PROJ. REFERENCE NO.	SHEET NO.
NC-9	X-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

NOTE: EMBANKMENT COLUMN INCLUDES BACKFILL FOR UNDERCUT

Station L SITE 330	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
37+00.00	0	0
37+50.00	6	23
38+00.00	6	33
38+50.00	5	39
39+00.00	7	18
39+50.00	9	9
39+65.00	6	2
39+76.00	6	3
39+94.00	13	4
40+00.00	5	1
40+35.00	28	5
40+42.00	5	3
40+50.00	6	2
40+52.00	4	0
41+00.00	130	5
41+50.00	68	3
42+00.00	38	1
42+50.00	38	2
43+00.00	38	1
43+50.00	36	3
44+00.00	36	3
44+01.00	1	0
44+47.00	54	2
44+50.00	9	0
44+82.00	84	2
45+00.00	14	5
45+06.00	3	2
45+50.00	9	4
46+00.00	9	34
46+50.00	9	34
47+00.00	9	3

Station L SITE 331	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
47+00.00	0	0
47+50.00	9	1
48+00.00	9	3
48+21.00	4	1
48+33.00	2	0
48+41.00	13	0
48+50.00	16	0
48+71.00	8	0
48+85.00	3	0
48+93.00	2	0
49+00.00	1	0
49+17.00	3	1
49+22.00	2	1
49+50.00	18	16
49+72.00	15	16
49+90.00	11	8
50+00.00	9	3

Station L SITE 331	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
50+50.00	49	10
51+00.00	36	10
51+50.00	37	8
52+00.00	37	7
52+50.00	79	5
53+00.00	154	3
53+50.00	110	5
54+00.00	36	7
54+50.00	35	12
55+00.00	22	13
55+50.00	8	15
56+00.00	8	13
56+50.00	8	10
57+00.00	9	6

Station L SITE 332	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
57+00.00	0	0
57+50.00	9	73
58+00.00	9	75
58+50.00	9	3
59+00.00	41	1
59+50.00	87	1
60+00.00	85	1
60+42.00	51	0
60+50.00	9	7
61+00.00	46	44
61+50.00	33	0
62+00.00	28	0
62+50.00	20	1
63+00.00	18	1
63+50.00	28	0
64+00.00	22	0
64+50.00	12	1
65+00.00	29	1
65+50.00	41	1
65+62.00	8	0
66+00.00	36	18
66+30.00	35	20
66+42.00	12	3
66+50.00	6	1
67+00.00	16	5
67+50.00	9	5
68+00.00	11	53
68+50.00	39	87
68+89.00	50	29
69+00.00	14	0

Station L SITE 333	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
69+00.00	0	0
69+50.00	91	6
69+69.00	41	6
70+00.00	61	27
70+50.00	125	34
71+00.00	161	0
71+50.00	107	0
71+60.00	9	0
72+00.00	36	1
72+50.00	28	0
73+00.00	37	0
73+50.00	44	0
74+00.00	15	1

Station L SITE 334	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
74+00.00	0	0
74+50.00	8	2
75+00.00	8	2
75+50.00	9	3
75+83.00	18	10
75+98.00	13	10
76+00.00	3	2
76+50.00	83	45
77+00.00	72	44
77+50.00	63	45
77+68.00	21	17
78+00.00	22	27
78+50.00	9	37
79+00.00	3	25
79+47.00	0	27
79+50.00	0	2
79+96.00	3	101
80+00.00	0	17
80+50.00	13	130
81+00.00	34	17
81+32.00	31	13
81+50.00	18	6
81+68.00	16	6
81+95.00	192	9
82+00.00	65	1
82+37.00	396	13
82+50.00	105	6
83+00.00	565	22
83+50.00	546	12
83+52.00	12	0
84+00.00	1389	1
84+50.00	2699	29
84+76.00	1405	16
85+00.00	984	1
85+50.00	752	3

Station L SITE 334	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
86+00.00	27	3
86+32.00	27	2
86+50.00	18	8
86+75.00	16	14
87+00.00	10	26
87+15.00	3	18
87+50.00	6	13
88+00.00	9	5
88+50.00	9	2
89+00.00	9	15
89+11.00	4	6
89+50.00	26	18
89+85.00	23	14
90+00.00	5	5
90+21.00	4	5
90+50.00	16	32
90+70.00	19	22
91+00.00	36	0

Station L SITE 560	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
91+00.00	0	0
91+50.00	70	0
92+00.00	74	1
92+50.00	65	1
93+00.00	65	0
93+50.00	60	1
94+00.00	47	2
94+50.00	47	2
95+00.00	47	2
95+50.00	47	3
96+00.00	69	2
96+41.00	70	2
96+50.00	14	1
97+00.00	79	13
97+36.00	55	11
97+50.00	17	2
98+00.00	51	5
98+50.00	51	8
98+75.00	31	8
99+00.00	37	8
99+50.00	80	8
100+00.00	80	15
100+50.00	85	19
100+75.00	45	7
101+00.00	34	4
101+28.00	28	2
101+50.00	21	2
102+00.00	48	11
102+50.00	47	13
102+66.05	15	3

Note: Earthwork quantities are calculated by the roadway designer. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

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

Station L SITE 560	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
103+00.00	31	2
103+50.00	48	0
104+00.00	49	0
104+50.00	47	1
105+00.00	46	1
105+50.00	47	2
106+00.00	47	1
106+50.00	48	1
107+00.00	47	4
107+50.00	47	13
107+67.00	16	3
108+00.00	31	0
108+50.00	48	1
109+00.00	48	2
109+50.00	50	2
110+00.00	54	1
110+50.00	55	1
111+00.00	53	1
111+50.00	50	2
112+00.00	52	3
112+09.00	10	1
112+50.00	43	3
112+72.41	24	1
112+94.80	24	0
113+00.00	5	0
113+27.00	29	0
113+50.00	23	0

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-2

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 50 55

1655 1650 1645 1640 1635 1630 1625 1620 1615 1610 1605 1600 1595 1590 1585 1580 1575 1570 1565 1560

2:1

3:1

1607.27

37+00.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-3

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 50 55

1660 1655 1650 1645 1640 1635 1630 1625 1620 1615 1610 1605 1600 1595 1590 1585 1580 1575 1570 1565

2:1

3:1

1611.36

37+50.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-4

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 50 55

1665 1660 1655 1650 1645 1640 1635 1630 1625 1620 1615 1610 1605 1600 1595 1590 1585 1580 1575 1570

1615.47

3:1

38+00.00

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6/16/2025
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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-5

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 50 55

1670
1665
1660
1655
1650
1645
1640
1635
1630
1625
1620
1615
1610
1605
1600
1595
1590
1585
1580
1575

2:1

3:1

1619.51

38+50.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-6

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 50 55

1675 1670 1665 1660 1655 1650 1645 1640 1635 1630 1625 1620 1615 1610 1605 1600 1595 1590 1585 1580

2:1

3:1

1623.68

39+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-7

1680 1675 1670 1665 1660 1655 1650 1645 1640 1635 1630 1625 1620 1615 1610 1605 1600 1595 1590 1585

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 50 55

1627.56

2:1

39+50.00

6/6/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L.xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-8

BARRIER

0.02

1628.75

2:1

GEOCELLS

39+65.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-9

BARRIER

0.02

1629.68

2:1

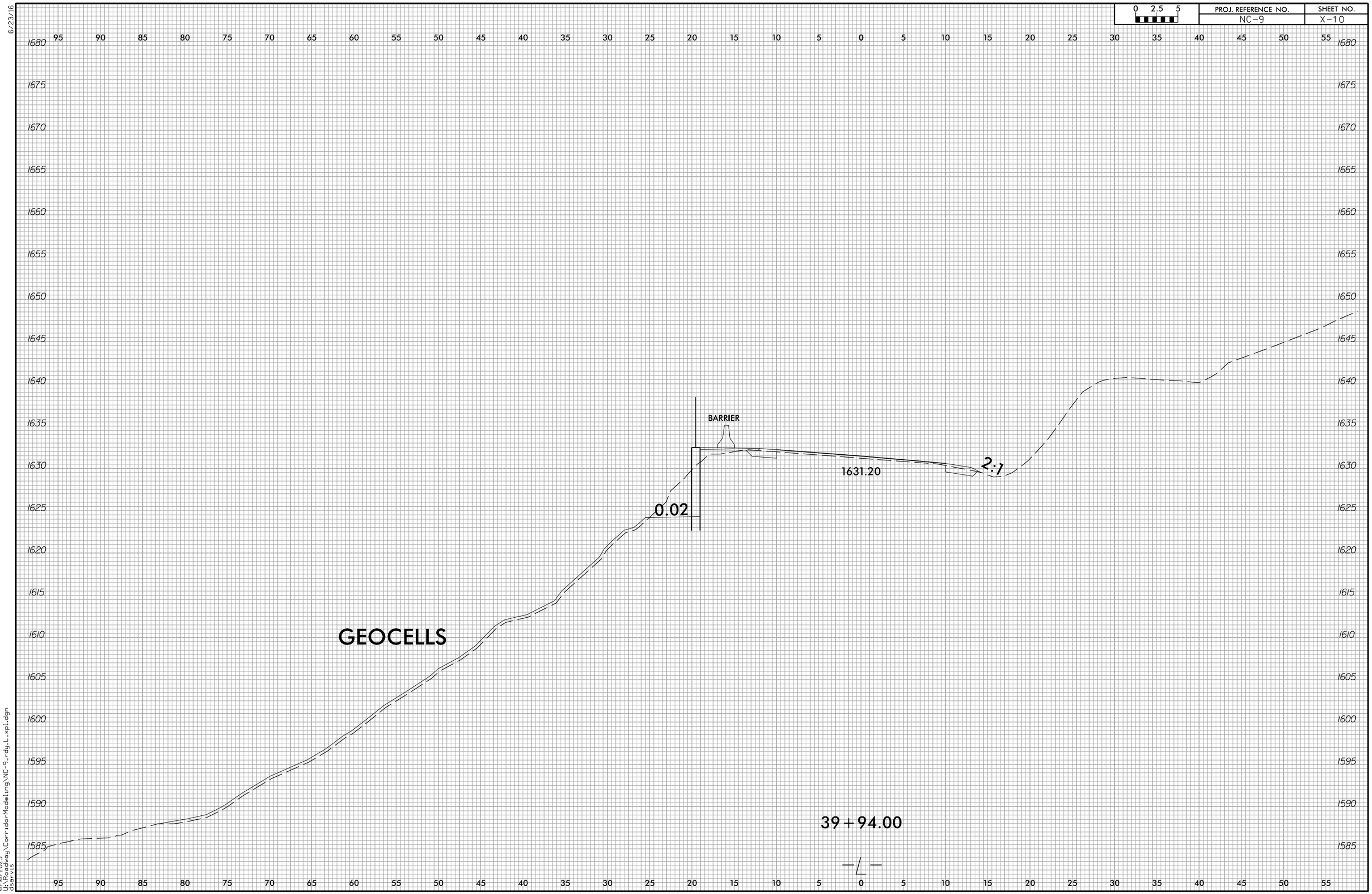
GEOCELLS

39+76.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-10



6/16/2025
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dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-11

FENCE

BARRIER

0.073

0.073

2:1

1631.70

EX GR

AGGREGATE BENCH PROTECTION

0.02

GEOCELLS

40+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-12

FENCE

BARRIER

0.080

0.080

2:1

1634.49

EX GR

AGGREGATE BENCH PROTECTION

GEOCELLS

40+35.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-13

FENCE

BARRIER

0.080

0.080

2:1

1635.06

EX GR

AGGREGATE BENCH PROTECTION

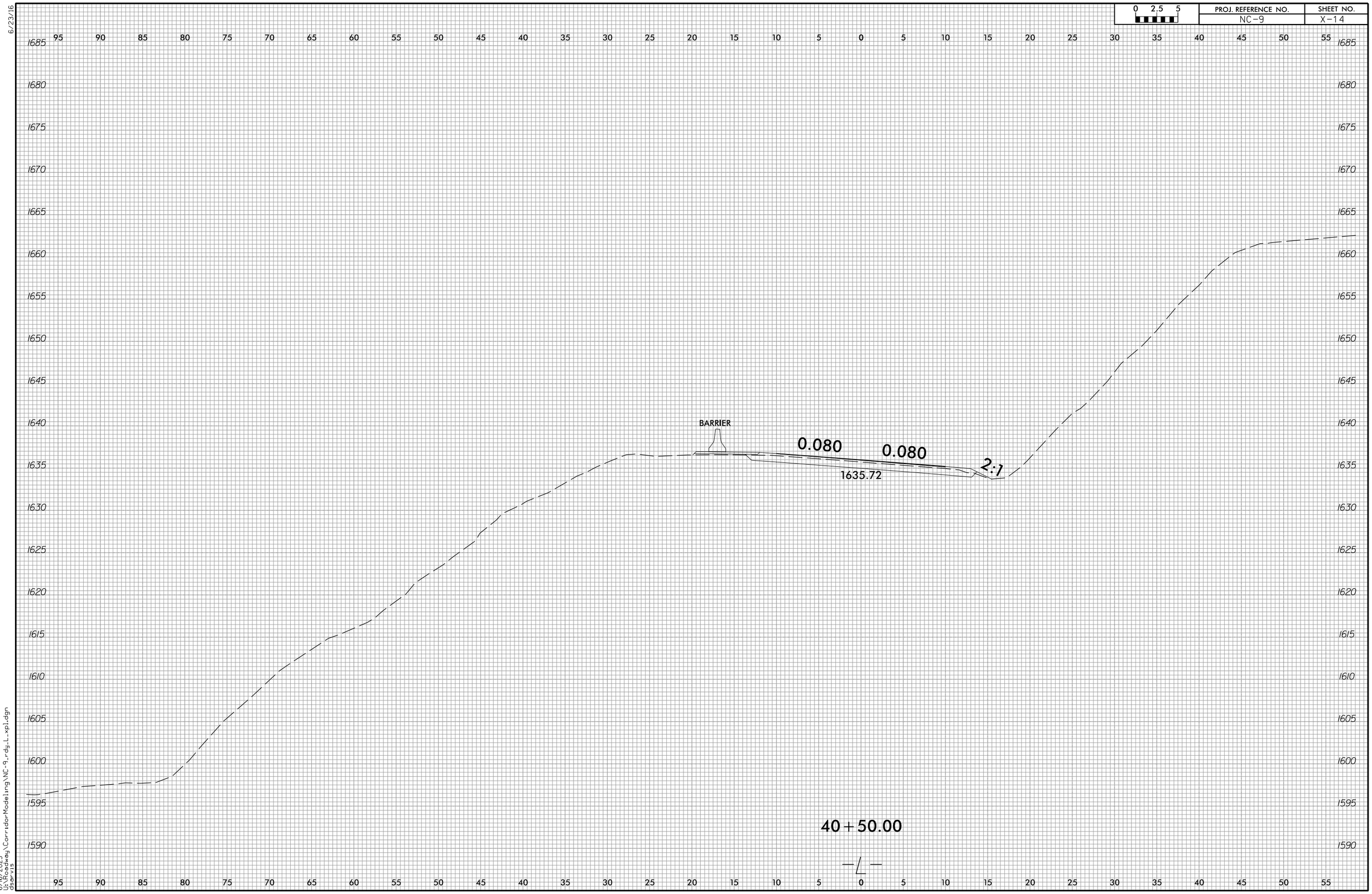
GEOCELLS

40+42.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-14



6/16/2025
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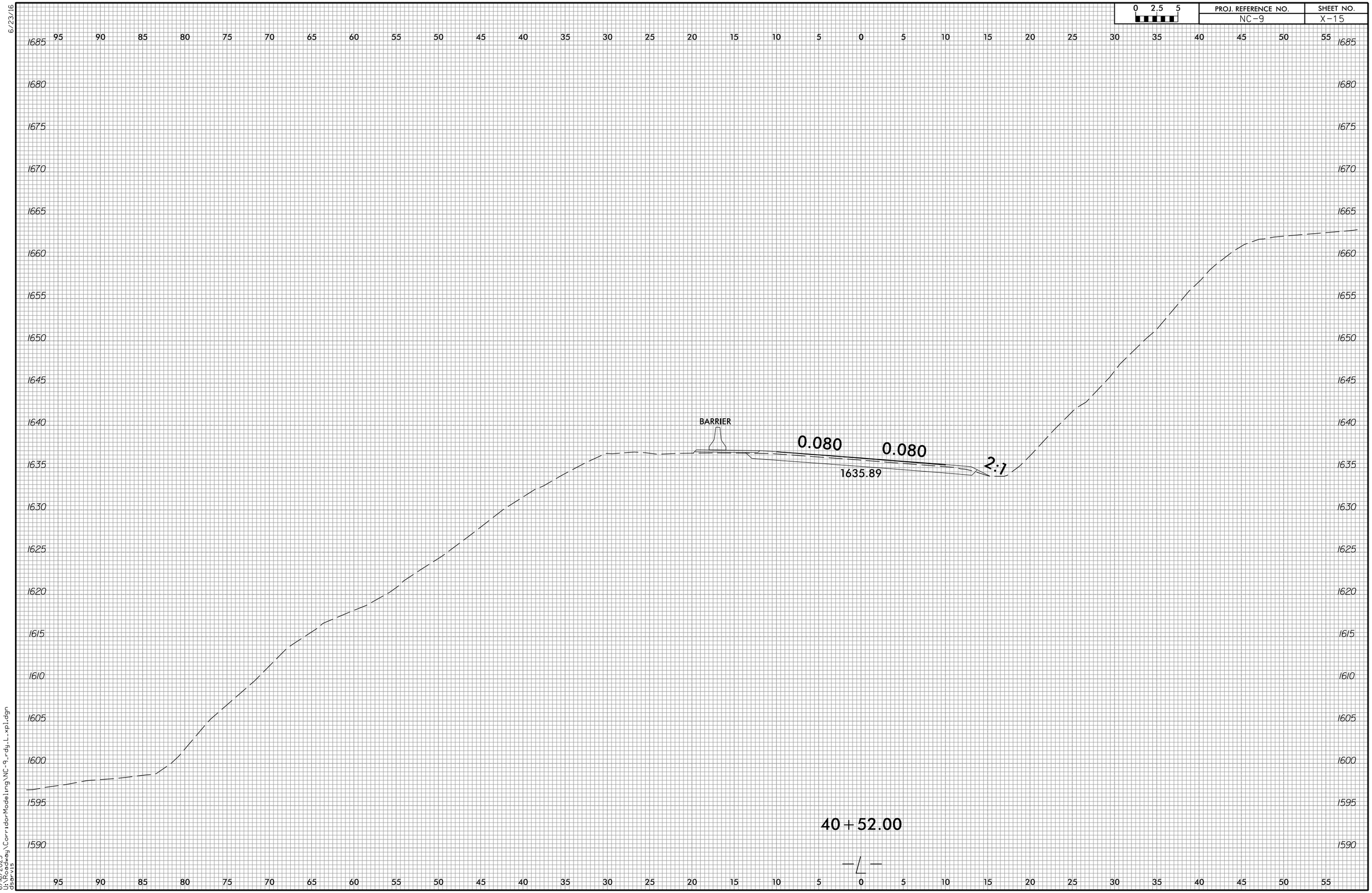
dsarvis



6/23/16

6/16/2025
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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-16

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 50 55

1690 1685 1680 1675 1670 1665 1660 1655 1650 1645 1640 1635 1630 1625 1620 1615 1610 1605 1600 1595

2:1

0.080

0.080

2:1

1639.73

41+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

PROJ. REFERENCE NO.	SHEET NO.
NC-9	X-17

0 2.5 5

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 50 55

1695 1690 1685 1680 1675 1670 1665 1660 1655 1650 1645 1640 1635 1630 1625 1620 1615 1610 1605 1600

2:1

0.066

0.066

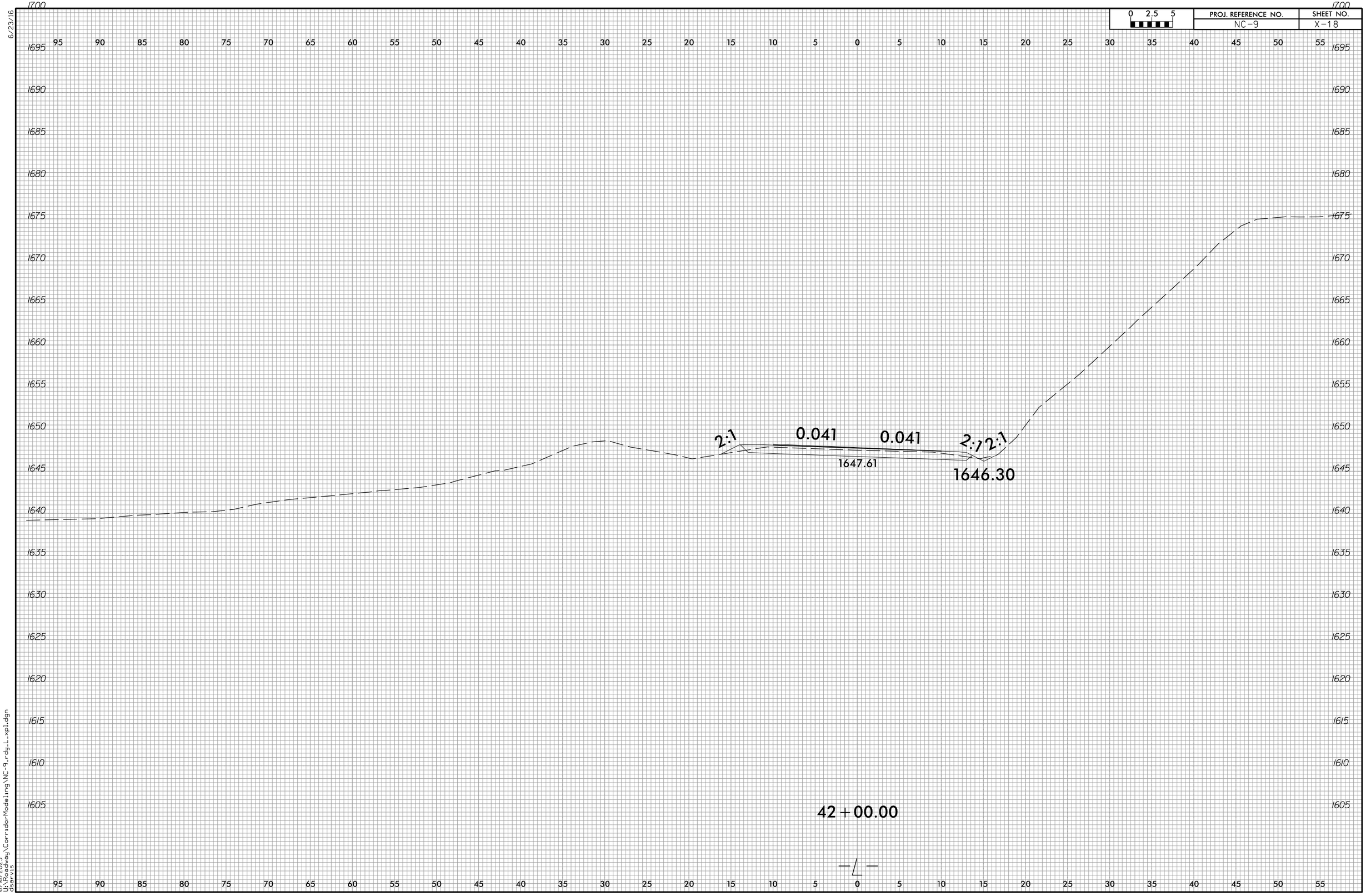
1643.75

41+50.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-18



6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-19

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 50 55

1700 1695 1690 1685 1680 1675 1670 1665 1660 1655 1650 1645 1640 1635 1630 1625 1620 1615 1610 1605

2:1 0.015 0.015 2:1

1651.54

42+50.00

6/16/2025
D:\Projects\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-20

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 50 55

1705 1700 1695 1690 1685 1680 1675 1670 1665 1660 1655 1650 1645 1640 1635 1630 1625 1620 1615 1610

2:1 0.010 0.010 2:1

1655.53

43+00.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-21

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 50 55

1710 1705 1700 1695 1690 1685 1680 1675 1670 1665 1660 1655 1650 1645 1640 1635 1630 1625 1620 1615

2:1 0.035 0.035 2:1

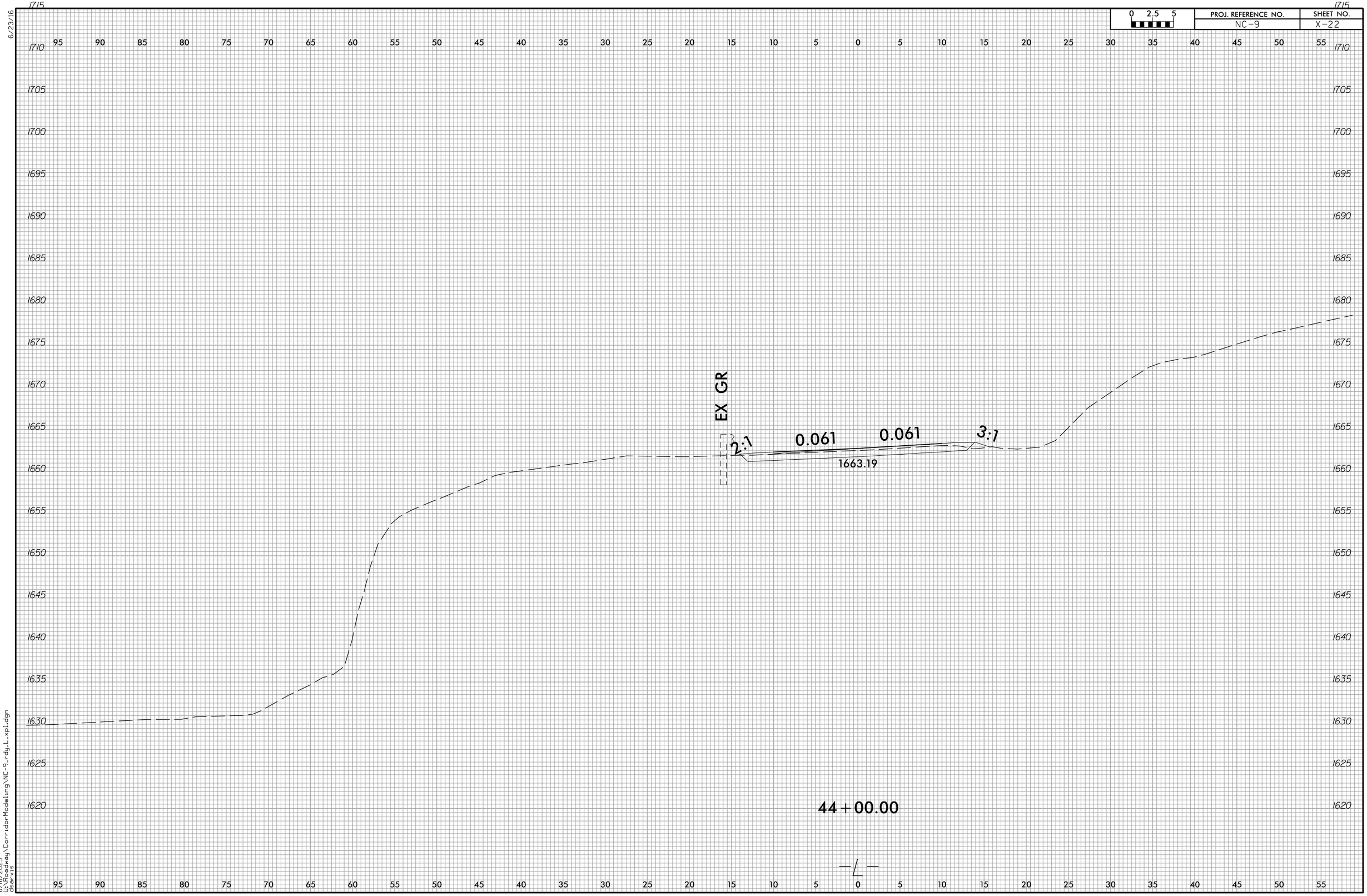
1659.45

43+50.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-22



6/16/2025
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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-23

EX GR

2:1

0.061

0.061

3:1

1663.26

44+01.00

6/16/2025
L:\ROADWAY\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-24

EX GR

2:1 0.080 0.080 3:1 2:1

1666.57

1664.70

44+47.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-25

EX GR

0.080

0.080

2:1

1666.78

2:1

1.5:1

1661.70

44+50.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-26

EX GR

2:1

0.081

0.081

1669.15

2:1

1.5:1

1662.98

44+82.00

—℄—

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-27

EX GR

ROCK PLATING

0.087

0.088

3:1

1.8:1

1670.46

2:1

1.5:1

1663.70

45+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-28

EX GR

3:1

2:1

1670.88

2:1

1.5:1

1663.94

45+06.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-29

EX GR

3:1

2:1

1674.19

2:1 1.5:1

1665.70

45+50.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-30

EX GR

ROCK PLATING

1.5:1

3:1

1677.91

2:1

1.5:1

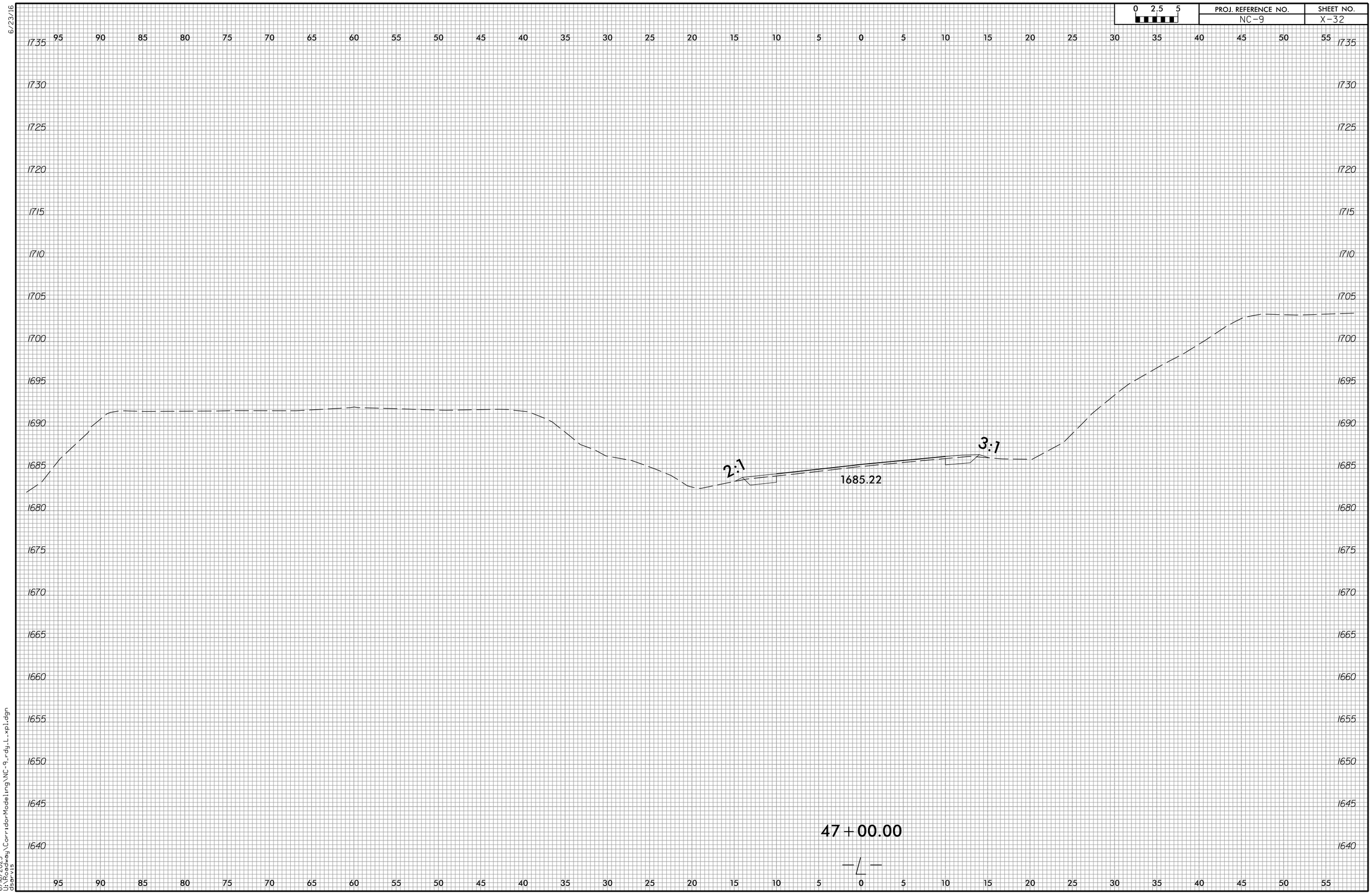
1667.70

46+00.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis



0 2.5 5
PROJ. REFERENCE NO.
NC-9
SHEET NO.
X-32
6/23/16
1735
1730
1725
1720
1715
1710
1705
1700
1695
1690
1685
1680
1675
1670
1665
1660
1655
1650
1645
1640
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 50 55
2:1
3:1
1685.22
47+00.00
-L-
6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-33

1740 1735 1730 1725 1720 1715 1710 1705 1700 1695 1690 1685 1680 1675 1670 1665 1660 1655 1650 1645

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 50 55

2:1

3:1

1689.03

47+50.00

6/16/2025
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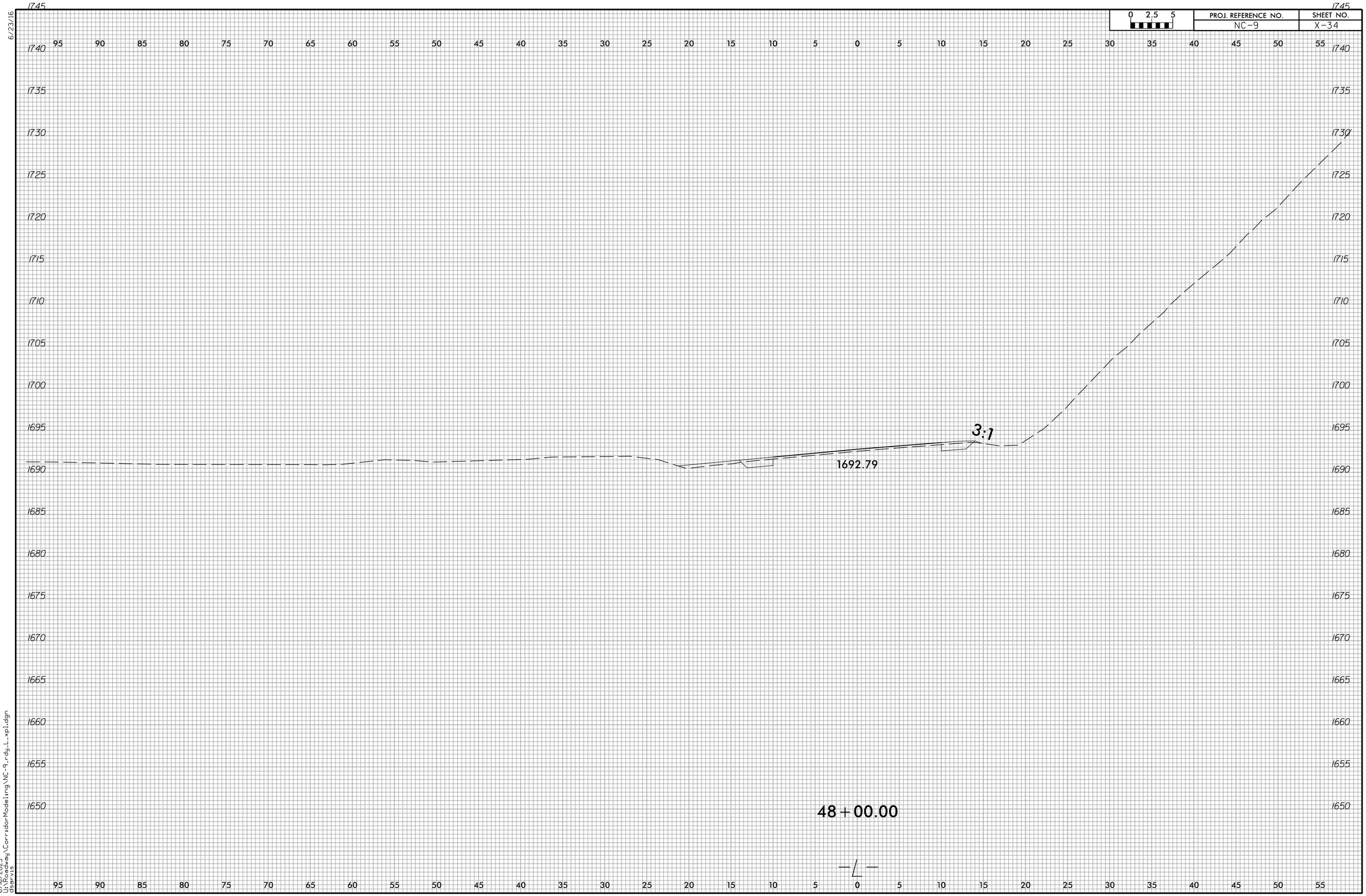
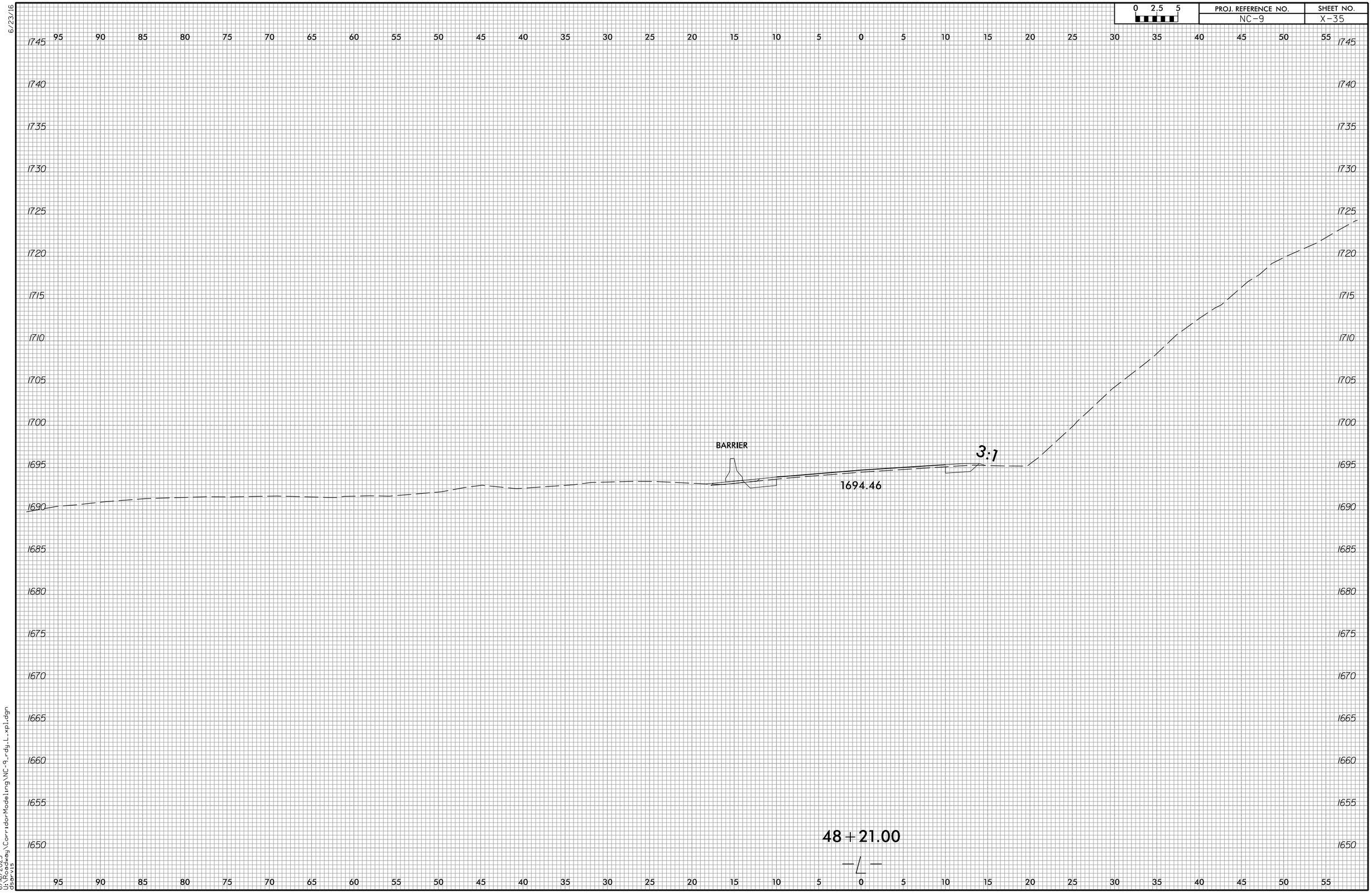
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-36

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-37

BARRIER

AGGREGATE BENCH PROTECTION

1695.80

3.02:1

2:1

1693.90

48+41.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-38

FENCE

BARRIER

AGGREGATE BENCH PROTECTION

EX GR

1696.42

4:1

48+50.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-39

FENCE

BARRIER

AGGREGATE BENCH PROTECTION

EX GR

2.9:1

1697.69

GROUT BEHIND ERODED SHOTCRETE SLOPE

48+71.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-40

FENCE

BARRIER

EX GR

3:1

1698.57

EX GR

AGGREGATE BENCH PROTECTION

GROUT BEHIND ERODED SHOTCRETE SLOPE

48+85.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-41

FENCE

BARRIER

3:1

1699.13

EX GR

EX GR

AGGREGATE BENCH PROTECTION

GROUT BEHIND ERODED SHOTCRETE SLOPE

48+93.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-42

FENCE

BARRIER

EX GR

3:1

1699.58

EX GR

49+00.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-43

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 50 55

1750
1745
1740
1735
1730
1725
1720
1715
1710
1705
1700
1695
1690
1685
1680
1675
1670
1665
1660
1655

BARRIER

EX GR

1700.85

49+17.00

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 50 55

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-44

BARRIER

EX GR

1700.75

1701.26

0.02

1695.24

AGGREGATE BENCH PROTECTION

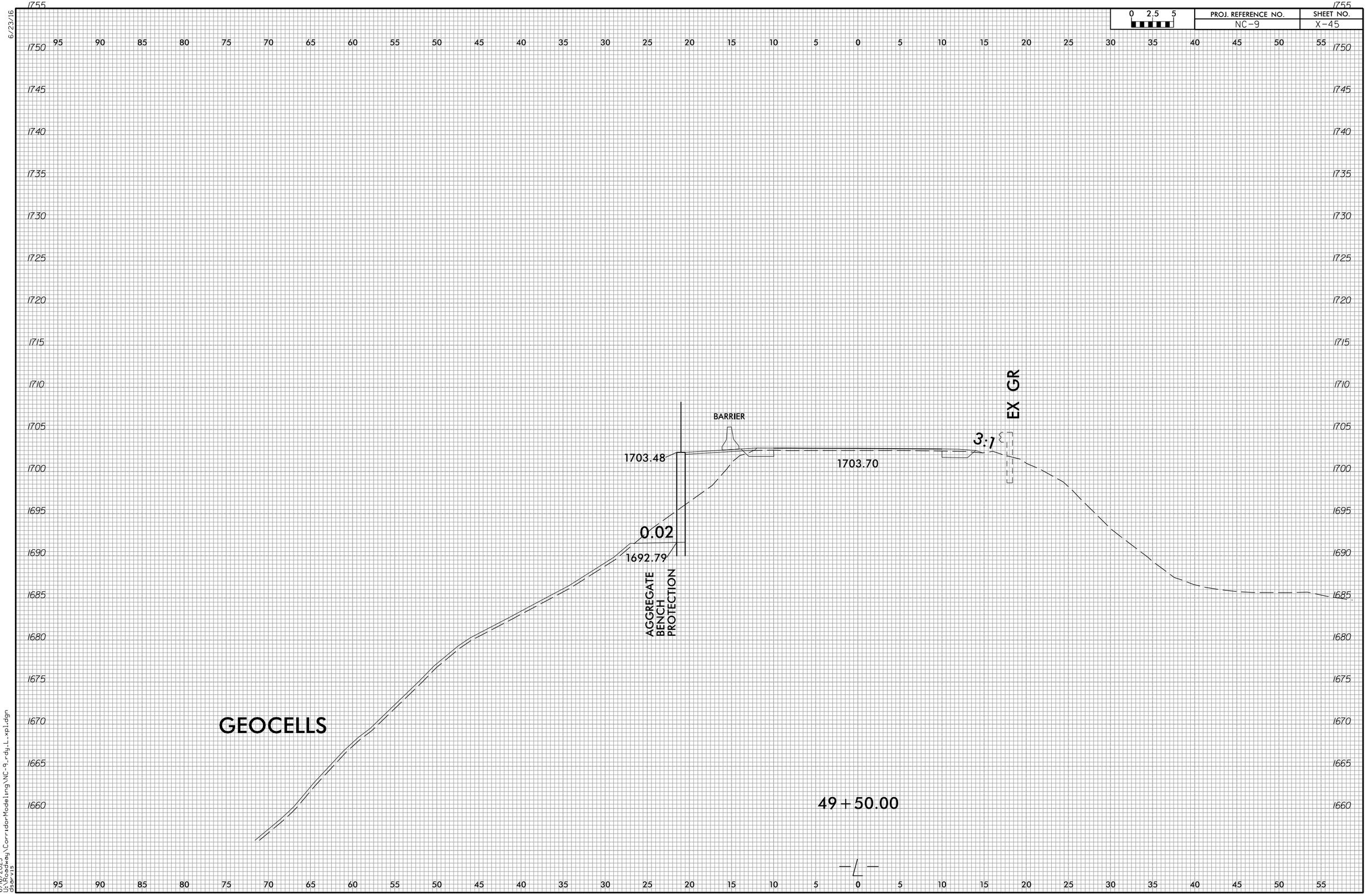
GEOCELLS

49+22.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

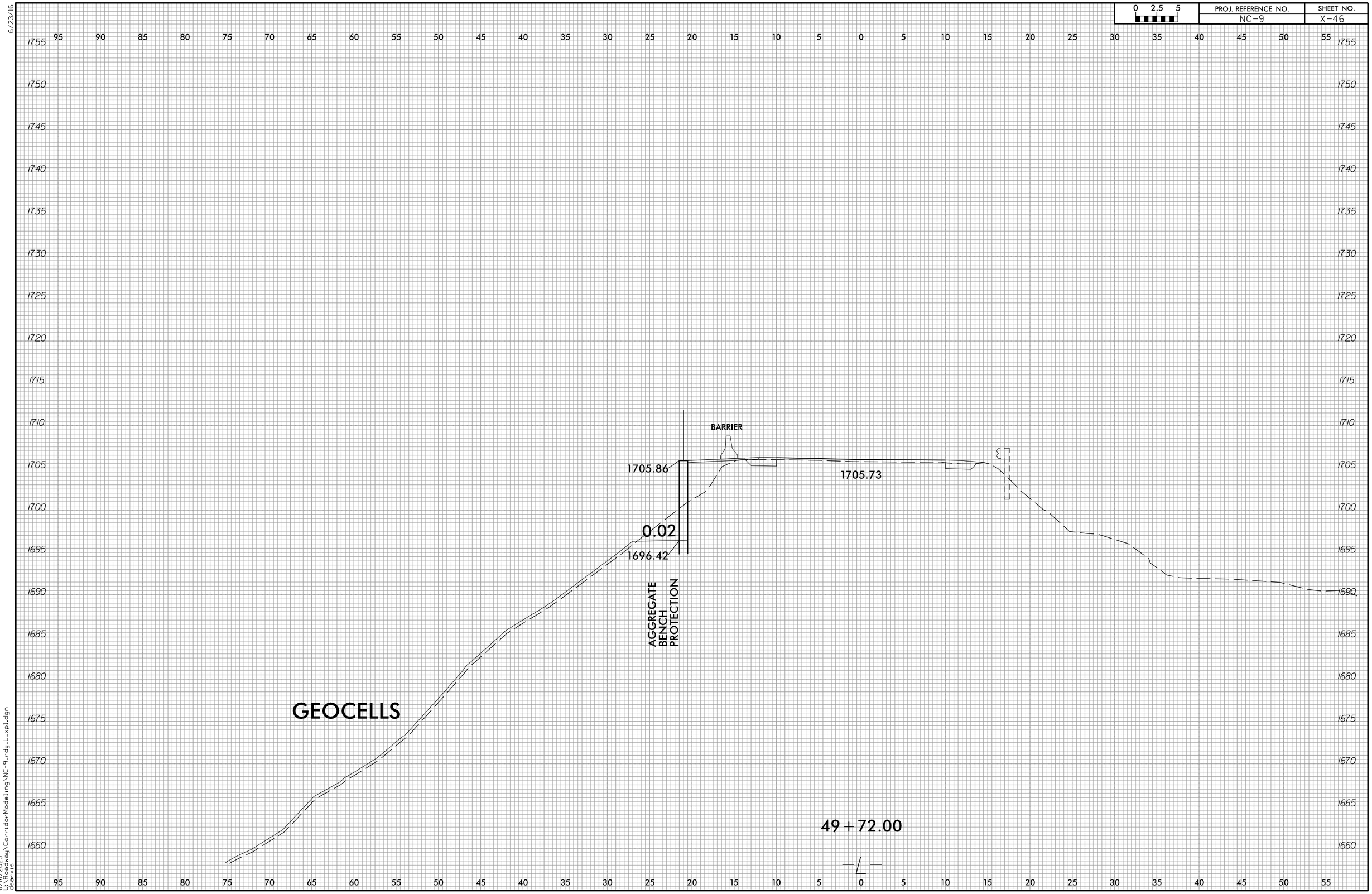
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-45



6/6/2025
C:\Projects\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-46



6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-47

BARRIER

1707.80

1707.41

3:1

0.02

1701.89

AGGREGATE BENCH PROTECTION

GEOCELLS

49+90.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-48

BARRIER

1708.88

0.038

0.024

1708.32

0.02

1702.91

AGGREGATE BENCH PROTECTION

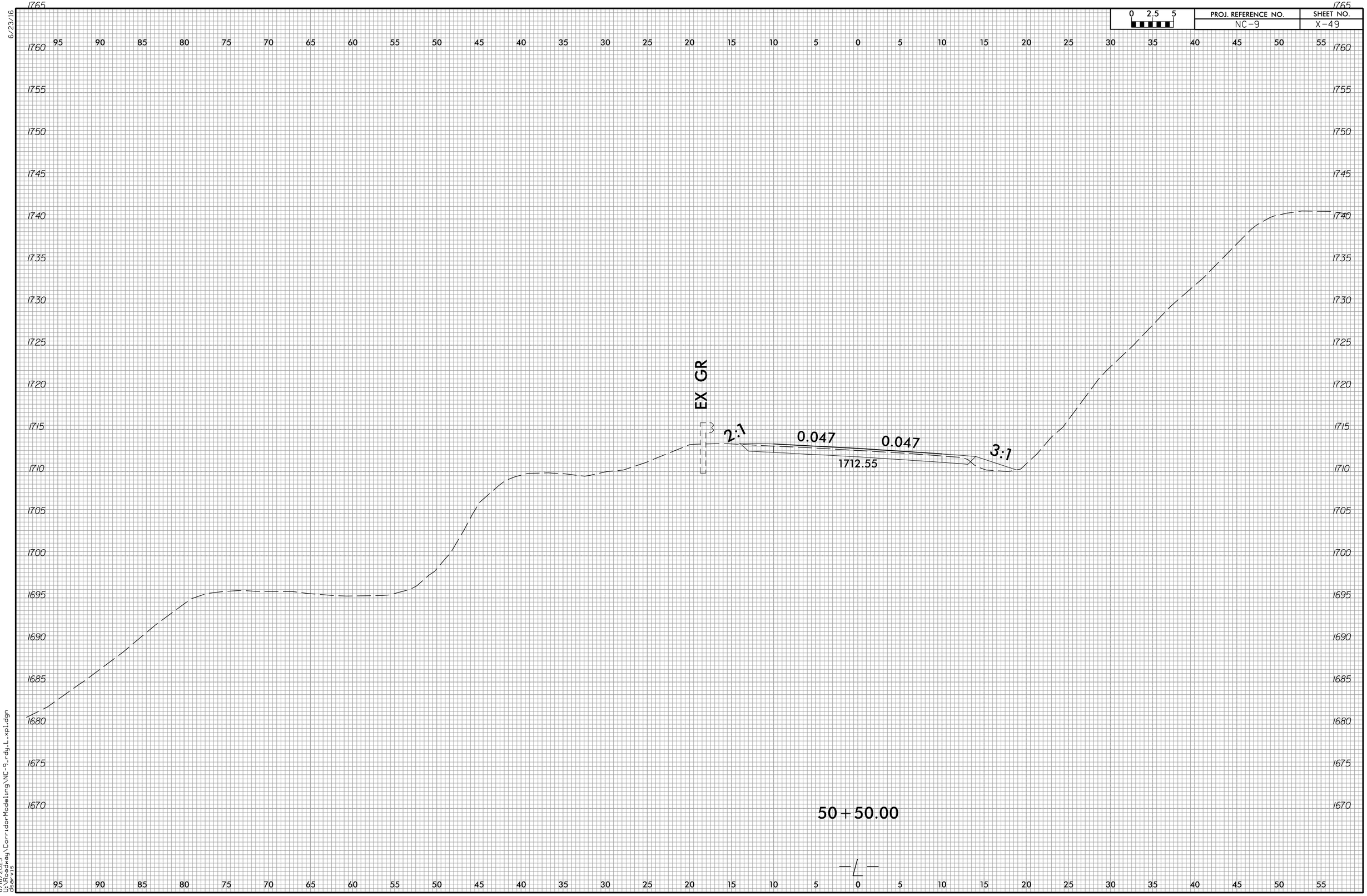
GEOCELLS

50+00.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-49



6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-50

EX GR

2:1

0.068

0.068

3:1

1716.43

51+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-51

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 50 55

1770 1765 1760 1755 1750 1745 1740 1735 1730 1725 1720 1715 1710 1705 1700 1695 1690 1685 1680 1675

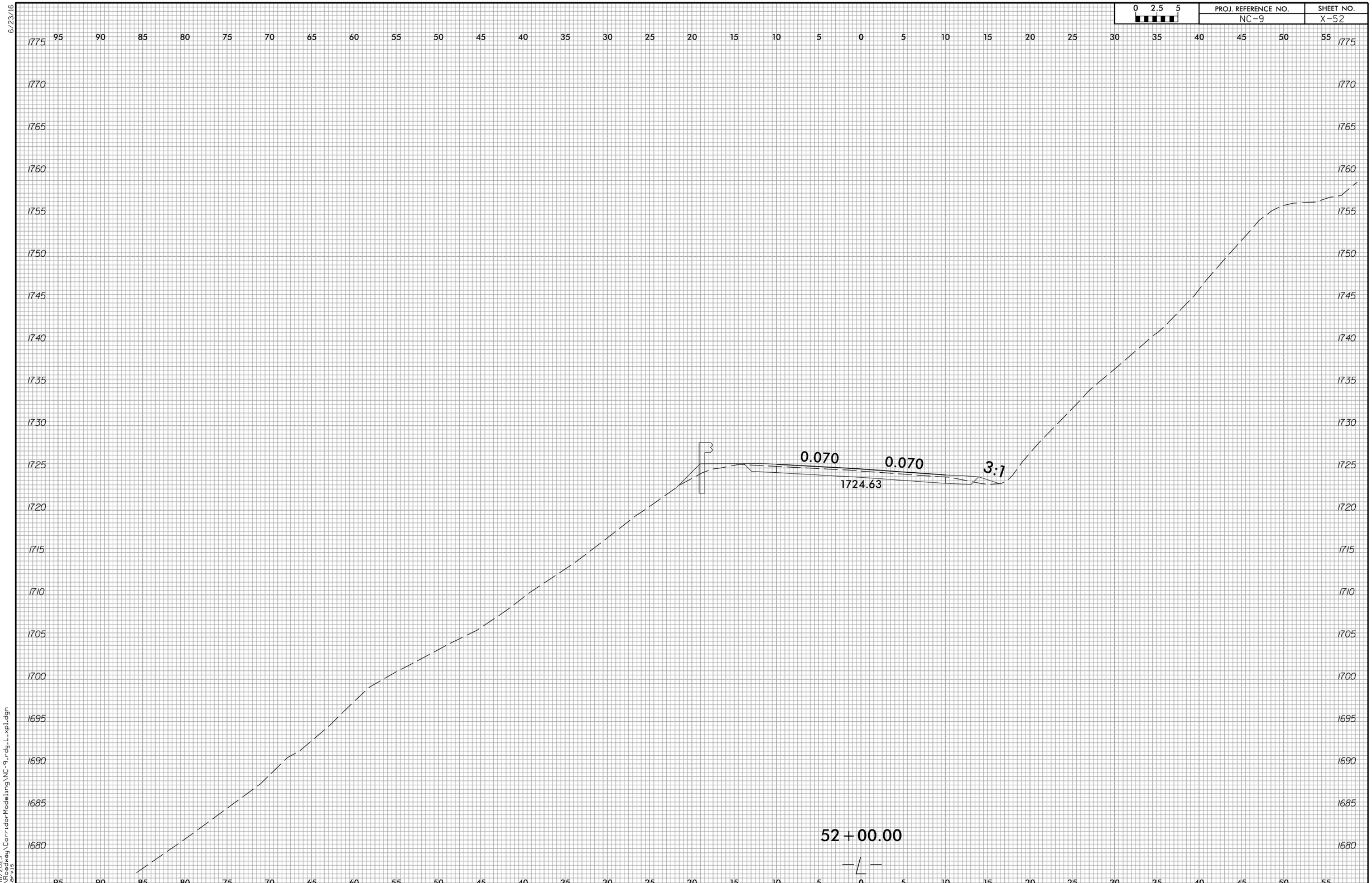
EX GR

0.070 0.070

1720.46

51+50.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-53

1780 1775 1770 1765 1760 1755 1750 1745 1740 1735 1730 1725 1720 1715 1710 1705 1700 1695 1690 1685

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 50 55

0.065

0.065

1728.51

3:1

1.5:1

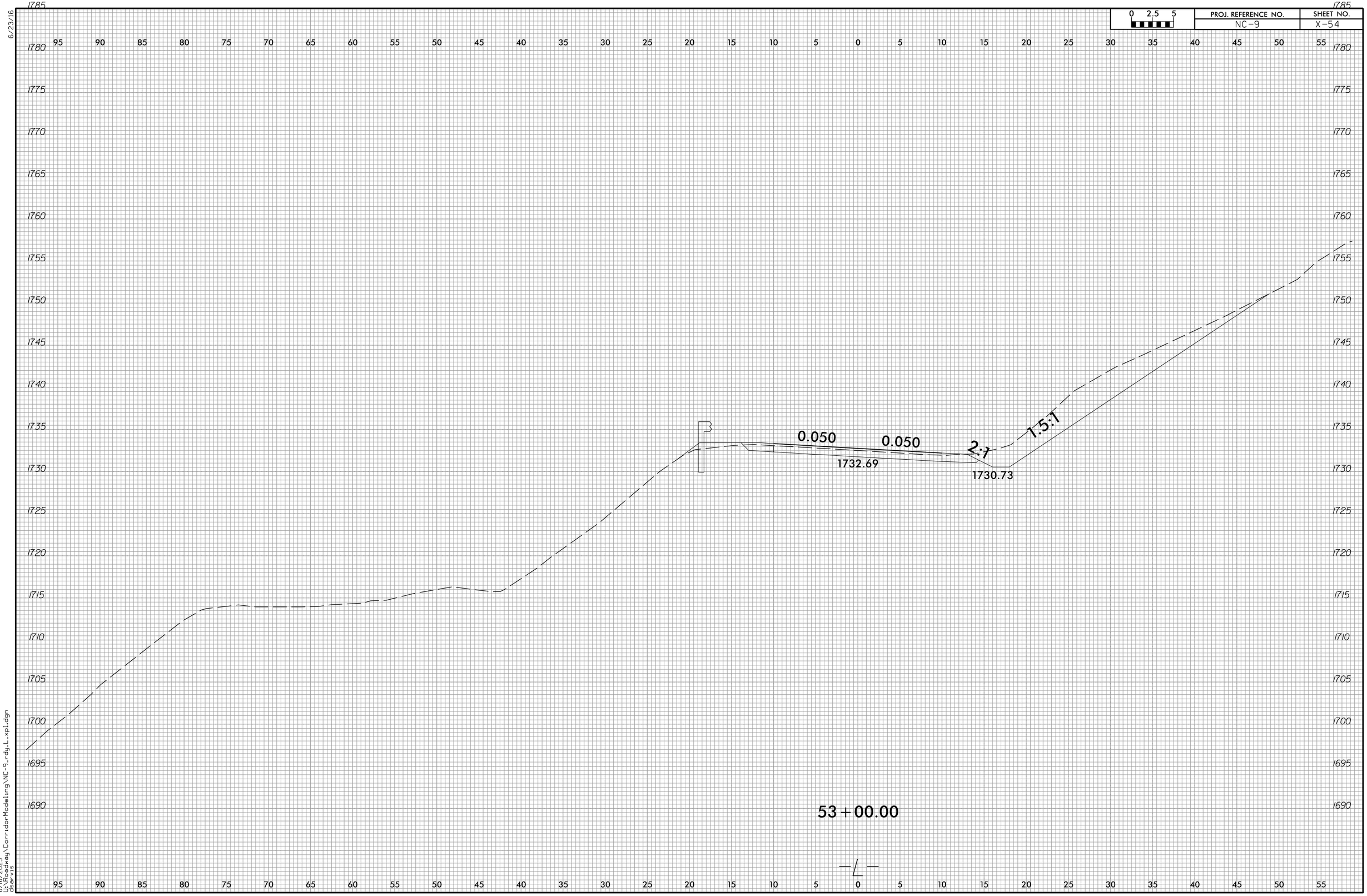
1724.40

52+50.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-54



6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-55

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 50 55

1785 1780 1775 1770 1765 1760 1755 1750 1745 1740 1735 1730 1725 1720 1715 1710 1705 1700 1695 1690

0.050

0.050

3:1

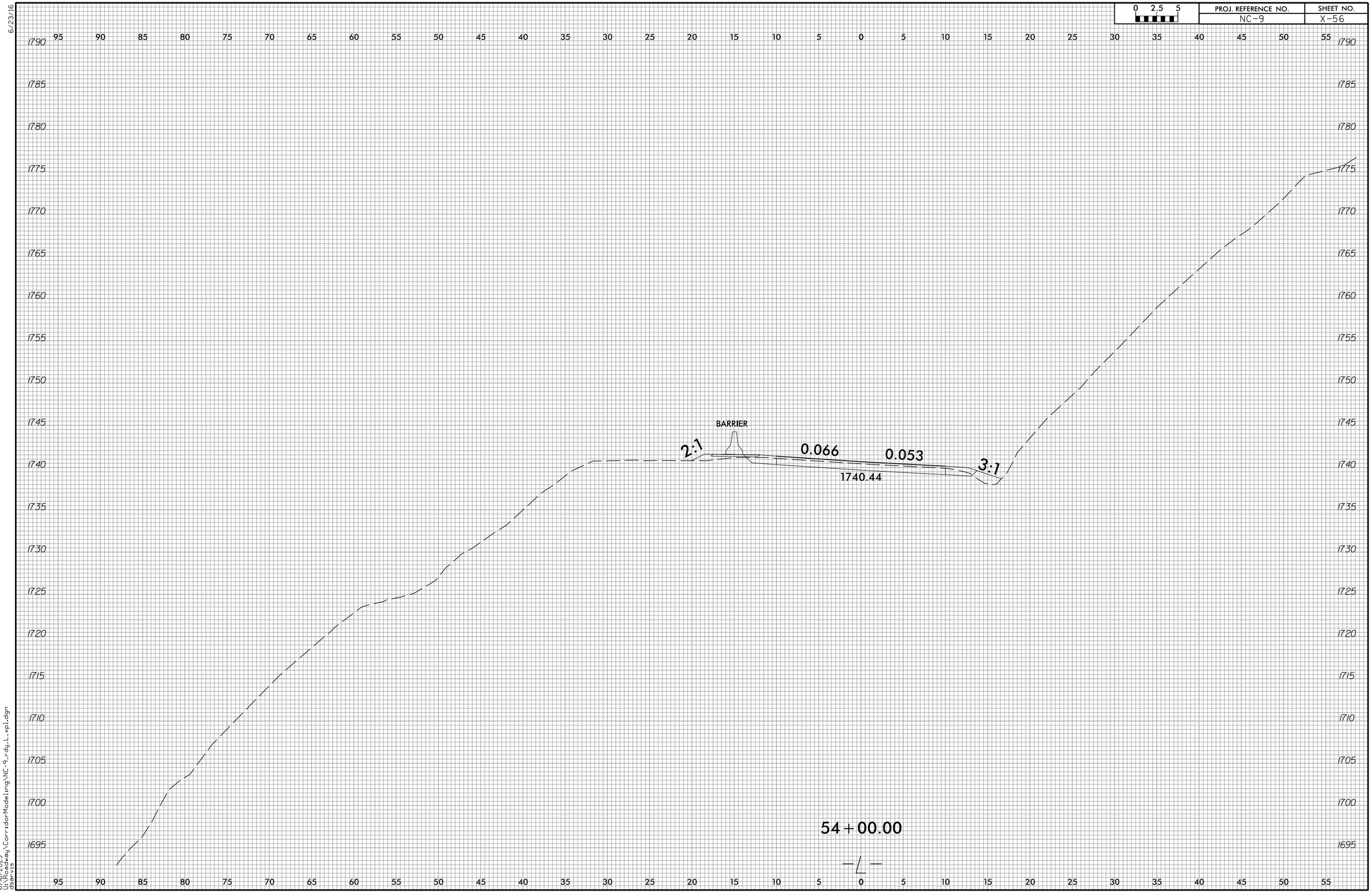
1736.69

53+50.00

6/16/2025
D:\Projects\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

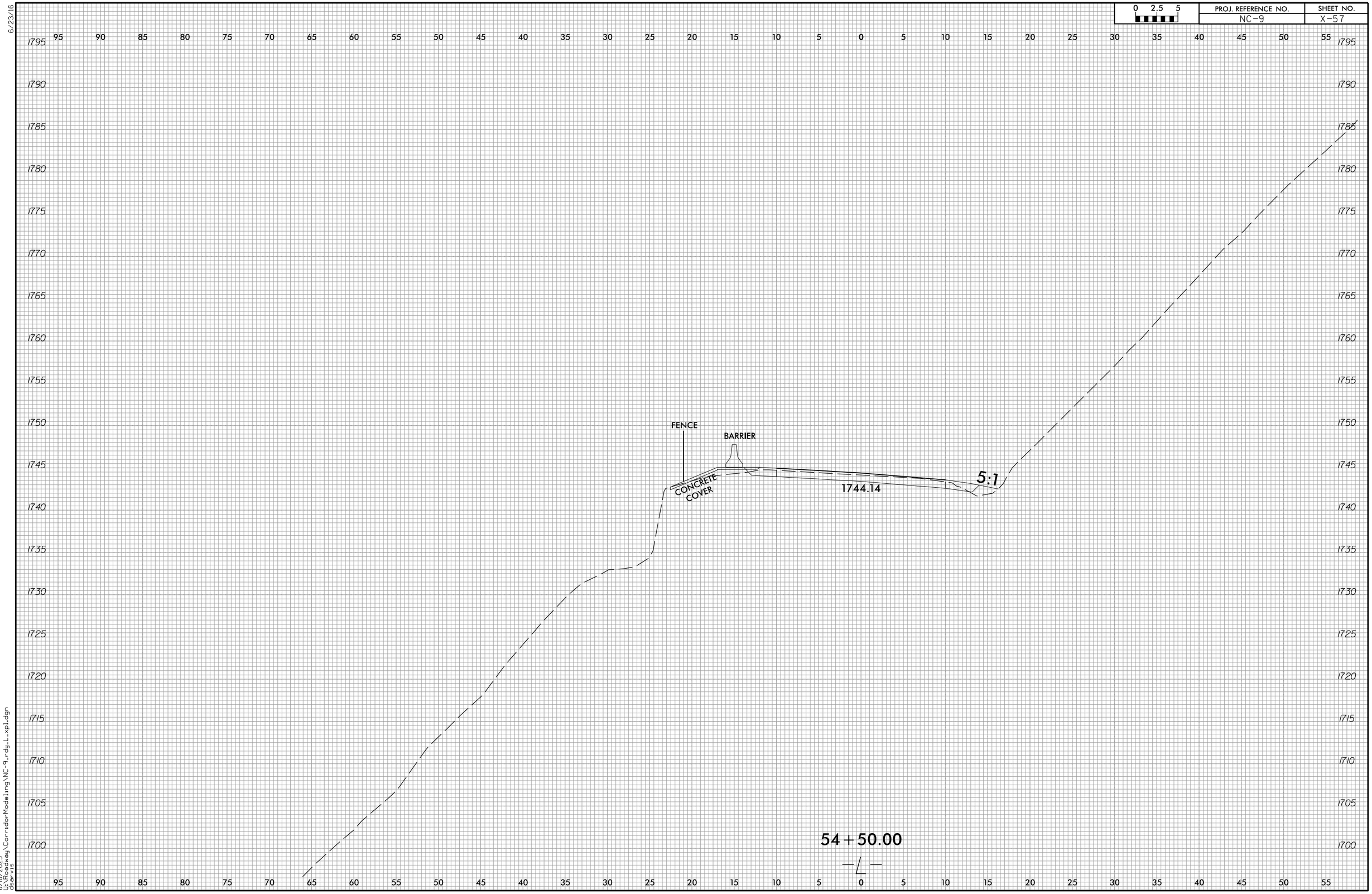
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-56



6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-57



6/18/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dgarvis

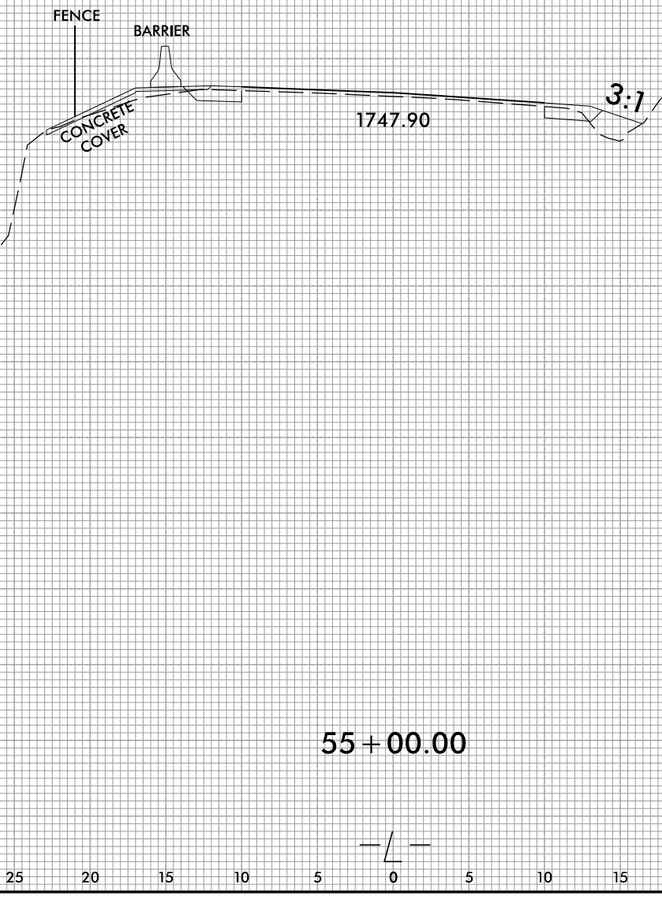
6/23/16

PROJ. REFERENCE NO.	SHEET NO.
NC-9	X-58

0 2.5 5

1800 1795 1790 1785 1780 1775 1770 1765 1760 1755 1750 1745 1740 1735 1730 1725 1720 1715 1710 1705

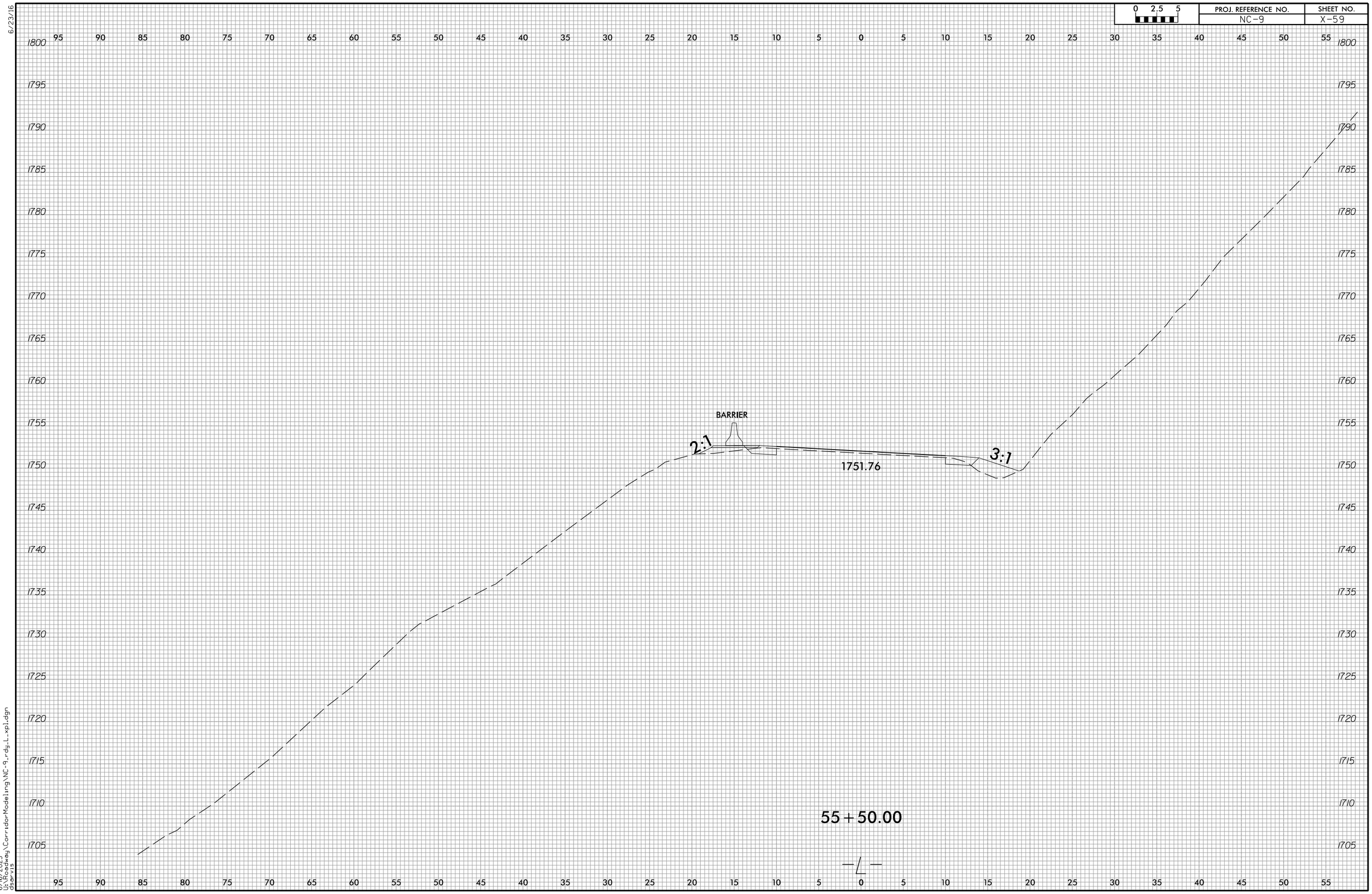
95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55



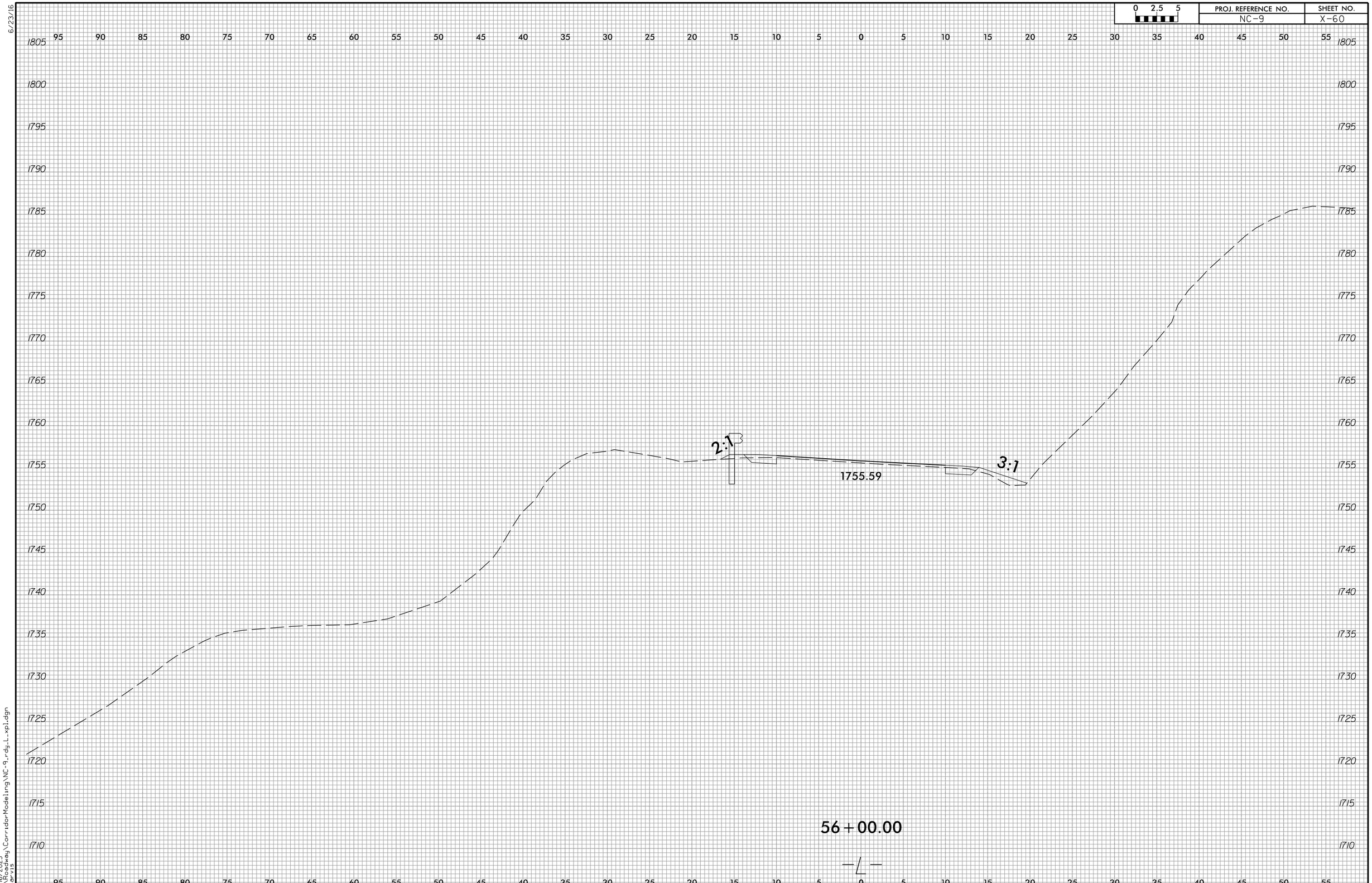
6/18/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-59



6/16/2025
D:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-61

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 50 55

1810 1805 1800 1795 1790 1785 1780 1775 1770 1765 1760 1755 1750 1745 1740 1735 1730 1725 1720 1715

2:1

3:1

1759.35

56+50.00

—℄—

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-62

1815 1810 1805 1800 1795 1790 1785 1780 1775 1770 1765 1760 1755 1750 1745 1740 1735 1730 1725 1720

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 50 55

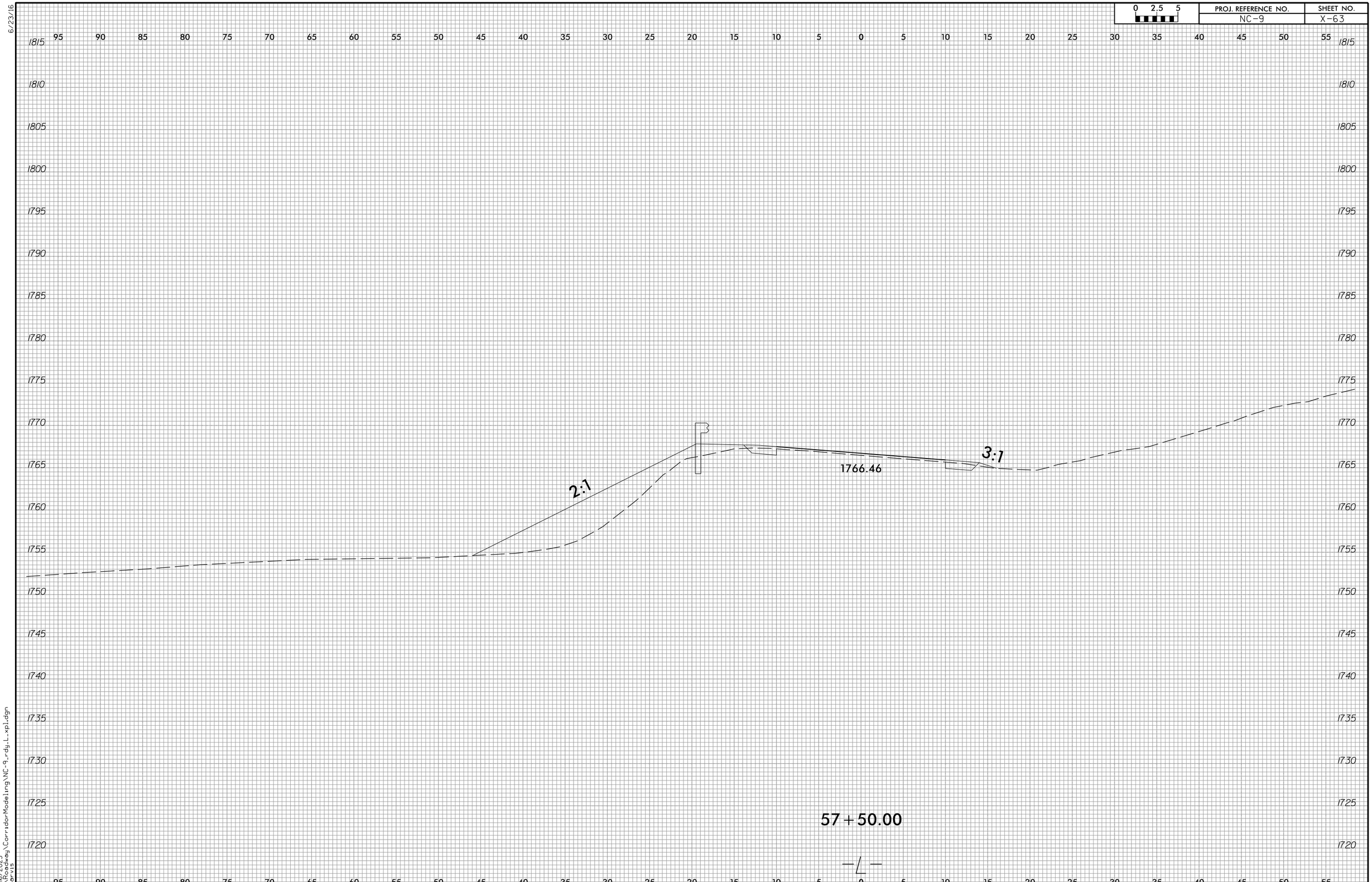
2:1

3:1

1762.83

57+00.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

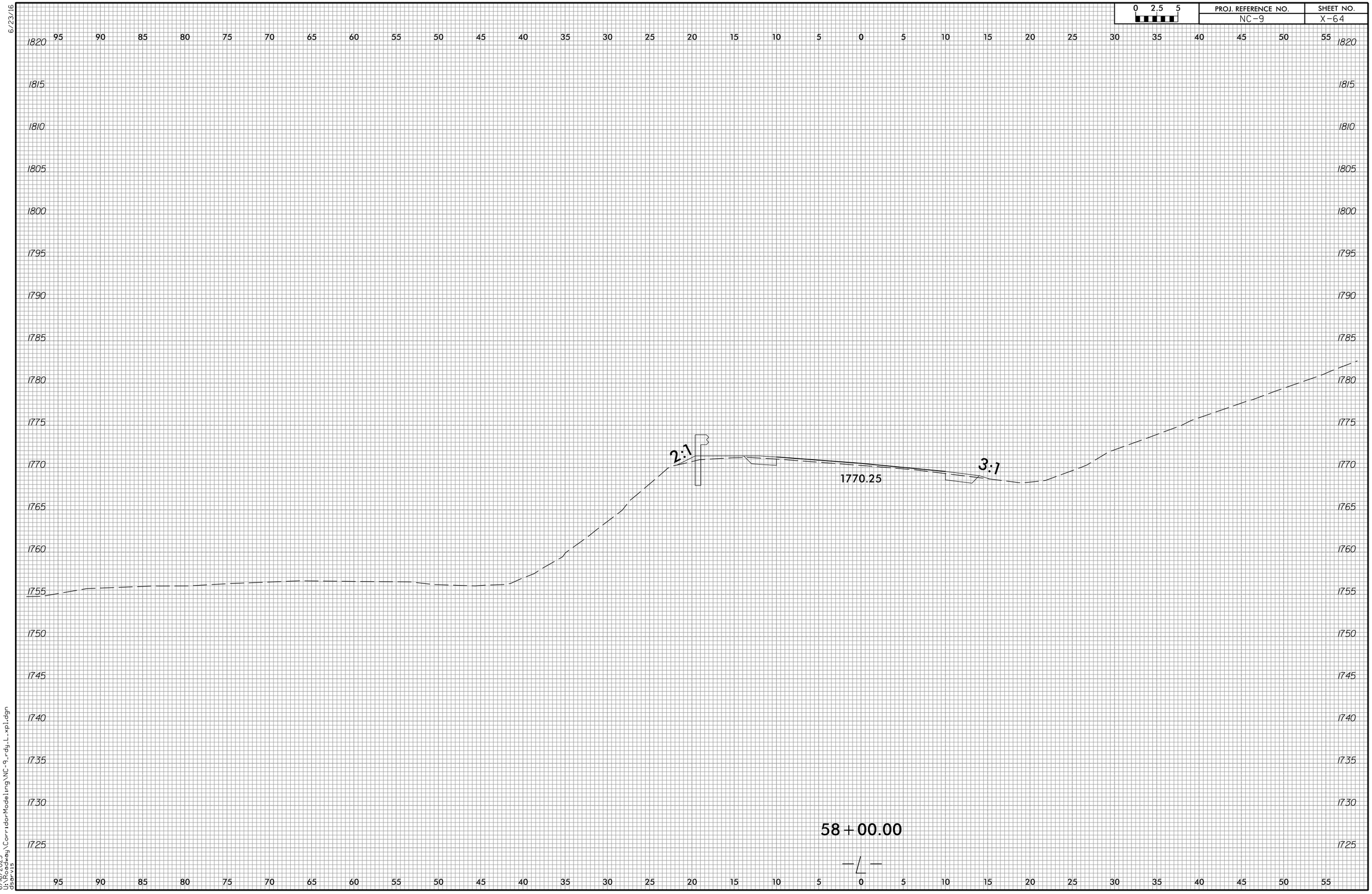


6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-64



6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-65

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 50 55

1825 1820 1815 1810 1805 1800 1795 1790 1785 1780 1775 1770 1765 1760 1755 1750 1745 1740 1735 1730

EX GR

2:1

3:1

1773.97

58+50.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-66

1830 1825 1820 1815 1810 1805 1800 1795 1790 1785 1780 1775 1770 1765 1760 1755 1750 1745 1740 1735

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 50 55

EX GR

2:1

1777.77

2:1

1.5:1

1772.90

59+00.00

—℄—

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-67

EX GR

2:1

1781.59

2:1

1.5:1

1776.90

59+50.00

—℄—

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-68

EX GR

2:1

1785.27

2:1

1.5:1

1780.90

60+00.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-69

EX GR

2:1

1788.36

2:1

1.5:1

1784.26

60+42.00

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-70

EX GR

2:1

2:1

1788.98

2:1

1.5:1

1784.90

2:1

ROCK PLATING

1773.83

PARTIALLY GROUTED ROCK FILL

60+50.00

—L—

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-71

EX GR

2:1

2:1

1792.63

2:1

1.5:1

1788.90

2.2:1

ROCK PLATING

1777.01

2:1

PARTIALLY GROUTED ROCK FILL

61+00.00

6/16/2025
C:\Bikeway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-72

EX GR

2:1

1796.31

2:1 1.5:1

1792.90

2.2:1

ROCK PLATING

1779.75

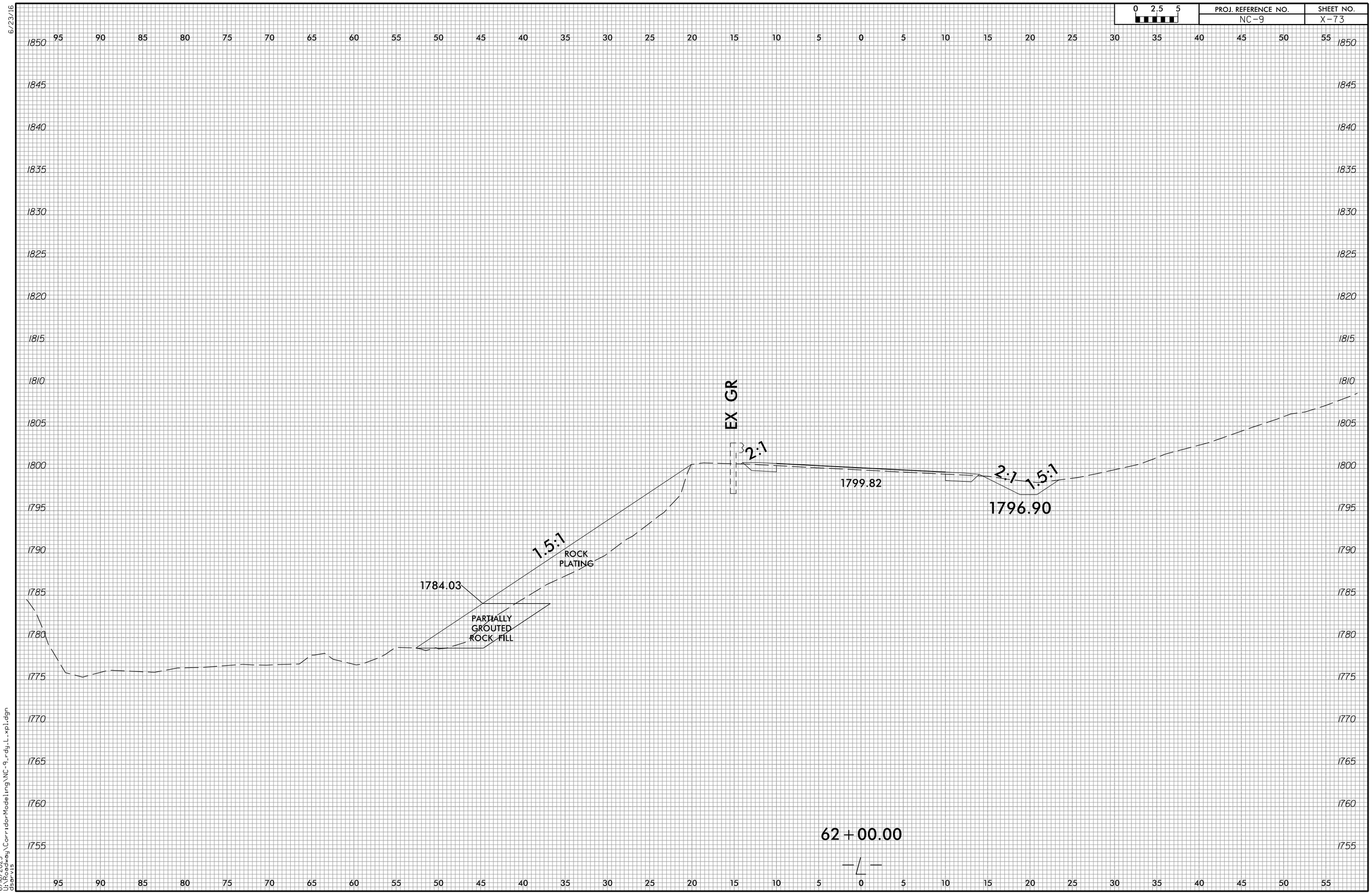
1.5:1

PARTIALLY GROUTED ROCK FILL

61+50.00

—℄—

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-74

EX GR

2:1

3:1

1.5:1

1803.16

1800.90

1.5:1

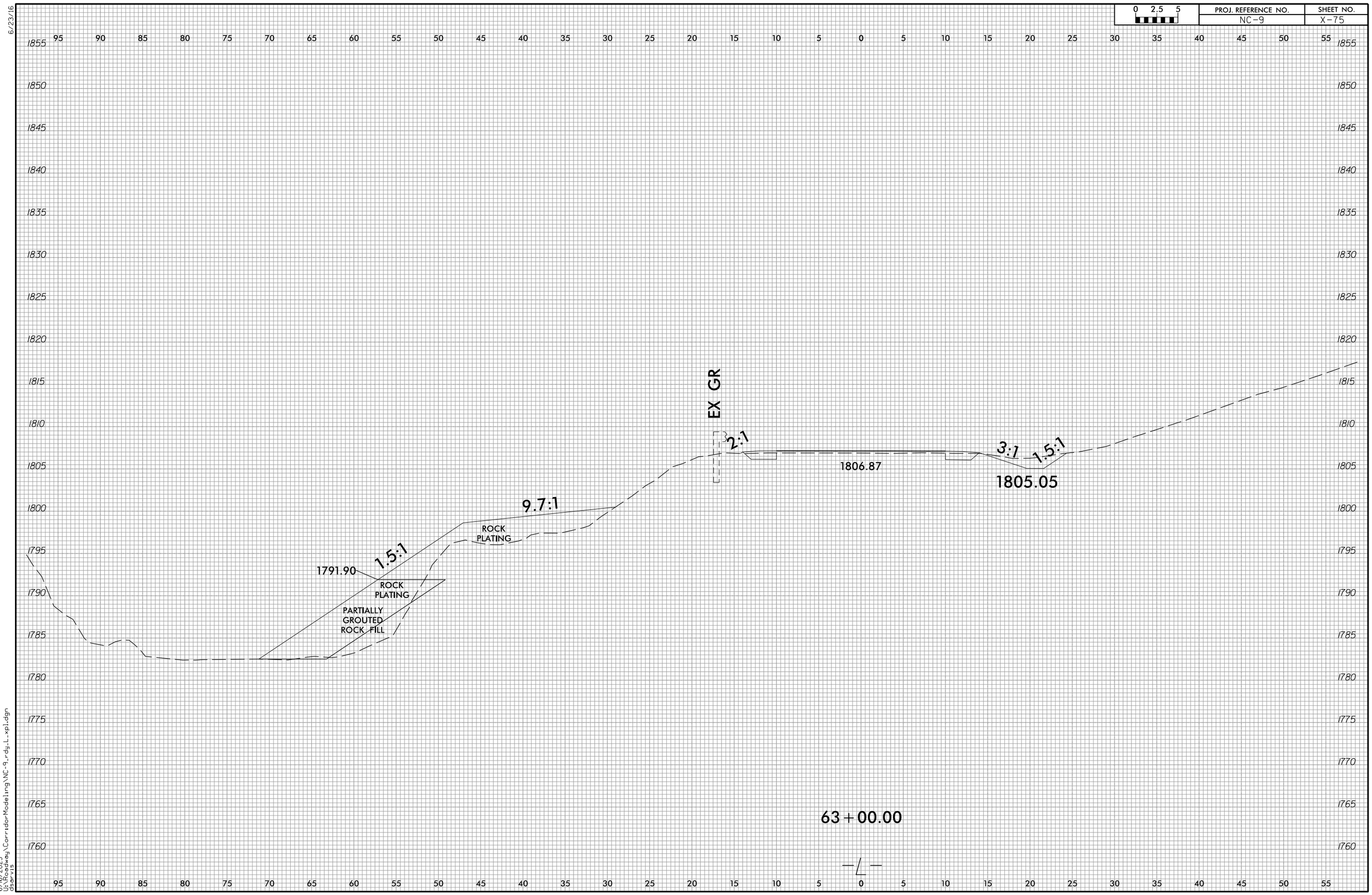
ROCK PLATING

1788.16

PARTIALLY GROUTED ROCK FILL

62+50.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis



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6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-76

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 50 55

1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785 1780 1775 1770 1765

EX GR

2:1

1810.78

3:1

1.5:1

1809.20

1.5:1

ROCK PLATING

1796.54

PARTIALLY GROUTED ROCK FILL

63+50.00

—℄—

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-77

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 50 55

1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785 1780 1775 1770

EX GR

2:1

3:1

1814.54

1800.14

1.5:1

ROCK PLATING

PARTIALLY GROUTED ROCK FILL

64+00.00

—℄—

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-78

EX GR

1.5:1

ROCK PLATING

1803.89

PARTIALLY GROUTED ROCK FILL

2:1

1818.20

3:1

2:1

1817.90

64+50.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-79

EX GR

2:1

2:1

5:1

1821.68

1820.10

1.5:1

ROCK PLATING

1807.74

PARTIALLY GROUTED ROCK FILL

65+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-80

EX GR

2:1

2:1 1.5:1

1825.29

1824.00

1.25:1

ROCK EMBANKMENT

1811.92

PARTIALLY GROUTED ROCK FILL

65+50.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-81

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 50 55

1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785 1780

1.25:1

ROCK EMBANKMENT

1812.93

PARTIALLY GROUTED ROCK FILL

2:1

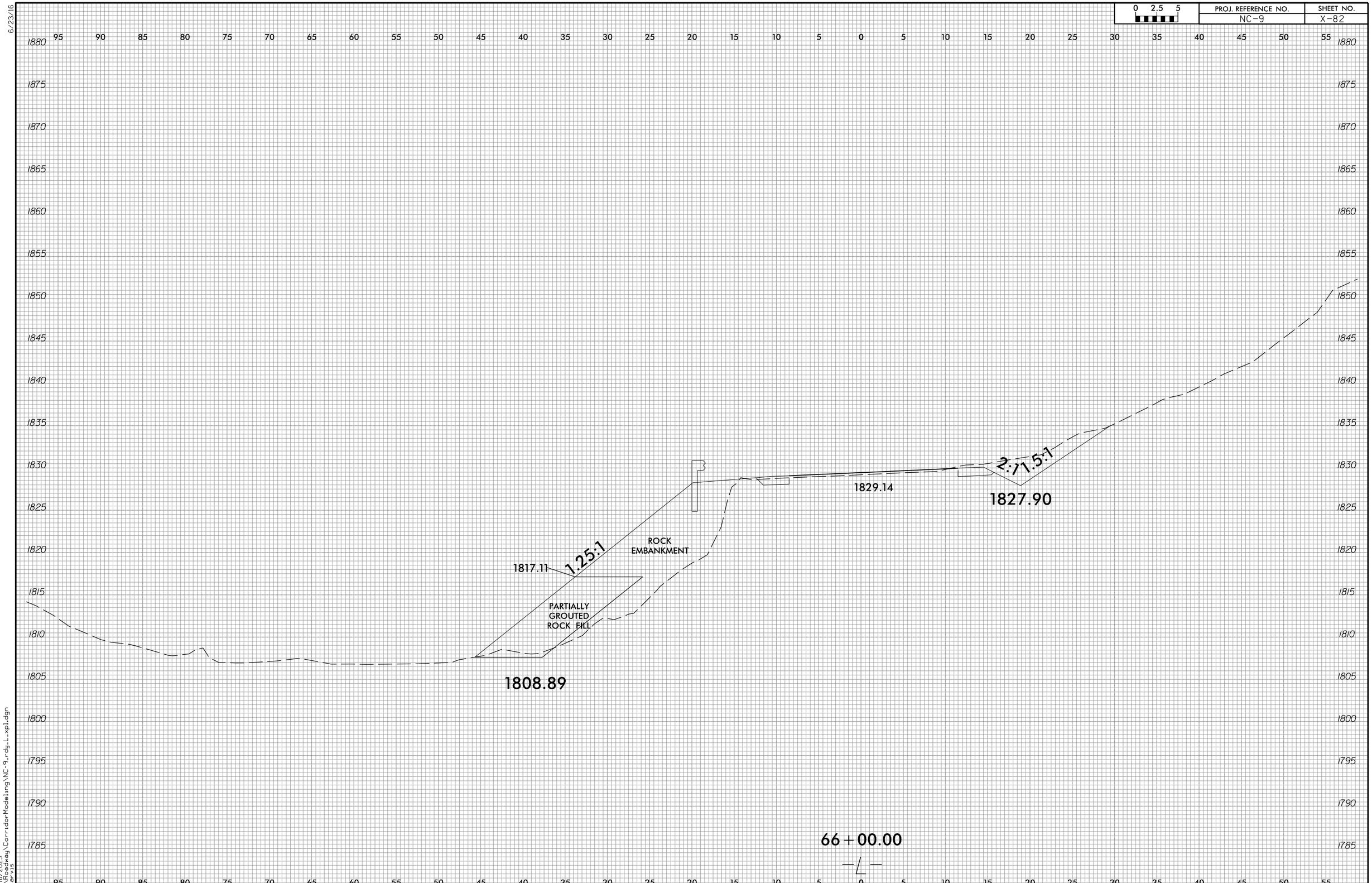
1826.20

2:1 1.5:1

1824.94

65+62.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_Lxpl.dgn
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-83

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 50 55

1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785

1.25:1

1831.47

3:1 2:1

1830.24

EXISTING CULVERT

RIP RAP

66+30.00

—℄—

6/16/2025
L:\Roadway Corridor Modeling\NC-9_rdy_Lxpl.dgn
dservis

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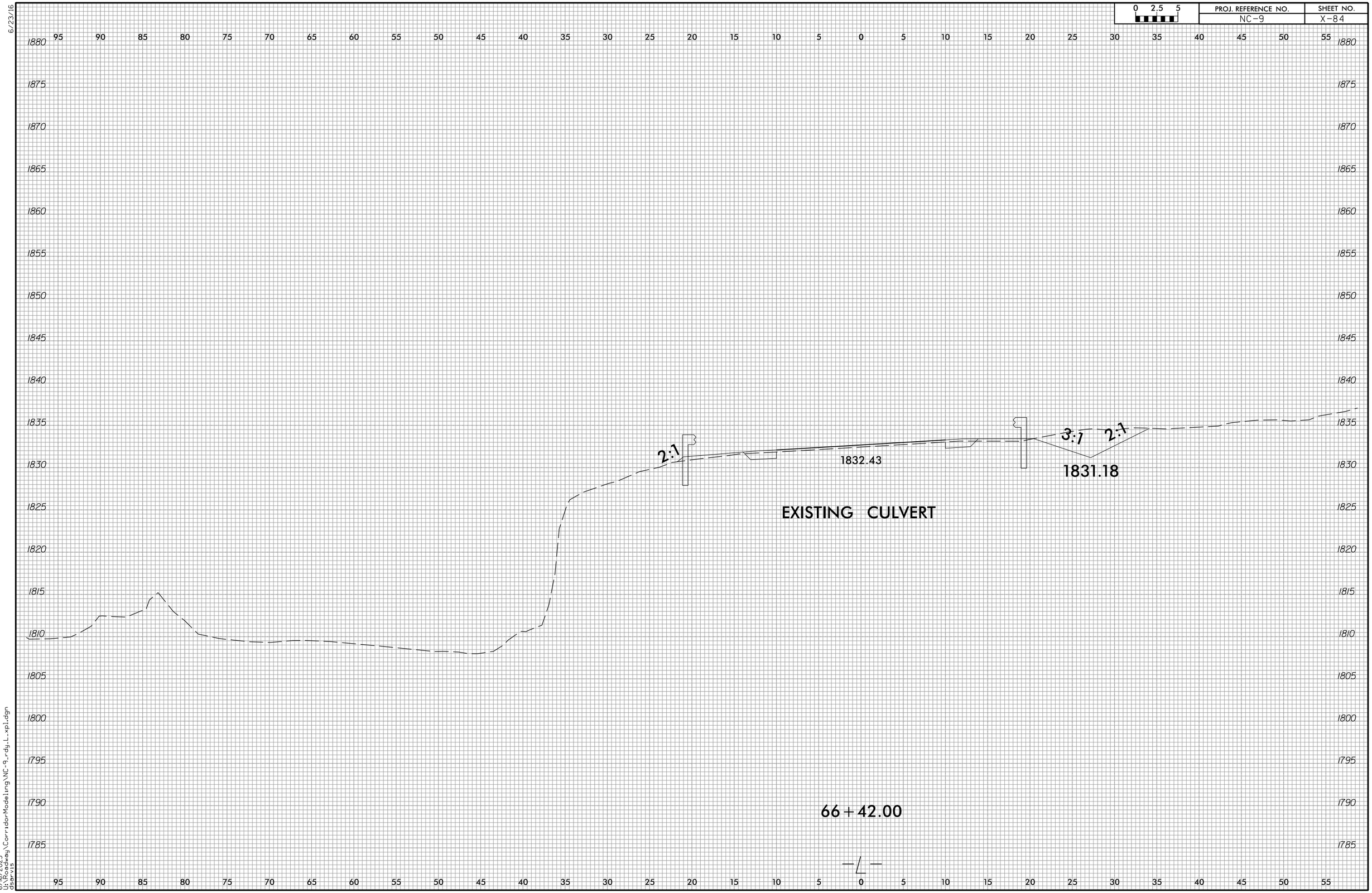
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-84



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dservis

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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-85

1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790

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 50 55

2:1

1833.05

3.6:1 2:1

1831.80

EXISTING CULVERT

66+50.00

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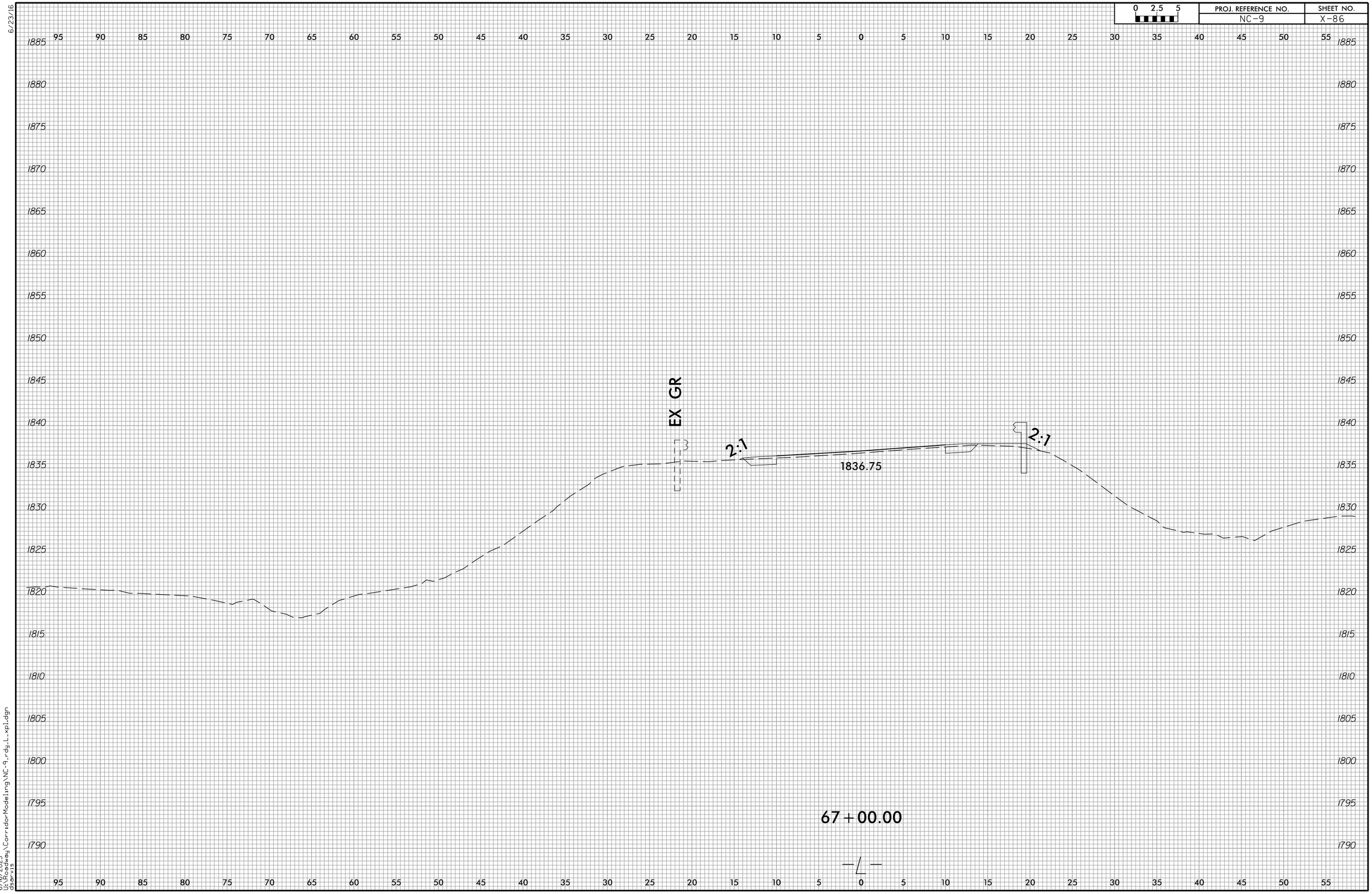
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis



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U:\Roadway\CorridorModeling\NC-9_rdy_L.xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-87

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 50 55

1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795

EX GR

2:1

2:1

1840.30

2:1

67+50.00

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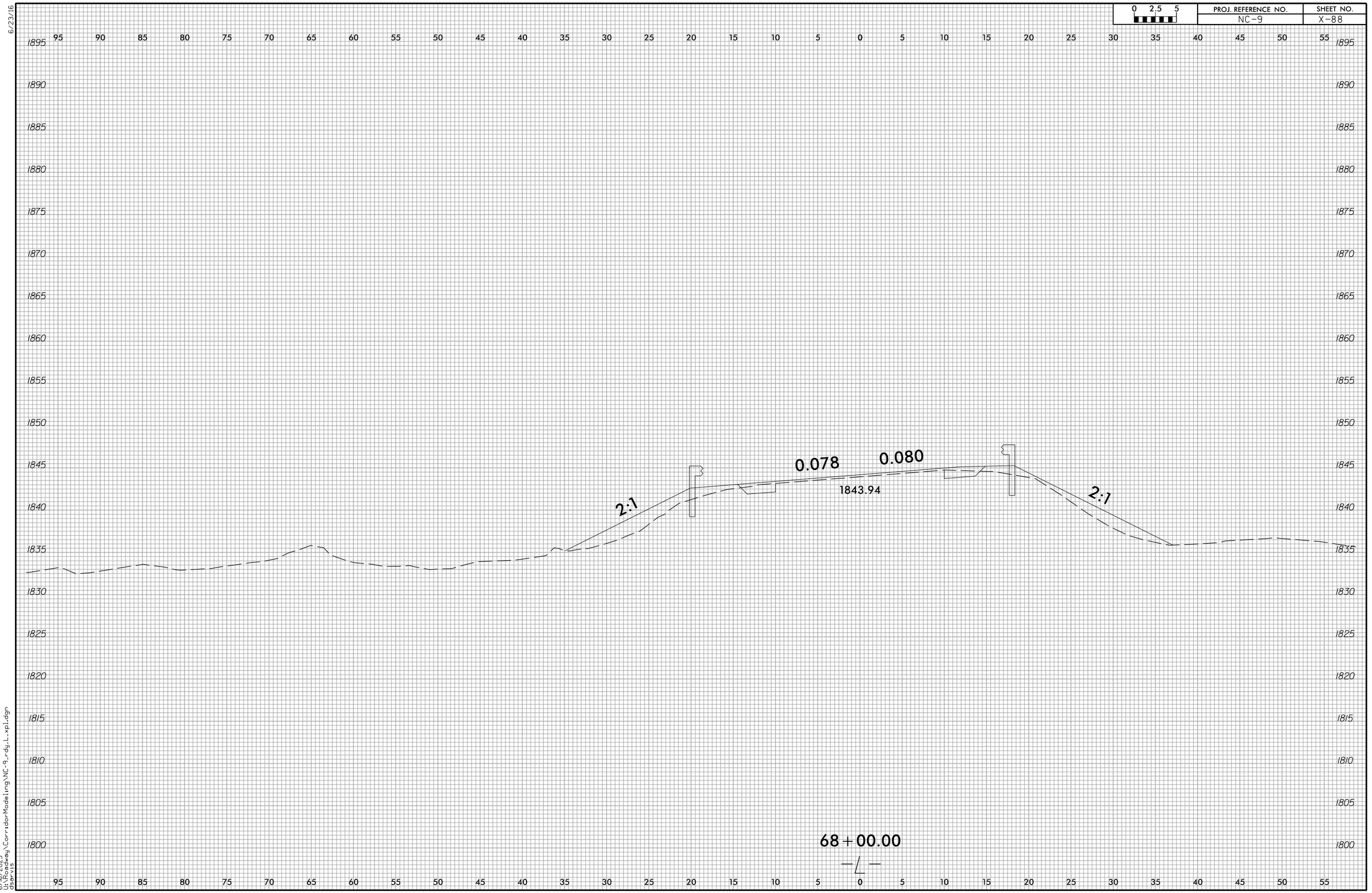
6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-88



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dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-89

0.080

0.080

1847.76

2:1

68+50.00

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dservis

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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-90

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 50 55

1900
1895
1890
1885
1880
1875
1870
1865
1860
1855
1850
1845
1840
1835
1830
1825
1820
1815
1810
1805

3.3:1 0.080 0.080

1850.66

68+89.00

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 50 55

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U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-91

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 50 55

1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805

3:1 0.080 0.080 3:1 2:1

1851.53

1851.40

69+00.00

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U:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-92

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 50 55

1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810

0.080

0.080

3:1

3:1

1855.18

1854.44

69+50.00

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dsarvis

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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-93

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 50 55

1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810

0.080

0.080

3:1

2:1

2:1

1856.51

1855.60

69+69.00

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dsarvis

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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-94

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 50 55

1910 1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815

0.080

0.080

1858.78

2:1

70+00.00

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U:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-95

1915 1910 1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820

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 50 55

6:1

0.080

0.080

1862.58

70+50.00

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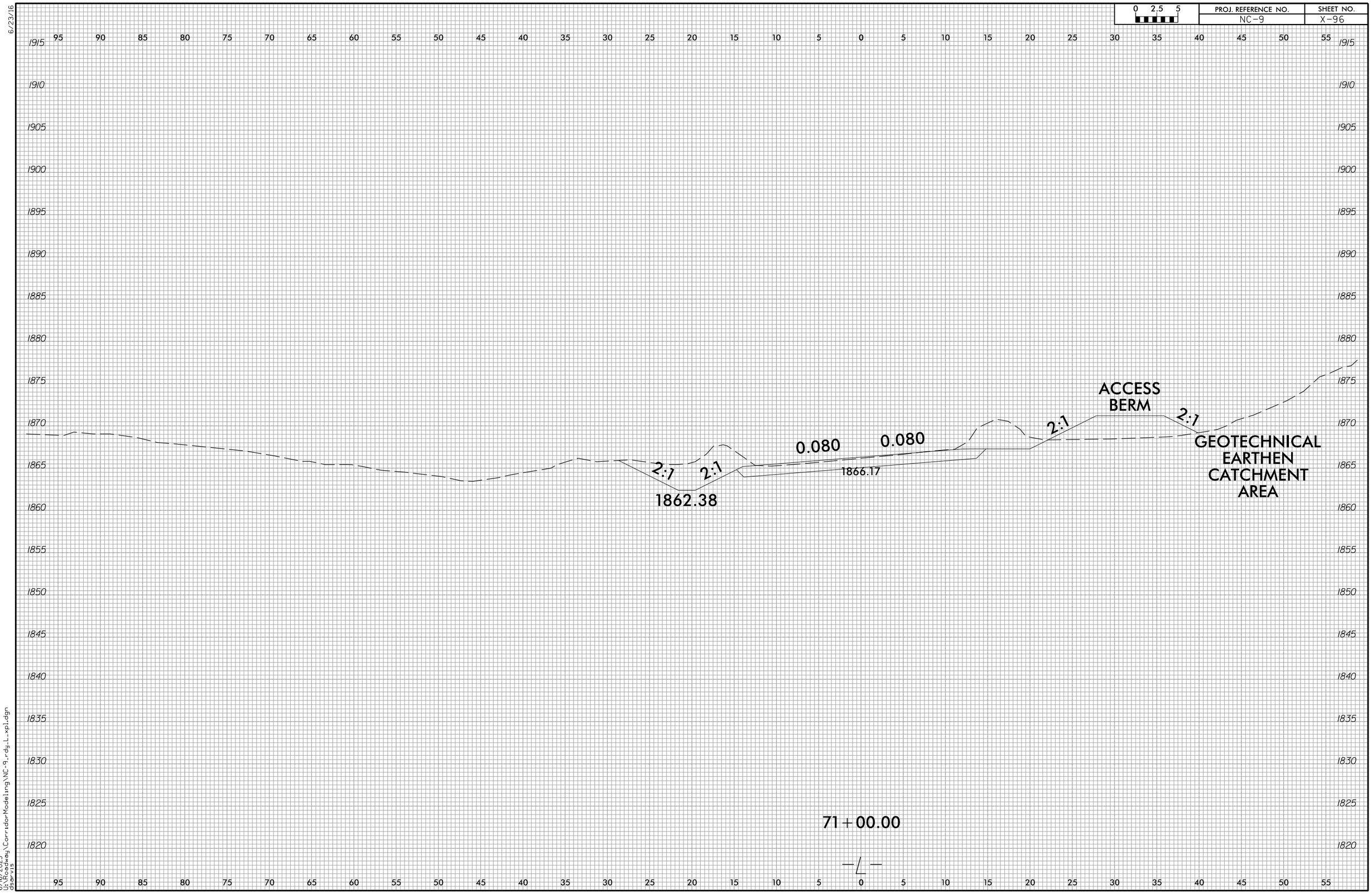
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-96



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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-97

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 50 55

1920 1915 1910 1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825

3:1

2:1 2:1

1869.74

1865.56

71+50.00

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U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-98

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 50 55

1920 1915 1910 1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825

2:1 2:1 3:1

1866.20

1870.48

71+60.00

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 50 55

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dservis

6/23/16

PROJ. REFERENCE NO.	SHEET NO.
NC-9	X-99

0 2.5 5

1925 1920 1915 1910 1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830

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 50 55

3:1

2:1 2:1

1873.43

1868.75

72+00.00

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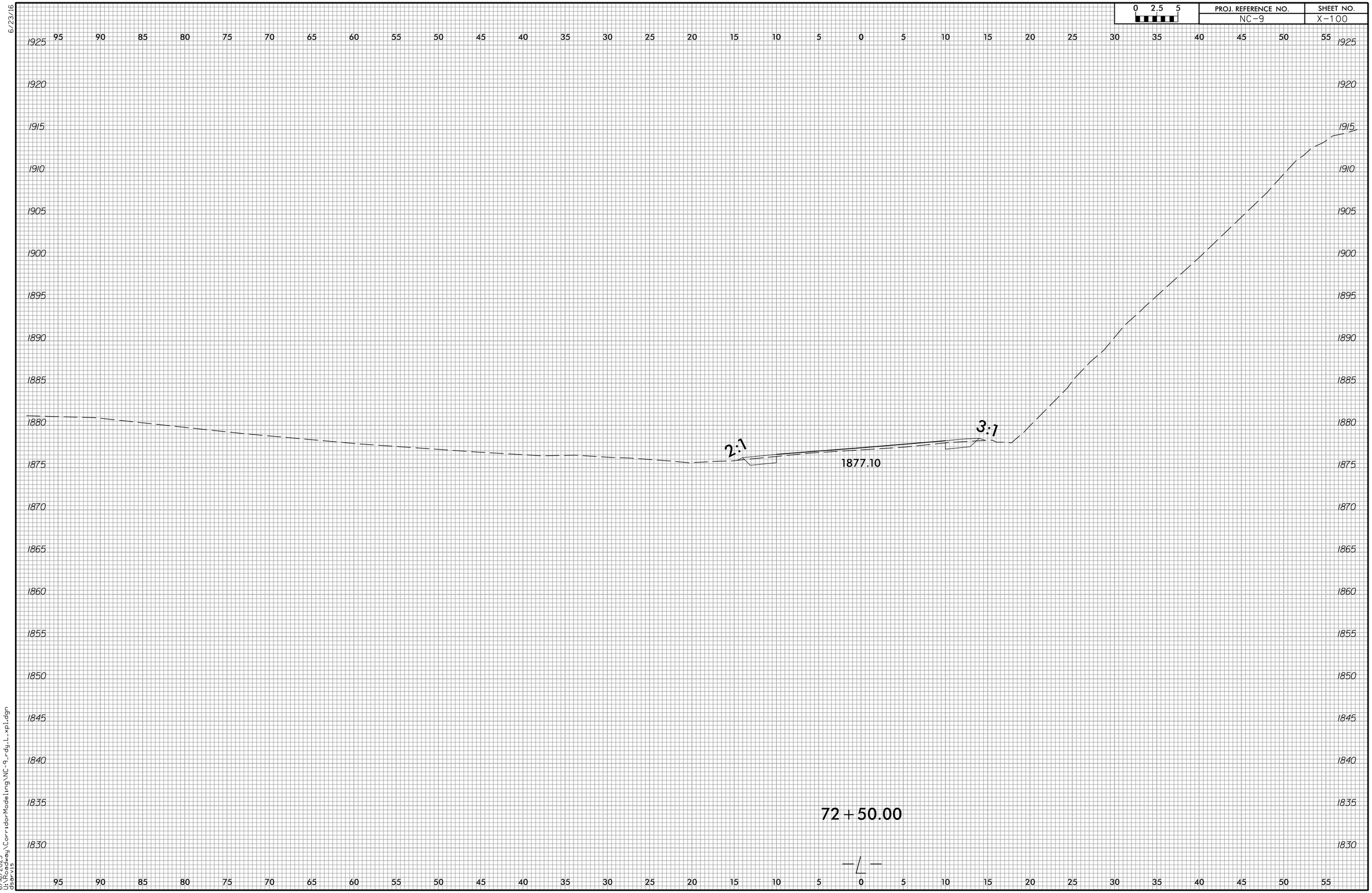
dservis



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6/16/2025
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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-101

1880.66

1880.52

3:1

2:1

73+00.00

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dservis

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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-102

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 50 55

1935 1930 1925 1920 1915 1910 1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840

2:1

1884.41

2:1 1.5:1

1883.80

73+50.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-103

1940 1935 1930 1925 1920 1915 1910 1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845

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 50 55

2:1

2:1

1888.16

74+00.00

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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-104

2:1

2:1

1891.83

74+50.00

6/16/2025
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dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-105

EX GR

2:1

2:1

1895.35

75+00.00

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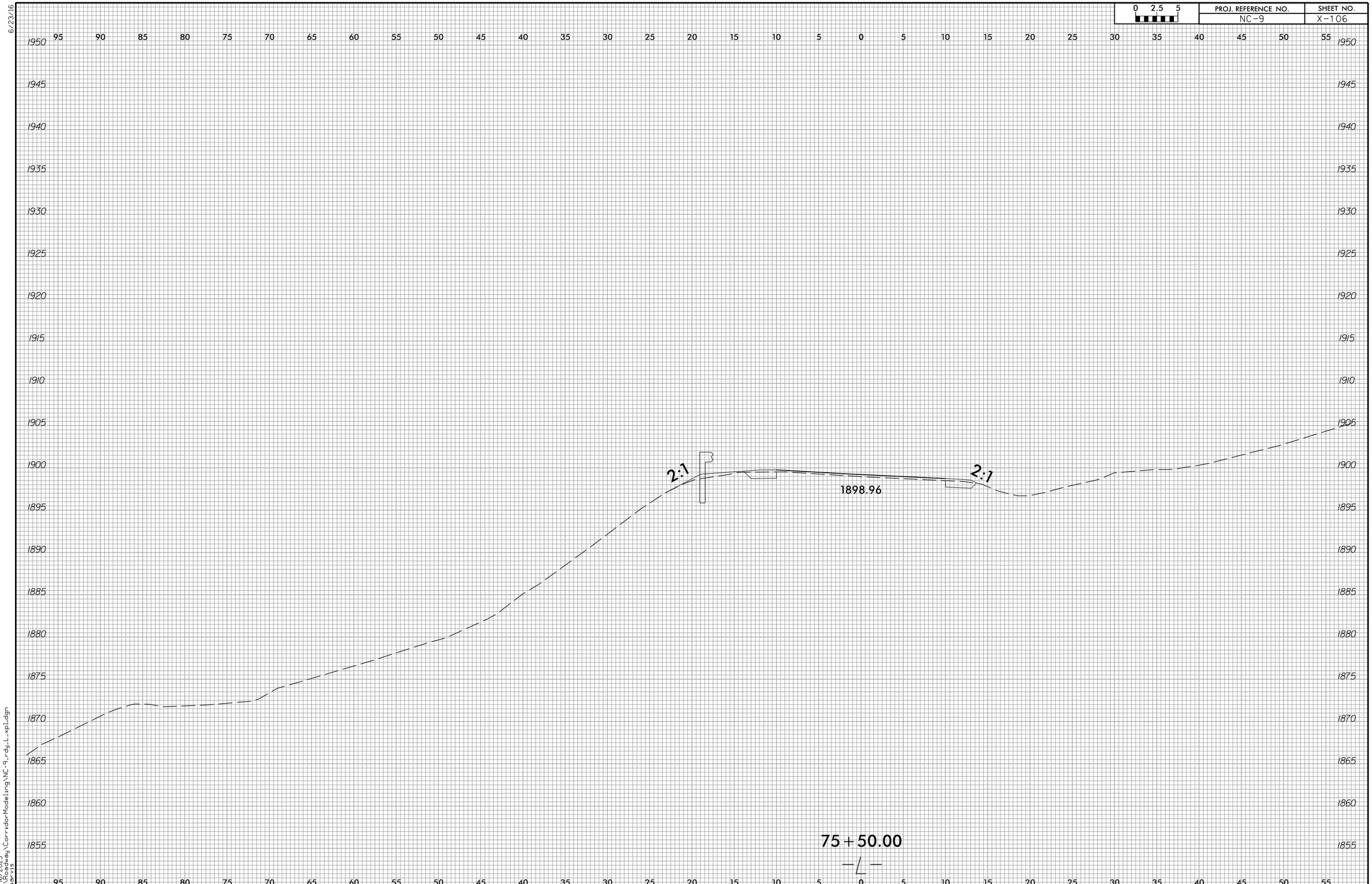
dsarvis



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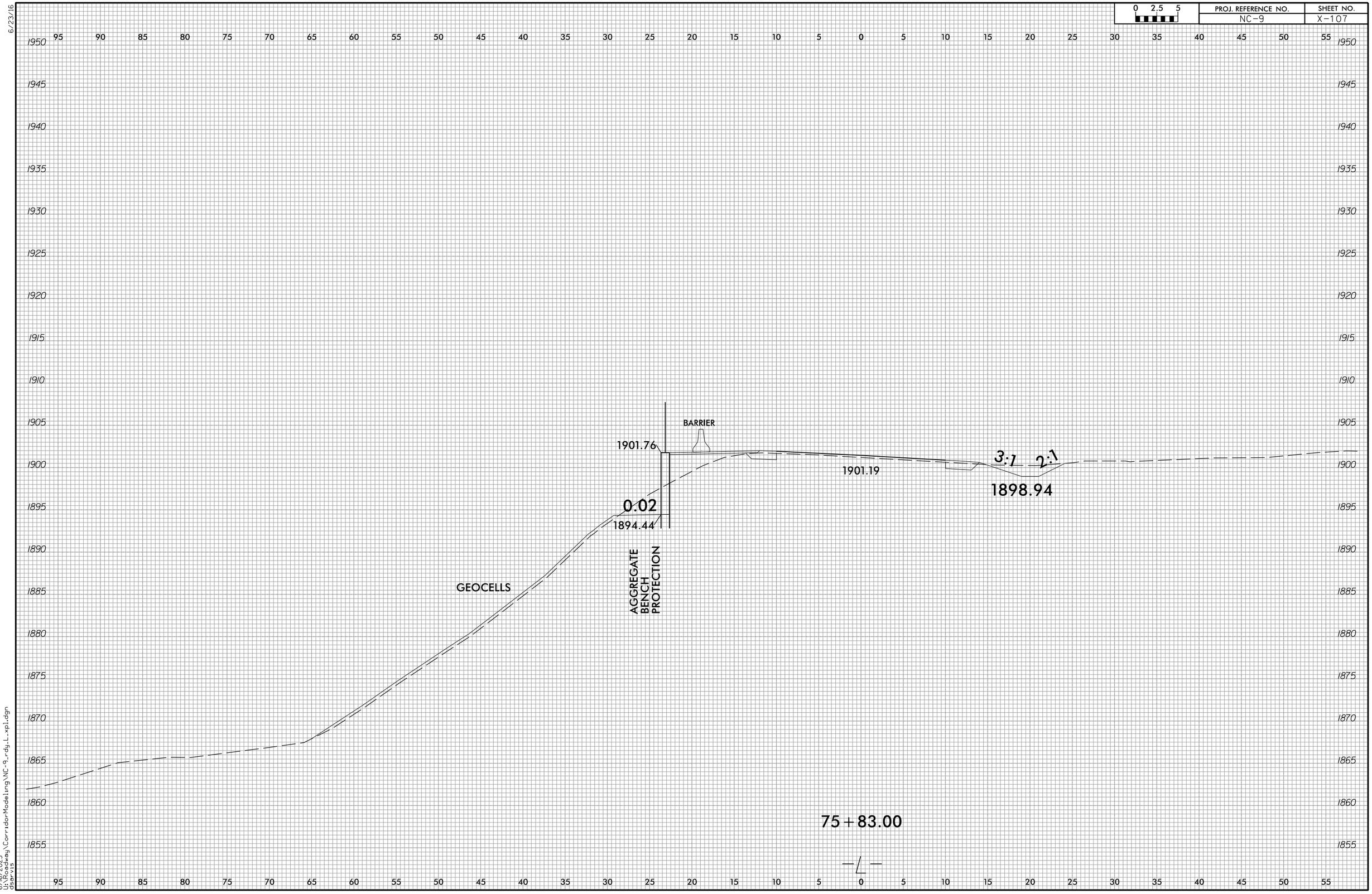
6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-107



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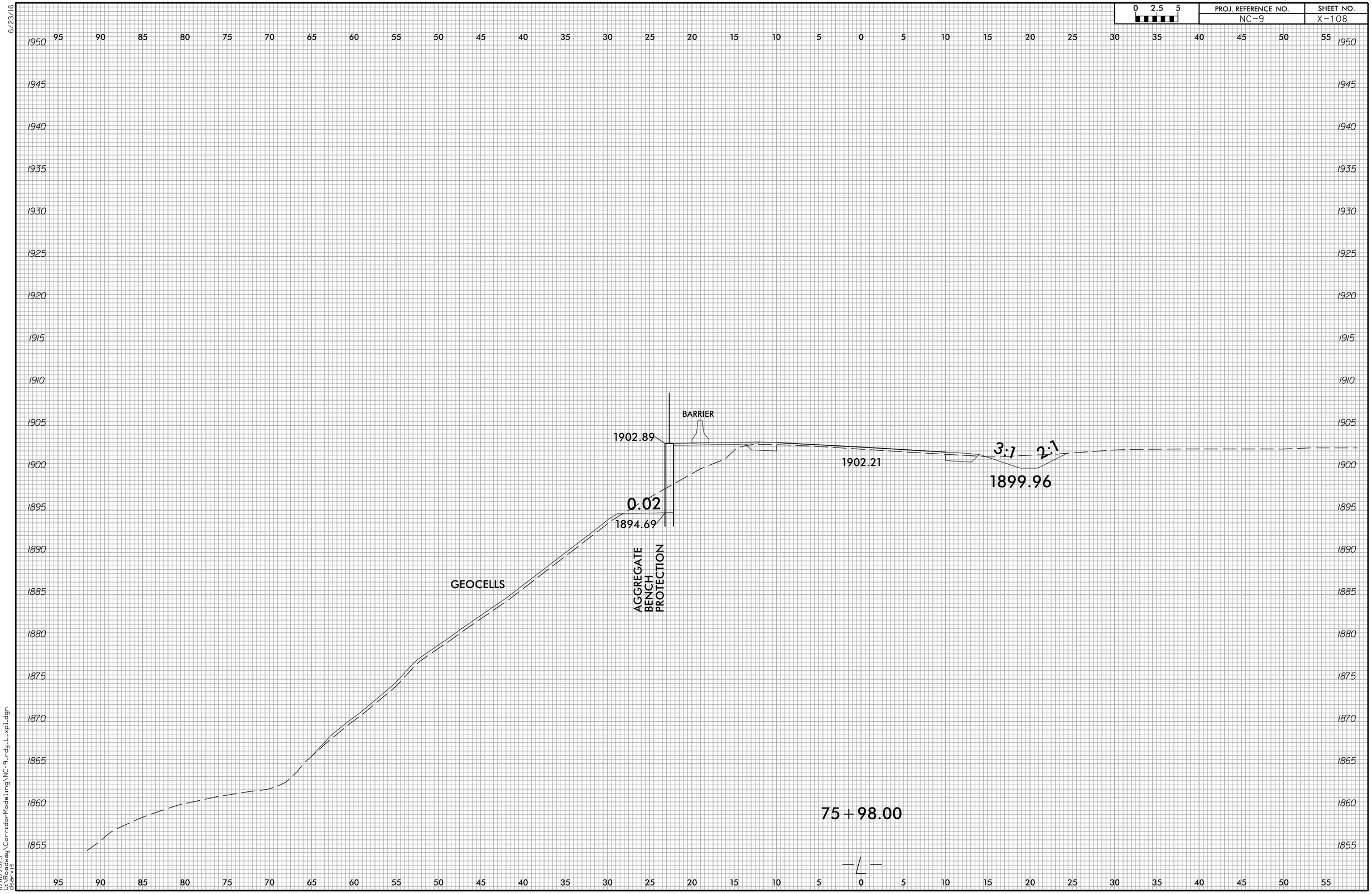
dservis



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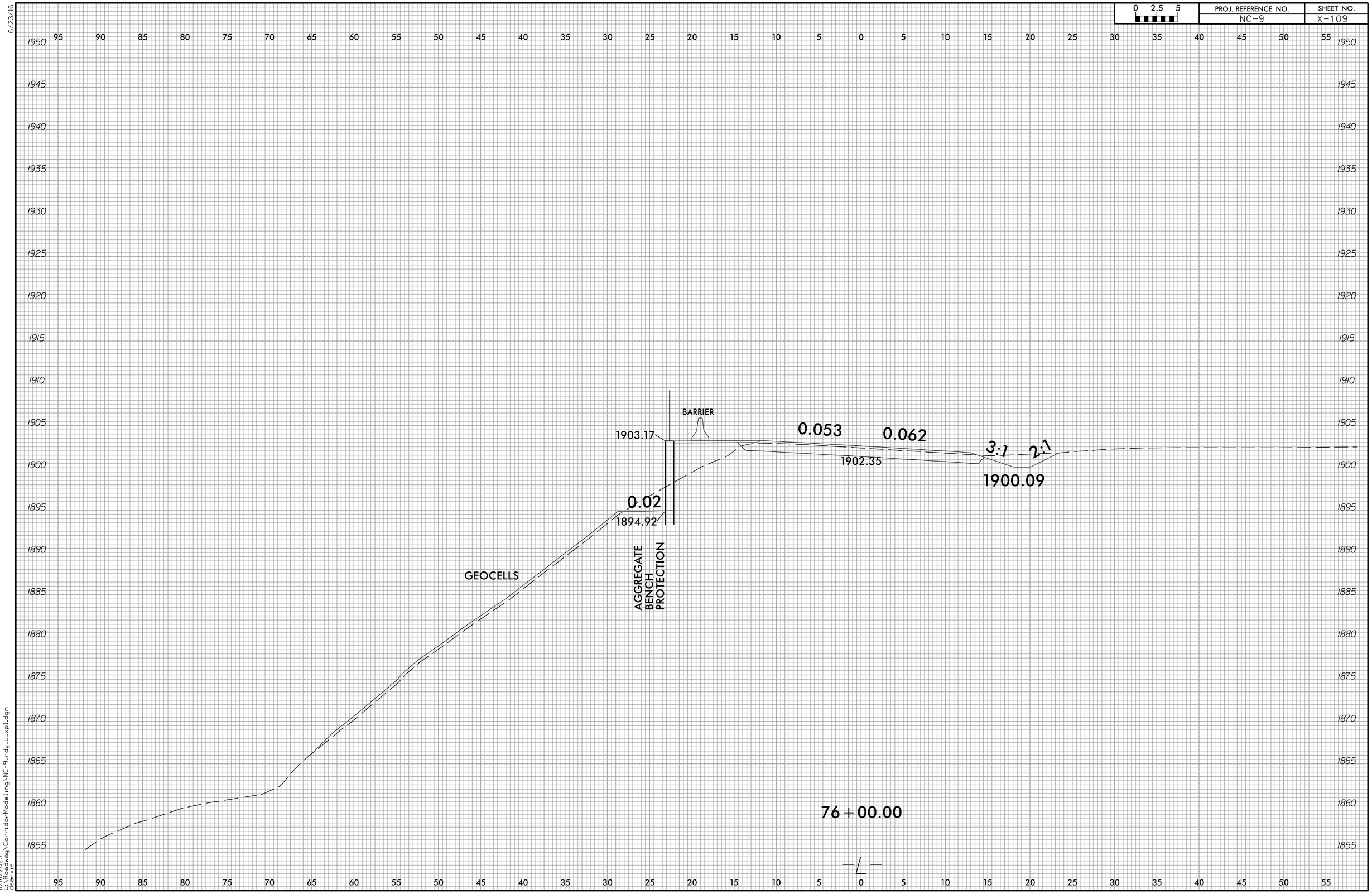
dsarvis



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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-110

BARRIER

1907.39

0.074

0.074

3:1

3:1

2:1

1905.83

1903.49

0.02

1896.64

AGGREGATE BENCH PROTECTION

GEOCELLS

76+50.00

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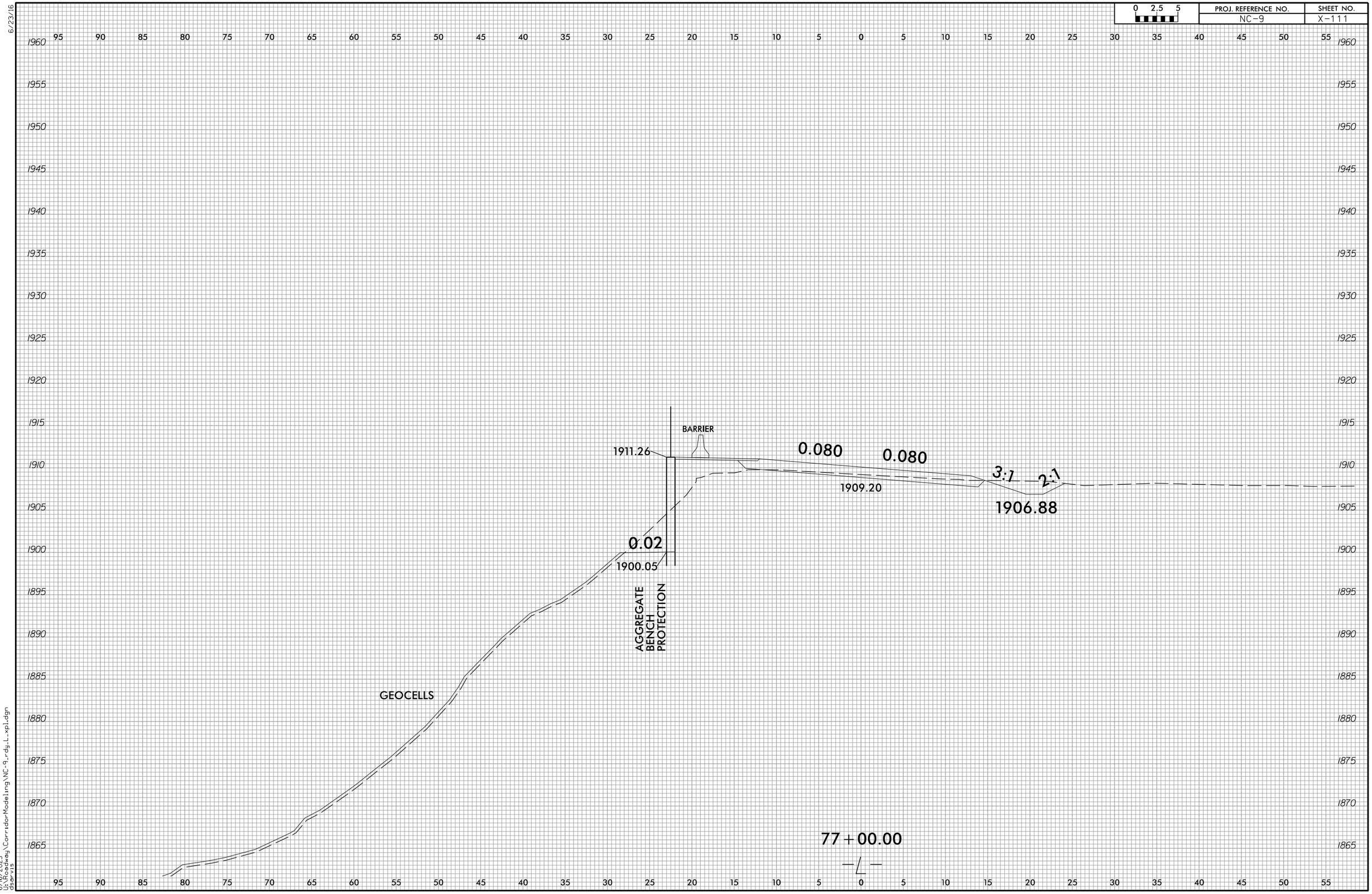
L:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-111



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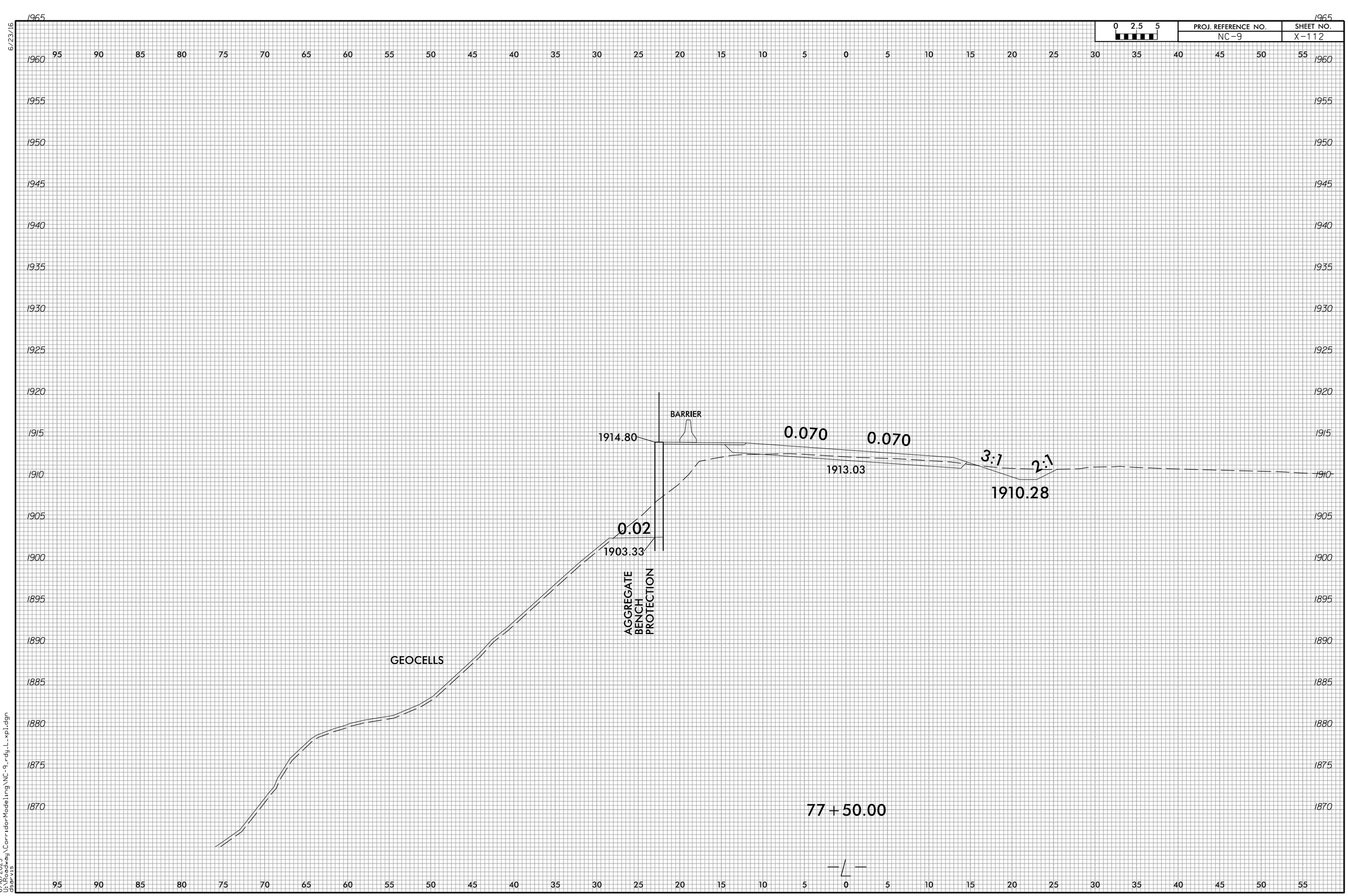
dsarvis



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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-113

BARRIER

1915.93

0.060

0.061

3:1

2:1

1914.41

1911.50

0.02

1907.53

AGGREGATE BENCH PROTECTION

GEOCELLS

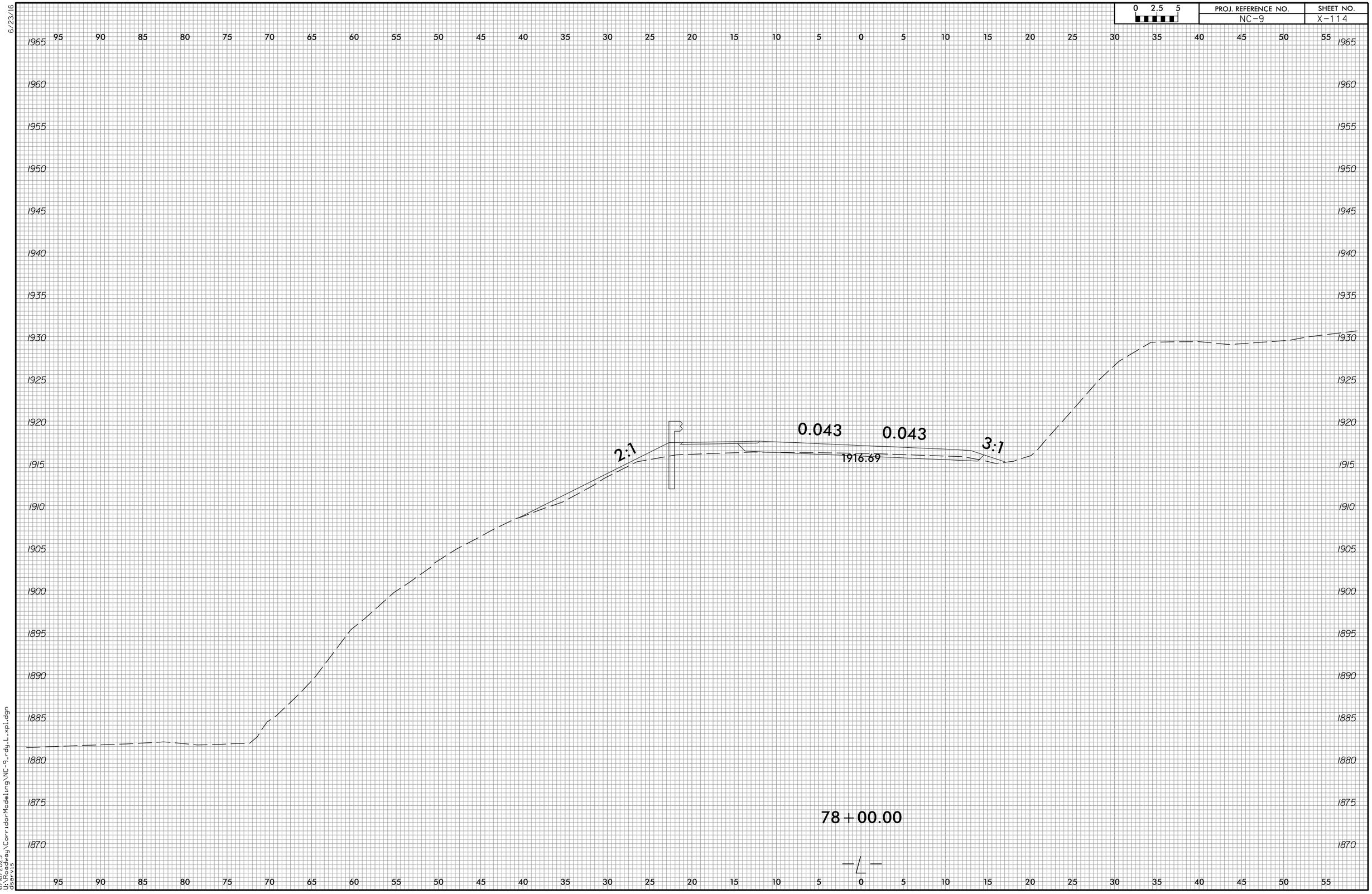
HYDROSEED

77+68.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-114



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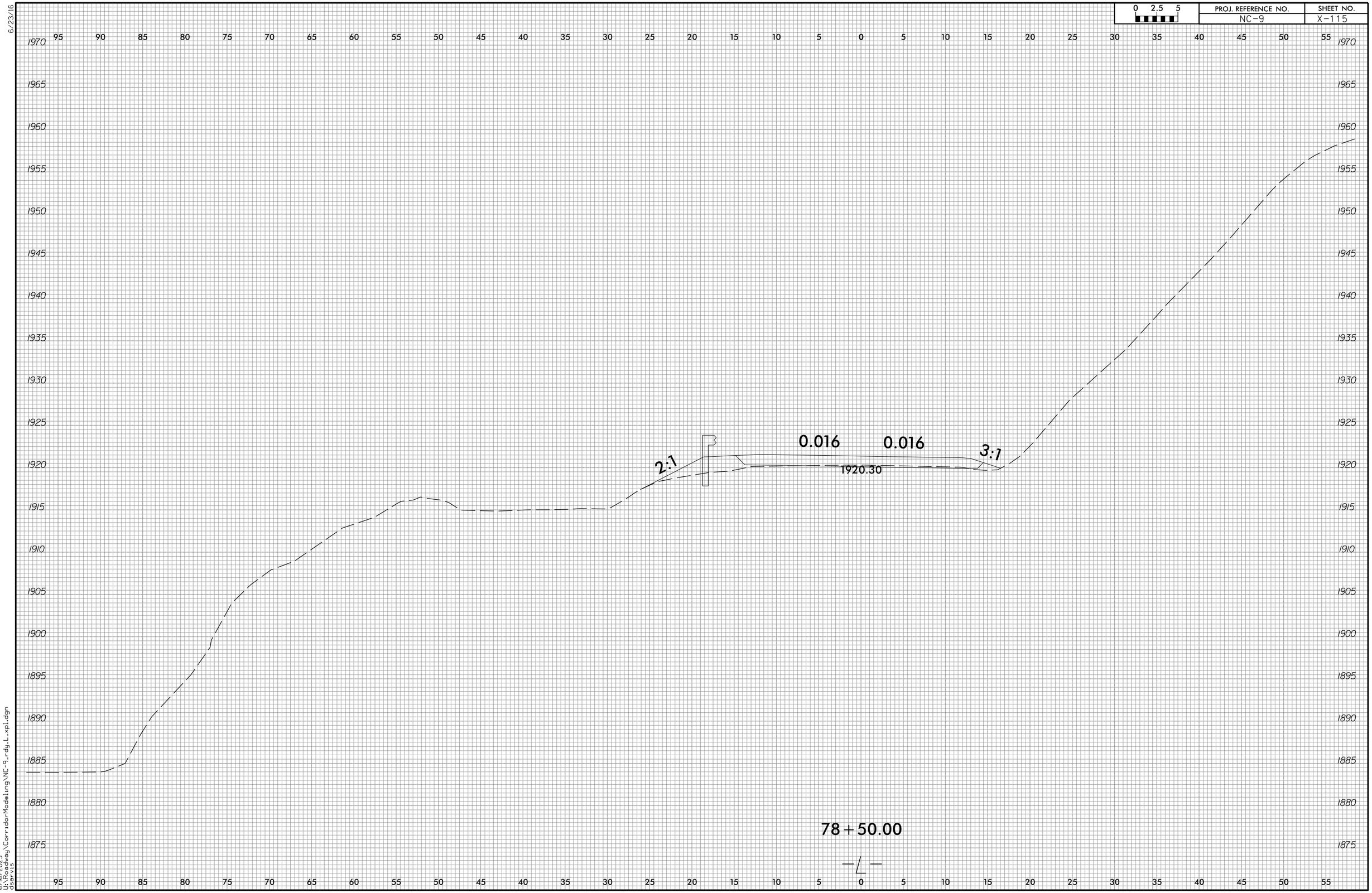
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-115



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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-116

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 50 55

1975 1970 1965 1960 1955 1950 1945 1940 1935 1930 1925 1920 1915 1910 1905 1900 1895 1890 1885 1880

0.010 0.010 3:1

1923.77

ROCK PLATING

1.6:1

79+00.00

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 50 55

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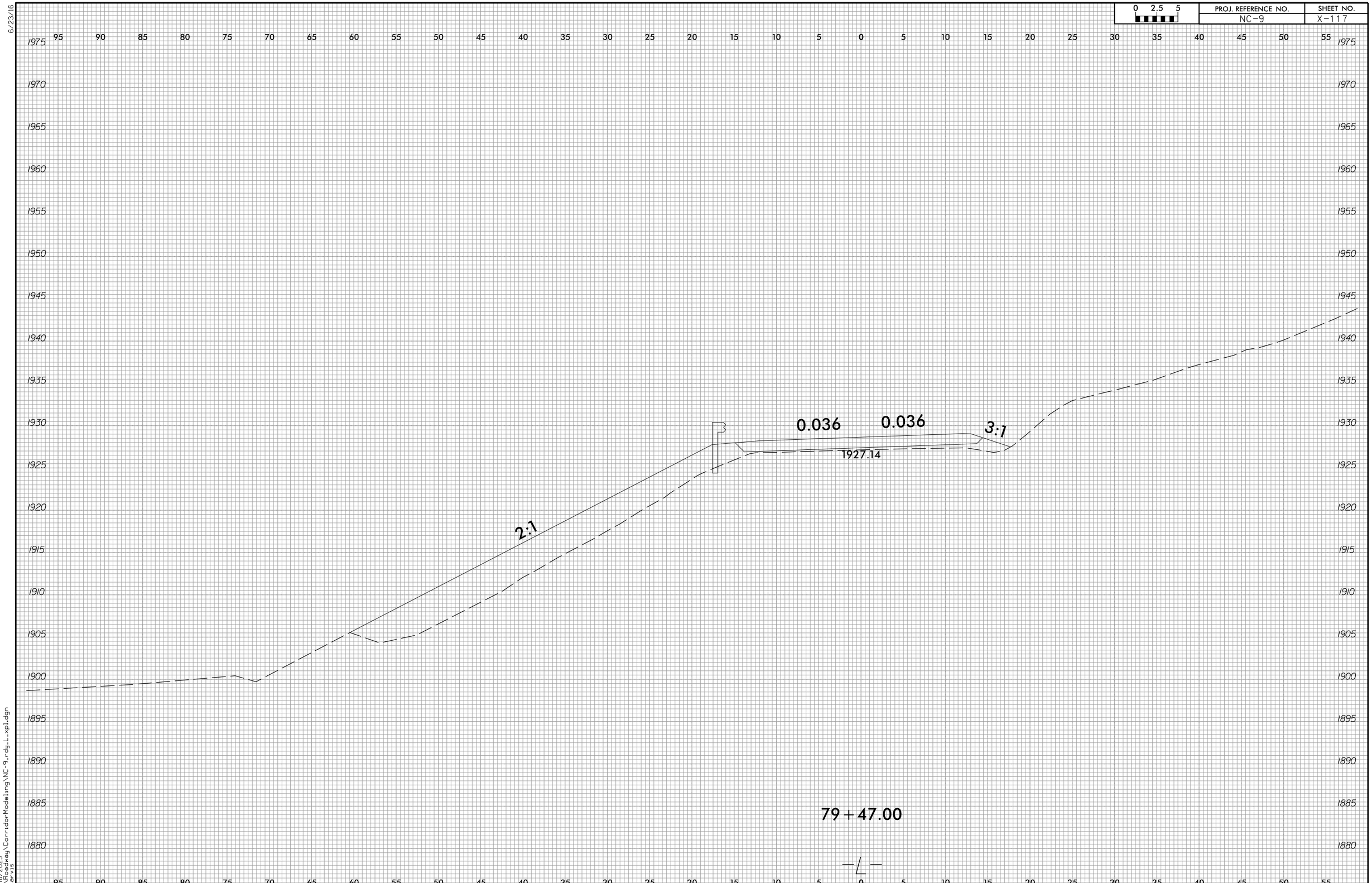
dsarvis



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6/16/2025
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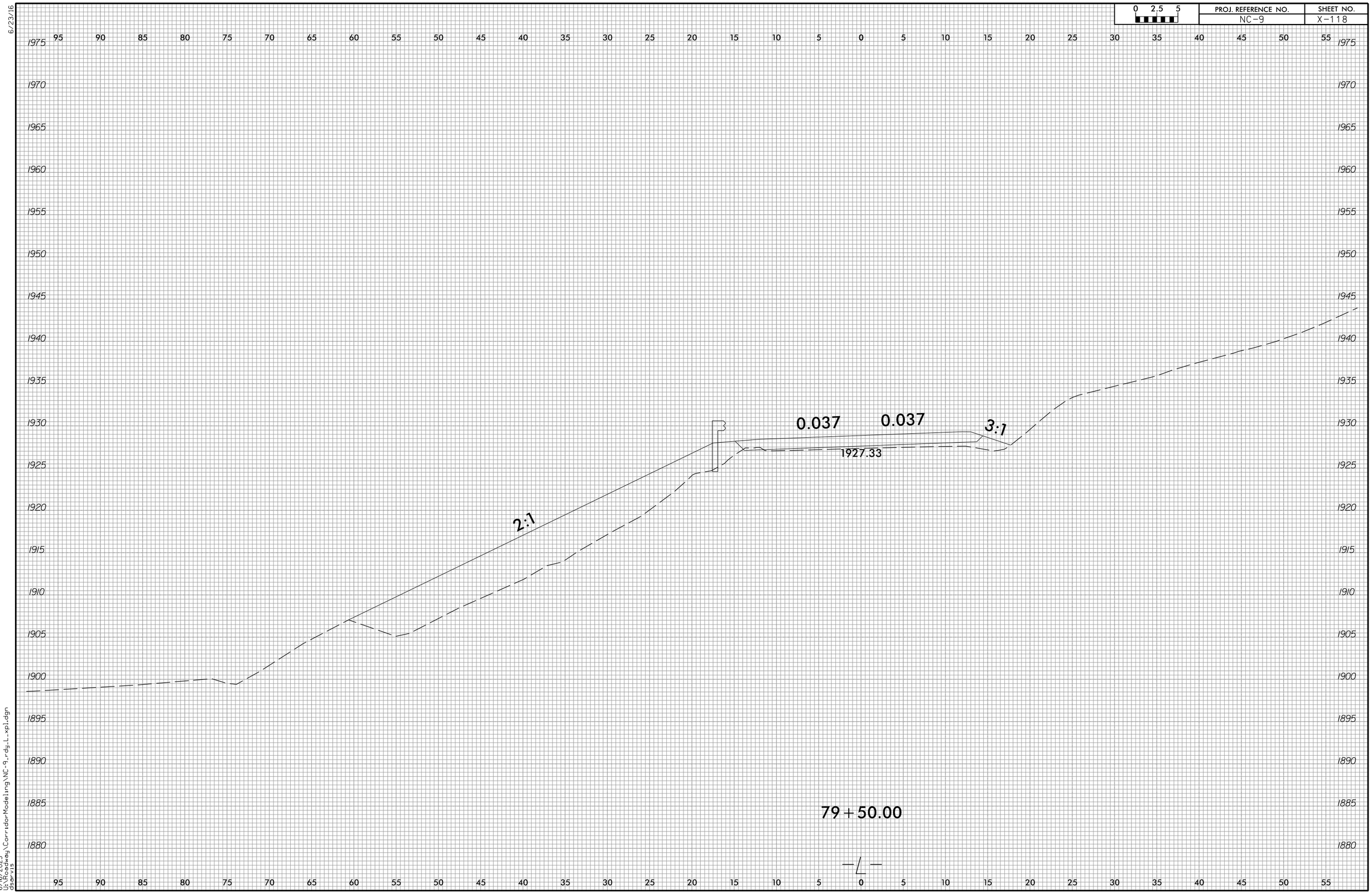
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-118



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dservis

6/23/16

0 2.5 5

PROJ. REFERENCE NO.	SHEET NO.
NC-9	X-119

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dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-120

0.064

0.064

3:1

1931.07

2.7:1

80+00.00

6/16/2025
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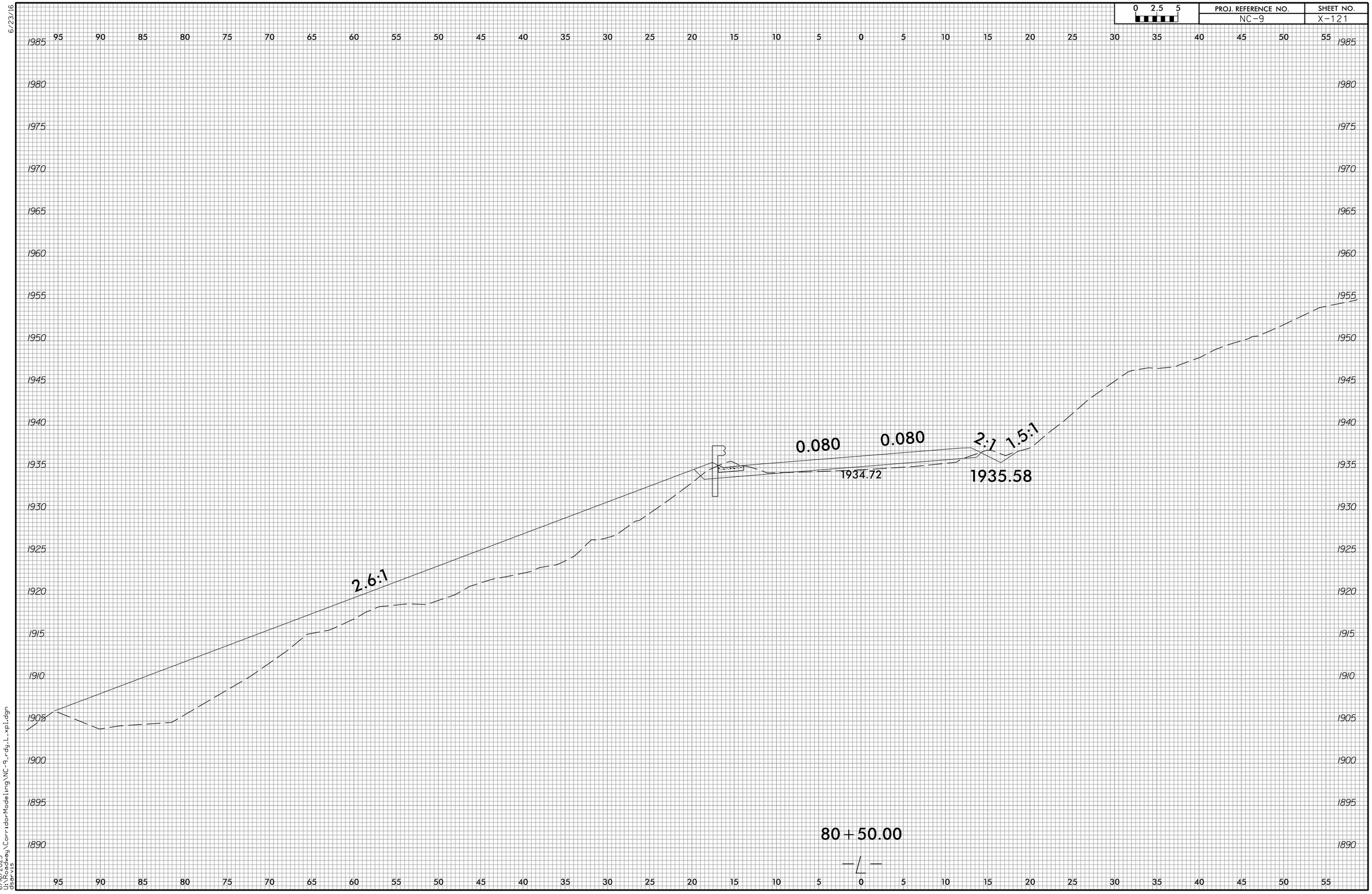
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-121



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L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-122

1990 1985 1980 1975 1970 1965 1960 1955 1950 1945 1940 1935 1930 1925 1920 1915 1910 1905 1900 1895

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 50 55

6.7:1

0.080

0.080

2:1

1.5:1

1938.51

1939.45

81+00.00

6/16/2025
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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-123

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 50 55

1990 1985 1980 1975 1970 1965 1960 1955 1950 1945 1940 1935 1930 1925 1920 1915 1910 1905 1900 1895

5.7:1

0.080

0.080

2:1

1.5:1

1940.83

1941.93

81+32.00

6/16/2025
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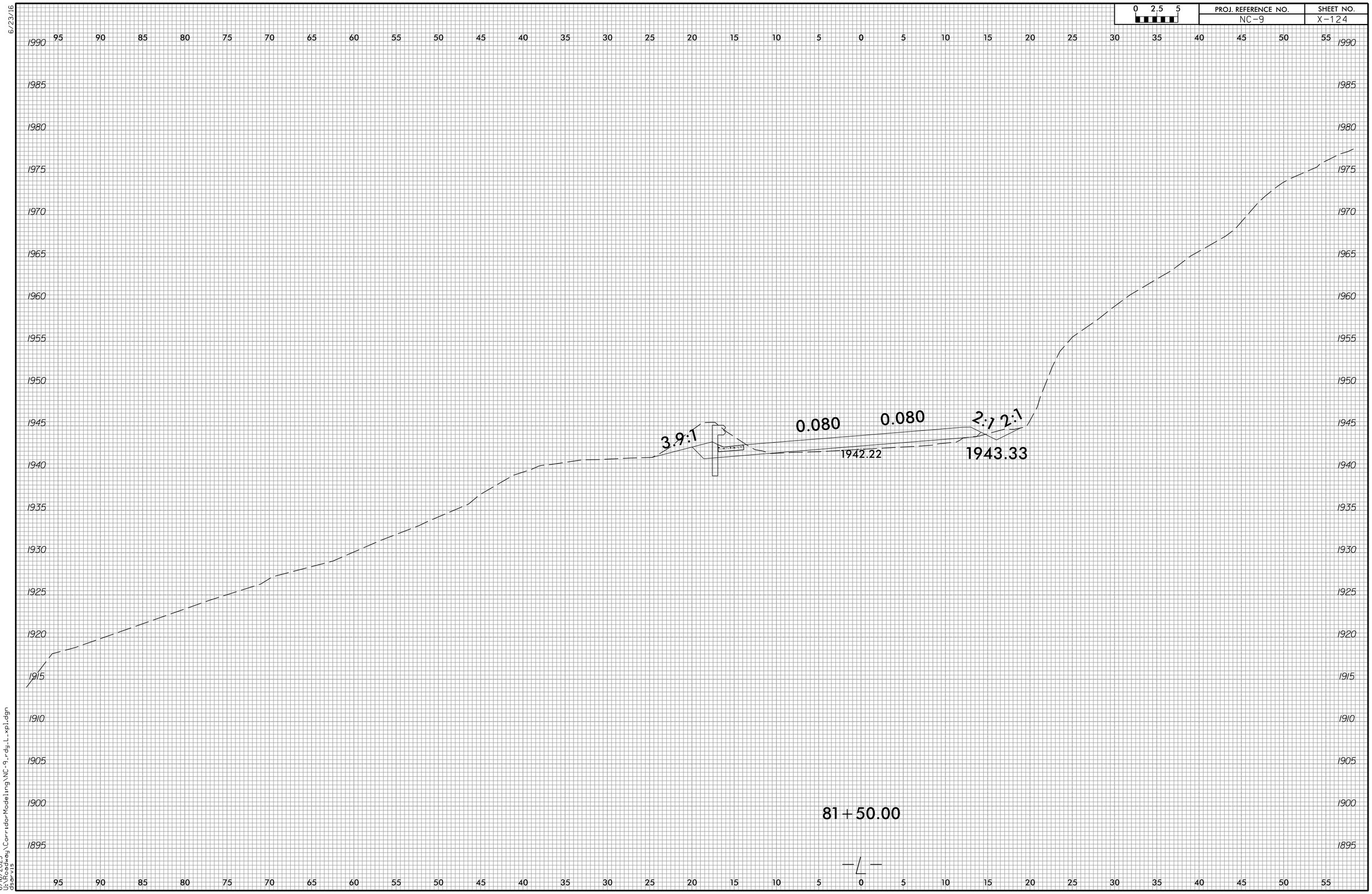
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-124



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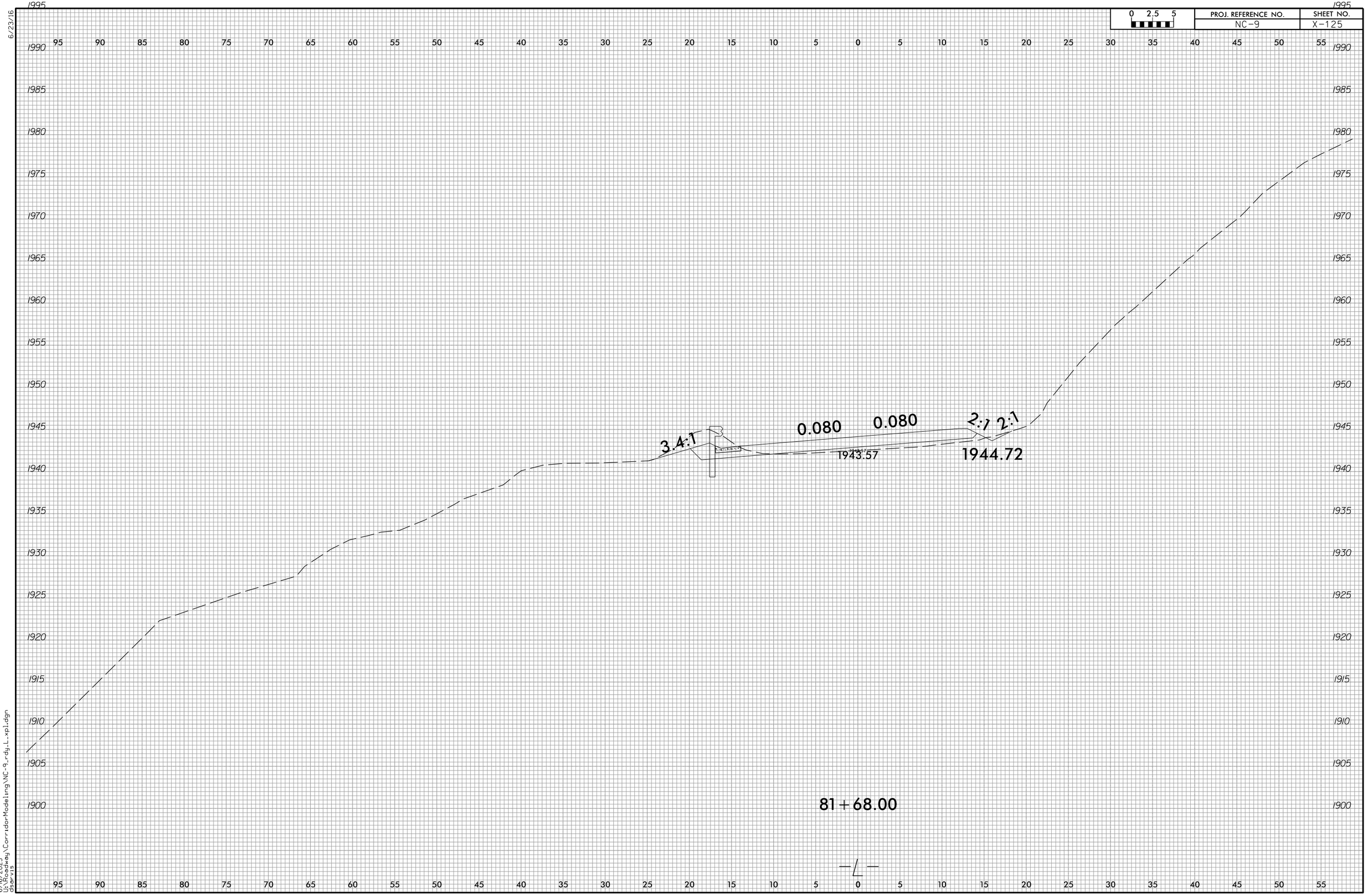
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-125



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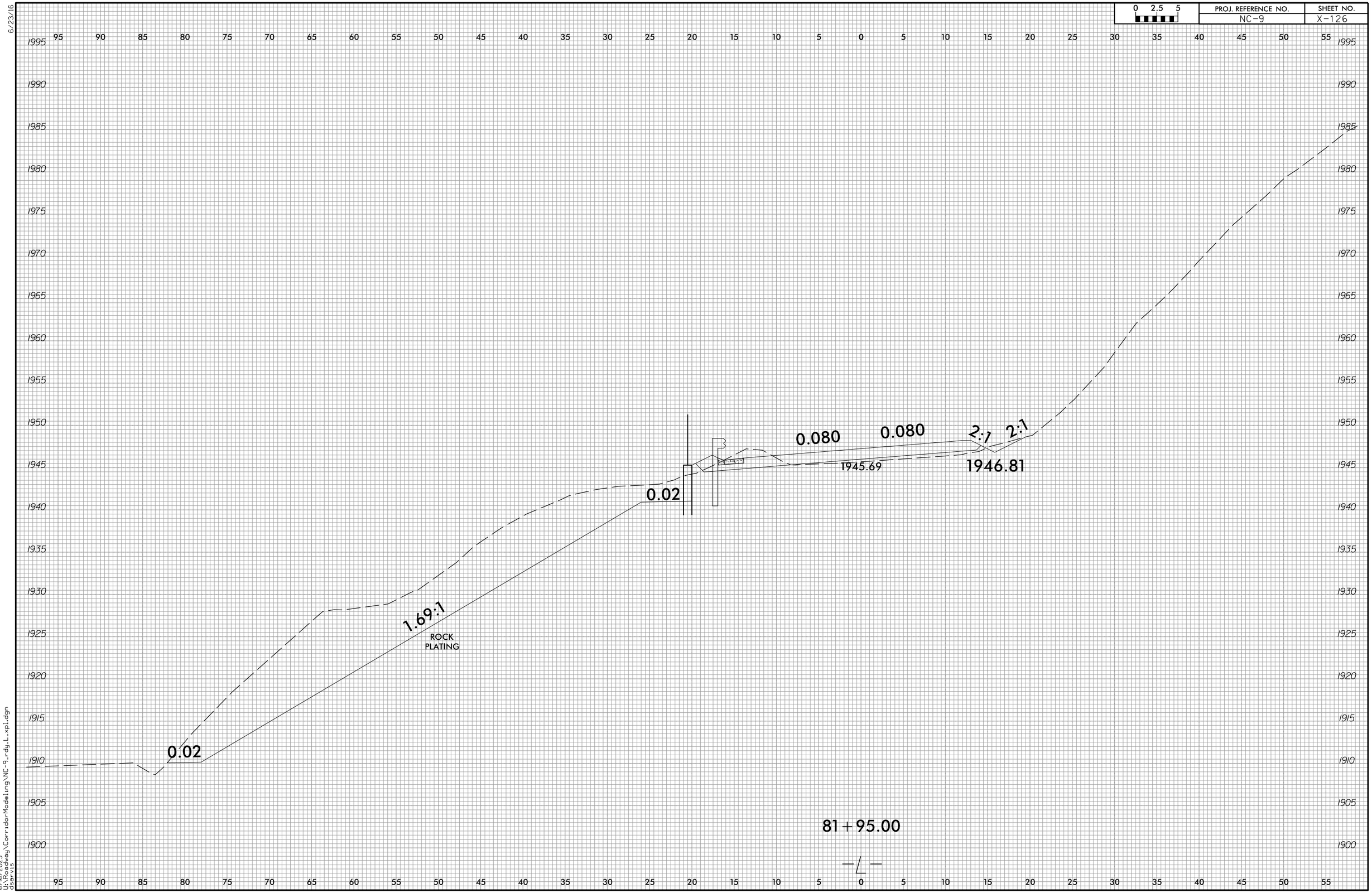
D:\Projects\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-126



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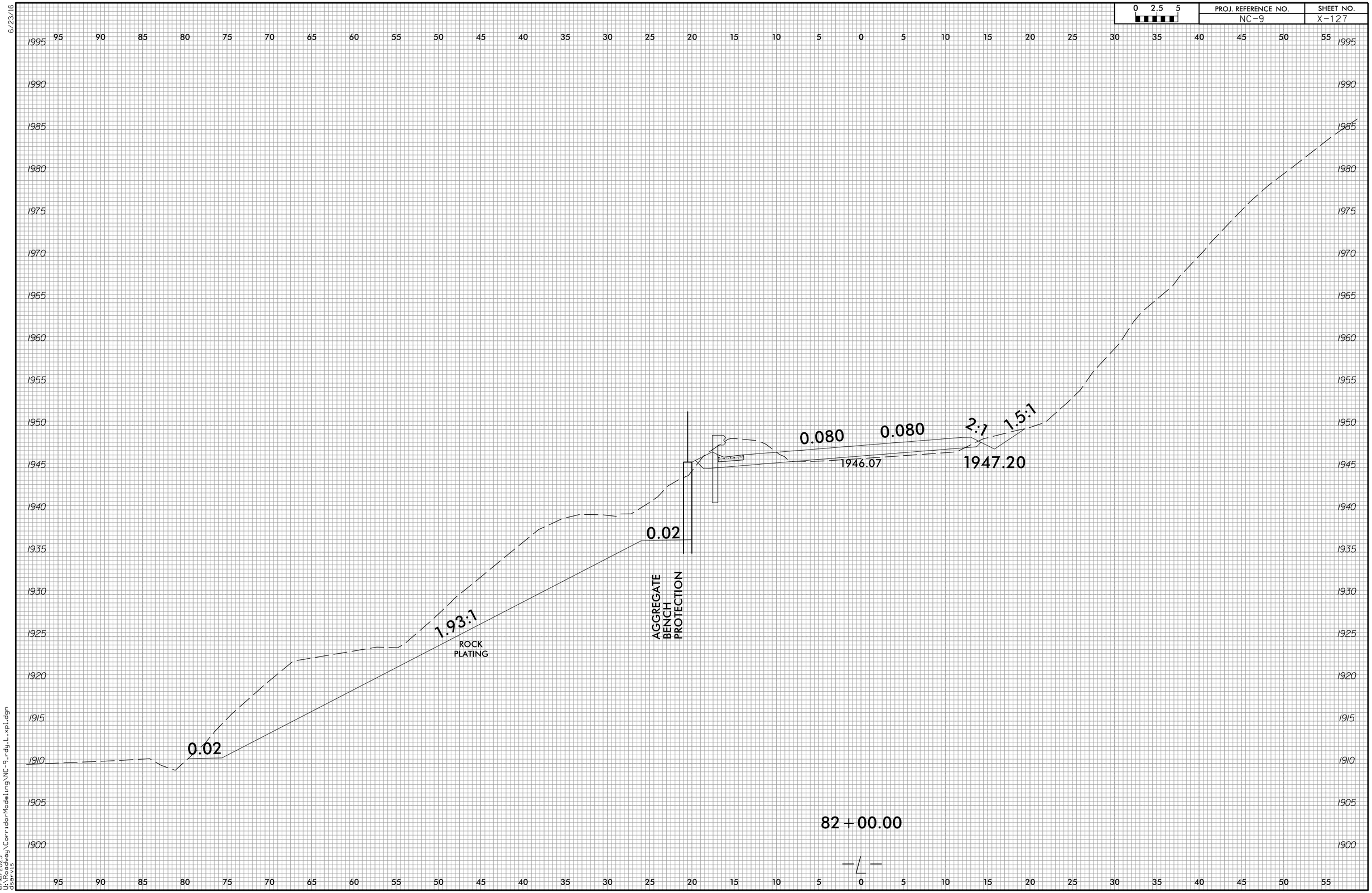
dservis



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6/16/2025
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dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-128

2000 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 50 55 2000

1995 1995
1990 1990
1985 1985
1980 1980
1975 1975
1970 1970
1965 1965
1960 1960
1955 1955
1950 1950
1945 1945
1940 1940
1935 1935
1930 1930
1925 1925
1920 1920
1915 1915
1910 1910
1905 1905

0.080 0.080 2:1

1948.81

0.02

2.2:1

ROCK PLATING

AGGREGATE BENCH PROTECTION

0.02

82+37.00

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 50 55

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dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-129

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 50 55

2000
1995
1990
1985
1980
1975
1970
1965
1960
1955
1950
1945
1940
1935
1930
1925
1920
1915
1910
1905

0.080 0.080 3:1 2:1

1949.77

0.02

1.73:1

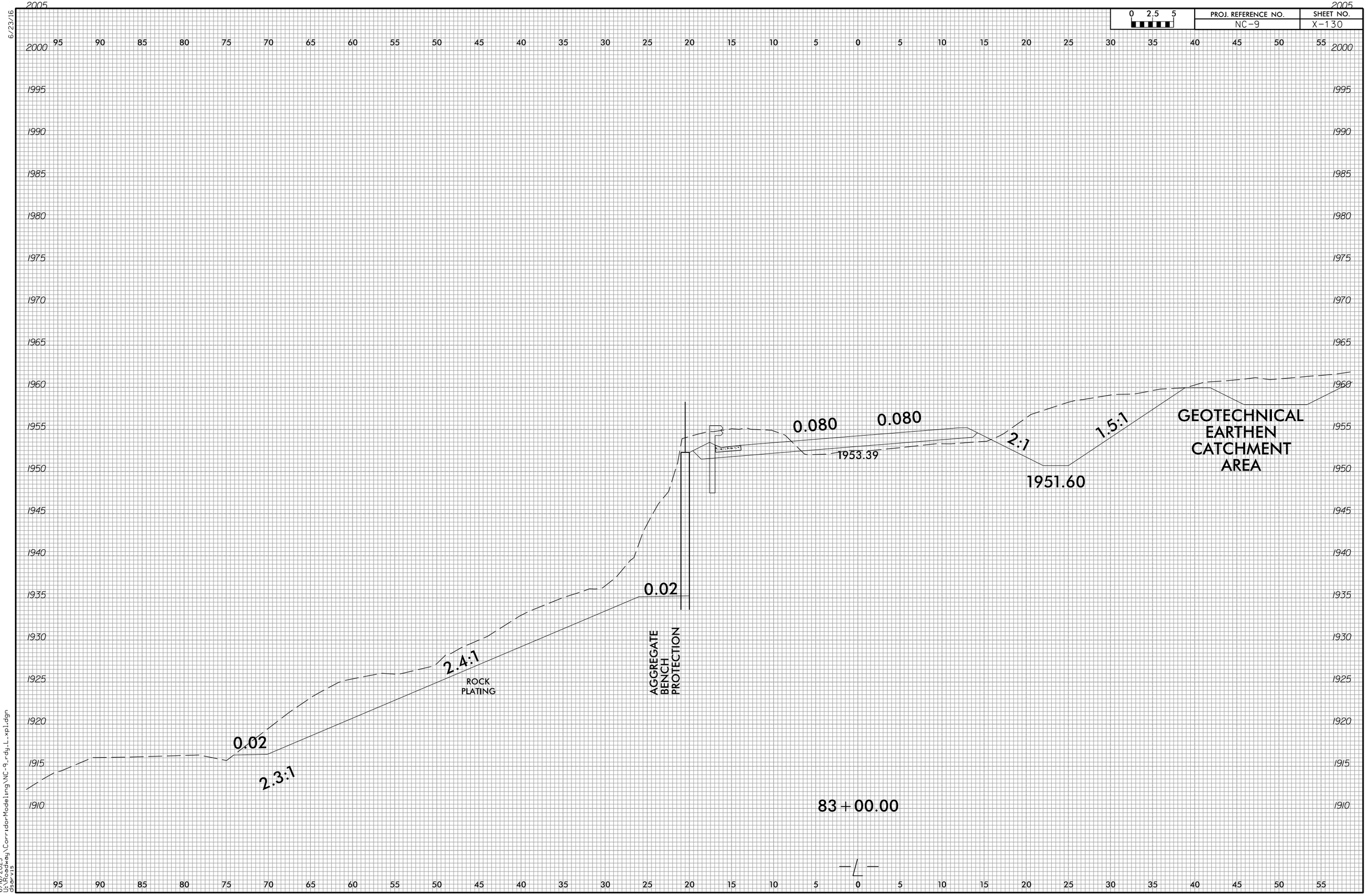
ROCK PLATING

AGGREGATE BENCH PROTECTION

0.02

82+50.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dsarvis

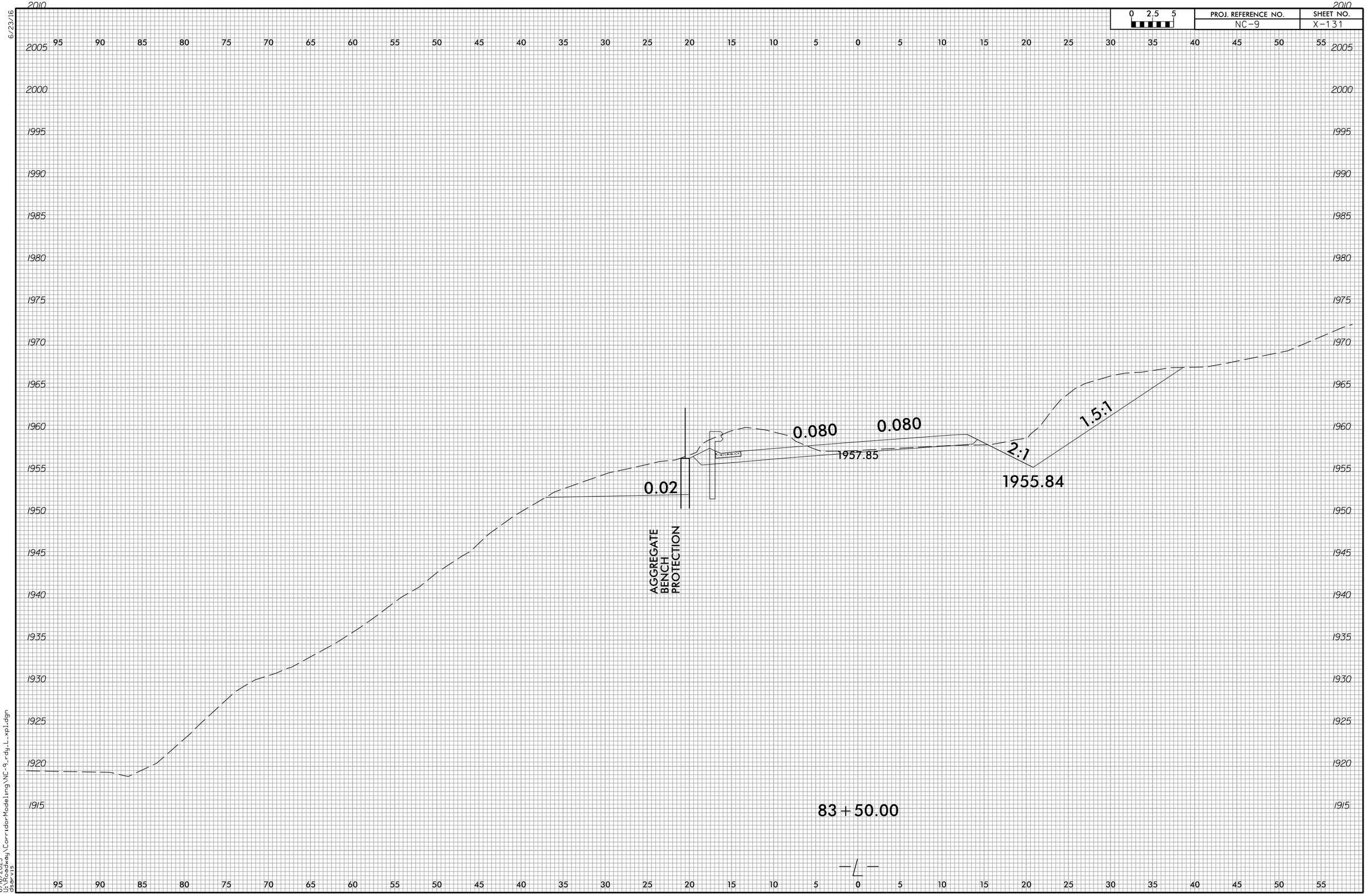


6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

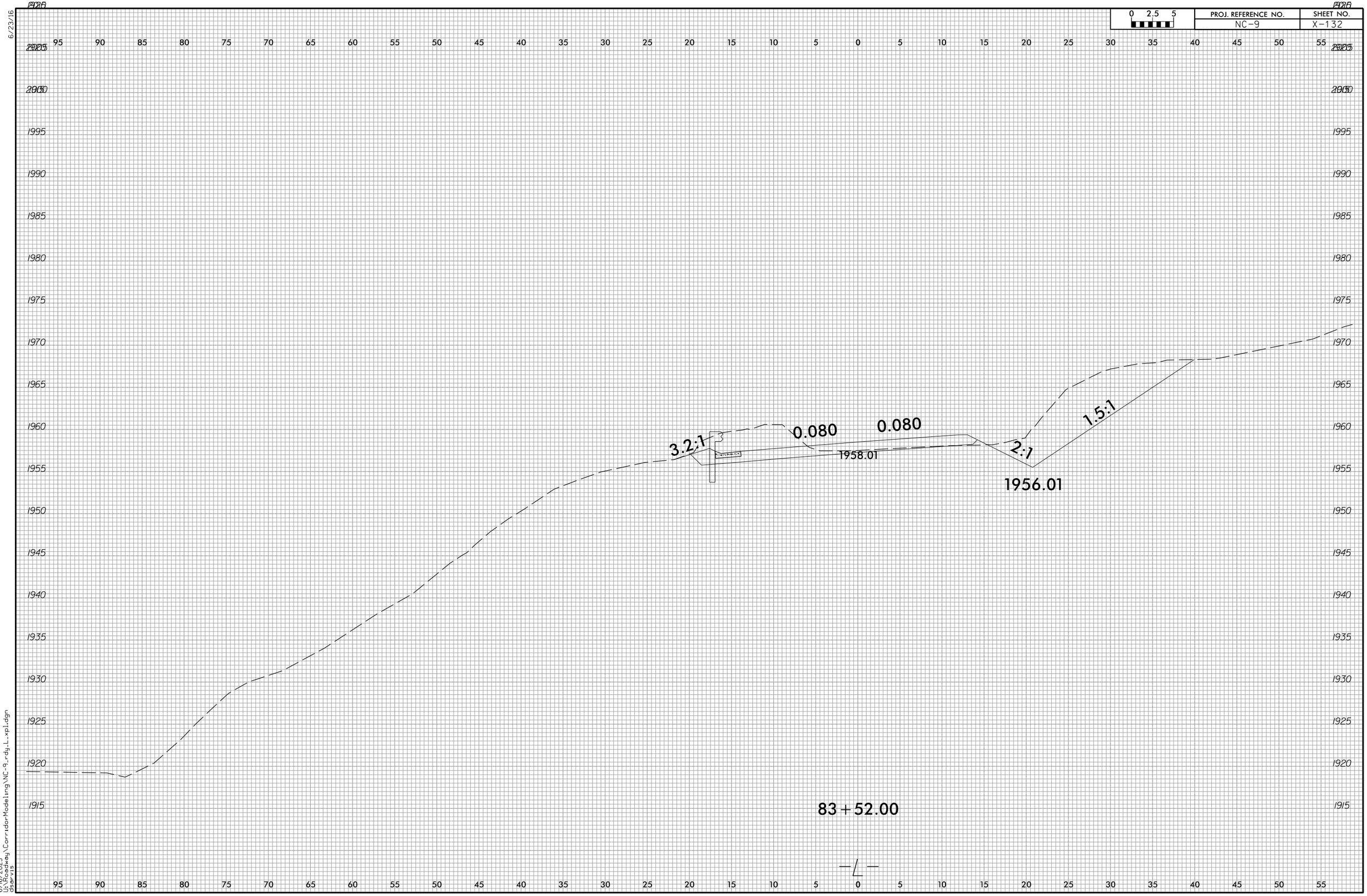
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-131



6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dgarvis

6/23/16

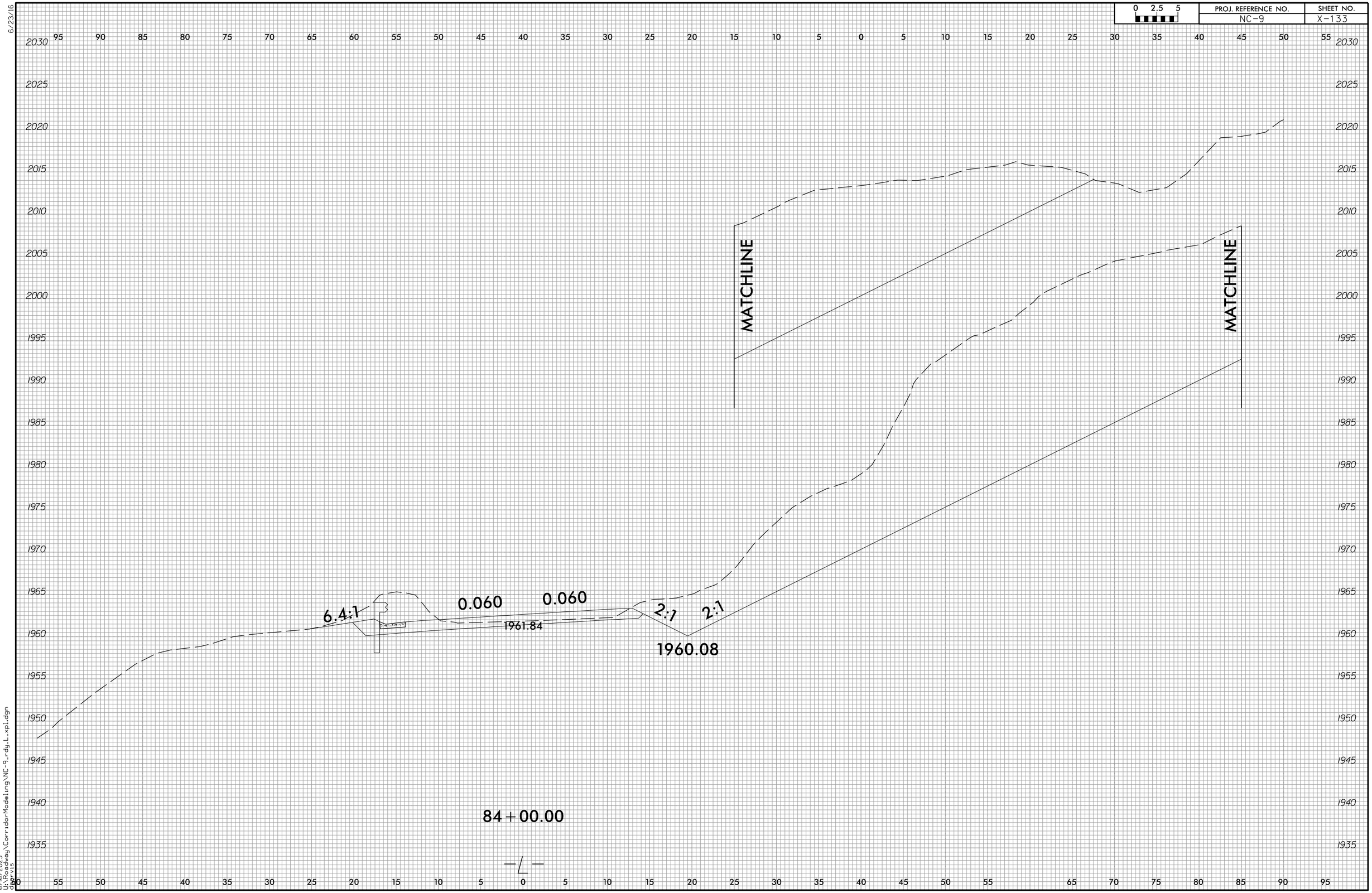
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-132



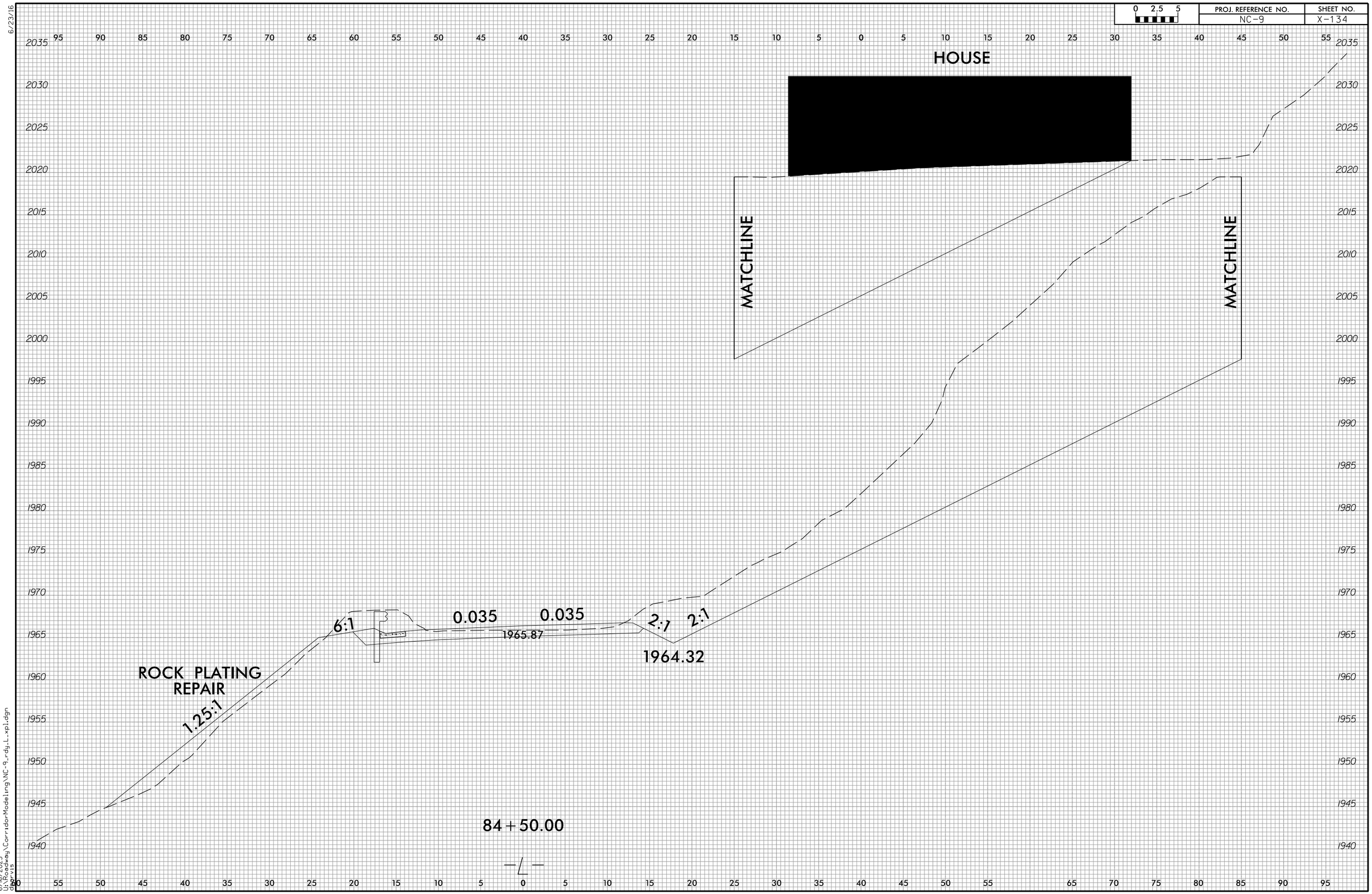
6/16/2025
D:\R_Data\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-133



6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dgnarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dgarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-135

HOUSE

MATCHLINE

MATCHLINE

3.6:1

0.022

0.022

2:1 2:1

1967.90

1966.52

84+76.00

6/16/2025
D:\RoadwayCorridorModeling\NC-9_rdy_Lxpl.dgn
dervis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-136

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 50 55

2040
2035
2030
2025
2020
2015
2010
2005
2000
1995
1990
1985
1980
1975
1970
1965
1960
1955
1950
1945

3.1:1

1969.88

2:1

1.5:1

1968.56

85+00.00

—℄—

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

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dgnarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-137

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 50 55

2025
2020
2015
2010
2005
2000
1995
1990
1985
1980
1975
1970
1965
1960
1955
1950
1945
1940
1935
1930

0.02

1974.01

2:1

1.5:1

1972.80

85+50.00

—℄—

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-138

2030 2025 2020 2015 2010 2005 2000 1995 1990 1985 1980 1975 1970 1965 1960 1955 1950 1945 1940 1935

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 50 55

2:1

3:1

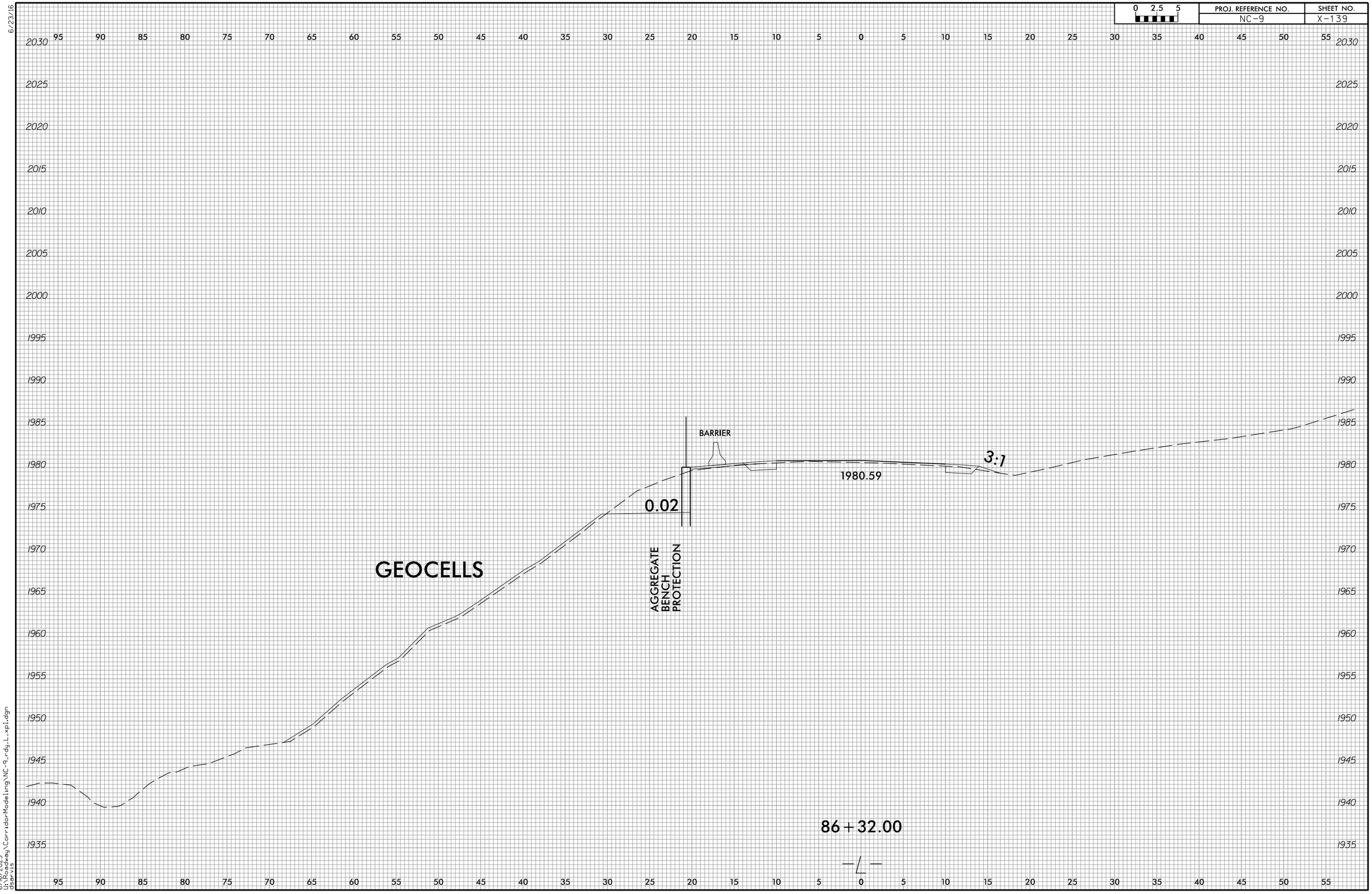
1978.05

86+00.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-139



6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-140

BARRIER

3:1

1981.97

0.02

GEOCELLS

AGGREGATE BENCH PROTECTION

86+50.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-141

BARRIER

3:1

1983.75

0.02

GEOCELLS

AGGREGATE BENCH PROTECTION

86+75.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-142

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-143

2035 2030 2025 2020 2015 2010 2005 2000 1995 1990 1985 1980 1975 1970 1965 1960 1955 1950 1945 1940

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 50 55

2:1

1986.76

3:1

87+15.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-144

3:1

1989.65

87+50.00

—L—

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-145

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 50 55

2045
2040
2035
2030
2025
2020
2015
2010
2005
2000
1995
1990
1985
1980
1975
1970
1965
1960
1955
1950

2:1

3:1

1993.76

88+00.00

—L—

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-146

2:1

3:1

1997.82

88+50.00

6/16/2025
C:\Projects\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-147

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 50 55

2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990 1985 1980 1975 1970 1965 1960 1955

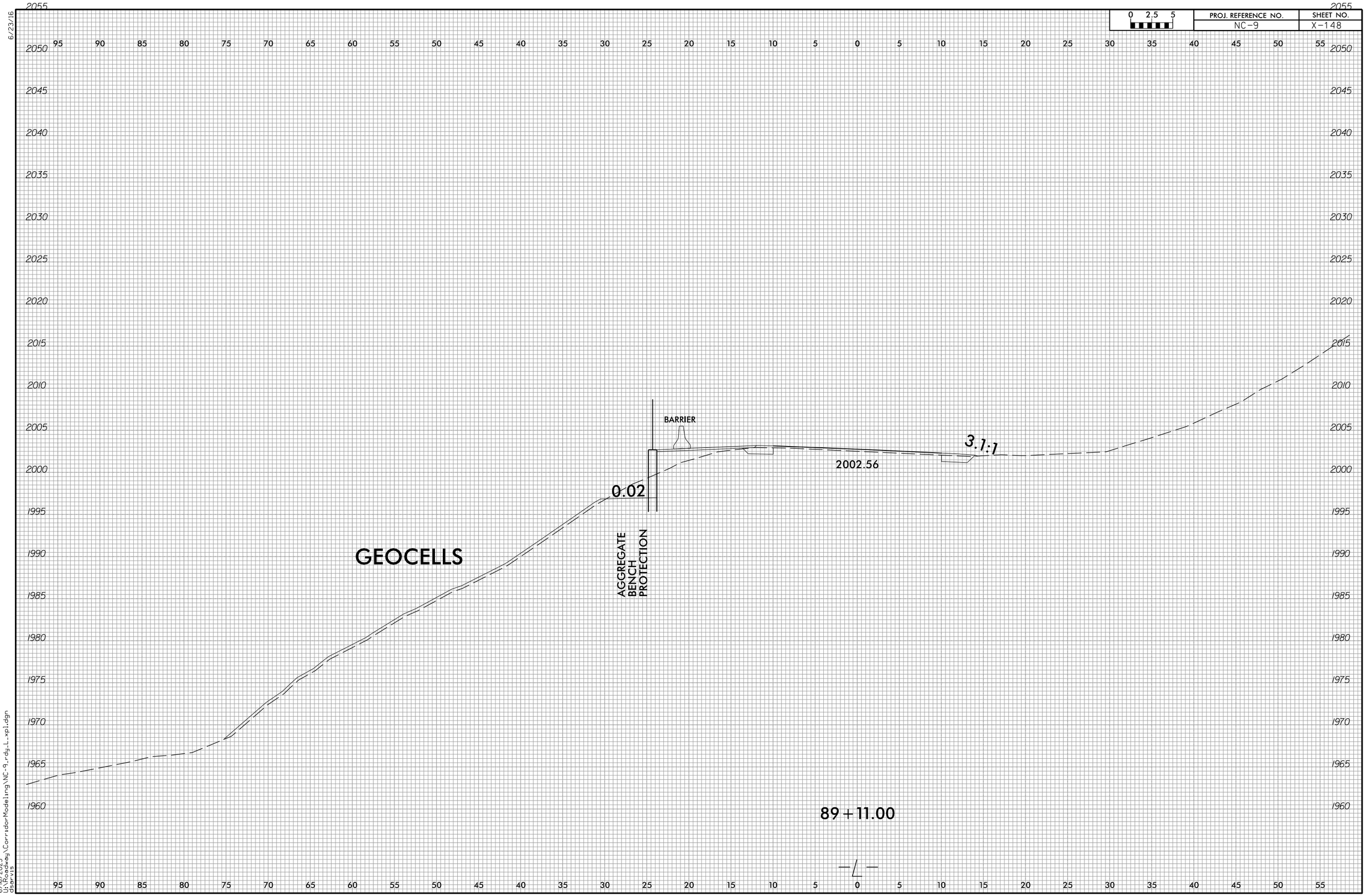
2:1

3:1

2001.71

89+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dsarvis

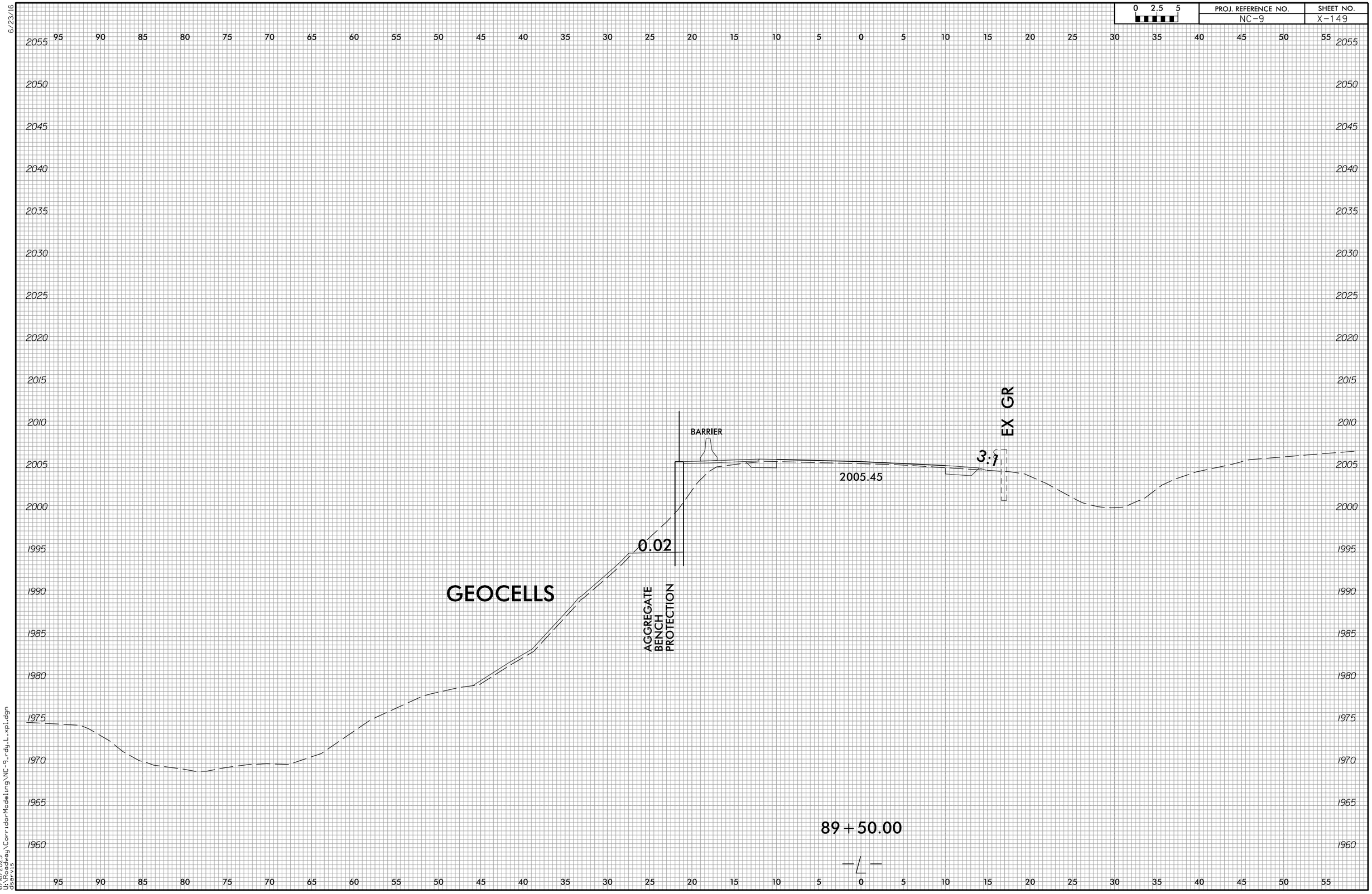


6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

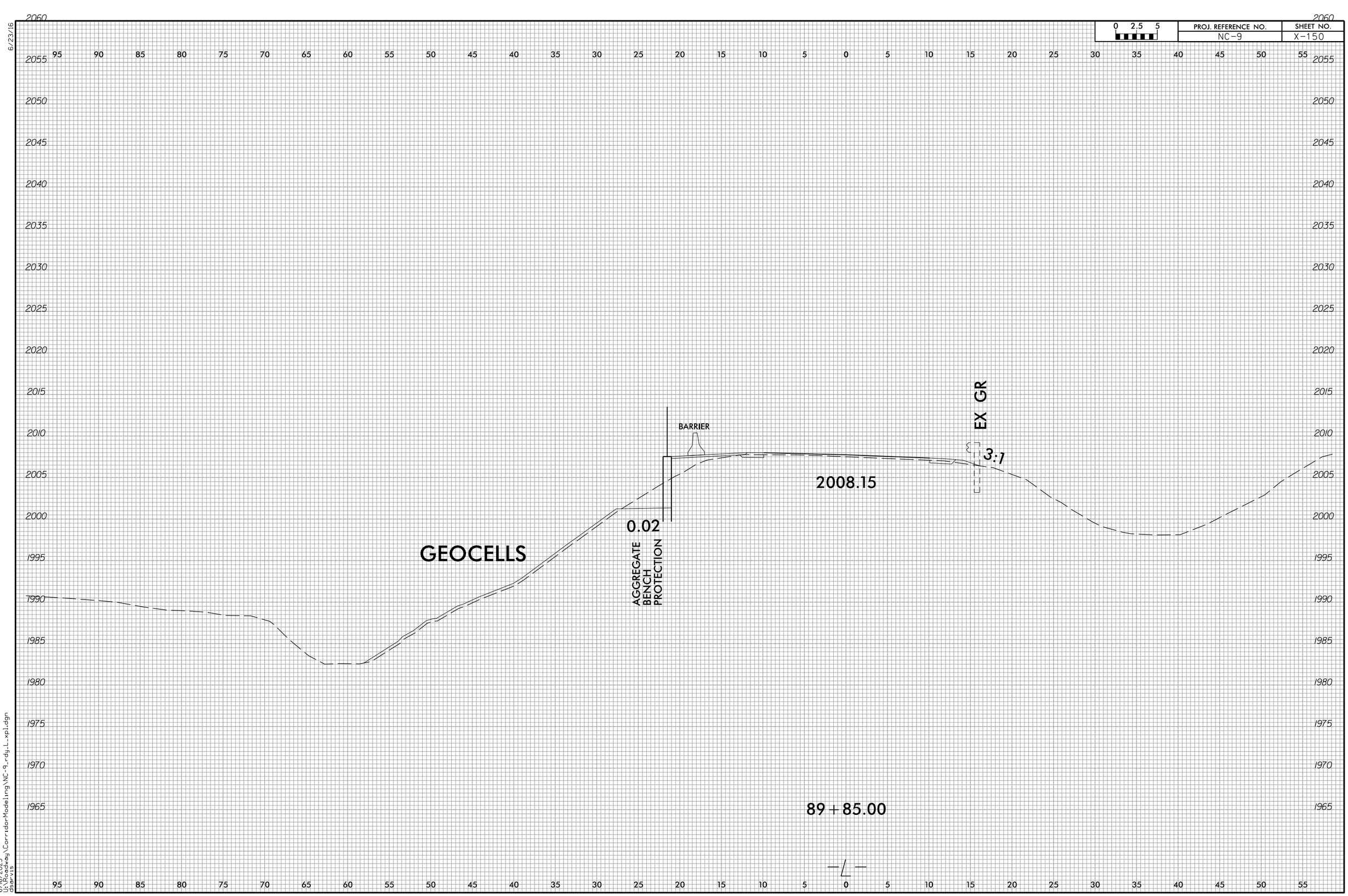
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-149



6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_Lxpl.dgn
dservis

6/23/16

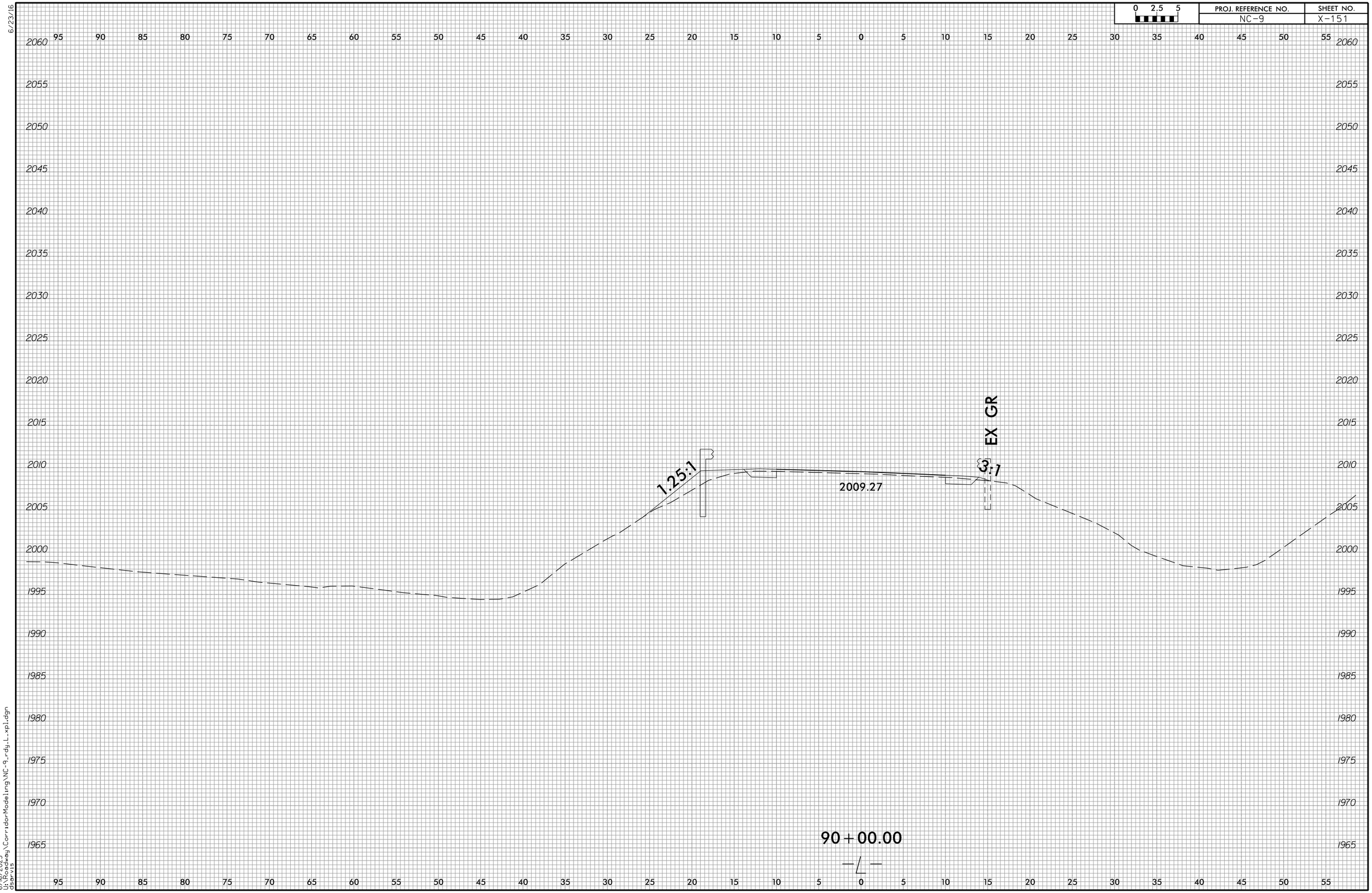
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-150



6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-151



6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-152

2:1

2010.93

2:1

90+21.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-153

2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990 1985 1980 1975 1970

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 50 55

2:1

0.037

0.037

2013.09

2:1

90+50.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-154

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 50 55

2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990 1985 1980 1975 1970

2:1 0.040 0.036 2:1 1.5:1

2014.49

2011.50

90+70.00

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 50 55

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-155

EXISTING CROSS SLOPES LABELED FROM
℄ STA 91+00.00 TO STA 113+77.00

2:1 0.019 0.043 2:1 2:1

2016.52

2013.34

91+00.00

℄

6/16/2025
L:\Roadway\Corridor Modeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-156

2:1

0.019

0.025

2:1

2:1

2019.75

2016.40

91+50.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-157

0.022

0.030

2:1

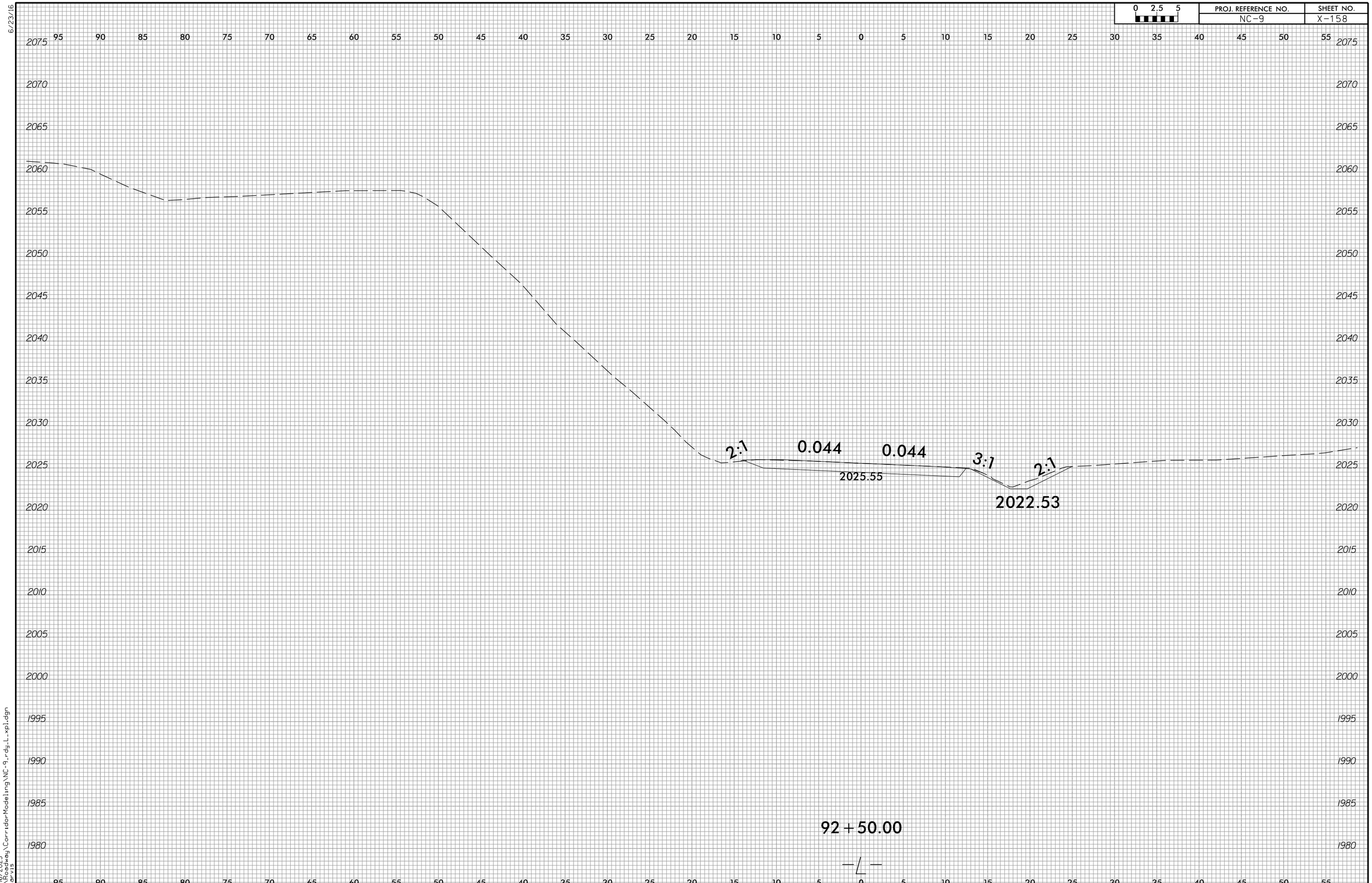
2:1

2022.80

2019.47

92+00.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-159

2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990 1985

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 50 55

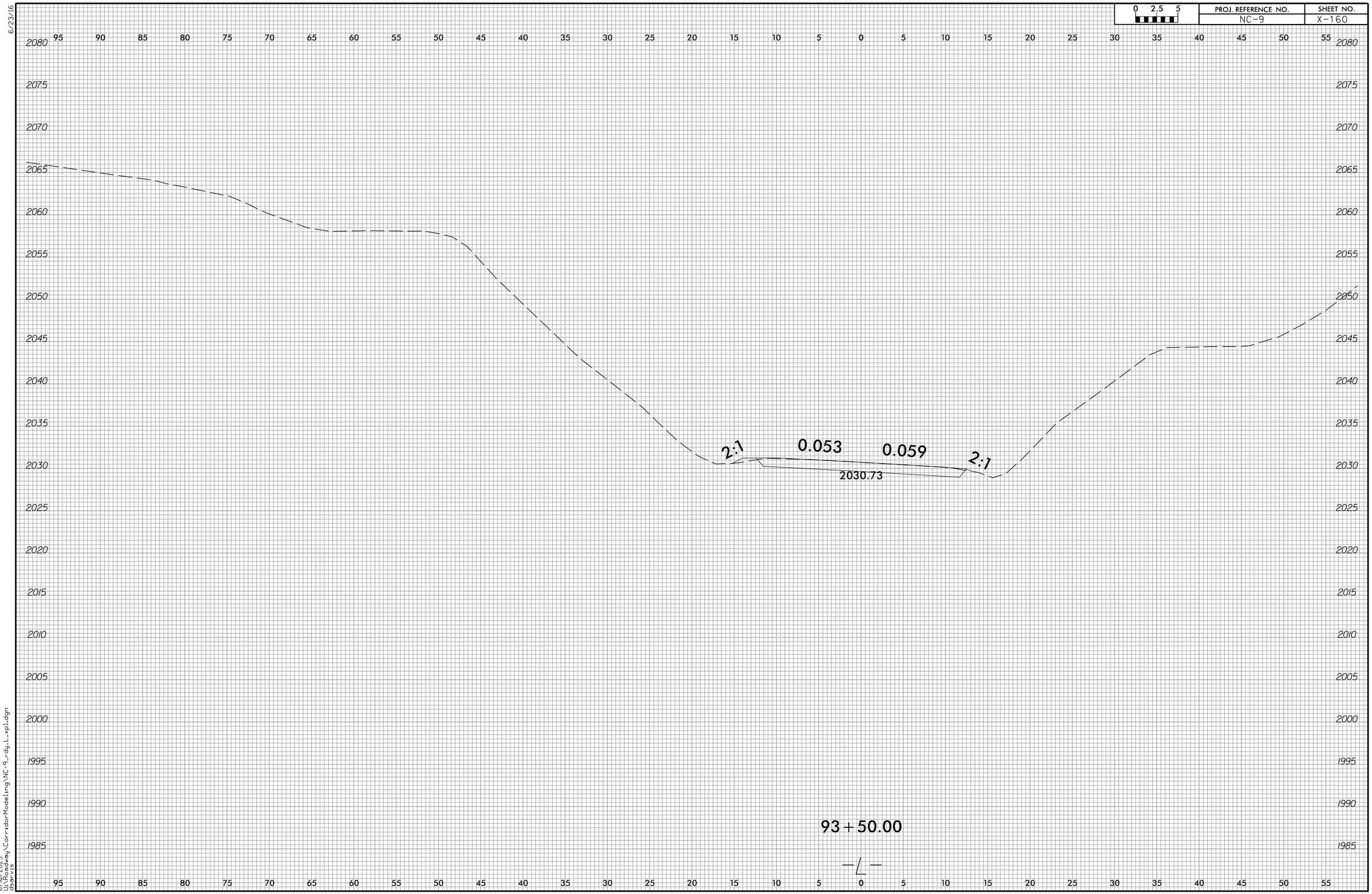
2:1 0.046 0.048 2:1 2:1

2028.31

2025.60

93+00.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-161

2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990

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 50 55

2:1 0.068 0.059 2:1

2032.87

94+00.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-162

2:1 0.066 0.063 2:1

2034.95

94+50.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-163

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 50 55

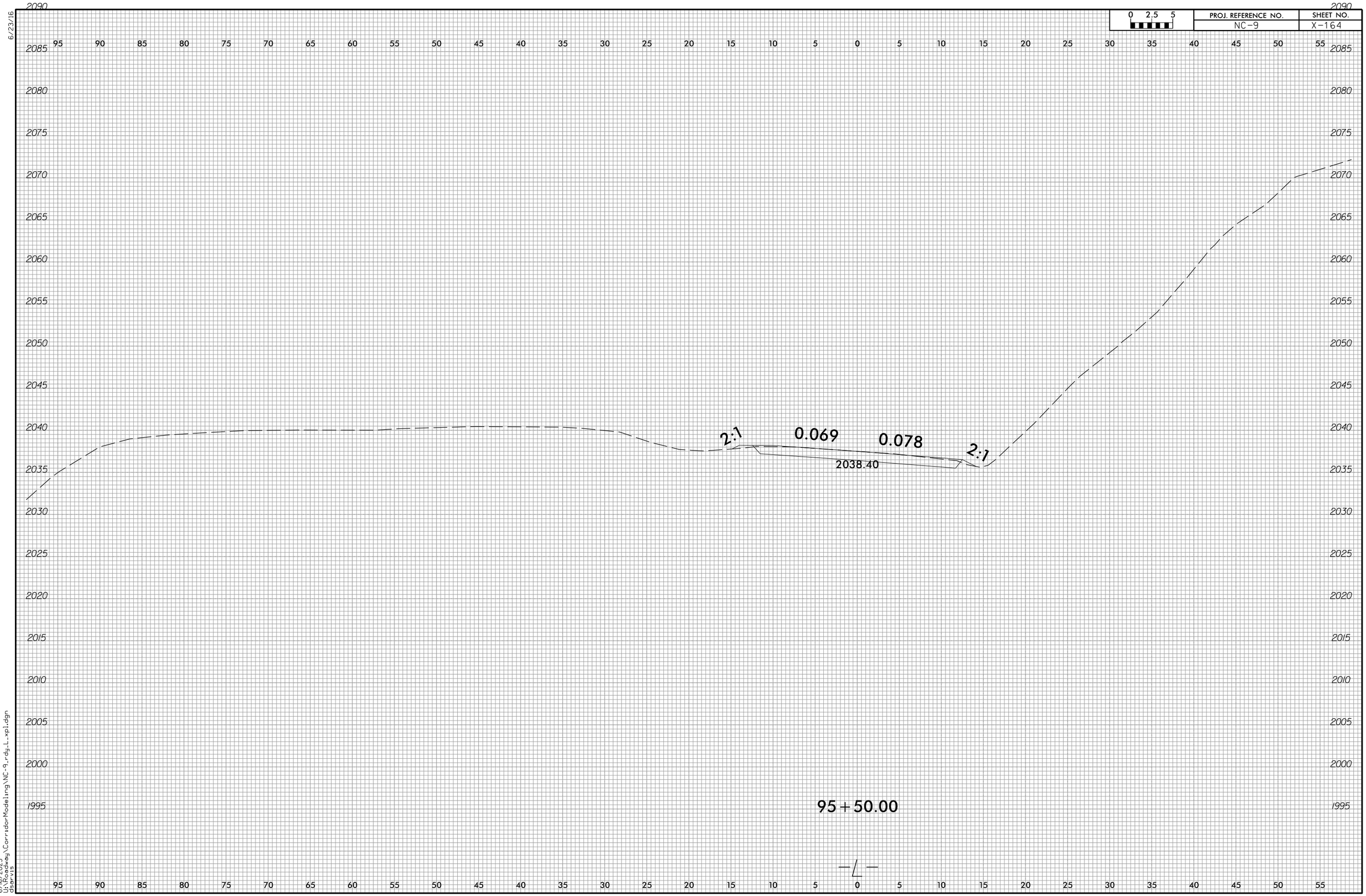
2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990

2:1 0.068 0.079 2:1

2036.70

95+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L.xpl.dgn
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

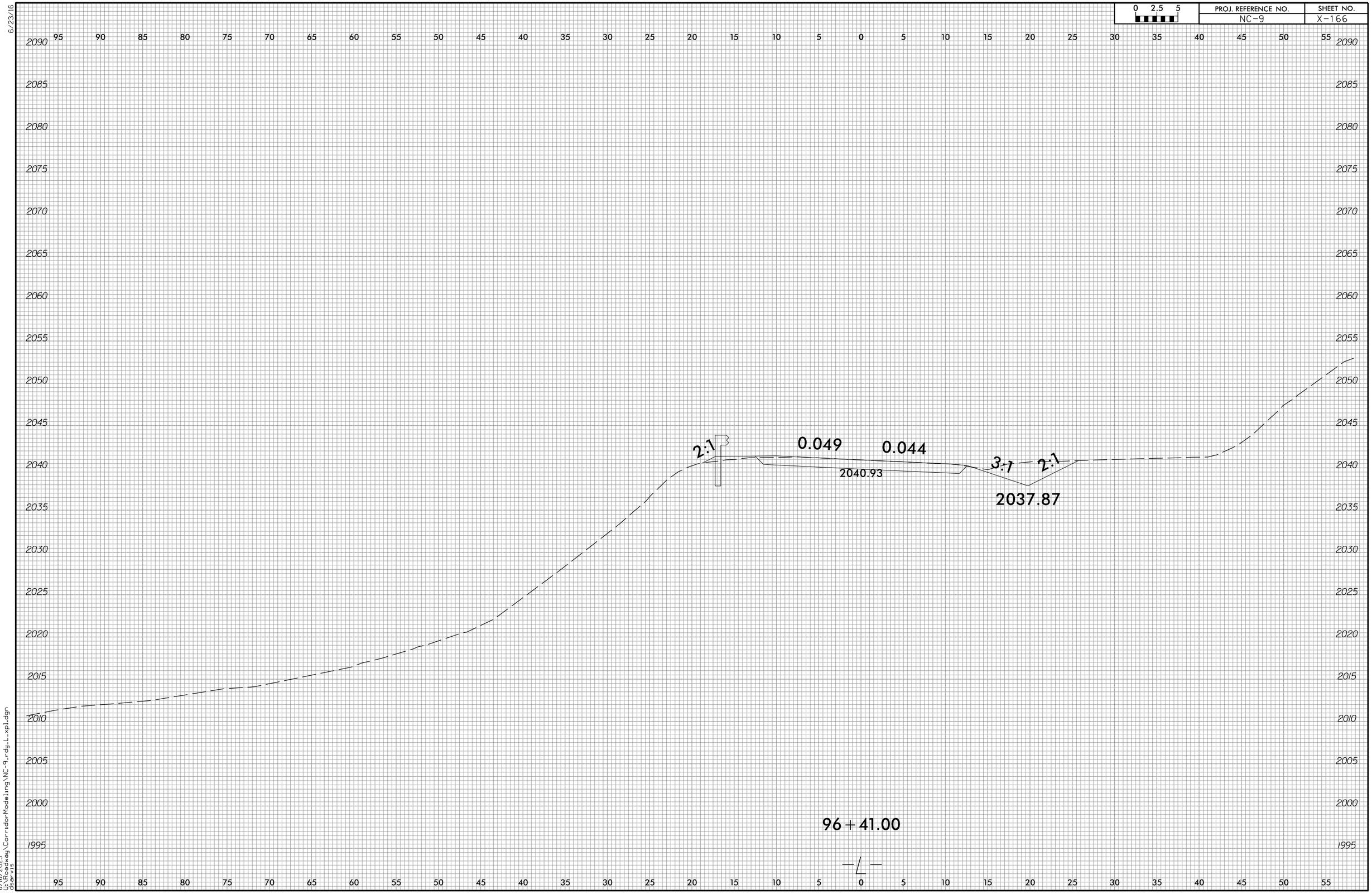
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-165

2.2:1
2:1
1.5:1
0.046
0.073
2039.32
2039.92
2037.25
96+00.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-166



6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-167

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 50 55

2090 2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995

0.055

0.036

3:1

2:1

2041.11

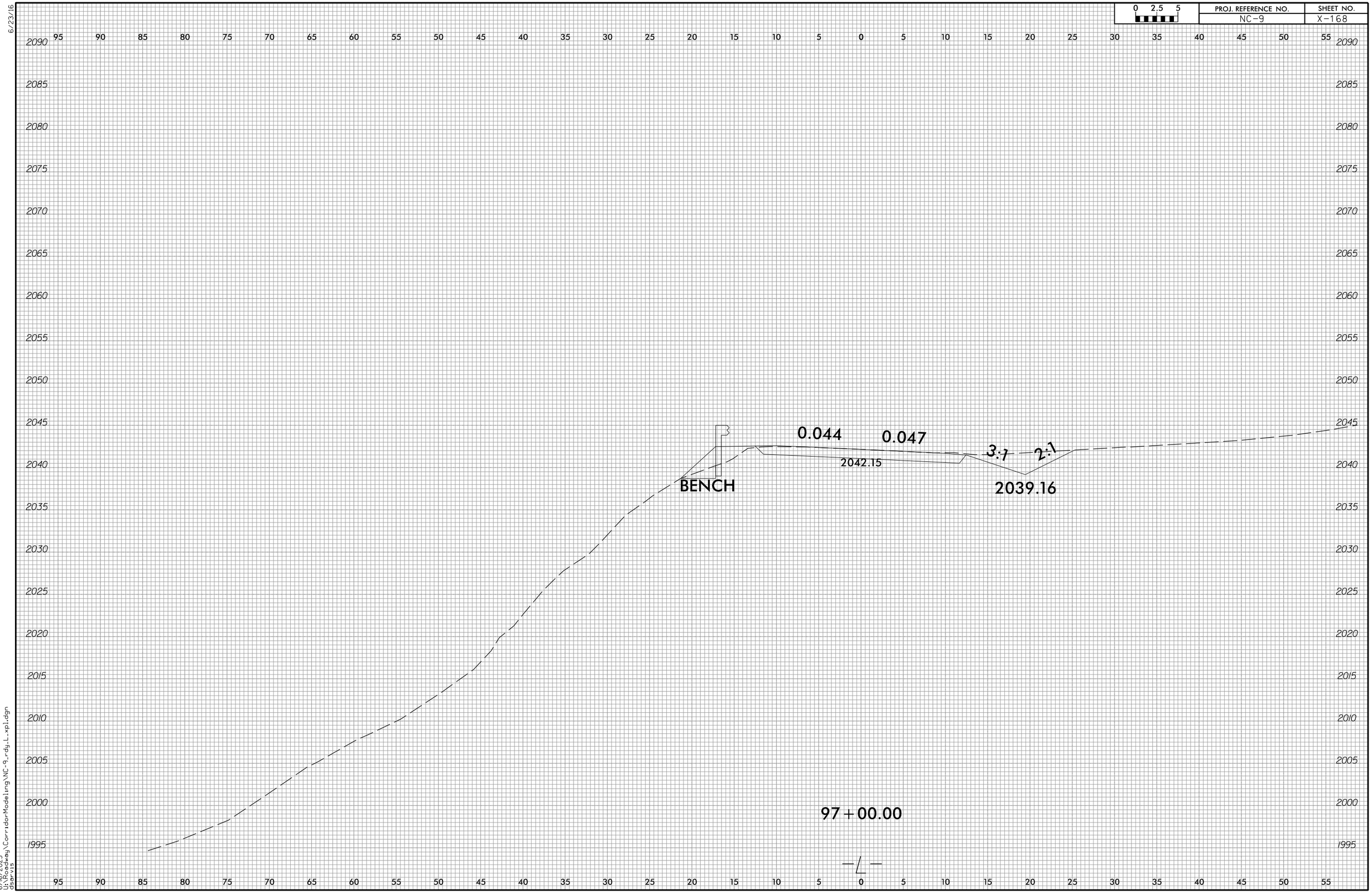
2038.00

96+50.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-168



6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-169

0.043

0.052

3:1

2:1

2042.78

2040.00

BENCH

97+36.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-170

2095 2090 2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000

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 50 55

2:1

0.044

0.053

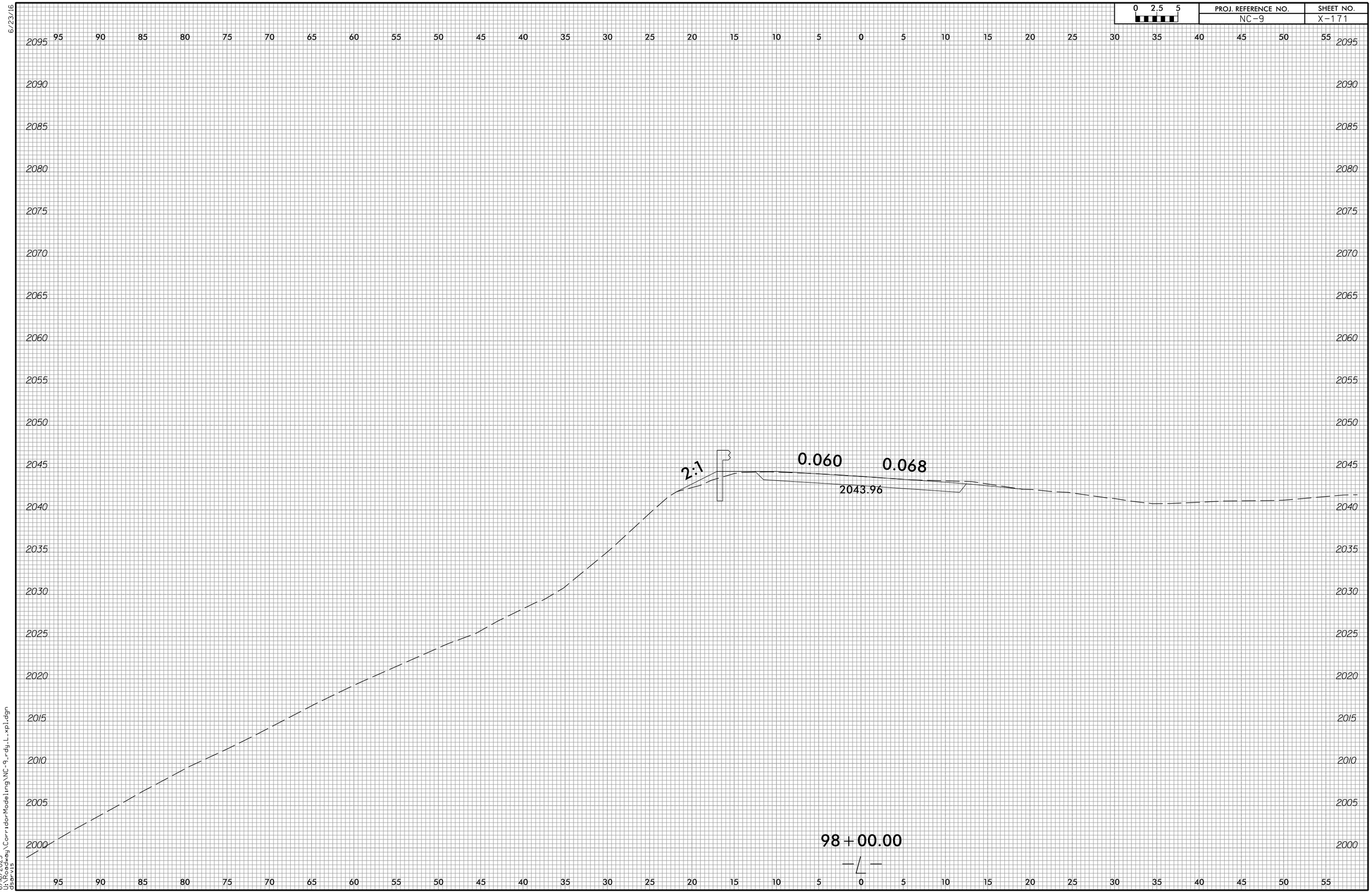
2043.02

97+50.00

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-171



6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-172

0.050 0.038 2:1 2:1

2044.73

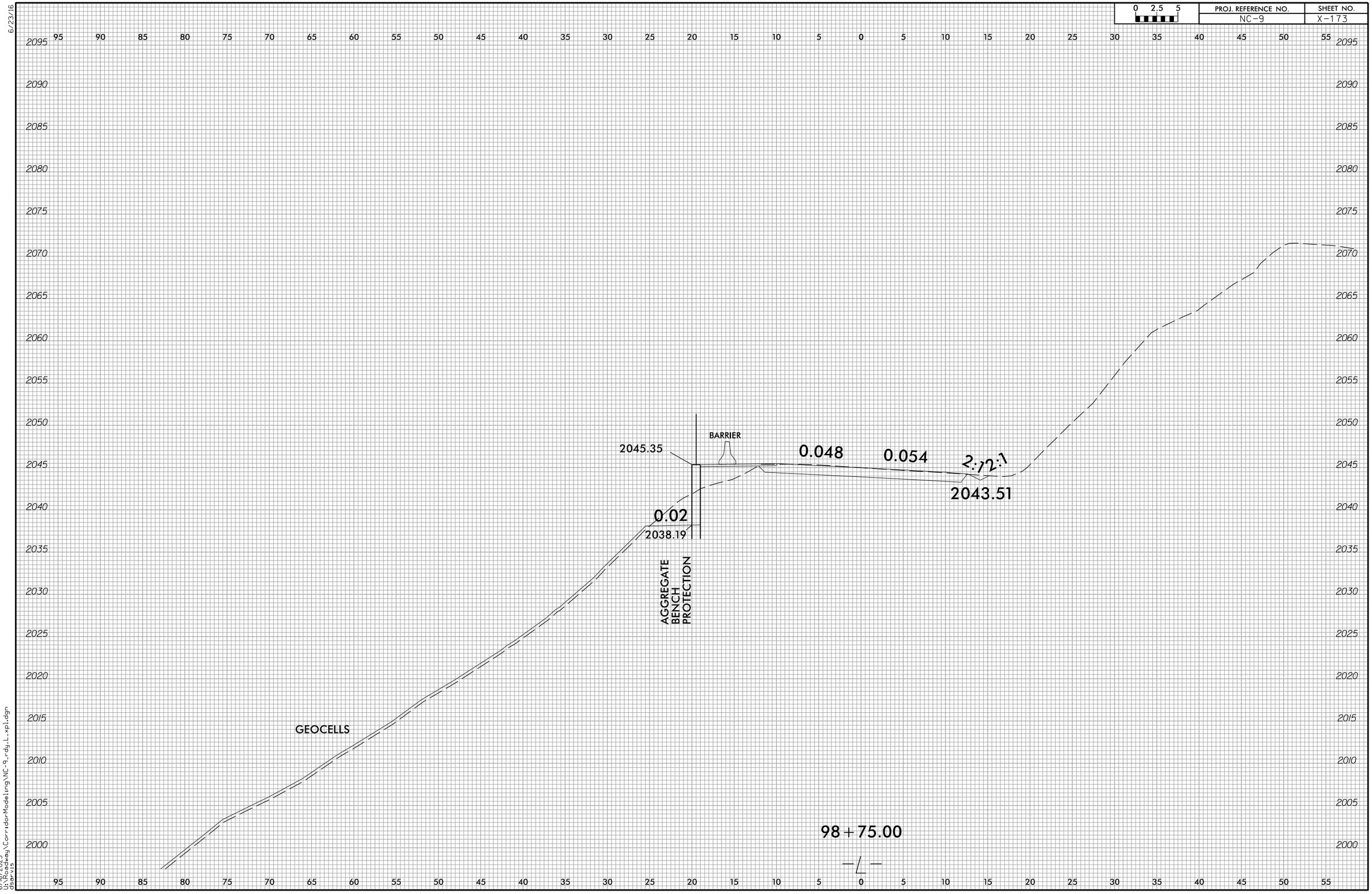
2043.60

98+50.00

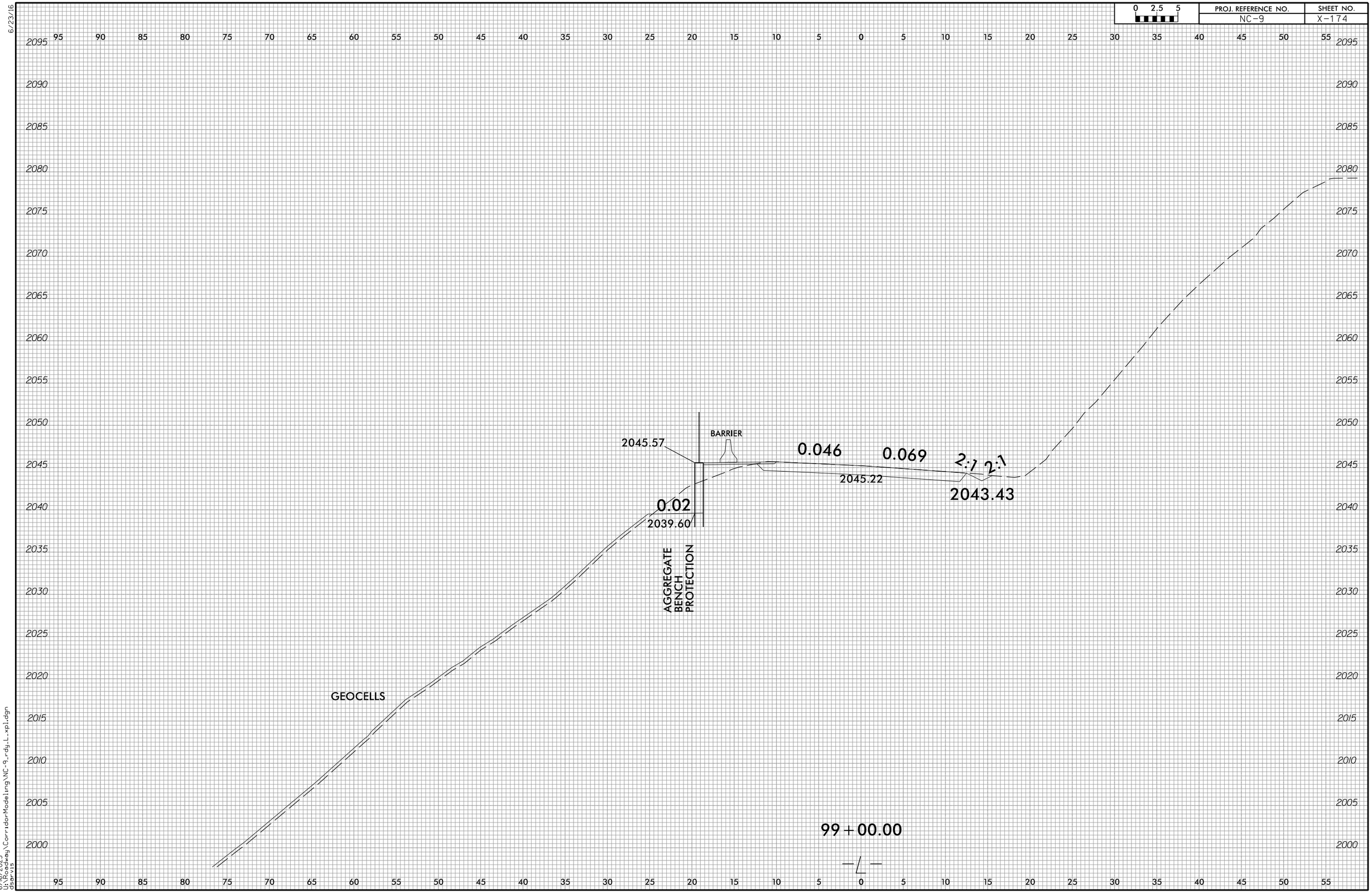
6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-173

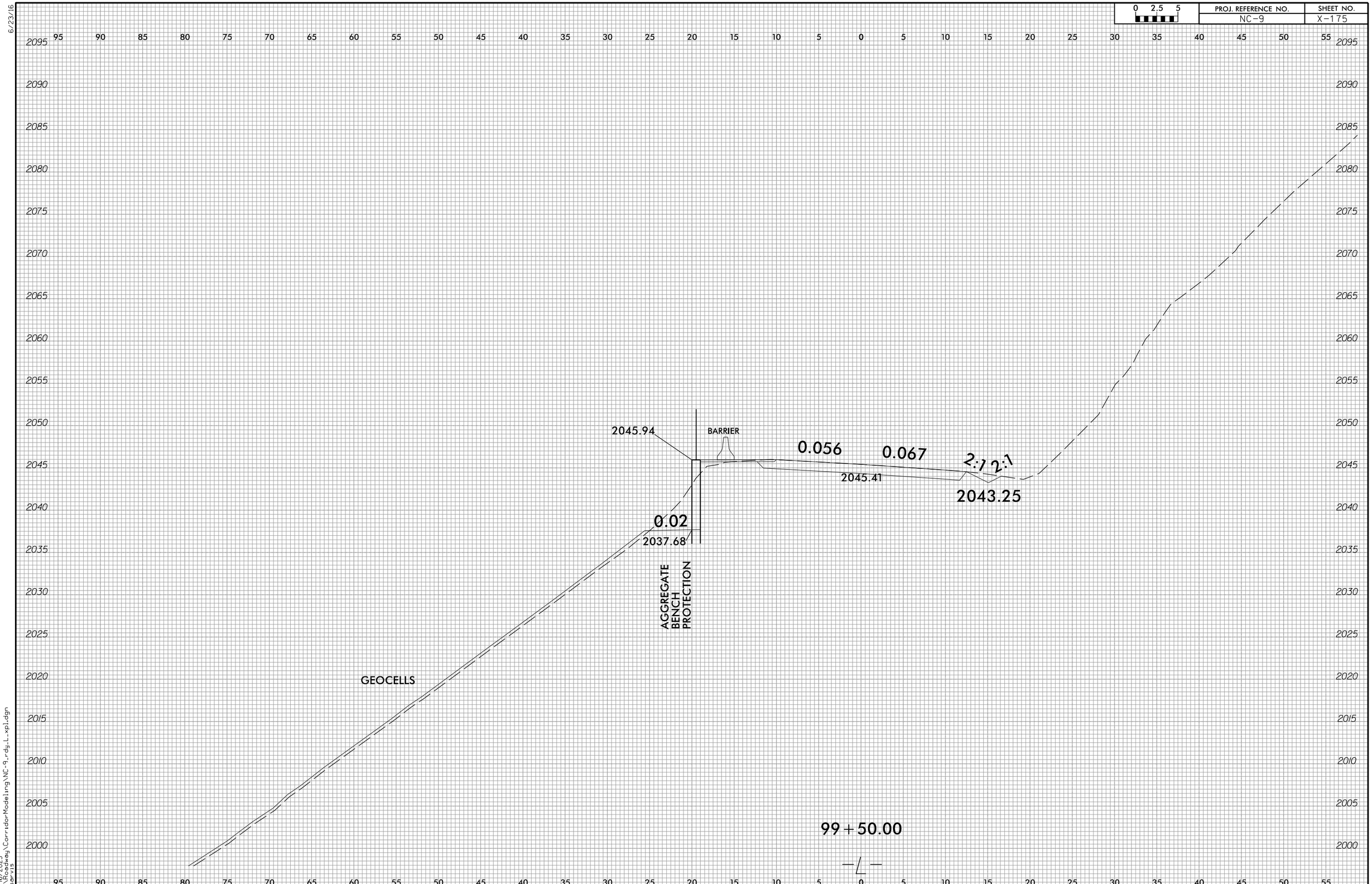


6/16/2025
C:\Bridgeway\CorridorModeling\NC-9_rdg_Lxpl.dgn
dservis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

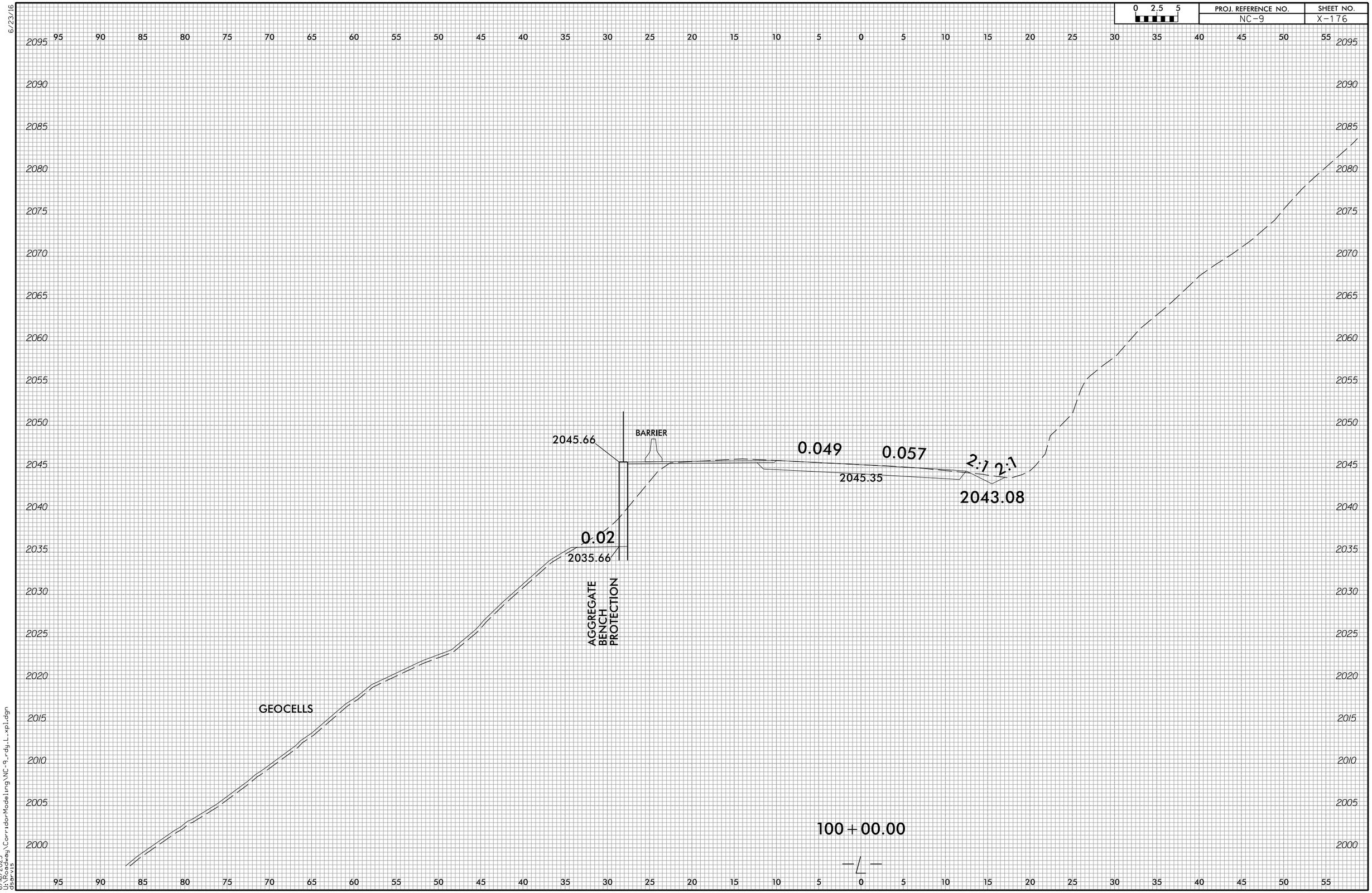


6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

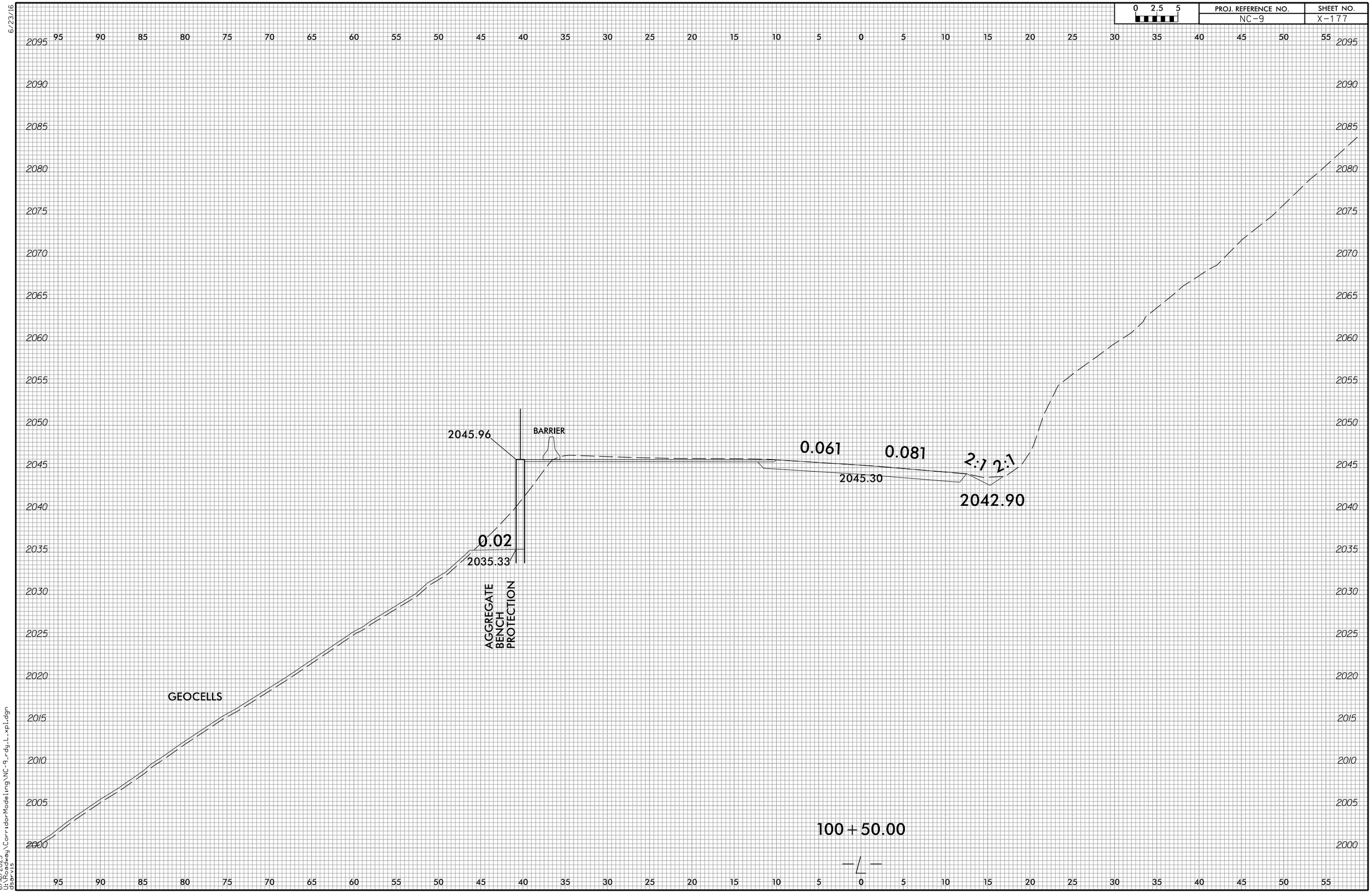
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-176



6/16/2025
C:\Bridgeway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-177



6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-178

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 50 55

2095 2090 2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000

2046.13

BARRIER

0.067

0.082

2:1

1.5:1

2045.12

2526.85

0.02

2039.38

AGGREGATE BENCH PROTECTION

100+75.00

6/16/2025
C:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-179

0.071

0.082

2:1 2:1

2044.89

2042.80

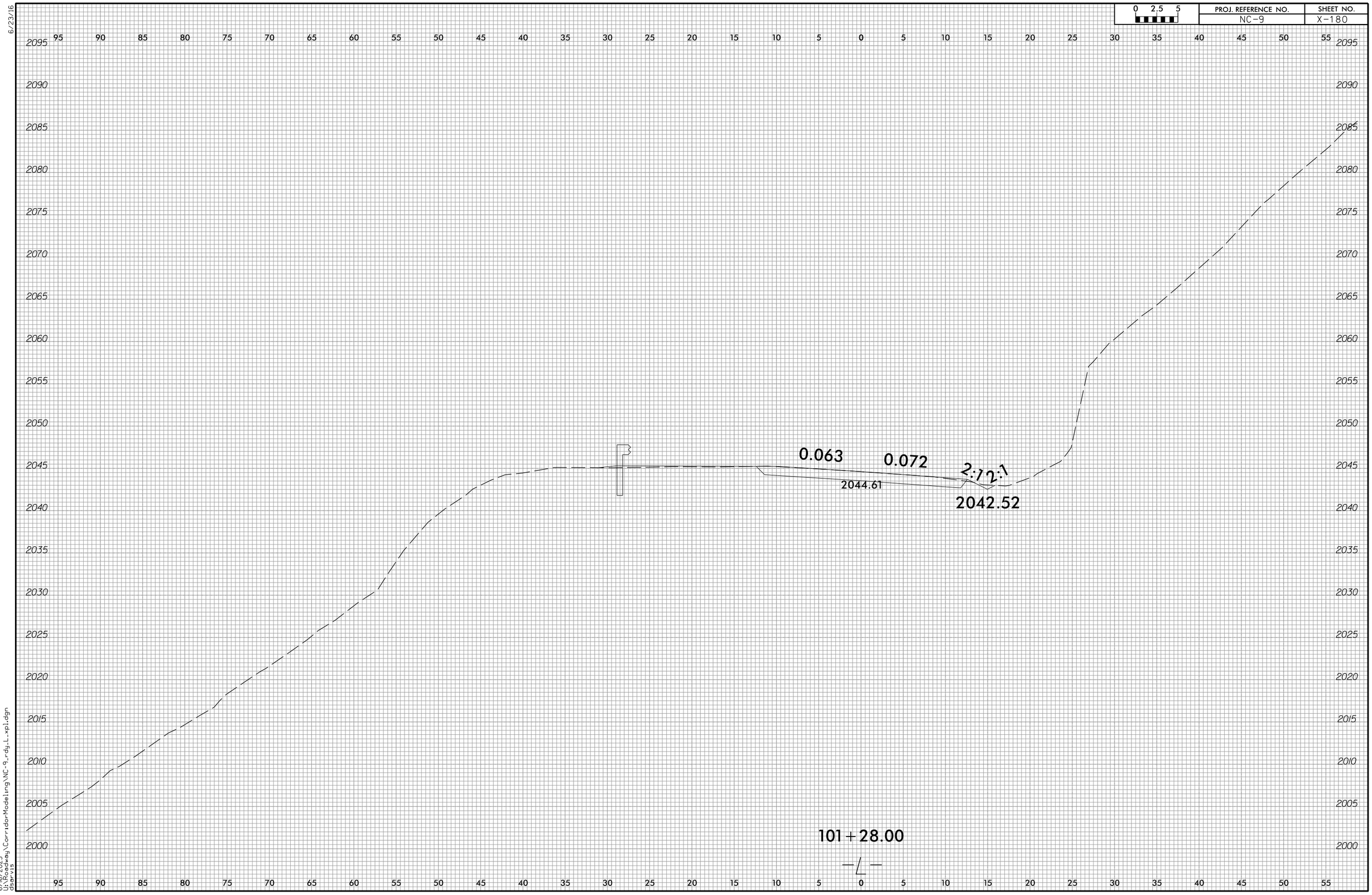
101+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

PROJ. REFERENCE NO.	SHEET NO.
NC-9	X-180

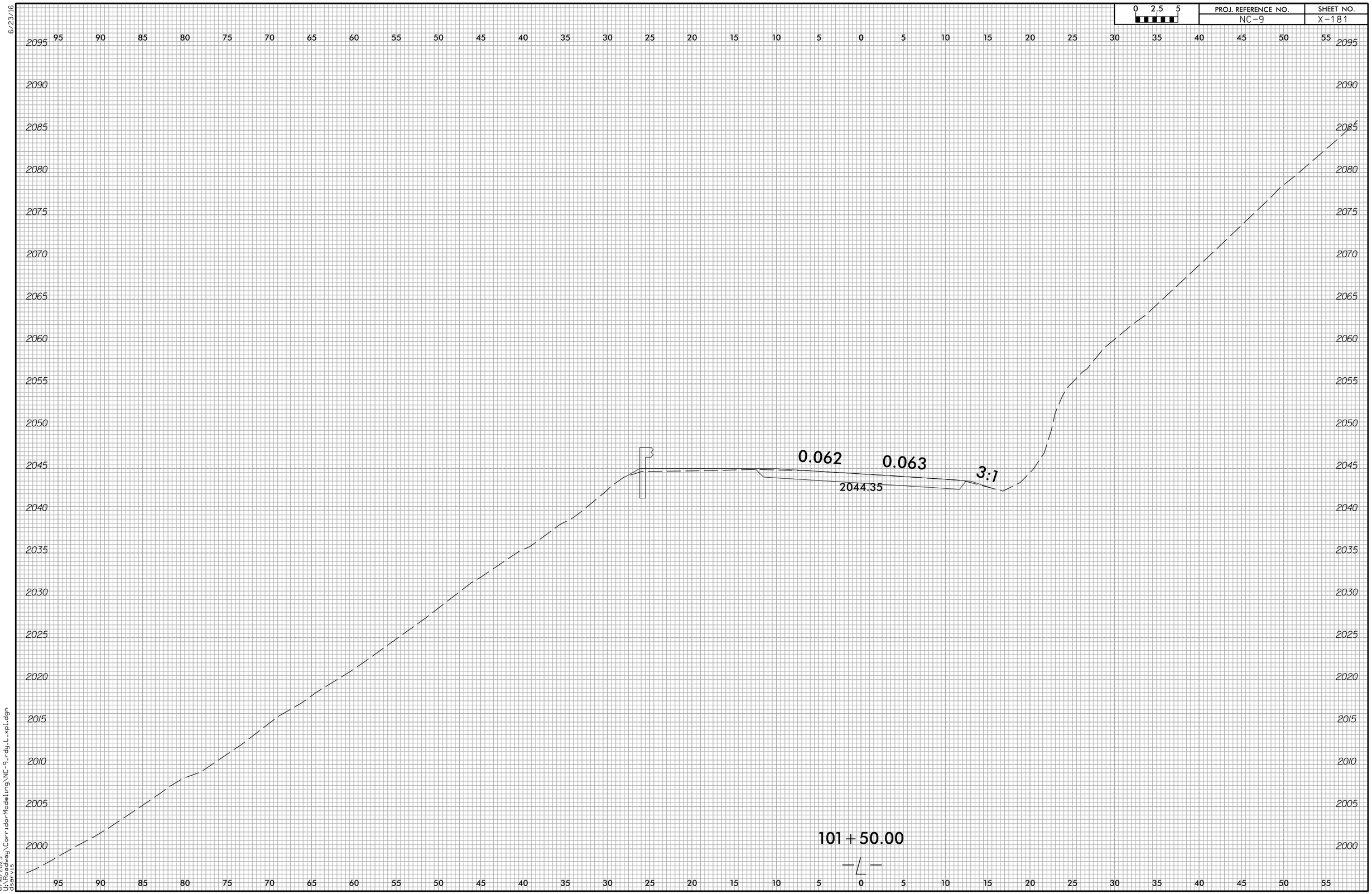
0 2.5 5



6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-181



6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-182

0.040

0.047

3:1

2043.79

1.25:1

ROCK EMBANKMENT

15'

102+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-183

0.011

0.039

3:1

2043.09

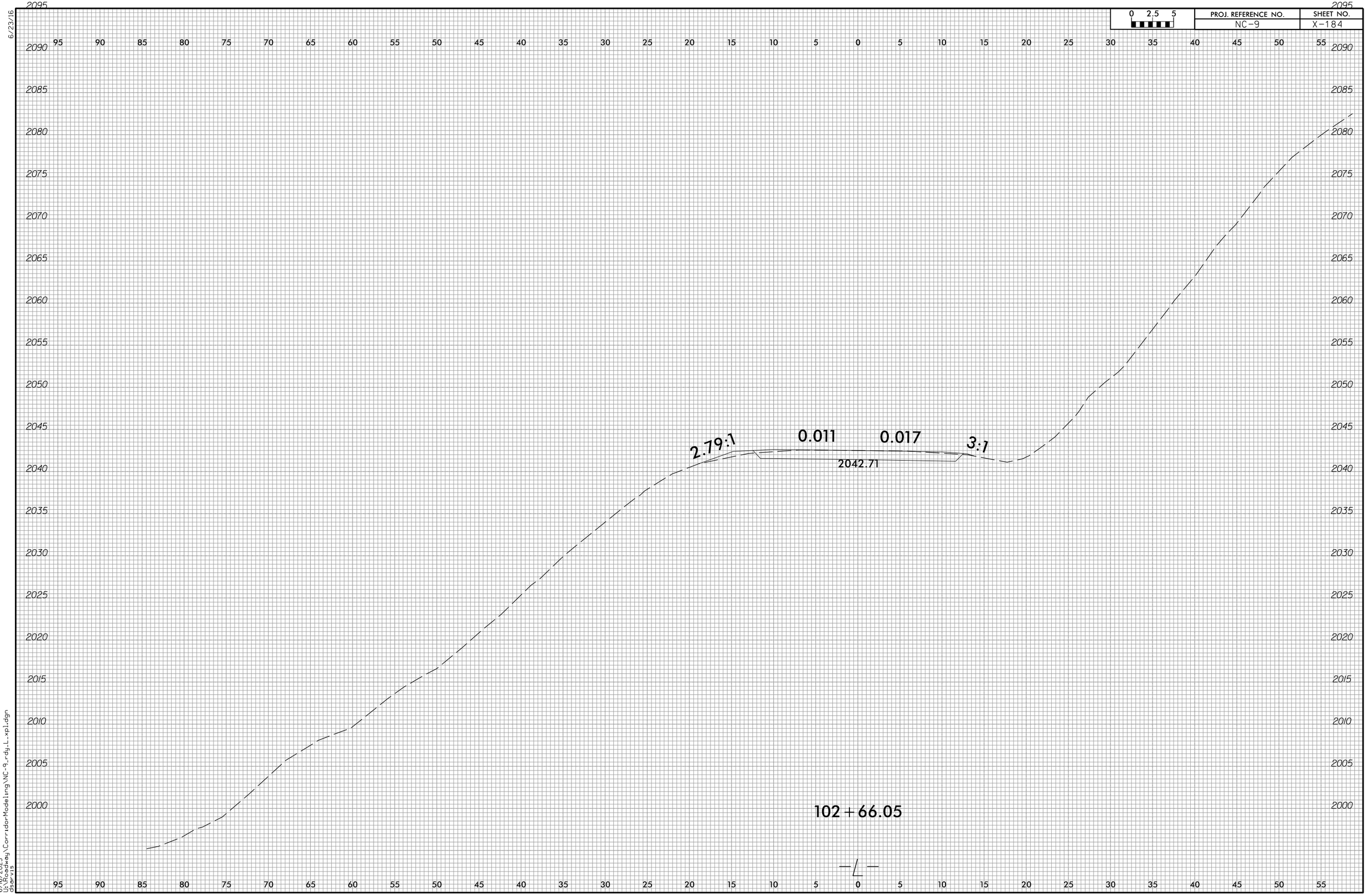
1.25:1

ROCK EMBANKMENT

15'

102+50.00

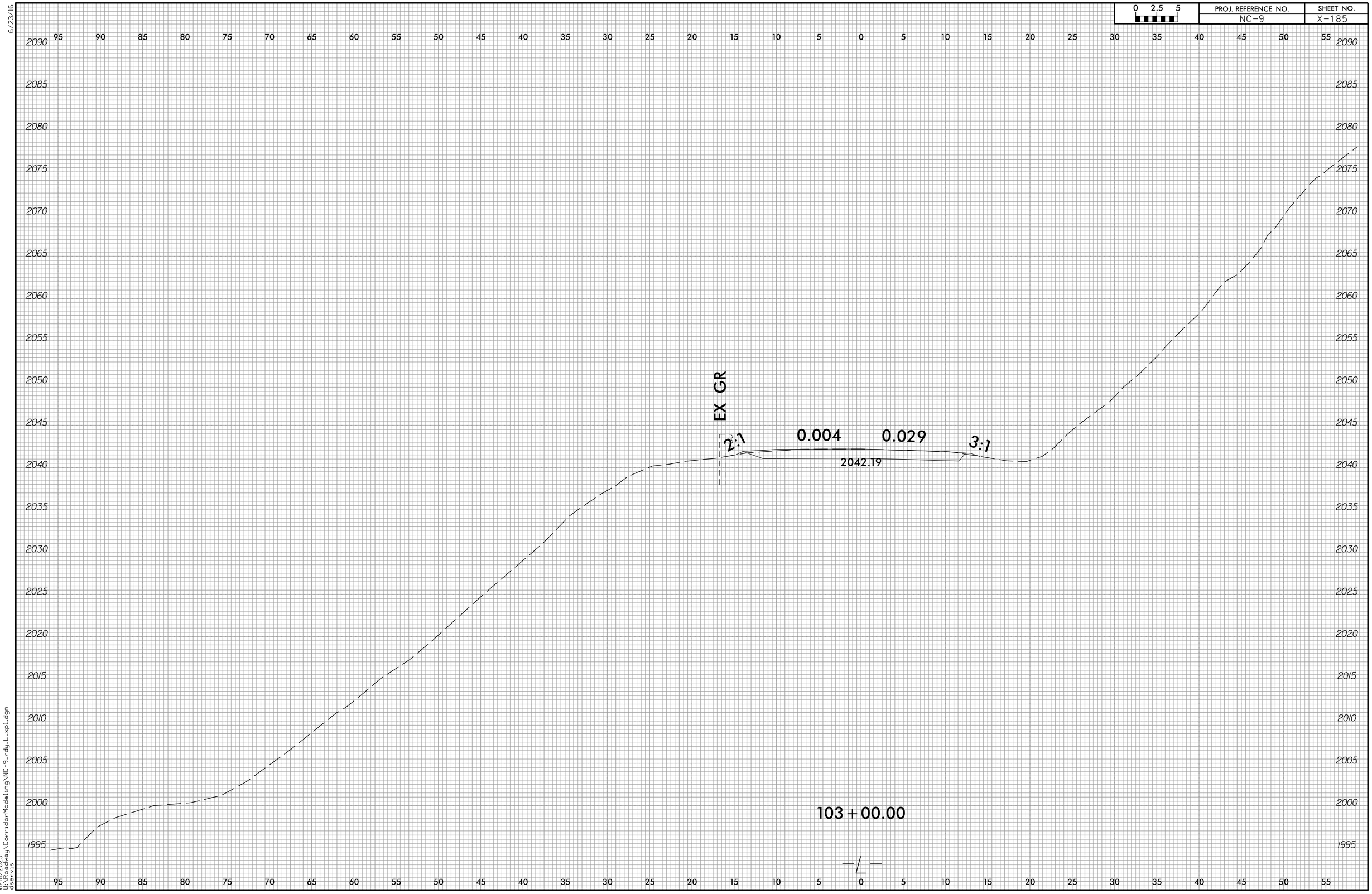
6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_Lxpl.dgn
dservis



6/23/16
6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L.xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-185



6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-186

EX GR

2:1 0.003 0.026 3:1

2041.04

103+50.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-187

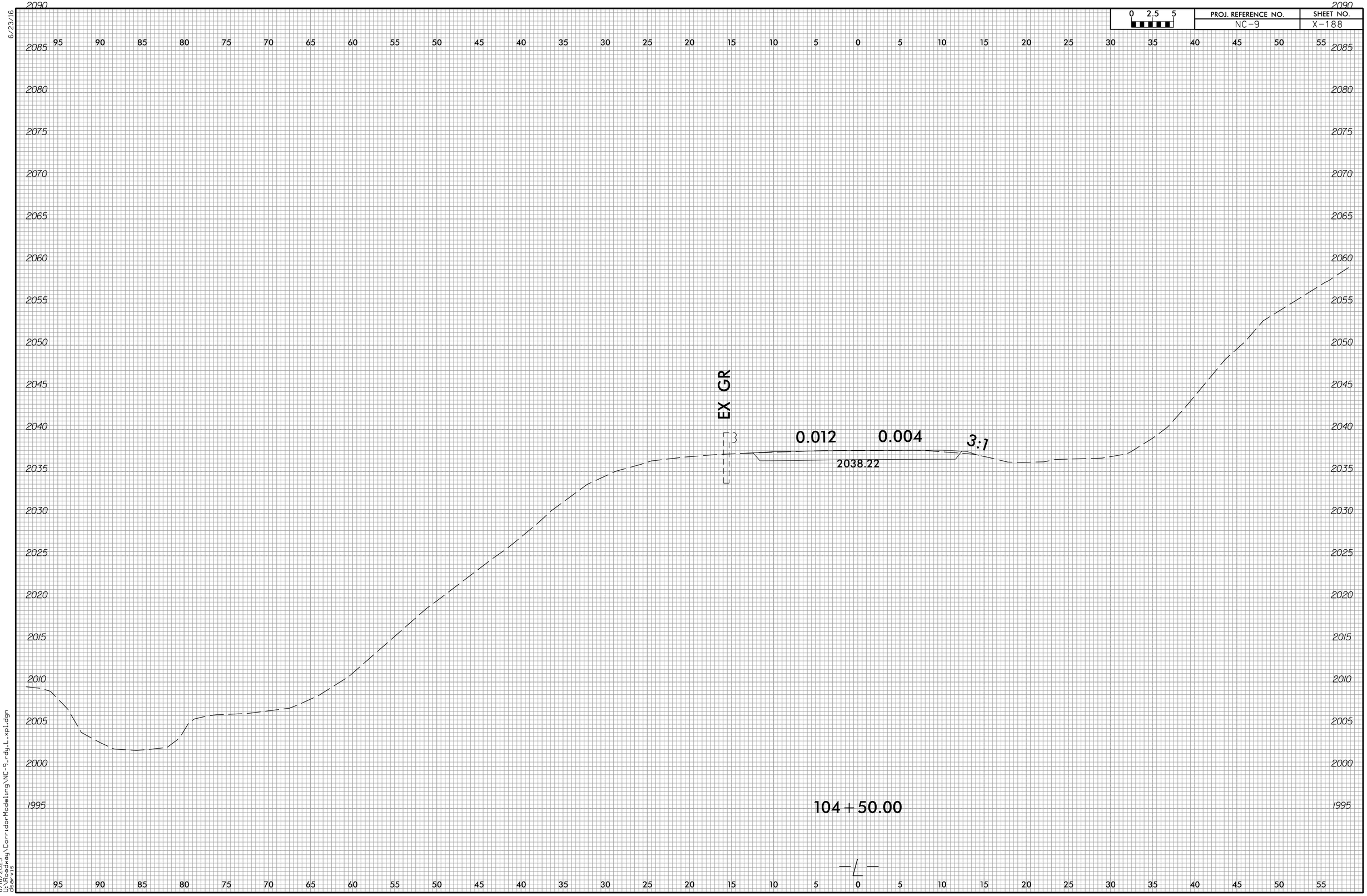
EX GR

0.014 0.007 3:1

2039.68

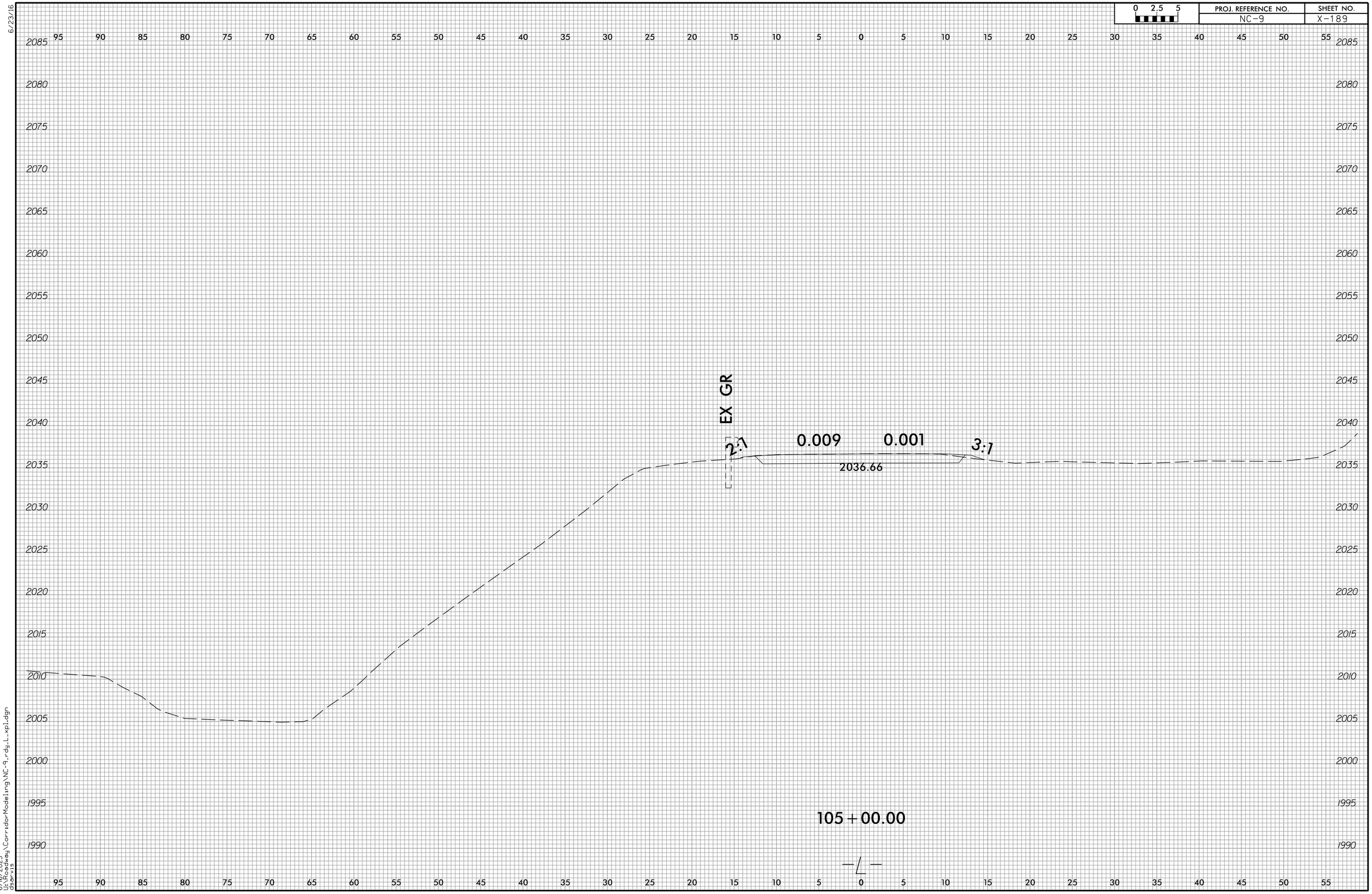
104+00.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L.xpl.dgn
dsarvis



6/23/16

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-190

EX GR

2:1 | 0.000 | 0.000 | 3:1

2035.31

105+50.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-191

EX GR

2:1

0.016

0.012

3:1

2034.21

106+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-192

2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990

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 50 55

EX GR

2:1

0.008

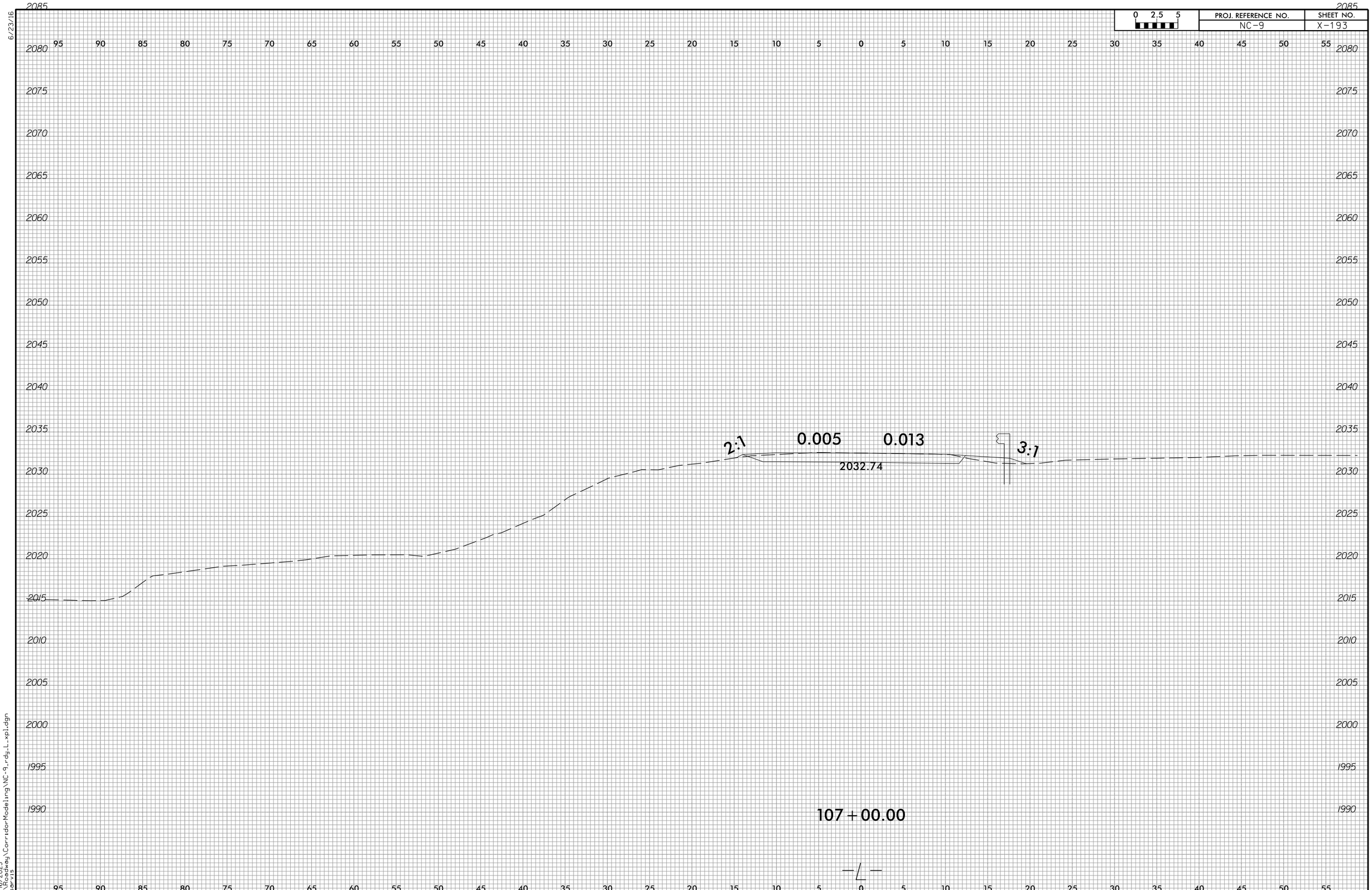
0.013

3:1

2033.27

106+50.00

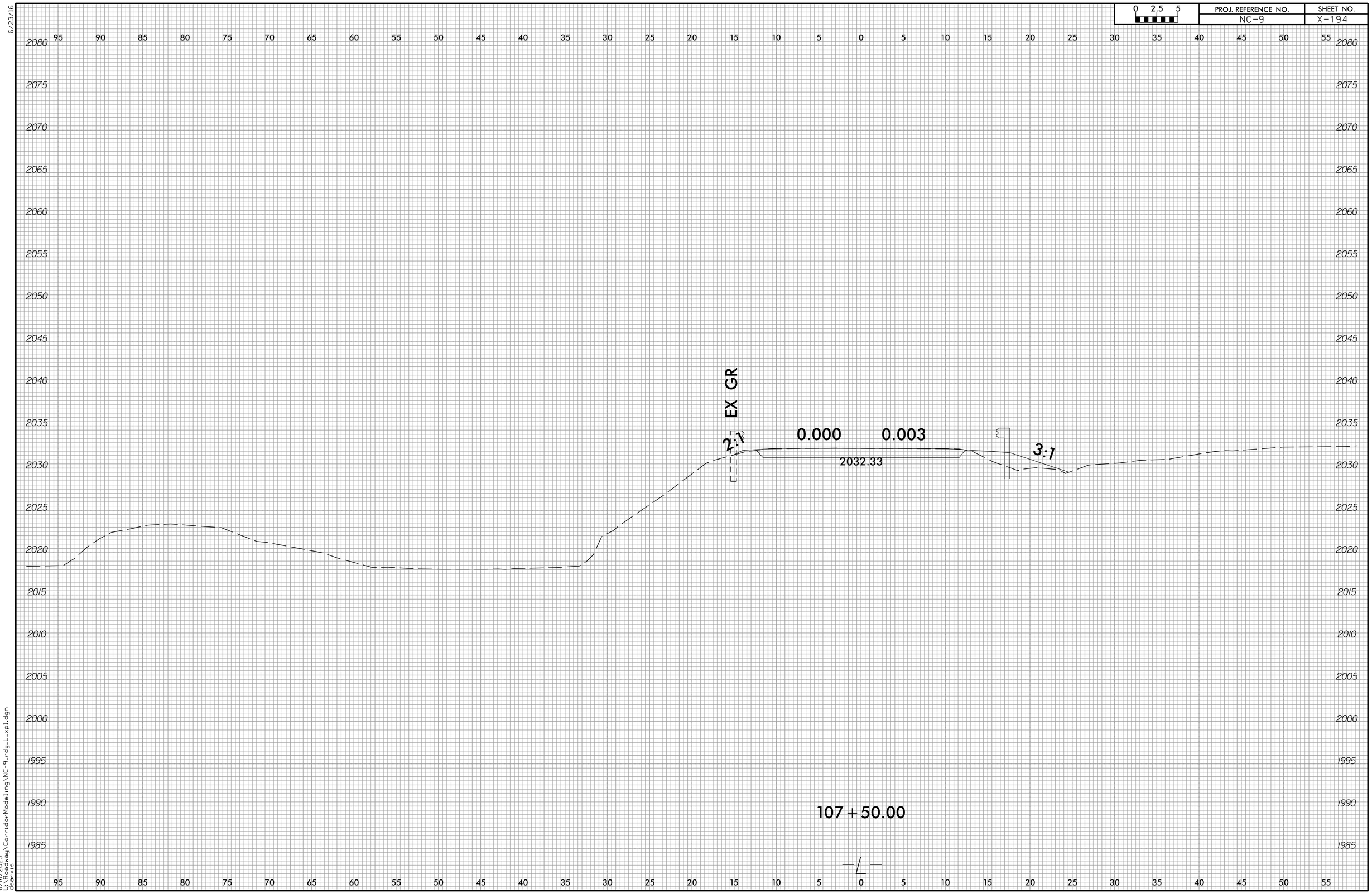
6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis



6/23/16
6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-194



6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-195

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 50 55

2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990 1985

3:1

2032.31

ROCK PLATING

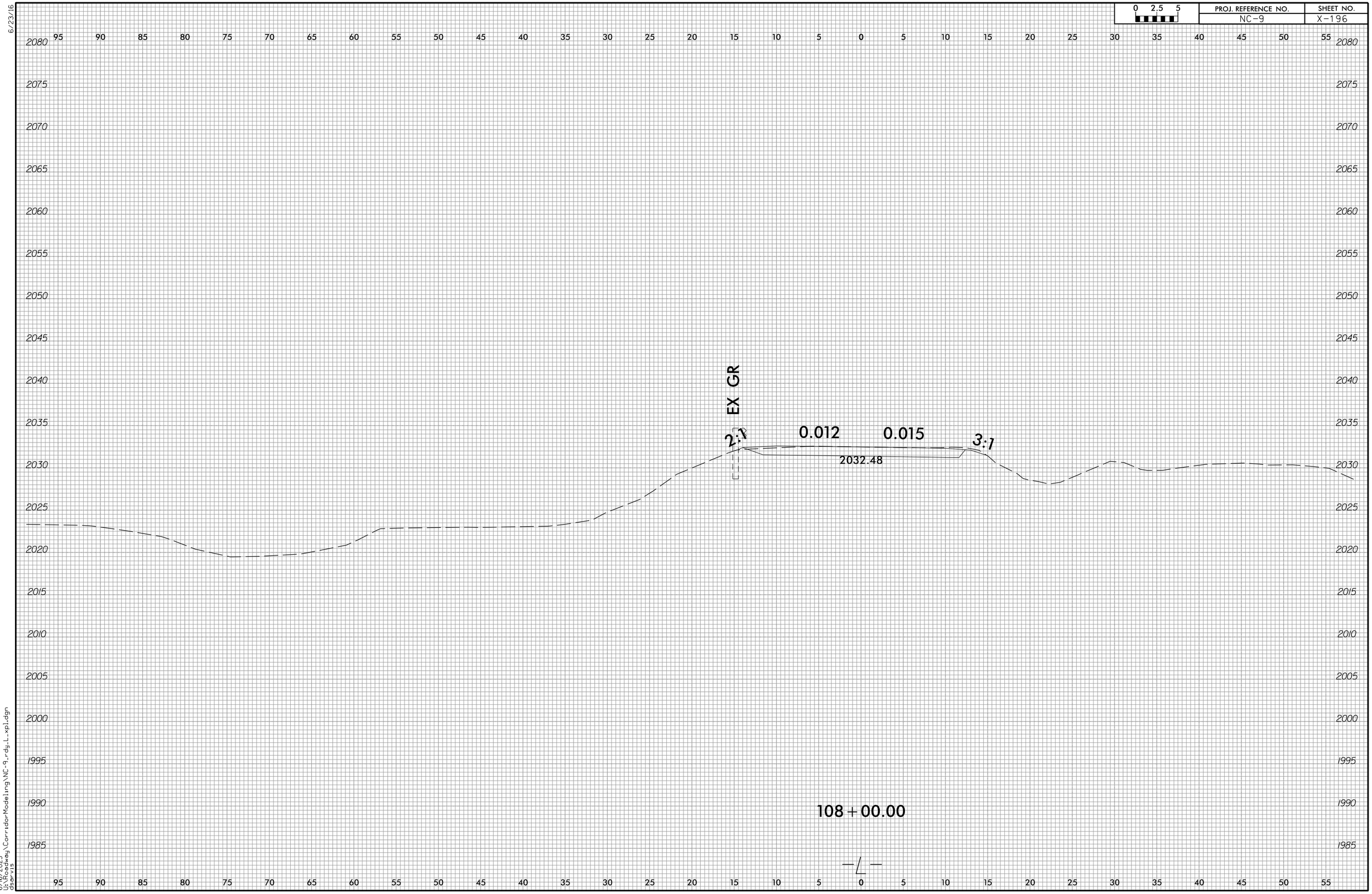
EXISTING HEADWALL

107+67.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdg_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-196



6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-197

2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990

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 50 55

EX GR

2:1

0.018

0.020

3:1

2032.87

108+50.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-198

2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990

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 50 55

EX GR

2:1

0.011

0.006

4.01:1

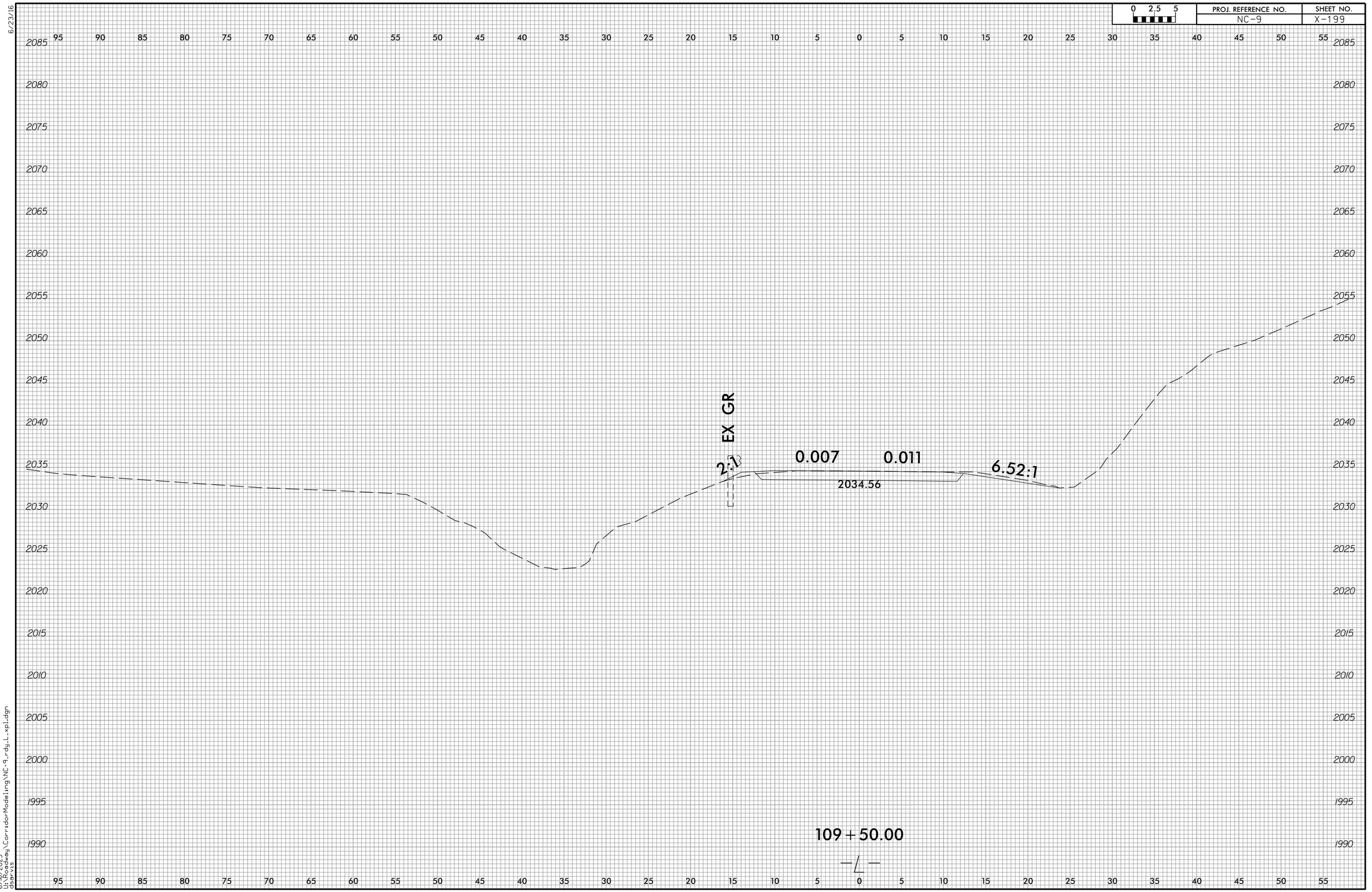
2033.35

109+00.00

6/16/2025
D:\Projects\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-199



6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-200

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 50 55

2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990

EX GR

2:1

0.013

0.014

16.81:1

2035.99

110+00.00

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 50 55

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-201

2090 2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995

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 50 55

2:1 0.002 0.016 3:1 2:1

2037.63

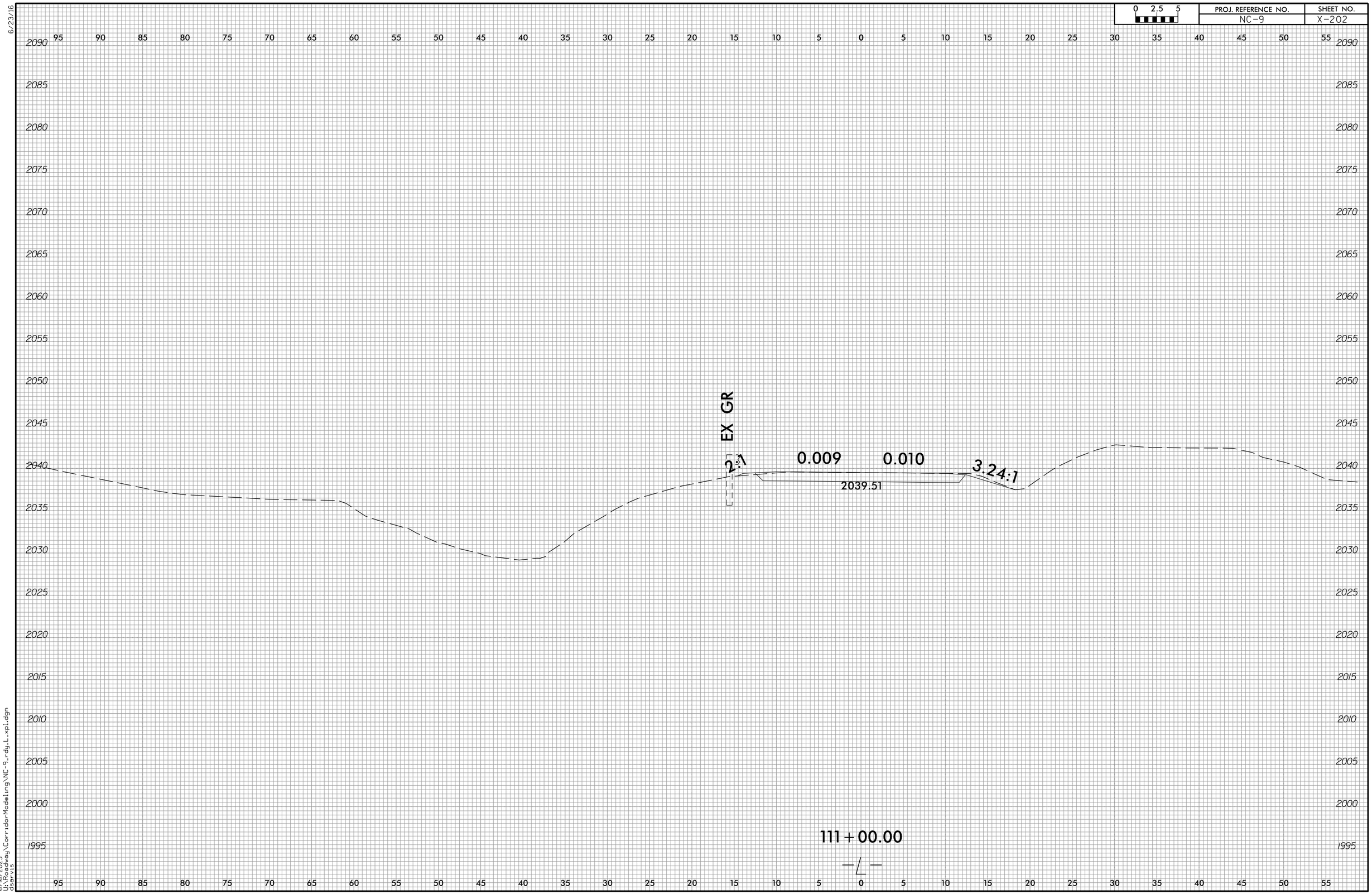
2036.24

110+50.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-202



6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-203

EX GR

2:1

0.009

0.009

2:1

2:1

2041.66

2040.40

111+50.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdg_Lxpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-204

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 50 55

2095 2090 2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000

EX GR

2:1

0.012

0.012

2:1

2:1

2044.01

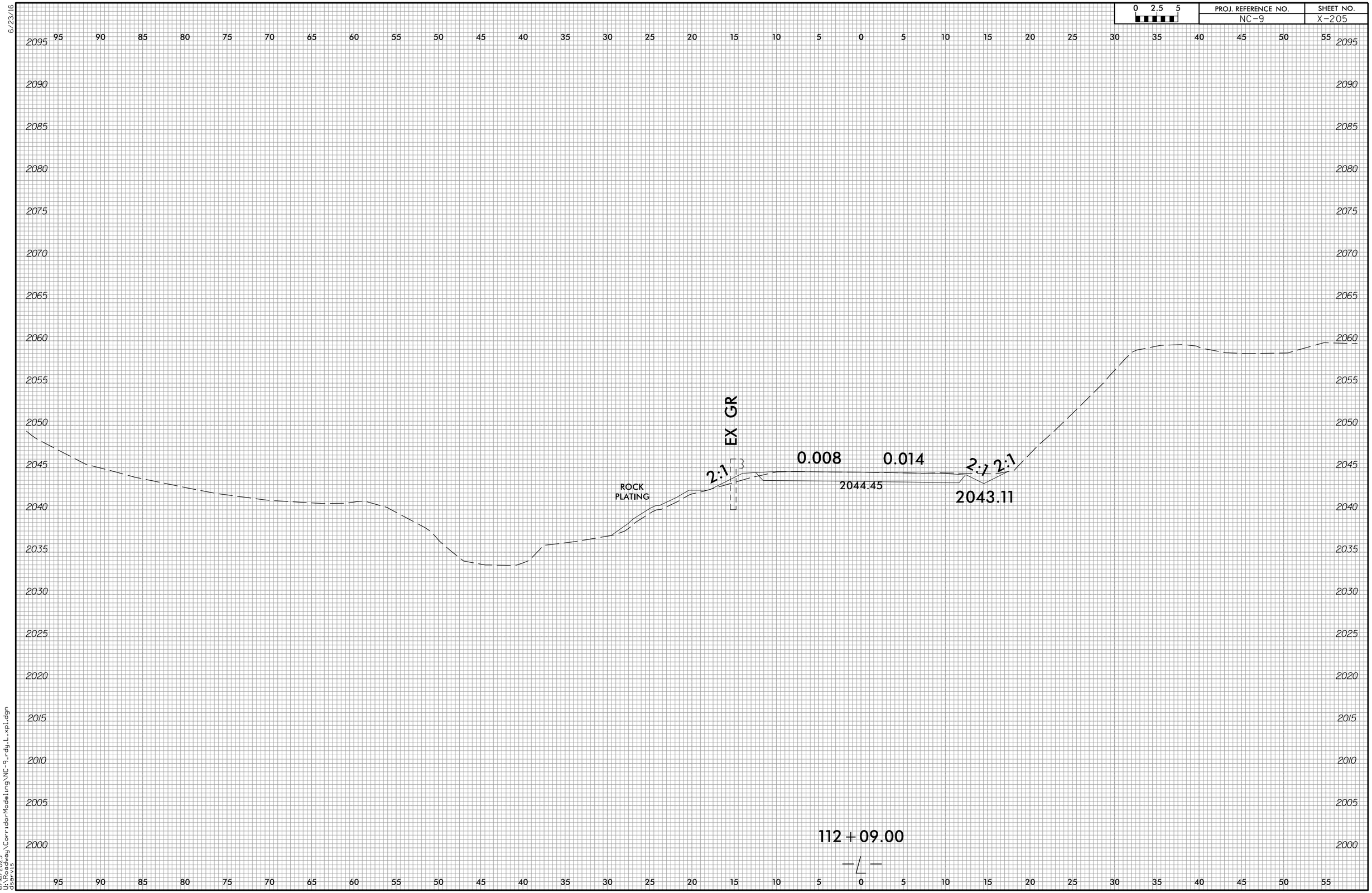
2042.70

112 + 00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-205



6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-206

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 50 55

2095 2090 2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000

EX GR

0.015 0.023

2:1 2:1

ROCK PLATING

2046.51

2045.00

112 + 50.00

—L—

6/16/2025
L:\Roadway\CorridorModeling\NC-9_rdy_Lxpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-207

EX GR

2:1

0.001

0.021

2:1

1.5:1

2047.61

2046.17

112+72.41

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-208

EX GR

0.002 0.017 2:1 1.5:1

2048.77

2047.33

112+94.80

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-209

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 50 55

2100 2095 2090 2085 2080 2075 2070 2065 2060 2055 2050 2045 2040 2035 2030 2025 2020 2015 2010 2005

EX GR

ROCK PLATING

0.001

0.016

2:1

1.5:1

2049.04

2047.60

113+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-210

EX GR

0.003 0.008 3:1 2:1

2050.39

2049.20

113+27.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-211

EXISTING CROSS SLOPES LABELED FROM
-L- STA 91+00.00 TO STA 113+77.00

0.006 0.008

2051.43

DRIVE SHEAR

113+50.00

6/6/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dservis

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	NC-9	X-212

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 50 55

2105
2100
2095
2090
2085
2080
2075
2070
2065
2060
2055
2050
2045
2040
2035
2030
2025
2020
2015
2010

2053.87

114+00.00

6/16/2025
U:\Roadway\CorridorModeling\NC-9_rdy_L_xpl.dgn
dsarvis