PROJECT REFERENCE NO.	SHEET NO.
U-5711	X-1

0 5 10

U–5711

CROSS–SECTIONS

INDEX OF SHEETS

TITLE	SHEET NO.
CROSS SECTION SUMMARY	X–1A
–L–	X–2 THRU X–33
–Y2–	X–34 THRU X–35
–Y3–	X–36 THRU X–37

Note: "Quantities are approximate only. The Resident Engineer will re–cross–section the work accurately when the project is staked out. These cross–section notes will be used in computing the final quantities for which the contractor will be paid."

SHALLOW UNDERCUT

UNDERCUT EXCAVATION

6/2/99

$$$$$$SYSTIME$$$$$ $$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$ $$$$$USERNAME$$$$

PROJ. REFERENCE NO.	SHEET NO.
U-5711	X-1A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

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

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
14+00.00	0	0
14+50.00	28	1
15+00.00	47	2
15+50.00	45	3
16+00.00	43	4
16+50.00	50	5
17+00.00	83	3
17+50.00	145	0
18+00.00	170	0
18+50.00	120	3
19+00.00	60	16
19+50.00	32	38
20+00.00	22	51
20+50.00	20	51
21+00.00	19	51
21+50.00	20	64
22+00.00	18	75
22+50.00	13	44
23+00.00	31	8
	966	419

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
23+00.00	0	0
23+50.00	83	1
24+00.00	149	0
24+45.98	165	0
	397	1

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
24+56.06	0	0
25+00.00	8	18
	8	18

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
25+00.00	0	0
25+50.00	13	11
26+00.00	14	7
26+50.00	26	6
27+00.00	20	19
27+50.00	2	19
28+00.00	16	32
28+50.00	44	49
29+00.00	52	27
29+50.00	44	21
30+00.00	31	29
30+50.00	23	32
31+00.00	29	30
31+50.00	28	22
32+00.00	22	18
32+50.00	16	47

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
33+00.00	14	148
33+50.00	7	162
34+00.00	0	96
34+50.00	19	56
35+00.00	46	19
35+50.00	46	19
36+00.00	28	37
36+50.00	19	38
37+00.00	18	38
37+50.00	47	31
38+00.00	99	6
38+50.00	131	0
39+00.00	128	4
39+50.00	106	15
40+00.00	68	27
40+50.00	67	27
41+00.00	56	19
41+50.00	8	14
42+00.00	7	12
42+50.00	34	37
43+00.00	33	70
43+50.00	9	69
43+88.00	6	45
	1376	1358

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
43+88.00	0	0
44+00.00	0	16
44+22.00	0	29
	0	45

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
44+22.00	0	0
44+50.00	0	17
45+00.00	13	30
45+50.00	28	35
46+00.00	96	25
46+50.00	146	8
47+00.00	120	15
47+50.00	89	25
48+00.00	53	36
48+50.00	49	51
49+00.00	40	30
49+50.00	20	18
50+00.00	27	27
50+50.00	33	21
51+00.00	34	21
51+50.00	71	17
52+00.00	115	13
52+50.00	122	10
53+00.00	135	4

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
53+50.00	135	5
54+00.00	115	22
54+50.00	92	55
55+00.00	86	51
55+50.00	85	14
55+81.06	46	0
	1750	550

Station Y2	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
11+50.00	0	0
12+00.00	20	17
12+31.64	26	21
	46	38

Station Y2	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
12+65.64	0	0
13+00.00	8	5
13+50.00	6	4
	14	9

Station Y3	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+17.03	0	0
10+50.00	12	23
11+00.00	31	18
11+50.00	16	5
	59	46

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	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 65 70 75

745 740 735 730 725 720

EXIST. R/W

BEGIN SHALLOW UNDERCUT
STATION 14+05

0.010 0.018

732.78

EOP

EOP

EXIST. R/W

14+00.00

EXIST. R/W

EXIST. R/W

731.60

EOP

EOP

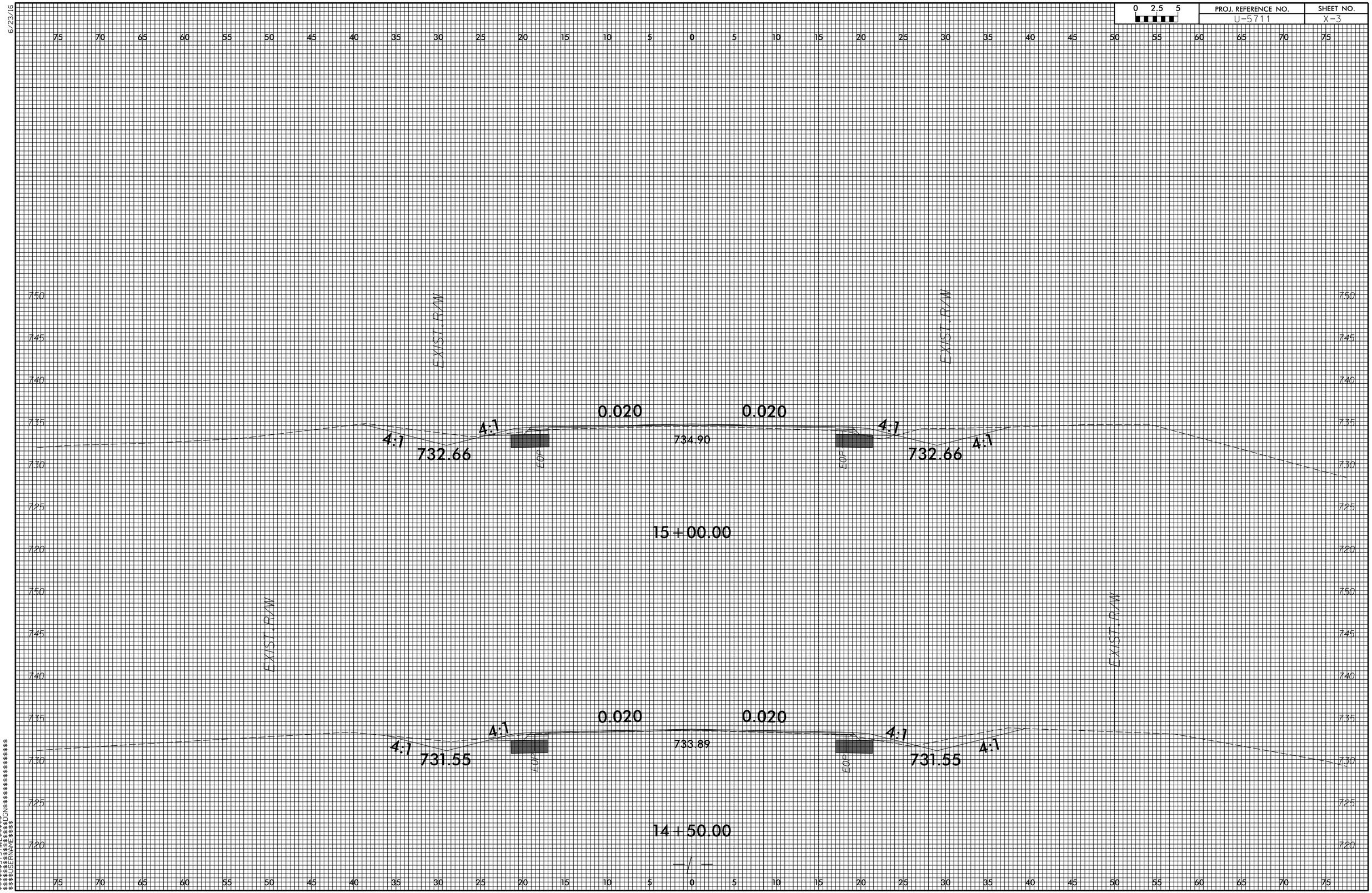
13+50.00

$$$$$$$SYSTIME$$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

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

6/23/16

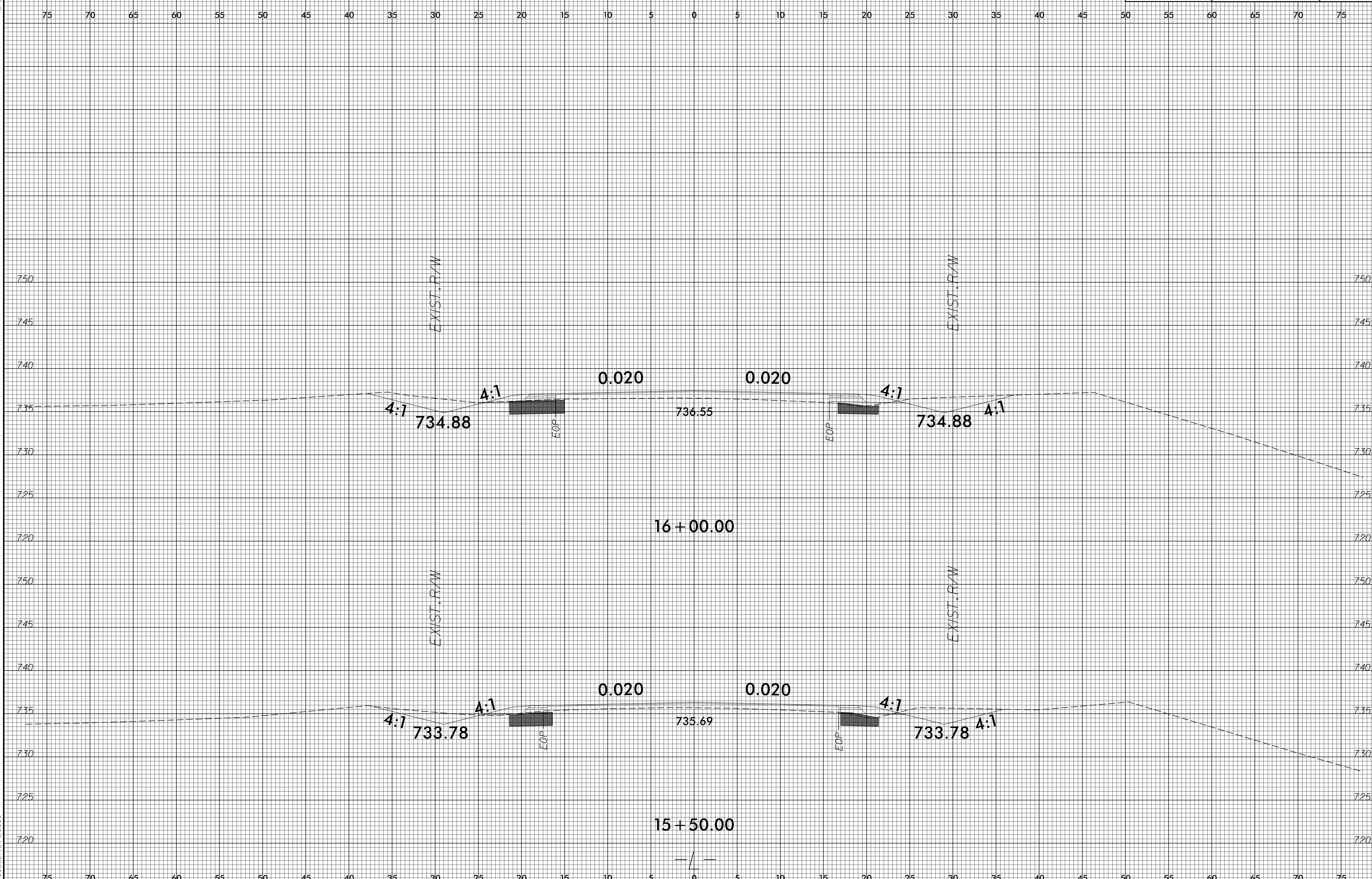
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-3



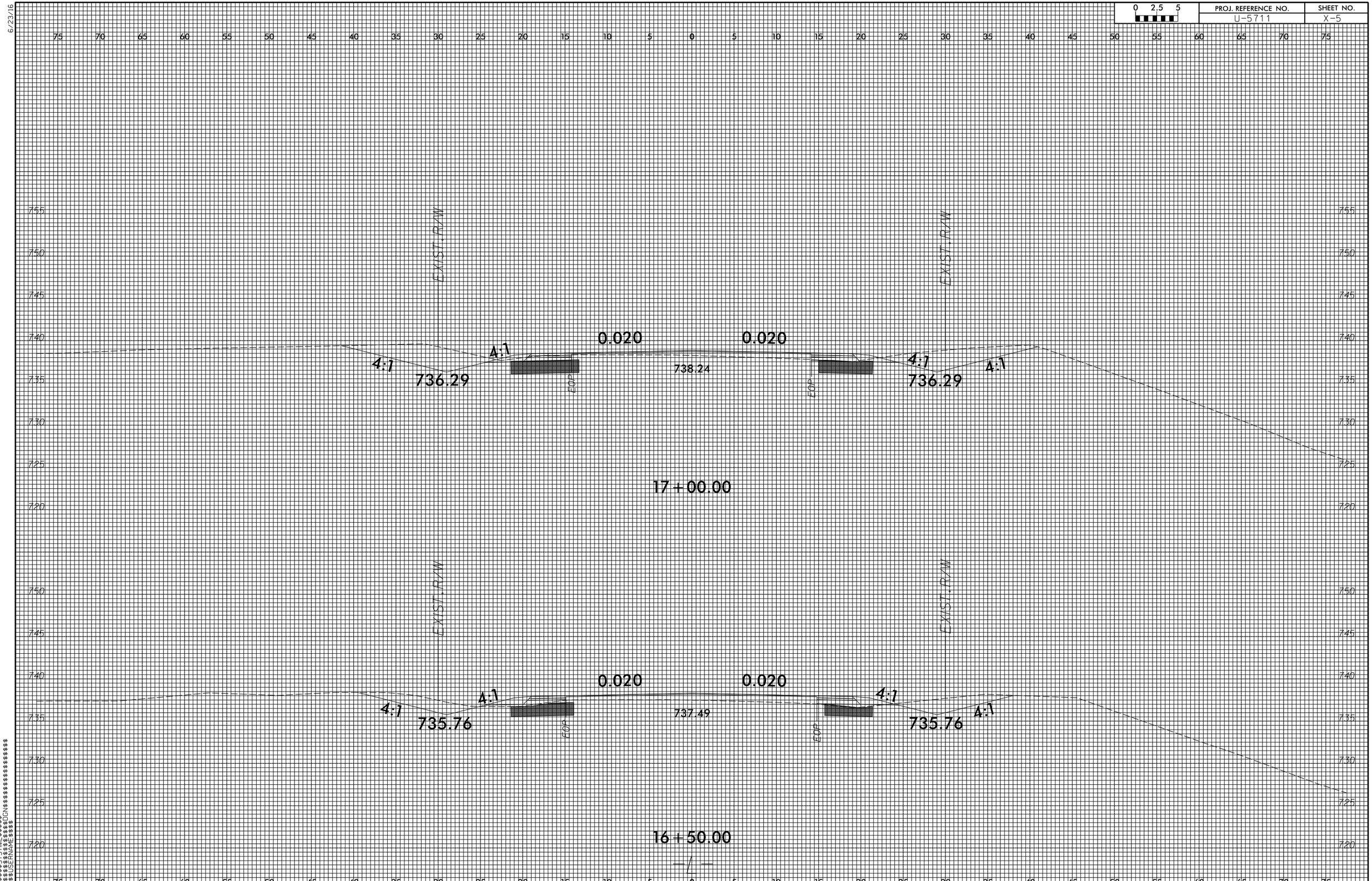
$$$$$$$SYSTIME$$$$$$$
$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/23/16

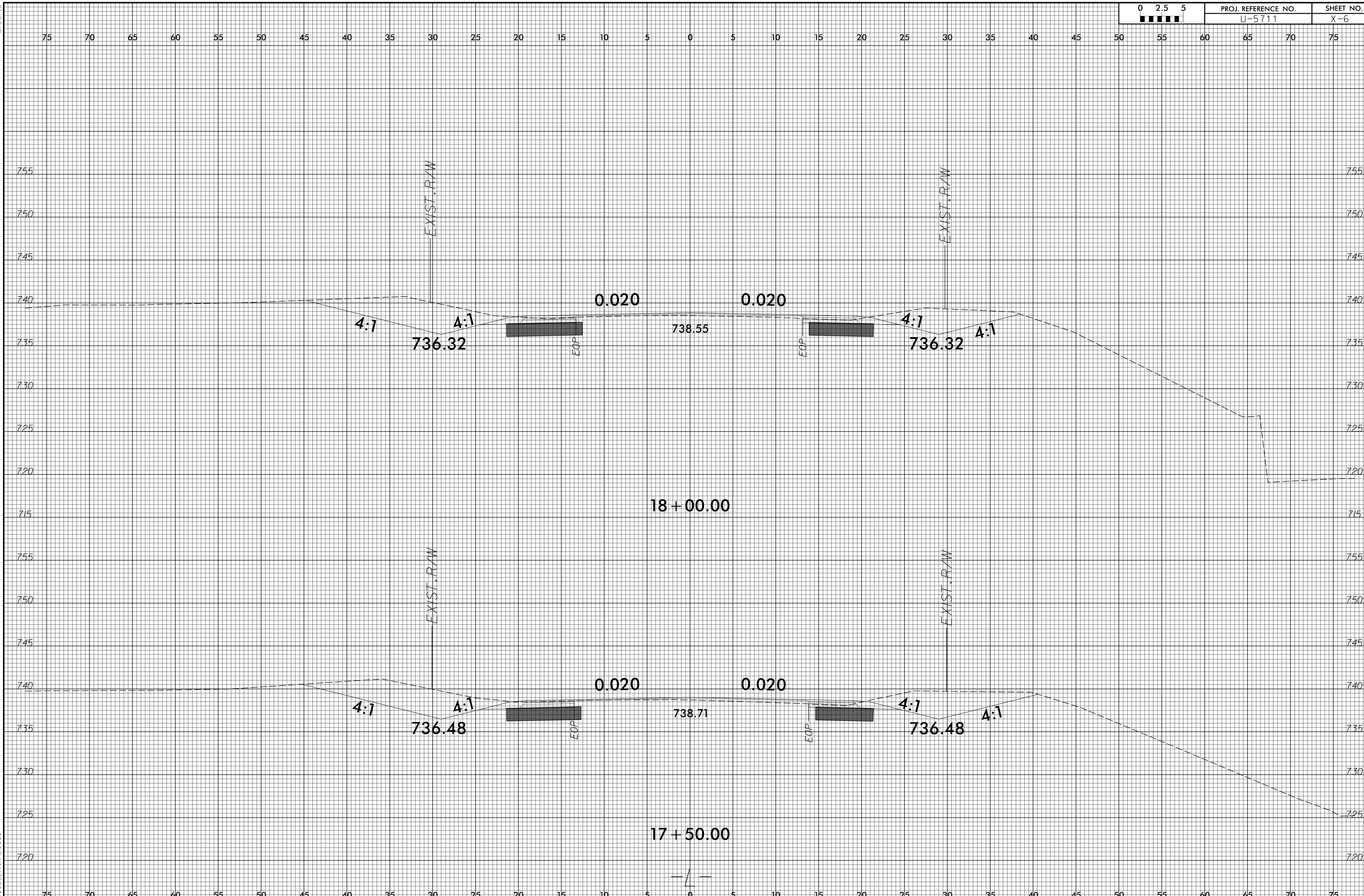
PROJ. REFERENCE NO.	SHEET NO.
U-5711	X-4



$$$$$$SYSTIME$$$$$
$$$$$$$$$$DGN$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$$



0 2.5 5
PROJ. REFERENCE NO.
U-5711
SHEET NO.
X-5
6/23/16
EXIST. R/W
EXIST. R/W
0.020
0.020
4:1
4:1
4:1
4:1
736.29
736.29
738.24
EOP
EOP
17+00.00
EXIST. R/W
EXIST. R/W
0.020
0.020
4:1
4:1
4:1
4:1
735.76
735.76
737.49
EOP
EOP
16+50.00

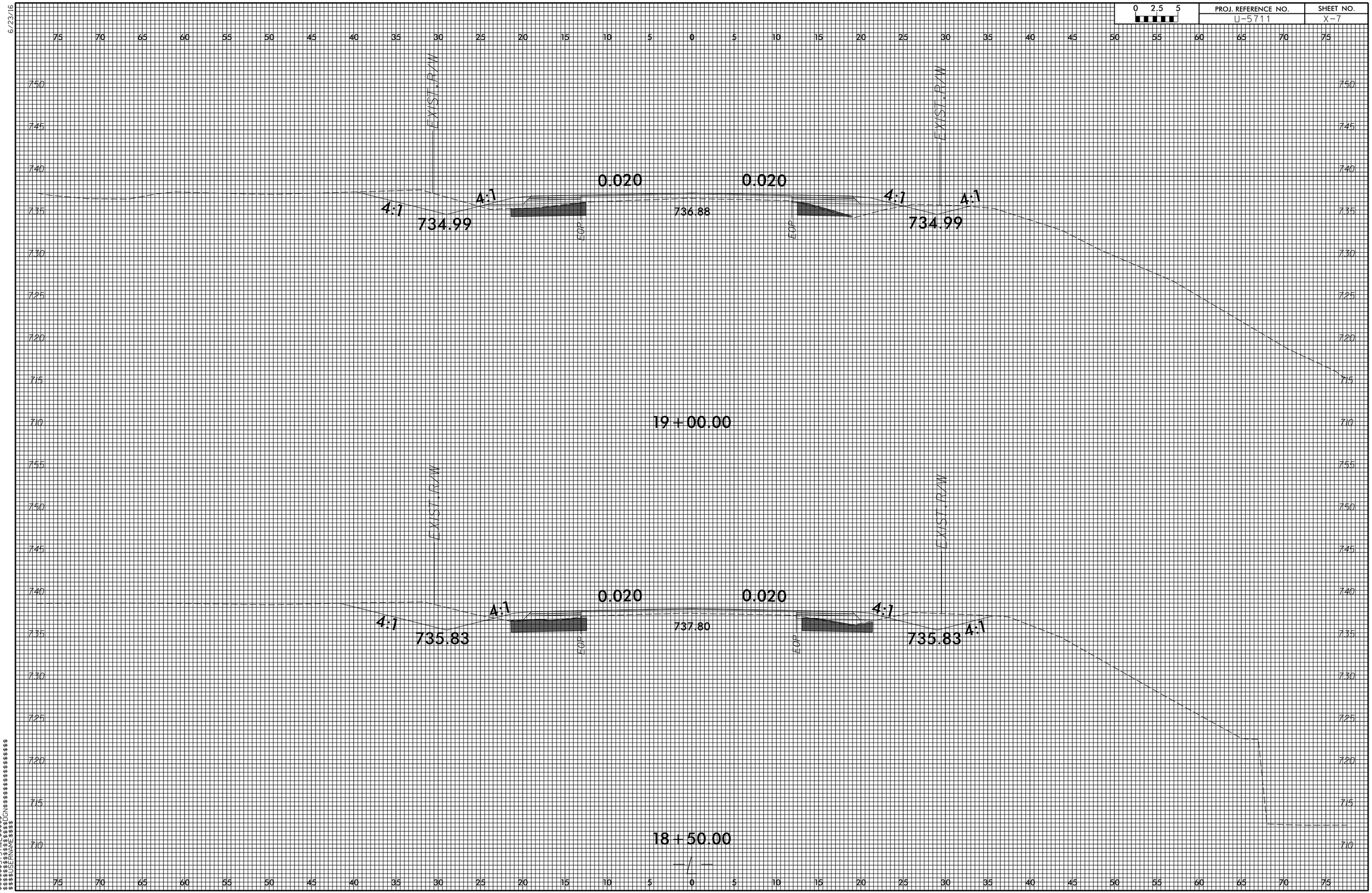


6/23/16

$$$$$$SYSTIME$$$$$ $$$$$$DGN$$$$$$$$$$$$$$$$$$ $$$$$USERNAME$$$$$

6/23/16

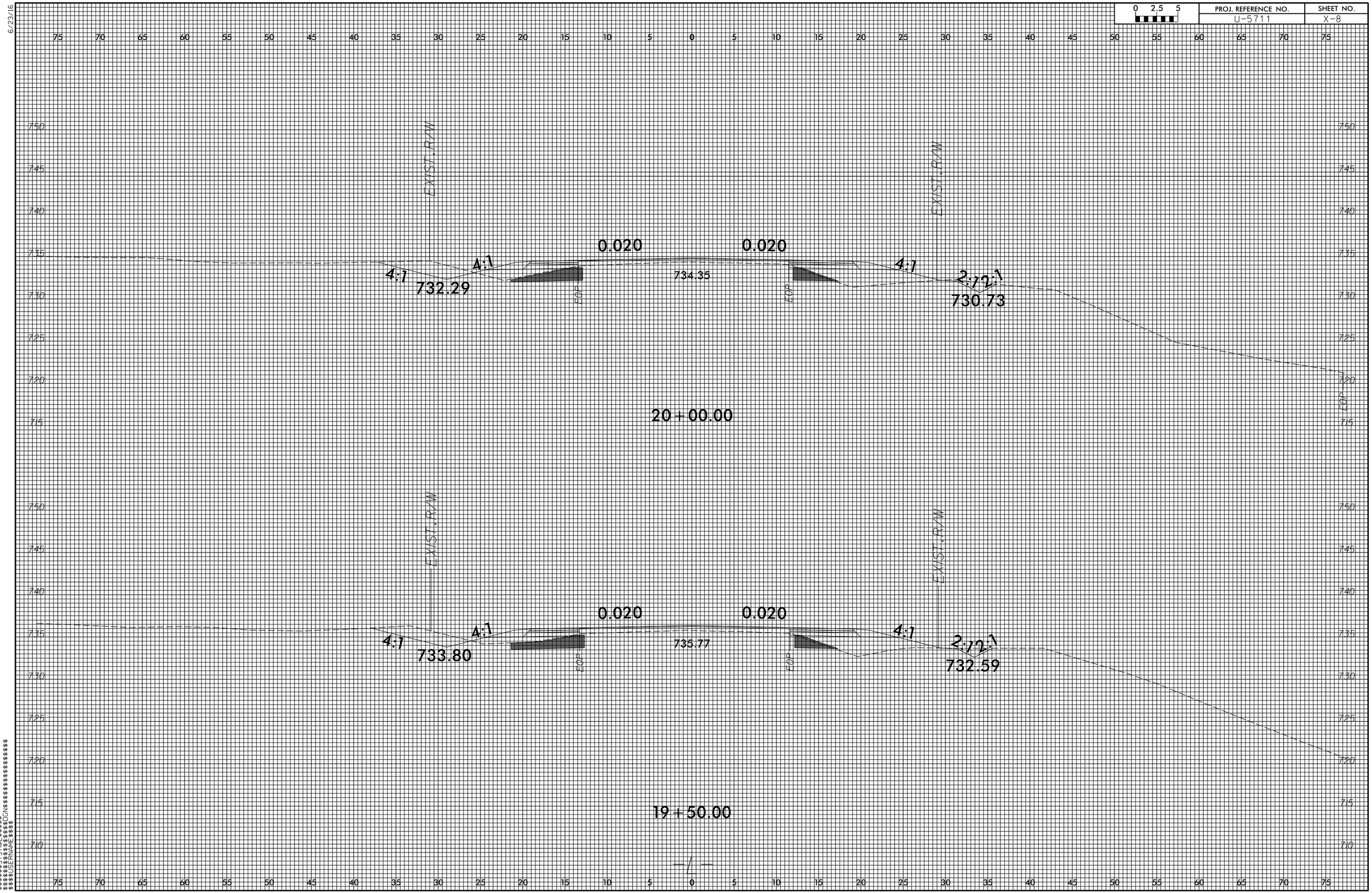
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-7



$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-8



$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-9

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

745 740 735 730 725 720 715

EXIST. R/W

0.020 0.020

4:1 4:1

729.03 731.32

EOP EOP

4:1 2:1

725.24

EOP

21+00.00

EXIST. R/W EXIST. R/W

0.020 0.020

4:1 4:1

730.66 732.82

EOP EOP

2:1

728.86

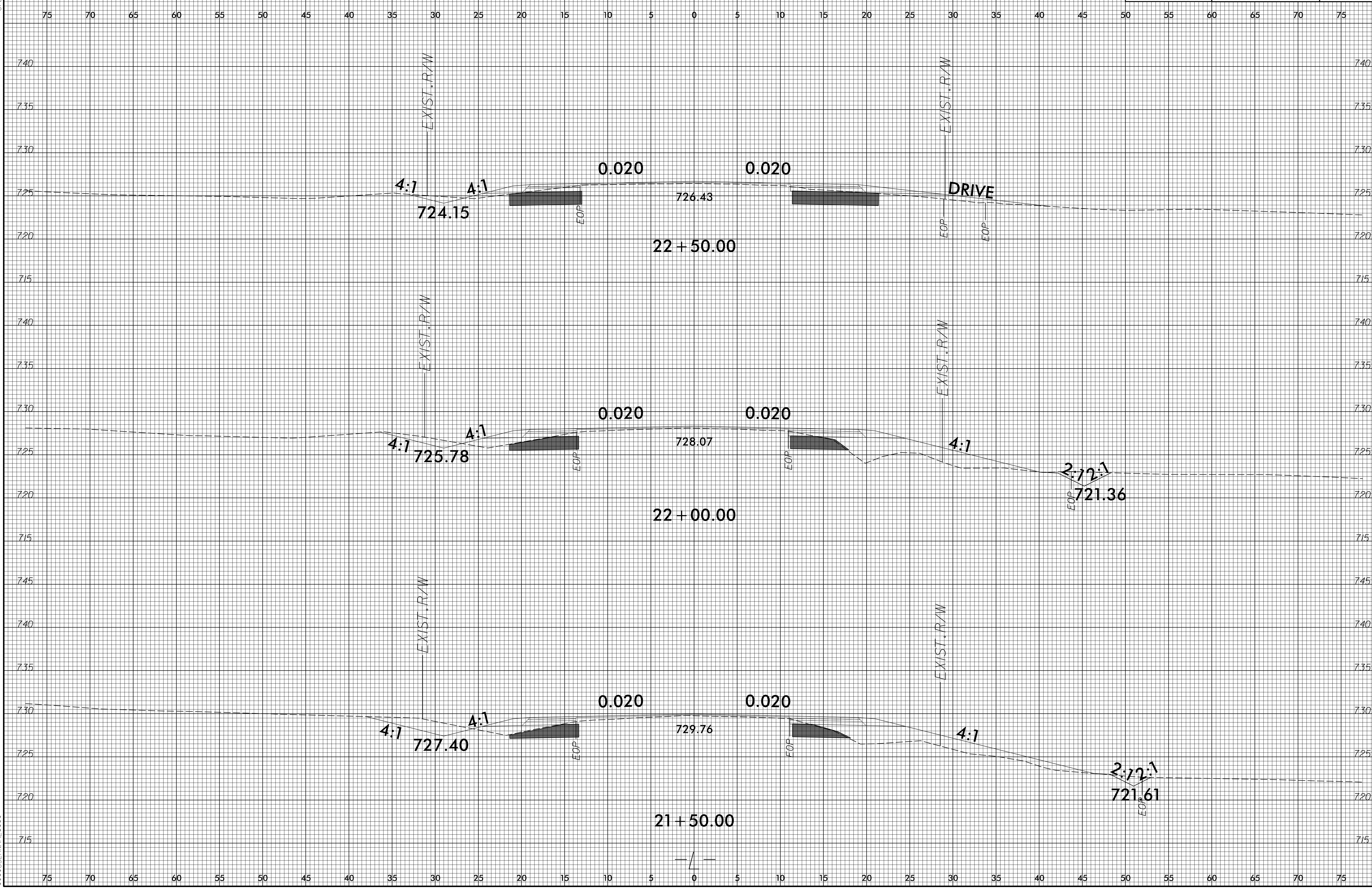
EOP

20+50.00

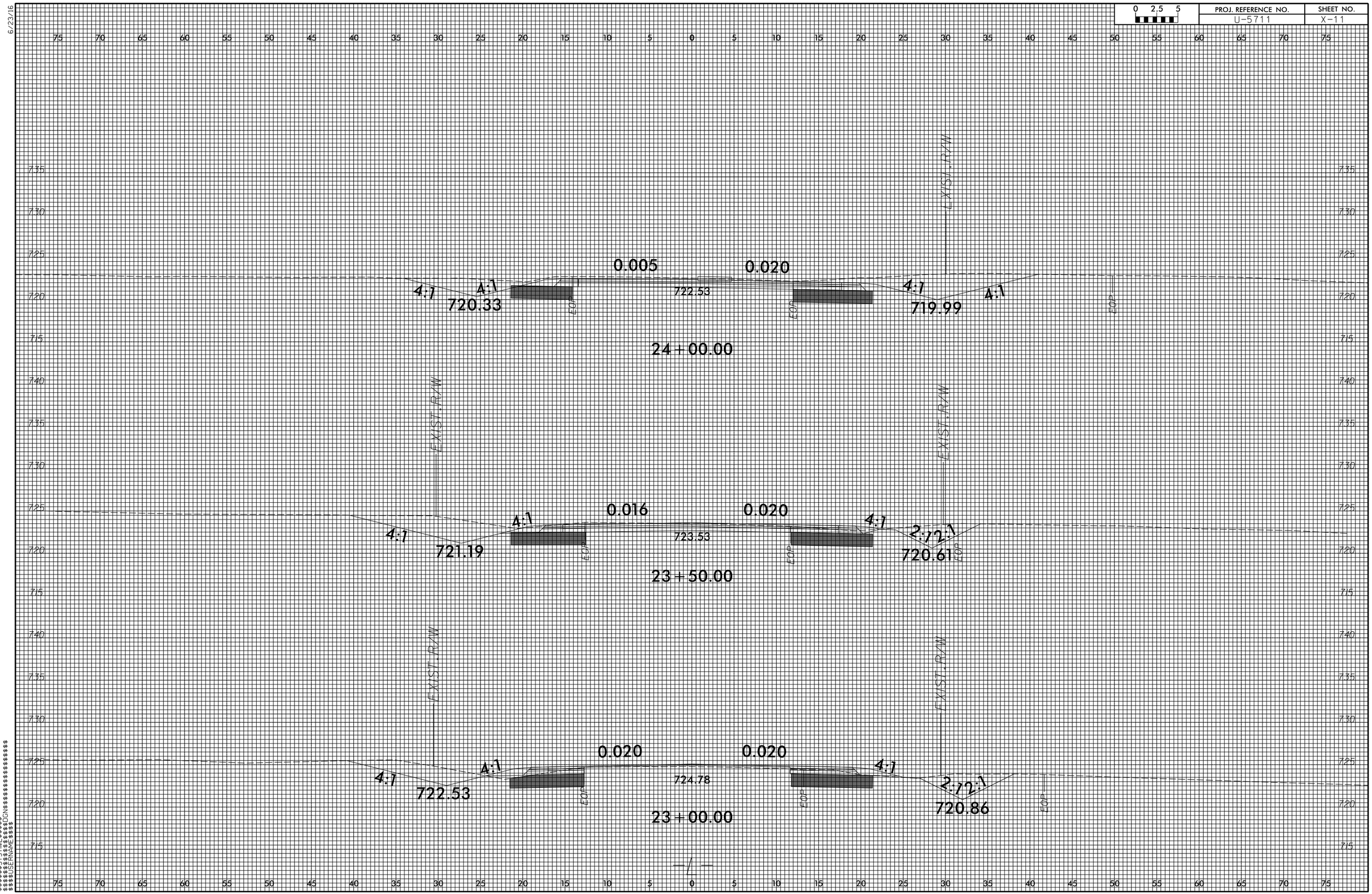
$$$$$$$$SYSTIME$$$$$$$$
$$$$$$$$USERNAME$$$$$$$$

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-10



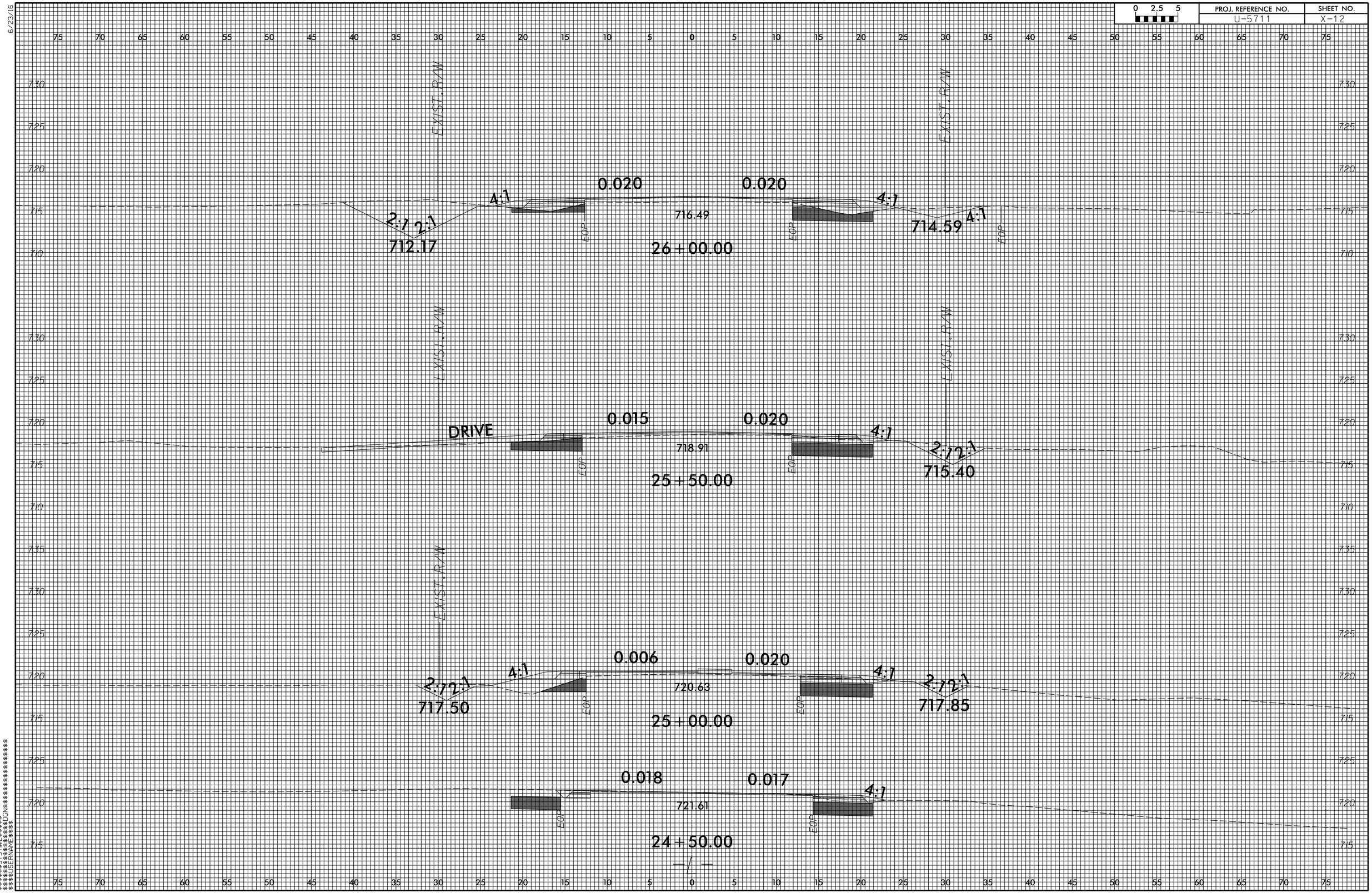
$$$$$$$SYSTIME$$$$
$$$$$$$$$DGN$$$$$$$$$$$$$$$$
$$$$$USERNAME$$$$



0 2.5 5
PROJ. REFERENCE NO.
U-5711
SHEET NO.
X-11
6/23/16
0.005
0.020
4:1
4:1
720.33
722.53
4:1
4:1
719.99
EXIST. R/W
EOP
24+00.00
0.016
0.020
4:1
4:1
721.19
723.53
4:1
2:1
2:1
720.61
23+50.00
0.020
0.020
4:1
4:1
722.53
724.78
4:1
2:1
2:1
720.86
23+00.00

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-12



$$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-13

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

SP1 SP2

710 705

0.020 0.020

707.83

27 + 50.00

725 720 715 710 705

EXIST. R/W EXIST. R/W

0.020 0.020

4:1 4:1

2:12:1 2:12:1

710.69

706.11 706.99

EOP EOP

27 + 00.00

730 725 720 715 710 705

EXIST. R/W EXIST. R/W

0.020 0.020

4:1 4:1

2:12:1 A:1

713.85

709.50 711.84

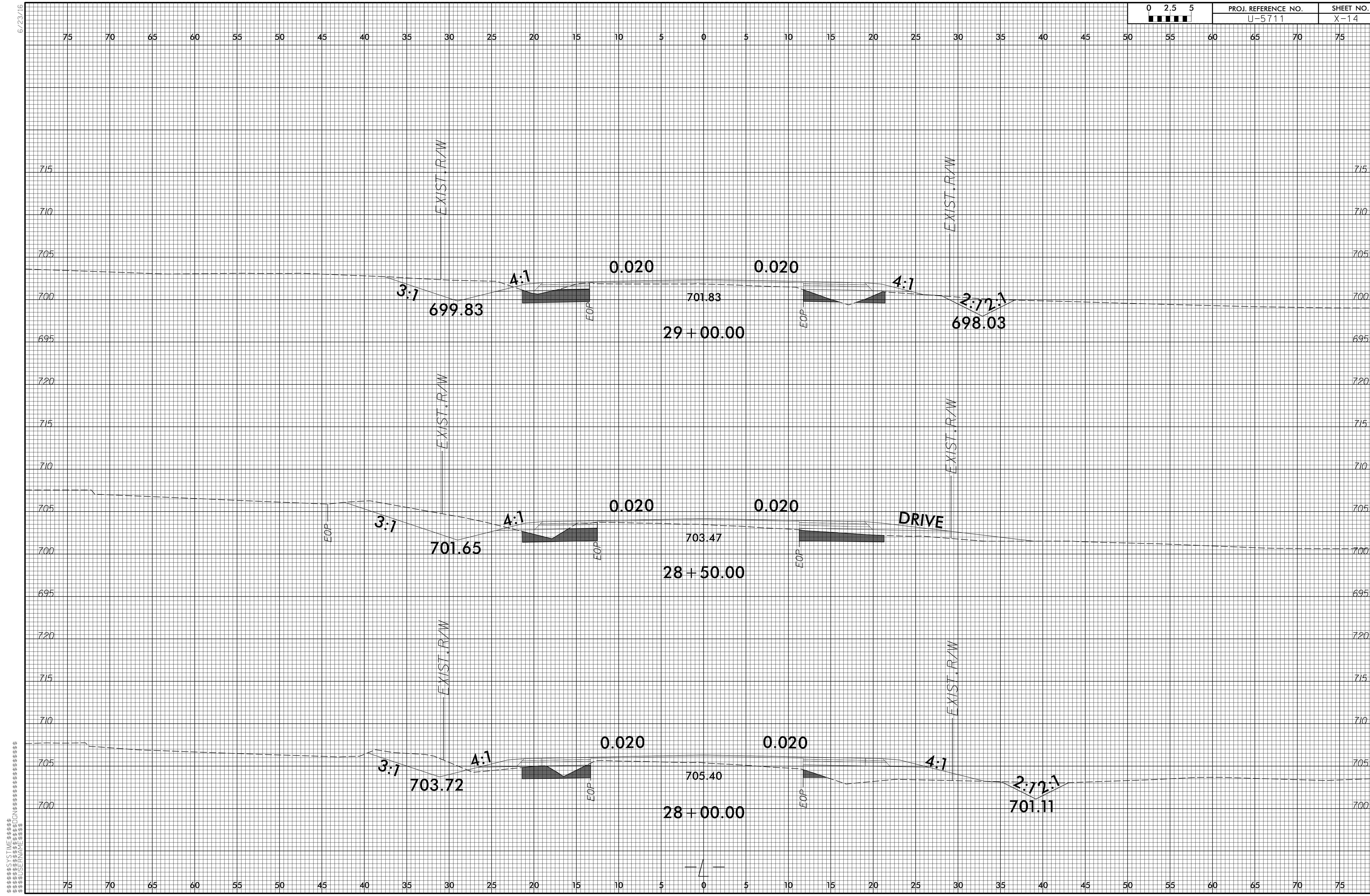
EOP EOP

26 + 50.00

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

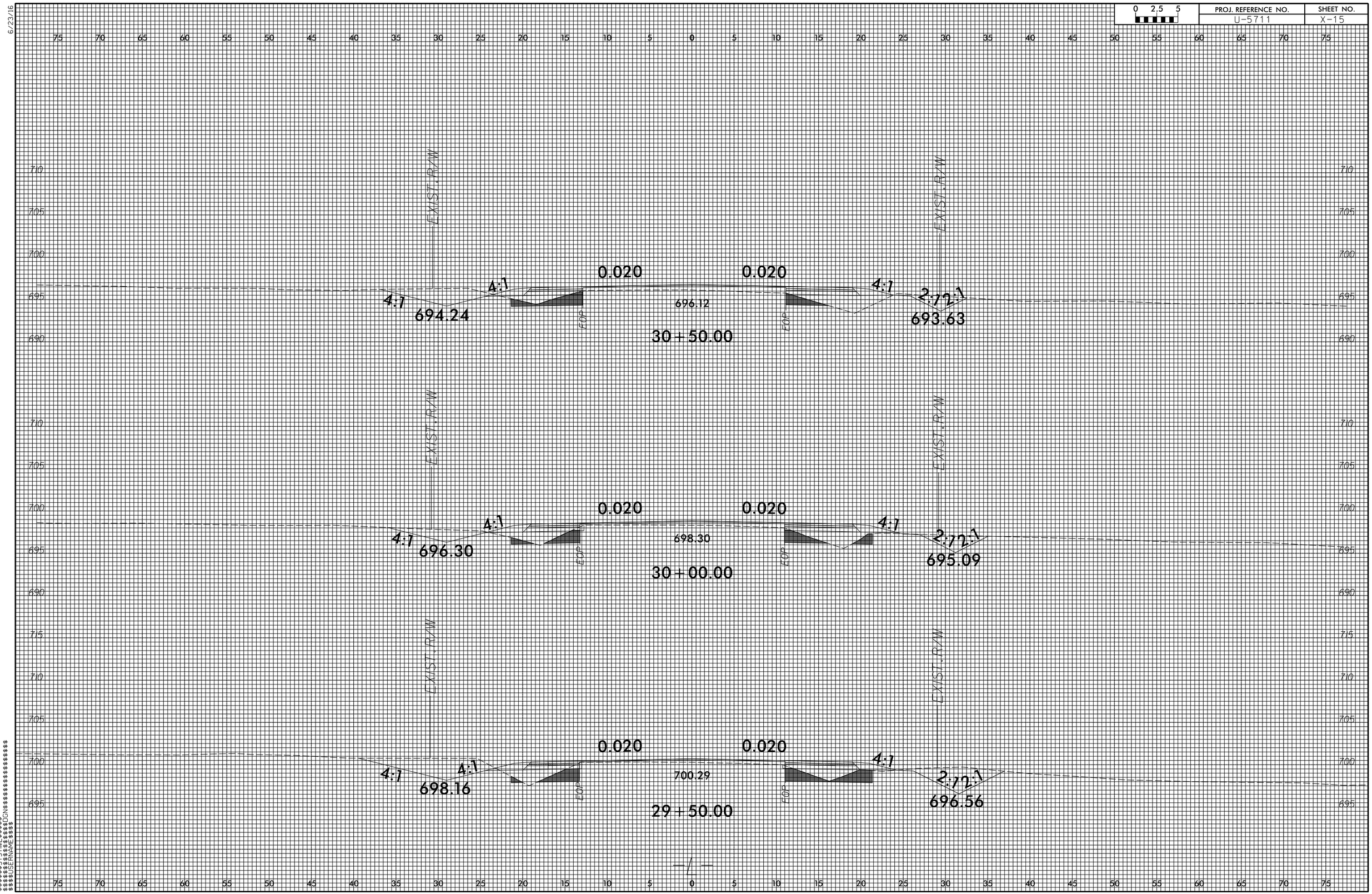
$$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-14



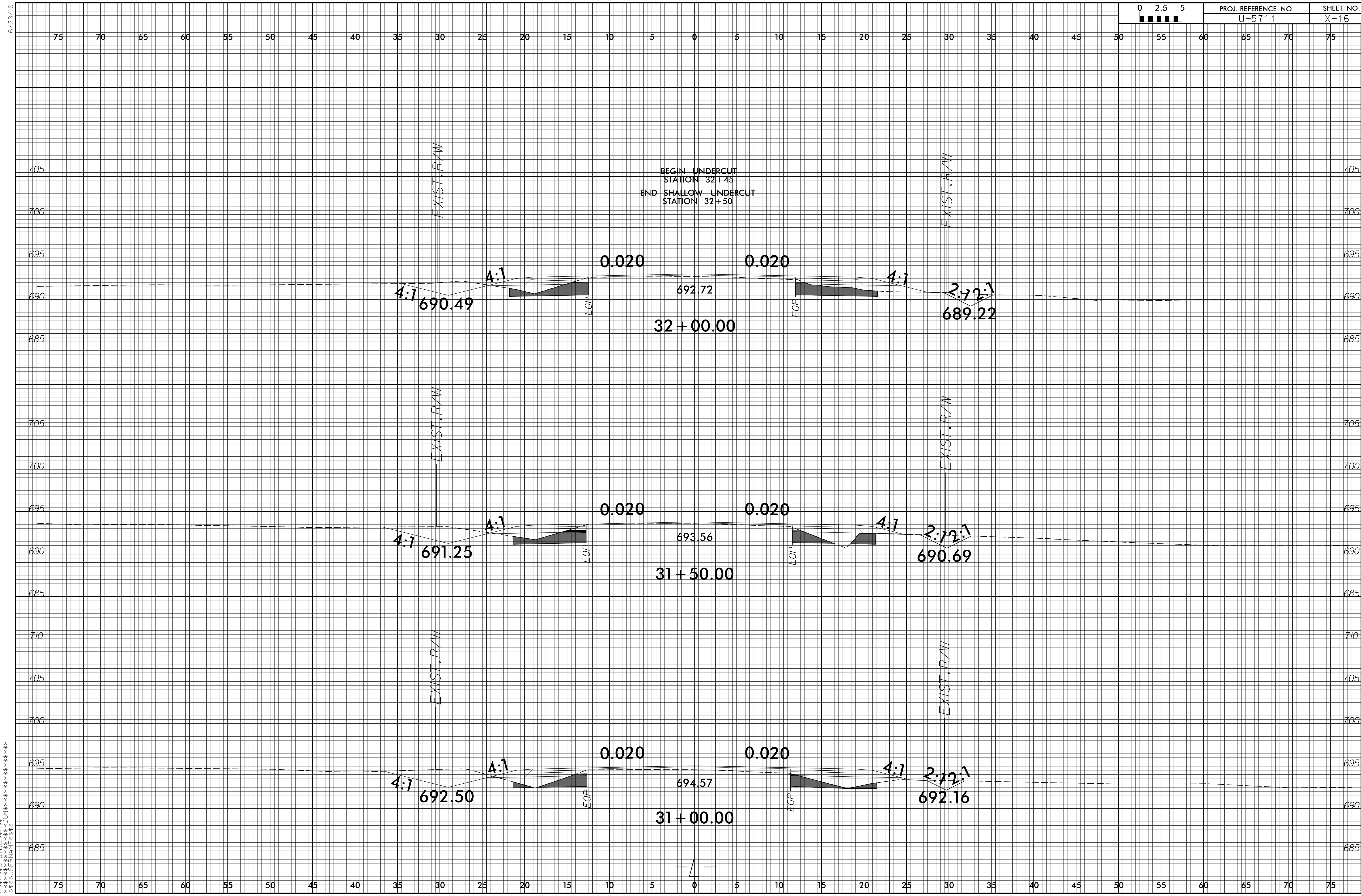
6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-15

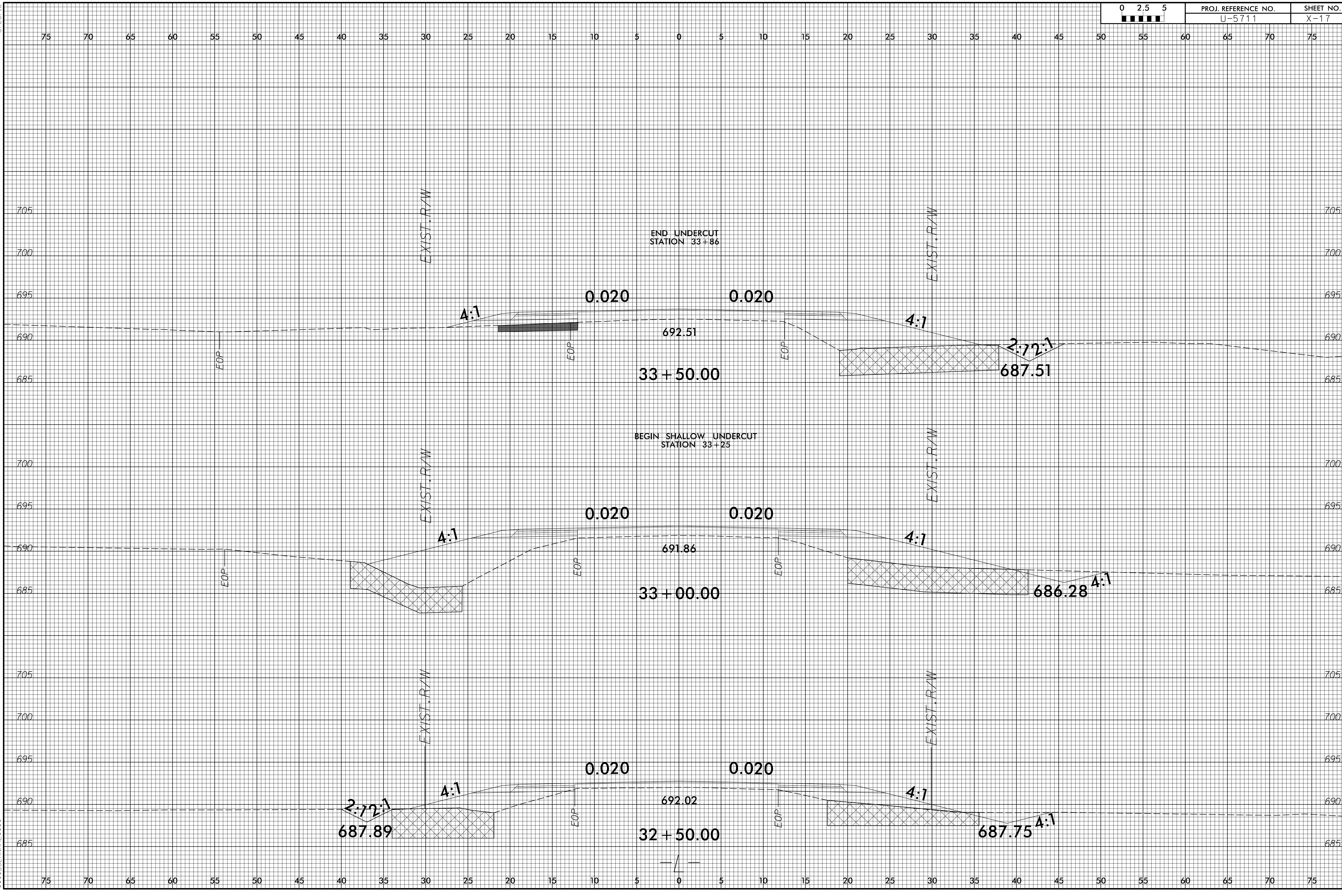


$$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$$$USERNAME$$$$

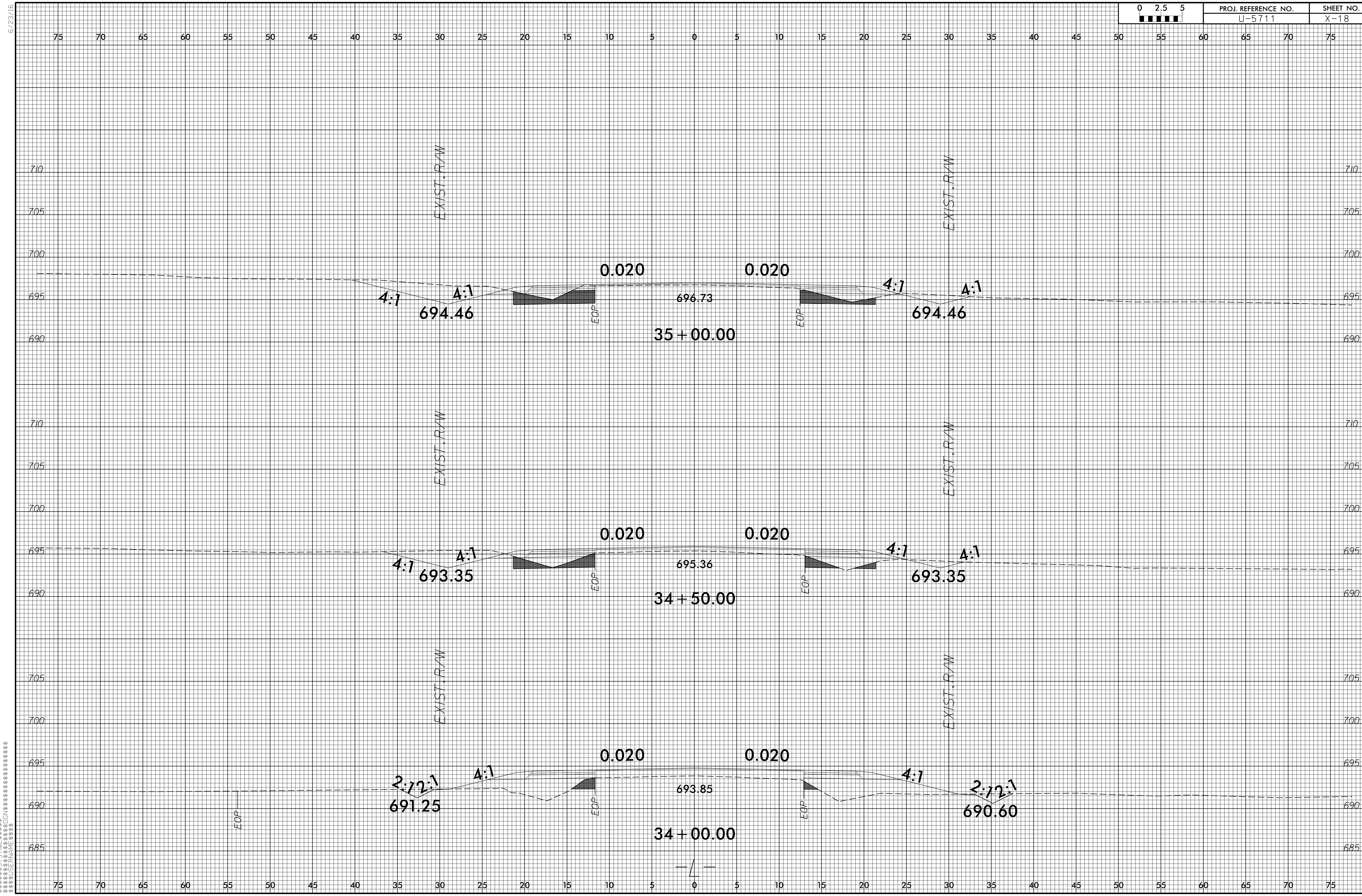
PROJ. REFERENCE NO.	SHEET NO.
U-5711	X-16



6/23/16



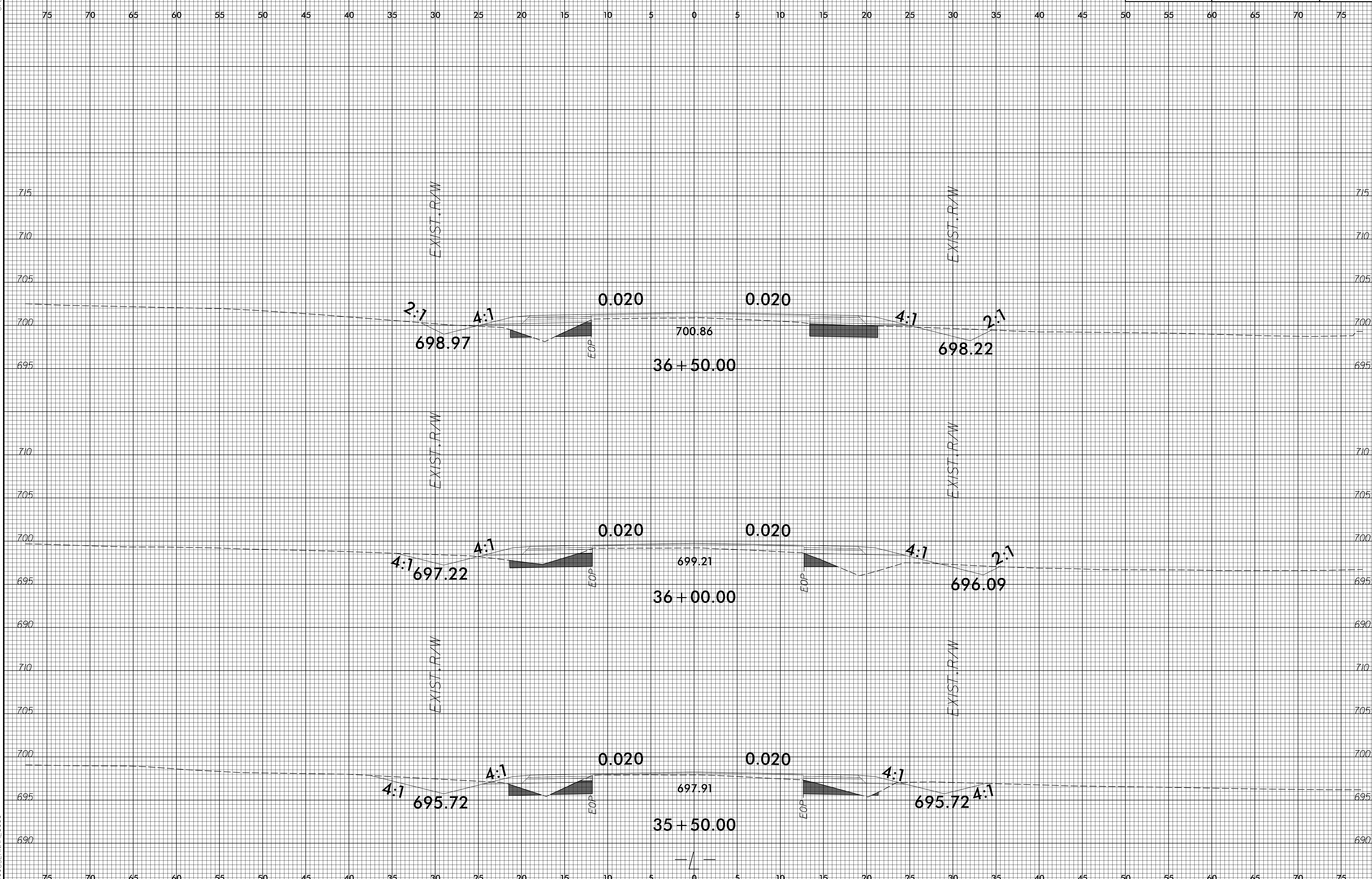
$$$$$SYSTIME$$$$
$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$



0 2.5 5
PROJ. REFERENCE NO.
U-5711
SHEET NO.
X-18
6/23/16
EXIST. R/W
0.020
4:1
694.46
696.73
EOP
35+00.00
693.35
695.36
34+50.00
2:1
691.25
693.85
690.60
34+00.00
$$$$$$SYSTIME$$$$
$$$$$$$$$DGN$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/23/16

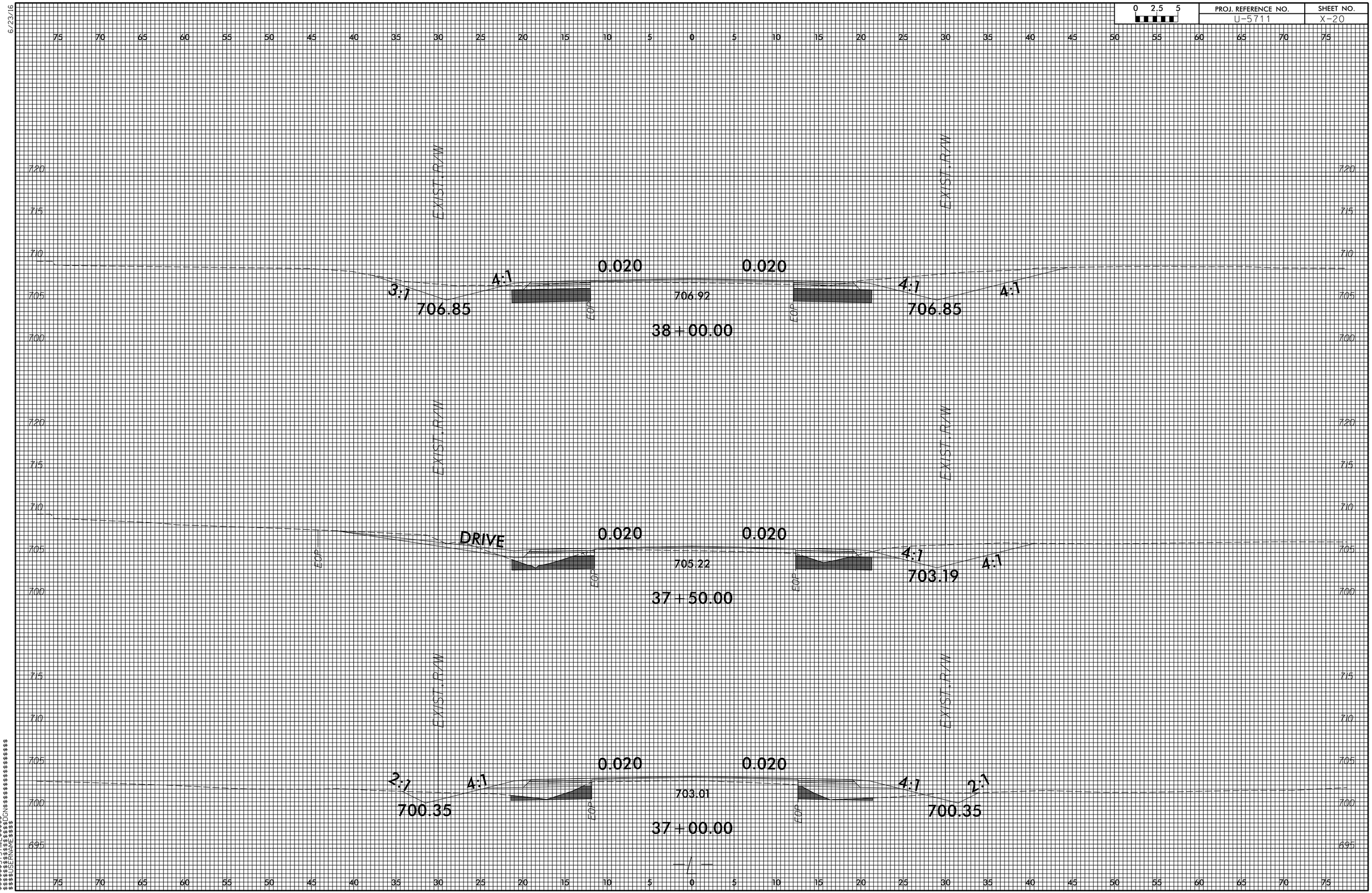
PROJ. REFERENCE NO.	SHEET NO.
U-5711	X-19



$$$$SYSTIME$$$$
$$$$DGN$$$$
$$$$USERNAME$$$$

6/23/16

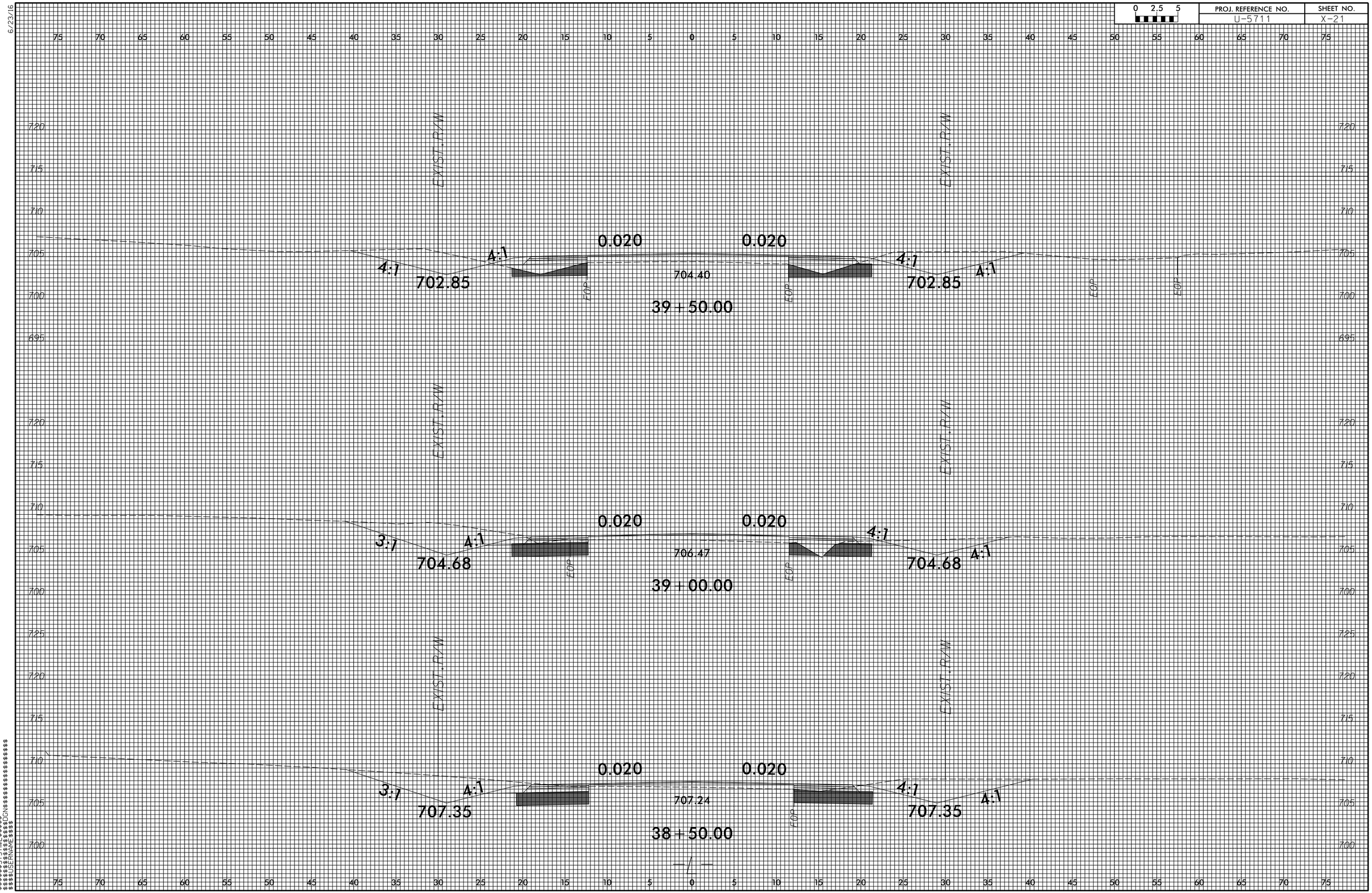
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-20



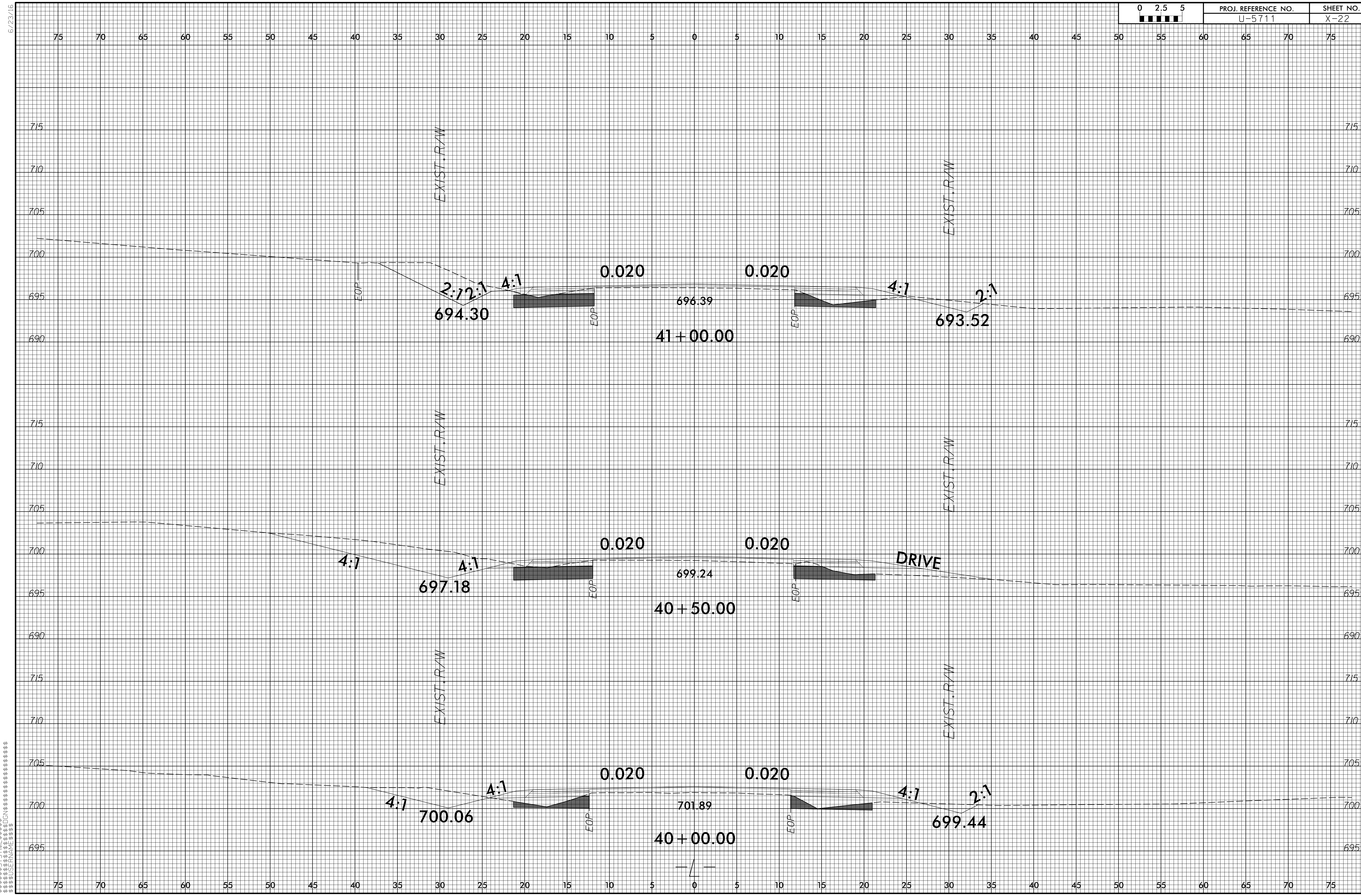
$$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-21



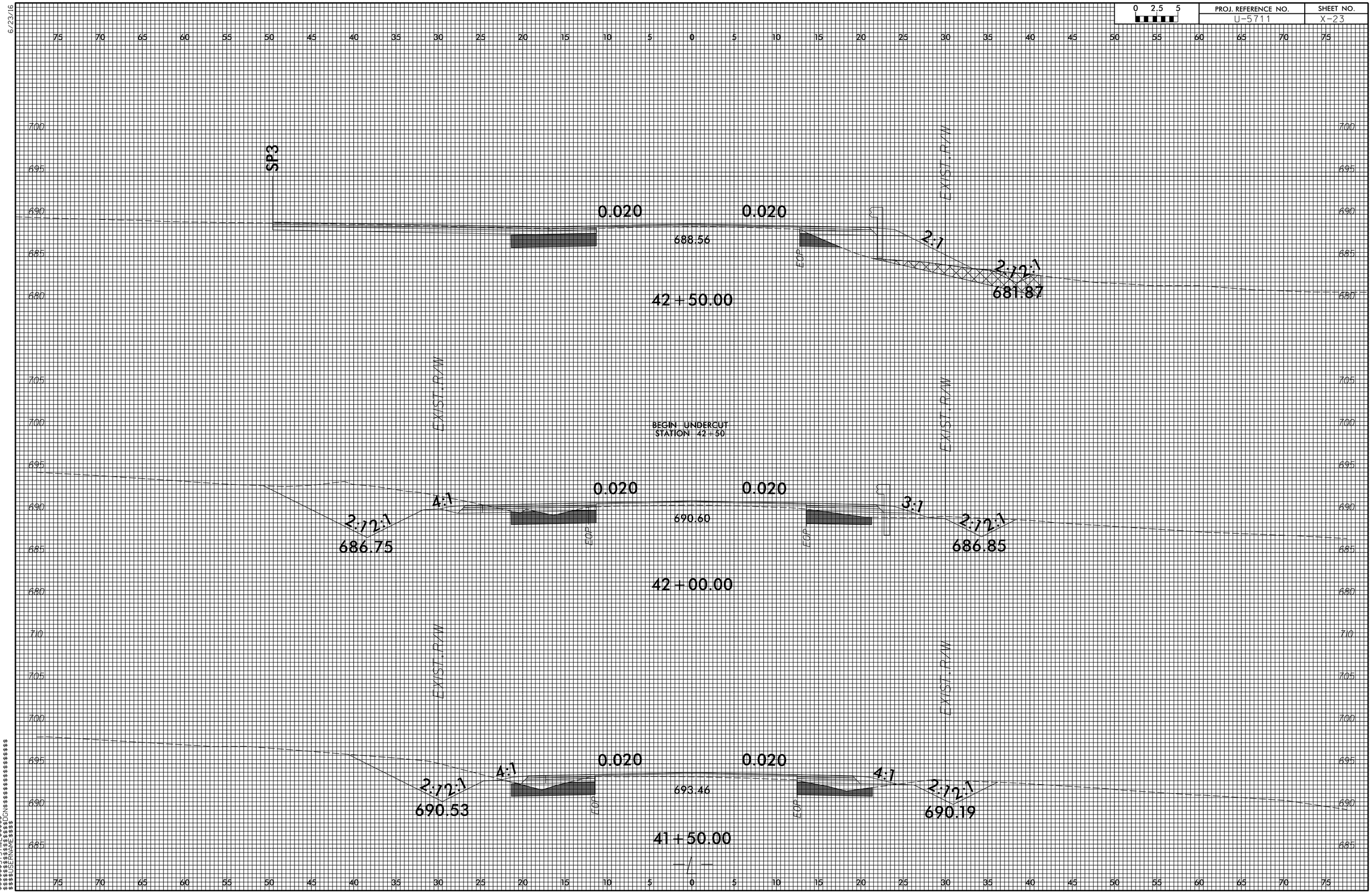
$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$



6/23/16
0 2.5 5
PROJ. REFERENCE NO.
U-5711
SHEET NO.
X-22
EXIST. R/W
EXIST. R/W
0.020
0.020
2:1
2:1
4:1
4:1
2:1
694.30
696.39
693.52
EOP
EOP
EOP
41 + 00.00
0.020
0.020
4:1
4:1
DRIVE
697.18
699.24
40 + 50.00
0.020
0.020
4:1
4:1
4:1
2:1
700.06
701.89
699.44
40 + 00.00
715
710
705
700
695
690
$$$$$$SYSTIME$$$$
$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$
$$$$$USERNAME$$$$

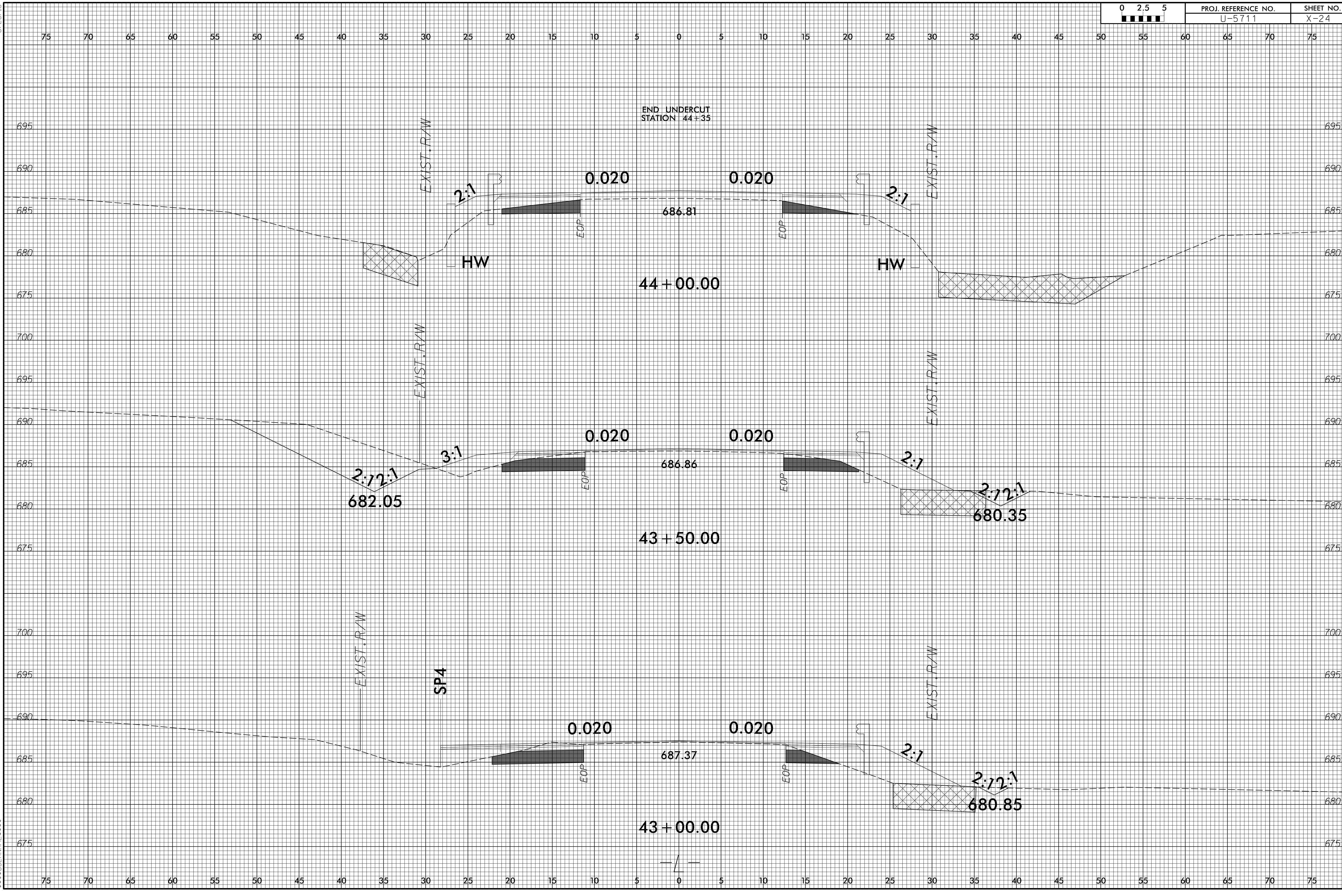
6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-23

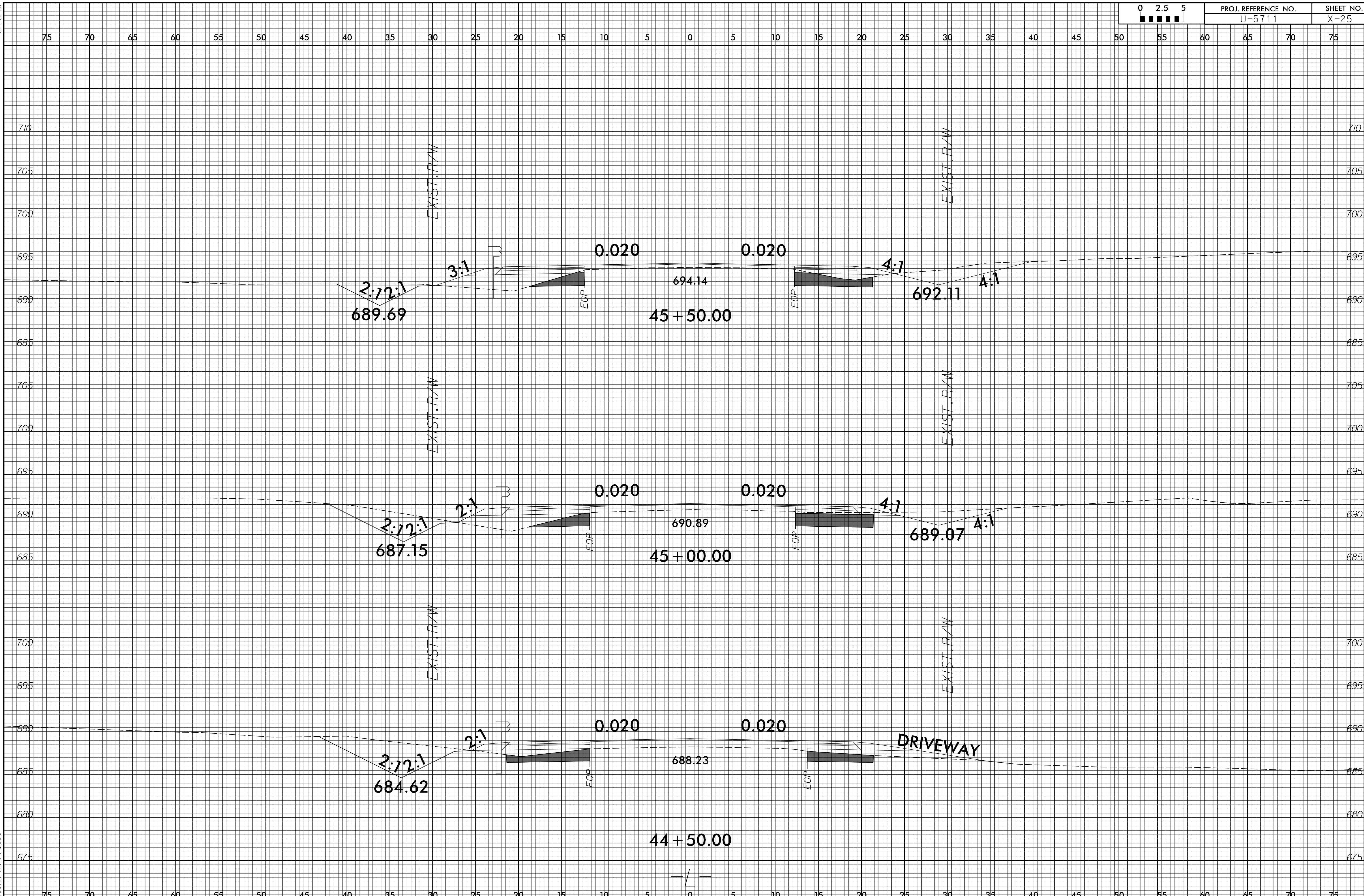


$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

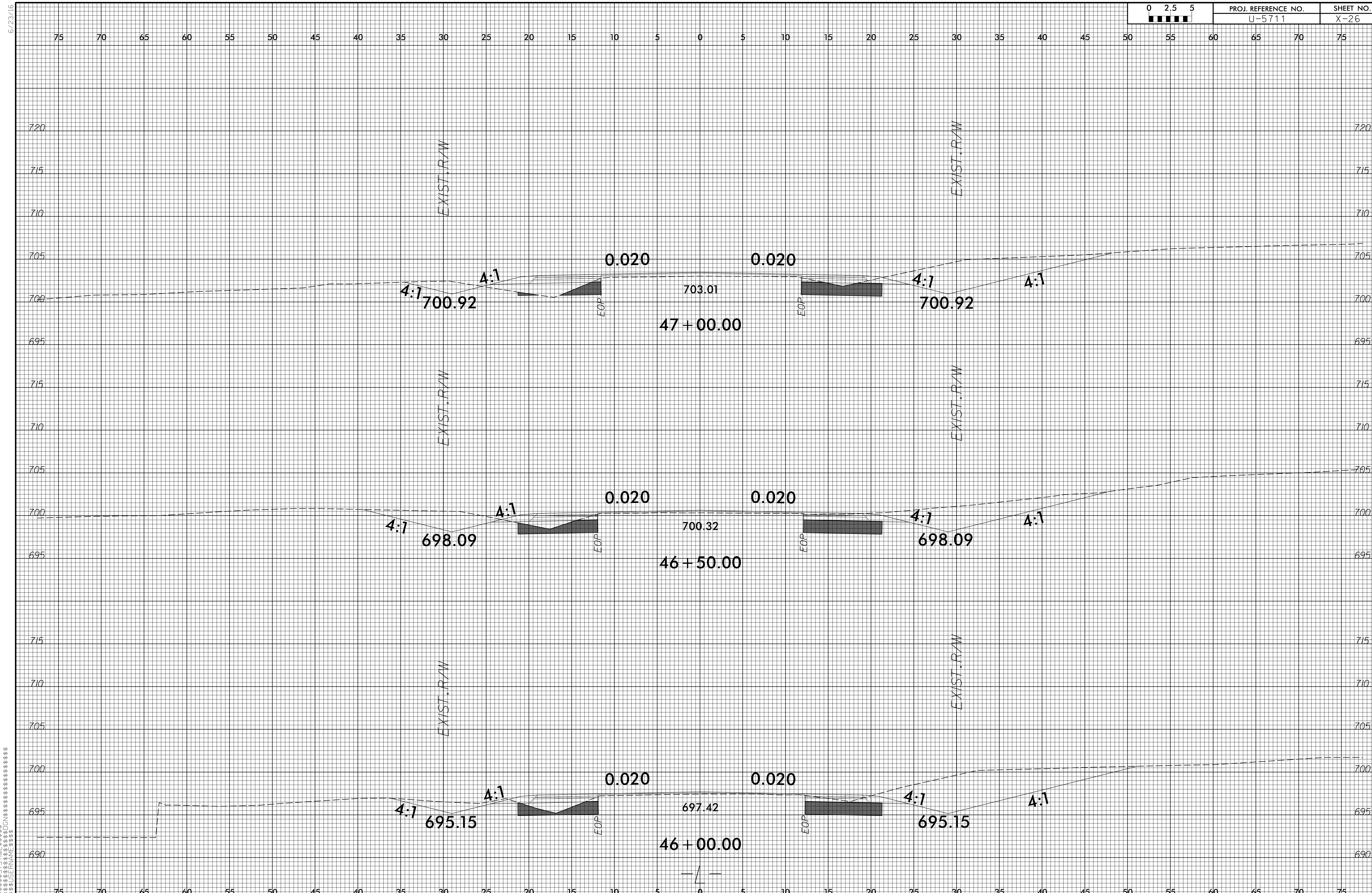
PROJ. REFERENCE NO.	SHEET NO.
U-5711	X-24



6/23/16

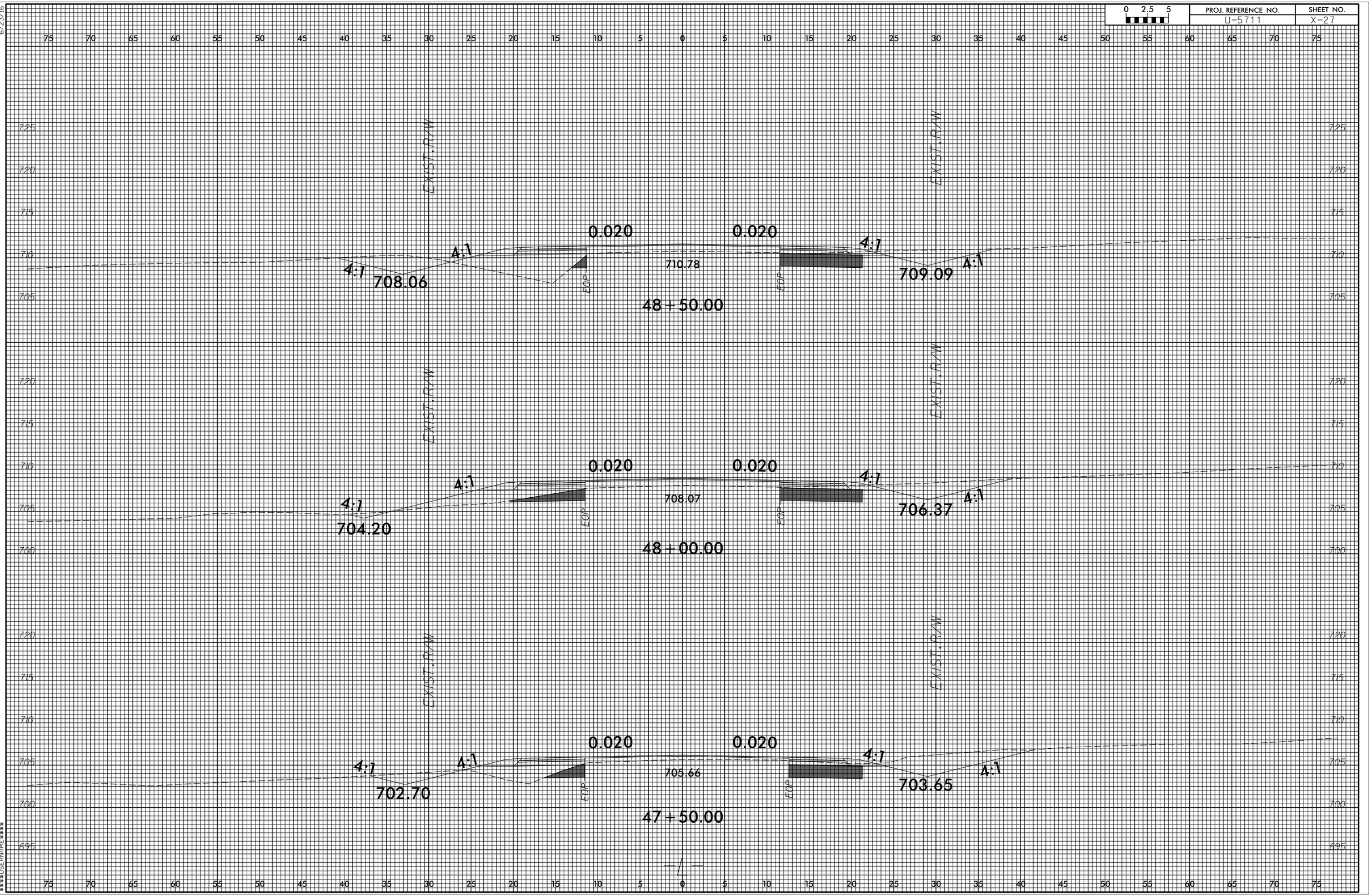


$$$$$SYSTIME$$$$
$$$$$$$$DGN$$$$$$$$$$$$$$$$$$
$$$$$USERNAME$$$$


0 2.5 5
PROJ. REFERENCE NO.
U-5711
SHEET NO.
X-26
6/23/16
EXIST. R/W
0.020
0.020
4:1
4:1
4:1
4:1
700.92
700.92
703.01
EOP
EOP
47 + 00.00
0.020
0.020
4:1
4:1
4:1
4:1
698.09
698.09
700.32
46 + 50.00
0.020
0.020
4:1
4:1
4:1
4:1
695.15
695.15
697.42
46 + 00.00
$$$$$$SYSTIME$$$$$
$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$$$USERNAME$$$$$

6/23/16

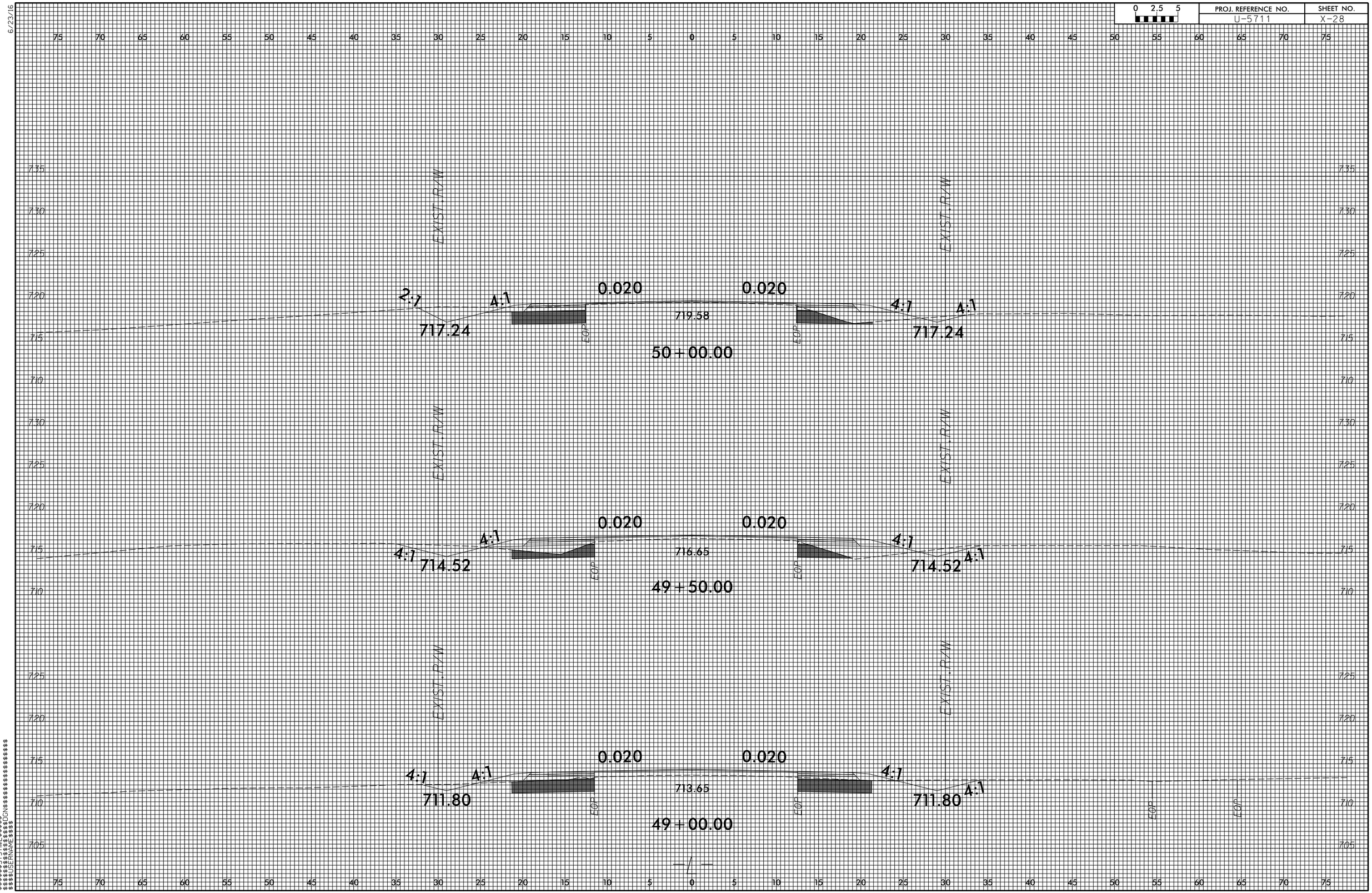
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-27



$$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/23/16

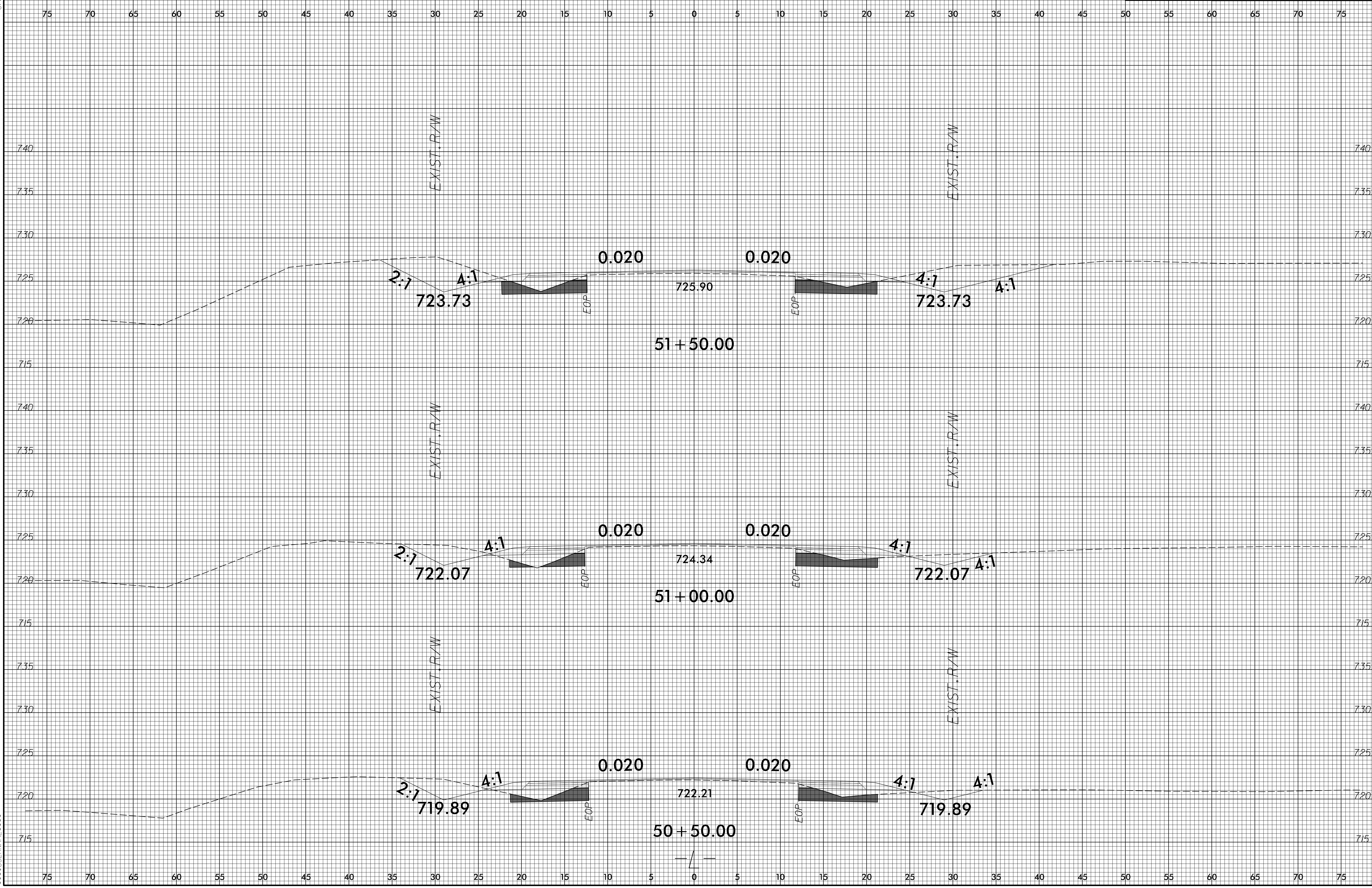
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-28



$$$$$$$$SYSTIME$$$$$$
$$$$$$$$USERNAME$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$

6/23/16

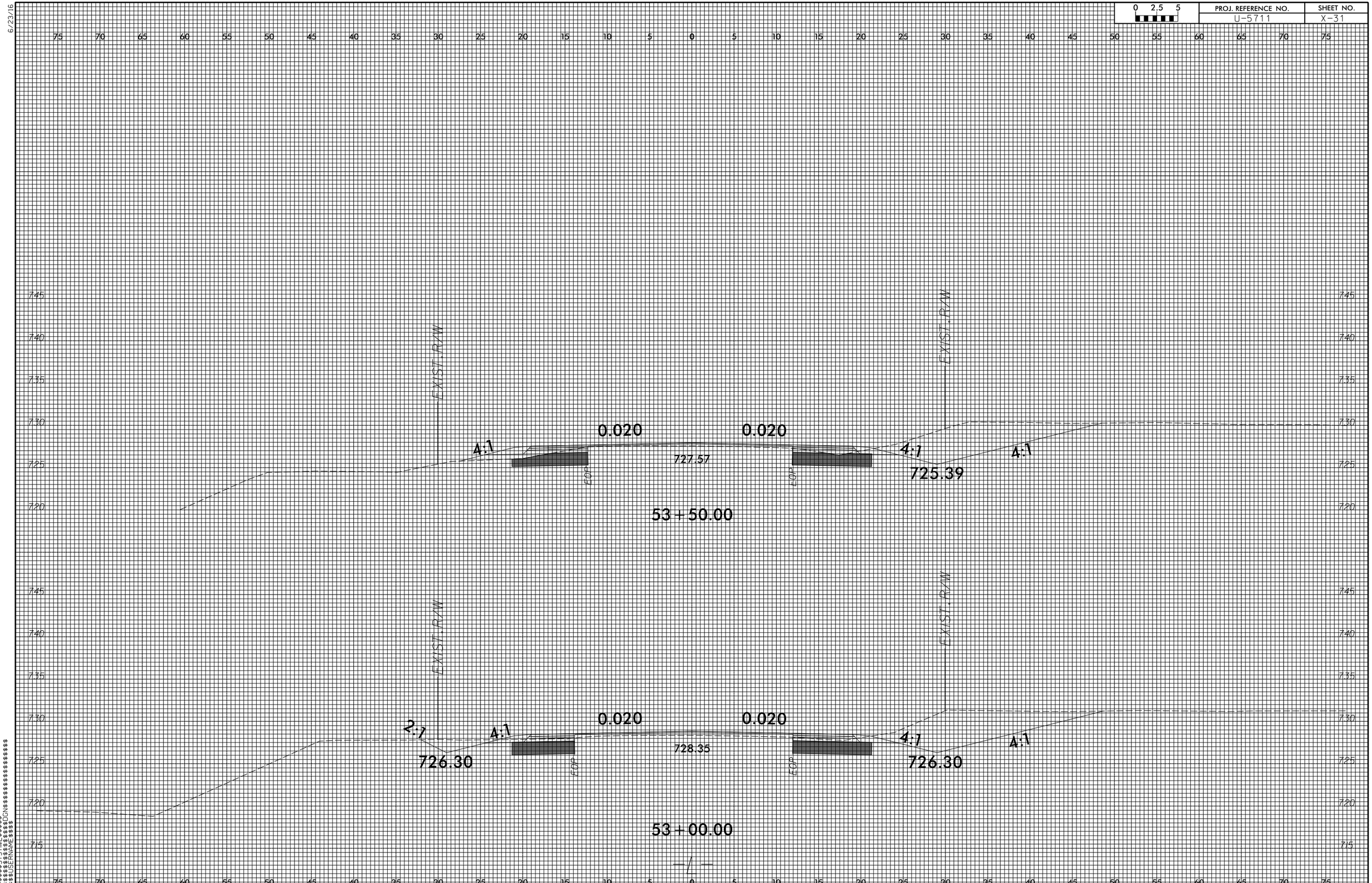
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-29



$$$$$$SYSTIME$$$$
$$$$$$$$$DGN$$$$$$$$$$$$$$$$
$$$$$USERNAME$$$$

PROJ. REFERENCE NO.	SHEET NO.
U-5711	X-30

0 2.5 5

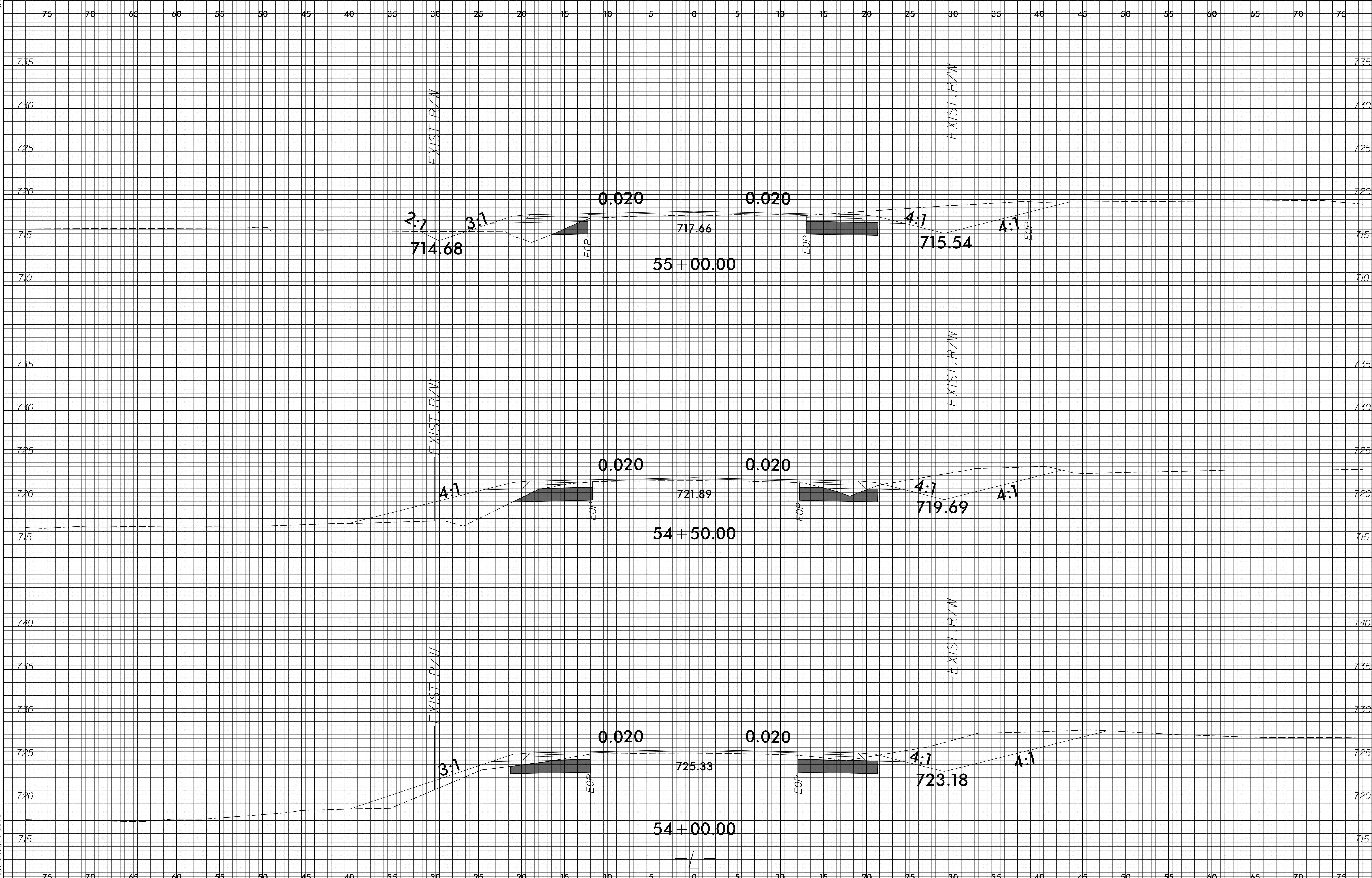


0 2.5 5
PROJ. REFERENCE NO.
U-5711
SHEET NO.
X-31
6/23/16
EXIST. R/W
EXIST. R/W
0.020
0.020
4:1
4:1
4:1
727.57
725.39
EOP
EOP
53+50.00
EXIST. R/W
EXIST. R/W
0.020
0.020
2:1
4:1
4:1
4:1
728.35
726.30
726.30
EOP
EOP
53+00.00

6/23/16

PROJ. REFERENCE NO.	SHEET NO.
U-5711	X-32

0 2.5 5

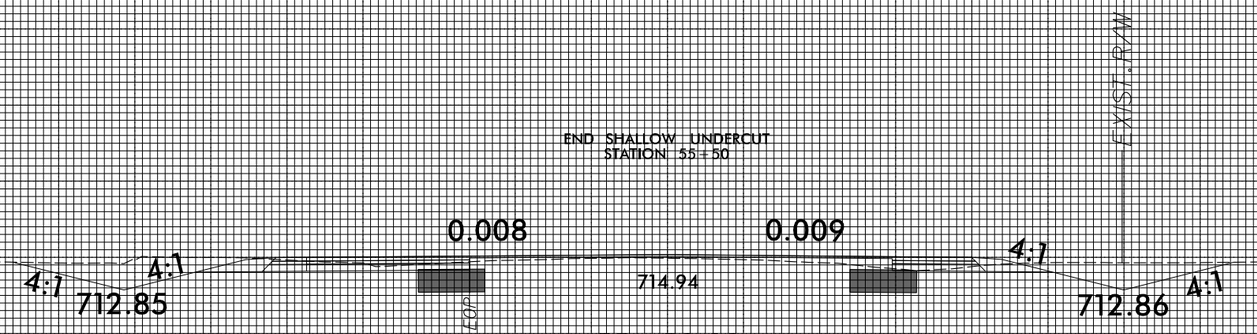


$$$$$$SYSTIME$$$$
$$$$$$$$$DGN$$$$$$$$$$$$$$$$$
$$$$$USERNAME$$$$

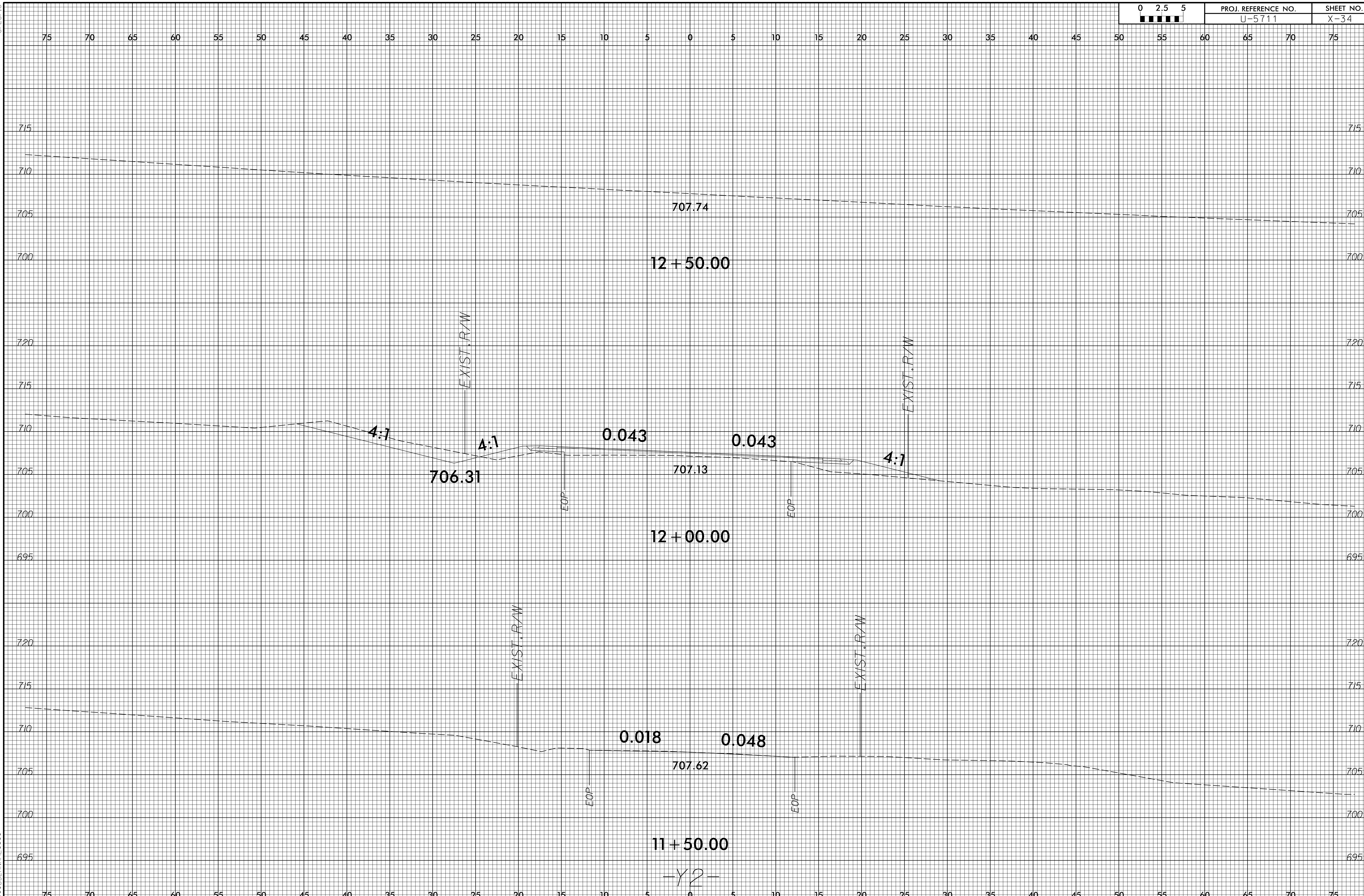
6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	U-5711	X-33

END SHALLOW UNDERCUT
STATION 55+50



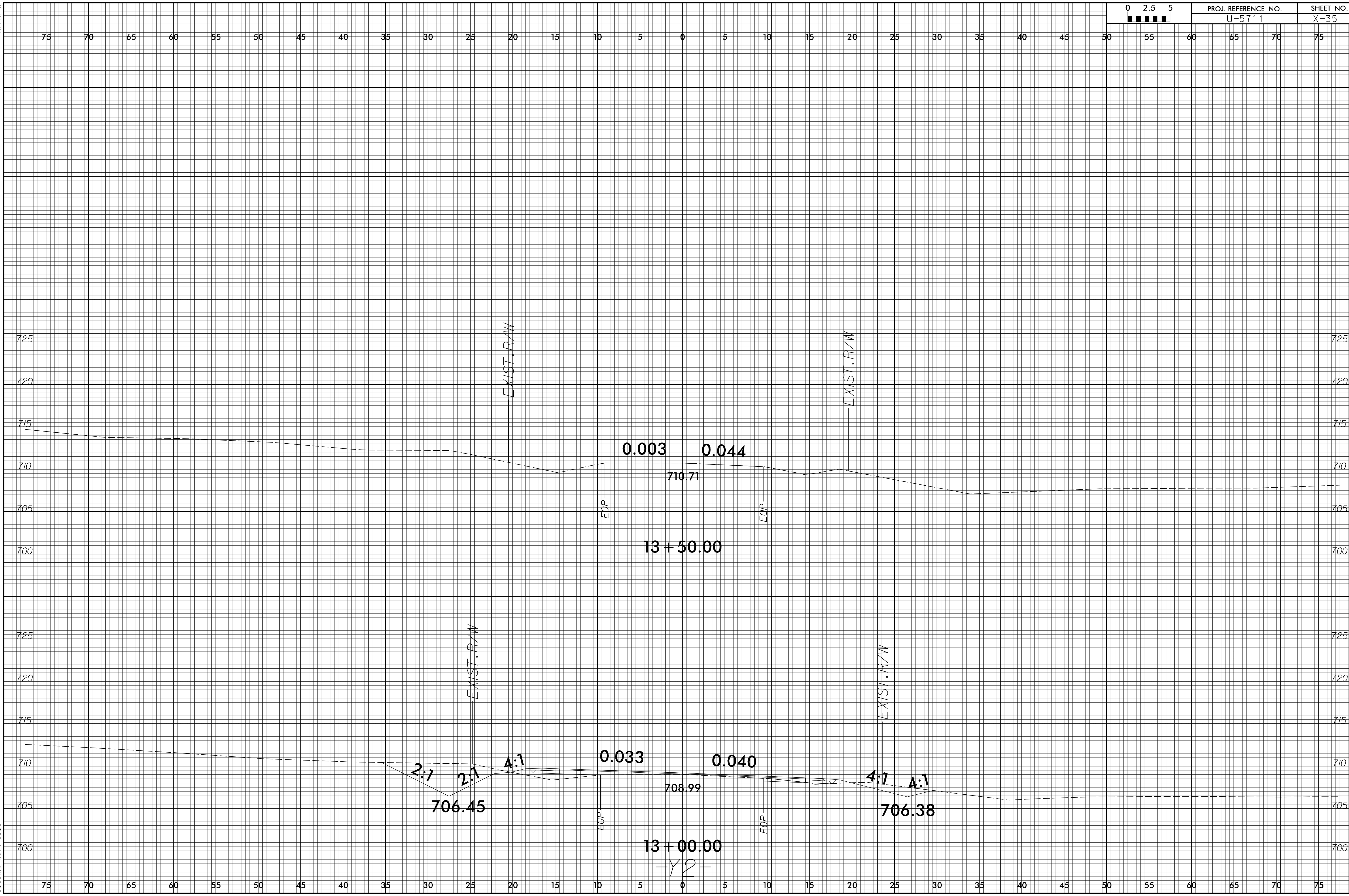
$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$



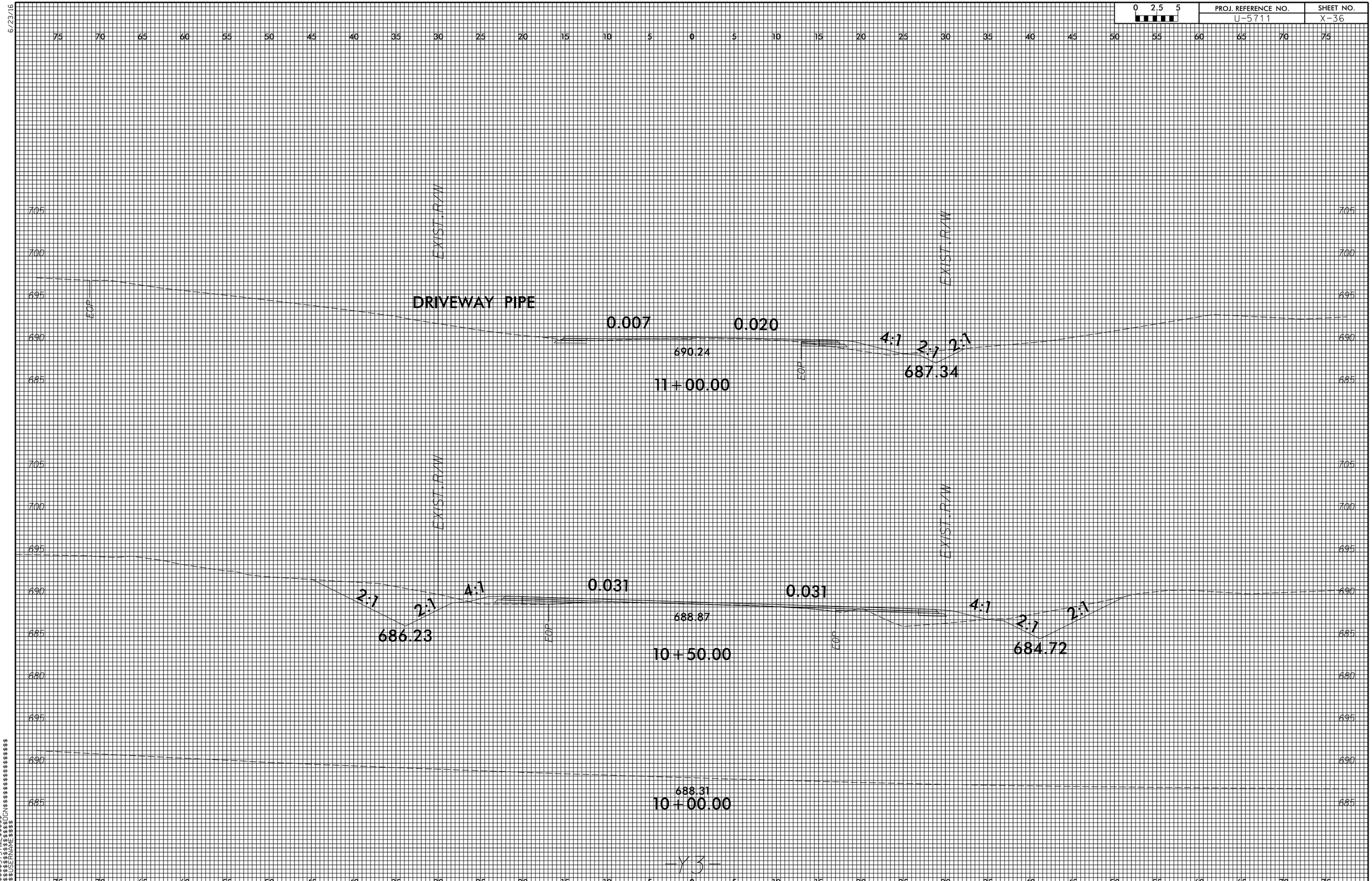
6/23/16
$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/23/16

PROJ. REFERENCE NO.	SHEET NO.
U-5711	X-35

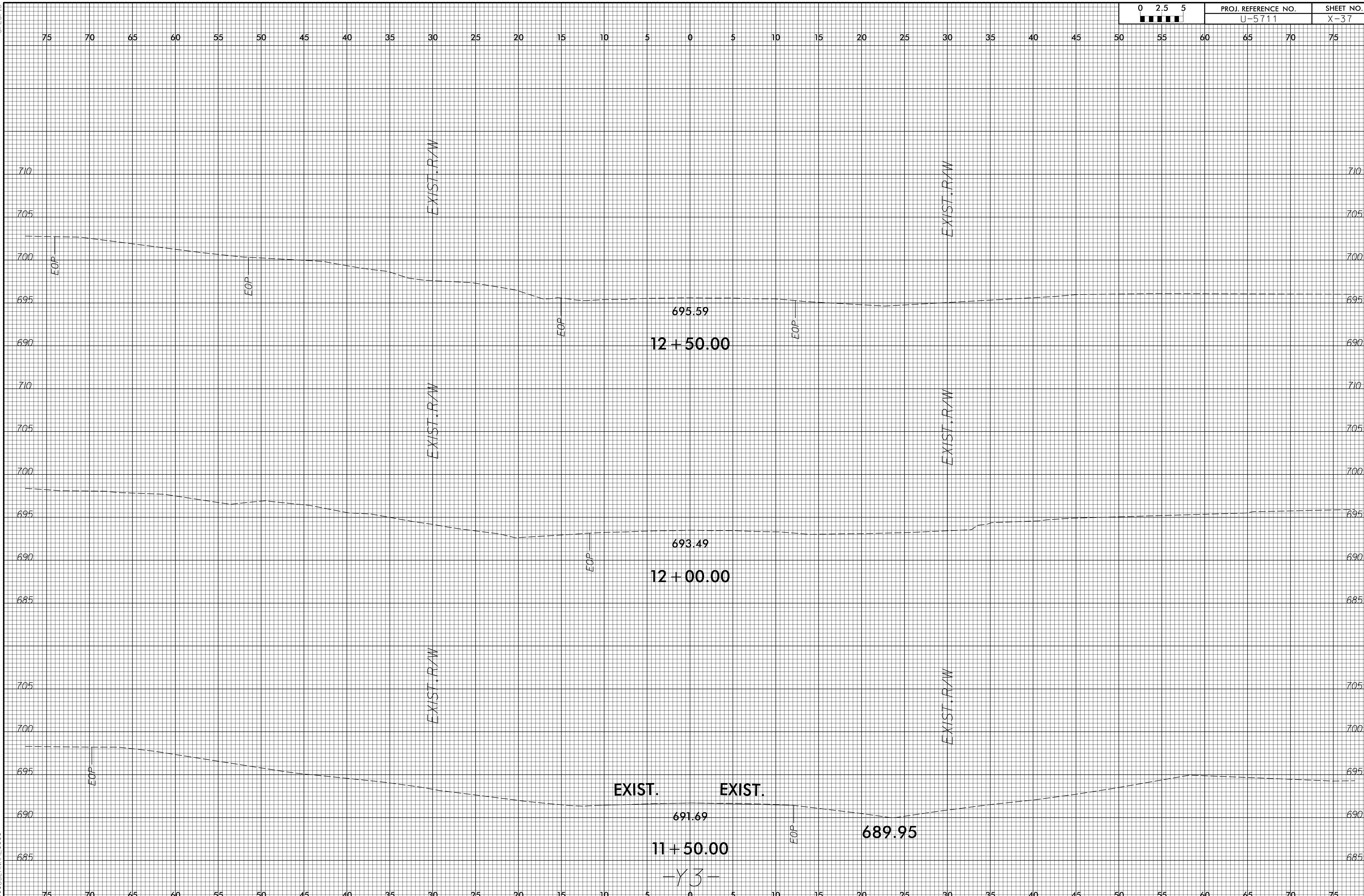


$$$$$$SYSTIME$$$$
$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$



0 2.5 5
PROJ. REFERENCE NO.
U-5711
SHEET NO.
X-36
6/23/16
EXIST. R/W
EXIST. R/W
DRIVEWAY PIPE
EOP
0.007
0.020
690.24
11+00.00
4:1
2:1
2:1
687.34
EXIST. R/W
EXIST. R/W
2:1
2:1
4:1
686.23
0.031
0.031
688.87
10+50.00
4:1
2:1
2:1
684.72
688.31
10+00.00
-Y3-

PROJ. REFERENCE NO.	SHEET NO.
U-5711	X-37



$$$$$$SYSTIME$$$$
$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$
$$$$$USERNAME$$$$