STATE OF CALIFORNIA
BUSINESS AND TRANSPORTATION AGENCY
DEPARTMENT OF TRANSPORTATION
DISTRICT 04

FINAL

CROSS SECTIONS

HIGHWAY 101 HOV LANE WIDENING PROJECT
STEELE LANE TO WINDSOR RIVER ROAD
SONOMA, CALIFORNIA
KP 34.9/47.2
EA: 0A10U1
DESIGN - ALAMEDA II

SOUTHBOUND RAMP 101 CROSS SECTIONS

ALL DIMENSIONS ARE IN METERS

PROJECT: SONOMA 101 MEDIAN WIDENING

SB CROSS SECTIONS CREATED BY: SDH

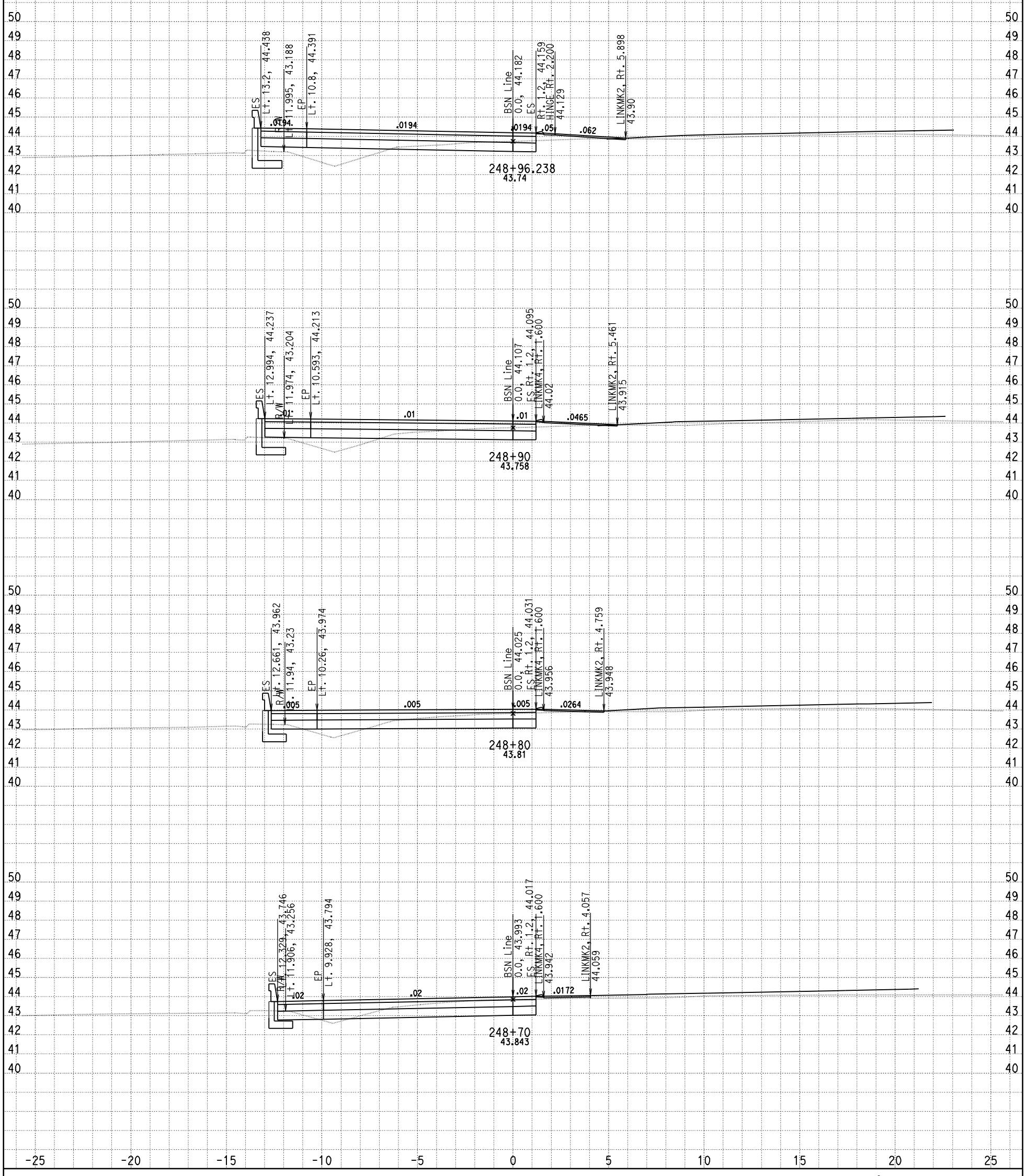
DATE: 9/14/2007

EA: 0A1011

34.9/47.2

Scale Ratio: 1:100 Horiz.
1:100 Vert.

DESIGN STUDY ONLY



ALL DIMENSIONS ARE IN METERS

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

34.9/47.2

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 3/27/2008

Scale Ratio: 1:100 Horiz. 1:100 Vert.

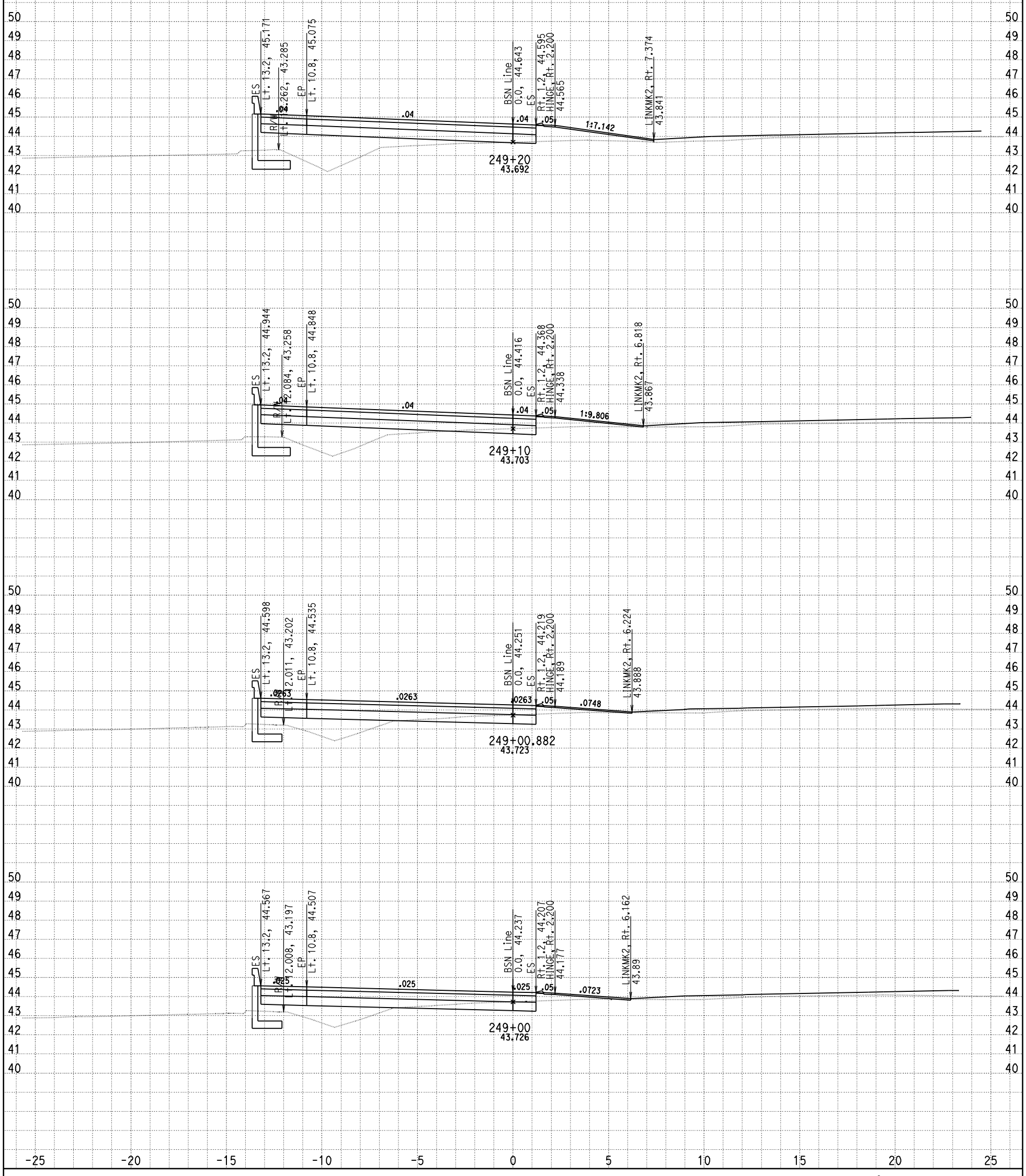
BSN Line

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\BSN\bsn-ditch-rwall2-dike-bh.ear

SHEET 1 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE IN METERS

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

34.9/47.2

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 3/27/2008

Scale Ratio: 1:100 Horiz. 1:100 Vert.

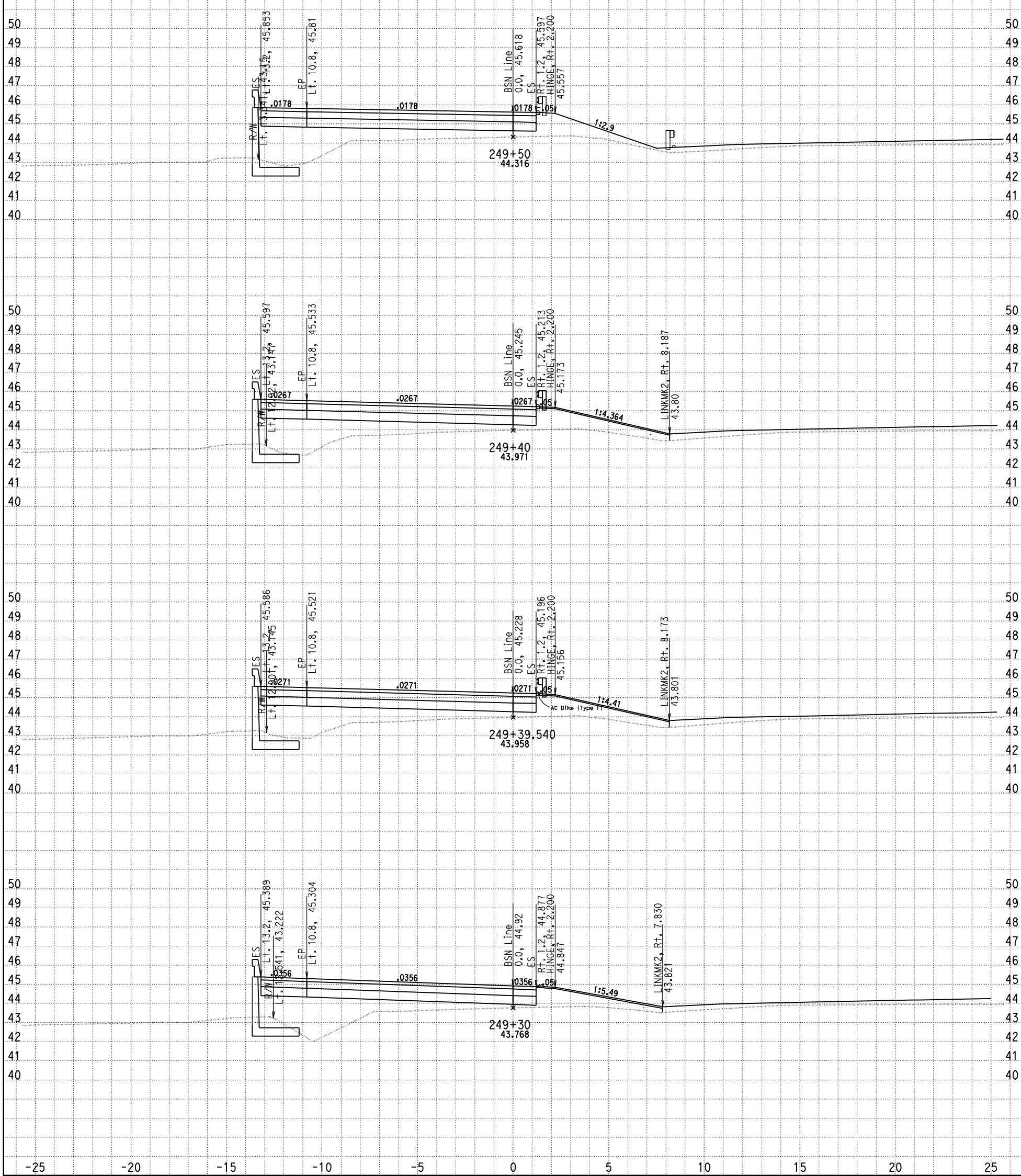
BSN Line

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\BSN\bsn-ditch-rwall2-dike-bh.ear

SHEET 2 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE IN METERS

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

34.9/47.2

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 3/27/2008

Scale Ratio: 1:100 Horiz.
1:100 Vert.

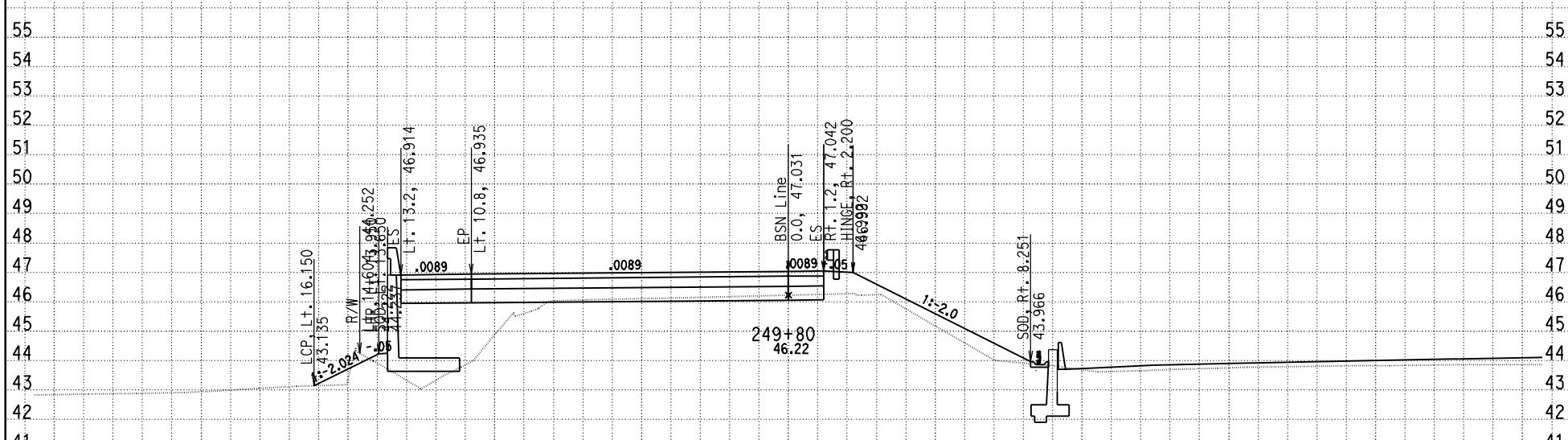
BSN Line

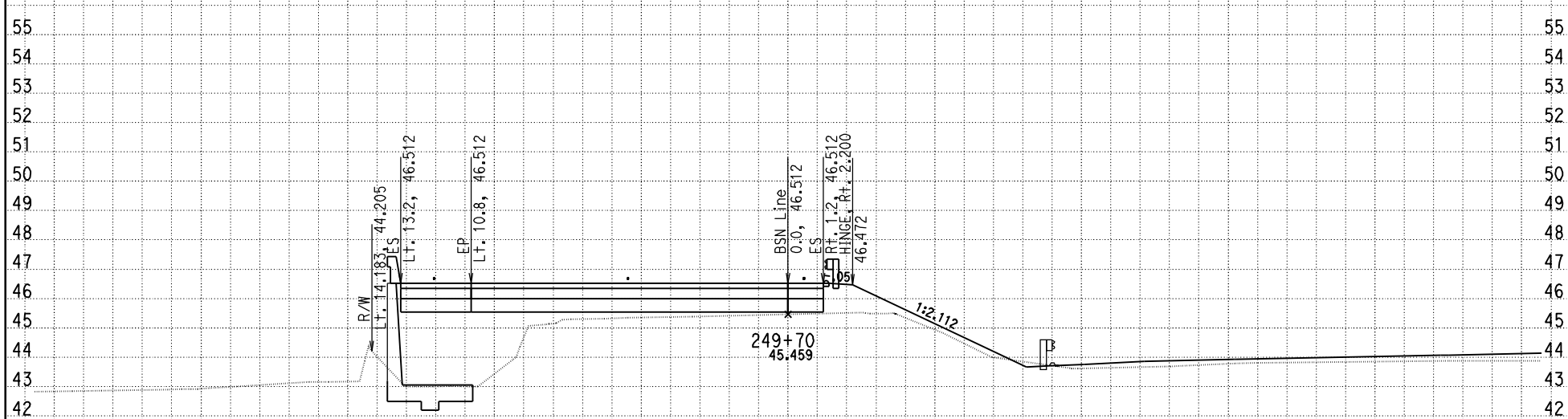
CROSS SECTIONS

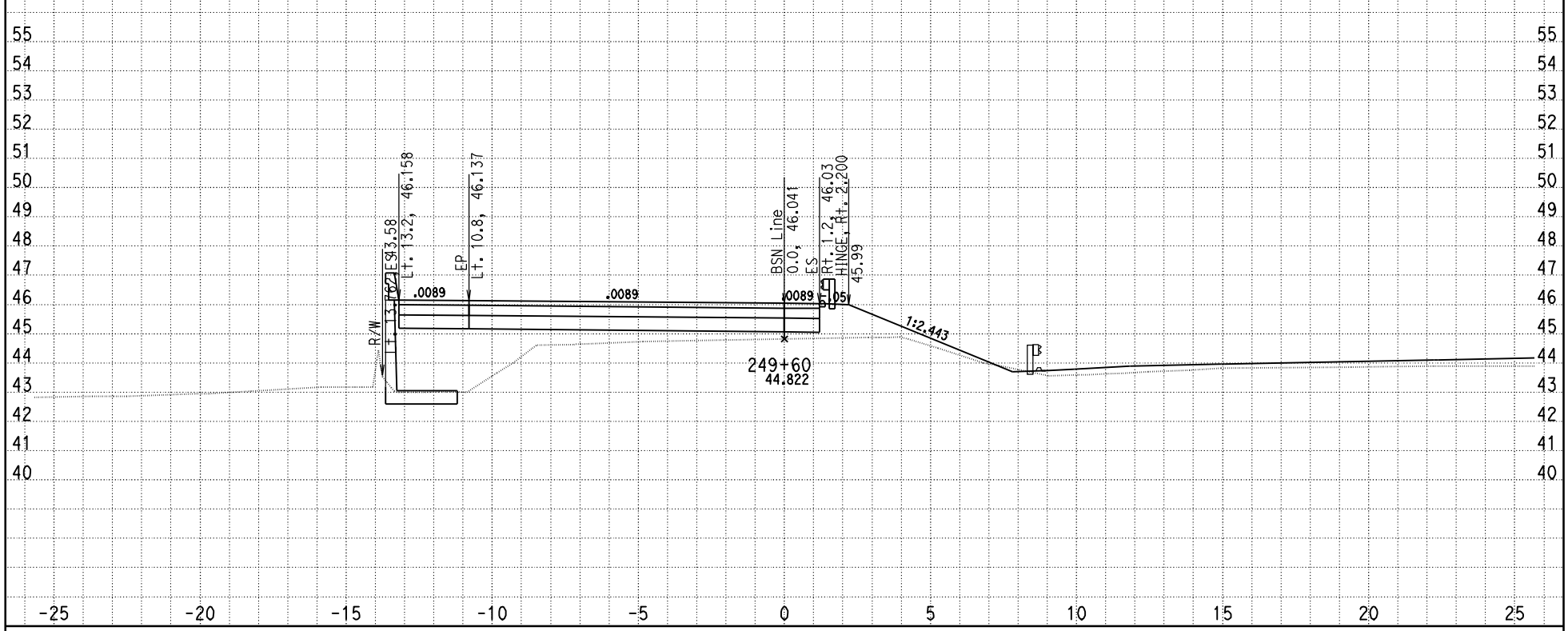
Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\BSN\bsn-ditch-rwall2-dike-bh.ear

SHEET 3 OF 7

DESIGN STUDY ONLY







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ALL DIMENSIONS ARE IN METERS

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

34.9/47.2

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 3/27/2008

Scale Ratio: 1:100 Horiz. 1:100 Vert.

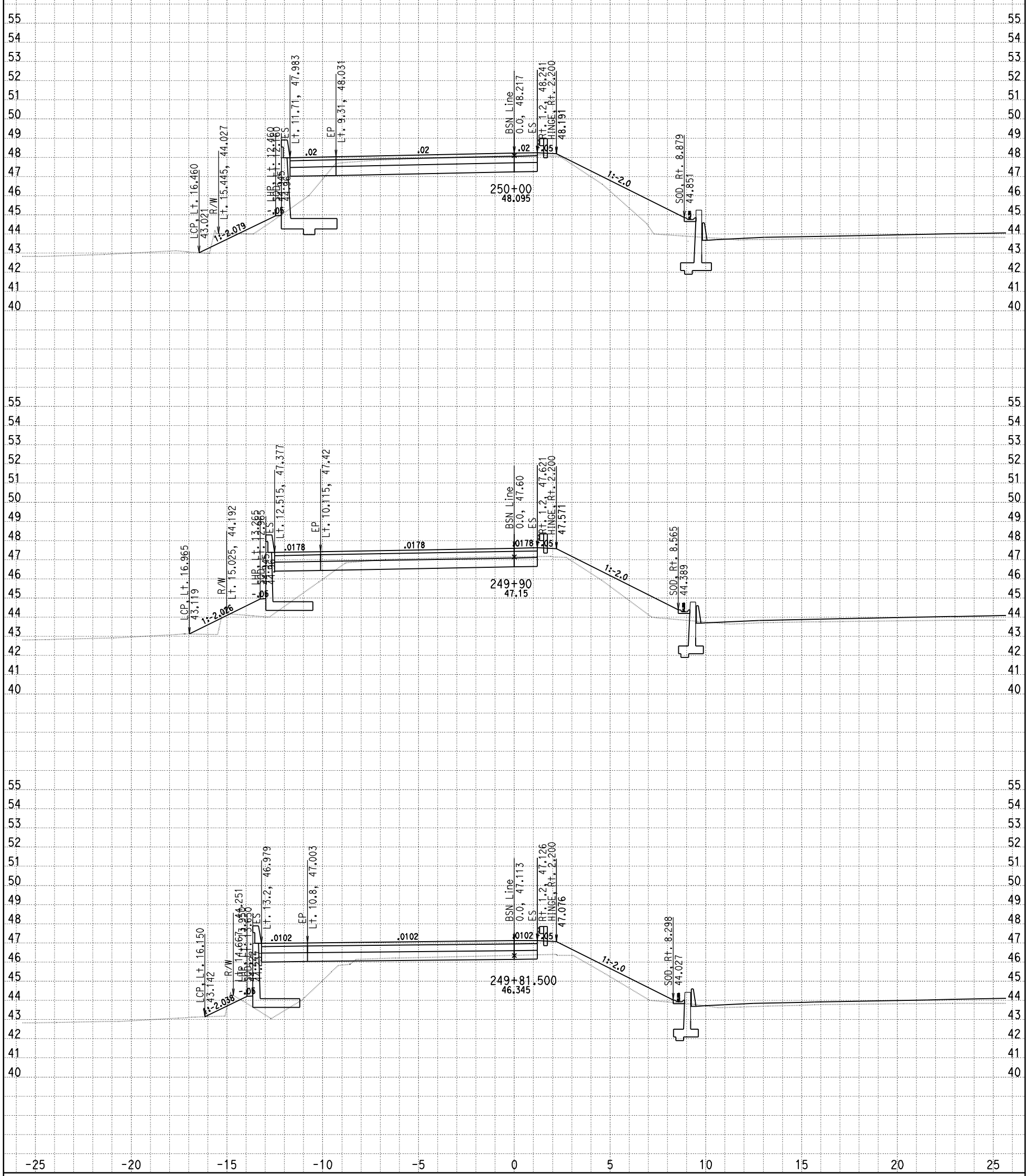
BSN Line

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\BSN\bsn-ditch-rwall2-dike-bh.ear

SHEET 4 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE IN METERS

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

34.9/47.2

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 3/27/2008

Scale Ratio: 1:100 Horiz.
1:100 Vert.

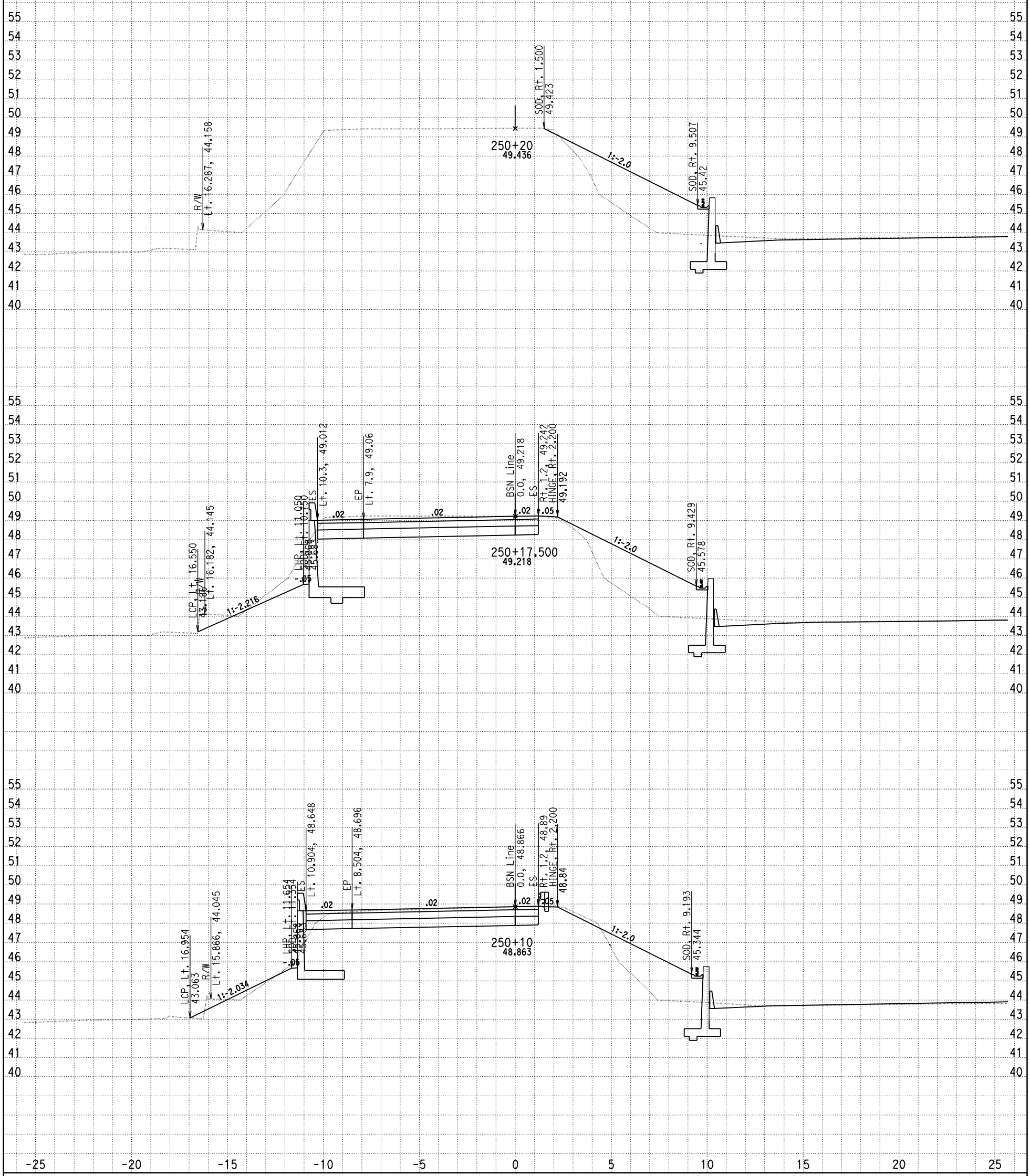
BSN Line

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\BSN\bsn-ditch-rwall2-dike-bh.ear

SHEET 5 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE IN METERS

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

34.9/47.2

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 3/27/2008

Scale Ratio: 1:100 Horiz. 1:100 Vert.

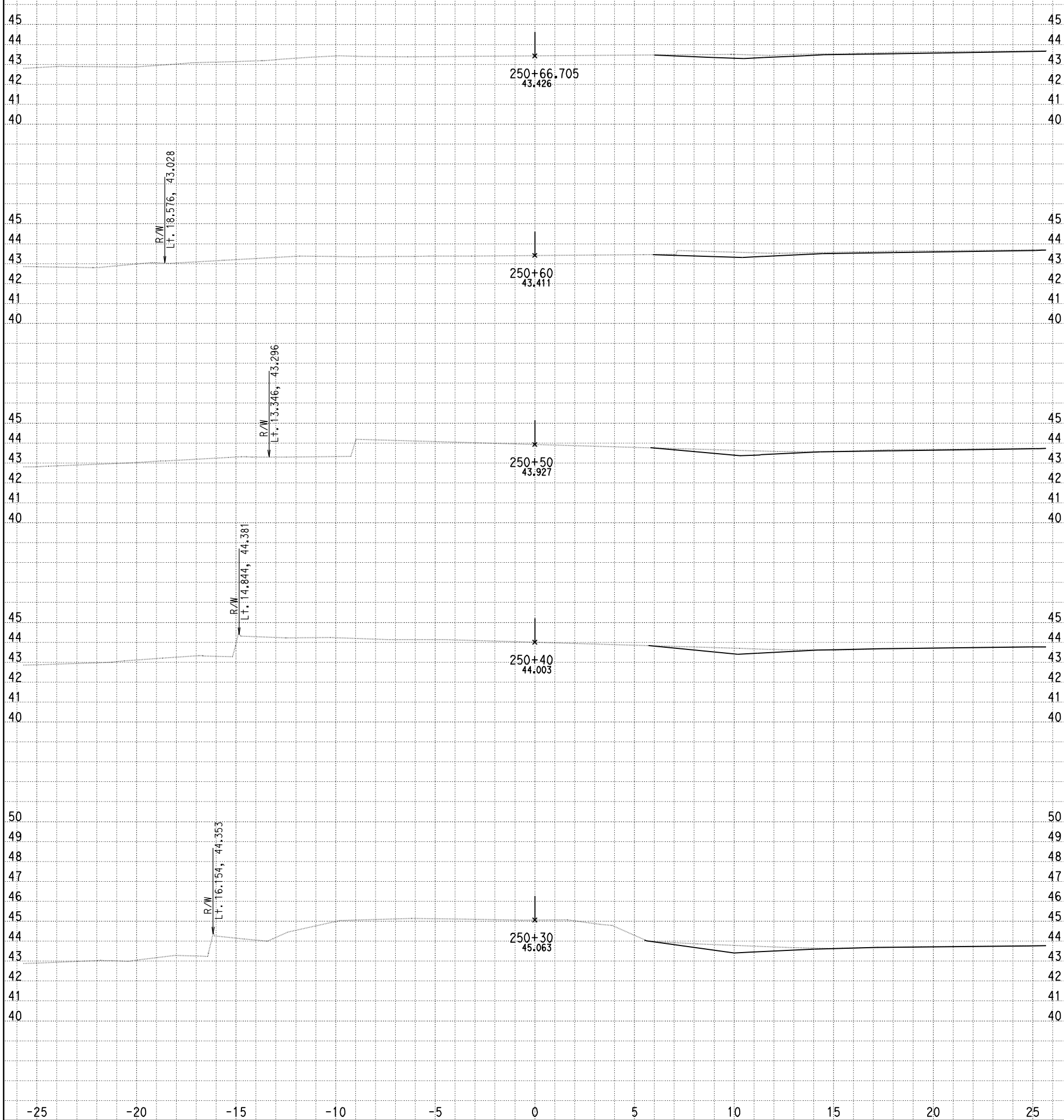
BSN Line

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\BSN\bsn-ditch-rwall2-dike-bh.ear

SHEET 6 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE IN METERS

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

34.9/47.2

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 3/27/2008

Scale Ratio: 1:100 Horiz.
1:100 Vert.

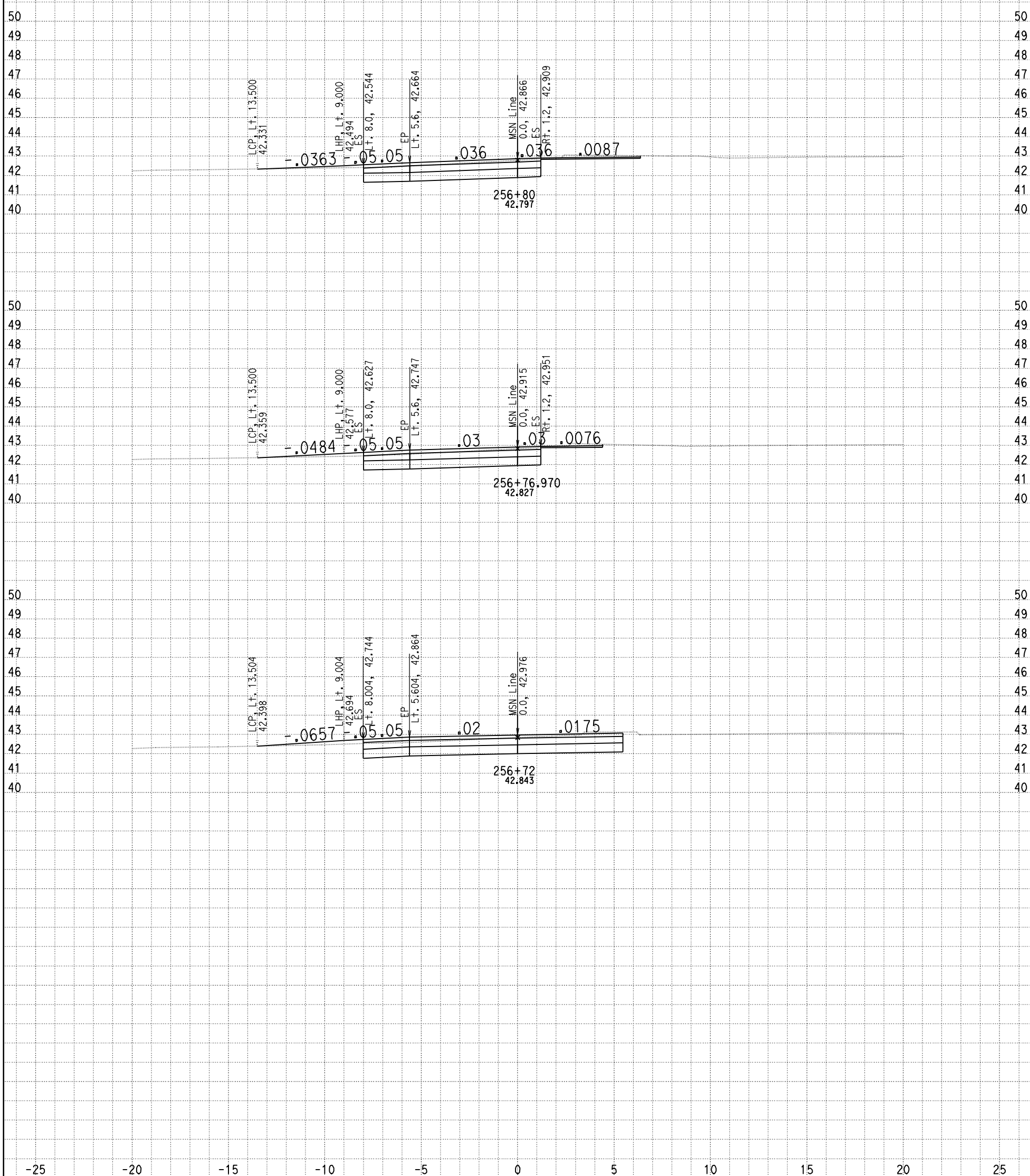
BSN Line

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\BSN\bsn-ditch-rwall2-dike-bh.ear

SHEET 7 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 HOV WIDENING

EA: 44770

CROSS SECTIONS CREATED BY: BH

DATE: 8/30/2007

34.9/47.2

Scale Ratio: 1:100 Horiz.
1:100 Vert.

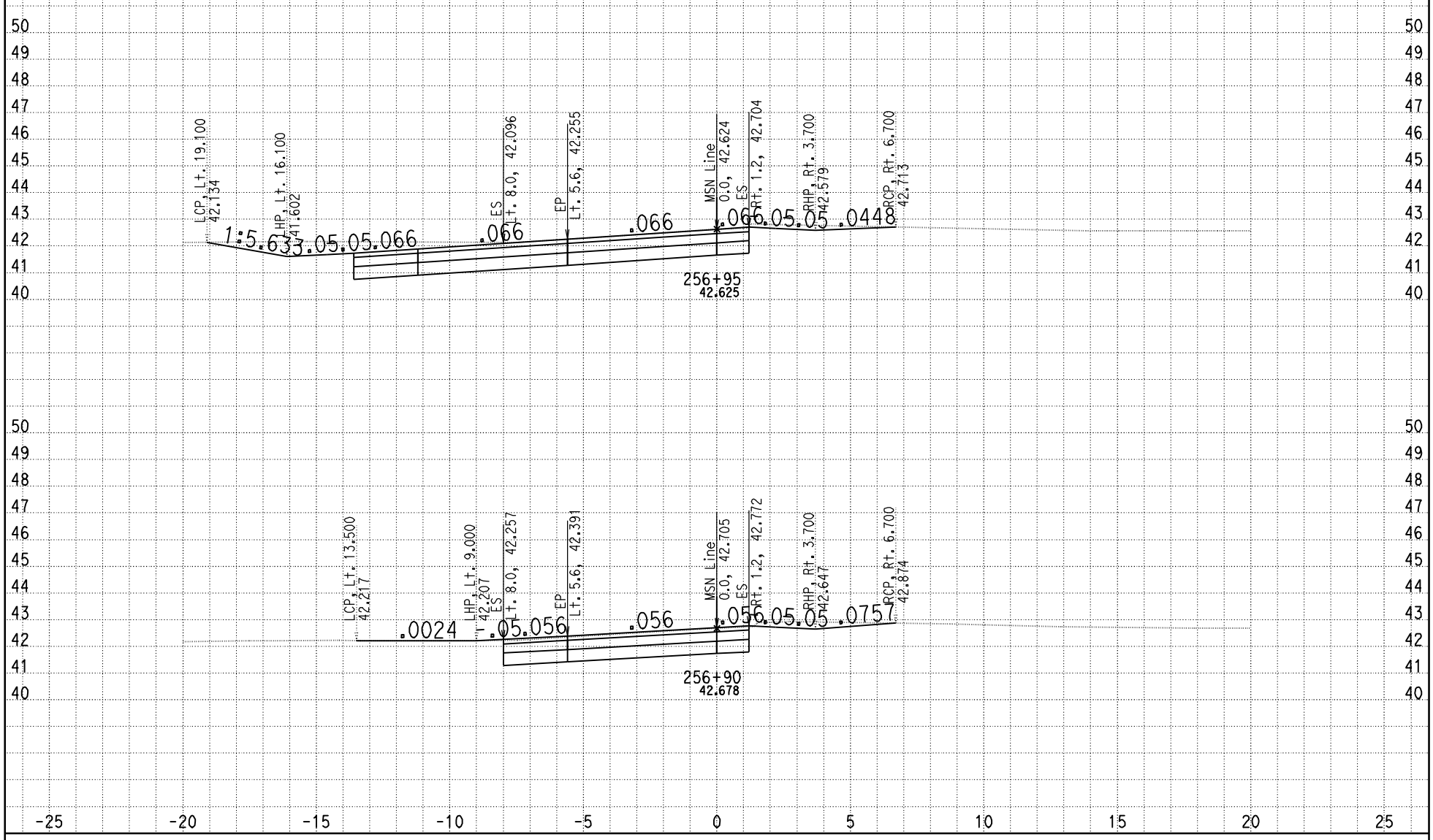
AMSNCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\MSN XSect\msn-sdh-ditch.ear

SHEET 1 OF 2

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 HOV WIDENING

EA: 44770

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/30/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

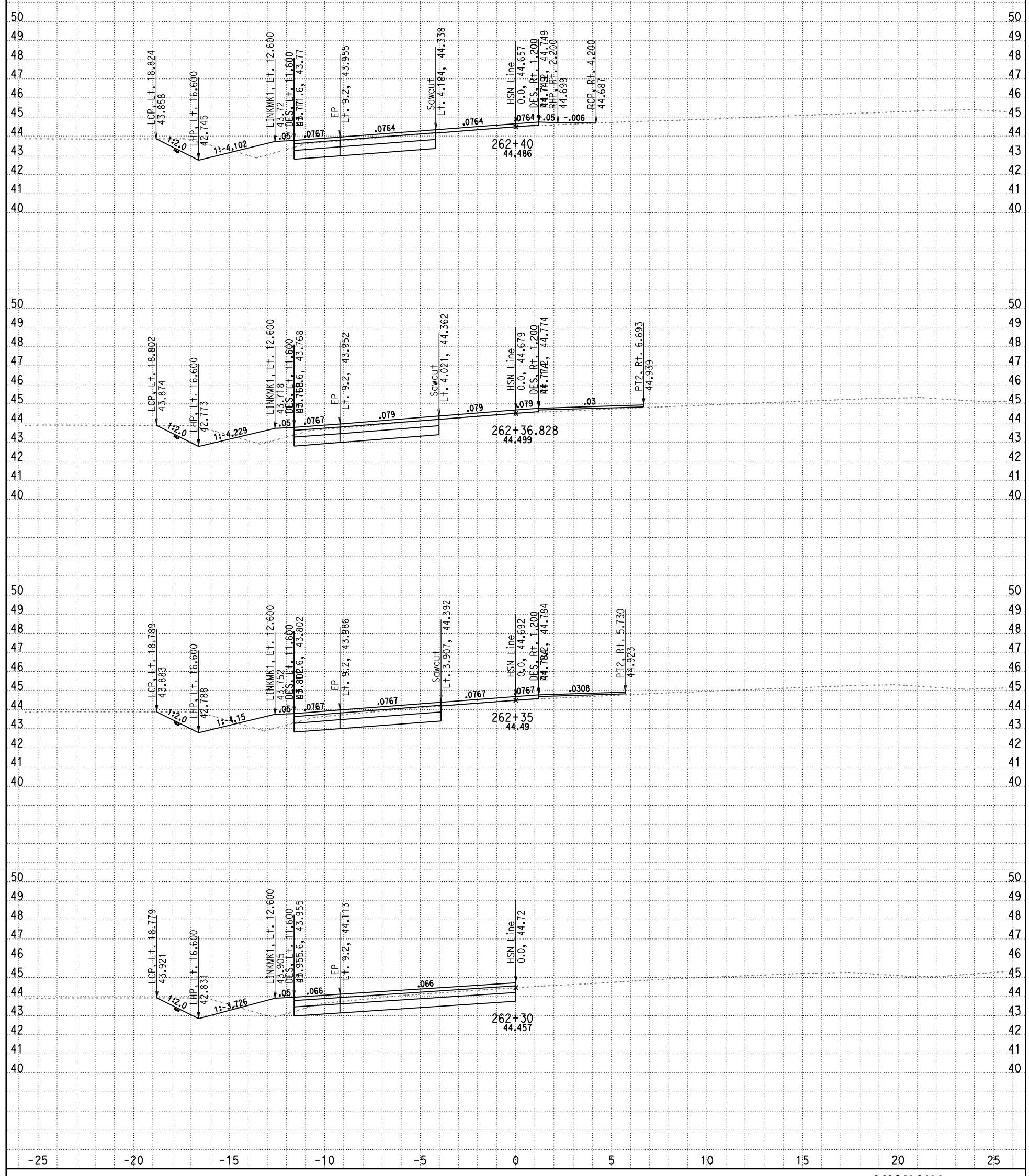
AMSNCN1

CROSS SECTIONS

SHEET 2 OF 2

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\MSN XSect\msn-sdh-ditch.ear

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/30/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

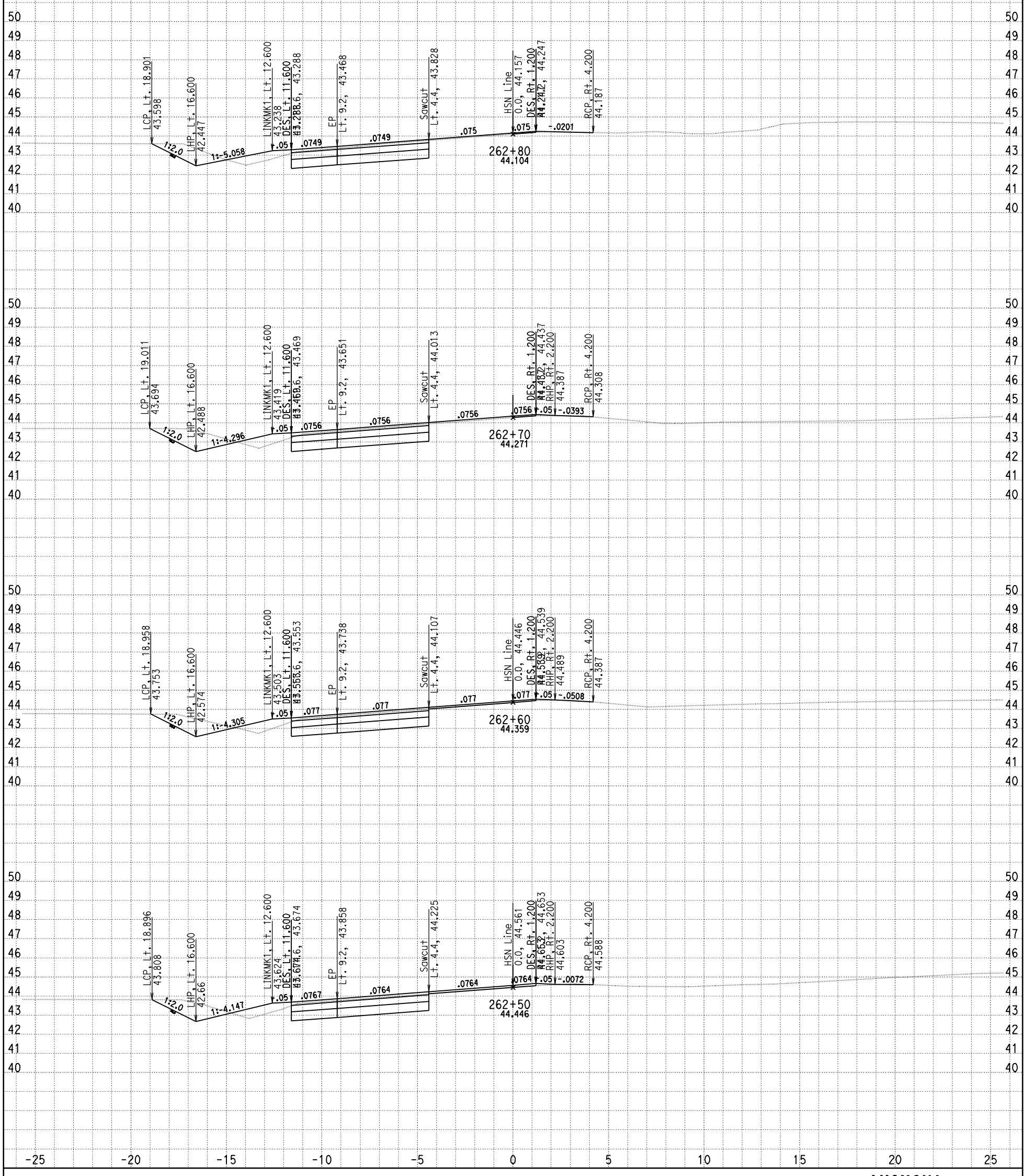
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\HSN XSect\hsn-sdh-ditch.ear

AHSNCN1

CROSS SECTIONS

SHEET 1 OF 4

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

AHSNCN1

CROSS SECTIONS CREATED BY: BH

DATE: 8/30/2007

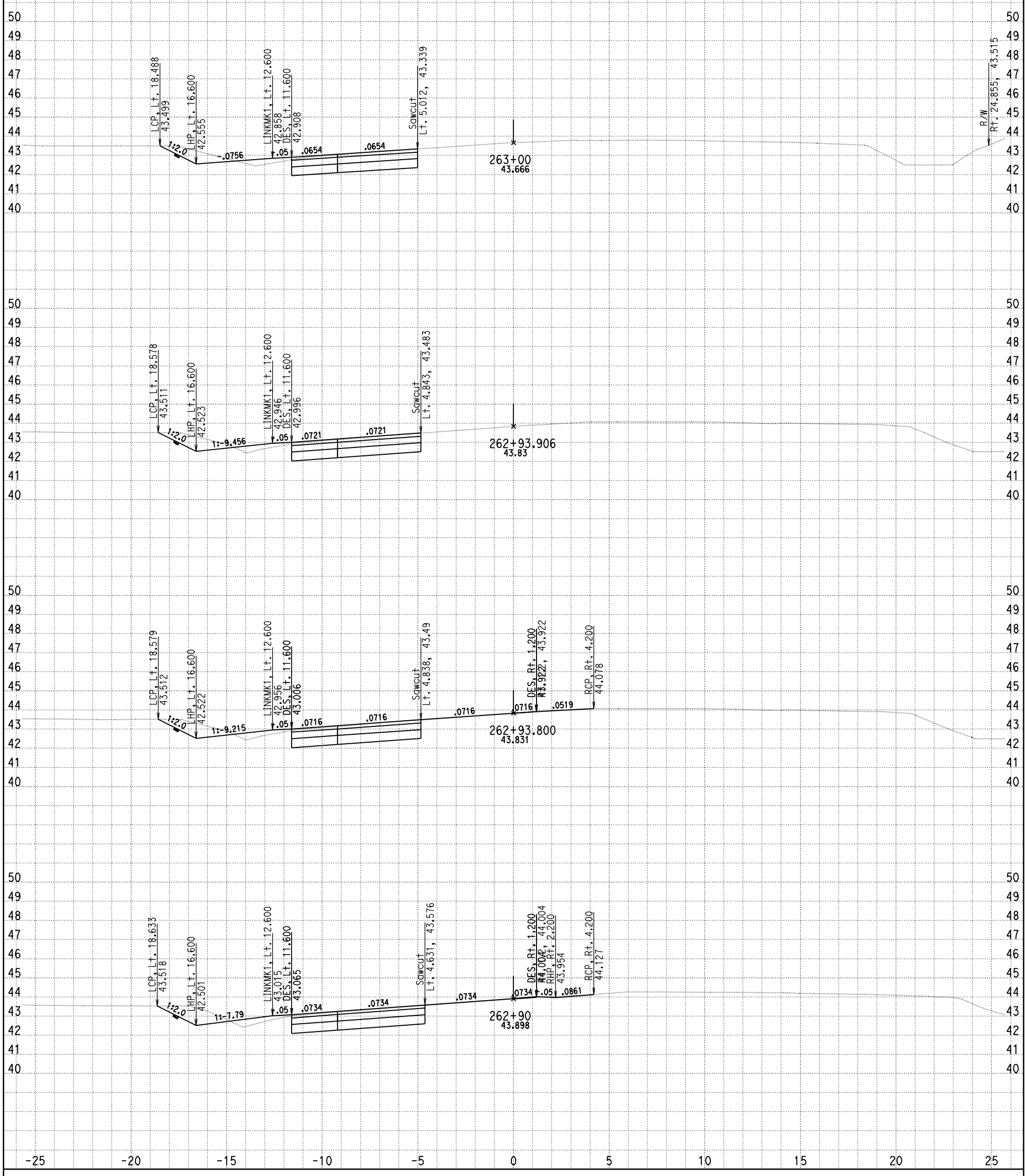
CROSS SECTIONS

Scale Ratio: 1:100 Horiz.
1:100 Vert.

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\HSN XSect\hsn-sdh-ditch.ear

SHEET 2 OF 4

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/30/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

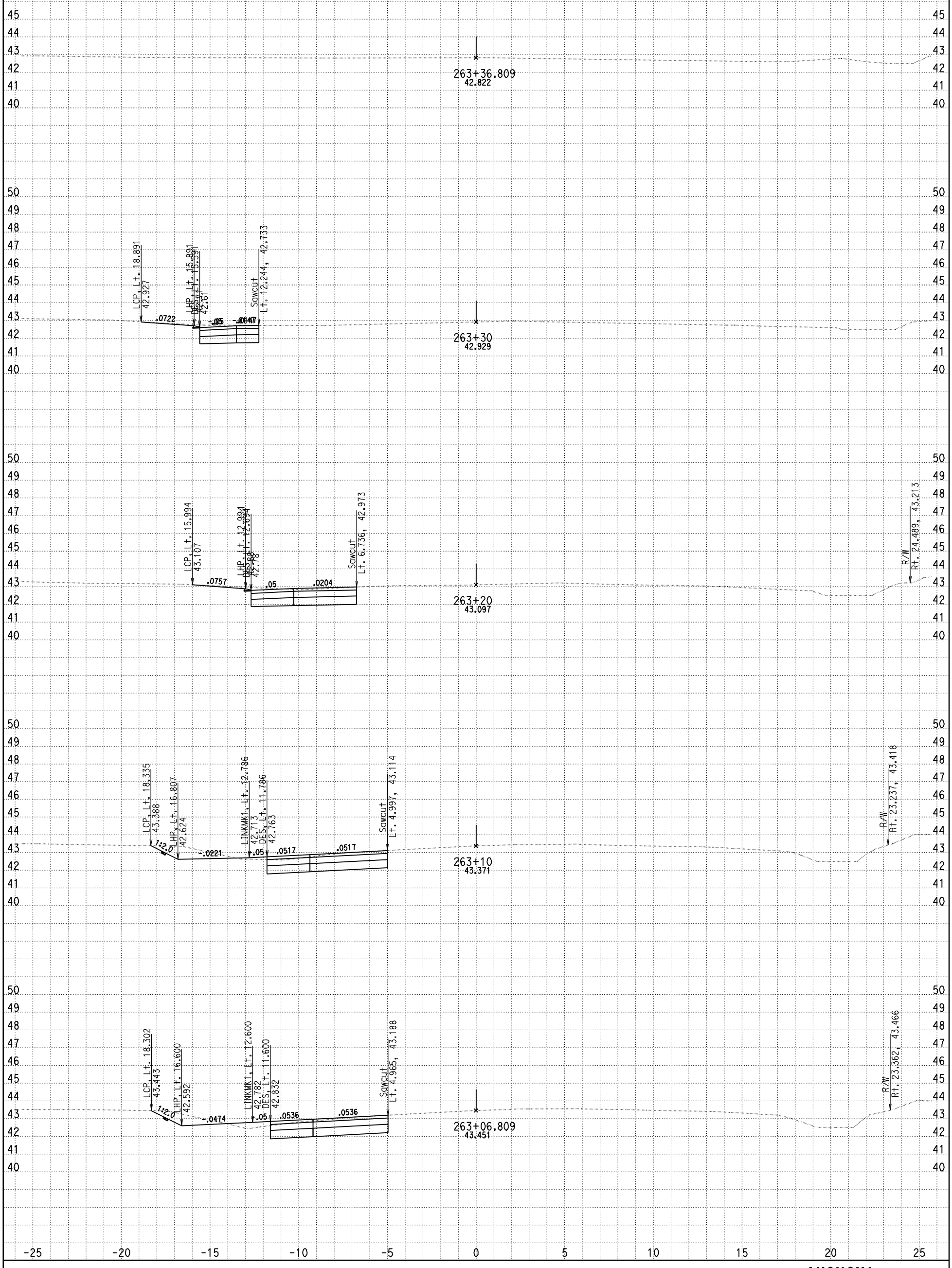
AHSNCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\HSN XSect\hsn-sdh-ditch.ear

SHEET 3 OF 4

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/30/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

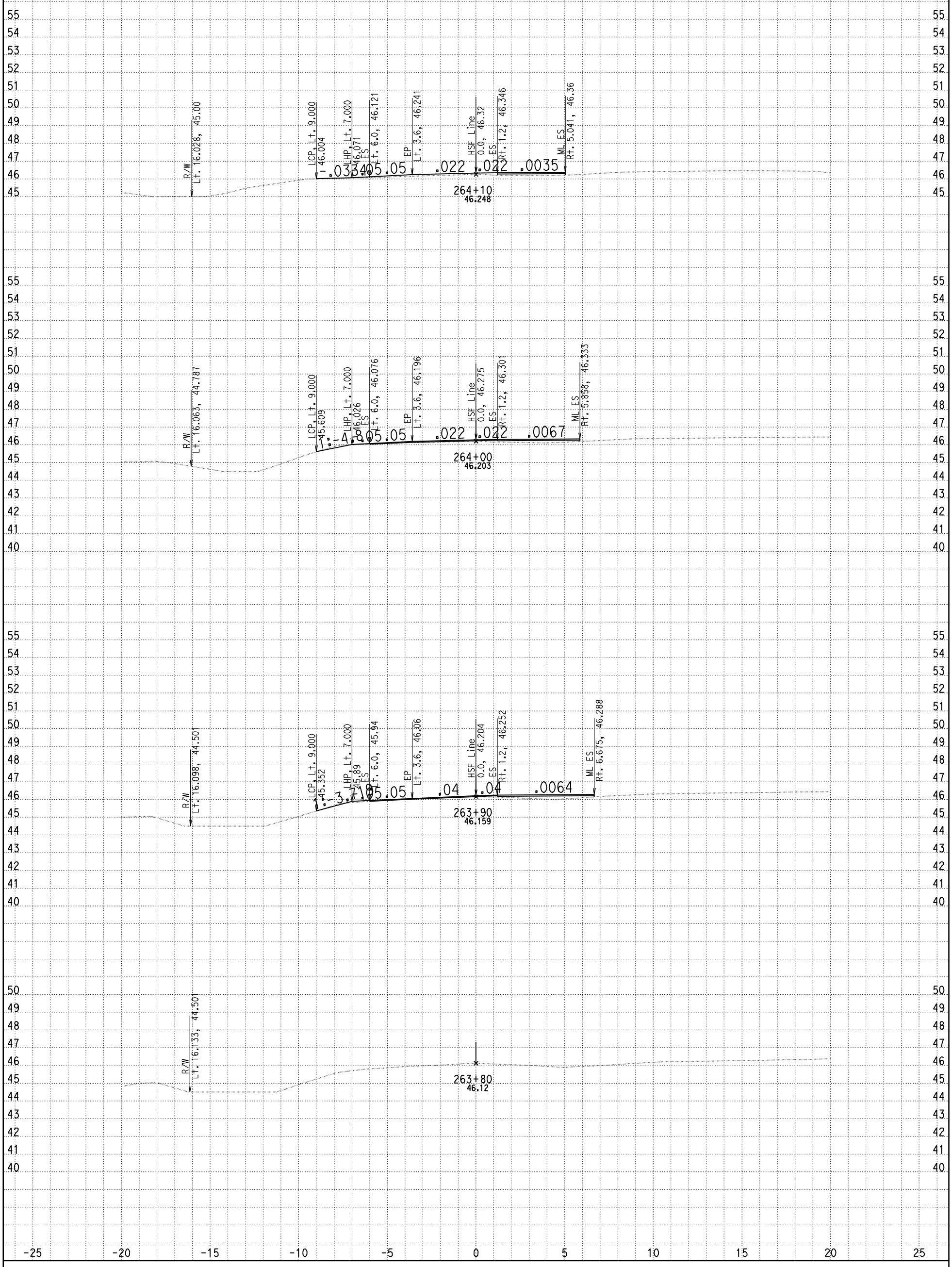
AHSNCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\HSN XSect\hsn-sdh-ditch.ear

SHEET 4 OF 4

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: SDH

DATE: 8/30/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

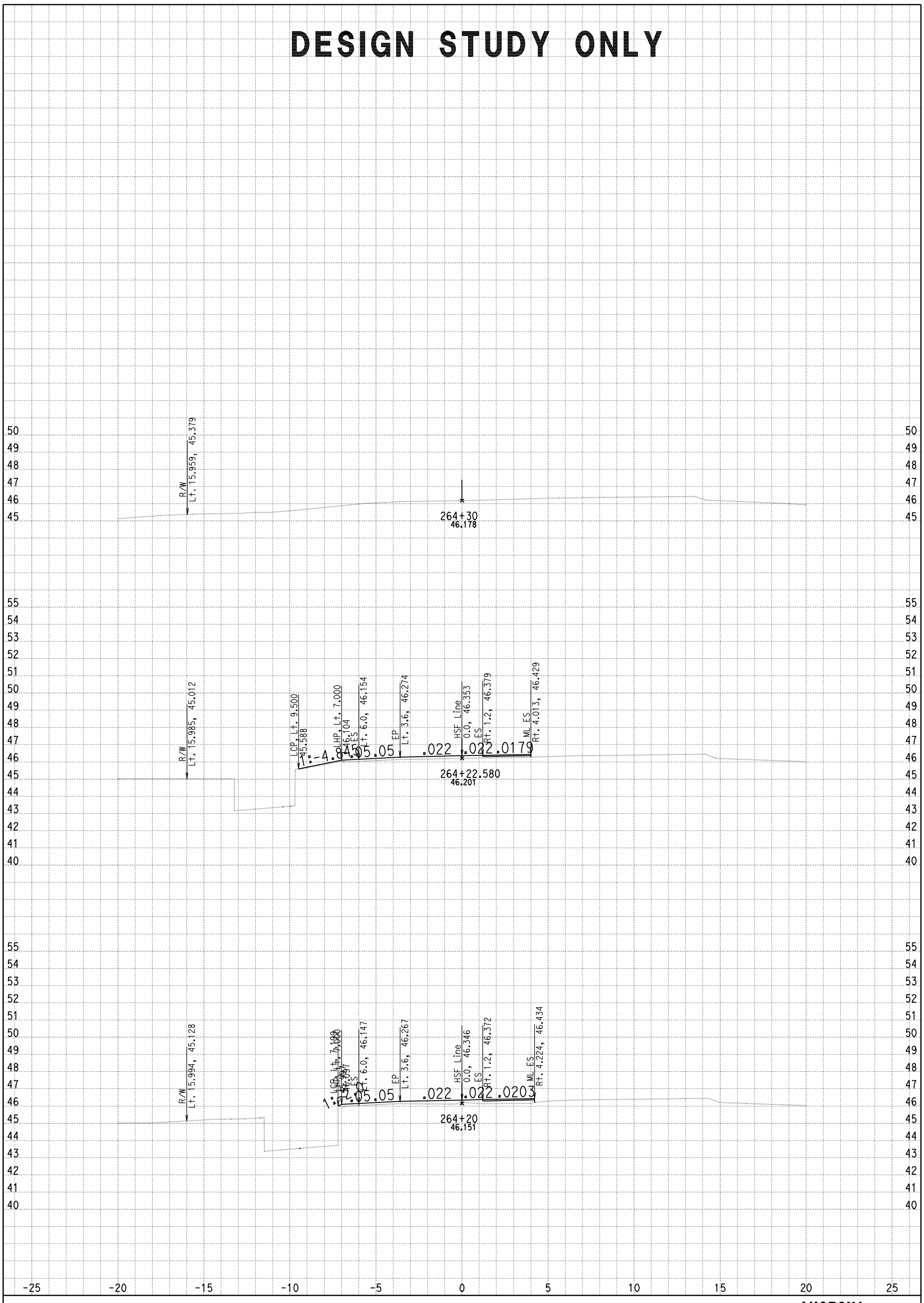
AHSFCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\HSF XSect\hsf-sdh-ditch.ear

SHEET 1 OF 2

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: SDH

DATE: 8/30/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

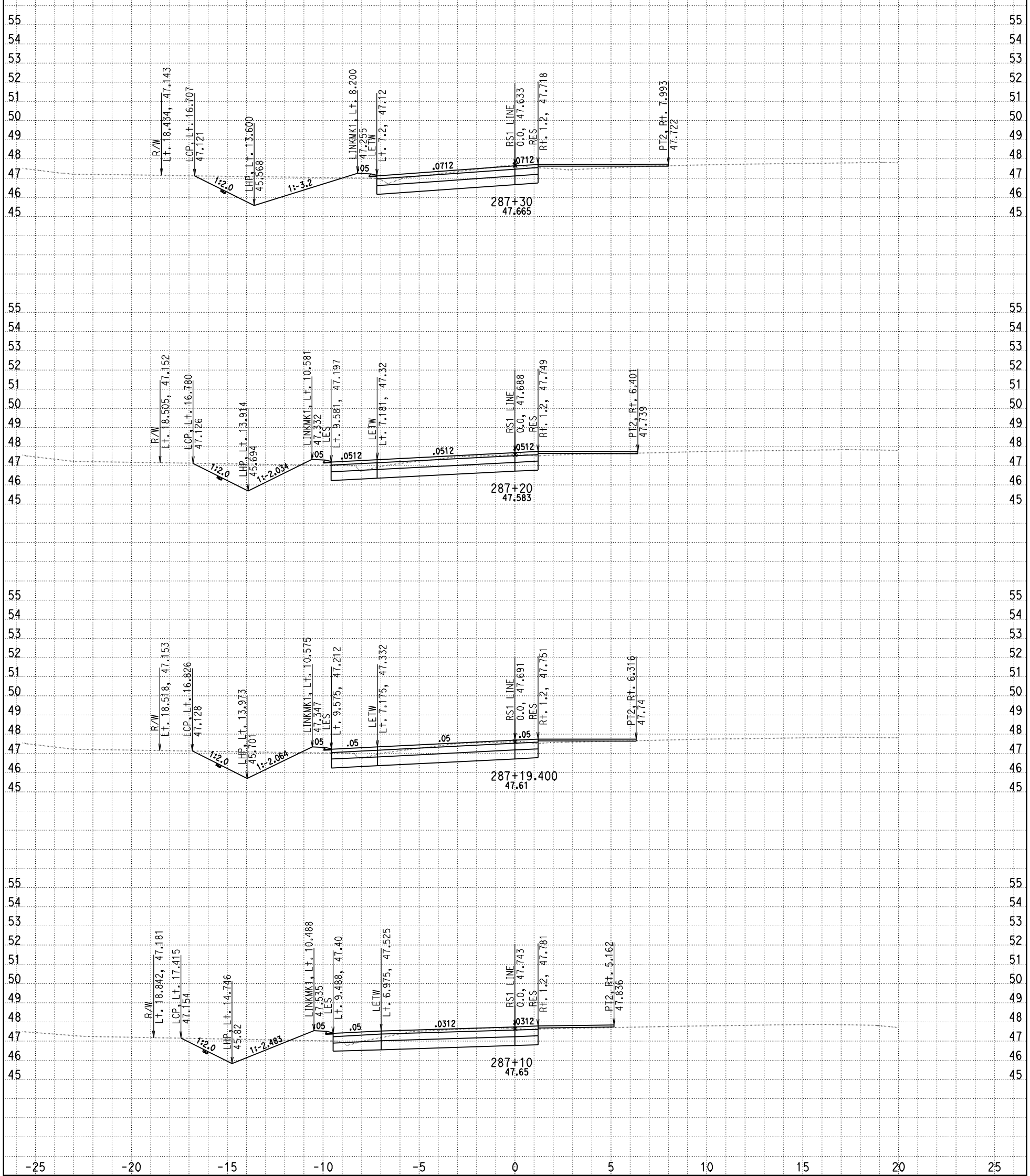
AHSFCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\HSF XSect\hsf-sdh-ditch.ear

SHEET 2 OF 2

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

35.6/47.7

Scale Ratio: 1:100 Horiz.
1:100 Vert.

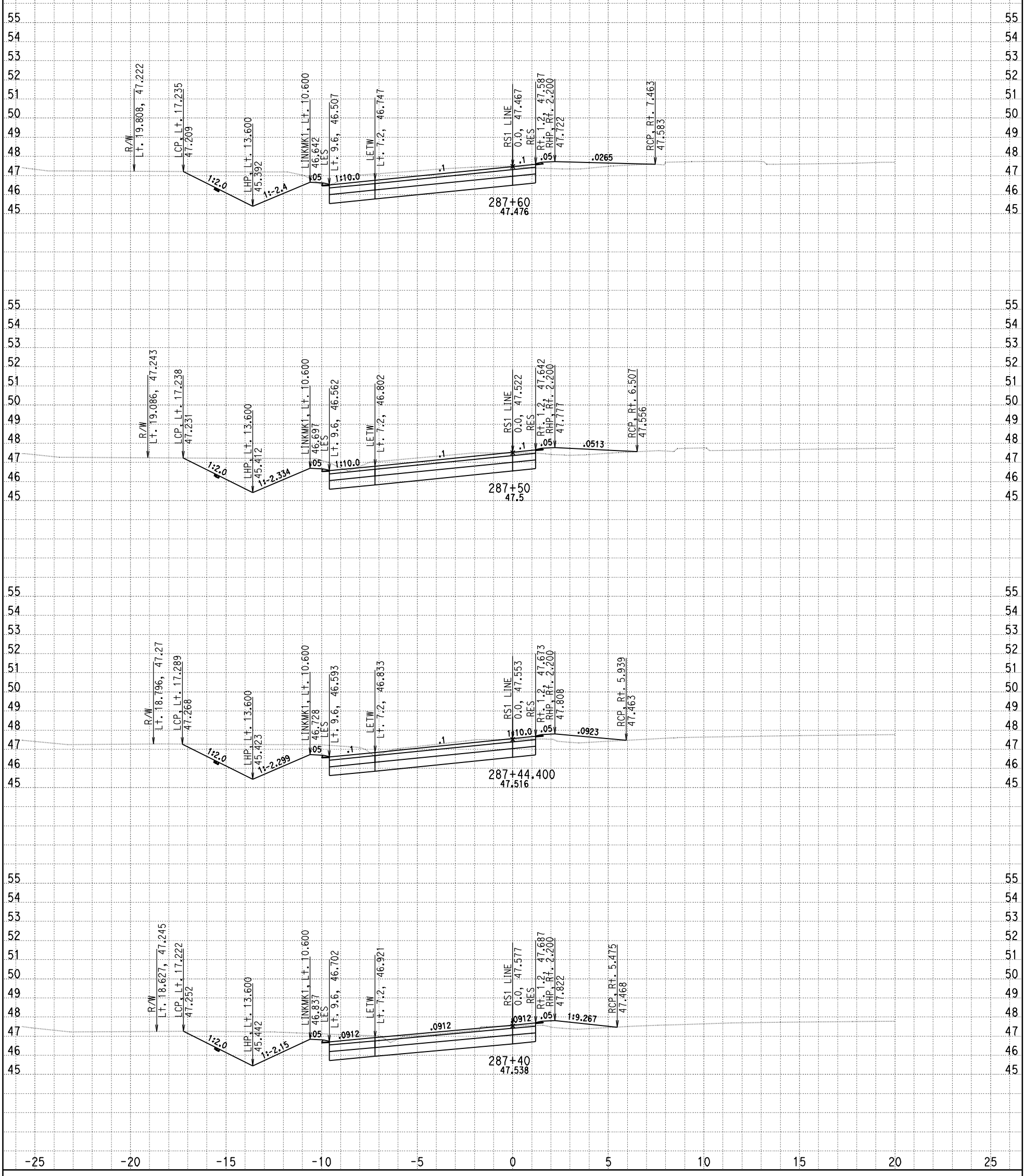
RS1 LINE

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

SHEET 1 OF 13

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

35.6/47.7

Scale Ratio: 1:100 Horiz.
1:100 Vert.

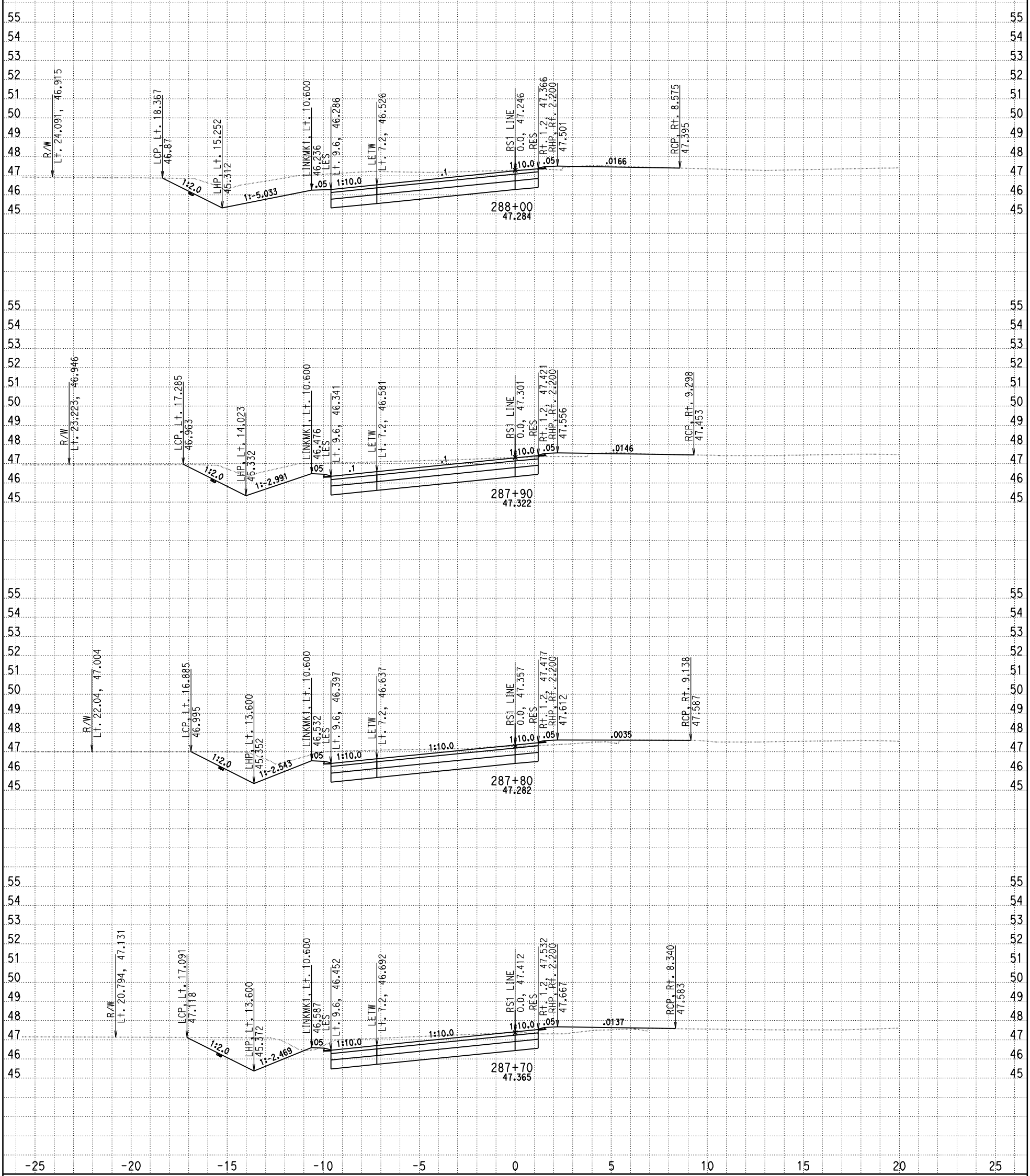
RS1 LINE

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

SHEET 2 OF 13

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

35.6/47.7

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

Scale Ratio: 1:100 Horiz.
1:100 Vert.

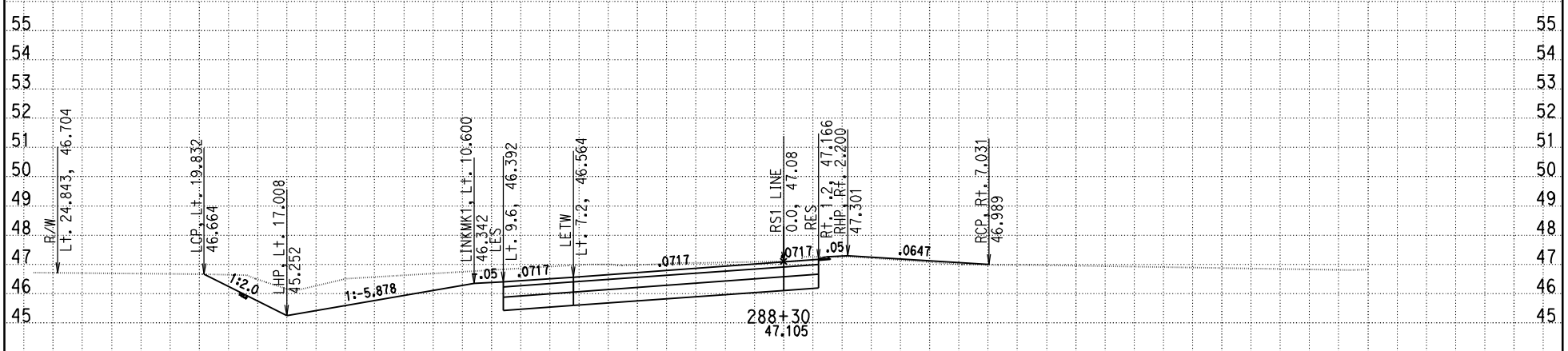
RS1 LINE

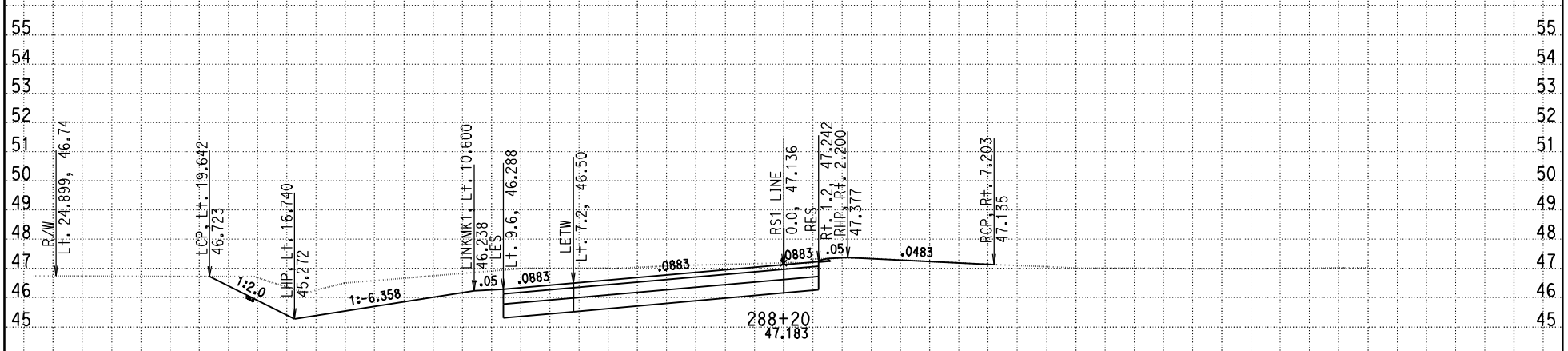
CROSS SECTIONS

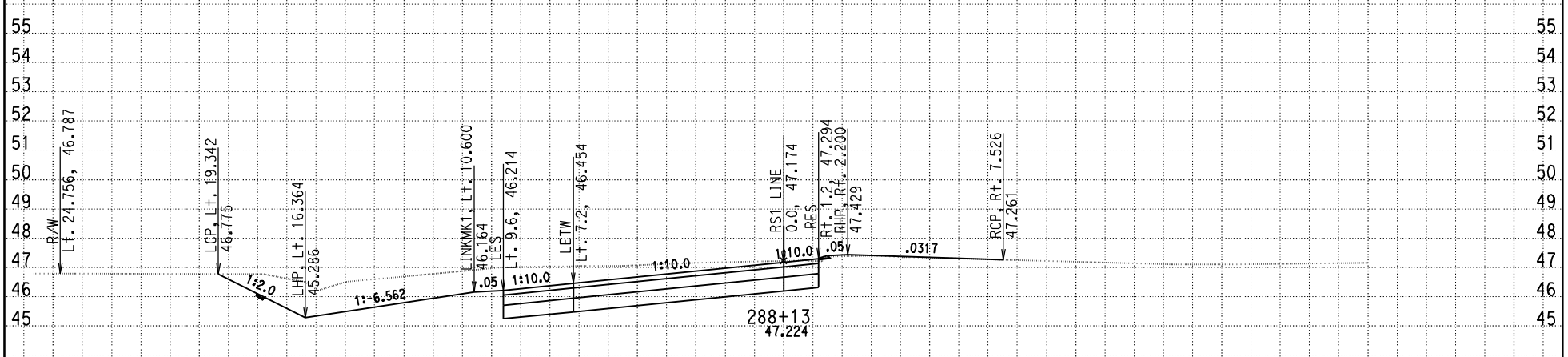
Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

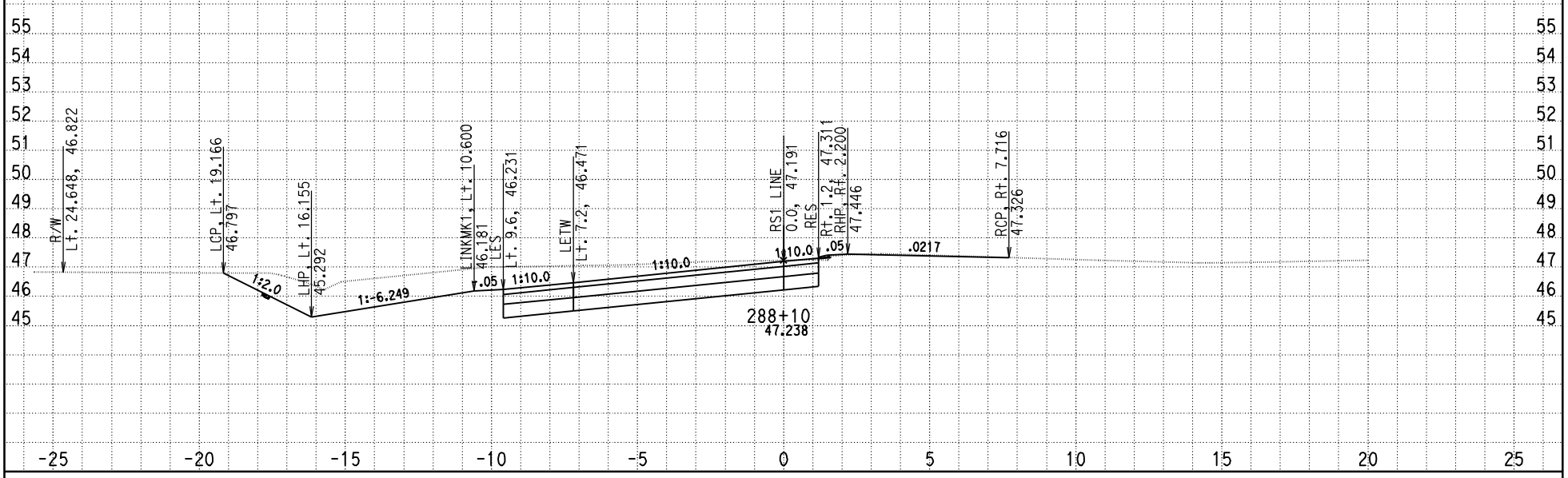
SHEET 3 OF 13

DESIGN STUDY ONLY









ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

35.6/47.7

Scale Ratio: 1:100 Horiz.
1:100 Vert.

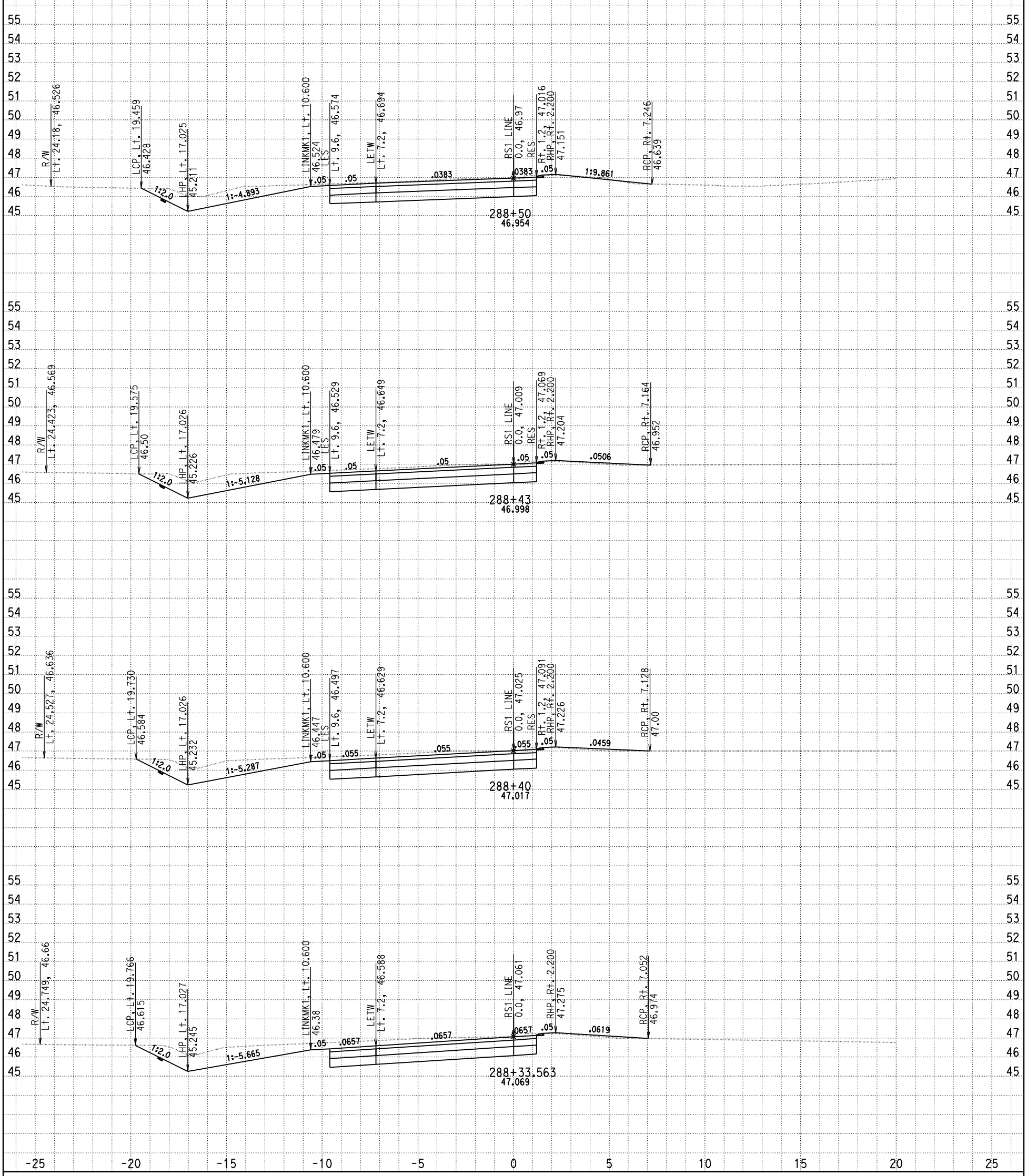
RS1 LINE

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

SHEET 4 OF 13

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

35.6/47.7

Scale Ratio: 1:100 Horiz.
1:100 Vert.

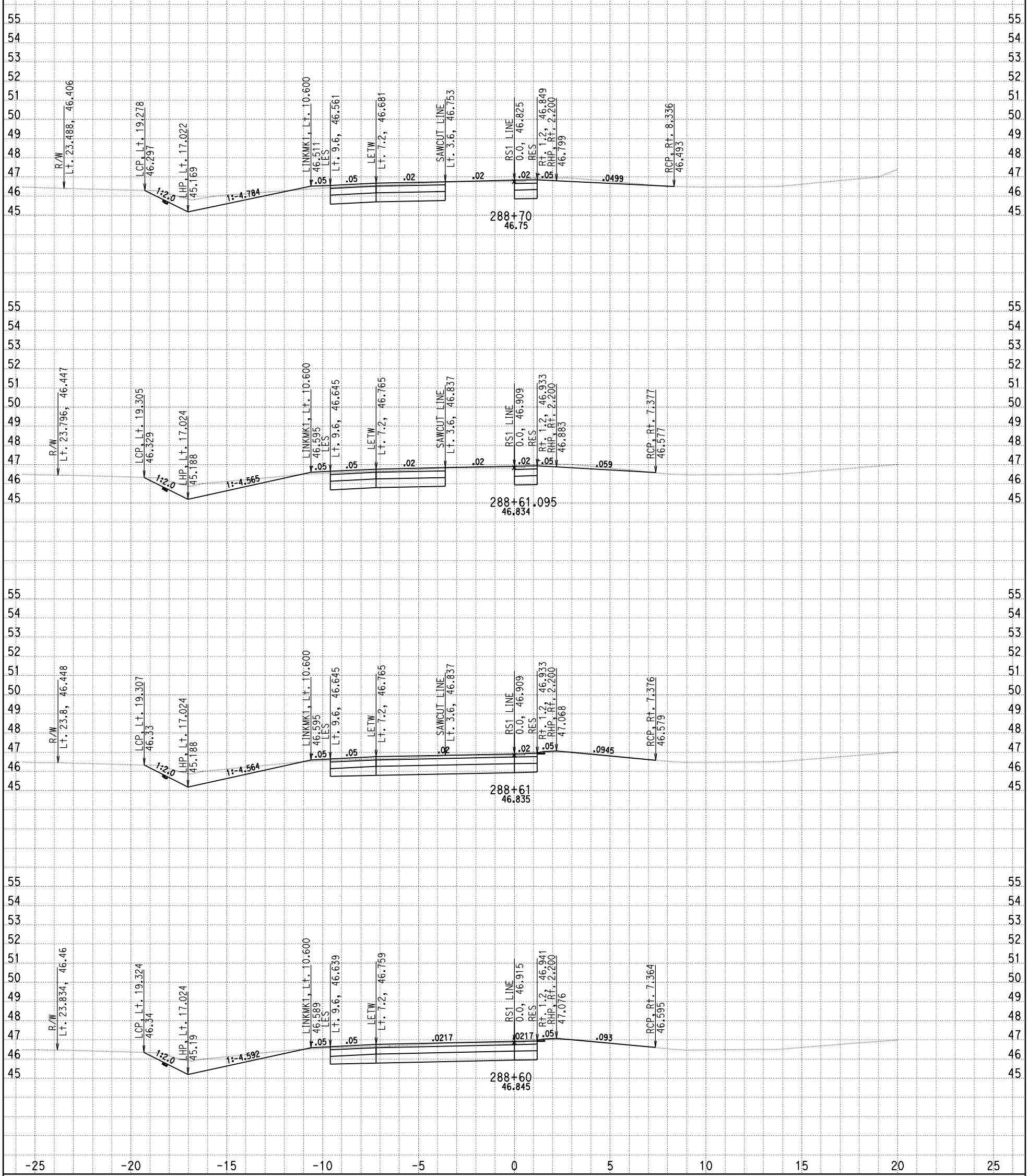
RS1 LINE

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

SHEET 5 OF 13

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

35.6/47.7

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

Scale Ratio: 1:100 Horiz.
1:100 Vert.

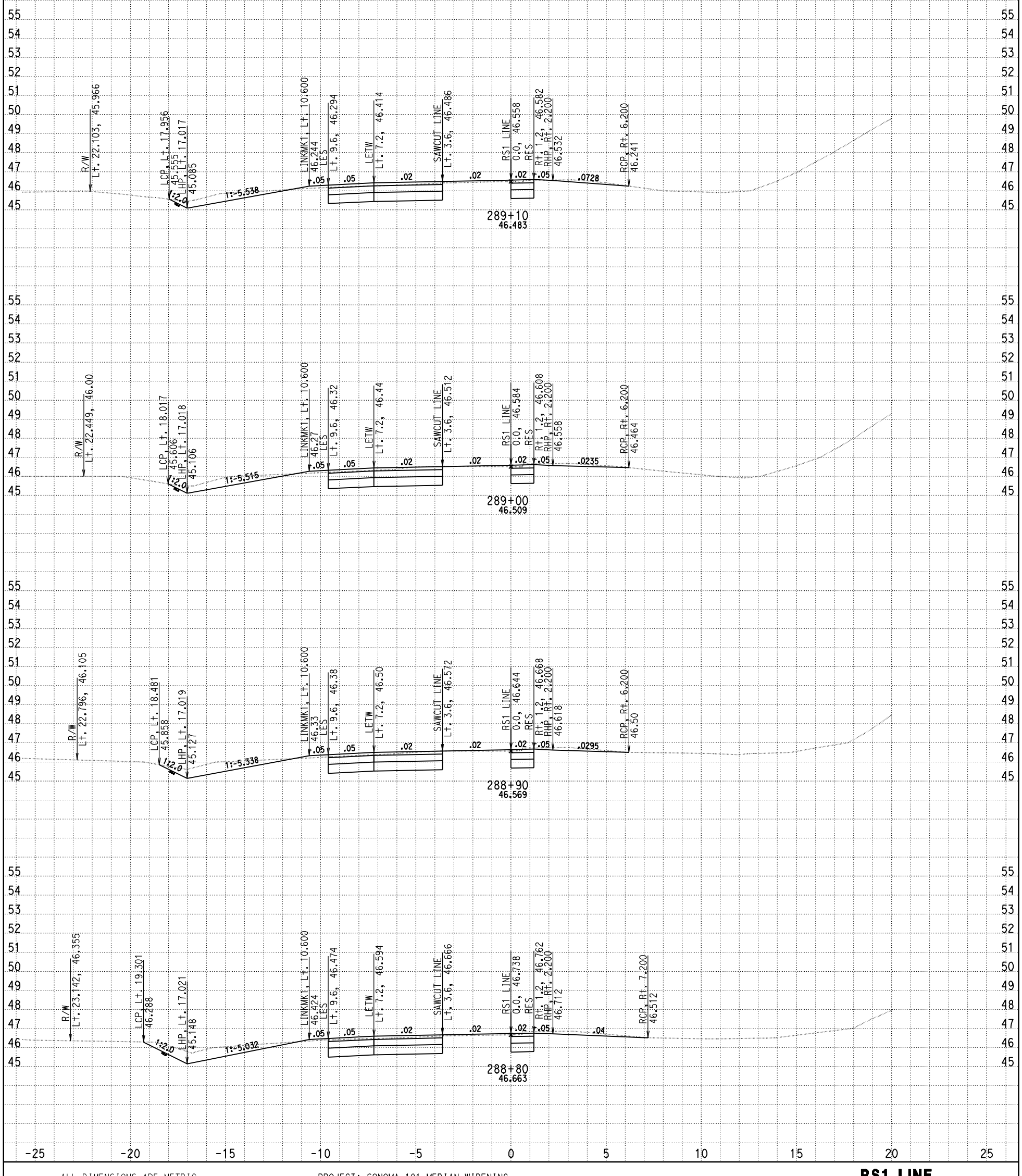
RS1 LINE

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

SHEET 6 OF 13

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

35.6/47.7

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

Scale Ratio: 1:100 Horiz. 1:100 Vert.

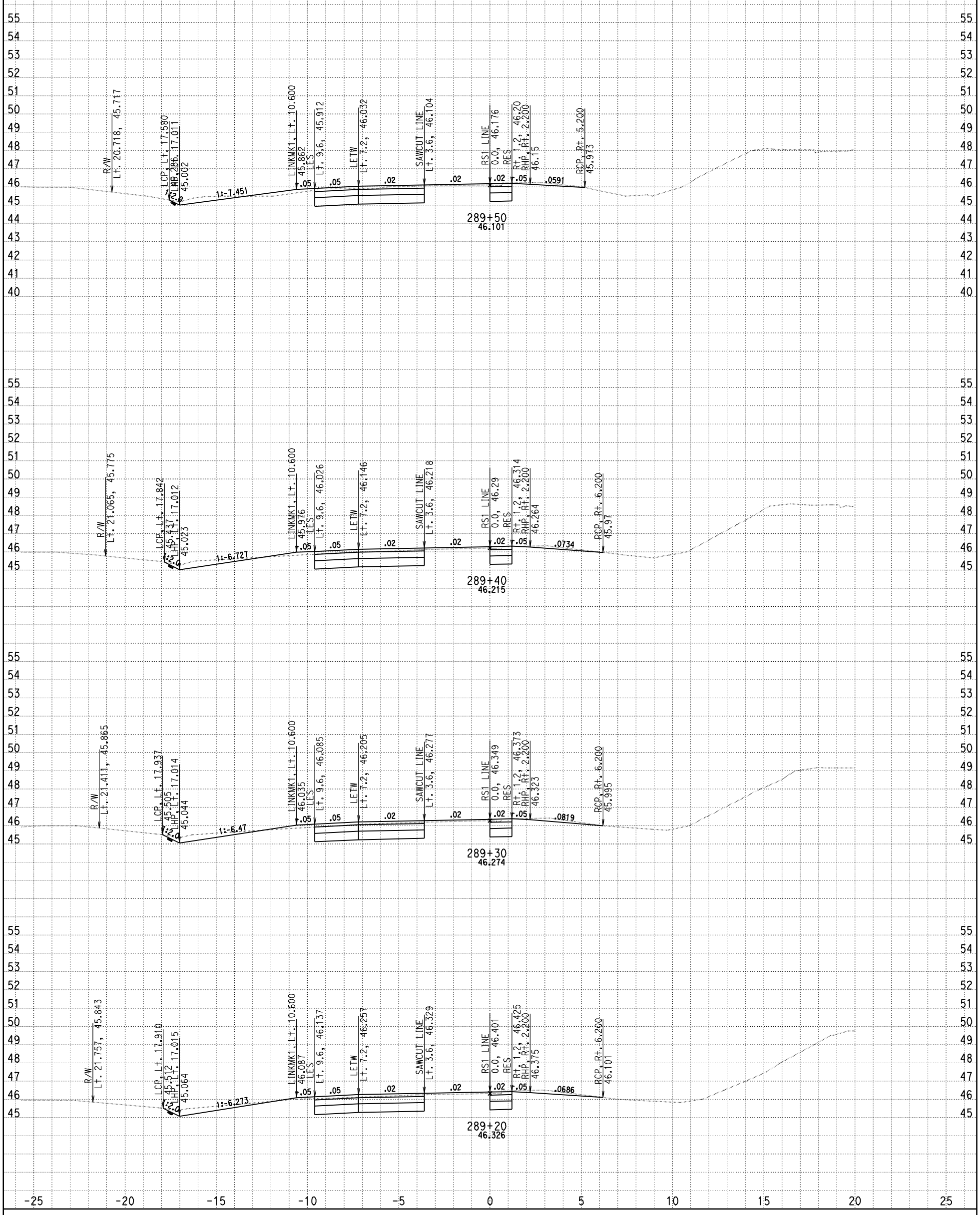
RS1 LINE

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

SHEET 7 OF 13

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

35.6/47.7

Scale Ratio: 1:100 Horiz.
1:100 Vert.

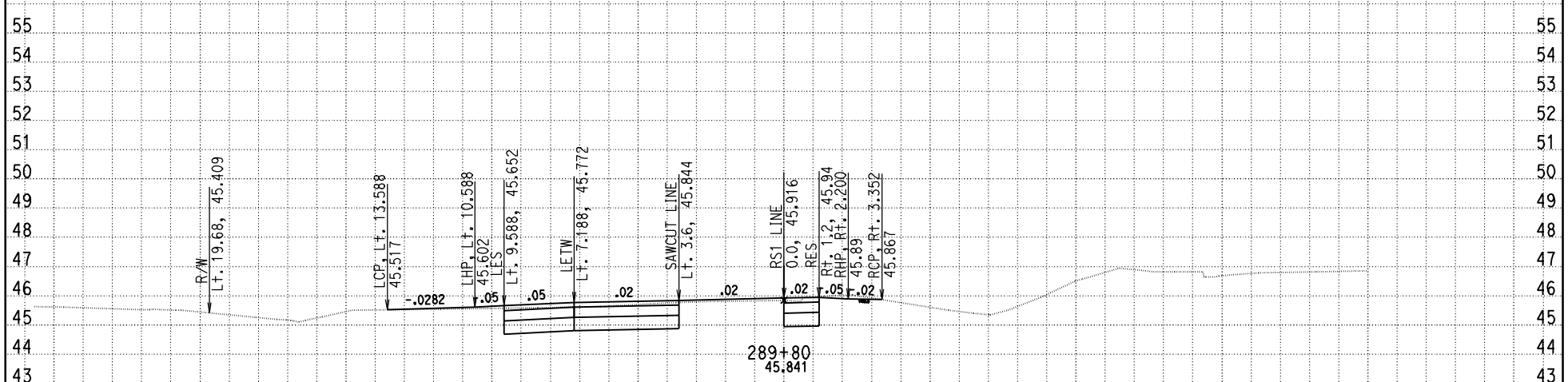
RS1 LINE

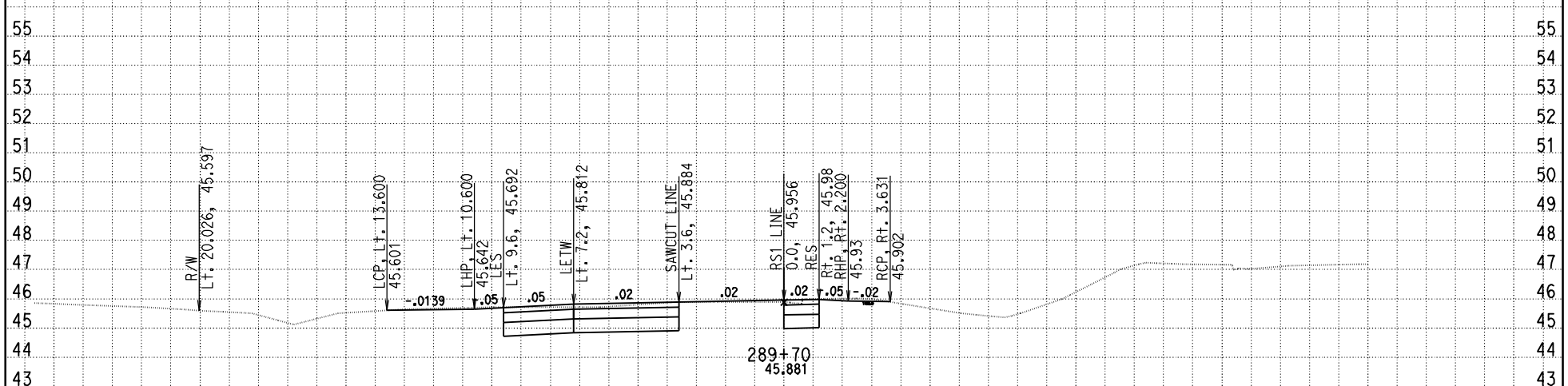
CROSS SECTIONS

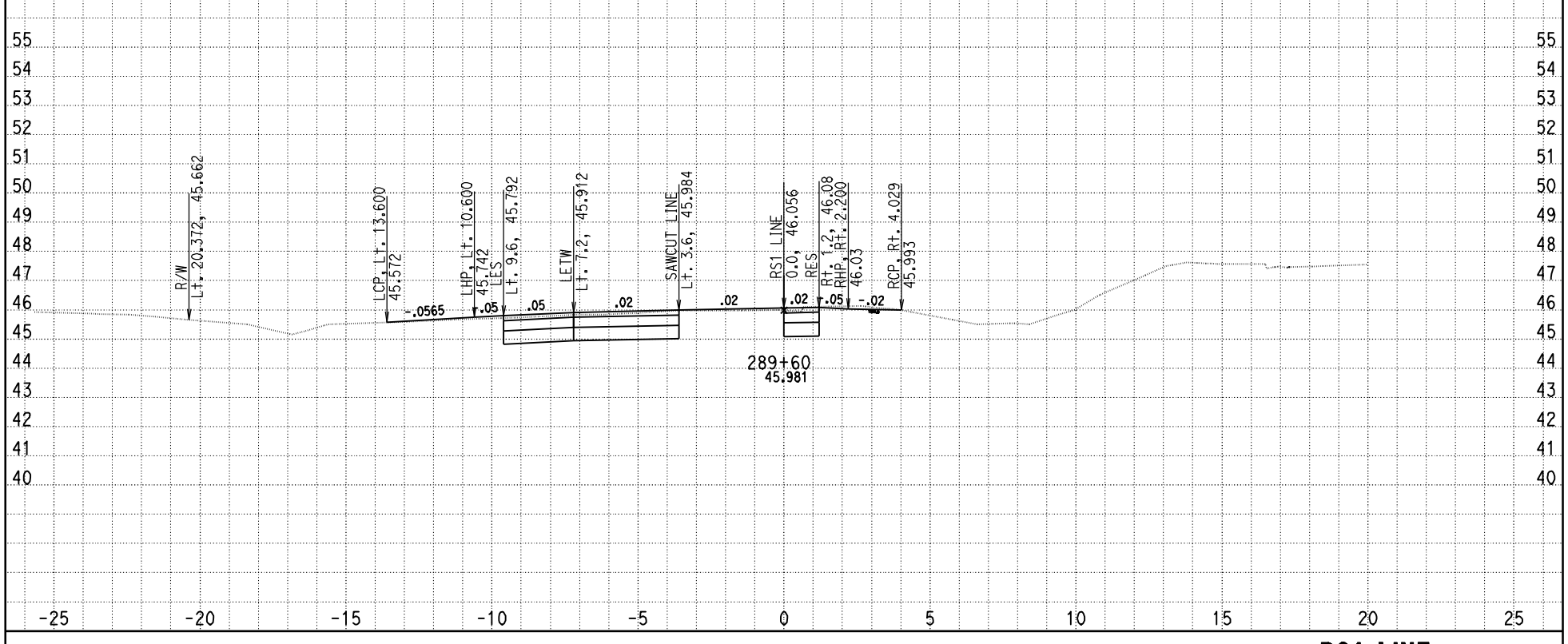
Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

SHEET 8 OF 13

DESIGN STUDY ONLY







ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

35.6/47.7

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

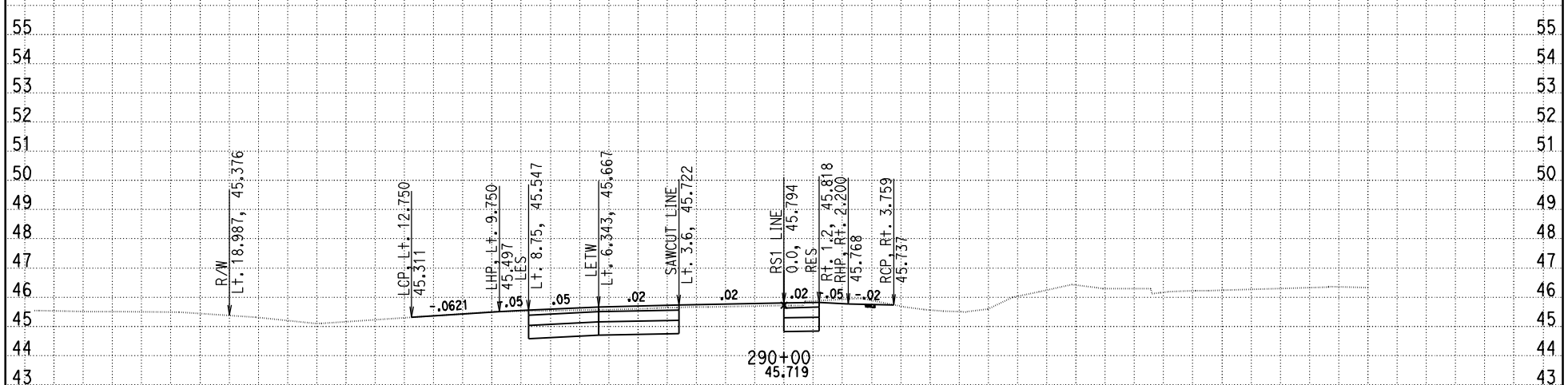
RS1 LINE

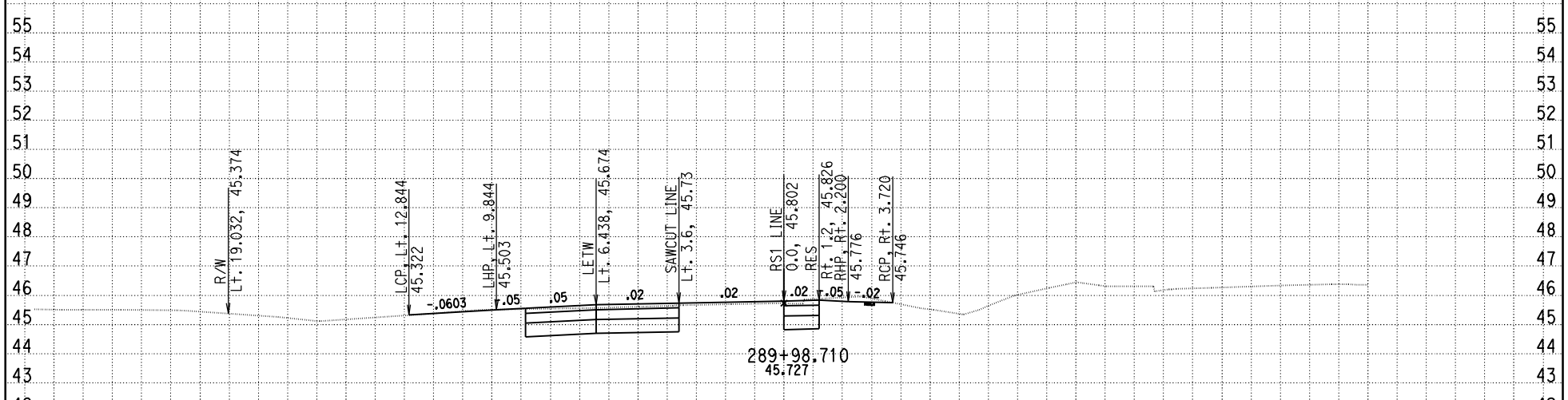
CROSS SECTIONS

Scale Ratio: 1:100 Horiz.
1:100 Vert.

SHEET 9 OF 13

DESIGN STUDY ONLY





ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

35.6/47.7

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

Scale Ratio: 1:100 Horiz. 1:100 Vert.

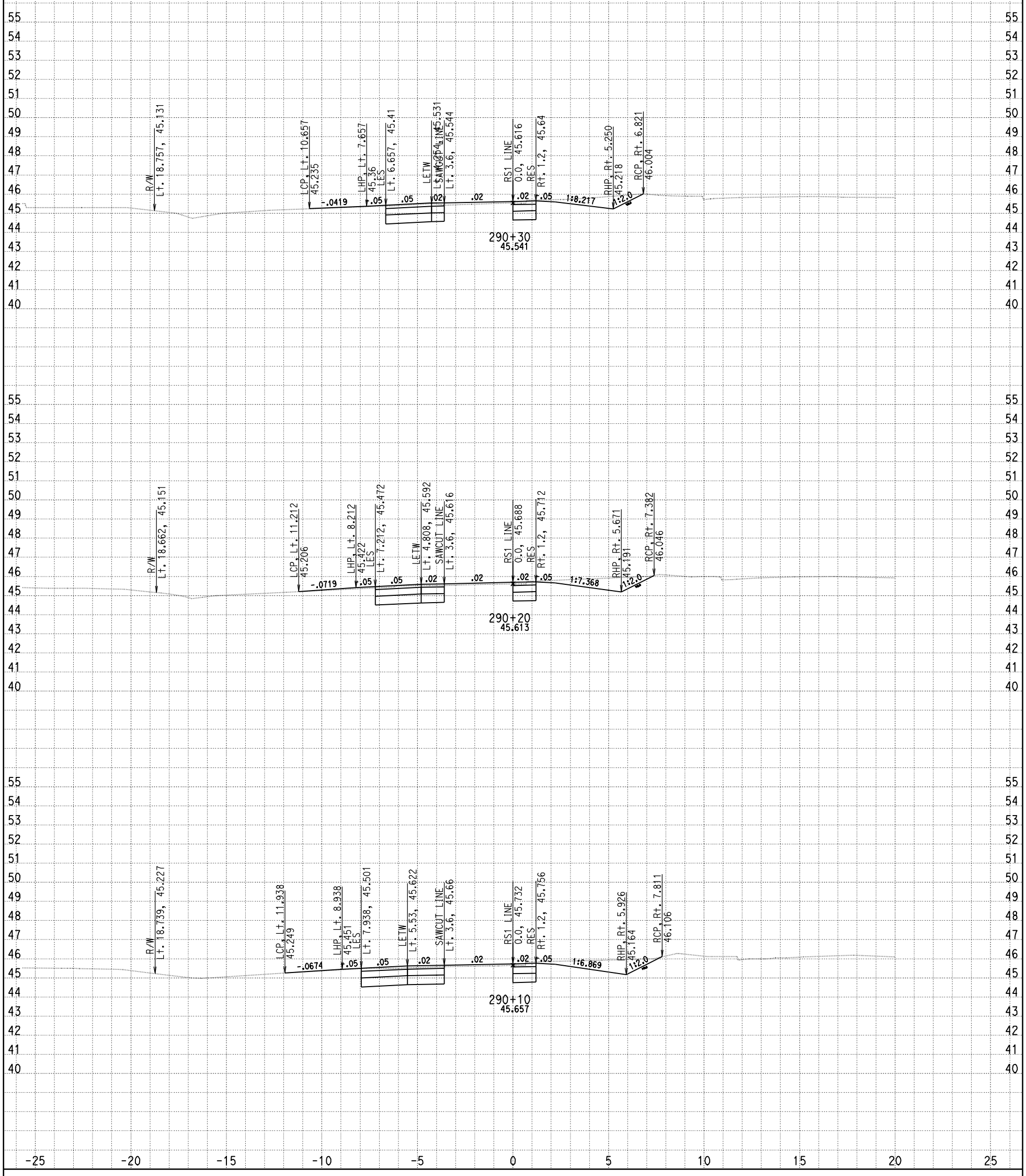
RS1 LINE

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

SHEET 10 OF 13

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

35.6/47.7

Scale Ratio: 1:100 Horiz. 1:100 Vert.

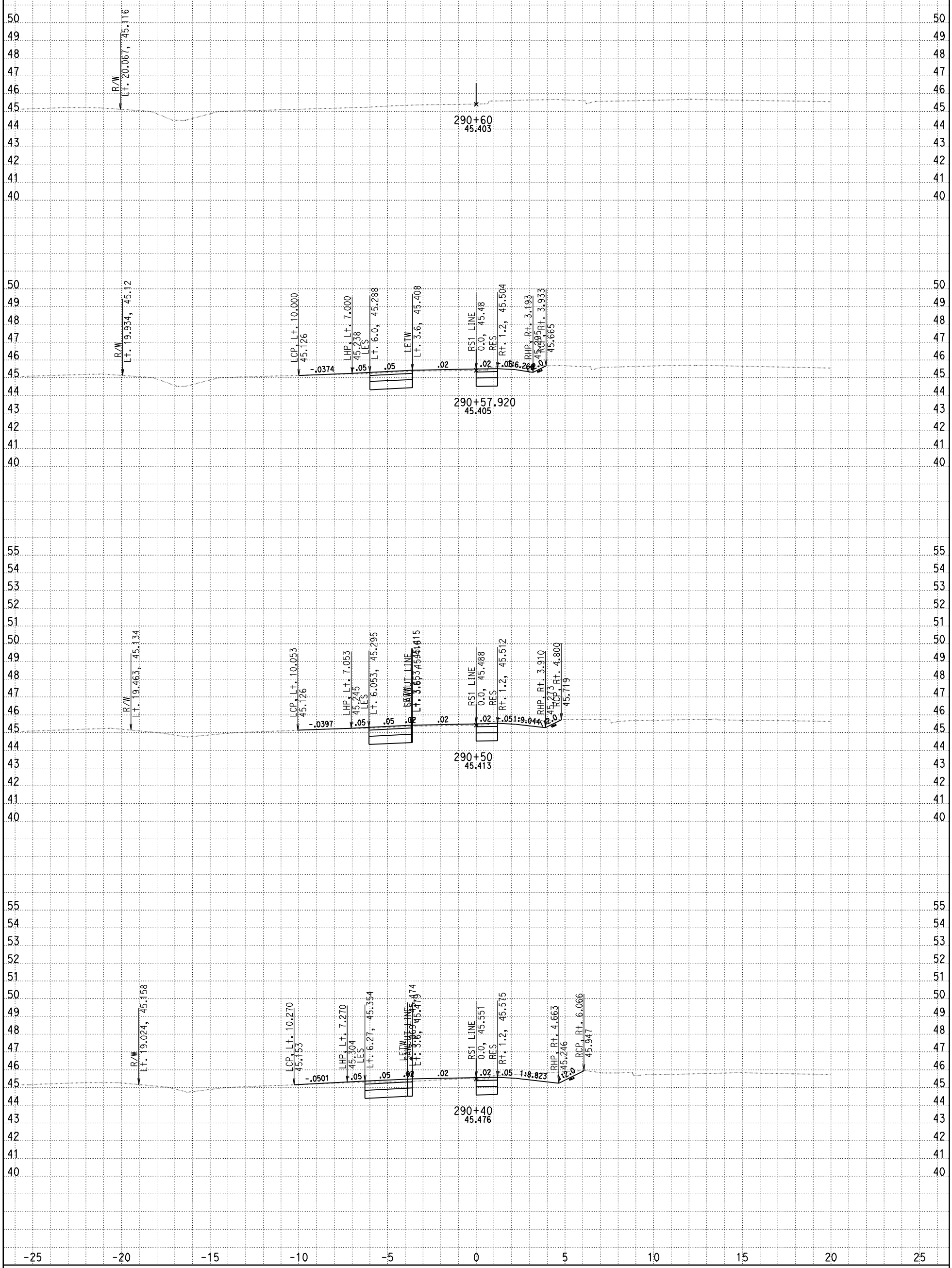
RS1 LINE

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

SHEET 11 OF 13

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

35.6/47.7

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

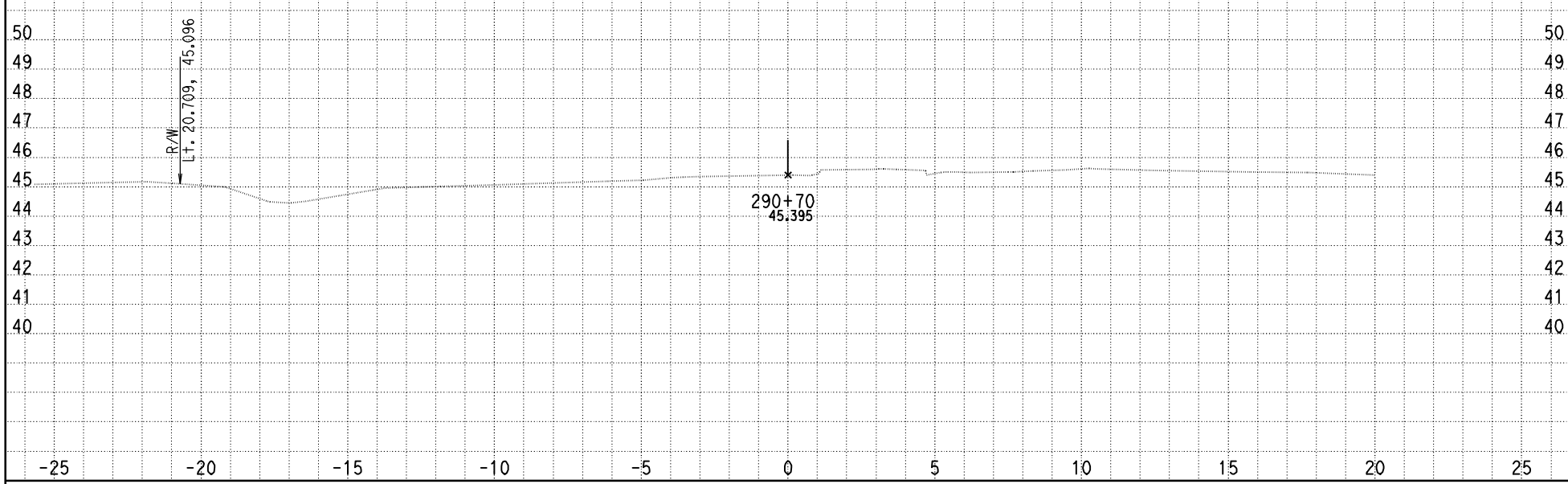
RS1 LINE

CROSS SECTIONS

Scale Ratio: 1:100 Horiz.
1:100 Vert.

SHEET 12 OF 13

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 0A1011

CROSS SECTIONS CREATED BY: SDH & BH

DATE: 4/14/2008

35.6/47.7

Scale Ratio: 1:100 Horiz.
1:100 Vert.

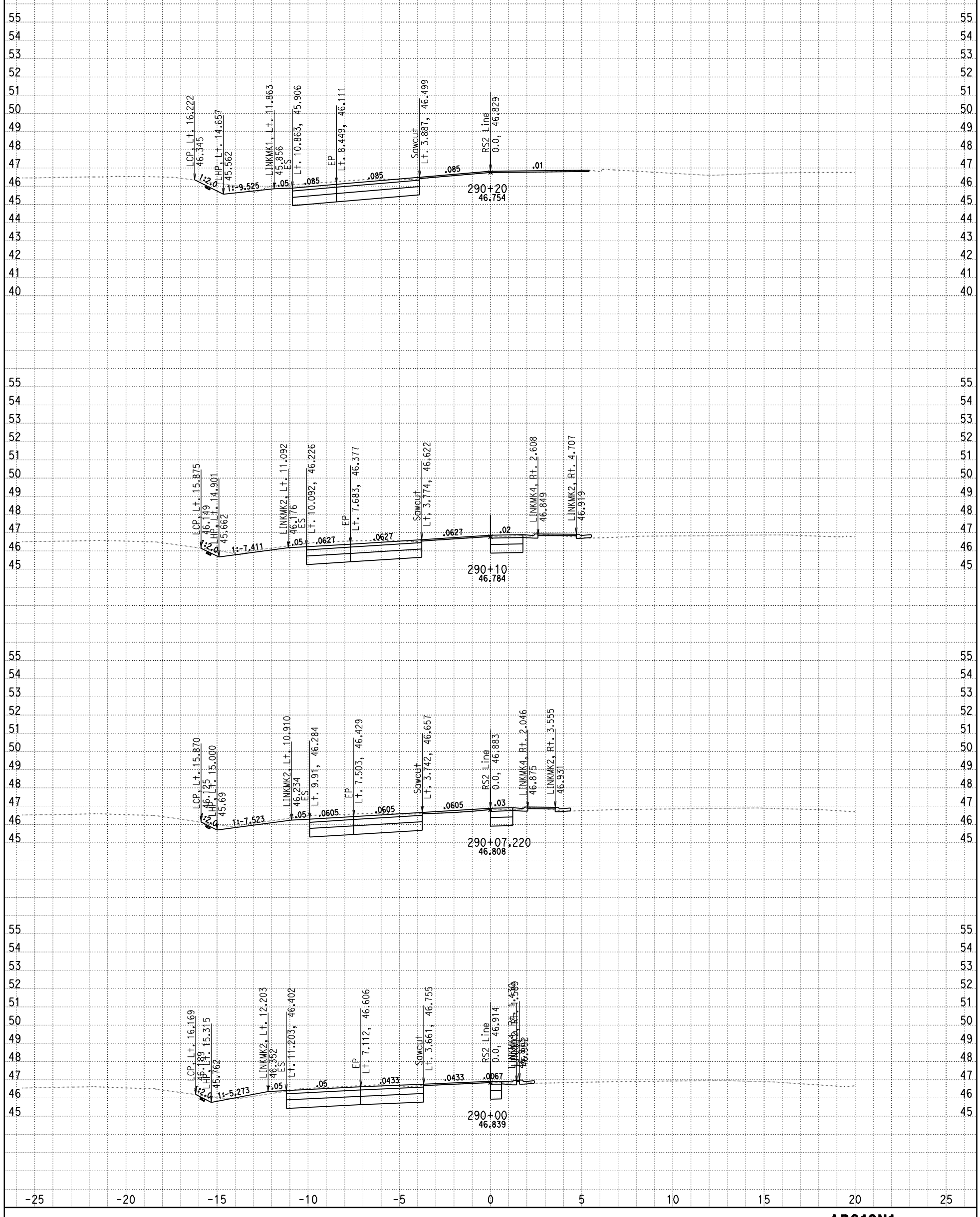
RS1 LINE

CROSS SECTIONS

Project: 0230 File: D:\Steveproject\BH-Dike-Xsections\RS1\rs1 ditch-dike-bh.ear

SHEET 13 OF 13

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

ARS1CN1

DATE: 10/26/2007

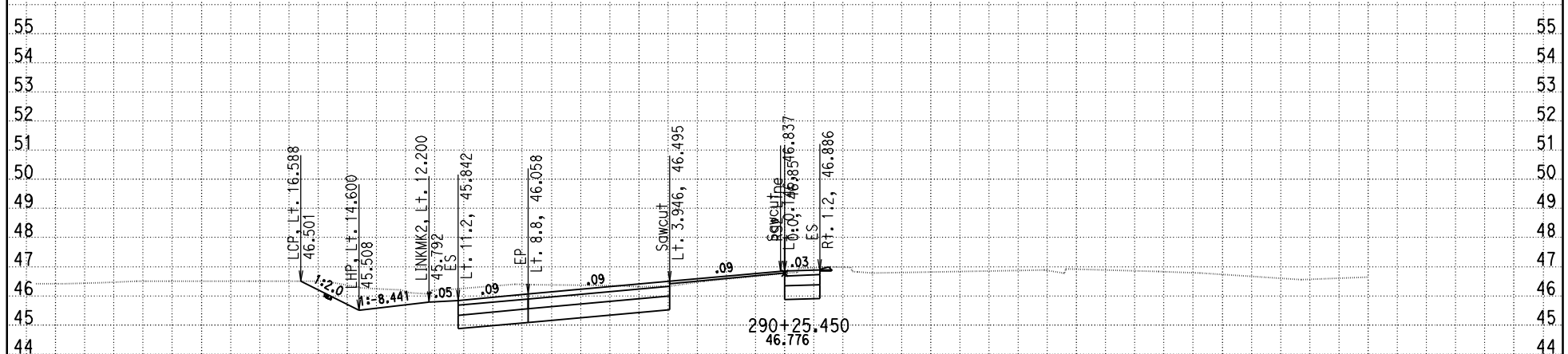
CROSS SECTIONS

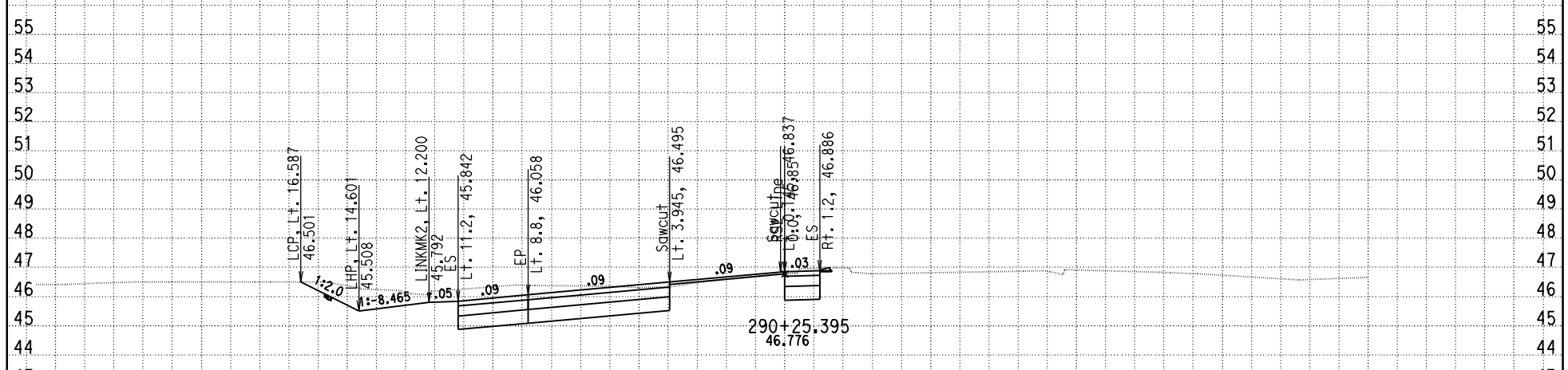
Scale Ratio: 1:100 Horiz.
1:100 Vert.

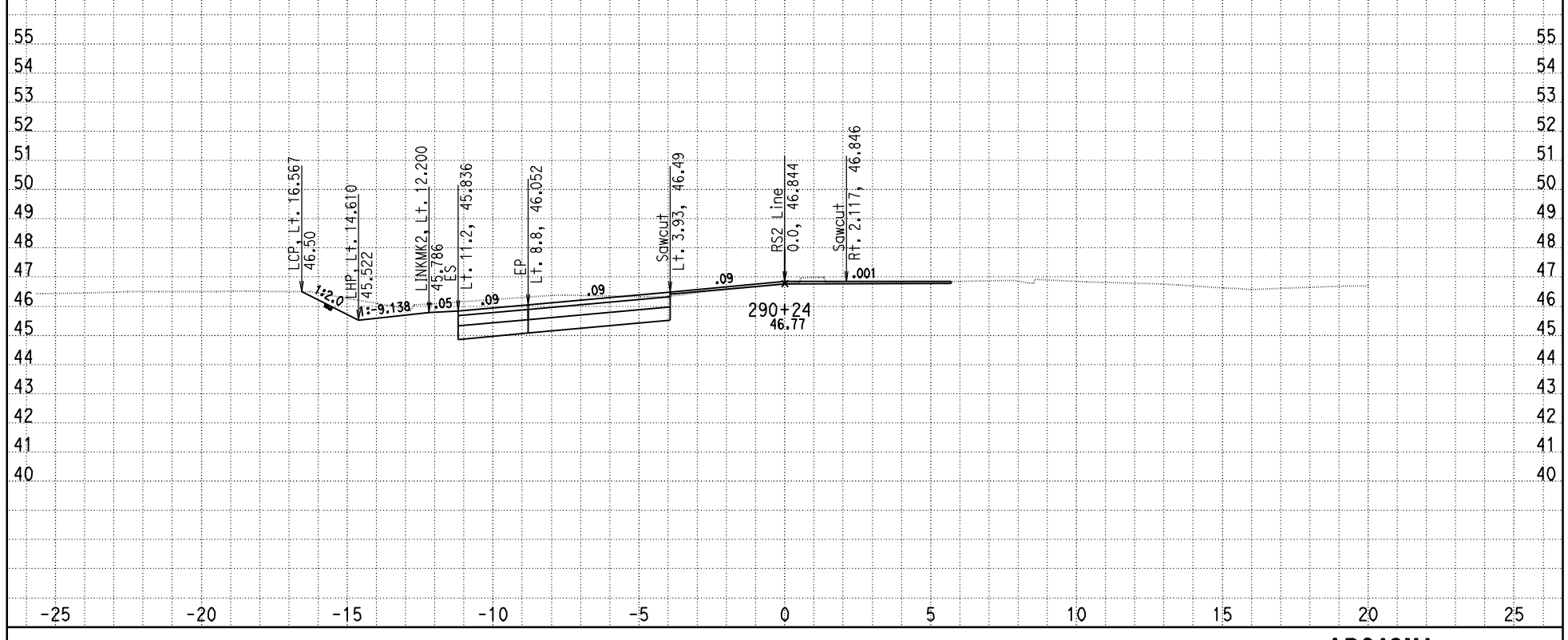
Project: 0230 File: D:\101-SONOMA\X-sections\RS2\ars2cn1-fg5-ol.ear

SHEET 1 OF 7

DESIGN STUDY ONLY







-25 -20 -15 -10 -5 0 5 10 15 20 25

ALL DIMENSIONS ARE METRIC

ARS1CN1

DATE: 10/26/2007

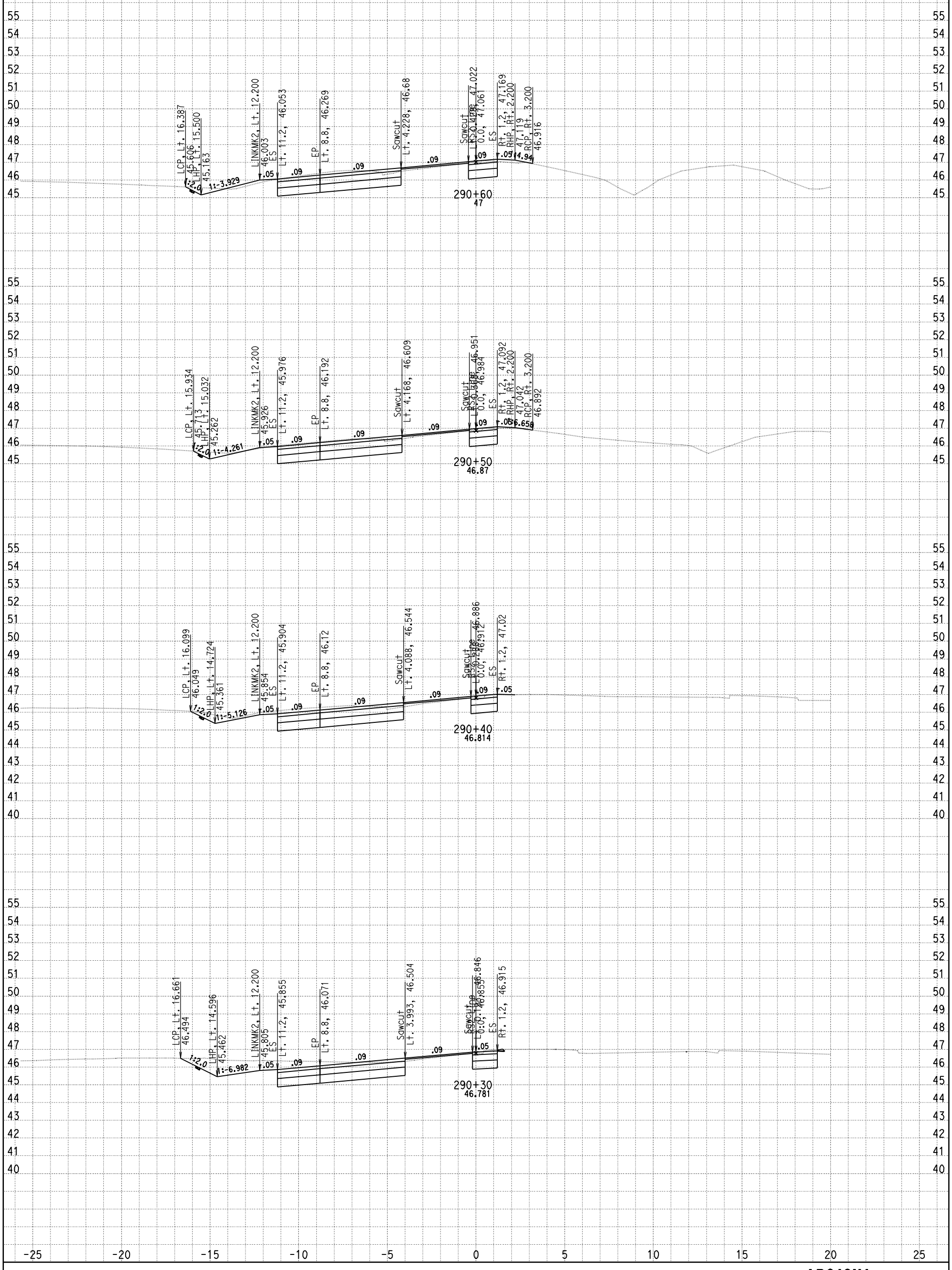
CROSS SECTIONS

Scale Ratio: 1:100 Horiz.
1:100 Vert.

Project: 0230 File: D:\101-SONOMA\X-sections\RS2\ars2cn1-fg5-ol.ear

SHEET 2 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

ARS1CN1

DATE: 10/26/2007

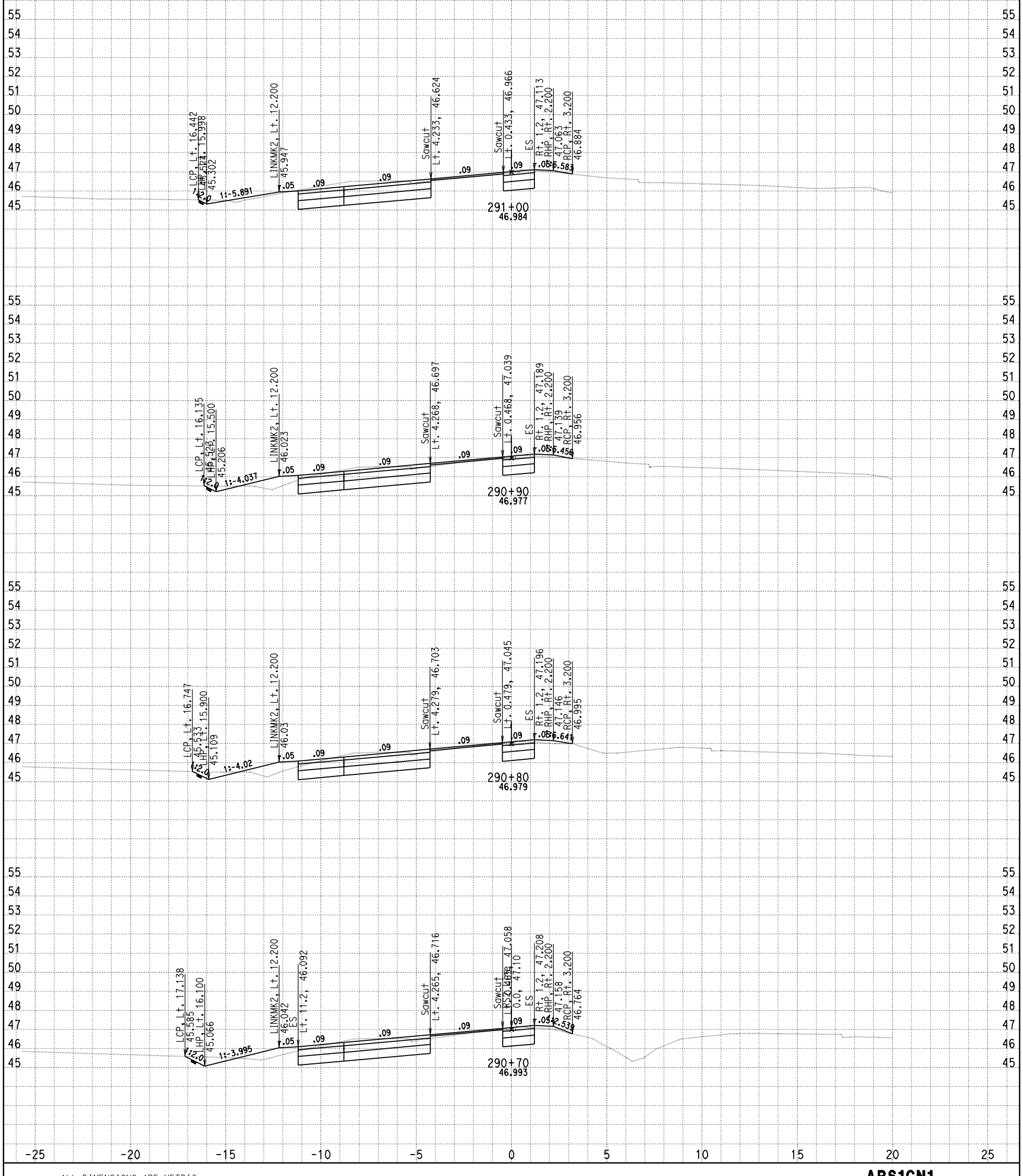
CROSS SECTIONS

Scale Ratio: 1:100 Horiz.
1:100 Vert.

Project: 0230 File: D:\101-SONOMA\X-sections\RS2\ars2cn1-fg5-ol.ear

SHEET 3 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

ARS1CN1

DATE: 10/26/2007

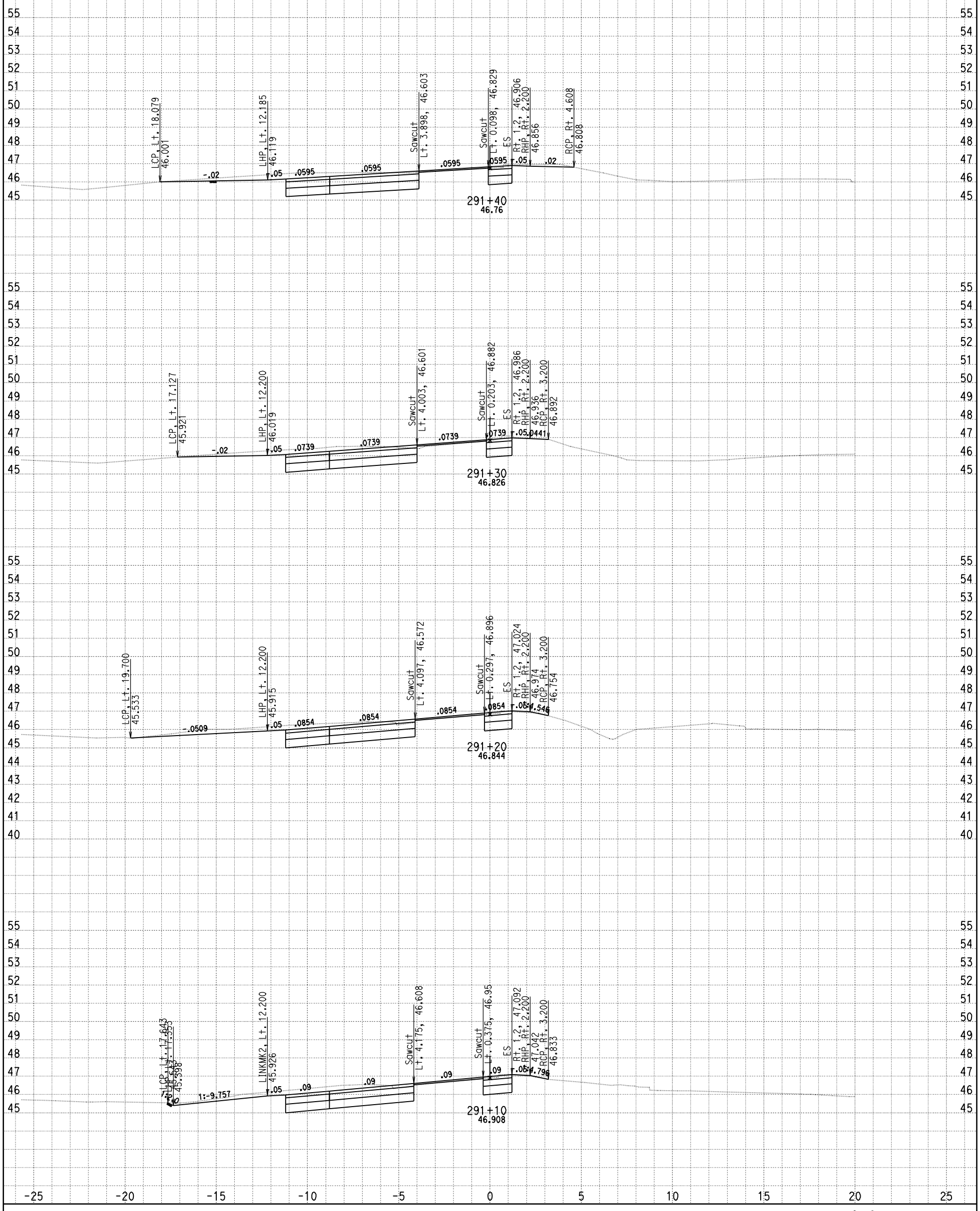
CROSS SECTIONS

Scale Ratio: 1:100 Horiz.
1:100 Vert.

Project: 0230 File: D:\101-SONOMA\X-sections\RS2\ars2cn1-fg5-ol.ear

SHEET 4 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

ARS1CN1

DATE: 10/26/2007

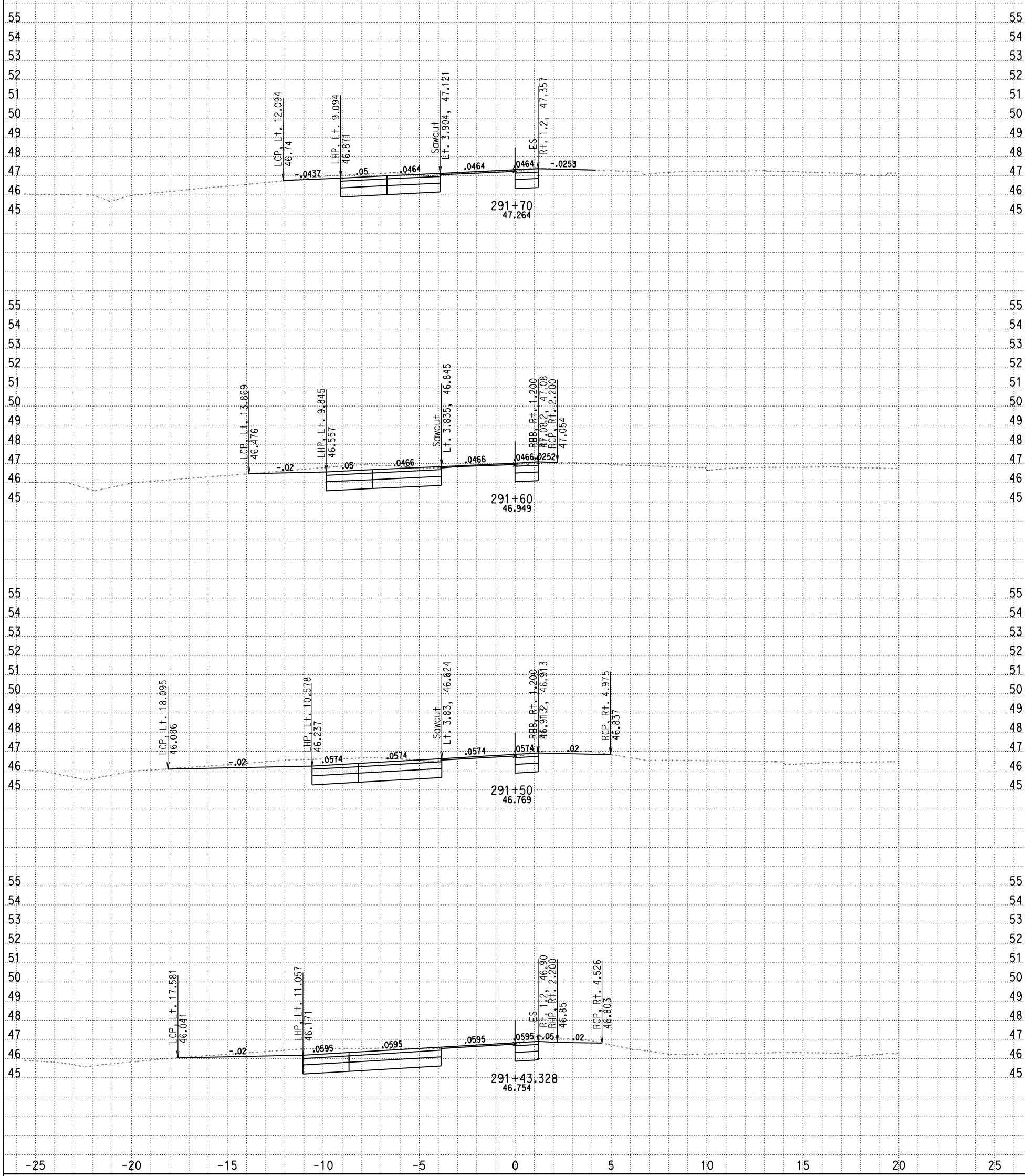
CROSS SECTIONS

Scale Ratio: 1:100 Horiz.
1:100 Vert.

Project: 0230 File: D:\101-SONOMA\X-sections\RS2\ars2cn1-fg5-ol.ear

SHEET 5 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

ARS1CN1

CROSS SECTIONS

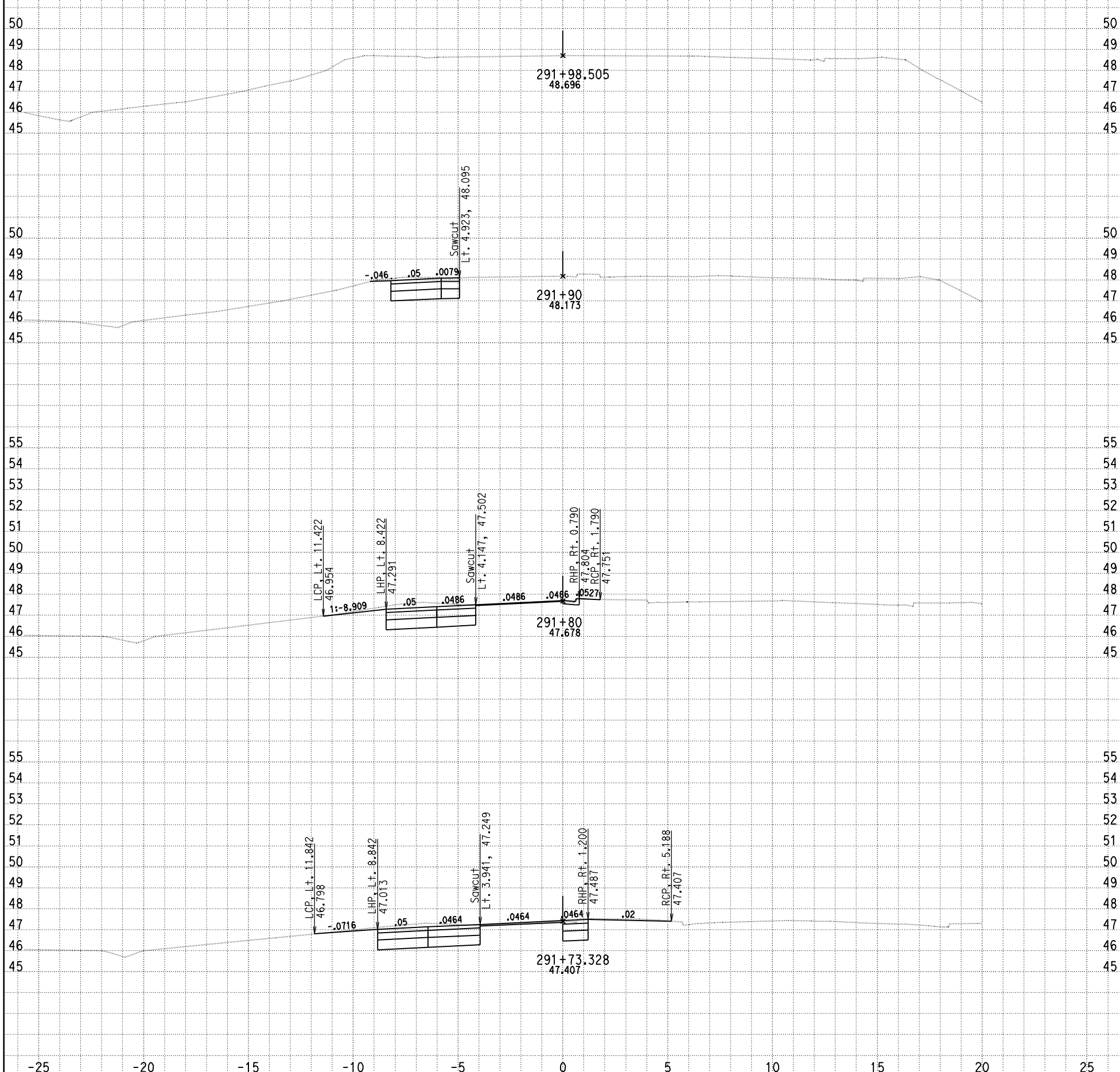
DATE: 10/26/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

Project: 0230 File: D:\101-SONOMA\X-sections\RS2\ars2cn1-fg5-ol.ear

SHEET 6 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

ARS1CN1

CROSS SECTIONS

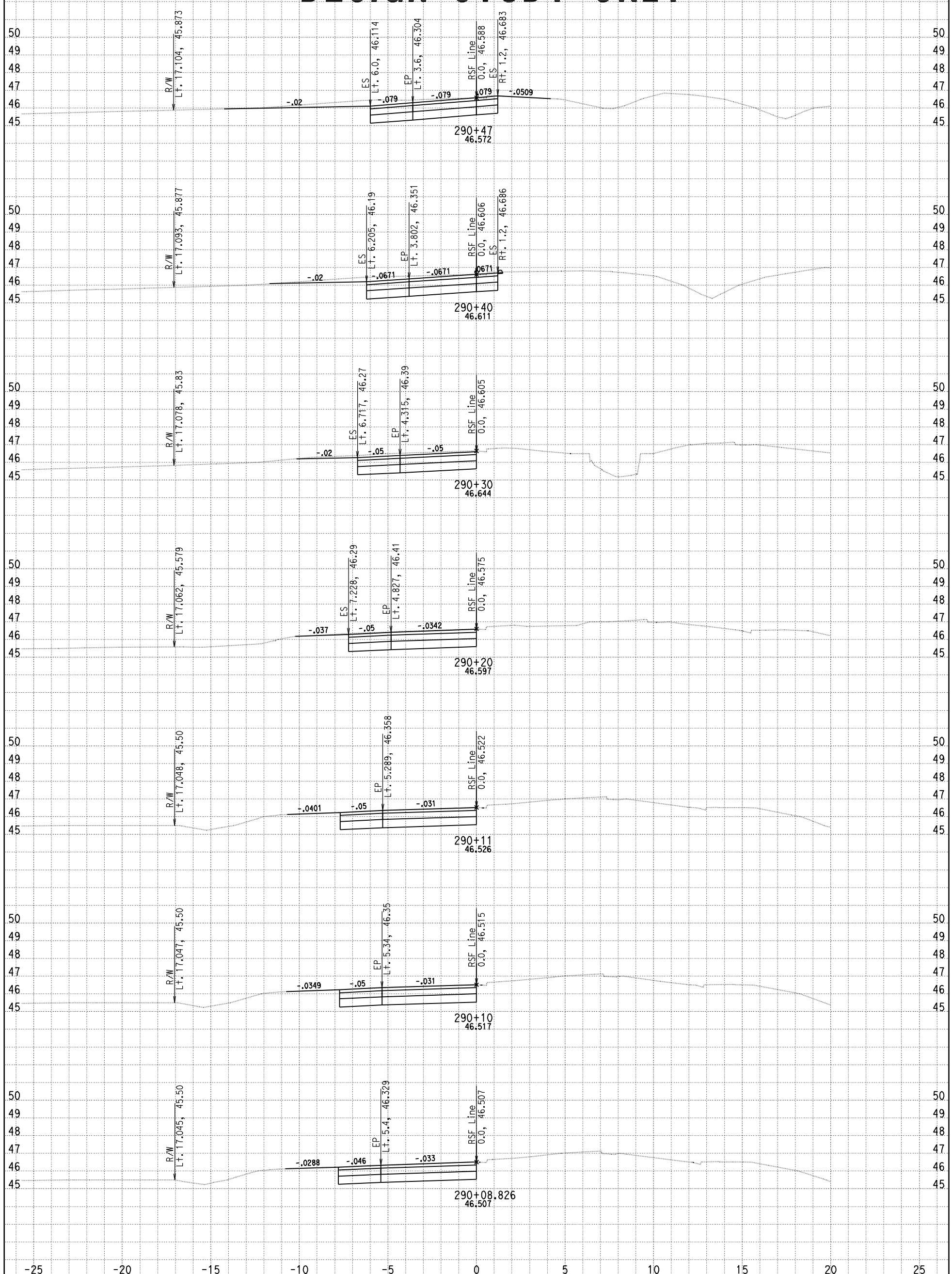
DATE: 10/26/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

Project: 0230 File: D:\101-SONOMA\X-sections\RS2\ars2cn1-fg5-ol.ear

SHEET 7 OF 7

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

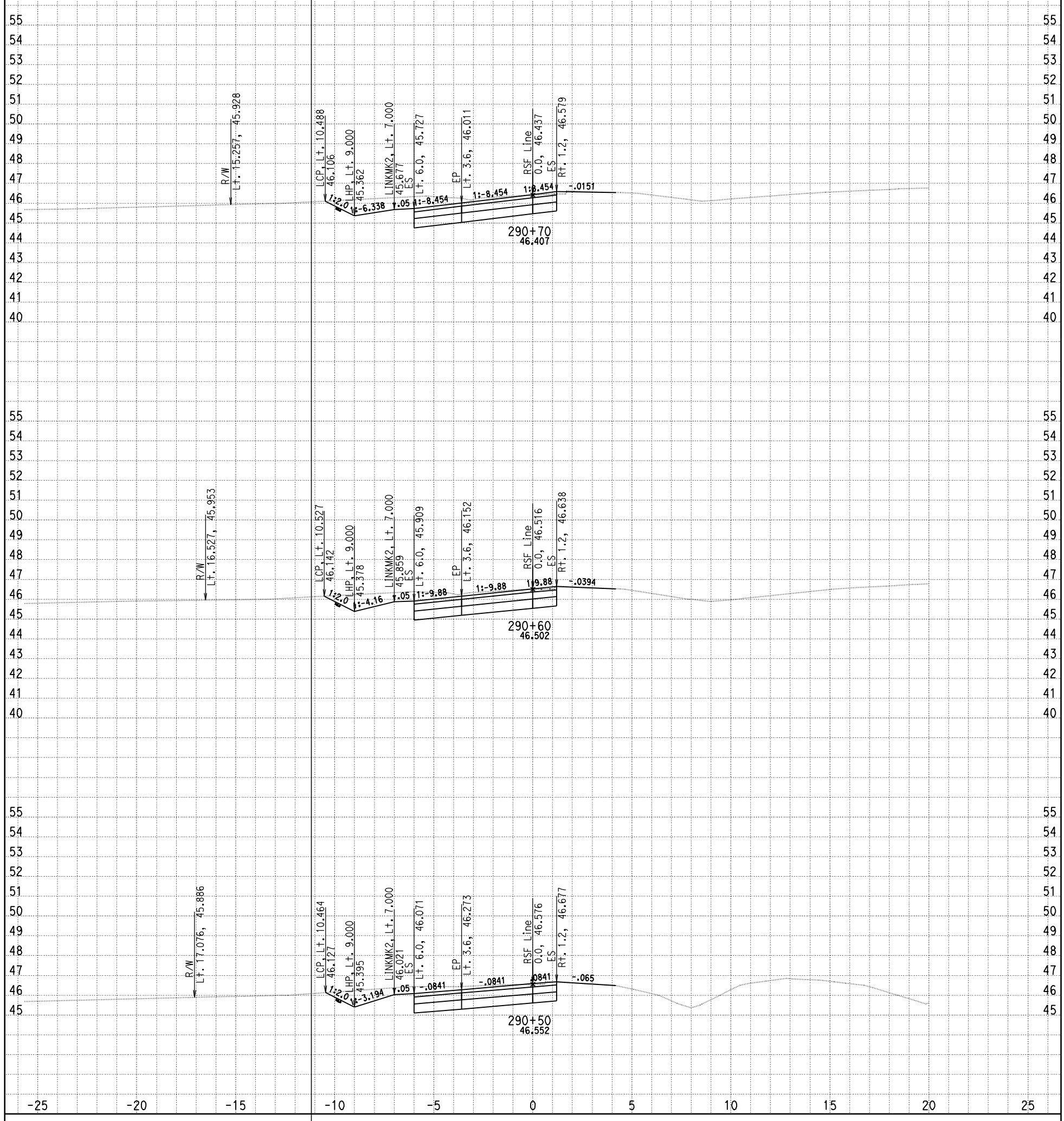
ARS1CN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\RSF XSect\arsfcn1-ditch-sdh.ear

SHEET 1 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

CROSS SECTIONS CREATED BY: BH

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\RSF XSect\arsfcn1-ditch-sdh.ear

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

DATE: 8/17/2007

34.9/47.2

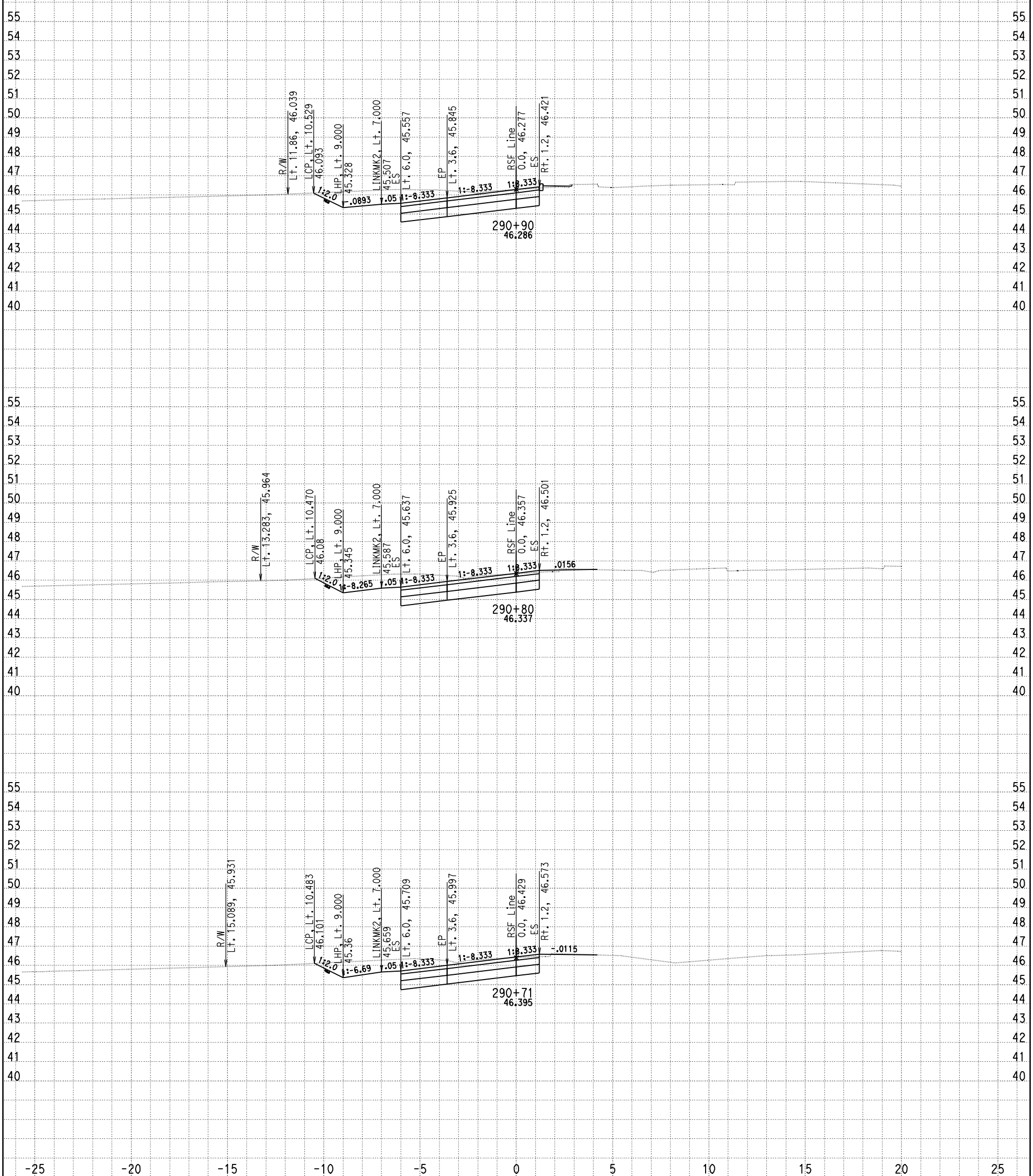
Scale Ratio: 1:100 Horiz.
1:100 Vert.

ARS1CN1

CROSS SECTIONS

SHEET 2 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

CROSS SECTIONS CREATED BY: BH

DATE: 8/17/2007

34.9/47.2

Scale Ratio: 1:100 Horiz.
1:100 Vert.

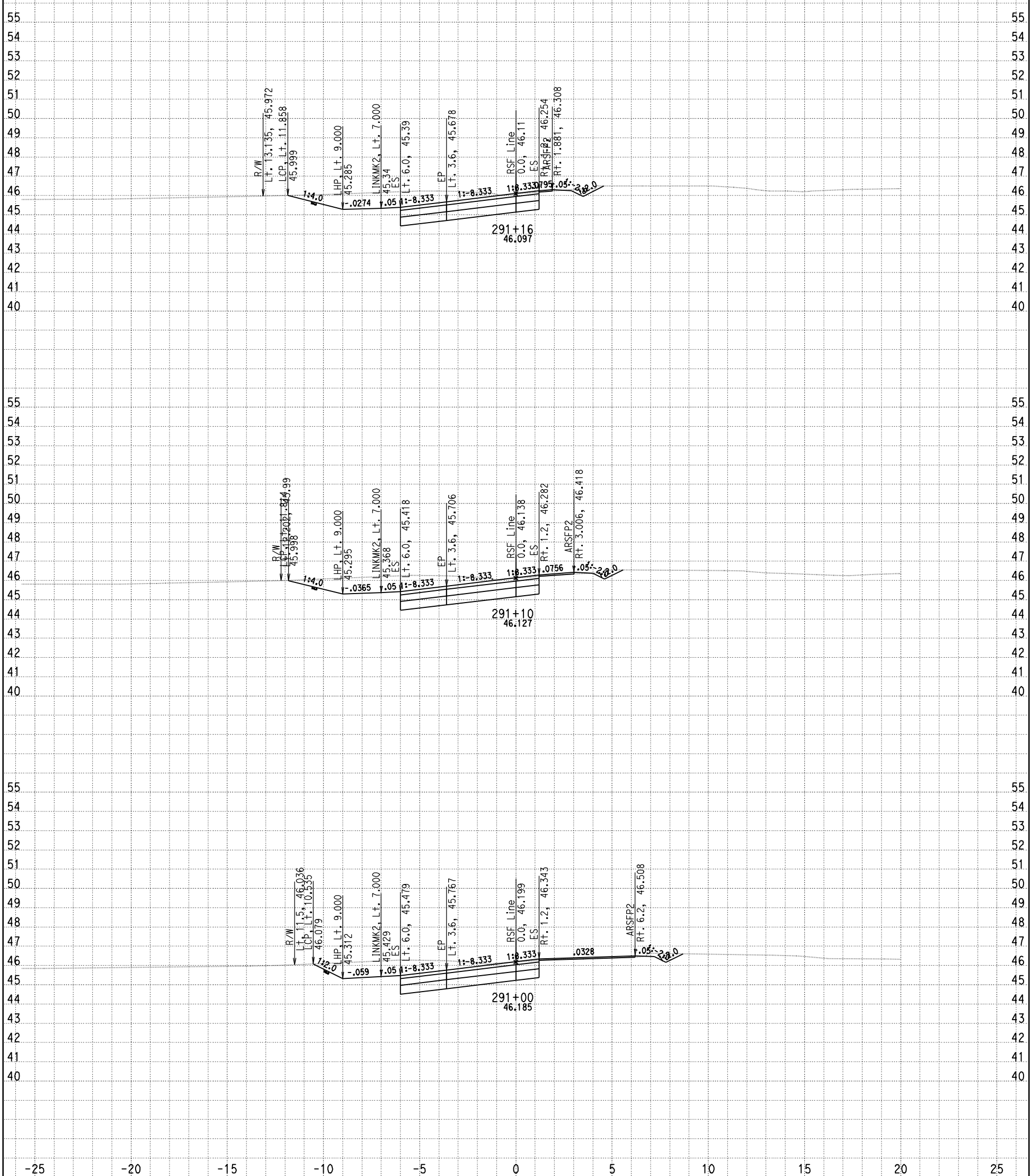
ARS1CN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\RSF XSect\arsfcn1-ditch-sdh.ear

SHEET 3 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

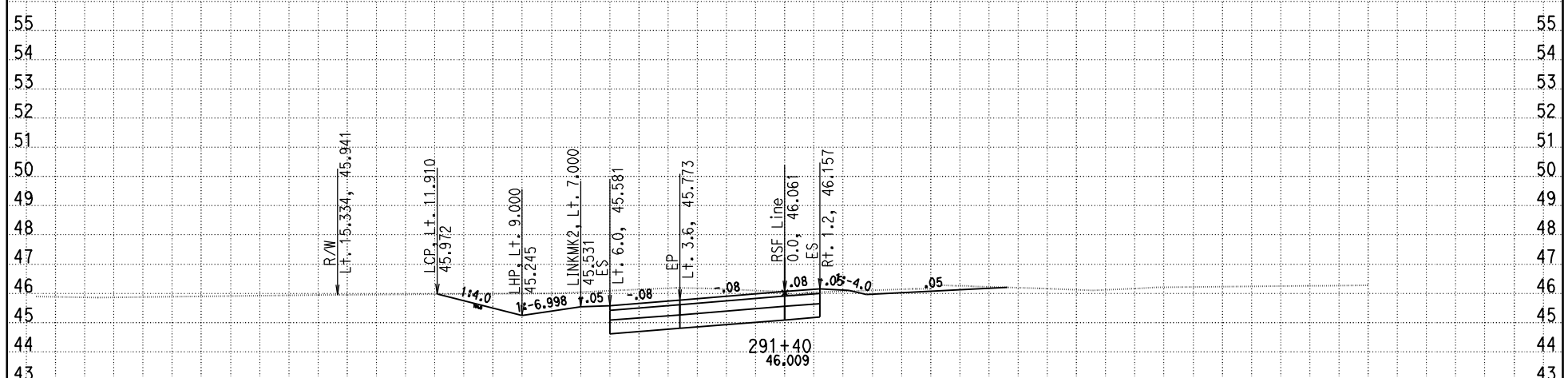
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\RSF XSect\arsfcn1-ditch-sdh.ear

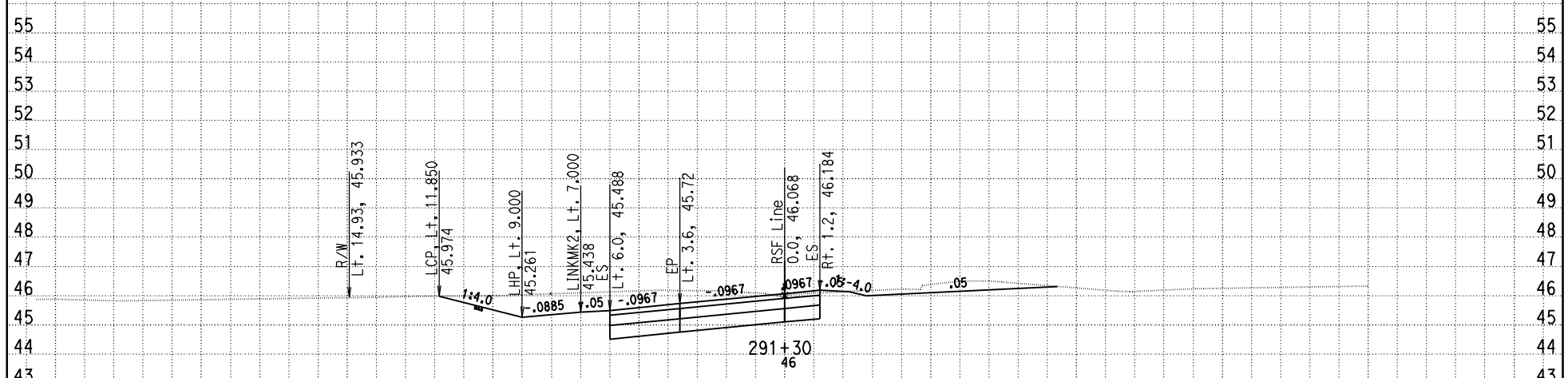
ARS1CN1

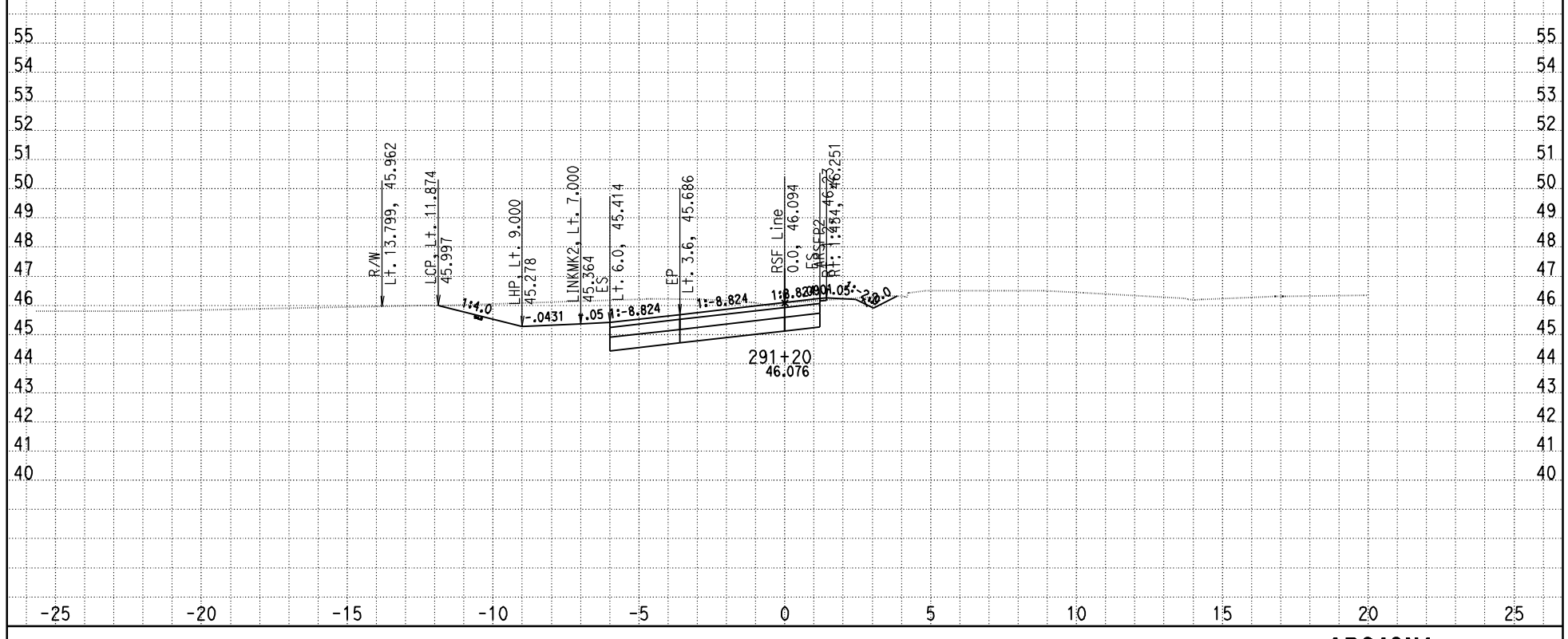
CROSS SECTIONS

SHEET 4 OF 8

DESIGN STUDY ONLY







-25 -20 -15 -10 -5 0 5 10 15 20 25

ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

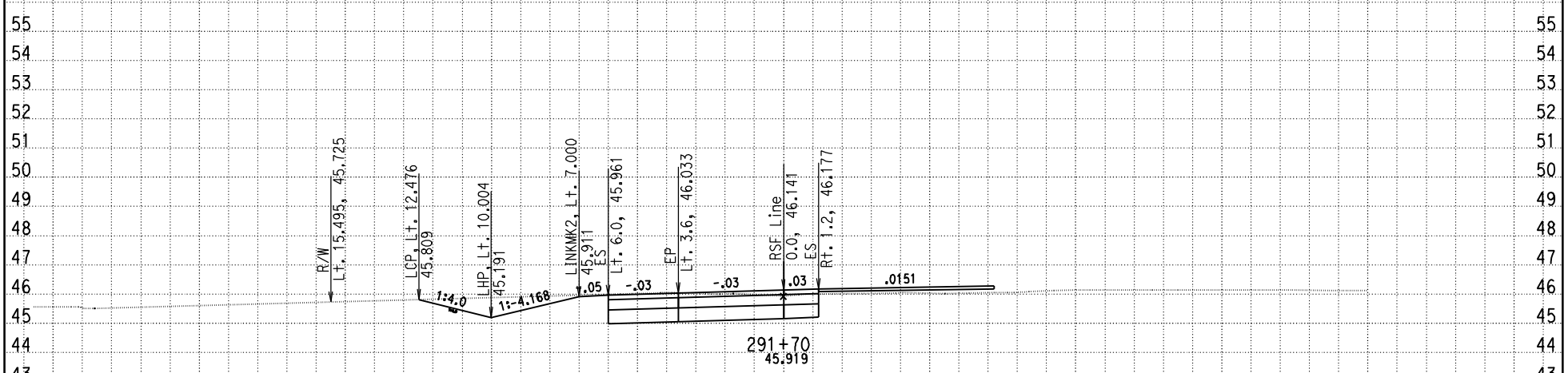
ARS1CN1

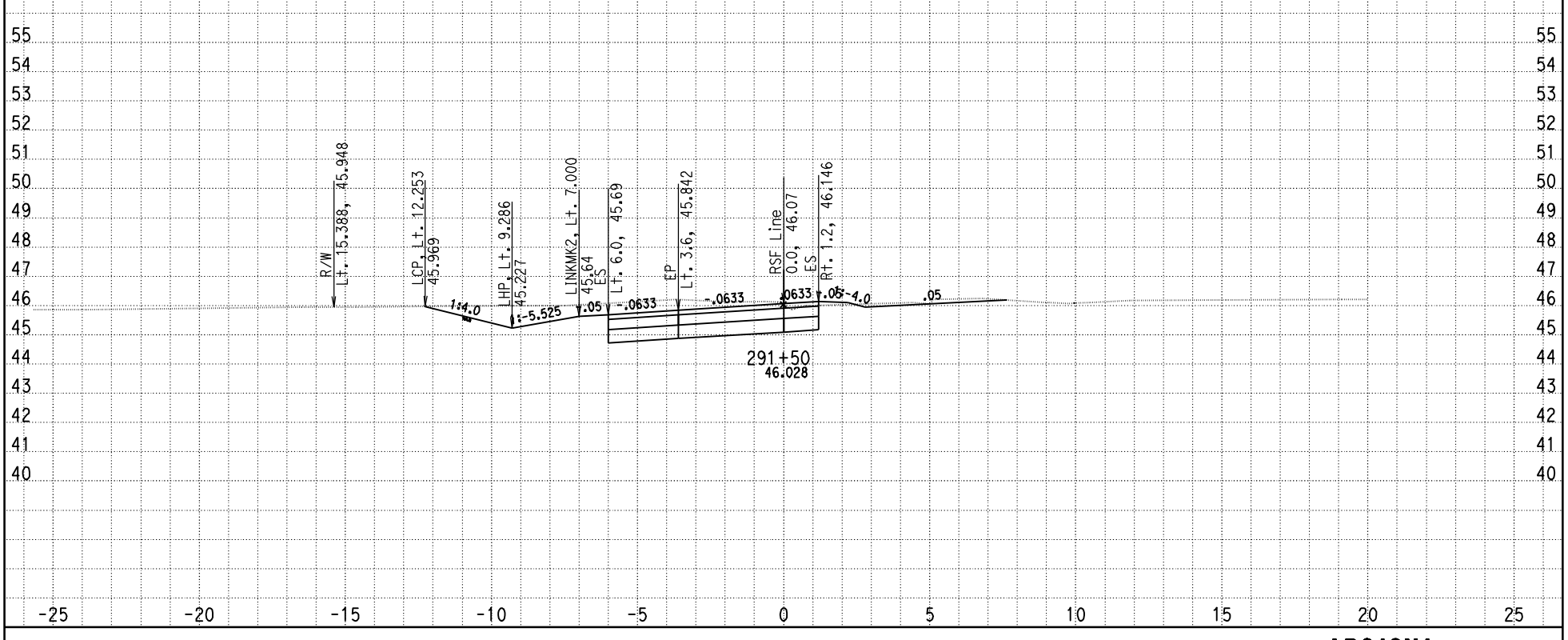
CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\RSF XSect\arsfcn1-ditch-sdh.ear

SHEET 5 OF 8

DESIGN STUDY ONLY





-25 -20 -15 -10 -5 0 5 10 15 20 25

ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

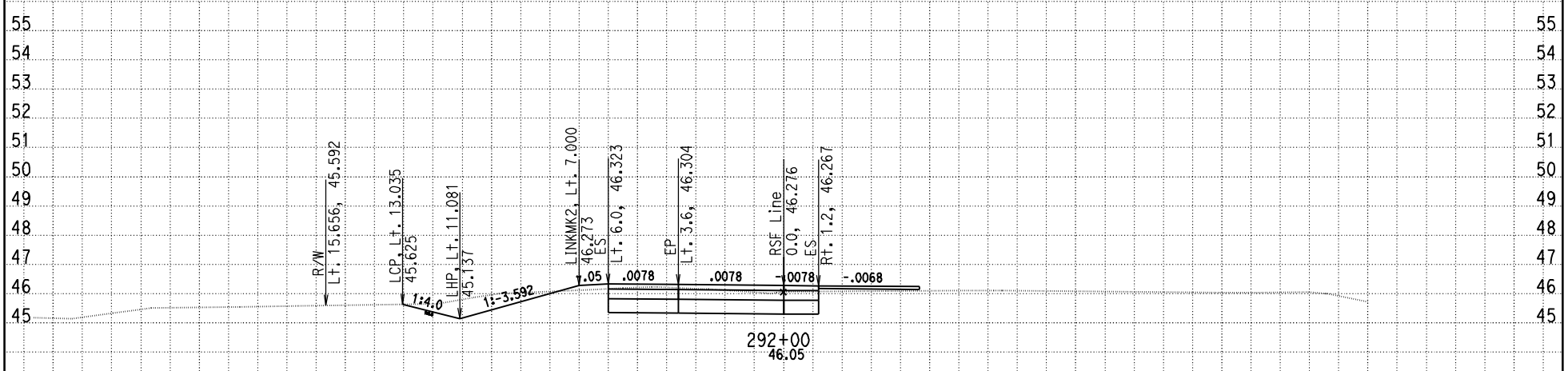
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\RSF XSect\arsfcn1-ditch-sdh.ear

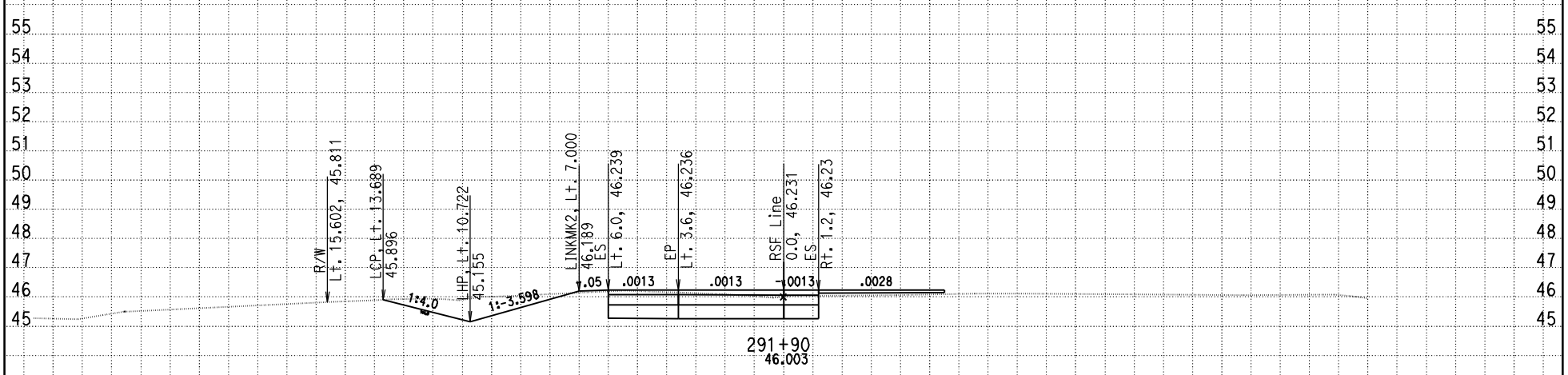
ARS1CN1

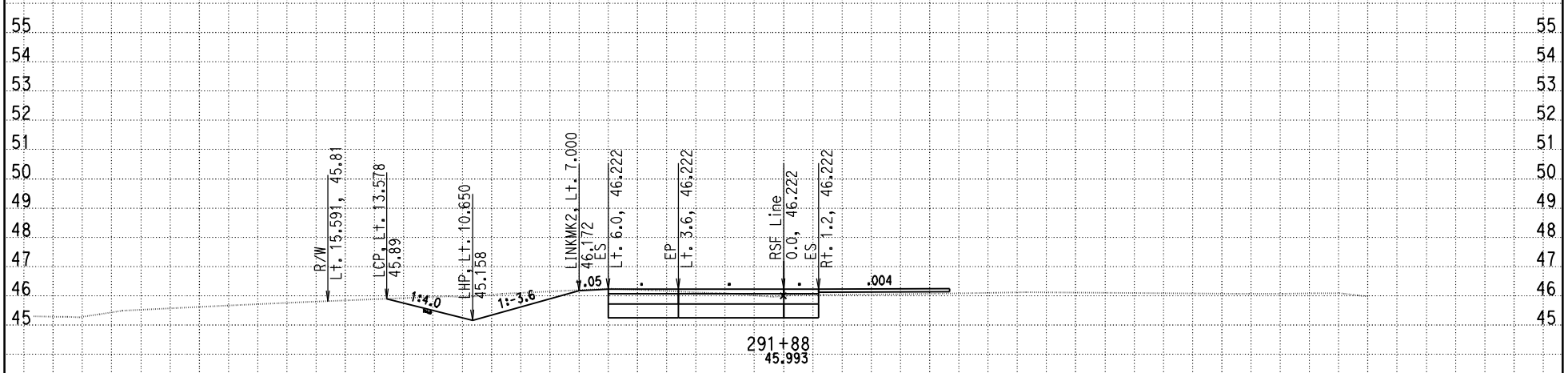
CROSS SECTIONS

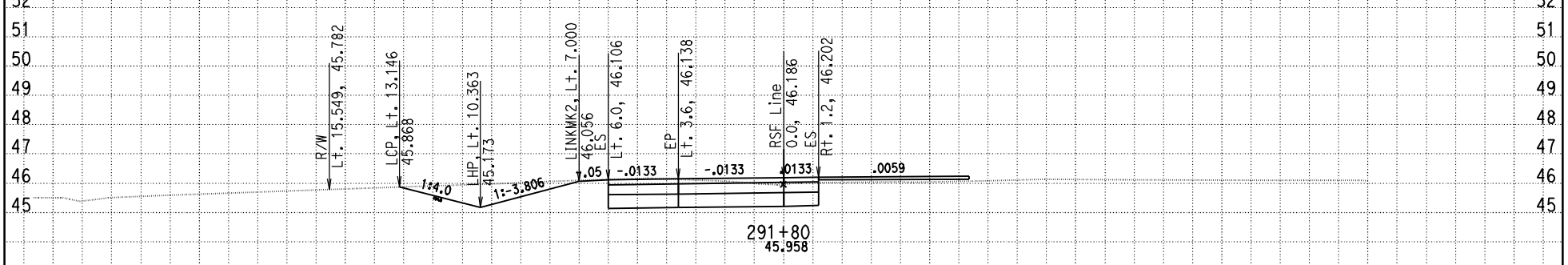
SHEET 6 OF 8

DESIGN STUDY ONLY









-25 -20 -15 -10 -5 0 5 10 15 20 25

ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

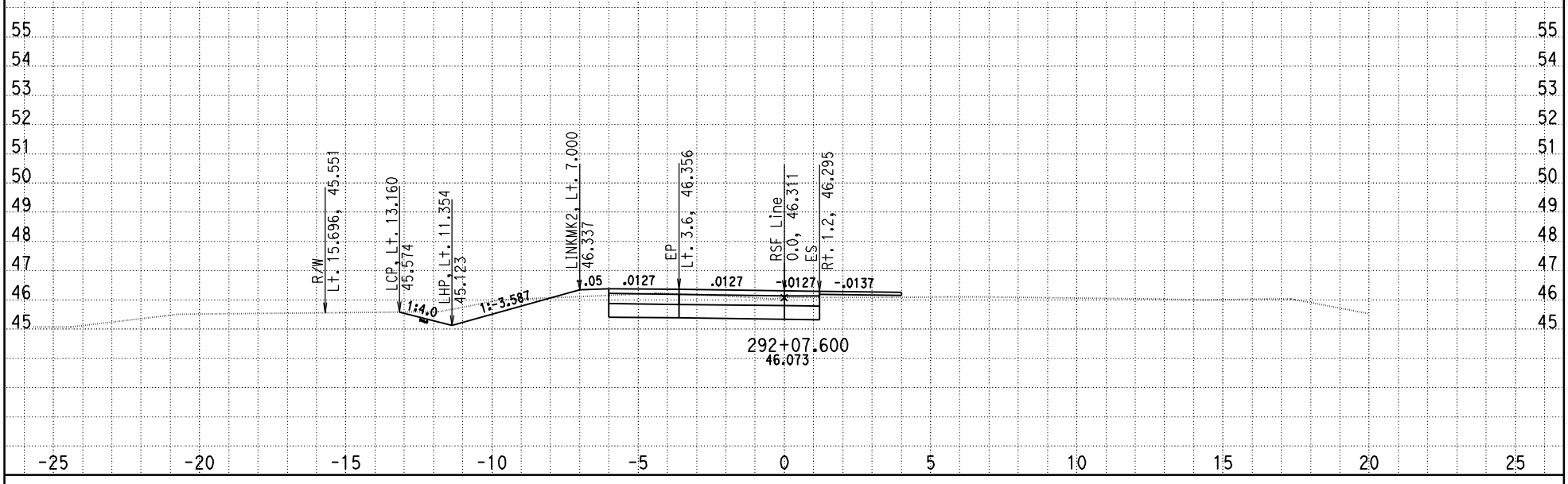
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\RSF XSect\arsfcn1-ditch-sdh.ear

ARS1CN1

CROSS SECTIONS

SHEET 7 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

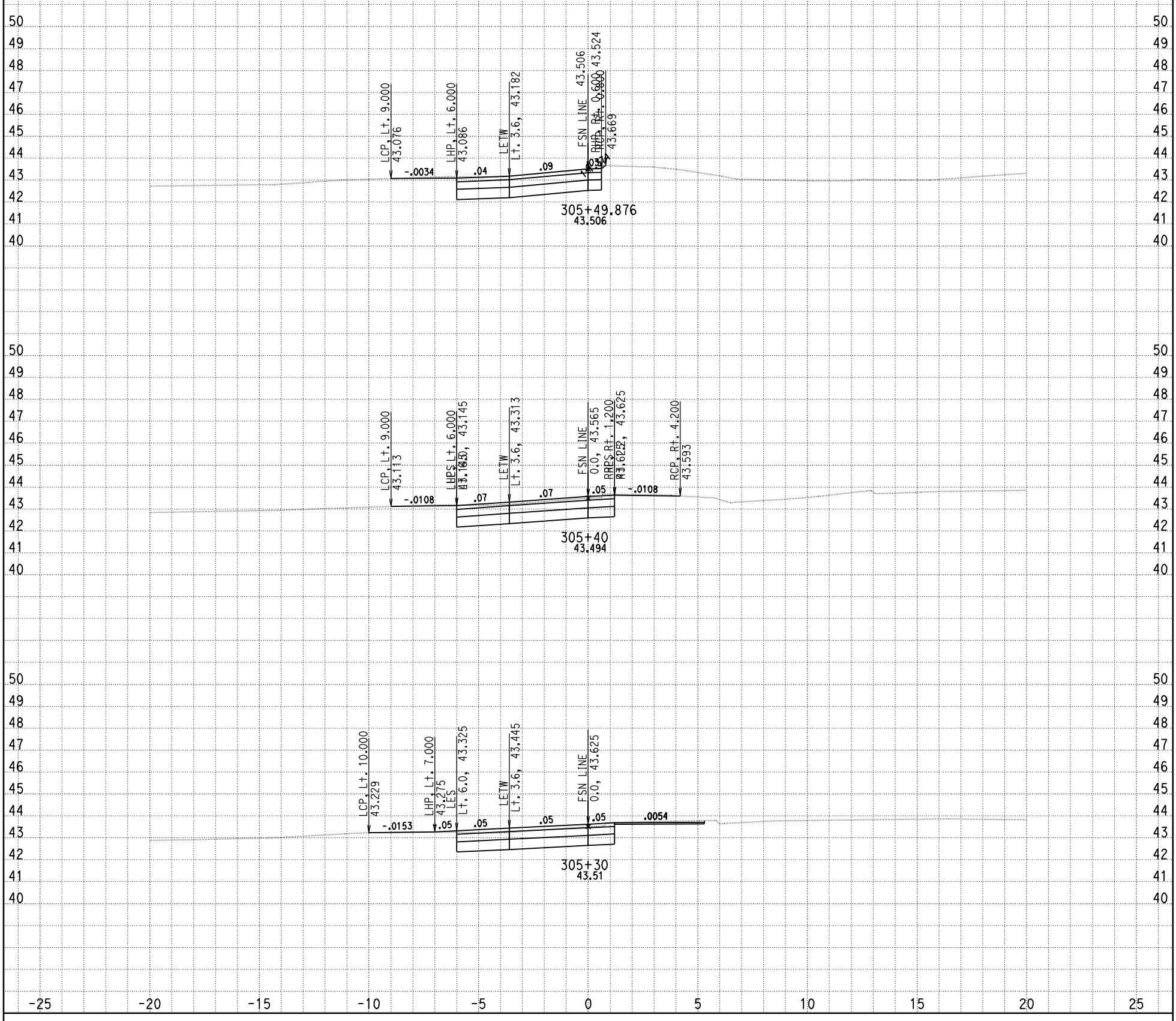
ARS1CN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\RSF XSect\arsfcn1-ditch-sdh.ear

SHEET 8 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/31/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

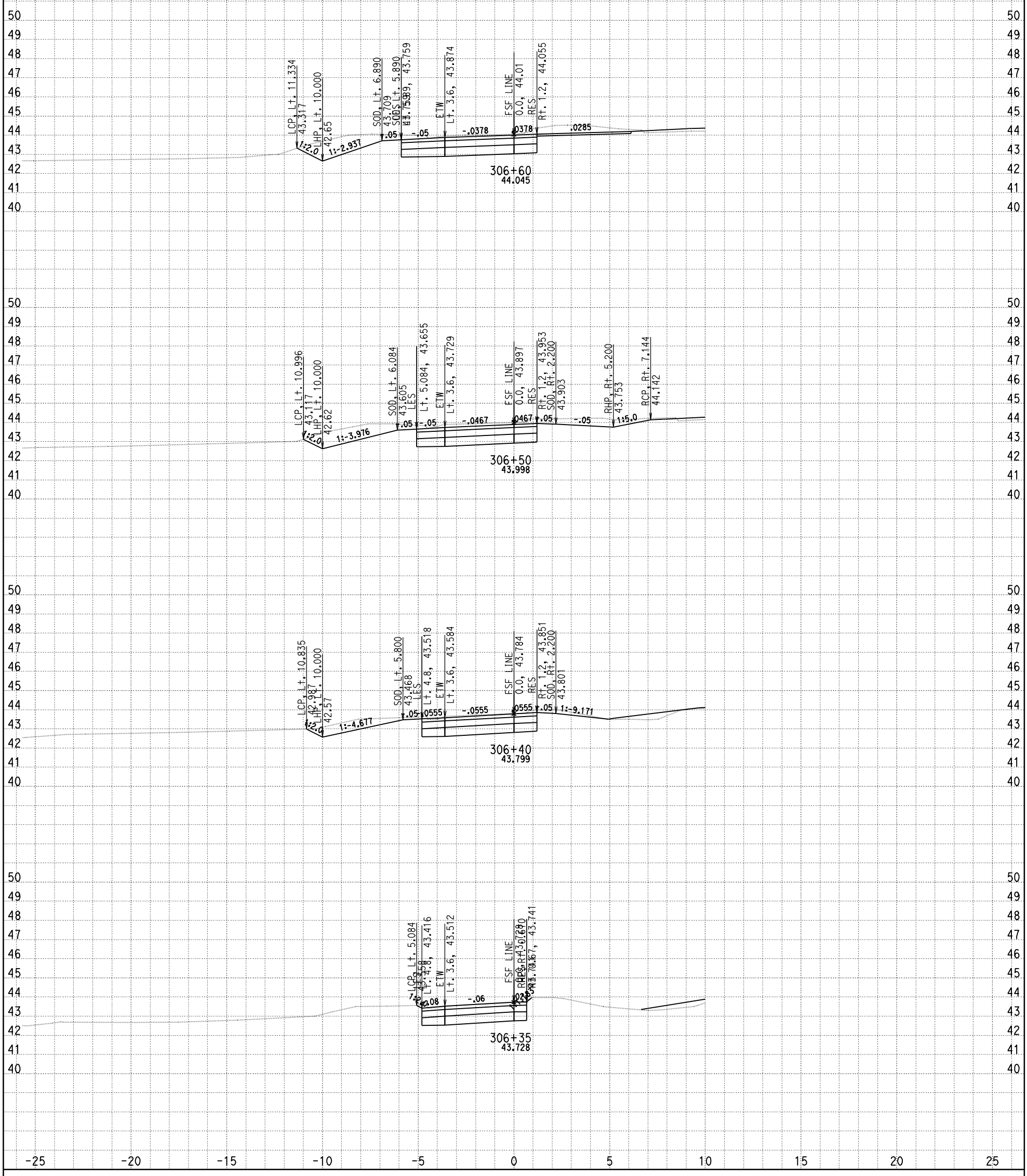
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\FSN XSect\fsn-ditch-sdh.ear

AFSNCN1

CROSS SECTIONS

SHEET 1 OF 1

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

CROSS SECTIONS CREATED BY: BH

DATE: 1/9/2008

Project: 0230 File: D:\101-SONOMA\X-sections\FSF\fsf-fg.ear

PROJECT: SONOMA 101

EA: 44770

35.6/47.7

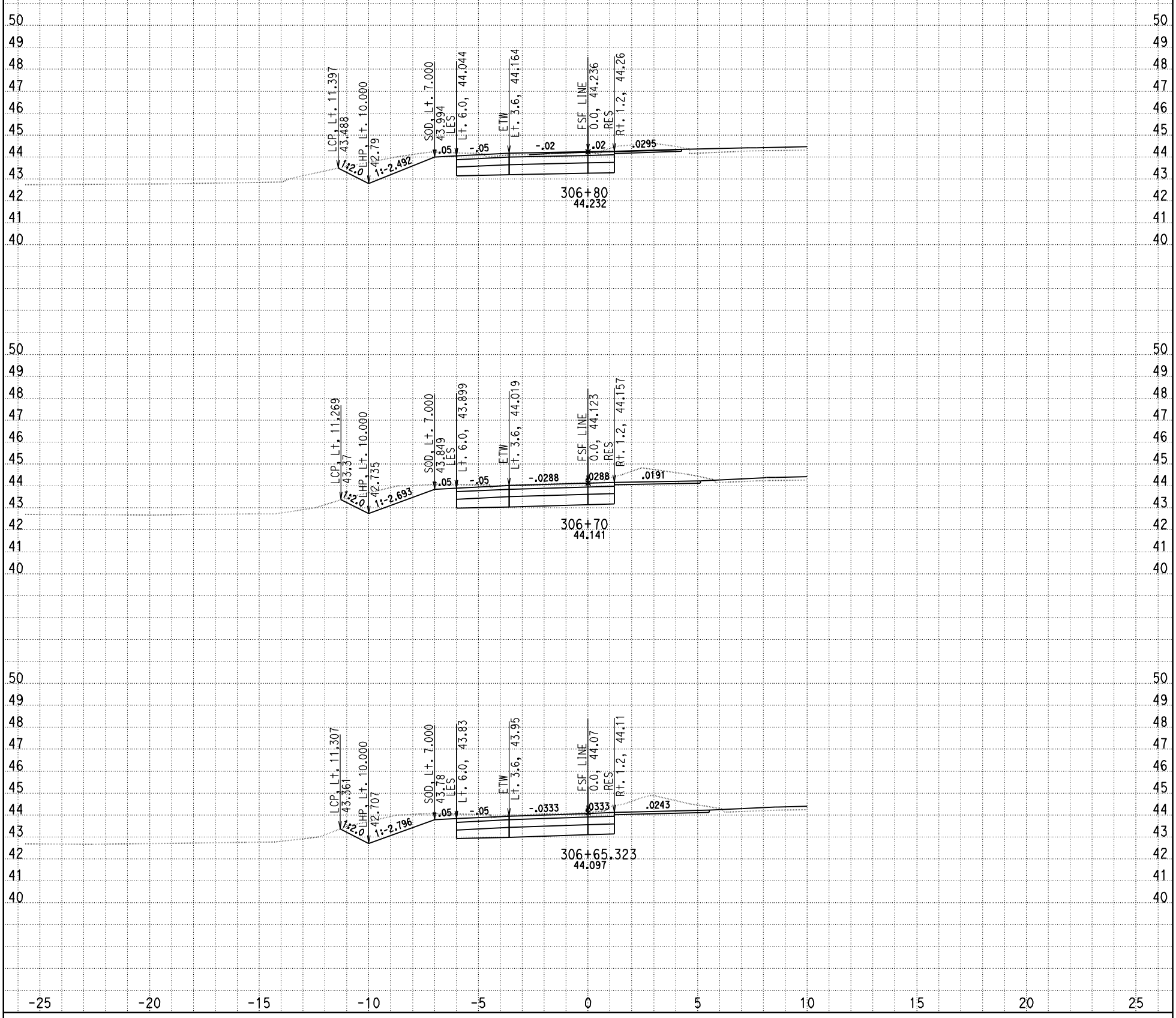
Scale Ratio: 1:100 Horiz.
1:100 Vert.

FSF LINE

CROSS SECTIONS

SHEET 1 OF 2

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

CROSS SECTIONS CREATED BY: BH

DATE: 1/9/2008

Project: 0230 File: D:\101-SONOMA\X-sections\FSF\fsf-fg.ear

PROJECT: SONOMA 101

EA: 44770

35.6/47.7

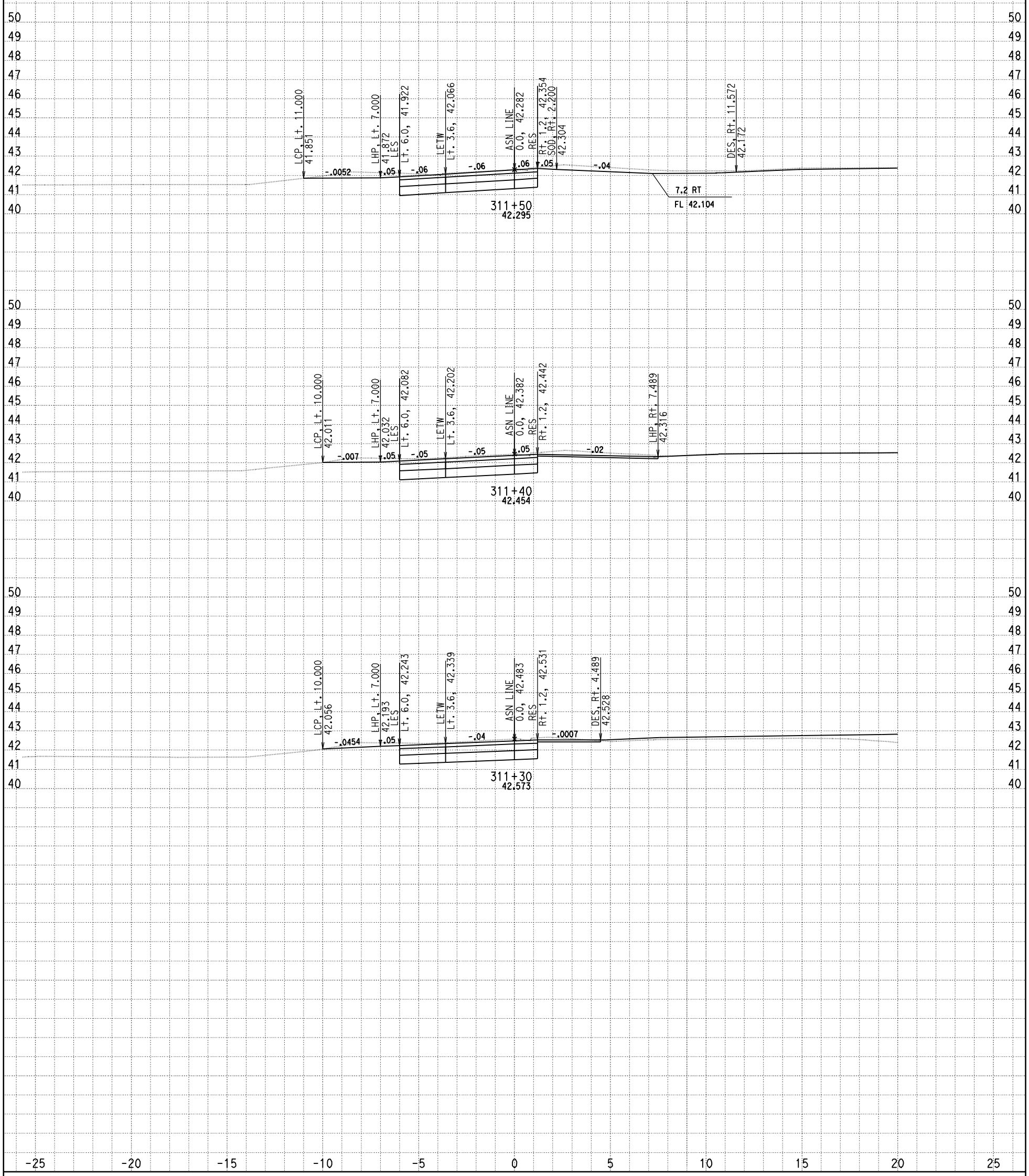
Scale Ratio: 1:100 Horiz.
1:100 Vert.

FSF LINE

CROSS SECTIONS

SHEET 2 OF 2

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101

EA: 44770

35.6/47.7

CROSS SECTIONS CREATED BY: BH

DATE: 1/17/2008

Scale Ratio: 1:100 Horiz.
1:100 Vert.

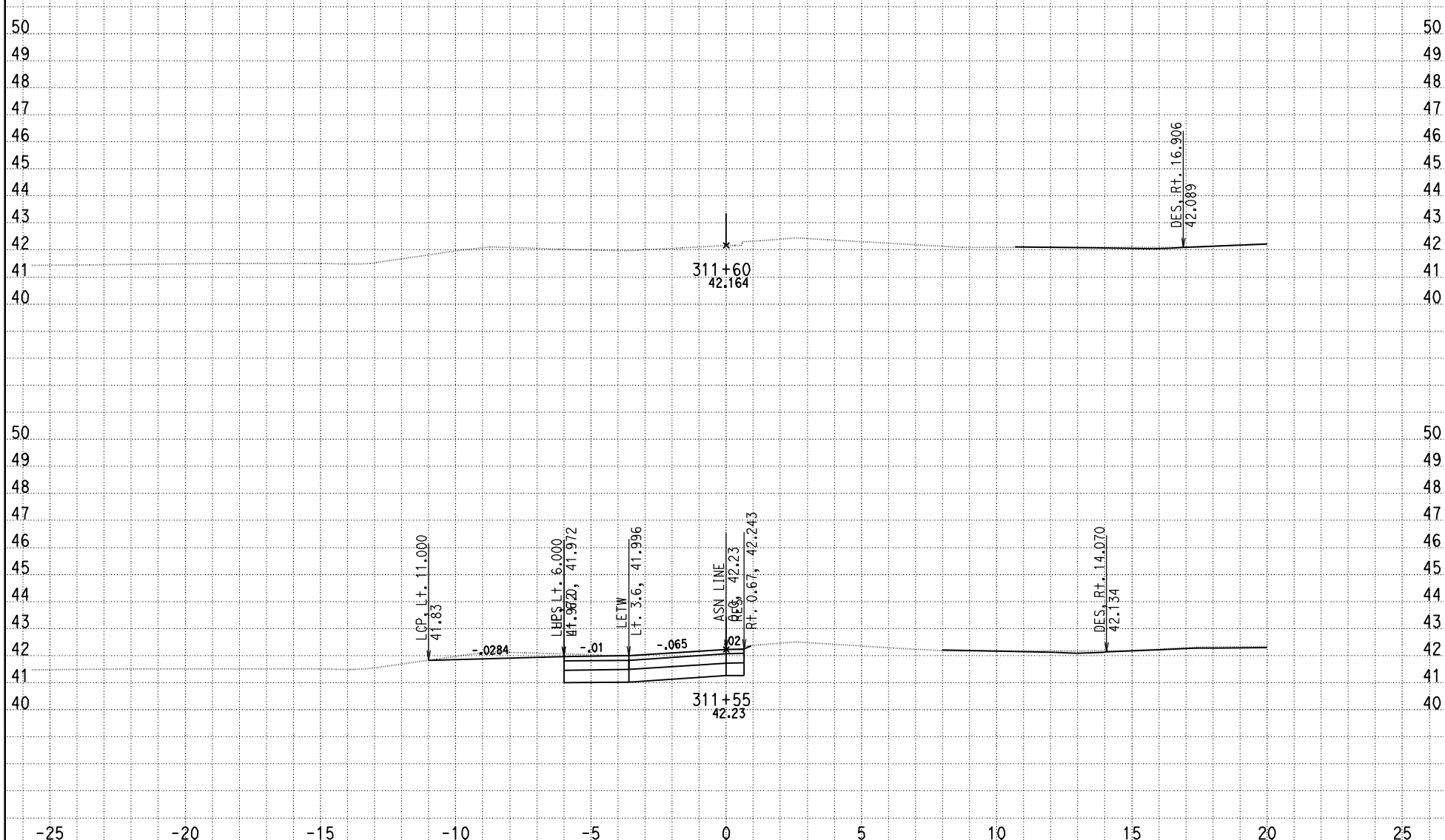
Project: 0230 File: D:\101-SONOMA\X-sections\ASN\asn-fg1.ear

ASN LINE

CROSS SECTIONS

SHEET 1 OF 2

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101

EA: 44770

35.6/47.7

CROSS SECTIONS CREATED BY: BH

DATE: 1/17/2008

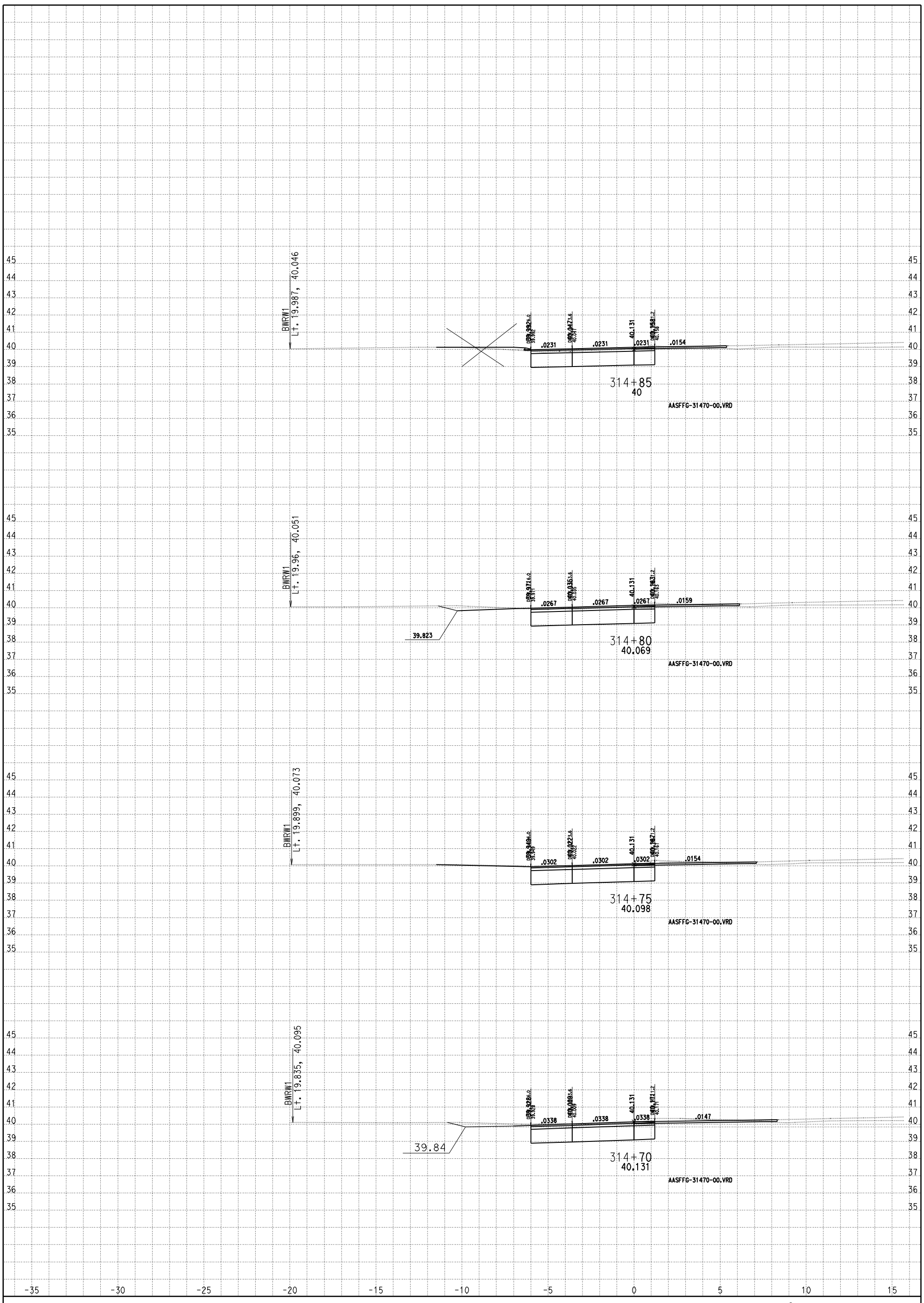
Scale Ratio: 1:100 Horiz.
1:100 Vert.

Project: 0230 File: D:\101-SONOMA\X-sections\ASN\asn-fg1.ear

ASN LINE

CROSS SECTIONS

SHEET 2 OF 2



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis\0230\AASFGRD2.ear

Plot Settings: AASFGRD2.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 2/9/2007

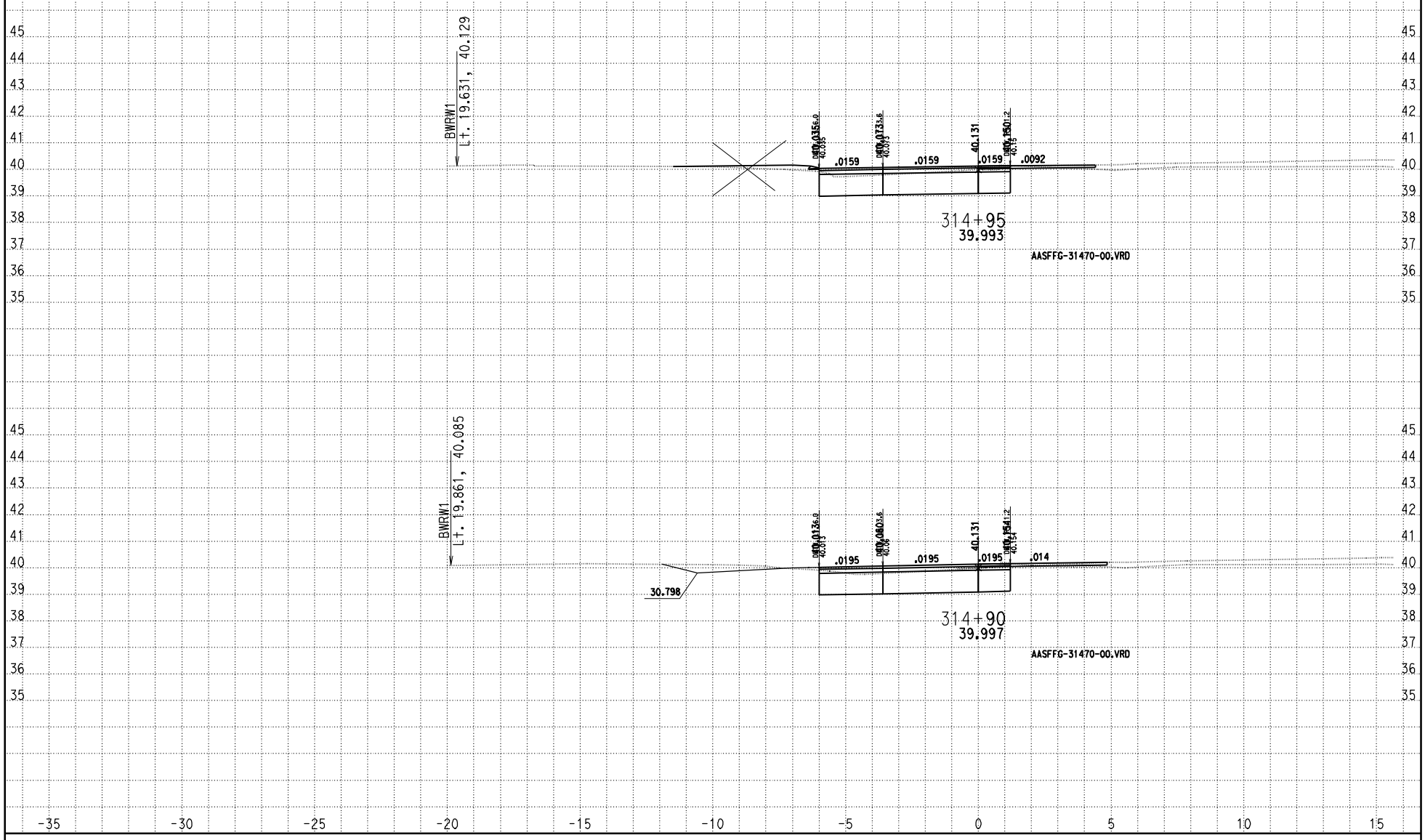
ALL DIMENSIONS ARE METRIC

Scale Ratio: 1:100 Horiz.
1:100 Vert.

ASF

CROSS SECTIONS

SHEET 1 OF 2



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis\0230\AASFGRD2.ear

Plot Settings: AASFGRD2.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 2/9/2007

ALL DIMENSIONS ARE METRIC

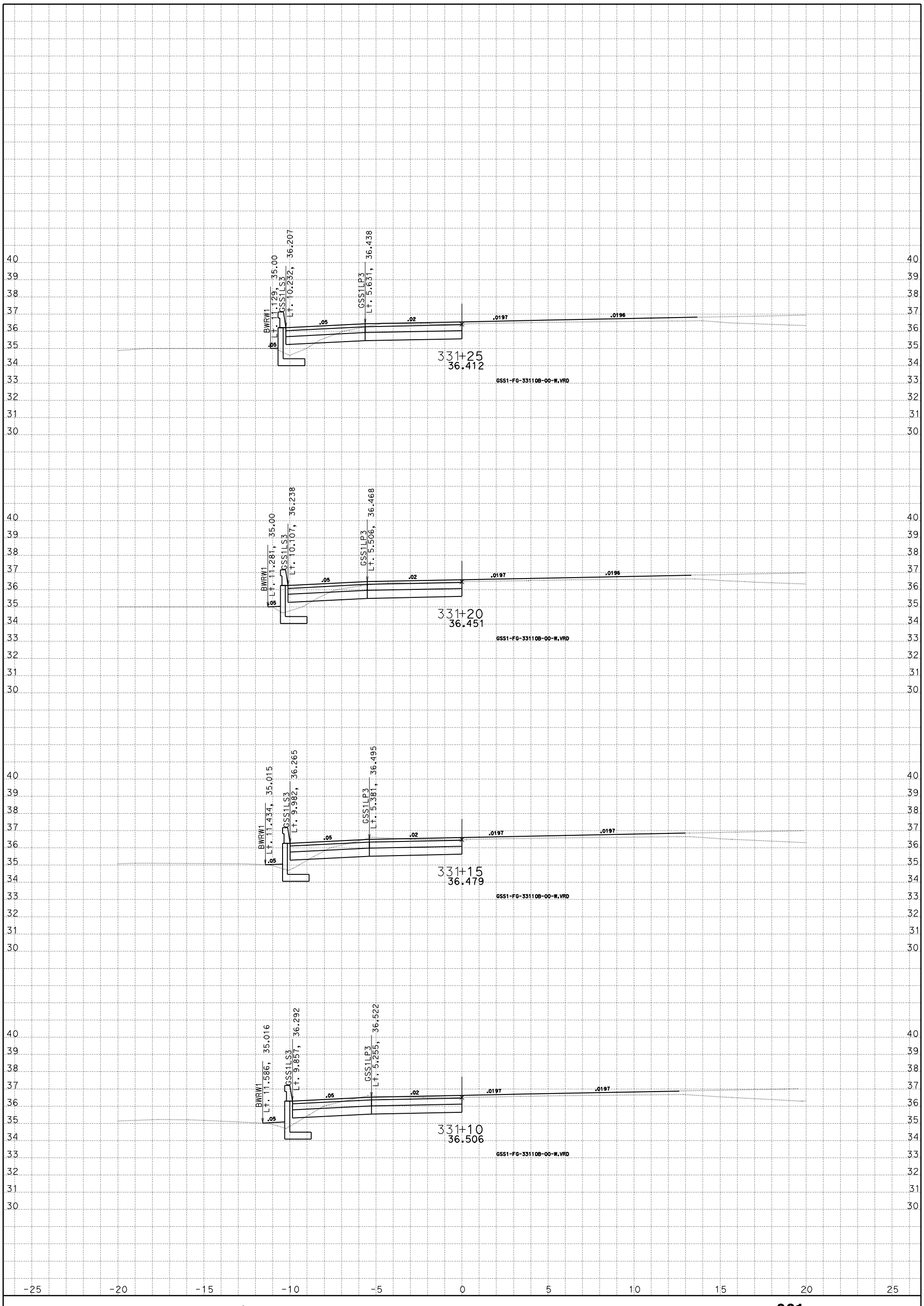
Scale Ratio: 1:100 Horiz.
1:100 Vert.

ASF

CROSS SECTIONS

SHEET 2 OF 2

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

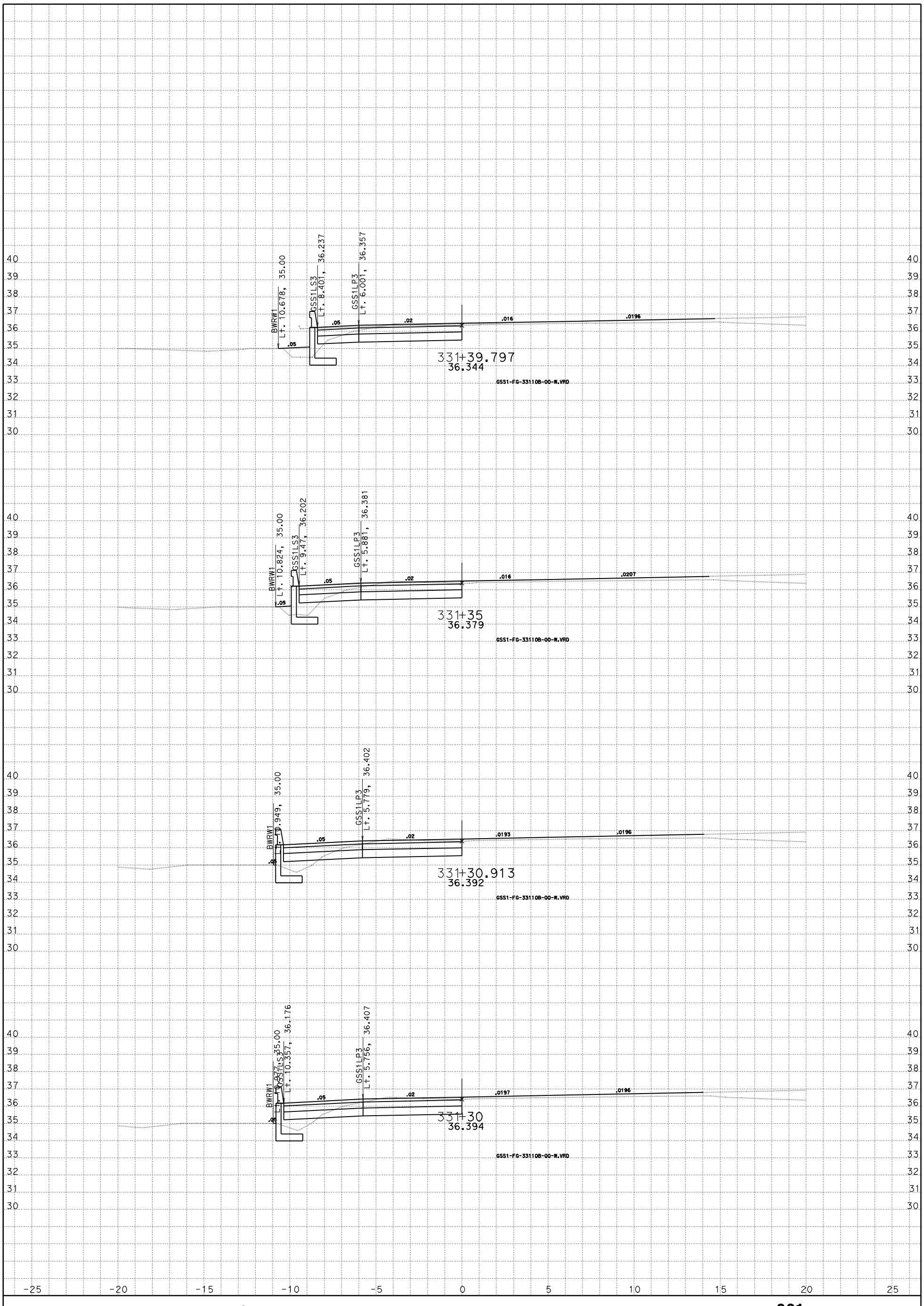
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 1 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

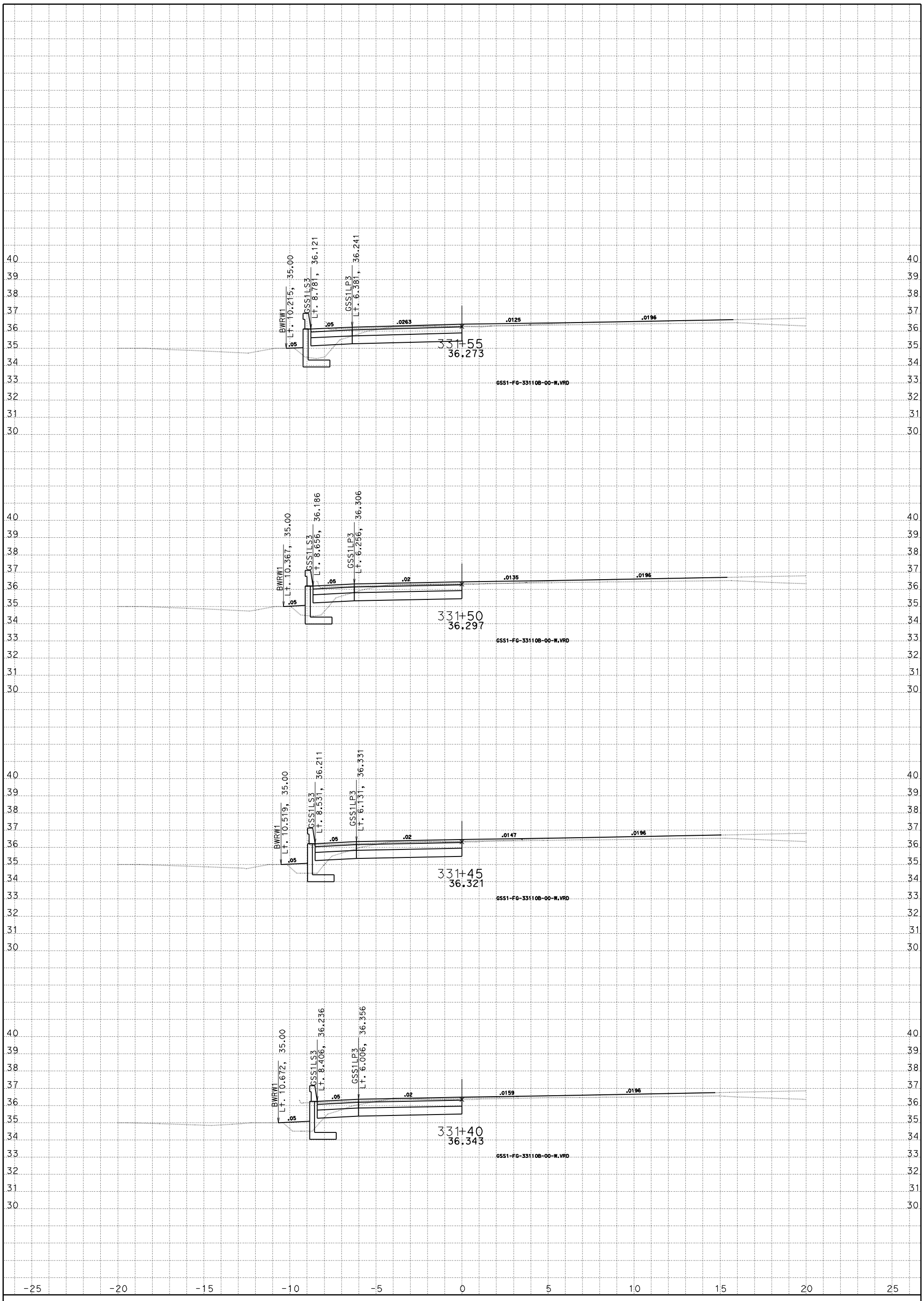
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 2 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

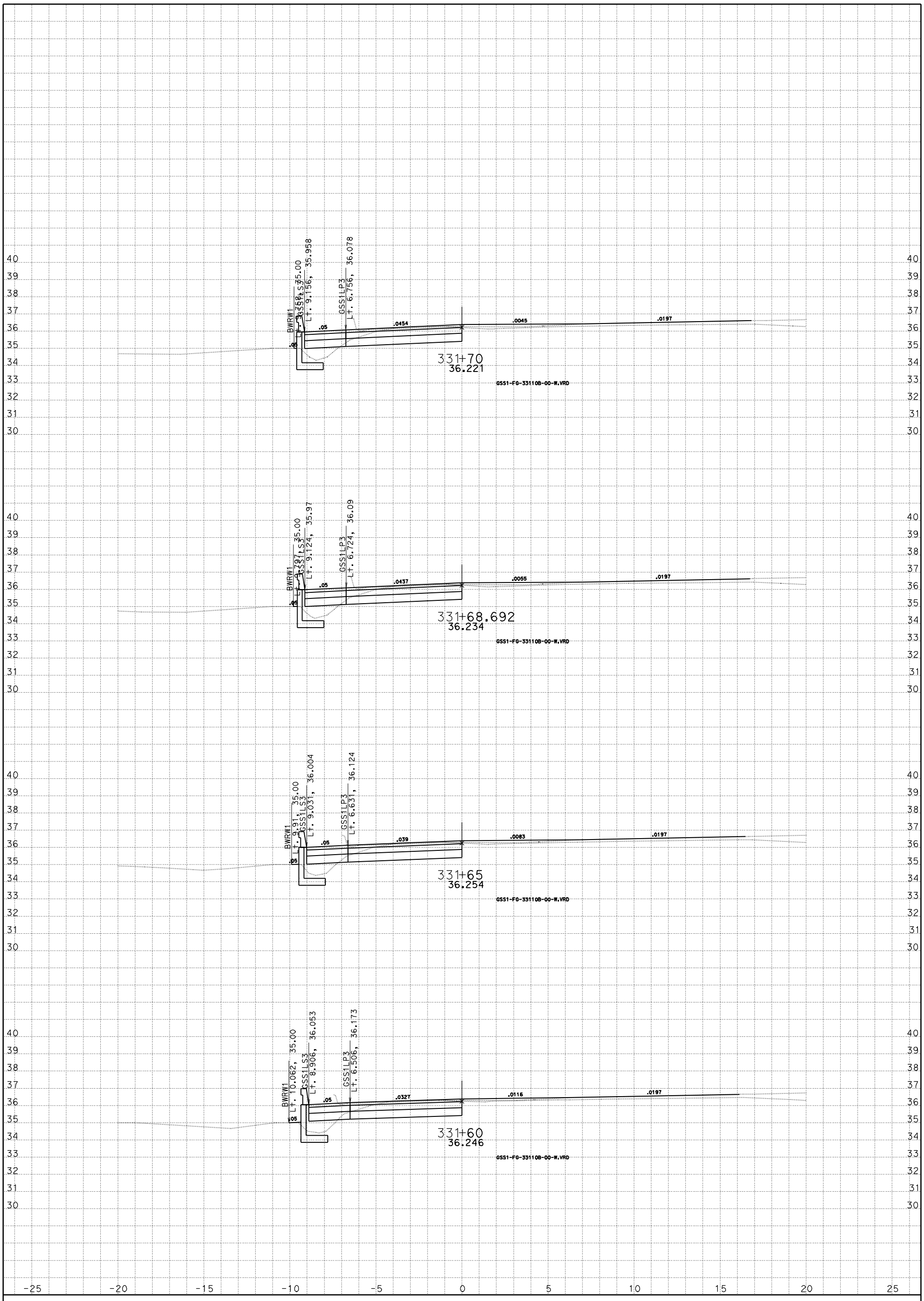
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 3 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

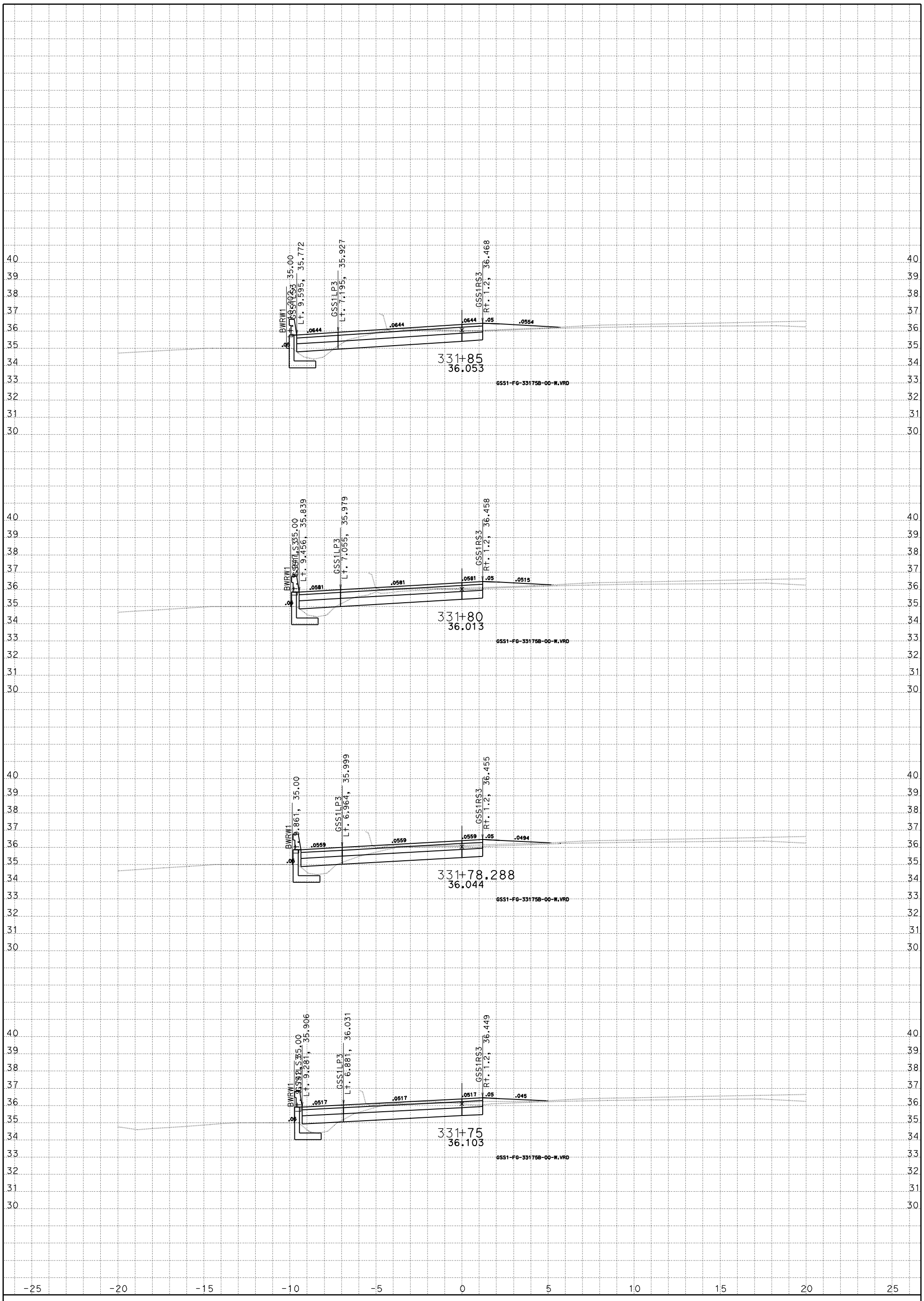
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 4 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

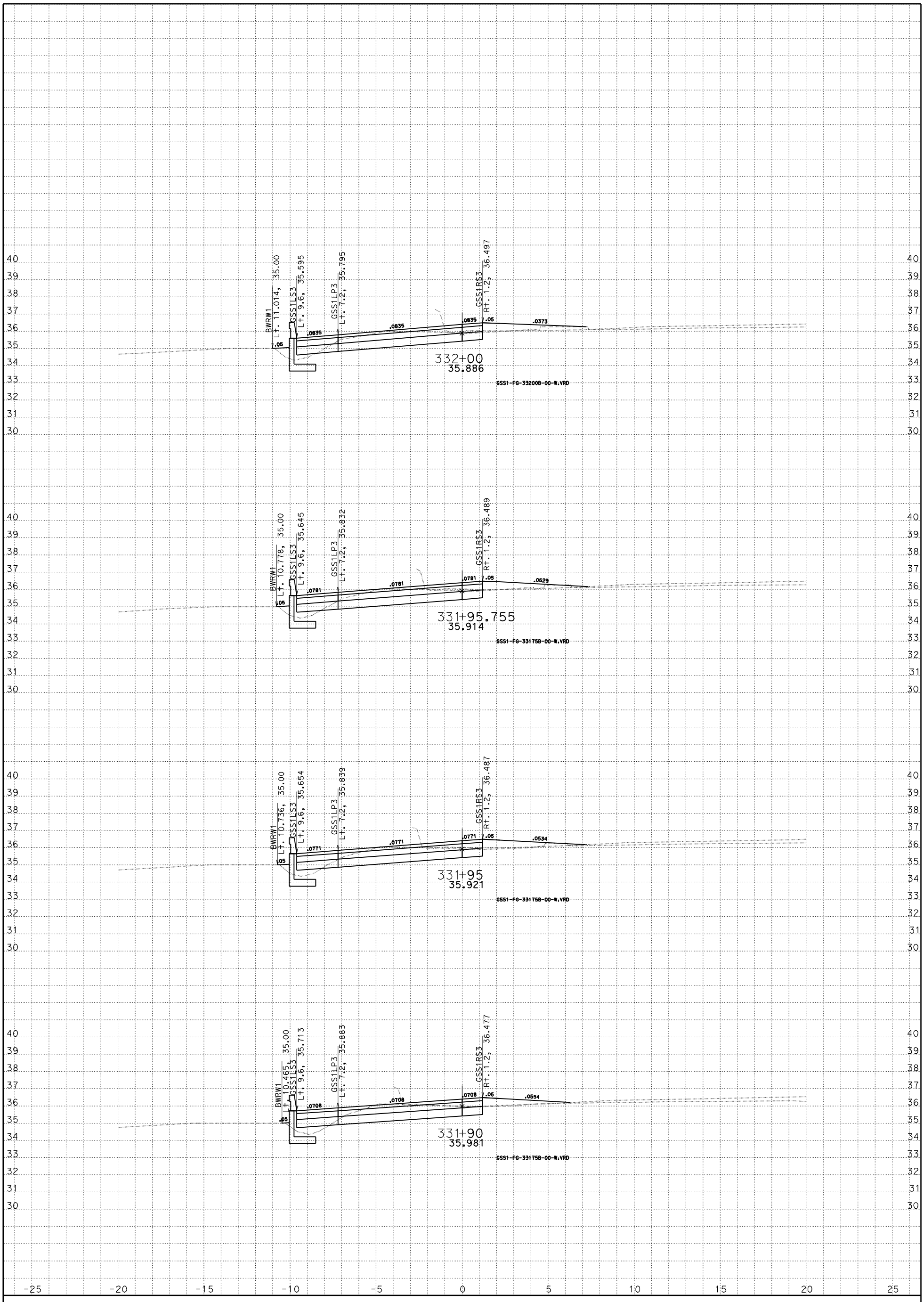
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 5 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

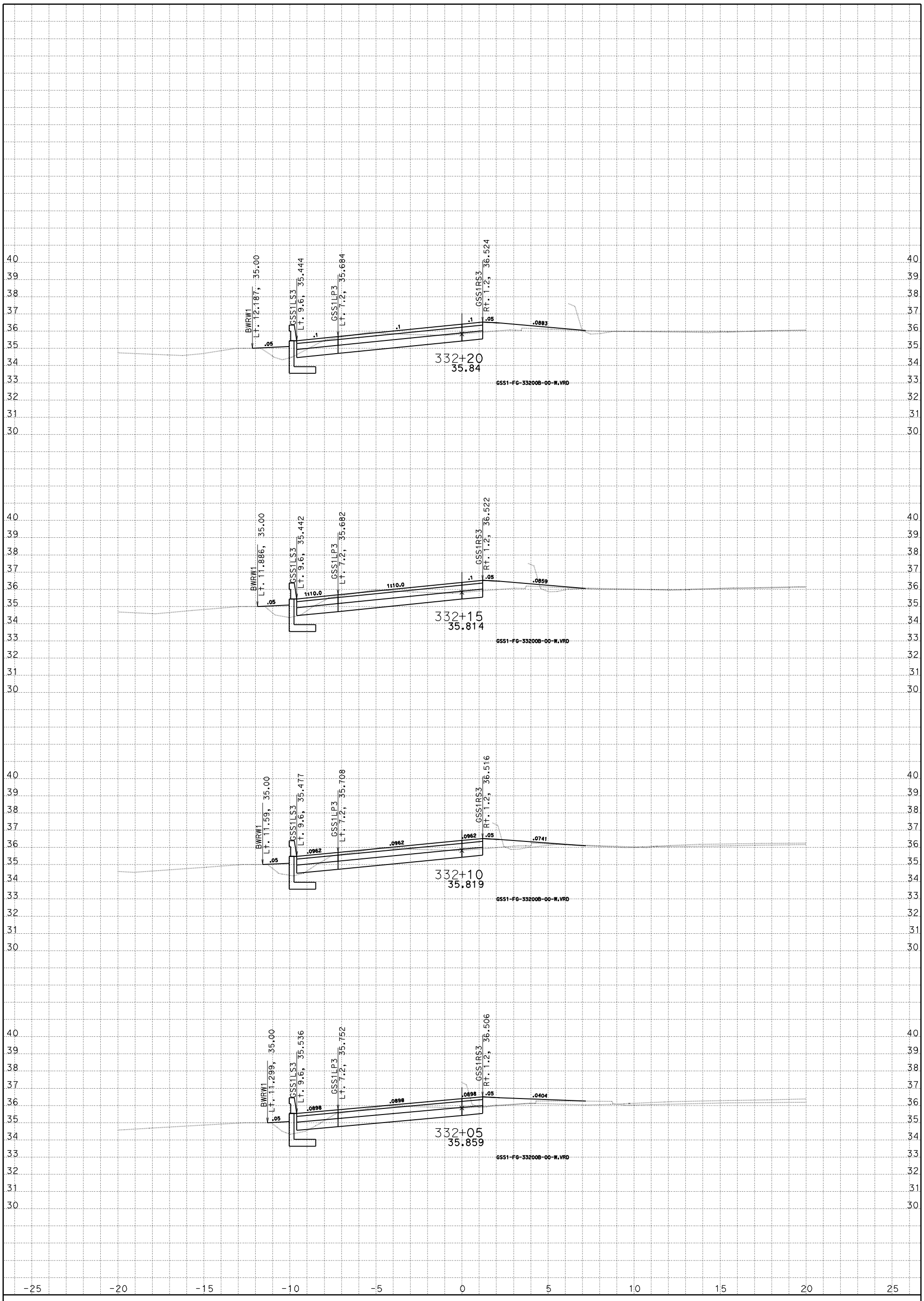
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 6 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

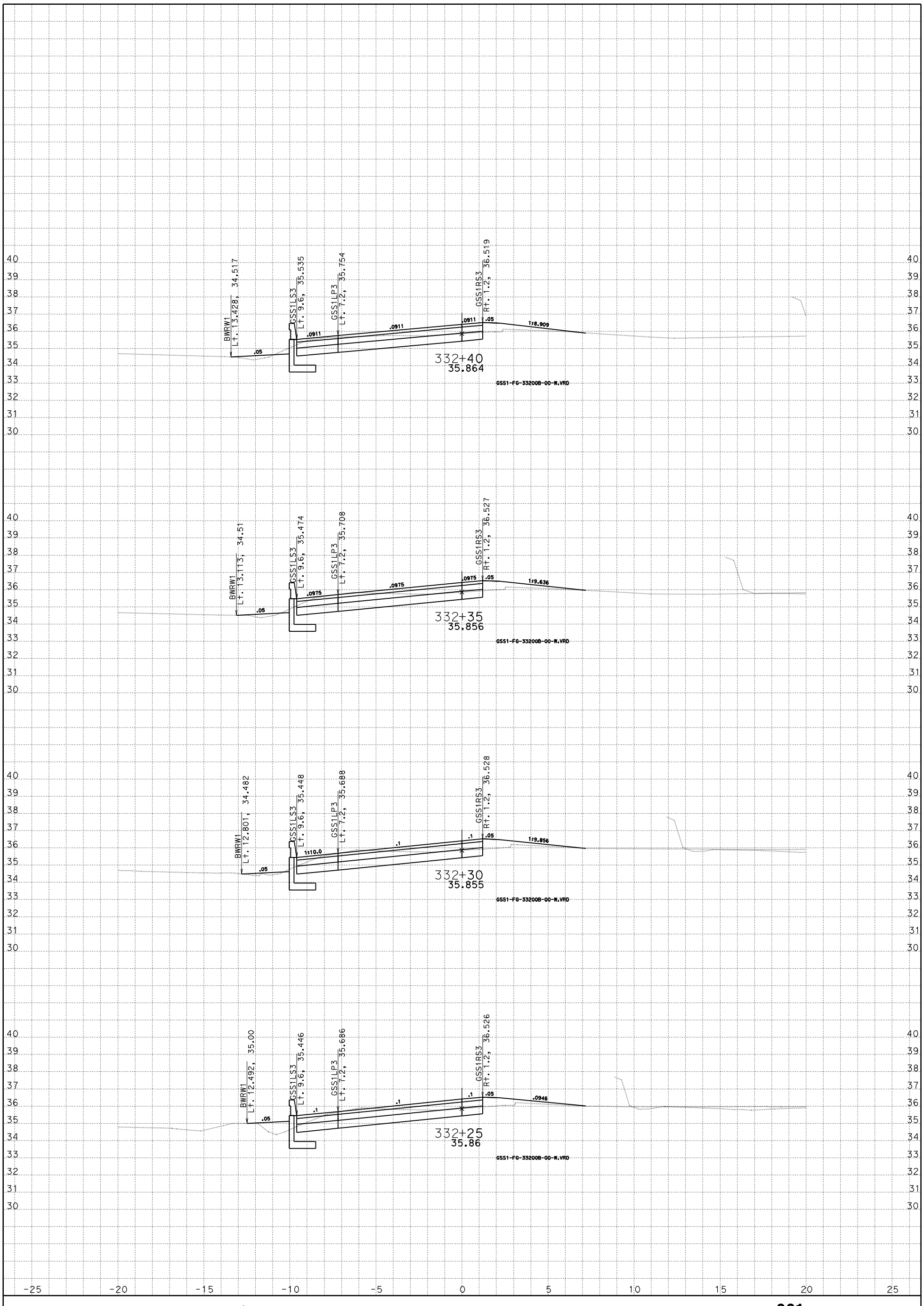
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 7 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

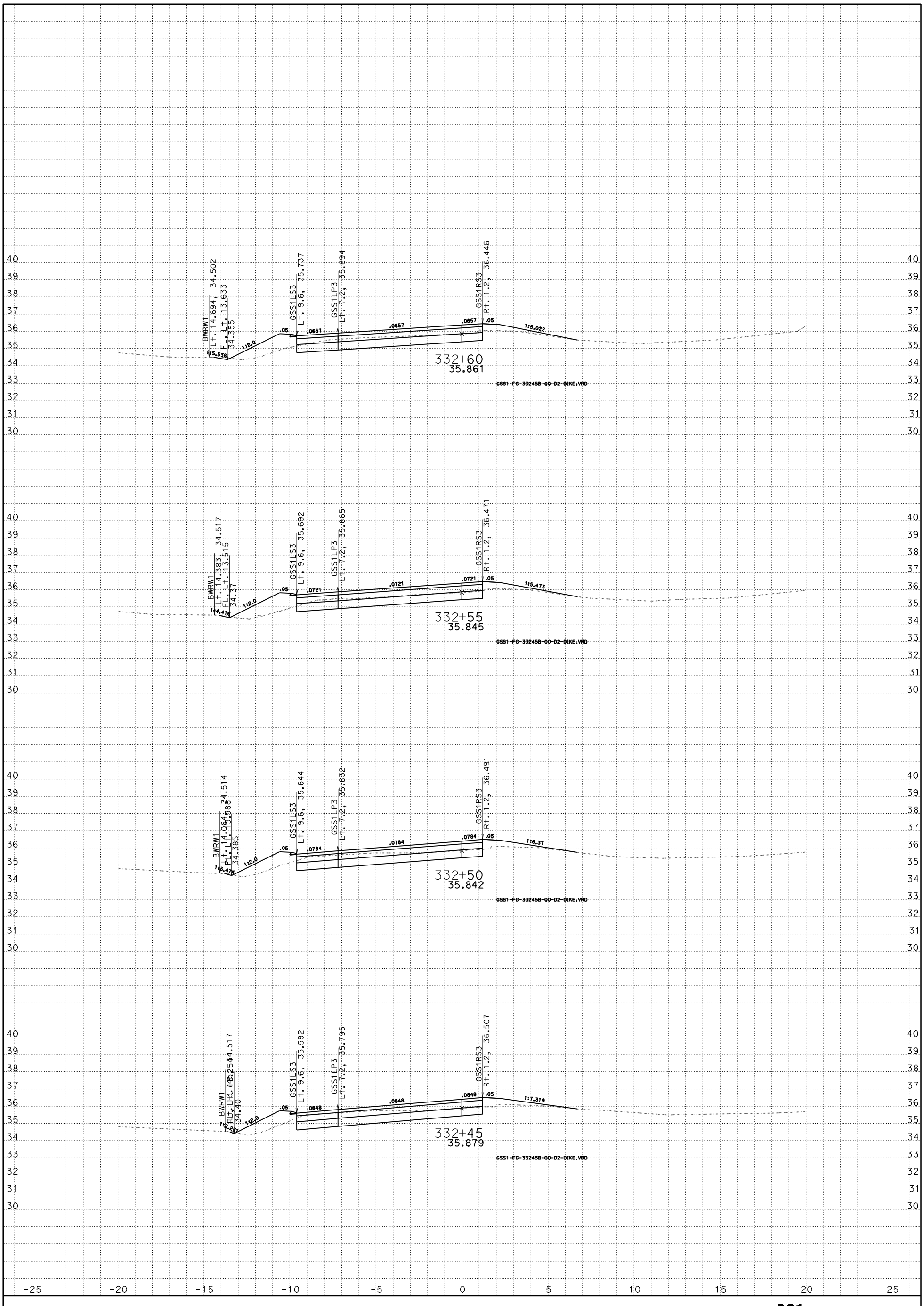
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 8 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

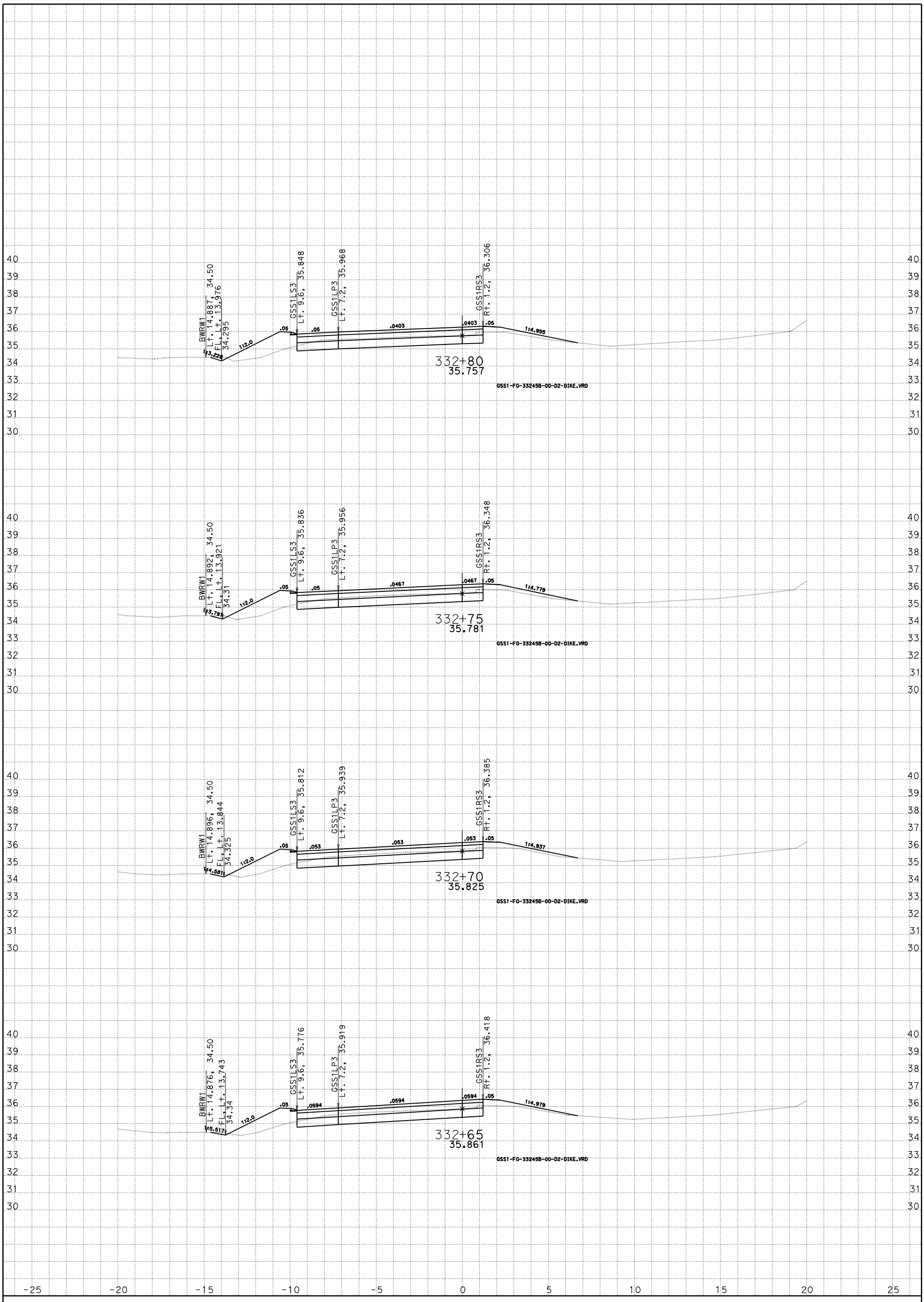
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 9 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

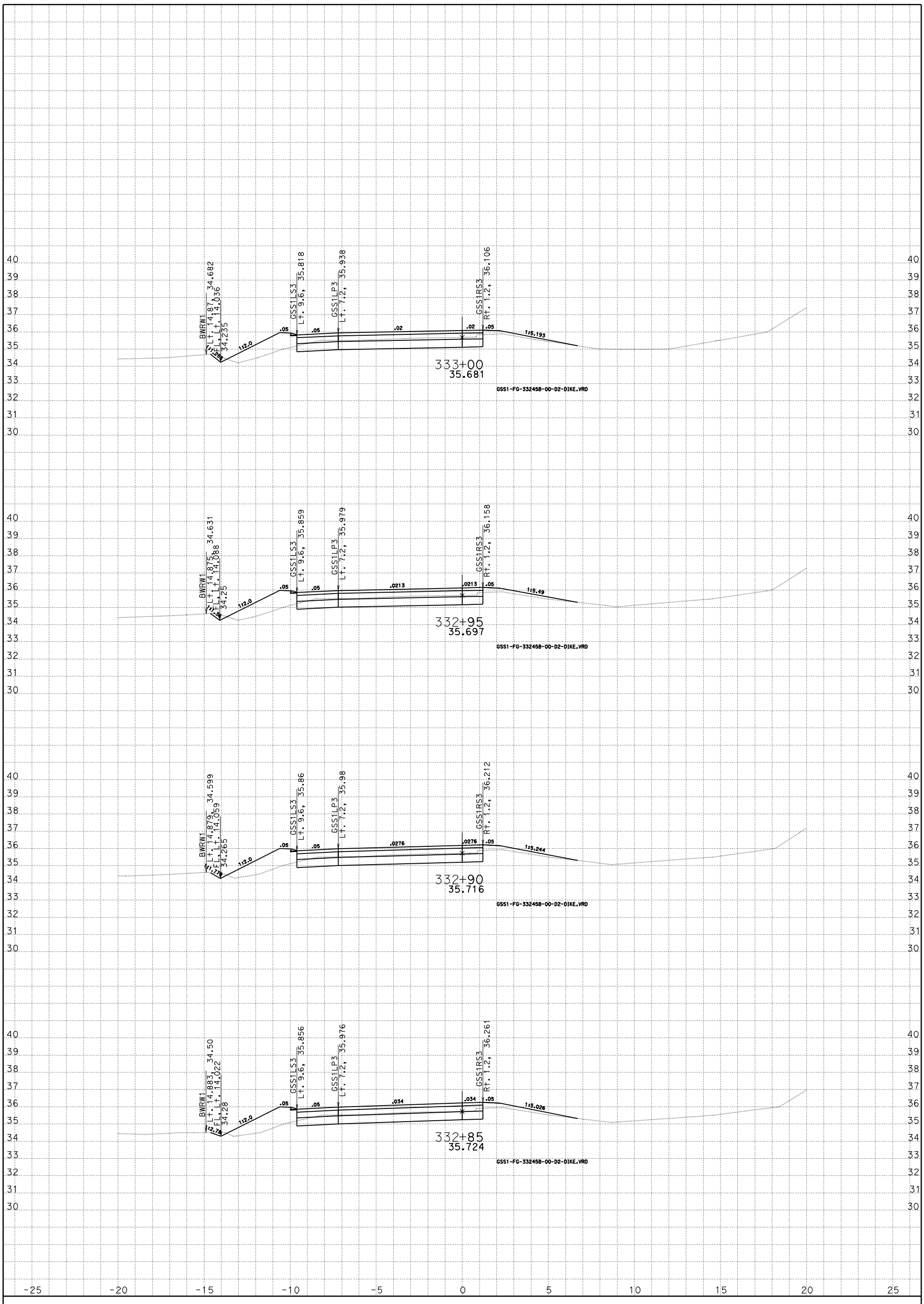
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 10 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

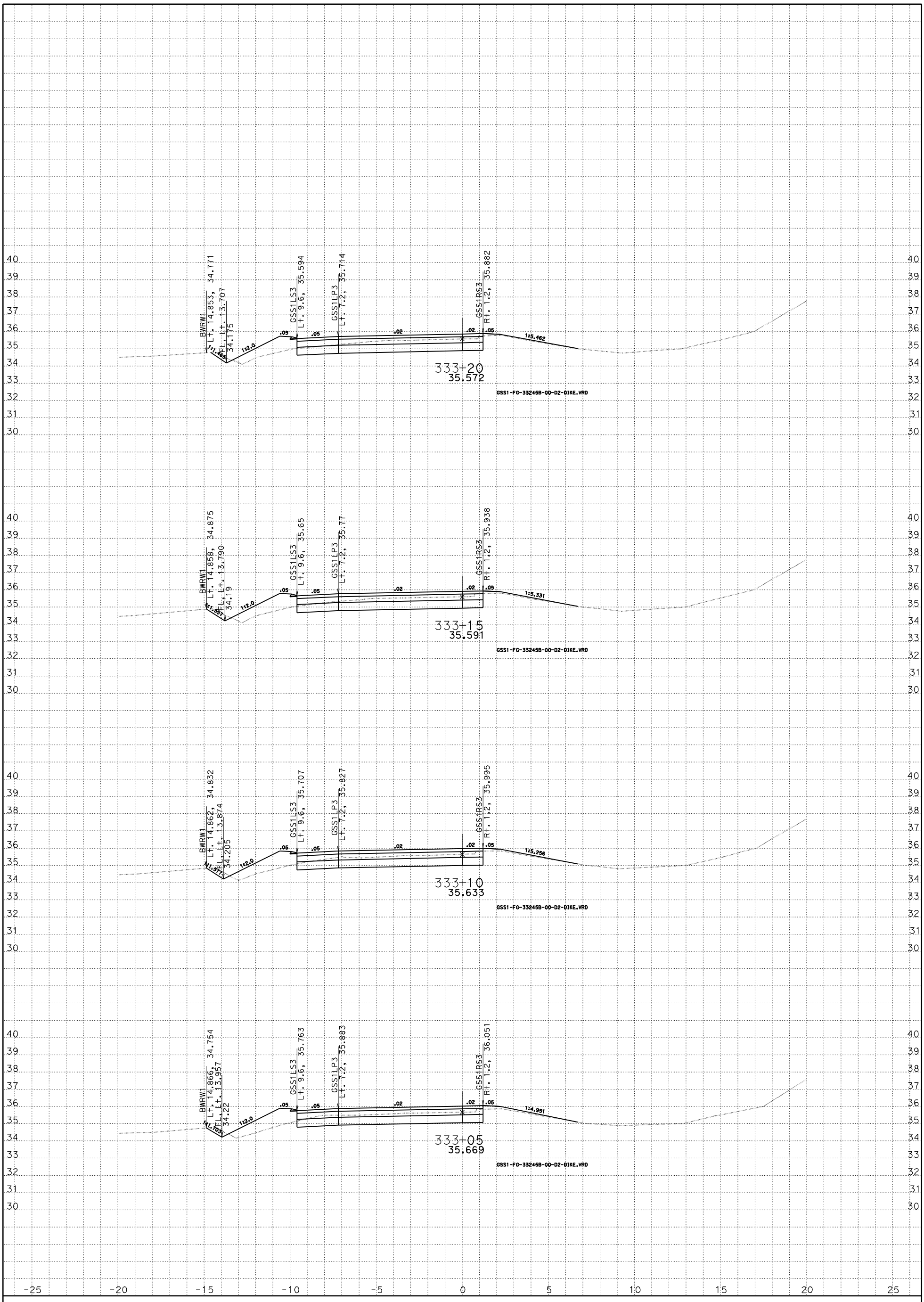
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 11 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

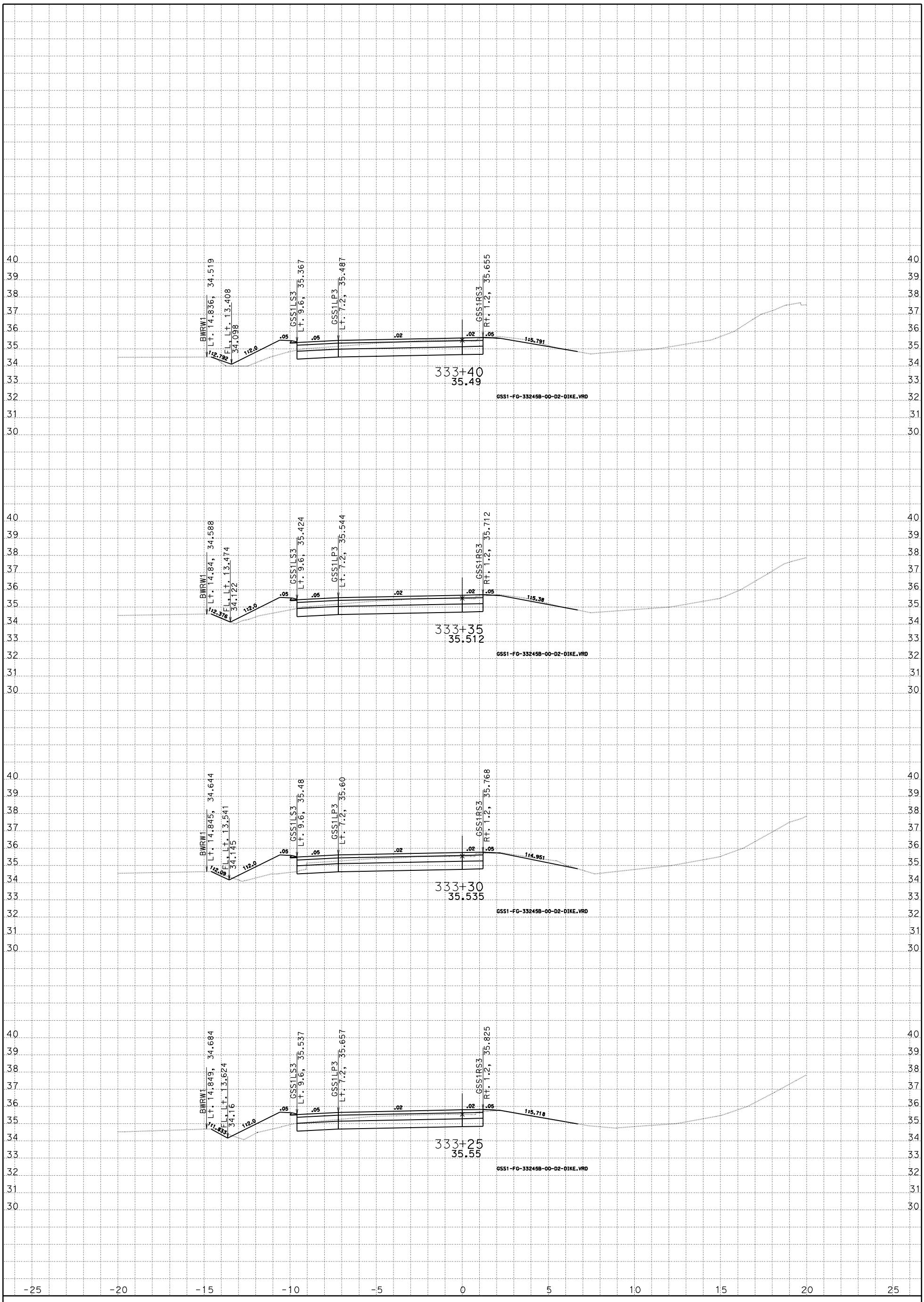
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 12 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

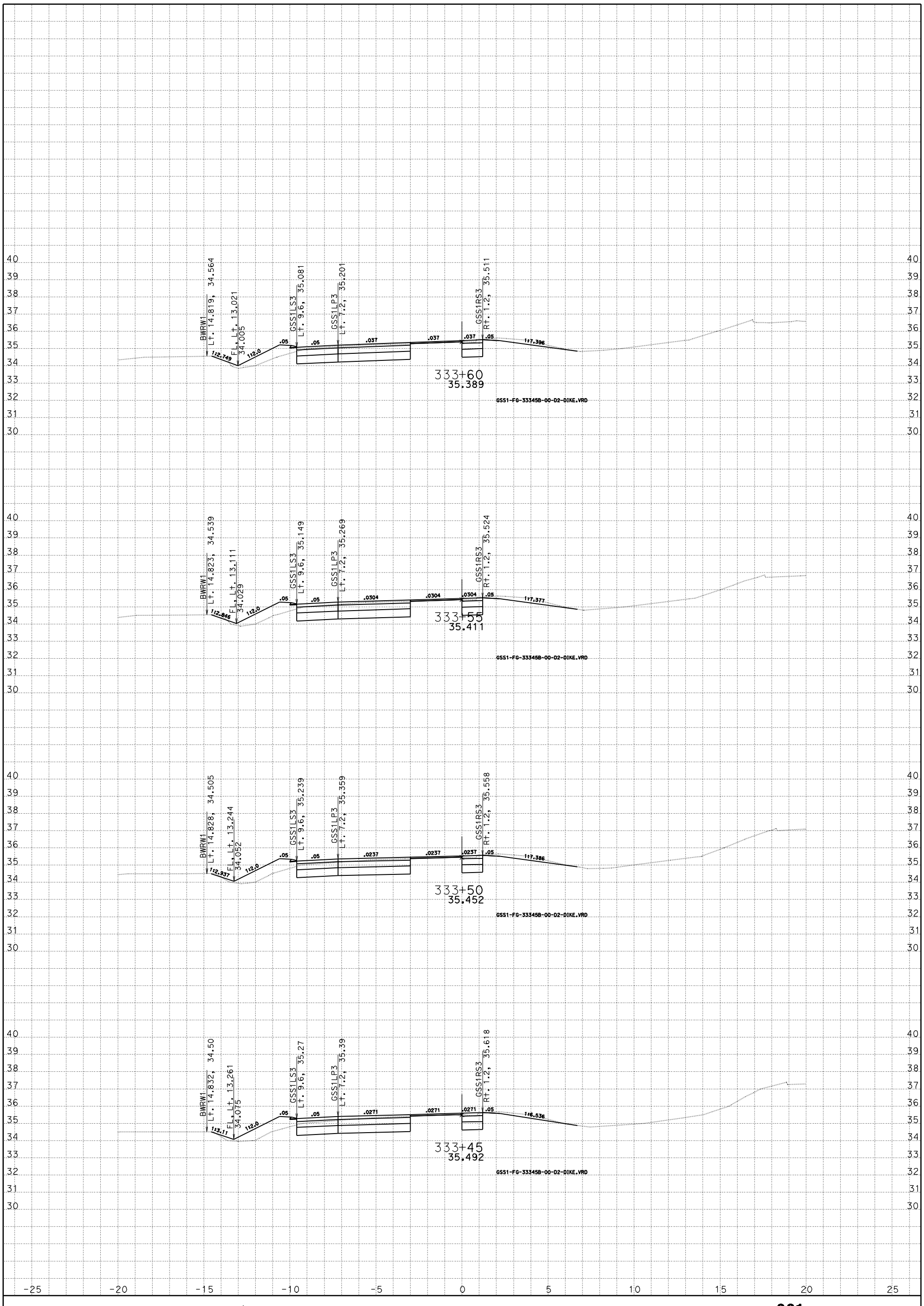
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 13 OF 20

DESIGN STUDY ONLY



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Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

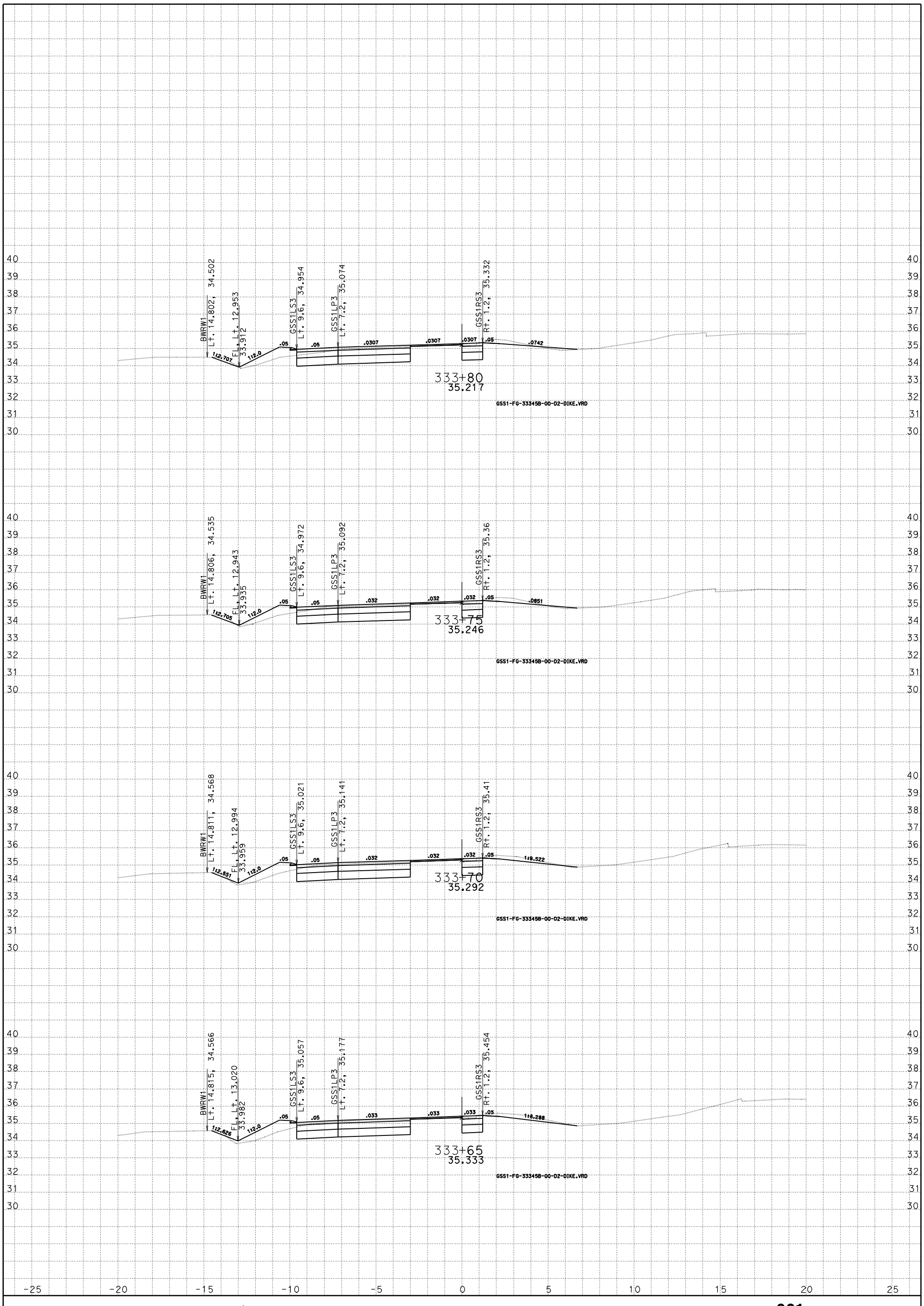
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 14 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

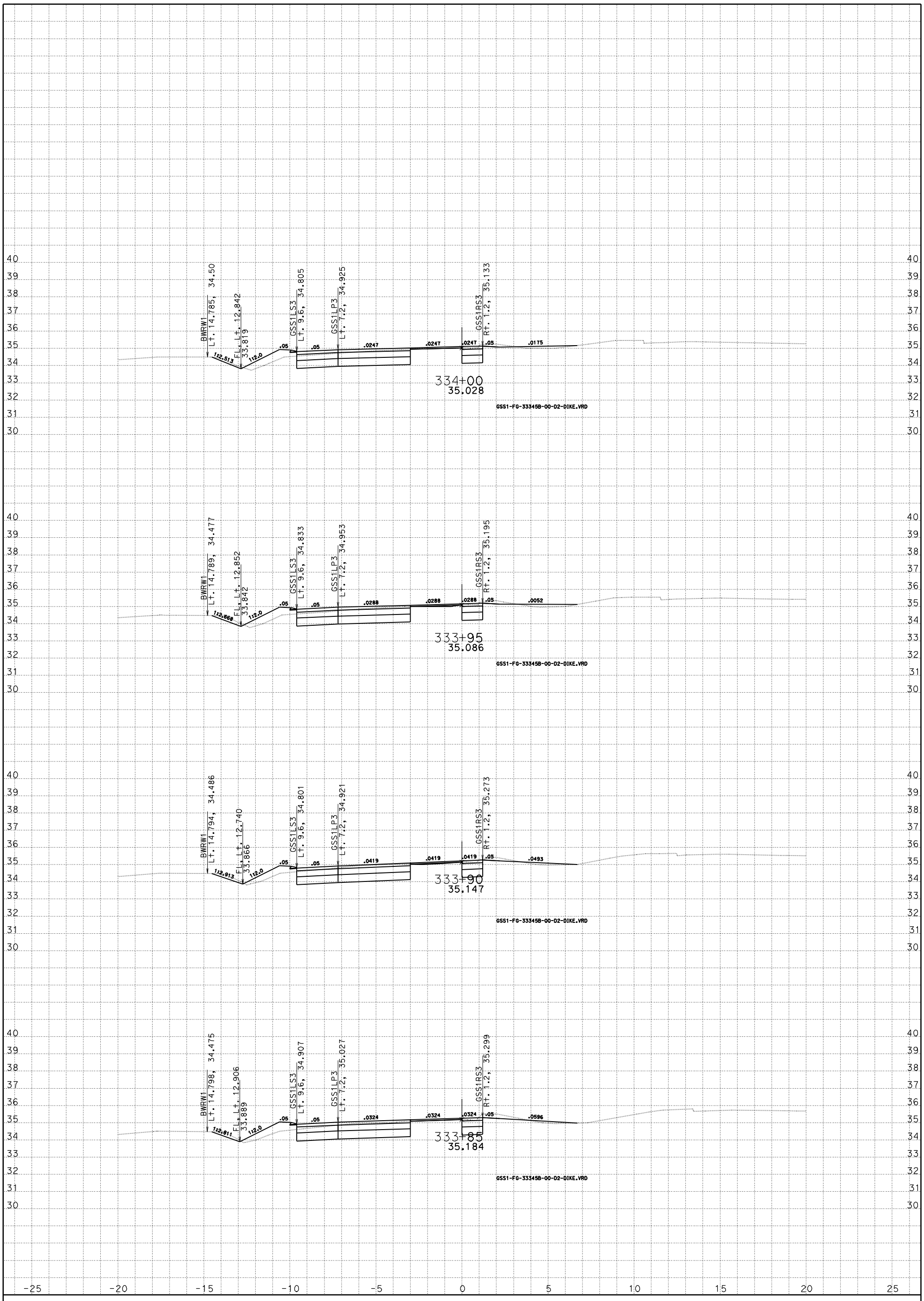
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 15 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

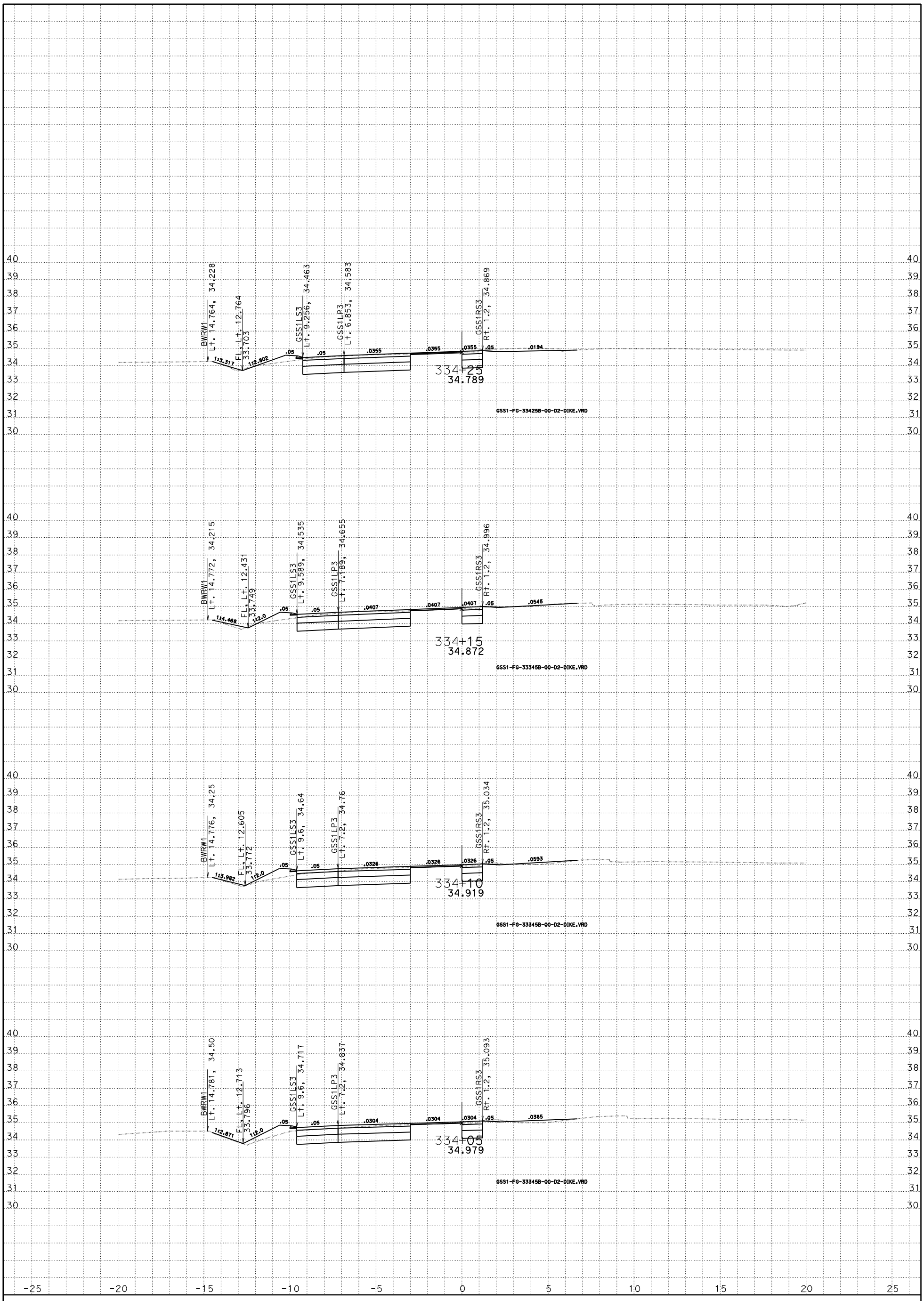
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 16 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

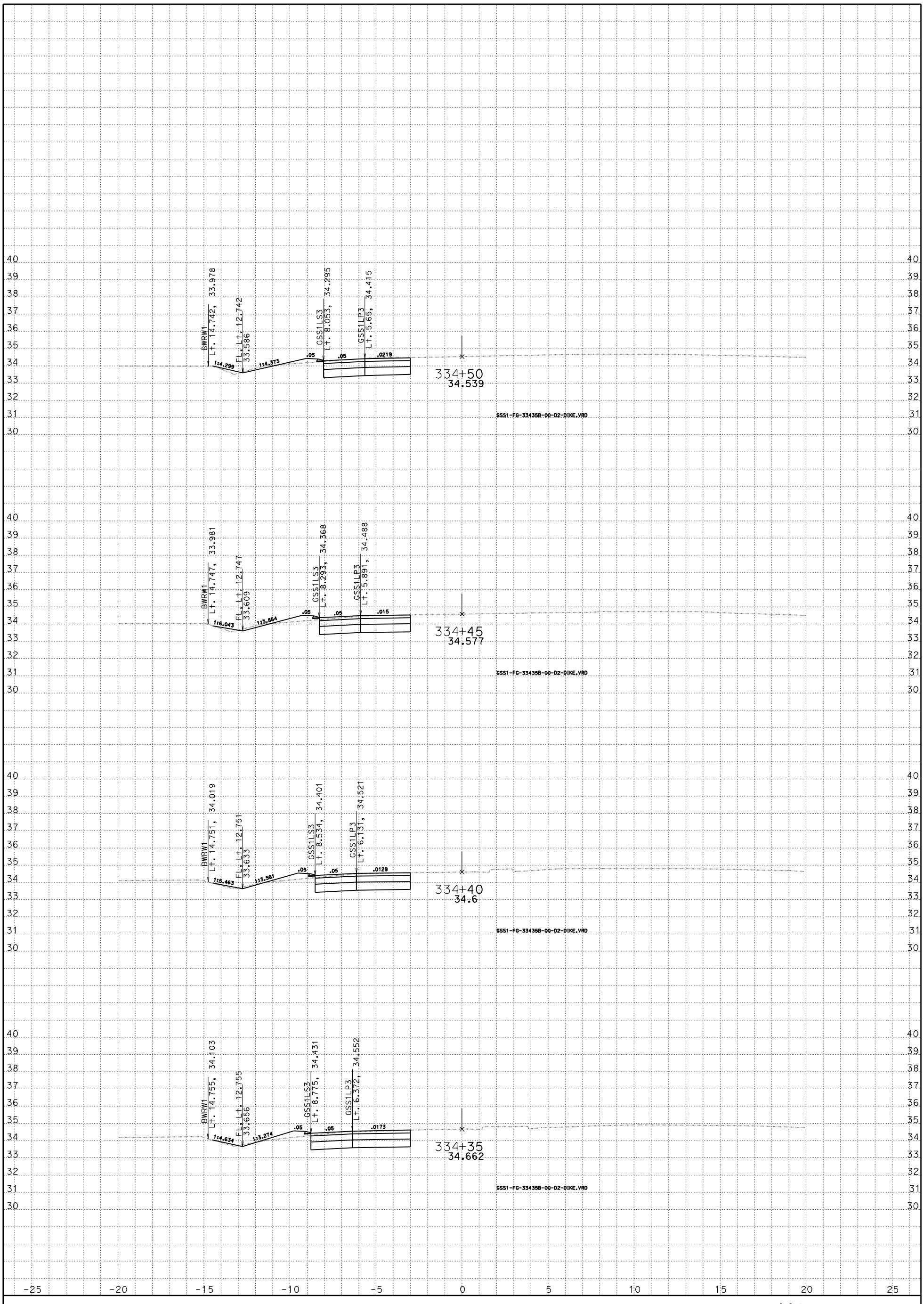
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 17 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

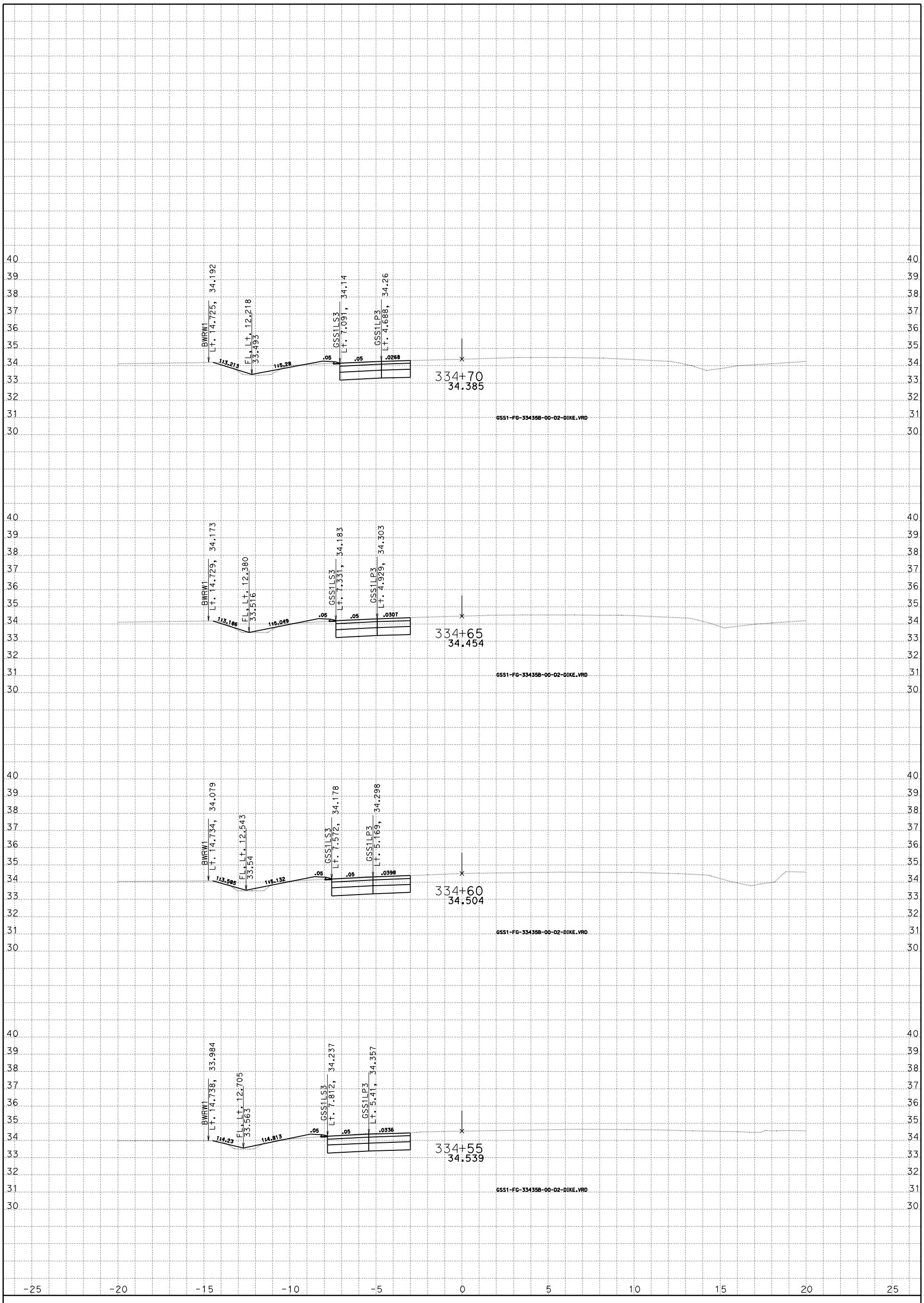
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 18 OF 20

DESIGN STUDY ONLY



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Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

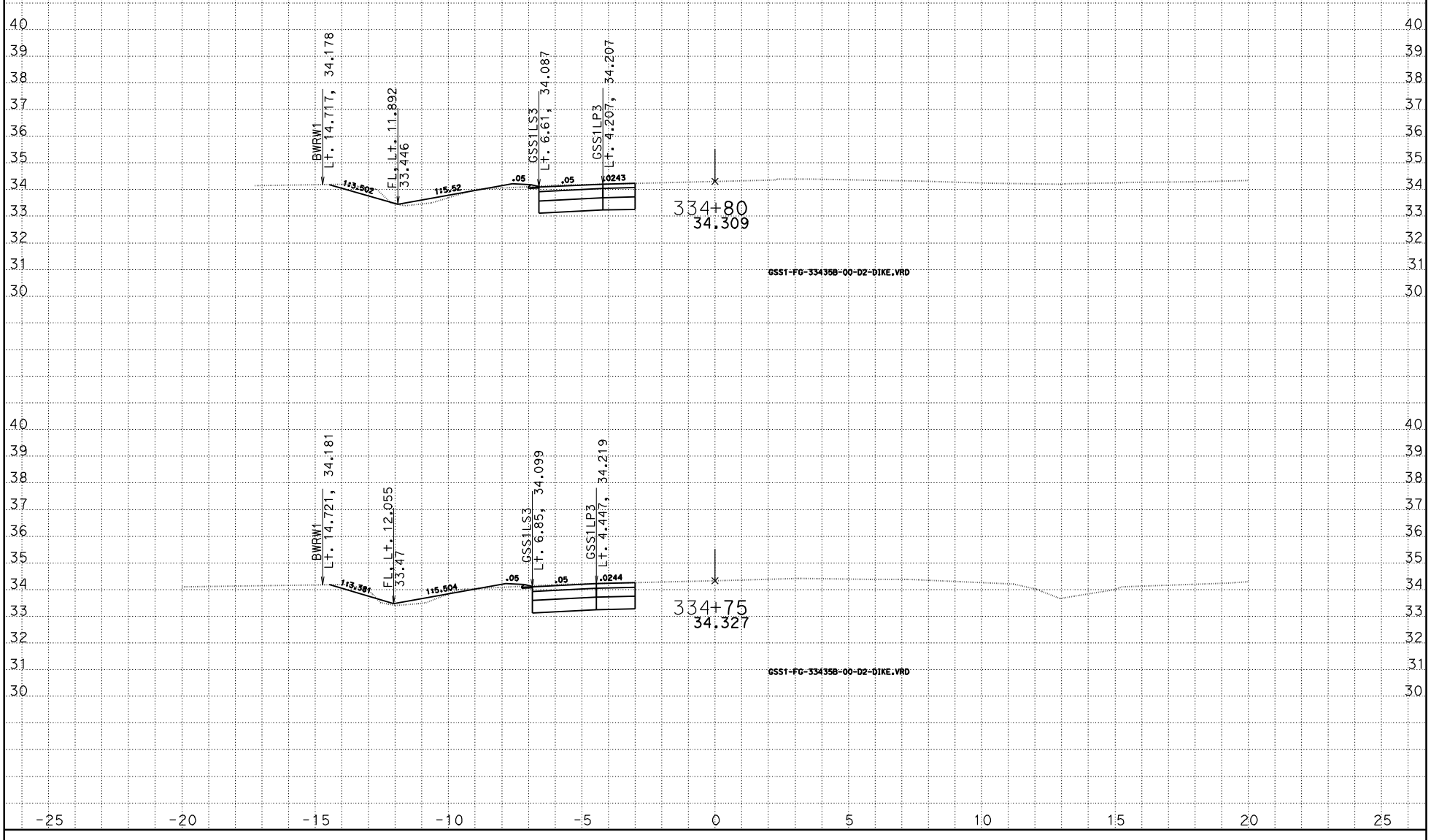
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 19 OF 20

DESIGN STUDY ONLY



CROSS SECTIONS CREATED BY: L. Gutierrez

Project: 0230 File: D:\Luis*0\ass1fgrd7.ear

Plot Settings: ASS1FGRD7.inx

PROJECT: SO 101 WIDENING

EA: 447701

DATE: 23/04/2008

ALL DIMENSIONS ARE METRIC

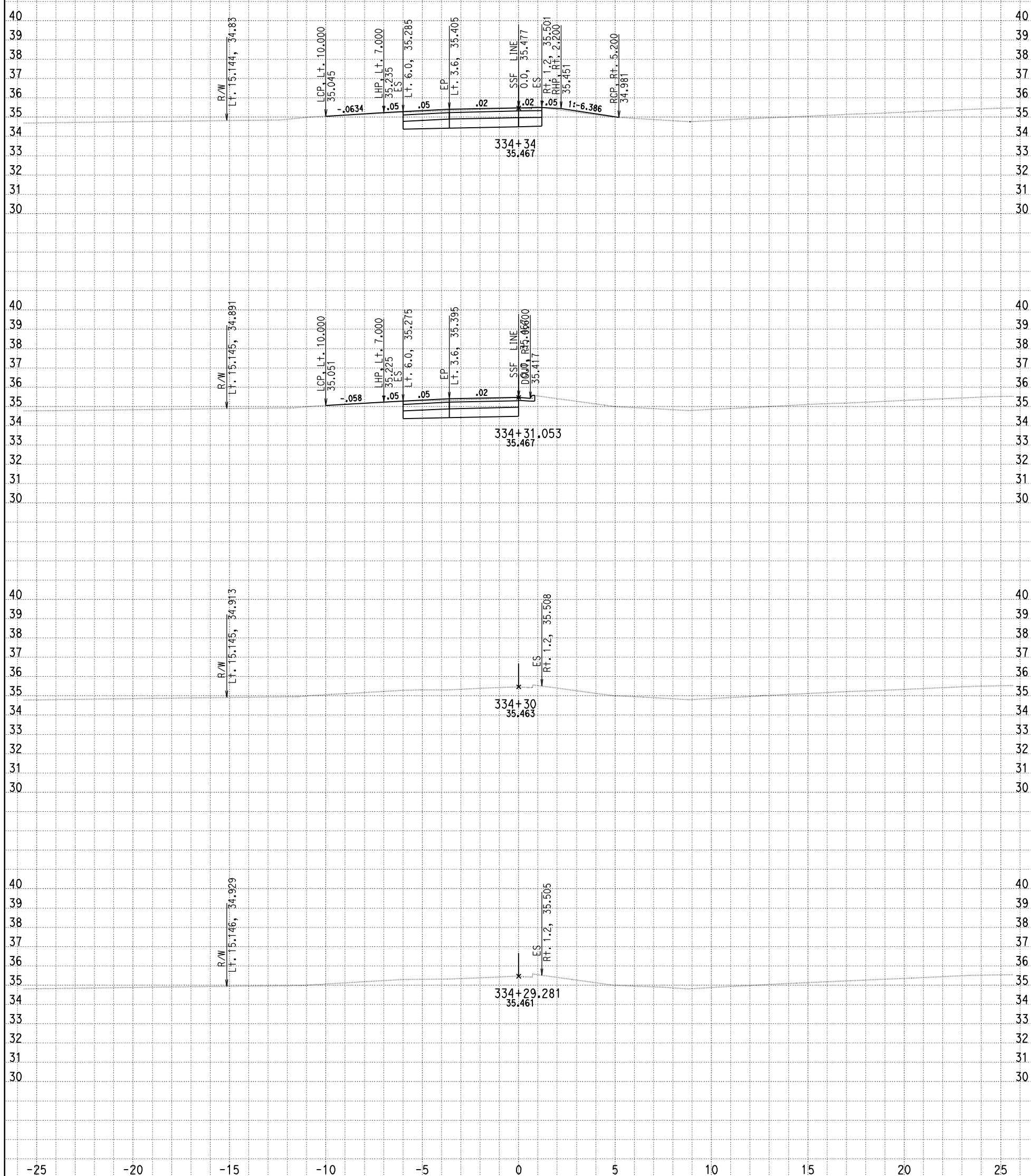
Scale Ratio: 1:100 Horiz.
1:100 Vert.

SS1

CROSS SECTIONS

SHEET 20 OF 20

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

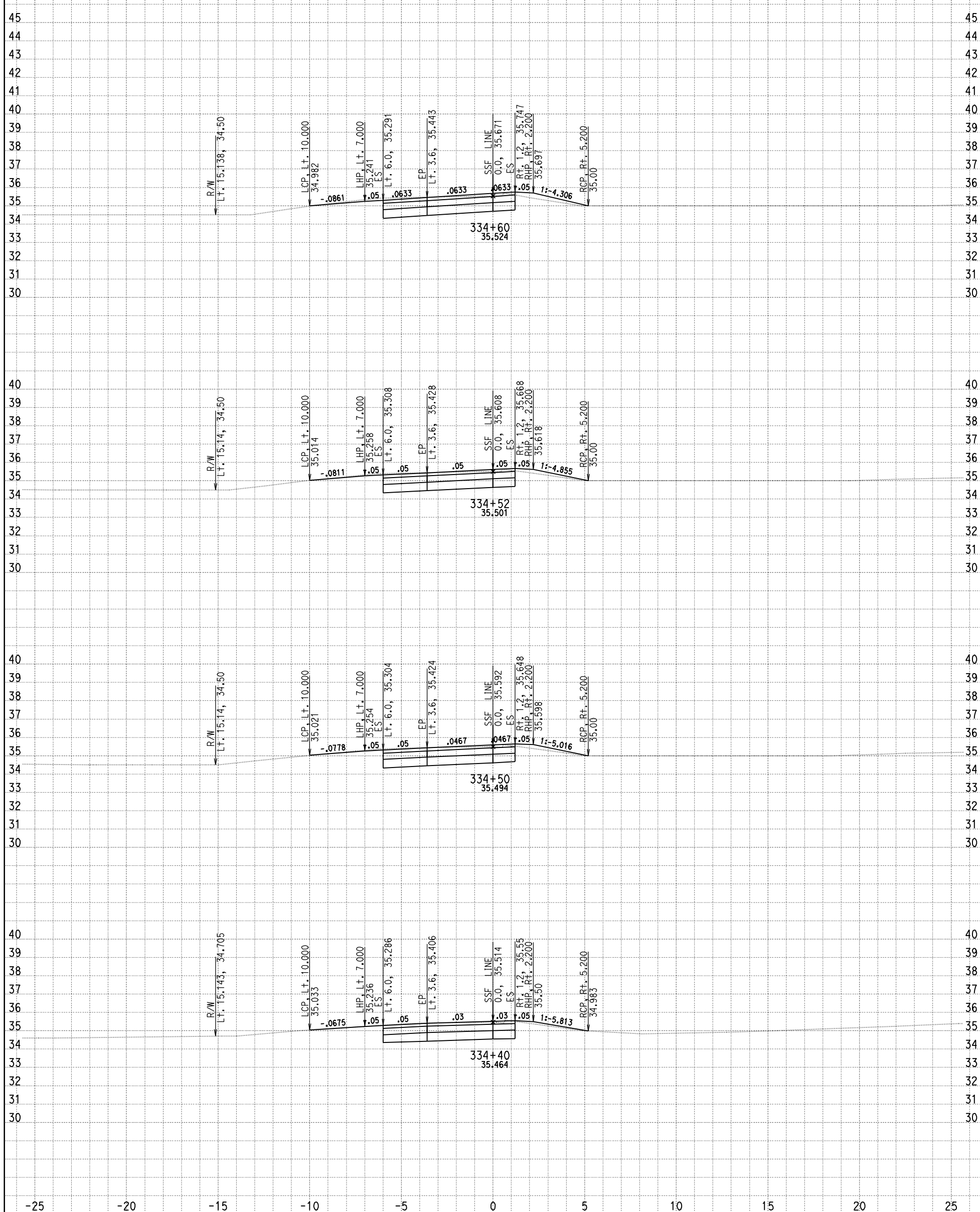
ASSFCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\SSF XSect\assfcn1-ditch-sdh.ear

SHEET 1 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

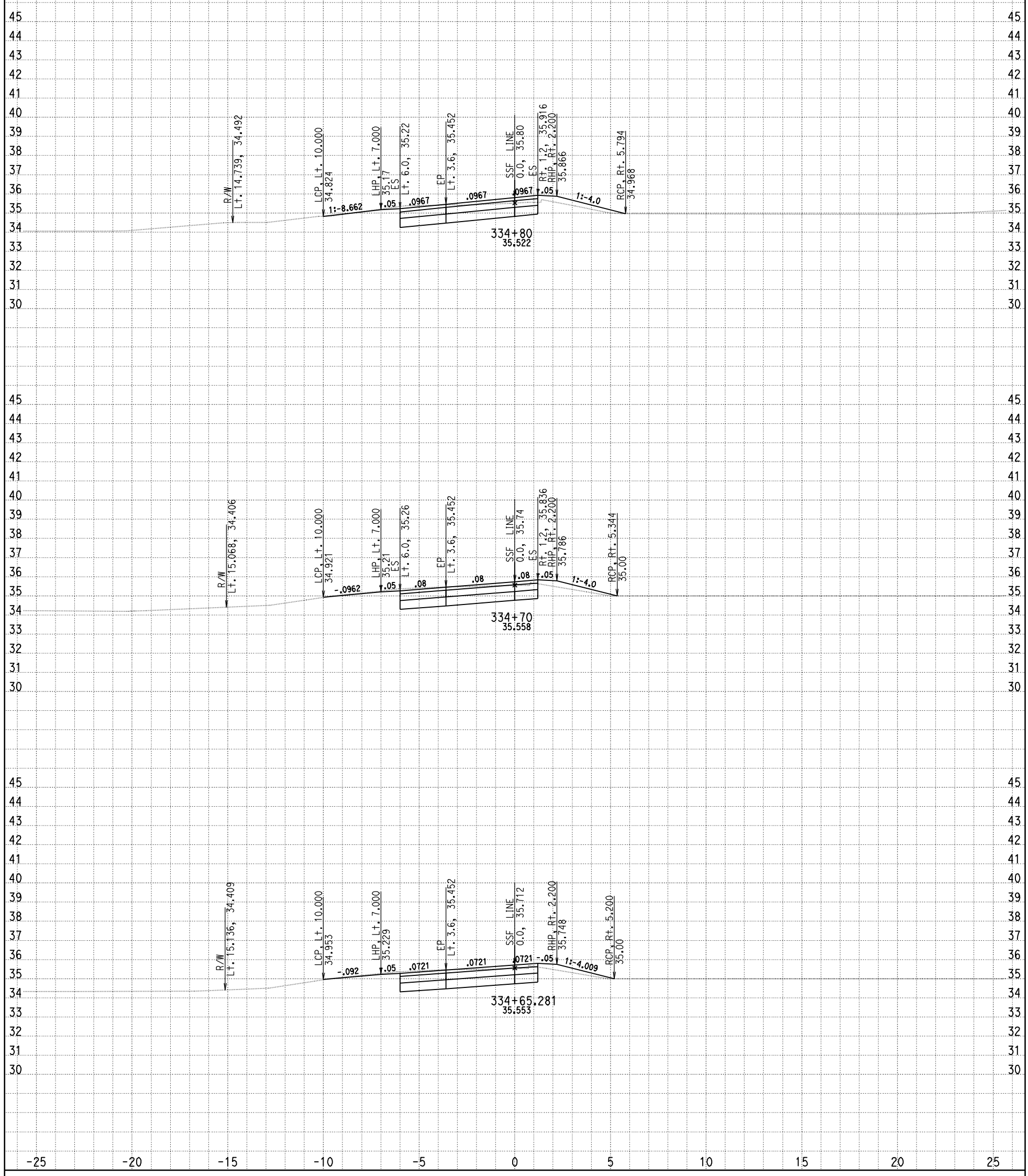
ASSFCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\SSF XSect\assfcn1-ditch-sdh.ear

SHEET 2 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

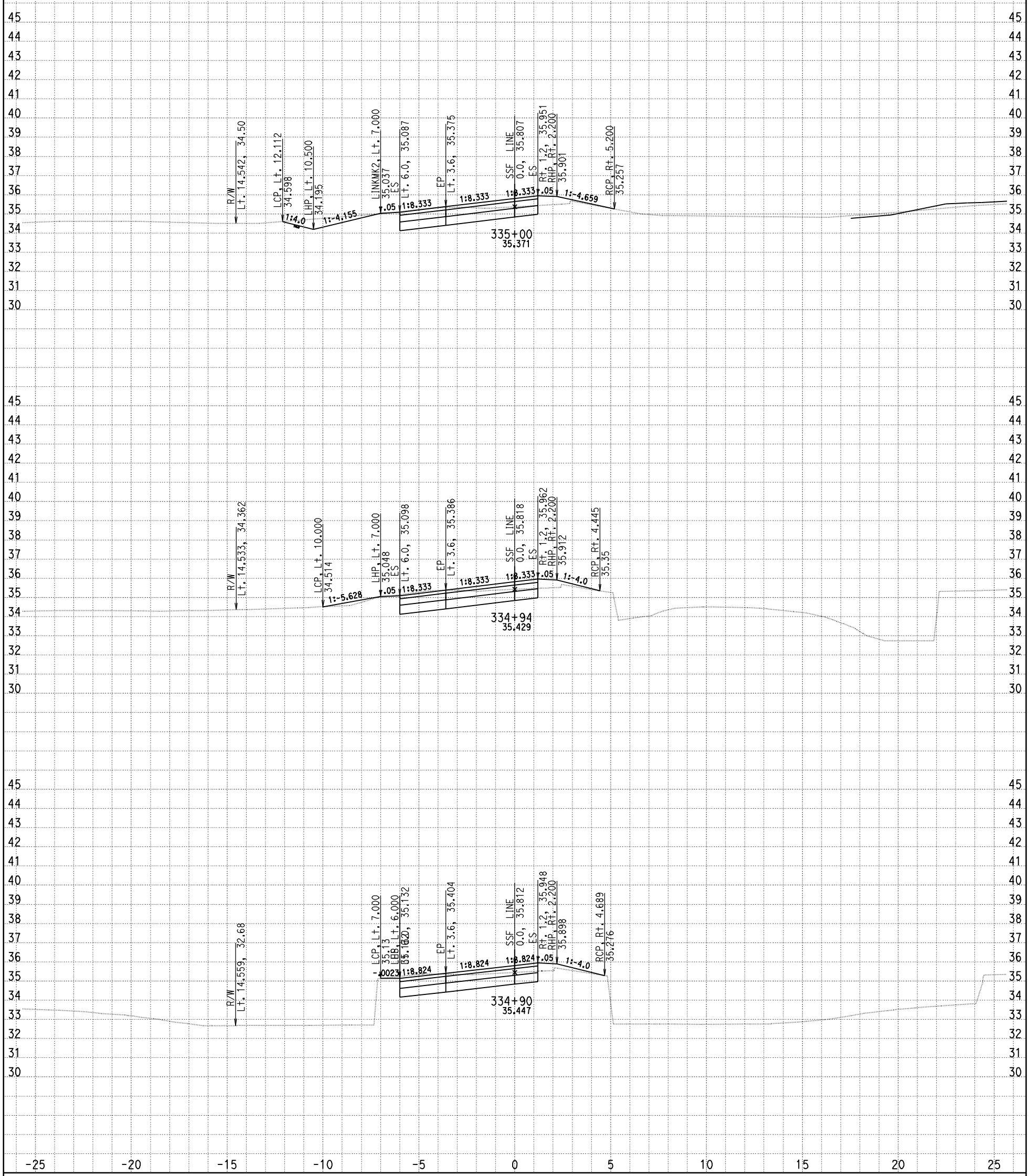
ASSFCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\SSF XSect\assfcn1-ditch-sdh.ear

SHEET 3 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

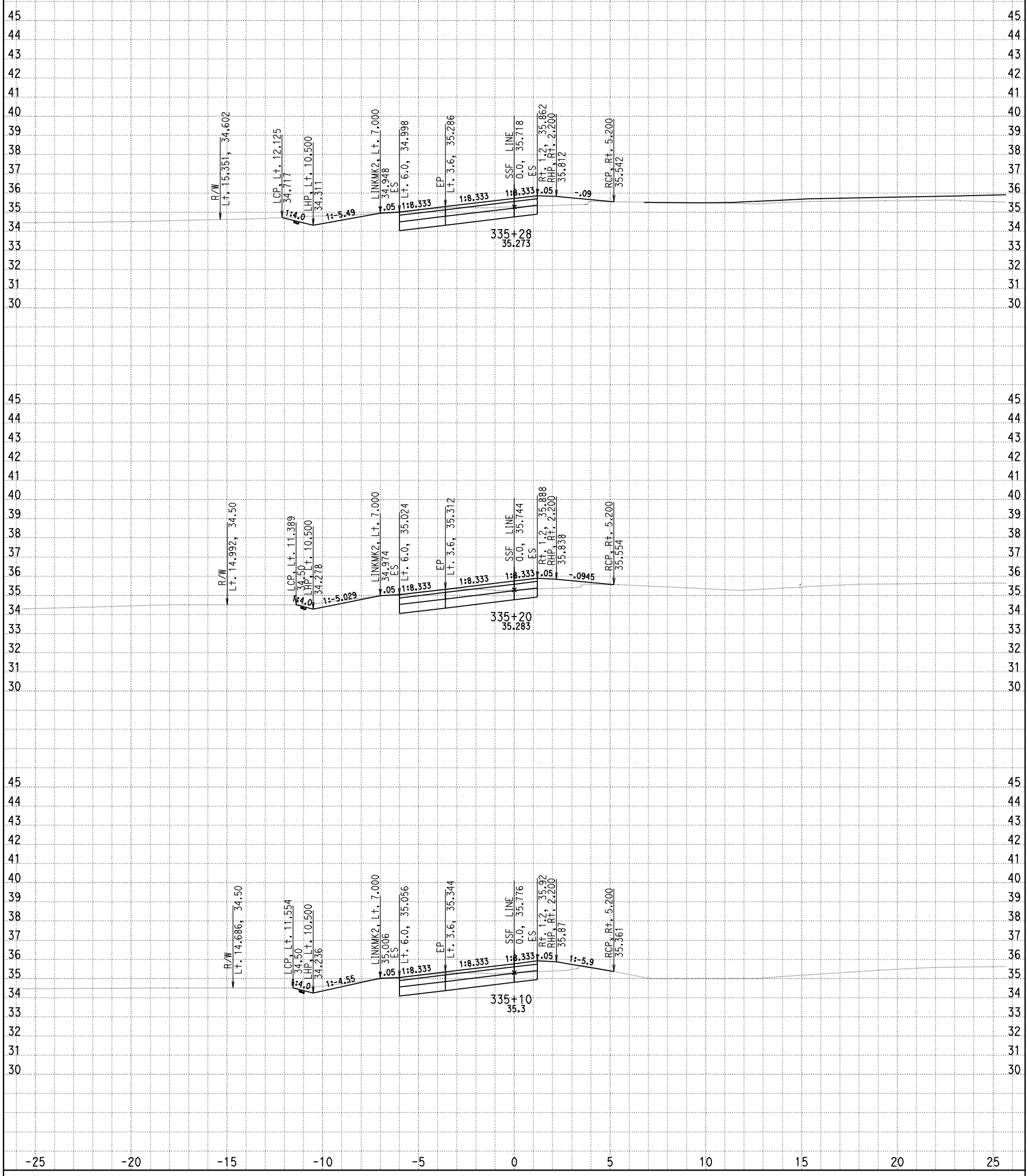
ASSFCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\SSF XSect\assfcn1-ditch-sdh.ear

SHEET 4 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

ASSFCN1

DATE: 8/17/2007

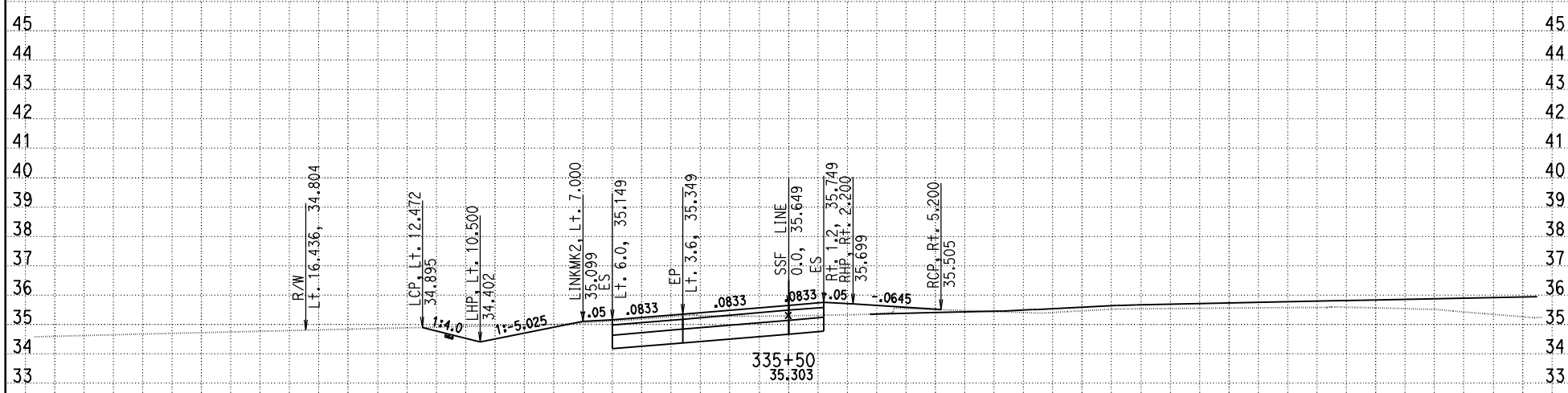
CROSS SECTIONS

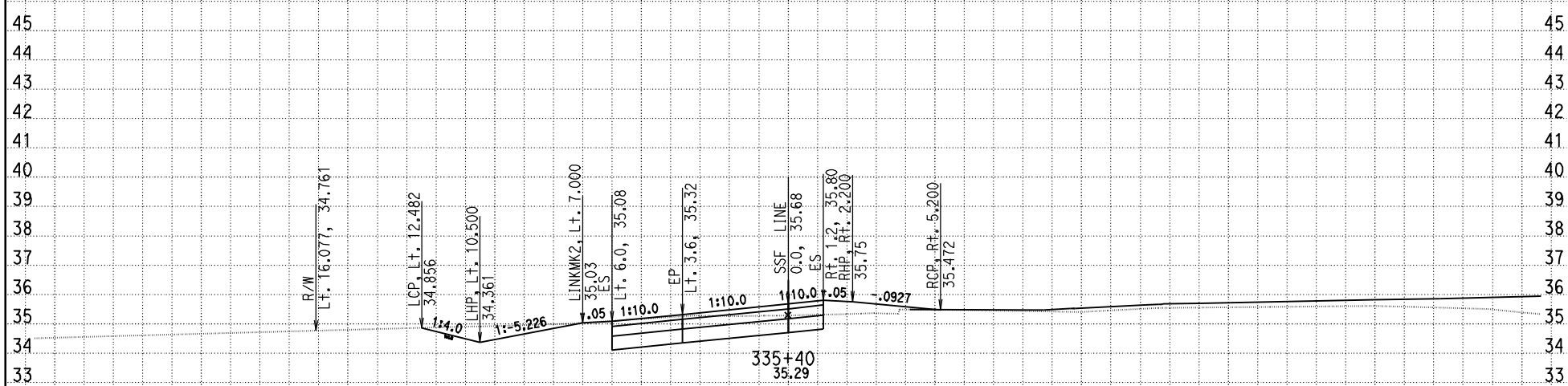
Scale Ratio: 1:100 Horiz.
1:100 Vert.

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\SSF XSect\assfcn1-ditch-sdh.ear

SHEET 5 OF XXX

DESIGN STUDY ONLY





ALL DIMENSIONS ARE METRIC

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

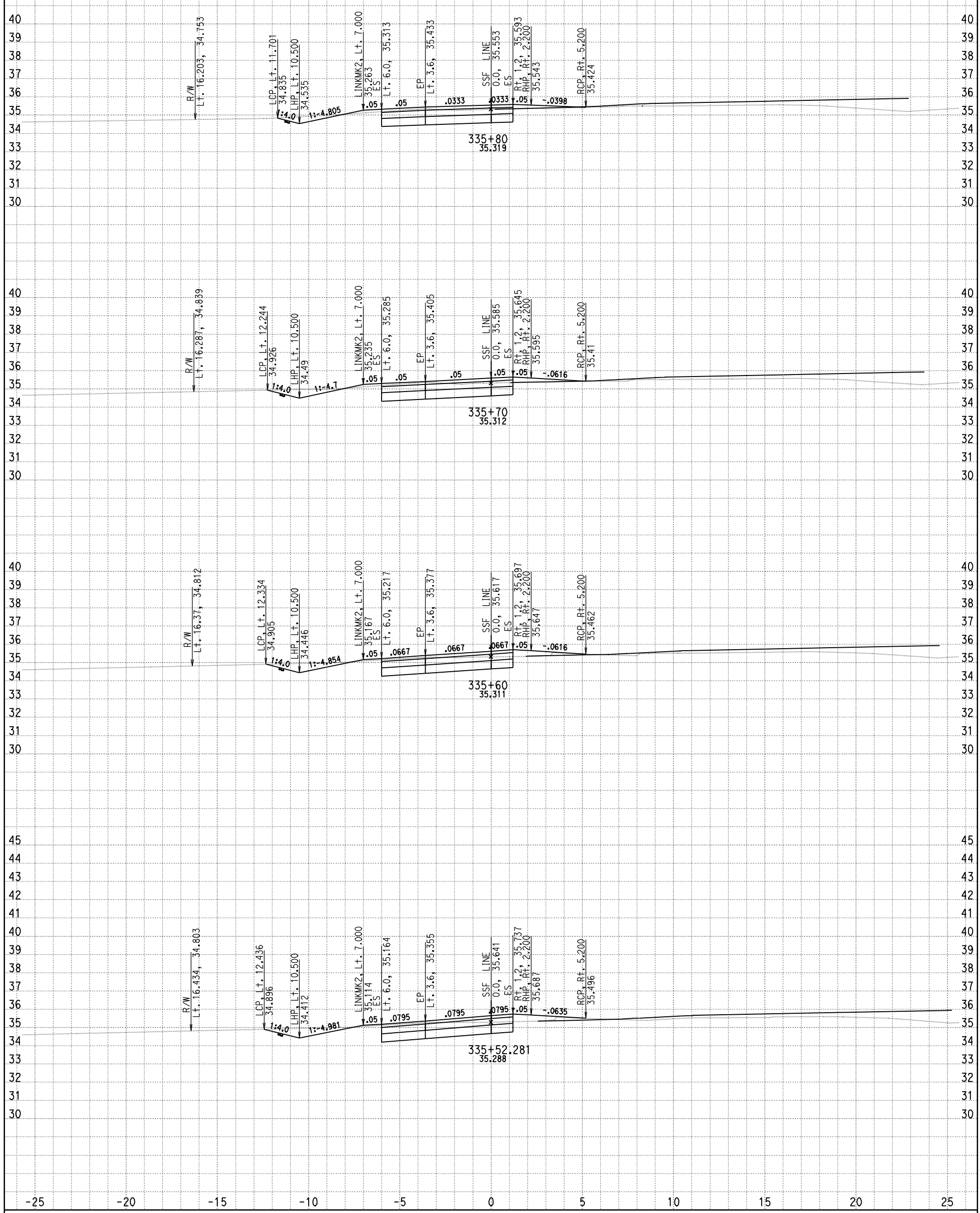
ASSFCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\SSF XSect\assfcn1-ditch-sdh.ear

SHEET 6 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

DATE: 8/17/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

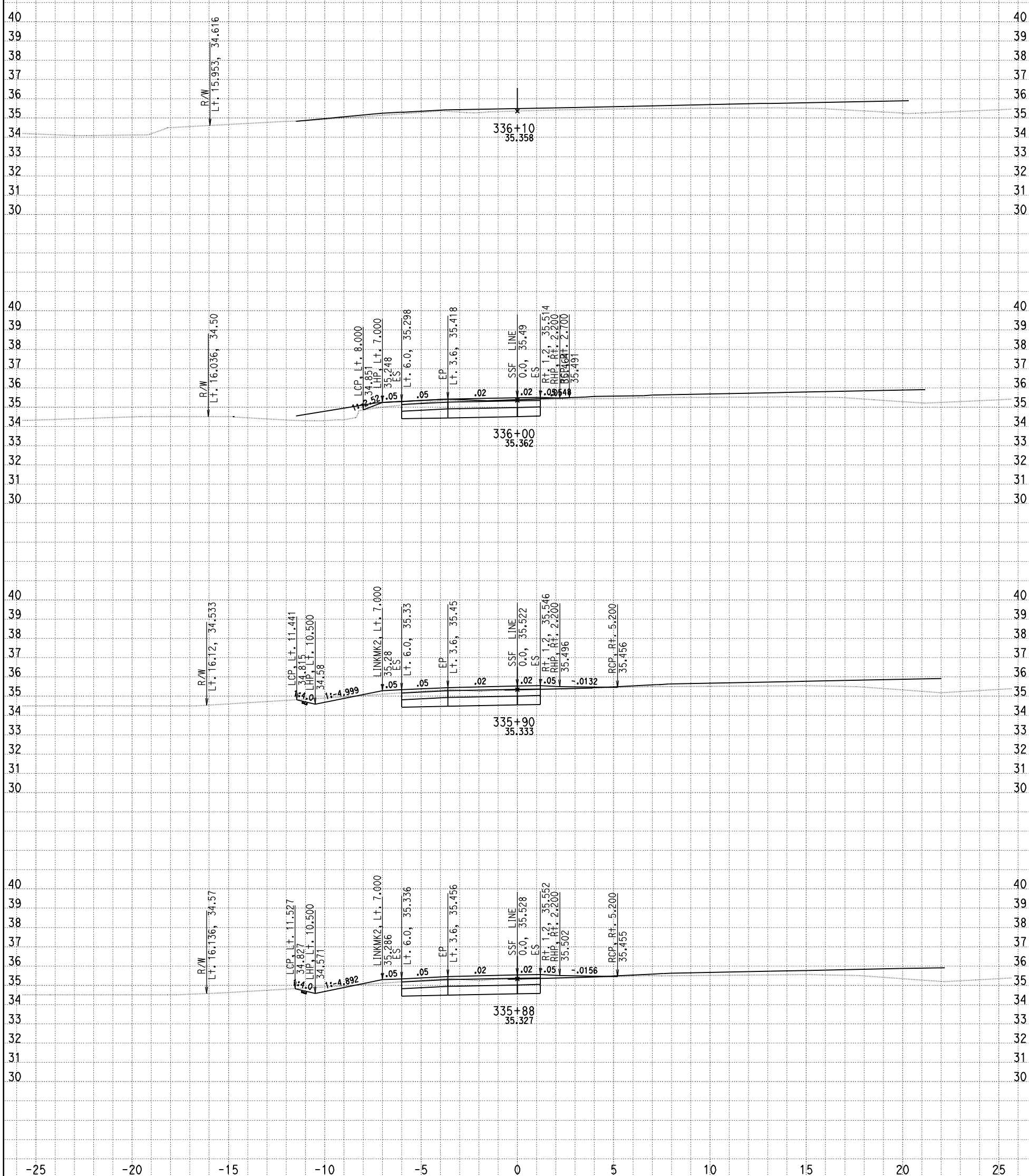
ASSFCN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\SSF XSect\assfcn1-ditch-sdh.ear

SHEET 7 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

DATE: 8/17/2007

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\SSF XSect\assfcn1-ditch-sdh.ear

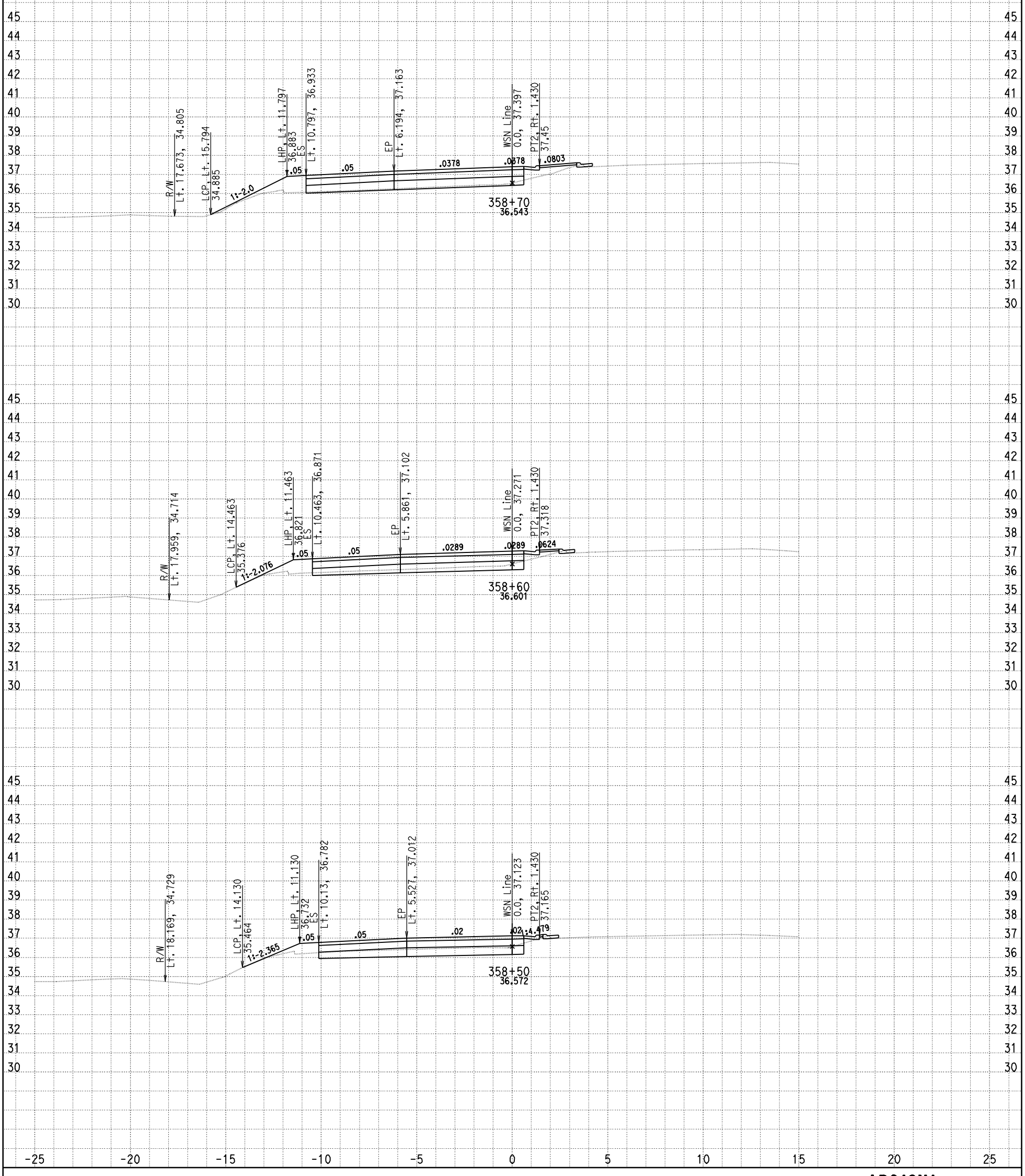
Scale Ratio: 1:100 Horiz.
1:100 Vert.

ASSFCN1

CROSS SECTIONS

SHEET 8 OF 8

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

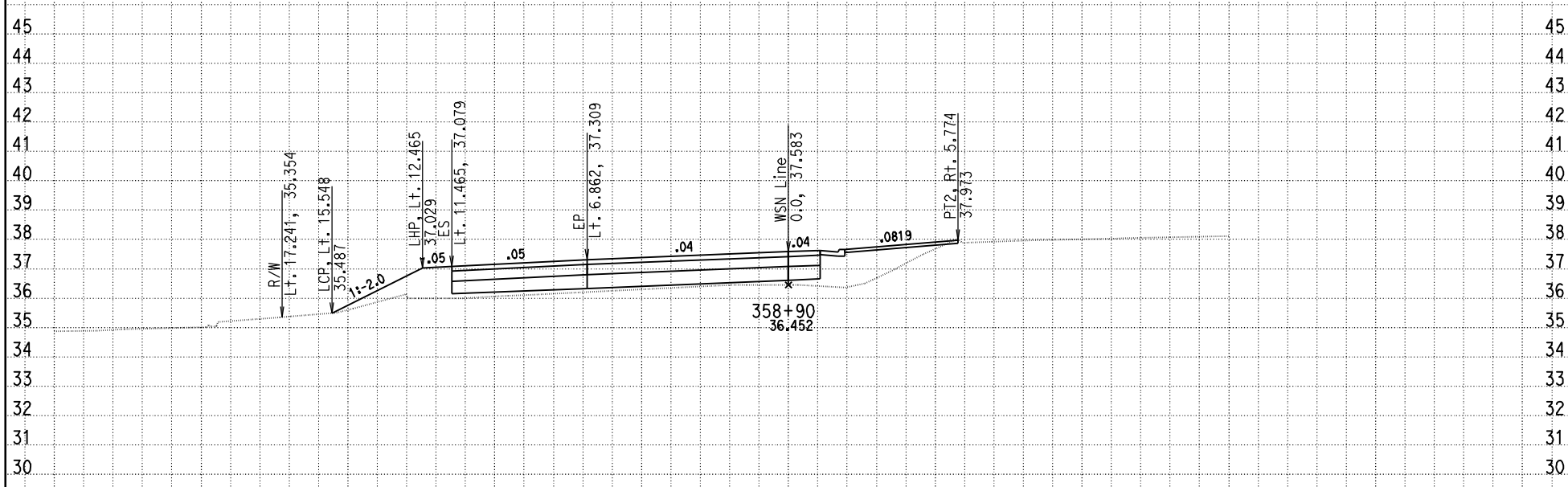
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

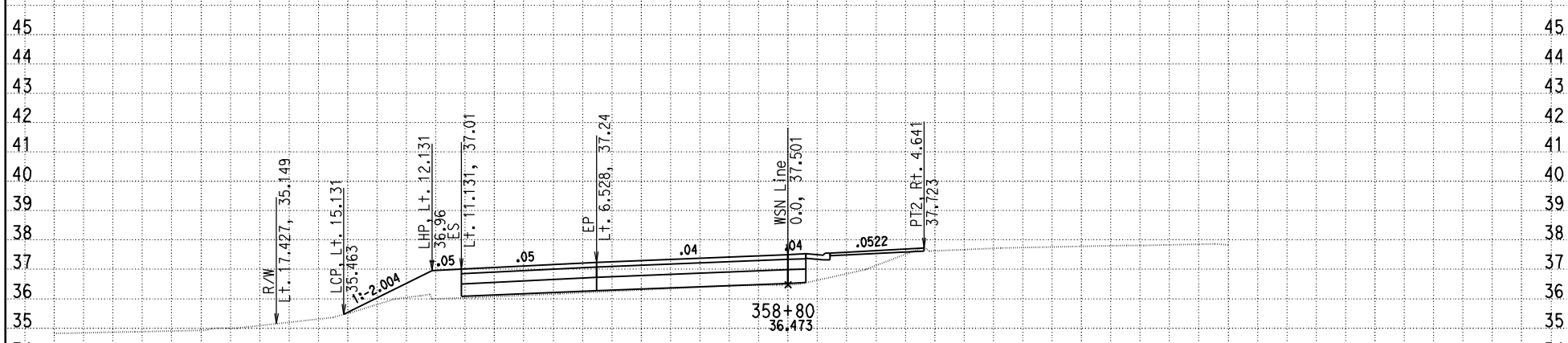
ARS1CN1

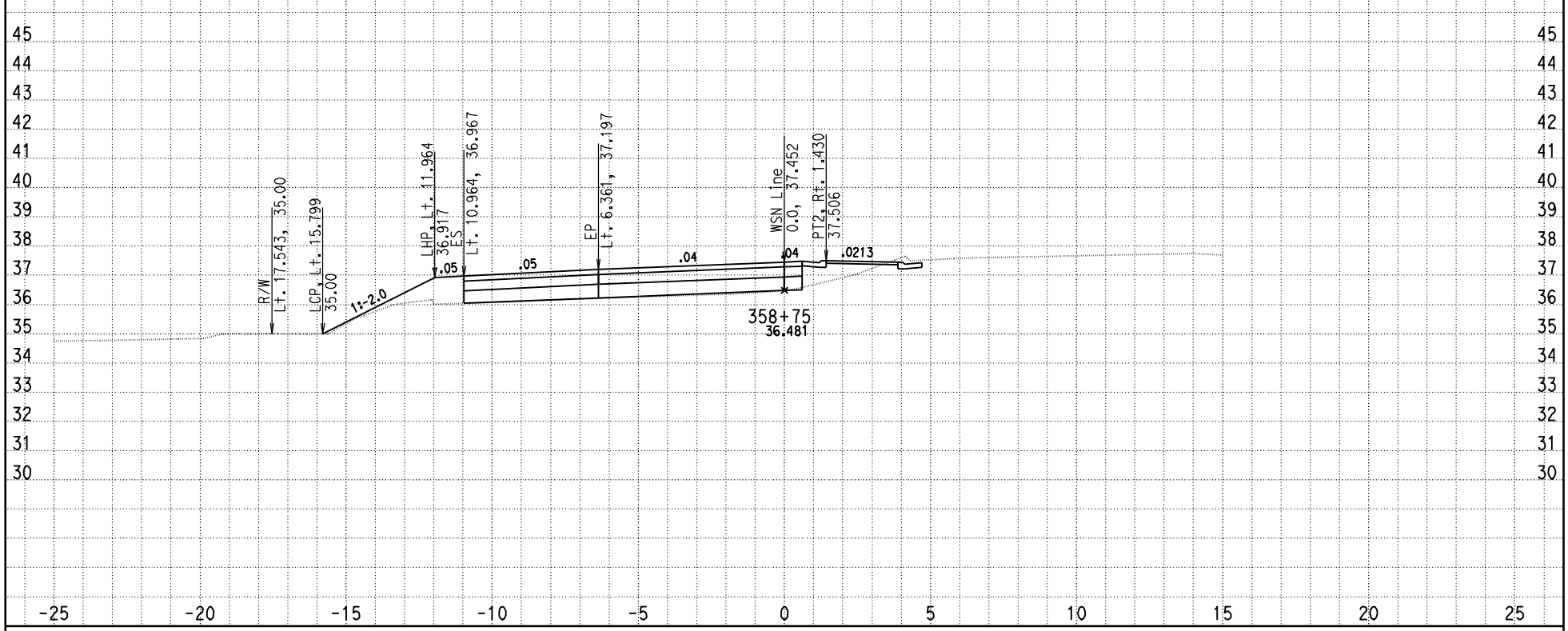
CROSS SECTIONS

SHEET 1 OF 12

DESIGN STUDY ONLY







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ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

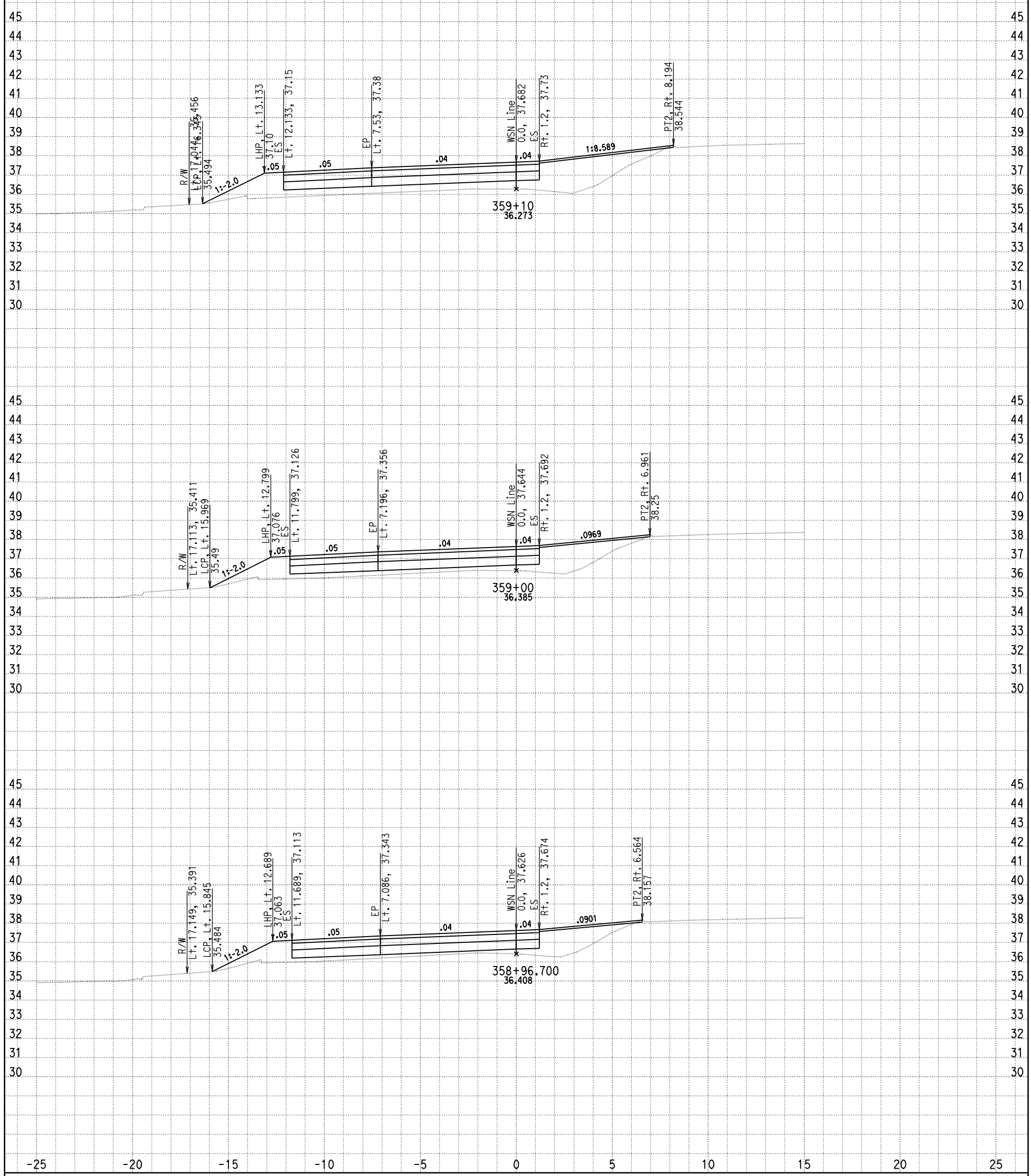
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

ARS1CN1

CROSS SECTIONS

SHEET 2 OF 12

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

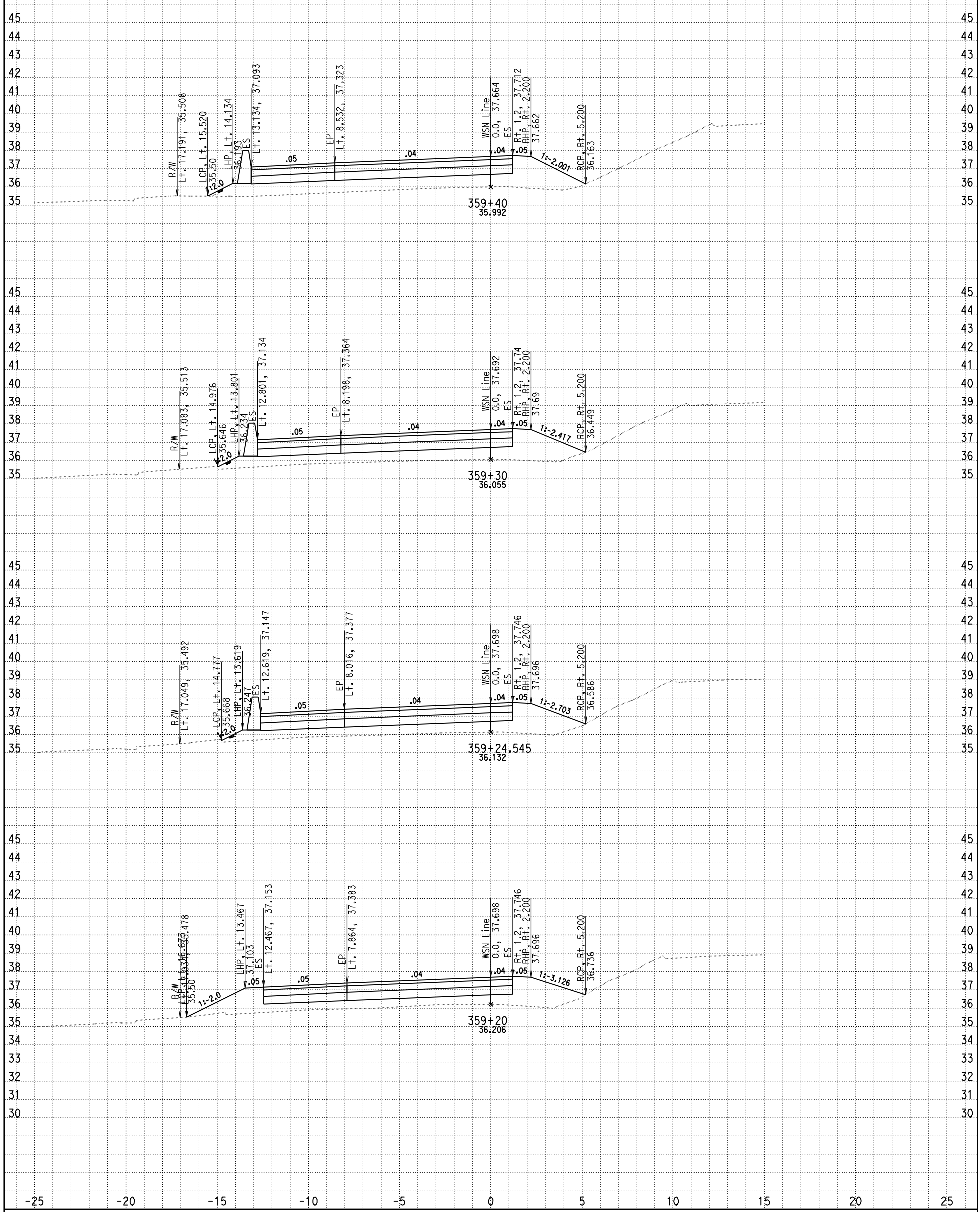
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

ARS1CN1

CROSS SECTIONS

SHEET 3 OF 12

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

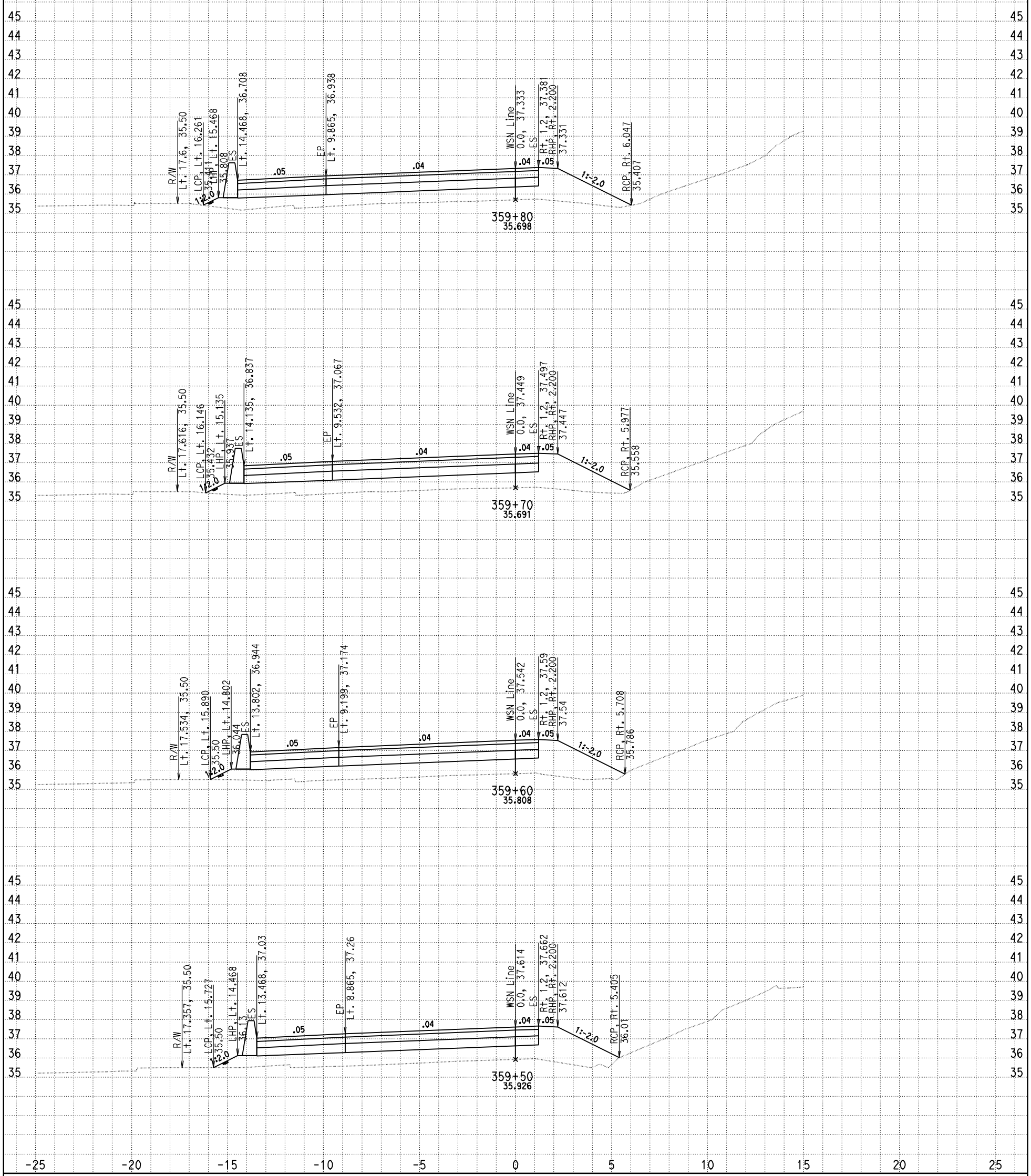
ARS1CN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

SHEET 4 OF 12

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

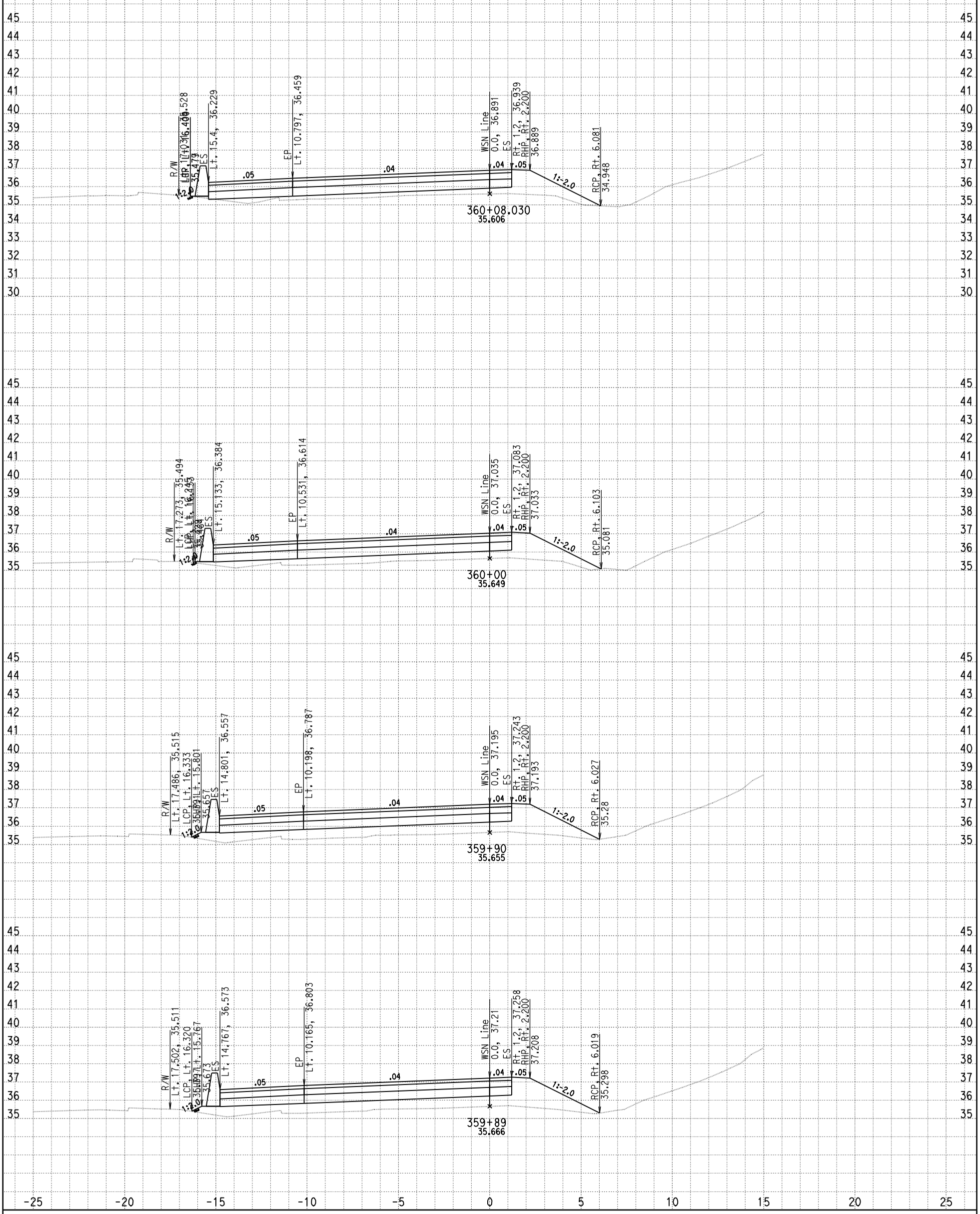
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

ARS1CN1

CROSS SECTIONS

SHEET 5 OF 12

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

CROSS SECTIONS CREATED BY: BH

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

PROJECT: SONOMA 101 MEDIAN WIDENING

DATE: 8/18/2007

EA: 447701

34.9/47.2

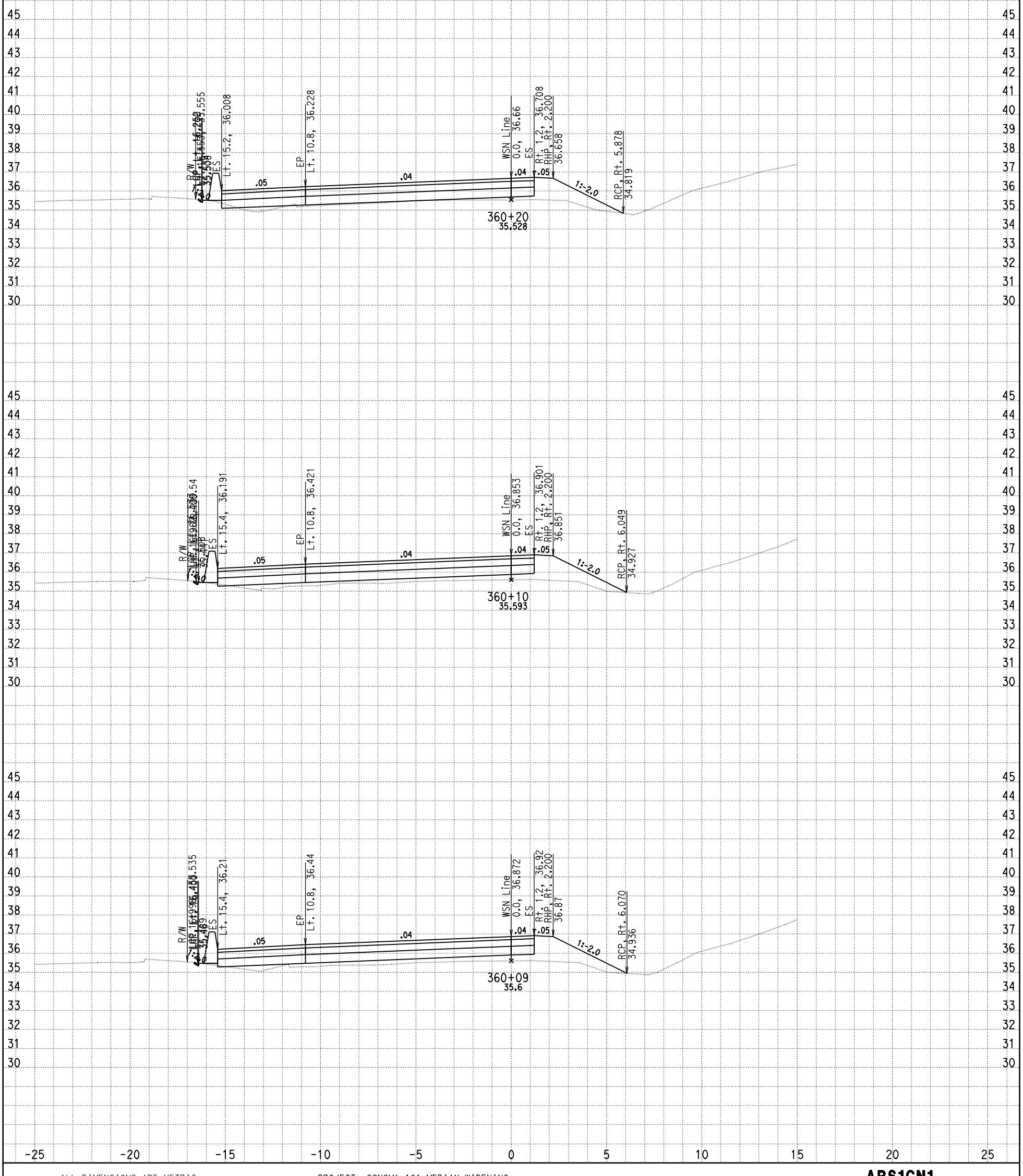
Scale Ratio: 1:100 Horiz.
1:100 Vert.

ARS1CN1

CROSS SECTIONS

SHEET 6 OF 12

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

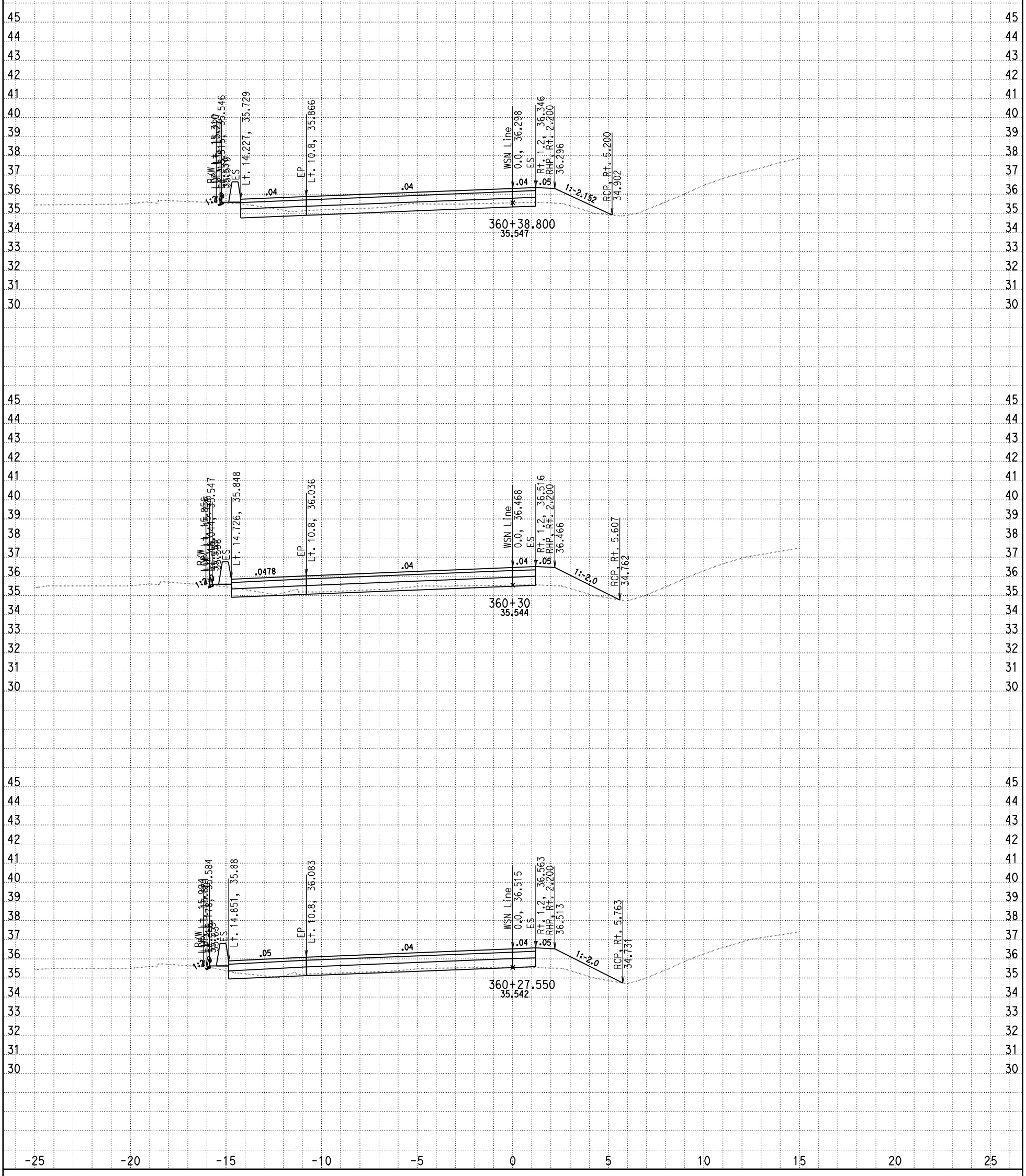
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

ARS1CN1

CROSS SECTIONS

SHEET 7 OF 12

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

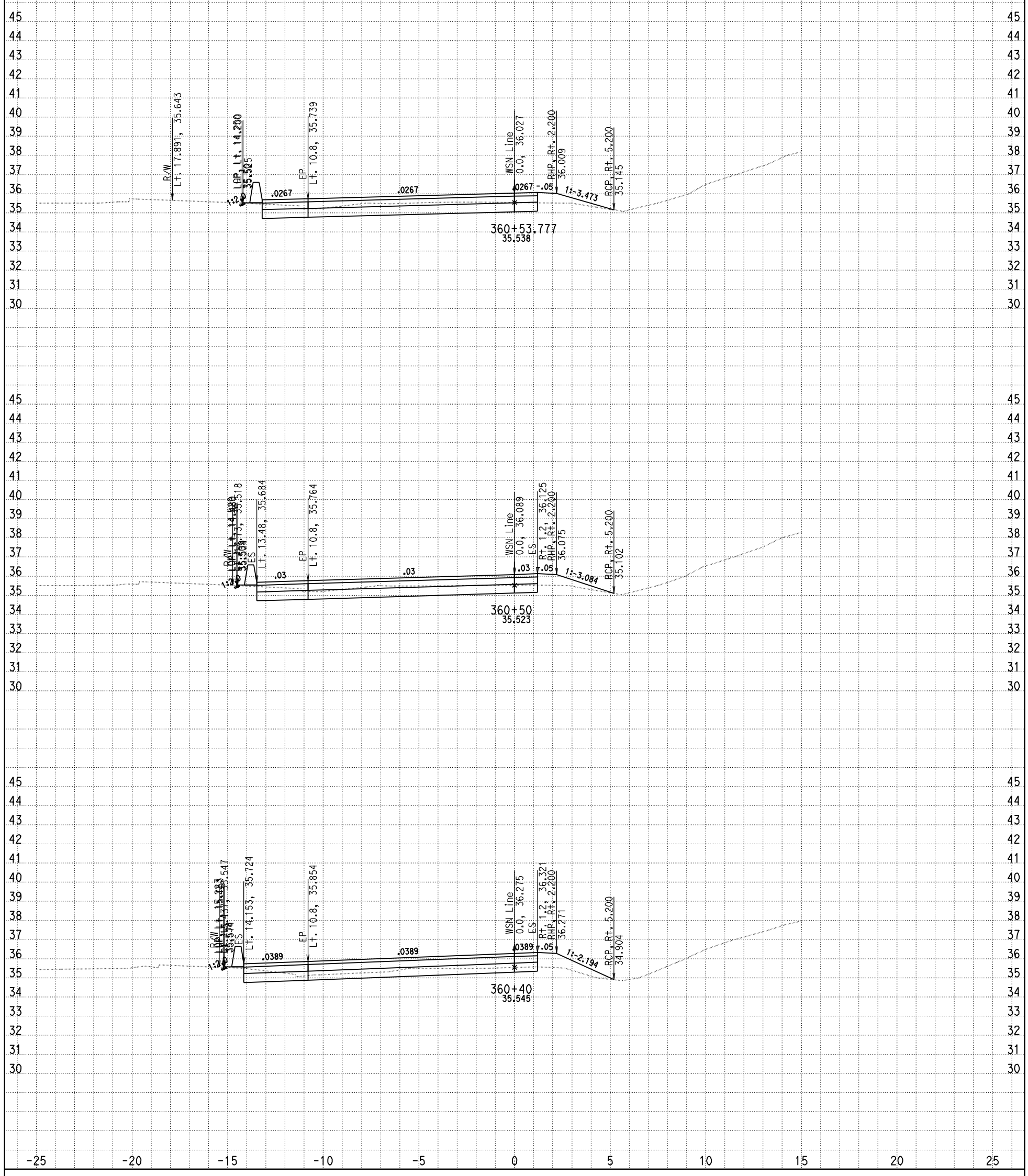
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

ARS1CN1

CROSS SECTIONS

SHEET 8 OF 12

DESIGN STUDY ONLY



ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

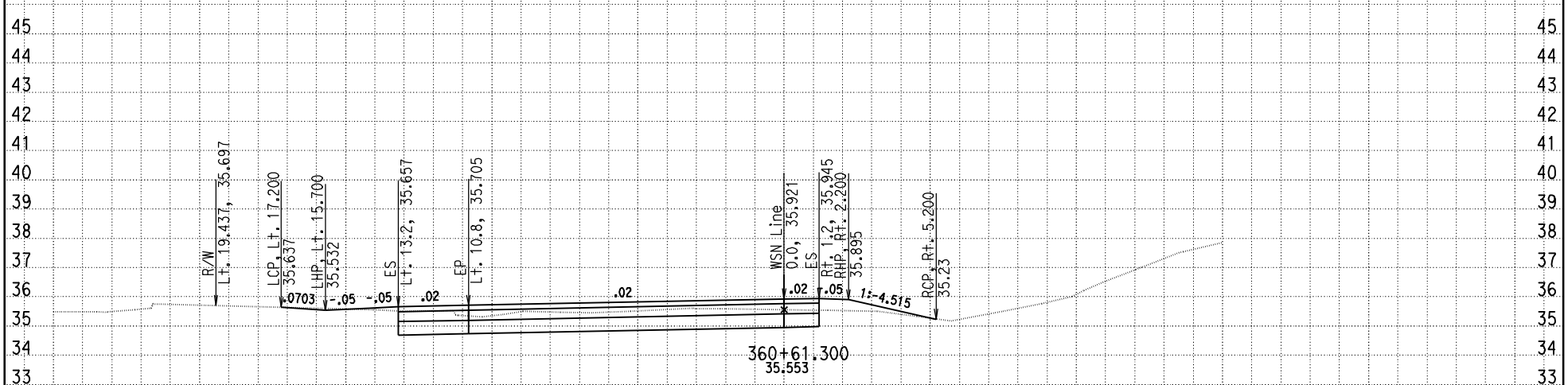
Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

ARS1CN1

CROSS SECTIONS

SHEET 9 OF 12

DESIGN STUDY ONLY



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ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

EA: 447701

34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

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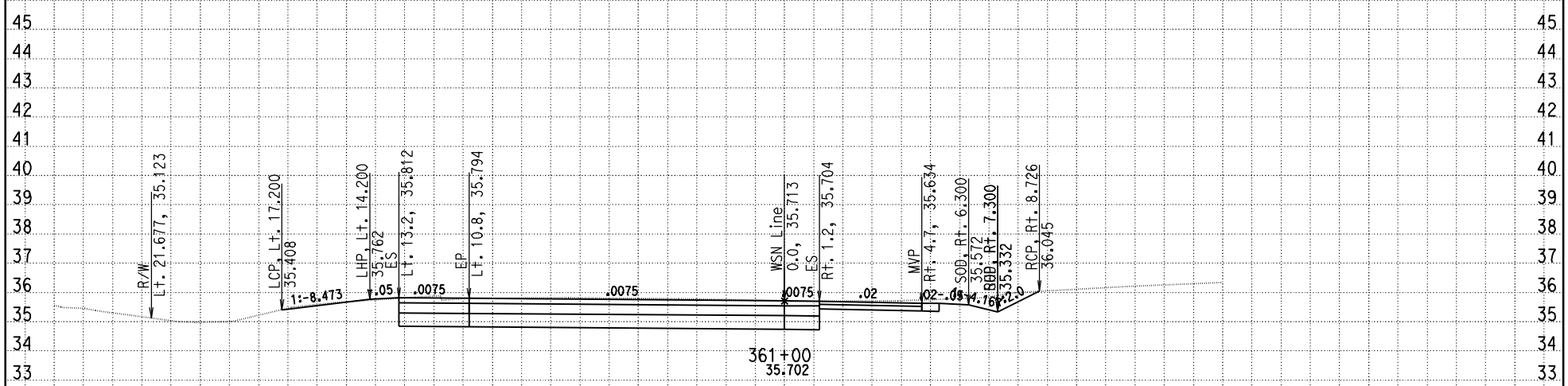
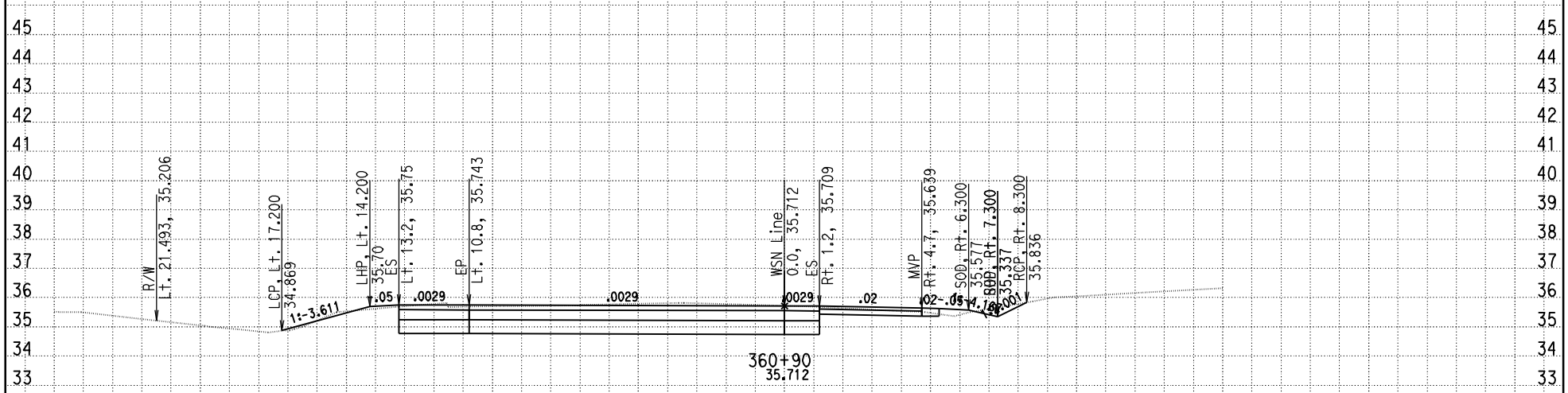
CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

SHEET 10 OF 12

DESIGN STUDY ONLY





ALL DIMENSIONS ARE METRIC

PROJECT: SONOMA 101 MEDIAN WIDENING

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CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz.
1:100 Vert.

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

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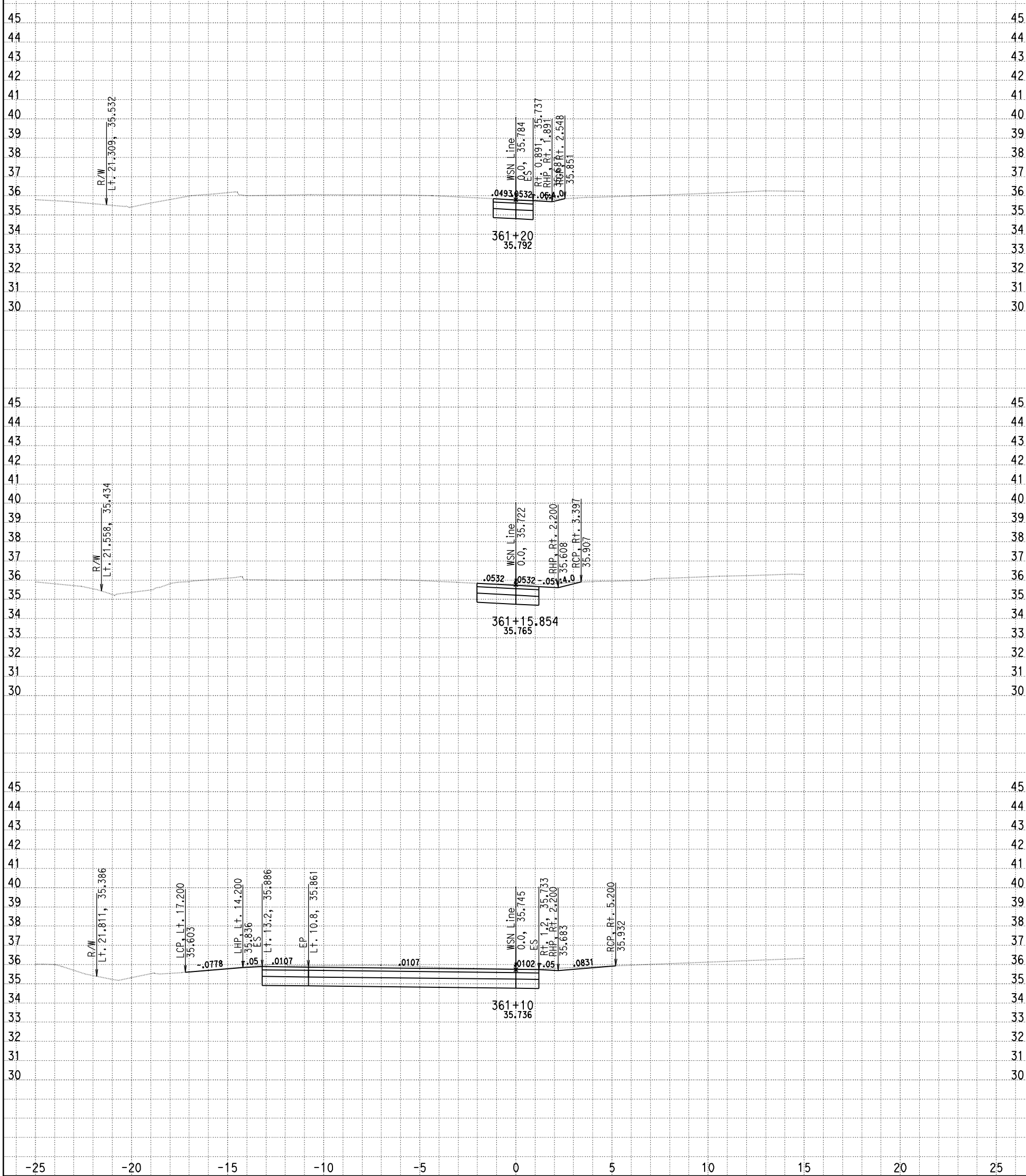
CROSS SECTIONS

SHEET 11 OF 12

DESIGN STUDY ONLY



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PROJECT: SONOMA 101 MEDIAN WIDENING

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34.9/47.2

CROSS SECTIONS CREATED BY: BH

DATE: 8/18/2007

Scale Ratio: 1:100 Horiz. 1:100 Vert.

ARS1CN1

CROSS SECTIONS

Project: 0230 File: D:\Steve\0A1011\XSect\SB\Ramps\WSN XSect\wsn-ditch-sdh.ear

SHEET 12 OF 12