

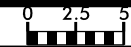
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and is Not a Certified Document –**

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and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

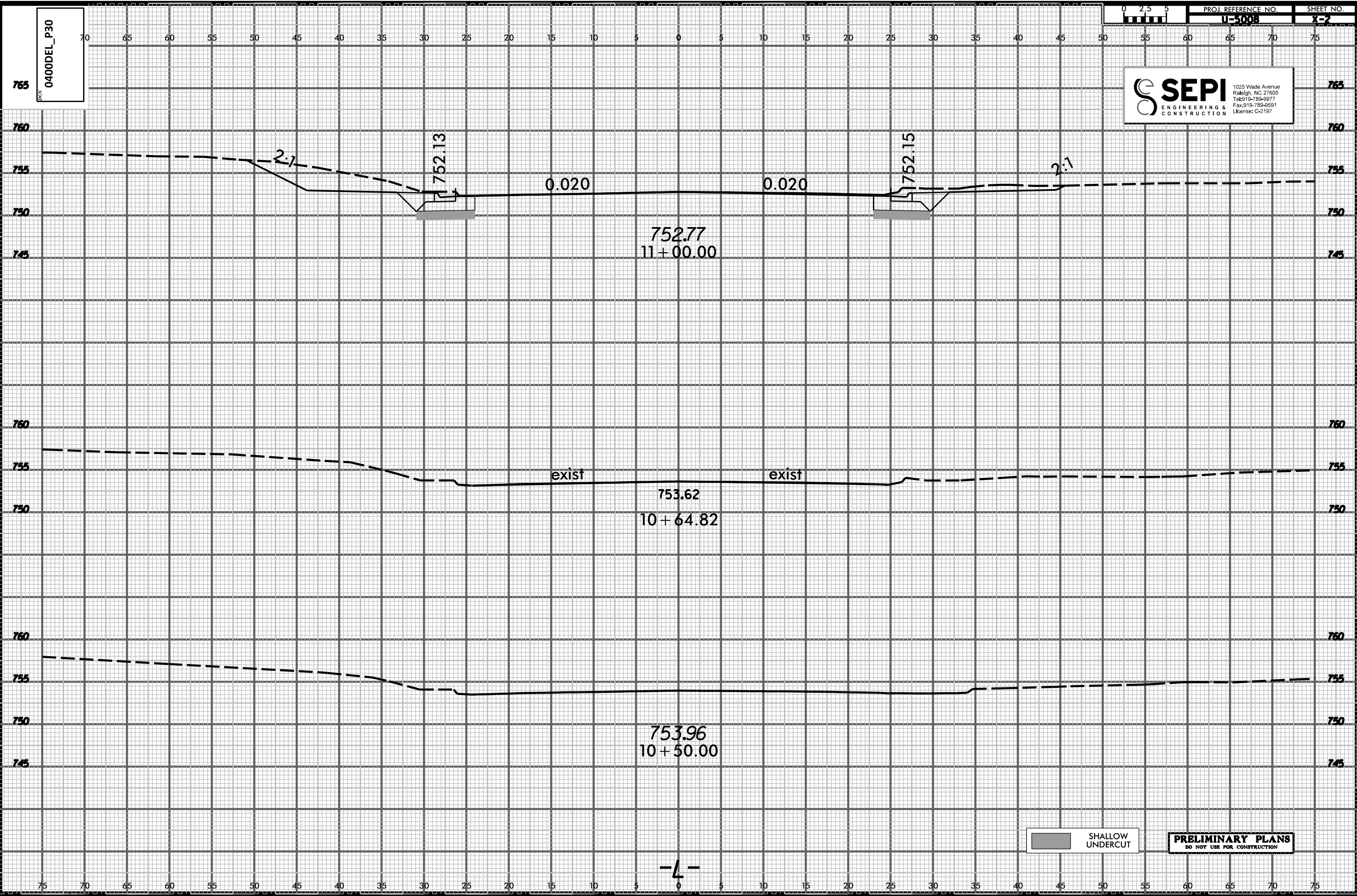
**This file or an individual page
shall not be considered a certified document.**

CROSS SECTION INDEX

X-1 CROSS SECTION INDEX
X-1A CROSS SECTION SUMMARY
X-2 THRU X-26 -L-
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X-56 -DR2-



0400DEL_P30



752.13

0.020

0.020

752.15

2:1

2:1

752.77
11 + 00.00

exist

exist

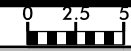
753.62
10 + 64.82

753.96
10 + 50.00

SHALLOW UNDERCUT

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

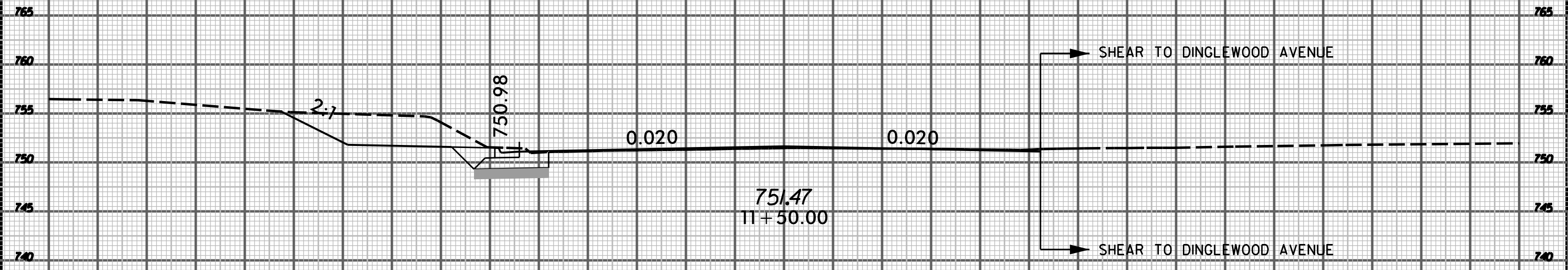
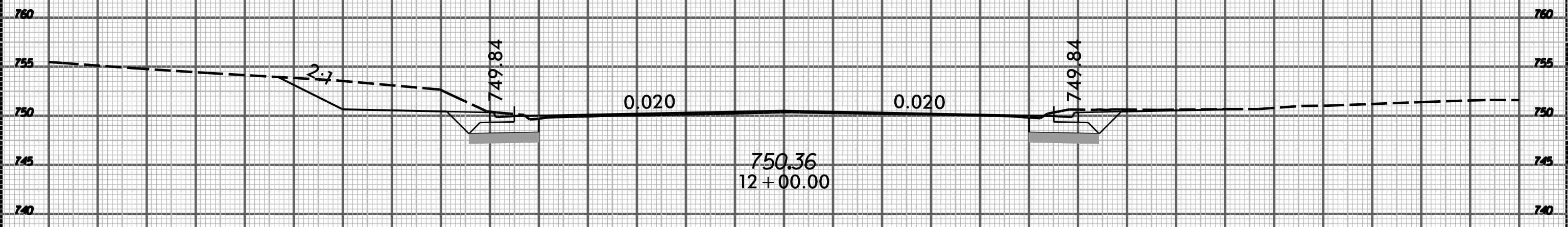
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PROJ. REFERENCE NO.
U-5008

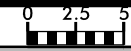
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X-3

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SHALLOW UNDERCUT

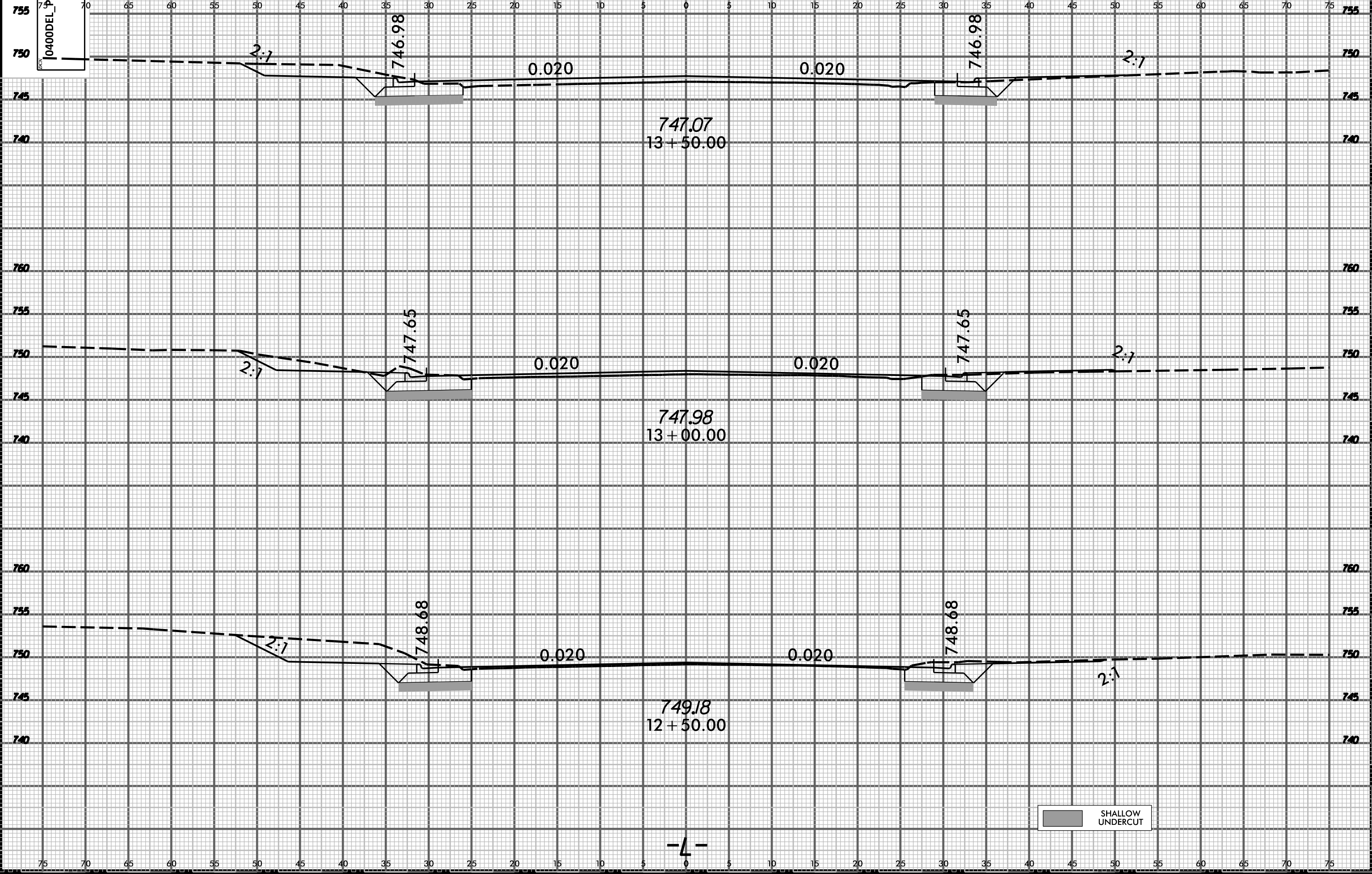
SYSTEMS
DESIGN



PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-4

10400DEL_P30



SHALLOW UNDERCUT

-L-

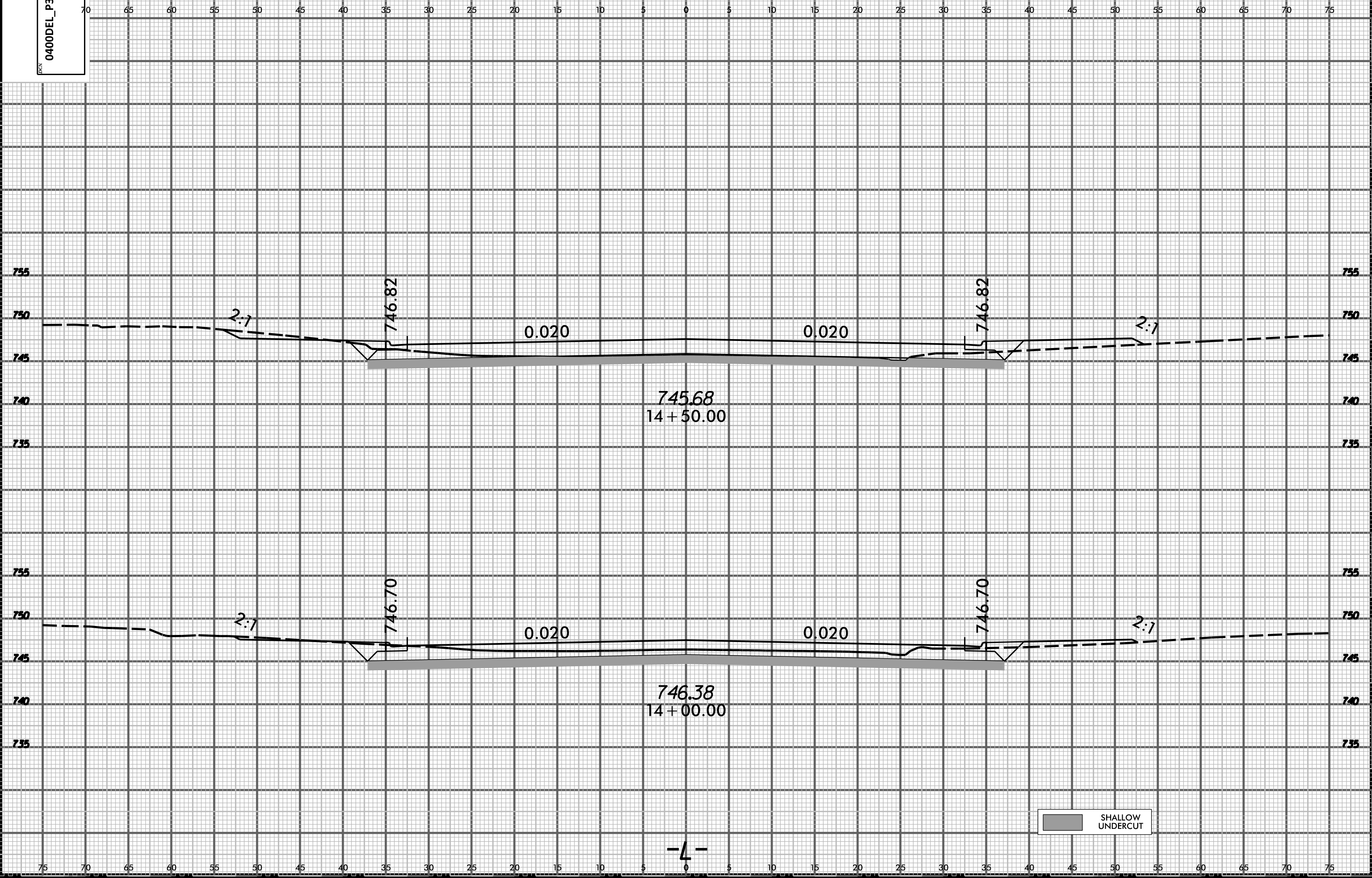
SYSTEMS
DEVELOPMENT
CORPORATION

0400DEL_P30



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U-5008

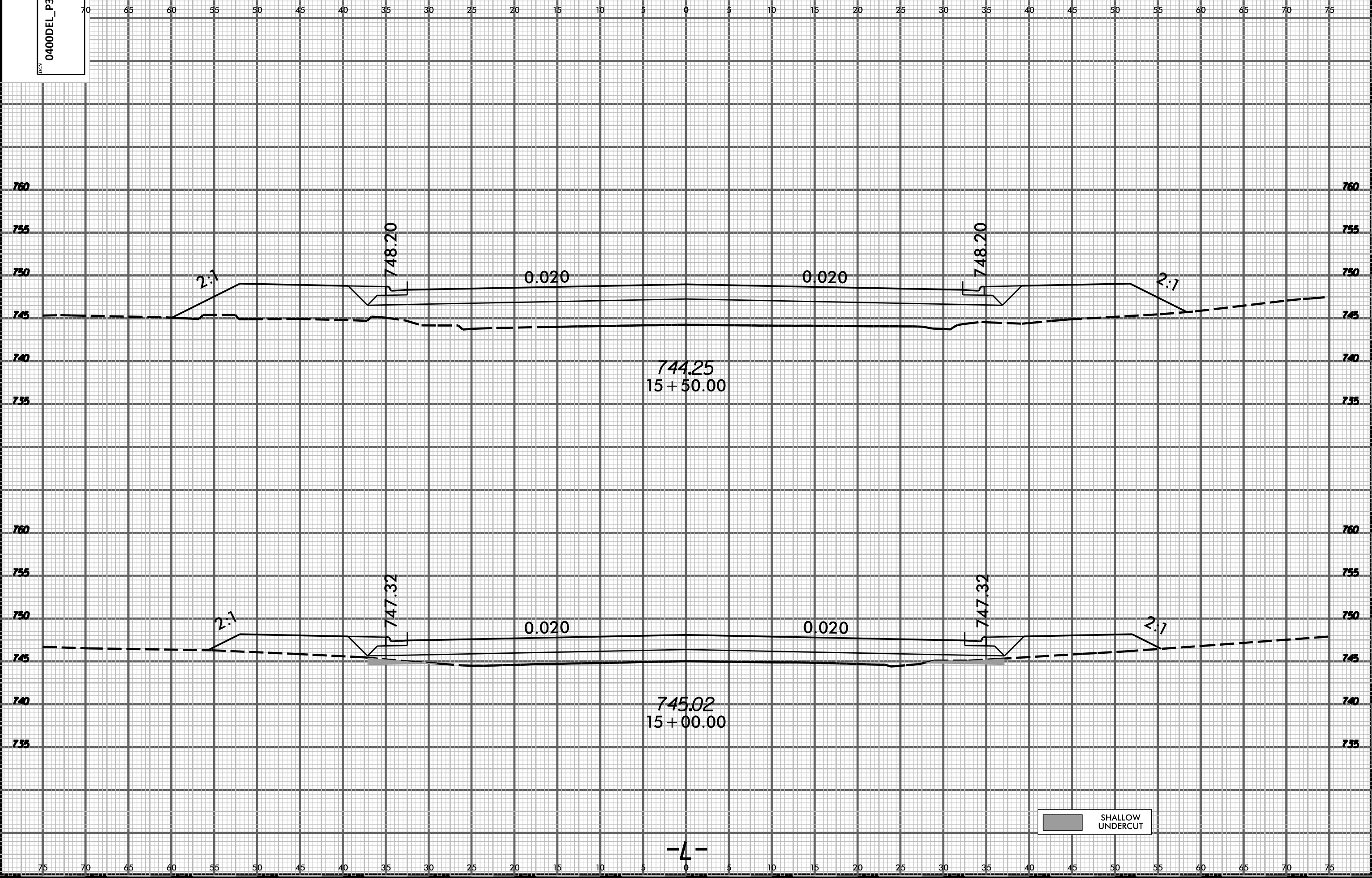
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SYSTEMS
DESIGN

SHALLOW UNDERCUT

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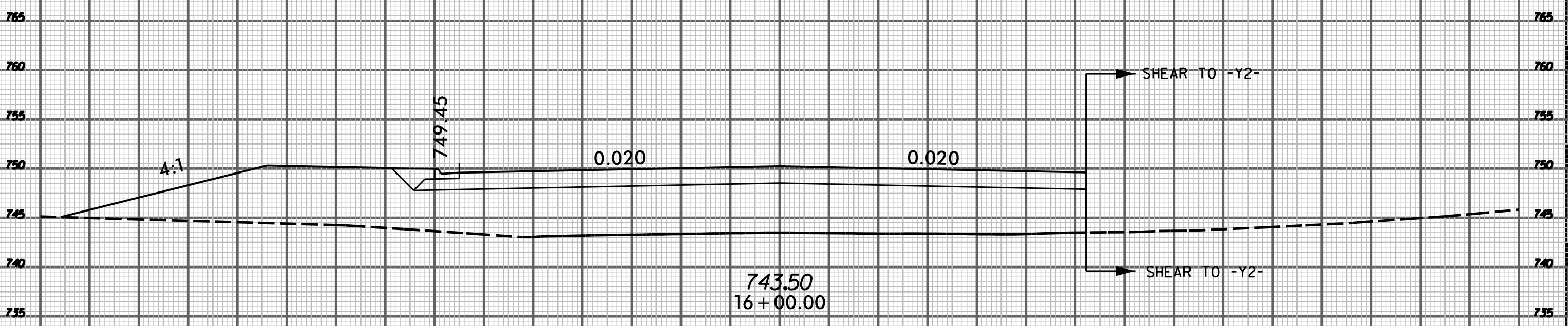
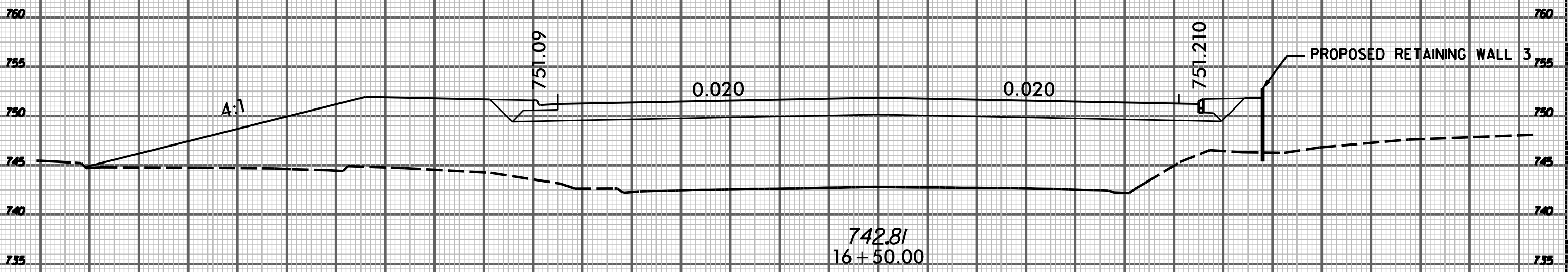


SHALLOW UNDERCUT

SYSTEMS
DESIGN
INC.

0400DEL_P30

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70



SYSTEMS
DESIGN
INC.

0400DEL_P30

95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45

750
745
740

115 110 105
17+50.00

PROPOSED RETAINING WALL 3



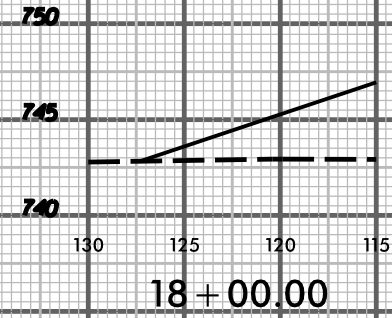
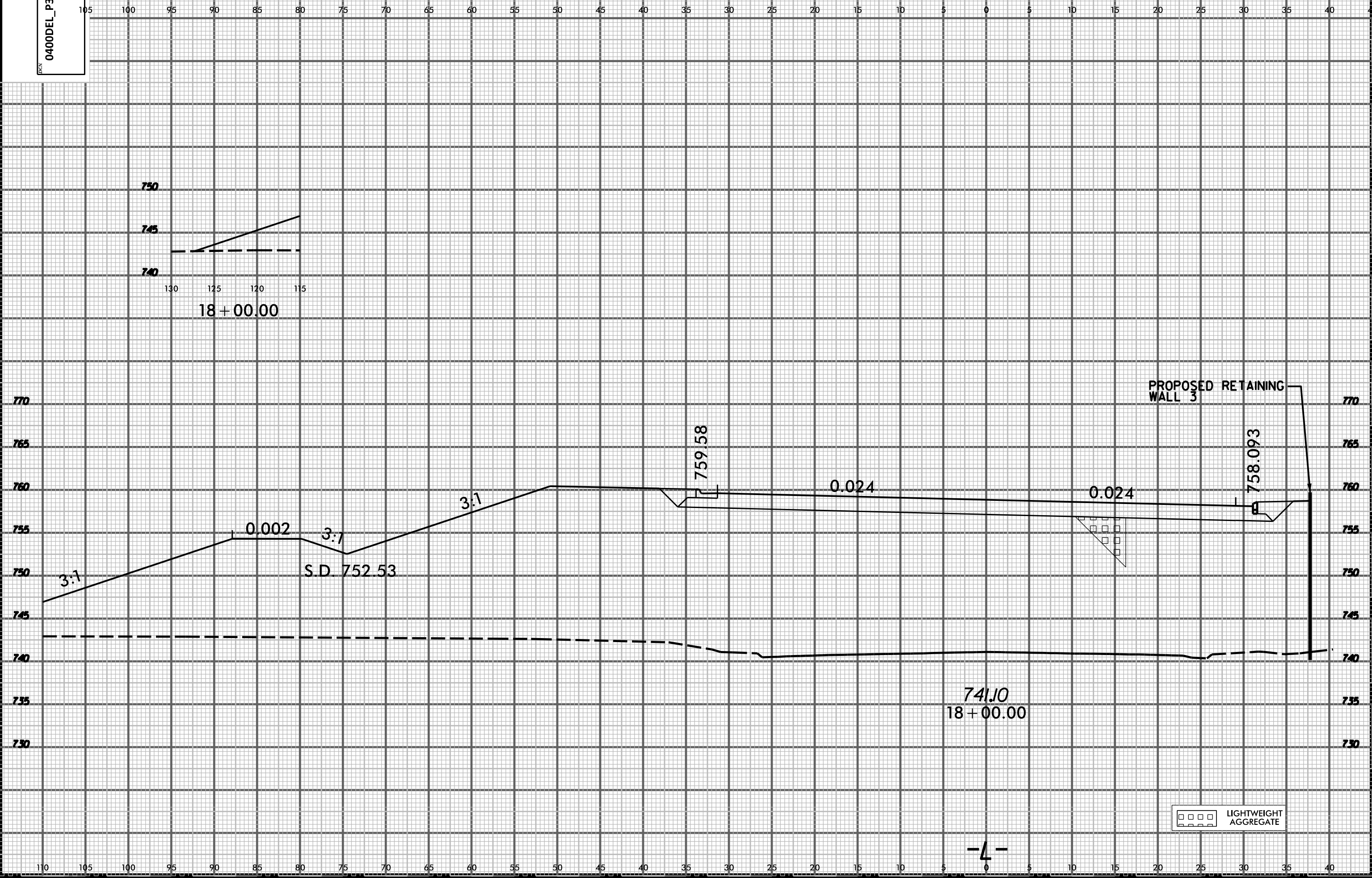
PROPOSED RETAINING WALL 3



□ □ □ □ LIGHTWEIGHT AGGREGATE

SYSTEMS
DELTA
CONSTRUCTION

0400DEL_P30



18 + 00.00

PROPOSED RETAINING WALL 3

759.58

0.024

0.024

758.093

3:1

0.002

3:1

S.D. 752.53

3:1

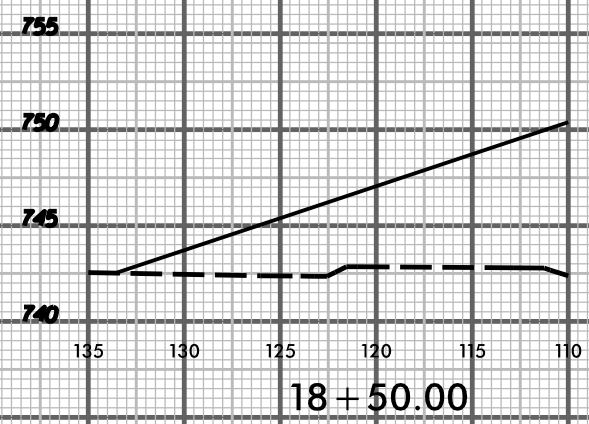
741.10
18 + 00.00

LIGHTWEIGHT AGGREGATE

SYSTEMS
DELTA
CONSTRUCTION

0400DEL_P30

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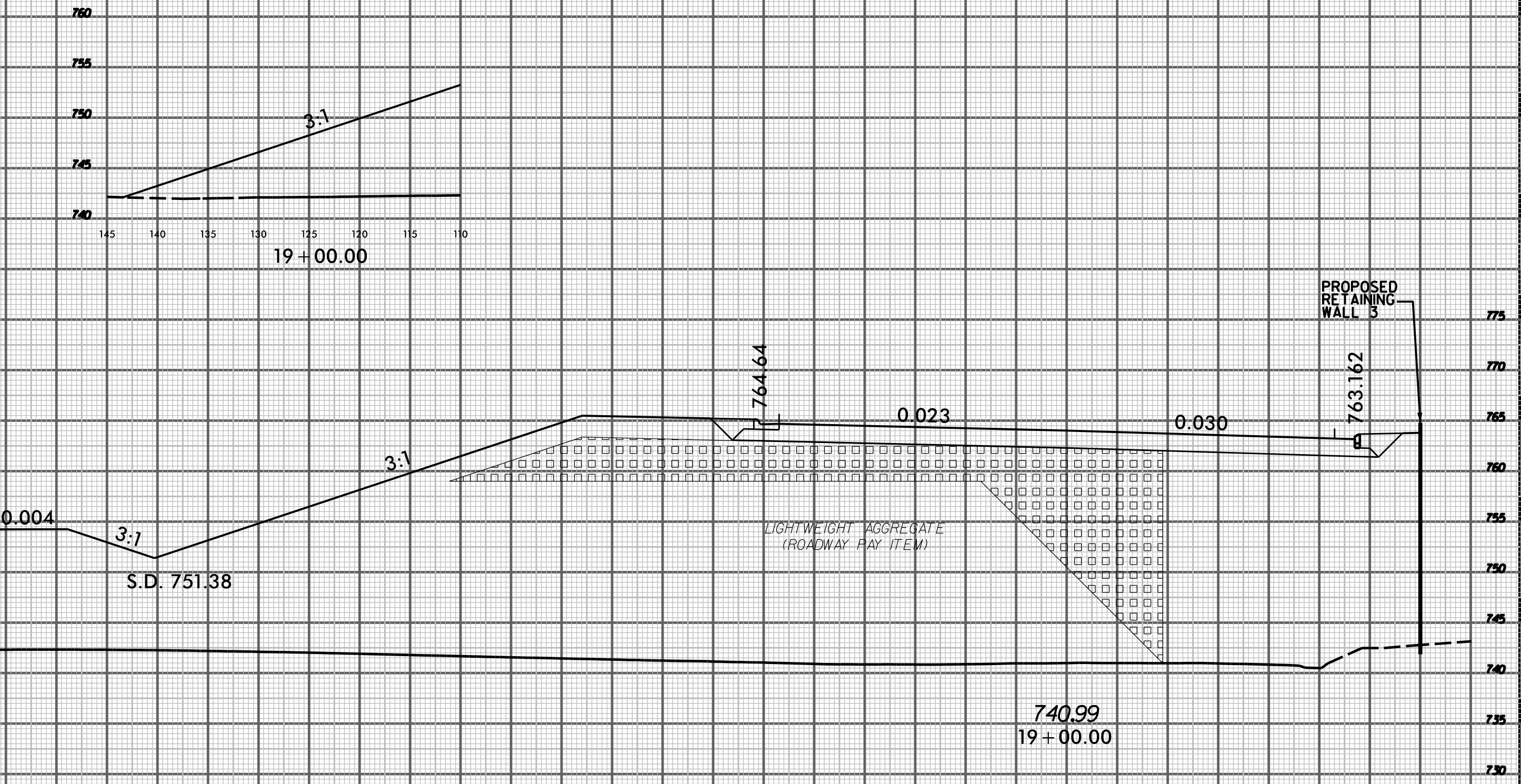


□ □ □ □ LIGHTWEIGHT AGGREGATE

SYSTEMS
DESIGN
INC.

0400DEL_P30

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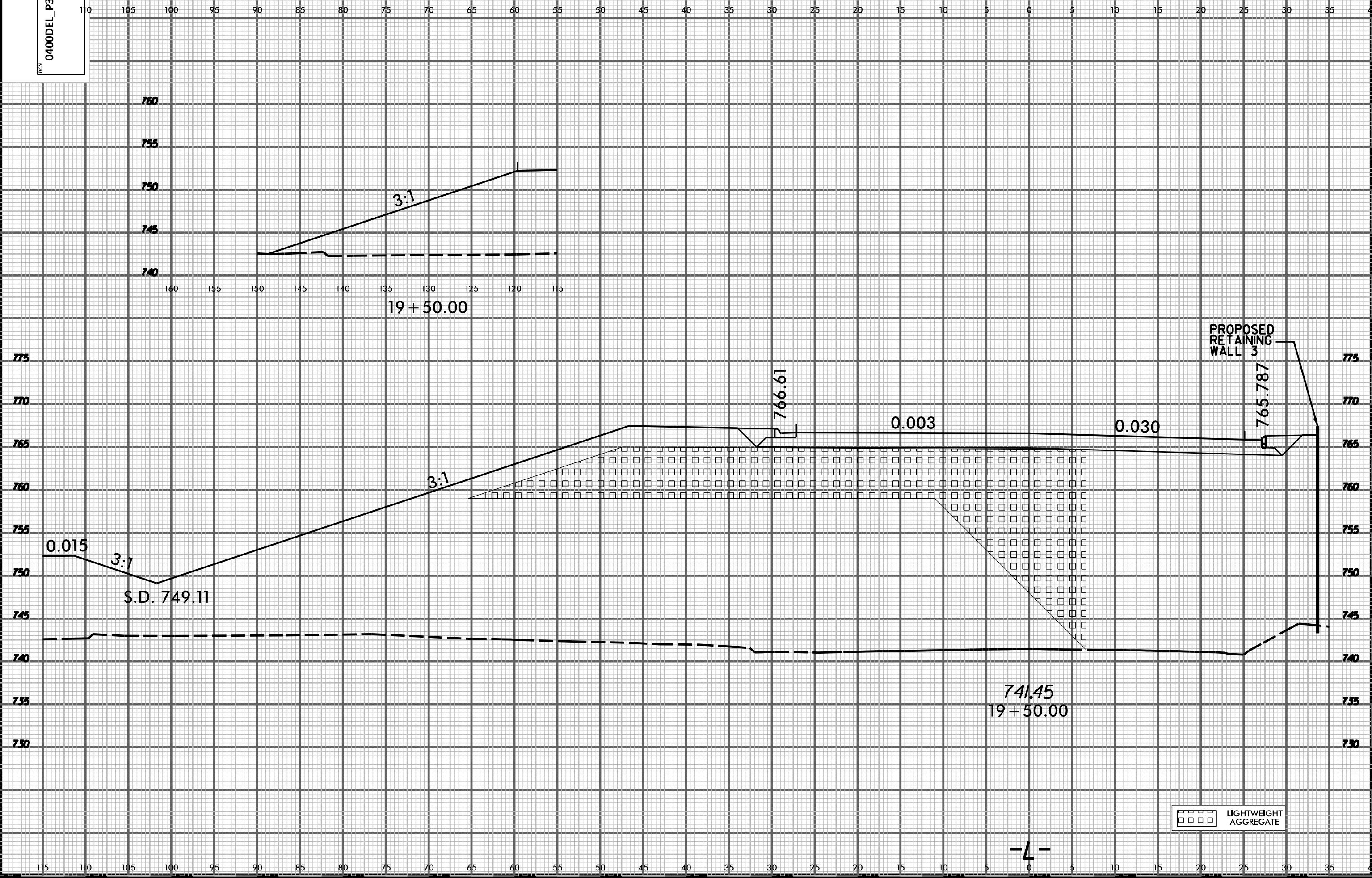
19+00.00

740.99
19+00.00

LIGHTWEIGHT AGGREGATE

SYSTEMS

0400DEL_P30

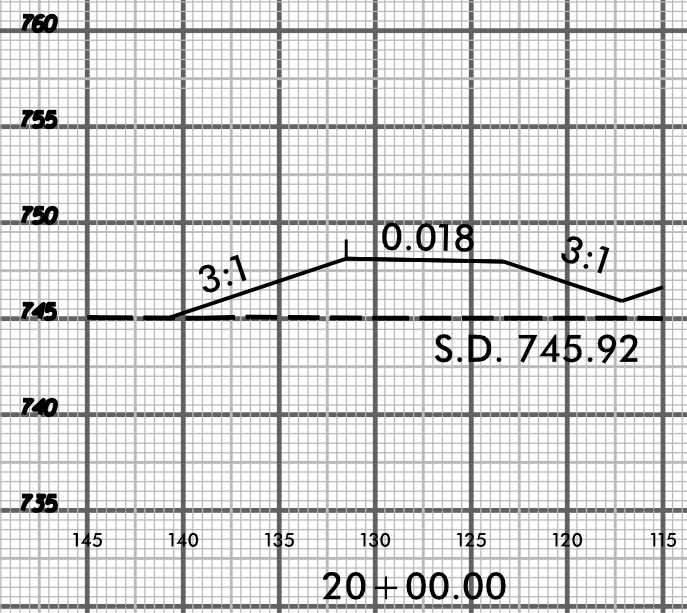


□ □ □ □ LIGHTWEIGHT AGGREGATE

SYSTEMS
 DESIGN

0400DEL_P30

BEGIN BRIDGE STA. 20+05.52



20+00.00

PROPOSED RETAINING WALL 3

768.62

0.017

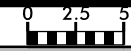
0.023

768.559

3:1

741.78
20+00.00

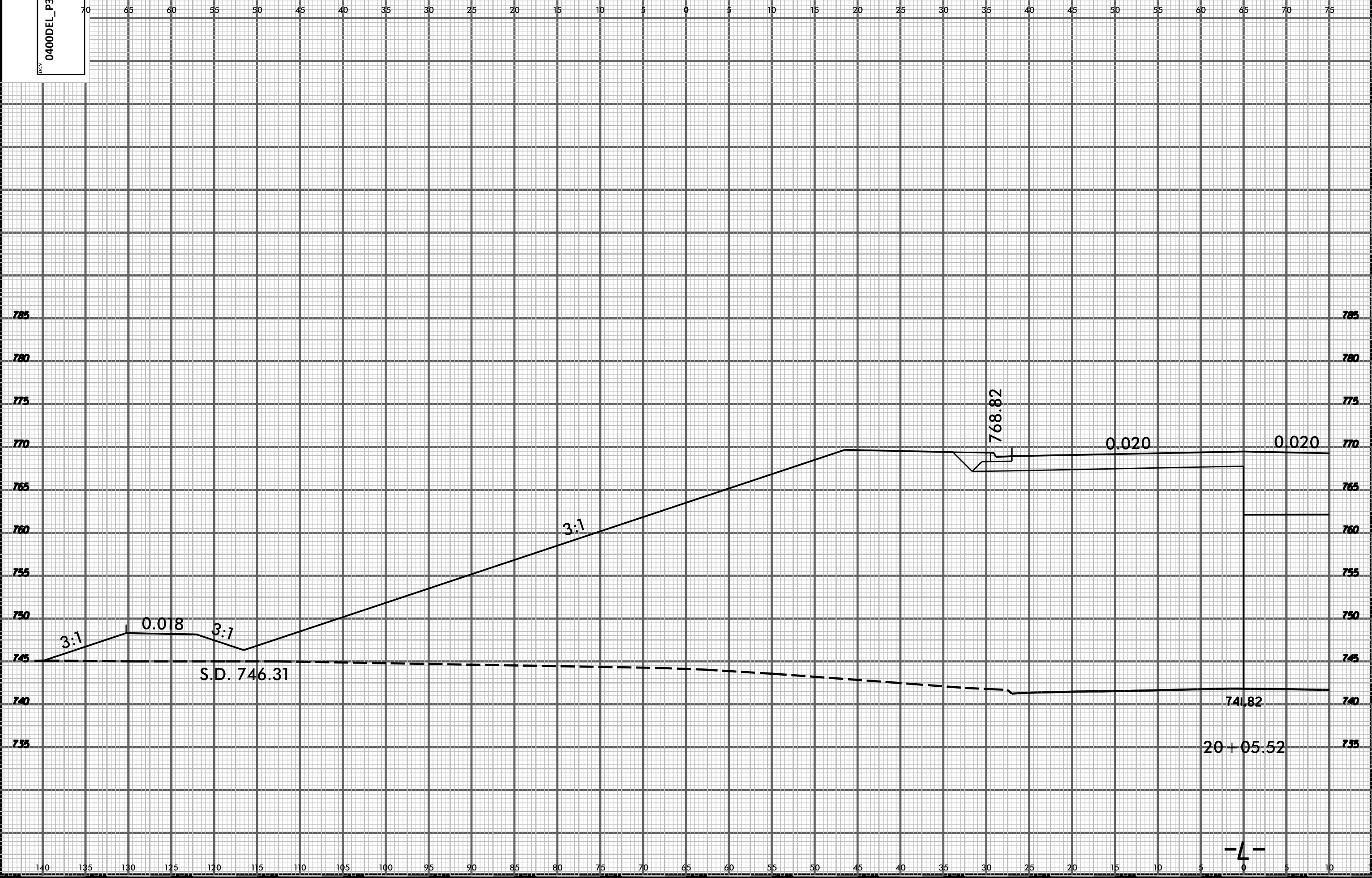
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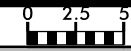
PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-14

0400DEL_P30



SYSTEMS
CONS



0400DEL_P30

PROPOSED RETAINING WALL I

PROPOSED RETAINING WALL I

752.56

752.56

0.020

0.020

0.020

4:1

732.04
28+51.64

END BRIDGE STA. 28+51.63

0.020

0.020

28+50.00
732.06

SYSTEMS
DESIGN

0400DEL_P30



PROJ. REFERENCE NO.
U-5008

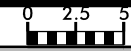
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SYSTEMS
CONSULTANTS

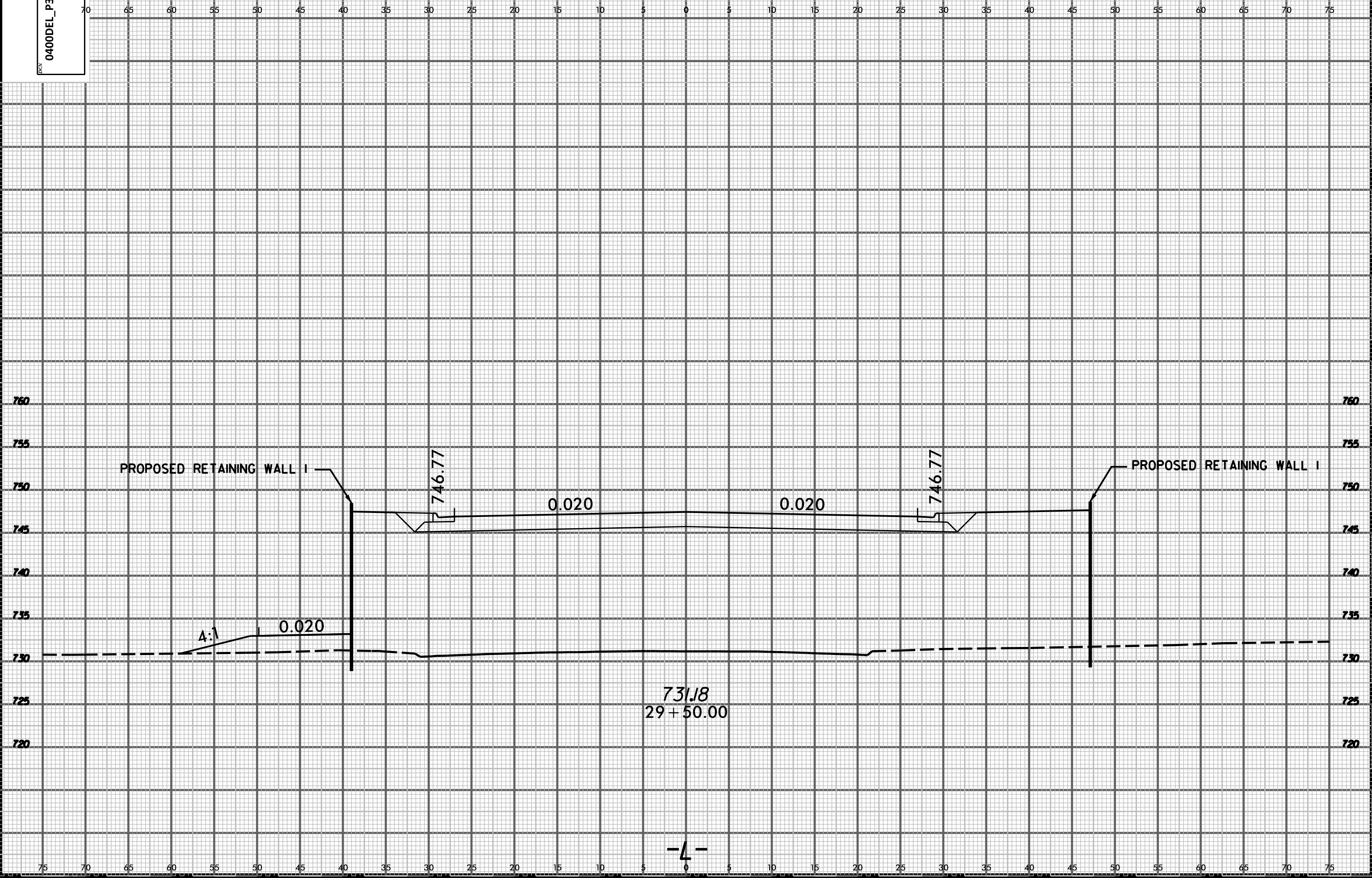
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PROJ. REFERENCE NO.
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SHEET NO.
X-17

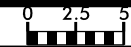
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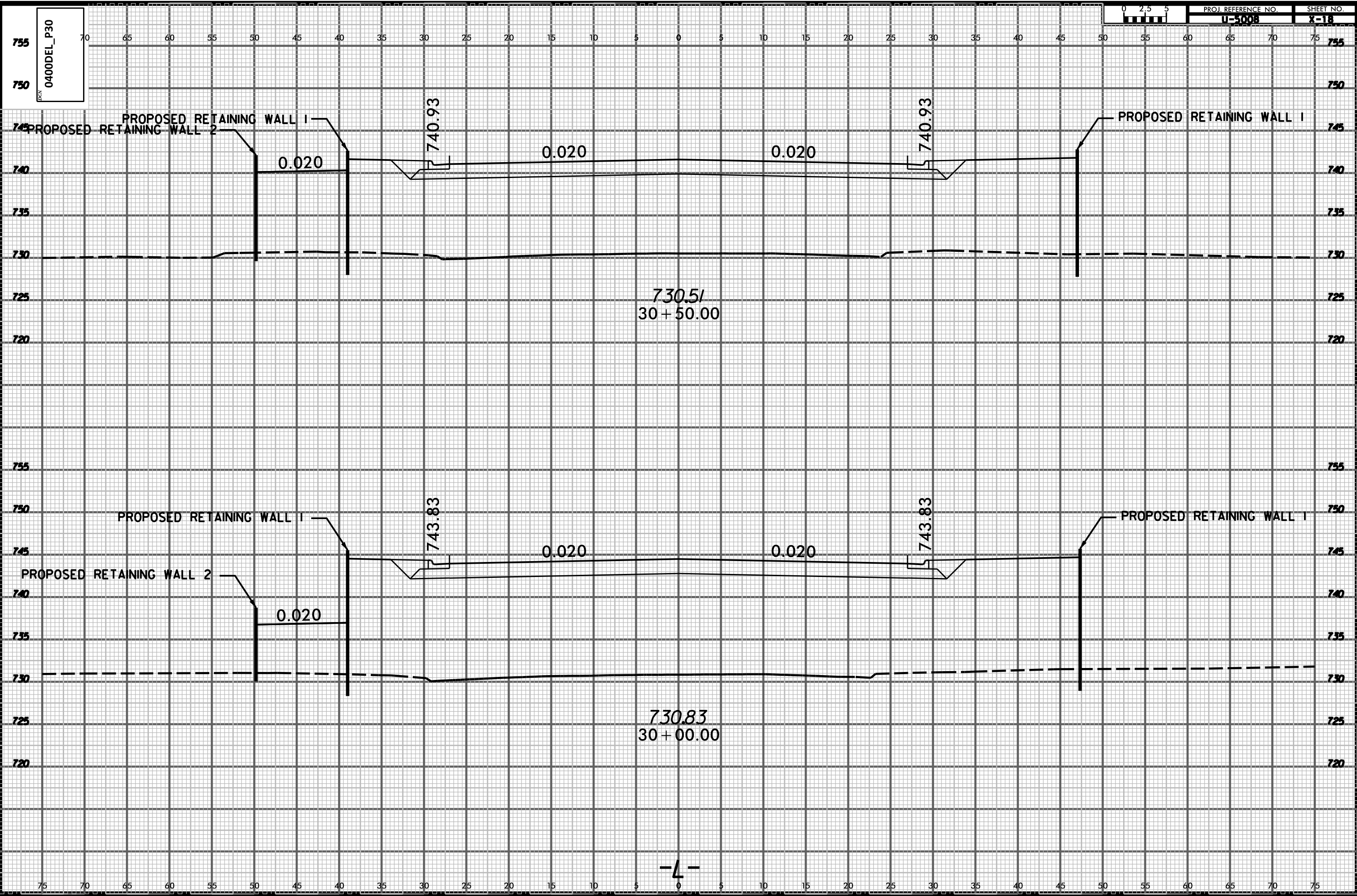
731.18
29+50.00

-4-

\$\$\$\$SYTIME\$\$\$\$
\$\$\$\$DATE\$\$\$\$
\$\$\$\$TIME\$\$\$\$
\$\$\$\$DRAWN\$\$\$\$
\$\$\$\$CHECKED\$\$\$\$
\$\$\$\$DATE\$\$\$\$
\$\$\$\$TIME\$\$\$\$
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\$\$\$\$CHECKED\$\$\$\$
\$\$\$\$DATE\$\$\$\$
\$\$\$\$TIME\$\$\$\$

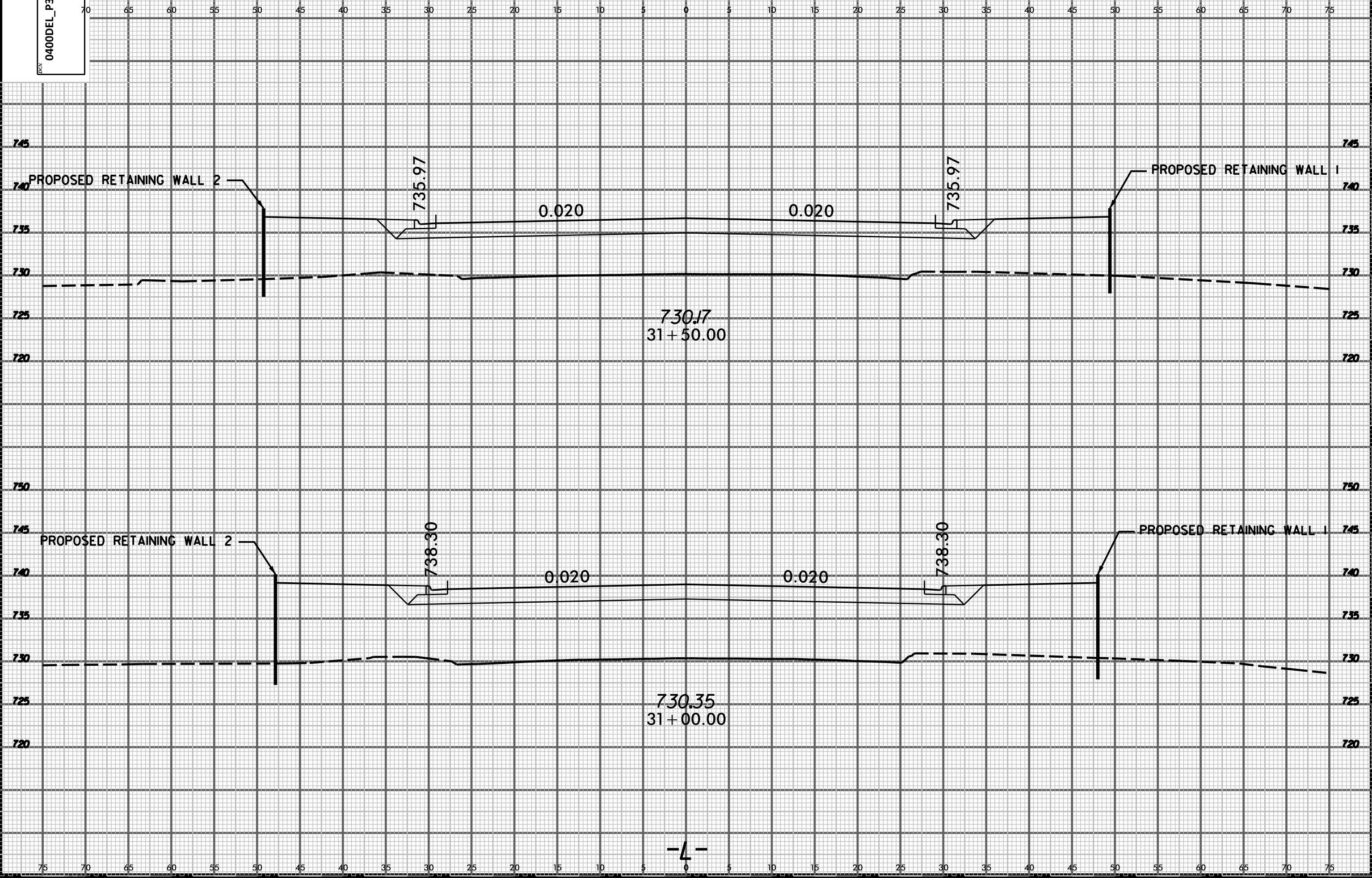


0400DEL_P30



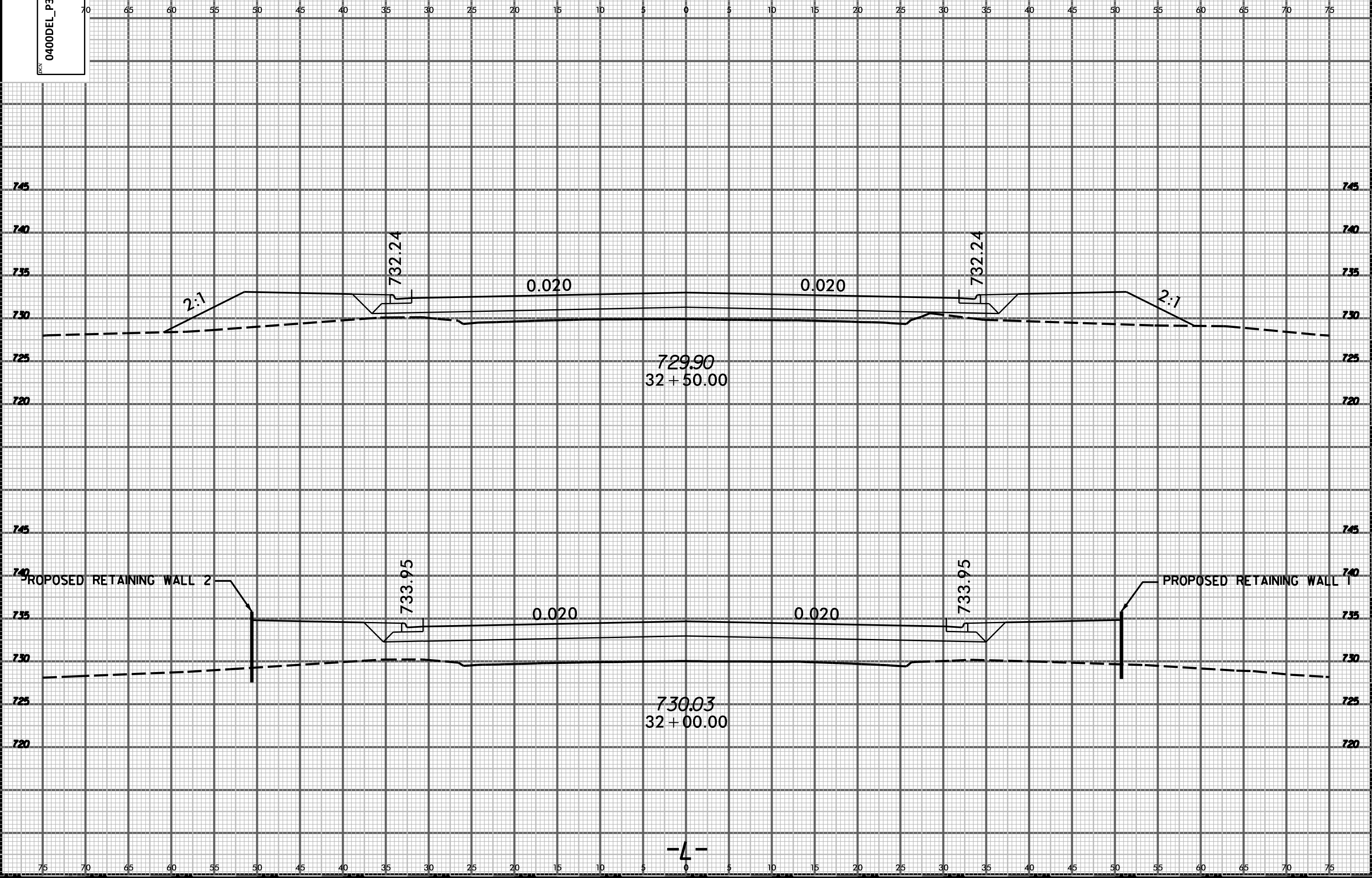
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DESIGN
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0400DEL_P30



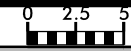
SYSTEMS
DESIGN

0400DEL_P30



SYSTEMS
DRAWING

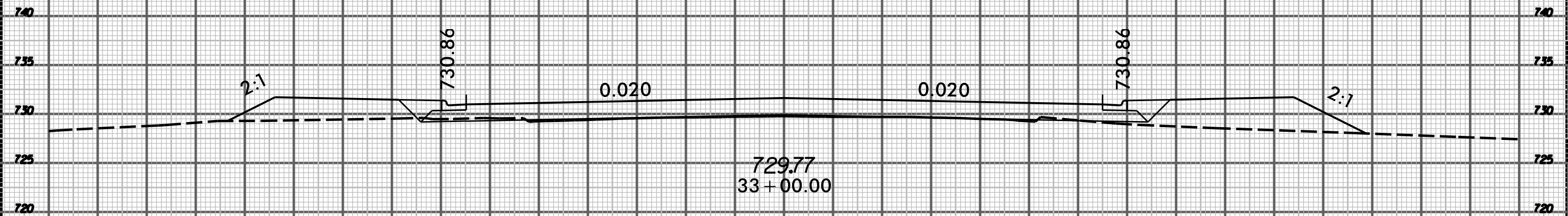
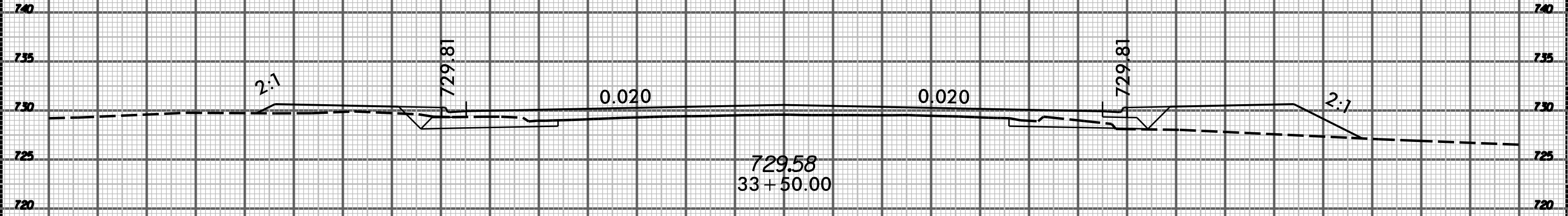
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PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-21

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SYSTEMS
CONSULTANTS

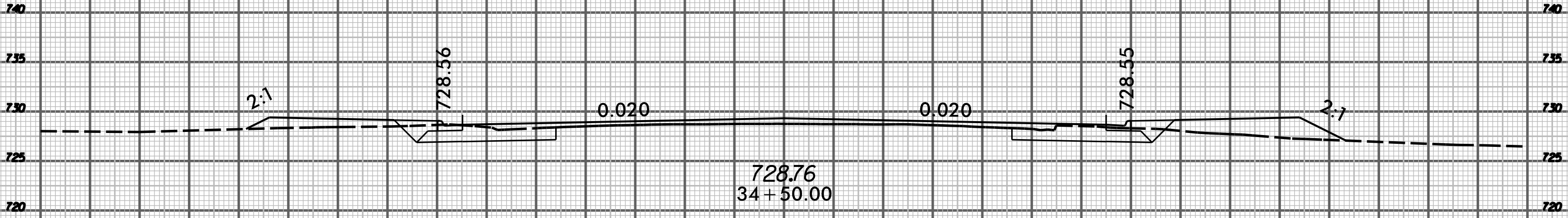
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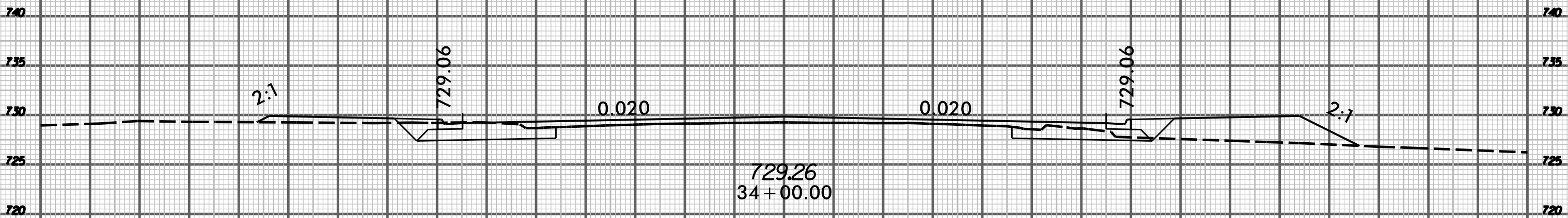
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U-5008

SHEET NO.
X-22

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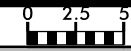


728.76
34 + 50.00



729.26
34 + 00.00

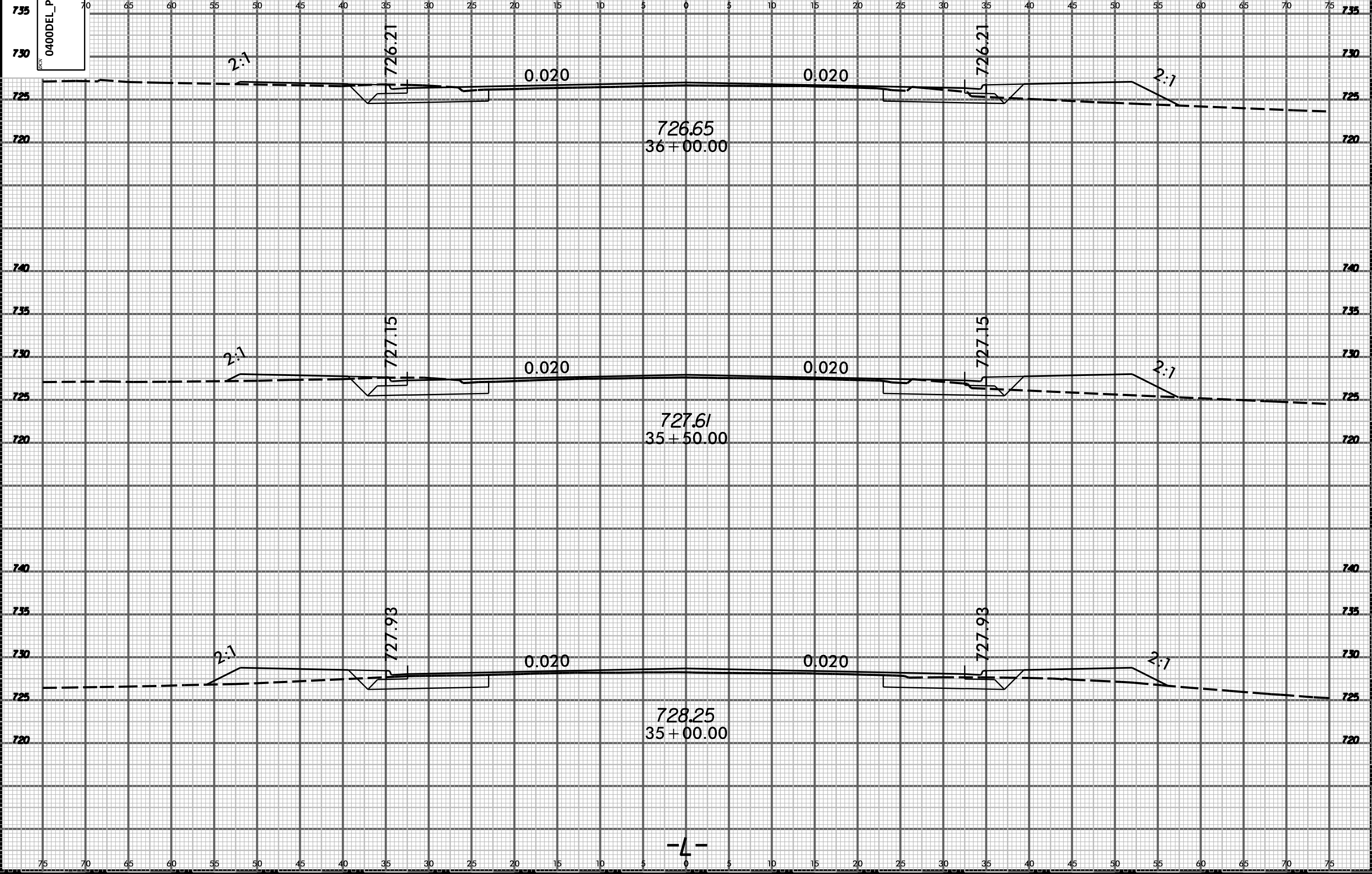
SYSTEMS
CONSULTANTS



PROJ. REFERENCE NO.
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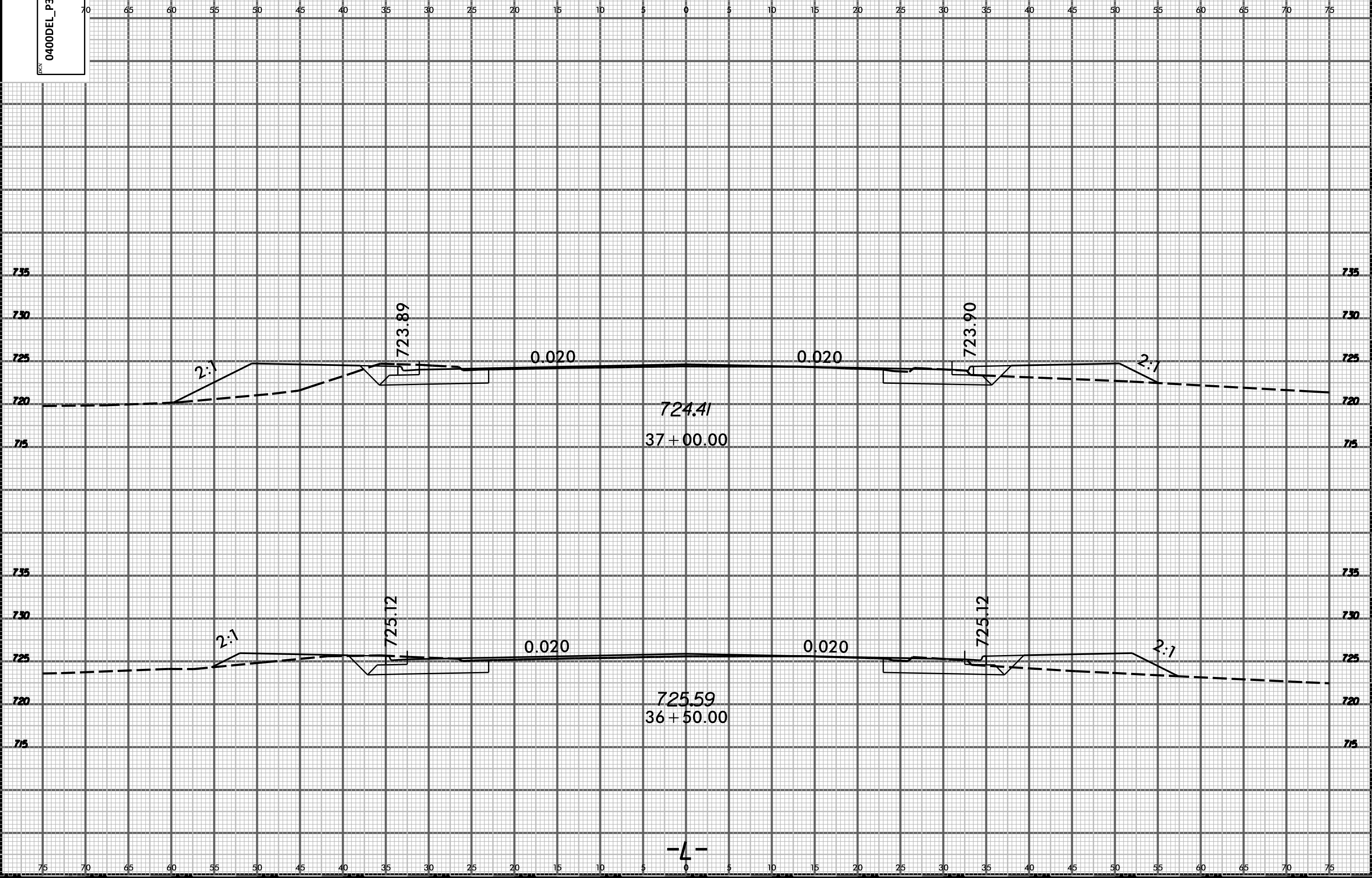
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0400DEL_P30



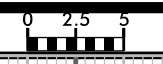
SYSTEMS
CONSTRUCTION

0400DEL_P30



SYSTEMS
CONSULTANTS
INCORPORATED

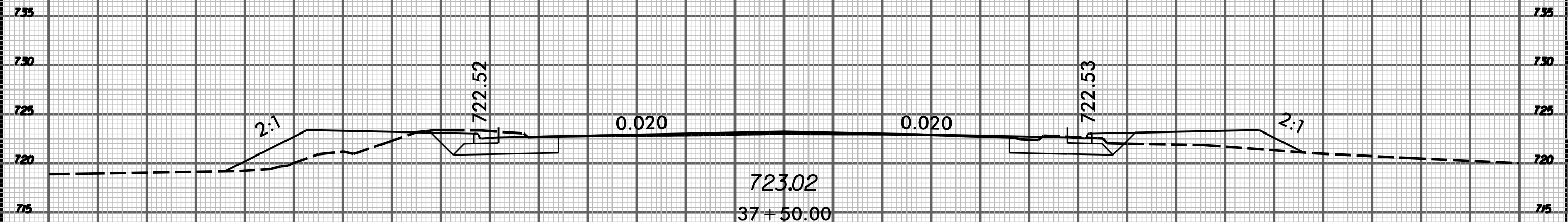
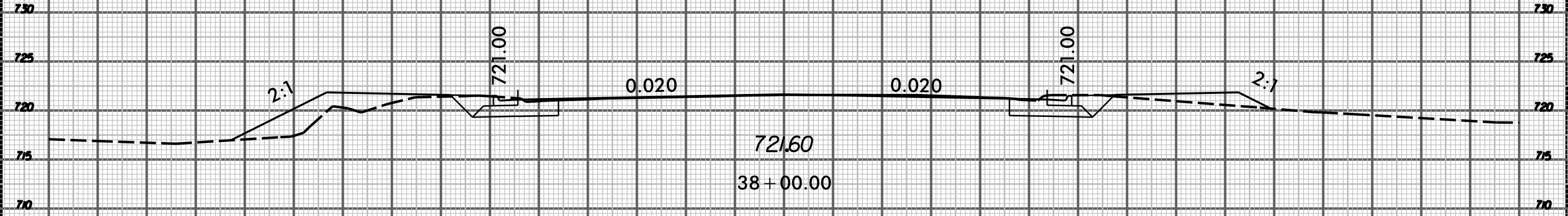
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PROJ. REFERENCE NO.
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SHEET NO.
X-25

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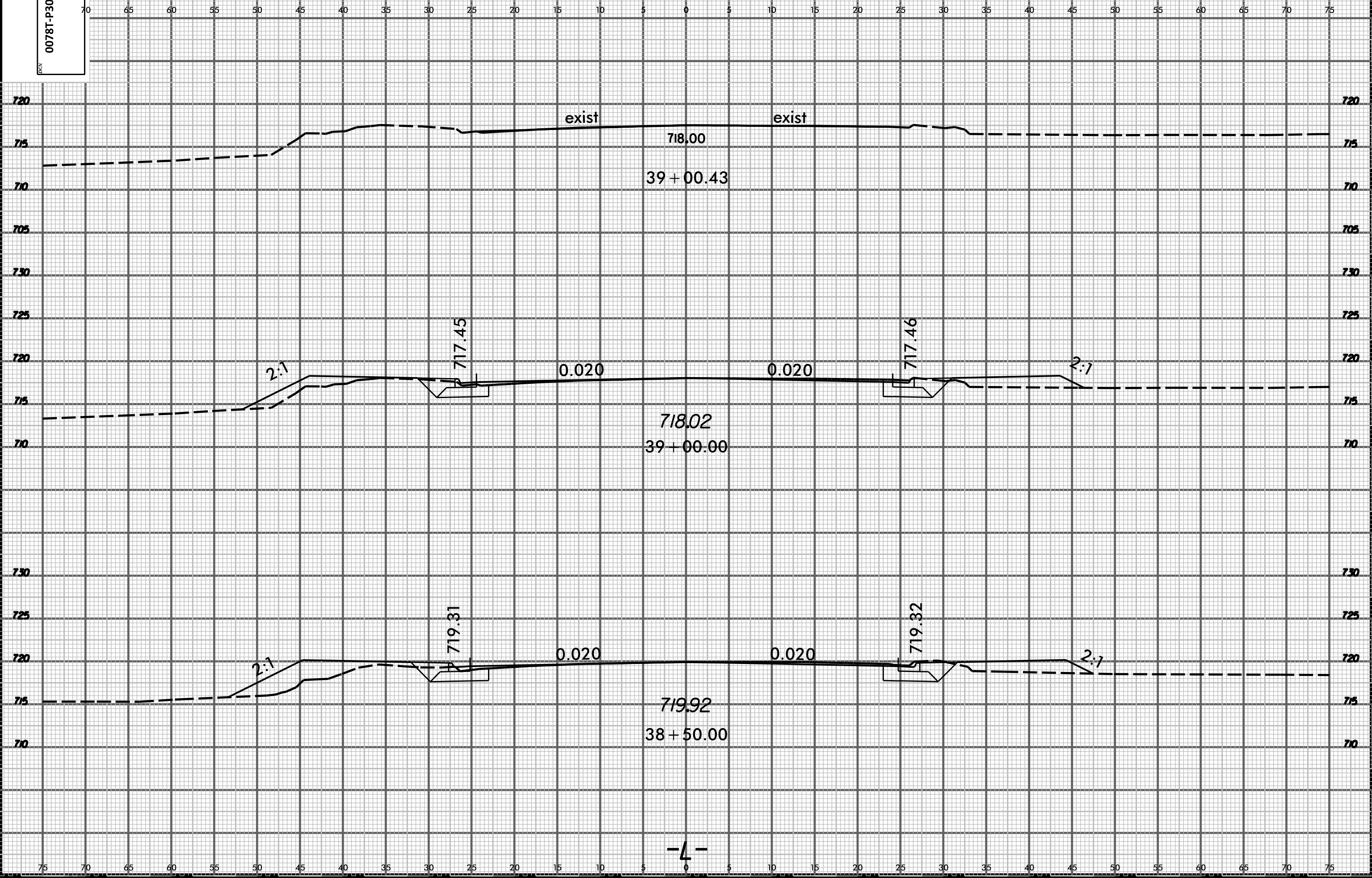
SYSTEMS
CONSULTANTS

0078T-P30



PROJ. REFERENCE NO.
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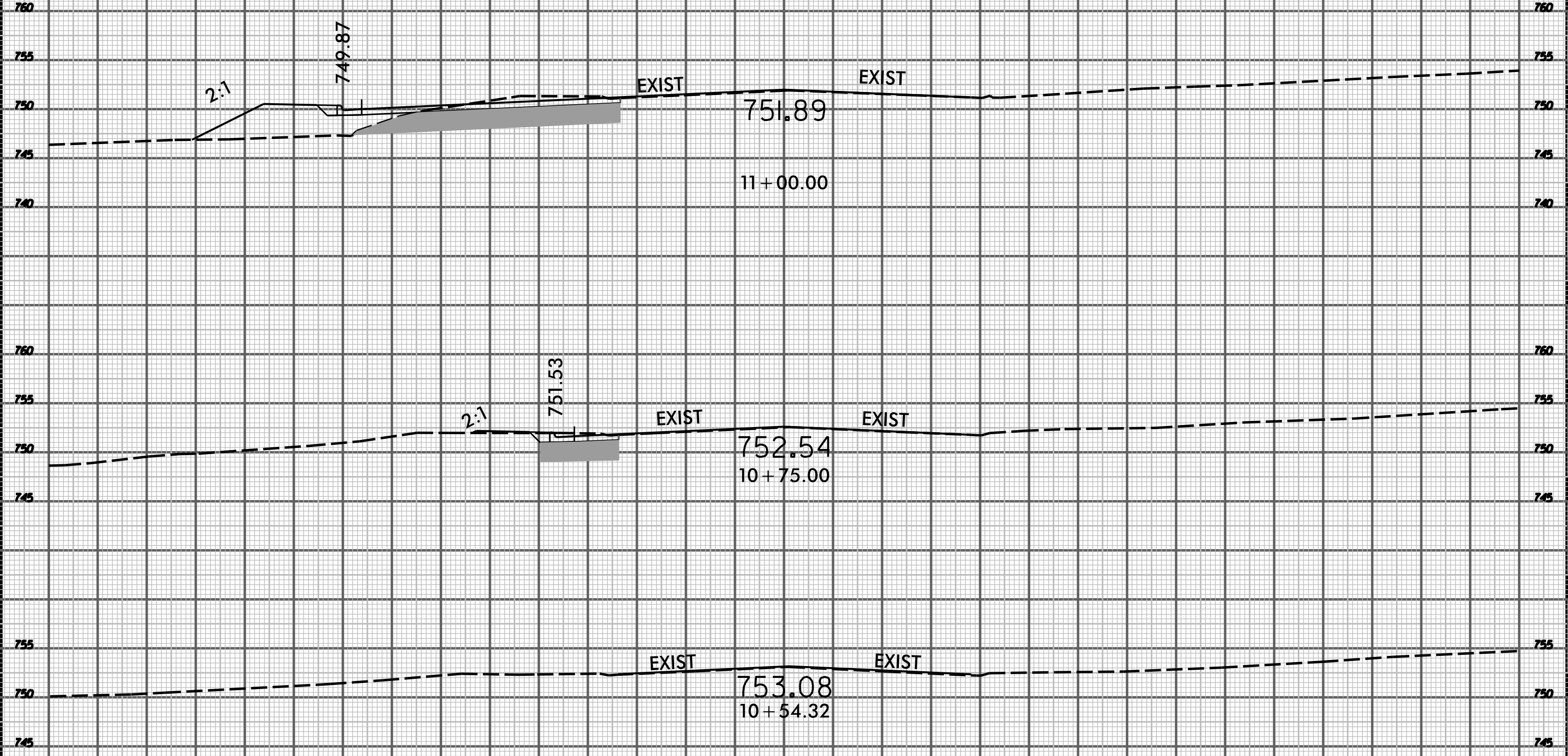
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X-26



-4-

SYSTEMS
DESIGN

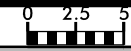
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SHALLOW UNDERCUT

-YI-

SYSTEMS



PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-28

0400DEL_P30

755

750

745

760

755

750

745

740

760

755

750

745

740

755

750

745

760

755

750

745

740

760

755

750

745

740

exist

exist

750.14

11+61.97

2:1

749.39

EXIST

EXIST

750.51

2:1

750.53

11+50.00

2:1

749.03

EXIST

EXIST

750.87

2:1

751.23

11+25.00

SHALLOW UNDERCUT

-YI-

SYSTEMS
DEL
CON

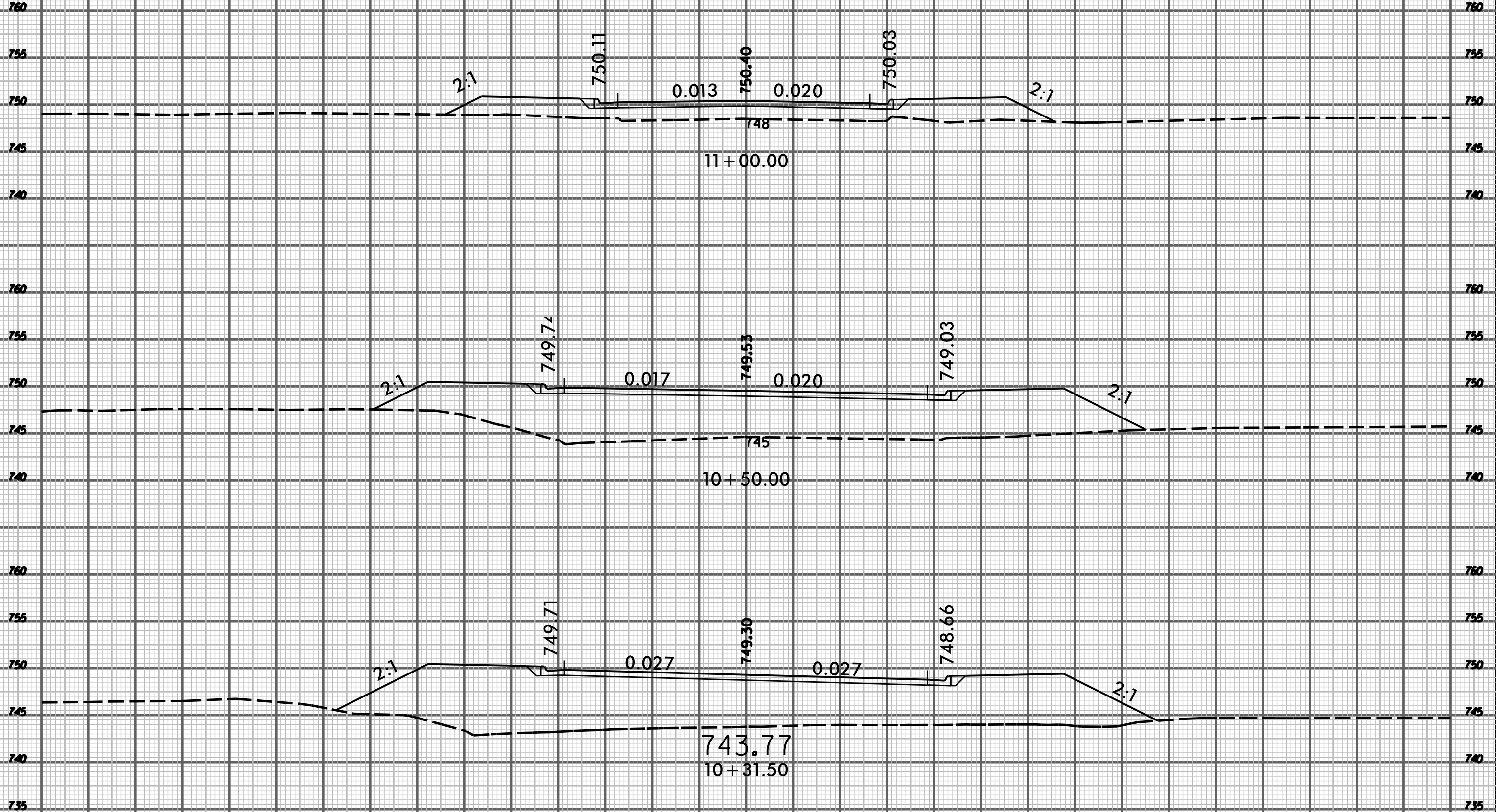
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PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-29

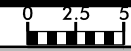
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SYSTEMS
DESIGN

-Y2-

0400DEL_P30



PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-30

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50

755 755

750 750

exist exist

751.88

11 + 81.18

760 760

755 755

2:1

751.08

0.020

751.42

0.020

751.08

5:1

750 750

745 745

11 + 50.00

-Y2-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

SYSTEMS
DRAWING

8/23/99

0400DEL_P30



PROJ. REFERENCE NO.

U-500B

SHEET NO.

X-31

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

730

725

720

715

710

705

700

715

710

700

715

710

705

715

710

705

710

705

EXISTING RR
RIGHT OF WAY

2:1

713.46

0.020

713.92

0.020

10 + 50.00

EXISTING RR
RIGHT OF WAY

2:1

711.91

EXIST

712.37

EXIST

10 + 00.00

EXIST

711.04

EXIST

9 + 50.00

EXIST

710.31

EXIST

9 + 00.00

exist

709.81

exist

8 + 68.80

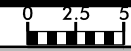
SHEAR TO ROAD

SHEAR TO ROAD



-Y3-

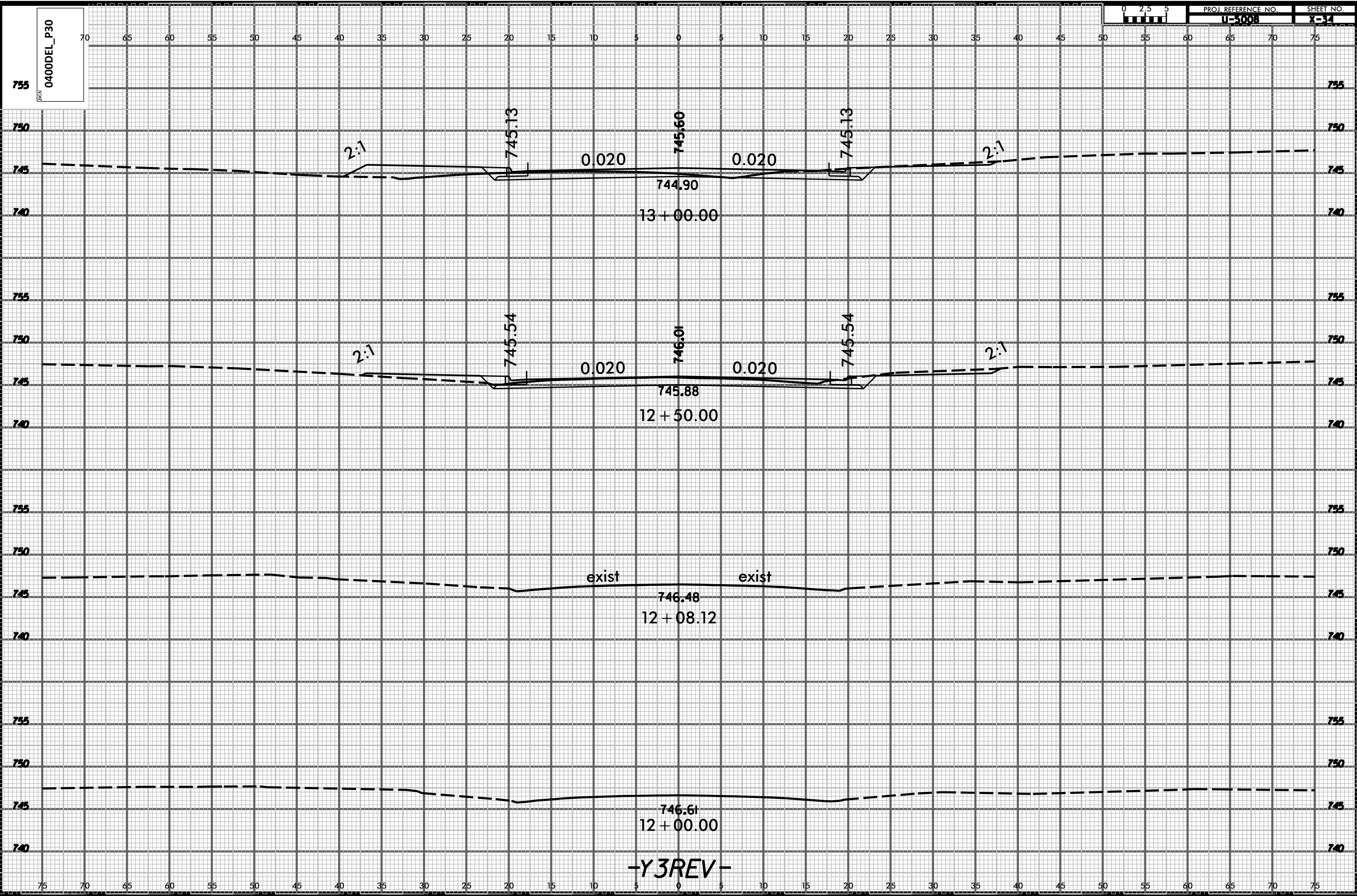
SYSTEM TIME \$\$\$\$\$\$
LINES \$\$\$\$\$\$
\$\$\$\$\$



PROJ. REFERENCE NO.
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SHEET NO.
X-34

0400DEL_P30



-Y3REV-

SYSTEMS
DOWN

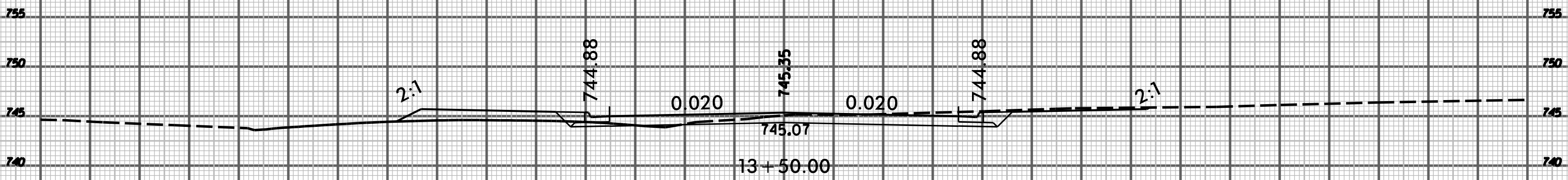
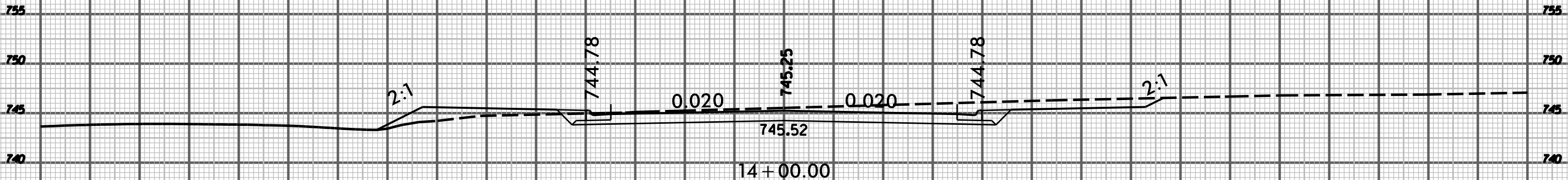
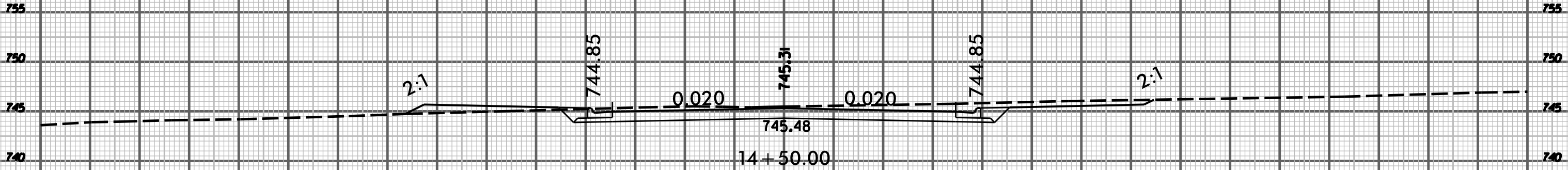
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PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-35

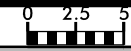
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-Y3REV-

SYSTEMS
DESIGN

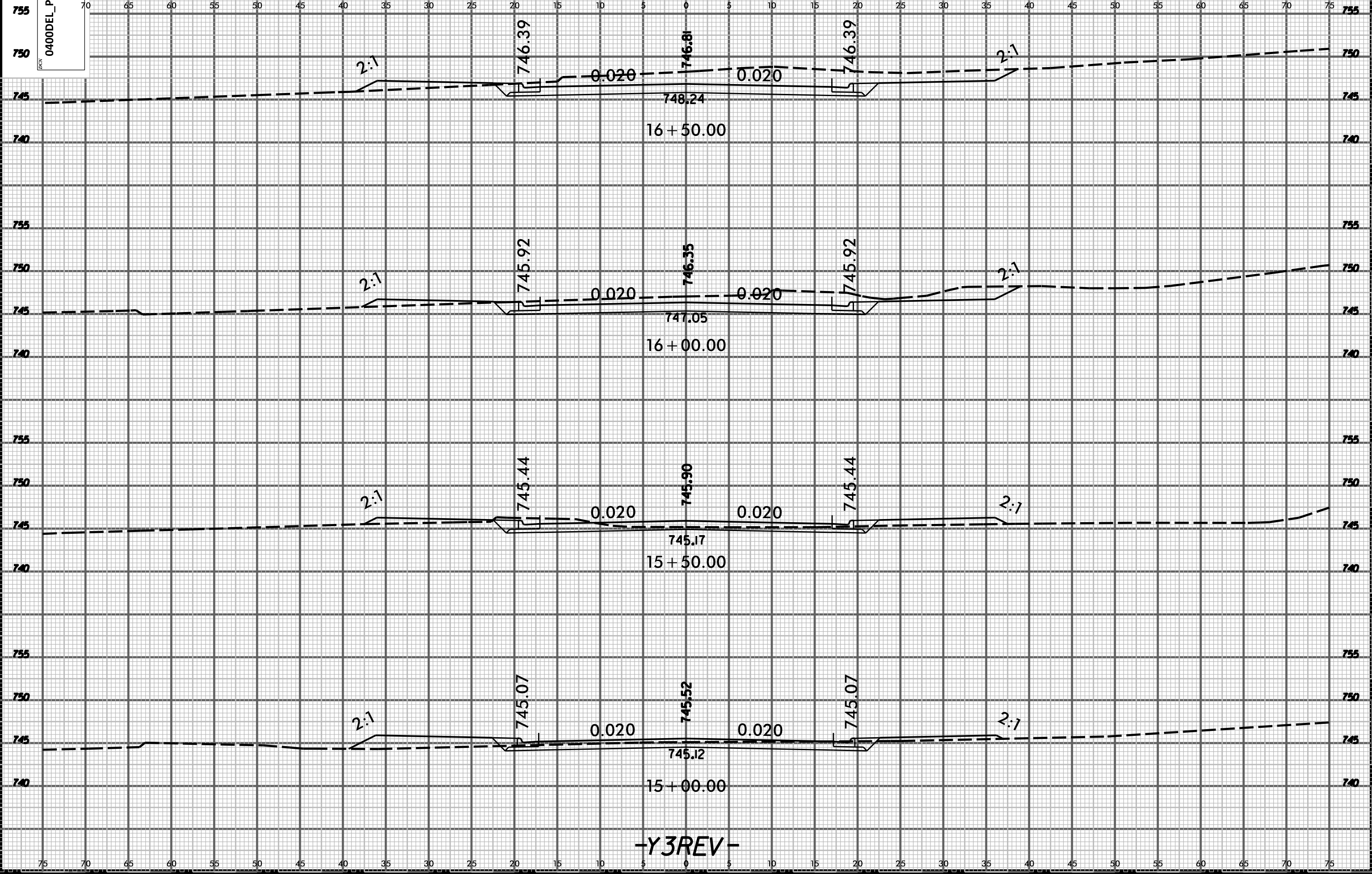
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PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-36

0400DEL_P30



-Y3REV-

SYSTEMS
CONSULTANTS
INCORPORATED

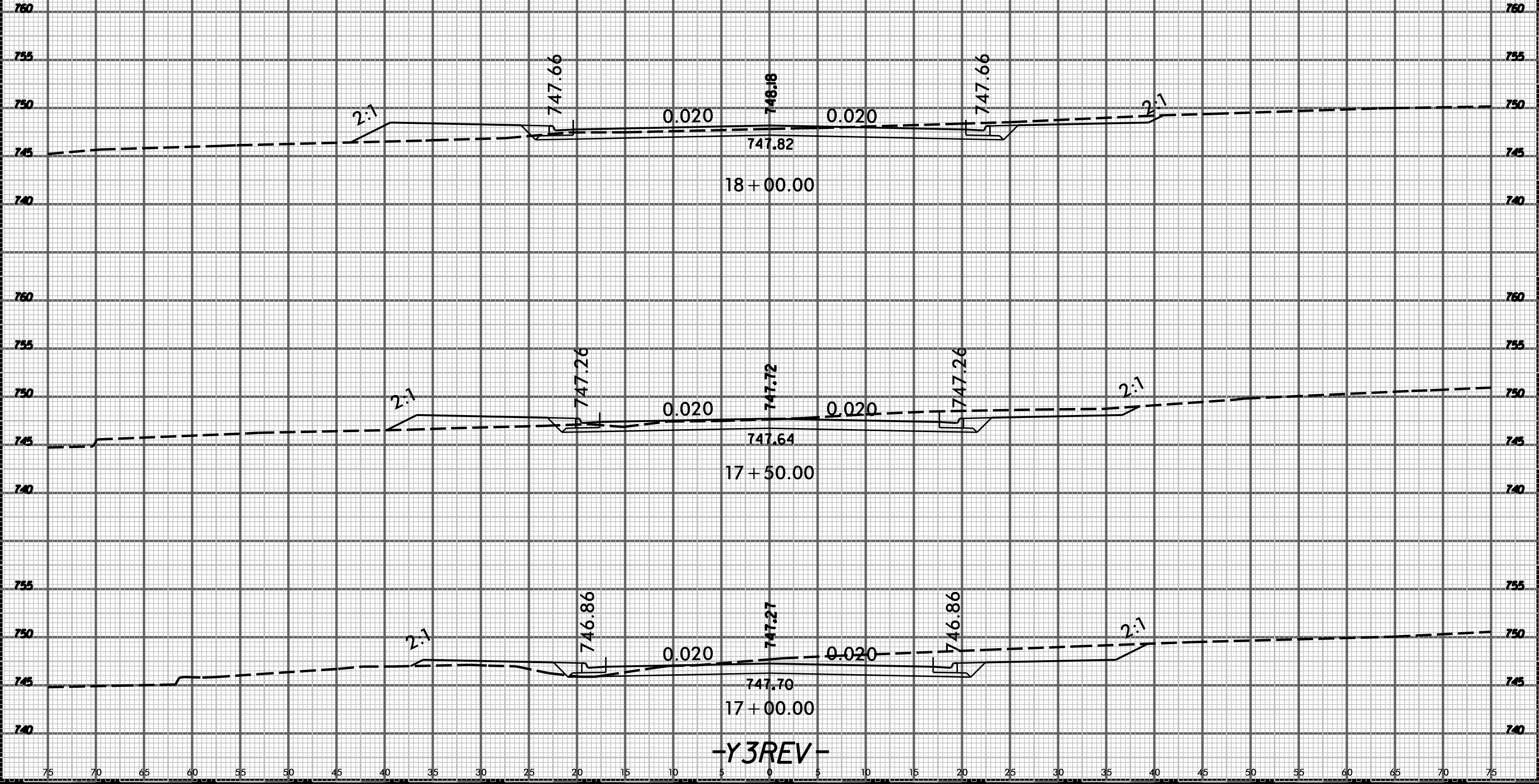
0400DEL_P30



PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-37

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-Y3REV-

SYSTEMS
CONSULTANTS
INCORPORATED

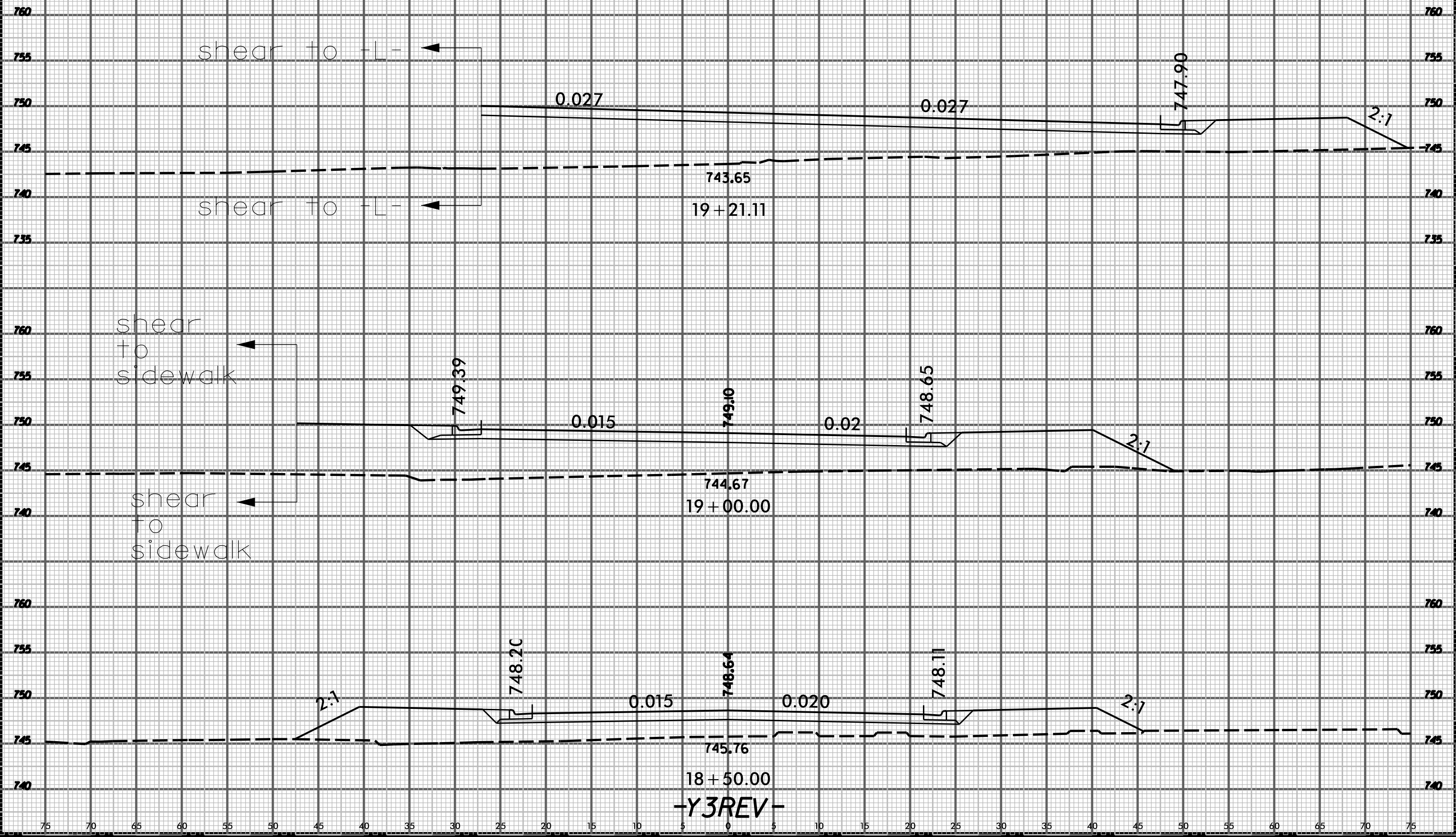
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PROJ. REFERENCE NO. U-5008

SHEET NO. X-38

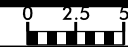
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19 + 21.11
743.65
19 + 00.00
744.67
18 + 50.00
745.76
-Y3REV-

SYSTEMS
DRAWING

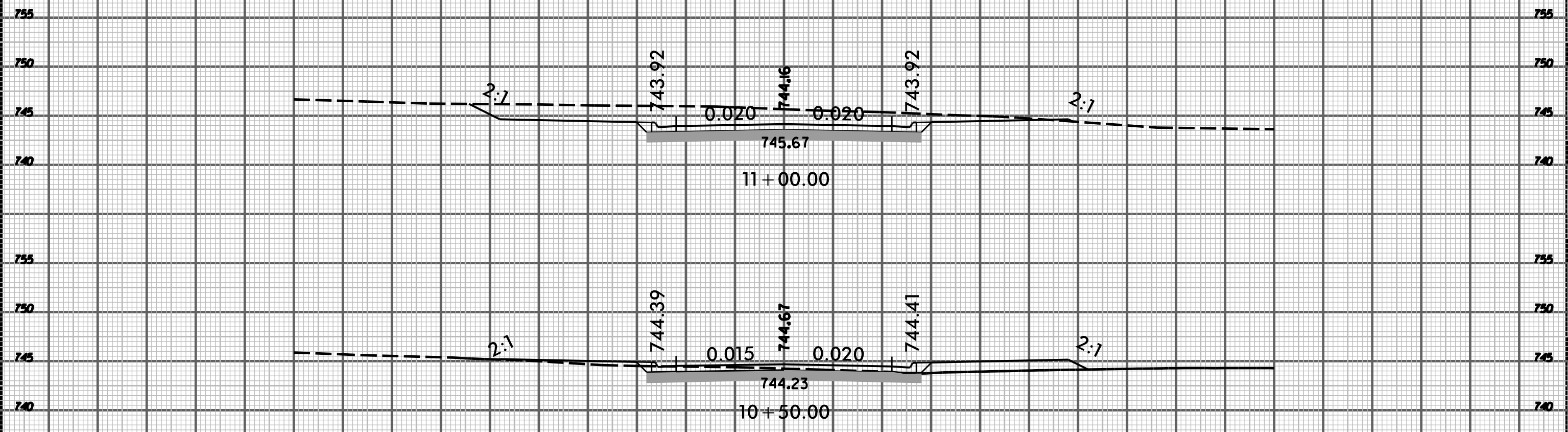
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PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-39

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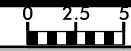


SHALLOW UNDERCUT

-Y4-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

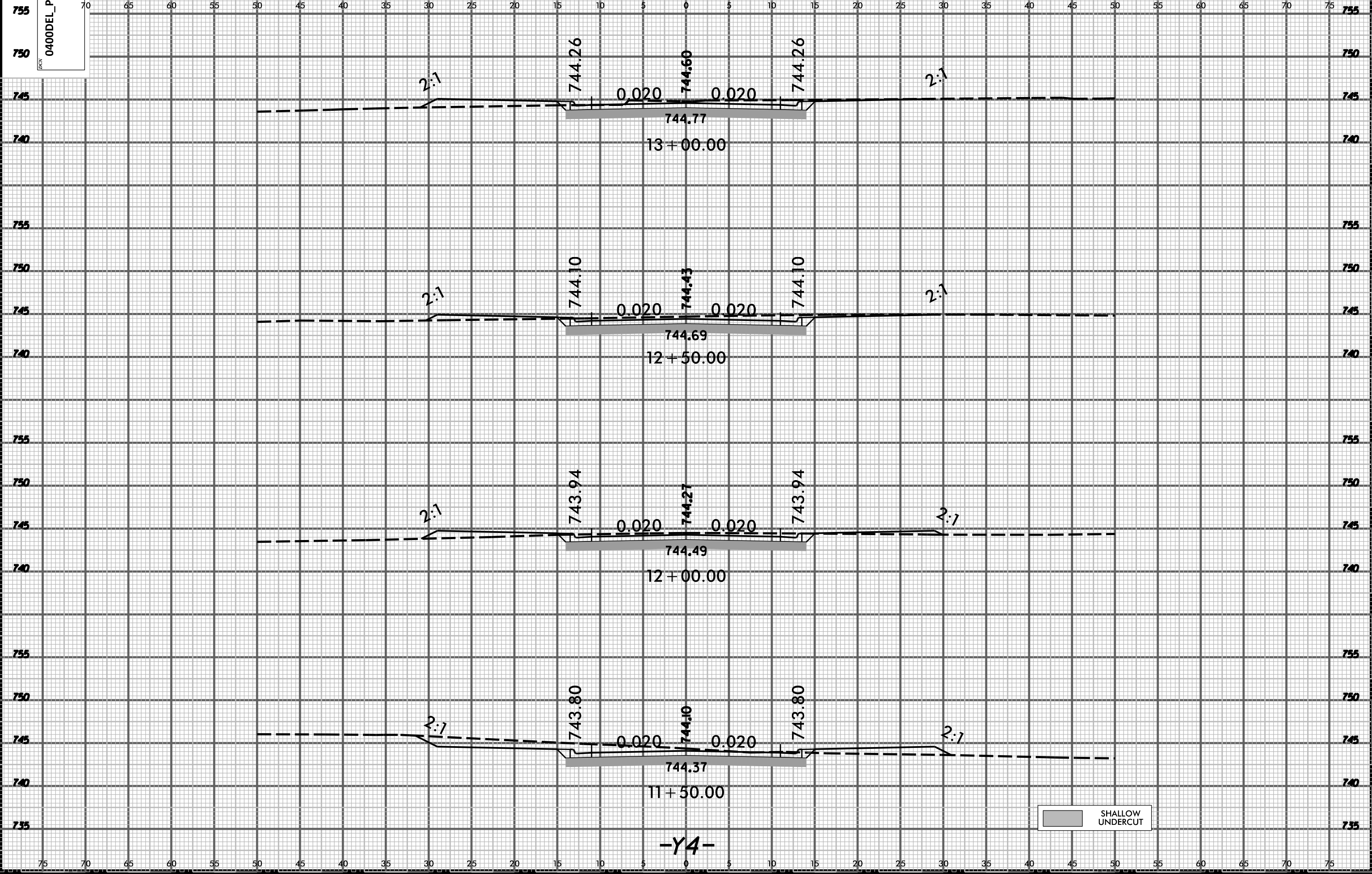
SYSTEMS
DOWN



PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-40

0400DEL_P30



SHALLOW UNDERCUT

-Y4-

SYSTEMS
DGN

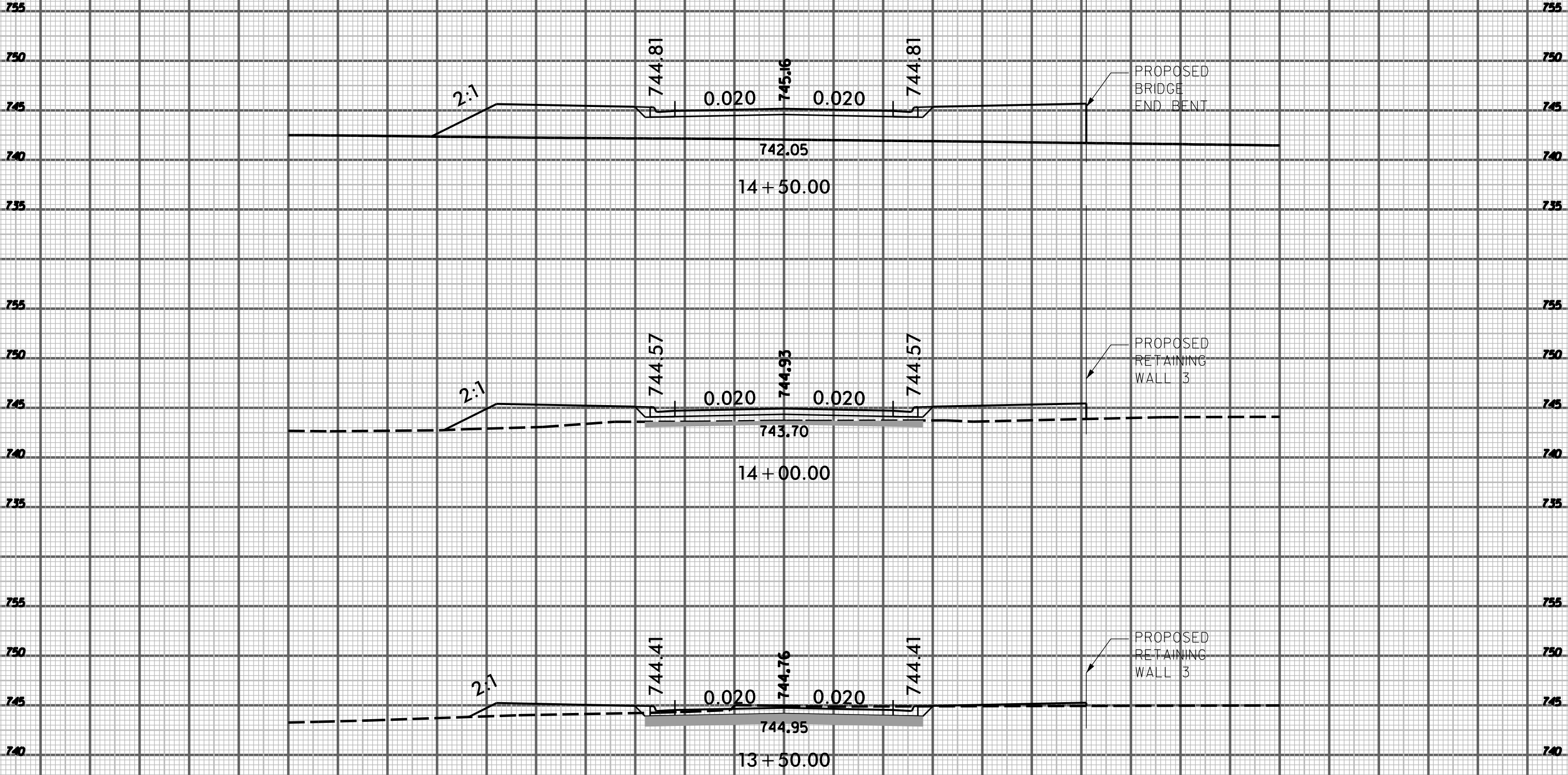
0400DEL_P30



PROJ. REFERENCE NO. U-5008

SHEET NO. X-41

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



SHALLOW UNDERCUT

-Y4-

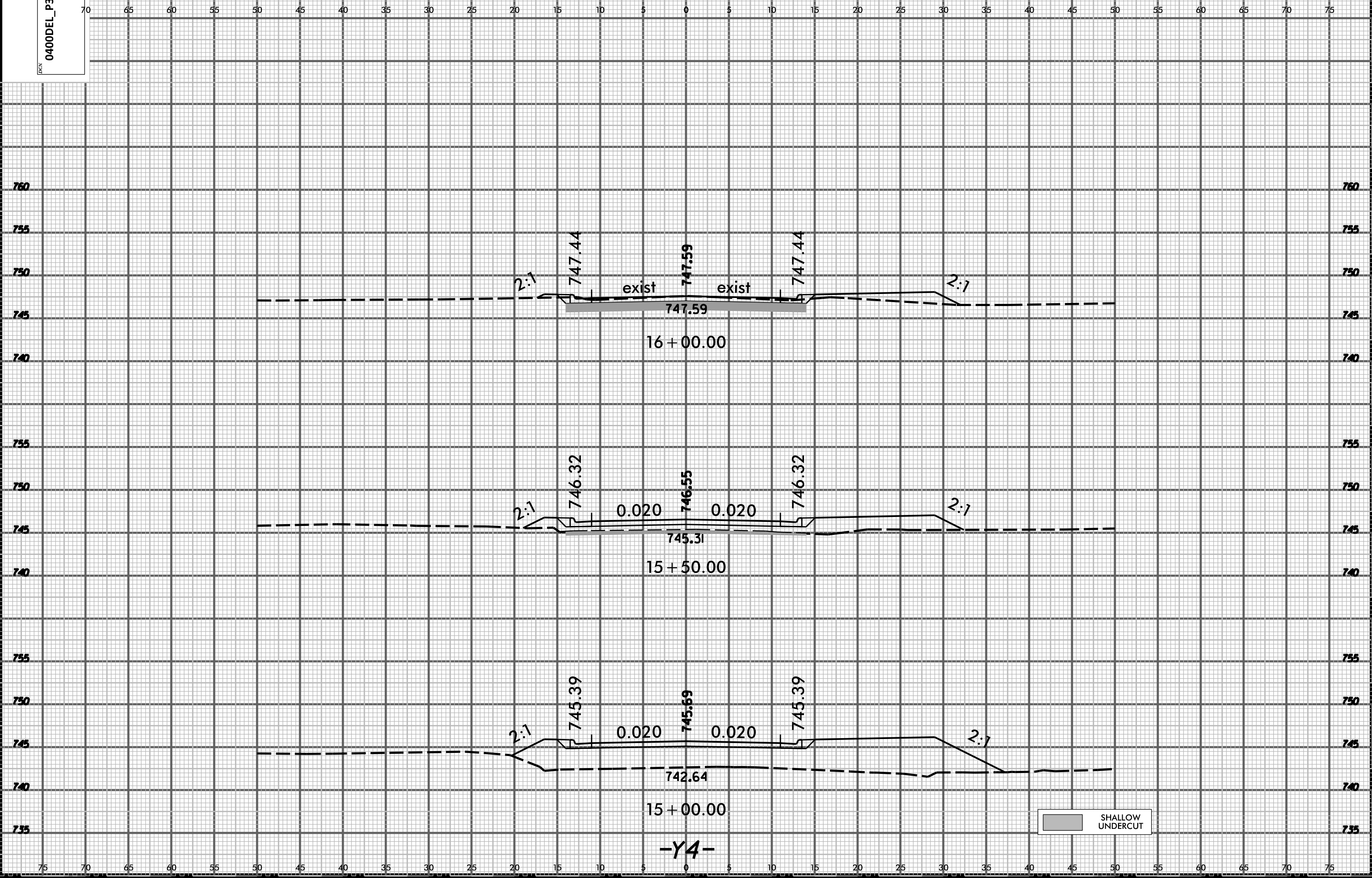
SYSTEMS
DGN

0400DEL_P30



PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-42

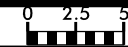


SHALLOW UNDERCUT

-Y4-

SYSTEMS
DOWN

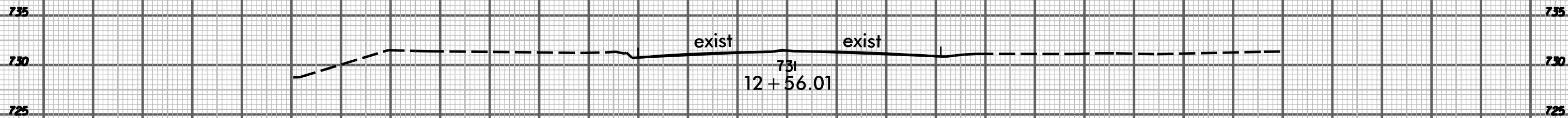
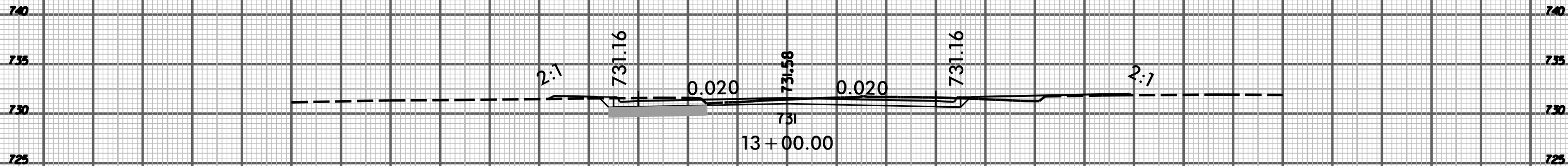
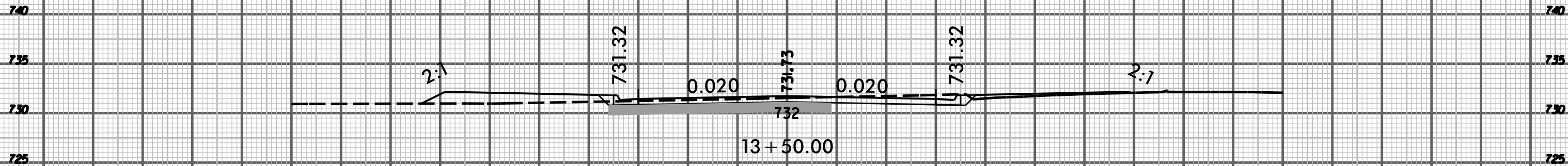
0400DEL_P30



PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-43

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50



SHALLOW UNDERCUT

-Y5-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

SYSTEMS
DELTA
DGN

0400DEL_P30



PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-44

PROPOSED
BRIDGE
END BENT

731.77

732.18

731.77

0.020

0.020

2:1

733

15 + 00.00

731.61

732.03

731.61

0.020

0.020

2:1

732

14 + 50.00

731.41

731.88

731.41

0.020

0.020

2:1

732

14 + 00.00

SHALLOW
UNDERCUT

-Y5-

SYSTEMS
DELTA
DRAWING

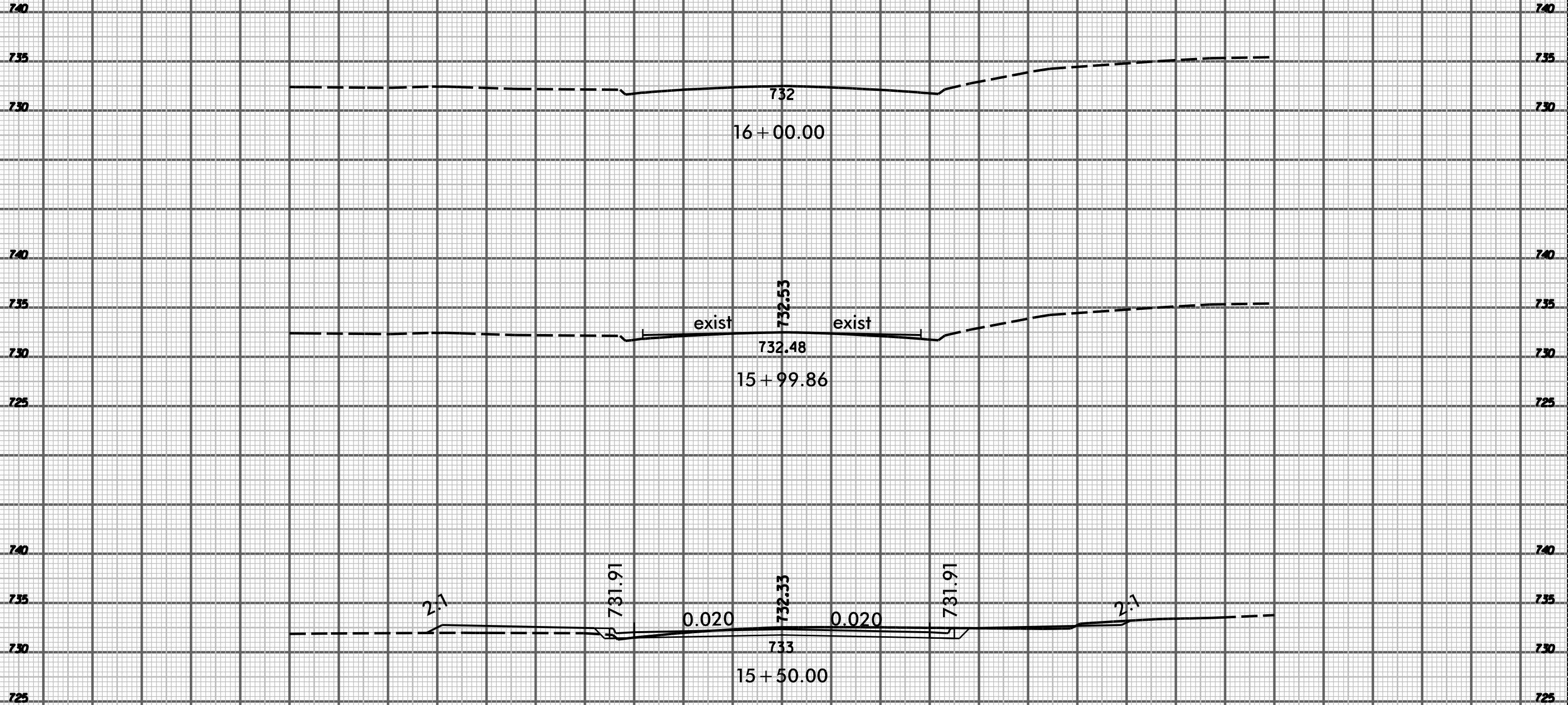
0400DEL_P30



PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-45

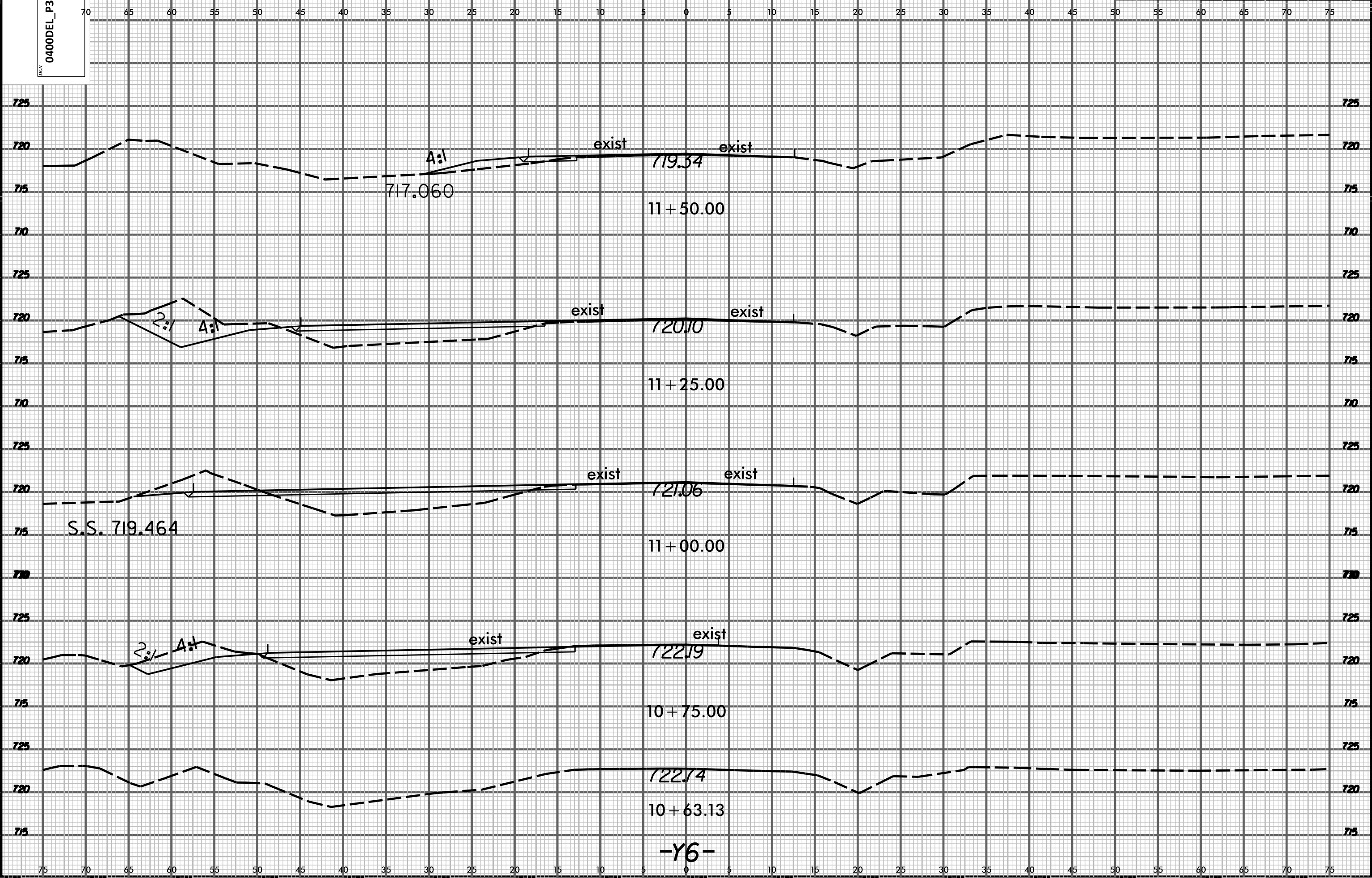
70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50



SYSTEMS
DESIGN

8/23/99

0400DEL_P30



SYTIME\$\$\$\$
LINES\$\$\$\$
SYTIME\$\$\$\$

8/23/99

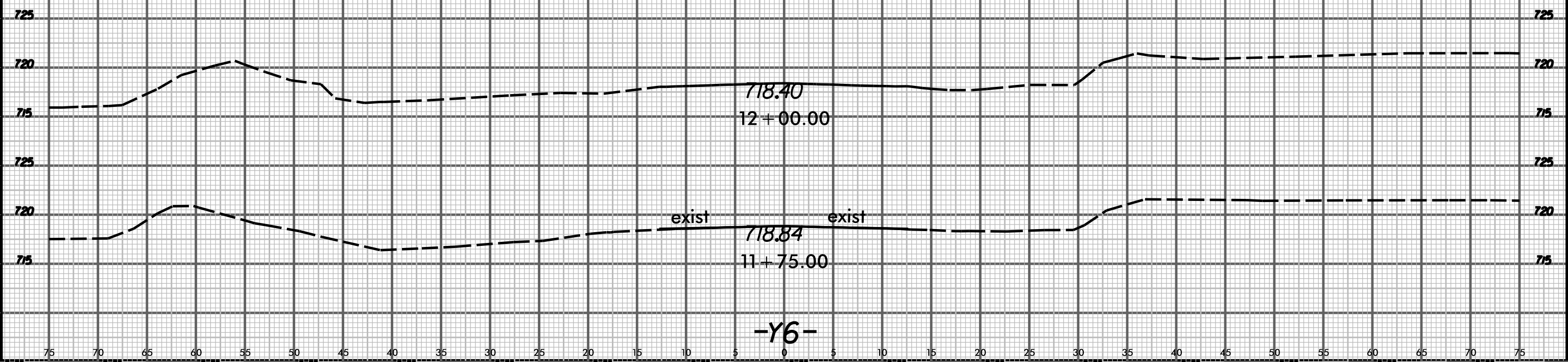
0400DEL_P30



PROJ. REFERENCE NO. U-5008

SHEET NO. X-47

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

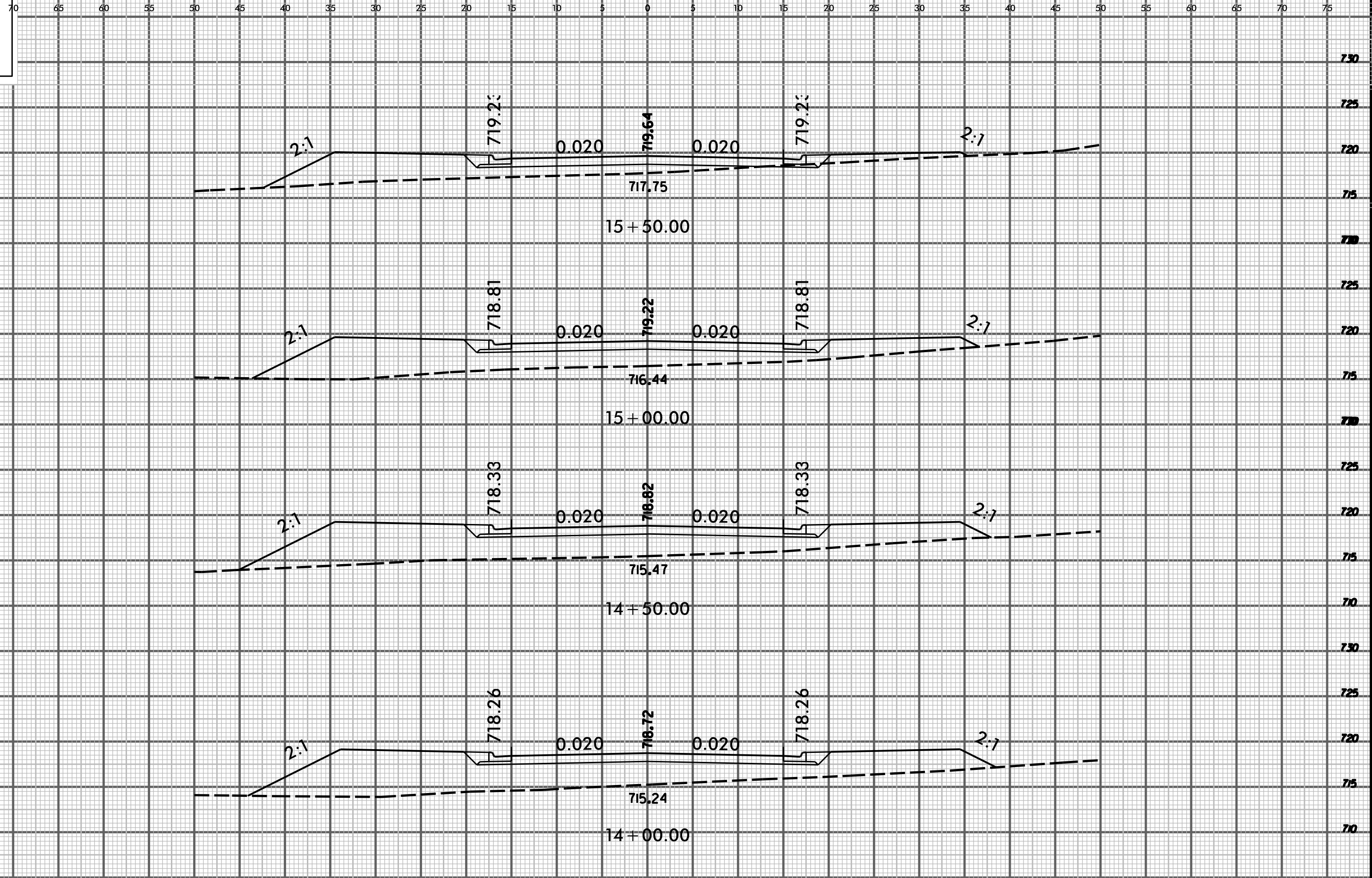


SYTIME
LINES

8/23/99

SYSTEMS
 DATE
 TIME
 0400DEL_P30

730
 0400DEL_P30



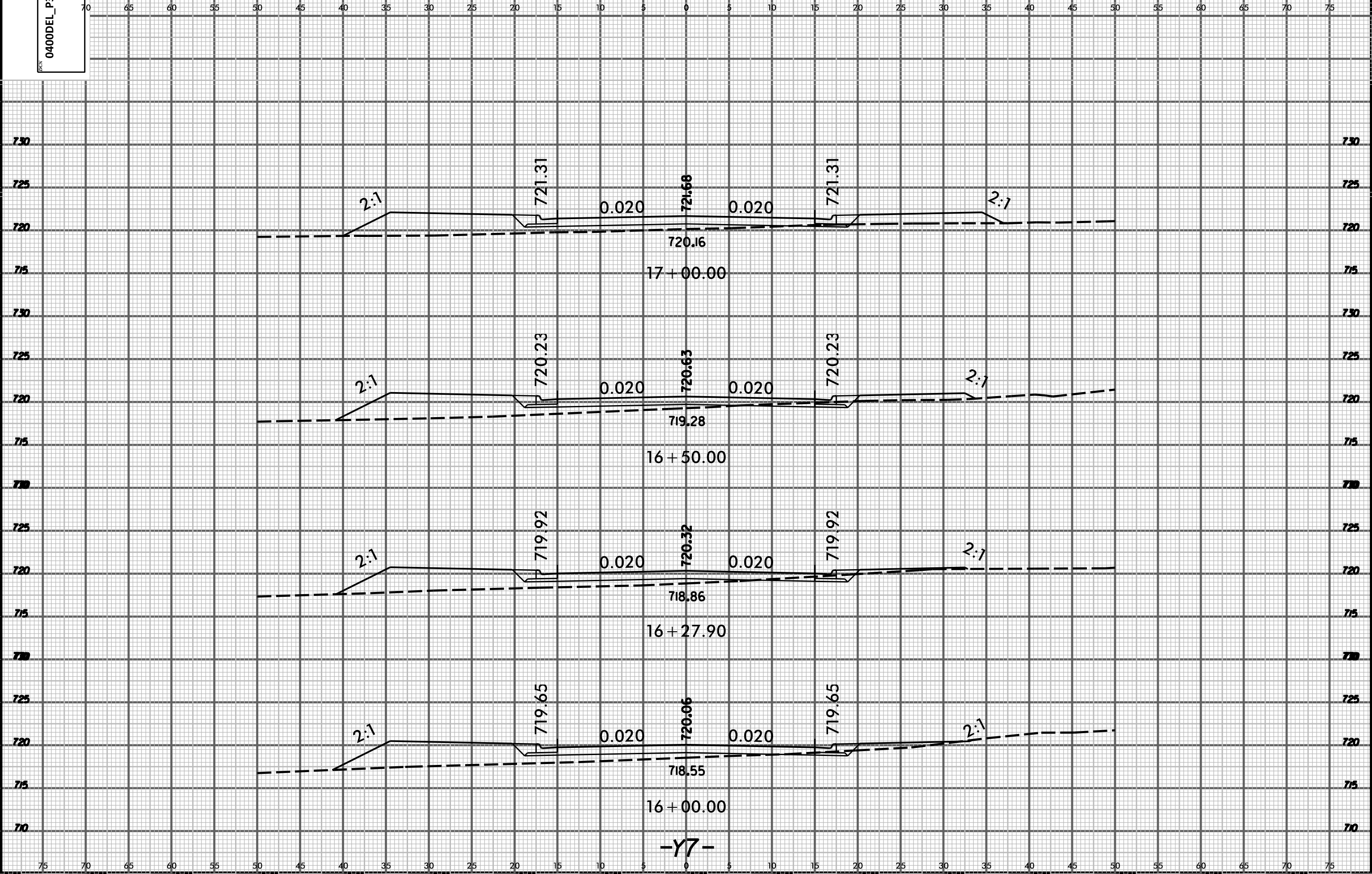
8/23/99

0400DEL_P30



PROJ. REFERENCE NO.
U-5008

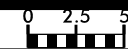
SHEET NO.
X-51



SYTIME
LINES
LINES

8/23/99

0400DEL_P30



PROJ. REFERENCE NO.
U-5008

SHEET NO.
X-53

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

740

740

735

735

730

730

725

725

0.020

0.020

733.92

19 + 75.98

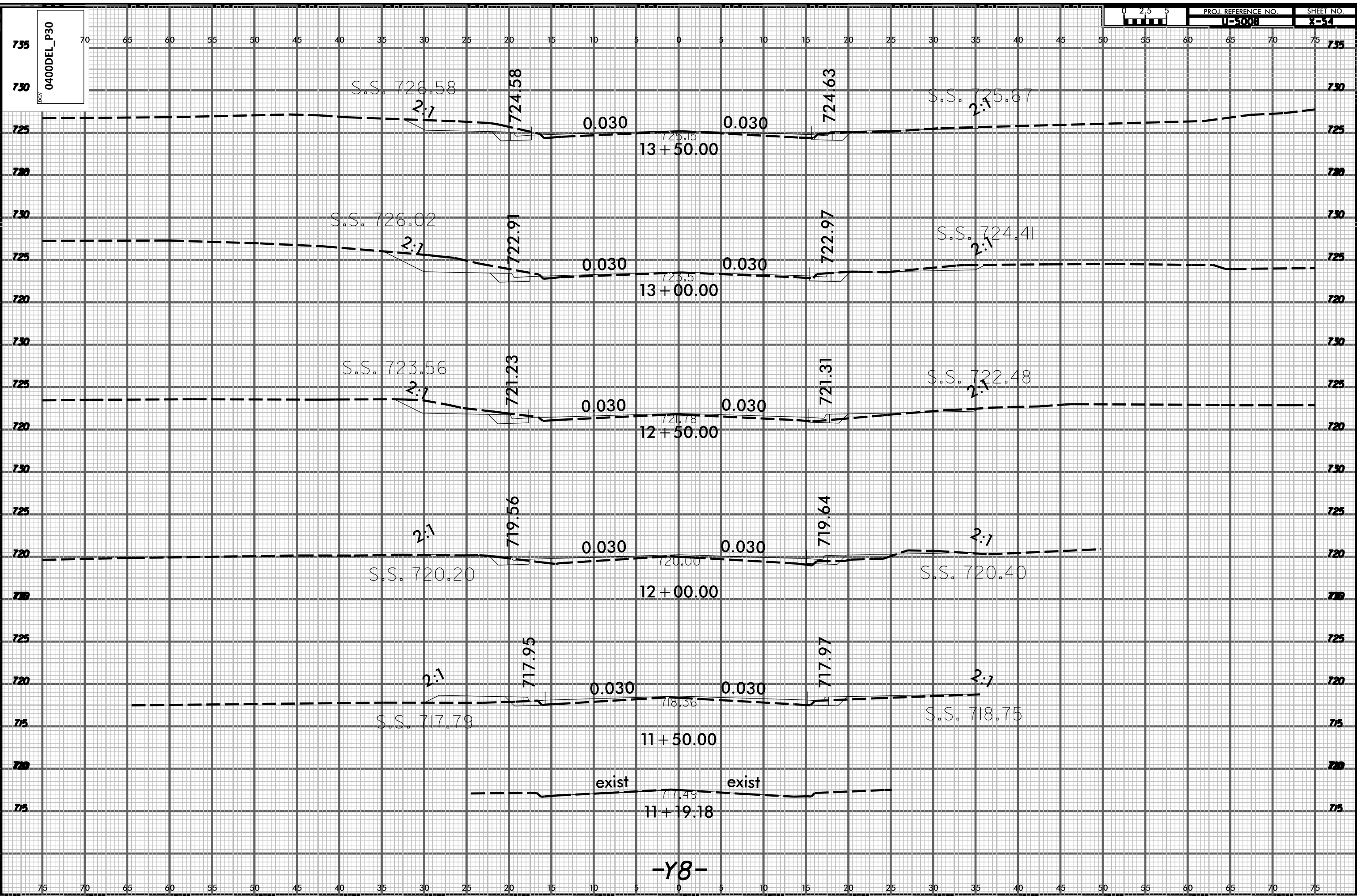
-Y7-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

SYSTEMS
LINES

8/23/99

0400DEL_P30

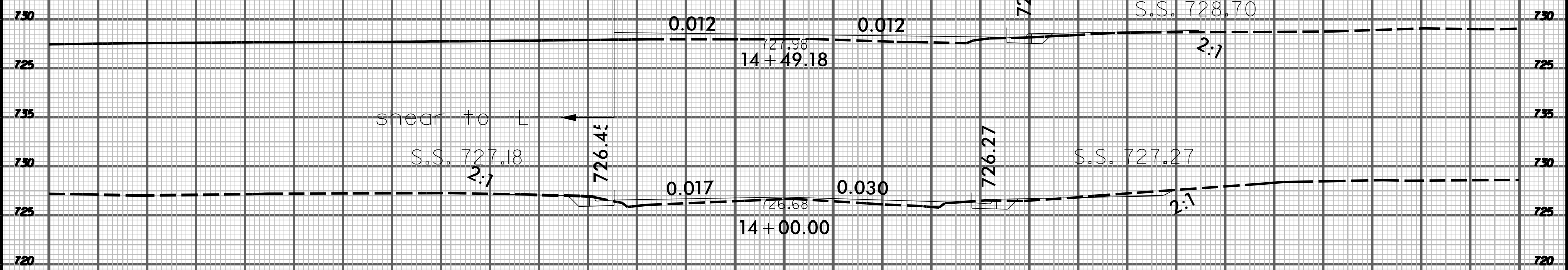


SYSTEMS
LINES

8/23/99

0400DEL_P30

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



-Y8-

\$\$\$\$SYTIME\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
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75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

8/23/99

0400DEL_P30



PROJ. REFERENCE NO.

U-5008

SHEET NO.

X-56

735

730

725

720

735

730

725

720

735

730

725

720

735

730

725

720

735

730

725

720

735

730

725

720

735

730

725

720

735

730

725

720

0.020

0.020

2:1

2:1

728

11+00.00

0.014

0.020

2:1

2:1

727

10+75.00

0.000

0.020

2:1

2:1

727

10+50.00

0.015

0.020

2:1

2:1

729

10+25.00

-DR2-

SYSTEMS
LTD.