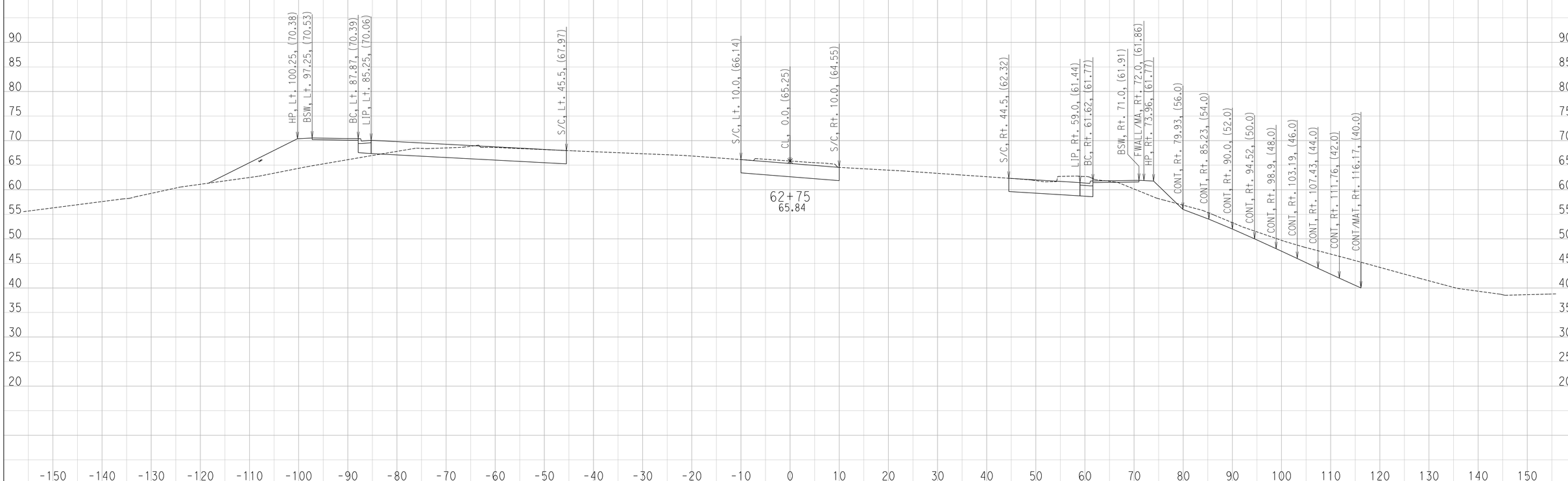
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 50 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

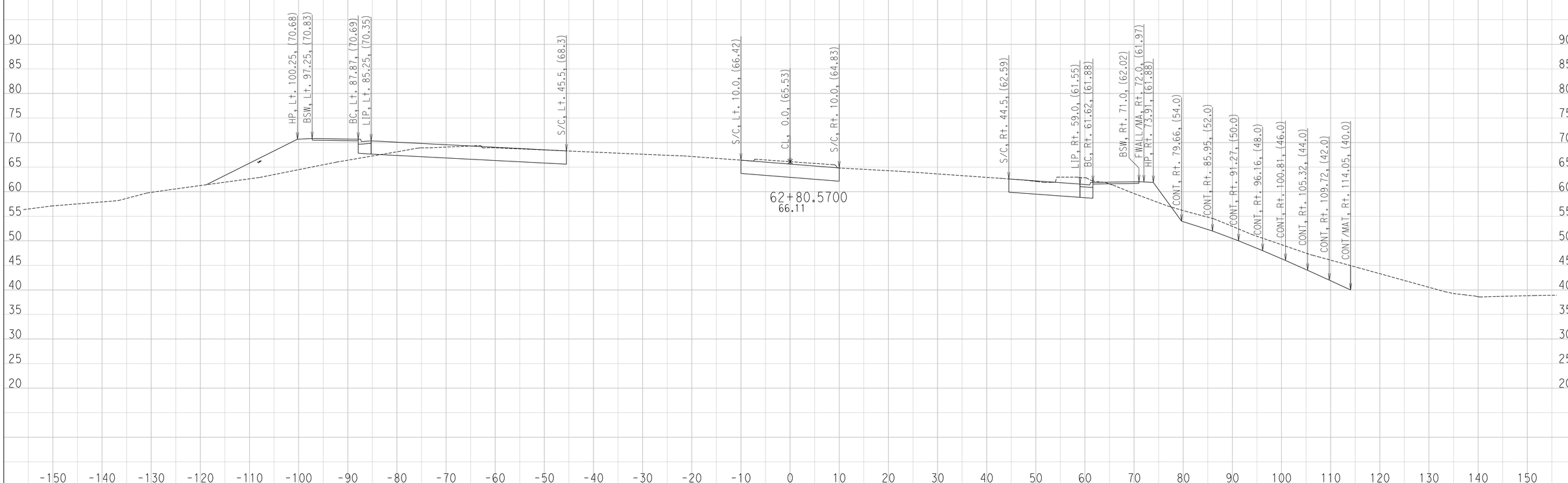
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 51 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

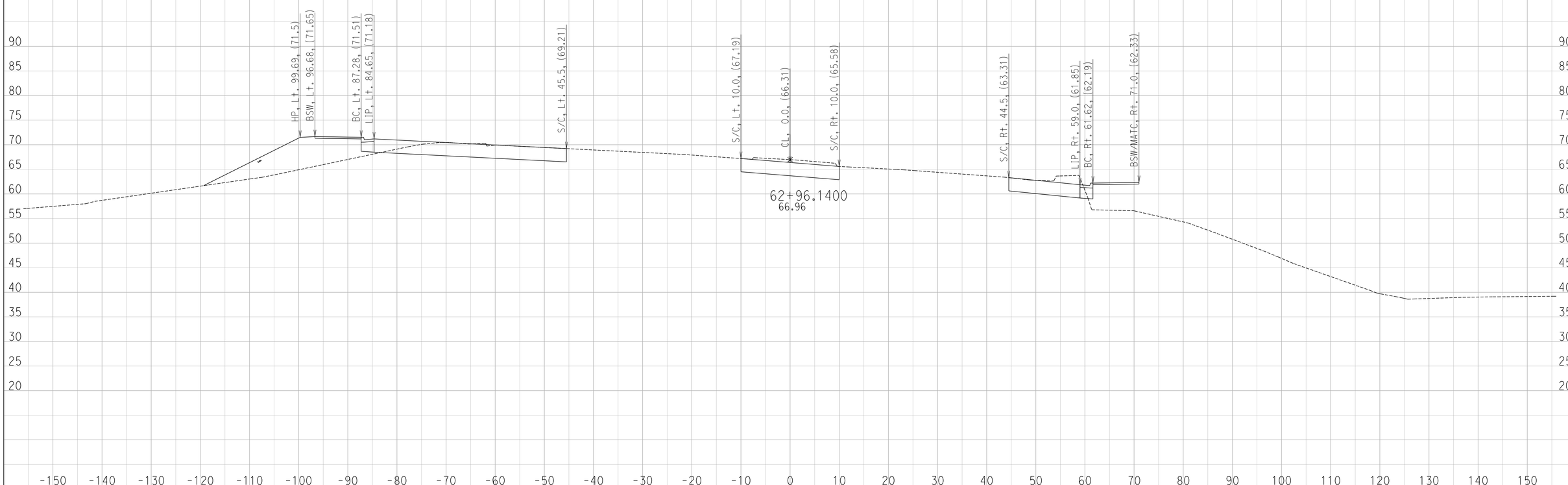
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 52 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

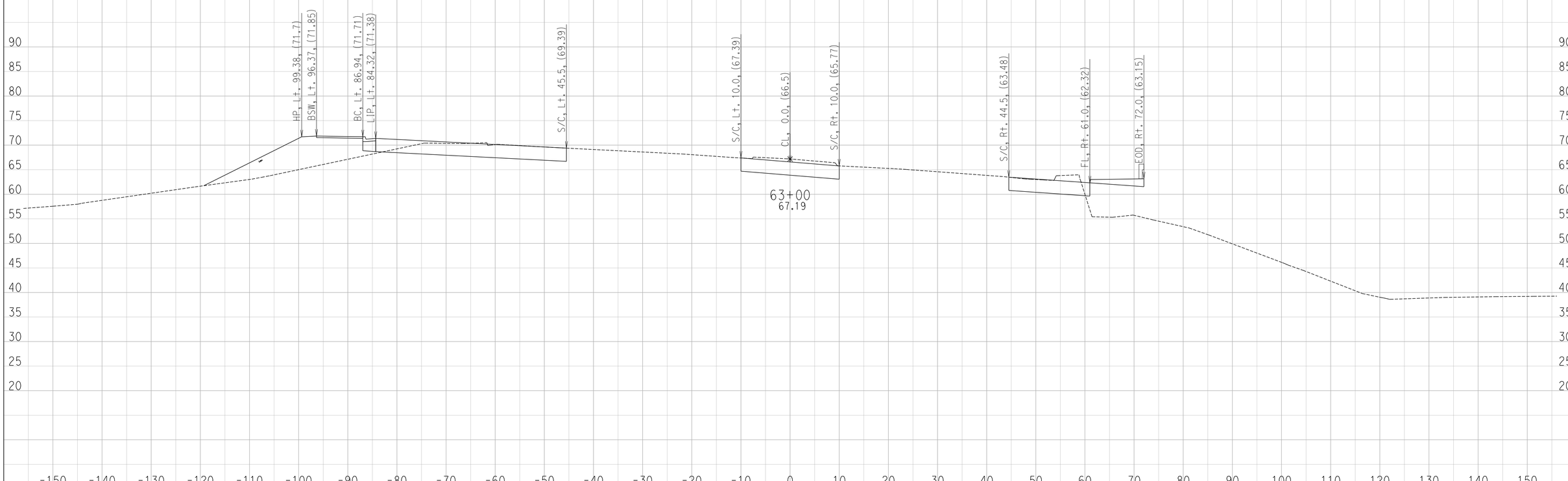
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

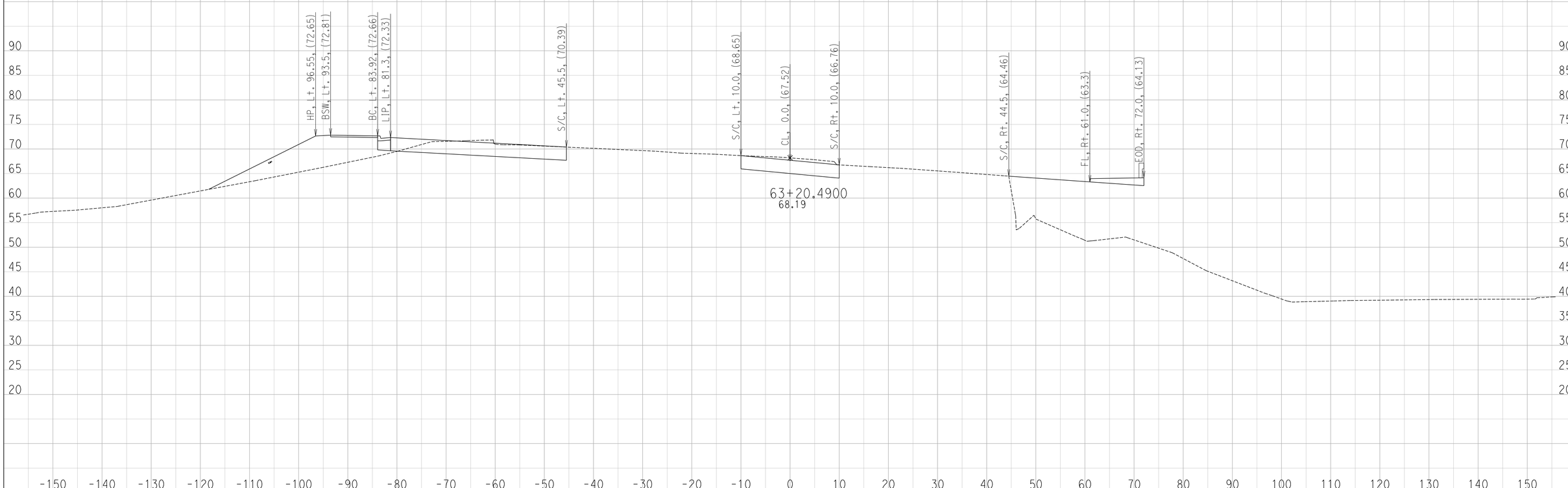
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 54 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

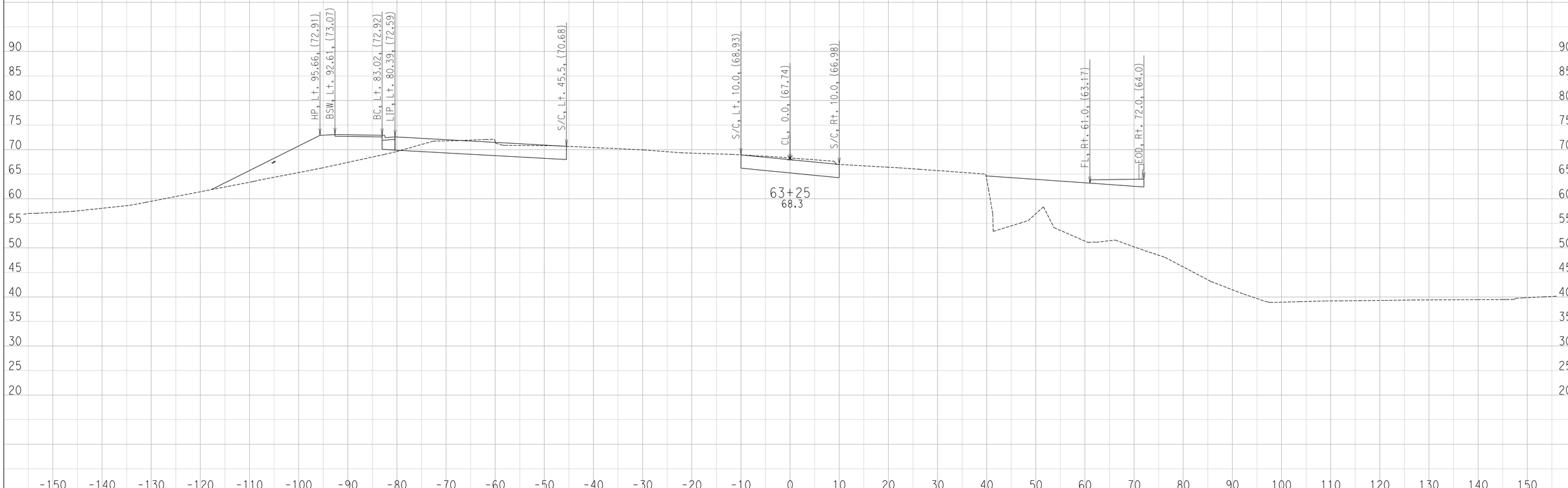
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 55 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

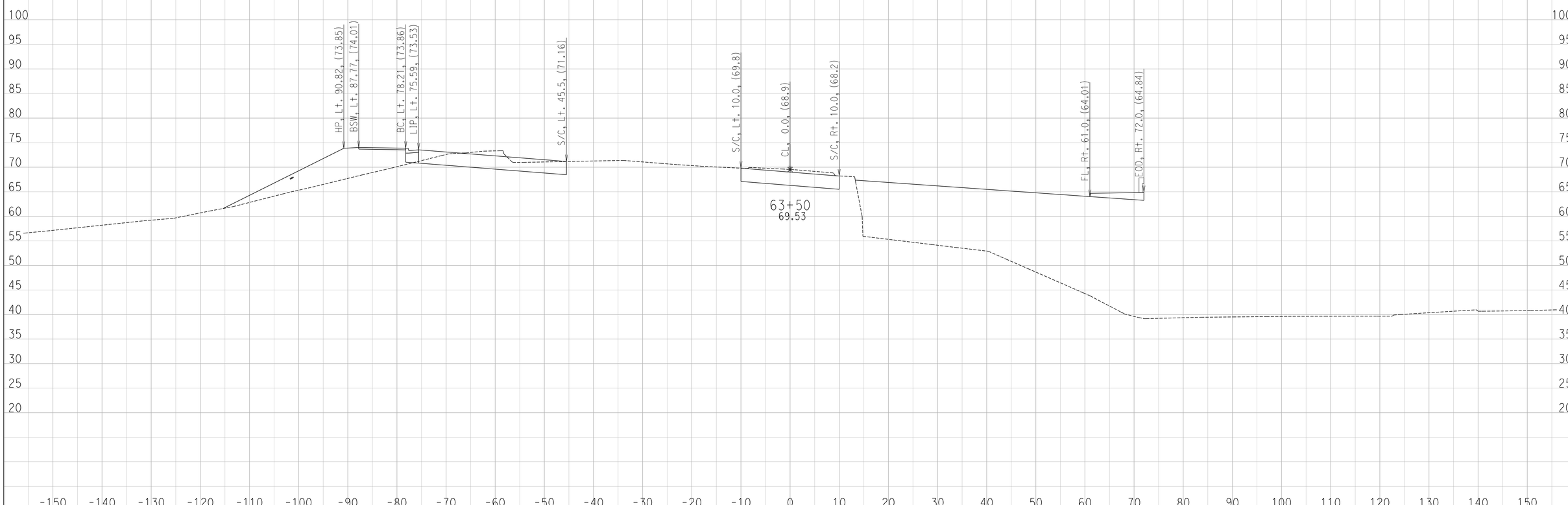
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 56 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

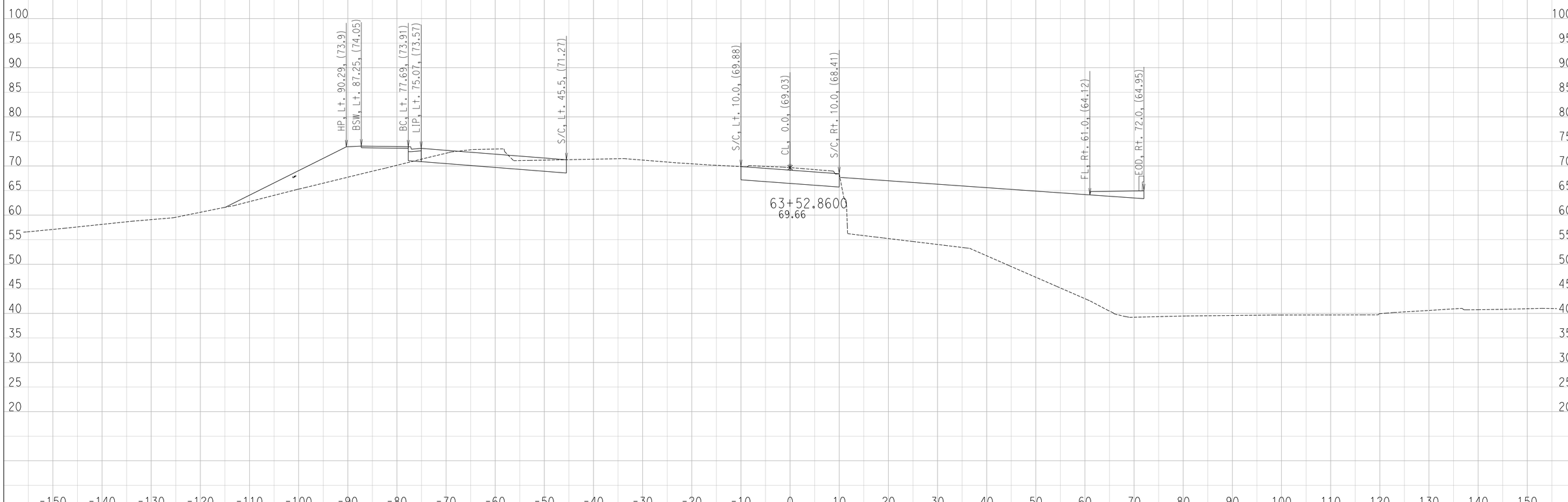
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 57 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

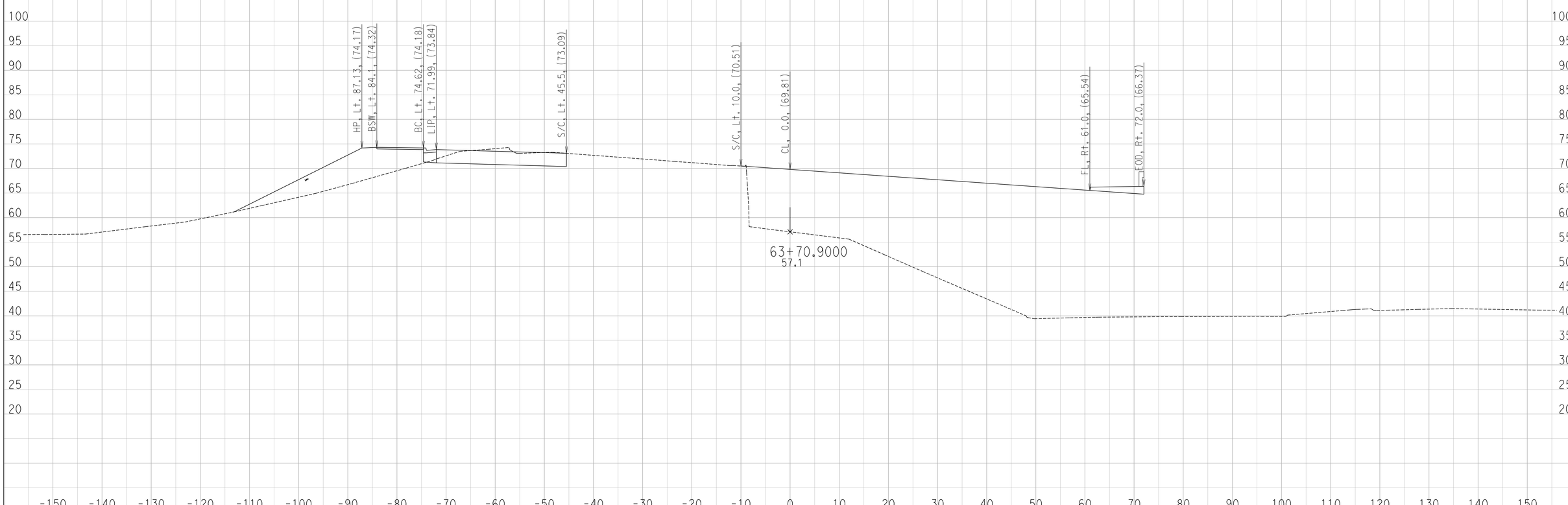
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 58 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

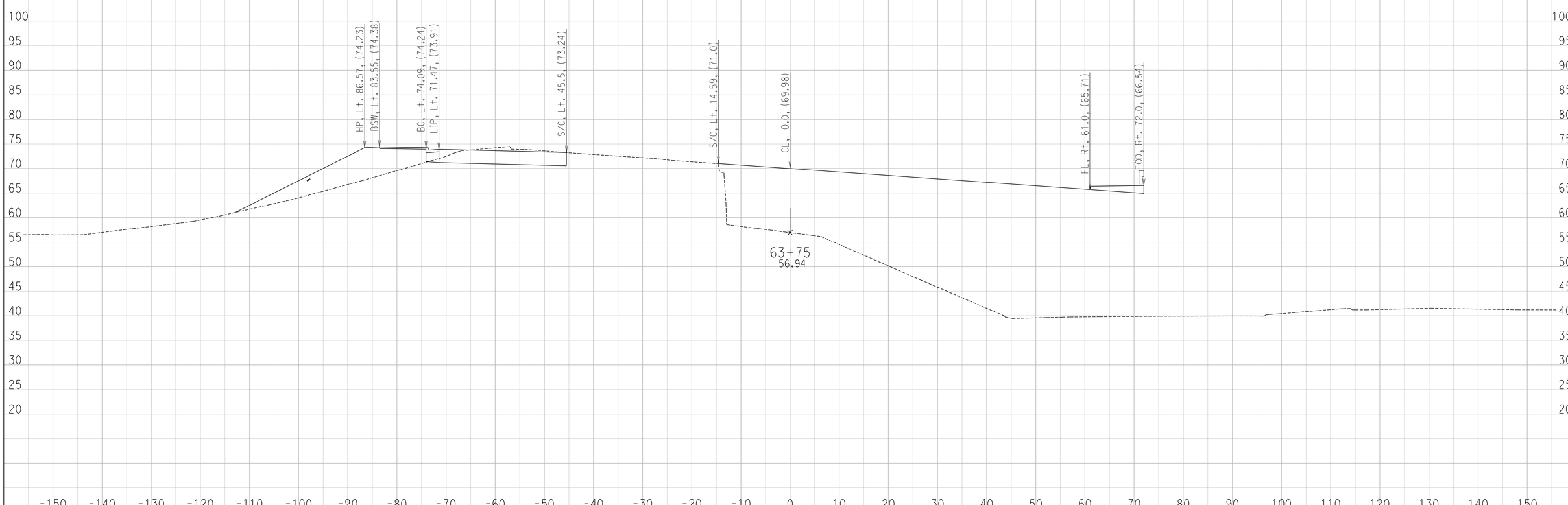
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 59 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

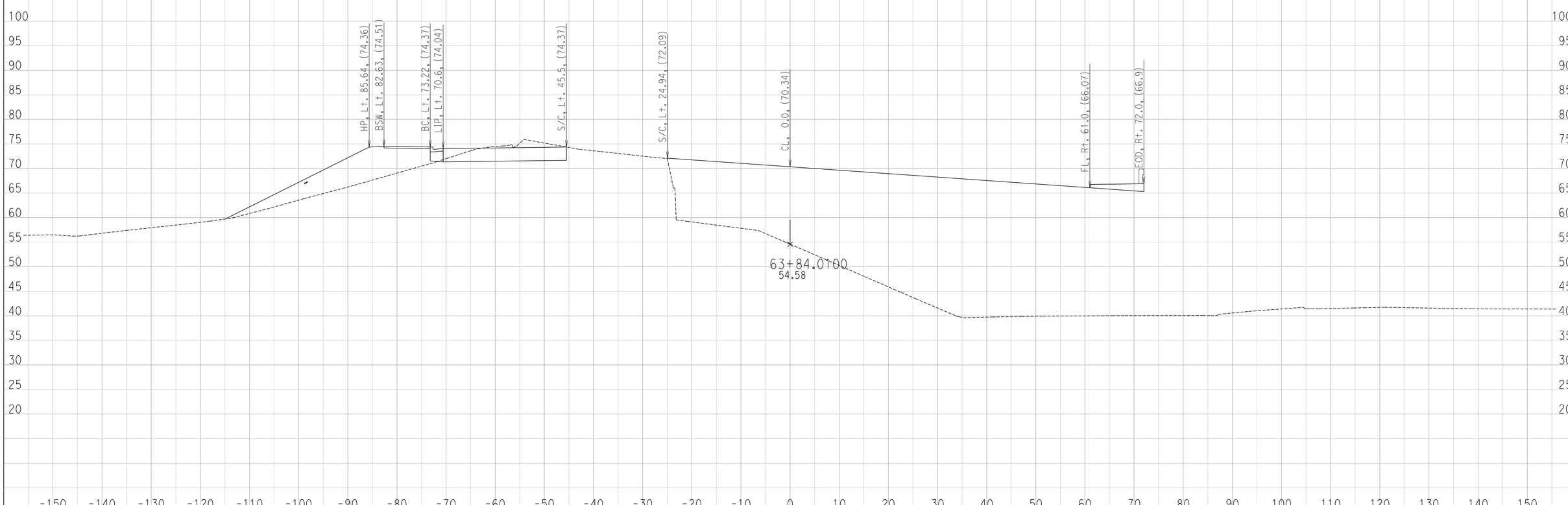
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 60 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

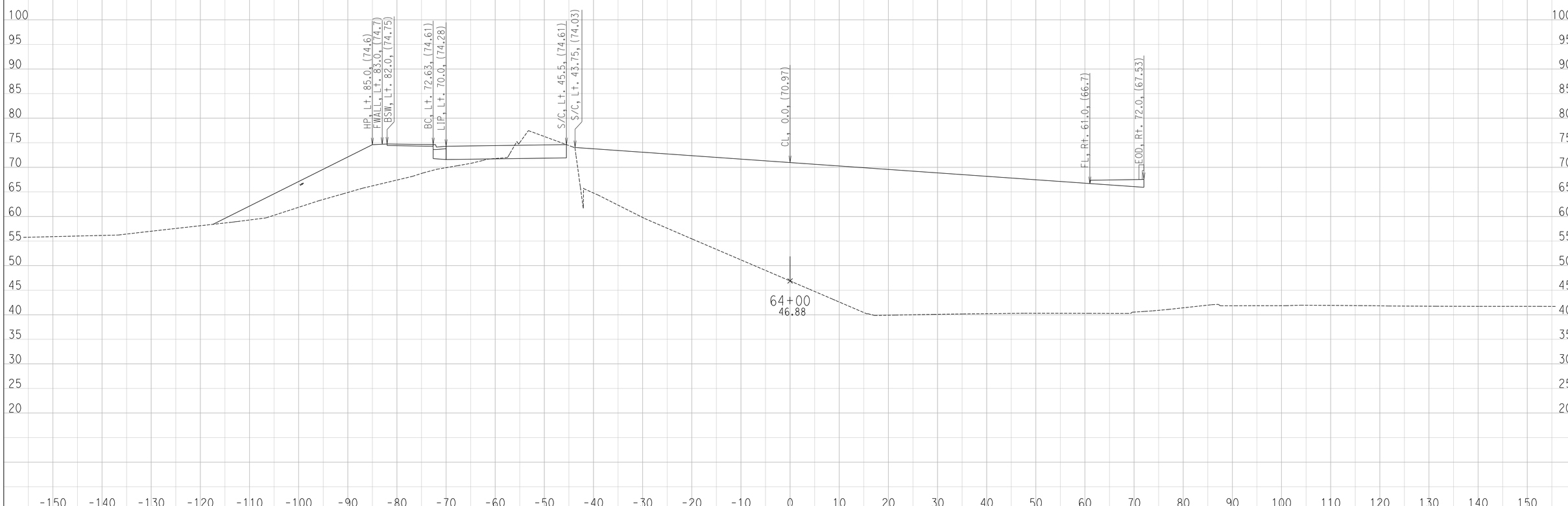
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 61 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

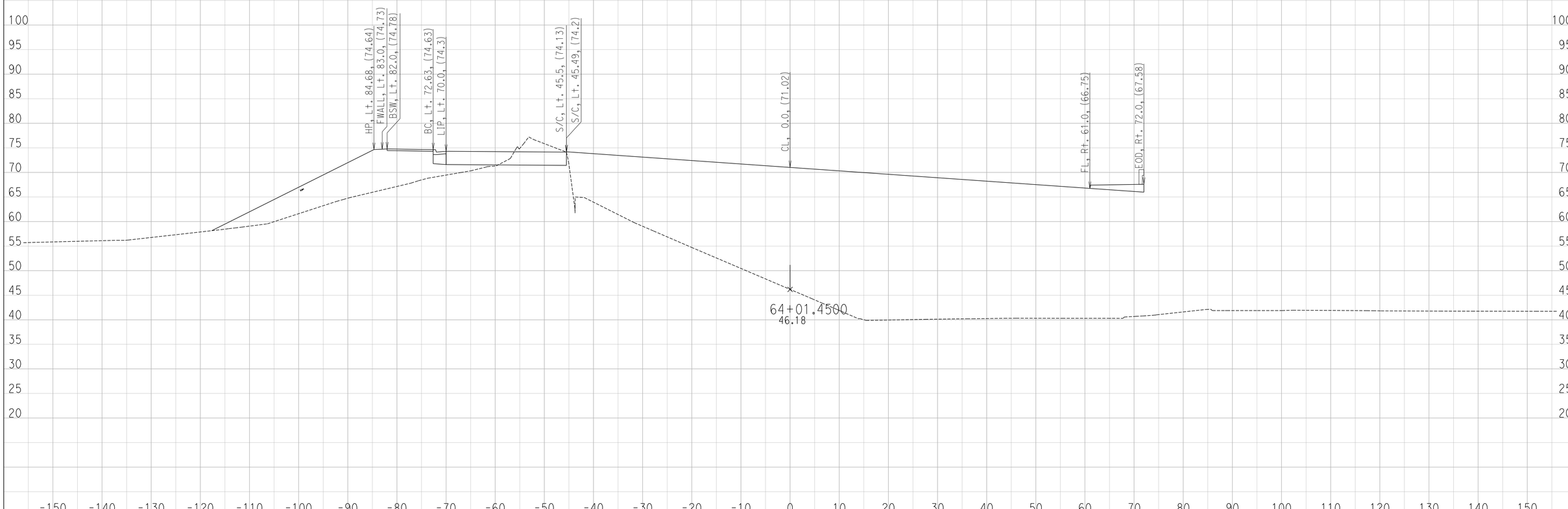
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 62 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

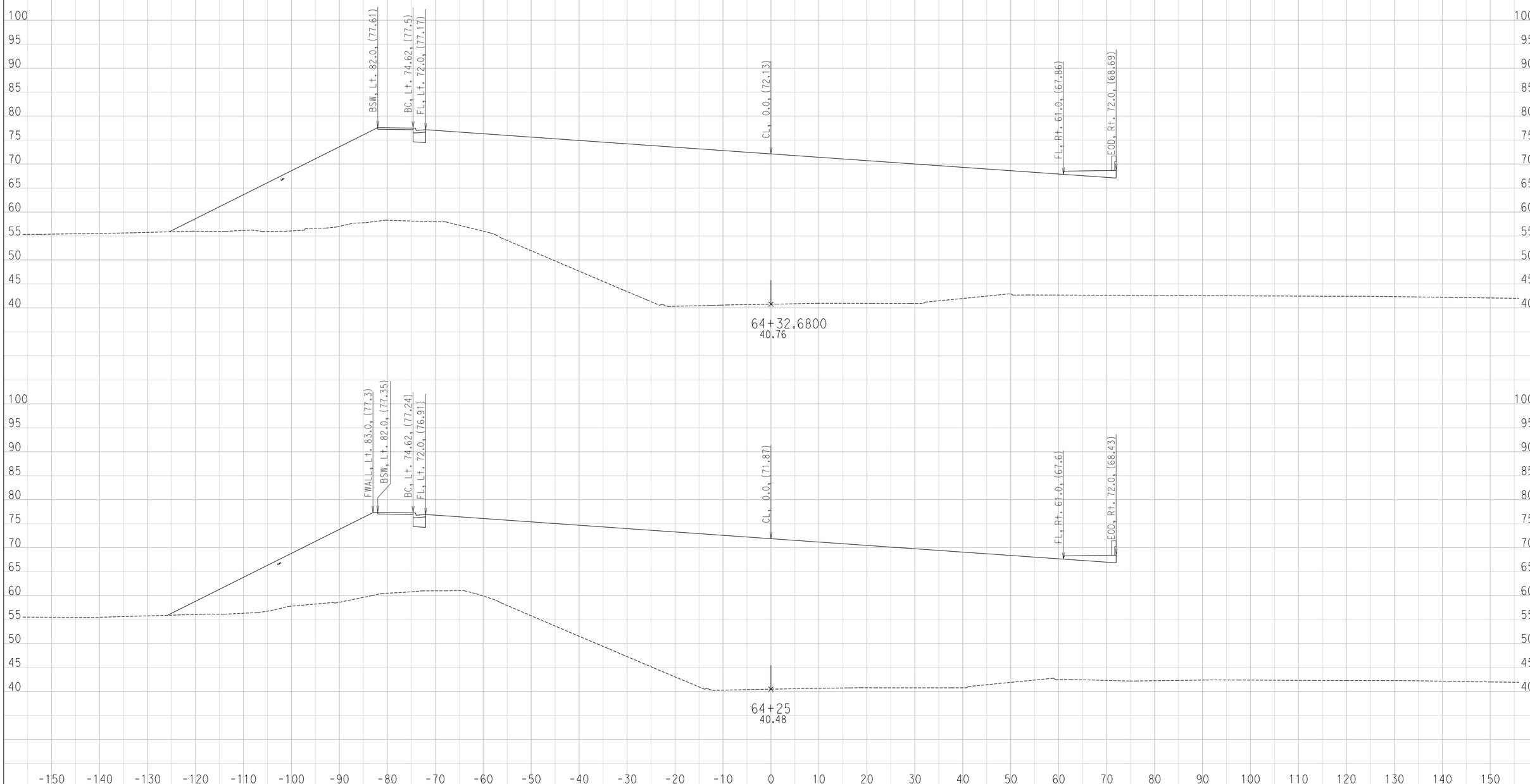
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 63 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

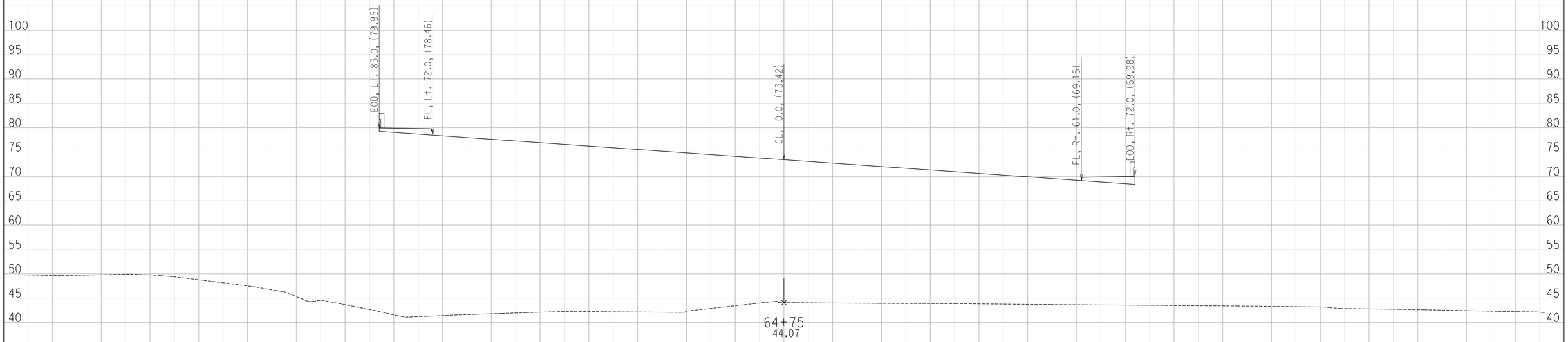
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

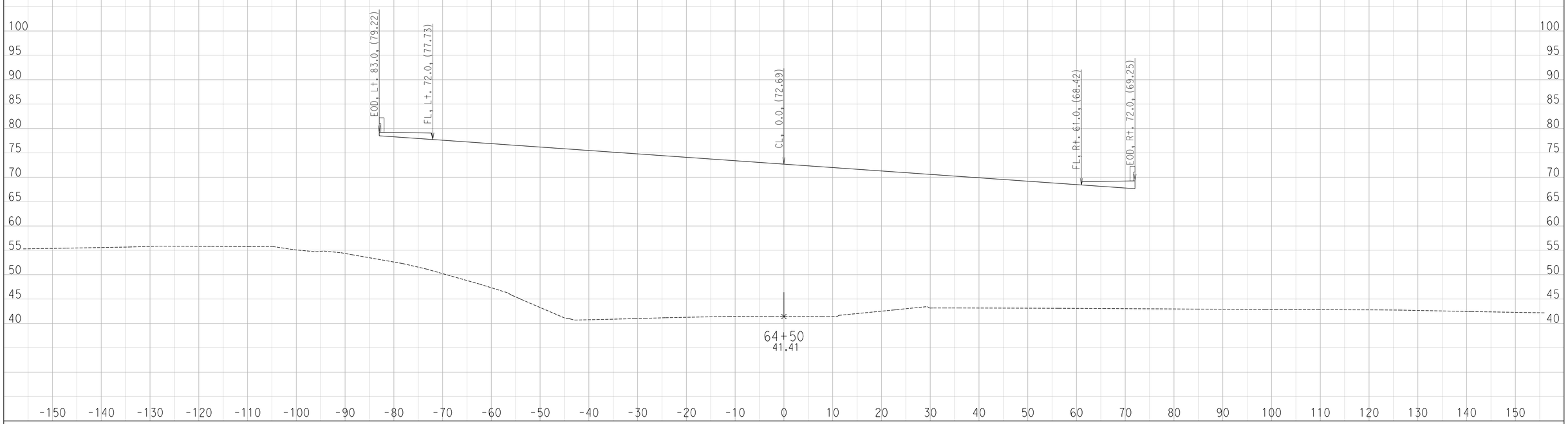
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 64 OF 130

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/29/2016

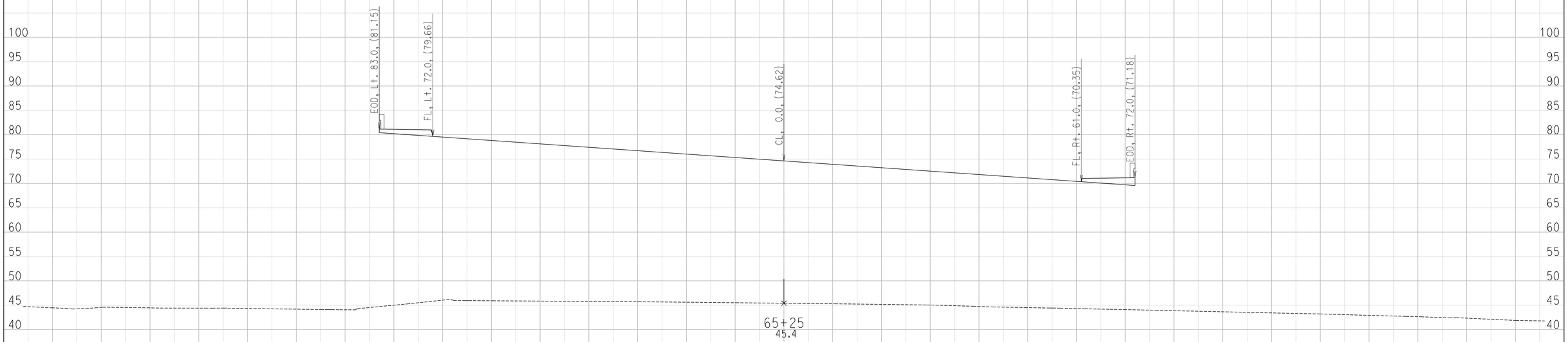
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

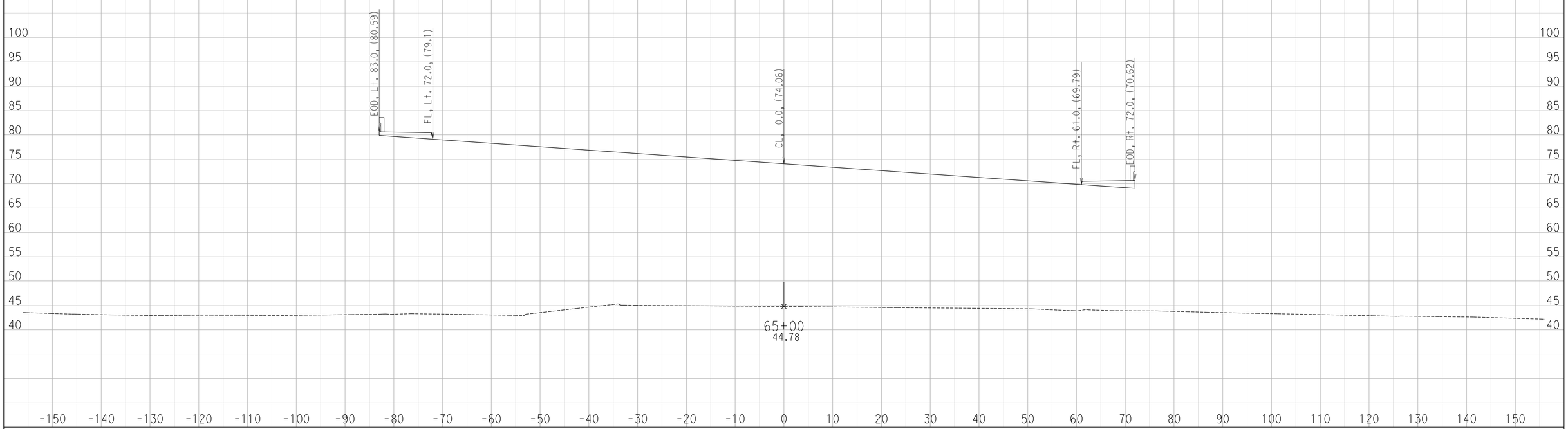
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/29/2016

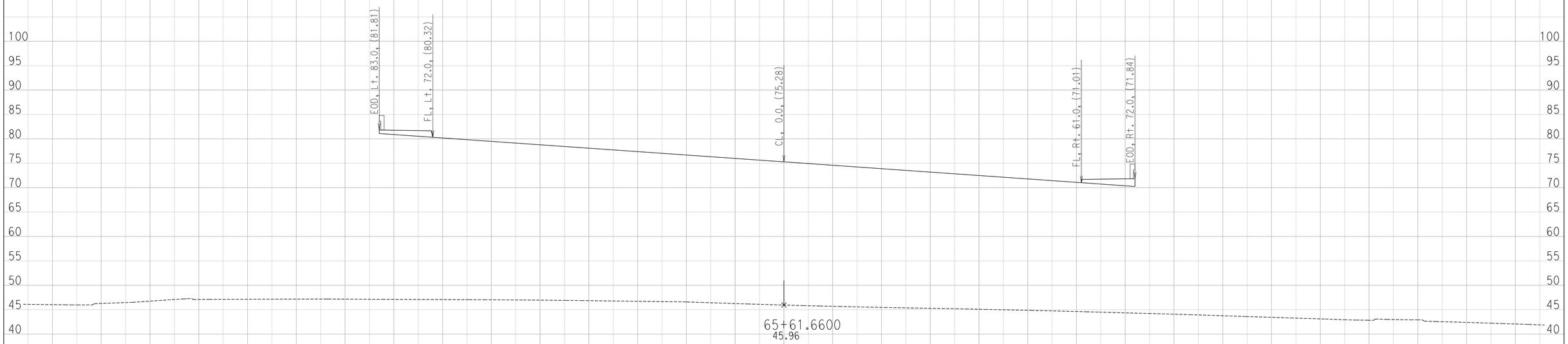
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

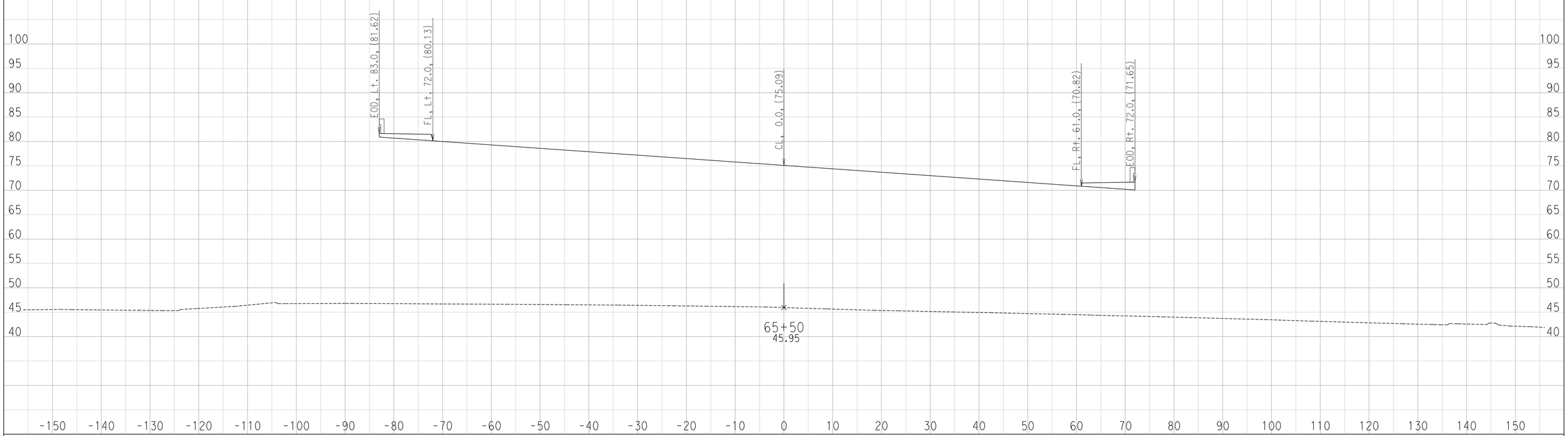
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/29/2016

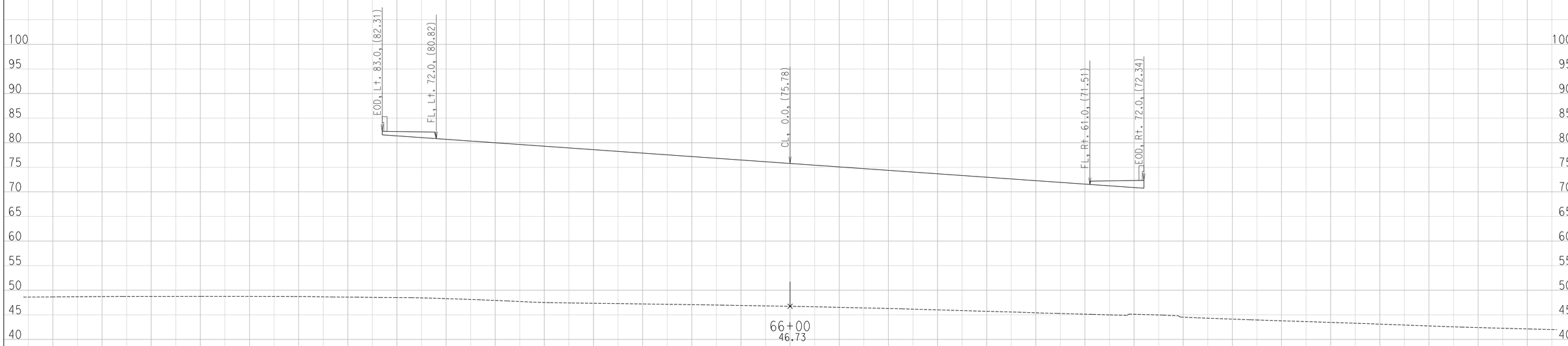
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

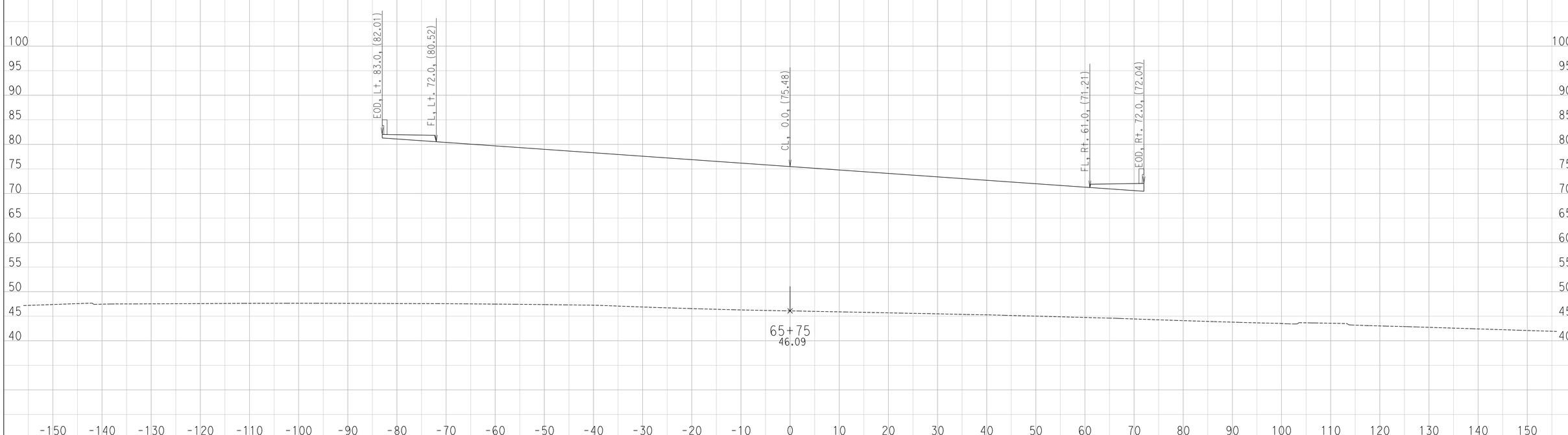
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 67 OF 130

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/29/2016

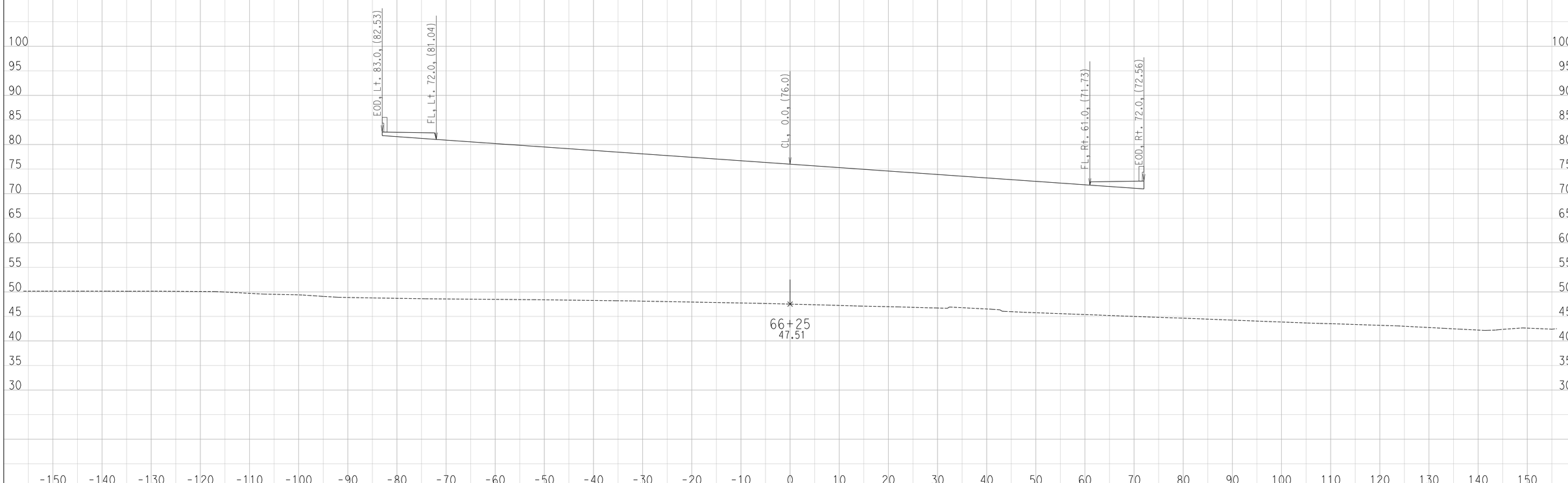
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

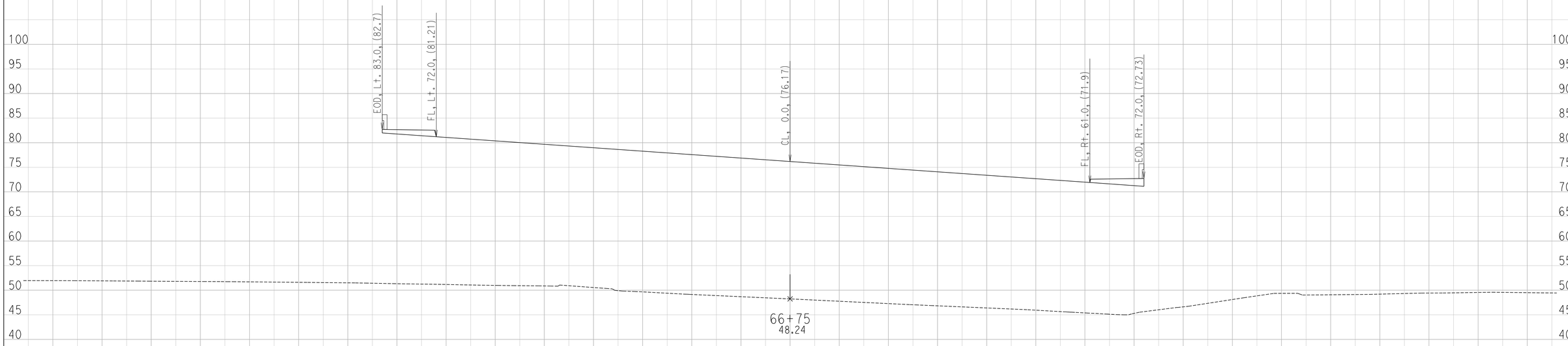
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

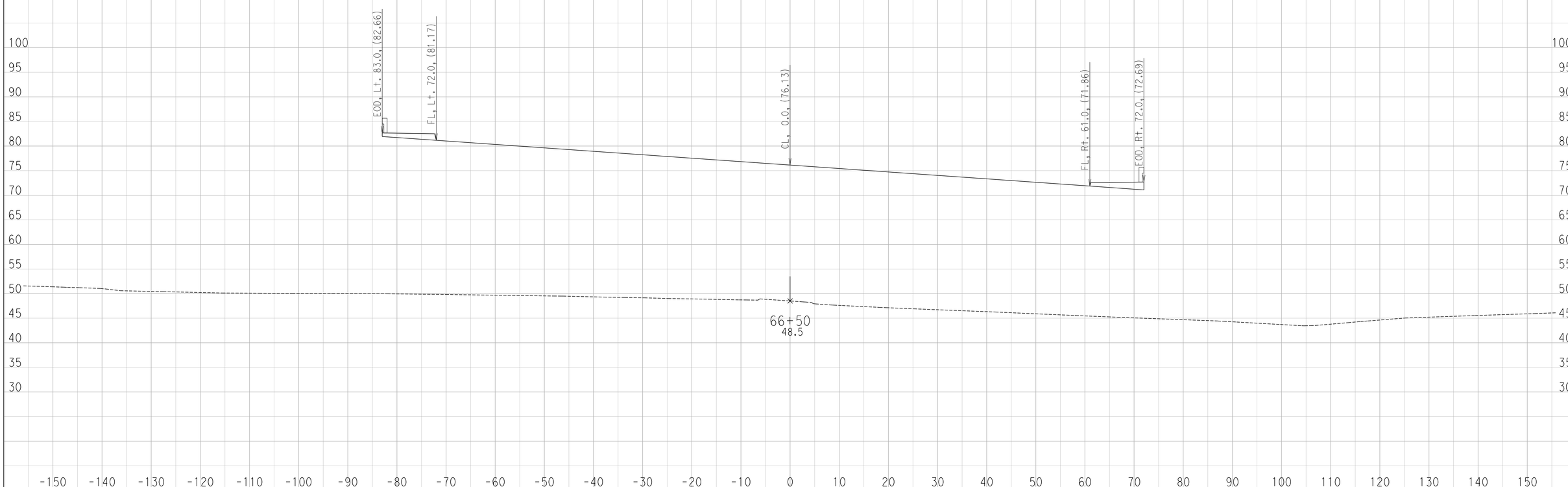
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/29/2016

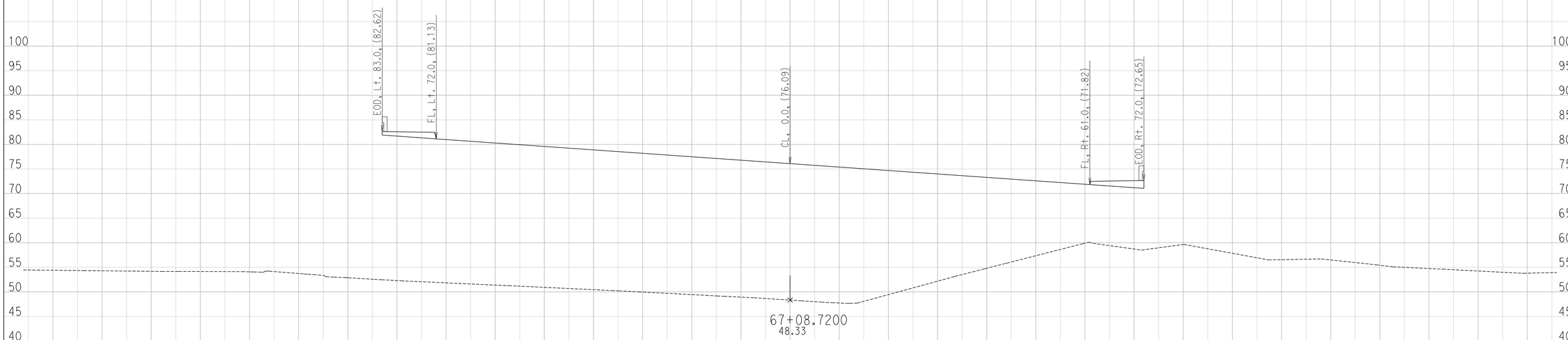
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

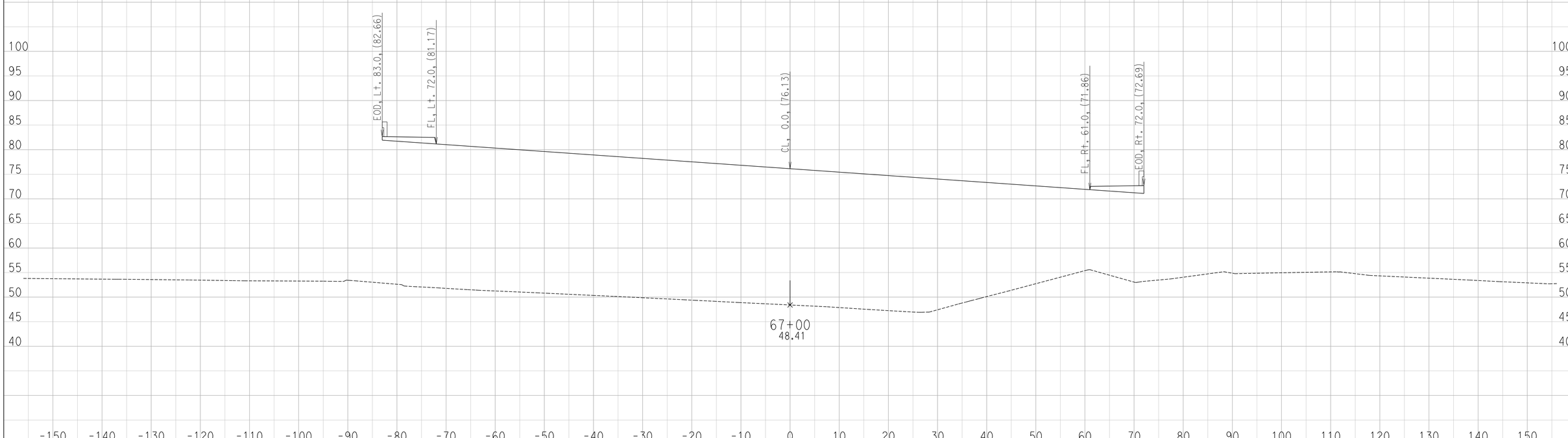
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 70 OF 130

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/29/2016

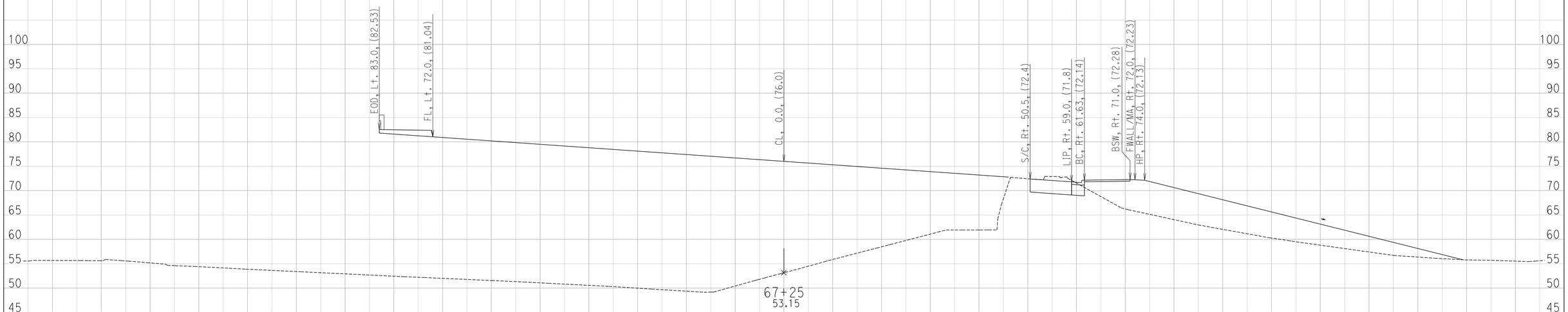
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

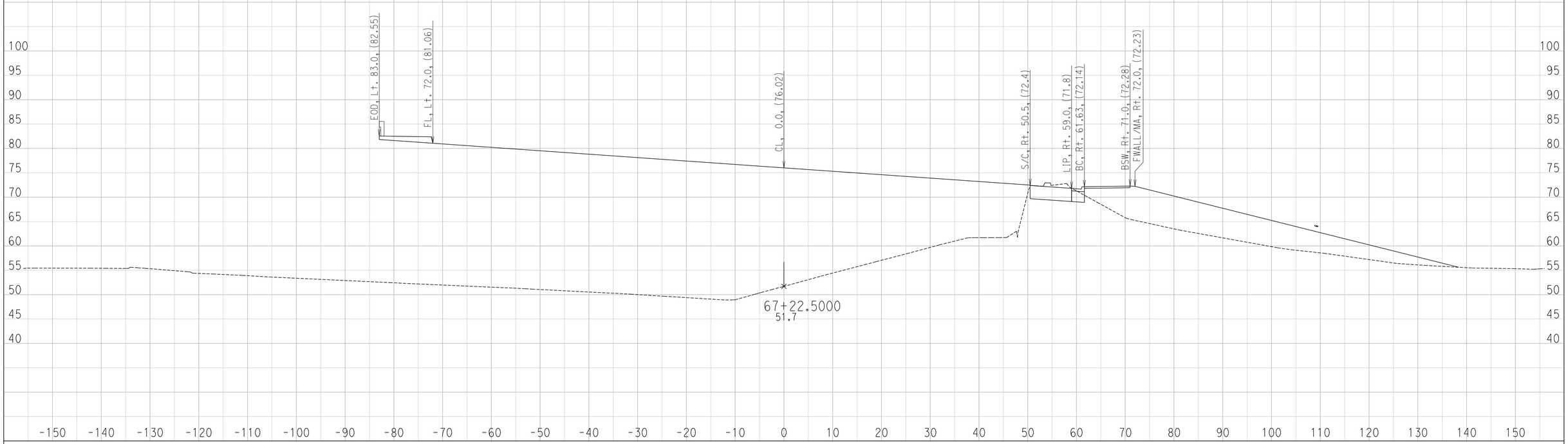
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/29/2016

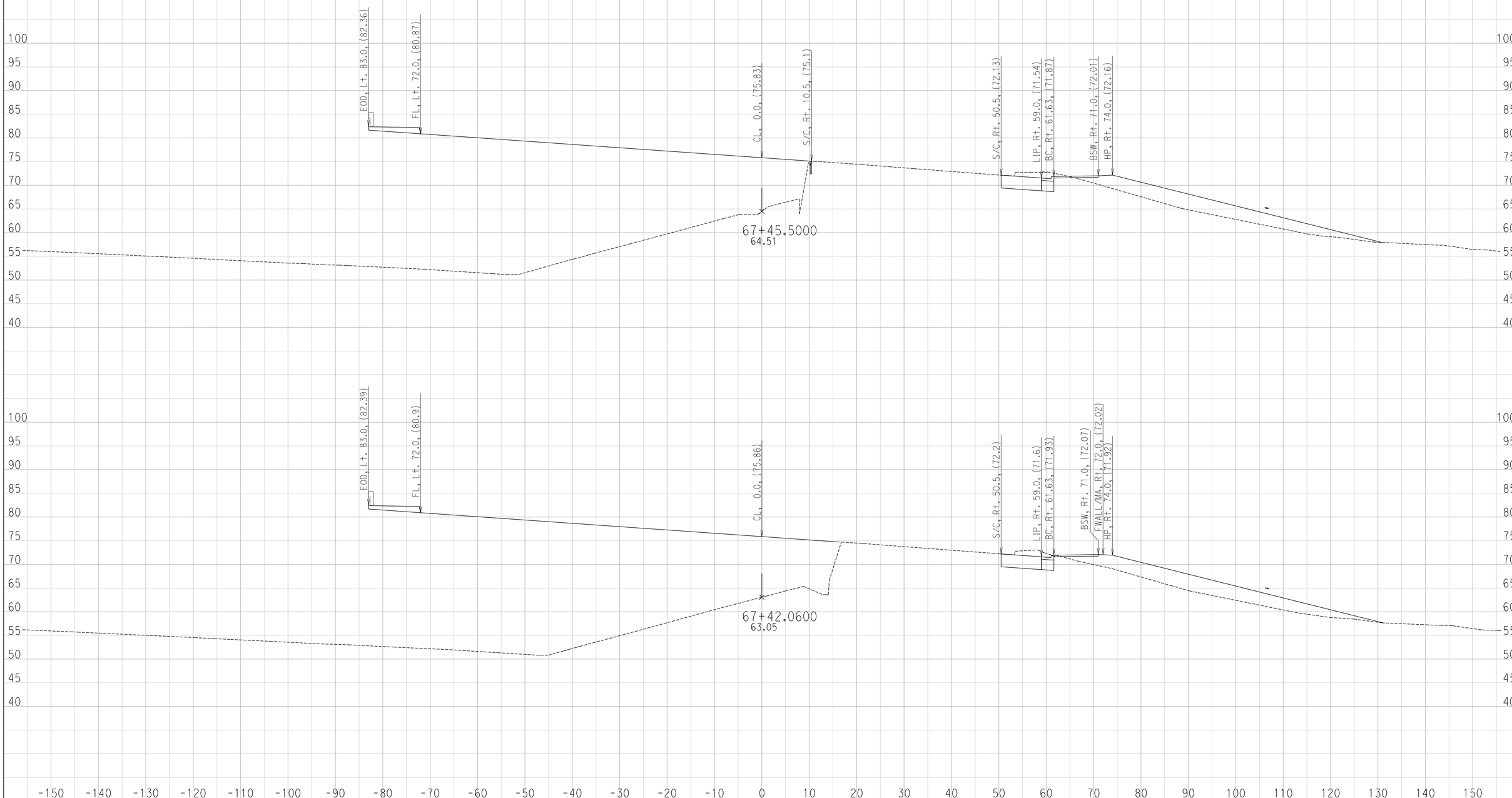
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

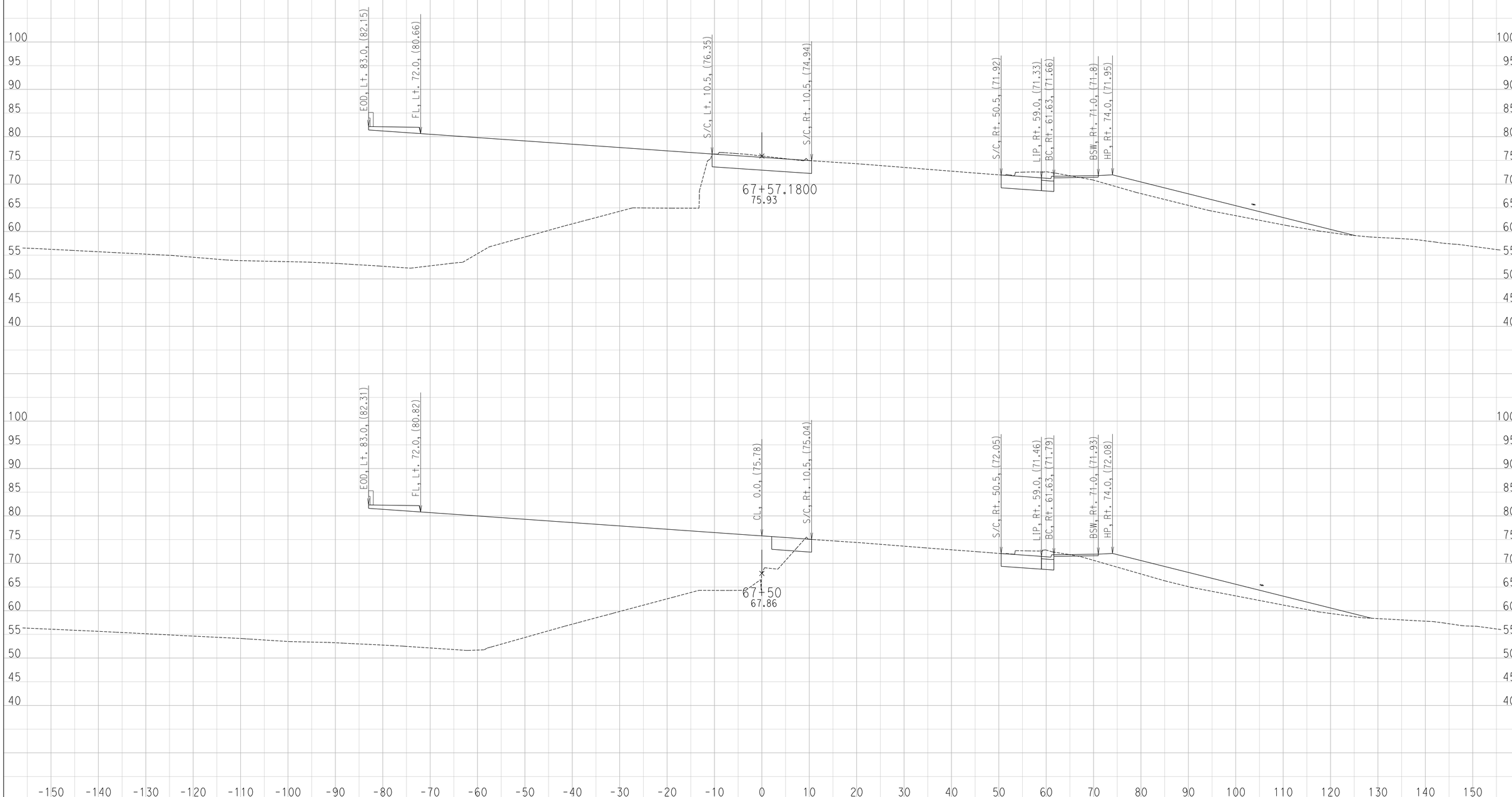
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 73 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

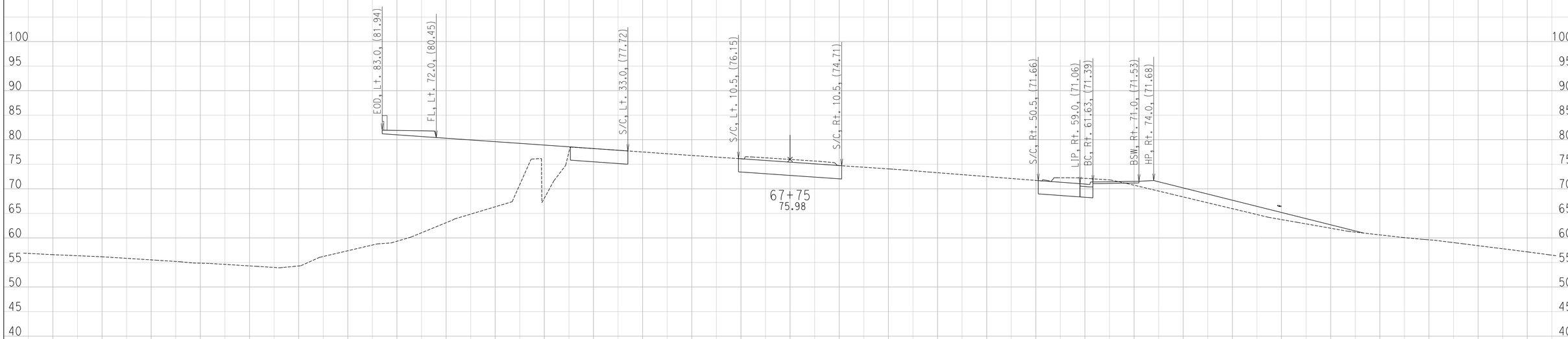
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

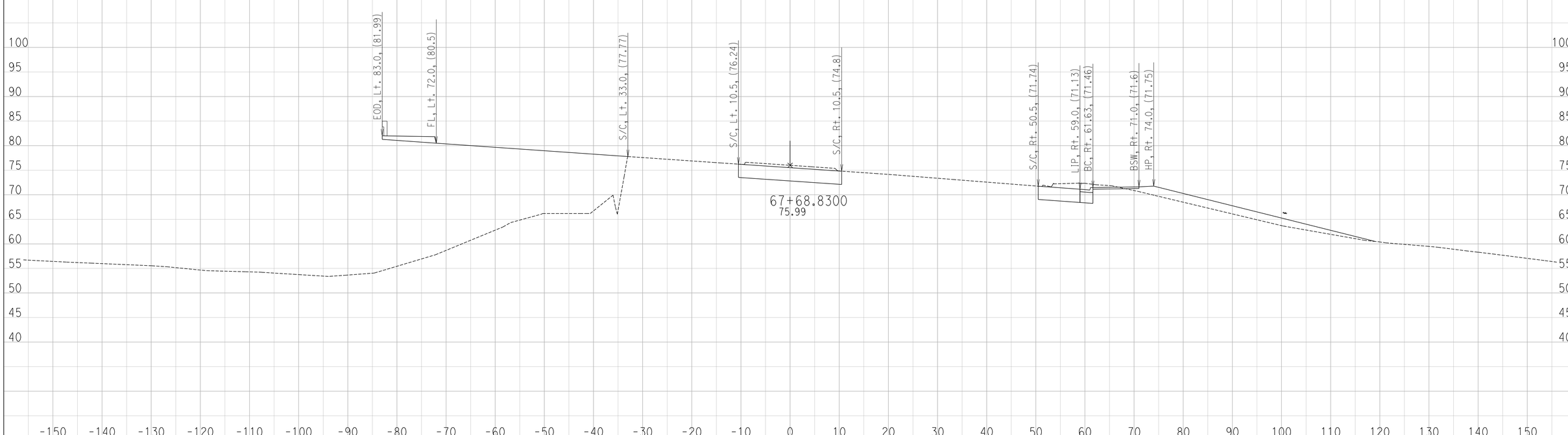
SCALE: 1" = 10' Horiz.
1" = 10' Vert.

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY





CREATED BY: Ryan S.
DATE: 6/29/2016

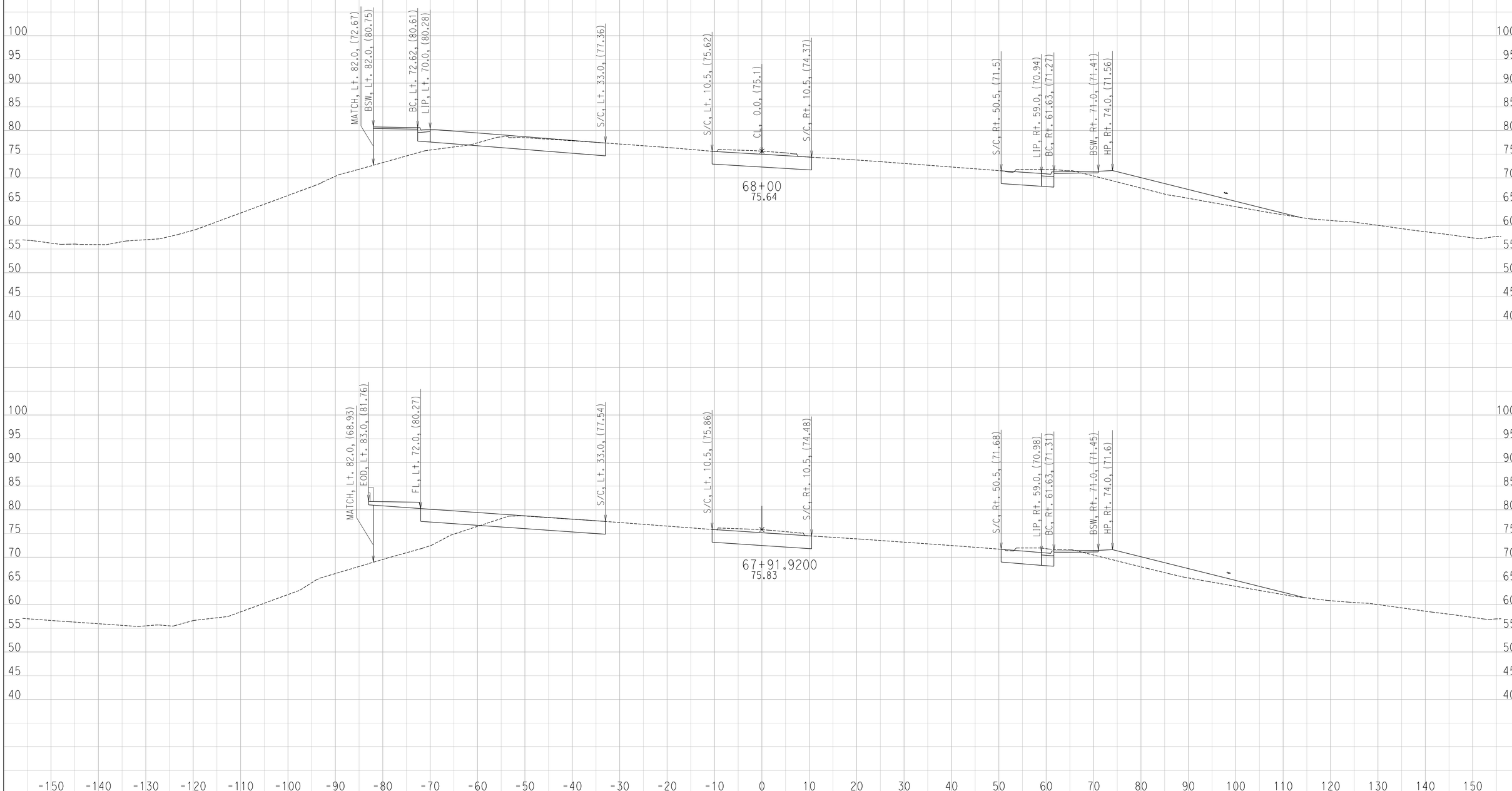
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

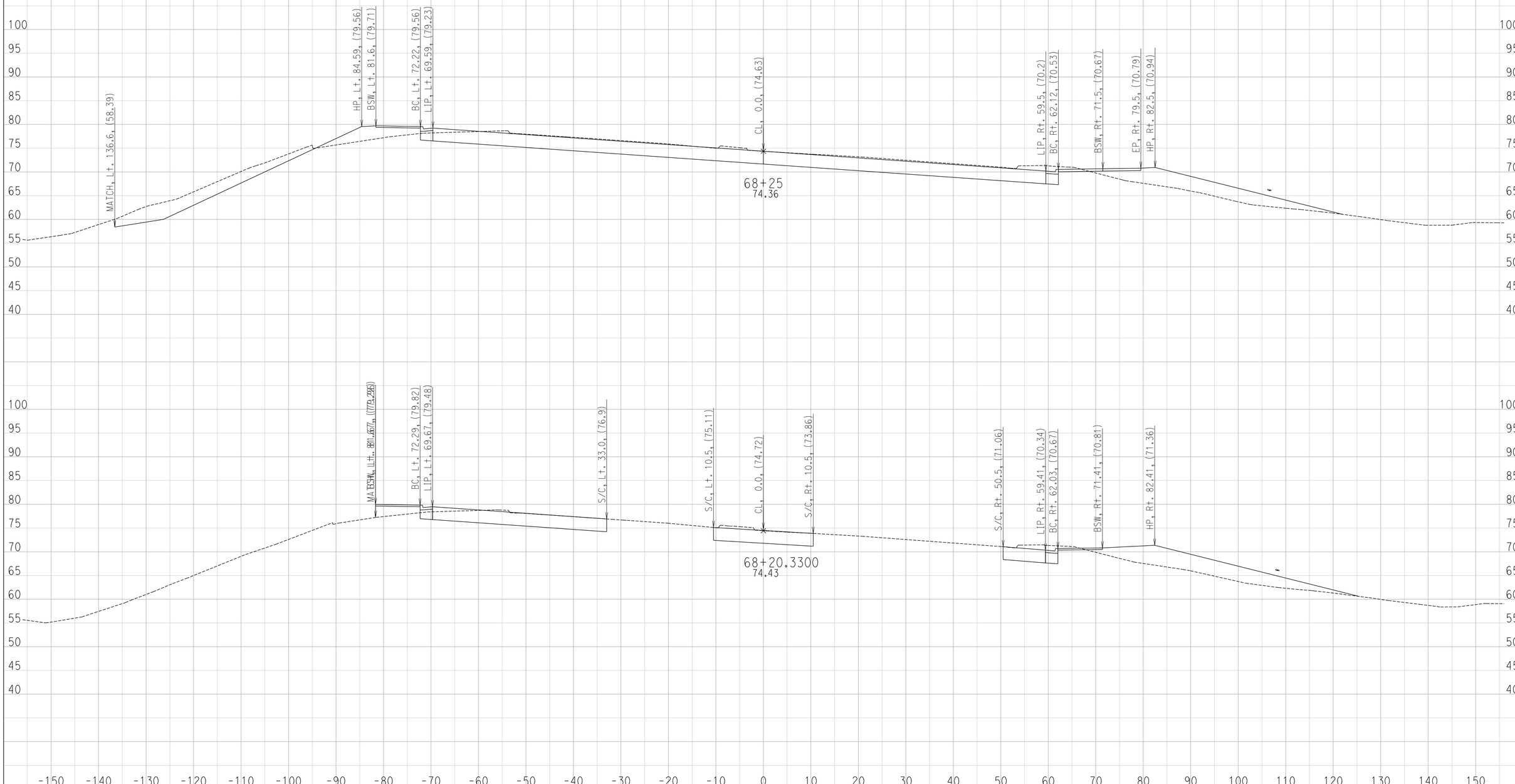
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

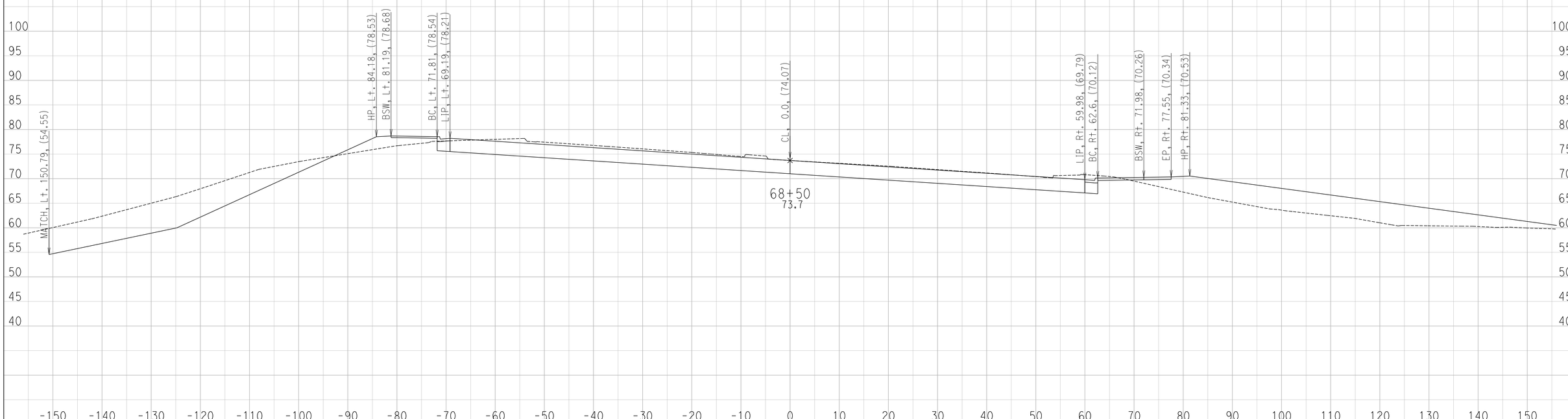
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

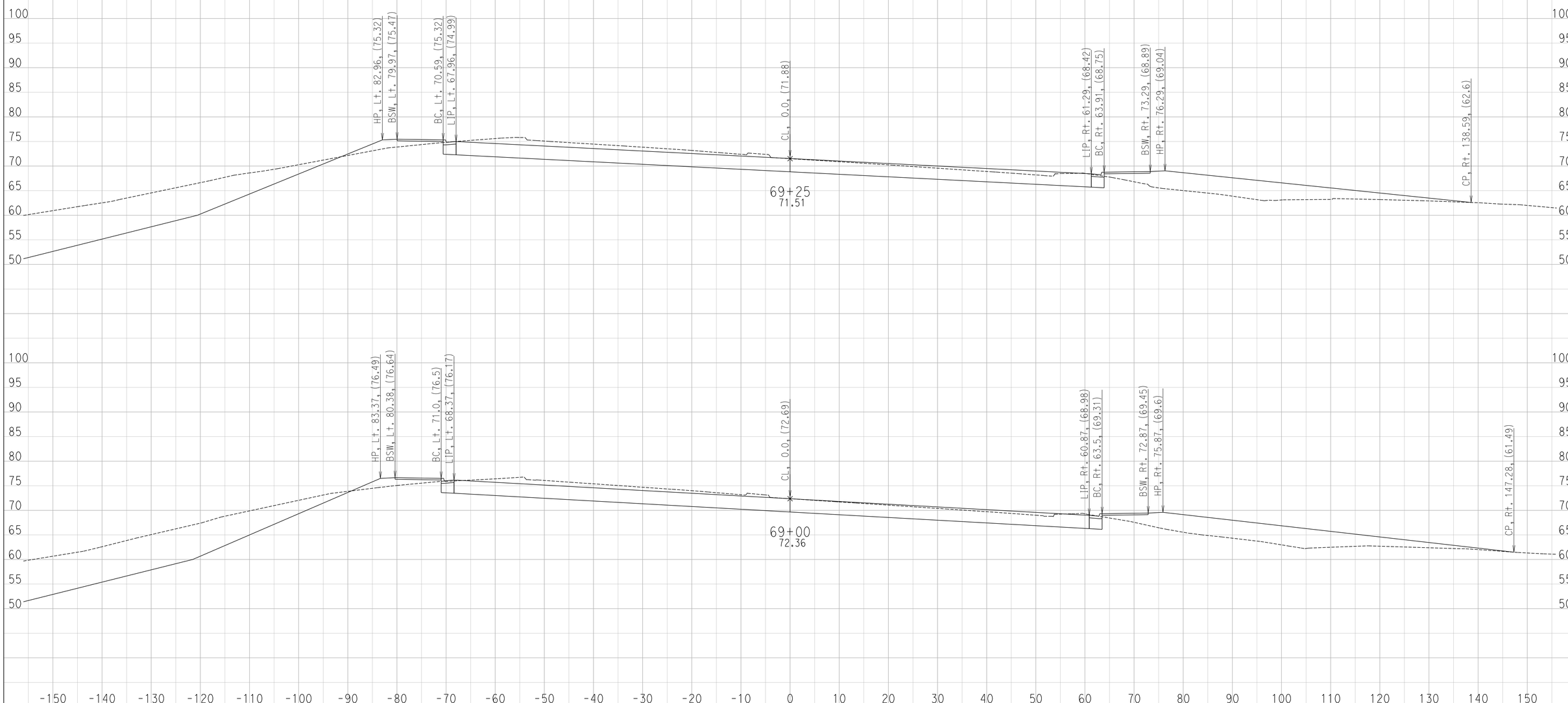
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

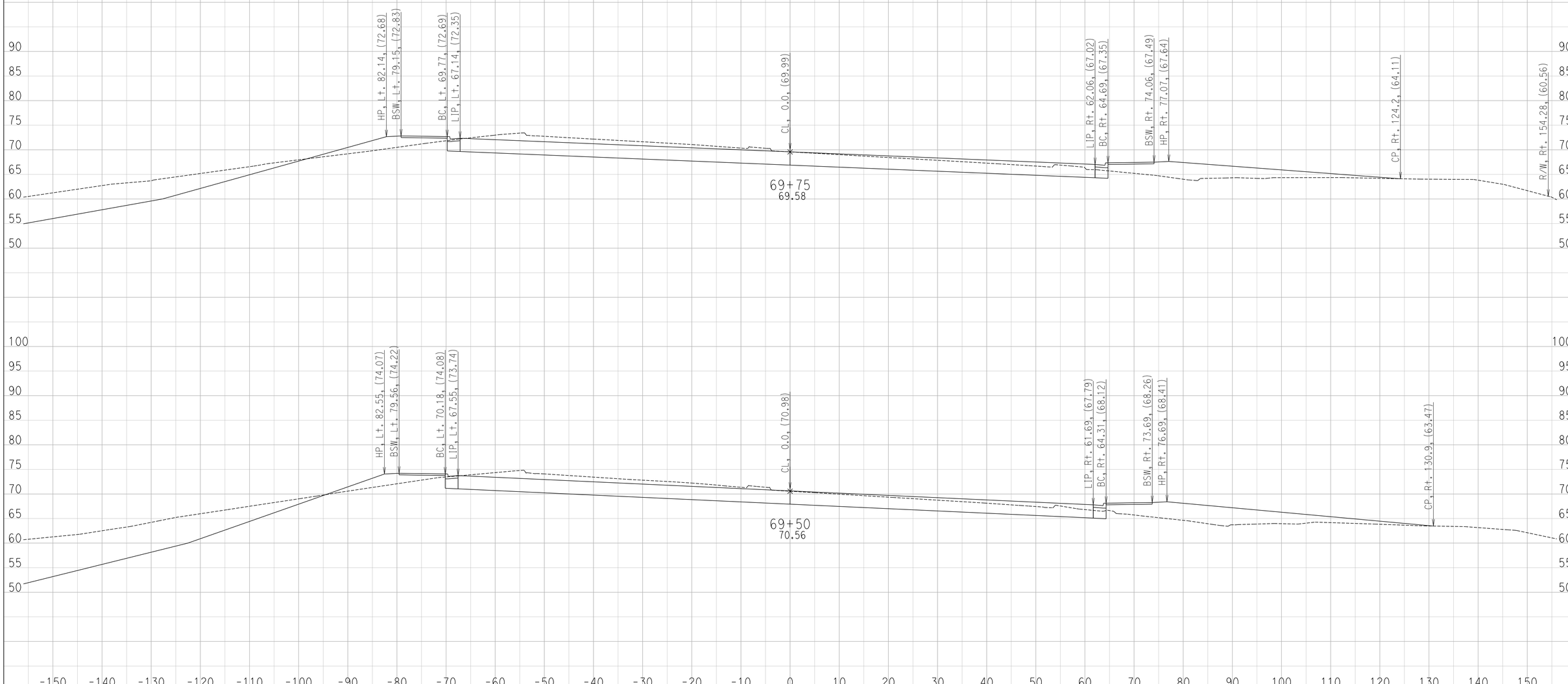
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

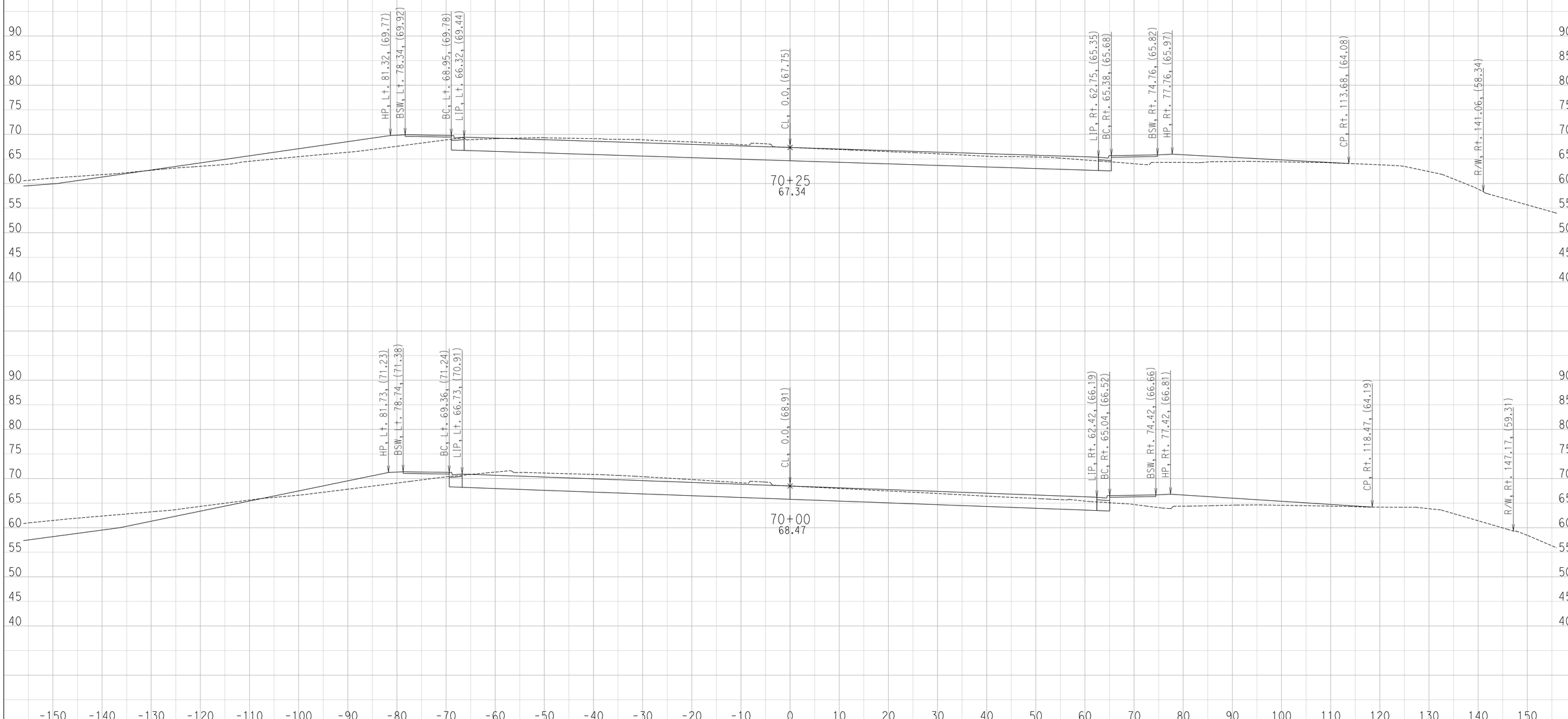
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

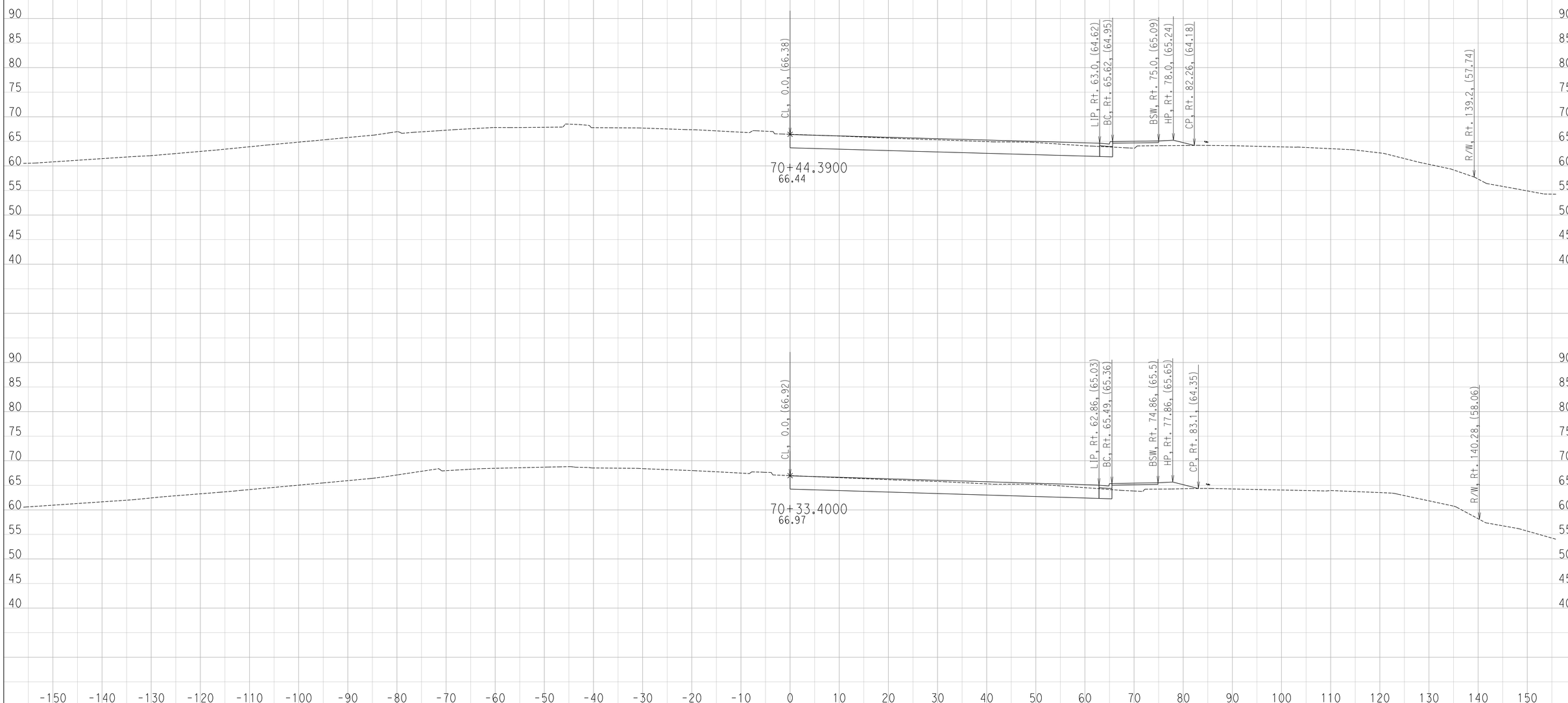
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

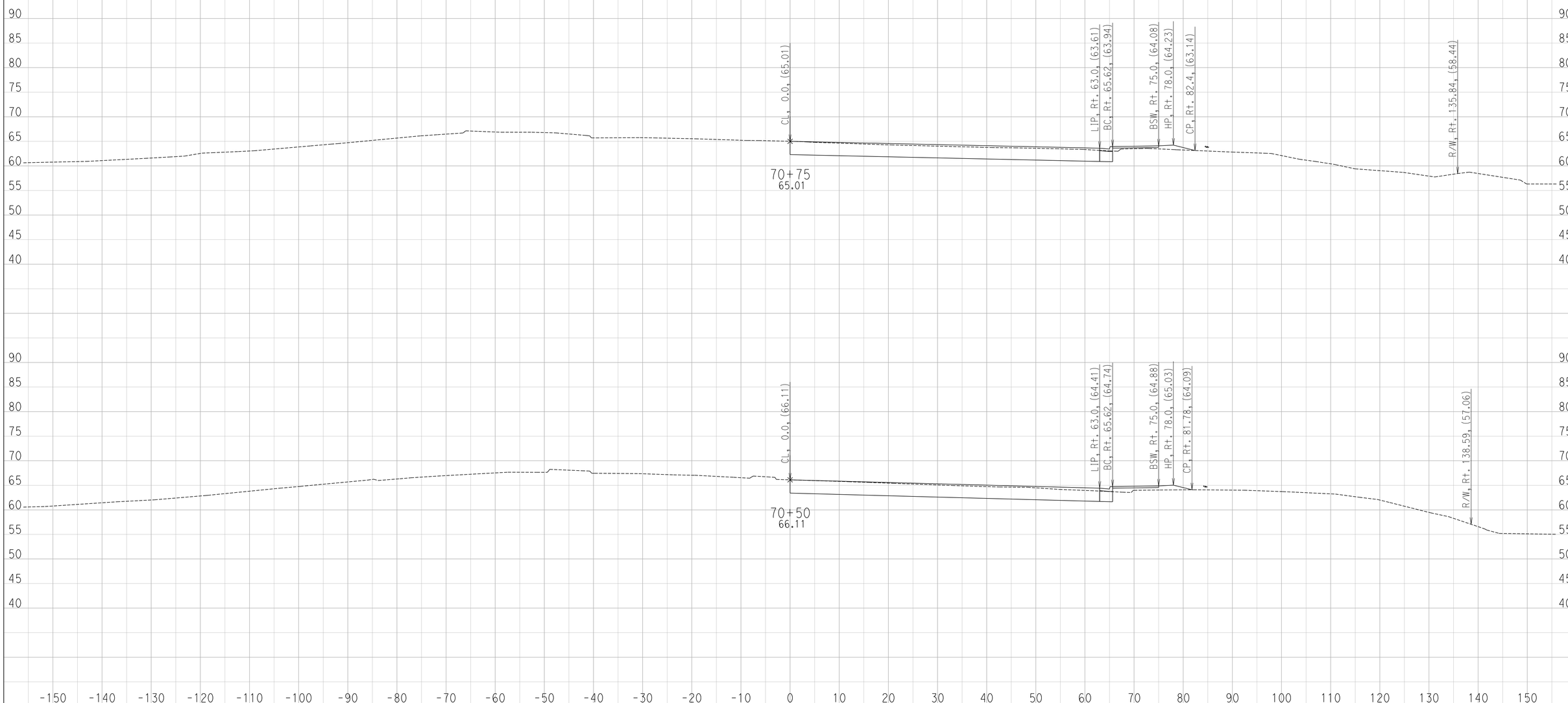
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

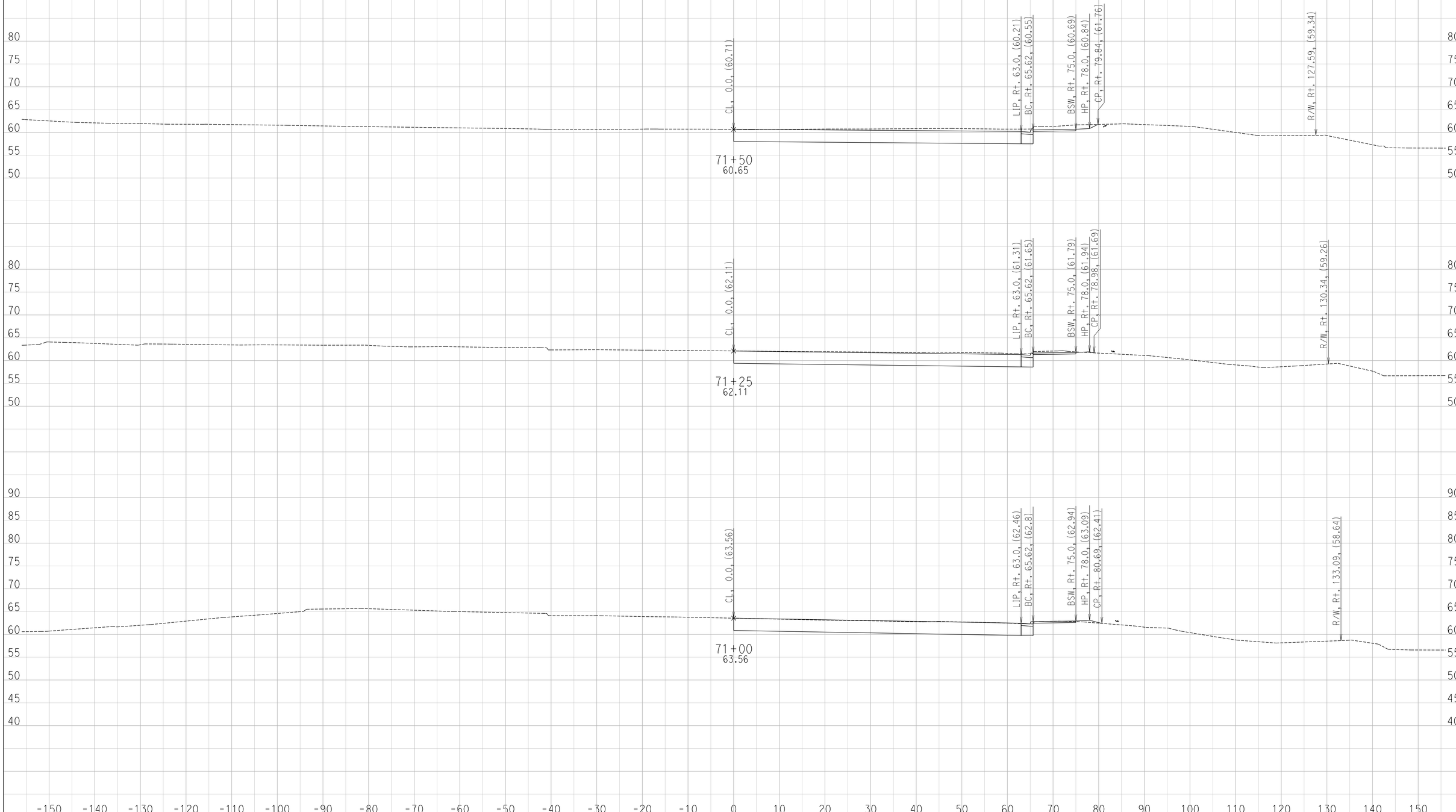
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

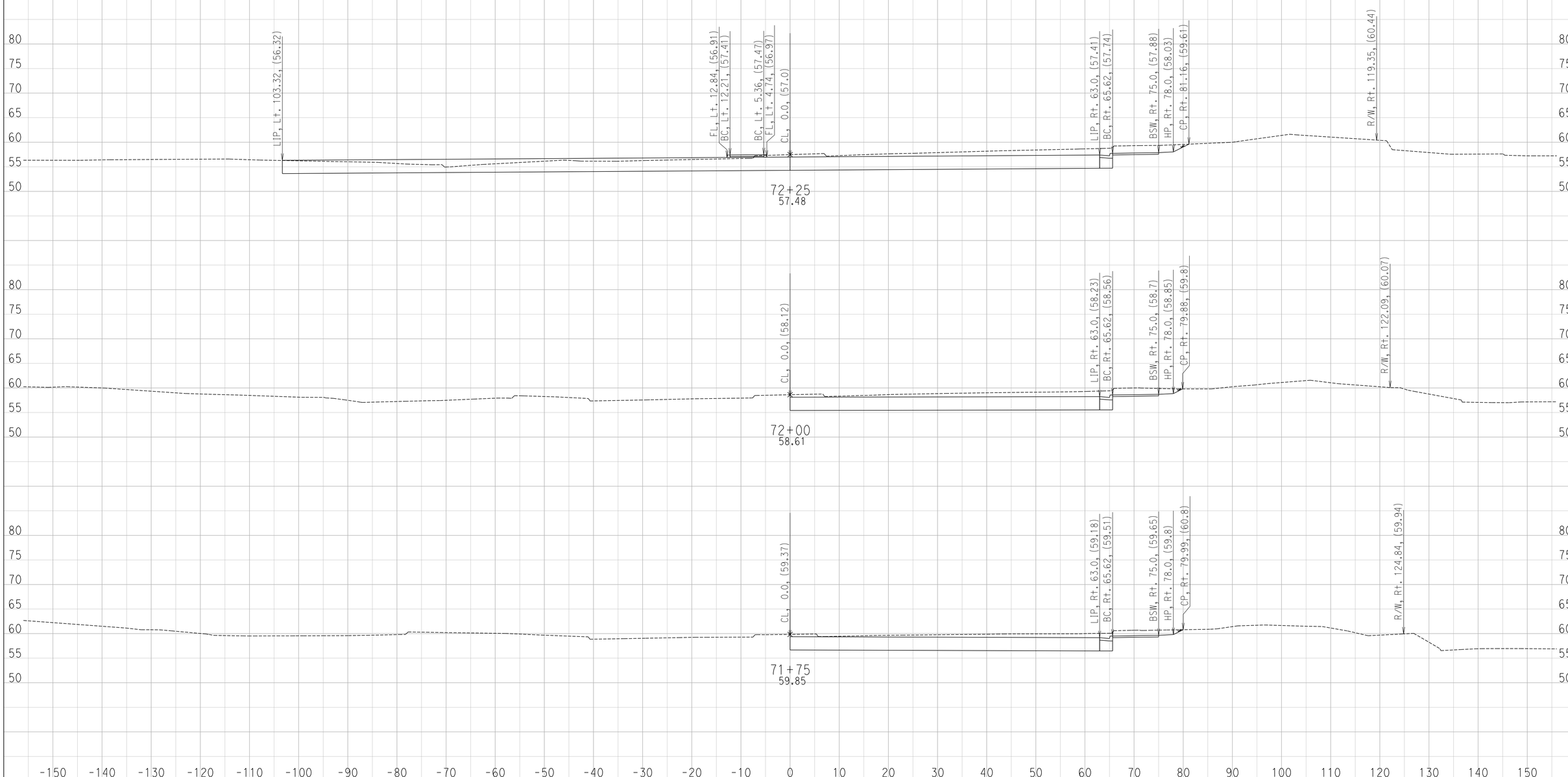
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

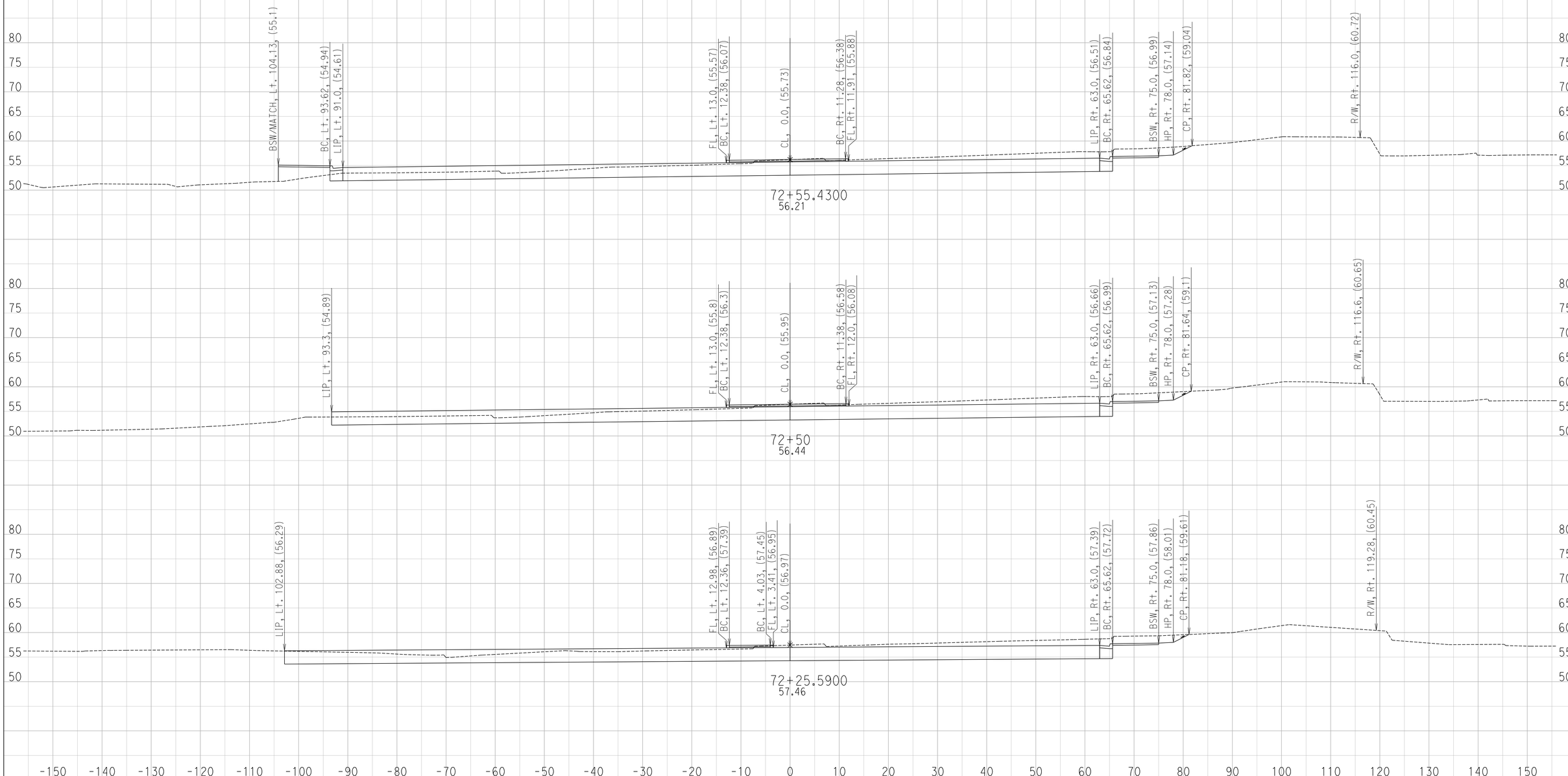
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 85 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

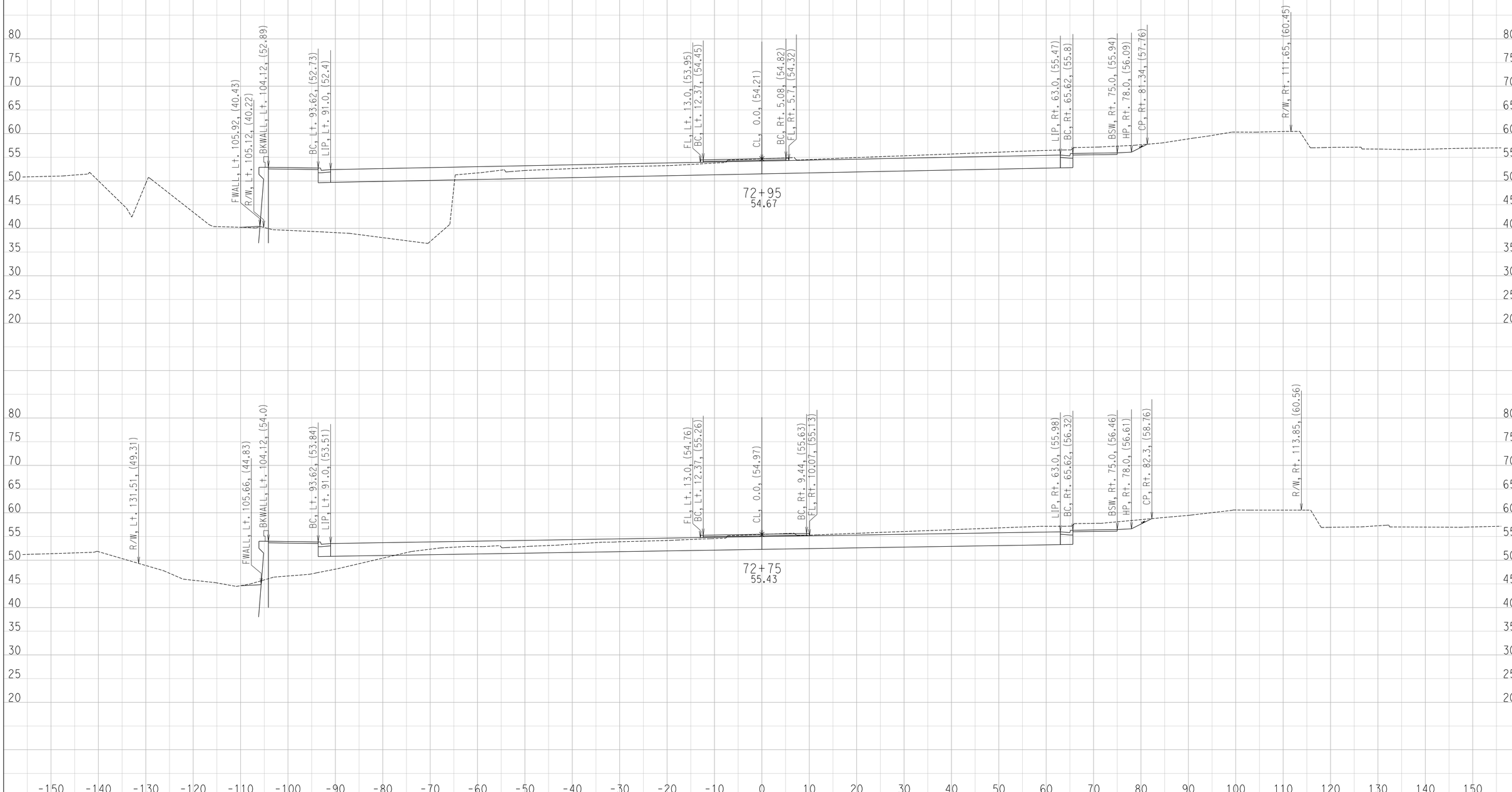
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

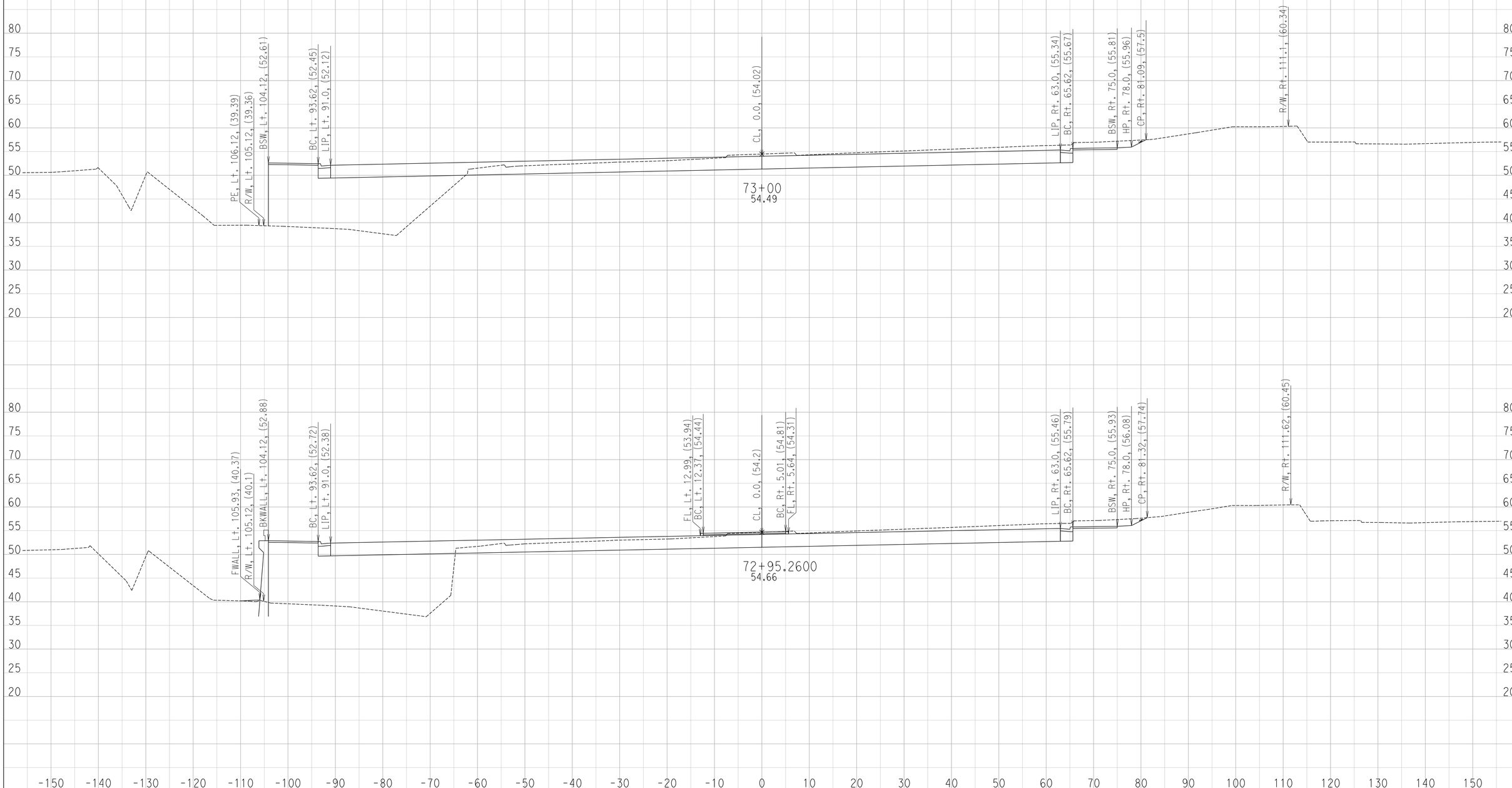
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

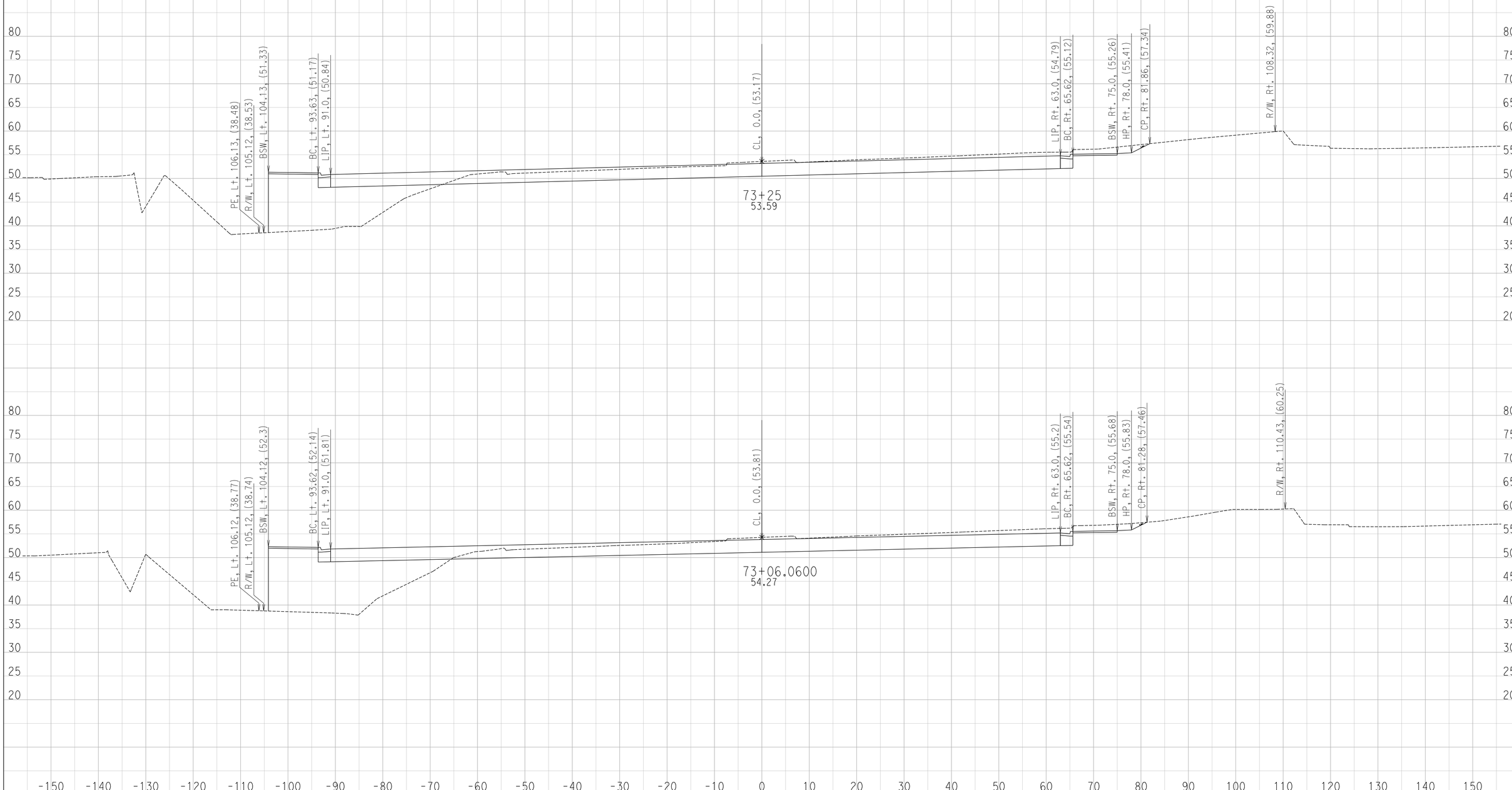
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

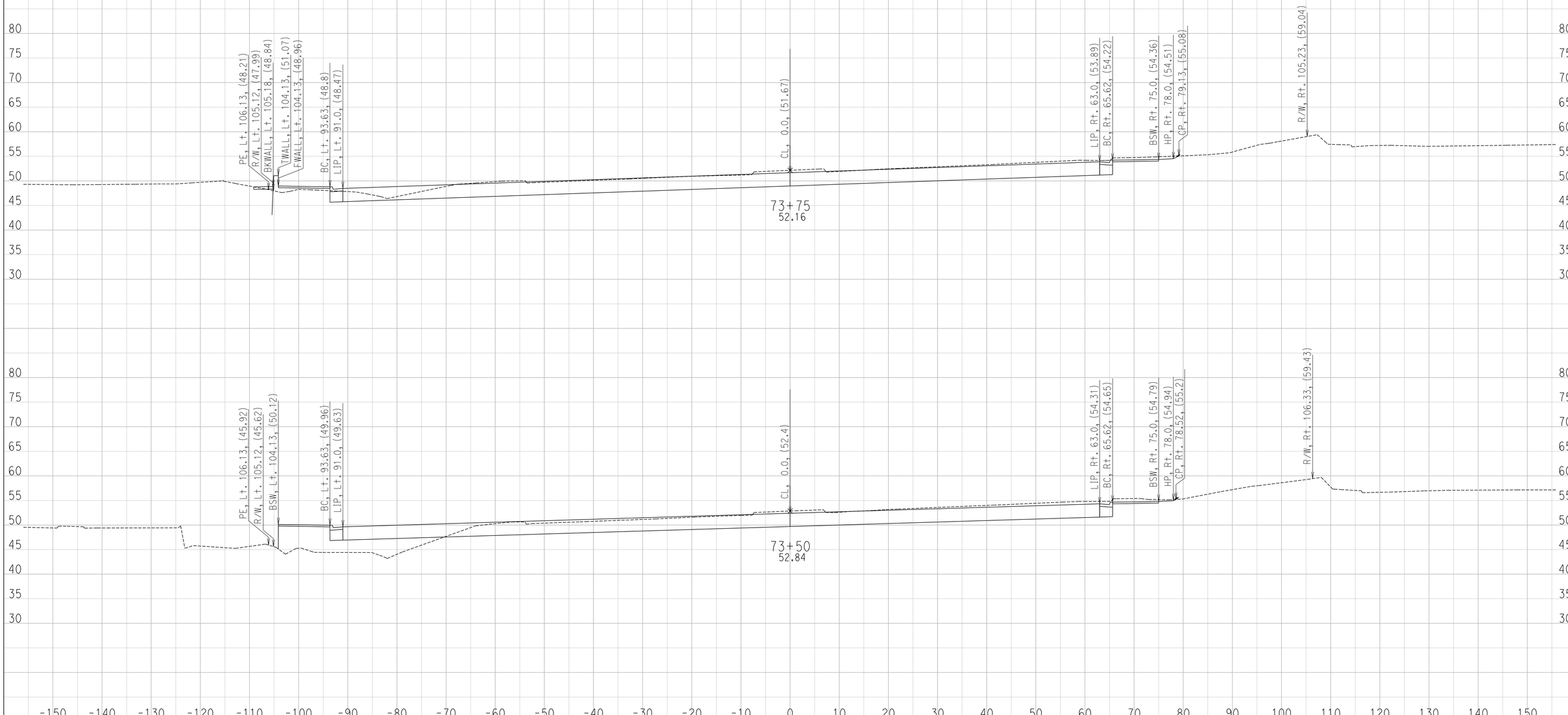
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

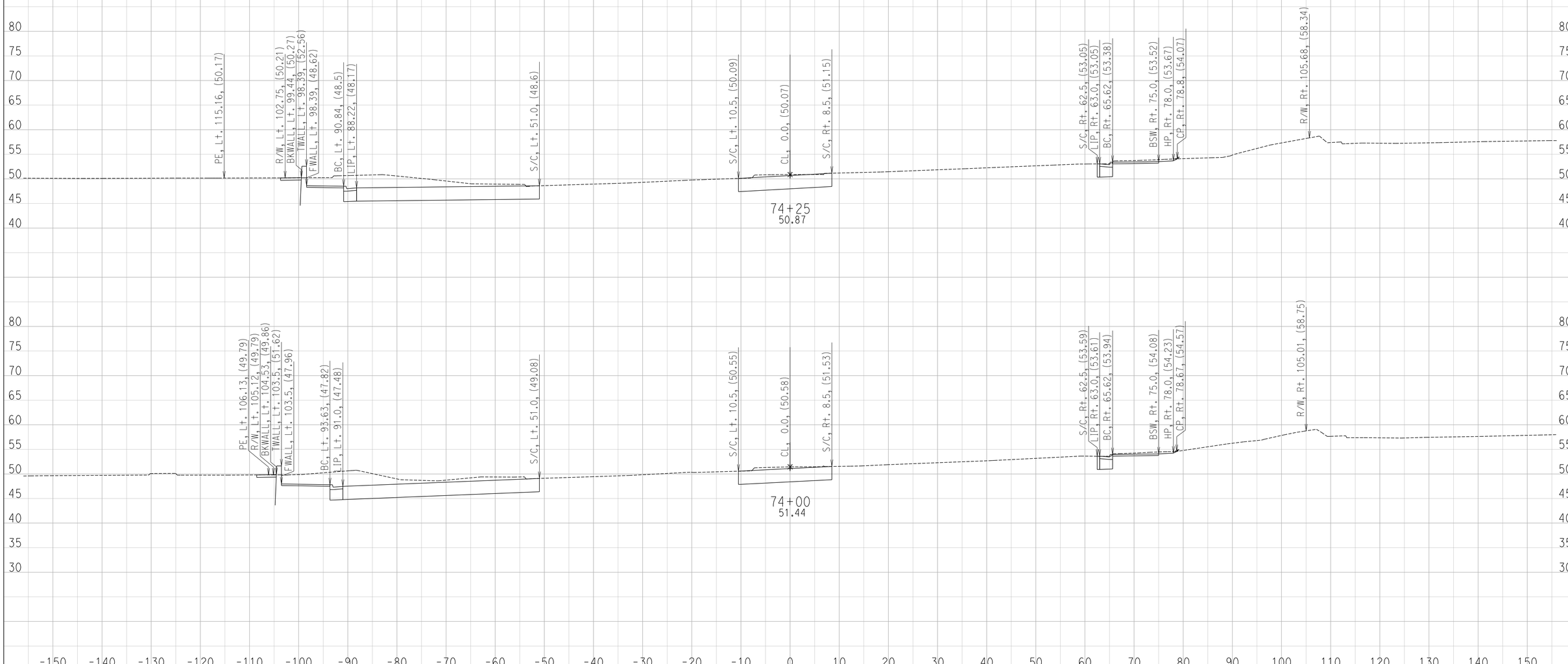
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 90 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

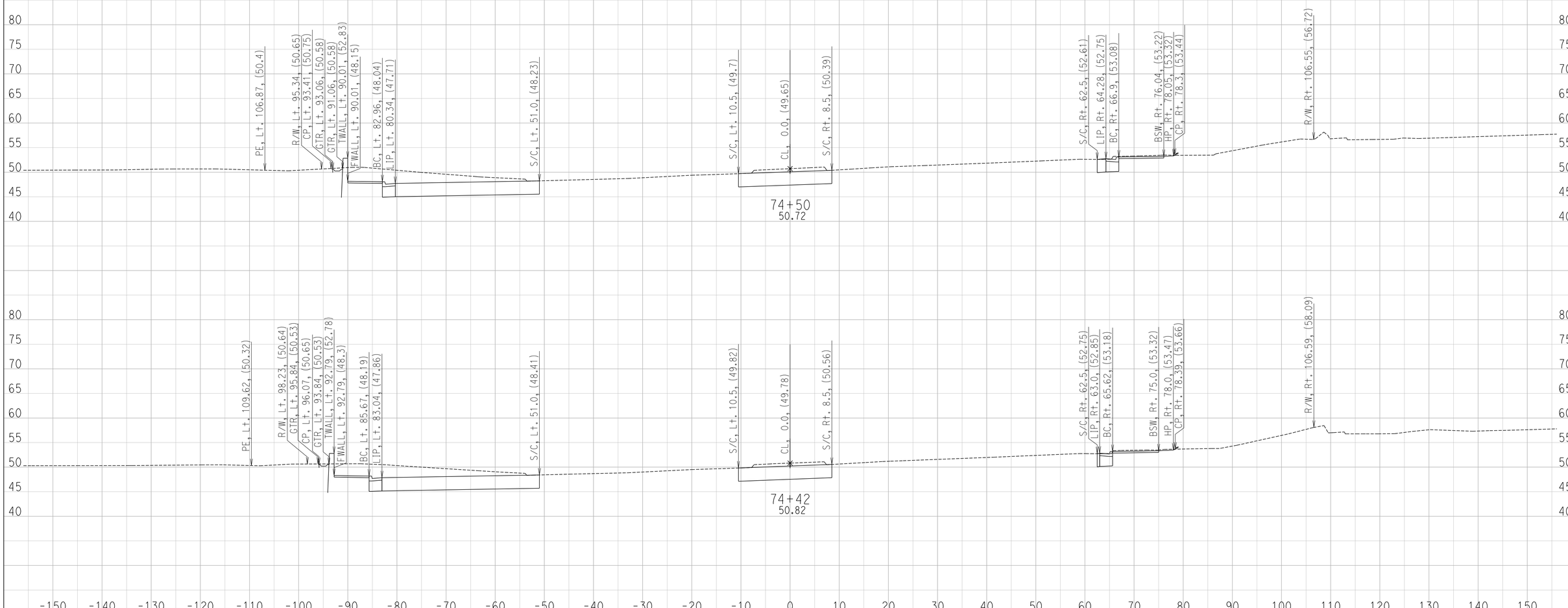
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

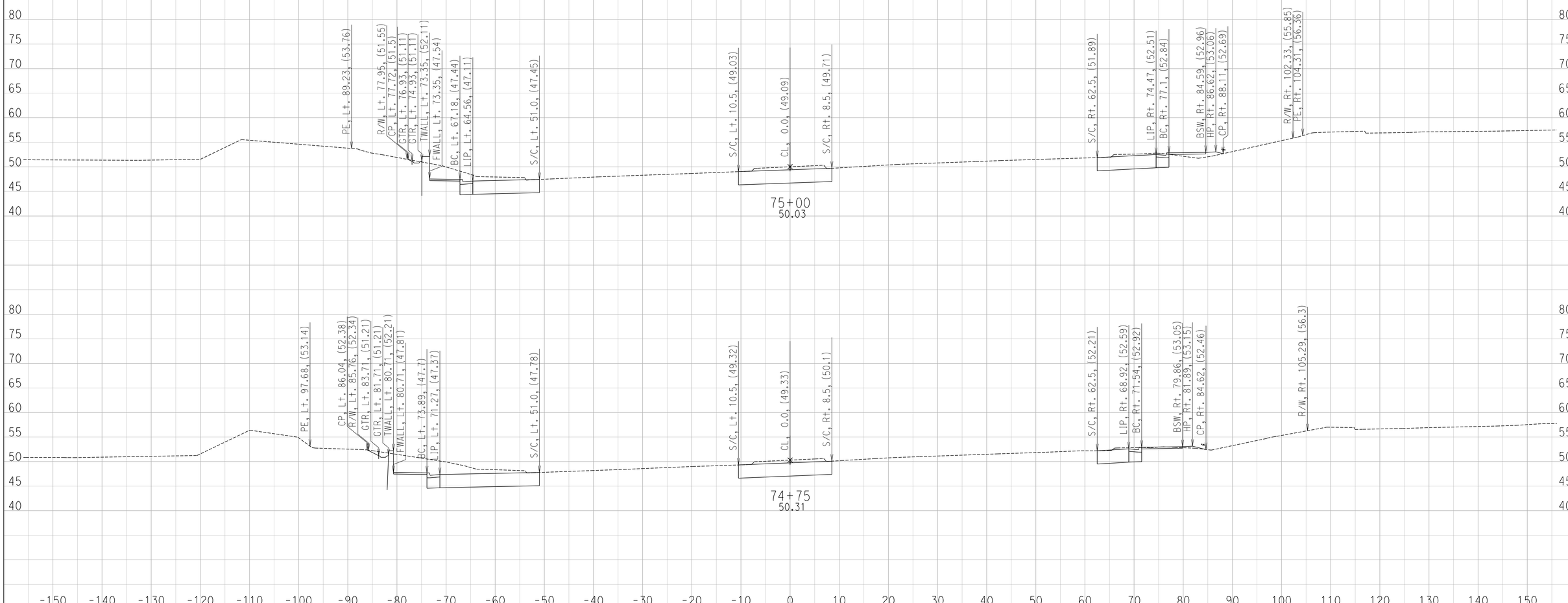
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 92 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

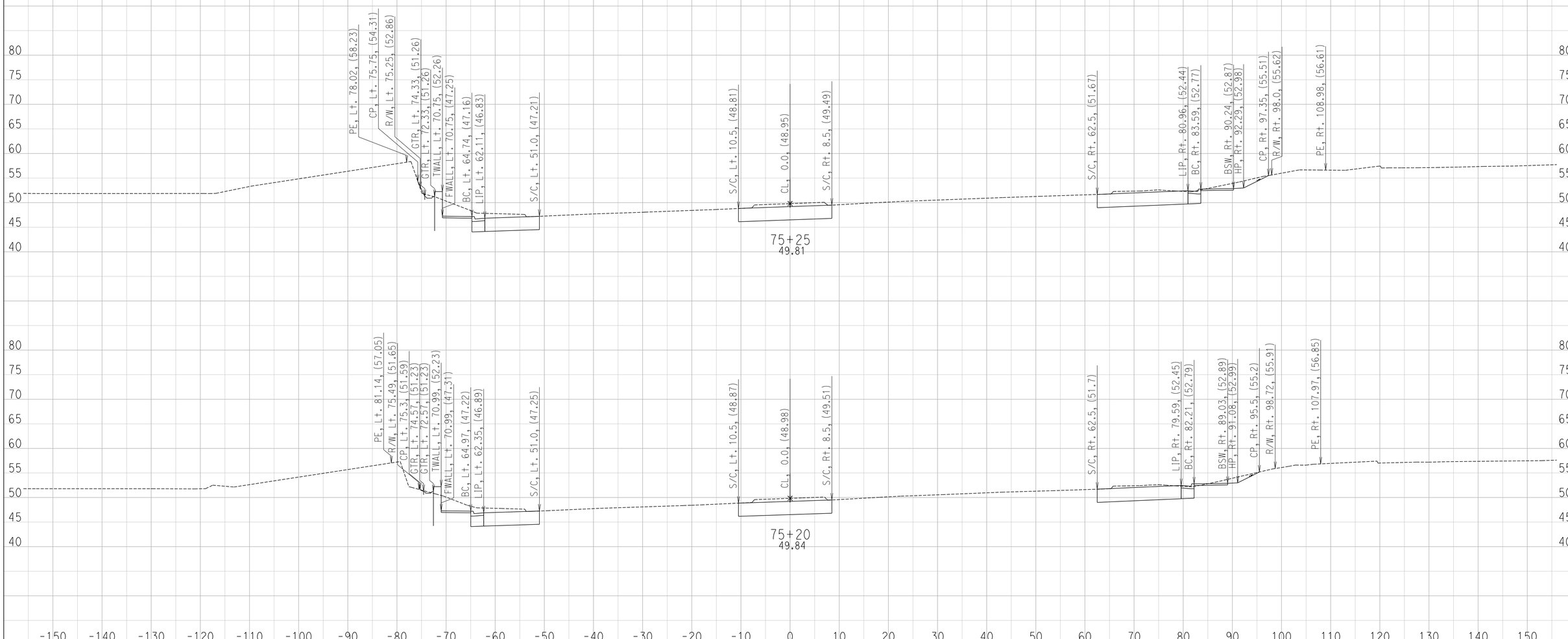
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

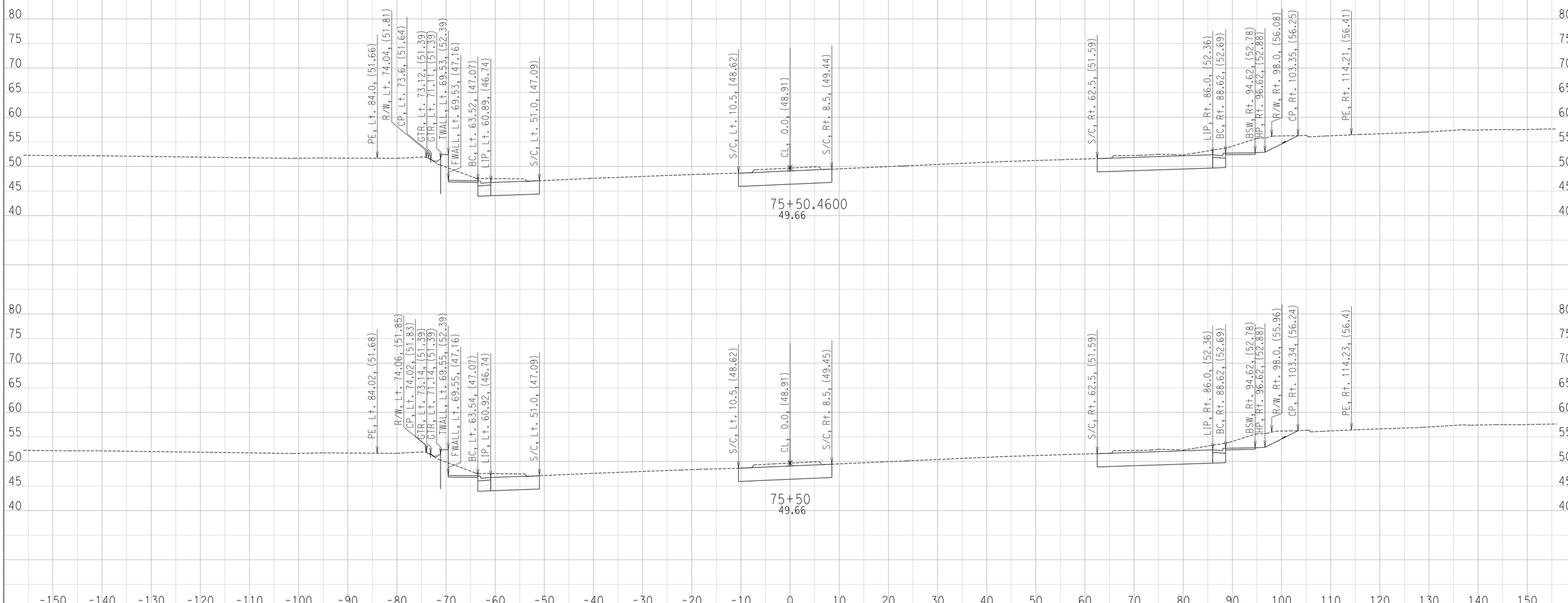
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 94 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

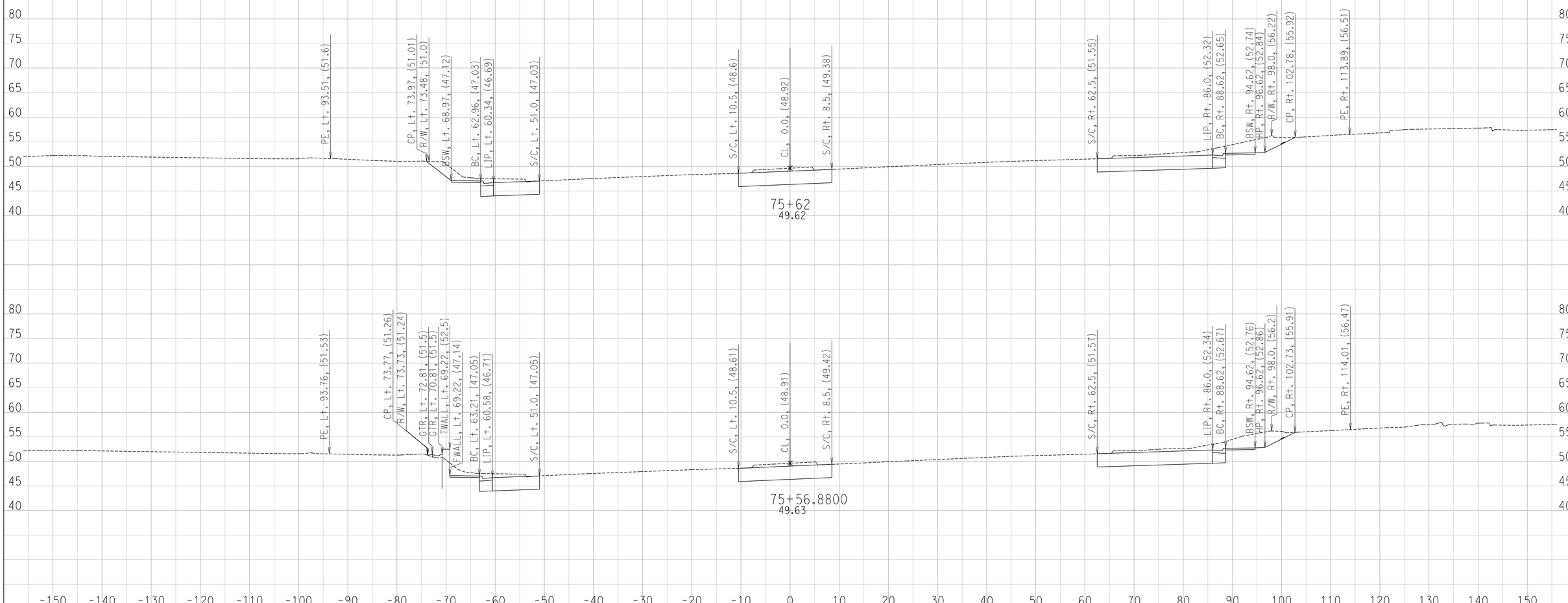
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 95 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

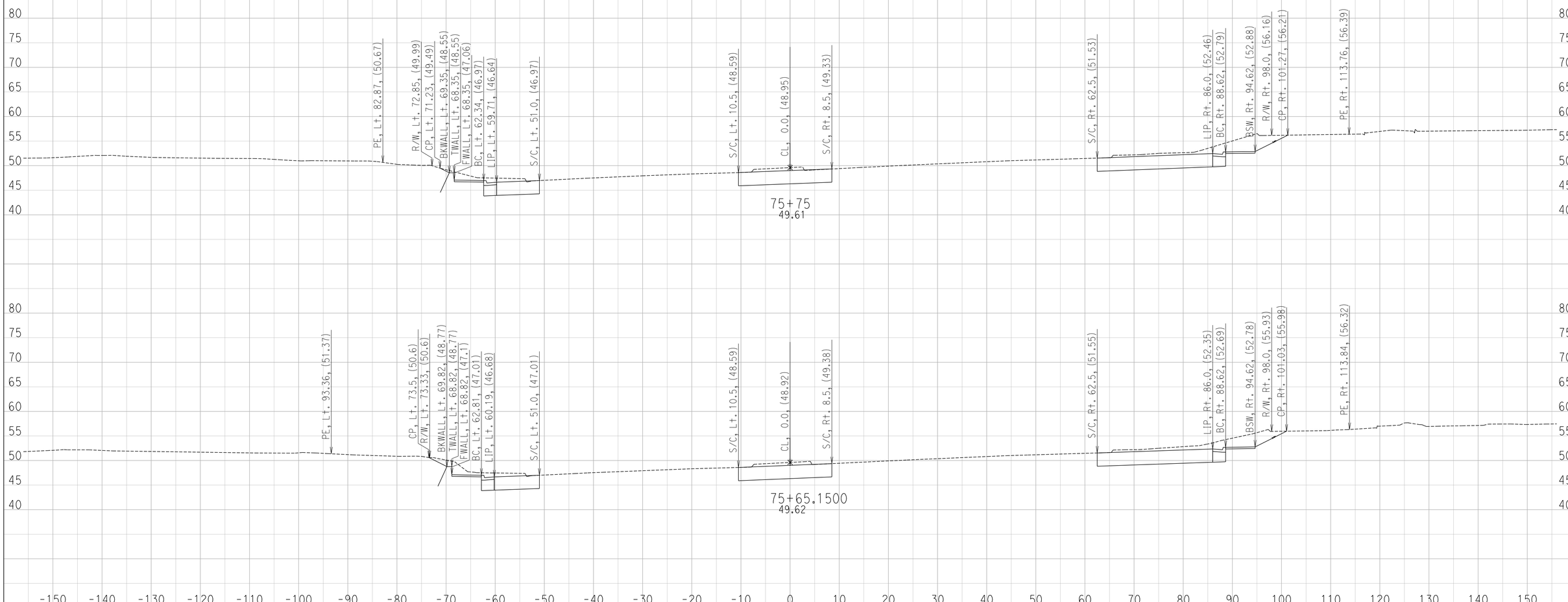
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 96 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

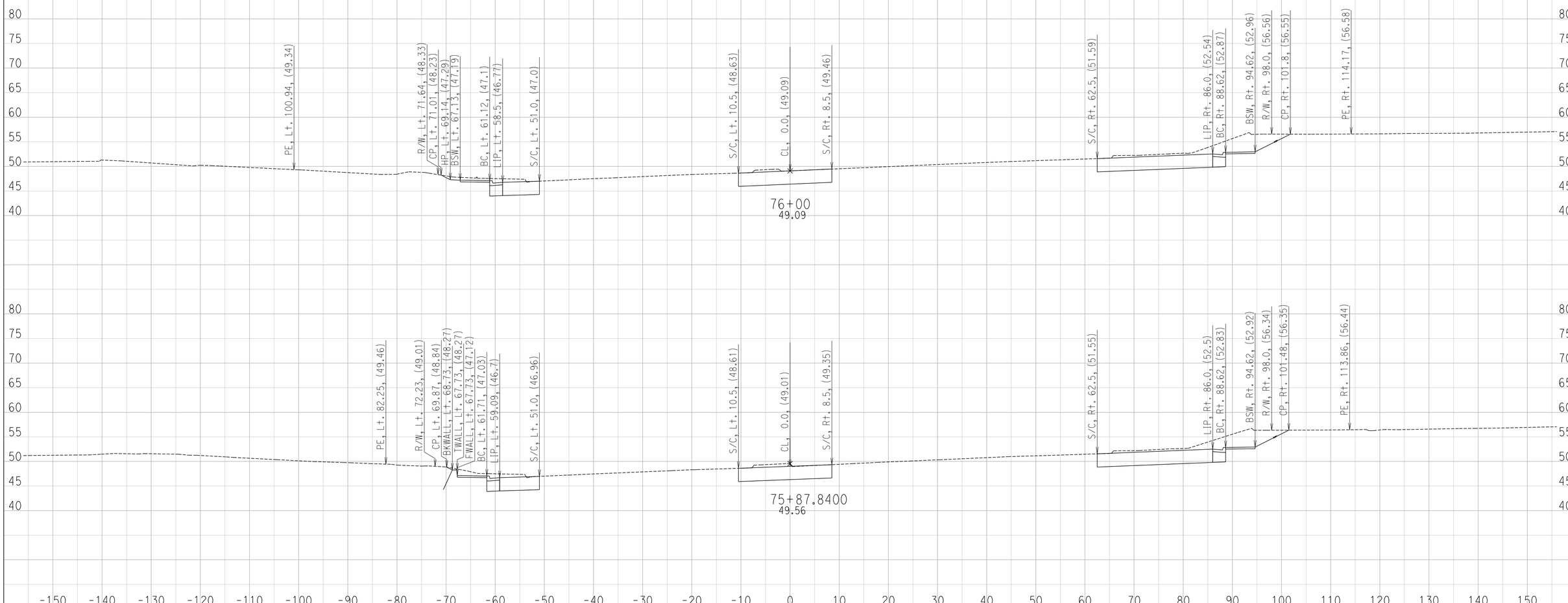
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 97 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

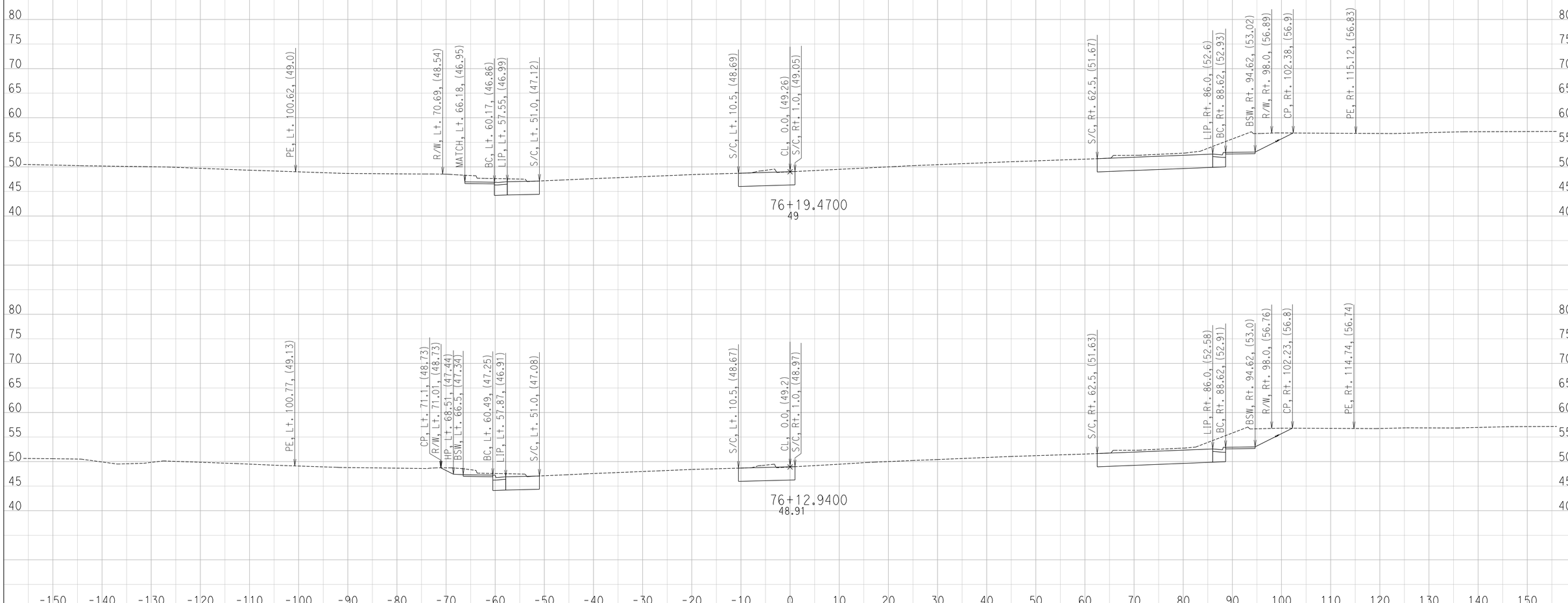
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

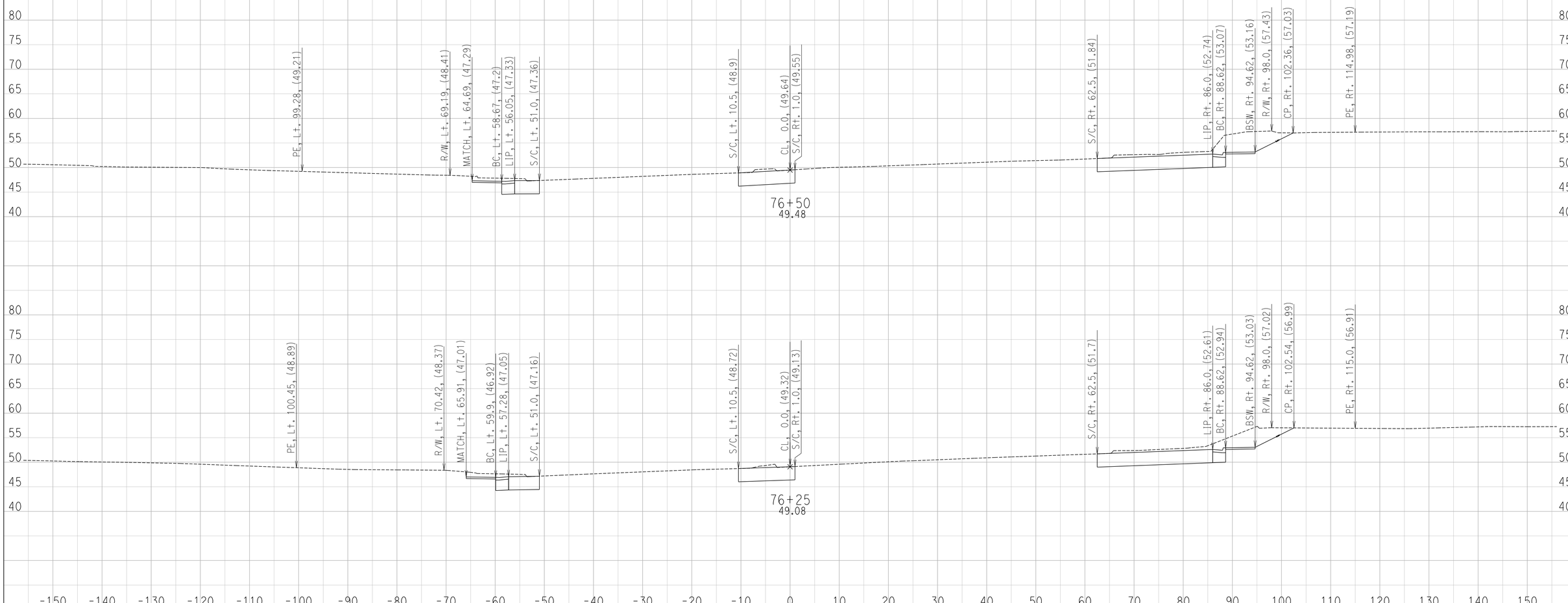
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

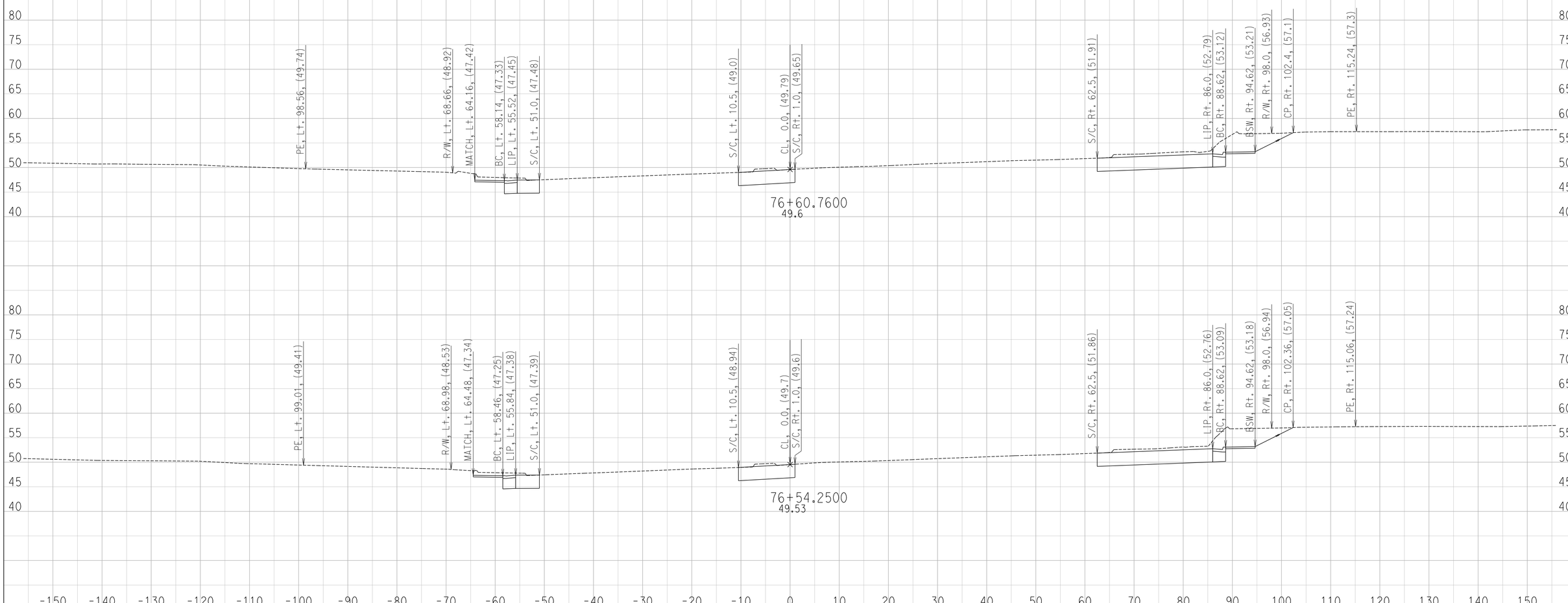
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 100 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

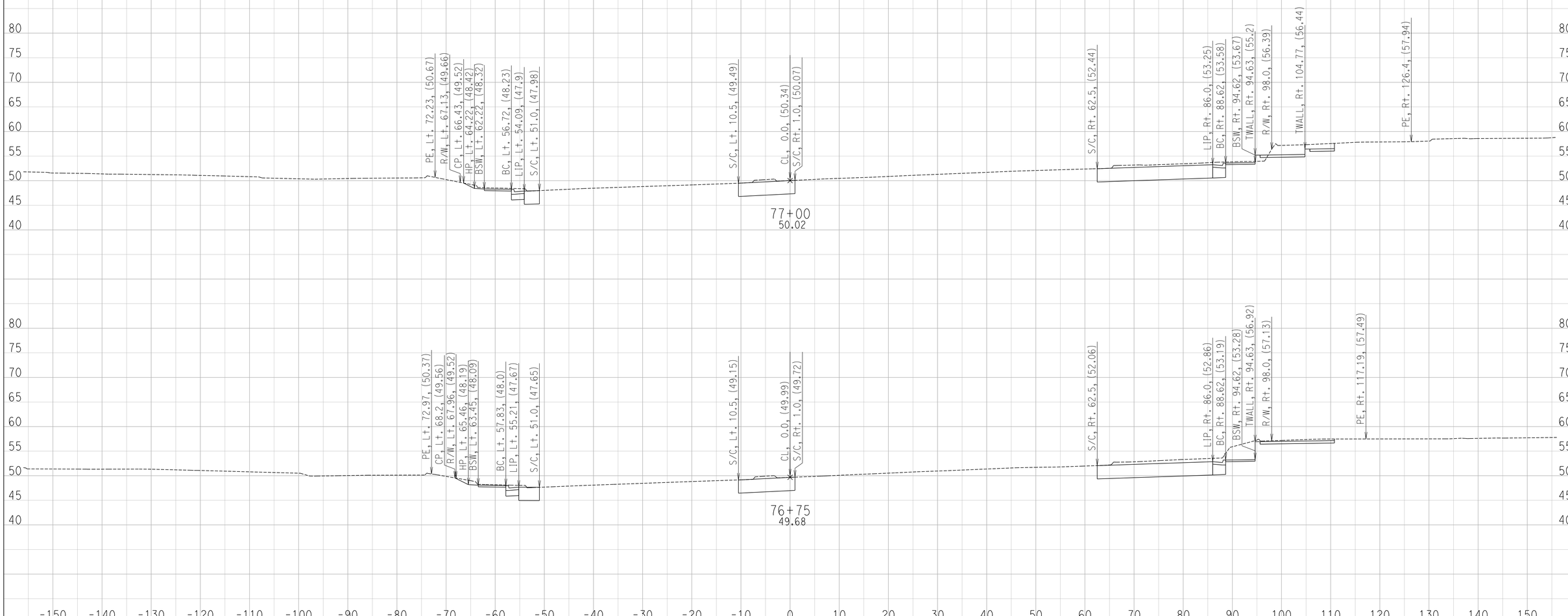
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 101 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

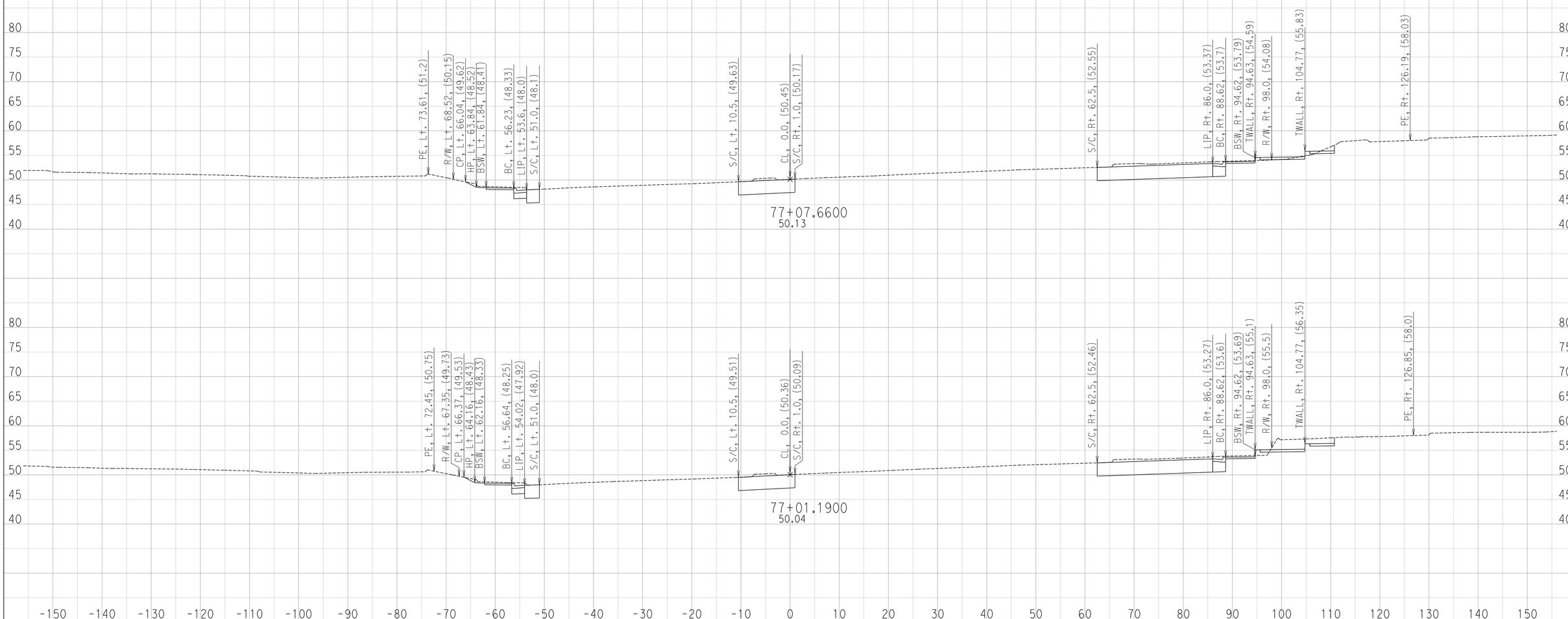
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 102 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

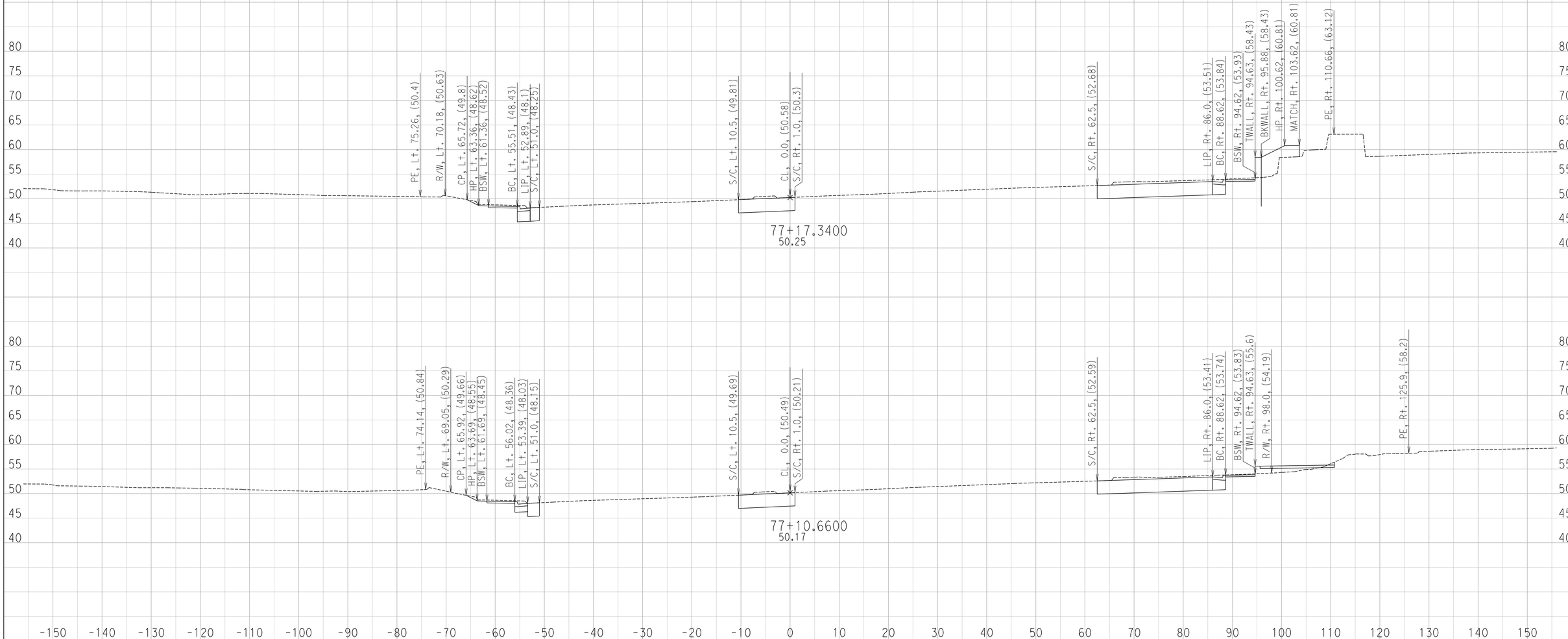
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 103 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

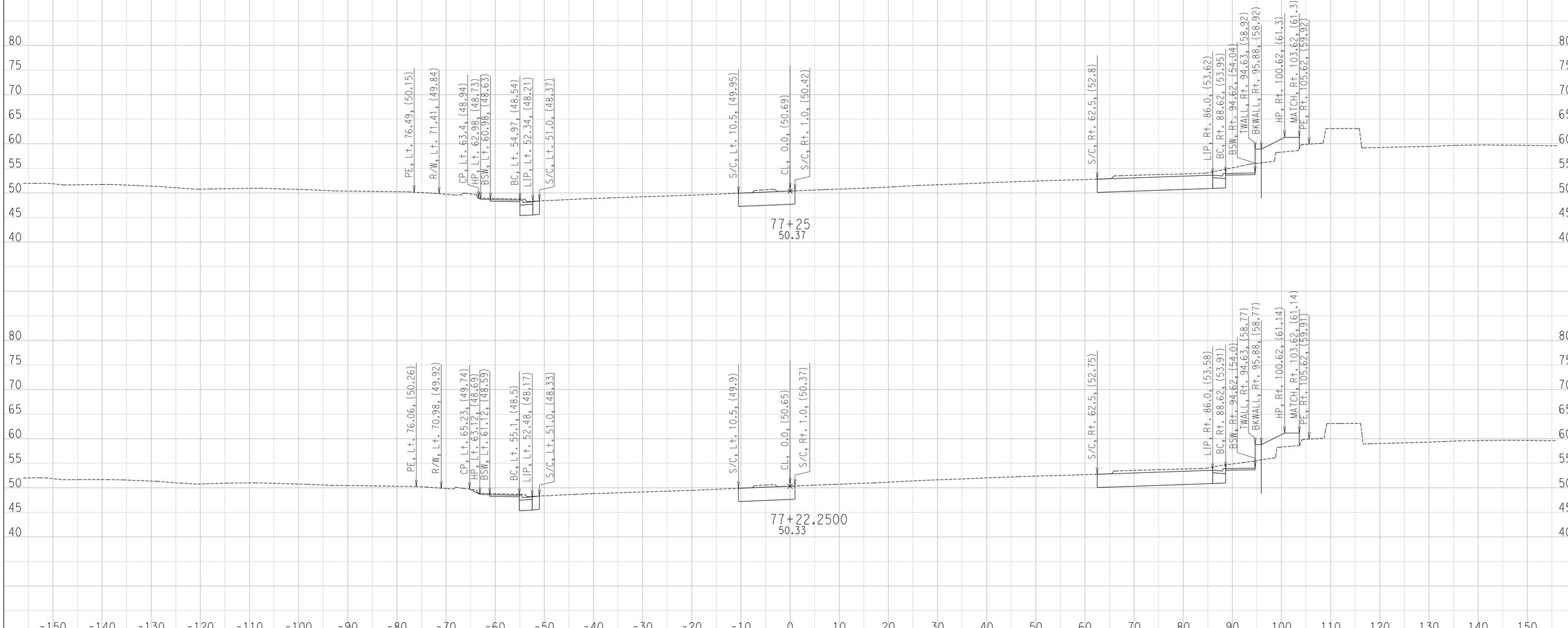
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 104 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

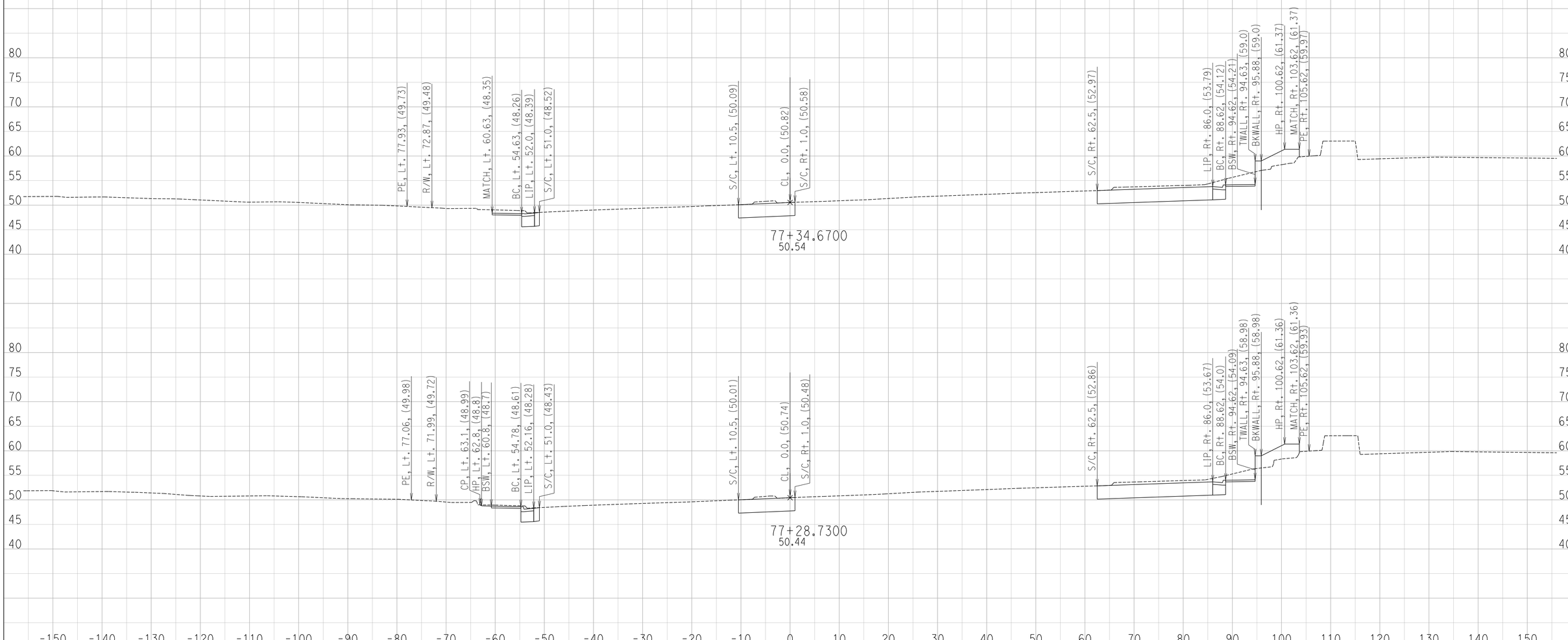
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 105 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

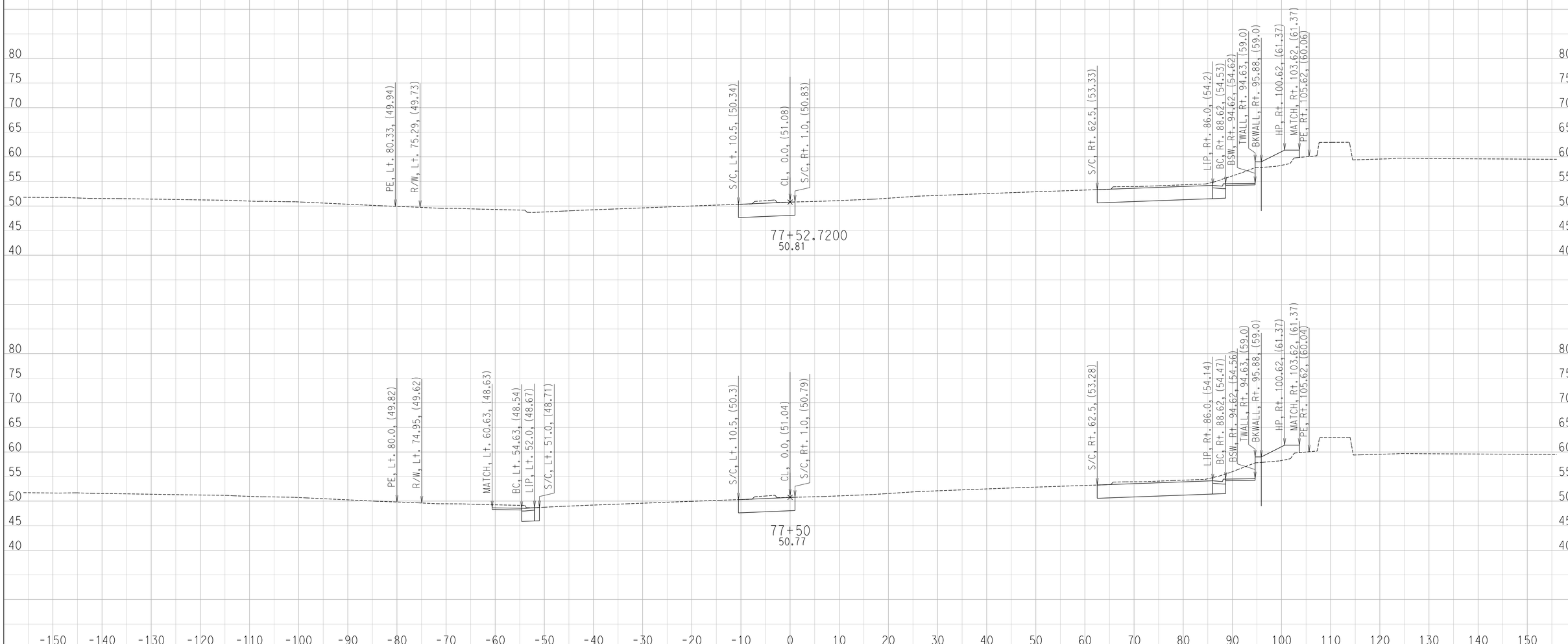
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 106 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

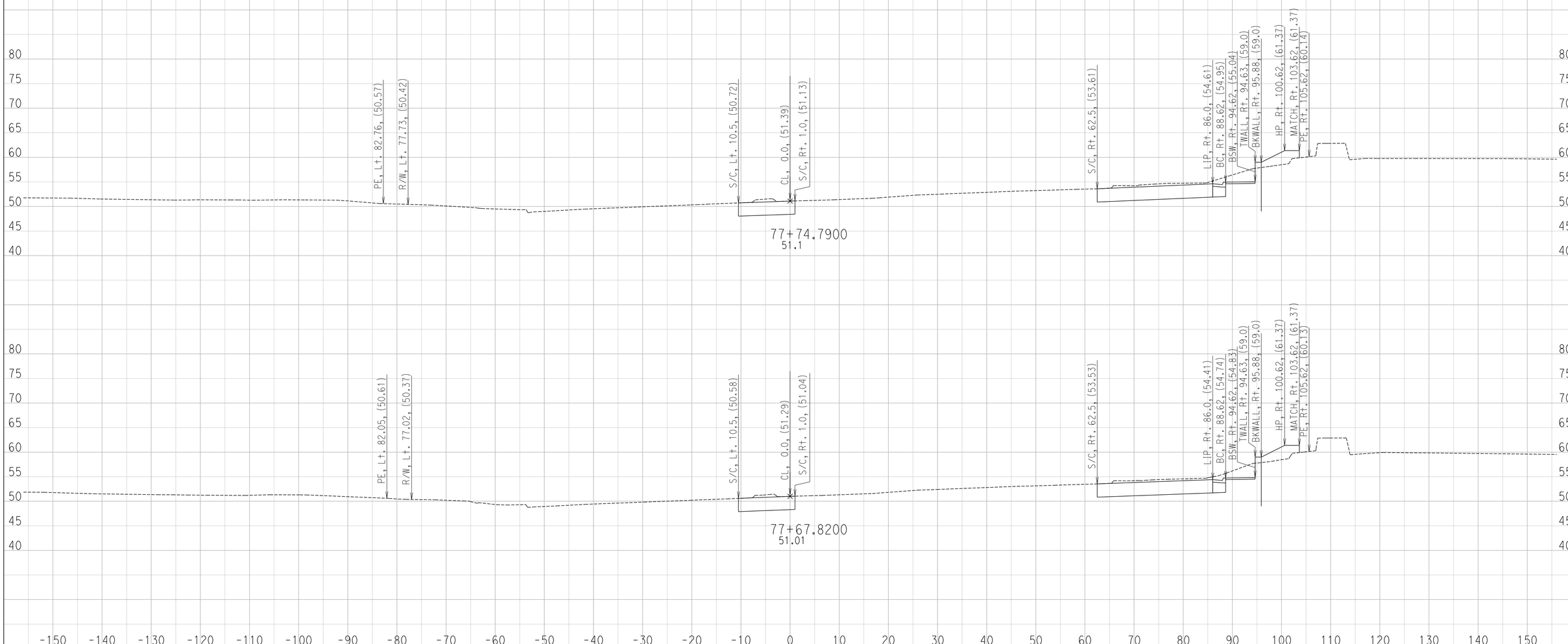
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 107 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

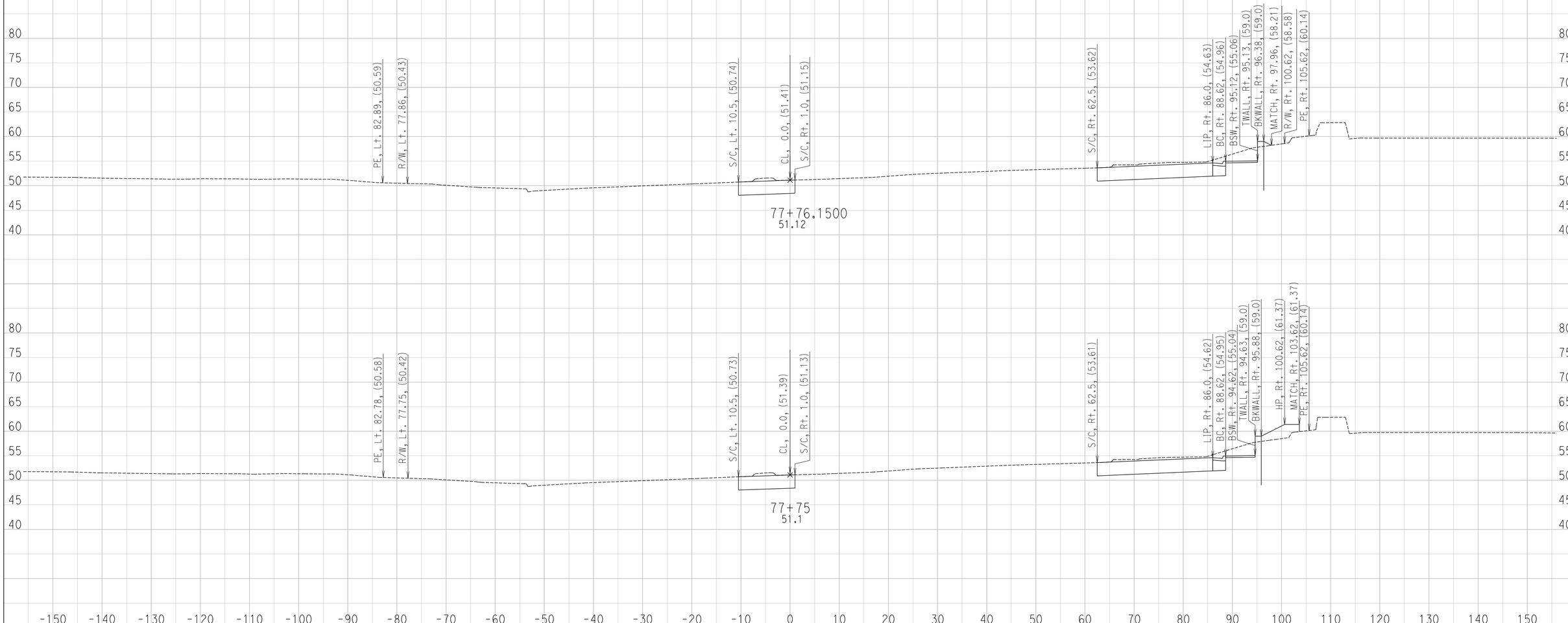
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 108 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

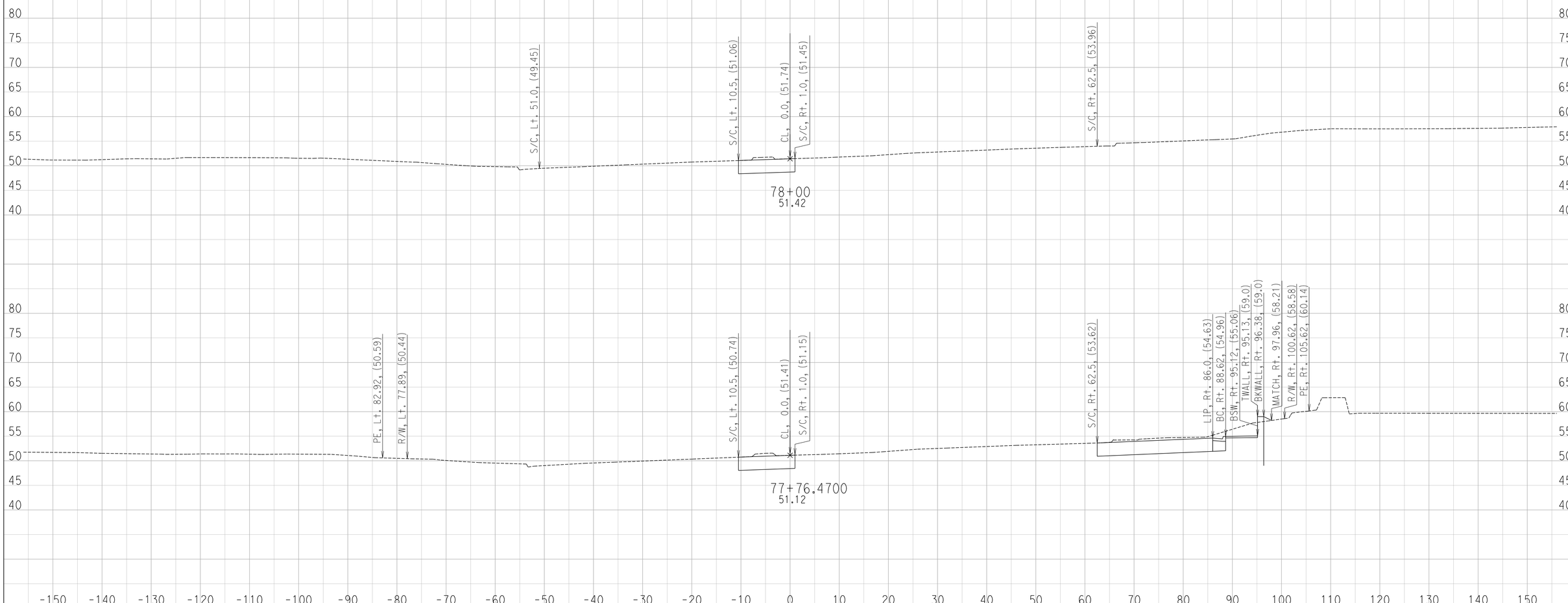
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 109 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

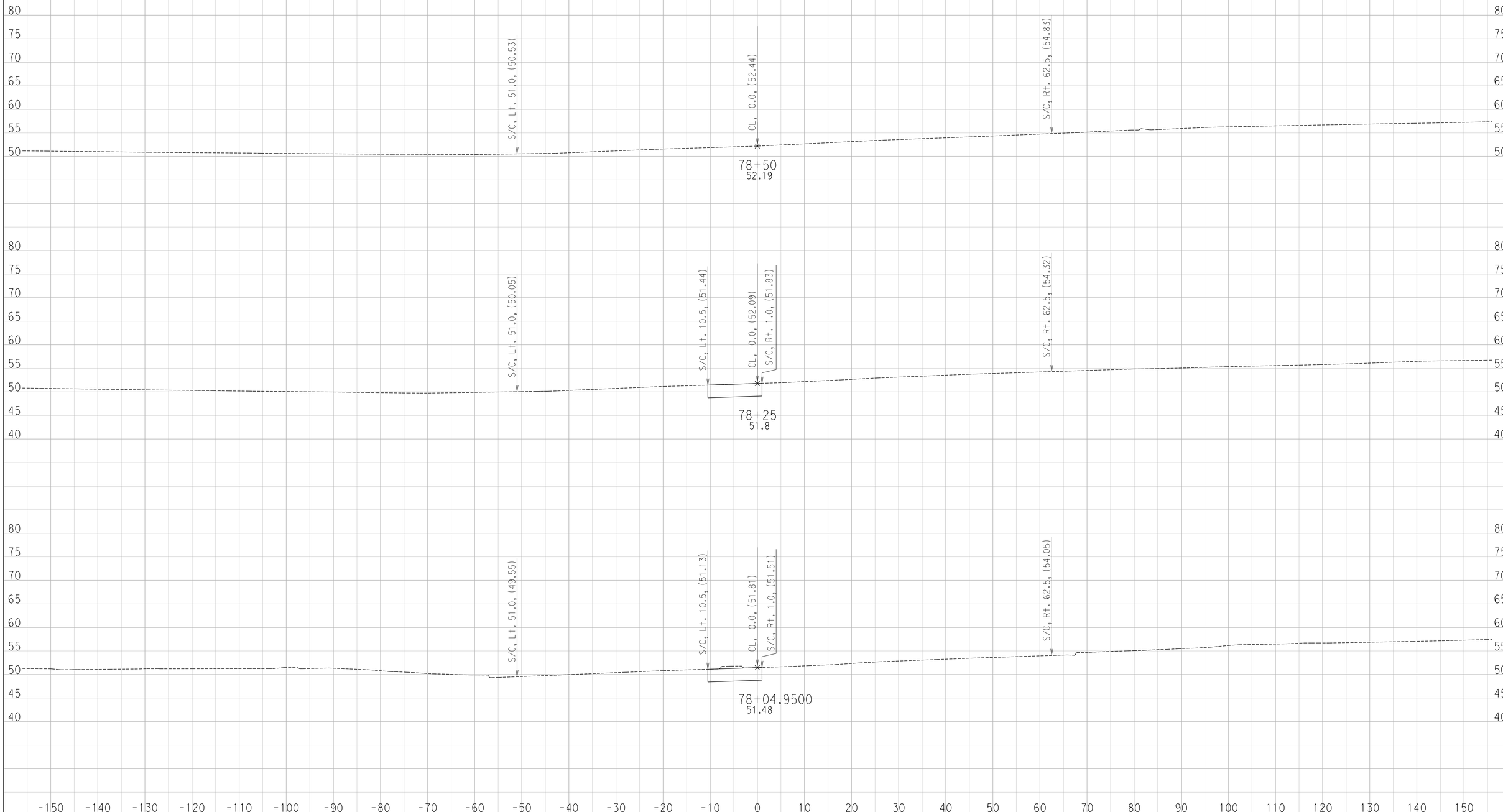
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 110 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

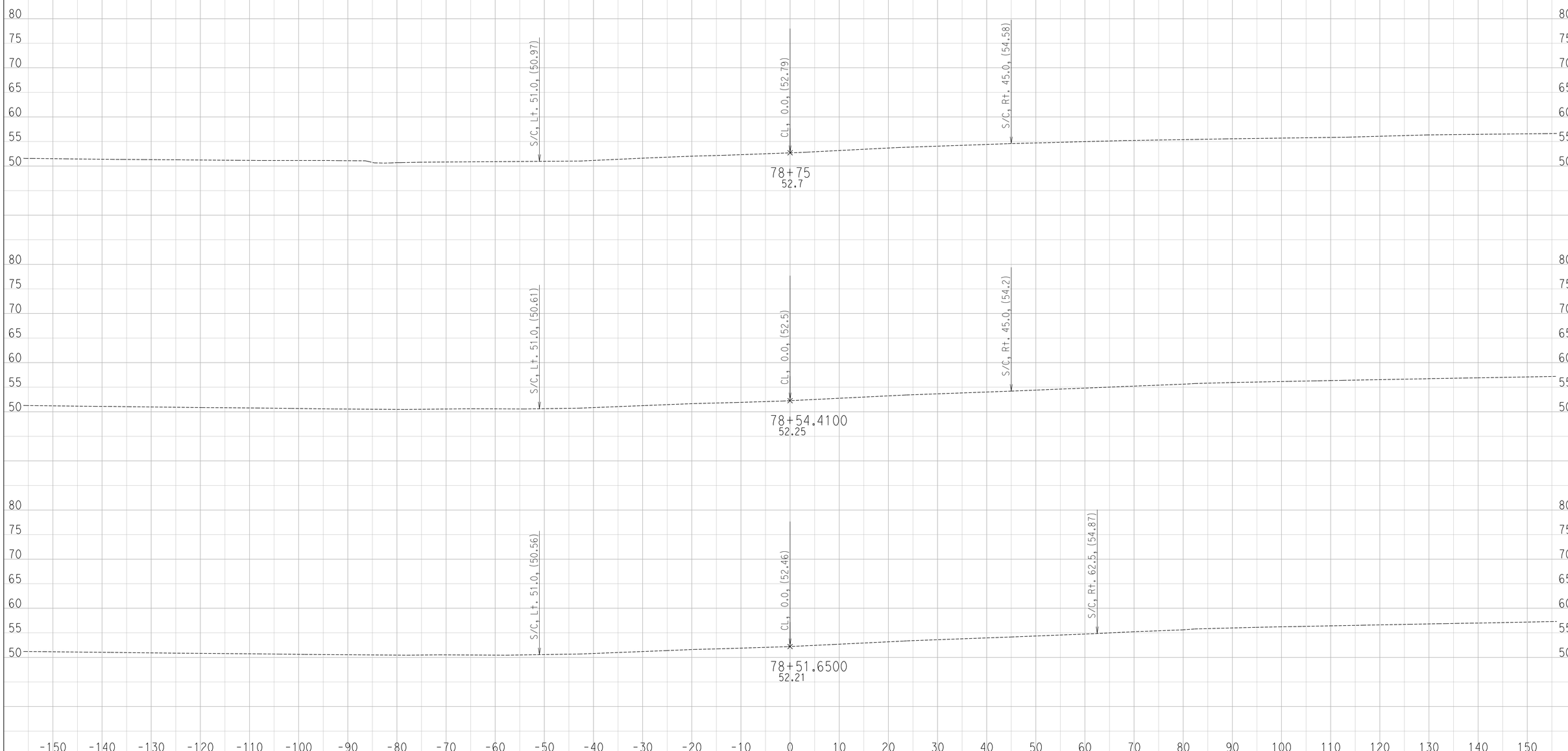
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

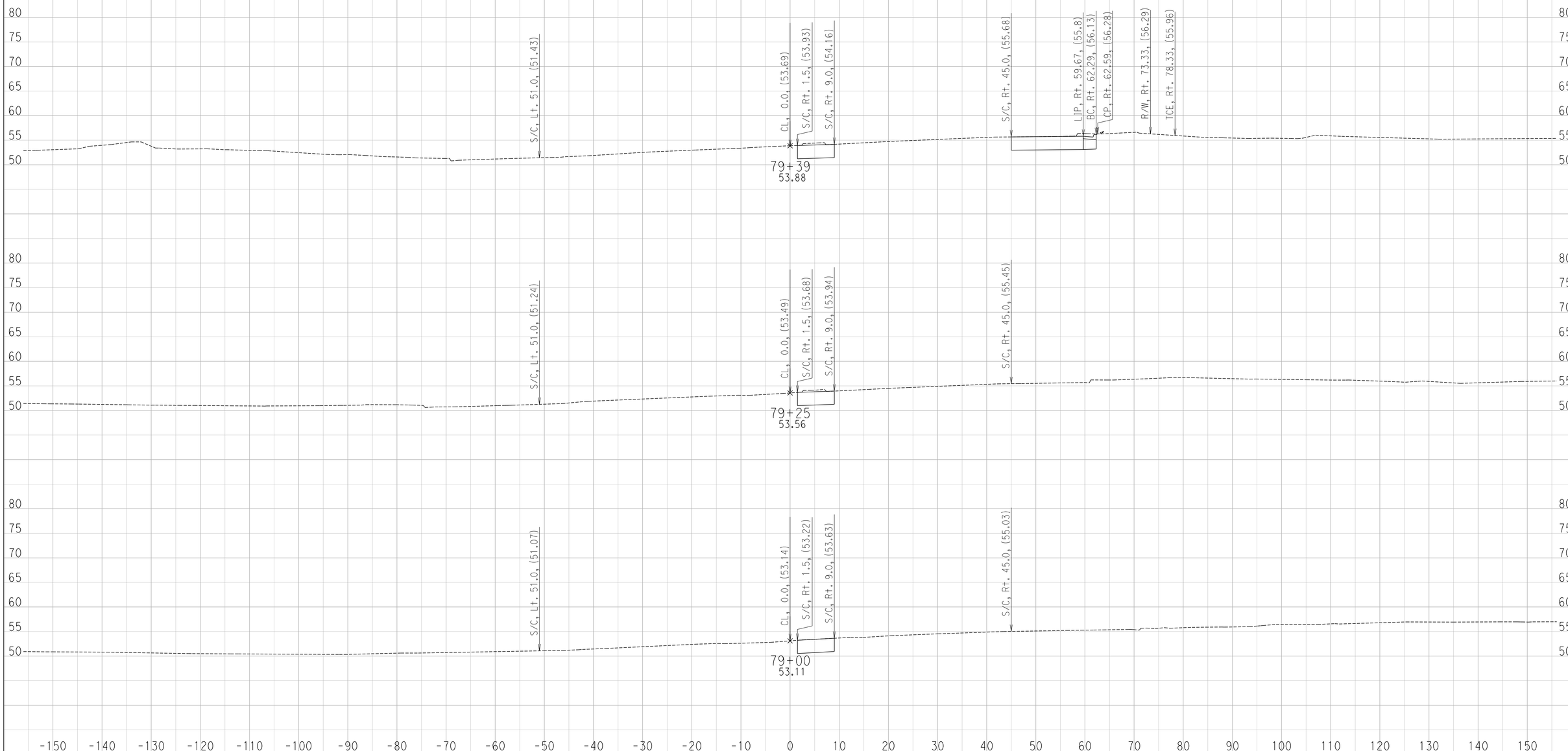
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 112 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

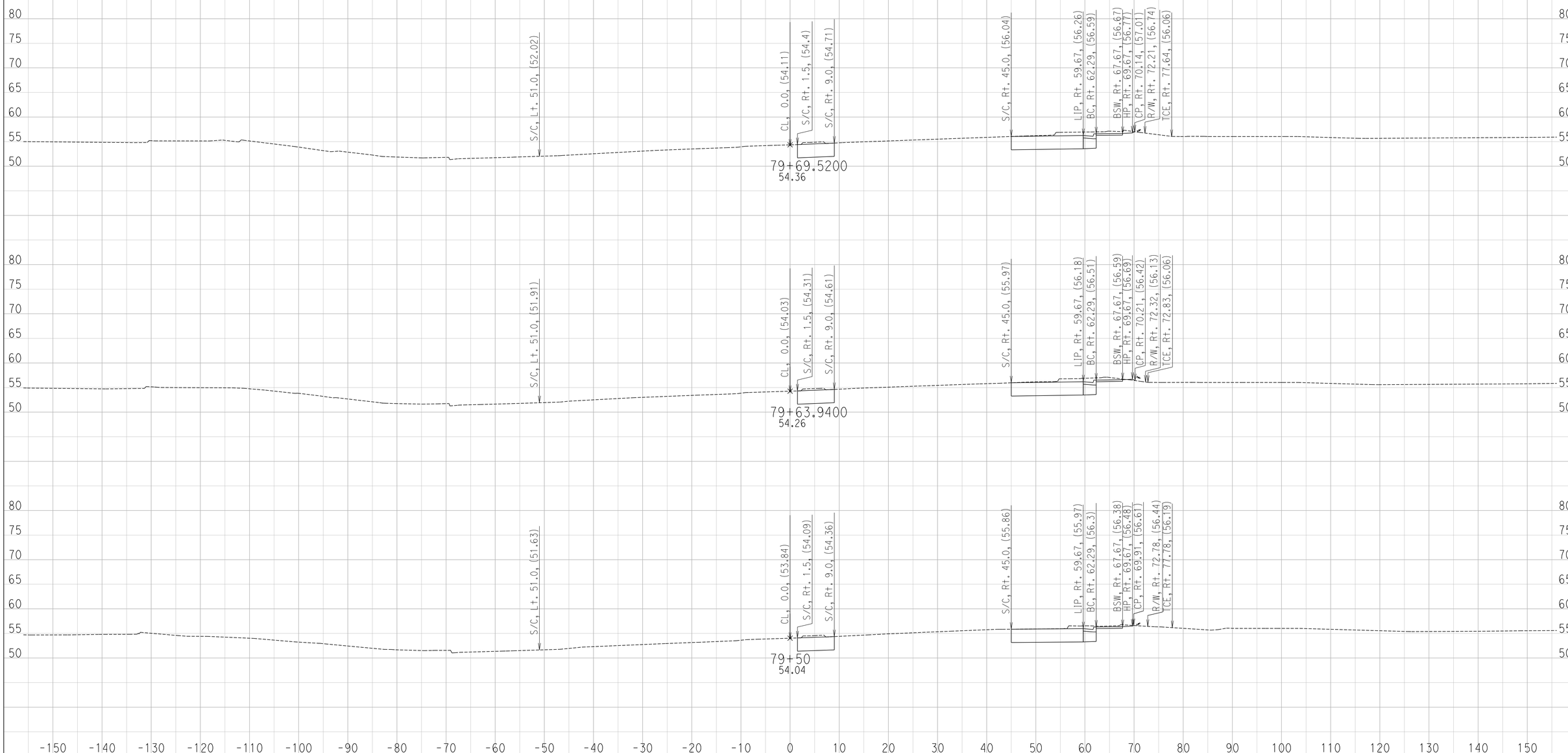
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 113 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

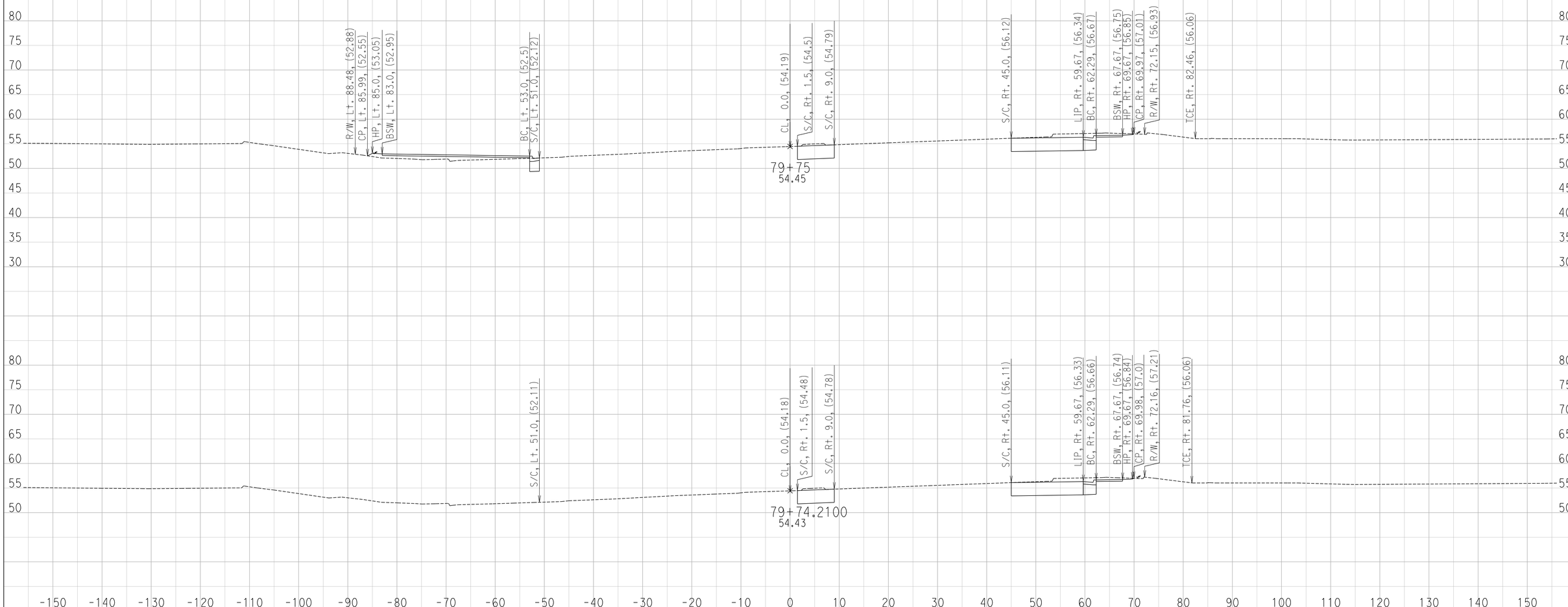
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 114 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

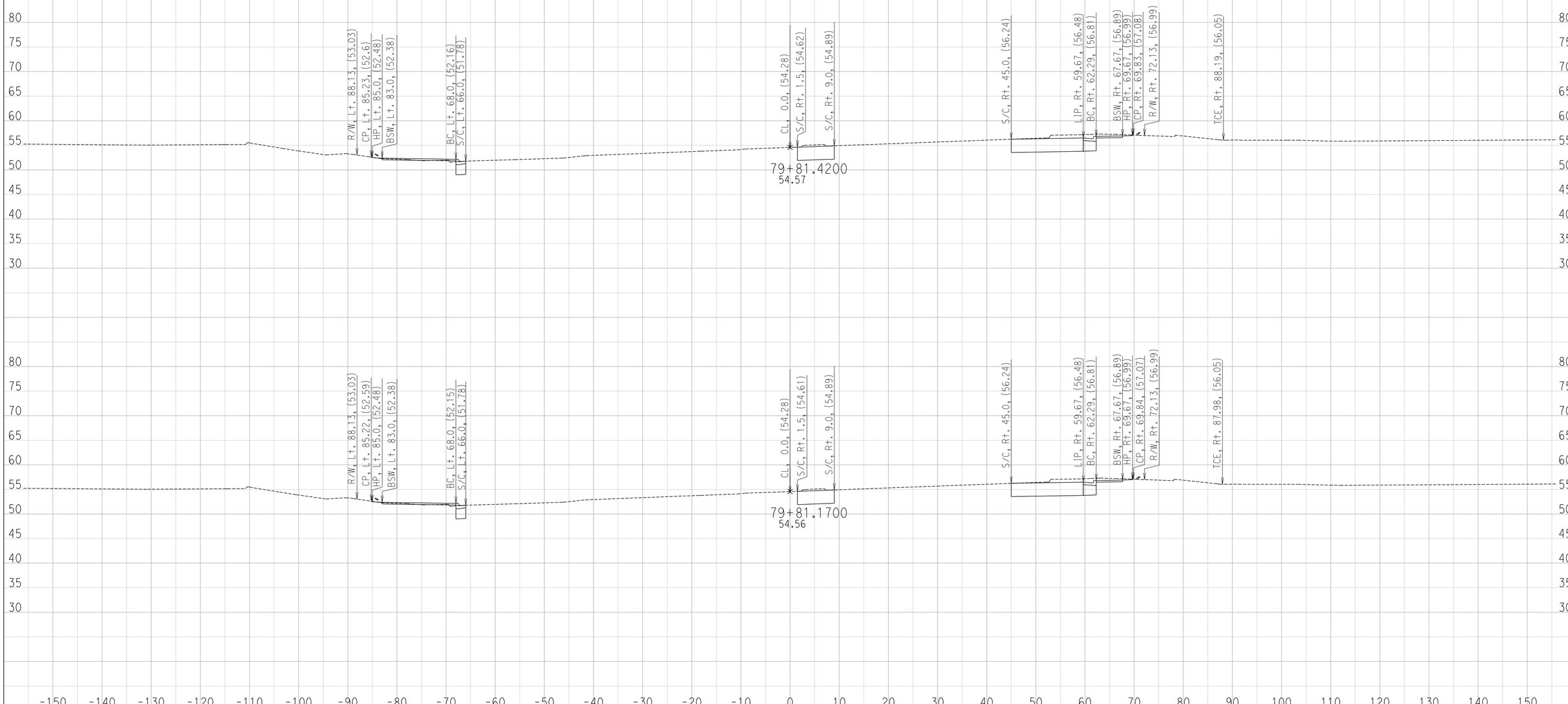
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 115 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

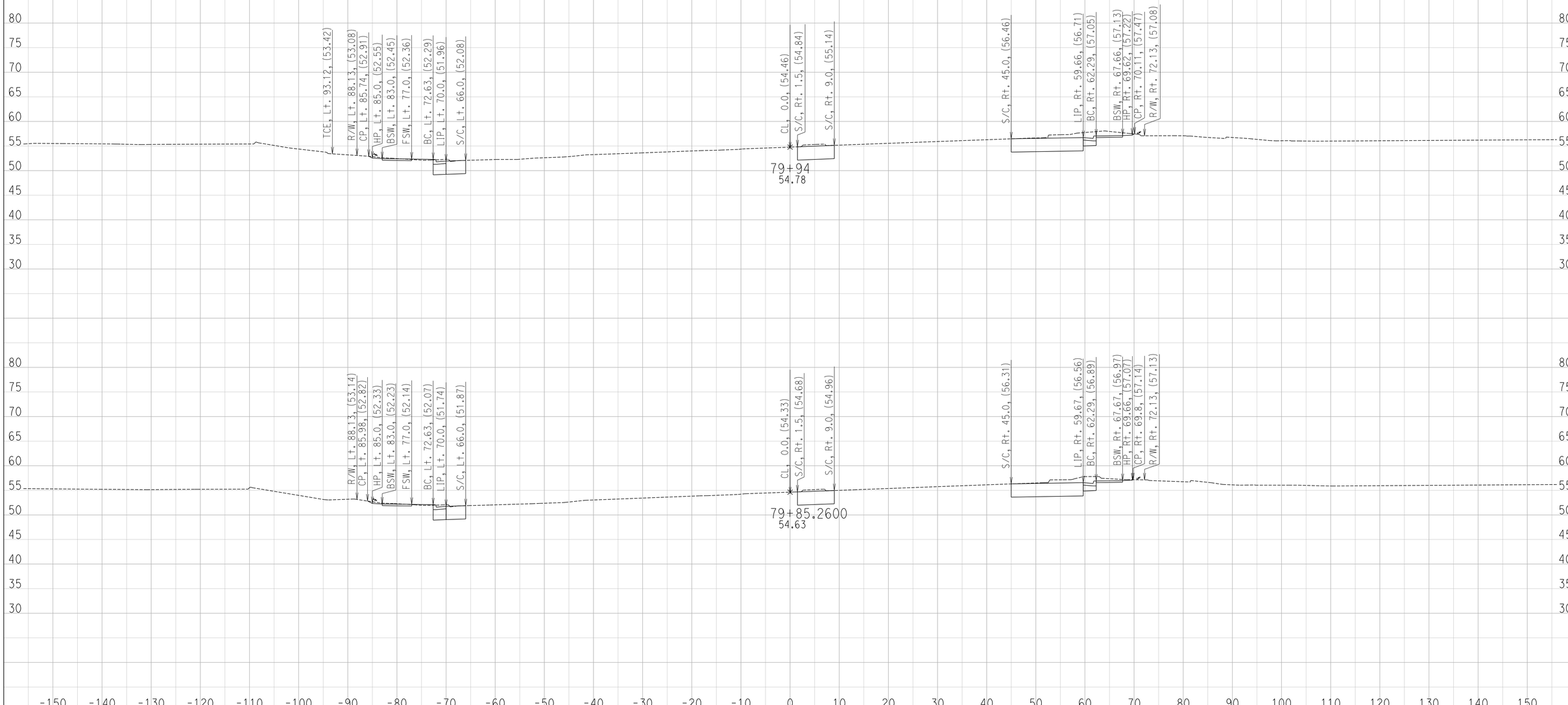
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

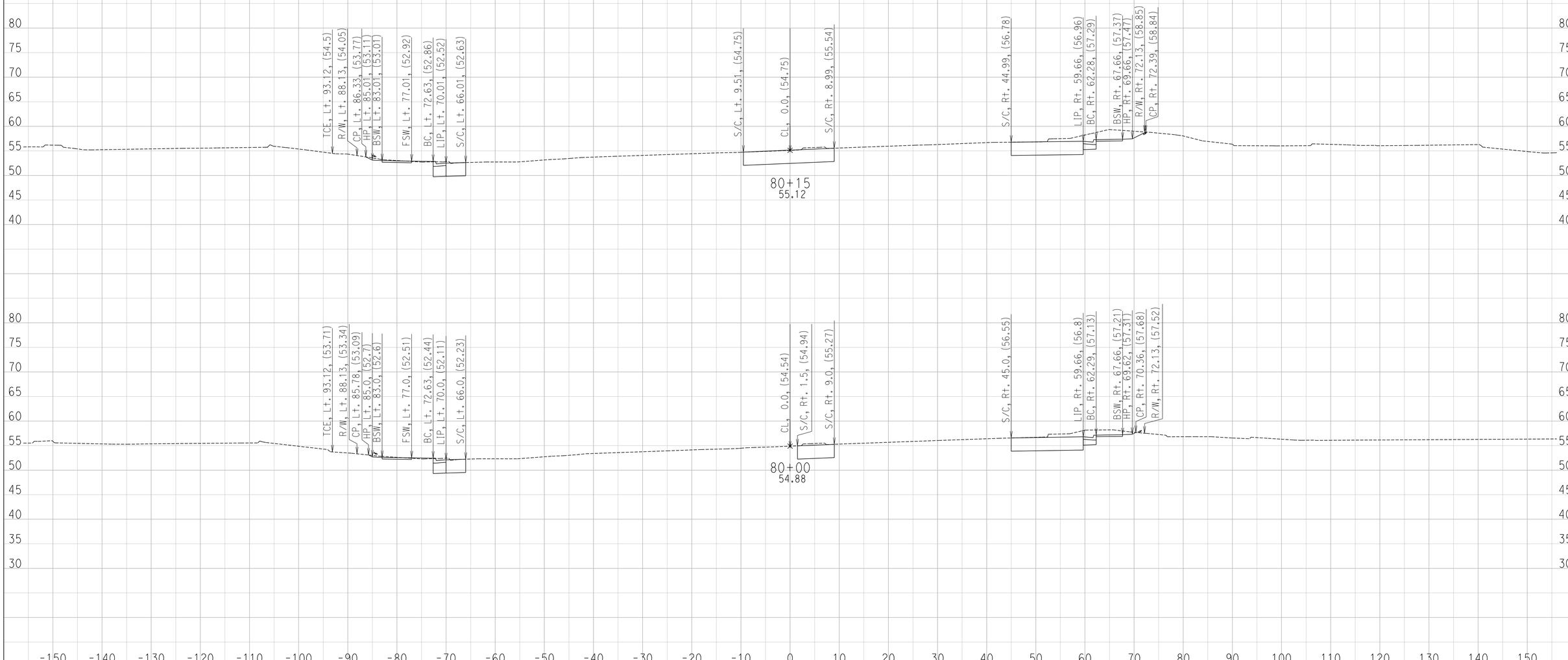
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

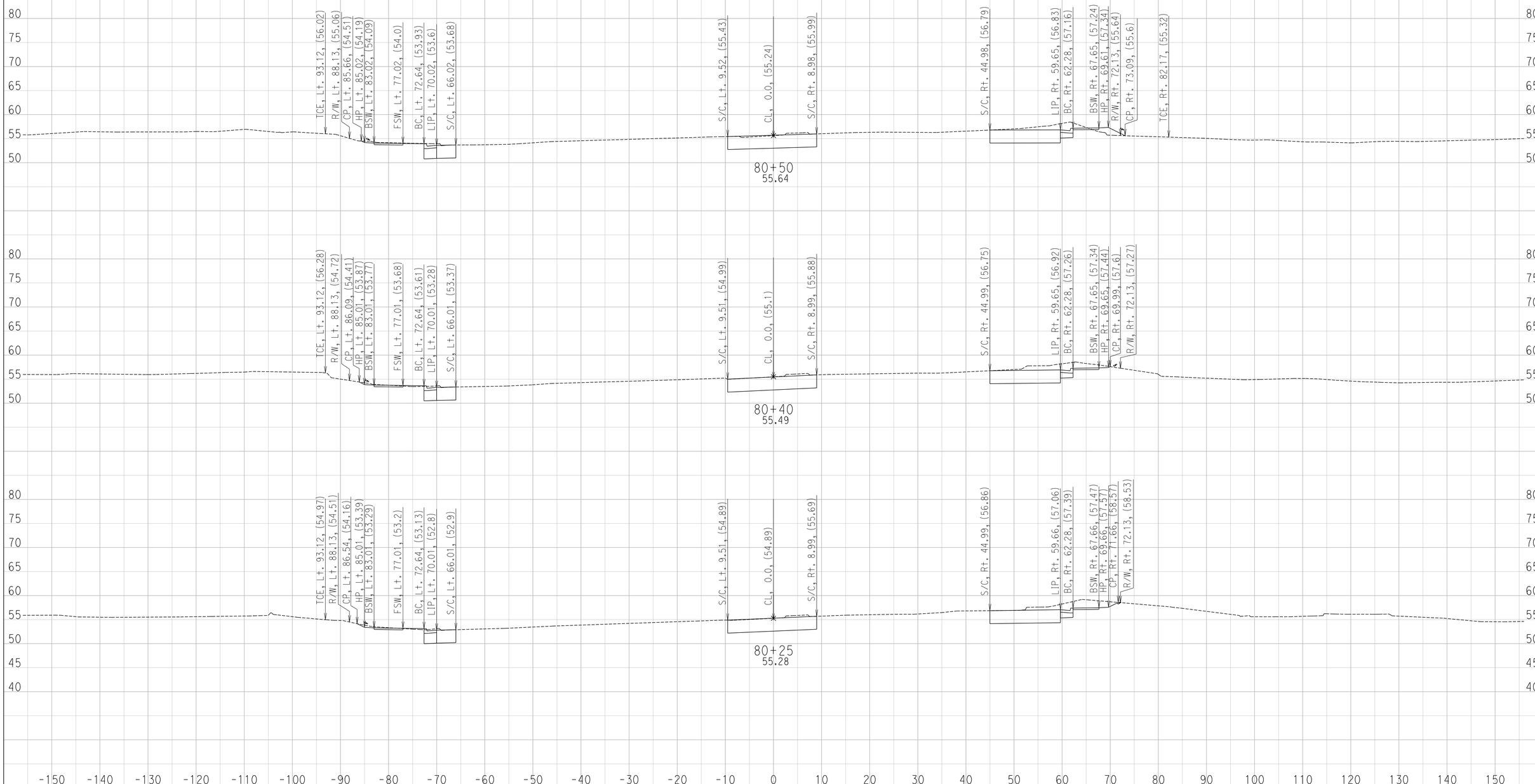
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

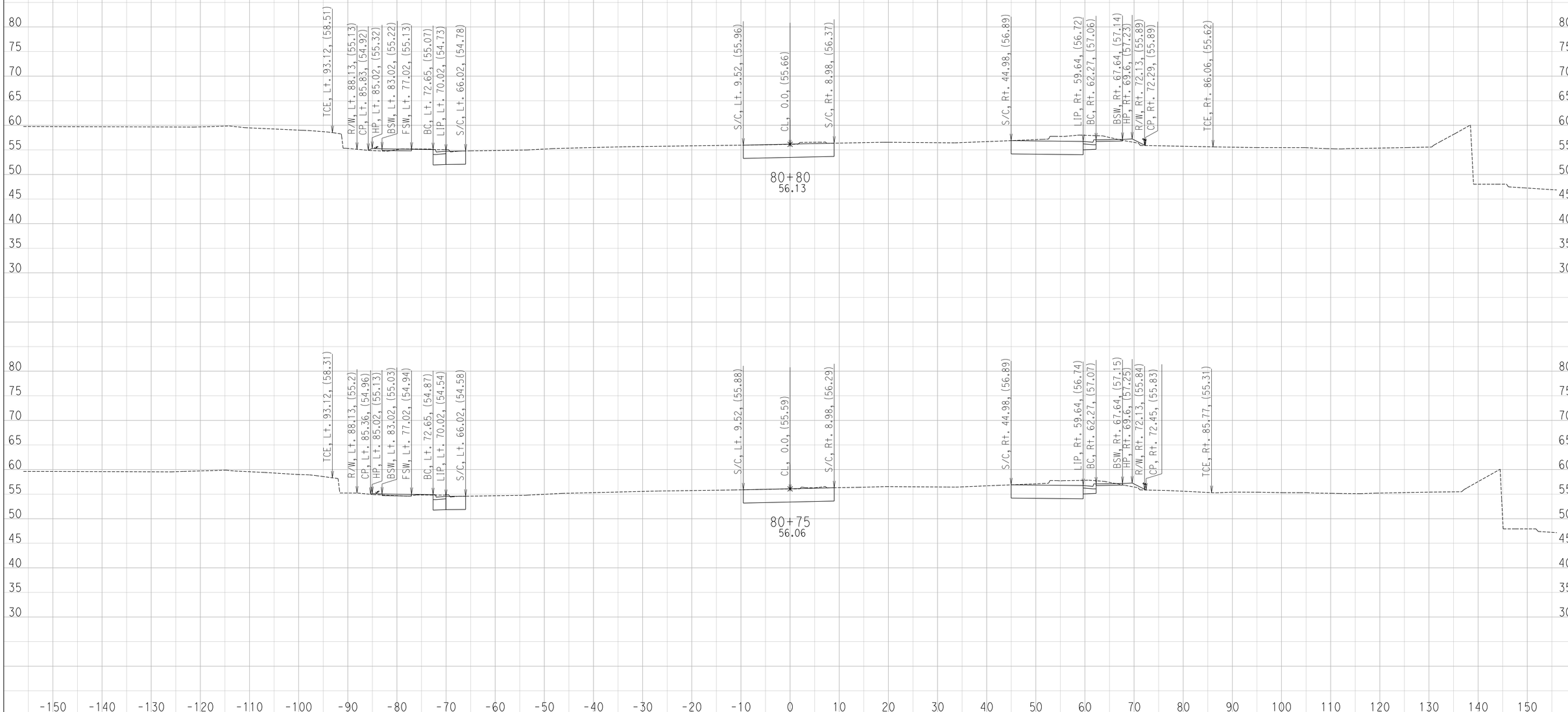
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 119 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

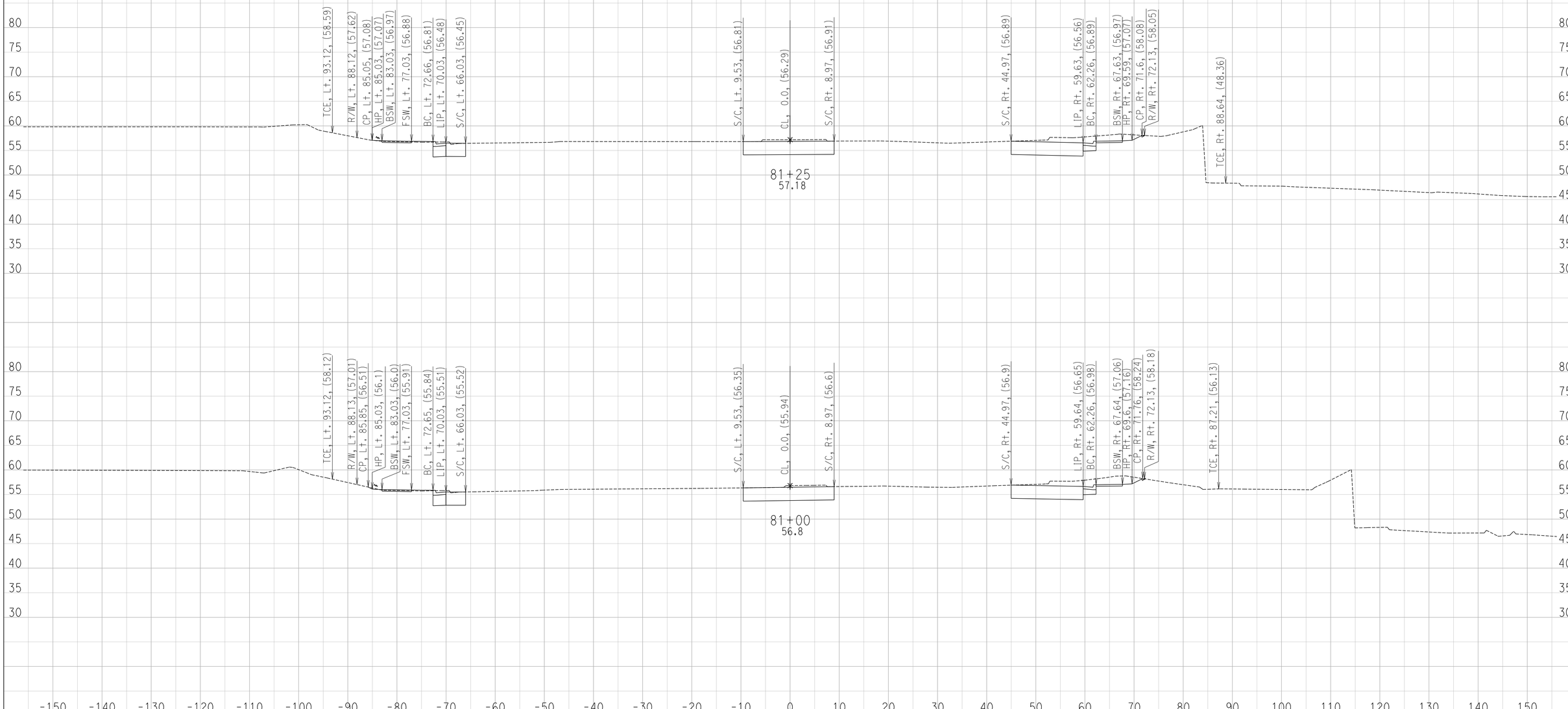
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 120 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

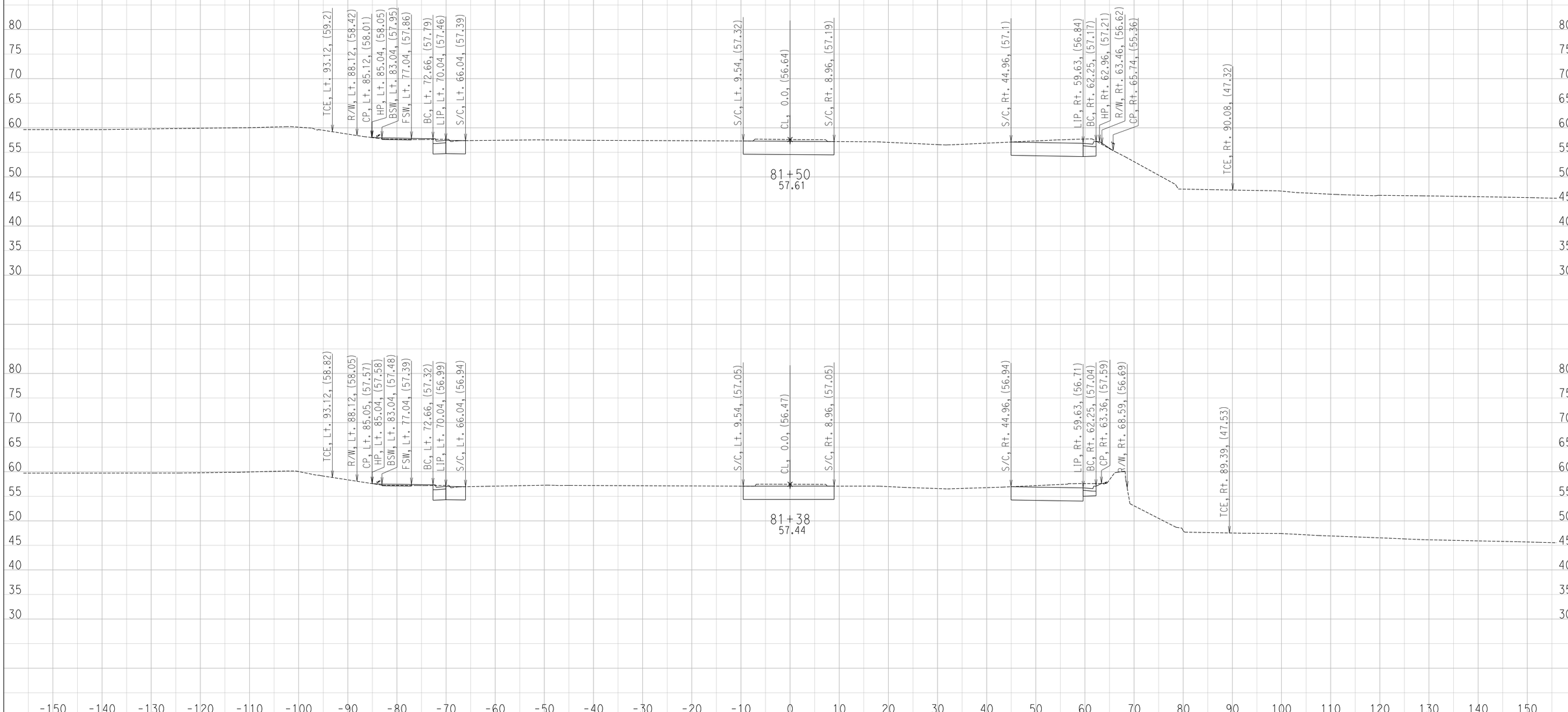
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

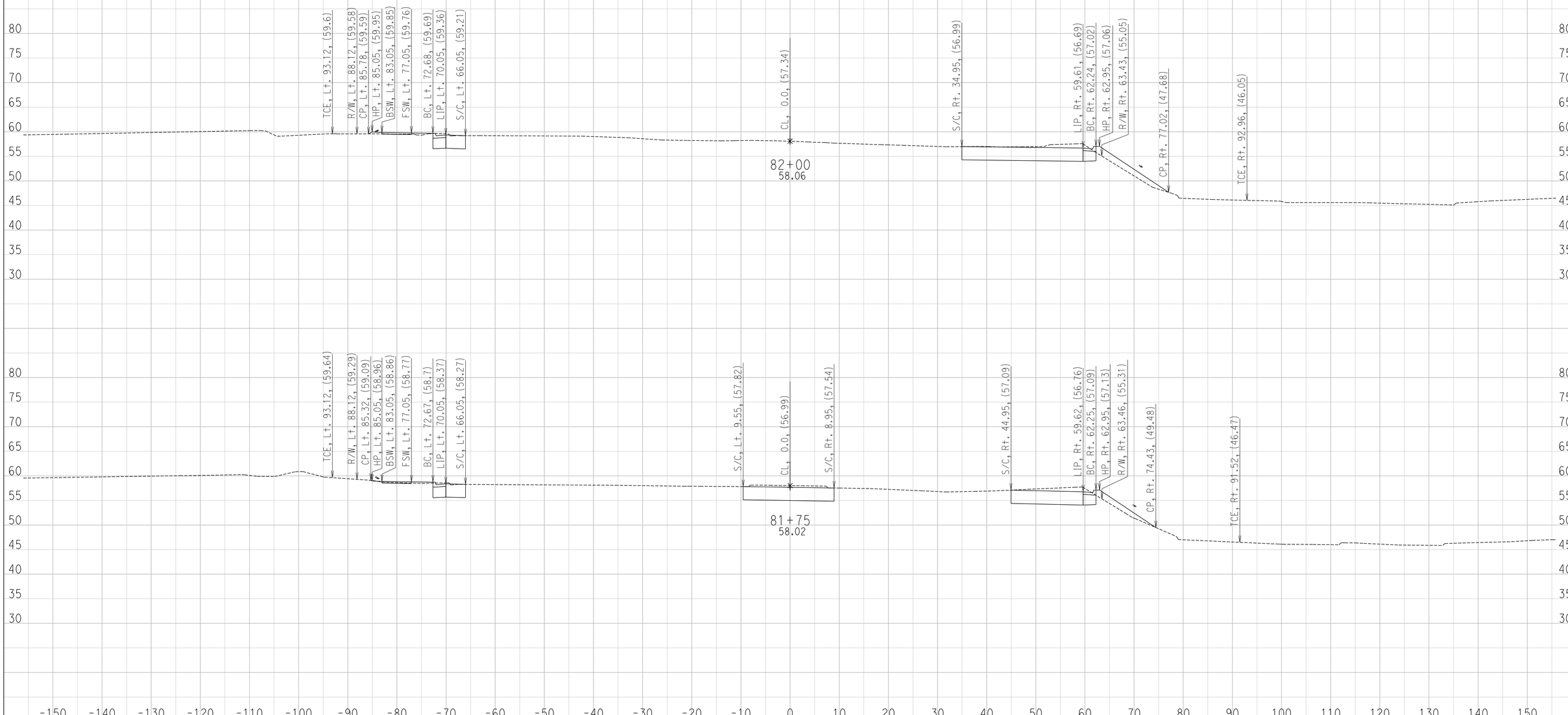
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

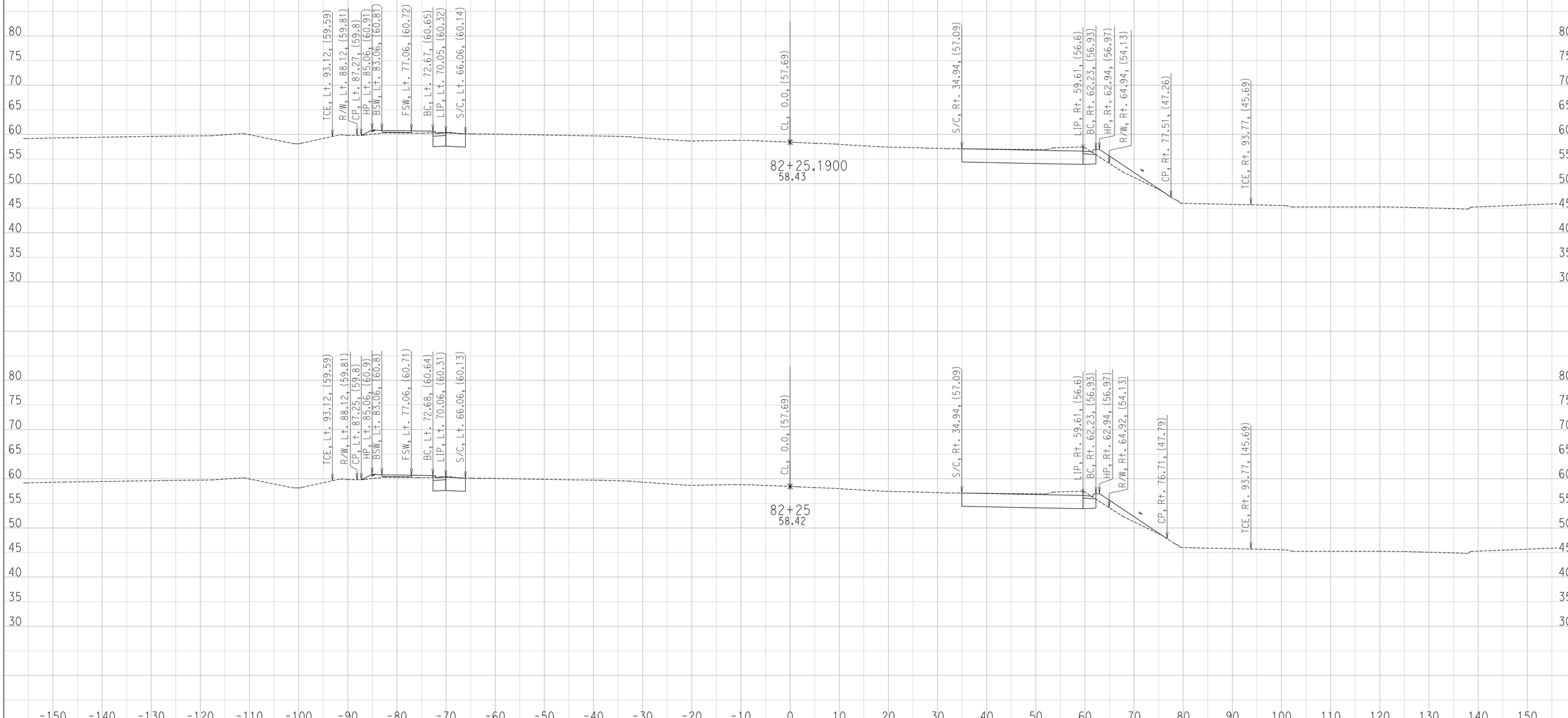
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

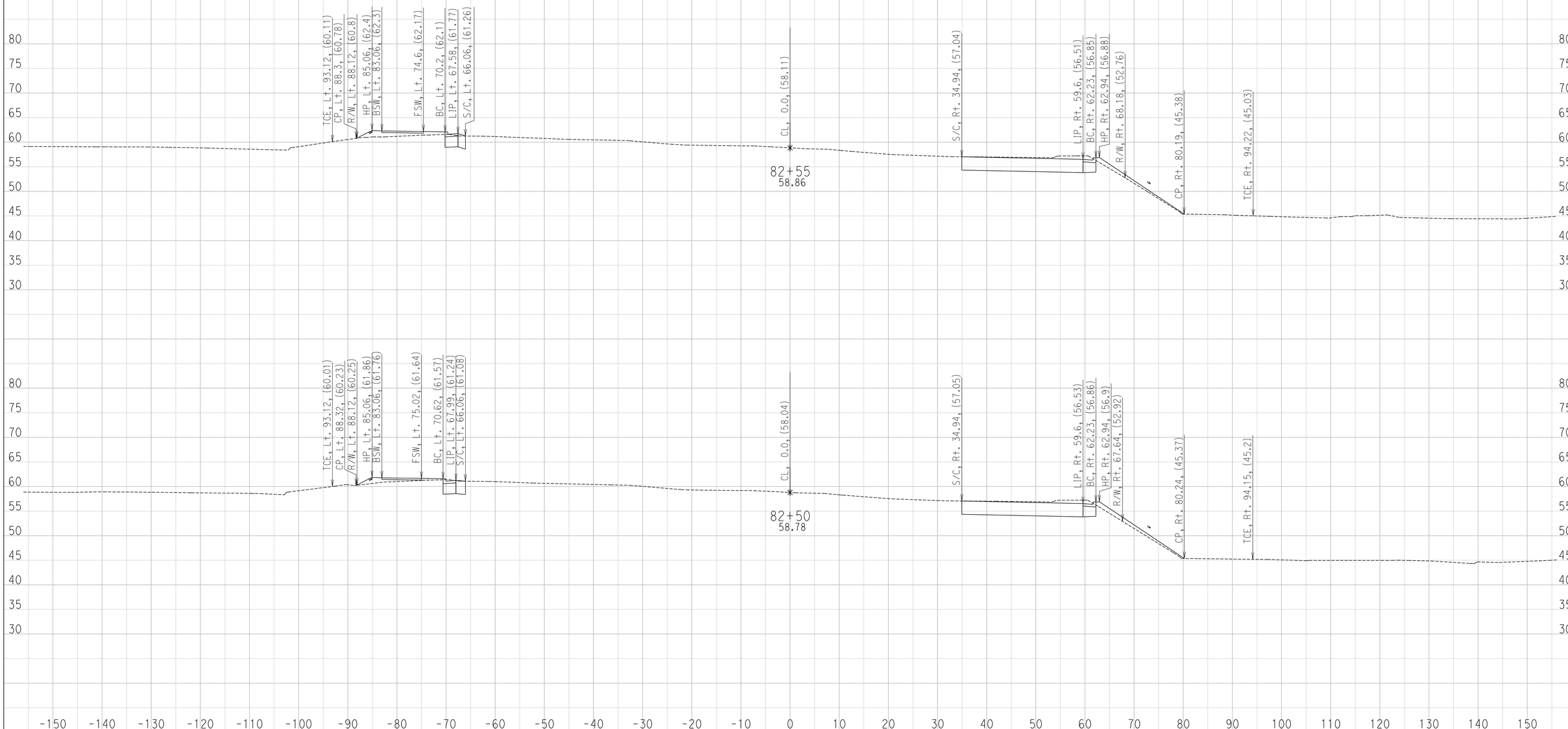
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 124 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

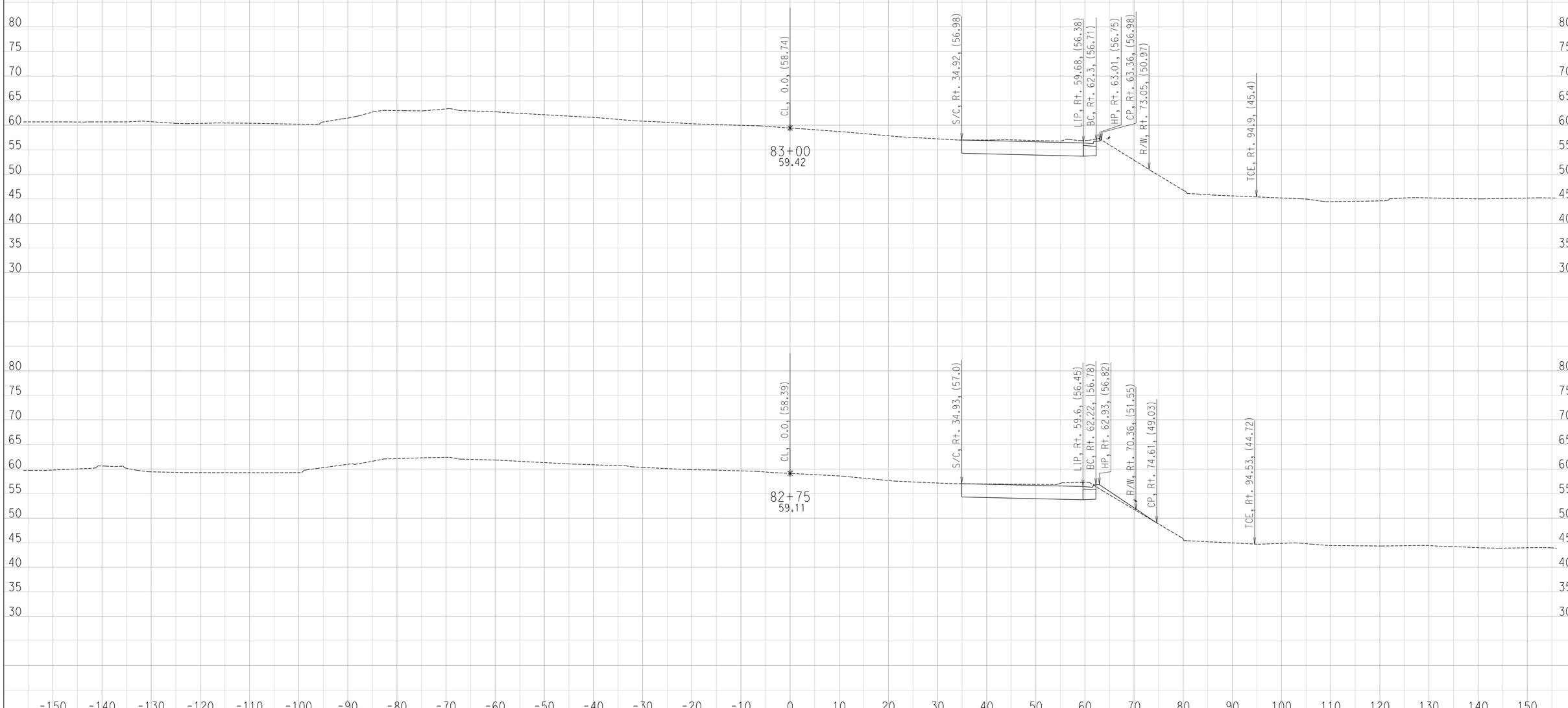
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

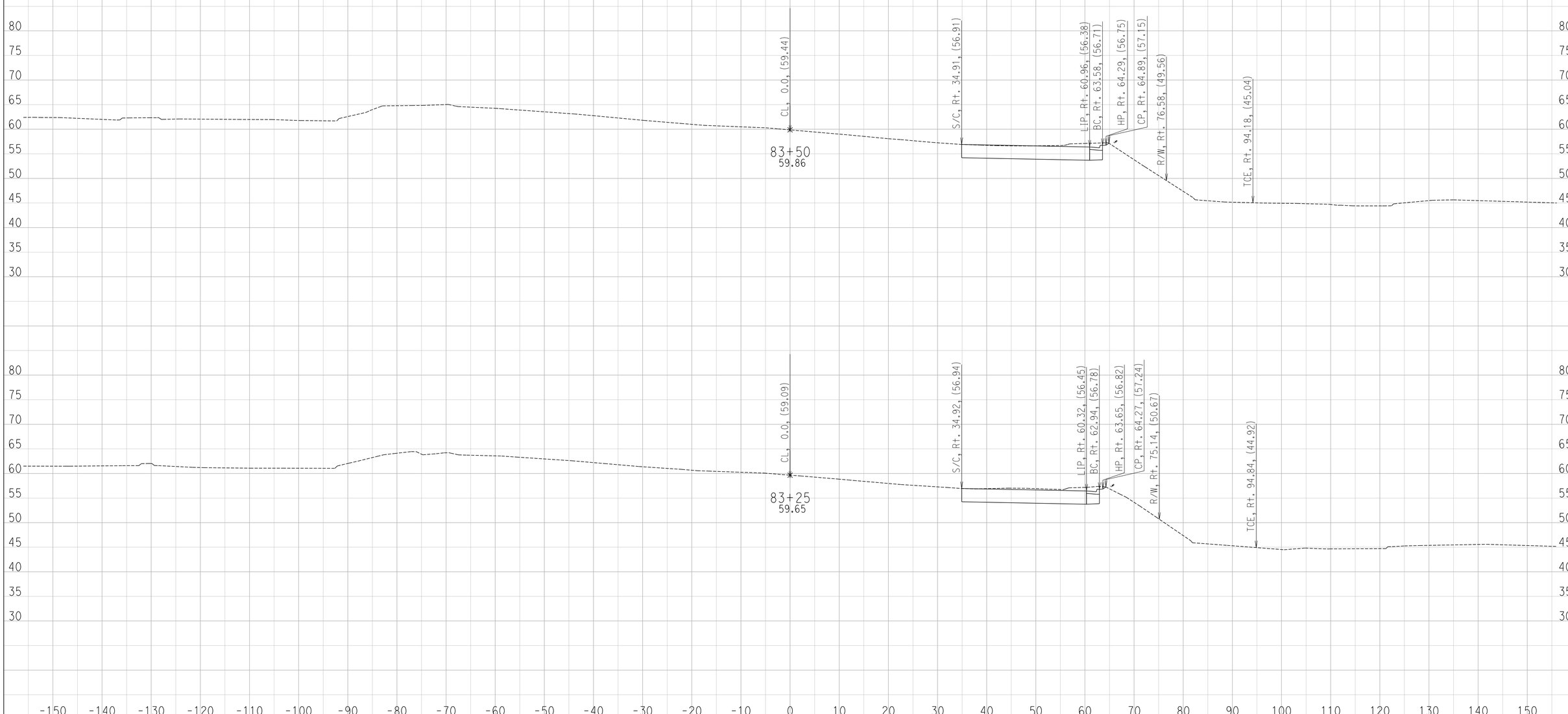
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 126 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

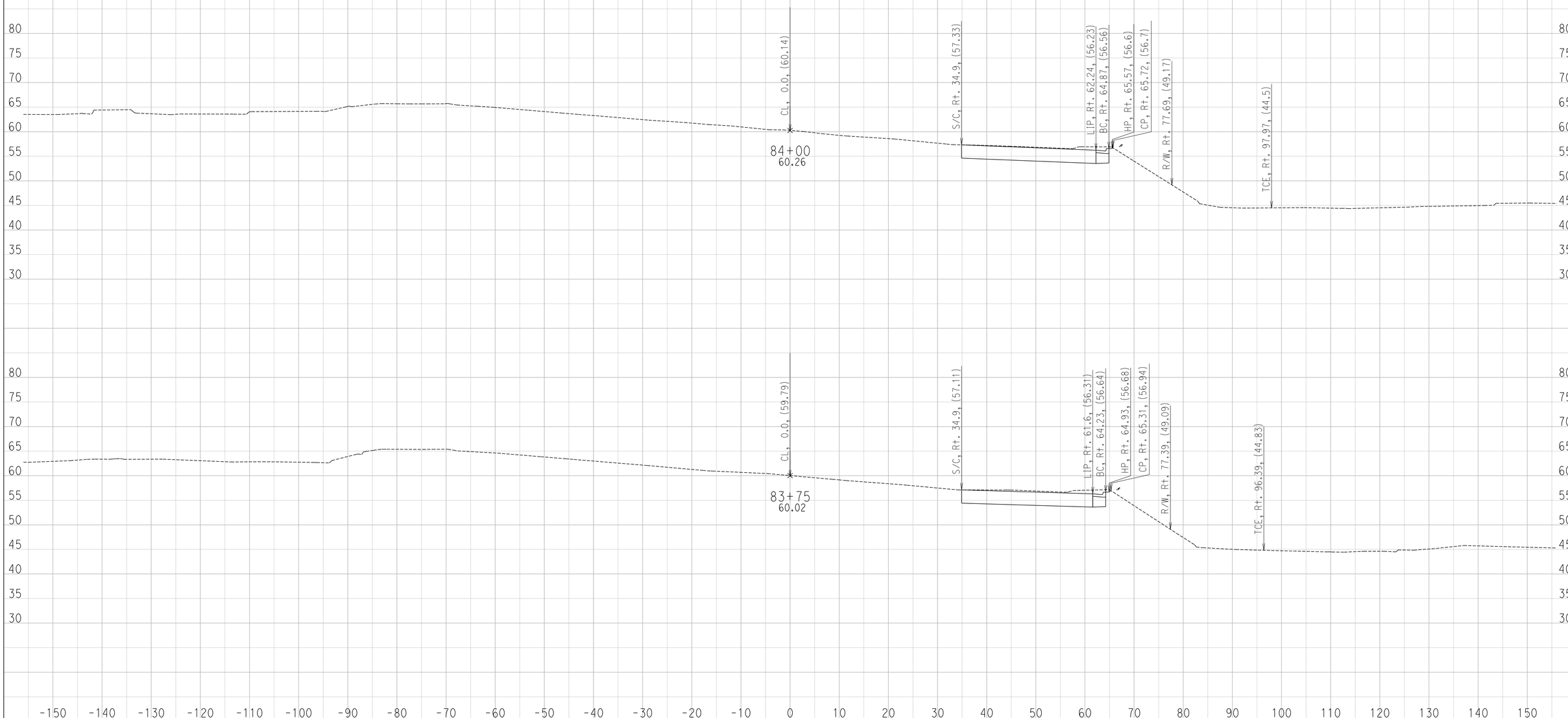
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

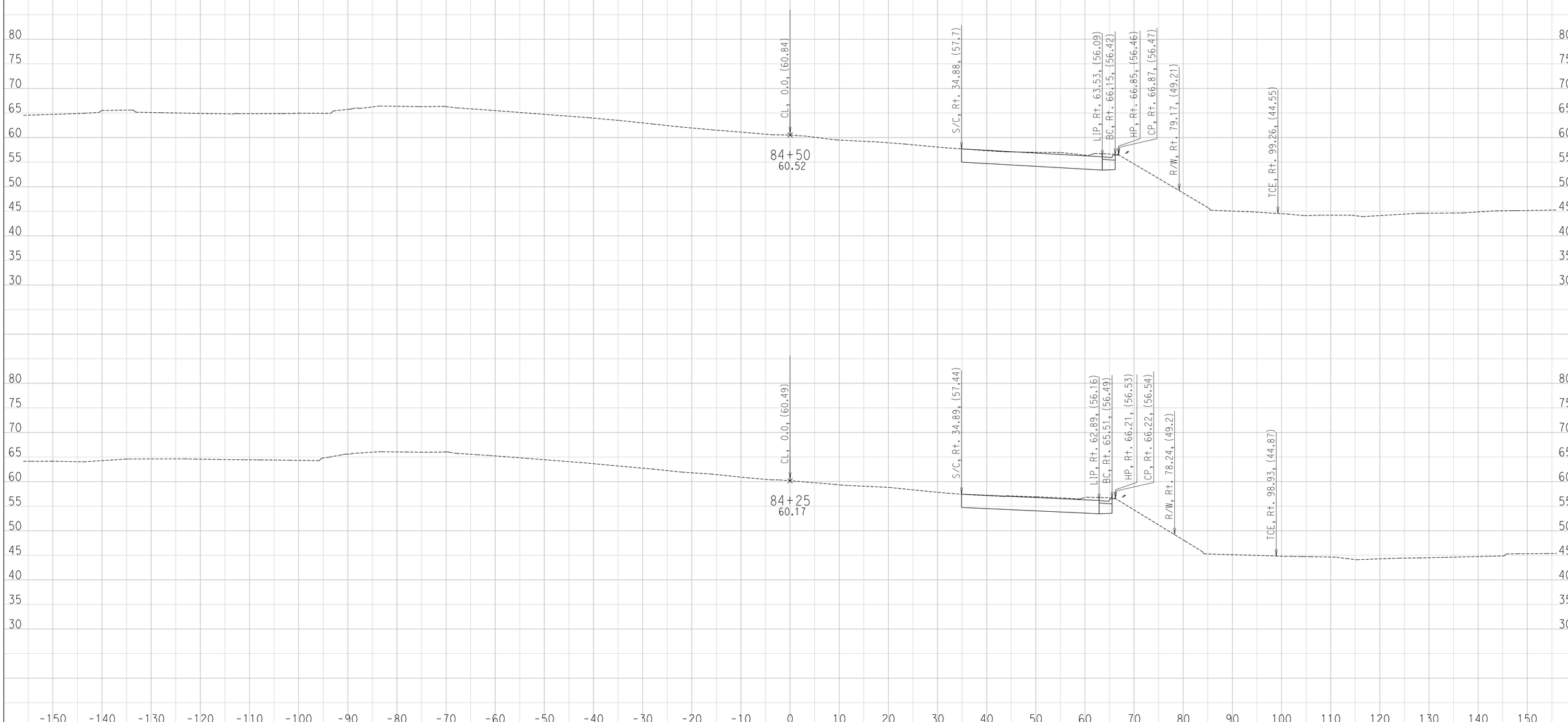
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

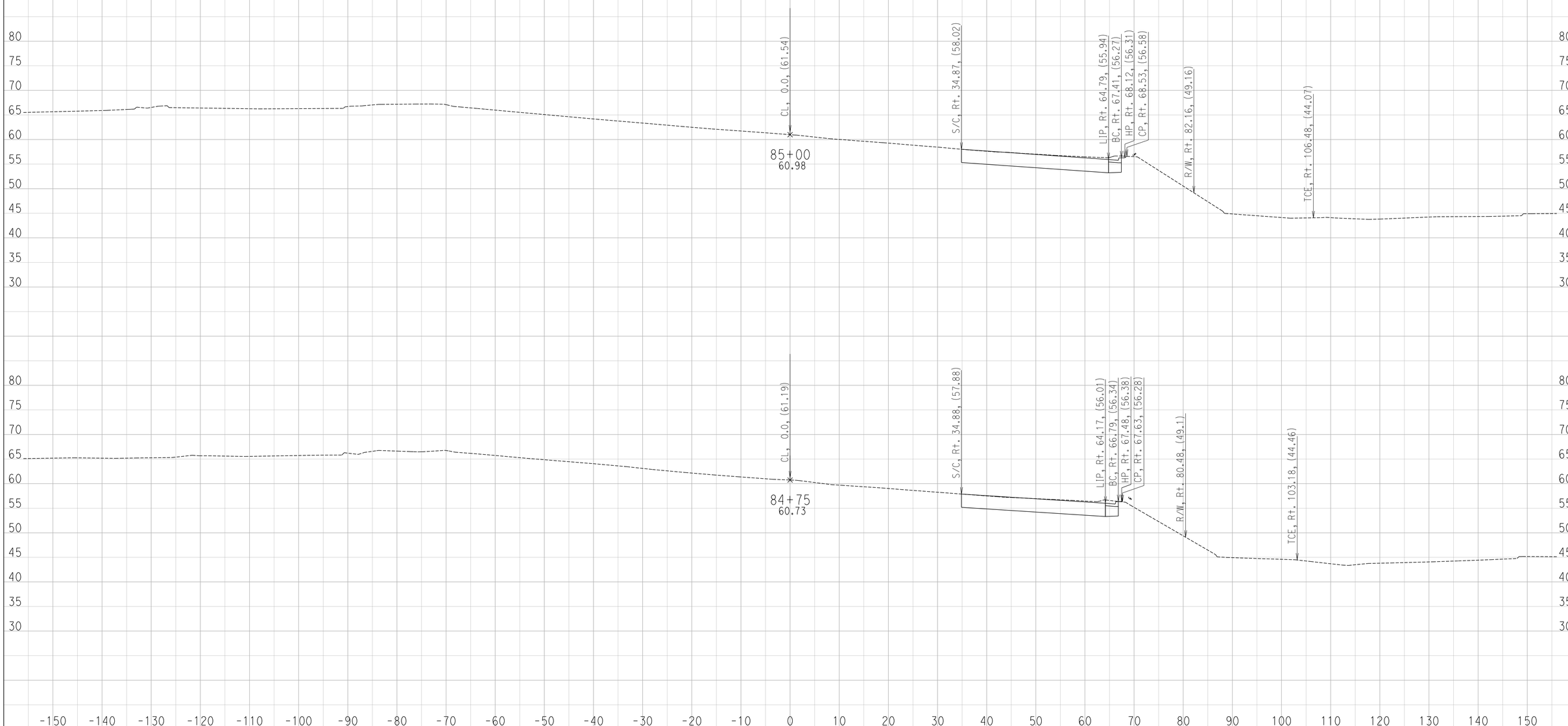
CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 129 OF 130

DESIGN STUDY ONLY



CREATED BY: Ryan S.
DATE: 6/29/2016

CONTRACT: 11-087581
DIST/CO/RTE/PM: 11 / SD / SR-163 / 4.1 TO 4.9
PROJECT ID: 1100000064

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

All Dimensions are US Survey Feet

FR
CROSS SECTIONS
SHEET 130 OF 130