0686DEL_P21p2

PROJ. REFERENCE NO.	SHEET NO.
P-4405 I	X-1A

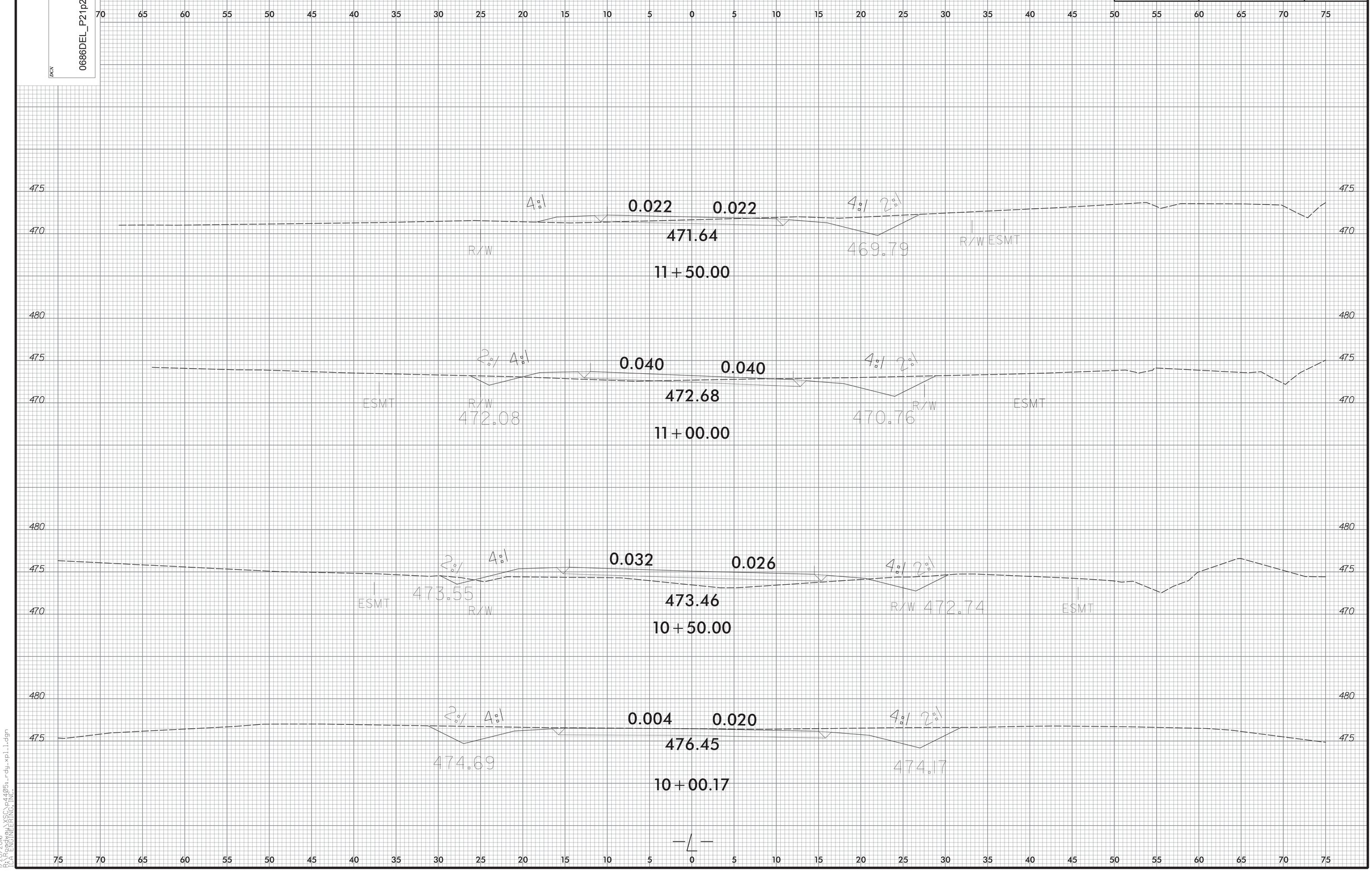
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

Approximate quantities only. Clearing and Grubbing, Unclassified Excavation, Borrow Excavation, Fine Grading, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)	Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+08.20	0		0	36+50.00	1		106
10+50.00	65		26	37+00.00	42		35
11+00.00	36		31	37+50.00	83		17
11+50.00	51		9	38+00.00	86		31
12+00.00	68		5	38+50.00	92		71
12+50.00	121		1	39+00.00	124		108
13+00.00	157		0	39+50.00	143		111
13+50.00	149		0	40+00.00	88		84
14+00.00	128		0	40+50.00	148		40
14+50.00	104		0	41+00.00	314		9
15+00.00	68		1				
15+50.00	59		4				
16+00.00	70		5				
16+50.00	81		4				
17+00.00	131		2				
17+50.00	233		0				
18+00.00	221		0				
18+50.00	104		1				
19+00.00	49		5				
19+50.00	32		11				
20+00.00	37		8				
20+50.00	59		2				
21+00.00	76		2				
21+50.00	58		12				
22+00.00	38		30				
22+50.00	26		49				
23+00.00	13		46				
23+50.00	11		36				
24+00.00	6		33				
24+50.00	10		27				
25+00.00	27		27				
25+50.00	30	108	32				
26+00.00	46	111	29				
26+50.00	71	104	40				
27+00.00	64	94	55				
27+50.00	71	94	47				
28+00.00	73	97	36				
28+50.00	44	100	30				
29+00.00	71	108	22				
29+50.00	167	115	19				
30+00.00	198	115	30				
30+50.00	94	98	59				
31+00.00	11	70	83				
31+50.00	41	6	44				
32+00.00	135		5				
32+50.00	101		50				
33+00.00	7		152				
33+50.00	3		215				
34+00.00	0		200				
34+50.00	0		174				
35+00.00	0		153				
35+50.00	0		144				
36+00.00	0		153				

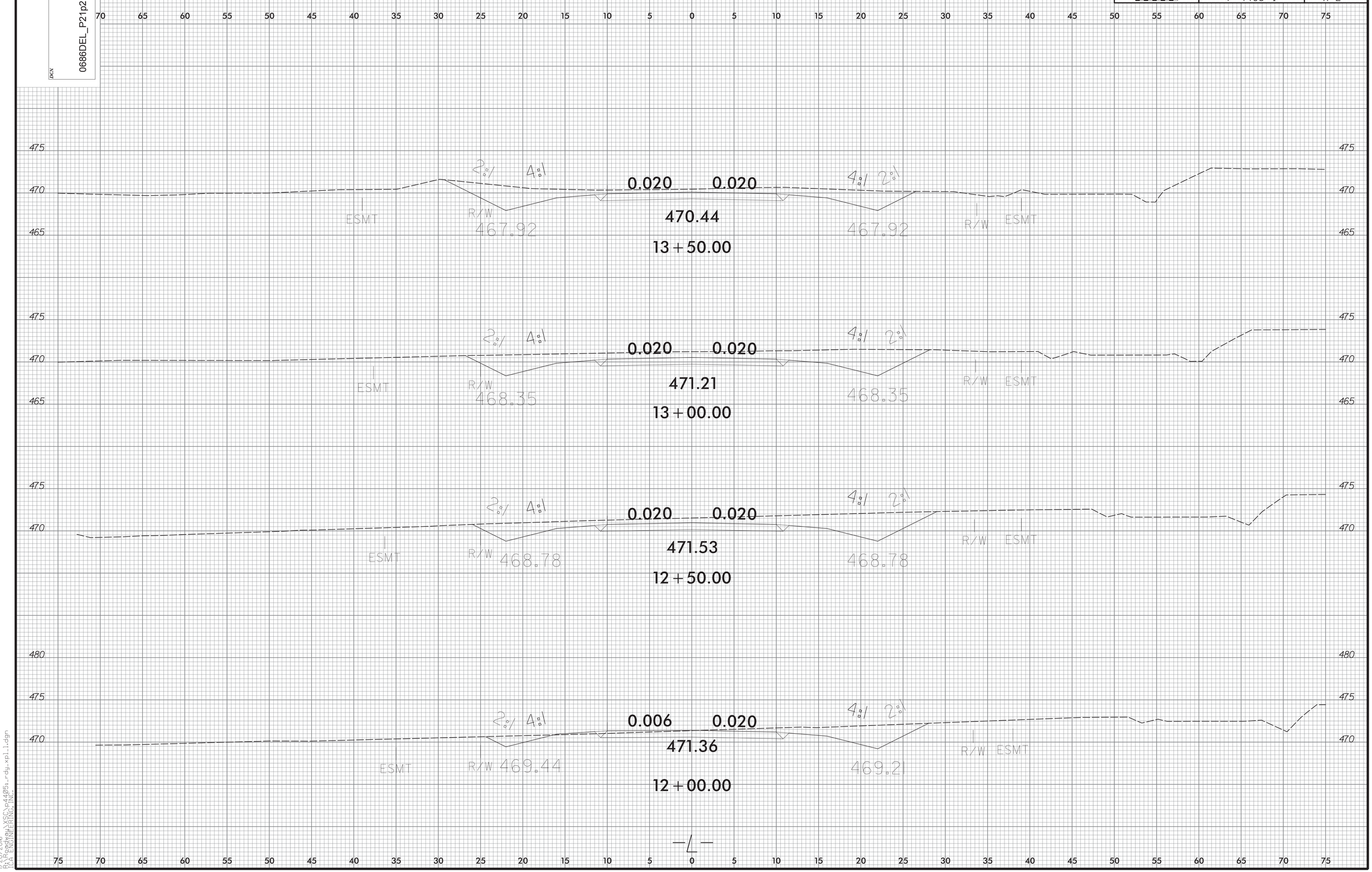


0 2.5 5
PROJ. REFERENCE NO.
P-4405 I
SHEET NO.
X-1
0686DEL_P21p2
0.022
0.022
471.64
11+50.00
R/W
469.79
R/W ESMT
0.040
0.040
472.68
11+00.00
ESMT
R/W
472.08
470.76
R/W
ESMT
0.032
0.026
473.46
10+50.00
ESMT
473.55
R/W
R/W 472.74
ESMT
0.004
0.020
476.45
10+00.17
474.69
474.17

PROJ. REFERENCE NO.	SHEET NO.
P-4405 I	X-2

0 2.5 5

0686DEL_P21p2



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TCA ENGINEERING INC.

PROJ. REFERENCE NO.	SHEET NO.
P-4405 I	X-3

0 2.5 5

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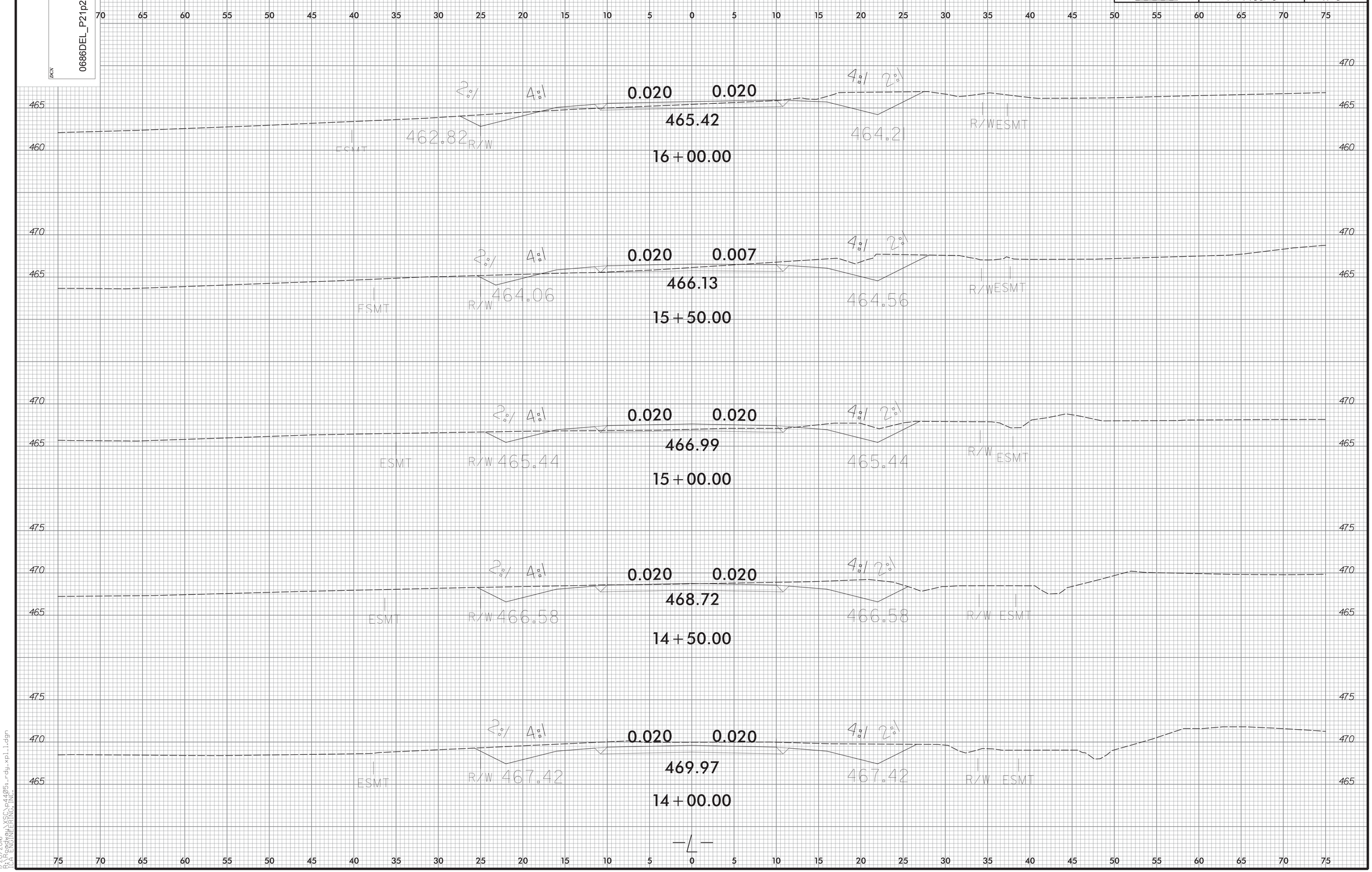

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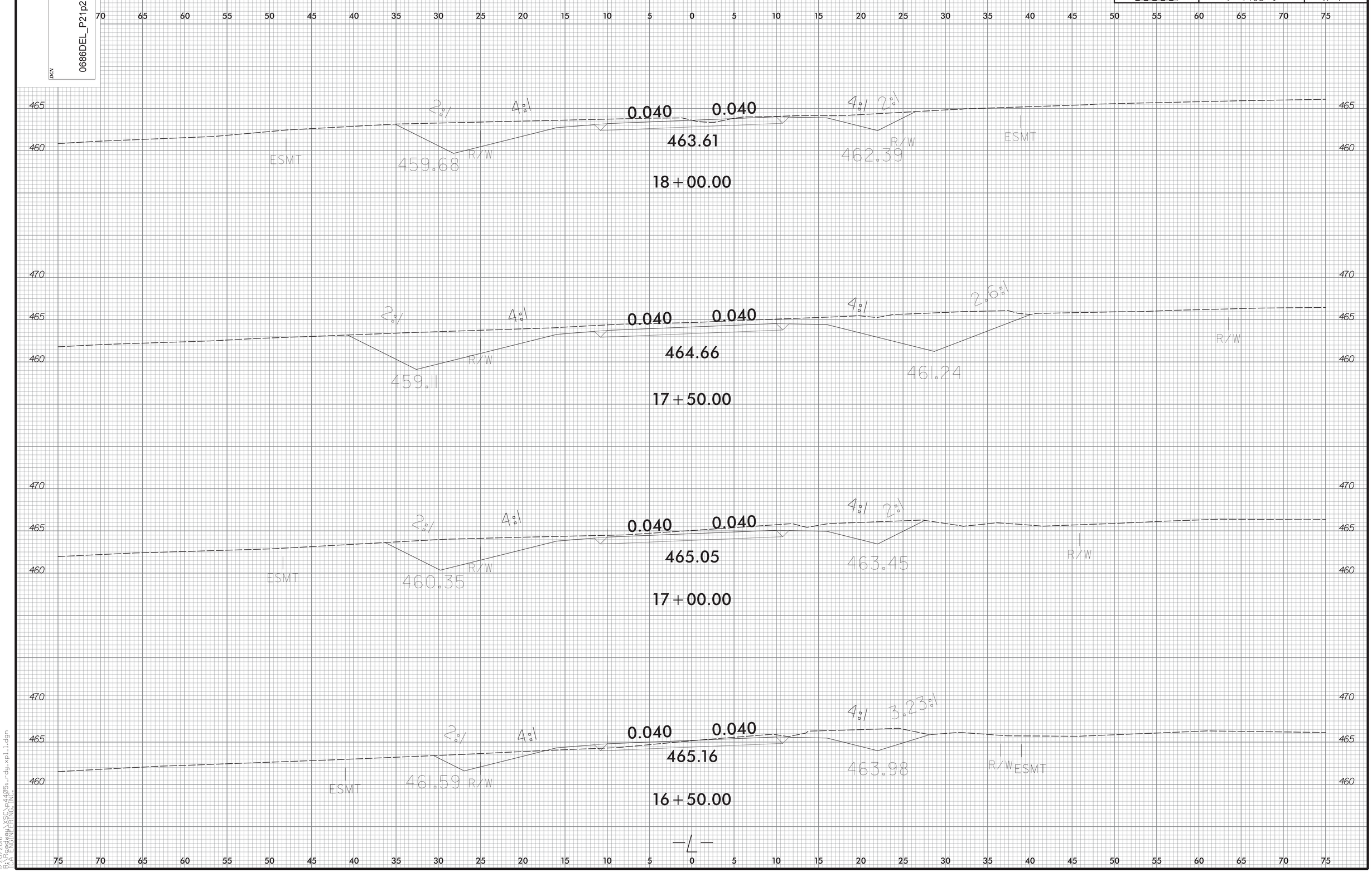
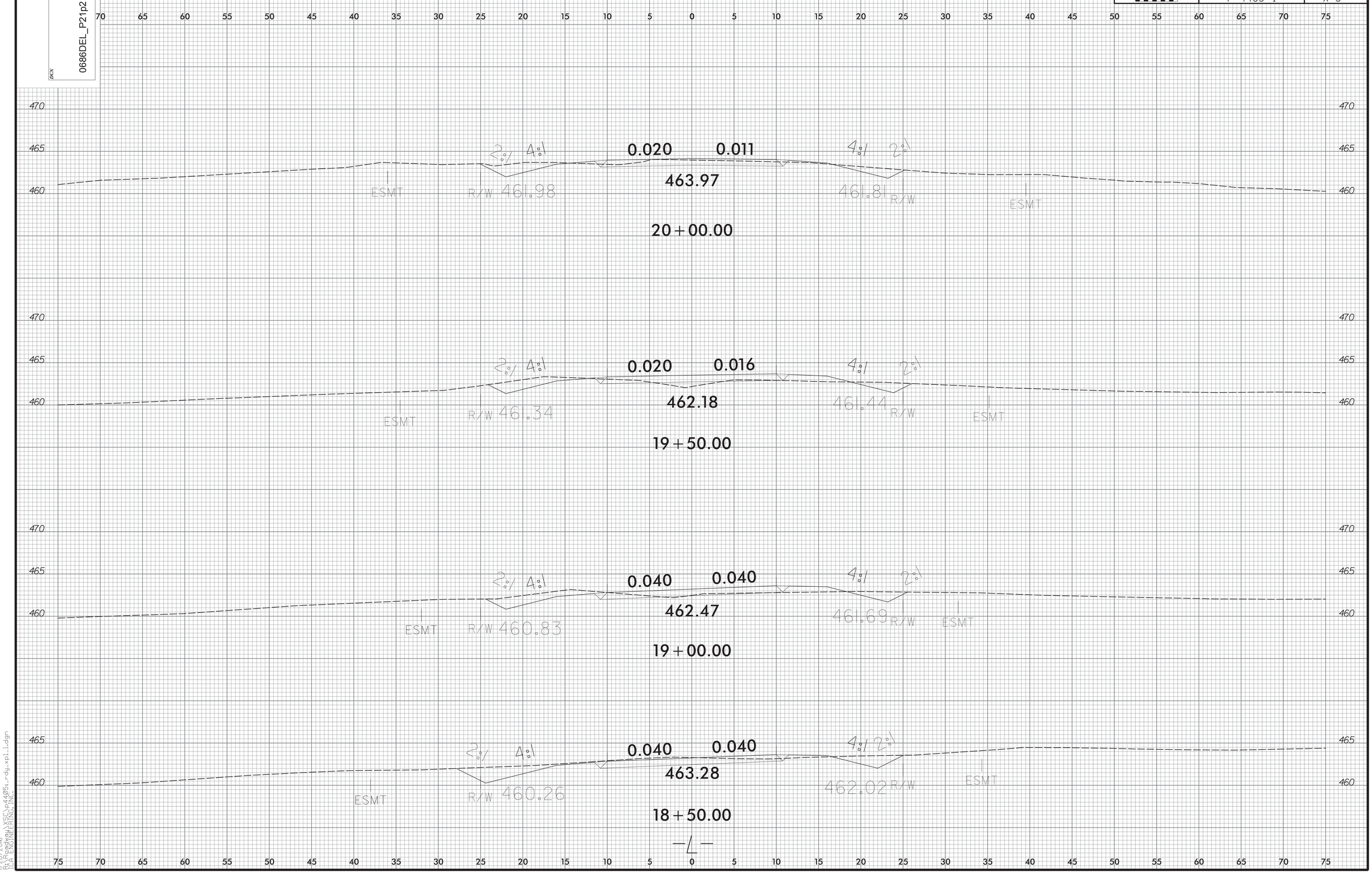
TCA ENGINEERING, INC.



0686DEL_P21p2
PROJ. REFERENCE NO.
P-4405 I
SHEET NO.
X-4
0 2.5 5
0.040
0.040
463.61
459.68
462.39
ESMT
R/W
18+00.00
464.66
459.11
461.24
2.6:1
17+50.00
465.05
460.35
463.45
17+00.00
465.16
461.59
463.98
3.23:1
16+50.00

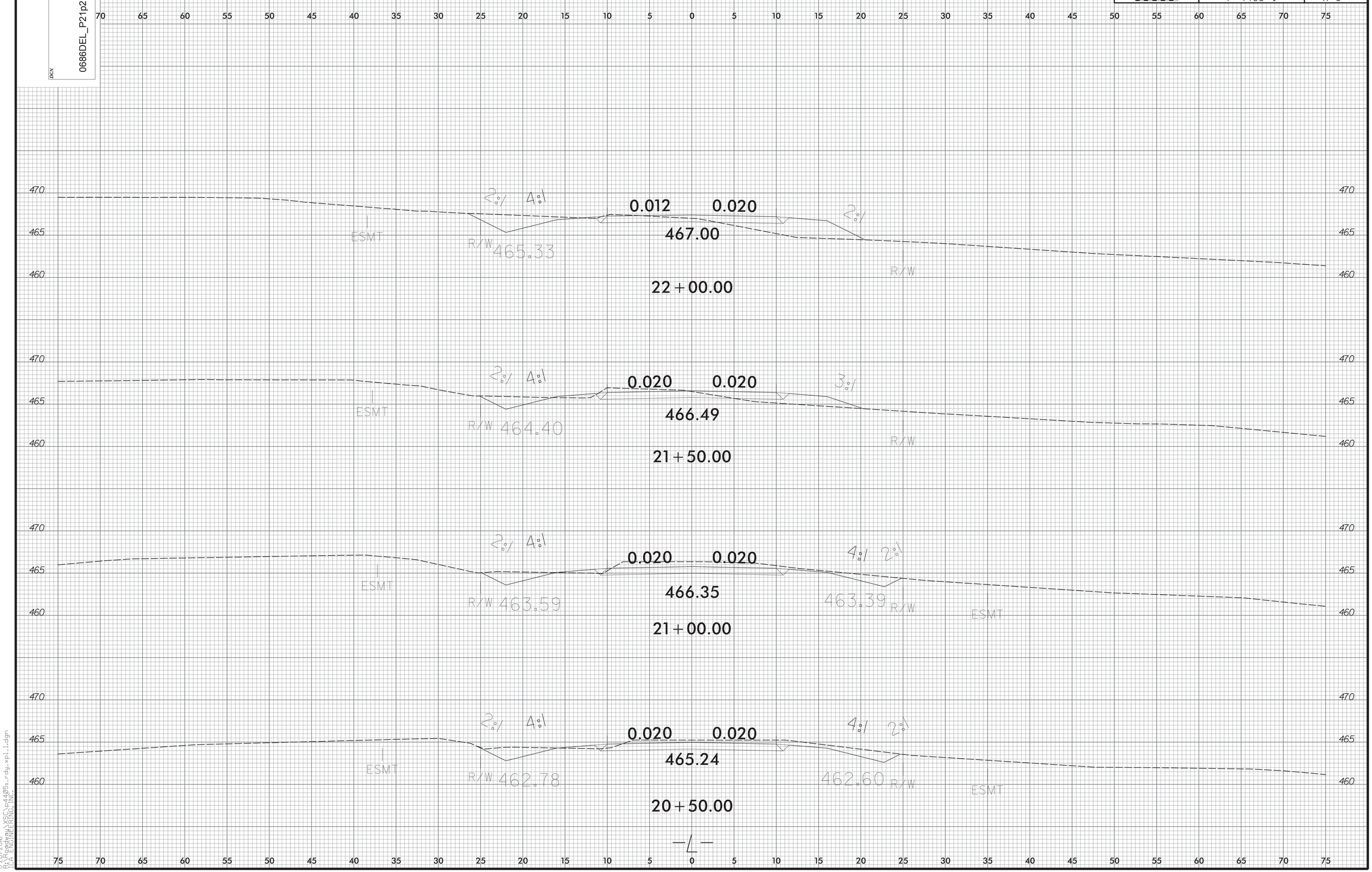


0686DEL_P21p2
0 2.5 5
PROJ. REFERENCE NO.
P-4405 I
SHEET NO.
X-5
0.020
0.011
463.97
2:1 4:1
4:1 2:1
ESMT
R/W 461.98
461.81 R/W
ESMT
20+00.00
0.020
0.016
462.18
2:1 4:1
4:1 2:1
ESMT
R/W 461.34
461.44 R/W
ESMT
19+50.00
0.040
0.040
462.47
2:1 4:1
4:1 2:1
ESMT
R/W 460.83
461.69 R/W
ESMT
19+00.00
0.040
0.040
463.28
2:1 4:1
4:1 2:1
ESMT
R/W 460.26
462.02 R/W
ESMT
18+50.00
-L-

PROJ. REFERENCE NO.	SHEET NO.
P-4405 I	X-6

0 2.5 5

0686DEL_P21p2



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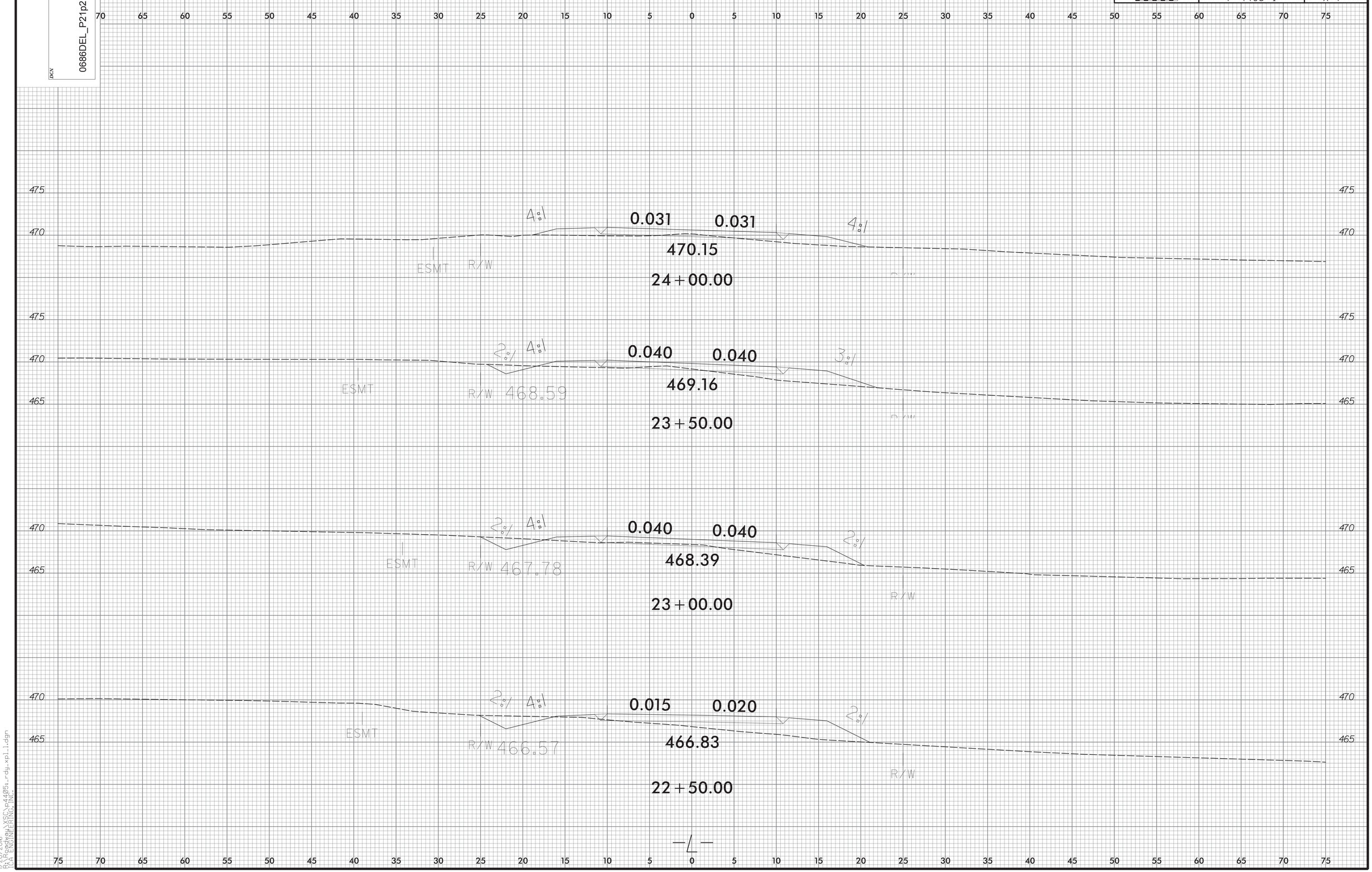
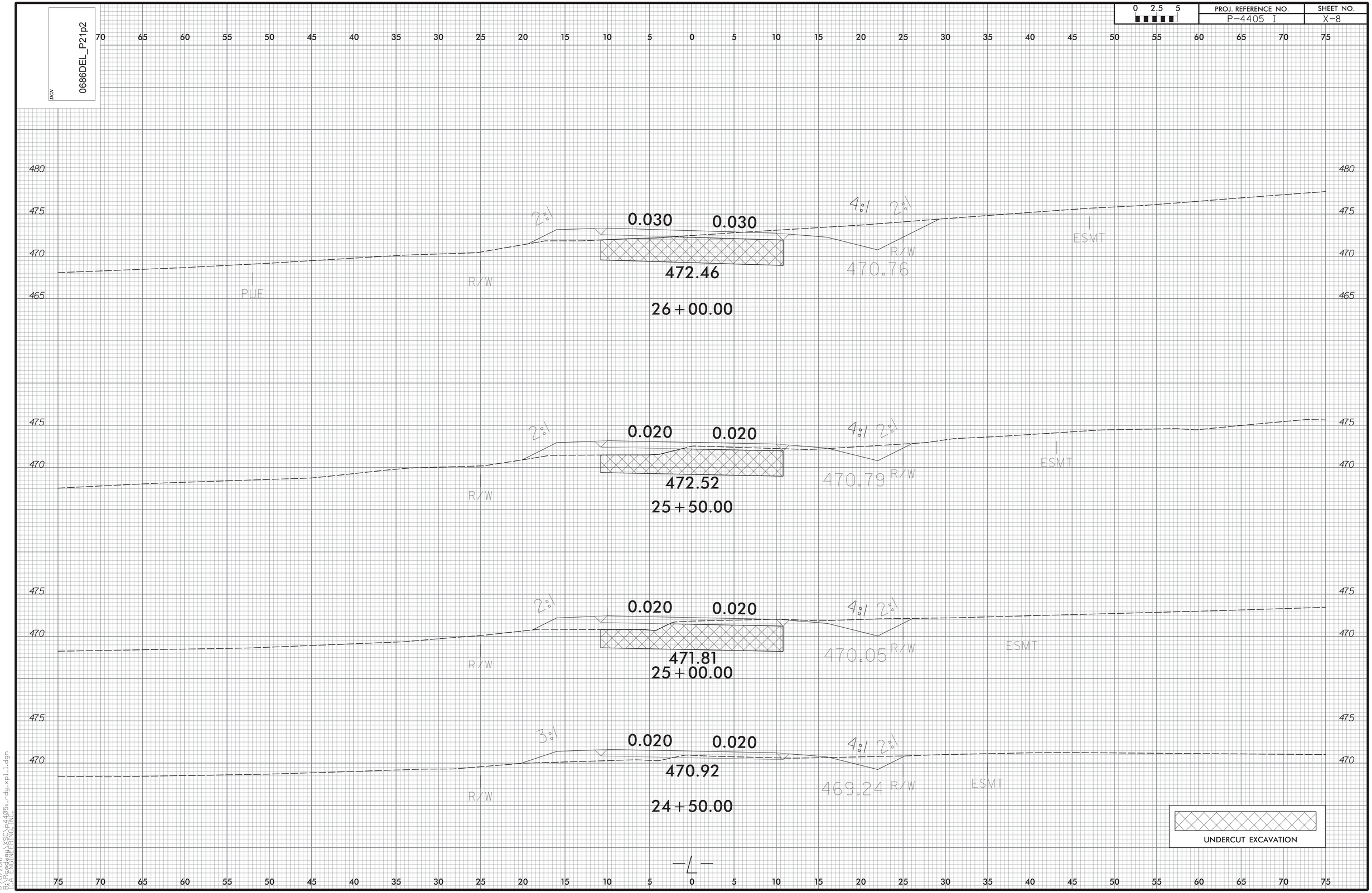
TCA ENGINEERING INC.



0686DEL_P21p2
0 2.5 5
PROJ. REFERENCE NO.
P-4405 I
SHEET NO.
X-7
475
470
465
4:1
0.031
0.031
470.15
ESMT
R/W
24+00.00
2:1
4:1
0.040
0.040
3:1
469.16
468.59
23+50.00
2:1
4:1
0.040
0.040
2:1
468.39
467.78
23+00.00
2:1
4:1
0.015
0.020
2:1
466.83
466.57
22+50.00
-L-

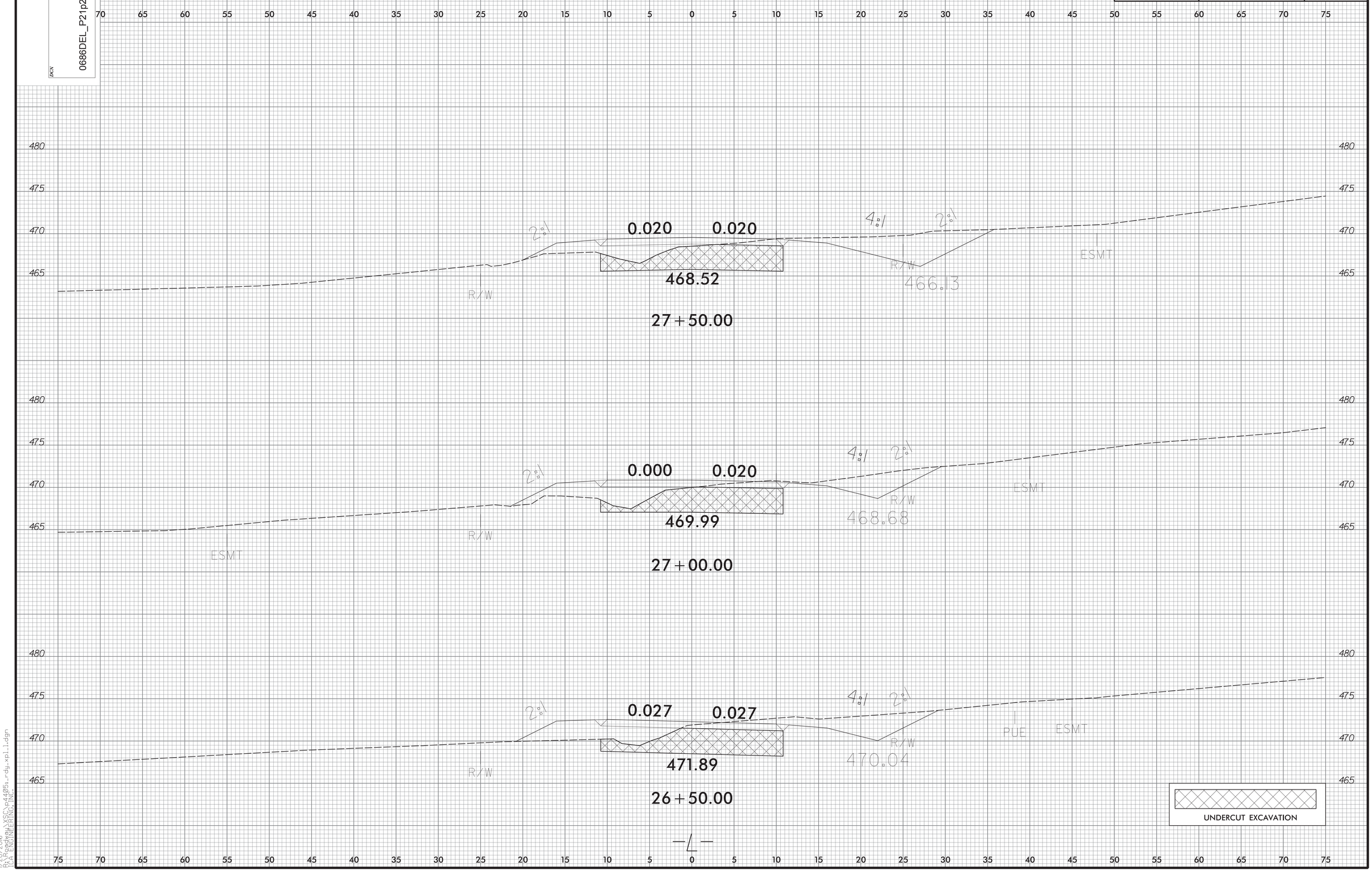


0686DEL_P21p2
0 2.5 5
PROJ. REFERENCE NO.
P-4405 I
SHEET NO.
X-8
0.030
0.030
472.46
26+00.00
2:1
4:1
2:1
R/W
PUE
ESMT
470.76
0.020
0.020
472.52
25+50.00
470.79
0.020
0.020
471.81
25+00.00
470.05
3:1
0.020
0.020
470.92
24+50.00
469.24
UNDERCUT EXCAVATION

PROJ. REFERENCE NO.	SHEET NO.
P-4405 I	X-9

0 2.5 5

0686DEL_P21p2



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TCA ENGINEERING INC.

0686DEL_P21p2

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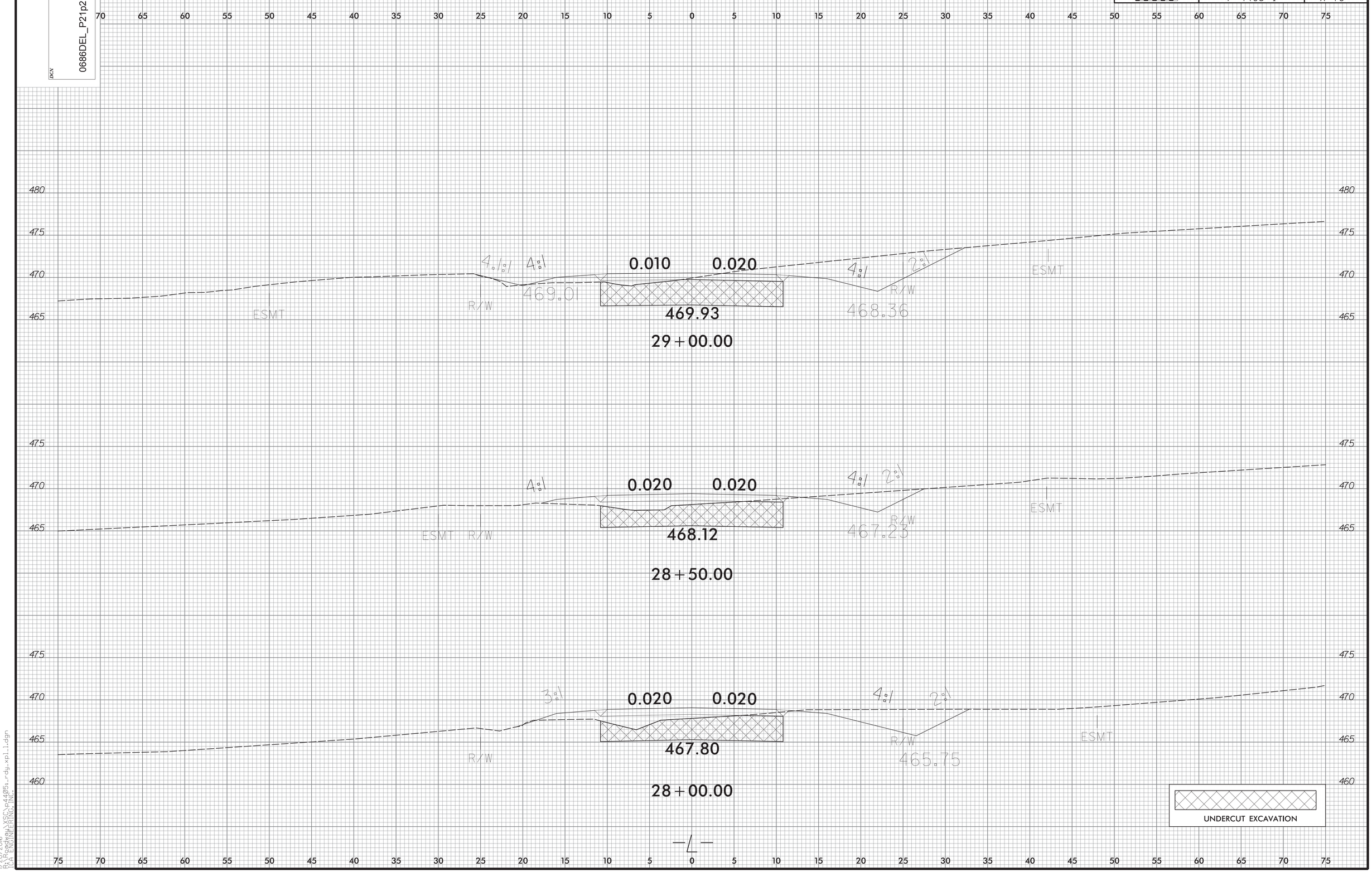
	P-4405 I	X-10



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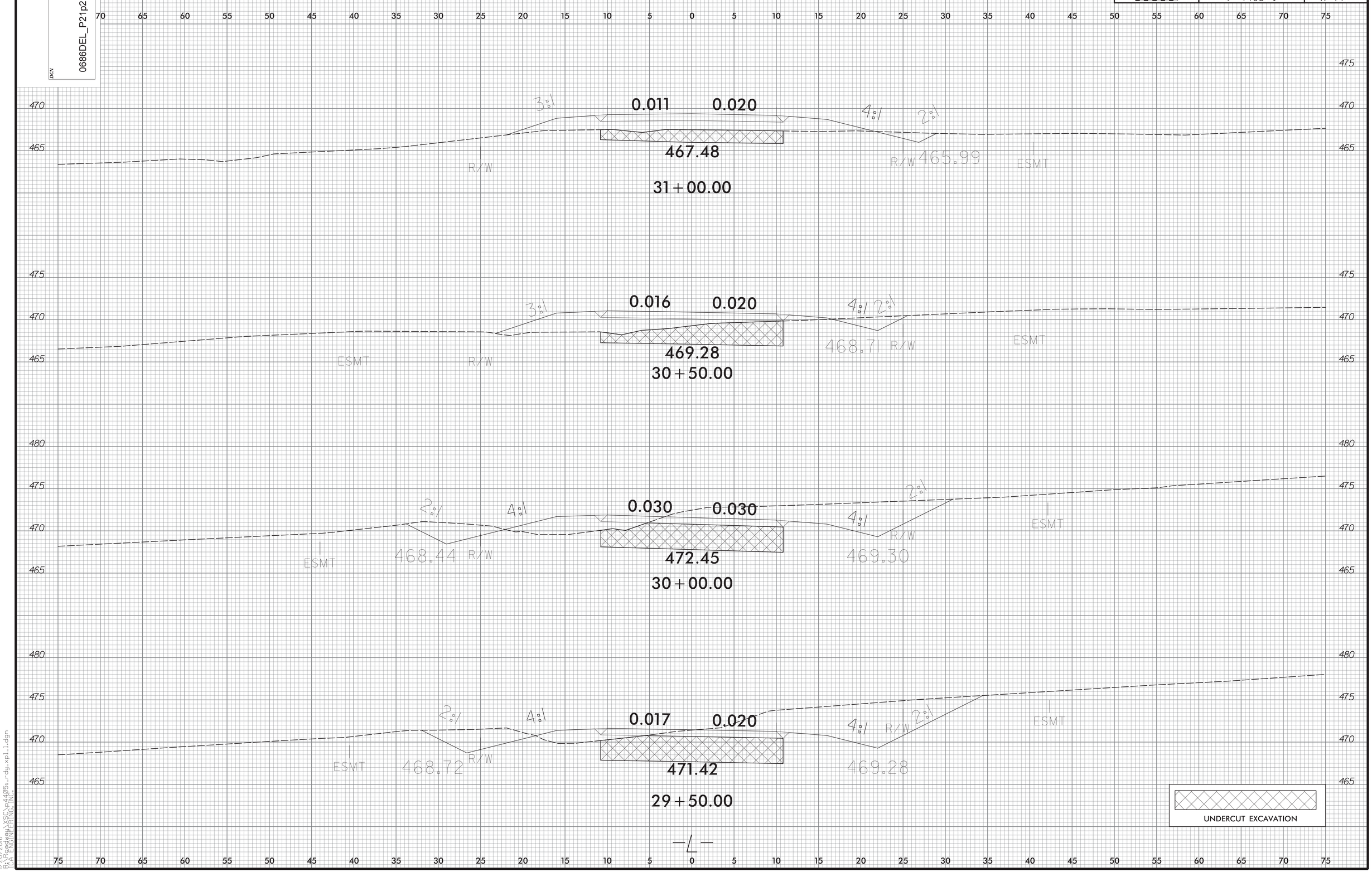
TCA ENGINEERING INC.

PROJ. REFERENCE NO.	SHEET NO.
P-4405 I	X-11

0 2.5 5

0686DEL_P21p2



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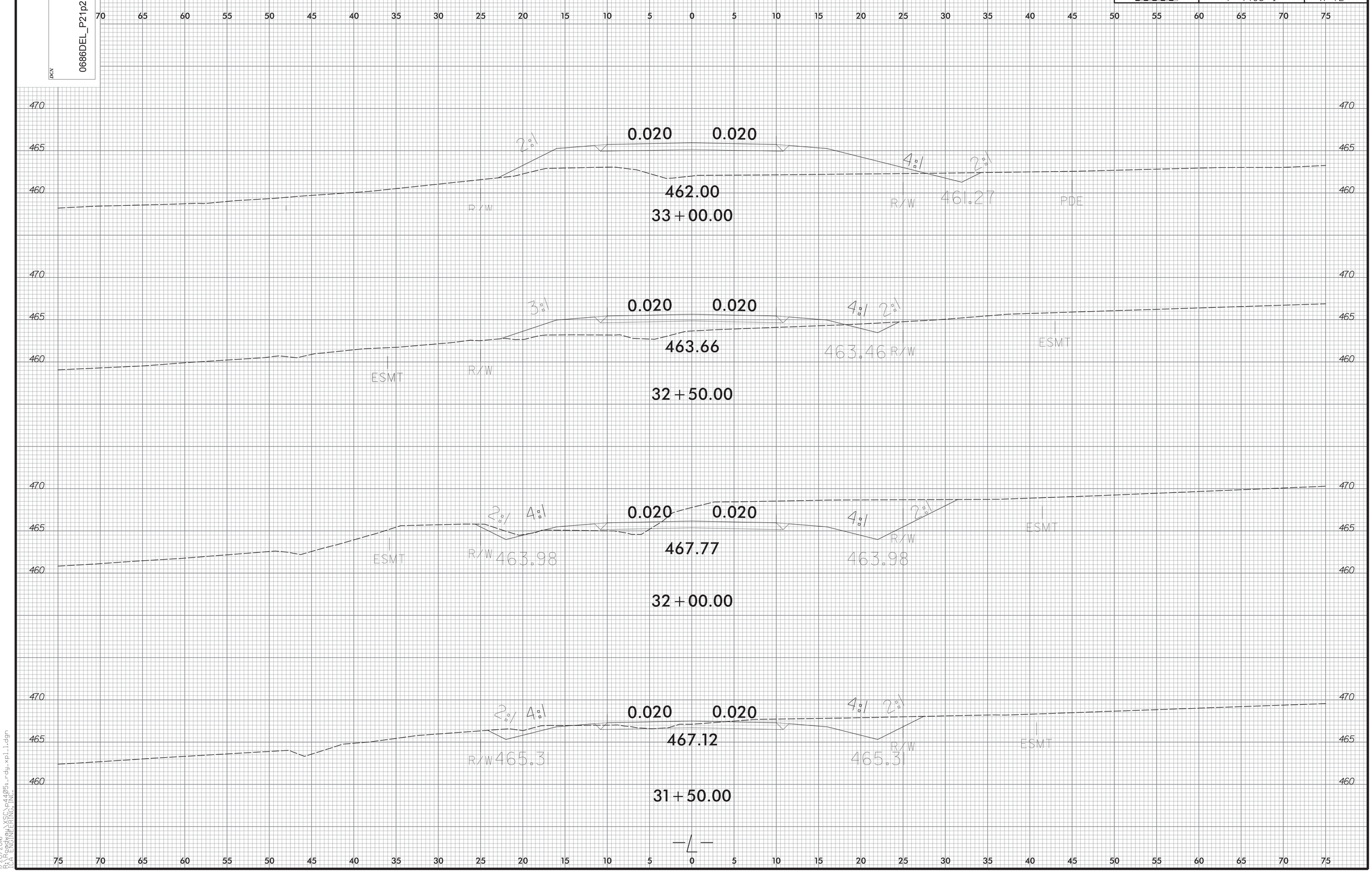
TCA ENGINEERING INC.

PROJ. REFERENCE NO.	SHEET NO.
P-4405 I	X-12

0 2.5 5

0686DEL_P21p2



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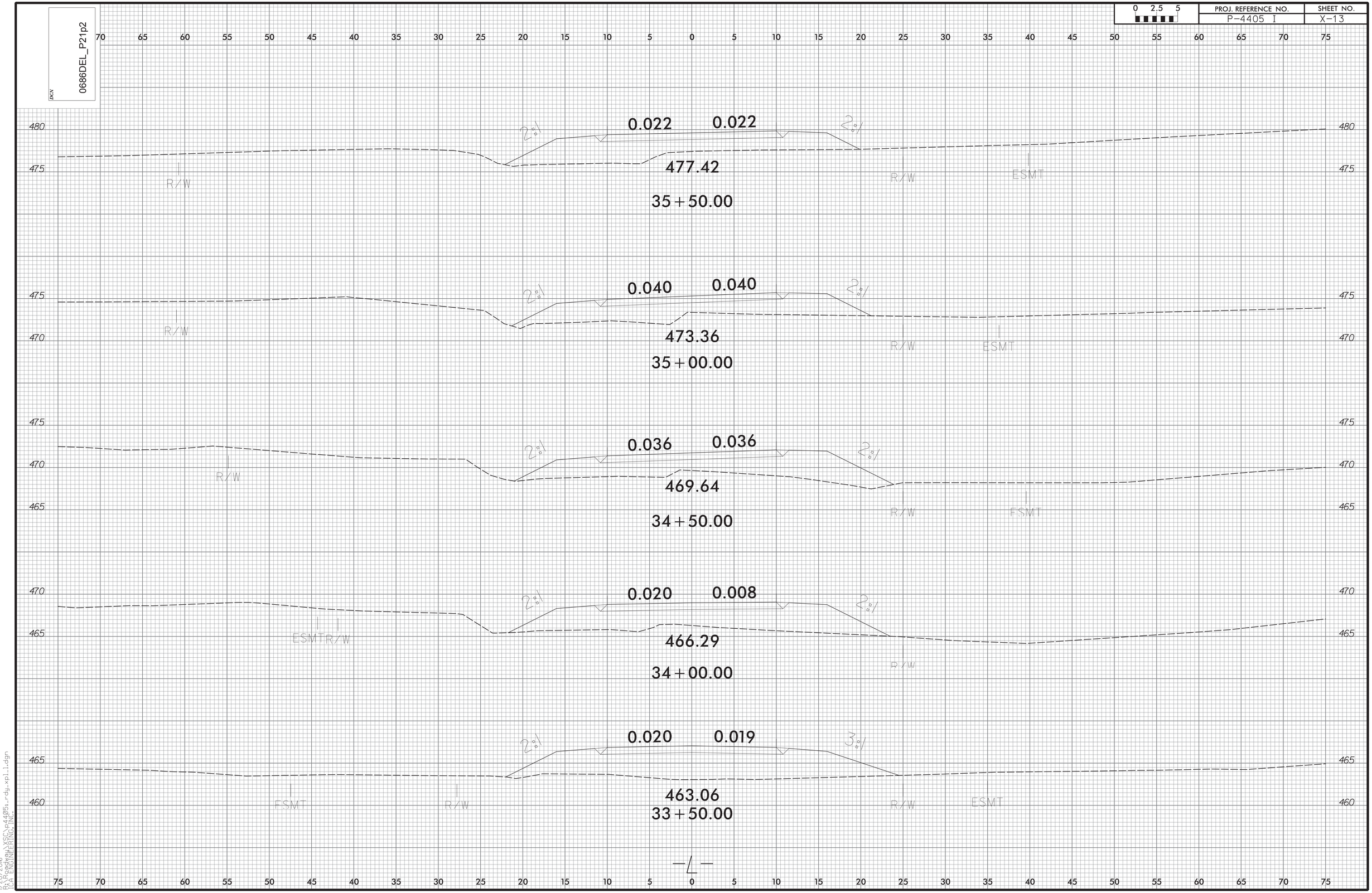
TCA ENGINEERING INC.

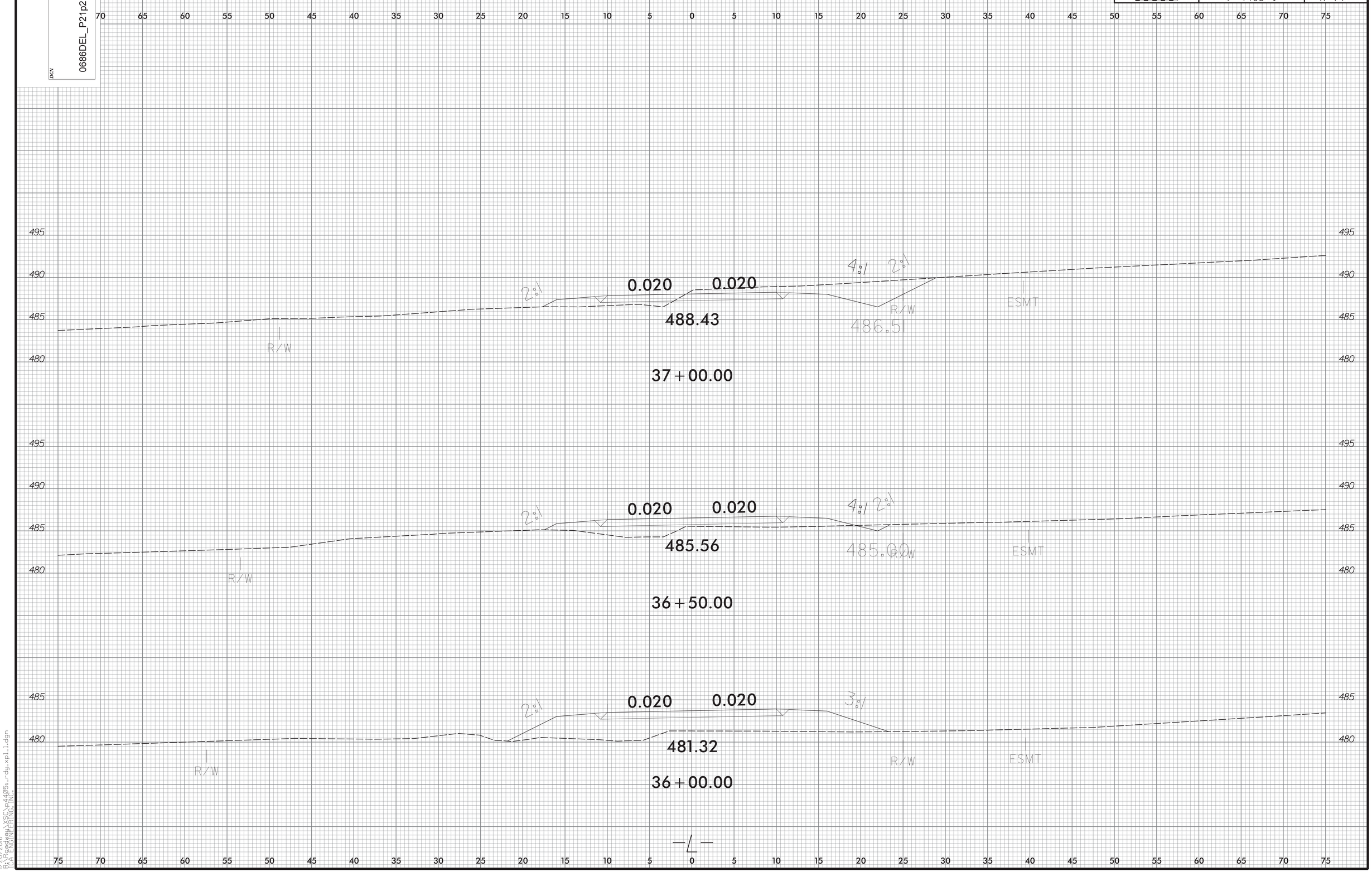


0686DEL_P21p2
0 2.5 5
PROJ. REFERENCE NO.
P-4405 I
SHEET NO.
X-13
0.022
0.022
2:1
2:1
477.42
35+50.00
R/W
ESMT
0.040
0.040
473.36
35+00.00
0.036
0.036
469.64
34+50.00
0.020
0.008
466.29
34+00.00
0.020
0.019
3:1
463.06
33+50.00
-L-

PROJ. REFERENCE NO.	SHEET NO.
P-4405 I	X-14

0 2.5 5

0686DEL_P21p2



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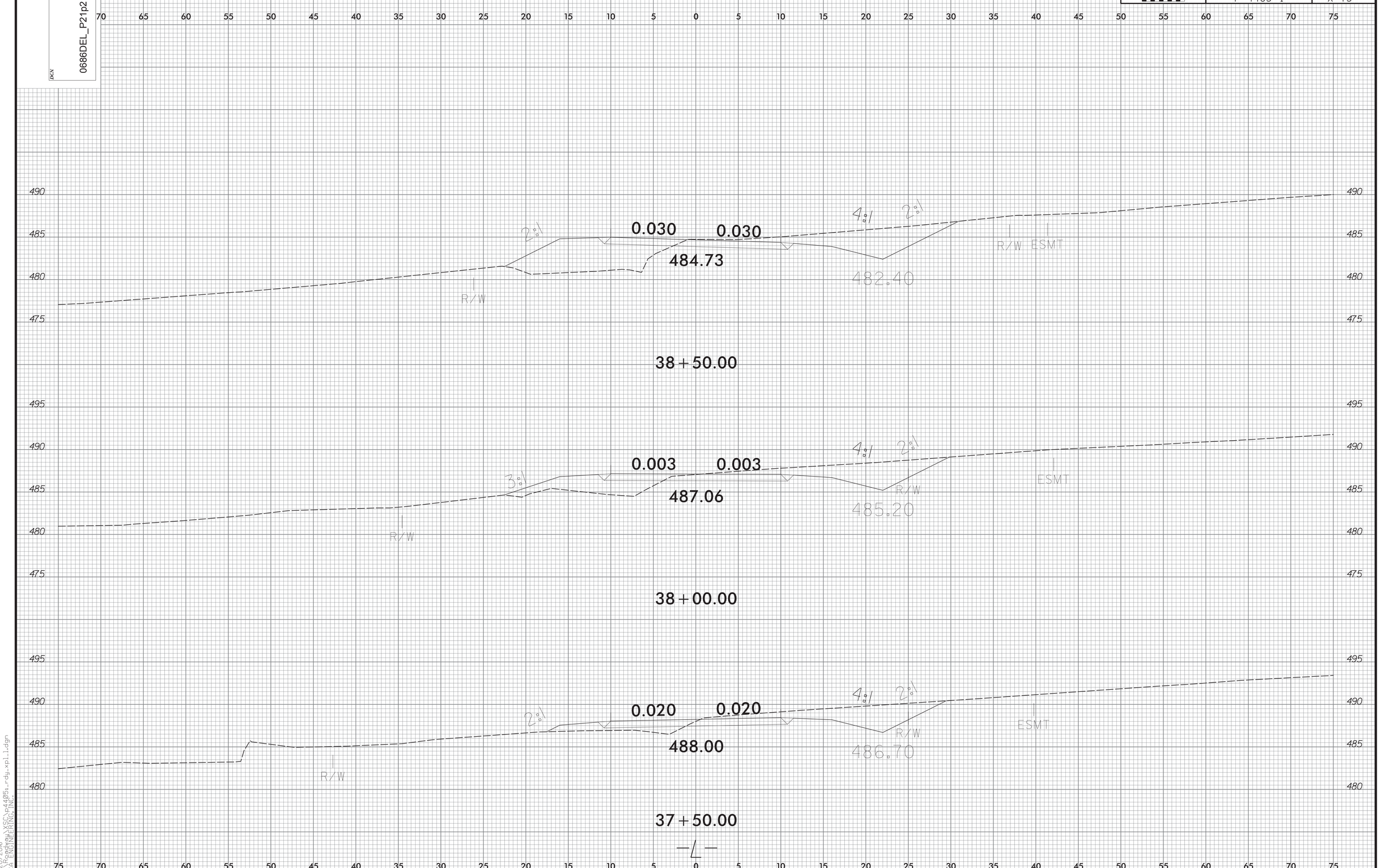
TEA ENGINEERING INC.

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	P-4405 I	X-15

0686DEL_P21p2



1/20/2016
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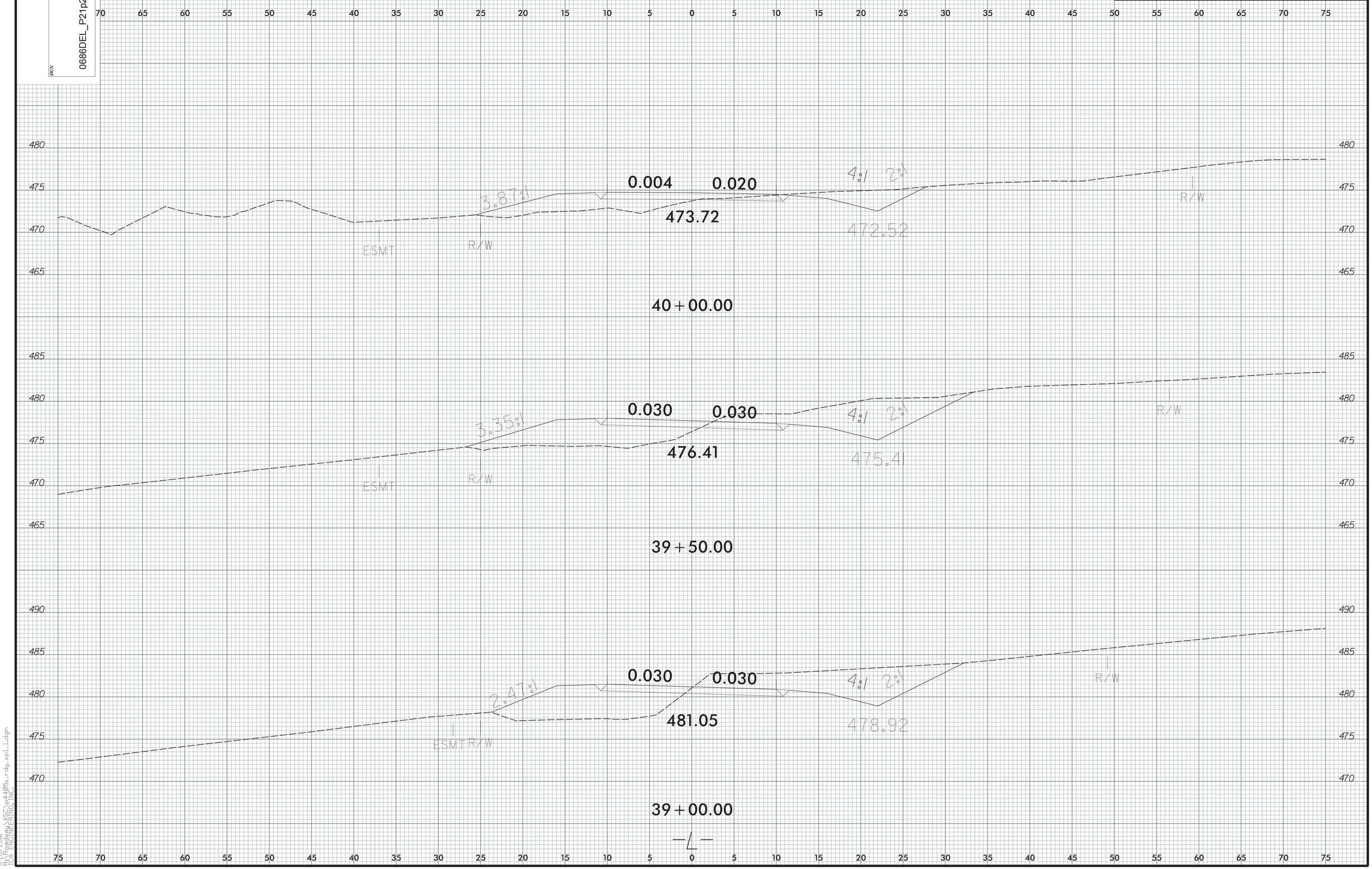
TCA ENGINEERING, INC.

PROJ. REFERENCE NO.	SHEET NO.
P-4405 I	X-16

0 2.5 5

0686DEL_P21p2



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TCA ENGINEERING, INC.

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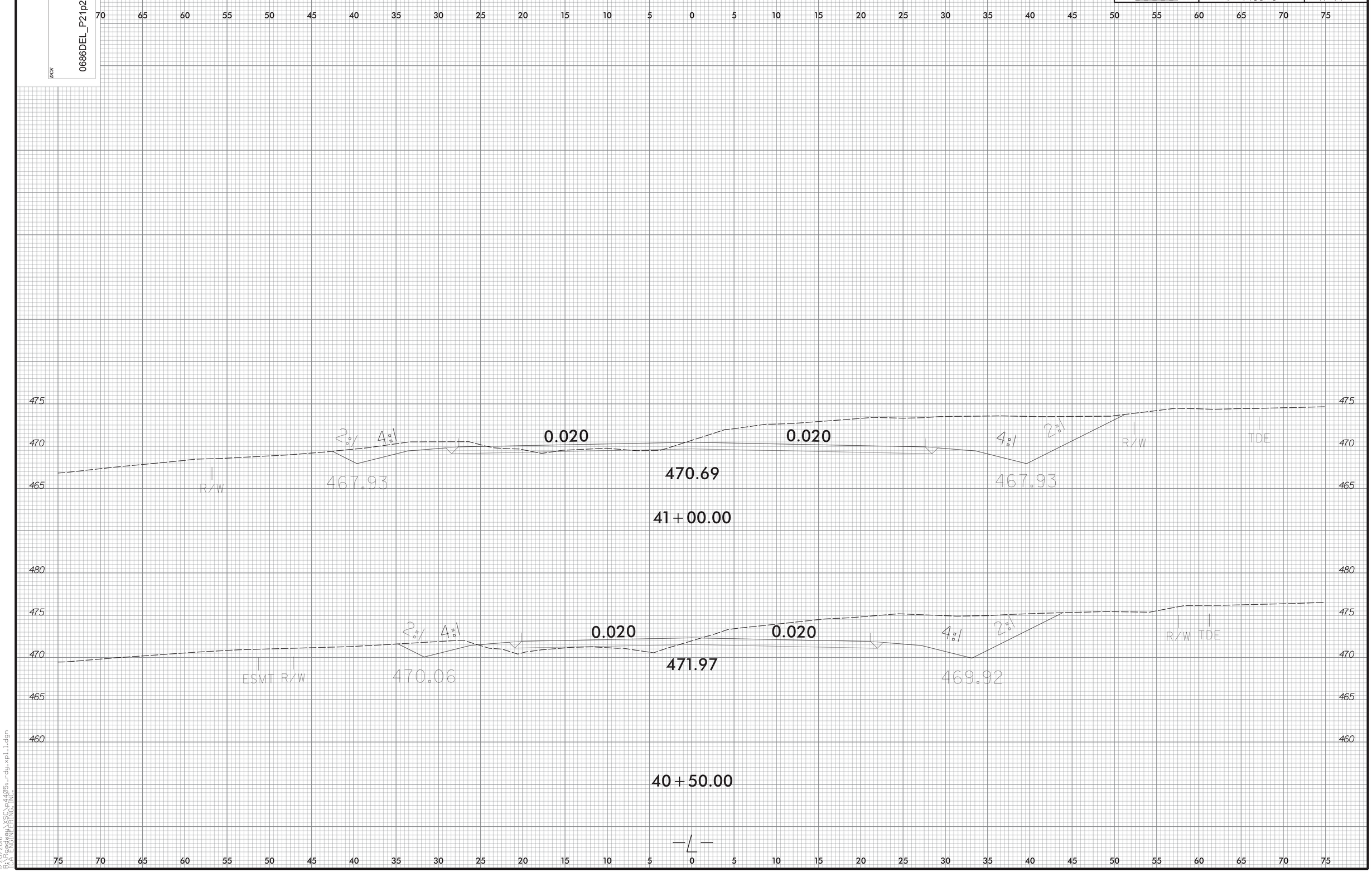
	P-4405 I	X-17

DGN 0686DEL_P21p2



1/20/2016
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TCA ENGINEERING, INC.