6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-244

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2010 2000 1990 1980 1970 2020

E PDE ROW

2:1 3:1 0.020 0.039 4:1 2:1

1978.12 1977.85 1976.80

1980.65

31+00.00

E PDE ROW

ROCK PLATING 1.5:1 3:1 0.020 0.023 2:1

1977.50 1976.90

1980.47

30+50.00

E PDE ROW

ROCK PLATING 1.5:1 3:1 0.020 0.020 2:1

1979.95 1976.95

1980.69

30+00.00

-Y3-

7/13/2026
12513AC_Profiles_xpl_Y3.dgn
mohammedf.allaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-245

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2020
2010
2000
1990
1980
1970

1981.00
32+00.00

0.006 0.052

1980.82
31+50.00

1977.00

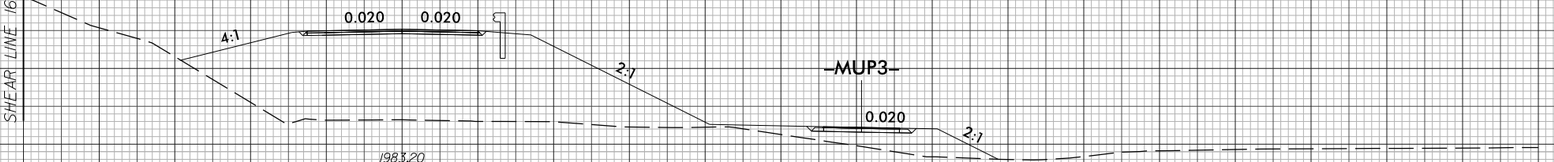
-Y3-

7/13/2026
I:\2513\ac\ddw\x_sol_Y3.dgn
mohammed.faliano

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-246

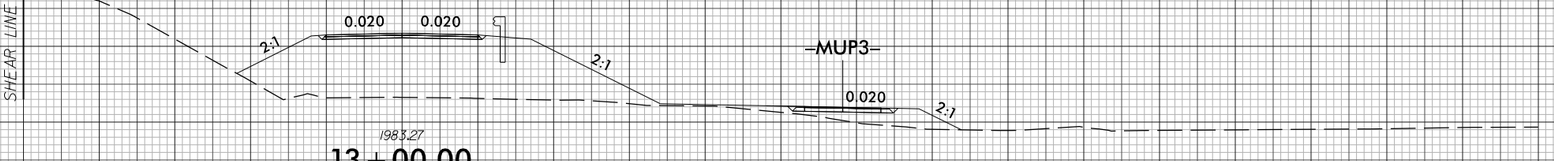
SHEAR LINE 163 (-Y3-)



1983.20

13+50.00

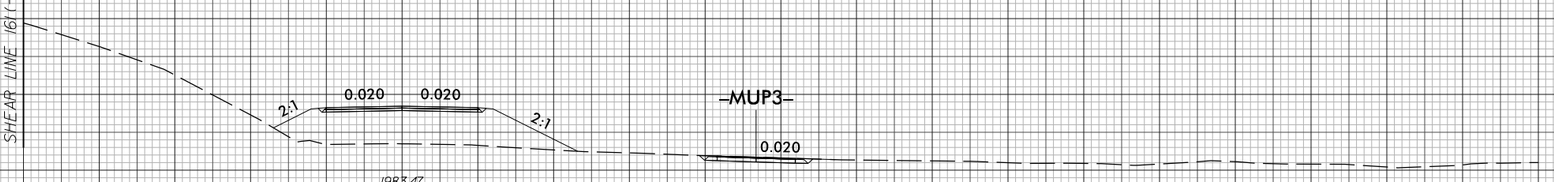
SHEAR LINE 162 (-Y3-)



1983.27

13+00.00

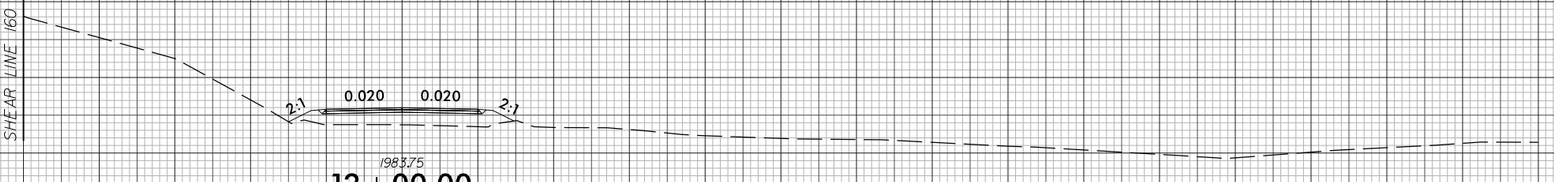
SHEAR LINE 161 (-Y3-)



1983.47

12+50.00

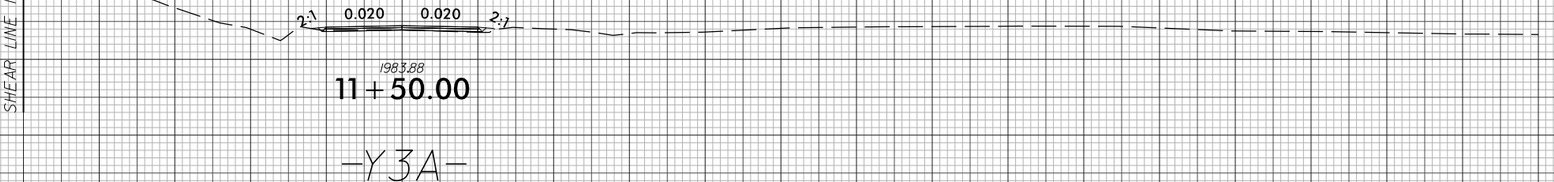
SHEAR LINE 160 (-Y3-)



1983.75

12+00.00

SHEAR LINE 159 (-Y3-)



1983.88

11+50.00

-Y3A-

6/14/2026
P:\513AC\Design\xsl_Y3A.dgn
mohammed.attallah

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-247

SHEAR LINE 166 (-Y3-)

2010
2000
1990

2:1 0.031 0.031 2:1

2004.94

15+00.00

SHEAR LINE 165 (-Y3-)

2010
2000
1990
1980

2:1 0.003 0.020 2:1 -MUP3- 0.020 2:1

1984.55

14+50.00

SHEAR LINE 164 (-Y3-)

2010
2000
1990
1980
1970

4:1 0.020 0.020 2:1 -MUP3- 0.020 2:1

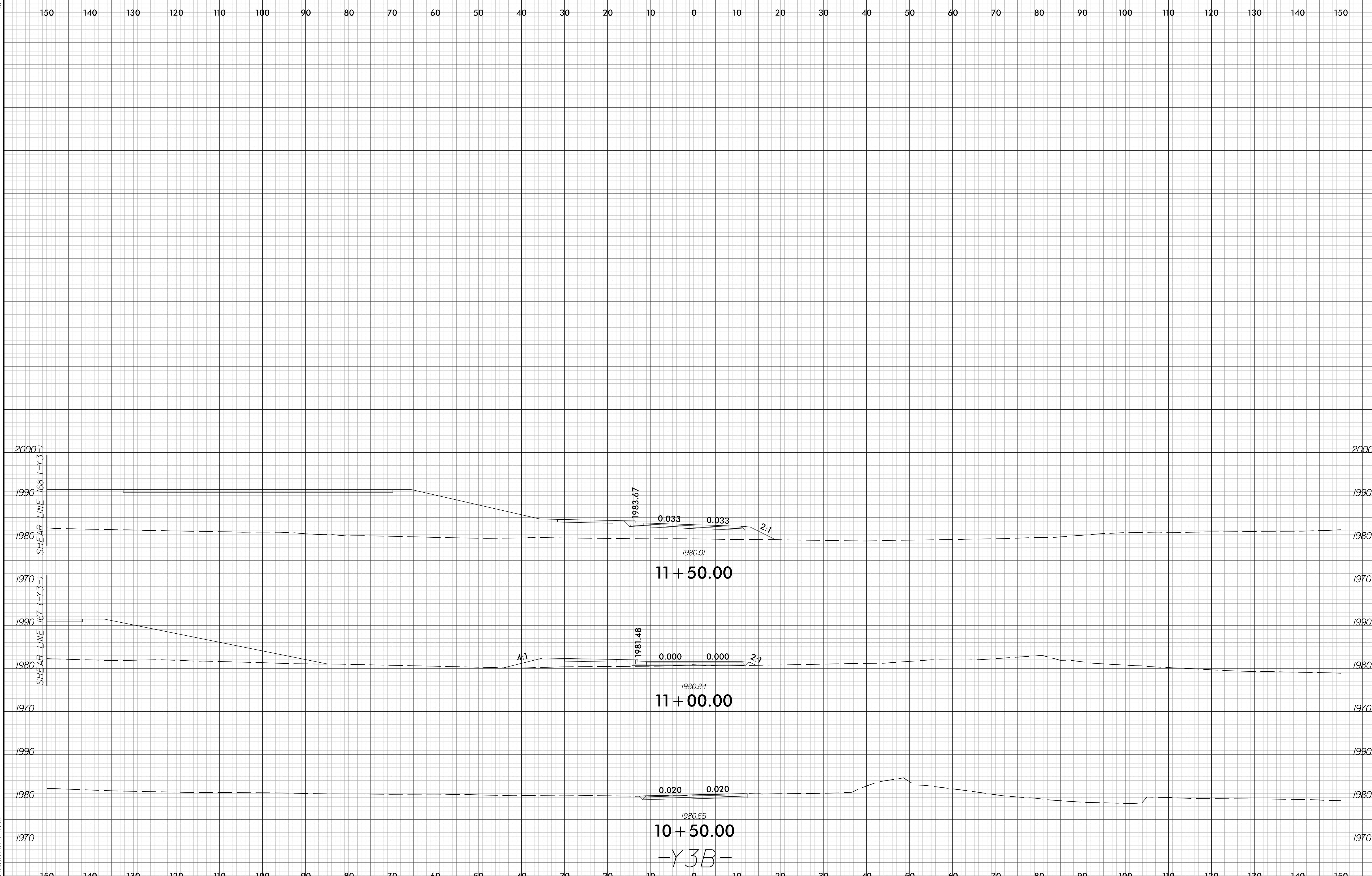
1983.01

14+00.00

-Y3A-

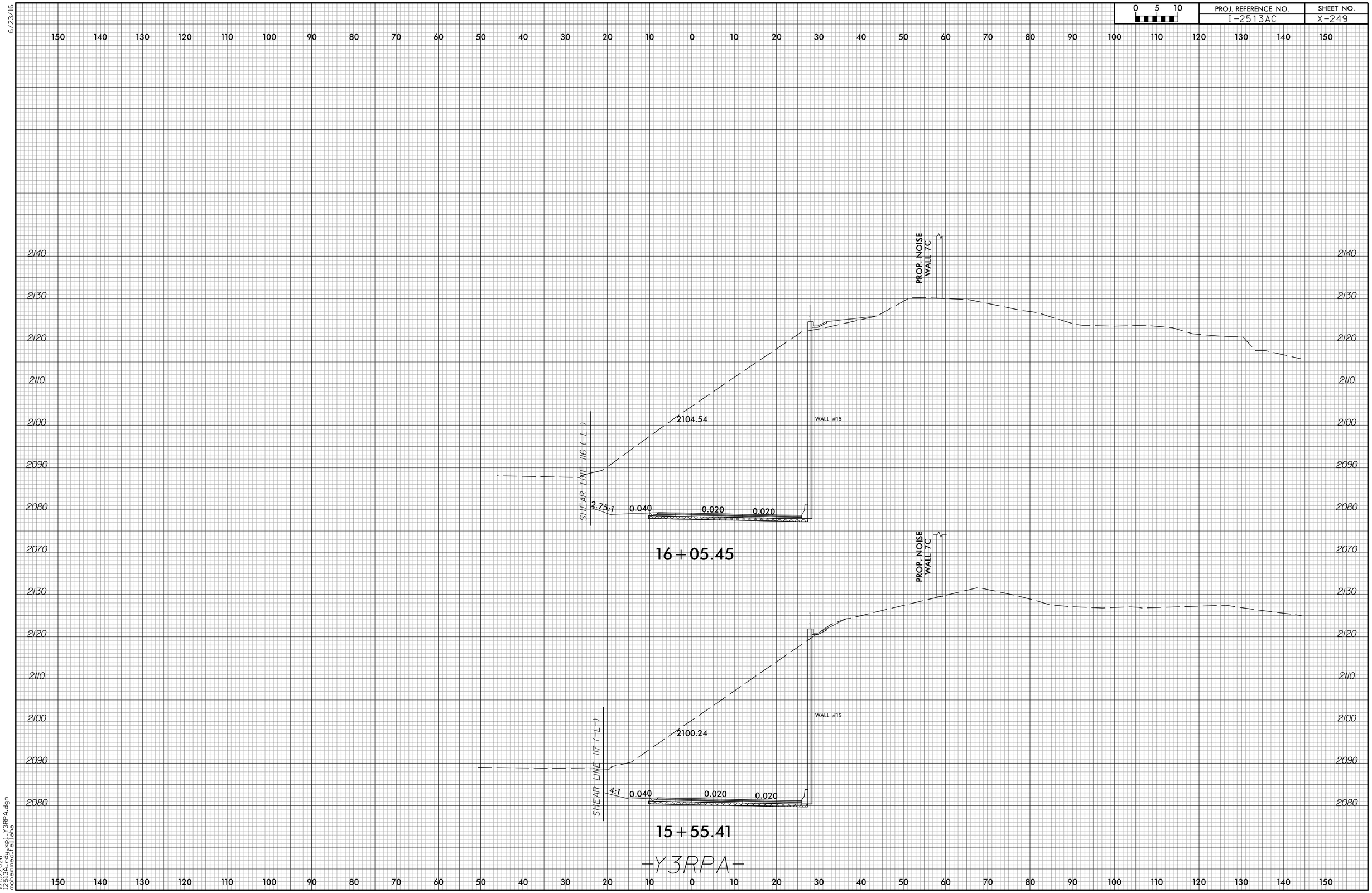
6/14/2026
P:\513ac_xsl_Y3A.dgn
mohammed.rafiana

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-248



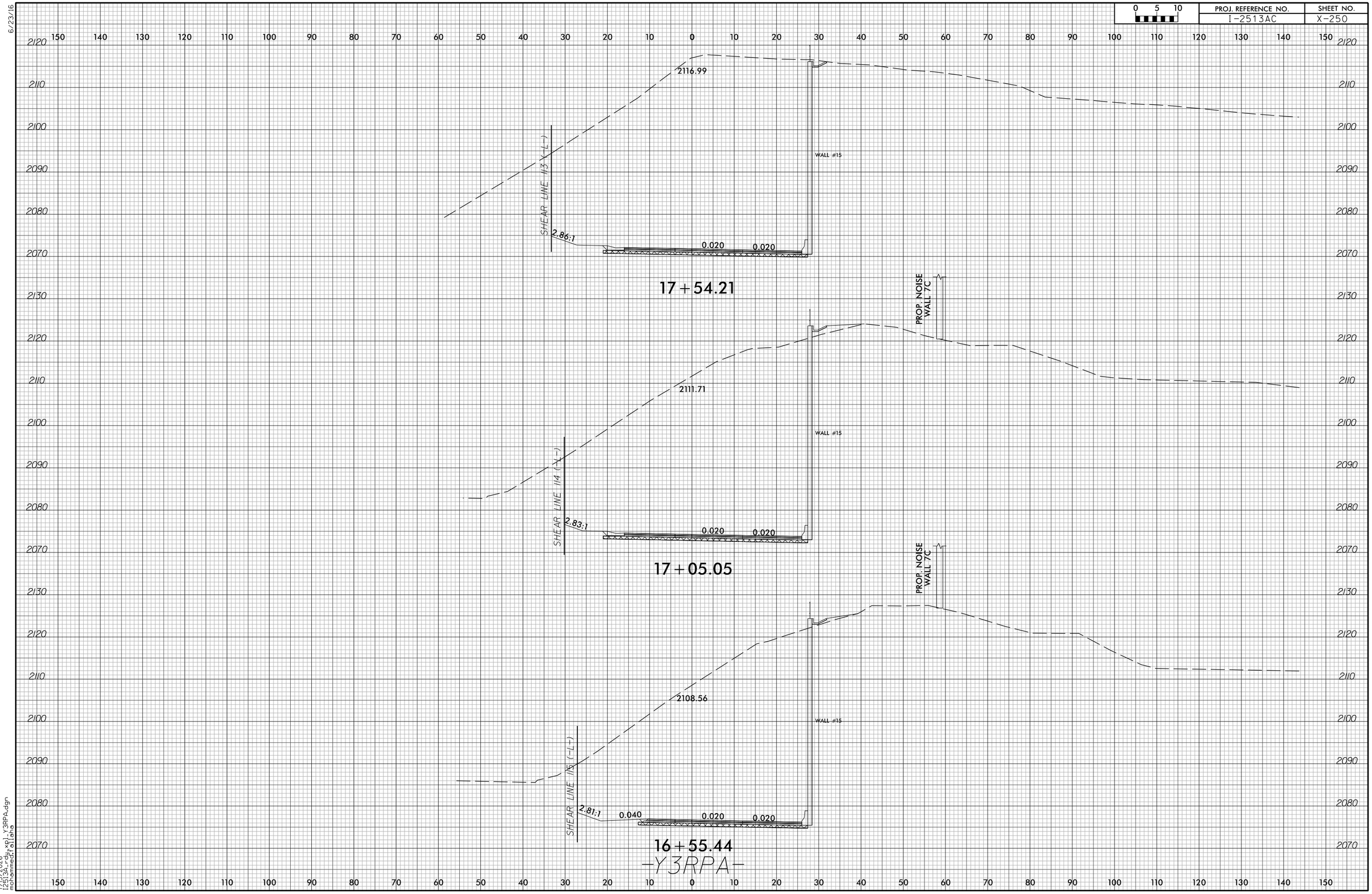
6/23/16

6/14/2026
I2513A_rdy_xpl_Y3B.dgn
mohammed.fallaha



6/23/16

7/13/2026
I2513A_rdy_xpl_Y3RPA.dgn
mohammed.fallaha

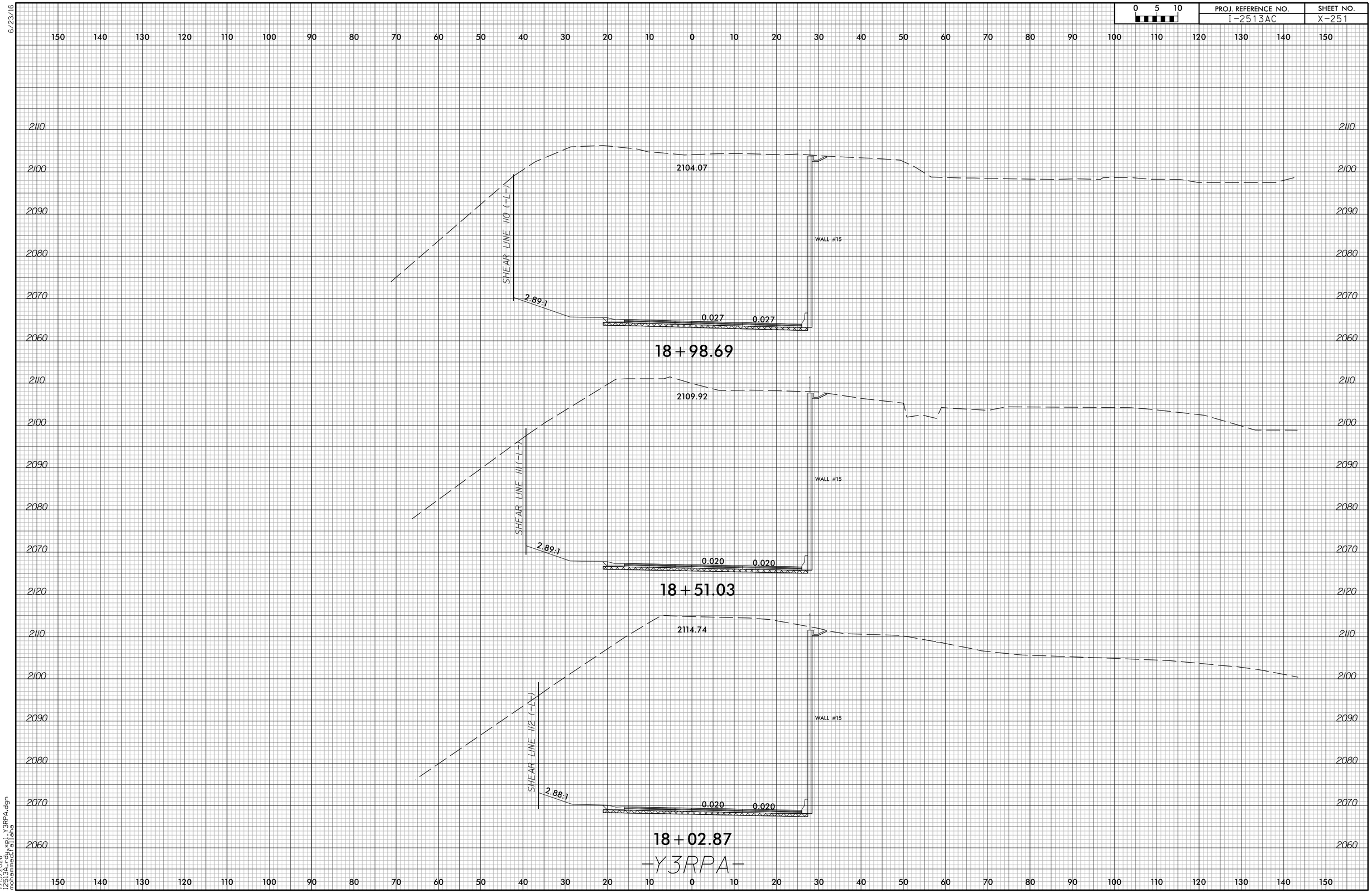


6/23/16

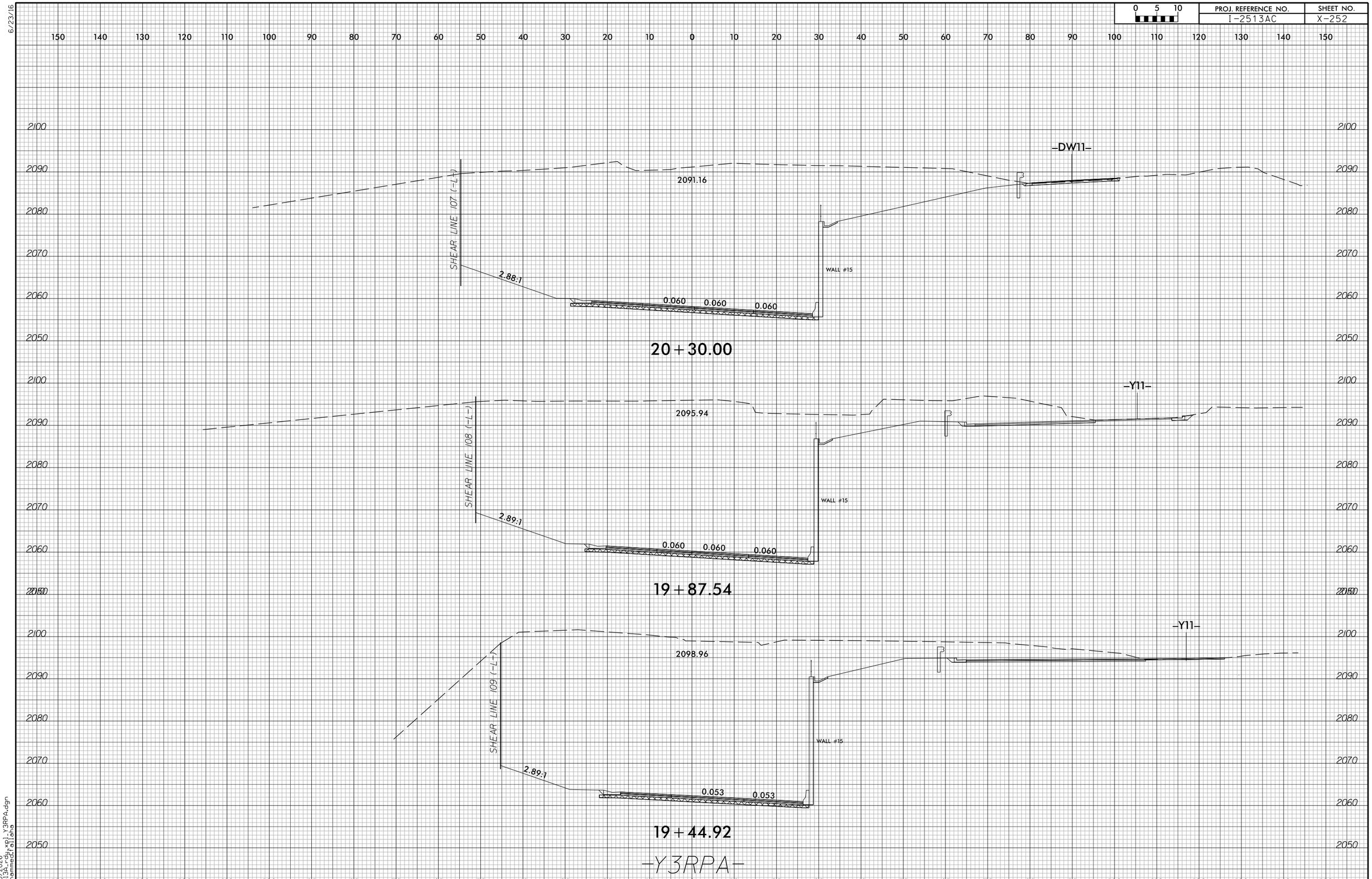
7/13/2026
I2513A_rdy_xpl_Y3RPA.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-251

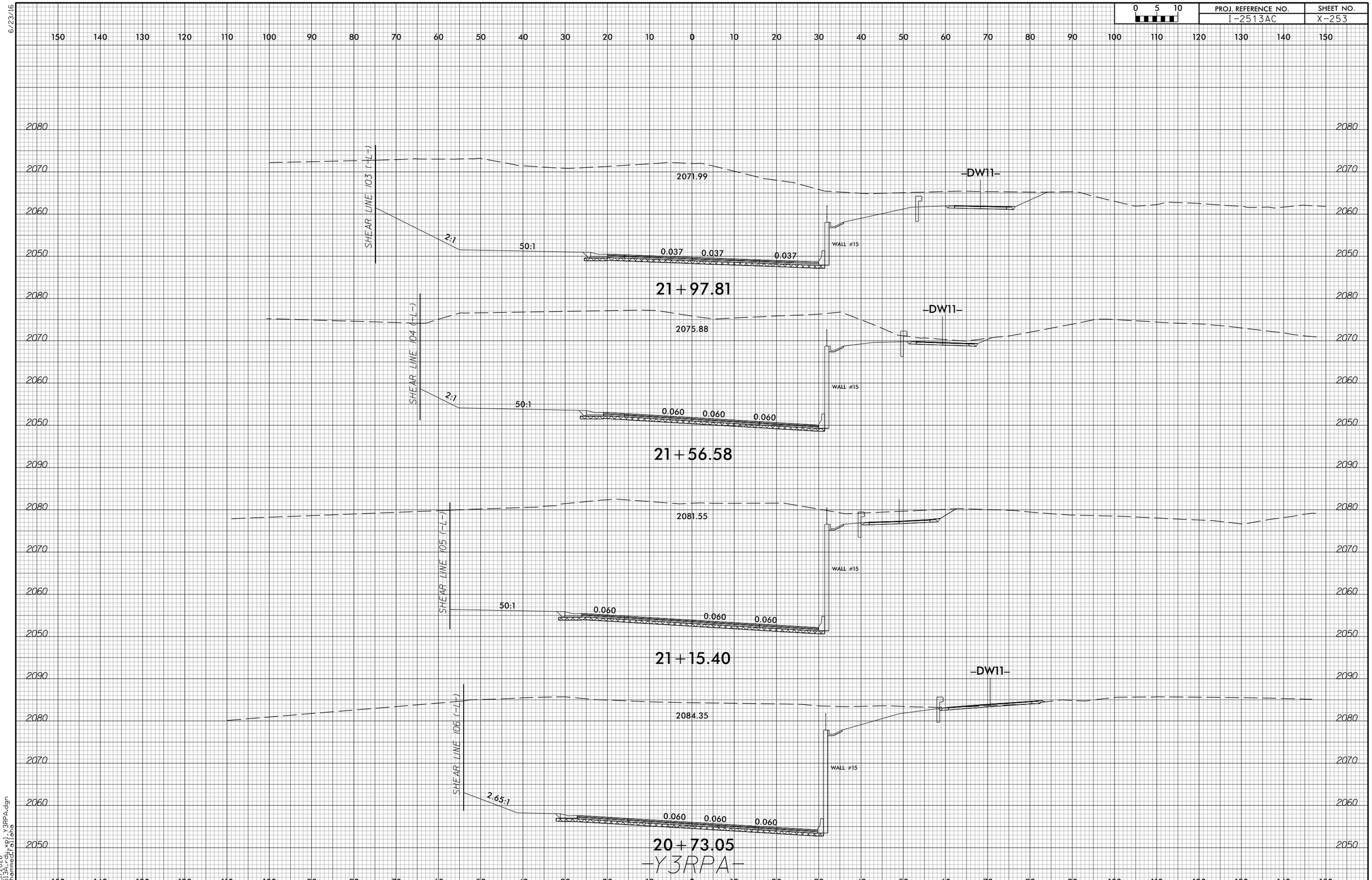


7/13/2026
I:\2513ac\design_xpl_Y3RPA.dgn
mohammedf.allah



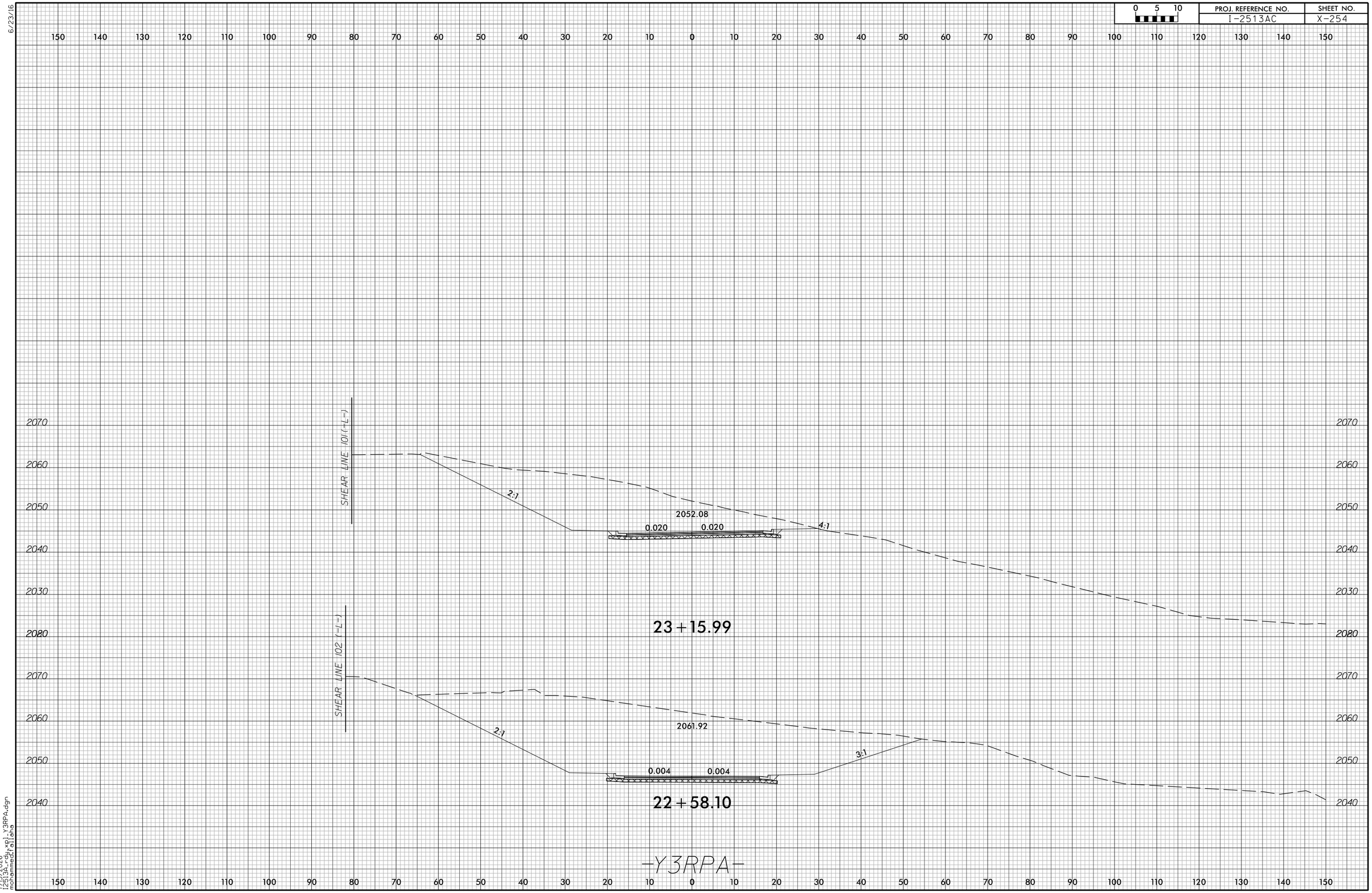
6/23/16

7/13/2026
I2513A_rdy_xpl_Y3RPA.dgn
mohammed.fallaha



6/23/16

7/13/2026
I2513A_rdy_xpl_Y3RPA.dgn
mohammed.fallaha



6/23/16

7/13/2026
I2513A_rdy_xpl_Y3RPA.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-255

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2120 2110 2100 2090 2080 2070 2060

PROP. NOISE WALL 6.8

0.020

3:1

WALL #16

0.040 0.040

3.92:1

2072.65

16+10.05

SHEAR LINE 42 (-L-)

PROP. NOISE WALL 6.8

0.020

5.2:1

WALL #16

0.023 0.023

4:1

2075.52

15+58.84

SHEAR LINE 43 (-L-)

PROP. NOISE WALL 6.8

0.020

2:1

WALL #16

2084.23

0.004 0.004

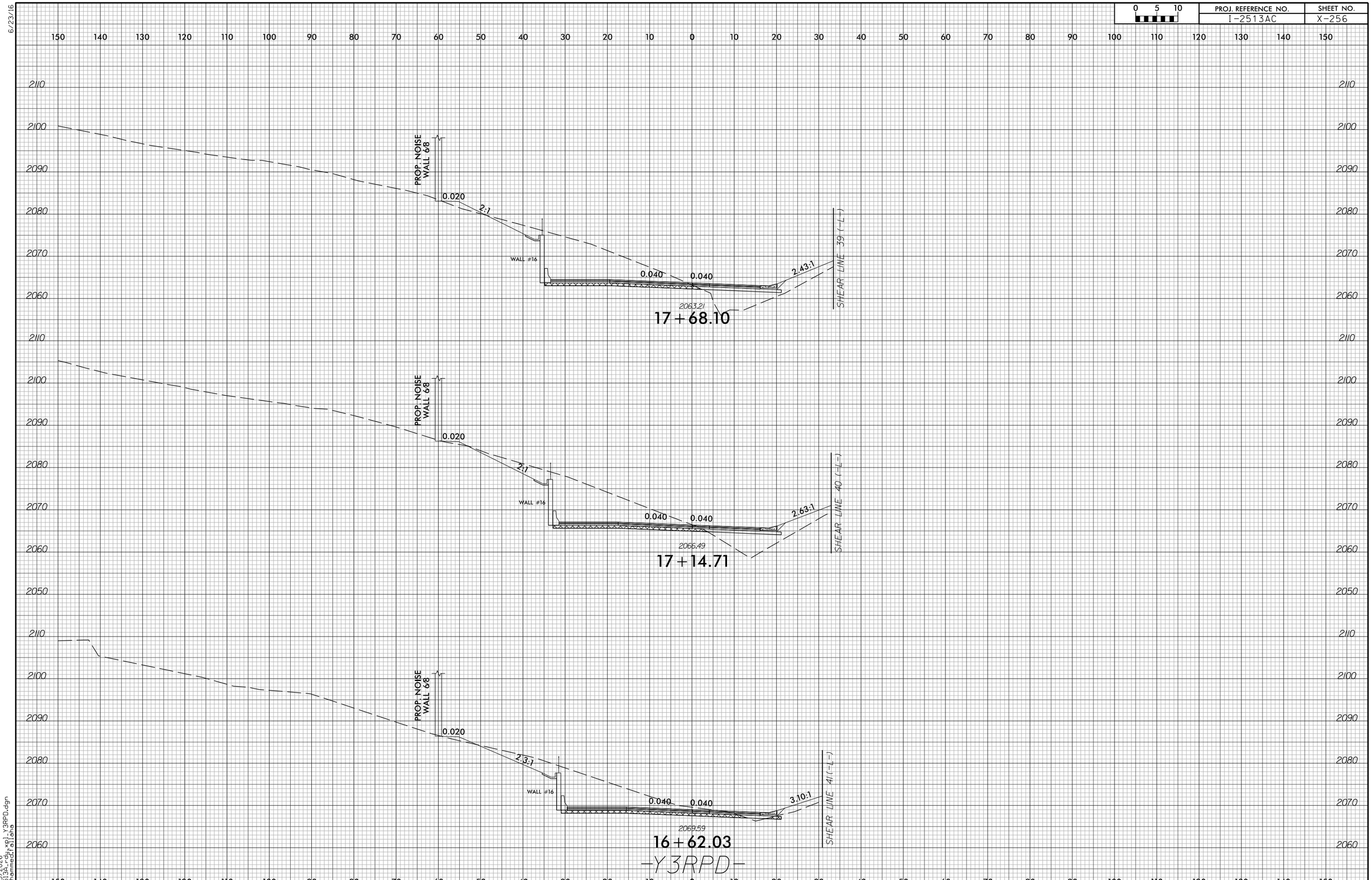
4:1

15+08.72

SHEAR LINE 44 (-L-)

-Y3RPD-

7/13/2026
I:\SHA\Projects\2513AC\Design\Roadway\Profiles\Y3RPD.dgn
mohammed.alsaha



6/23/16

7/13/2026
I2513A_rdy_xpl_Y3RPD.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-257

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2090 2080 2070 2060 2050 2100

2:1

4:1

6:1

2053.39

0.020

0.038

0.039

2.25:1

EEOP

SHEAR LINE 36 (-L-)

2047.88

19+30.20

2090 2080 2070 2060 2050 2040

2:1

4:1

6:1

2056.09

0.040

0.040

2.24:1

SHEAR LINE 37 (-L-)

2052.53

18+75.77

2090 2080 2070 2060 2050

PROP. NOISE WALL 68

0.020

2:1

WALL #16

0.040

0.040

2.29:1

SHEAR LINE 38 (-L-)

2058.69

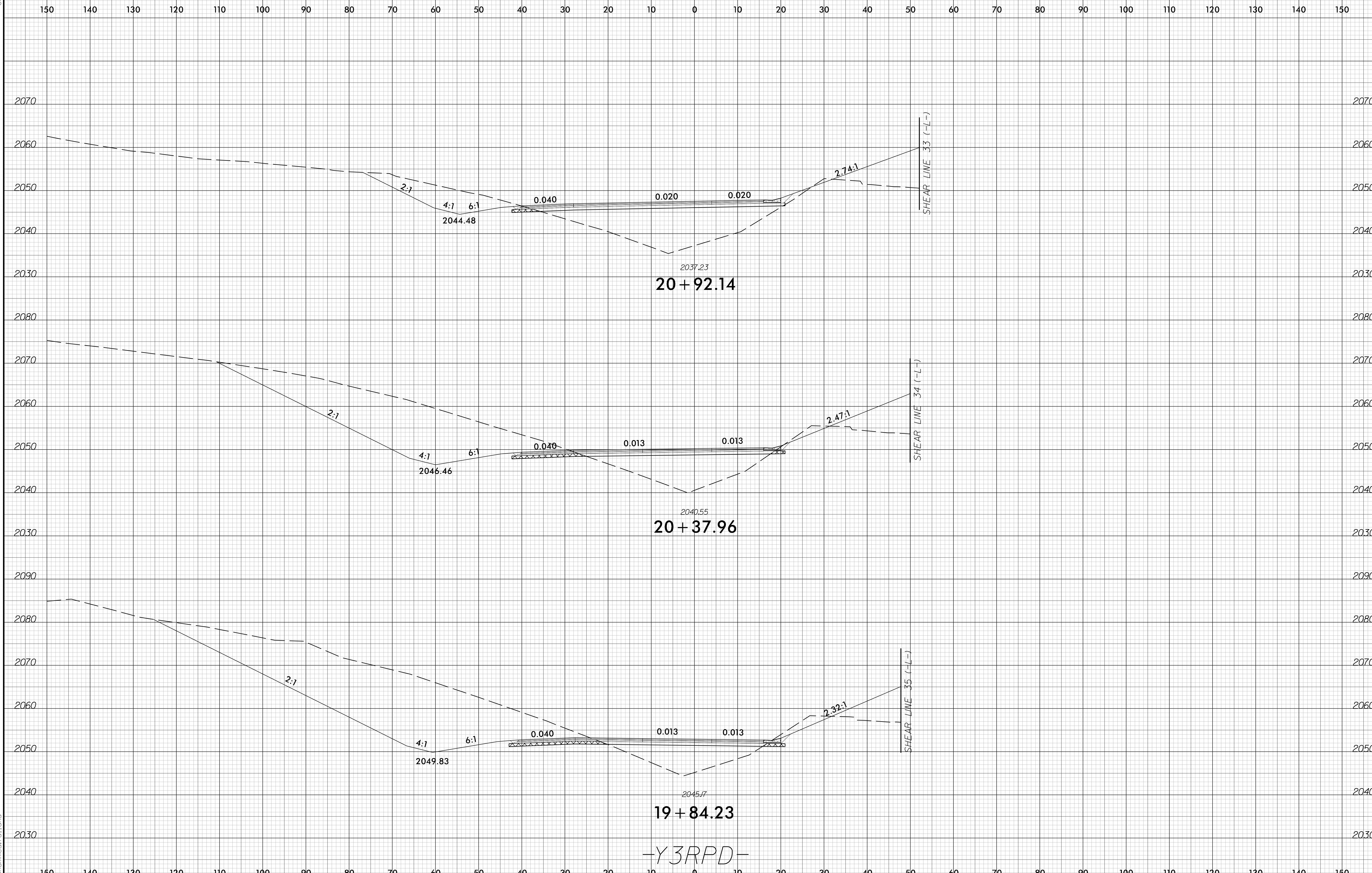
18+21.78

-Y3RPD-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

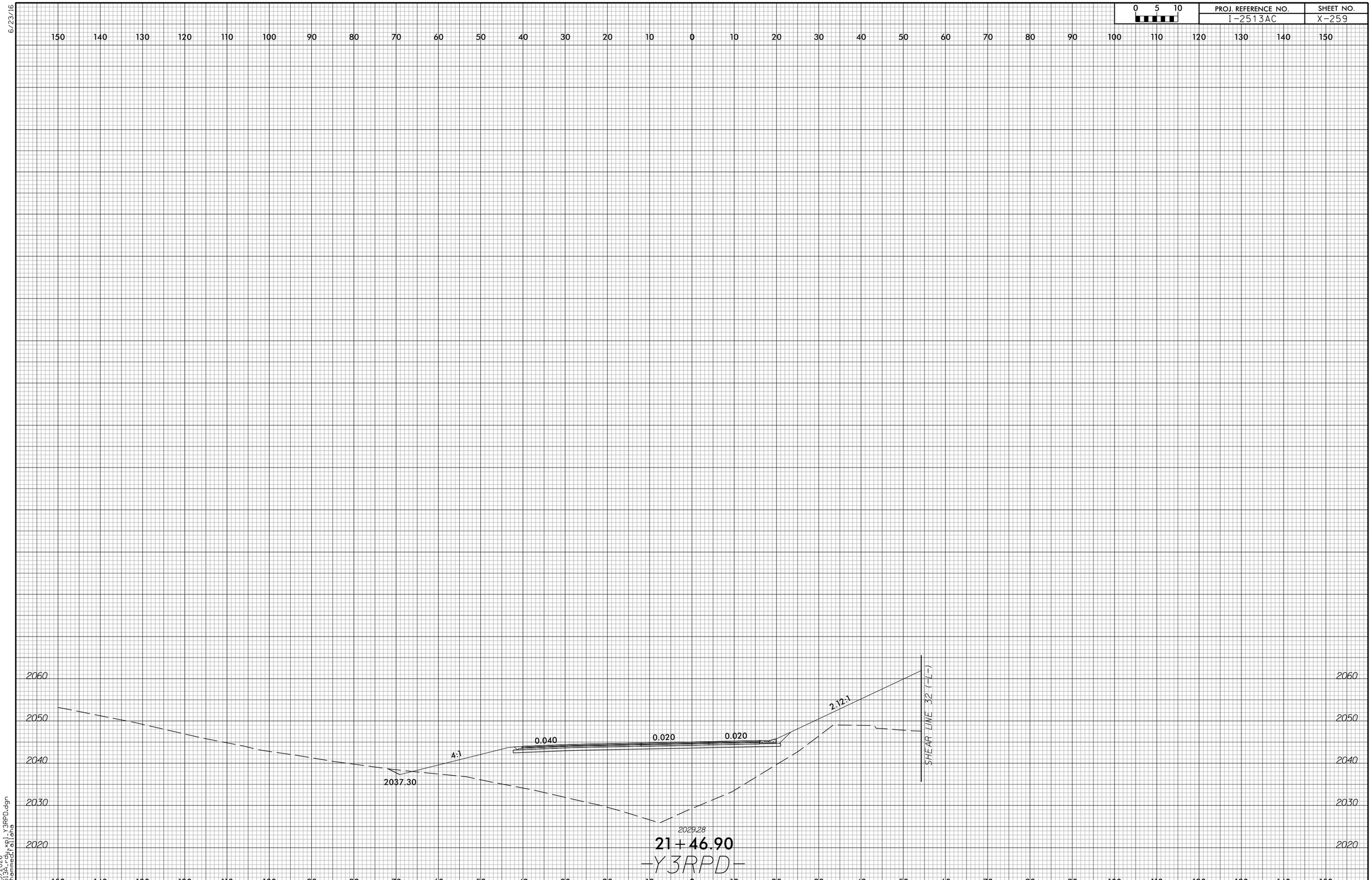
7/13/2026
12:36:36
c:\projects\...\xsl_Y3RPD.dgn
mohammed.attiana

PROJ. REFERENCE NO.	SHEET NO.
I-2513AC	X-258



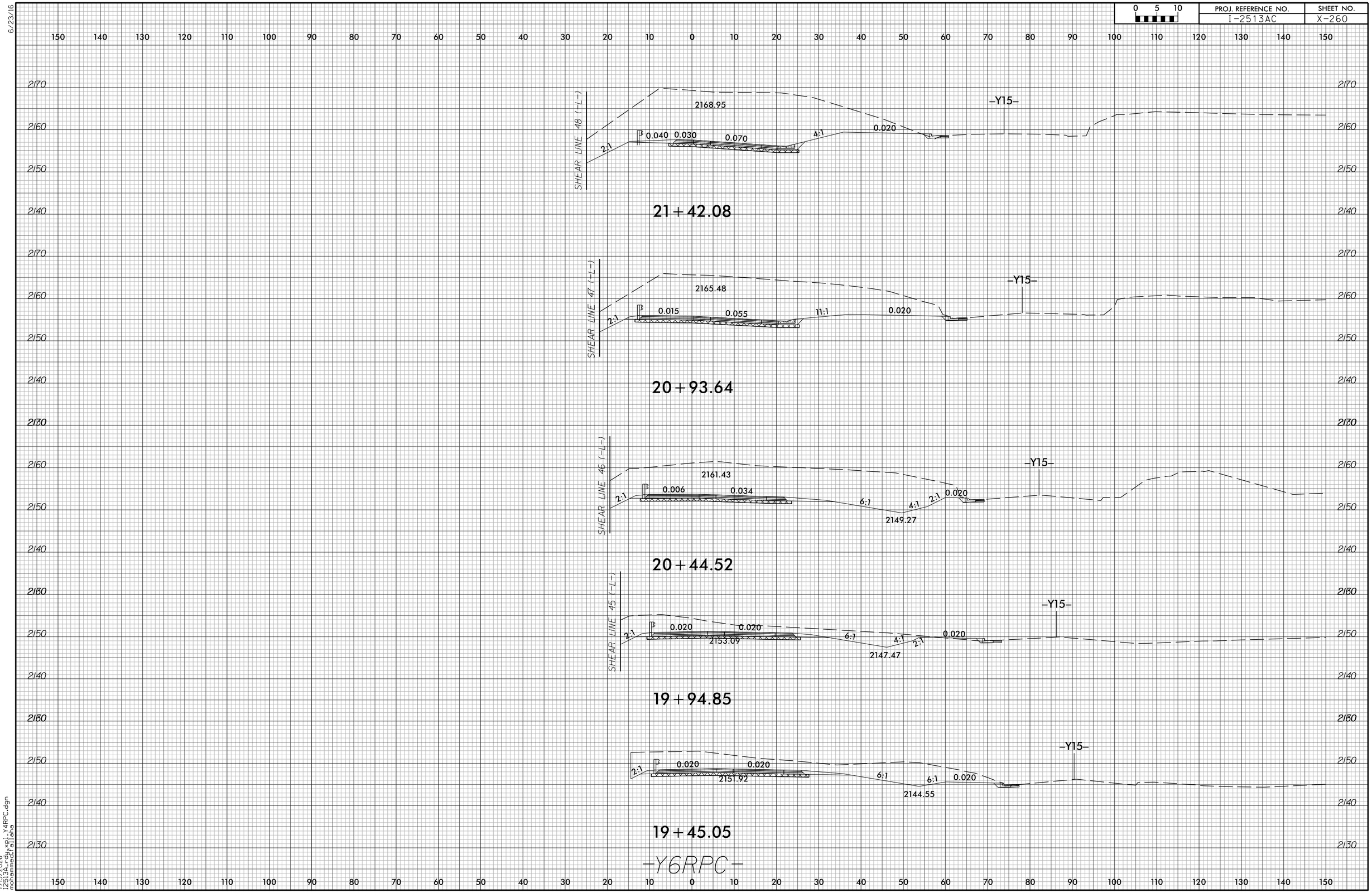
6/23/16

7/13/2026
12513A_rdy_xpl_Y3RPD.dgn
mohammed.falaha



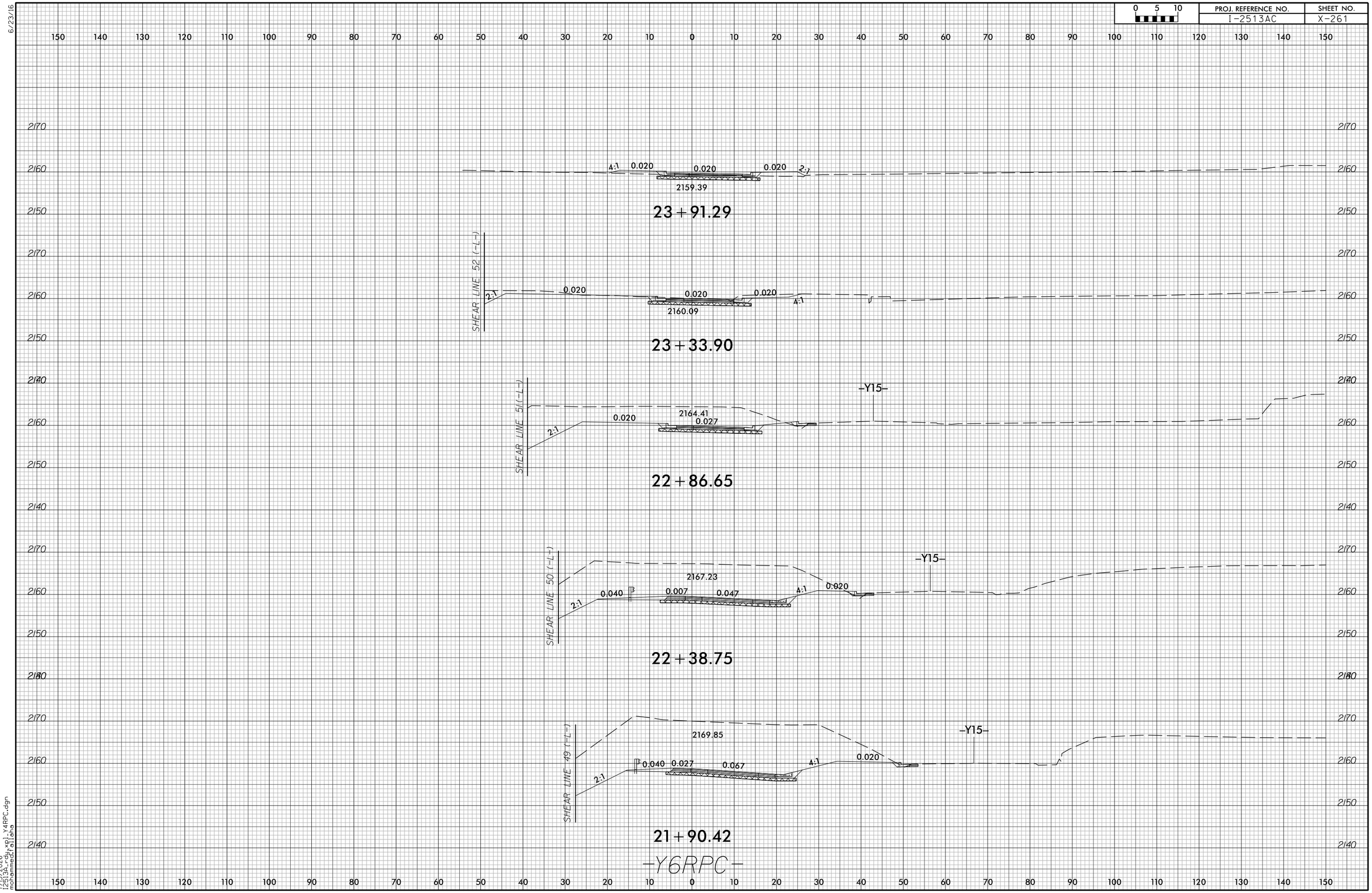
6/23/16

7/13/2026
I2513A_rdy_xpl_Y3RPD.dgn
mohammed.fallaha



6/23/16

7/13/2026
I2513A_rdy_xpl_Y4RPC.dgn
mohammed.fallaha



6/23/16

7/13/2026
I2513A_rdy_xpl_Y4RPC.dgn
mohammed.fallaha

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-262

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

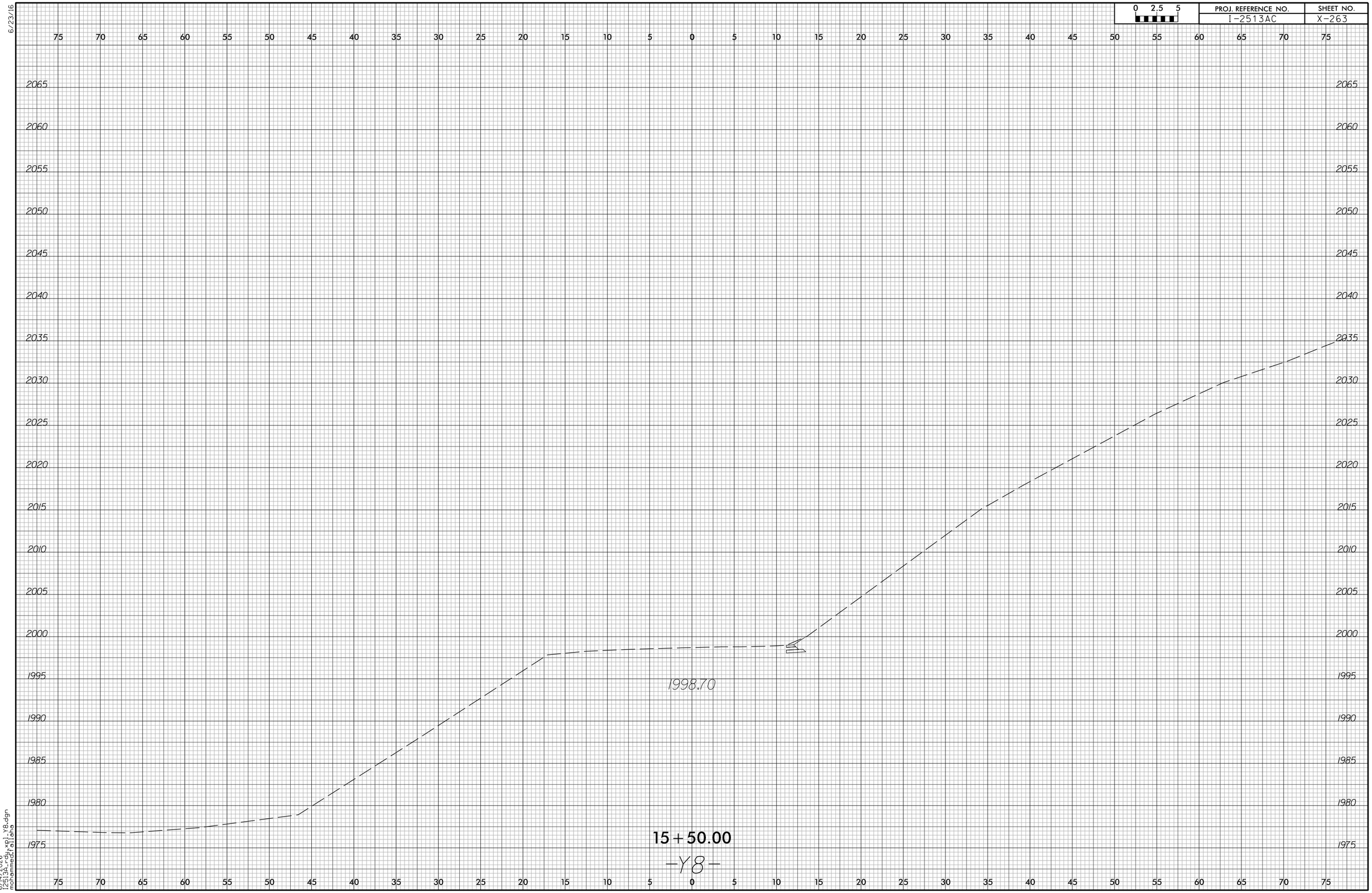
2050
2045
2040
2035
2030
2025
2020
2015
2010
2005
2000
1995
1990
1985
1980
1975

1997.47

15+00.00

-Y8-

6/14/2026
I2513ac_xsl_Y8.dgn
mohammed.rafiano



6/23/16

6/14/2026
I2513A_rdy_xpl_Y8.dgn
mohammed.fallaha

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-264

2000.06

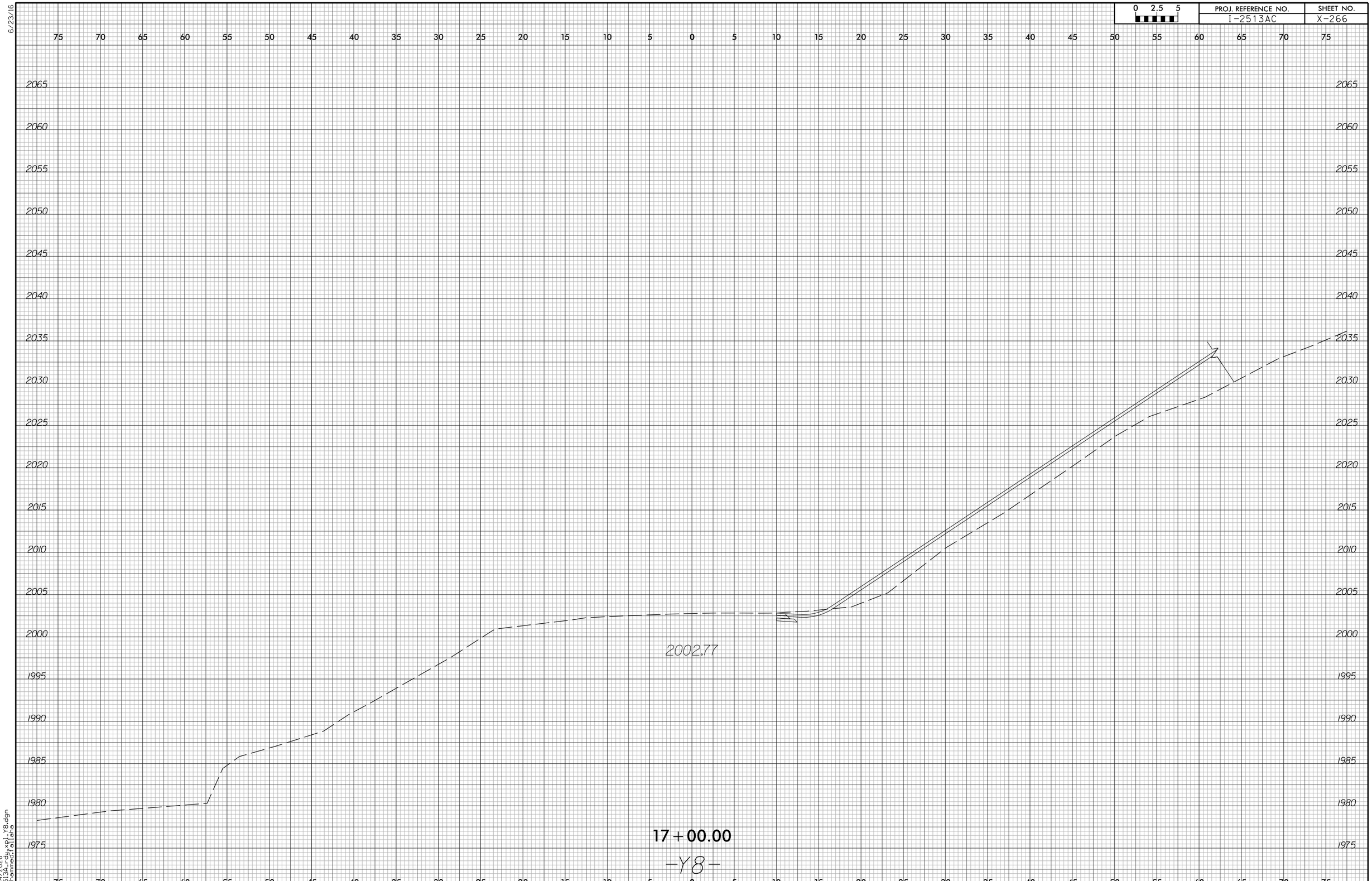
16+00.00

-Y8-

6/14/2026
I:\2513\26\dgn\xpl_Y8.dgn
mohammedf.olaha

6/23/16

6/14/2026
I2513A_rdy_xpl_Y8.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_Y8.dgn
mohammed.fallaha

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-267

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

2045
2040
2035
2030
2025
2020
2015
2010
2005
2000
1995
1990
1985
1980
1975

2004.60

17+50.00

-Y8-

6/14/2026
I:\2513\active\2513AC\roadway\xpl_Y8.dgn
mohammed.hallaha

6/23/16

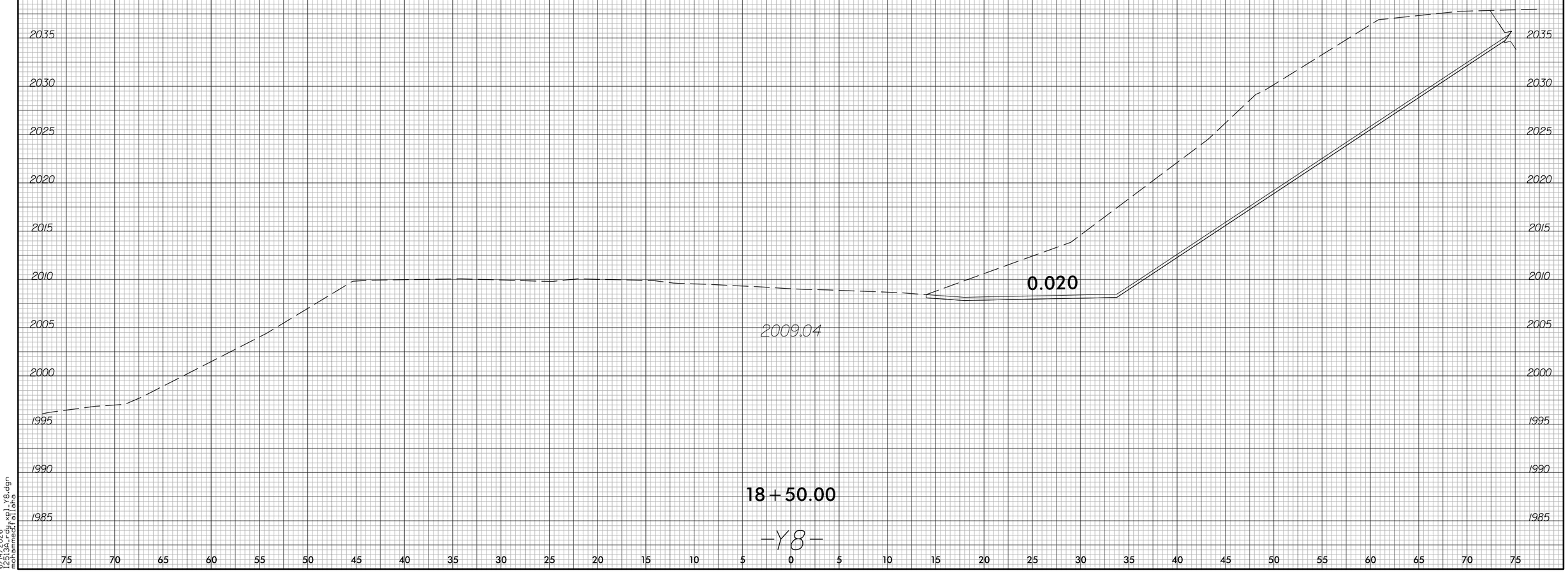
6/14/2026
I2513A_rdy_xpl_Y8.dgn
mohammed.fallaha

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-269

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

2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990 1985



18+50.00

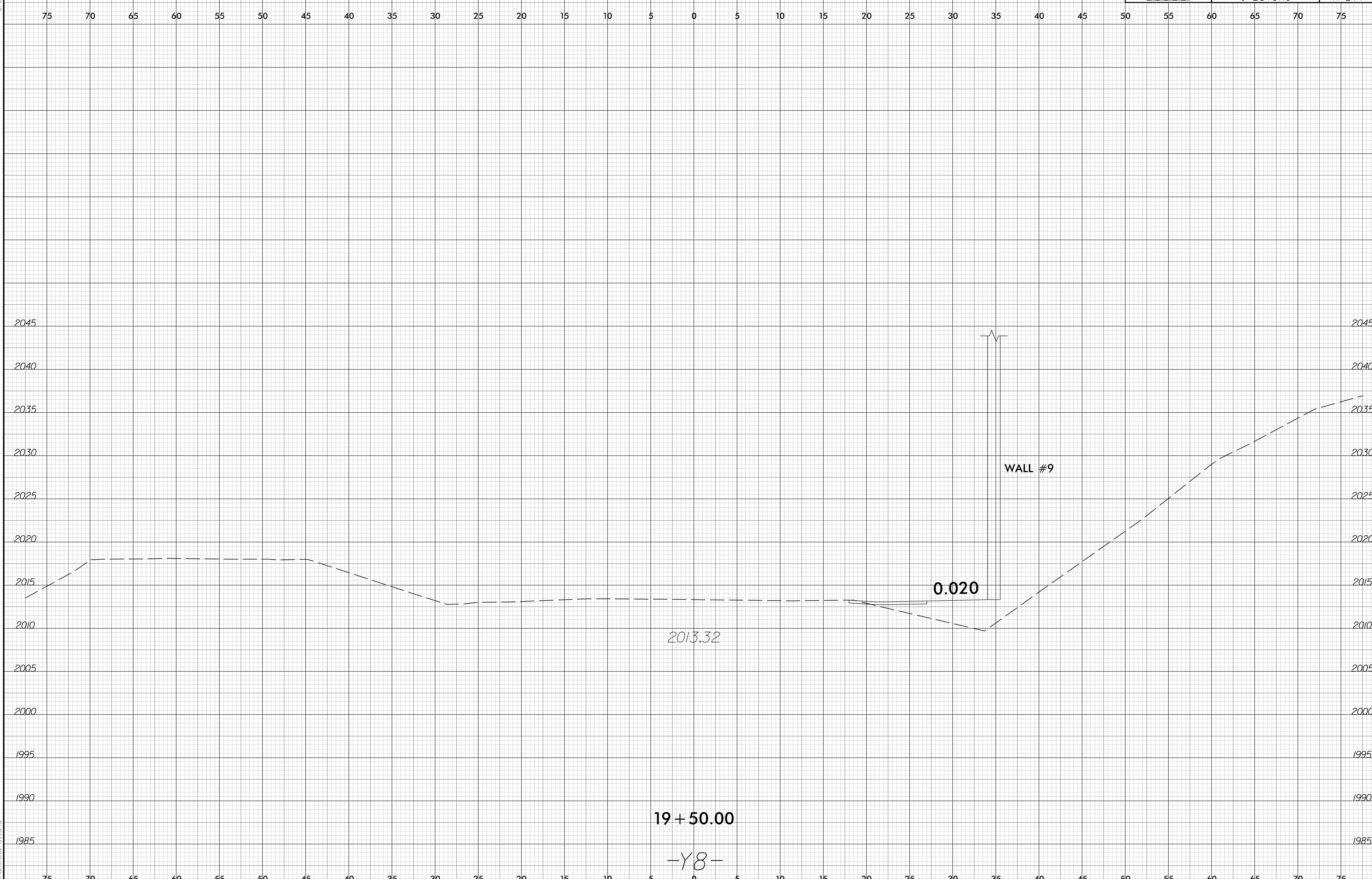
-Y8-

6/14/2026
P:\513ac\dgn\ac513_xs_Y8.dgn
mohammed.rafiana

6/23/16

6/14/2026
I2513A_rdy_xpl_Y8.dgn
mohammed.fallaha

PROJ. REFERENCE NO.	SHEET NO.
I-2513AC	X-271



6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-272

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

2050 2045 2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990

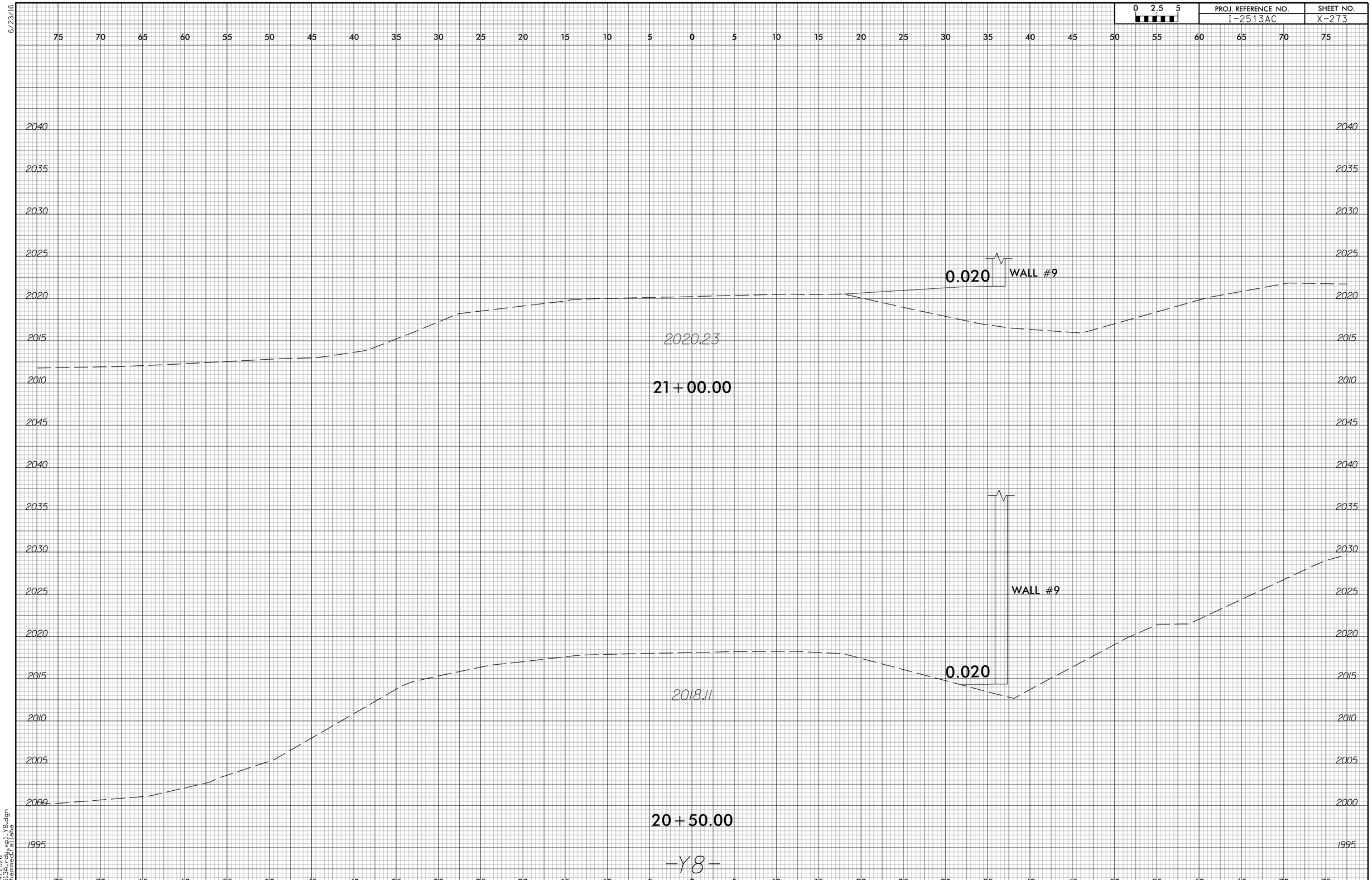
WALL #9

2015.70

20+00.00

-Y8-

6/14/2026
P:\513ac\...\xs_Y8.dgn
mohammed.rafiana



6/23/16

6/14/2026
I2513A_rdy_xpl_Y8.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-274

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2060
2050
2040
2030

2:1
2036.76
0.009
0.009
0.020
2036.30
3:1
2036.92

12+50.00

0.000
0.000
0.020
2039.30
4:1
2039.66

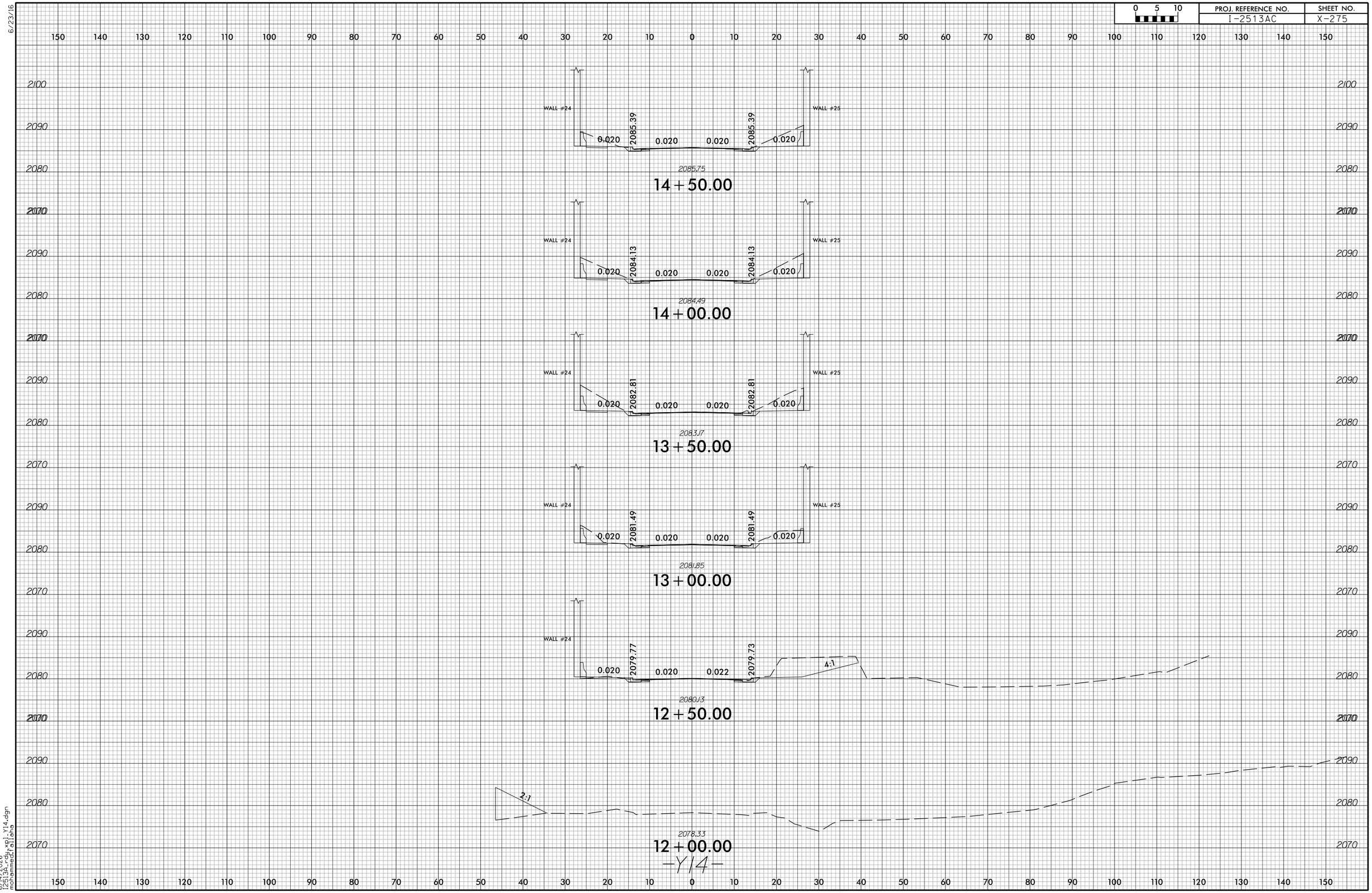
12+00.00

2043.40

11+50.00

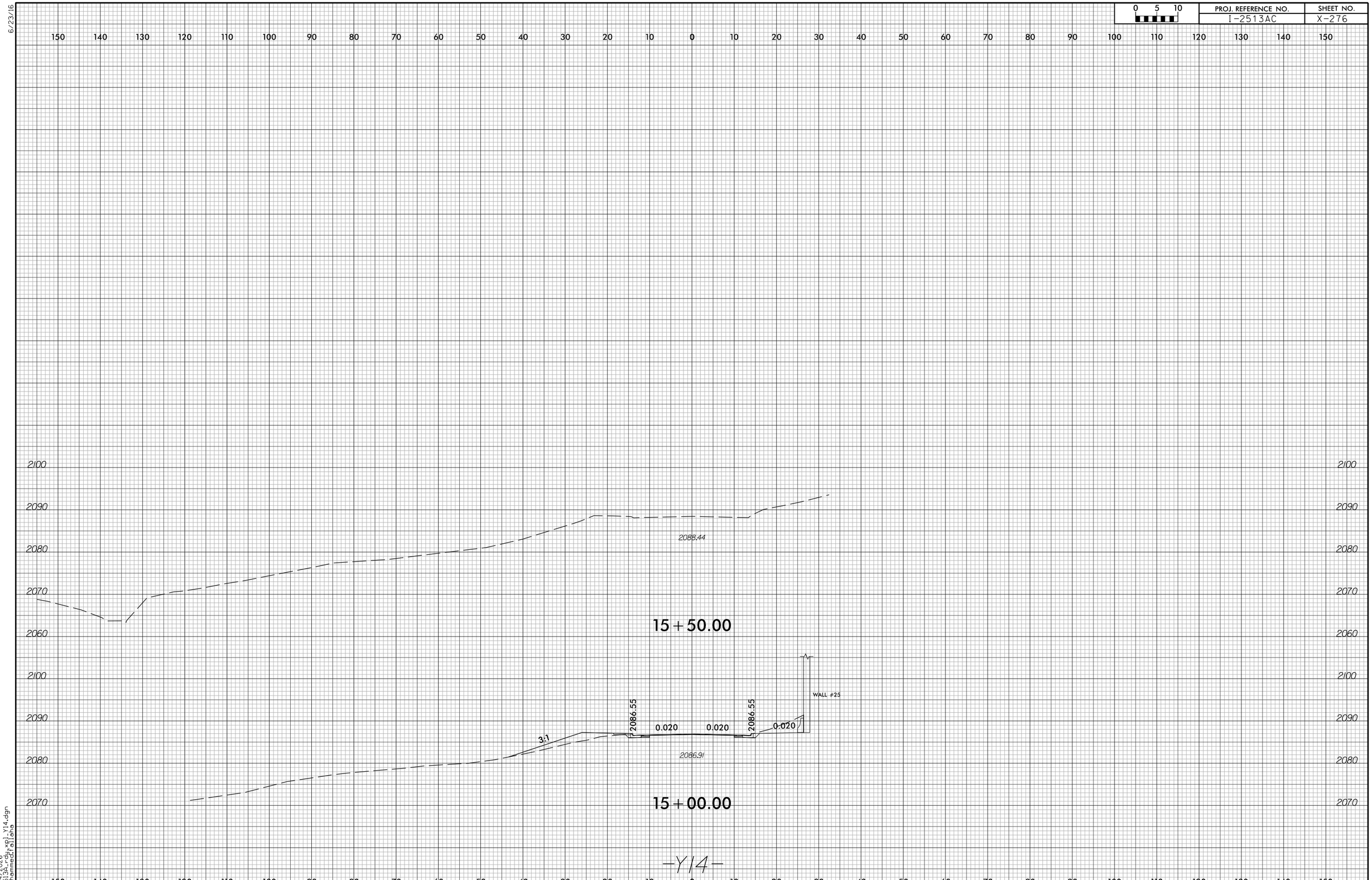
-Y10-

6/14/2026
12:54:29 PM
mohammedf
I:\2513\acad\xpl_Y10.dgn



6/23/16

6/14/2026
I2513A_rdy_xpl_Y14.dgn
mohammed.fallaha



0 5 10
PROJ. REFERENCE NO.
I-2513AC
SHEET NO.
X-276
6/23/16
2088.44
15+50.00
WALL #25
2086.55
0.020
0.020
2086.55
0.020
3:1
2086.91
15+00.00
-Y14-
6/14/2026
I2513A_rdy_xpl_Y14.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-277

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2050 2040 2030 2020 2070 2060 2050 2040 2030 2020 2010 2060 2050 2040 2030 2020 2010

SHEAR LINE 71 (RP32+)

0.020 0.020 2:1

2036.00

10+50.00

SHEAR LINE 70 (RP32+)

0.020 0.020 2:1

2035.33

10+25.00

SHEAR LINE 70 (RP32+)

0.020 0.020 22.5:1

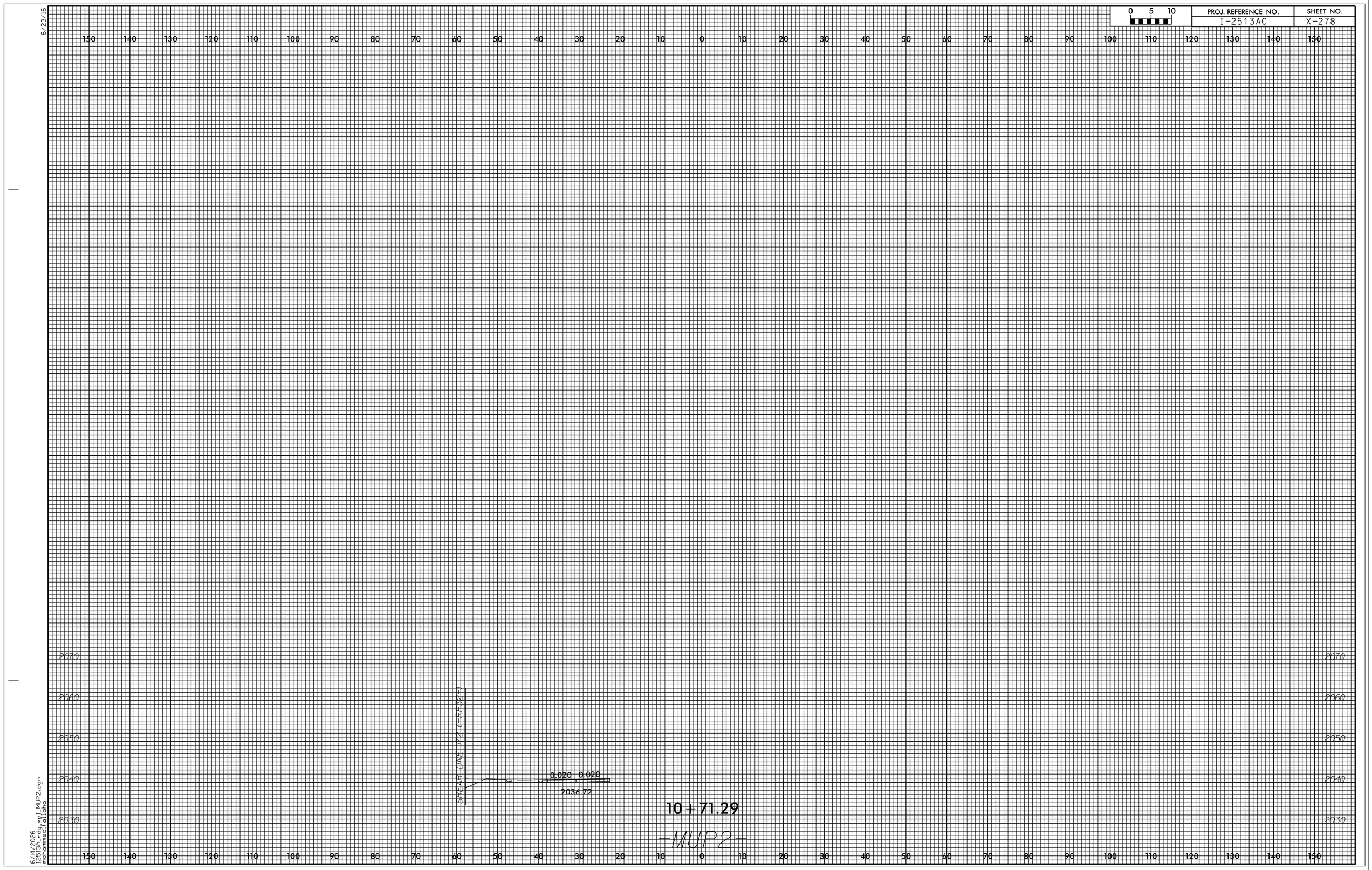
2034.93

10+00.00

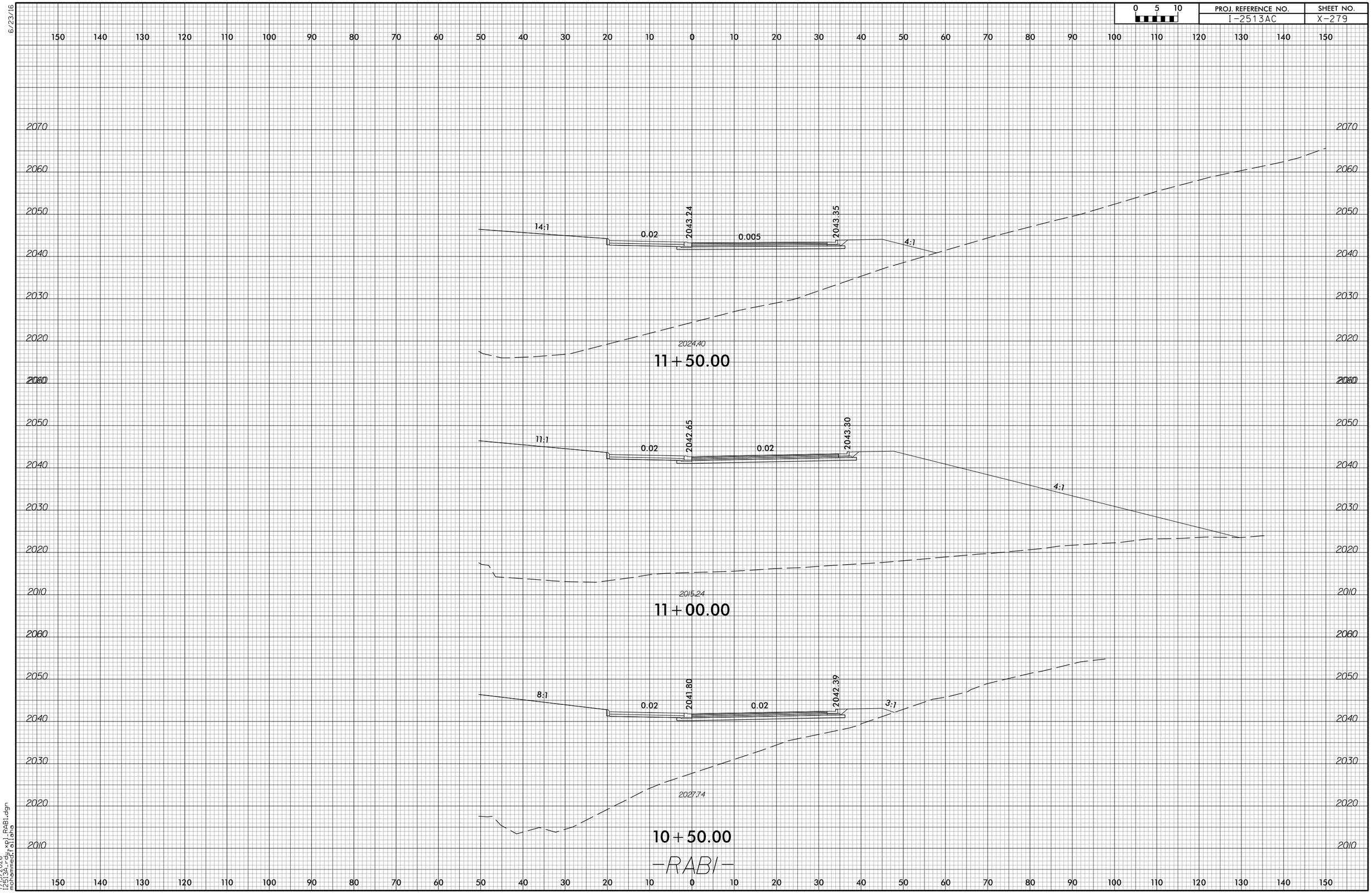
SHEAR LINE 69 (RP32+)

-MUP2-

6/14/2026
I2513AC_Roadway_xpl_MUP2.dgn
mohammedr.allaha



0 5 10
PROJ. REFERENCE NO.
I-2513AC
SHEET NO.
X-278
6/23/16
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
2070
2060
2050
2040
2030
SHEAR LINE 172 (-RP32-)
0.020 0.020
2036.72
10 + 71.29
-MUP2-
6/14/2026
I2513A_rdy_xpl_MUP2.dgn
mohammed.fallaha



6/23/16

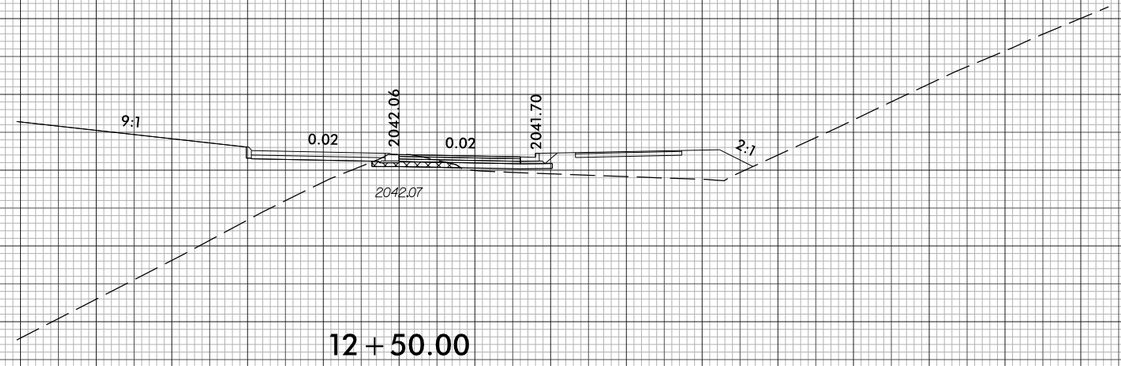
7/13/2026
I2513A_rdy_xpl_RABI.dgn
mohammed.fallaha

6/23/16

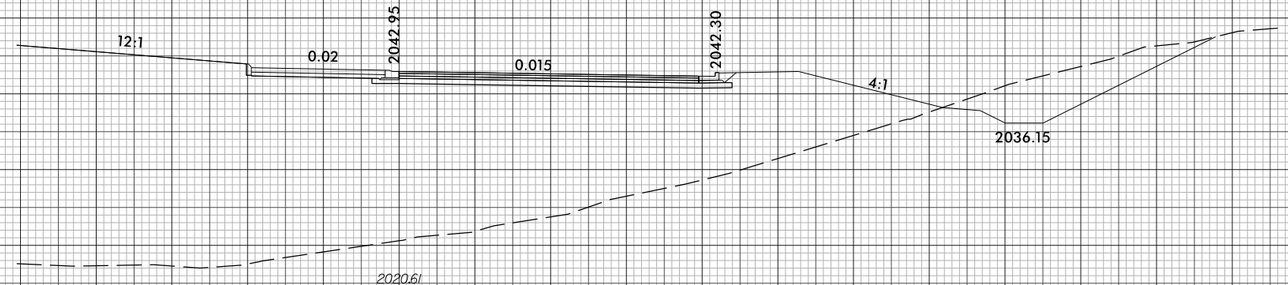
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-280

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2070 2060 2050 2040 2030 2020 2010



12+50.00



12+00.00

-RABI-

7/13/2026
I:\2513ac\...\xsl_RAB1.dgn
mohammedf.aliane

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-281

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2060 2050 2040 2030 2020 2010

13.7:1 0.02 2043.84 0.020 2042.94 0.02

2039.16

WALL #18

SHEAR LINE 29 (-RP23- STA 40+15.12)

12+50.00

10.5:1 0.02 2043.16 0.020 2043.76 4:1

2021.13

11+00.00

11.3:1 0.02 2043.87 0.020 0.020 4:1

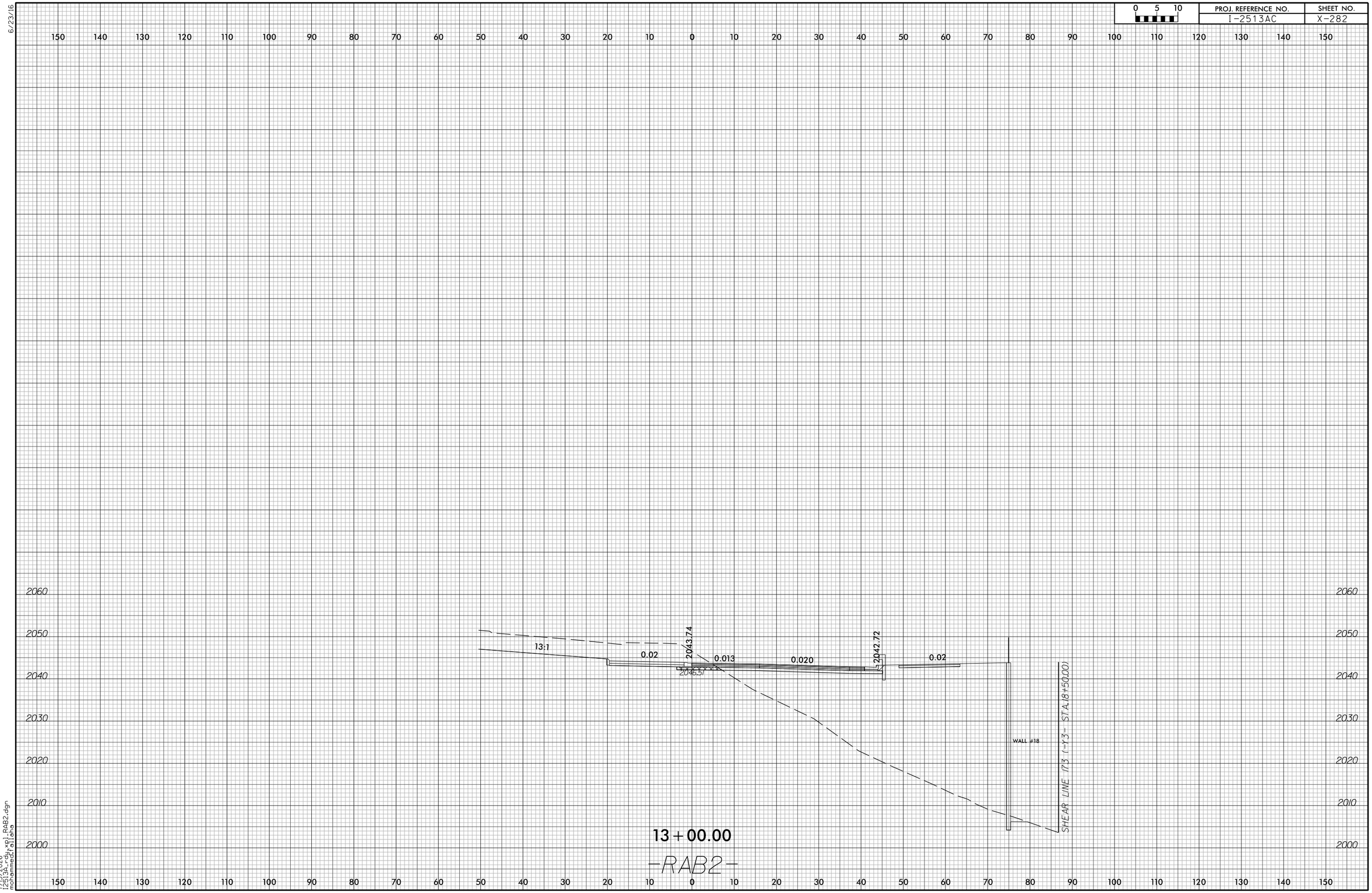
2027.90

10+50.00

-RAB2-

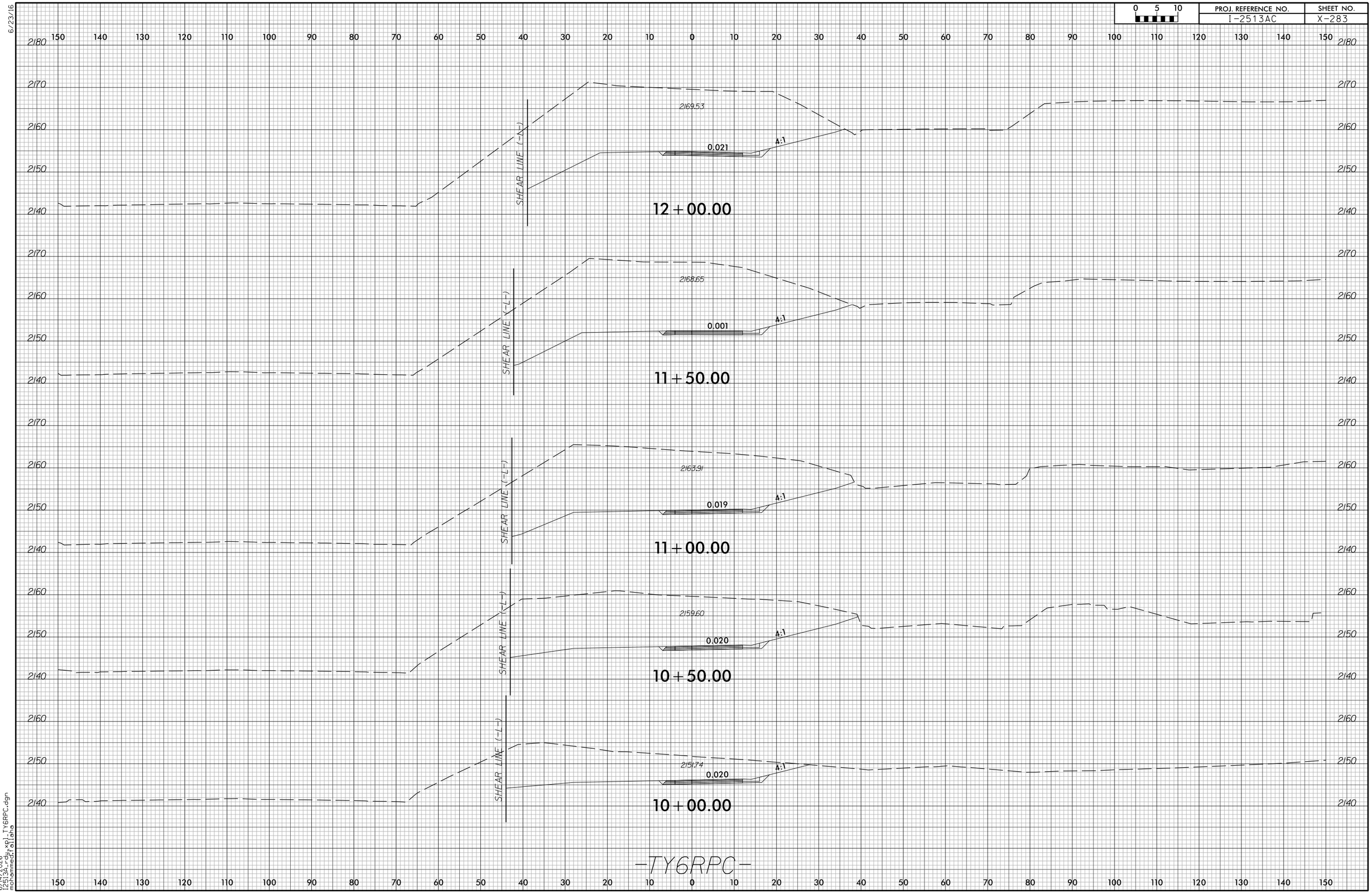
7/13/2026
12513ac_x01_RAB2.dgn
mohammedr1alaha

PROJ. REFERENCE NO.	SHEET NO.
I-2513AC	X-282



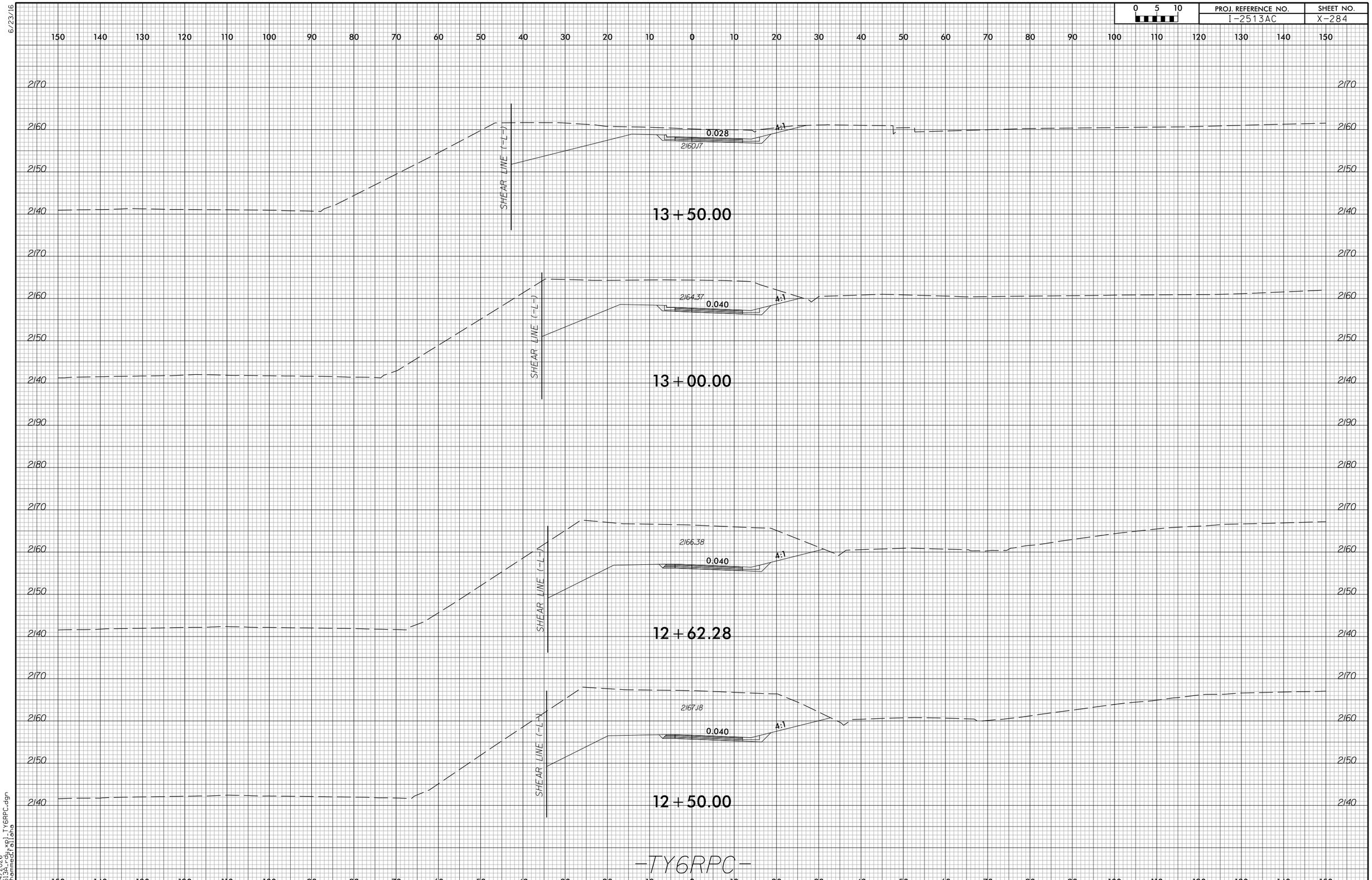
6/23/16

7/13/2026
I2513A_rdy_xpl_RAB2.dgn
mohammed.fallaha



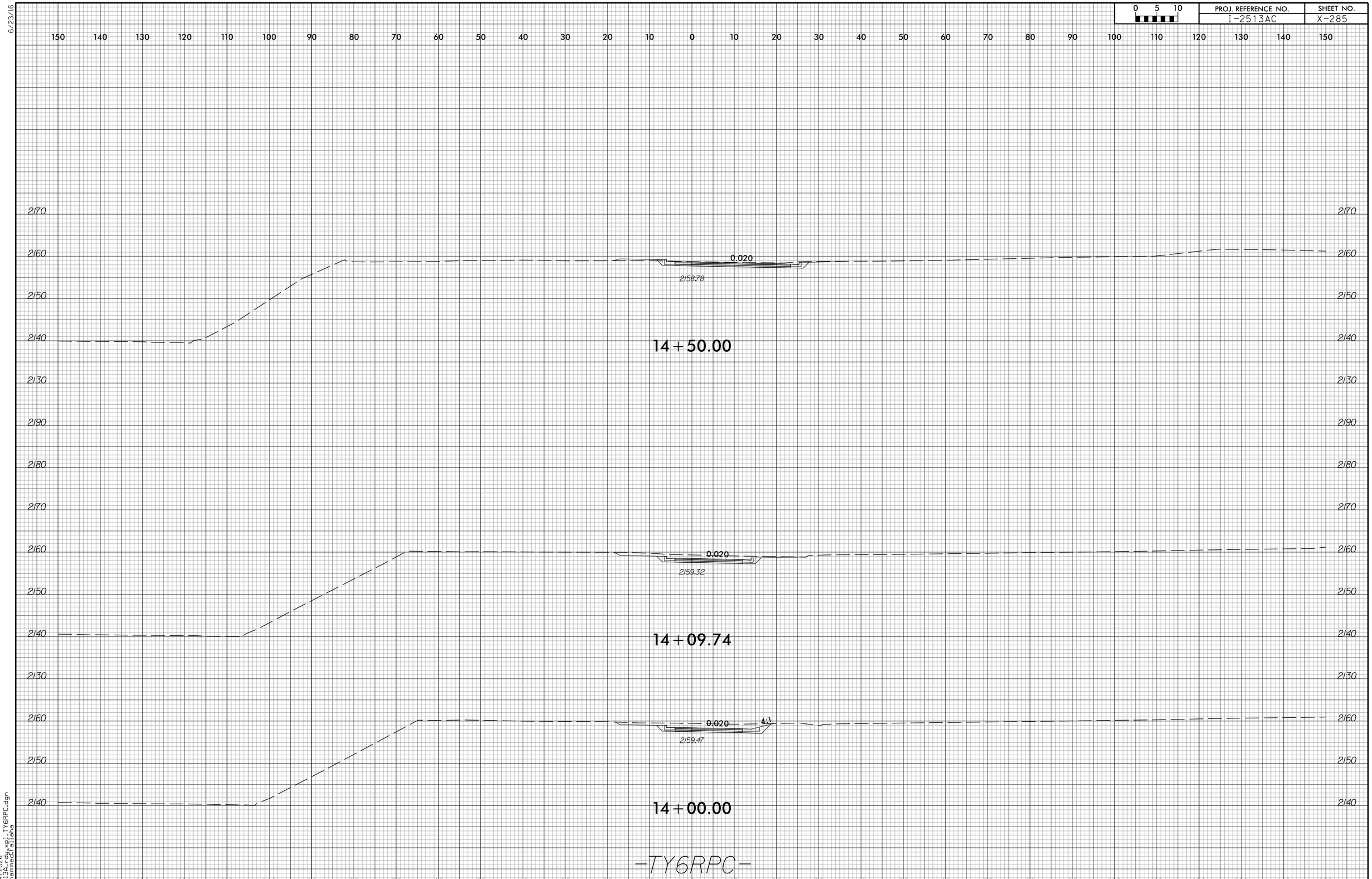
6/23/16

6/14/2026
I2513A_rdy_xpl_TY6RPC.dgn
mohammed.fallaha



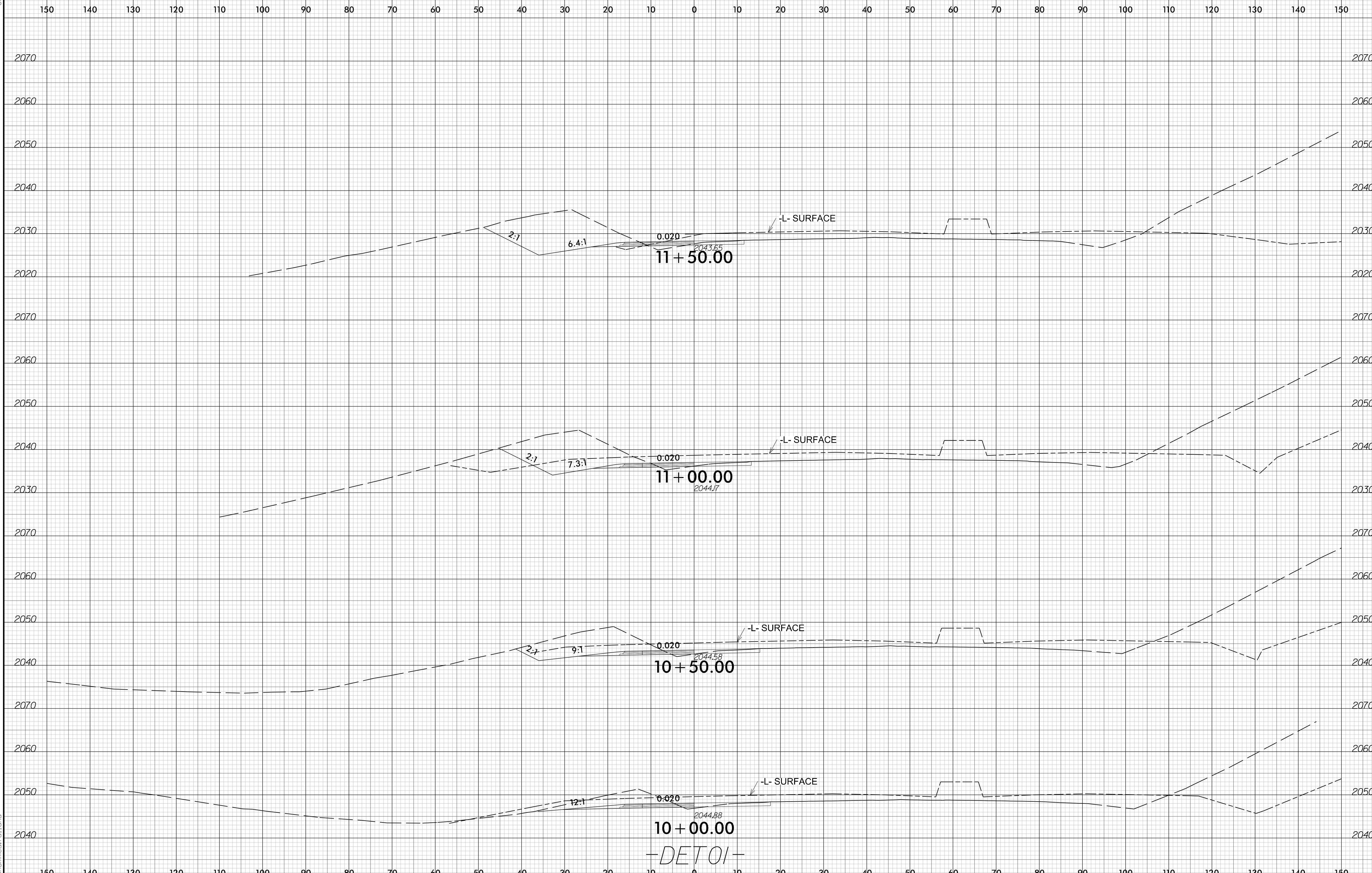
6/23/16

6/14/2026
I2513A_rdy_xpl_TY6RPC.dgn
mohammed.fallaha



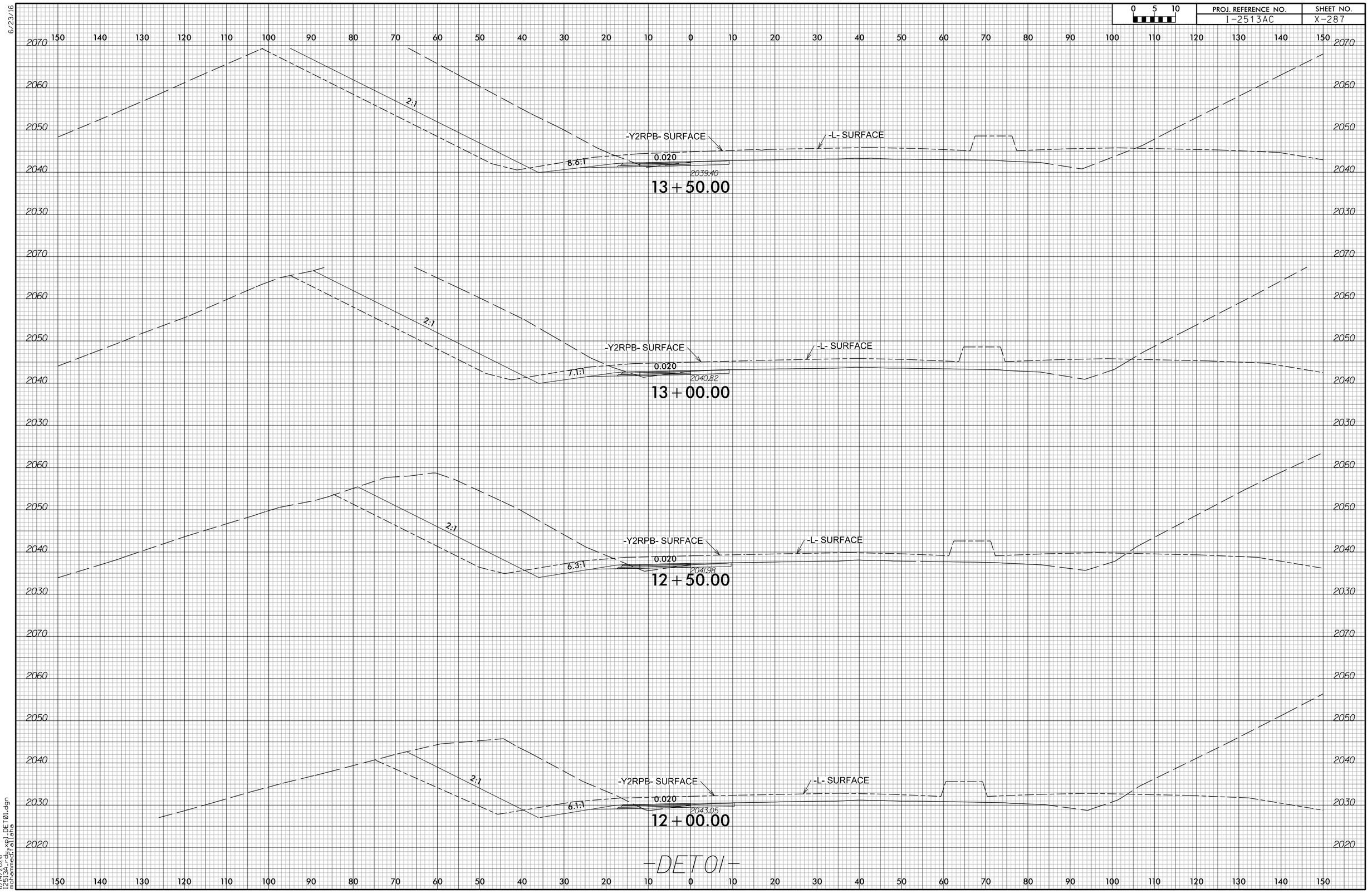
0 5 10
PROJ. REFERENCE NO.
I-2513AC
SHEET NO.
X-285
6/23/16
0.020
2158.78
14+50.00
0.020
2159.32
14+09.74
0.020
4:1
2159.47
14+00.00
-TY6RPC-
6/14/2026
I2513A_rdy_xpl_TY6RPC.dgn
mohammed.fallaha

PROJ. REFERENCE NO.	SHEET NO.
I-2513AC	X-286



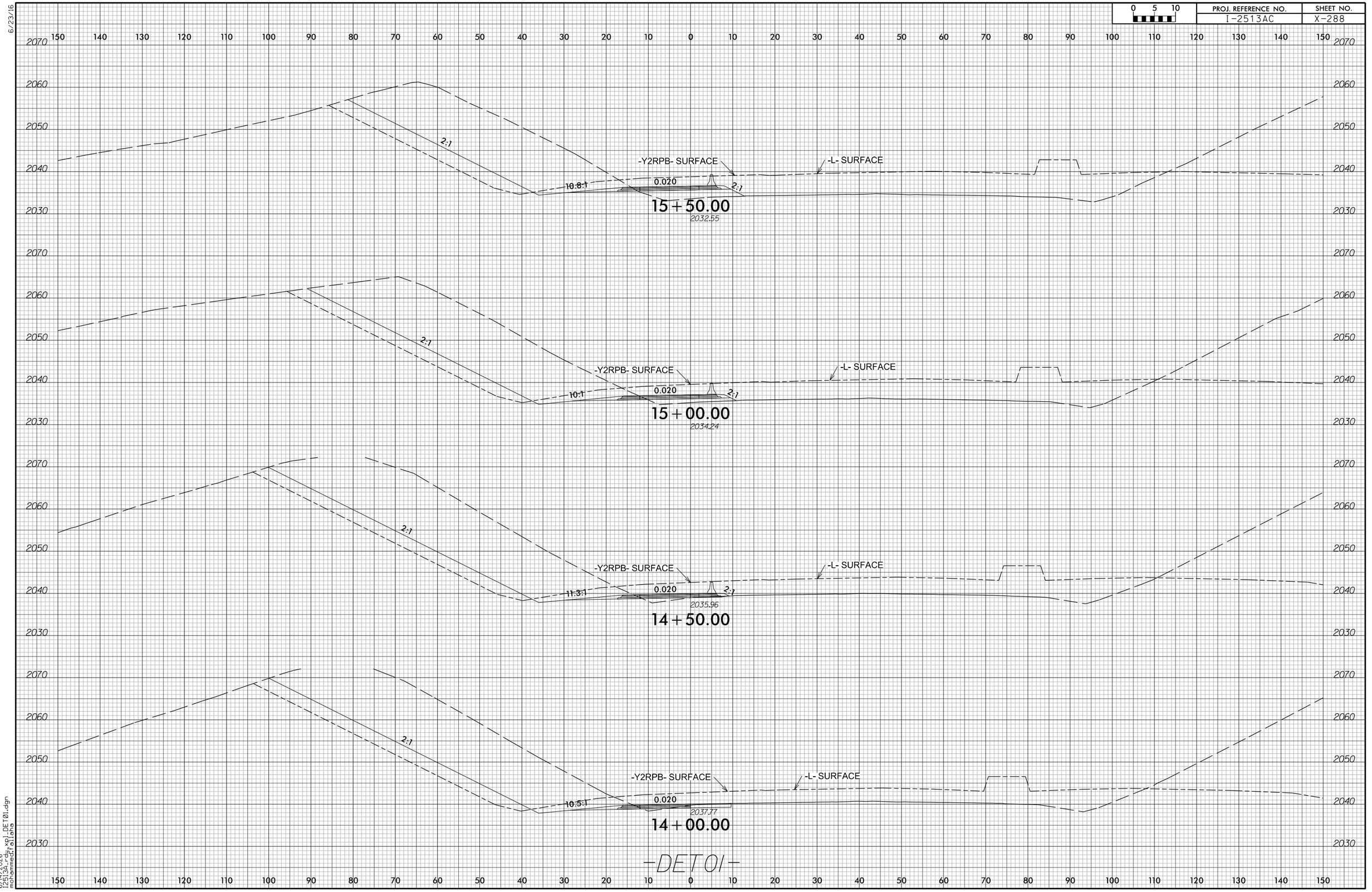
6/23/16

6/14/2026
I2513A_rdy_xpl_DET01.dgn
mohammed.fallaha



6/23/16

6/14/2026
12513A_rdy_xpl_DET01.dgn
mohammed.falaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET01.dgn
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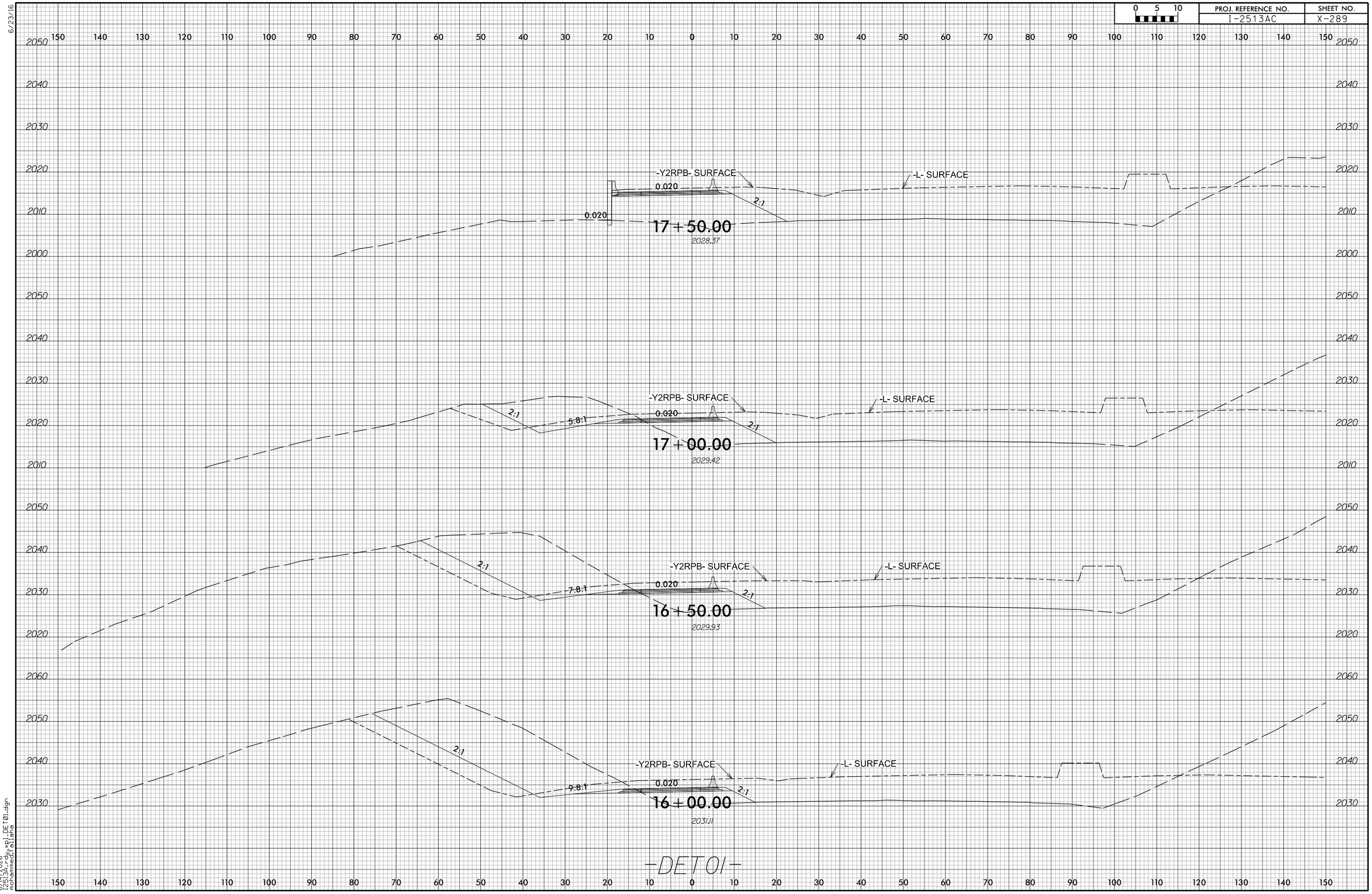

6/23/16

6/14/2026
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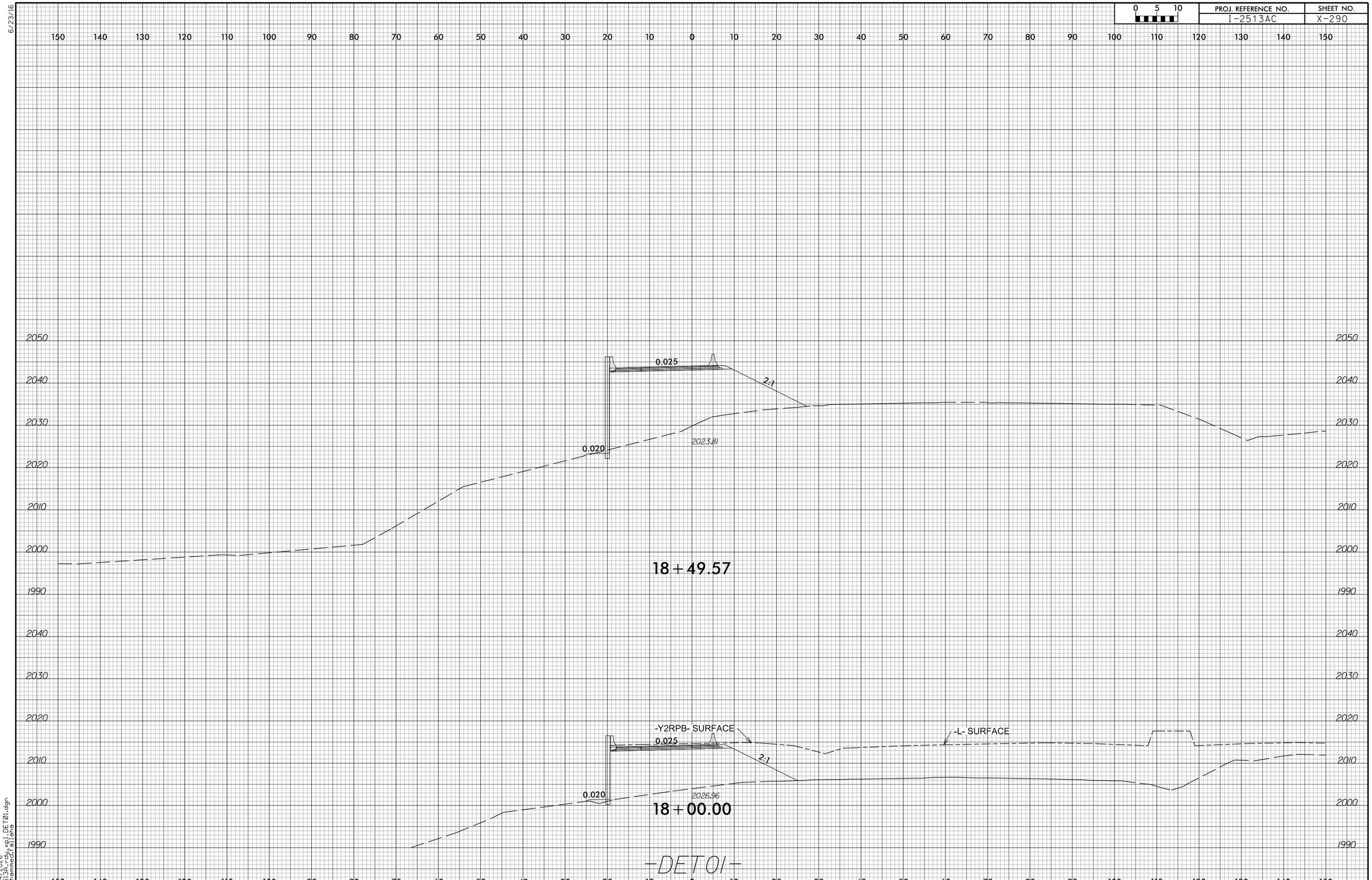
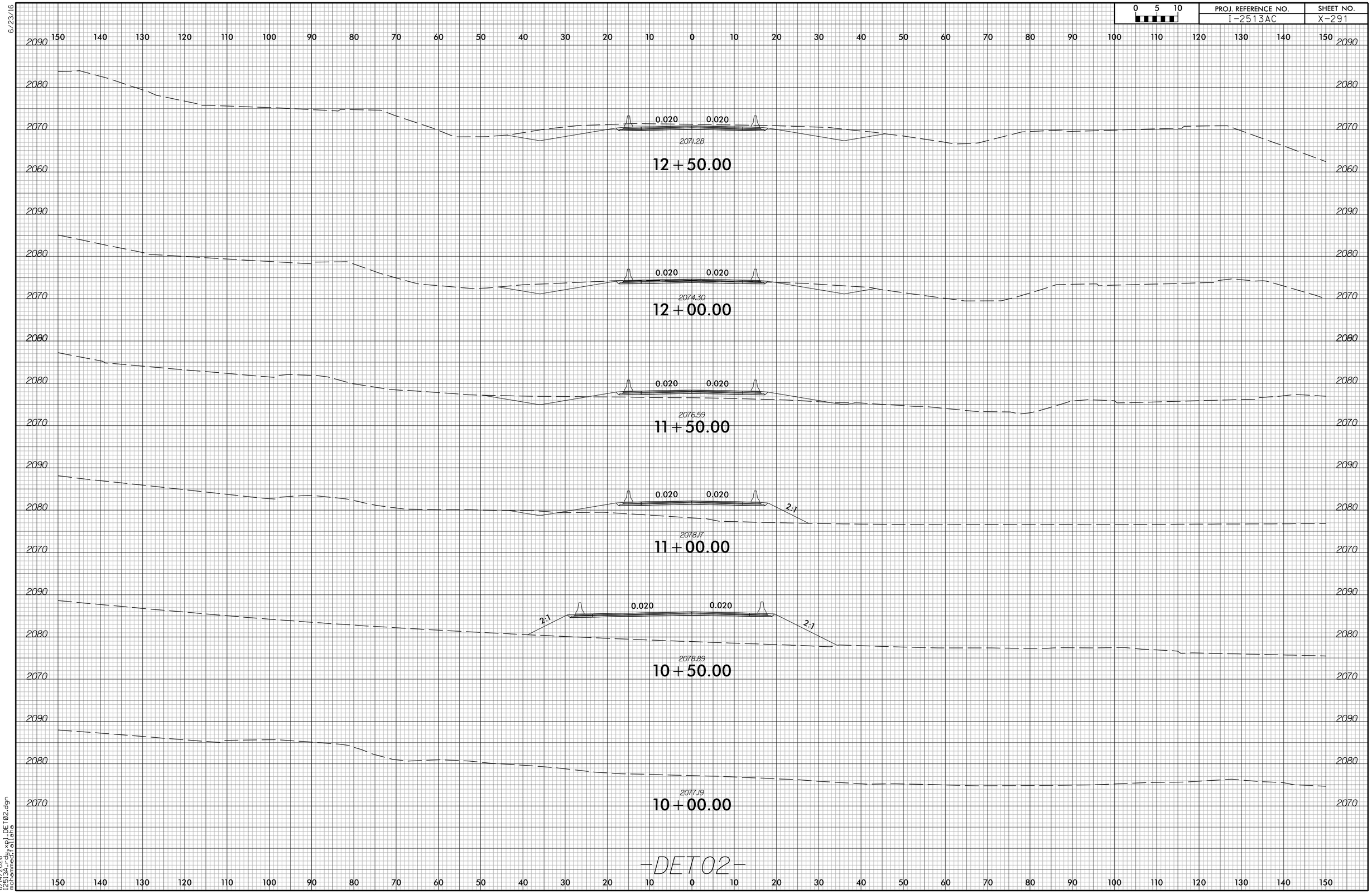
mohammed.fallaha

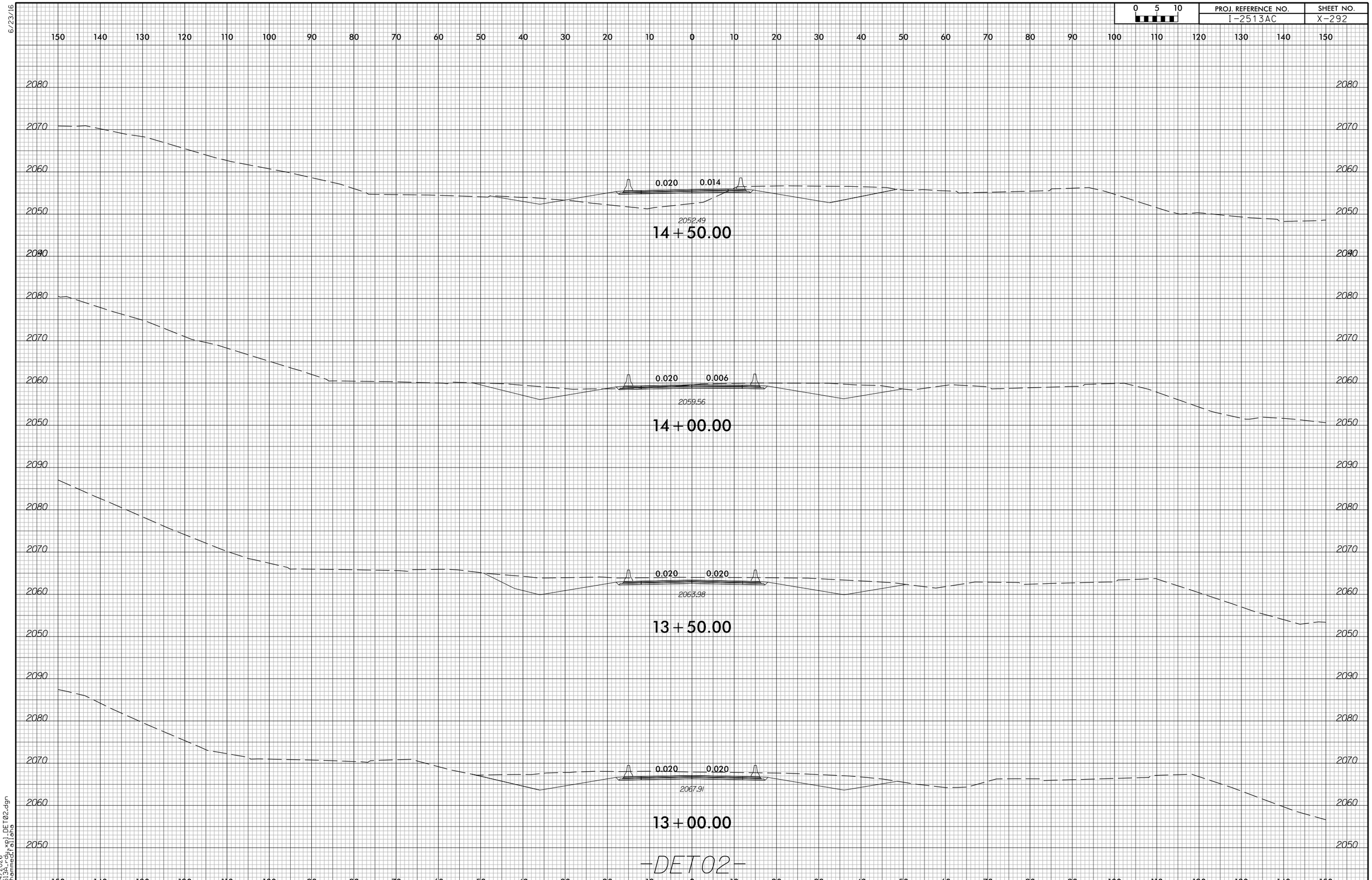


0 5 10
PROJ. REFERENCE NO.
I-2513AC
SHEET NO.
X-290
6/23/16
0.025
2:1
0.020
2023.81
18+49.57
-Y2RPB- SURFACE
-L- SURFACE
0.025
2:1
0.020
2026.96
18+00.00
-DET01-
6/14/2026
I2513A_rdy_xpl_DET01.dgn
mohammed.fallaha



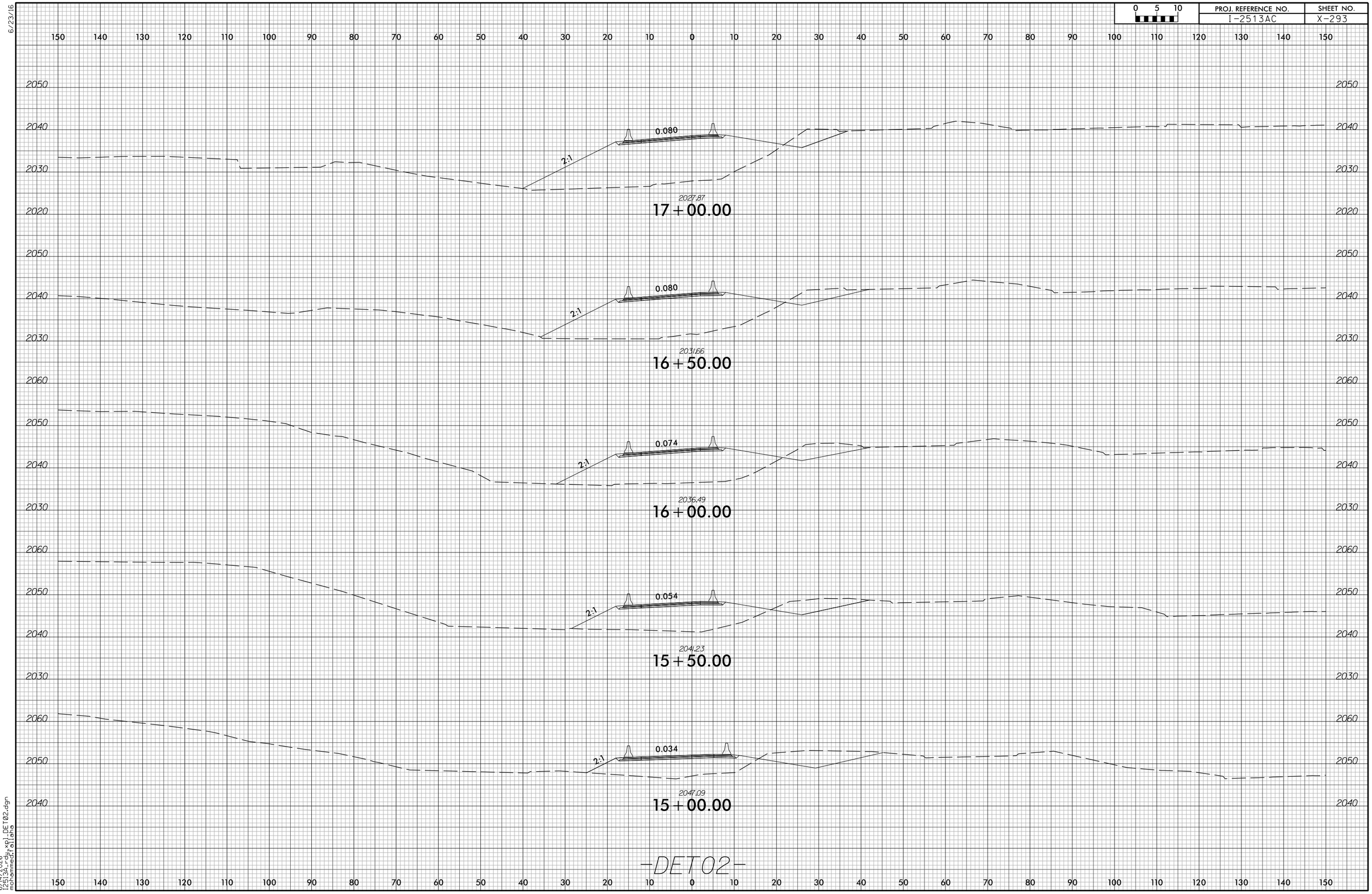
6/23/16

6/14/2026
I2513A_rdy_xpl_DET02.dgn
mohammed.fallaha



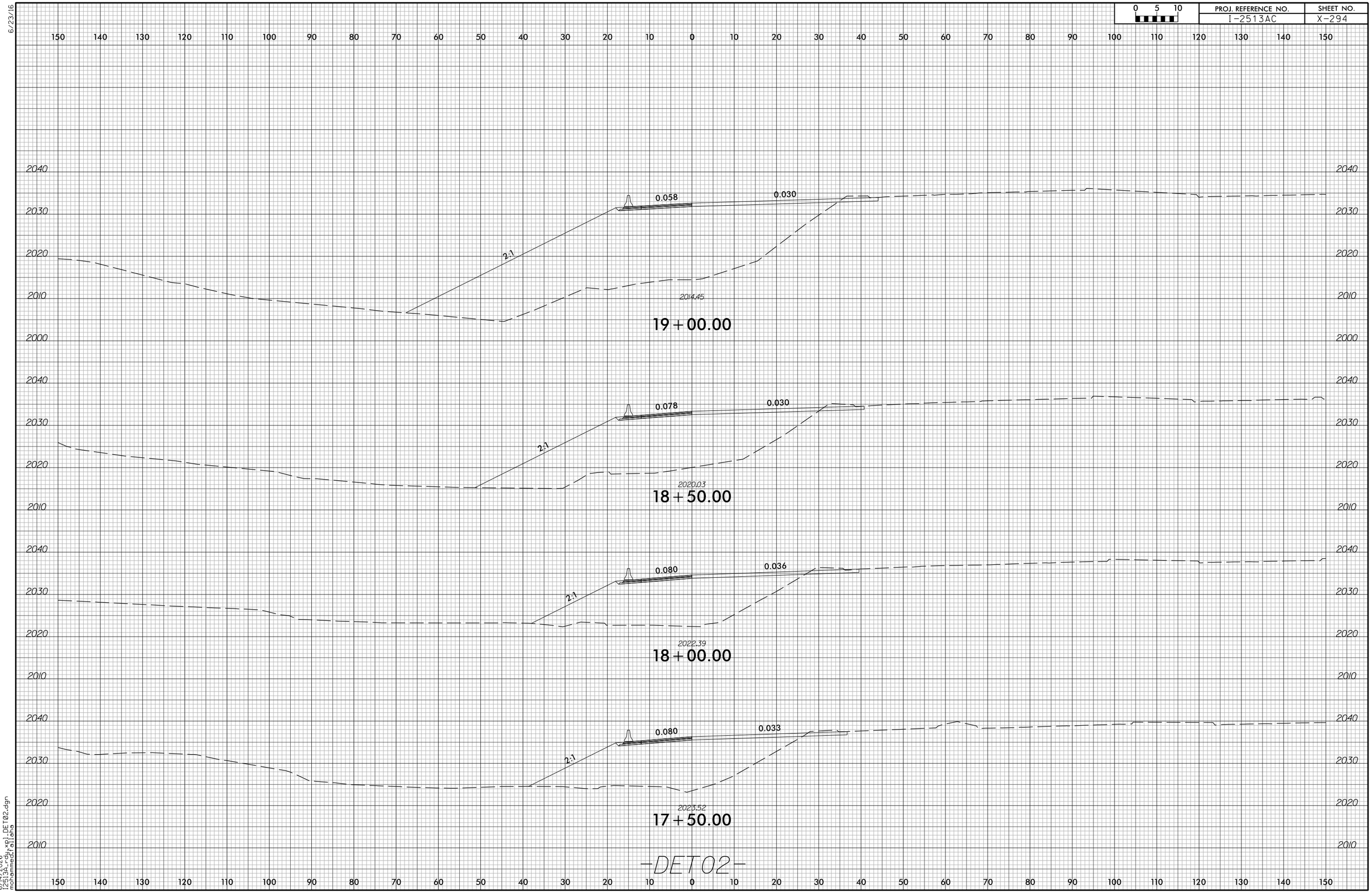
6/23/16

6/14/2026
I2513A_rdy_xpl_DET02.dgn
mohammed.fallaha



6/23/16

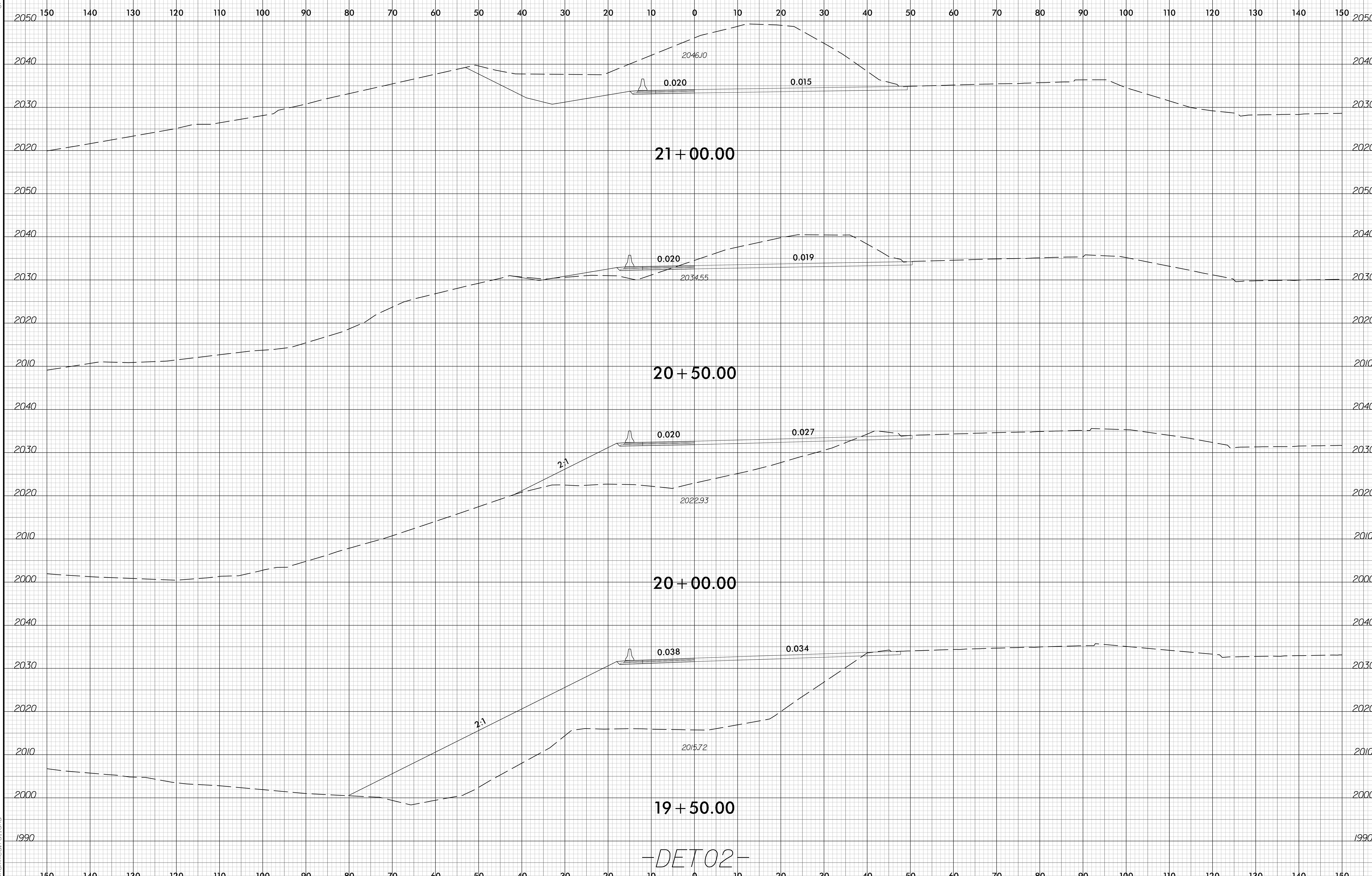
6/14/2026
I2513A_rdy_xpl_DET02.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET02.dgn
mohammed.fallaha

PROJ. REFERENCE NO.	SHEET NO.
I-2513AC	X-295



6/23/16

6/14/2026
I2513A_rdy_xpl_DET02.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-296

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2060
2050
2040
2030
2020

2058.67

0.020 0.027

22+00.00

2053.60

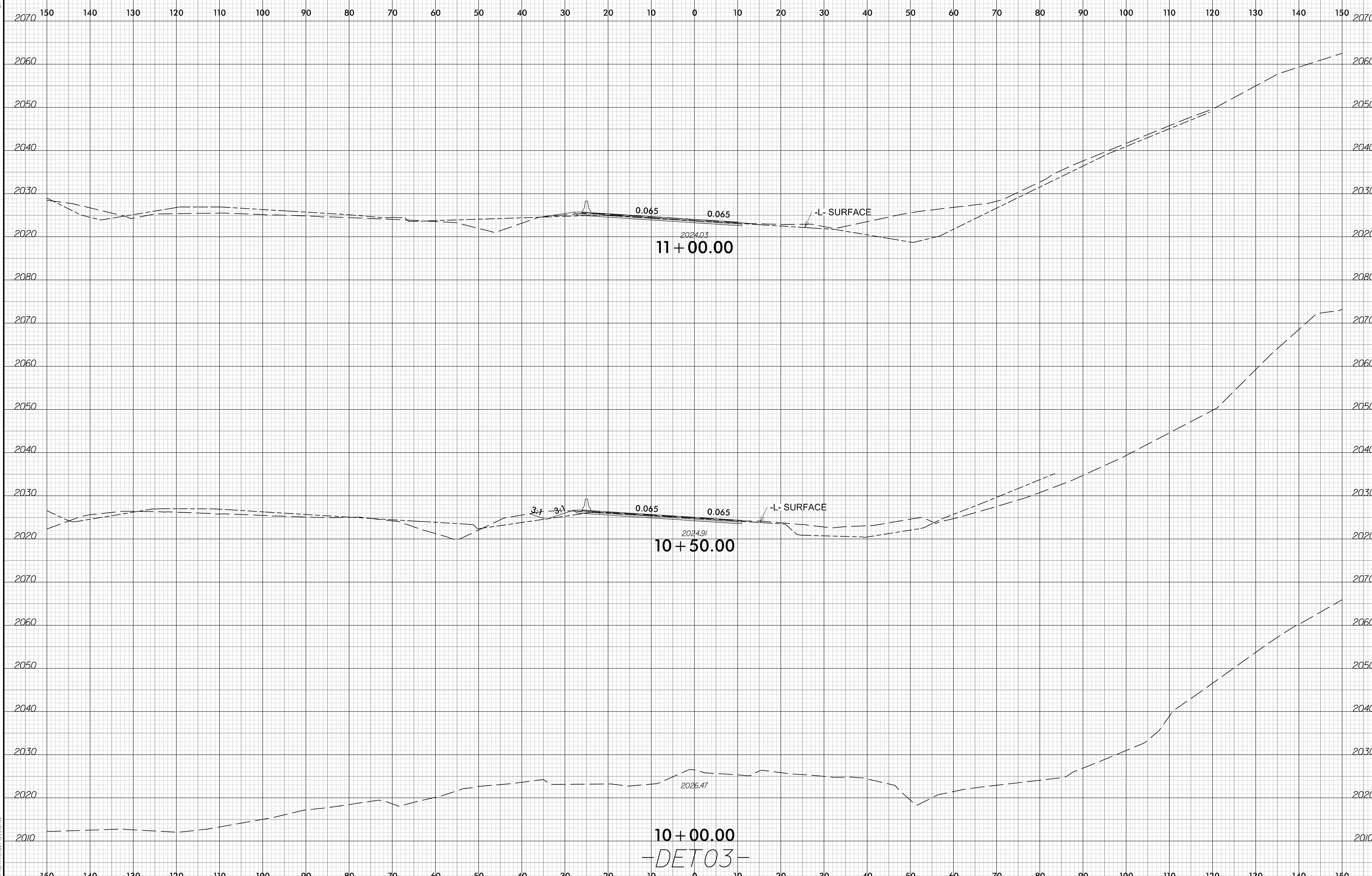
0.020 0.019

21+50.00

-DET02-

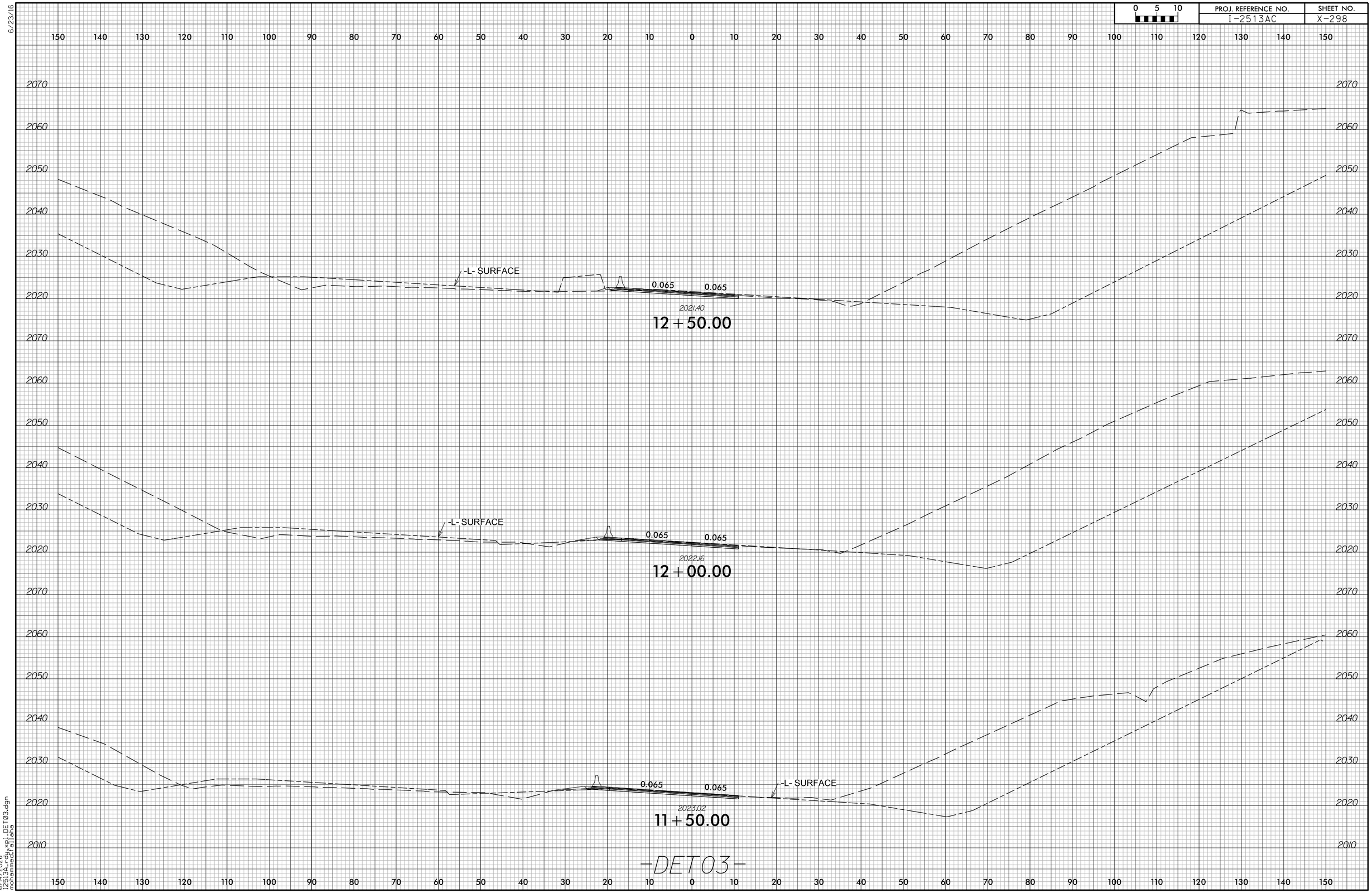
6/14/2026
I:\2513\ACAD\Roadway\xsl_DET02.dgn
mohammedf.allaha

PROJ. REFERENCE NO.	SHEET NO.
I-2513AC	X-297



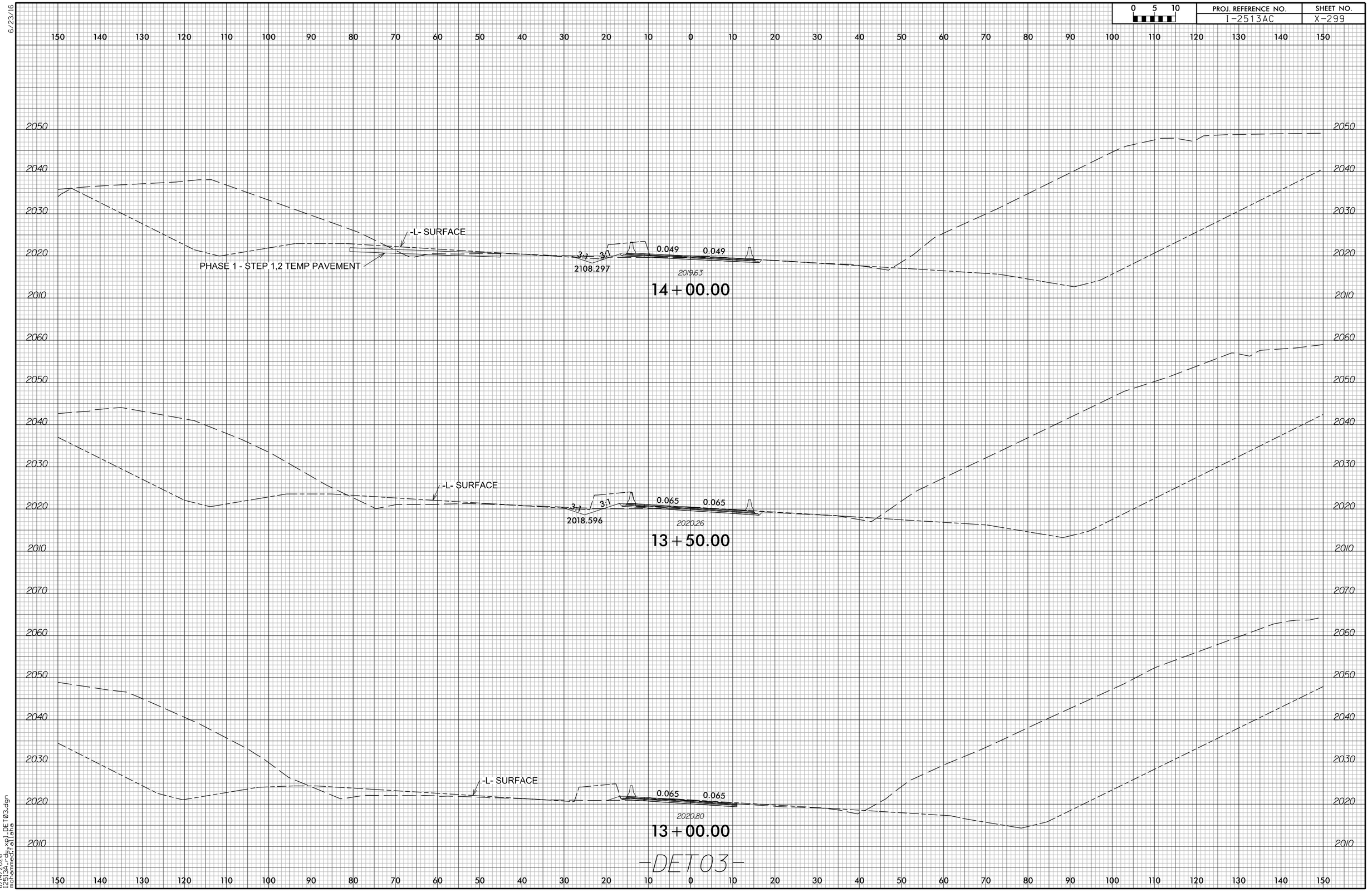
6/23/16

6/14/2026
I2513A_rdy_xpl_DET03.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET03.dgn
mohammed.fallaha

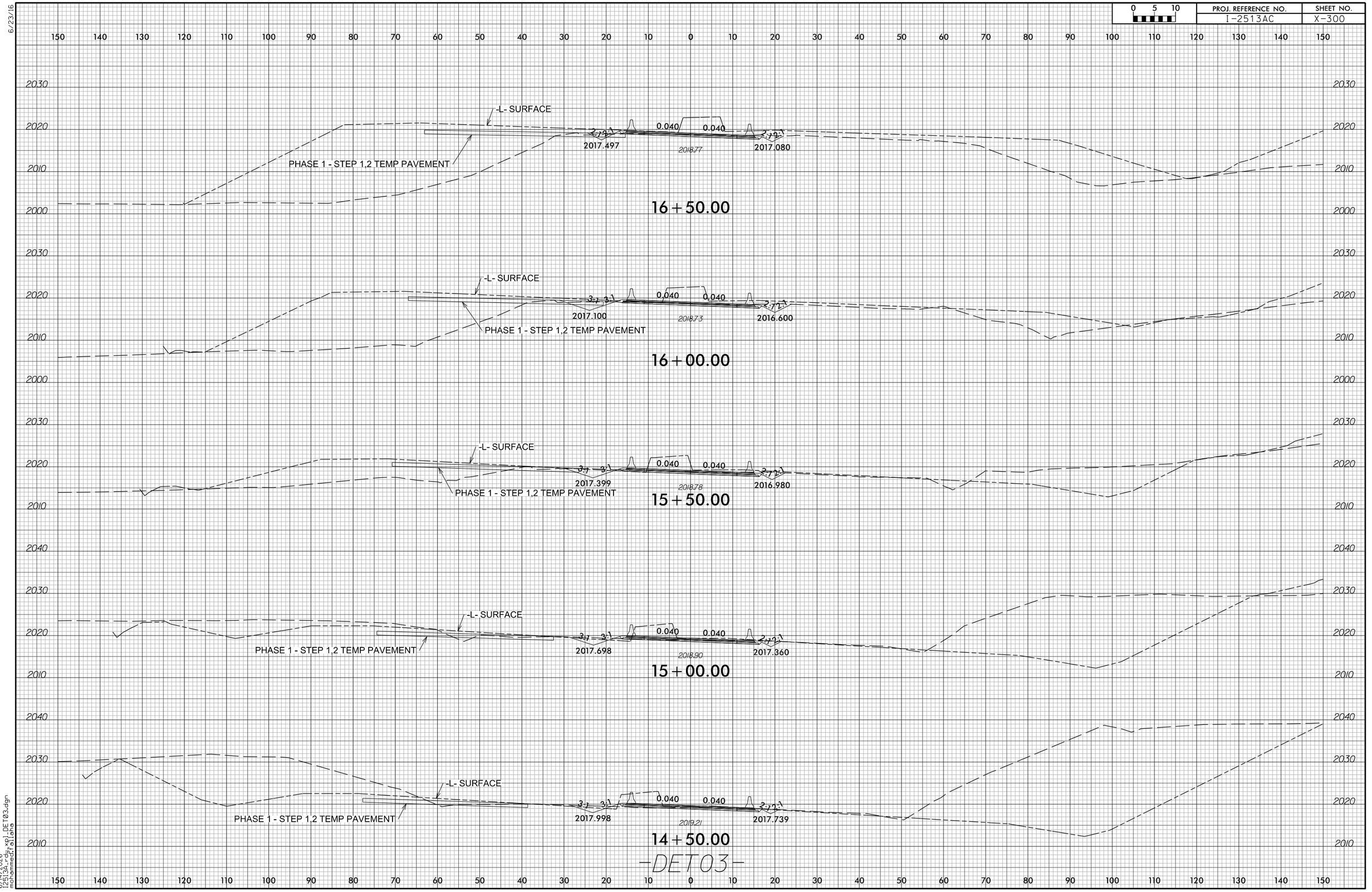


6/23/16

6/14/2026
I2513A_rdy_xpl_DET03.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-300



6/14/2026
P:\513AC\...\xsl_DET03.dgn
mohammed.rafiahs

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-301

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2030 2020 2010 2000

-L- SURFACE

0.036 0.036 2:1 2:1

2019.99

2019.000

PHASE 1 - STEP 1,2 TEMP PAVEMENT

18+50.00

2030 2020 2010 2000

-L- SURFACE

0.040 0.040 2:1 2:1

2019.60

2018.520

PHASE 1 - STEP 1,2 TEMP PAVEMENT

18+00.00

2030 2020 2010 2000

-L- SURFACE

2:1 0.040 0.040 2:1

2018.289 2019.31 2018.040

PHASE 1 - STEP 1,2 TEMP PAVEMENT

17+50.00

2030 2020 2010 2000

-L- SURFACE

2:1 0.040 0.040 2:1

2017.893 2018.99 2017.560

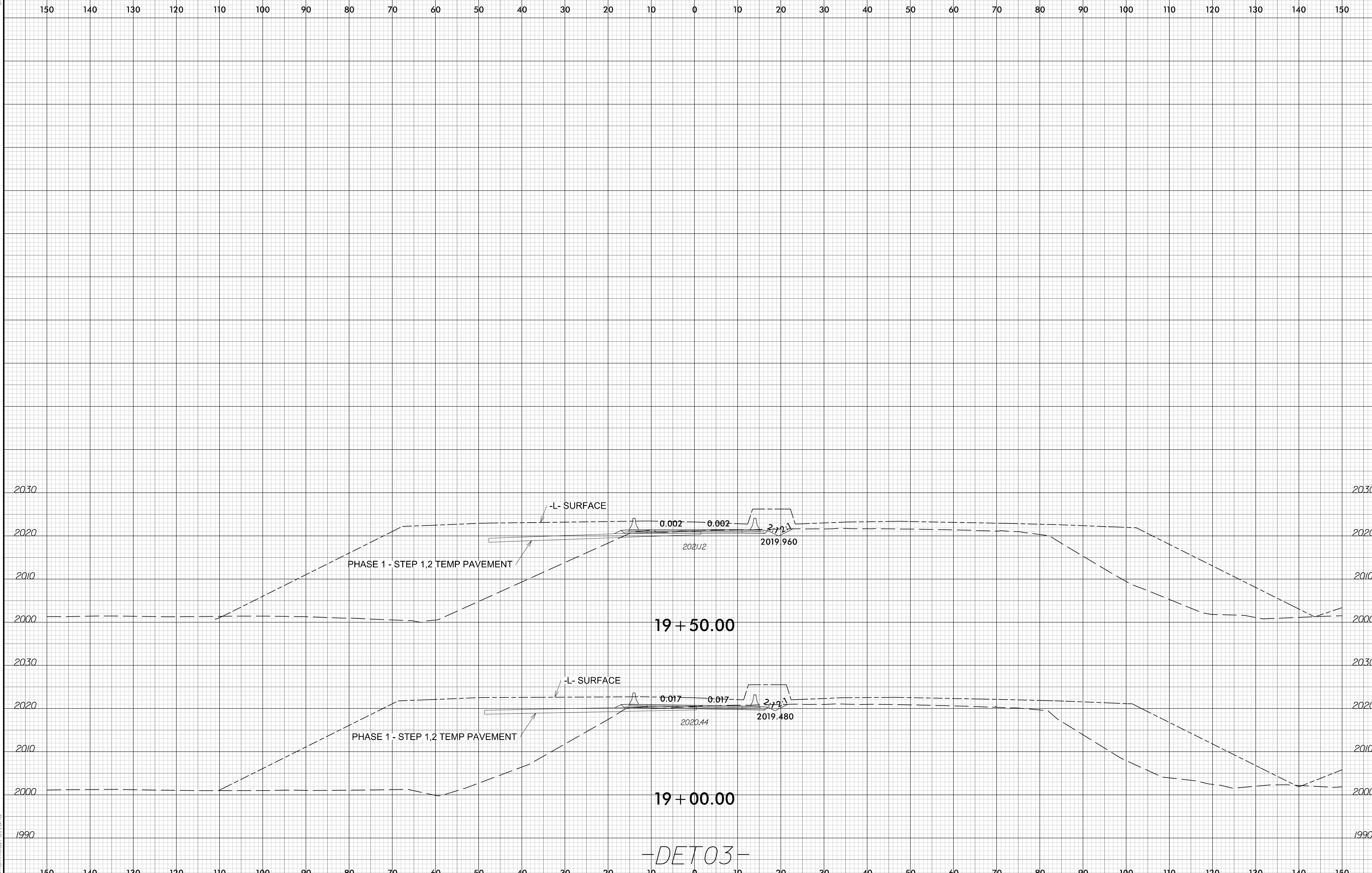
PHASE 1 - STEP 1,2 TEMP PAVEMENT

17+00.00

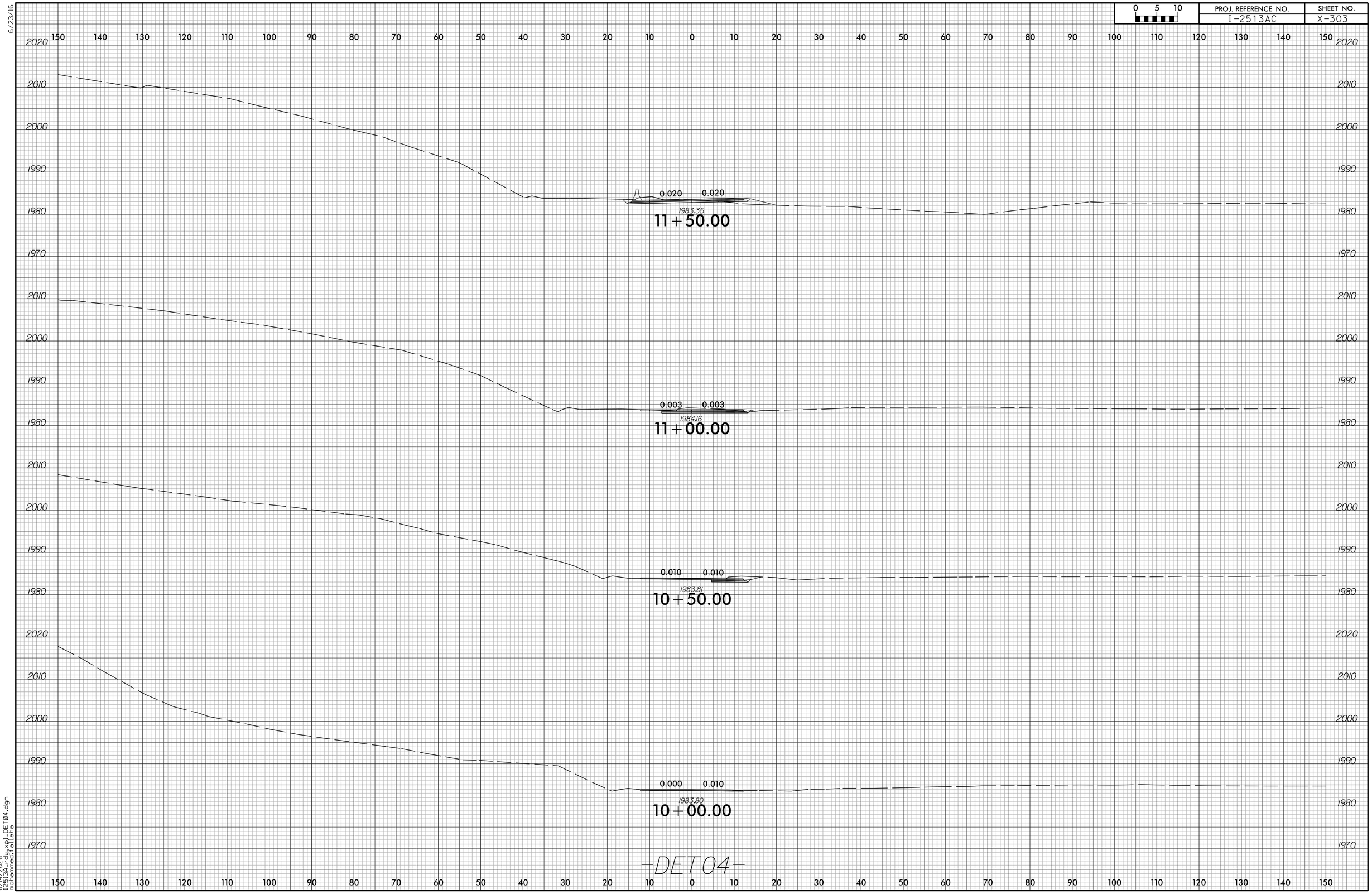
-DET03-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6/14/2026
I:\2513\AC\design\xpl_DET03.dgn
mohammedf.allaha


-L- SURFACE
0.002
0.002
2:1
2019.960
2021.12
PHASE 1 - STEP 1,2 TEMP PAVEMENT
19+50.00
-L- SURFACE
0.017
0.017
2:1
2019.480
2020.44
PHASE 1 - STEP 1,2 TEMP PAVEMENT
19+00.00

-DET03-



6/23/16

6/14/2026
I2513A_rdy_xpl_DET04.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-304

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2020 2010 2000 1990 1980 1970

0.020 0.020

1982.44

13+00.00

2020 2010 2000 1990 1980 1970

0.020 0.010

1982.72

12+50.00

2020 2010 2000 1990 1980 1970

0.020 0.014

1982.36

12+00.00

-DET04-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6/14/2026
P:\513ac_dgn\513ac_xsl_DET04.dgn
mohammed.rafiahs

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-305

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2010
2000
1990
1980

0.020 0.020

1982.52

15+00.00

2010
2000
1990
1980

0.020 0.020

1982.11

14+50.00

1970
2010
2000
1990
1980

0.020 0.020

1982.60

14+00.00

2020
2010
2000
1990
1980

0.020 0.020

1982.38

13+50.00

1970

-DET04-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6/14/2026
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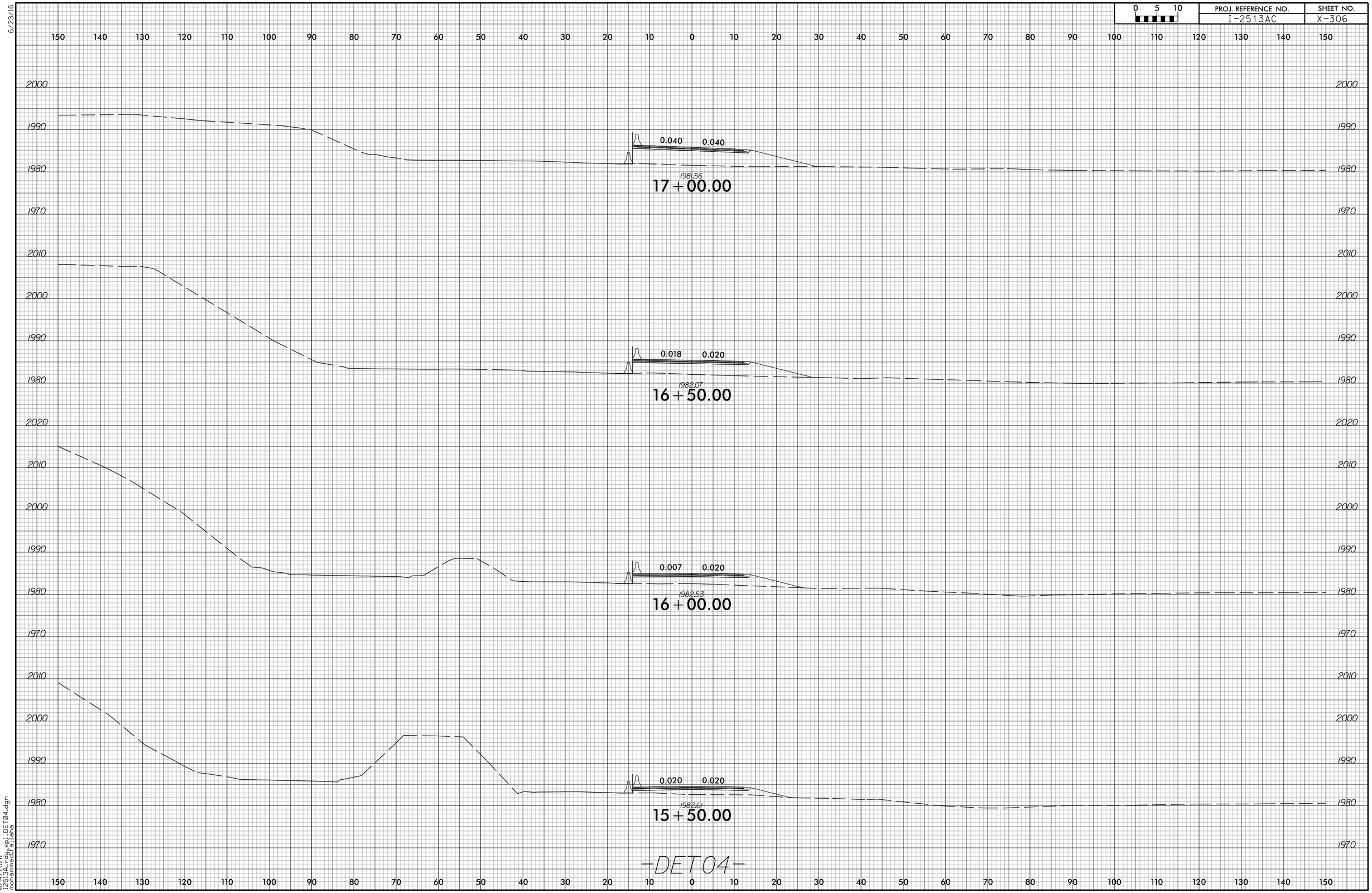
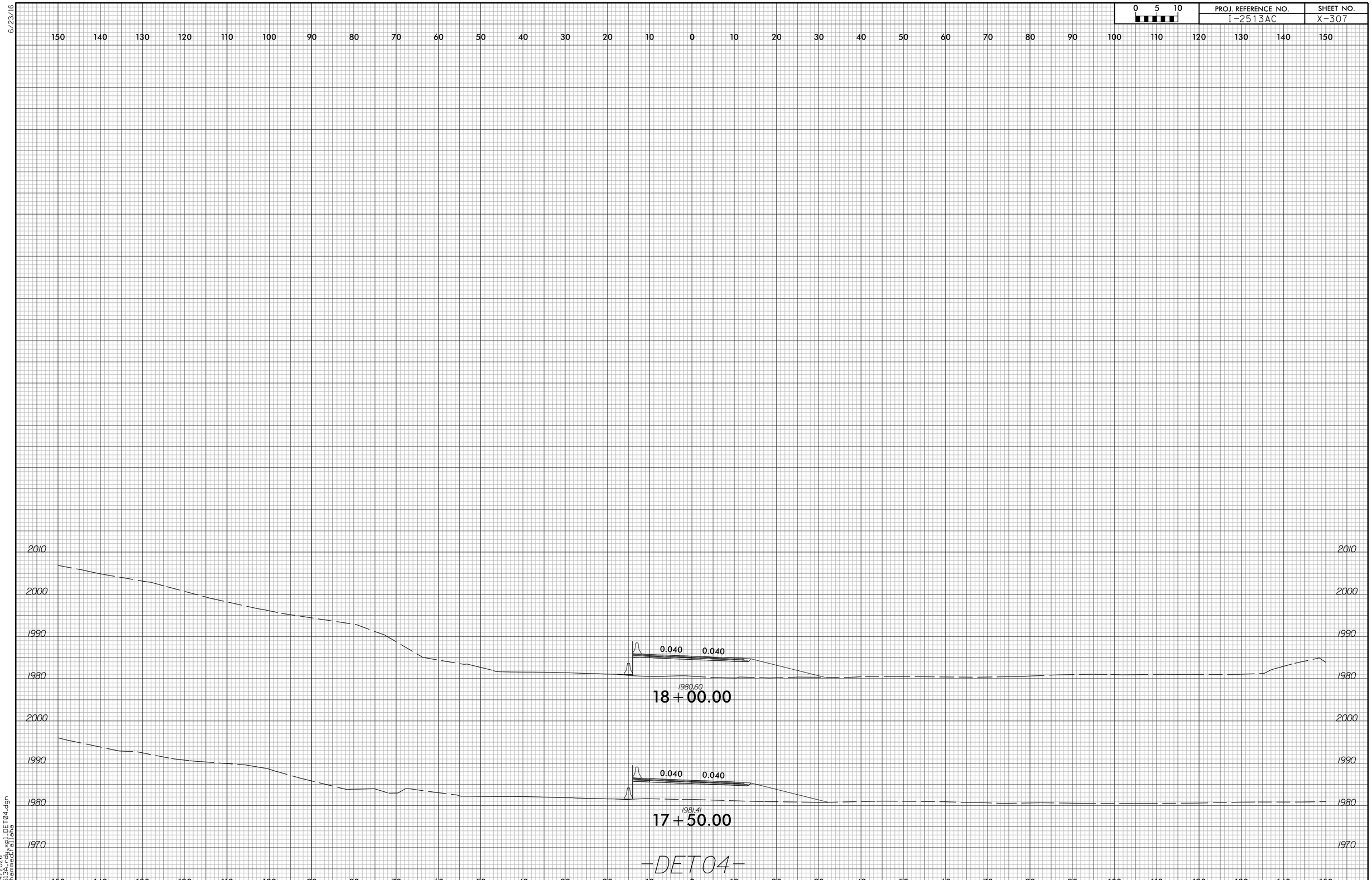
mohammed.dhaiaha



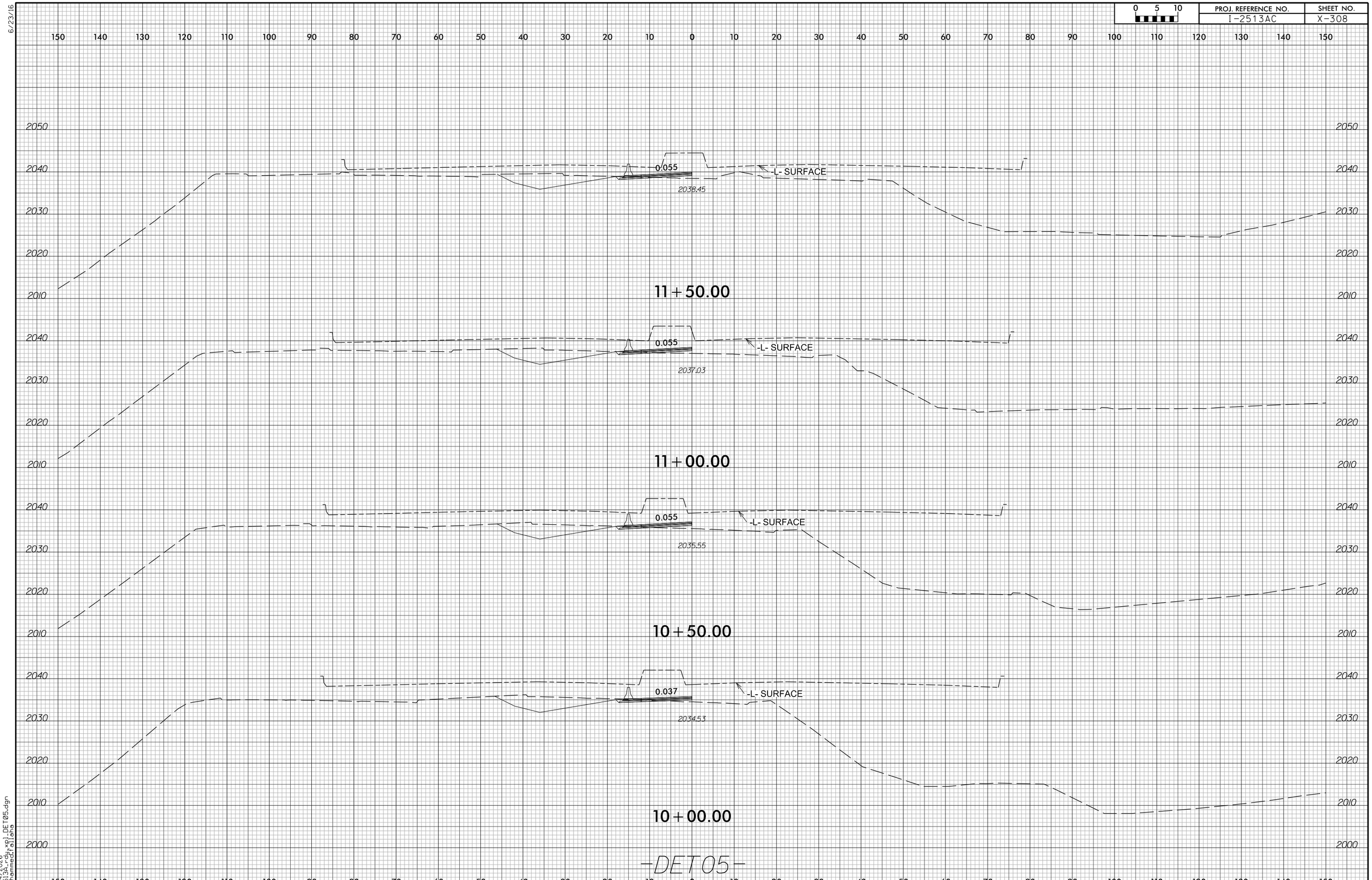
6/23/16

6/14/2026
I2513A_rdy_xpl_DET04.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET04.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET05.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-309

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2050
2040
2030
2020
2010

-L- SURFACE

0.042

2043.40

13+00.00

-L- SURFACE

0.055

2041.73

12+50.00

-L- SURFACE

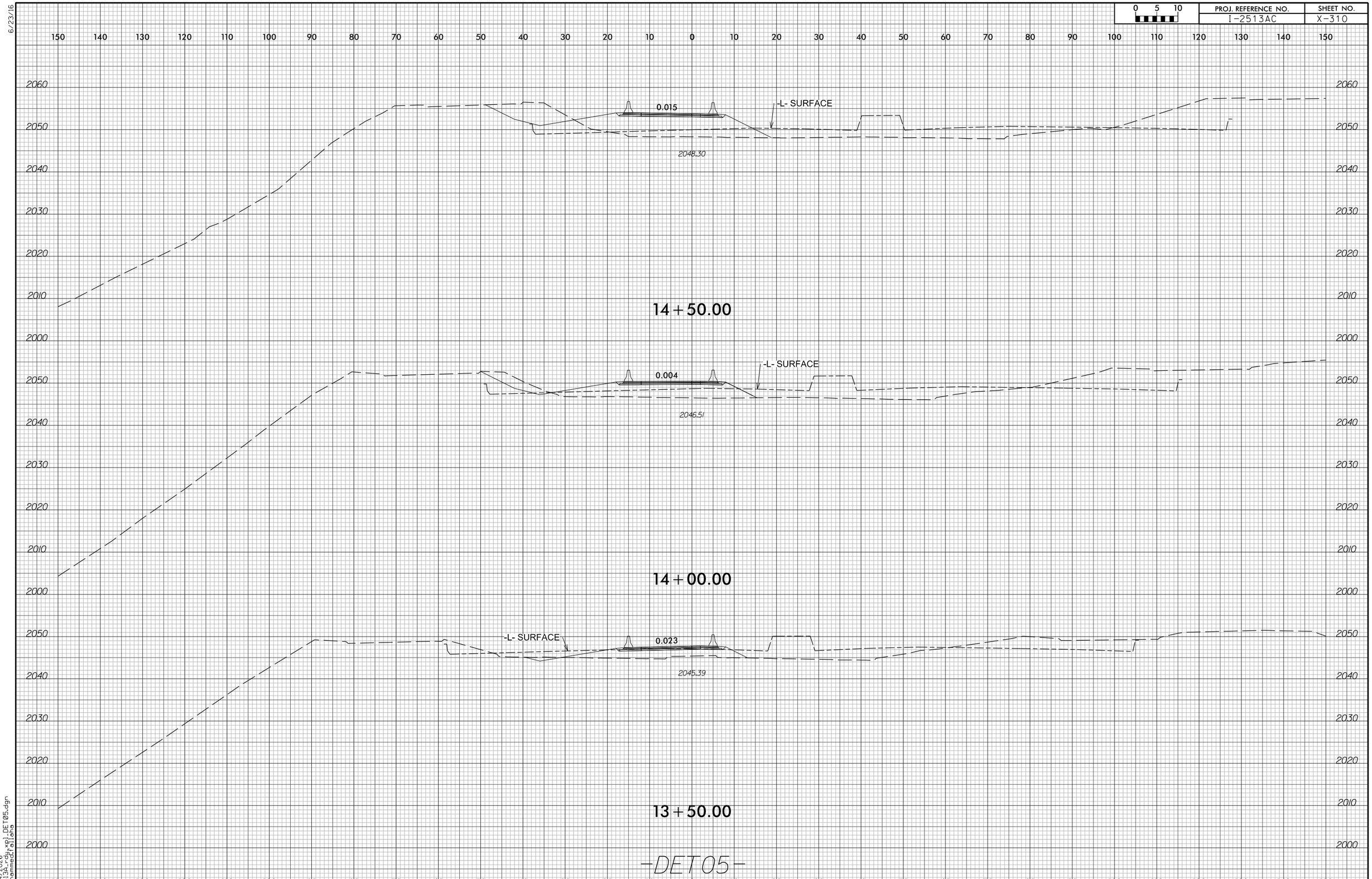
0.055

2039.99

12+00.00

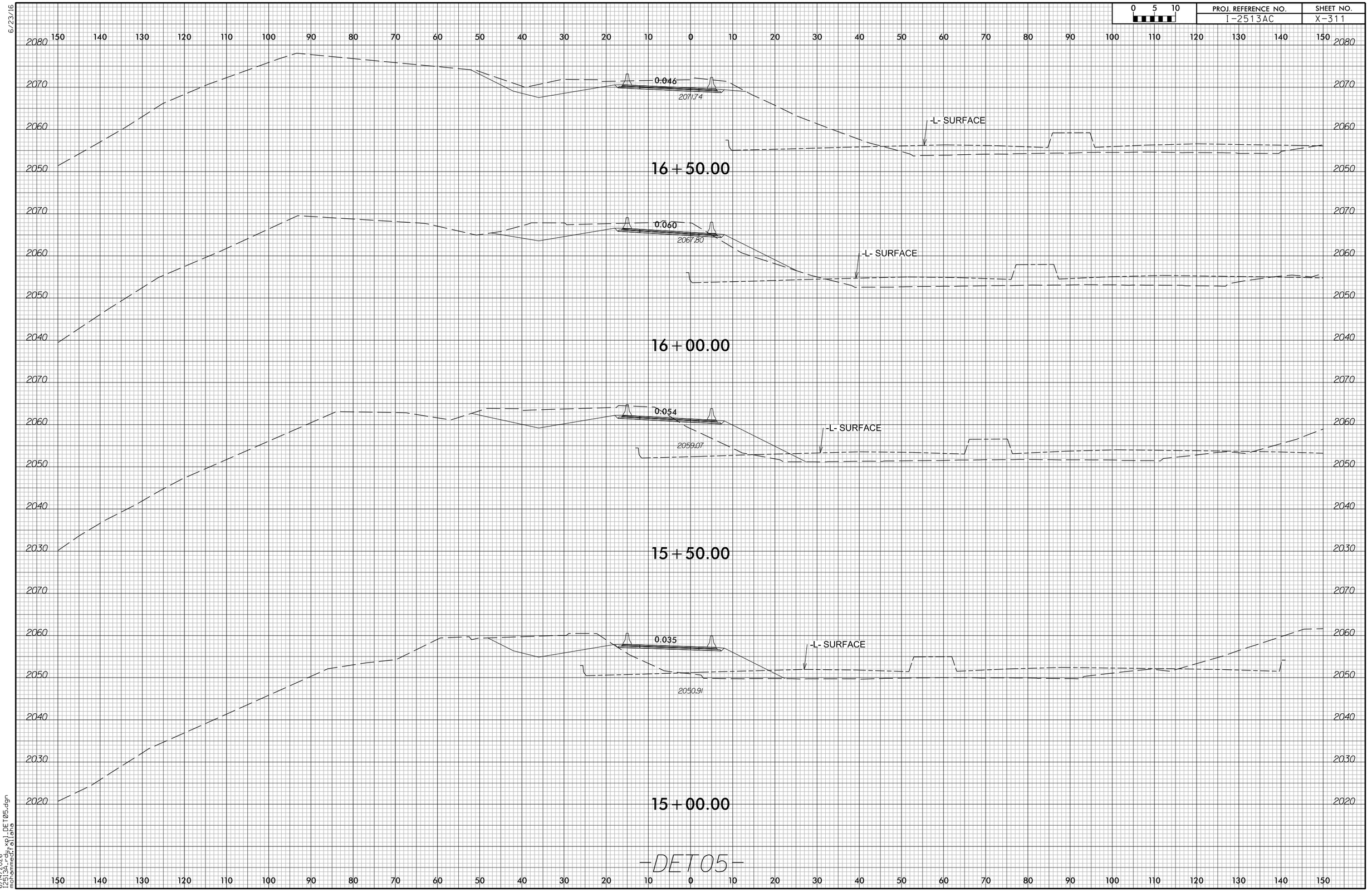
-DET05-

6/14/2026
P:\2513AC\roadway\xsl_DET05.dgn
mohammedraiiana



6/23/16

6/14/2026
I2513A_rdy_xpl_DET05.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET05.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-312

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2110
2100
2090
2080
2070
2060
2050

0.008
2077.05

-L- SURFACE

17+50.00

2090
2080
2070
2060
2050

0.027
2074.69

-L- SURFACE

17+00.00

-DET05-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6/14/2026
P:\2513ac\...\xsl_DET05.dgn
mohammed.alsaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-313

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2110 2100 2090 2080 2070 2060

-L- SURFACE

0.060

2103.92

11+00.00

-L- SURFACE

0.051

2104.74

10+50.00

-L- SURFACE

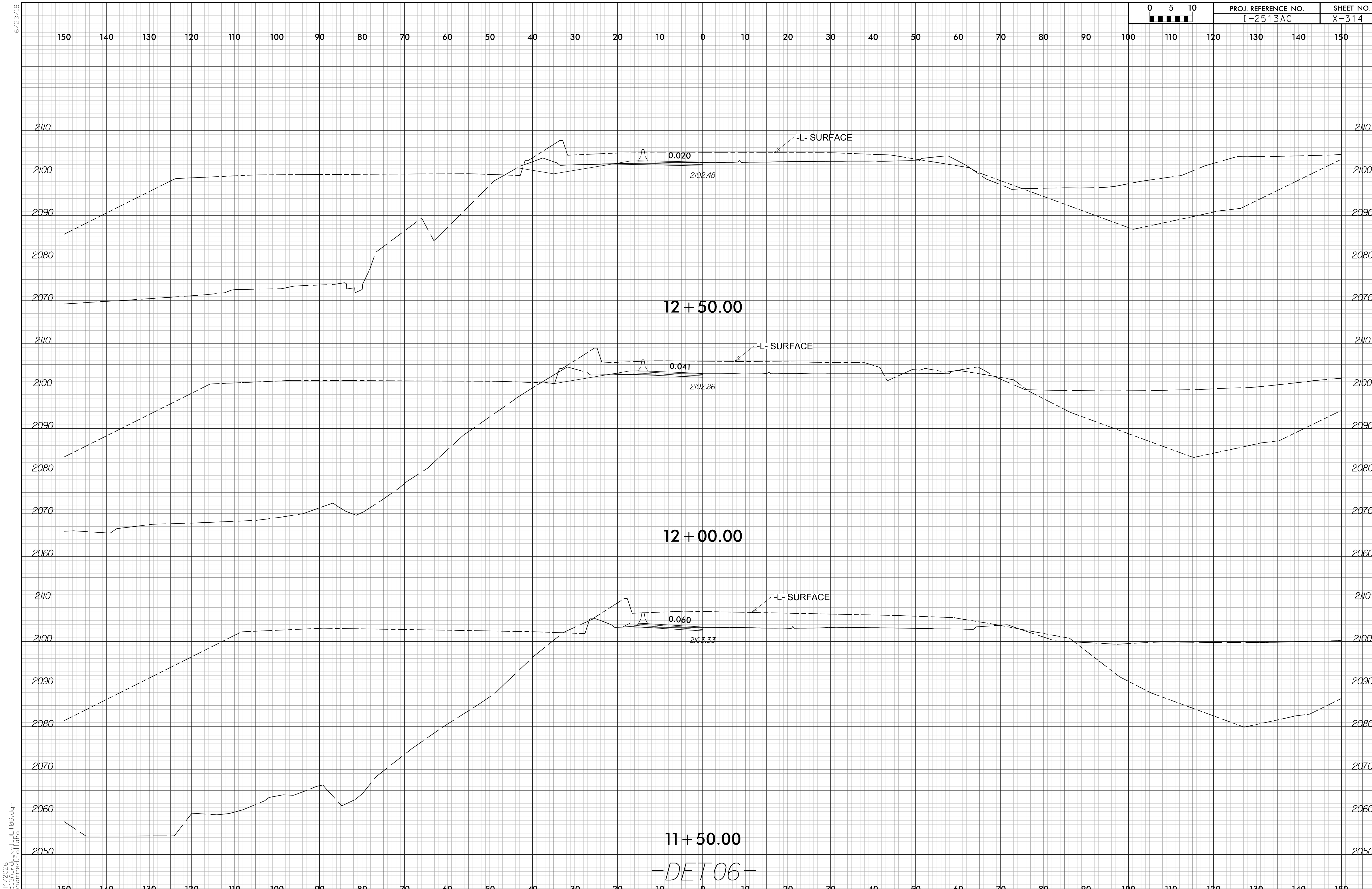
0.030

2105.59

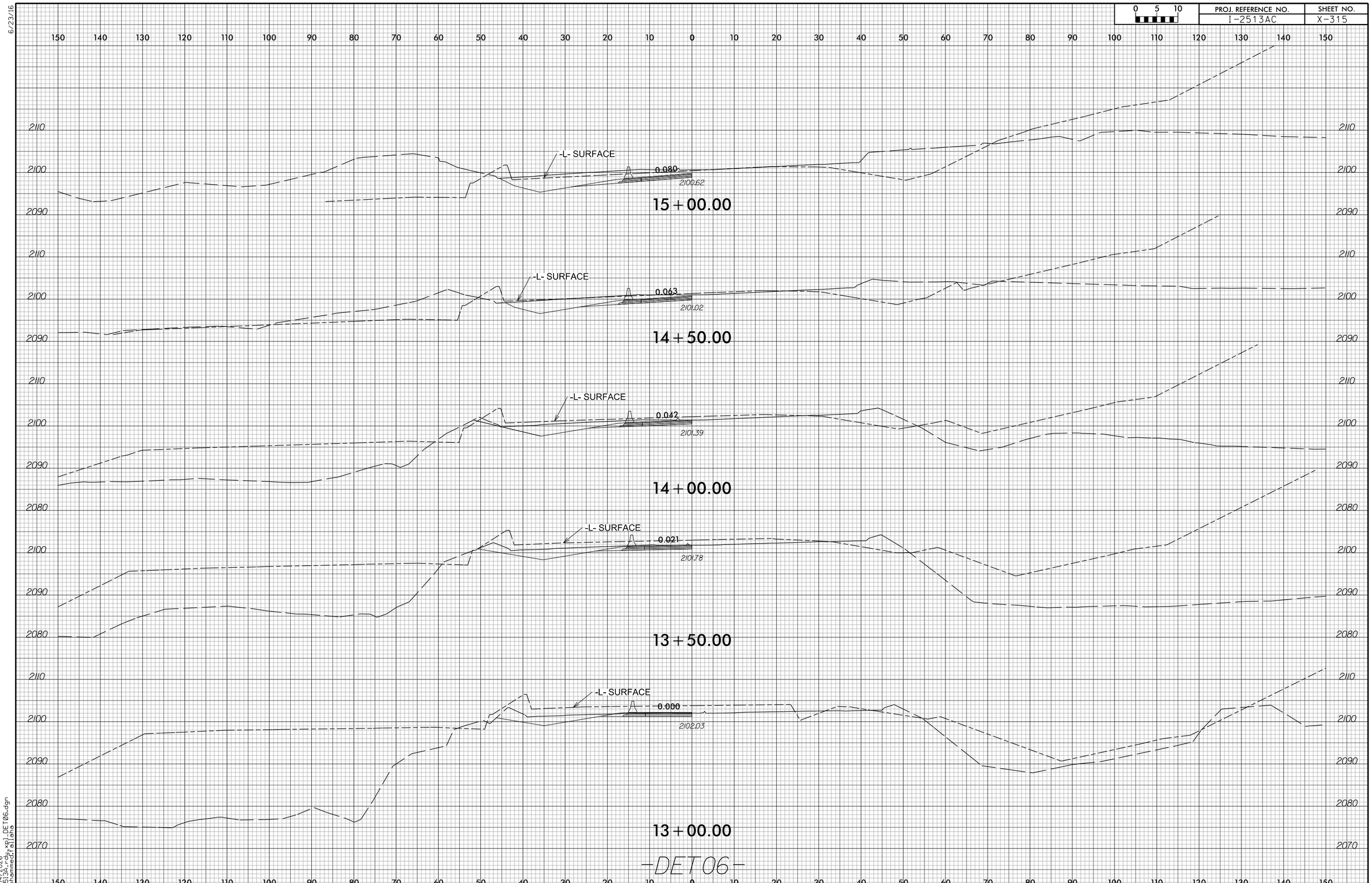
10+00.00

-DET06-

6/14/2026
P:\513ac_xsl_DET06.dgn
mohammed.alians

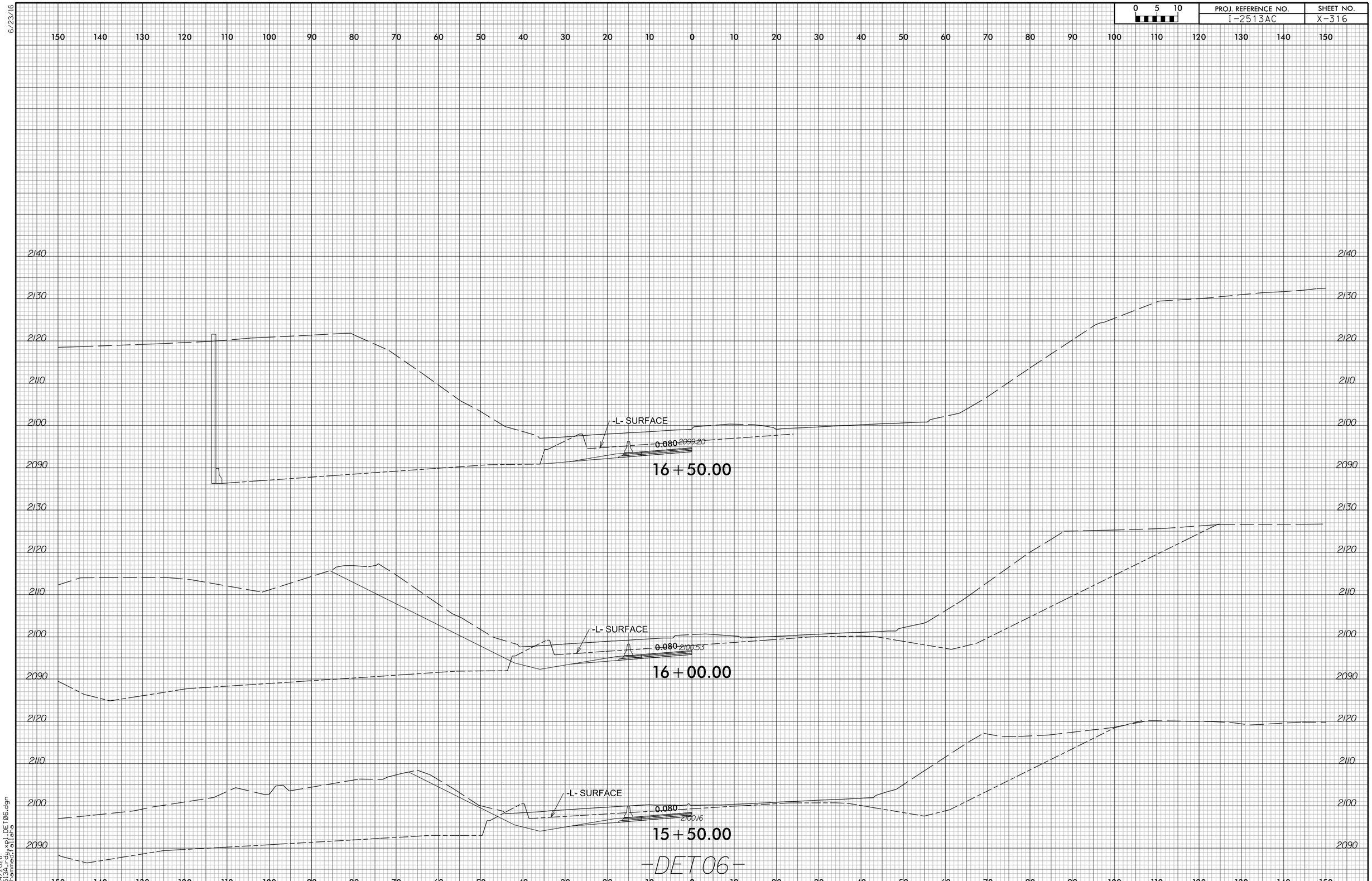


0 5 10
PROJ. REFERENCE NO.
I-2513AC
SHEET NO.
X-314
6/23/16
-L- SURFACE
0.020
2102.48
12 + 50.00
-L- SURFACE
0.041
2102.86
12 + 00.00
-L- SURFACE
0.060
2103.33
11 + 50.00
-DET06-
6/14/2026
I2513A_rdy_xpl_DET06.dgn
mohammed.f.alaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET06.dgn
mohammed.fallaha



6/23/16

6/14/2026
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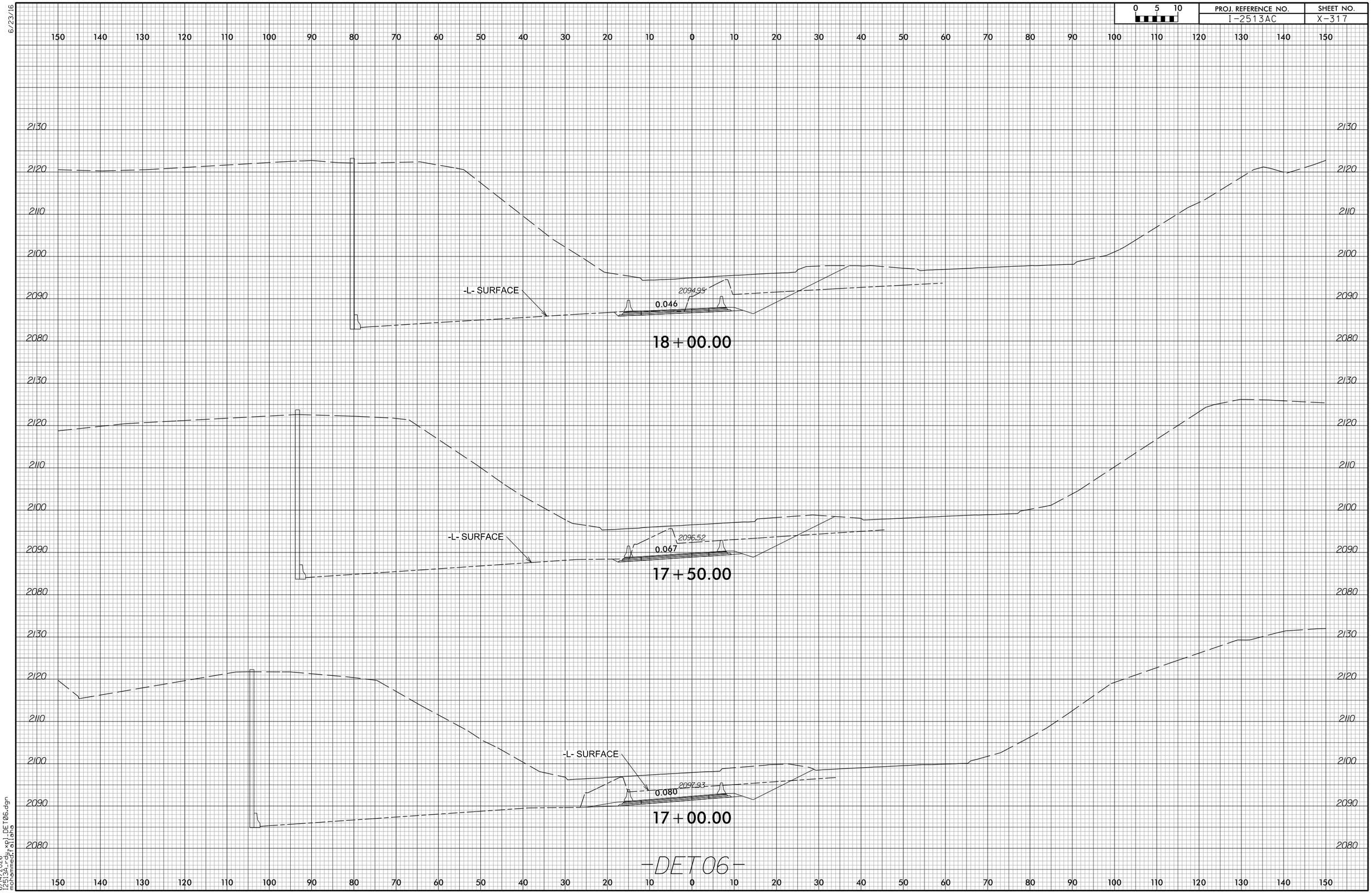
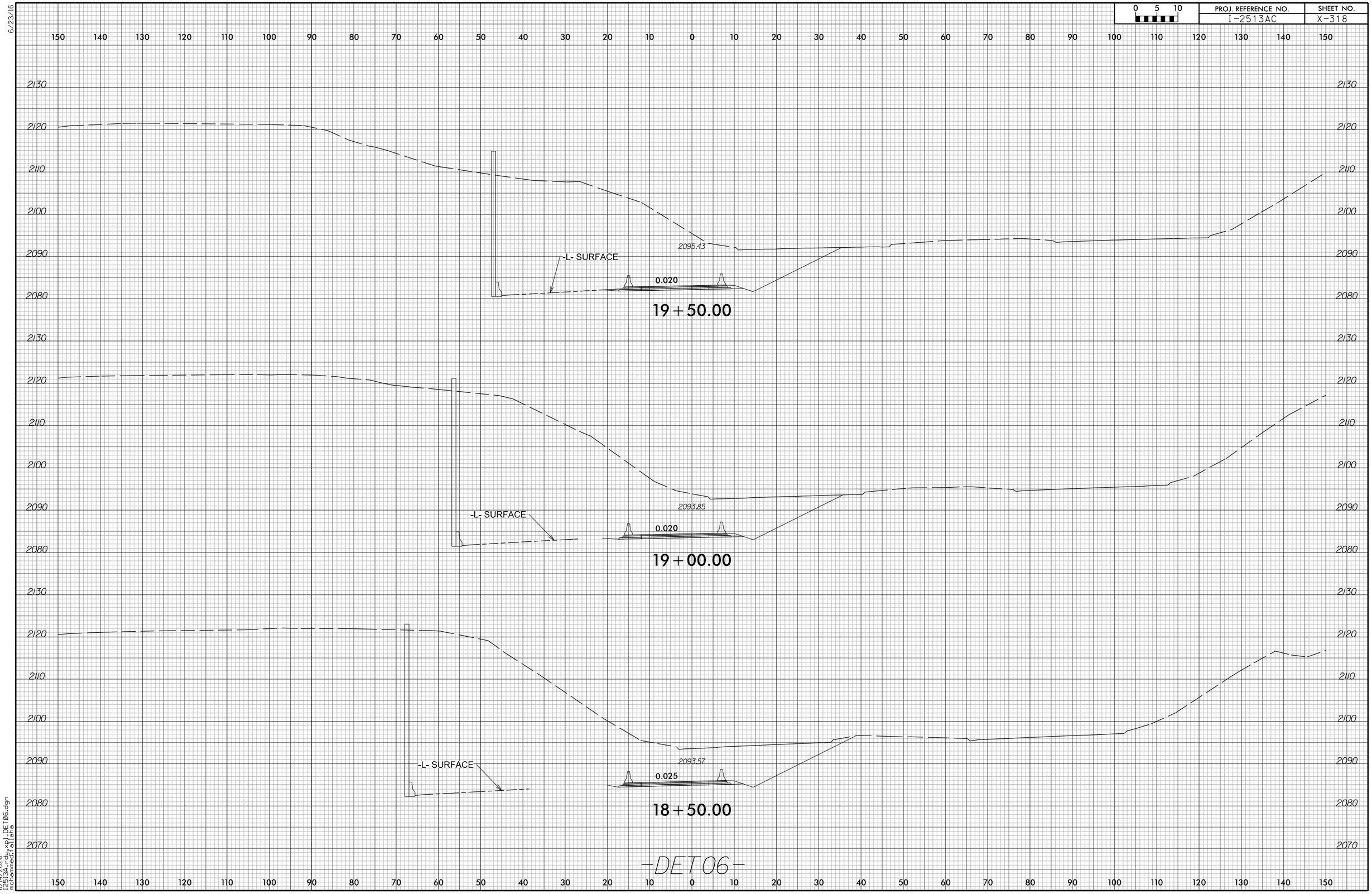
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET06.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET06.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-319

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2120 2110 2100 2090 2080 2070

2092.53

-Y3RPD- SURFACE

0.060

2078.91

-L- SURFACE

21+00.00

2093.88

-Y3RPD- SURFACE

0.043

-L- SURFACE

20+50.00

2095.82

-Y3RPD- SURFACE

0.023

-L- SURFACE

20+00.00

-DET06-

6/14/2026
12:51:40 PM
mohammed.rahaha

I:\2513AC\...\xpl_DET06.dgn

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-320

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2060 2050 2040 2030 2020 2060 2050 2040 2030 2020

-L- SURFACE

2.7%

0.028 0.028

2022.882

2023.65

11+50.00

-L- SURFACE

2.7%

0.047 0.047

2023.765

2024.41

11+00.00

-L- SURFACE

2.7%

0.050 0.050

2024.647

2025.09

10+50.00

-L- SURFACE

2.7%

0.040 0.040

2025.500

2026.35

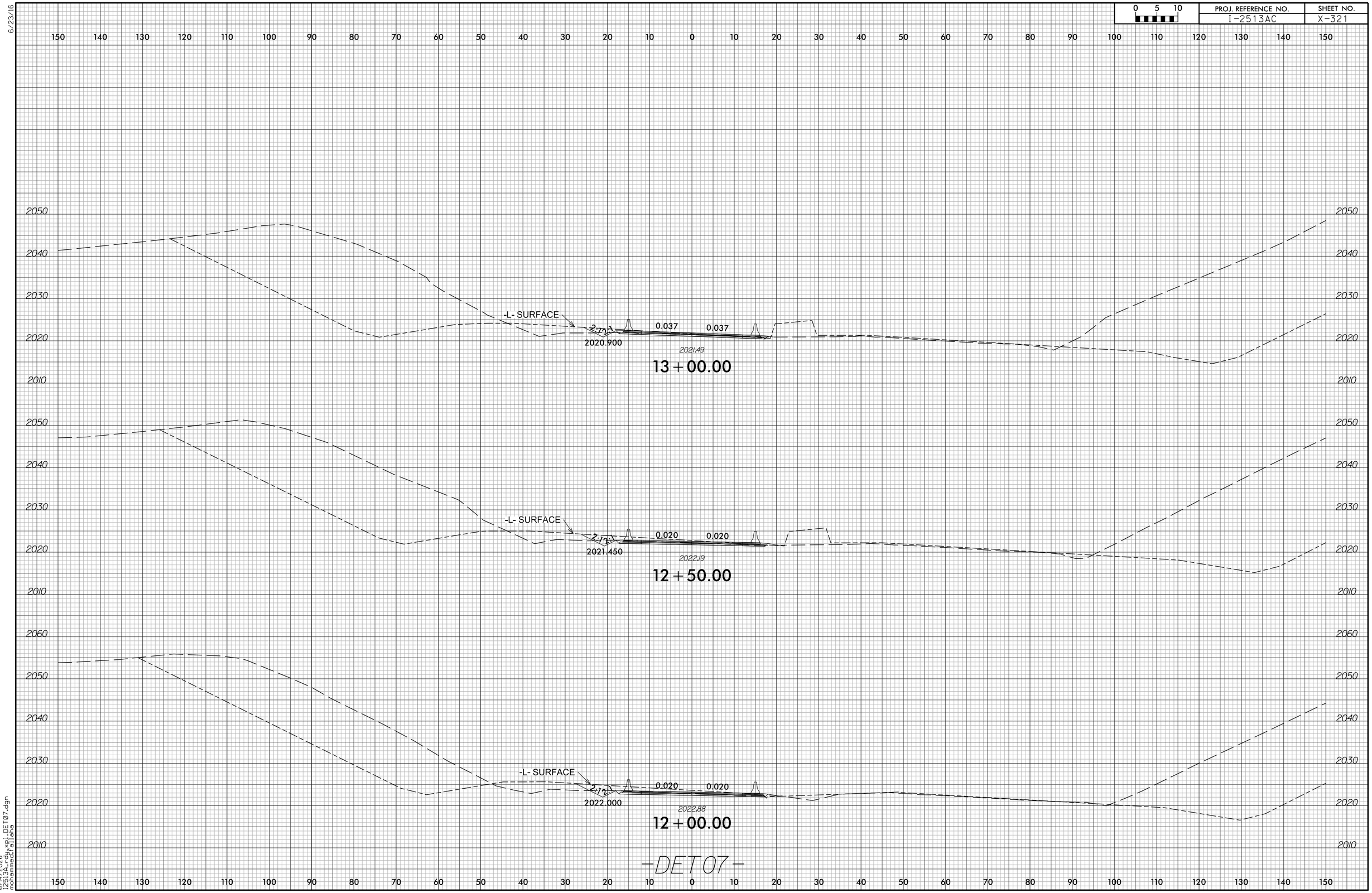
10+00.00

-DET07-

2060 2050 2040 2030 2020 2060 2050 2040 2030 2020 2010

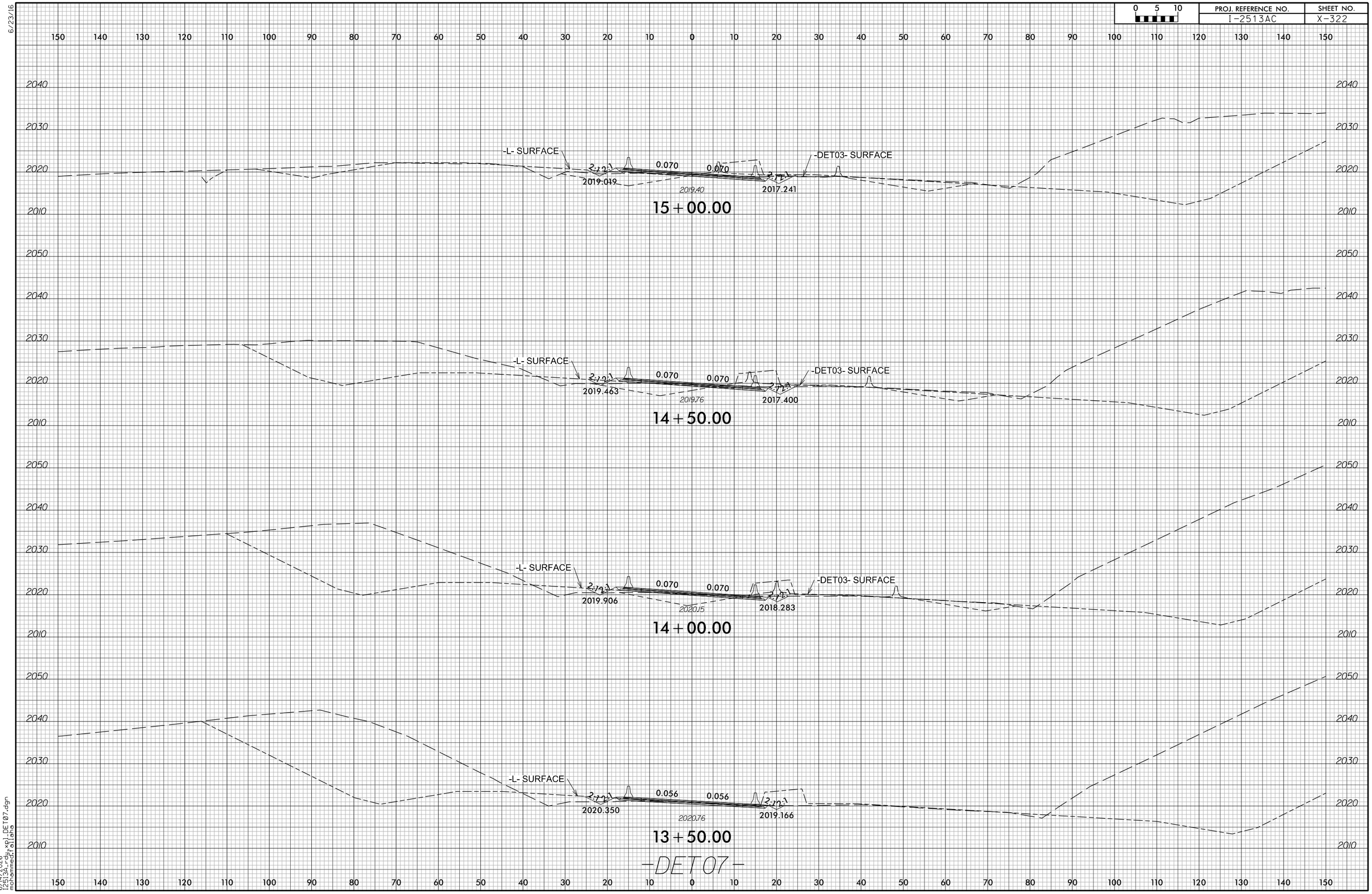
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6/14/2026
I:\2513ac\roadway\xsl_DET07.dgn
mohammed.alaiahs



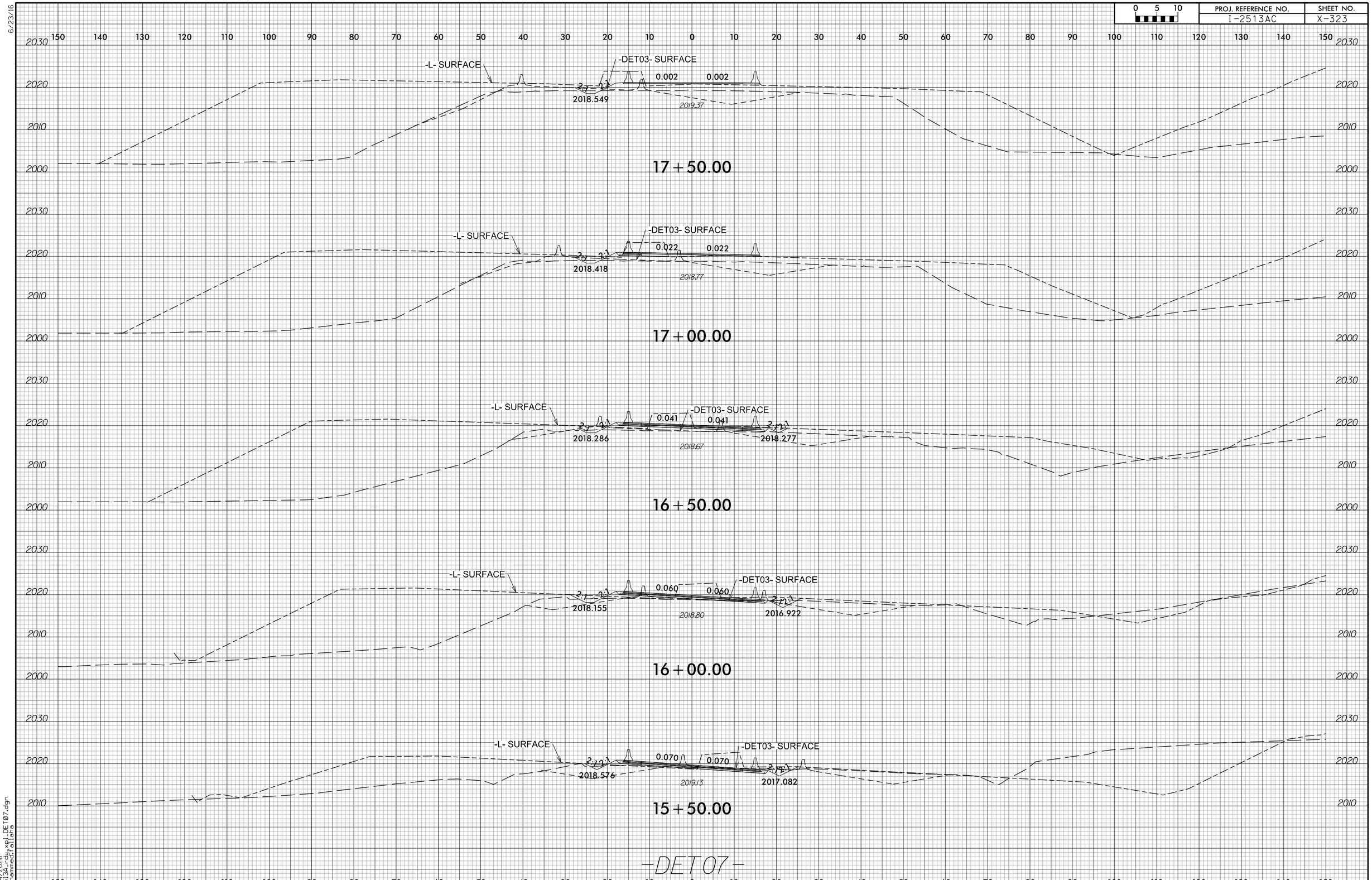
6/23/16

6/14/2026
I2513A_rdy_xpl_DET07.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET07.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET07.dgn
mohammed.fallaha

6/23/16

PROJ. REFERENCE NO.	SHEET NO.
I-2513AC	X-324

0 5 10

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2030 2020 2010 2000

-L- SURFACE

-DET03- SURFACE

0.040 0.015

2:1 2:1

2020.439

2021.55

19+50.00

2030 2020 2010 2000

-L- SURFACE

-DET03- SURFACE

0.040 0.034

2:1 2:1

2019.855

2020.92

19+00.00

2030 2020 2010 2000

-L- SURFACE

-DET03- SURFACE

0.036 0.036

2:1 2:1

2019.268

2020.34

18+50.00

2030 2020 2010 2000

-L- SURFACE

-DET03- SURFACE

0.017 0.017

2:1 2:1

2018.680

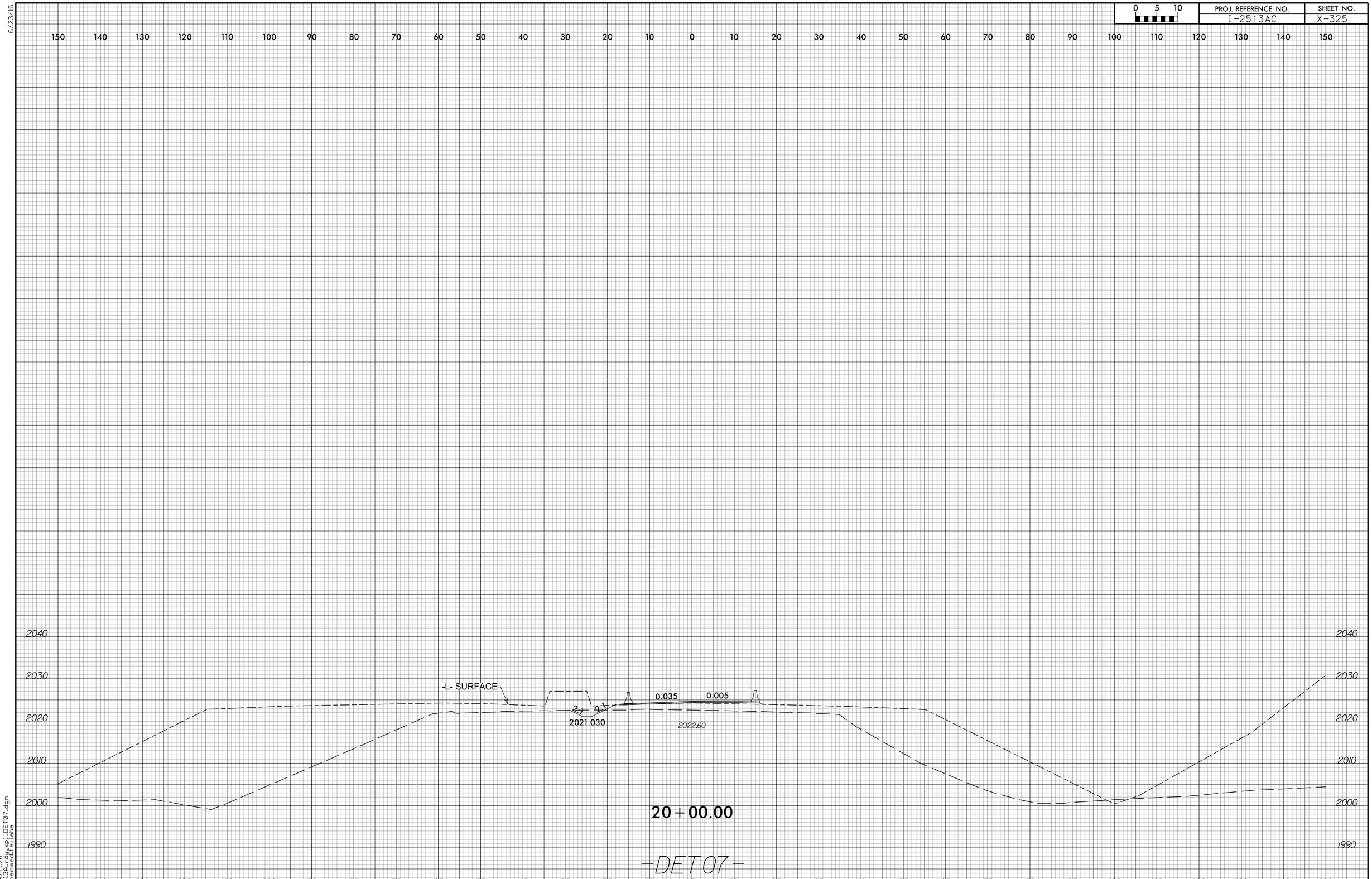
2019.76

18+00.00

-DET07-

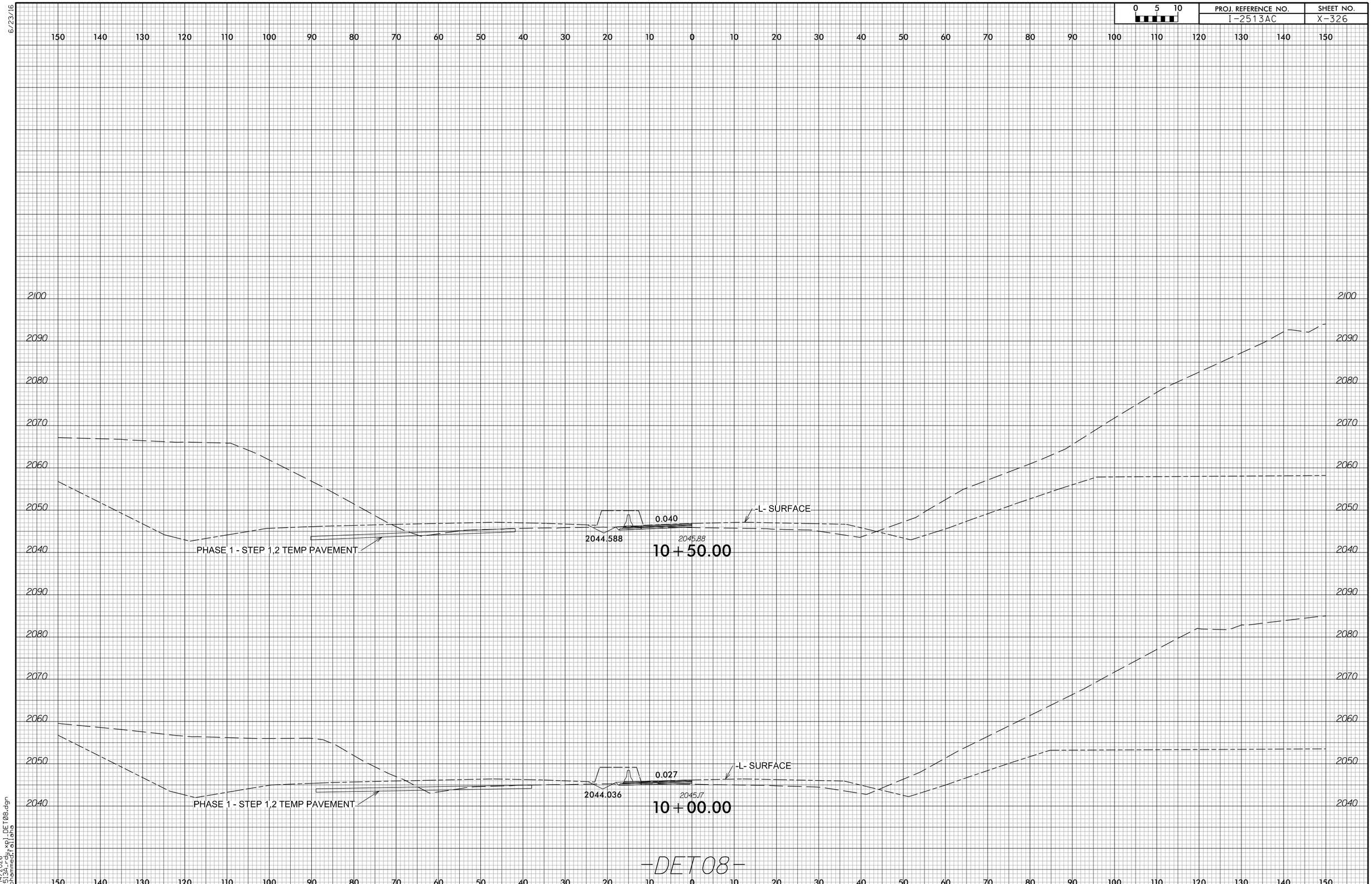
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6/14/2026
12:13:26
mohammed.tolaha
x:\...\DET07.dgn



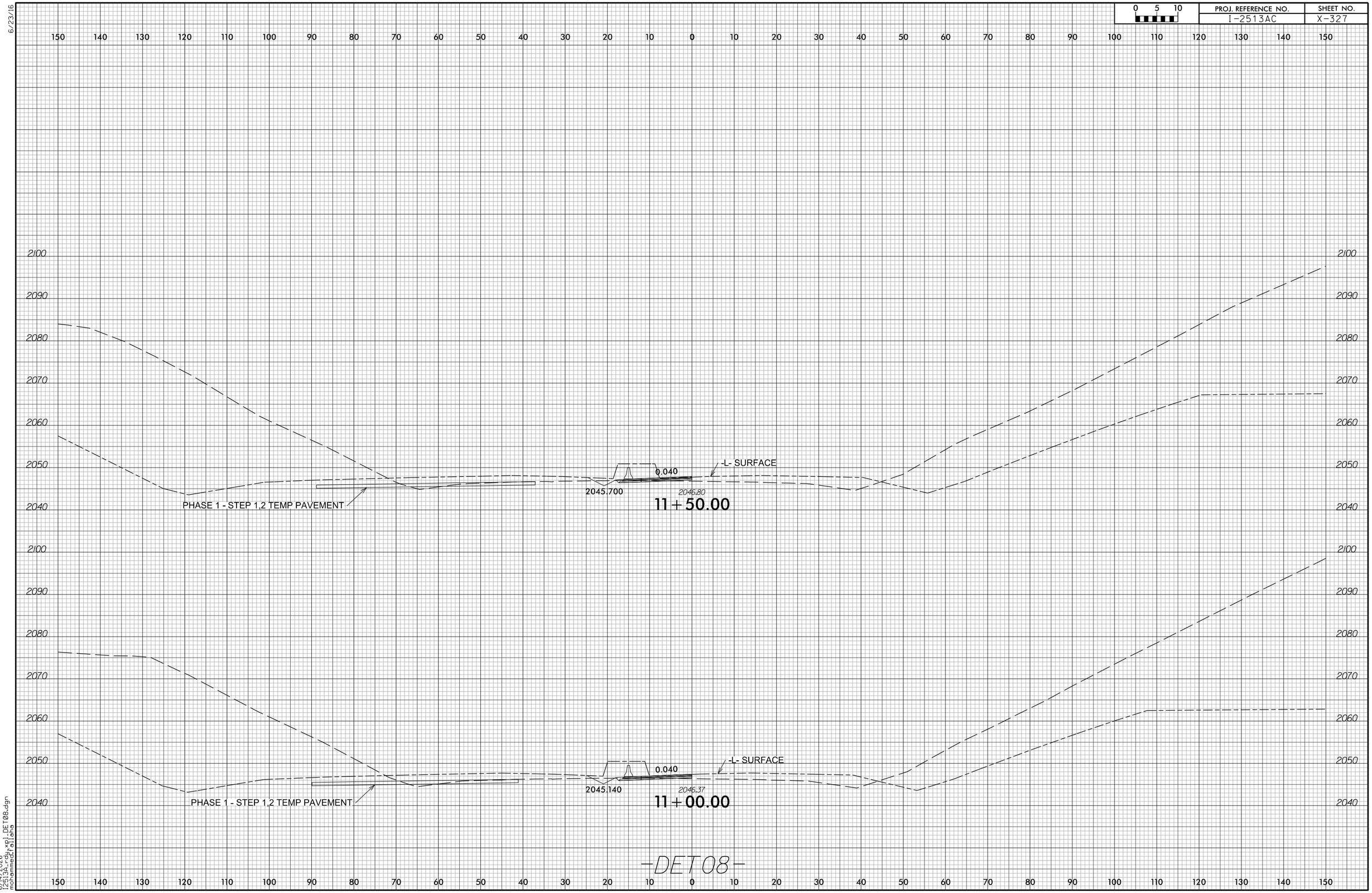
6/23/16

6/14/2026
I2513A_rdy_xpl_DET07.dgn
mohammed.fallaha



6/23/16

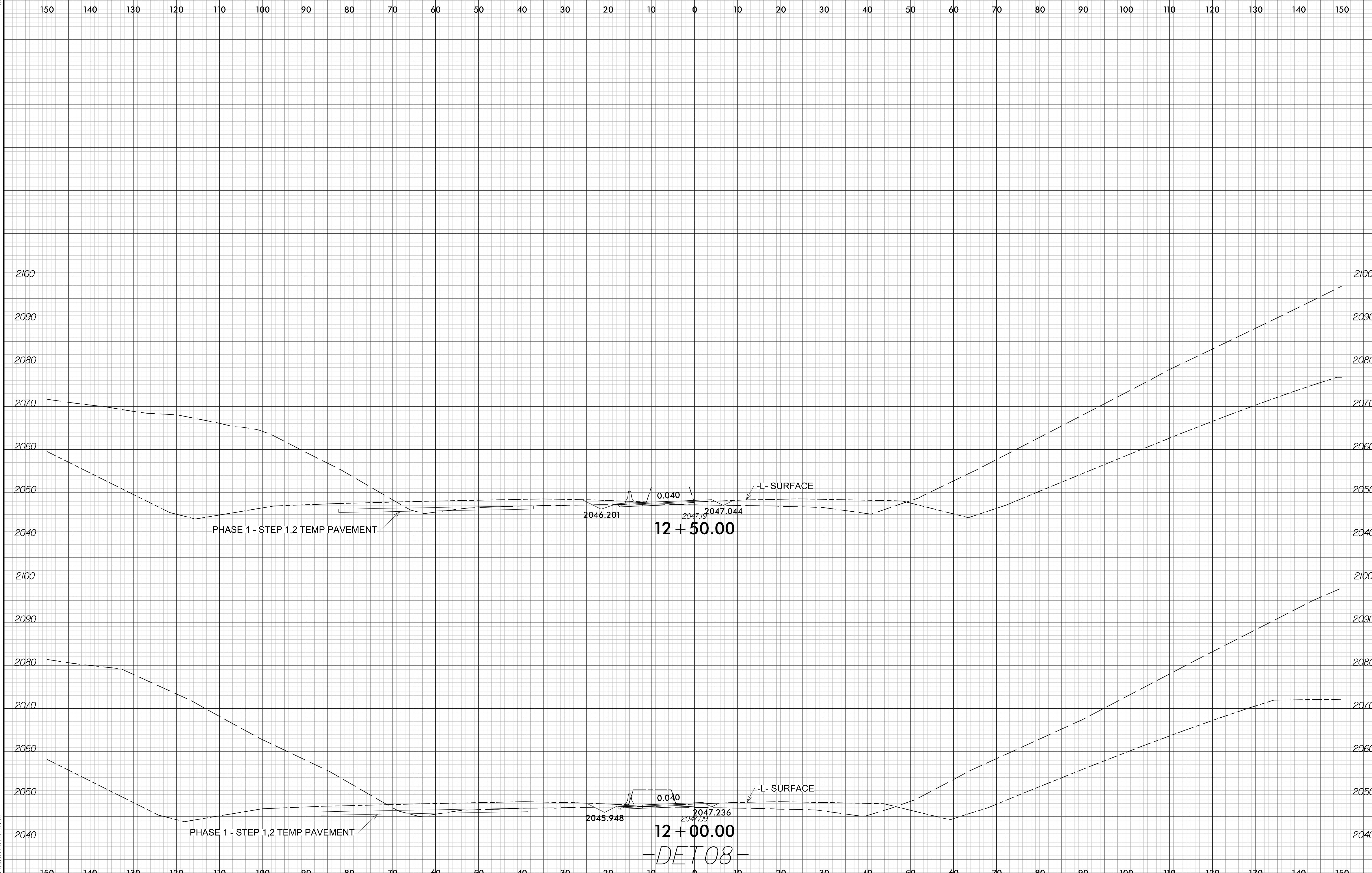
6/14/2026
I2513A_rdy_xpl_DET08.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET08.dgn
mohammed.fallaha

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-328



6/23/16

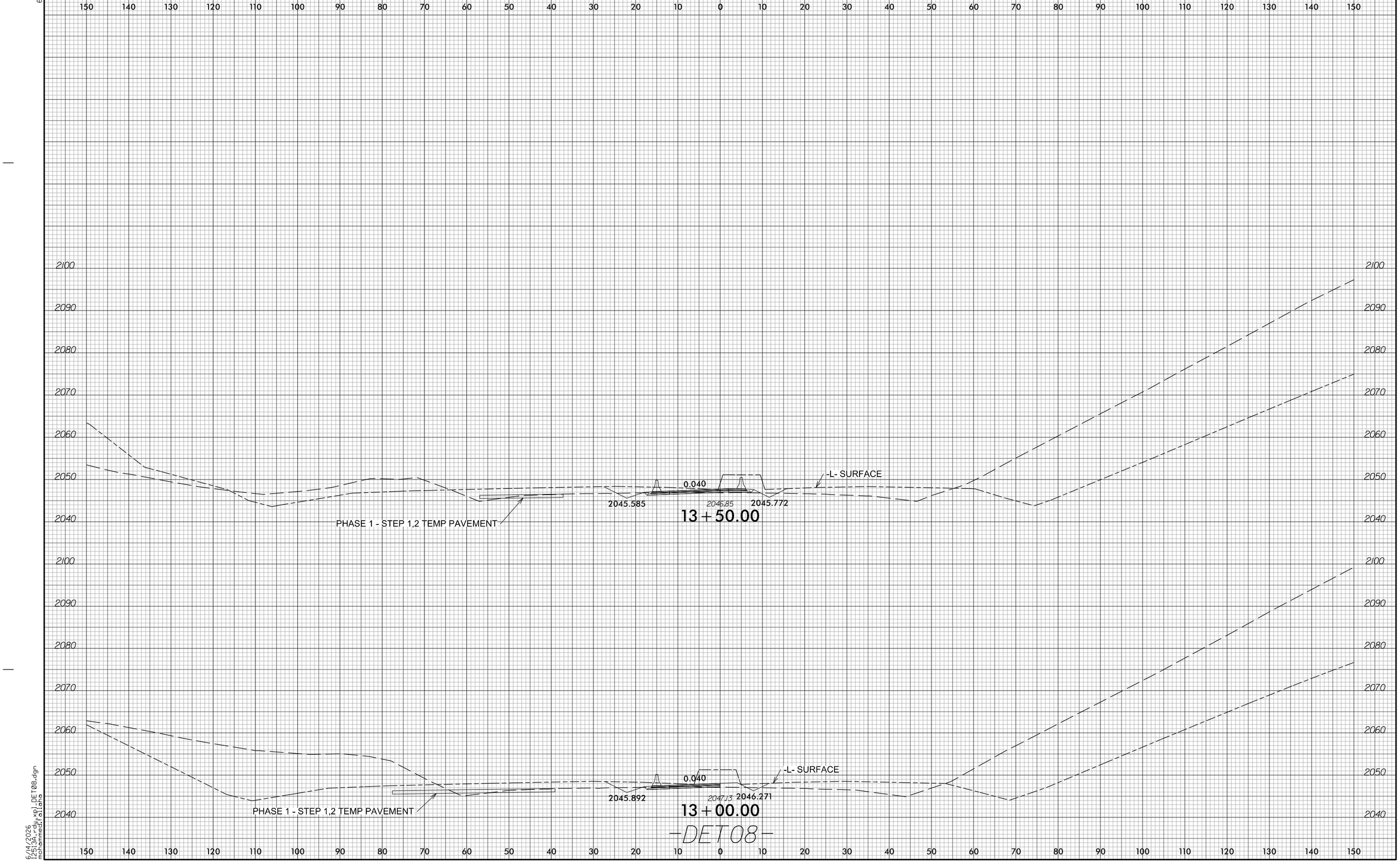
6/14/2026
I2513A_rdy_xpl_DET08.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-329

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

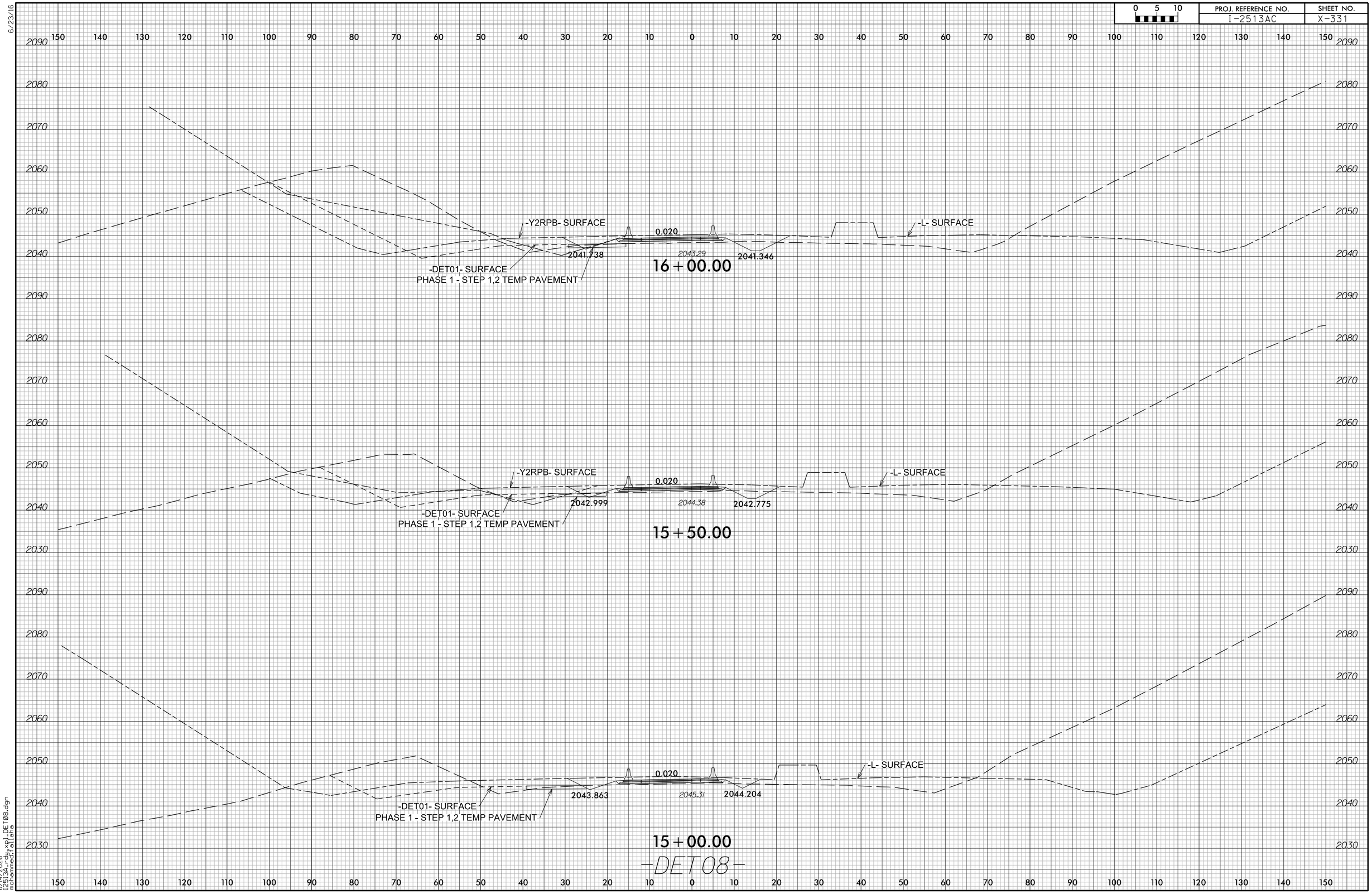
2100
2090
2080
2070
2060
2050
2040



-DET08-

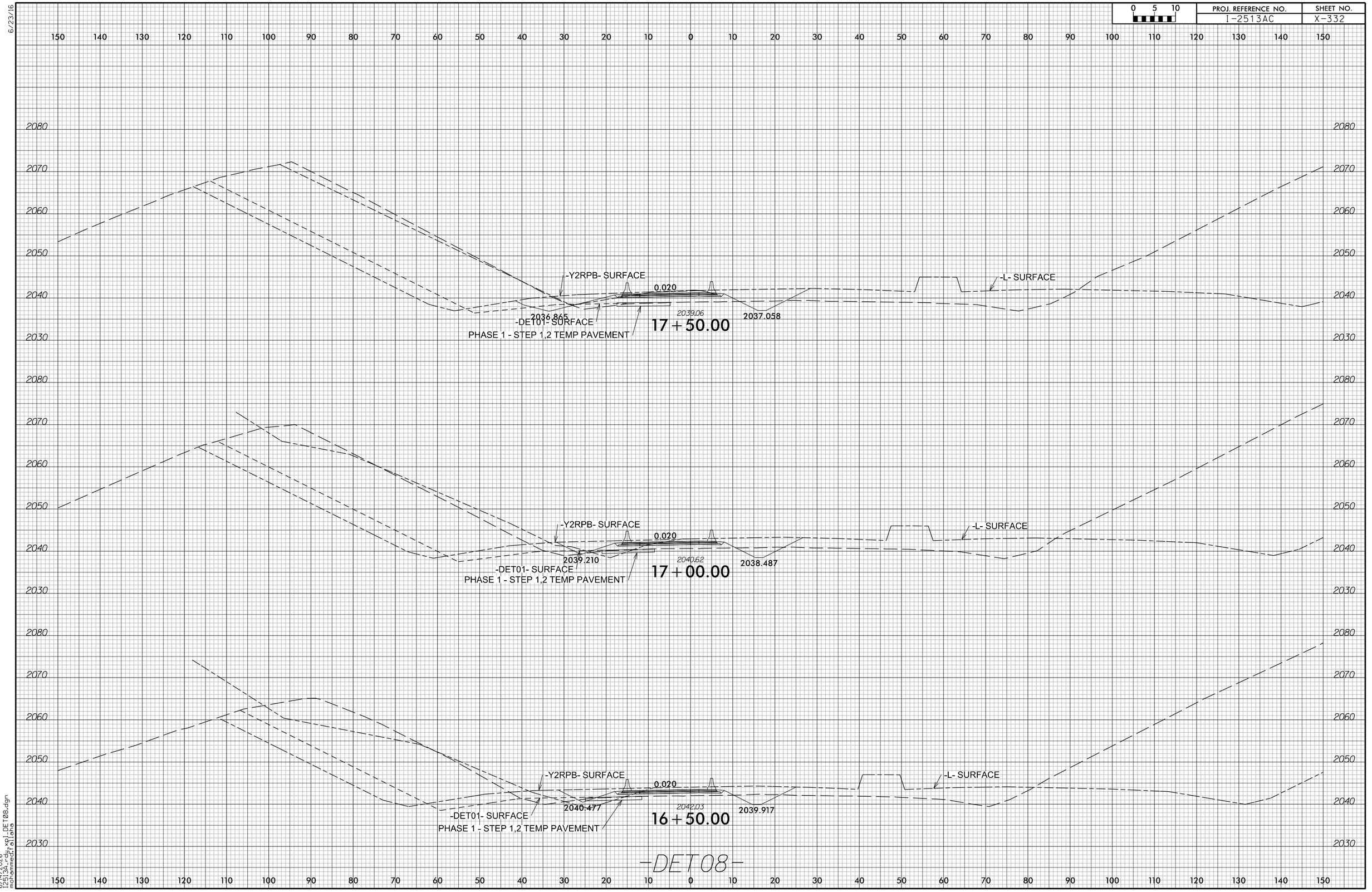
6/14/2026
P2513AC_Details.xsl_DET08.dgn
mohammed.faliahs

0 5 10
PROJ. REFERENCE NO.
I-2513AC
SHEET NO.
X-330
6/23/16
-L- SURFACE
0.020
2044.740
2046.19
2044.727
-DET01- SURFACE
PHASE 1 - STEP 1,2 TEMP PAVEMENT
14+50.00
-L- SURFACE
0.023
2045.278
2046.63
2045.249
-DET01- SURFACE
PHASE 1 - STEP 1,2 TEMP PAVEMENT
14+00.00
-DET08-
6/14/2026
I2513A_rdy_xpl_DET08.dgn
mohammed.fallaha



6/23/16

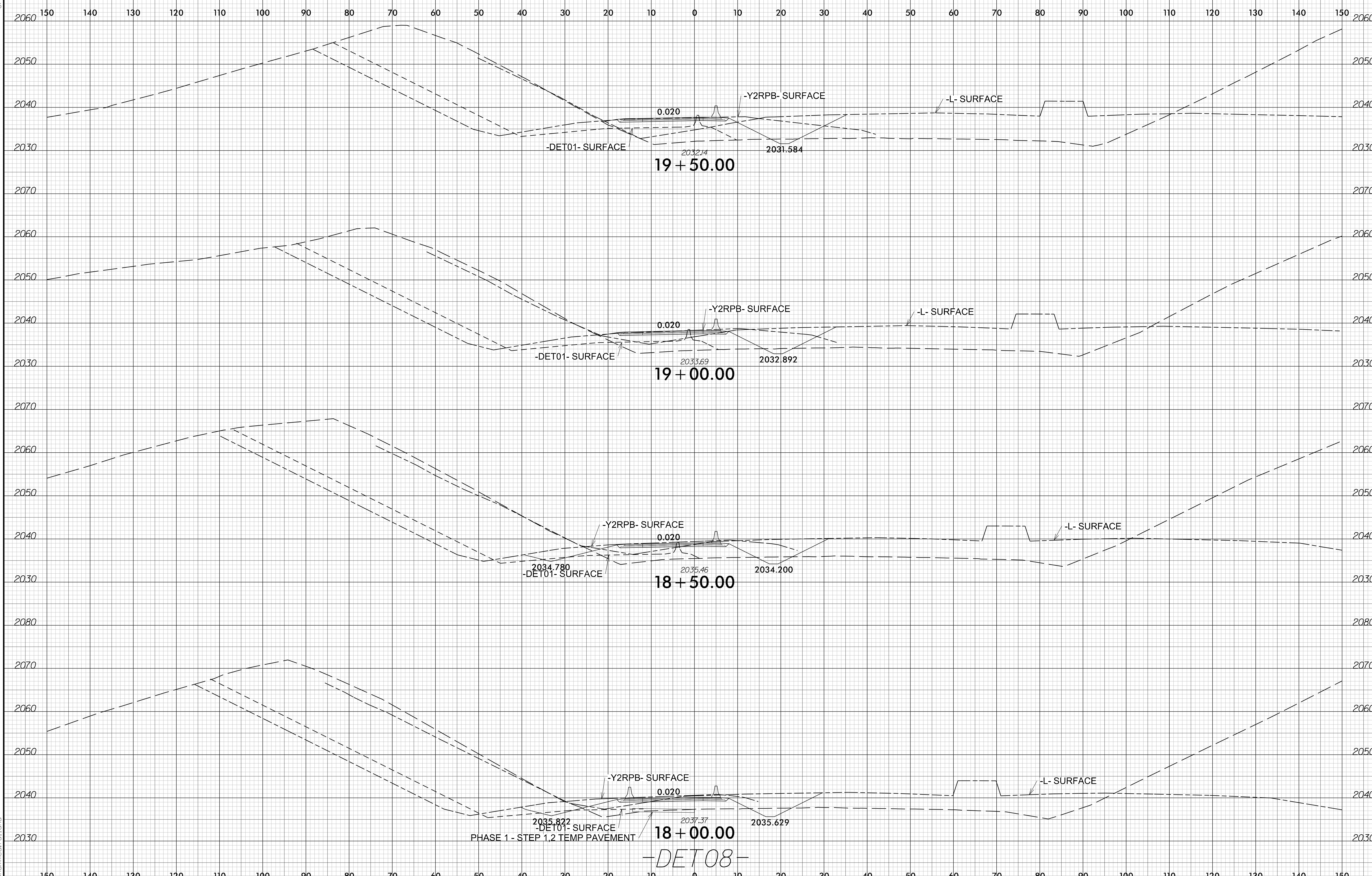
6/14/2026
I2513A_rdy_xpl_DET08.dgn
mohammed.fallaha



6/23/16

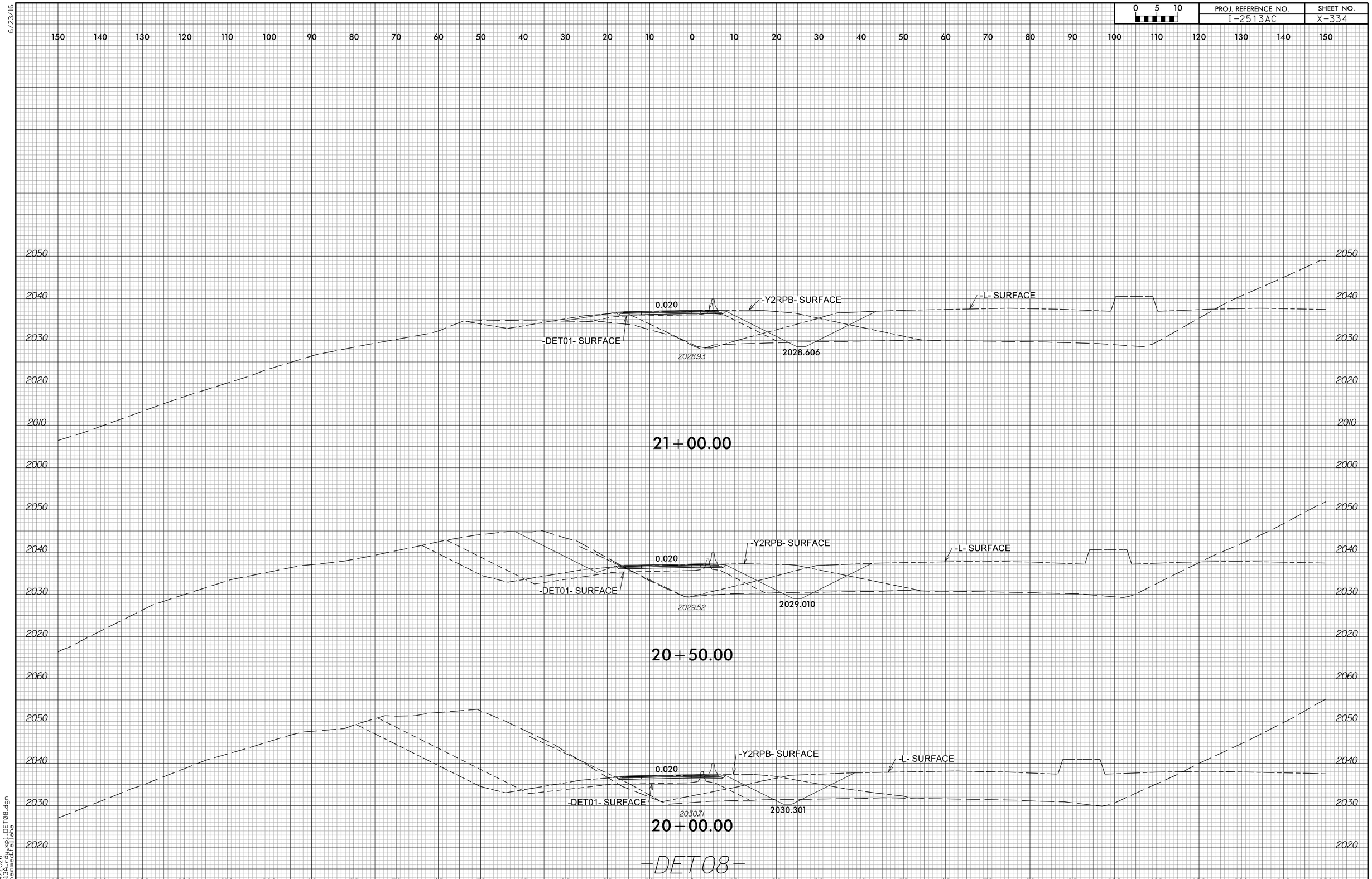
6/14/2026
I2513A_rdy_xpl_DET08.dgn
mohammed.fallaha

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-333



6/23/16

6/14/2026
12513A_rdy_xpl_DET08.dgn
mohammed.falaha



0 5 10
PROJ. REFERENCE NO.
I-2513AC
SHEET NO.
X-334
6/23/16
-Y2RPB- SURFACE
-L- SURFACE
0.020
-DET01- SURFACE
2028.93
2028.606
21+00.00
-Y2RPB- SURFACE
-L- SURFACE
0.020
-DET01- SURFACE
2029.52
2029.010
20+50.00
-Y2RPB- SURFACE
-L- SURFACE
0.020
-DET01- SURFACE
2030.71
2030.301
20+00.00
-DET08-
6/14/2026
I2513A_rdy_xpl_DET08.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-335

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2050 2040 2030 2020 2010 2000 1990

-DET01- SURFACE

-Y2RPB- SURFACE

-L- SURFACE

0.025

2026.02

22+00.00

-DET01- SURFACE

-Y2RPB- SURFACE

-L- SURFACE

0.025

2026.33

21+50.00

-DET08-

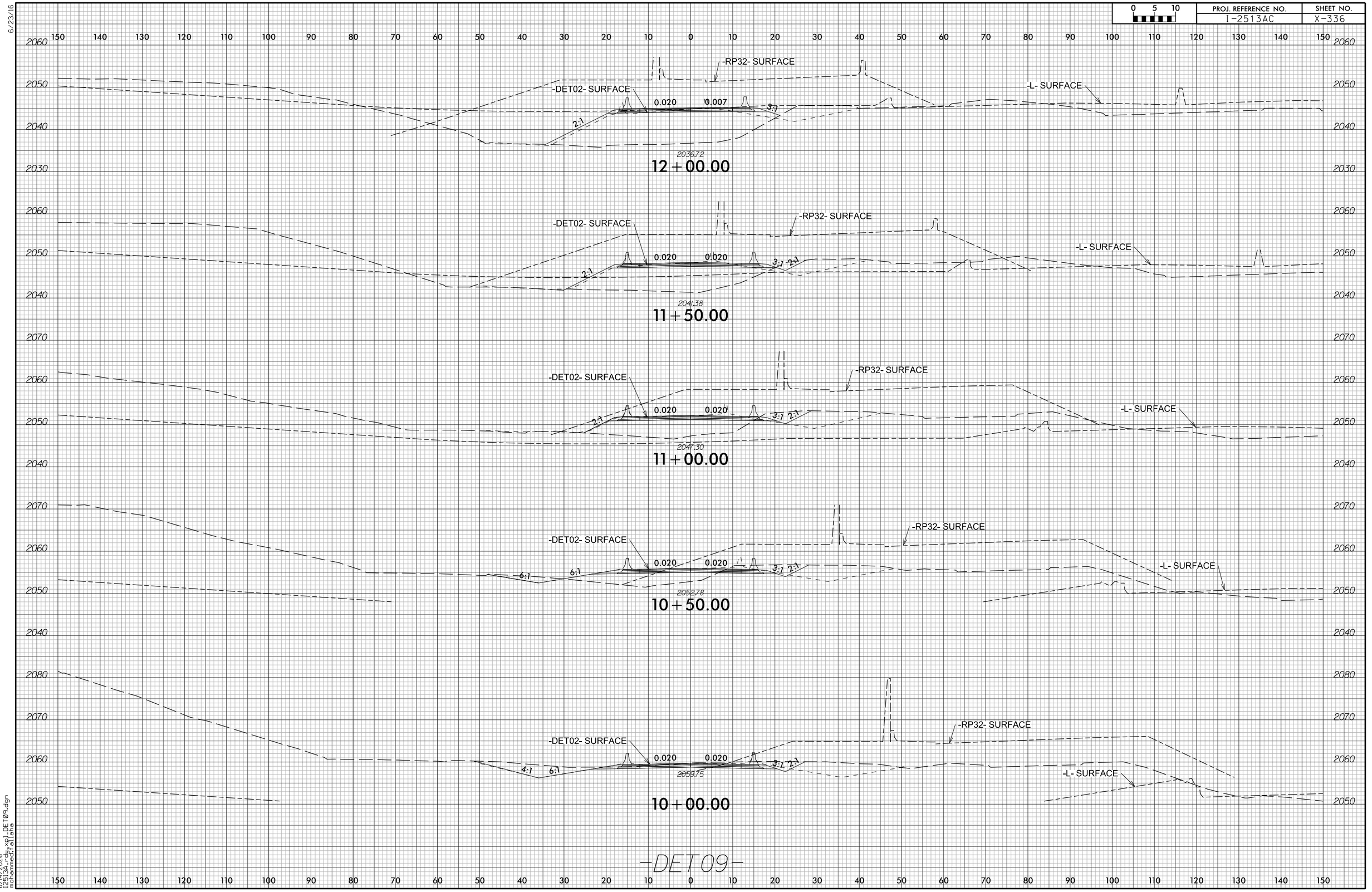
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6/14/2026
12:51:26
mohammed.hollaha

2050 2040 2030 2020 2010 2000 1990

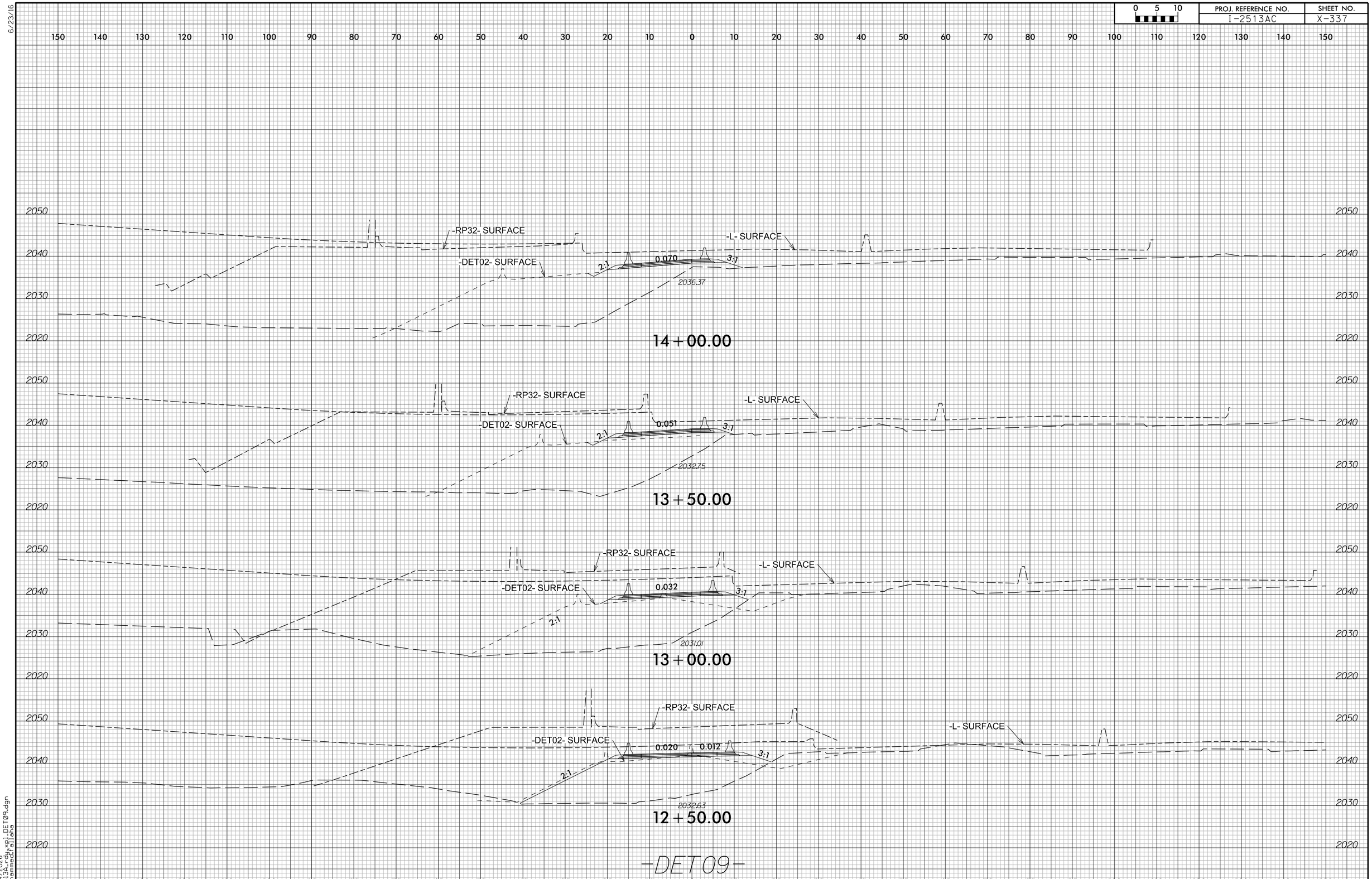
6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-336



-DET09-

6/14/2026
I2513AC_xsl_DET09.dgn
mohammedf.allaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET09.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-338

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2050 2040 2030 2020 2010 2000 1990

-RP32- SURFACE

-DET02- SURFACE

-L- SURFACE

0.080

2:1

2034.25

15+50.00

-RP32- SURFACE

-DET02- SURFACE

-L- SURFACE

0.080

2:1 2:1 2:1 3:1

2034.24

15+00.00

-RP32- SURFACE

-DET02- SURFACE

-L- SURFACE

0.080

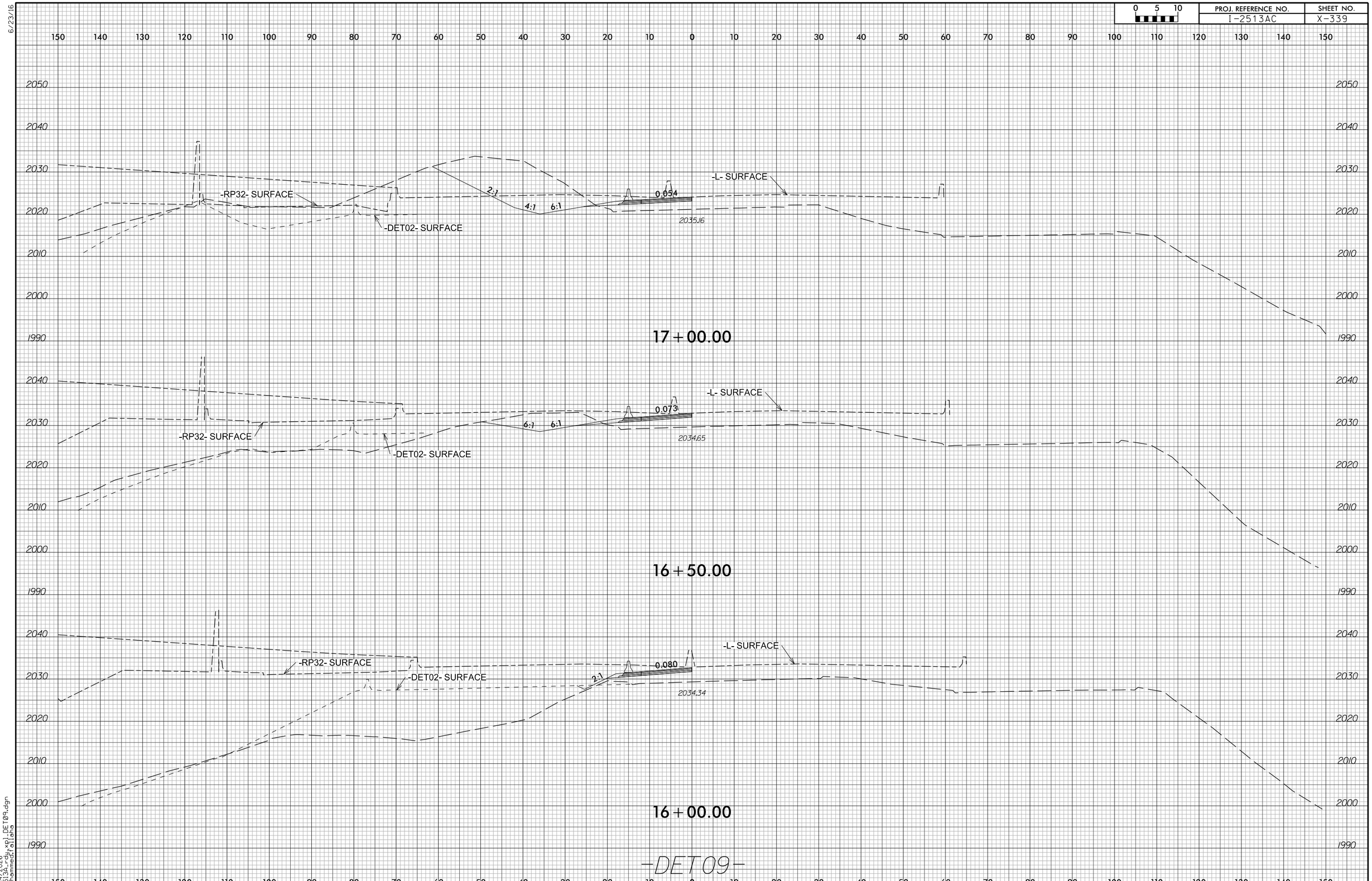
2:1 2:1 2:1 2:1

2035.03

14+50.00

-DET09-

6/14/2026
P2513AC_Profile_xsl_DET09.dgn
mohammed.rafiahs



6/23/16

6/14/2026
I2513A_rdy_xpl_DET09.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-340

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2090 2080 2070 2060 2050 2040 2100 2090 2080 2070 2060 2050 2040 2030

-Y2RPB- SURFACE

-DET08- SURFACE

-L- SURFACE

0.040

2043.00

2043.05

10+50.00

-Y2RPB- SURFACE

-DET08- SURFACE

-L- SURFACE

0.040

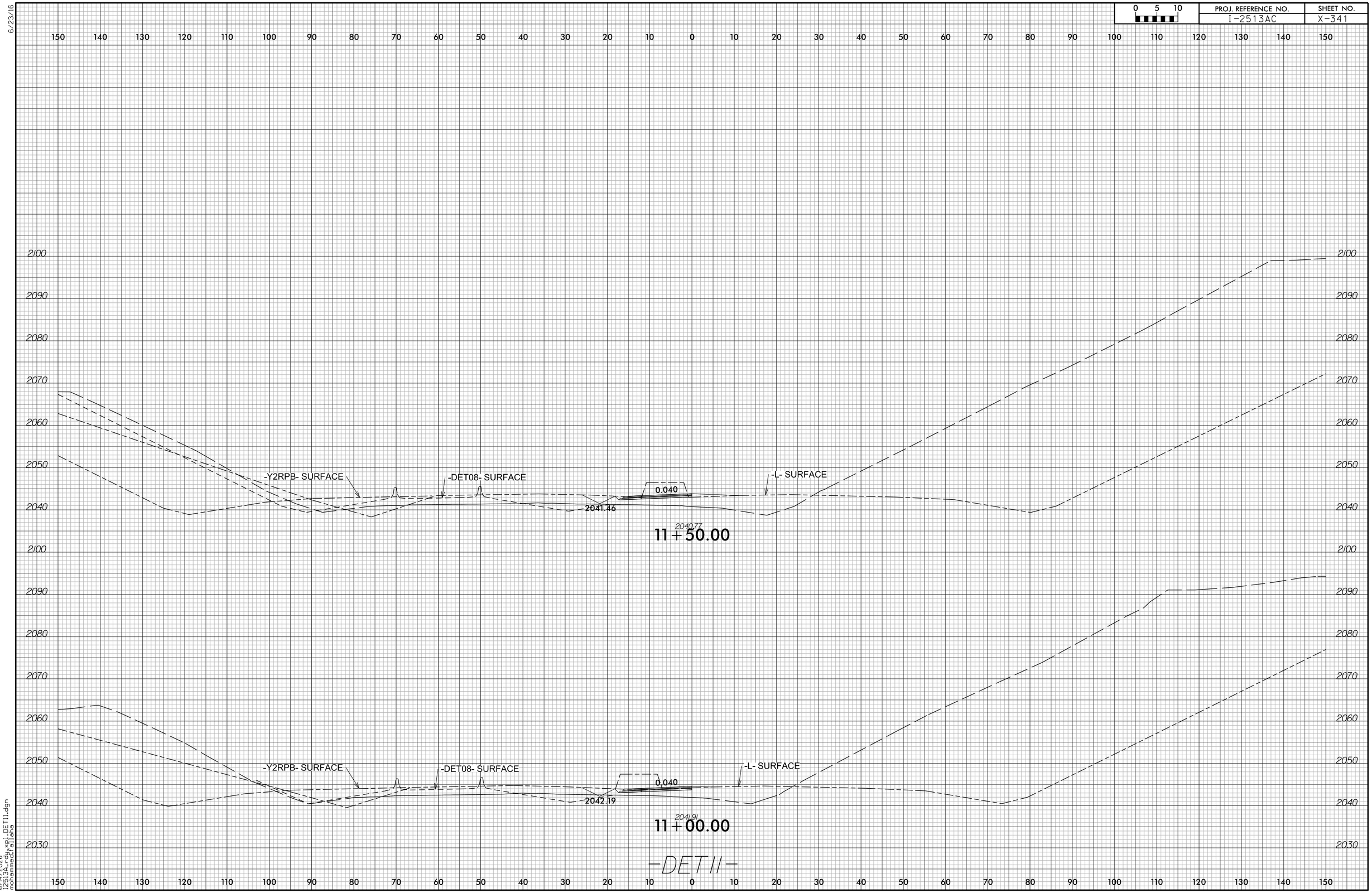
2043.80

2044.18

10+00.00

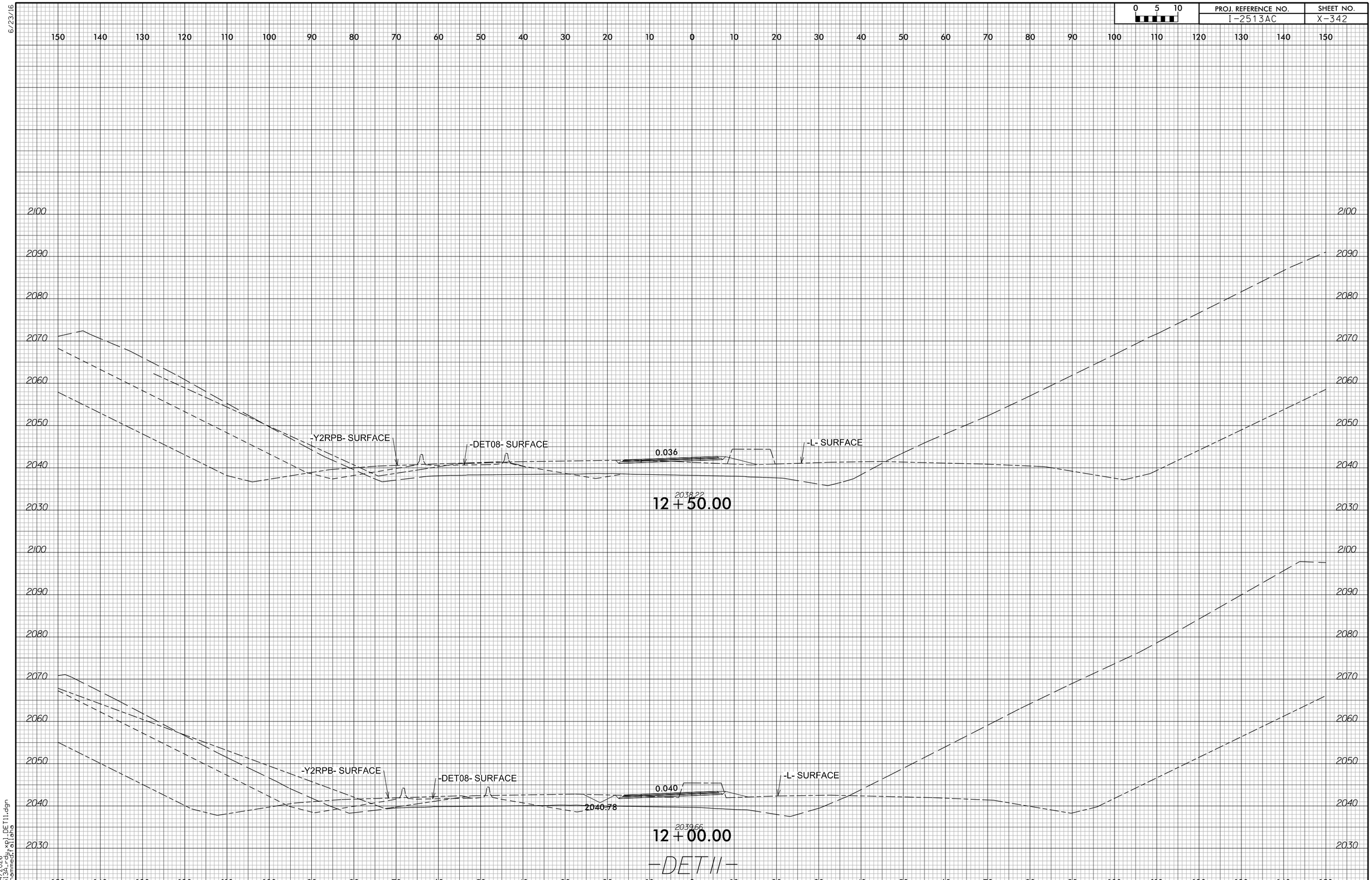
-DET11-

6/14/2026
P:\513ac\...\xsl_DET11.dgn
mohammed.rafiahs



6/23/16

6/14/2026
I2513A_rdy_xpl_DET11.dgn
mohammed.fallaha

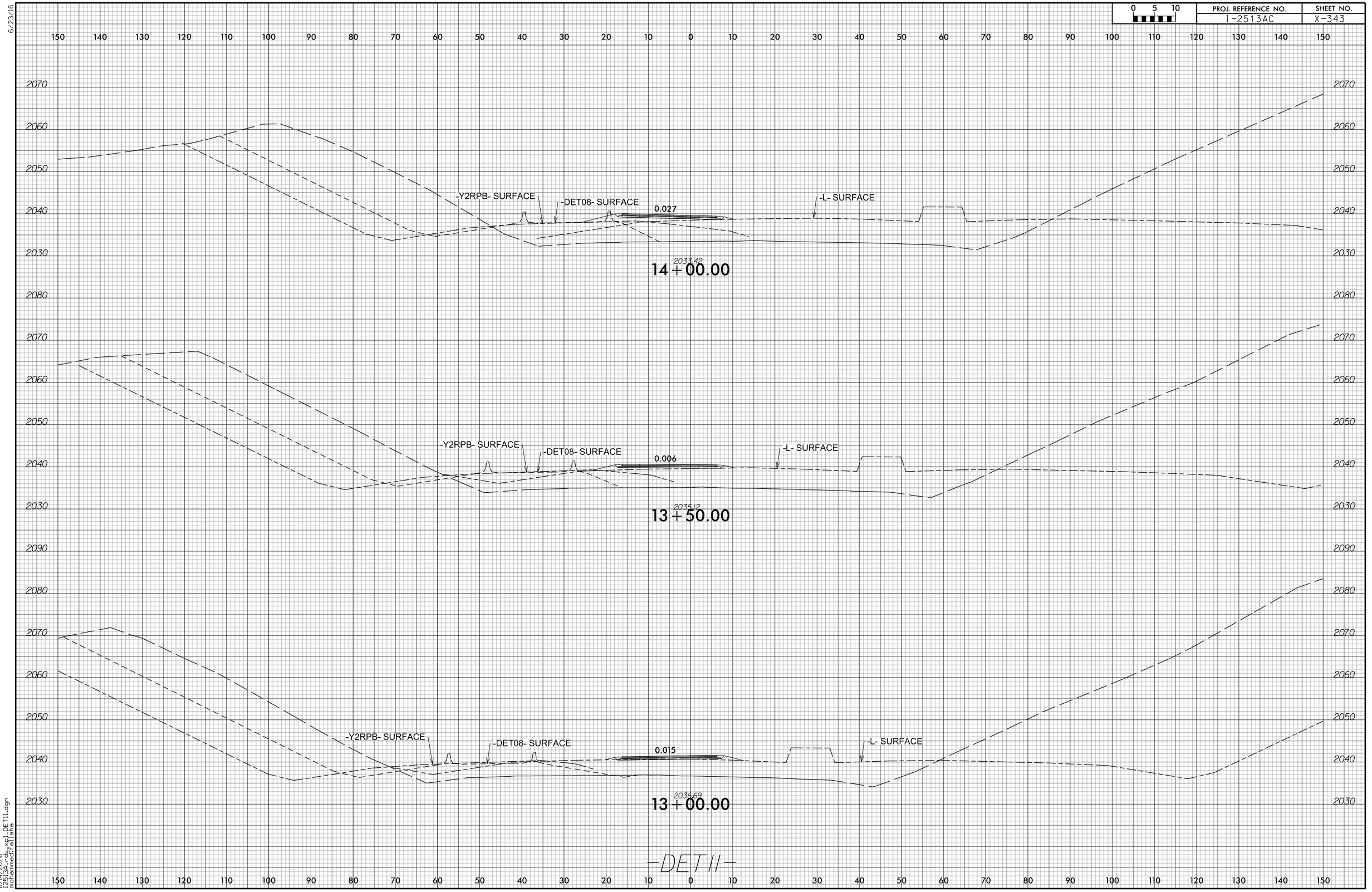


6/23/16

6/14/2026
I2513A_rdy_xpl_DET11.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-343



6/14/2026
B-5136_det_xsl_DET11.dgn
mohammed.rafiahs

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-344

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2060 2050 2040 2030 2020 2010

-Y2RPB- SURFACE -DET08- SURFACE 0.001 -L- SURFACE

2029.82

15+50.00

2060 2050 2040 2030 2020 2010 2070

-Y2RPB- SURFACE -DET08- SURFACE 0.022 -L- SURFACE

203079

15+00.00

2060 2050 2040 2030 2020

-Y2RPB- SURFACE -DET08- SURFACE 0.040 -L- SURFACE

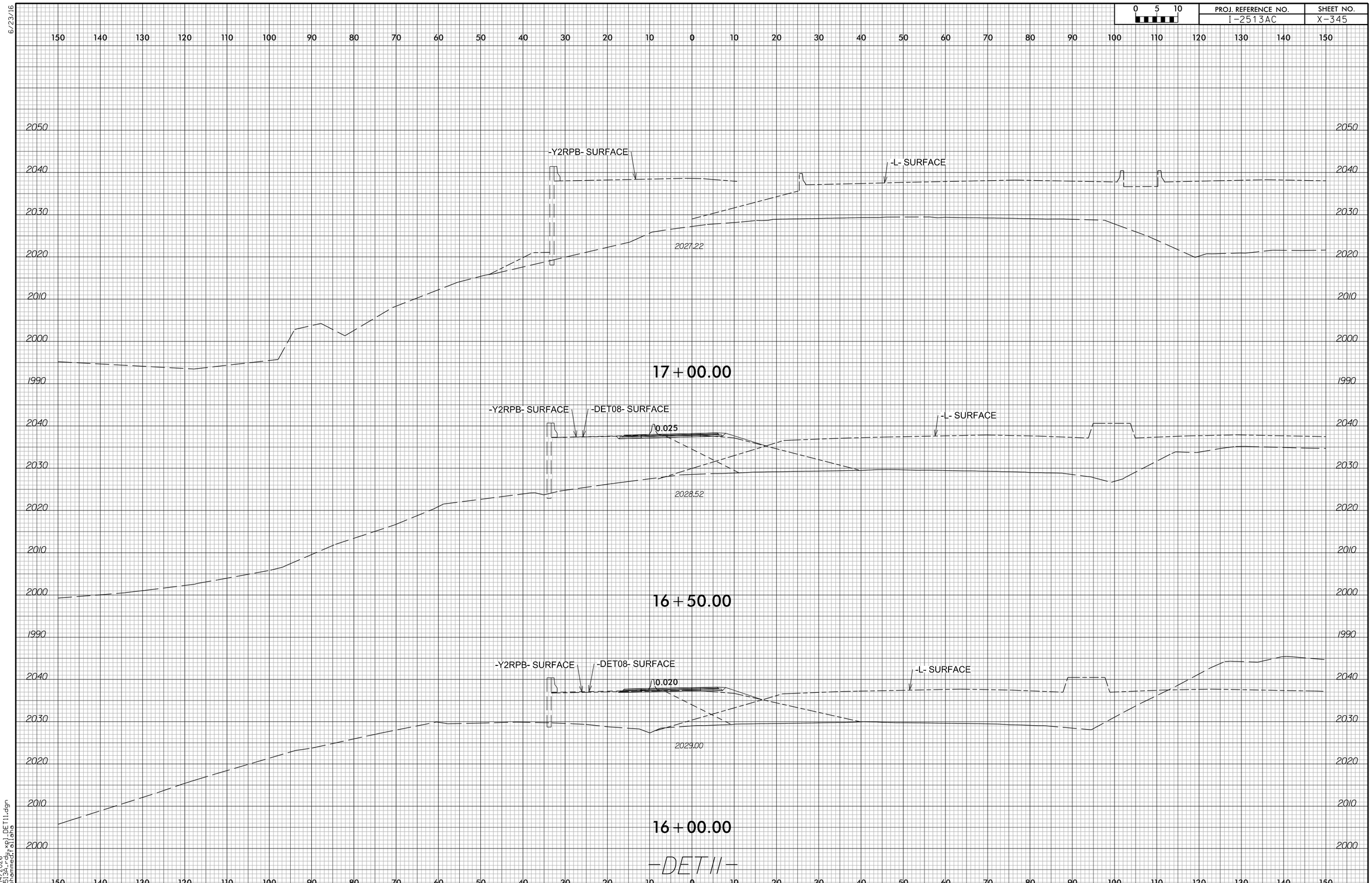
203201

14+50.00

-DET11-

6/14/2026
P2513AC_Cross_Sections_DET11.dgn
mohammed.rafiahs

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



6/23/16

6/14/2026
I2513A_rdy_xpl_DET11.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-346

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2050 2040 2030

0.045 0.045

2038.945

2040.03

4:1

2:1 Slope into ROW fill slope

2036.091

13+00.00

2050 2040 2030

0.045 0.045

2038.58

2034.819

4:1

2:1 Slope into ROW fill slope

2031.608

12+50.00

2040 2030 2020

2033.14

4:1

2:1 Slope into ROW fill slope

2027.124

12+00.00

2050 2040 2030 2020

2027.73

2:1 Slope into ROW fill slope

2022.641

11+50.00

2050 2040 2030 2020

2022.80

2:1 Slope into ROW fill slope

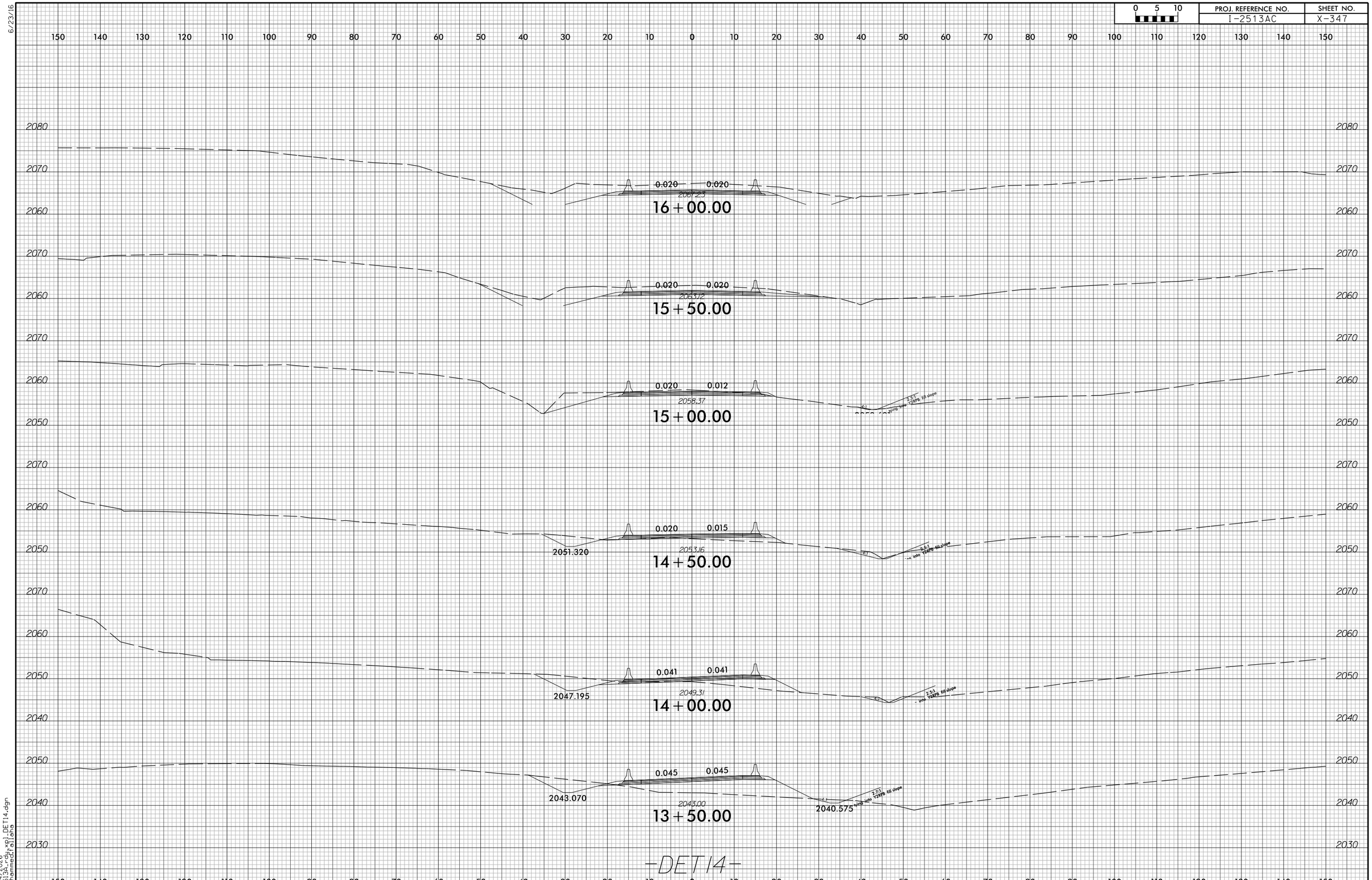
11+00.00

2010

-DET14-

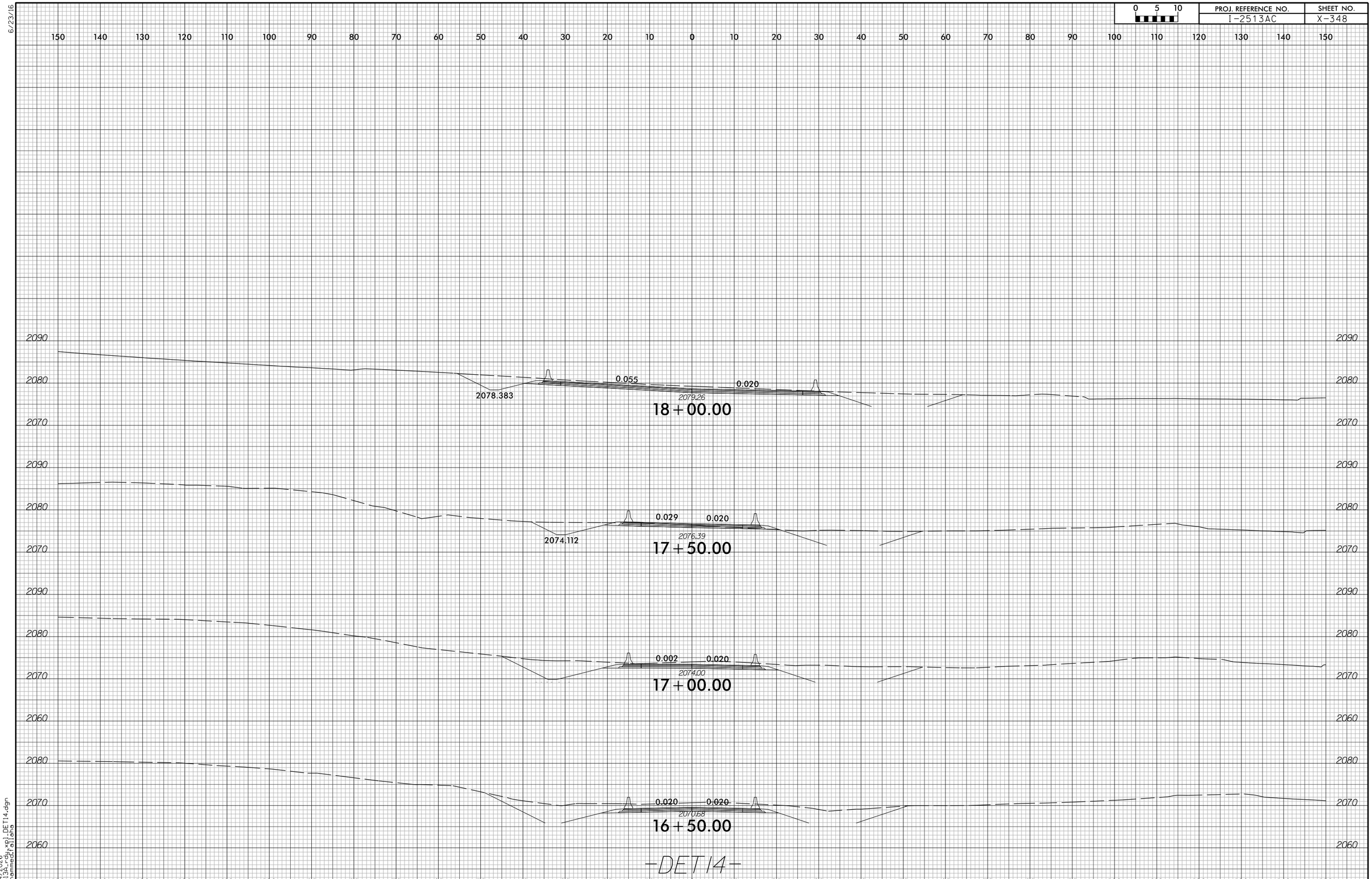
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6/14/2026
I:\2513ac\roadway\xpl_DET14.dgn
mohammedf.olaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET14.dgn
mohammed.fallaha



6/23/16

6/14/2026
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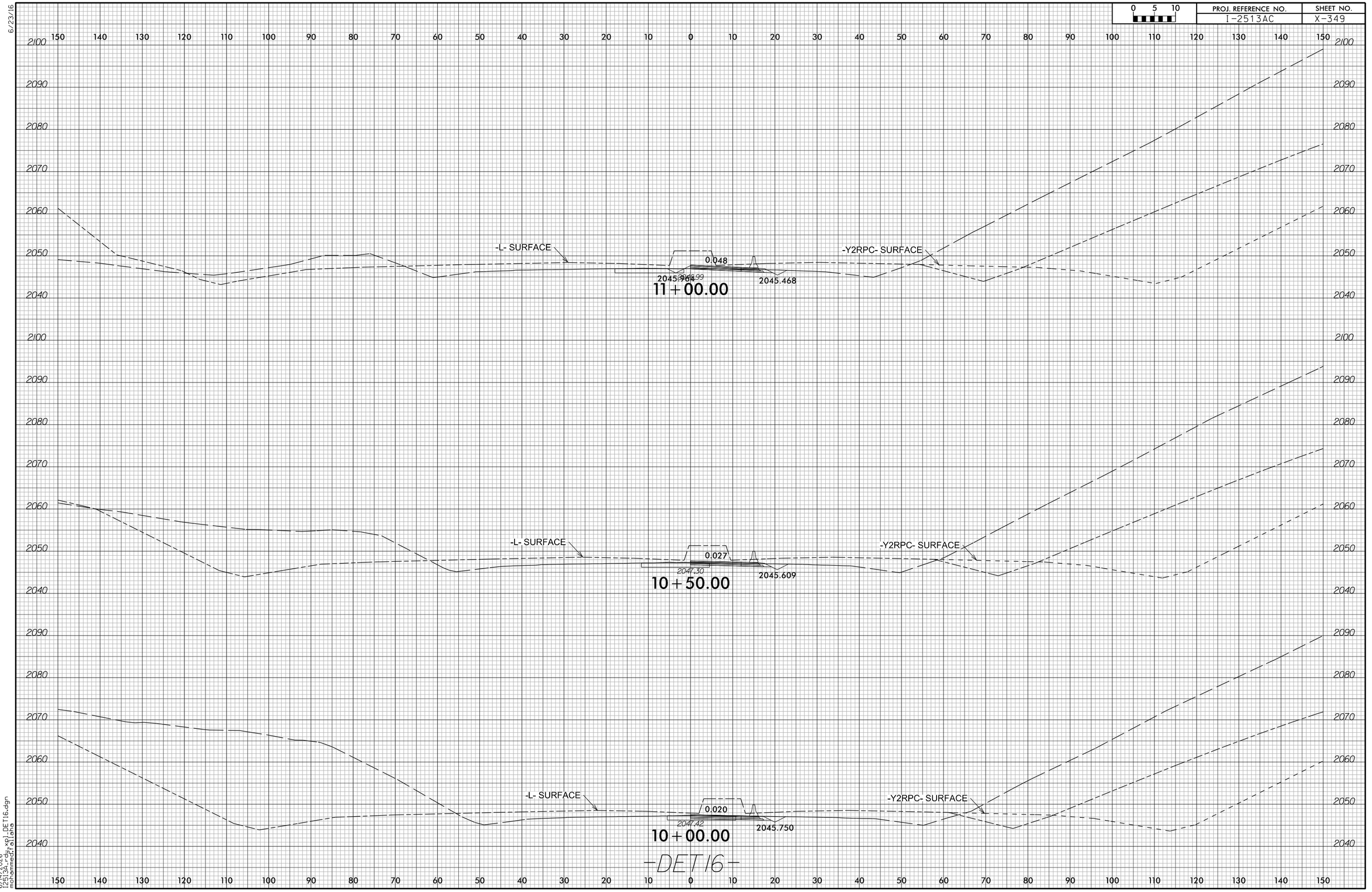
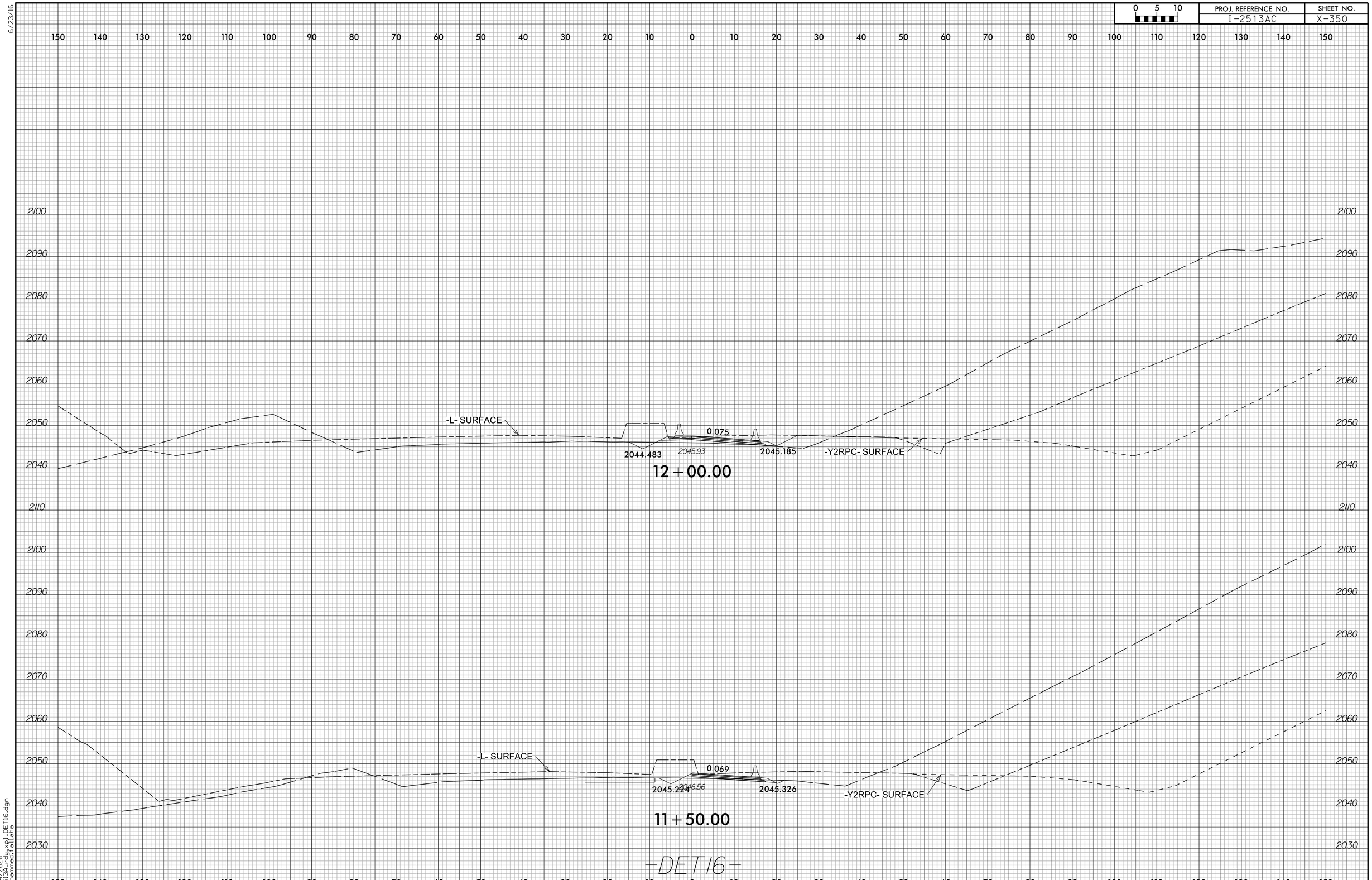
mohammed.fallaha



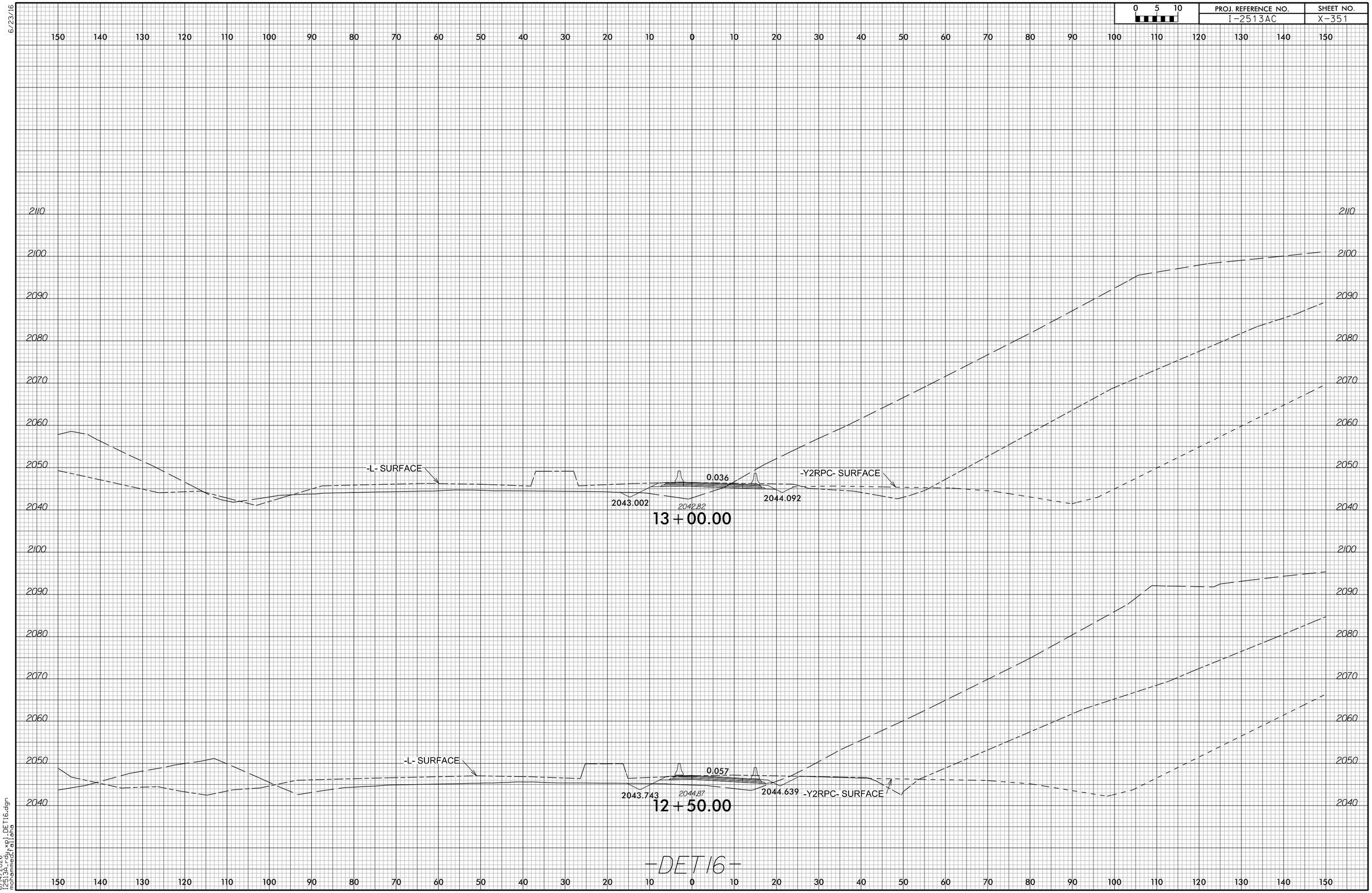
6/23/16

6/14/2026
I2513A_rdy_xpl_DET16.dgn
mohammed.fallaha



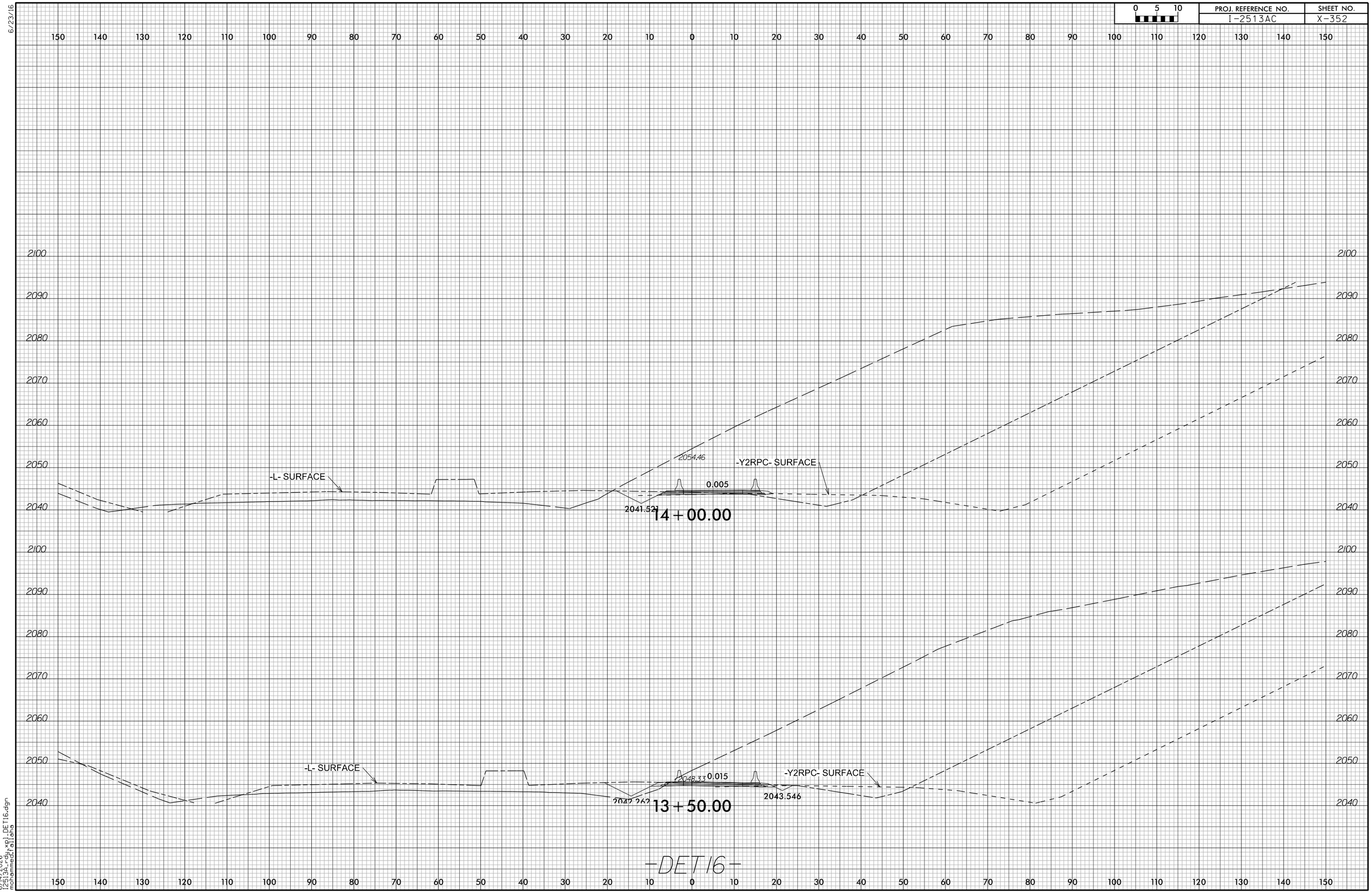
6/23/16

6/14/2026
I2513A_rdy_xpl_DET16.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET16.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET16.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-353

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2110 2100 2090 2080 2070 2060 2050 2040 2030

2062.88

-L- SURFACE

-Y2RPC- SURFACE

0.013

2040.04

15+00.00

2059.31

-L- SURFACE

-Y2RPC- SURFACE

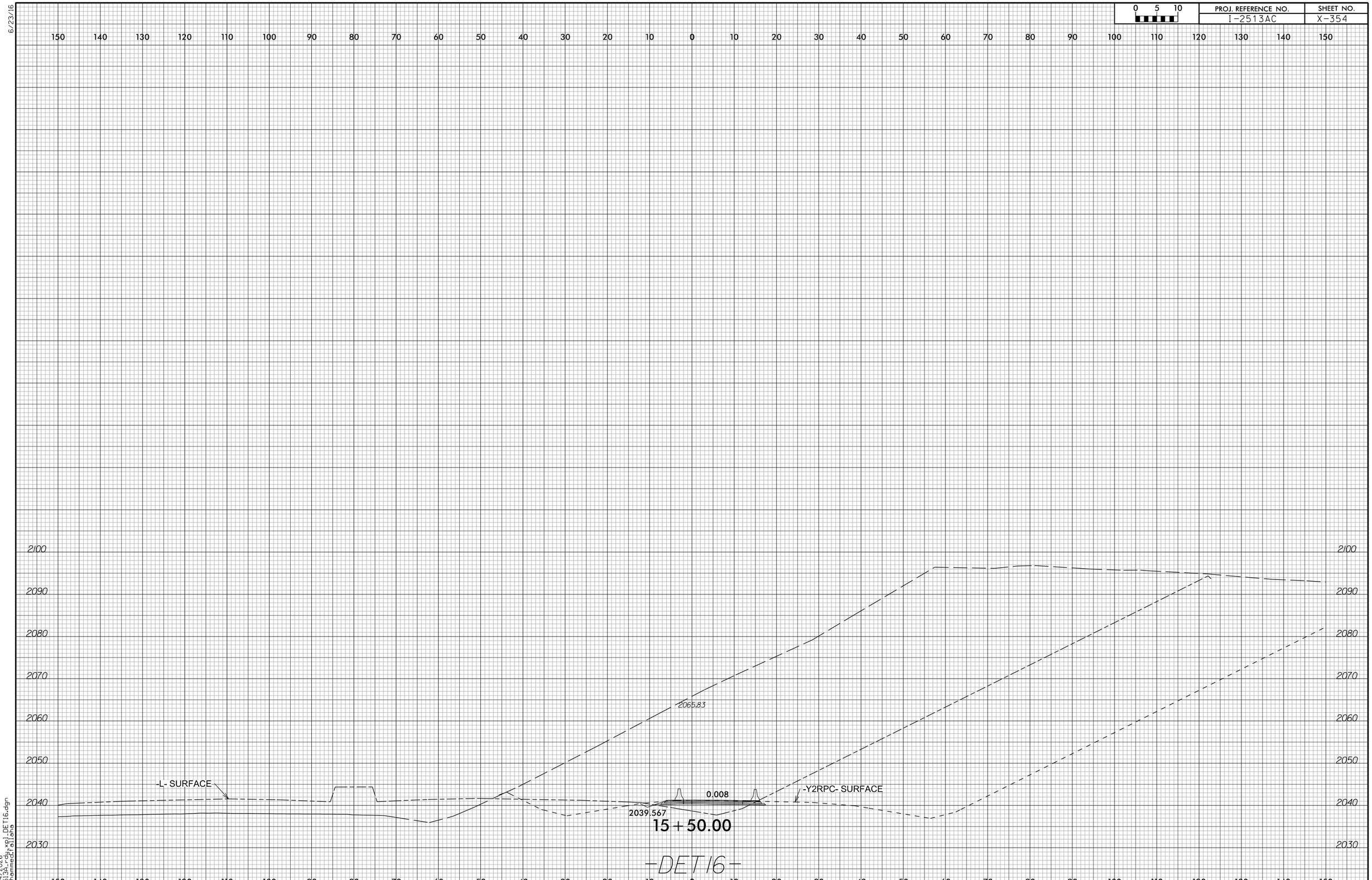
0.020

2040.781

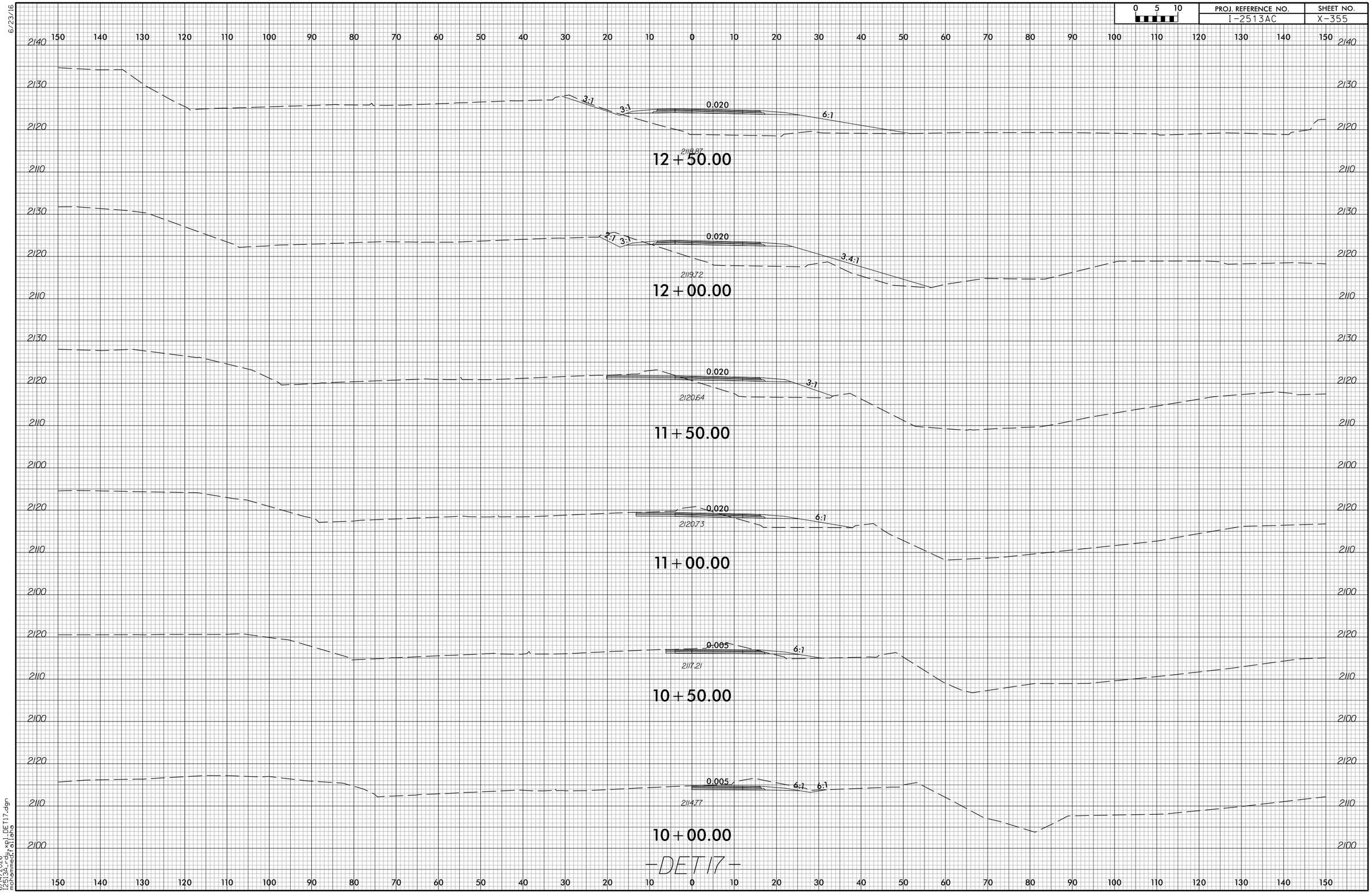
14+50.00

-DET16-

6/14/2026
P:\513ac\...\xsl_DET16.dgn
mohammed.alians



0 5 10
PROJ. REFERENCE NO.
I-2513AC
SHEET NO.
X-354
6/23/16
2100
2090
2080
2070
2060
2050
2040
2030
2065.83
-L- SURFACE
0.008
-Y2RPC- SURFACE
2039.567
15+50.00
-DET16-
6/14/2026
I2513A_rdy_xpl_DET16.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET17.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-356

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2130
2120
2110

3:1 3:1 0.020 6:1 6:1

2121.66

14+00.00

2130
2120
2110

3:1 0.020 6:1

2122.50

13+50.00

2130
2120
2110

3:1 0.020 6:1

2119.71

13+00.00

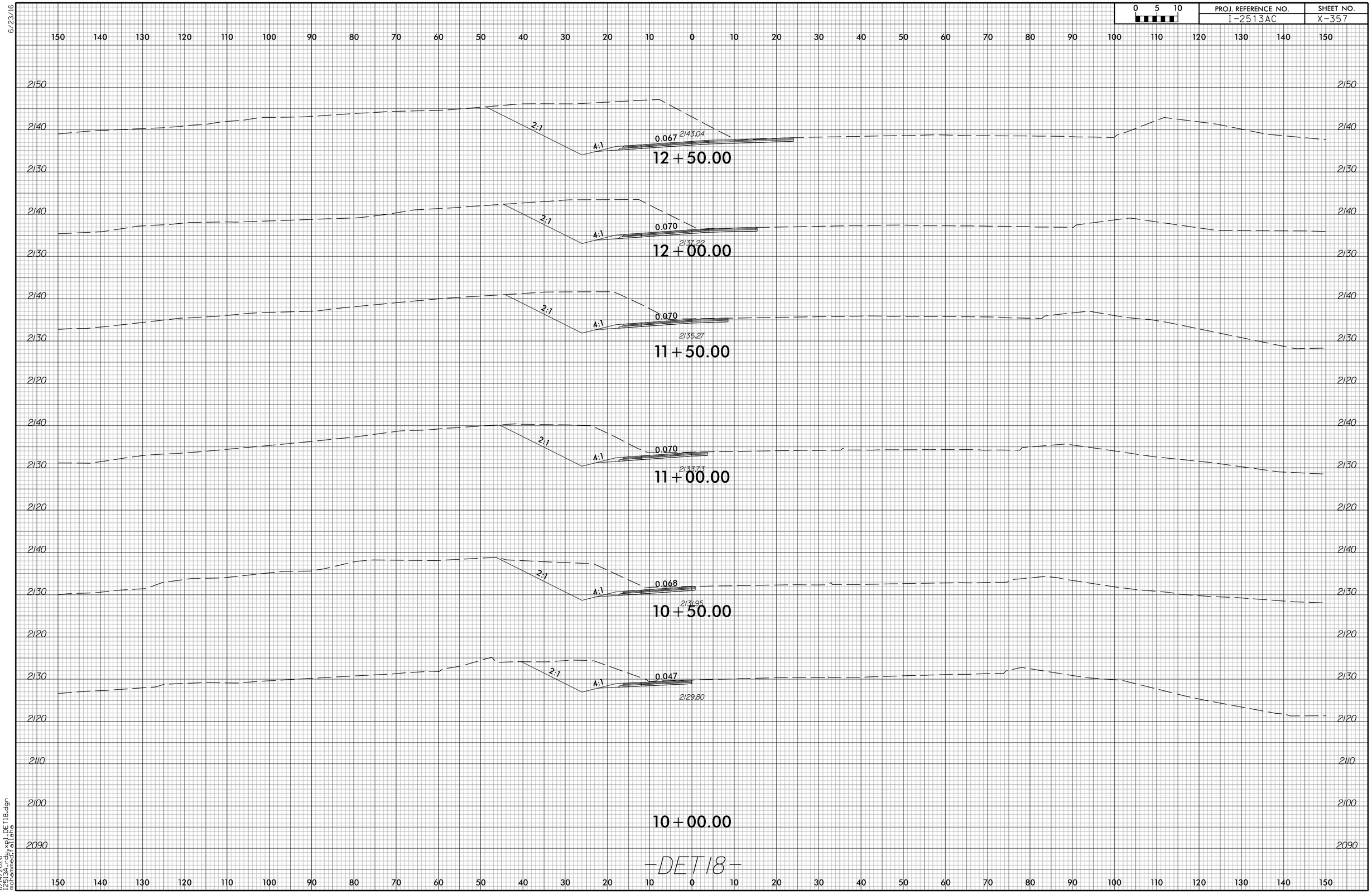
-DET17-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

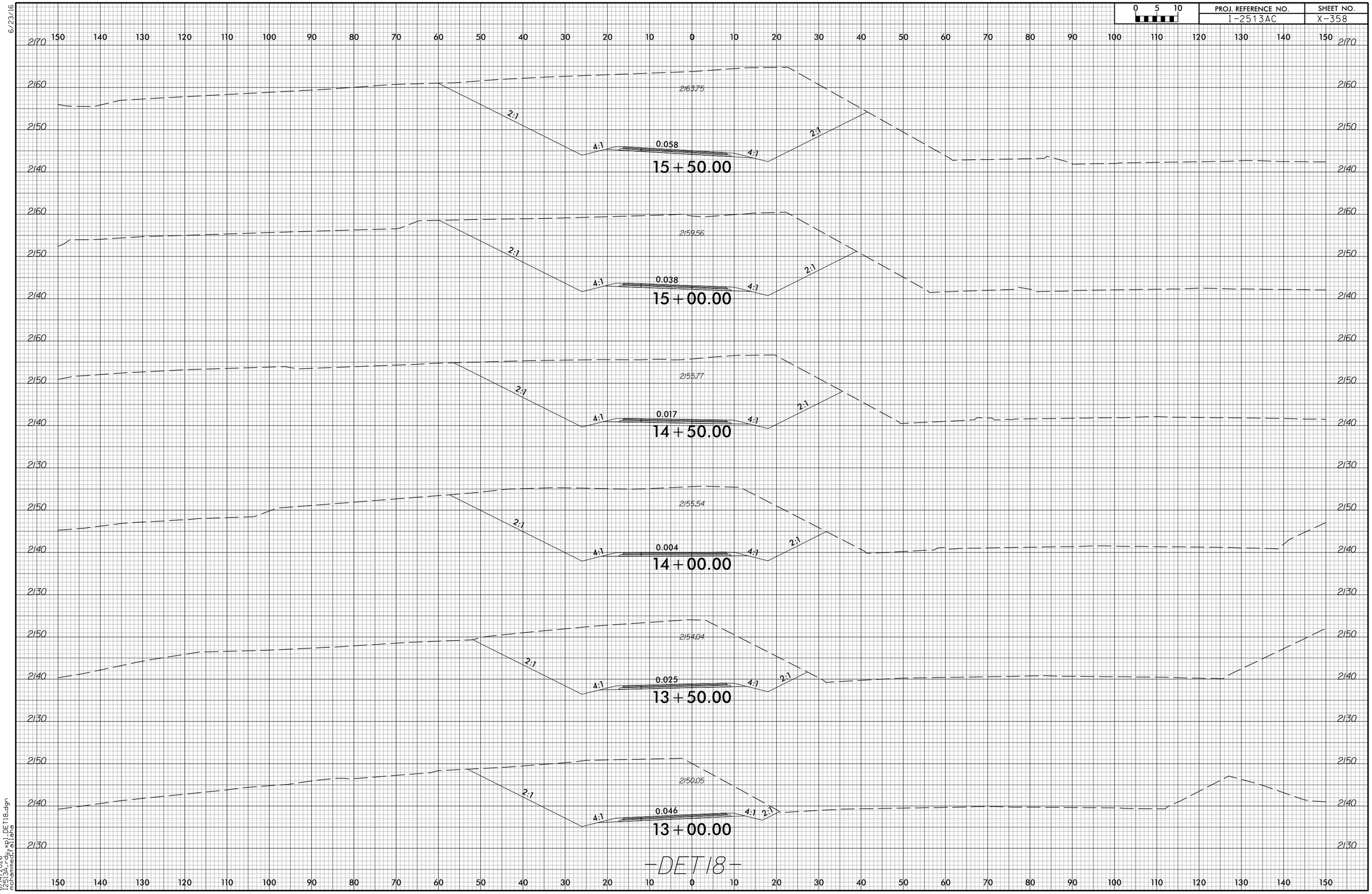
6/14/2026
I2513AC_Xsdy_xpl_DET17.dgn
mohammedf.allaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-357

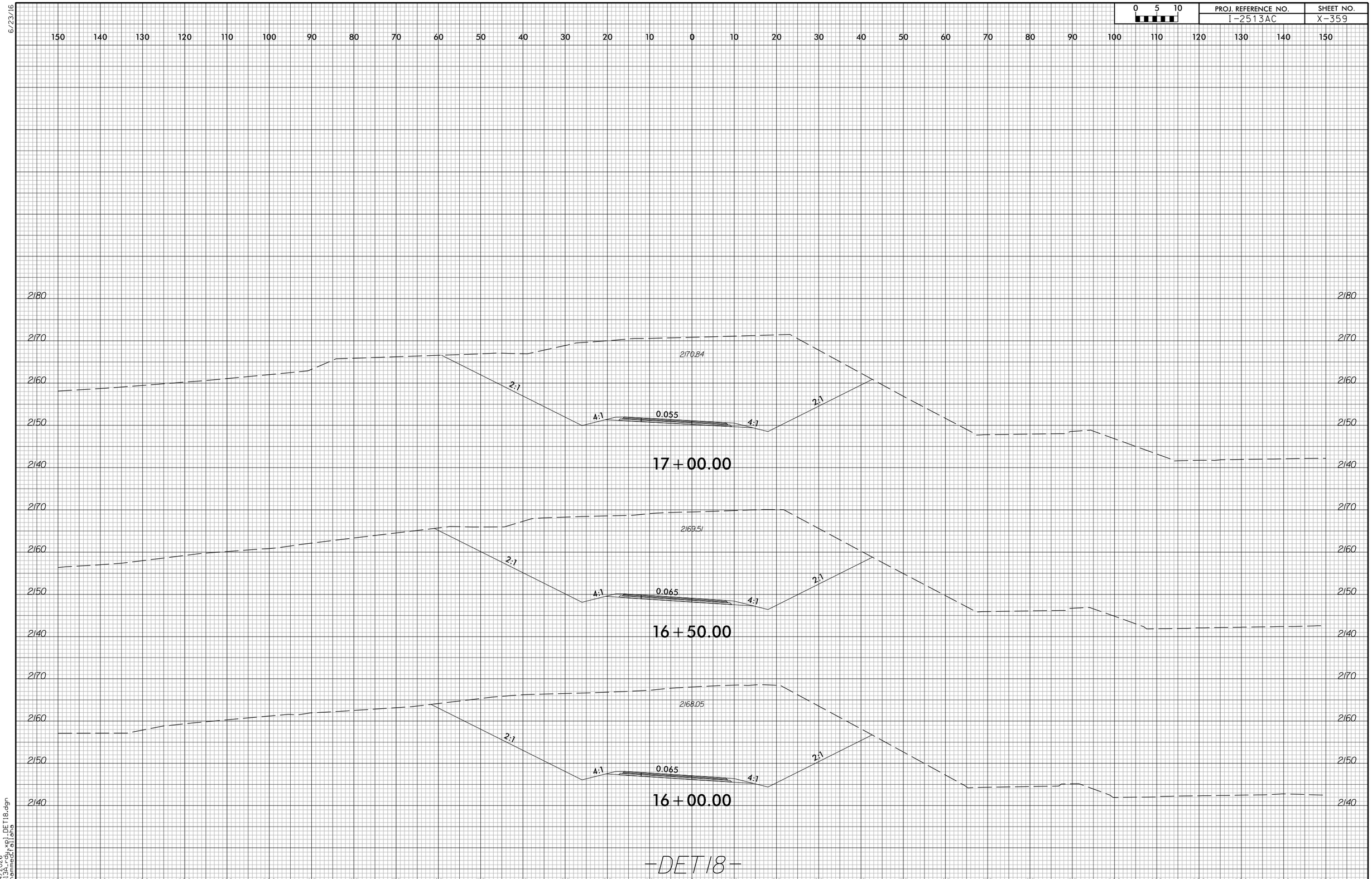


6/14/2026
P:\513ac\...\xsl_DET18.dgn
mohammed.rafiana



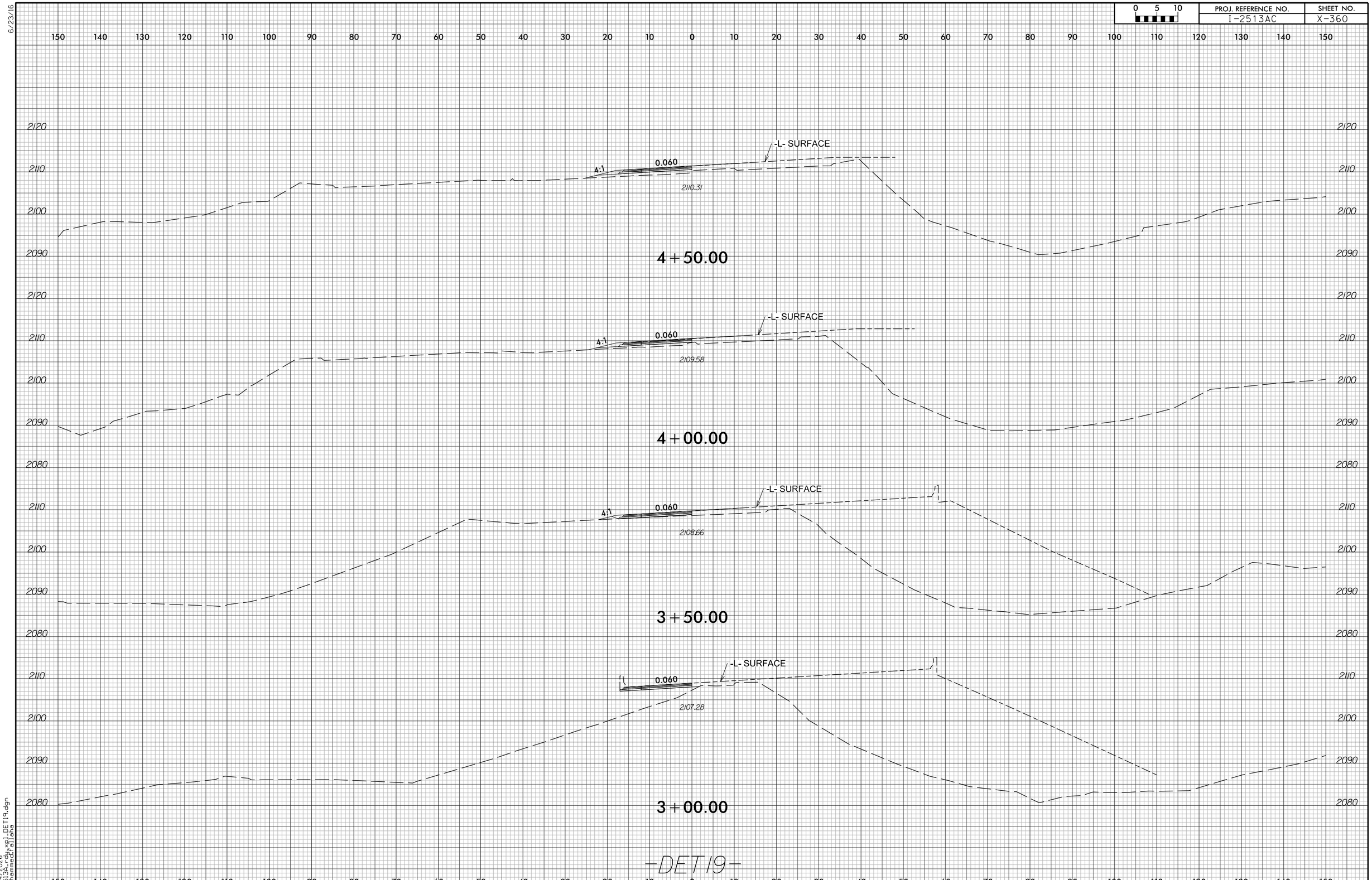
6/23/16

6/14/2026
I2513A_rdy_xpl_DET18.dgn
mohammed.fallaha



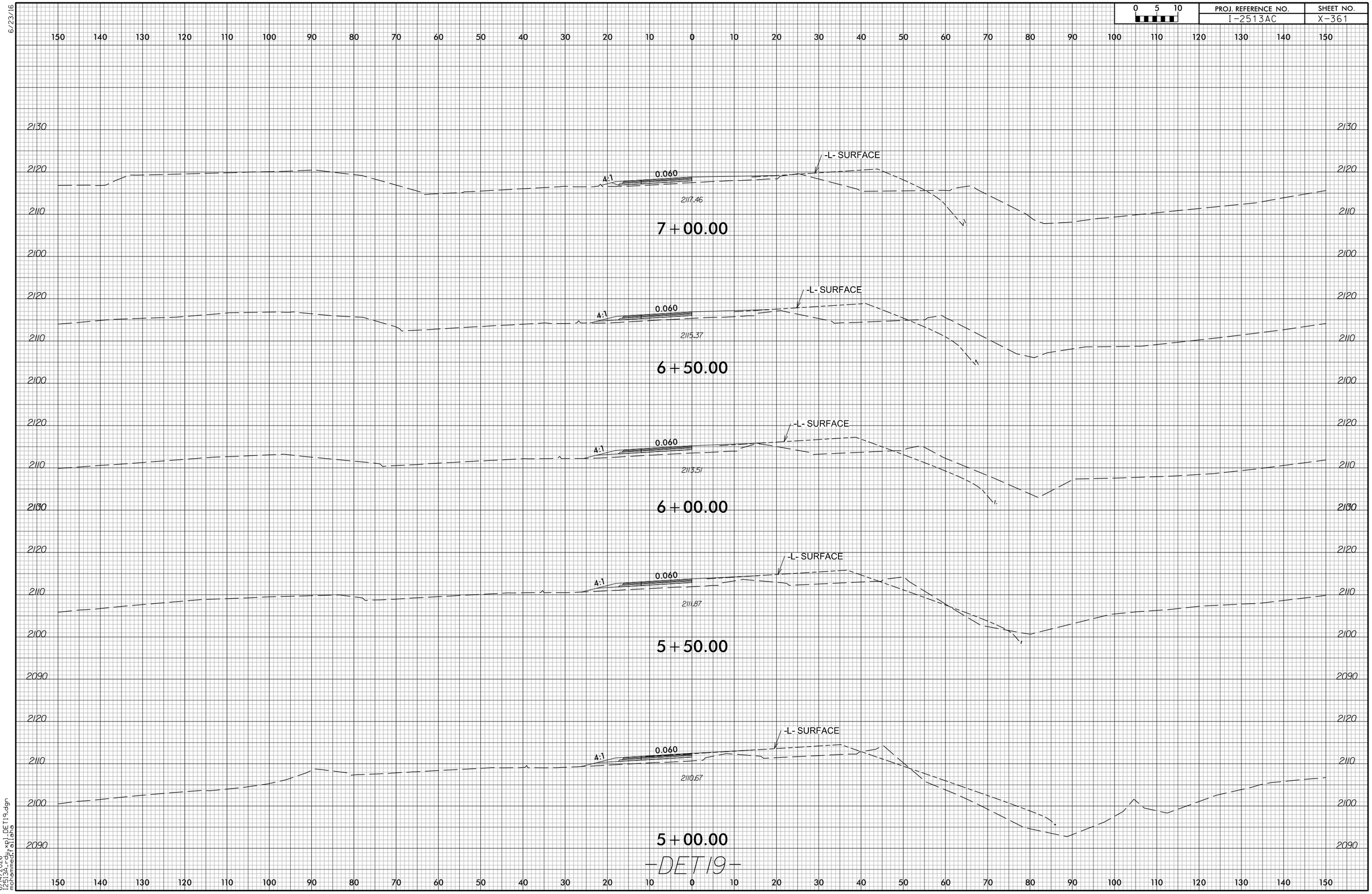
6/23/16

6/14/2026
I2513A_rdy_xpl_DET18.dgn
mohammed.fallaha



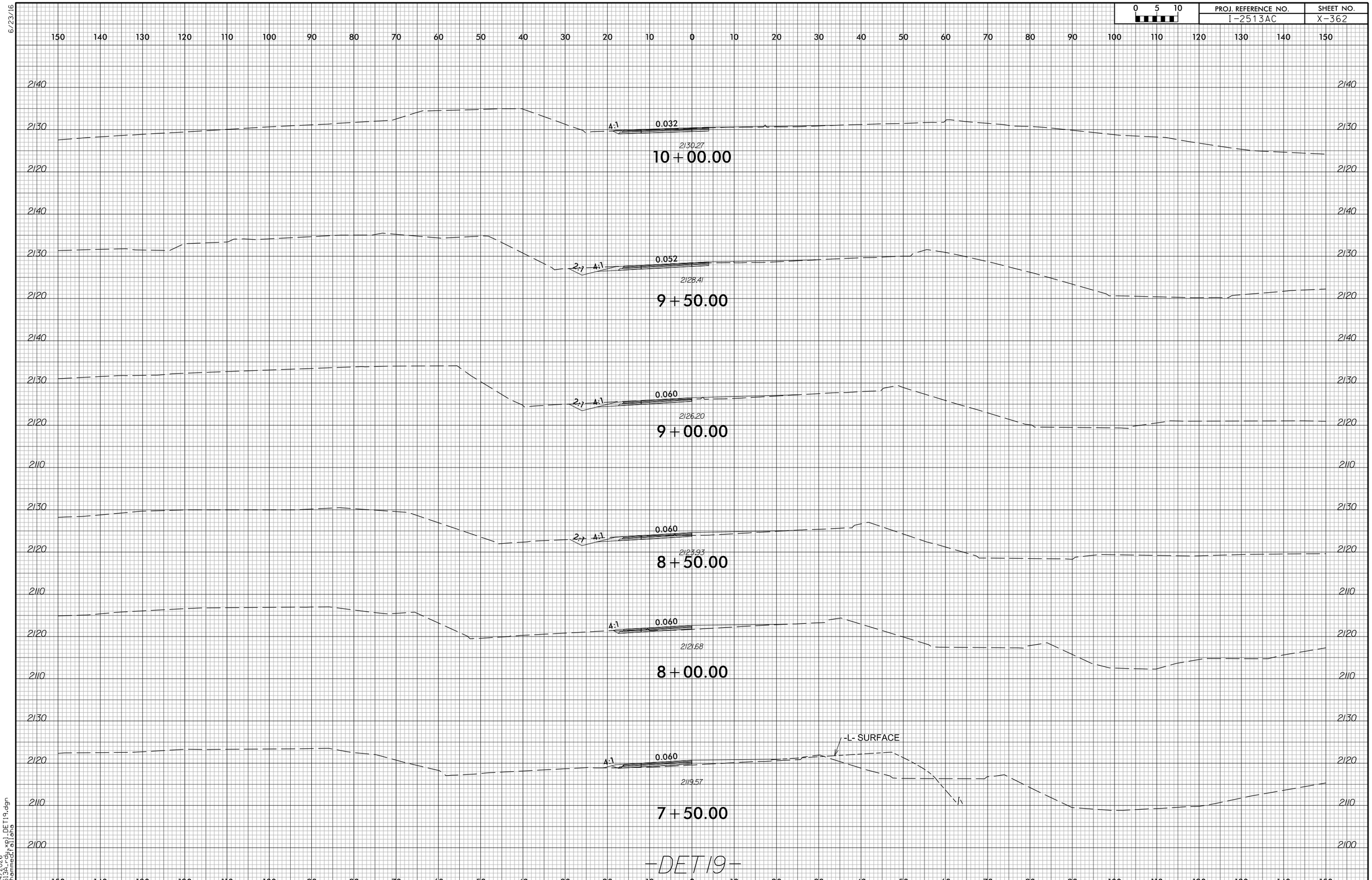
6/23/16

6/14/2026
I2513A_rdy_xpl_DET19.dgn
mohammed.fallaha



6/23/16

6/14/2026
12513A_rdy_xpl_DET19.dgn
mohammed.fallaha



6/23/16

6/14/2026
I2513A_rdy_xpl_DET19.dgn
mohammed.fallaha

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	I-2513AC	X-363

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2150
2140
2130
2120

2:1
4:1
0.053
2135.29
11+50.00

2:1
4:1
0.032
2133.70
11+00.00

4:1
0.020
2132.12
10+50.00

-DET19-

6/14/2026
I:\2513\ACAD\Ky to\DET19.dgn
mohammedf.allaha