0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-1

BRIDGE NO. 340 OVER NORFOLK/SOUTHERN RAILROAD ON SR 1101 (PINEY GROVE–WILBON ROAD) CROSS–SECTIONS

INDEX OF SHEETS

TITLE	SHEET NO.
CROSS-SECTION INDEX	X-1
CROSS-SECTION SUMMARY	X-1A
-L-	X-2 THRU X-17
-DWY1-	X-18 THRU X-20
-DWY2-	X-21 & X-22
-DWY3-	X-23 & X-24
-DWY4-	X-25
-DWY5-	X-26

THE LOUIS BERGER GROUP, Inc.
1001 Wade Avenue, Suite 400
Raleigh, North Carolina 27605

$DATE$
$FILEL$
$TIME$

PROJ. REFERENCE NO.	SHEET NO.
B-4657	X-1A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

CROSS-SECTION SUMMARY

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+50.00	0	0
11+00.00	38	4
11+50.00	37	5
12+00.00	16	25
12+50.00	0	87
13+00.00	0	220
13+50.00	0	437
14+00.00	0	753
14+50.00	0	923
15+00.00	0	767
15+50.00	0	836
16+00.00	0	1149
16+50.00	0	1288
18+50.00	190	4621
19+00.00	70	923
19+50.00	25	824
20+00.00	2	804
20+50.00	0	727
21+00.00	0	480
21+50.00	0	279
22+00.00	0	198
22+50.00	0	118
23+00.00	3	49
23+50.00	7	13

Station Dwy1	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+25.00	0	0
10+50.00	0	746
10+75.00	0	644
11+00.00	0	443
11+25.00	0	232
11+50.00	0	66

Station Dwy2	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+25.00	0	0
10+50.00	0	328
10+75.00	0	219
11+00.00	0	102
11+25.00	2	25

Station Dwy3	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+25.00	0	0
10+50.00	0	98
10+75.00	1	38

Station Dwy4	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+25.00	0	0

Station Dwy5	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+25.00	0	0
10+50.00	3	13
10+75.00	8	0

NOTE: Approximate quantities only. Unclassified excavation, fine grading, clearing and grubbing, breaking of existing pavement and removal of existing pavement will be paid for at the contract lump sum price for "Grading".

8/23/99

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-2

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

460
455
450
445
440

EXIST R/W

448.15
449.17

449.46

6%
0.03 FT./FT.
0.020 FT./FT.
2%
2%
2%

-L-
10+50.00
EX. EL. = 449.60

EXIST R/W

448.52

450
445

0.005 FT./FT.
0.020 FT./FT.
2%

-L-
10+25.00
EX. EL. = 448.70

450
445

2%

-L-
10+16.00
EX. EL. = 448.46

BEGIN PROJECT
-L- STA. 10+16.00

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

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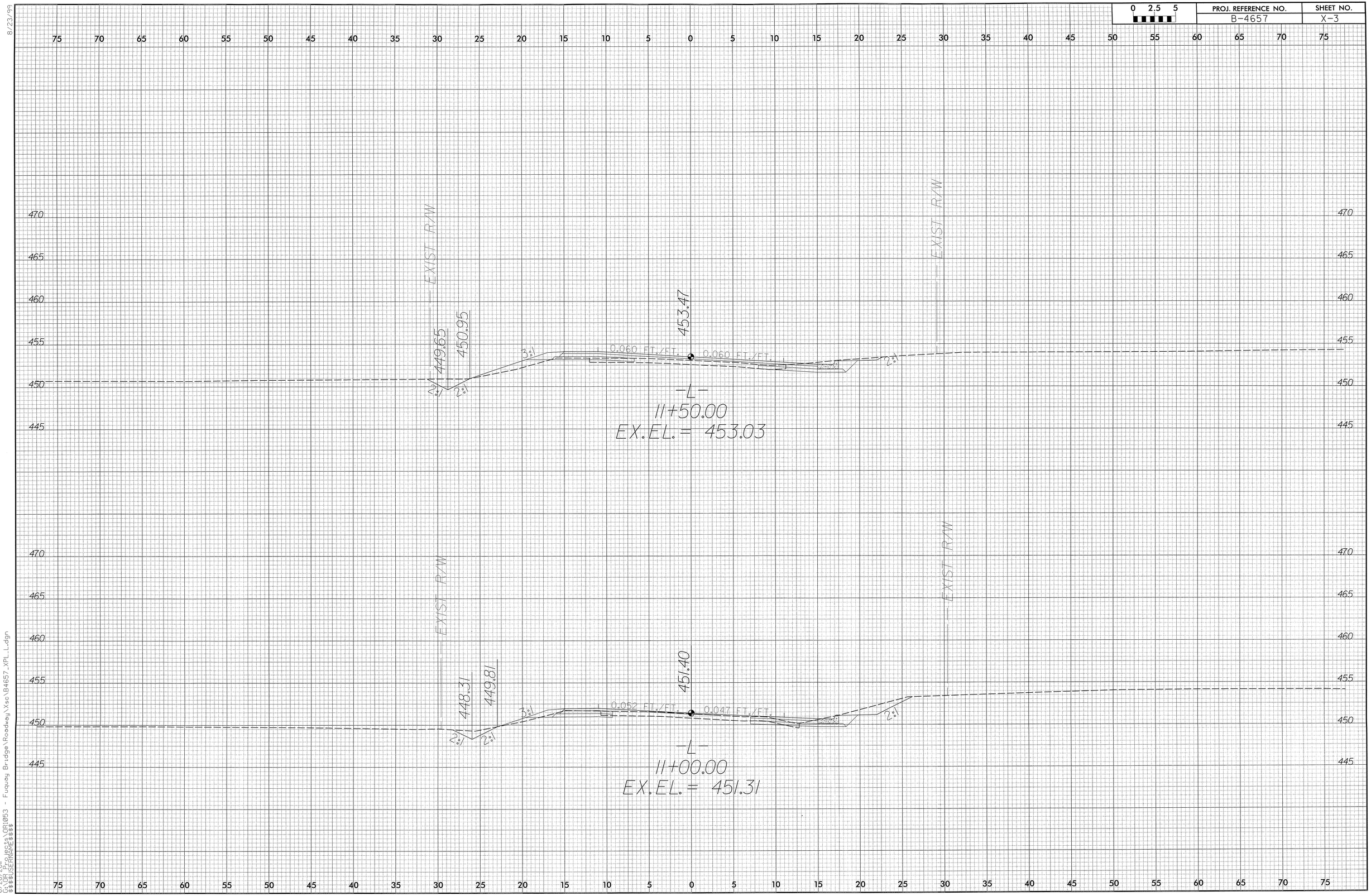
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-3

8/23/99



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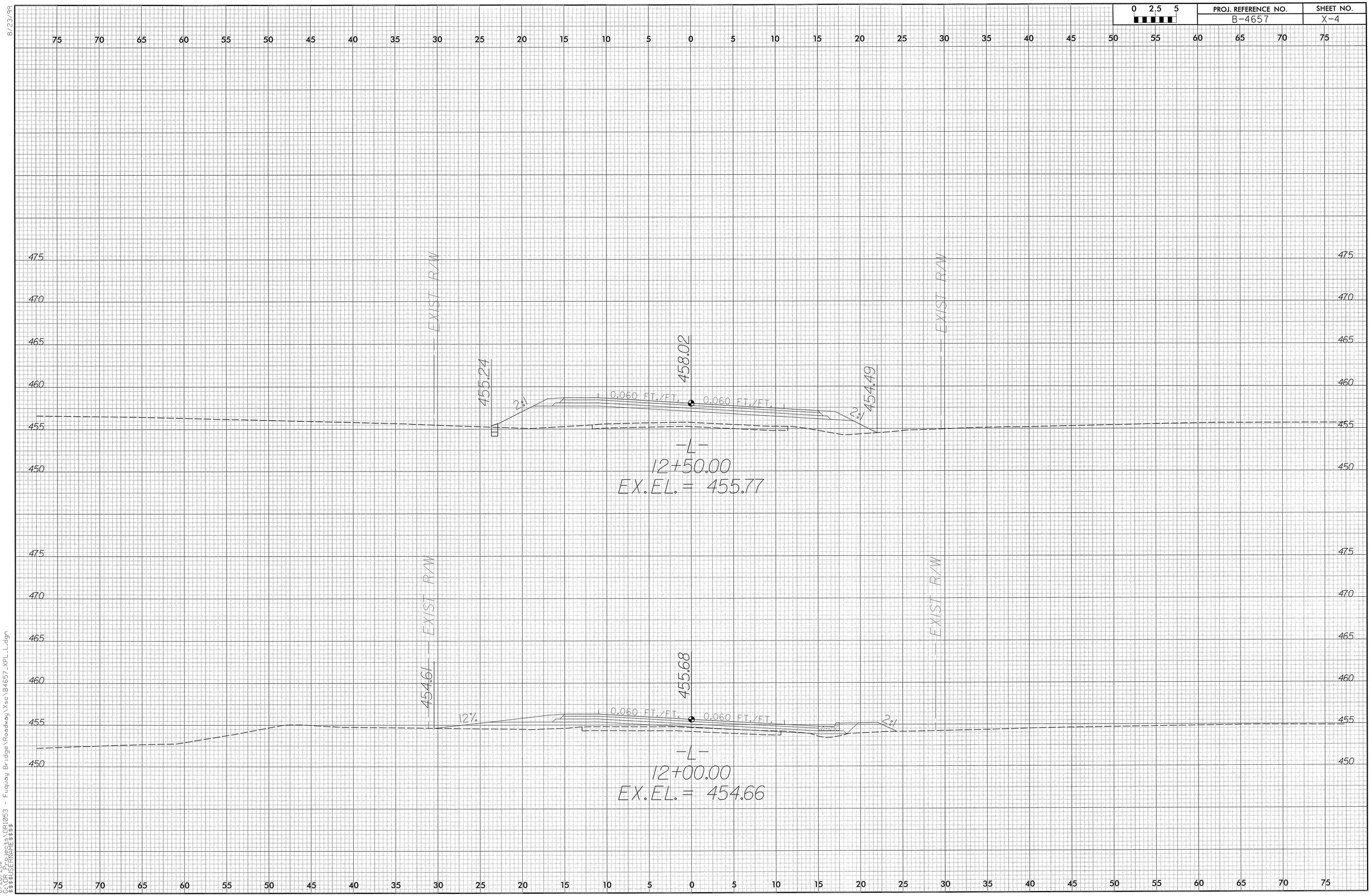

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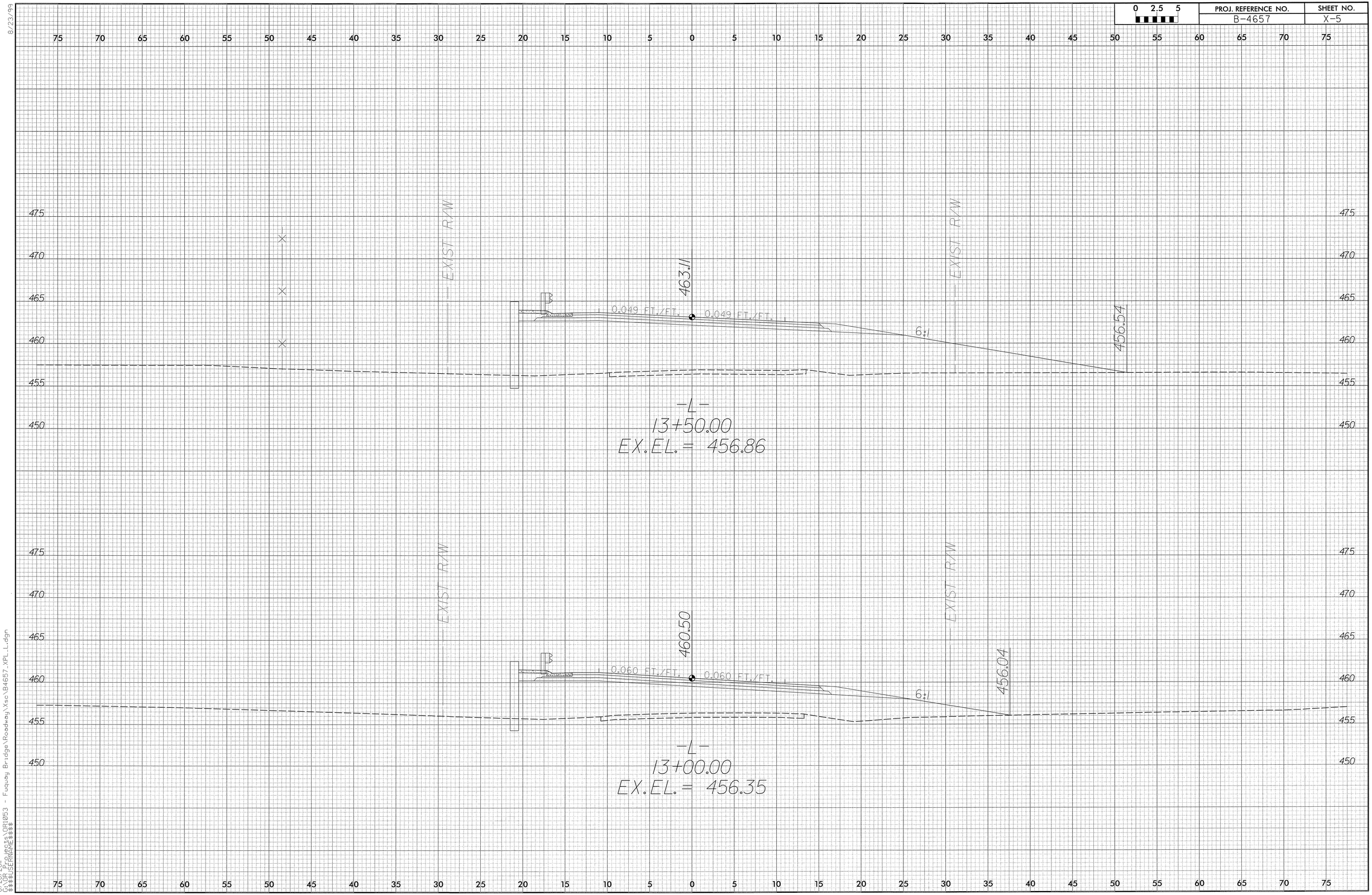
PROJ. REFERENCE NO.	SHEET NO.
B-4657	X-5



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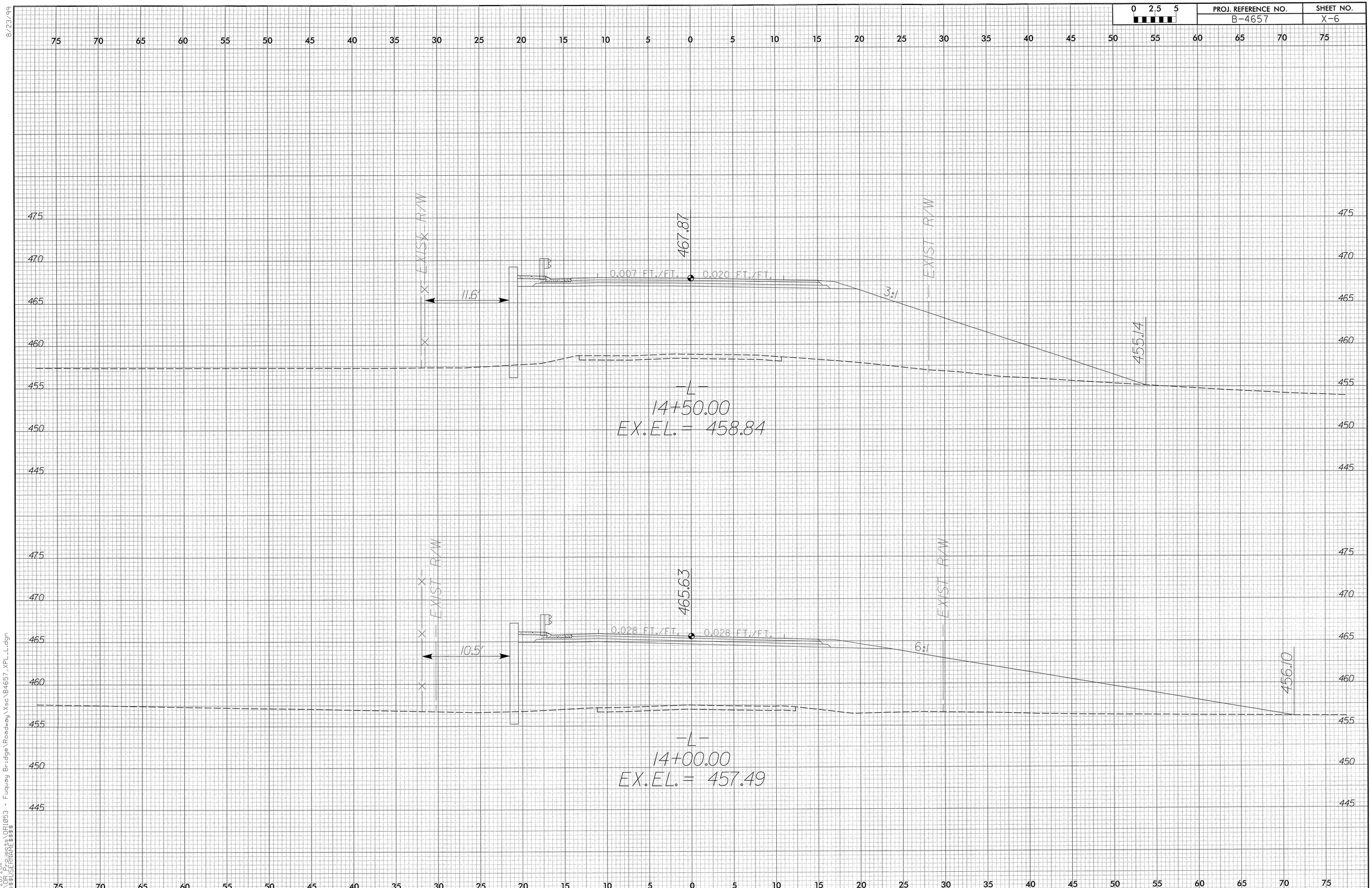
PROJ. REFERENCE NO.	SHEET NO.
B-4657	X-6



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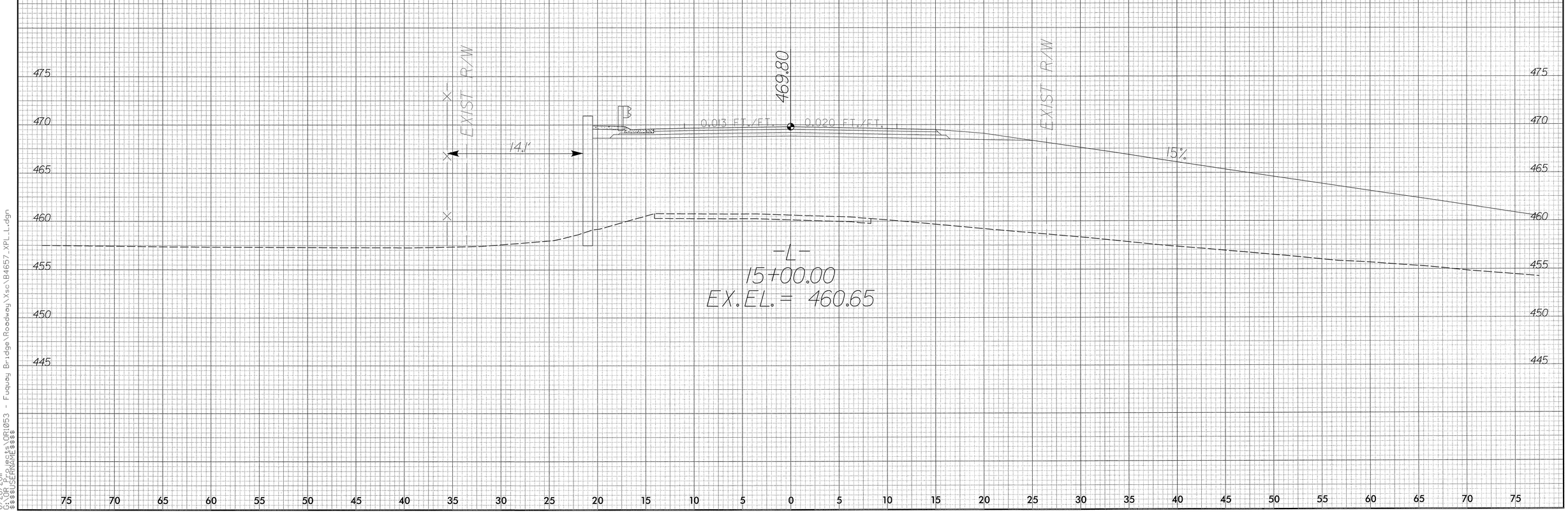
8/23/99

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-7



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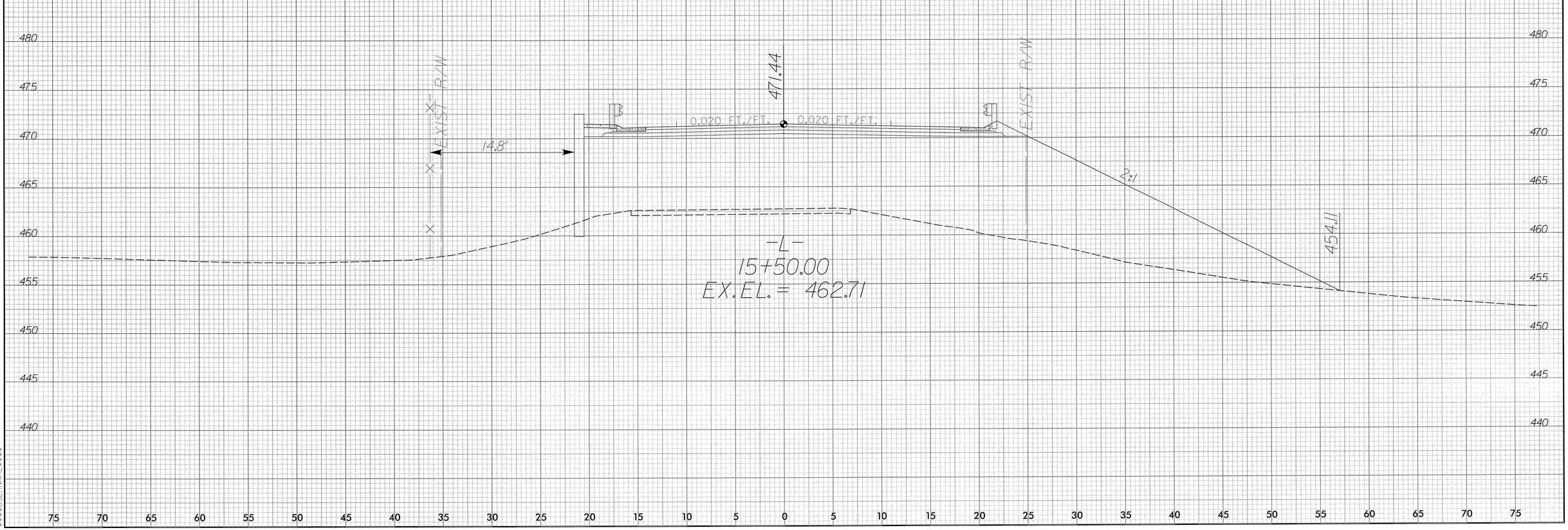
8/23/99

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-8

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

480 475 470 465 460 455 450 445 440



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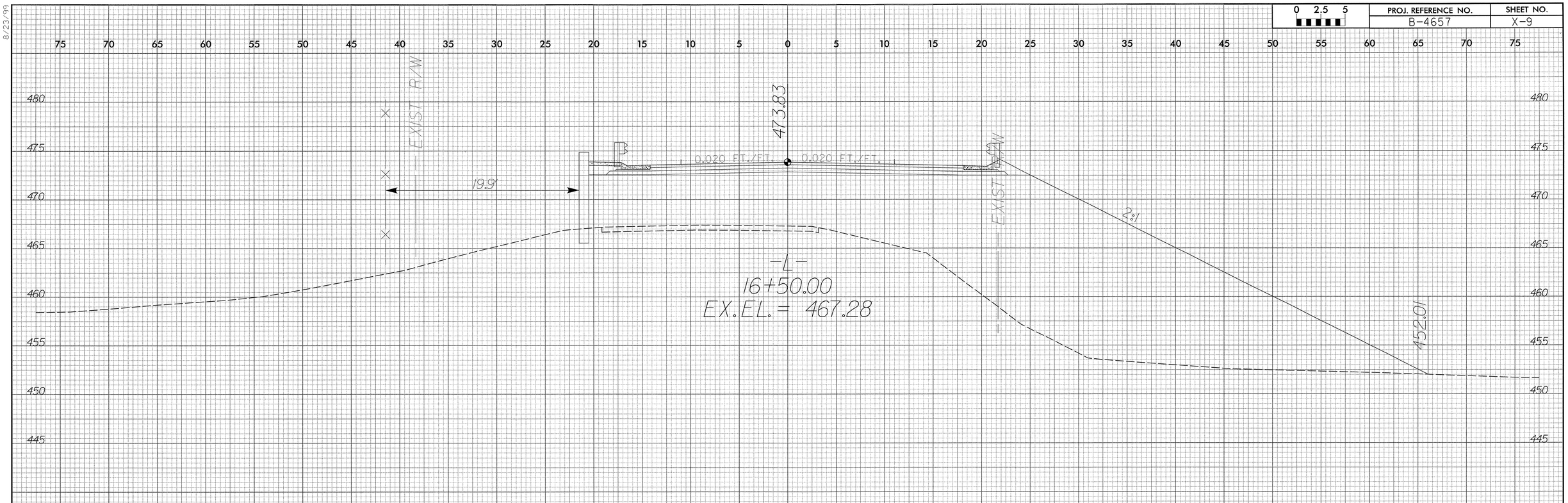
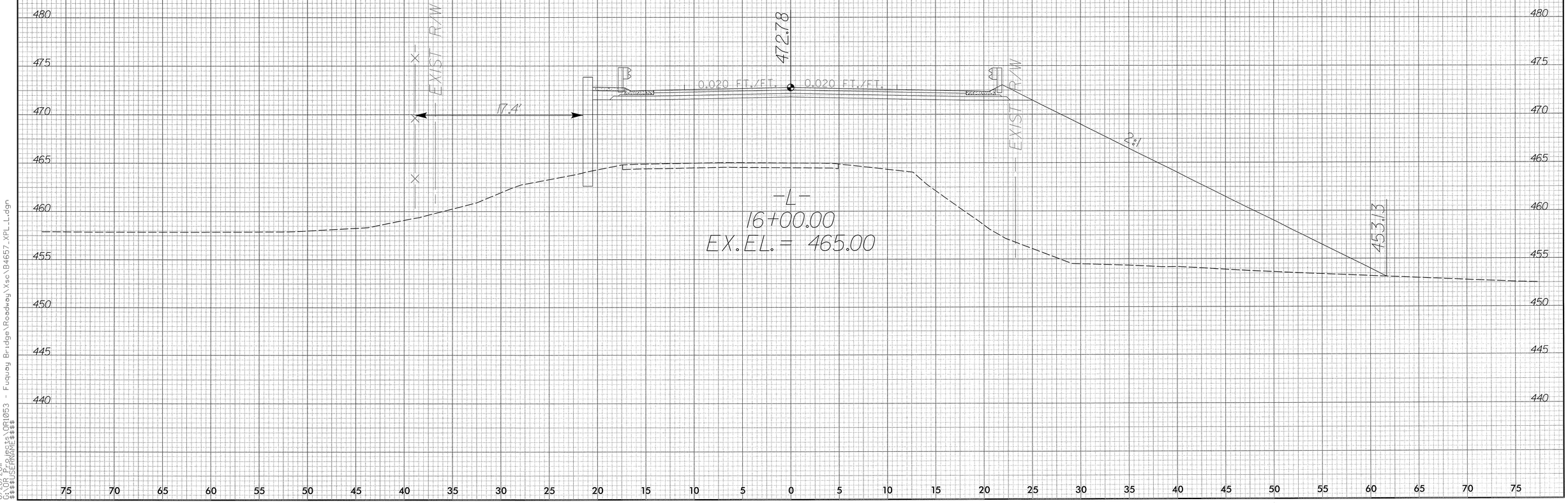
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-9





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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-10

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

485 480 475 470 465 460 455 450 445

EXIST R/W

474.58

0.020 FT./FT. 0.020 FT./FT.

BEGIN BRIDGE STA. 16+97.80

-L-
17+00.00
EX. EL. = 468.53

EXIST R/W

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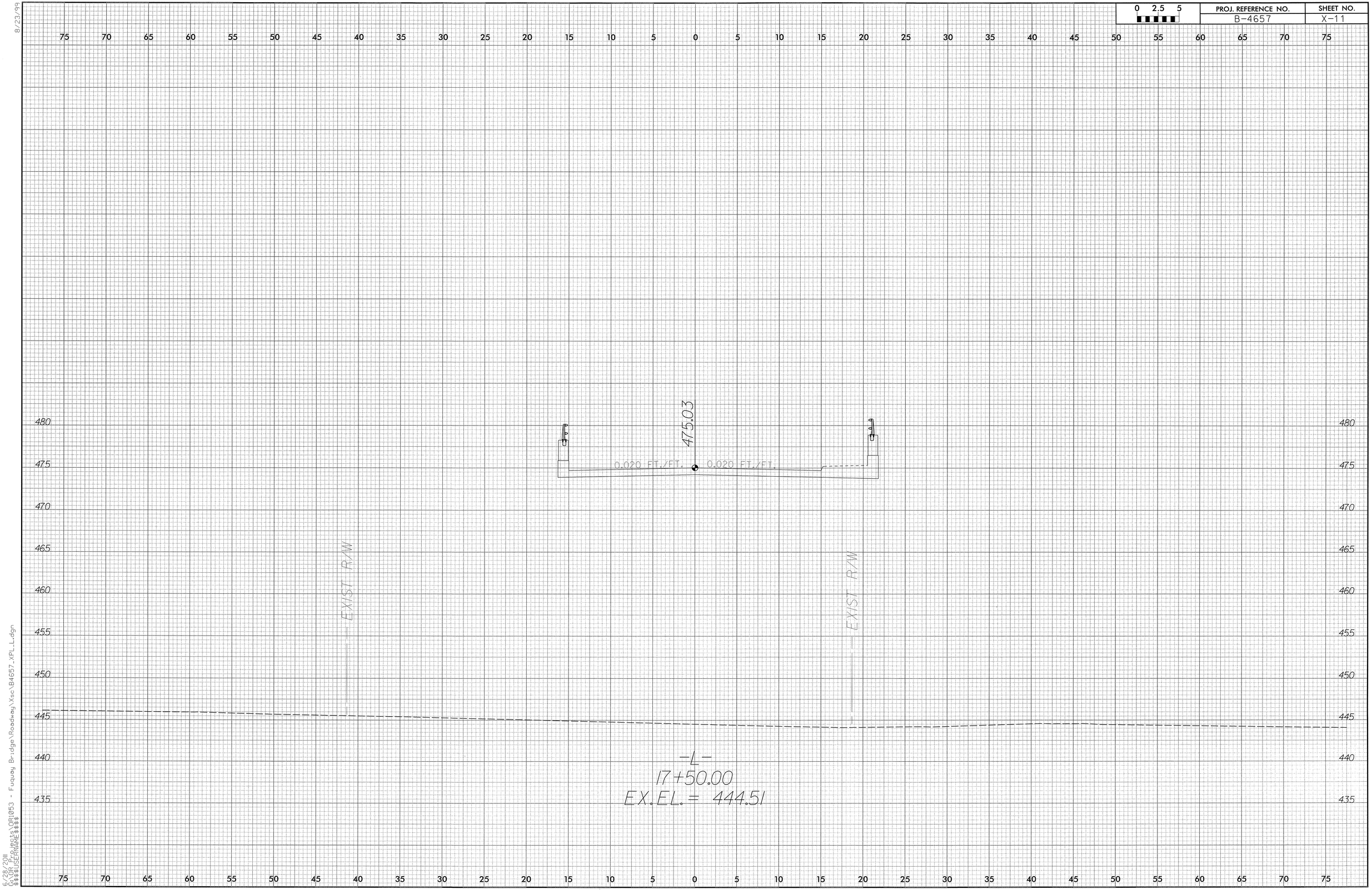
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-11



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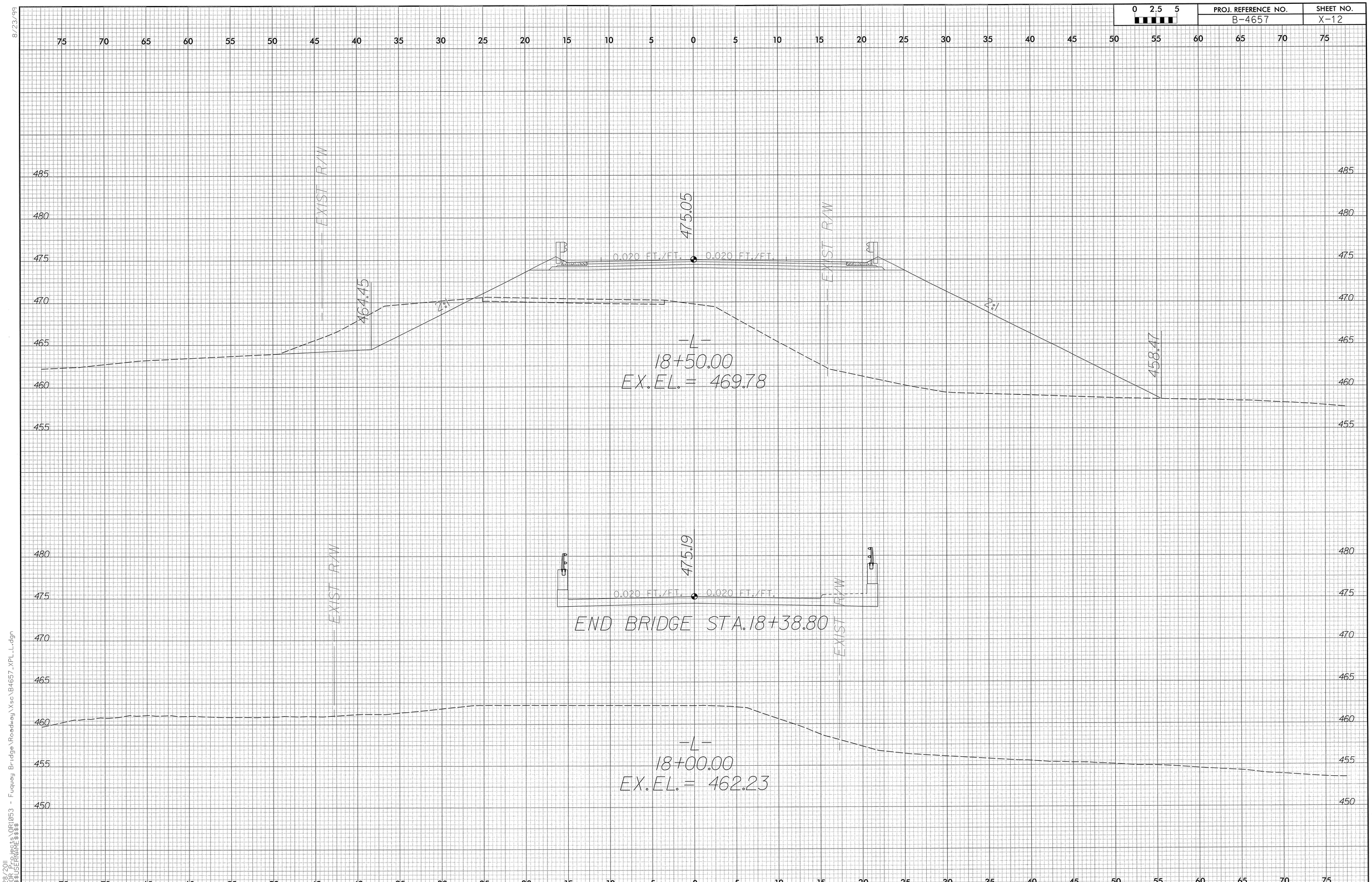

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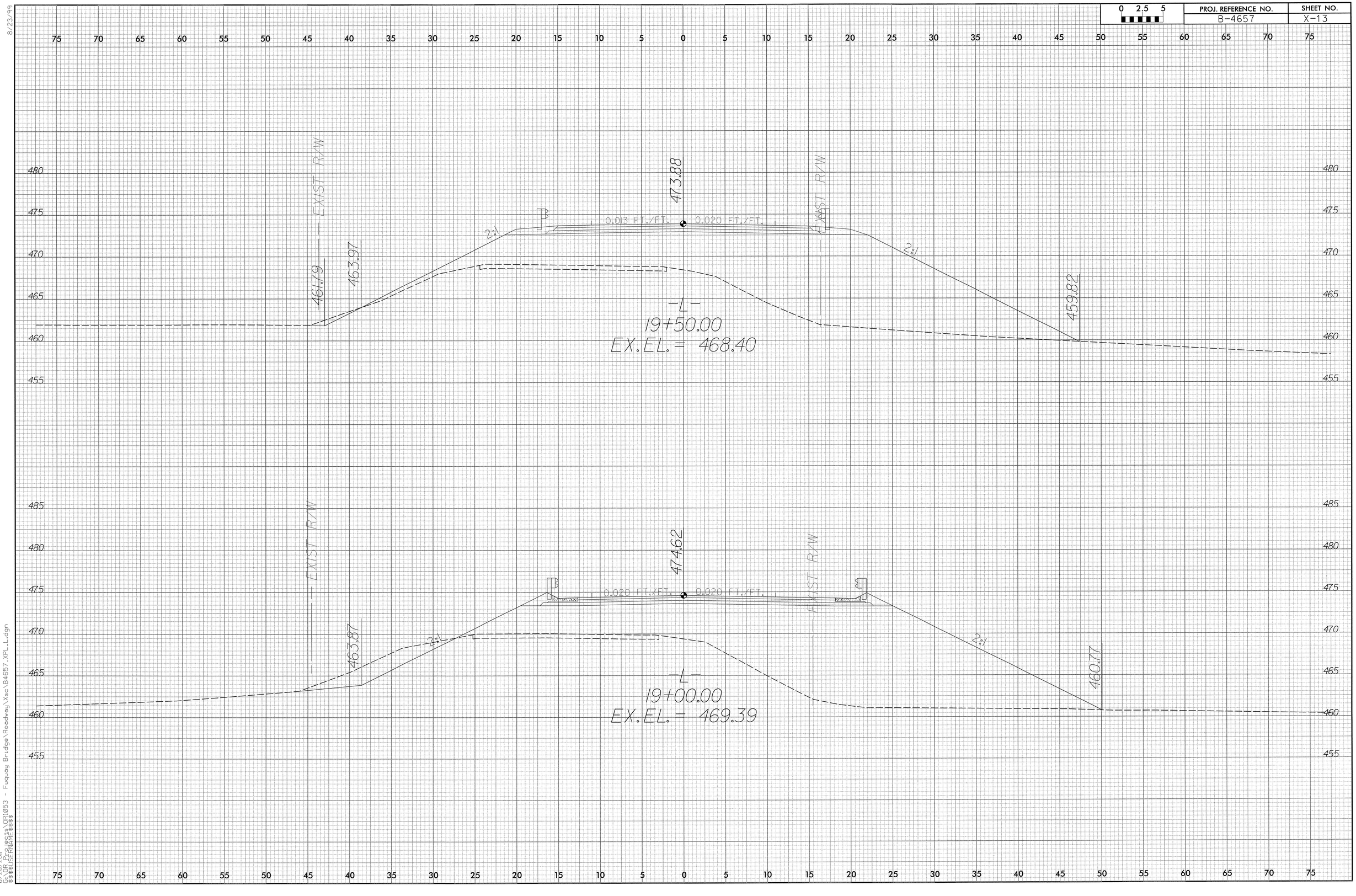
PROJ. REFERENCE NO.	SHEET NO.
B-4657	X-13



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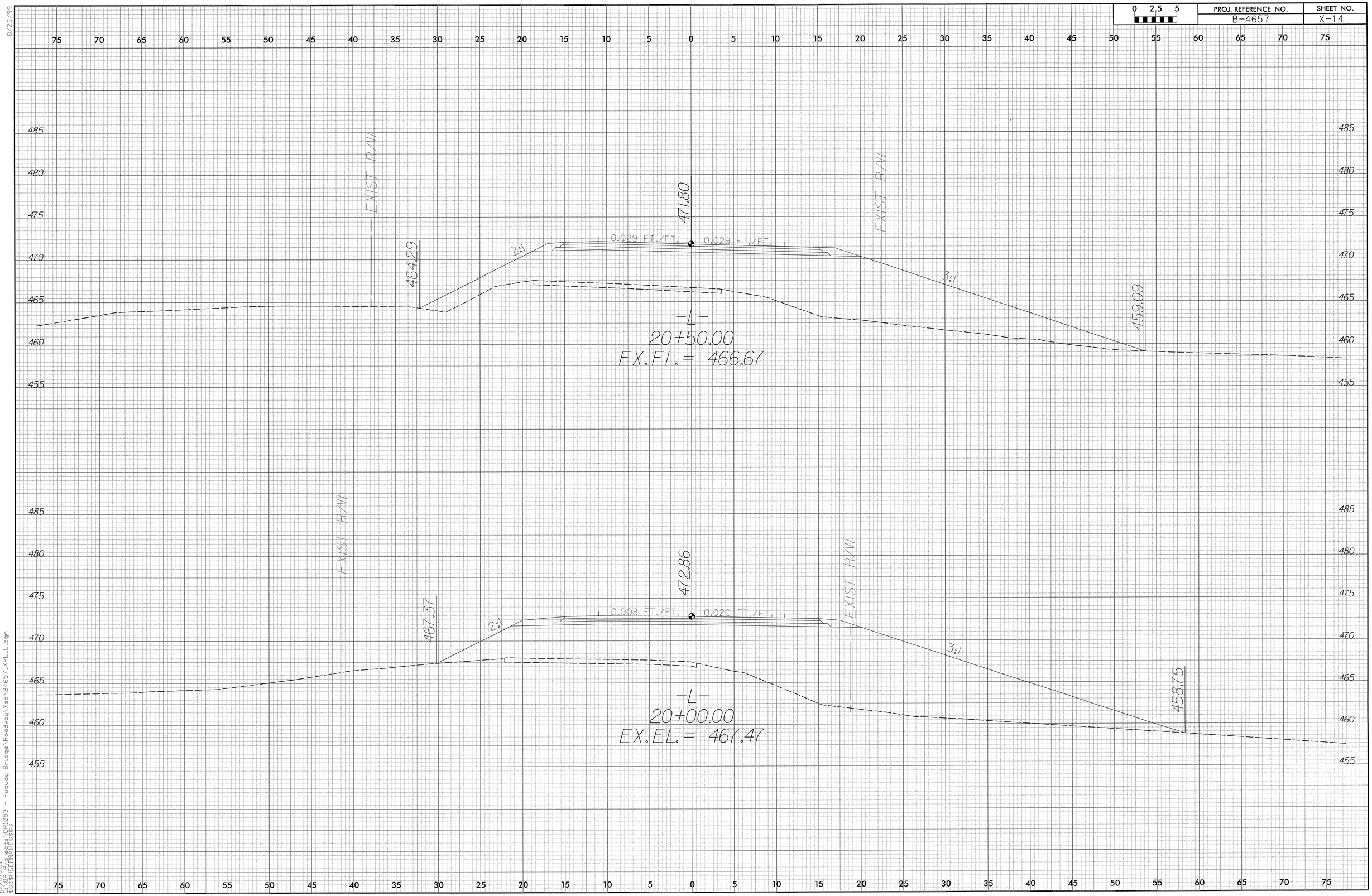
PROJ. REFERENCE NO.	SHEET NO.
B-4657	X-14



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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-15

8/23/99

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

485 480 475 470 465 460

EXIST R/W

466.50

2%

0.060 FT./FT.

470.41

0.060 FT./FT.

2%

464.63

EXIST R/W

-L-

21+50.00

EX. EL. = 466.82

485 480 475 470 465 460 455

EXIST R/W

465.42

2%

0.049 FT./FT.

470.99

0.049 FT./FT.

2%

464.60

EXIST R/W

-L-

21+00.00

EX. EL. = 466.64

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

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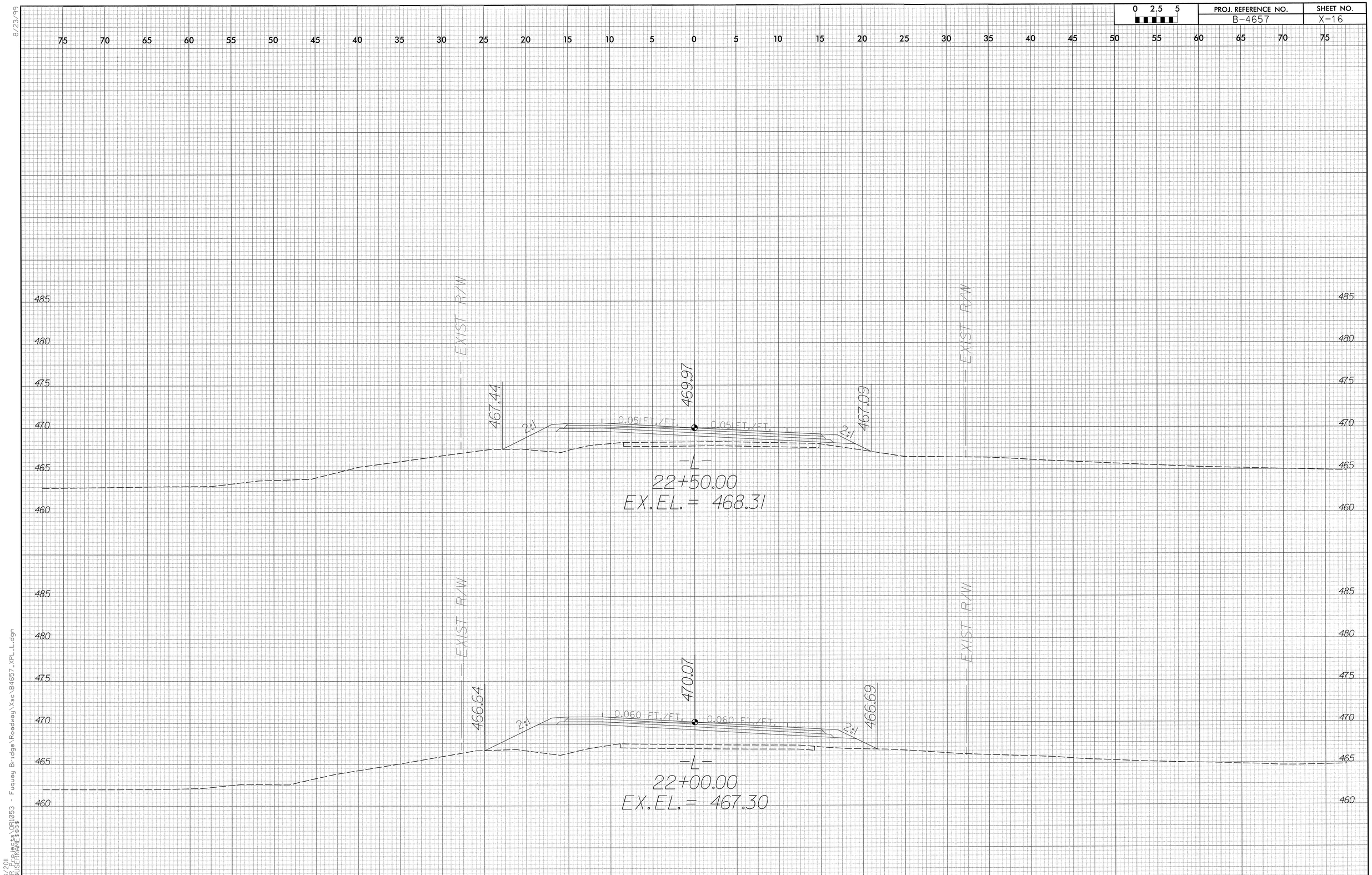

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8/23/99

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-17

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

470 465

-L-
23+75.00

490 485 480 475 470 465

EXIST R/W

468.66 470.49 469.06

3% 0.00 FT./FT. 0.020 FT./FT. 3%

EXIST R/W

-L-
23+50.00
EX.EL.= 470.38

485 480 475 470 465 460

EXIST R/W

468.49 470.11 467.46

2% 0.031 FT./FT. 0.031 FT./FT. 2%

EXIST R/W

-L-
23+00.00
EX.EL.= 469.32

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

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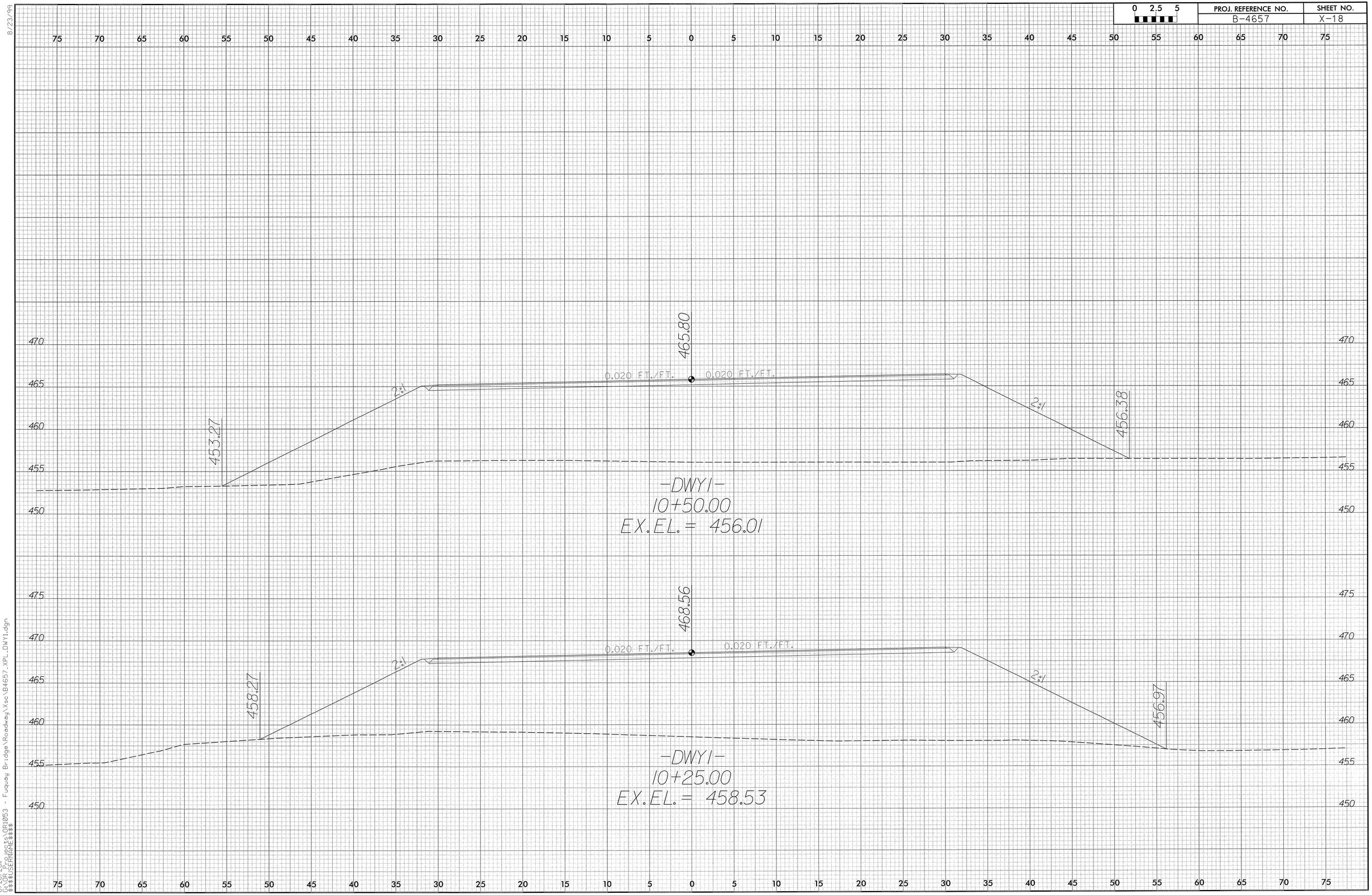
PROJ. REFERENCE NO.	SHEET NO.
B-4657	X-18



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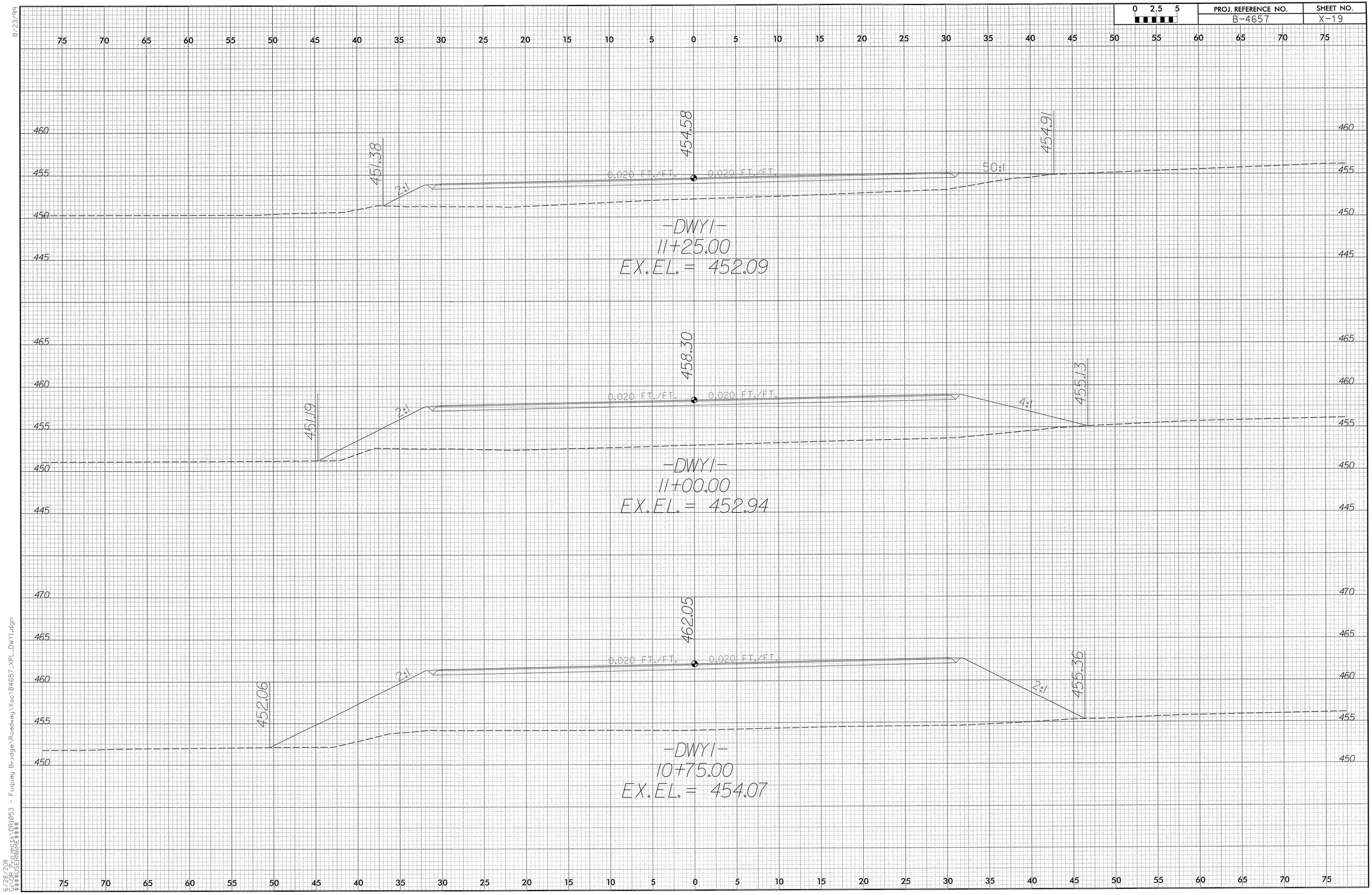

0 2.5 5
PROJ. REFERENCE NO.
B-4657
SHEET NO.
X-19
8/23/99
451.38
454.58
454.91
2:1
0.020 FT./FT.
0.020 FT./FT.
50:1
-DWY1-
11+25.00
EX.EL.= 452.09
451.19
458.30
455.13
2:1
0.020 FT./FT.
0.020 FT./FT.
4:1
-DWY1-
11+00.00
EX.EL.= 452.94
452.06
462.05
455.36
2:1
0.020 FT./FT.
0.020 FT./FT.
2:1
-DWY1-
10+75.00
EX.EL.= 454.07
6/28/2011
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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-20

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

455
450
445

450.50

-DWY1-
11+75.00
EX. EL. = 451.39

450.79

451.83

6:1

0.020 FT./FT. 0.020 FT./FT.

-DWY1-
11+50.00
EX. EL. = 451.28

455
450
445

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

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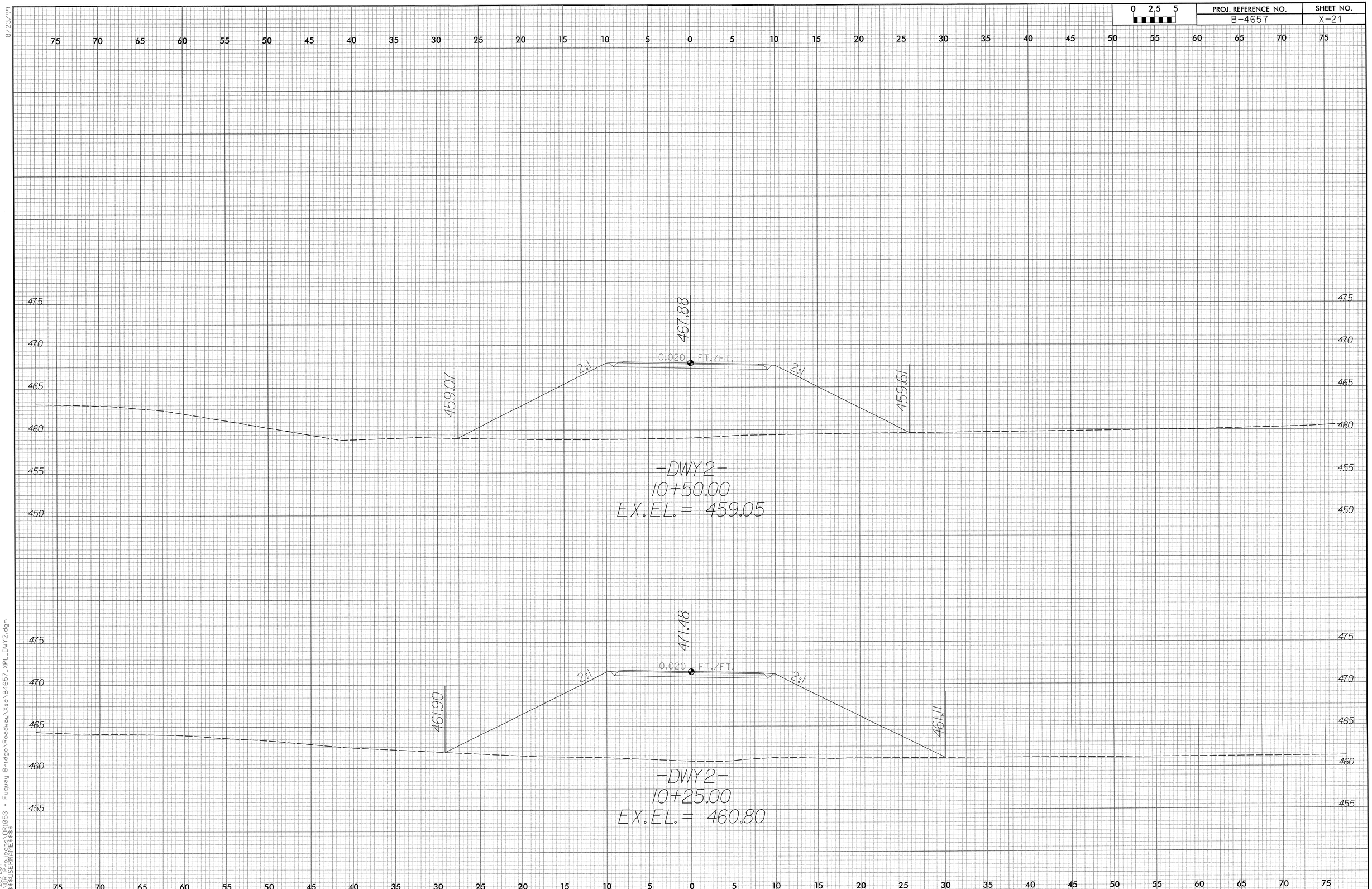
PROJ. REFERENCE NO.	SHEET NO.
B-4657	X-21



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$$$$USERNAME$$$$

8/23/99

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-22

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

460 455 450 445

454.87 455.31 455.16

2% 0.020 FT./FT. 2%

-DWY 2-
11+25.00
EX. EL. = 454.96

465 460 455 450

456.29 458.88 456.34

2% 0.020 FT./FT. 2%

-DWY 2-
11+00.00
EX. EL. = 456.19

470 465 460 455 450

463.38

457.65 457.83

2% 0.020 FT./FT. 2%

-DWY 2-
10+75.00
EX. EL. = 457.52

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

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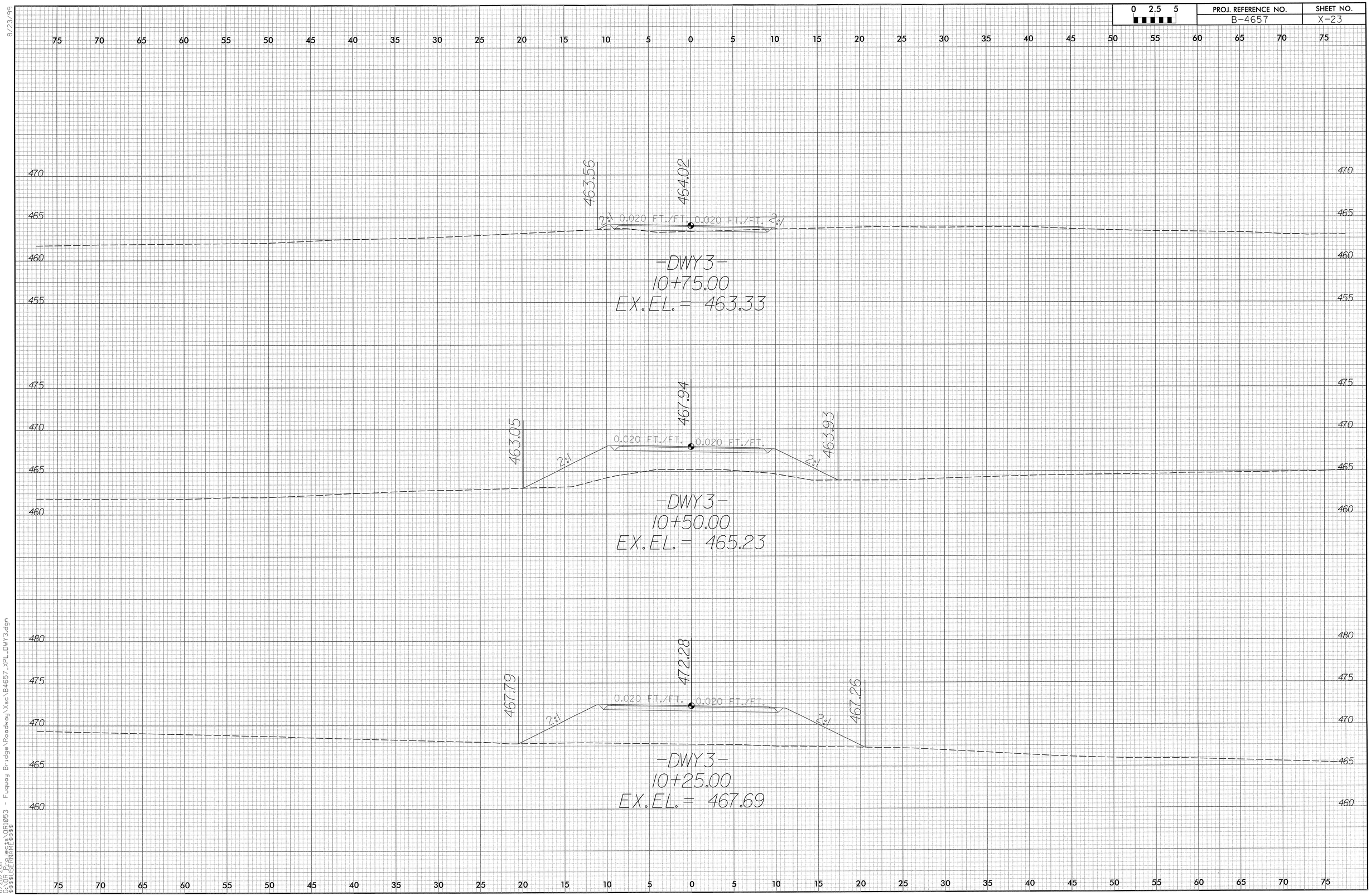
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-23



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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-24

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

EXIST. FT/FT

460

455

-DWY 3-
11+00.00
EX. EL. = 462.76

460

455

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

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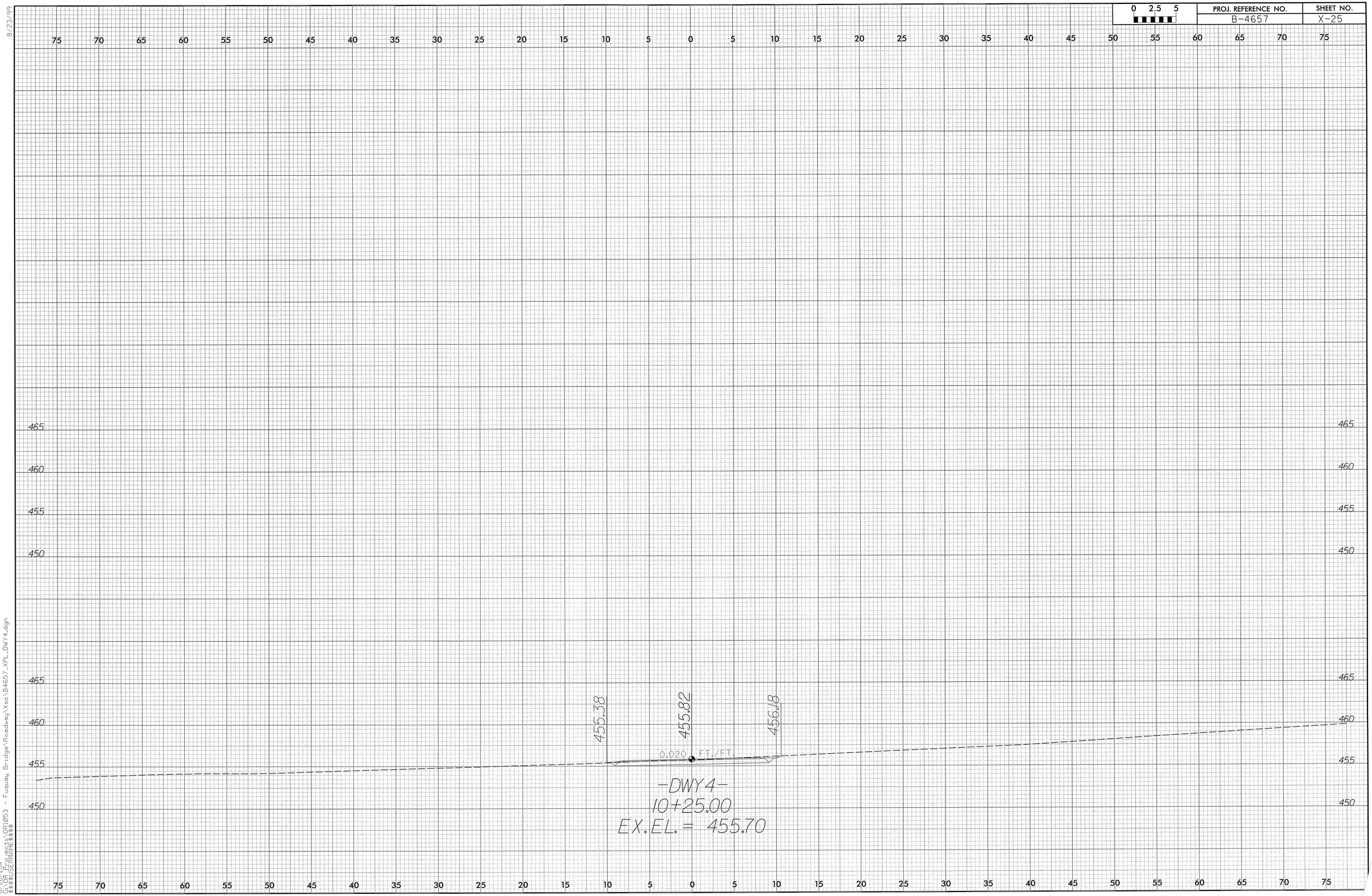

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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	B-4657	X-26

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

470
465
460
455

464.81 464.71 464.45

0.020 FT./FT. 0.020 FT./FT.

-DWY5-
10+75.00
EX.EL.= 464.71

470
465
460
455

465.36 465.60 465.16

2% 0.020 FT./FT. 0.020 FT./FT. 2%

-DWY5-
10+50.00
EX.EL.= 465.28

475
470
465
460

466.53 468.05 465.71

2% 0.020 FT./FT. 0.020 FT./FT. 2%

-DWY5-
10+25.00
EX.EL.= 457.02

-DWY5-

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

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