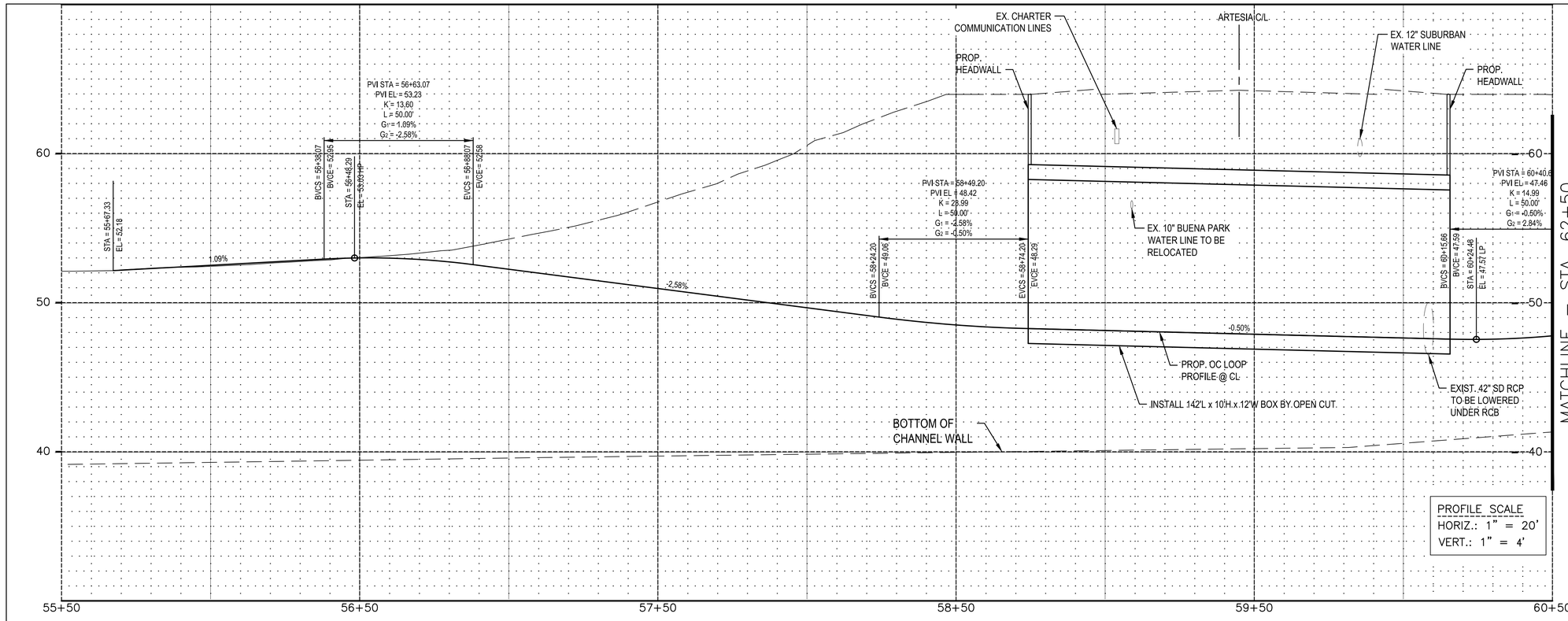
APPENDIX A5

2021 FOUR ALTERNATIVES CROSSINGS PRELIMINARY PLANS

Note: These are predesign drawings and subject to modification during design.



PROFILE SCALE
HORIZ.: 1" = 20'
VERT.: 1" = 4'

Note: These are predesign drawings and subject to modification during design.

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UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

DATE

DESIGNED BY:
DRAWN BY:
CHECKED BY:
DRAWING NO:
FILE NAME: 112067720-OC-Corn-Artesia_Box.dwg
PLOT DATE: ####
SCALE: AS SHOWN

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OC Public Works

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GHD Inc.
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F 1 949 648 5299
W www.ghd.com

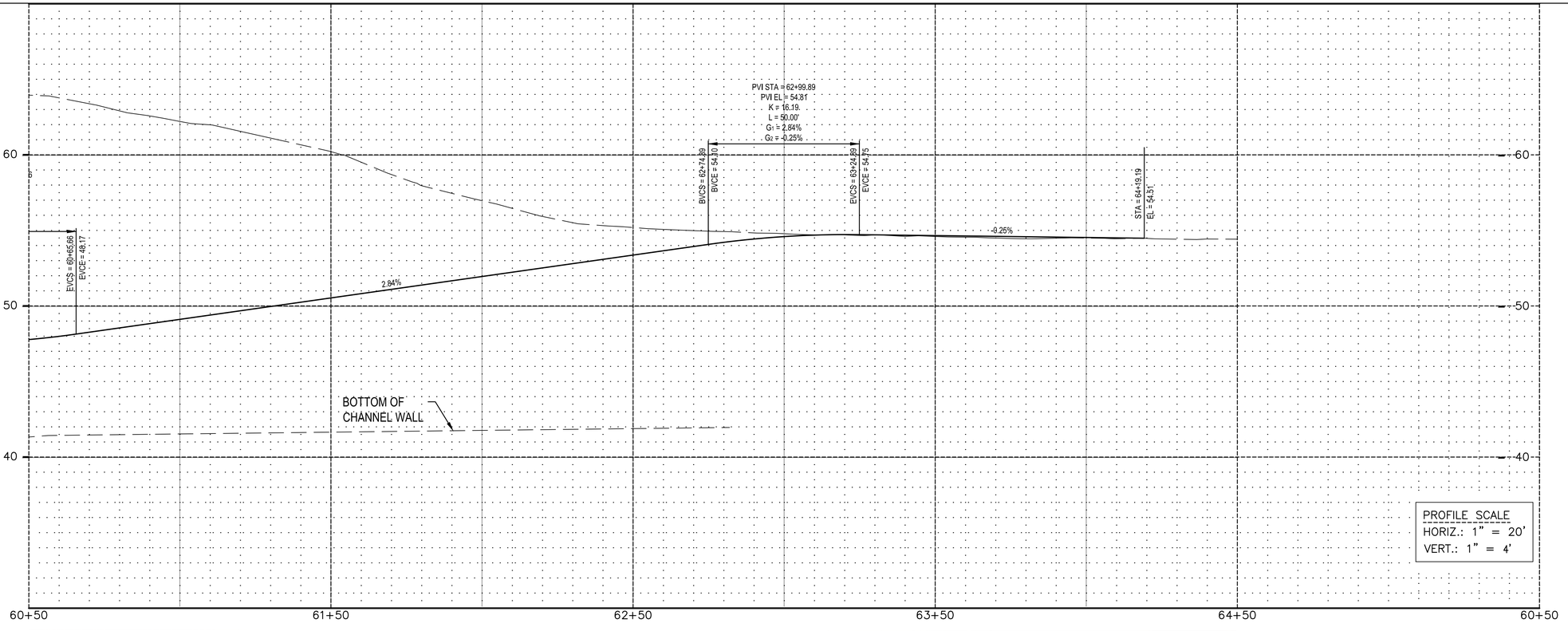
OC LOOP
SEGMENTS O, P, Q
STA 57+50 TO STA 62+50

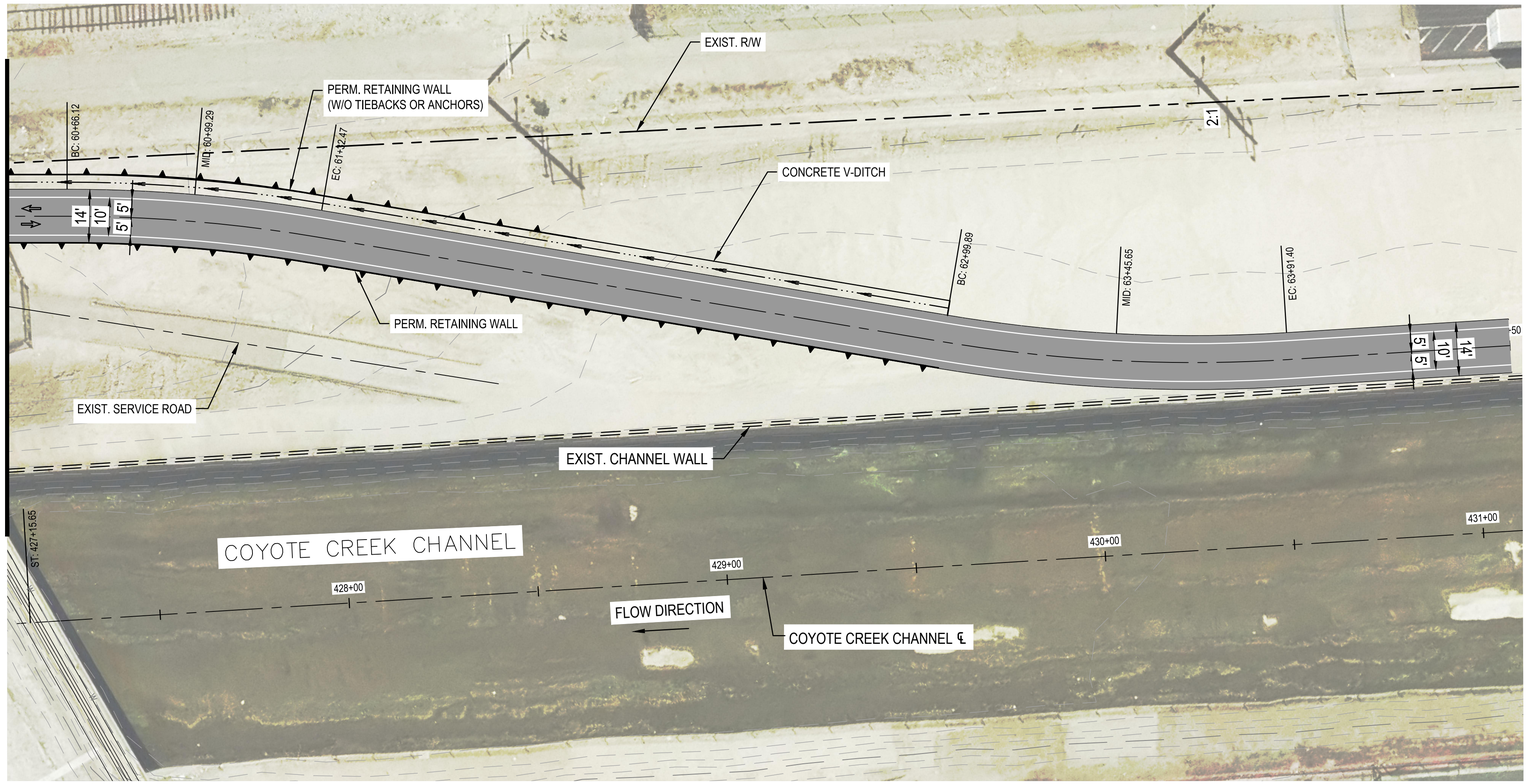
ARTESIA BLVD. UNDERCROSSING PLAN & PROFILE

SHEET

OF

Plotted By: Vince Cruz
Plot Date: 31 March 2021 - 11:02 AM
Filename: \\ghdnet\ghd\US\Irvine\Projects\65\11126772\Digital_Design\ACAD 2018\Civil 3D\112067720-OC-Corn-Artesia_Box.dwg





Note: These are predesign drawings and subject to modification during design.

0 10' 20' 40'
SCALE: 1" = 20'

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COUNTY OF ORANGE CALIFORNIA

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DATE

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DRAWING NO:
FILE NAME: 112267724-OC-Con-Artesia_Box.dwg
PLOT DATE: ####
SCALE: AS SHOWN

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OC LOOP
SEGMENTS O, P, Q
STA 57+50 TO STA 62+50

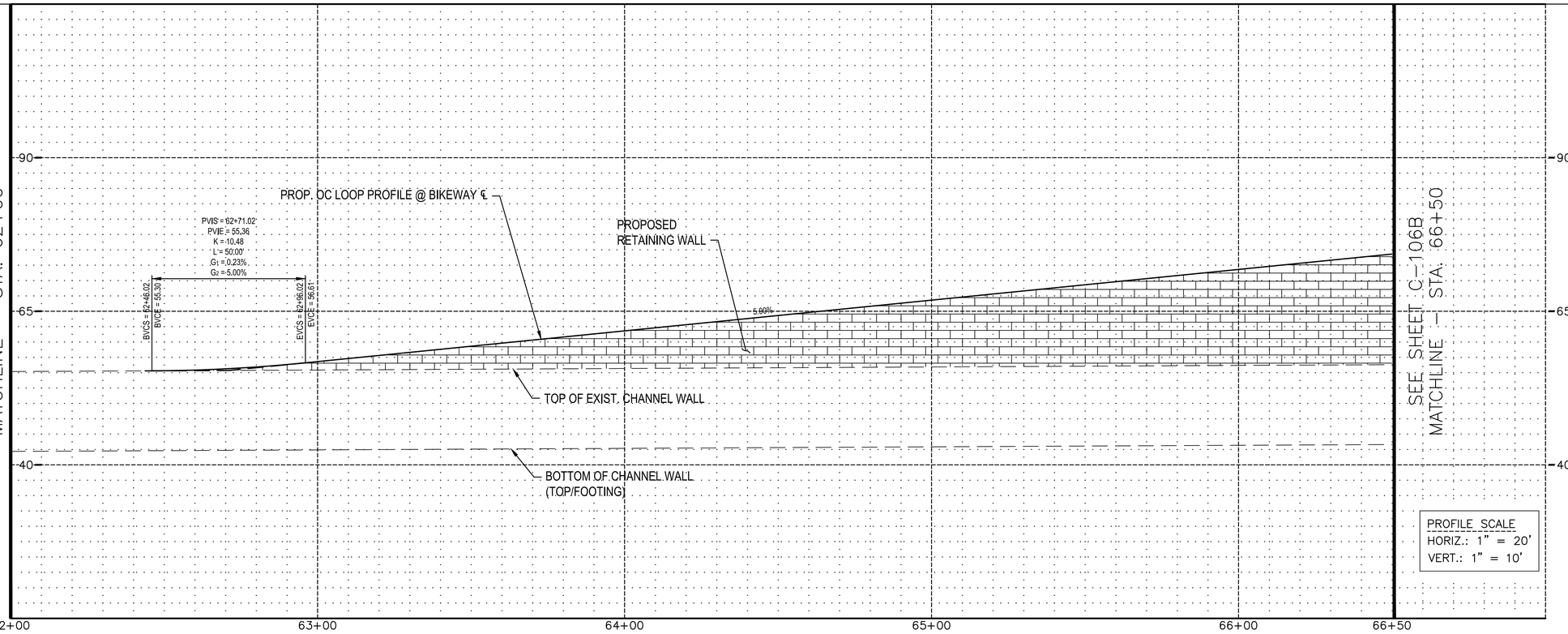
ARTESIA BLVD. UNDERCROSSING PLAN & PROFILE

SHEET

OF

Filename: \\ghdnet\ghd\US\Irvine\Projects\85\11\26\72\Digital_Design\ACAD 2018\Civil 3D\112267724-OC-Con-Artesia_Box.dwg
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Plot Date: 31 March 2021 - 11:01 AM

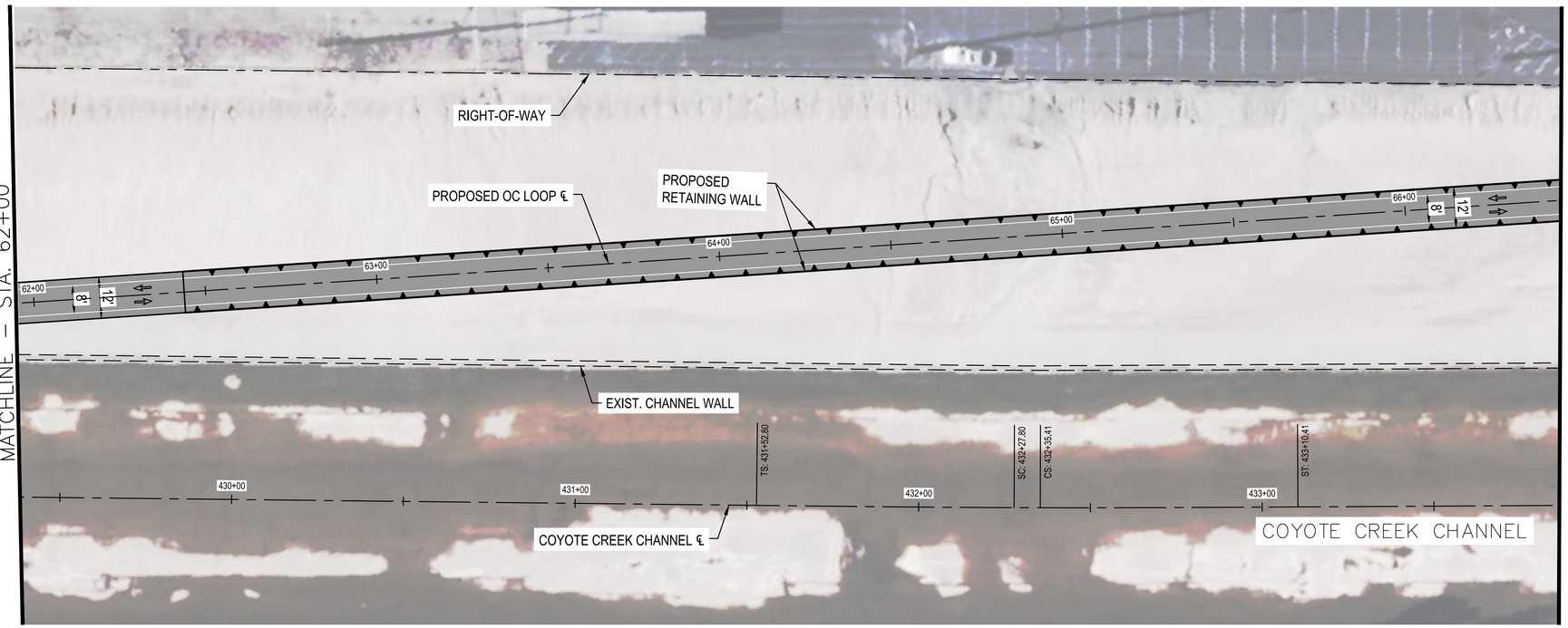
SEE ARTESIA BLVD. UNDERCROSSING PLAN
MATCHLINE – STA. 62+00



SEE SHEET C-106B
MATCHLINE – STA. 66+50

PROFILE SCALE
HORIZ.: 1" = 20'
VERT.: 1" = 10'

SEE ARTESIA BLVD. UNDERCROSSING PLAN
MATCHLINE – STA. 62+00



SEE SHEET C-106B
MATCHLINE – STA. 66+50

Note: These are predesign drawings and subject to modification during design.

0 10' 20' 40'

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CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

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DESIGNED BY:
DRAWN BY:
CHECKED BY:
DRAWING NO: C-106
FILE NAME: 112067/2-DC-Corr-UP-Overcrossing-switchback.dwg
PLOT DATE: ####
SCALE: AS SHOWN

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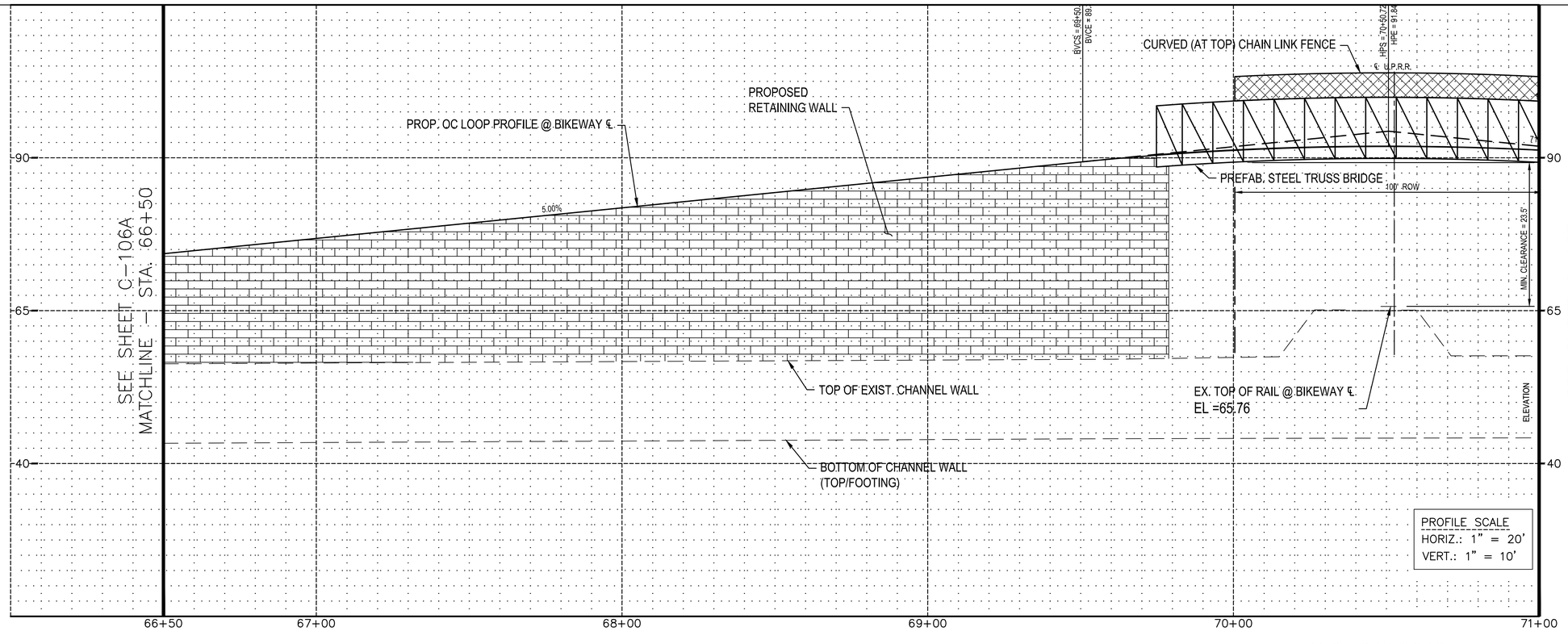
PREPARED BY:
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Irvine California 92618 USA
T 1 949 648 3200
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W www.ghd.com

OC LOOP
SEGMENTS O, P, Q
STA 68+50 TO STA 73+50

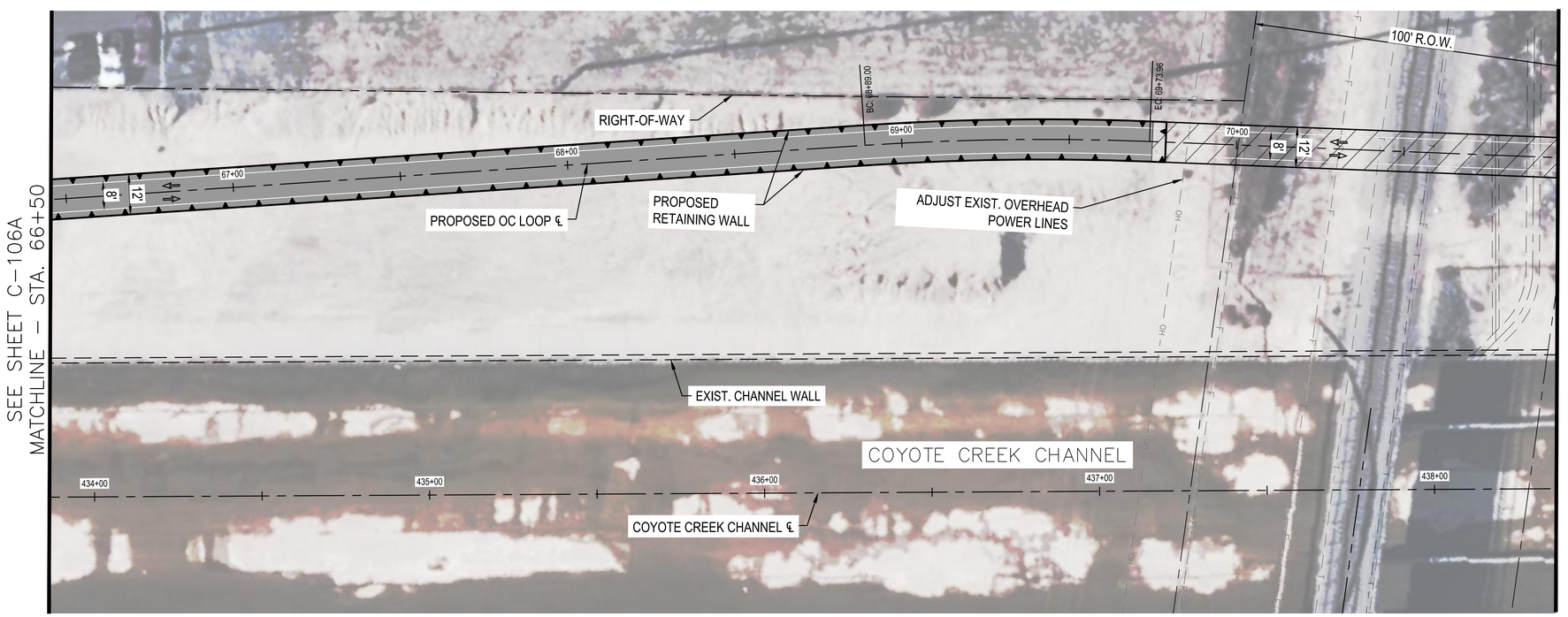
UPRR OVERCROSSING
1 OF 3

SHEET
C-106A
6 OF 15

Plotted By: Myung Choo
Plot Date: 12 July 2021 - 5:05 PM
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MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

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DESIGNED BY:
DRAWN BY:
CHECKED BY:

DRAWING NO.: C-106
FILE NAME: 112067720C-Corr-UP-Overcrossing-switchback.dwg
PLOT DATE: ####
SCALE: AS SHOWN

County of Orange
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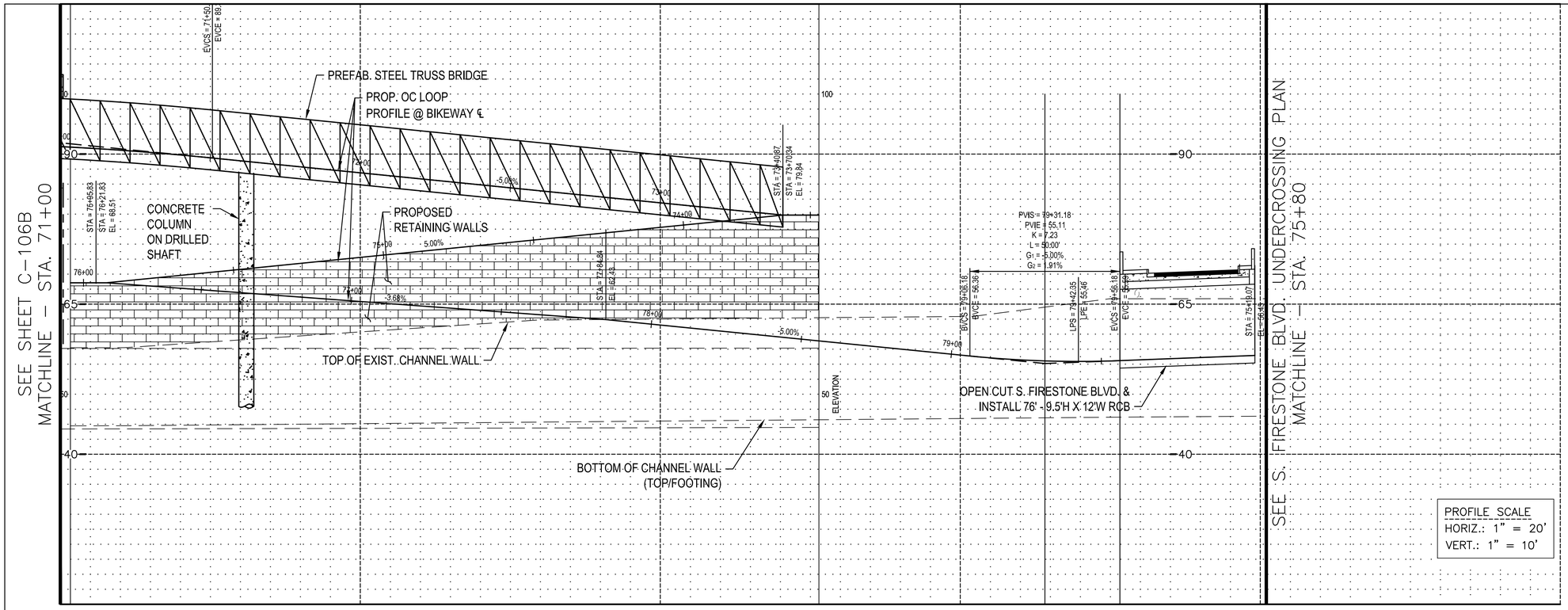
PREPARED BY:
GHD Inc.
2000 Main Street, Fifth Floor, Suite 200
Irvine California 92618 USA
T 1 949 648 5200
F 1 949 648 5299
W www.ghd.com

OC LOOP
SEGMENTS O, P, Q
STA 68+50 TO STA 73+50

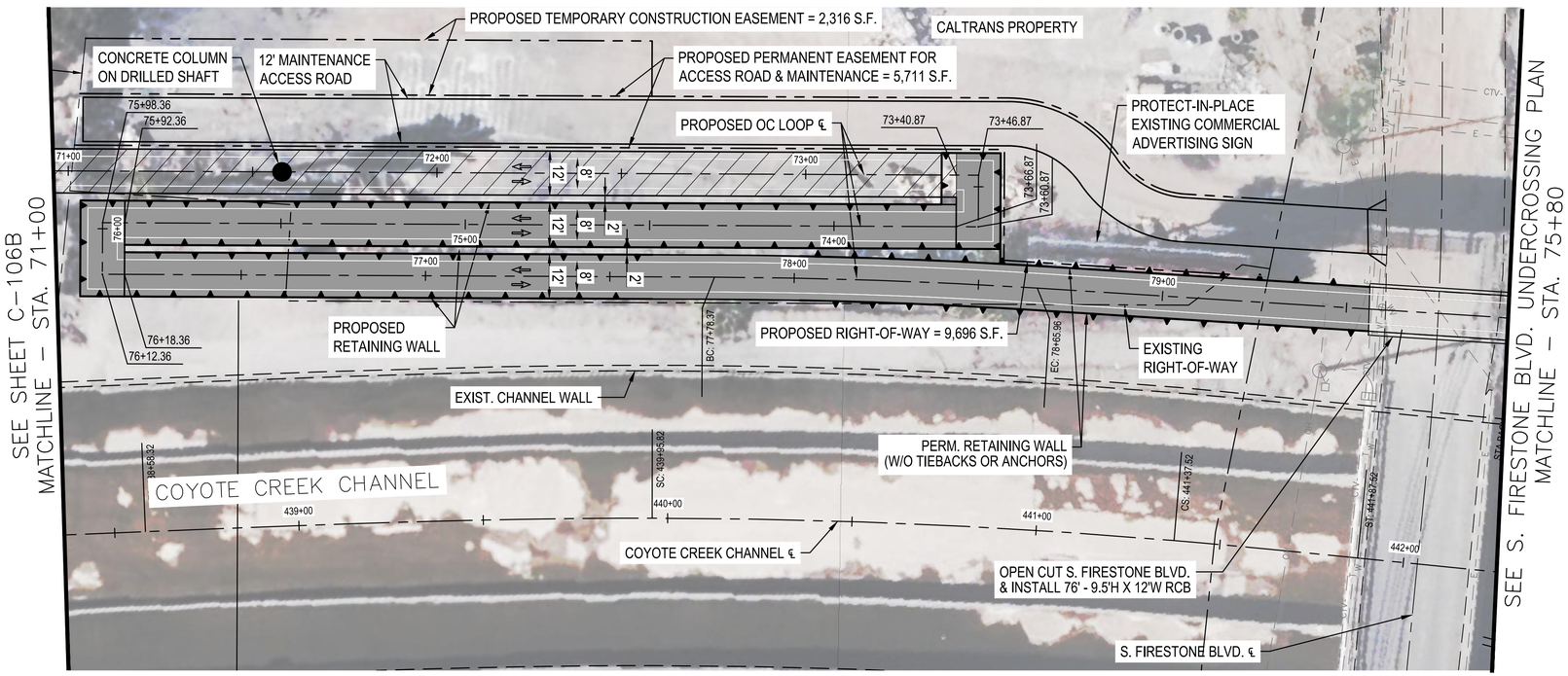
UPRR
OVERCROSSING
2 OF 3

SHEET
C-106B
6 OF 15

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Plotted By: Myung Choo
Plot Date: 12 July 2021 - 5:05 PM



S. FIRESTONE BLVD.



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0 10' 20' 40'

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MARK	DESCRIPTION	DATE	APPR.

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DESIGNED BY:
DRAWN BY:
CHECKED BY:
DRAWING NO: C-106
FILE NAME: 112067/72-DC-Corr-UP-Overcrossing-switchback.dwg
PLOT DATE: ####
SCALE: AS SHOWN

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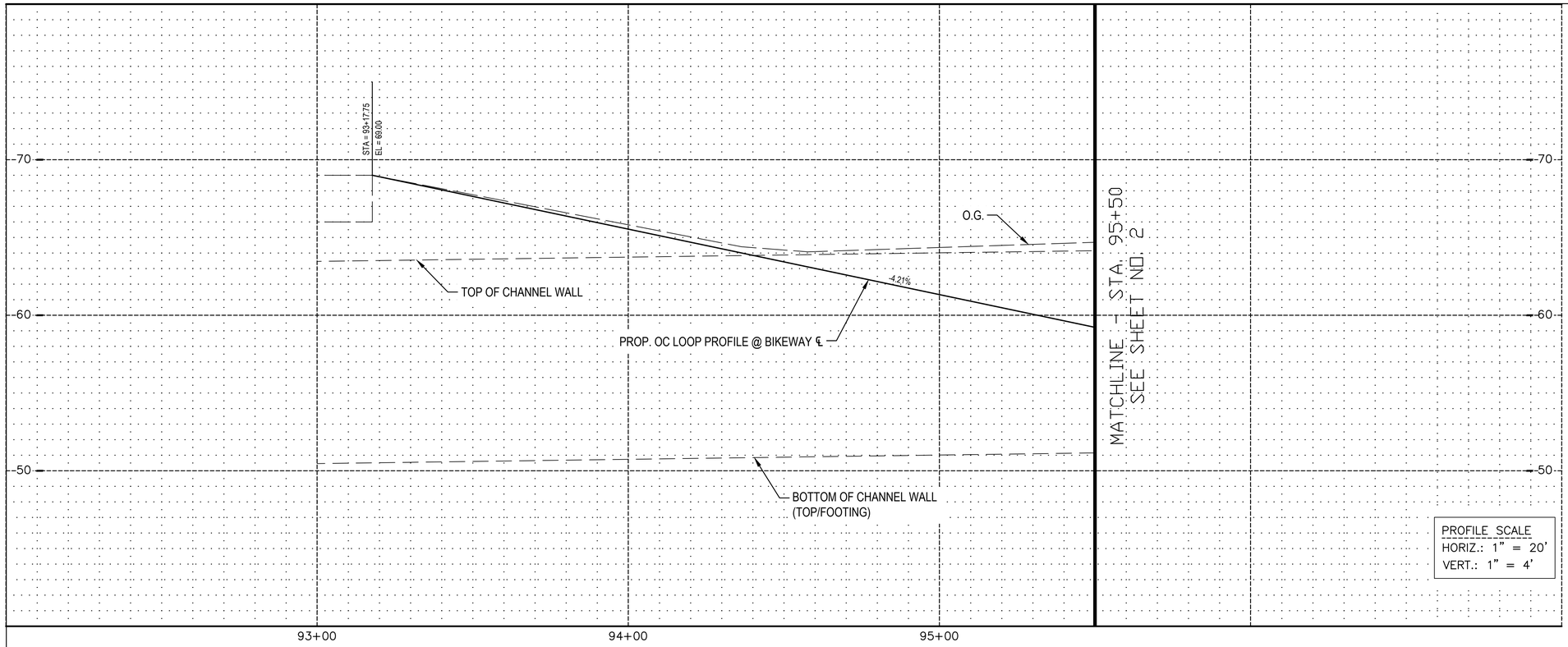
PREPARED BY:
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Irvine California 92618 USA
T 1 949 646 5200
F 1 949 648 5299
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OC LOOP
SEGMENTS O, P, Q
STA 68+50 TO STA 73+50

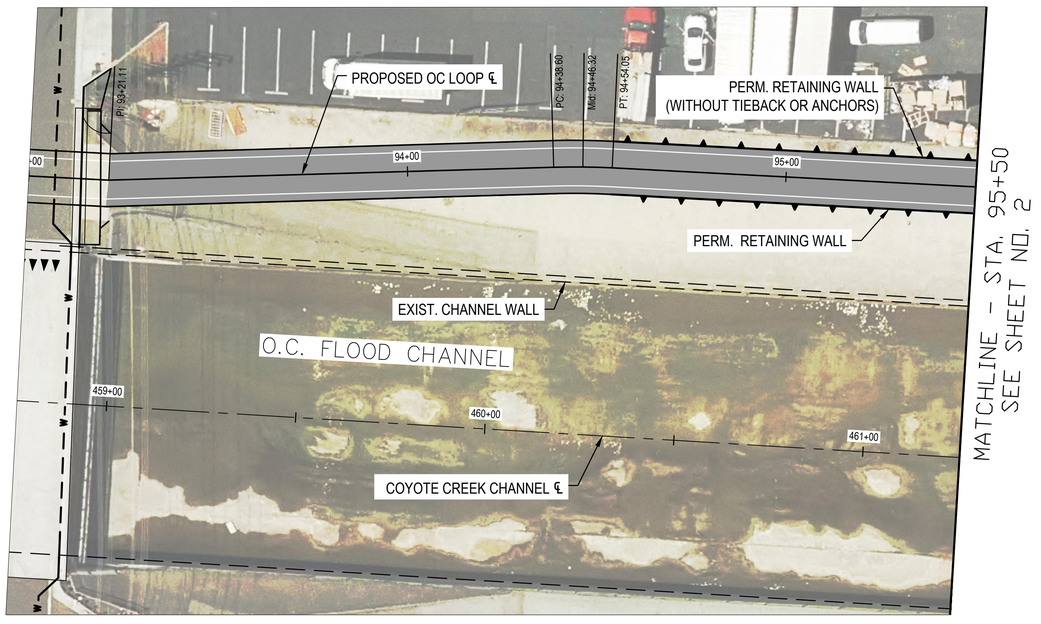
UPRR
OVERCROSSING
3 OF 3

SHEET
C-107
6 OF 15

Plotted By: Myung Choo
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Plot Date: 12 July 2021 - 5:05 PM



PROFILE SCALE
HORIZ.: 1" = 20'
VERT.: 1" = 4'



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N

0 10' 20' 40'

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MARK	DESCRIPTION	DATE	APPR.

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DESIGNED BY: ####
DRAWN BY: ####
CHECKED BY: ####
DRAWING NO: #####
PLOT DATE: ####
SCALE: AS SHOWN
FILE NAME: 11208772-AR1-BNSFfrntLead.dwg

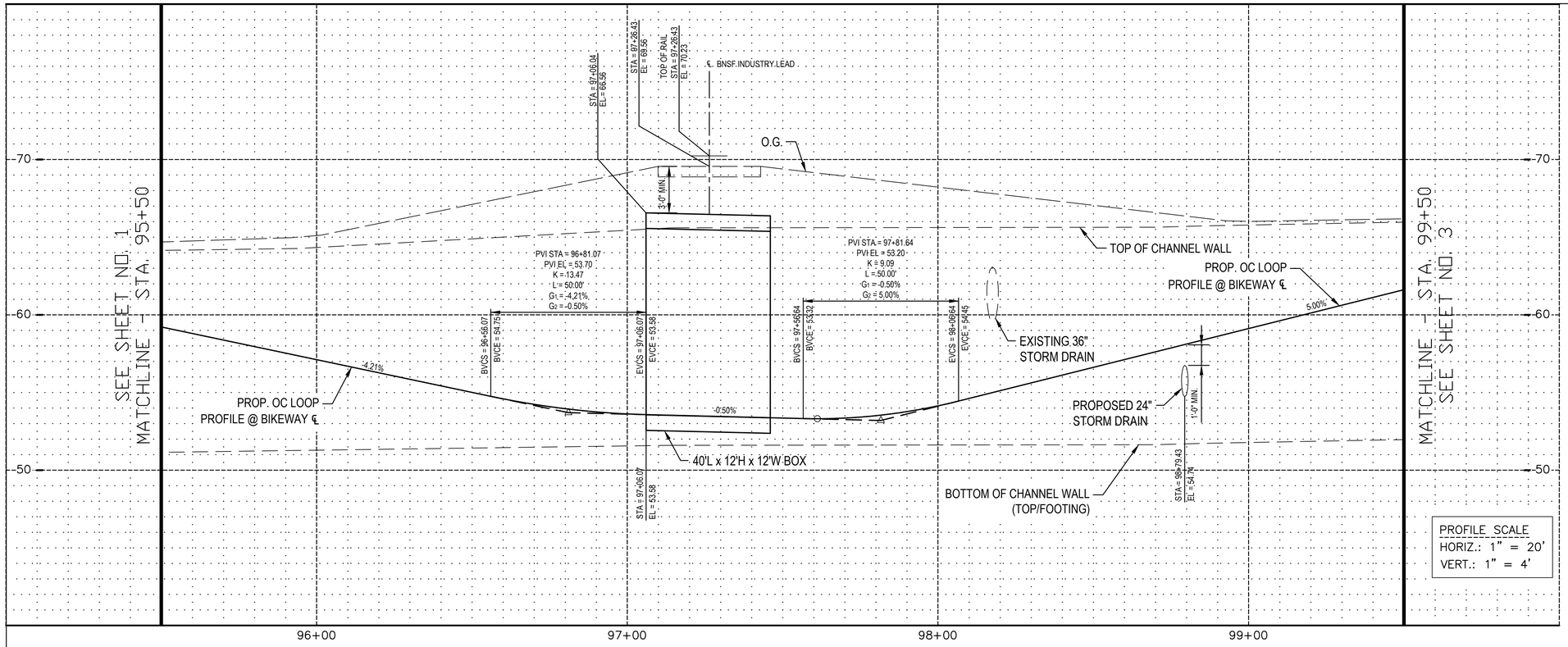
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OC Public Works

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Irvine California 92618 USA
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ALTERNATIVE BNSF INDUSTRY LEAD AT-GRADE CROSSING

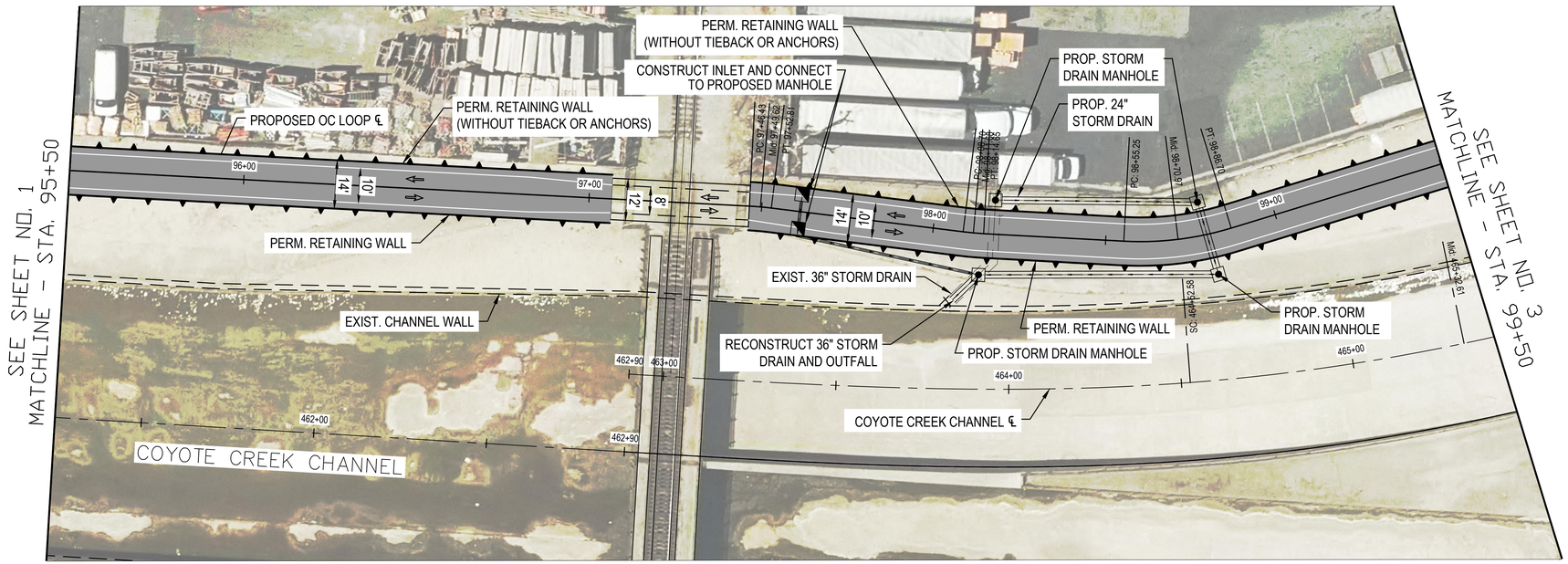
SHEET
1 OF 3

Plot Date: 2 July 2021 - 11:47 AM
Plotted By: Myung Choo
Filename: N:\US\Irvine\Projects\65\11208772\Digital_Design\ACAD 2016\Figures\11208772-AR1-BNSFfrntLead.dwg



PROFILE SCALE
HORIZ.: 1" = 20'
VERT.: 1" = 4'

B.N.S.F. INDUSTRY LEAD TRACK



Note: These are predesign drawings and subject to modification during design.

0 10' 20' 40'

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CALIFORNIA

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DRAWING NO: ######
SCALE: AS SHOWN
FILE NAME: 11260772-A41-BNSFIndLead.dwg
PLOT DATE: ####

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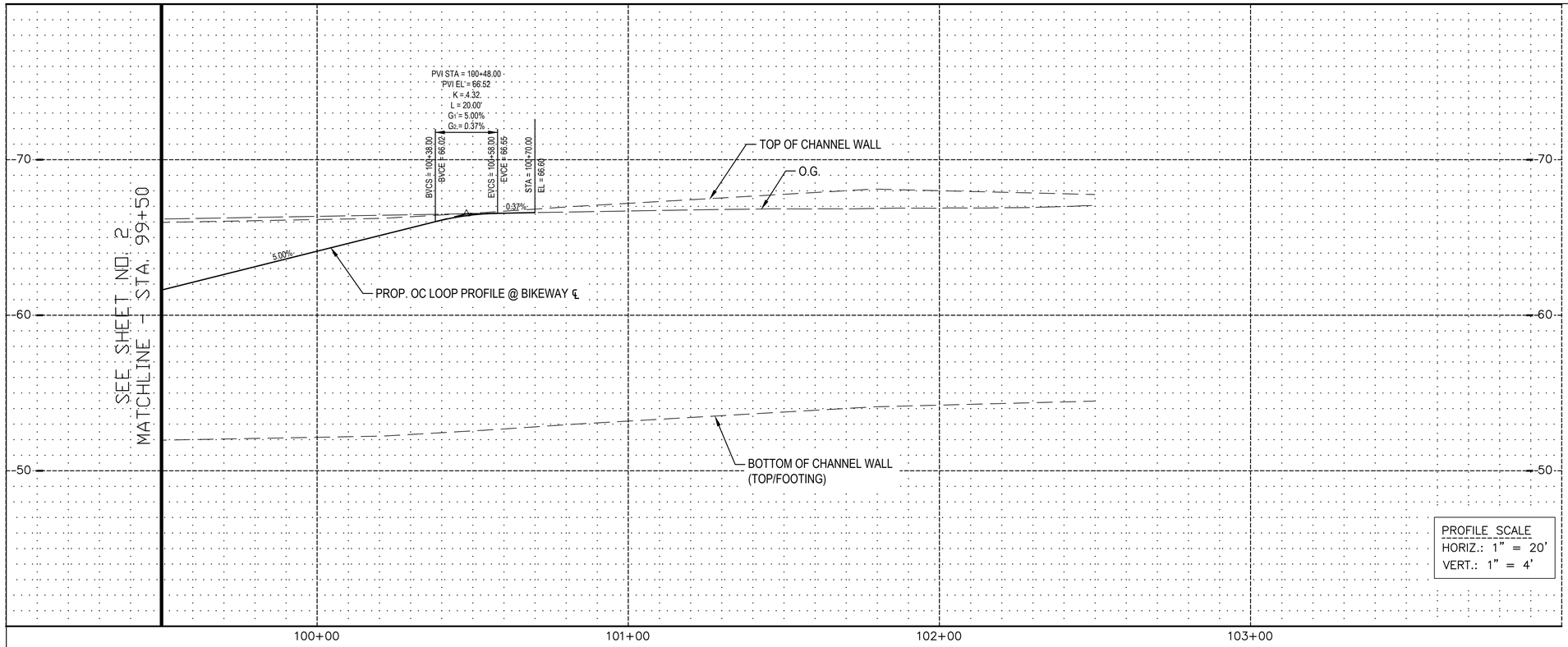
PREPARED BY:
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Irvine California 92618 USA
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W www.ghd.com

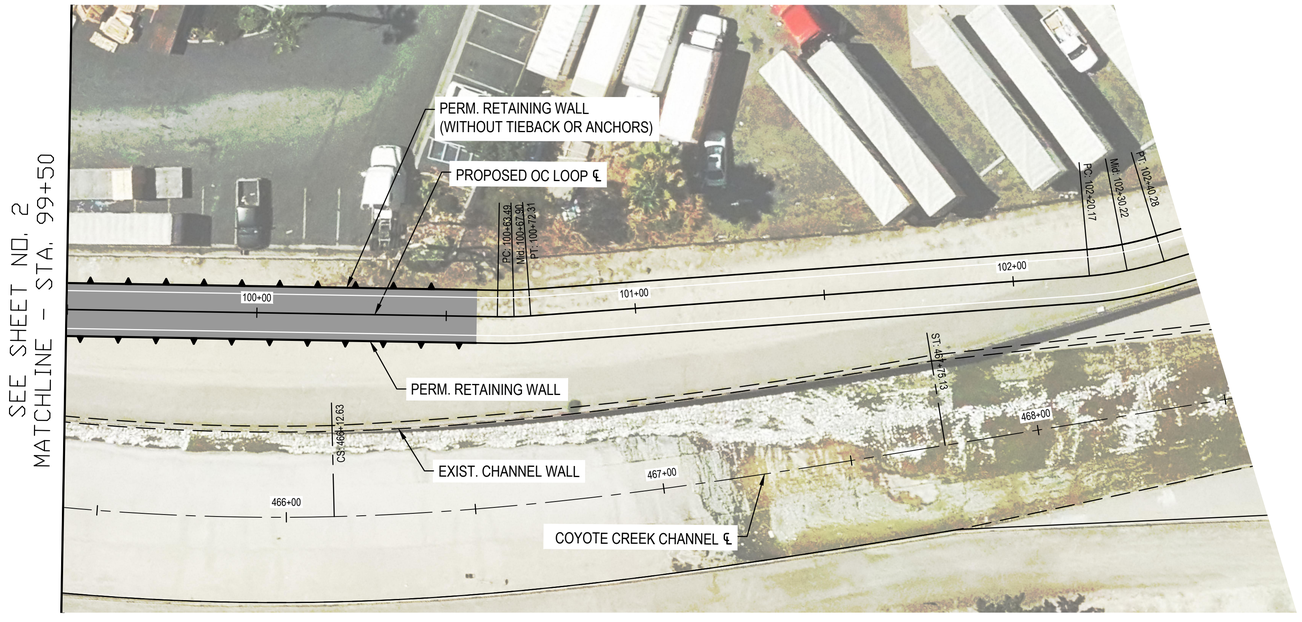
GHD

ALTERNATIVE BNSF INDUSTRY LEAD AT-GRADE CROSSING

SHEET
2 OF 3

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Plotted By: Myung Choo
Plot Date: 2 July 2021 - 11:47 AM





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0 10' 20' 40'

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MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

DATE

DESIGNED BY: ####
DRAWN BY: ####
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SCALE: AS SHOWN

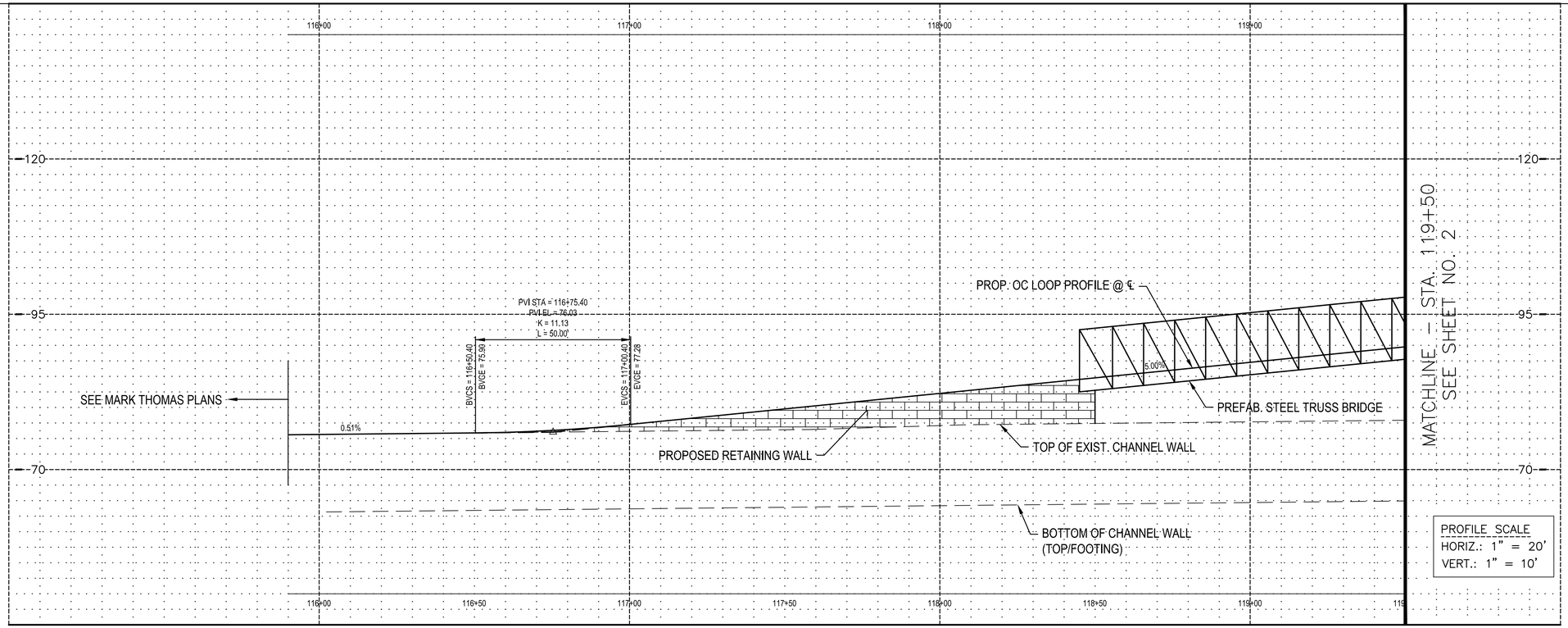
County of Orange
OC Public Works

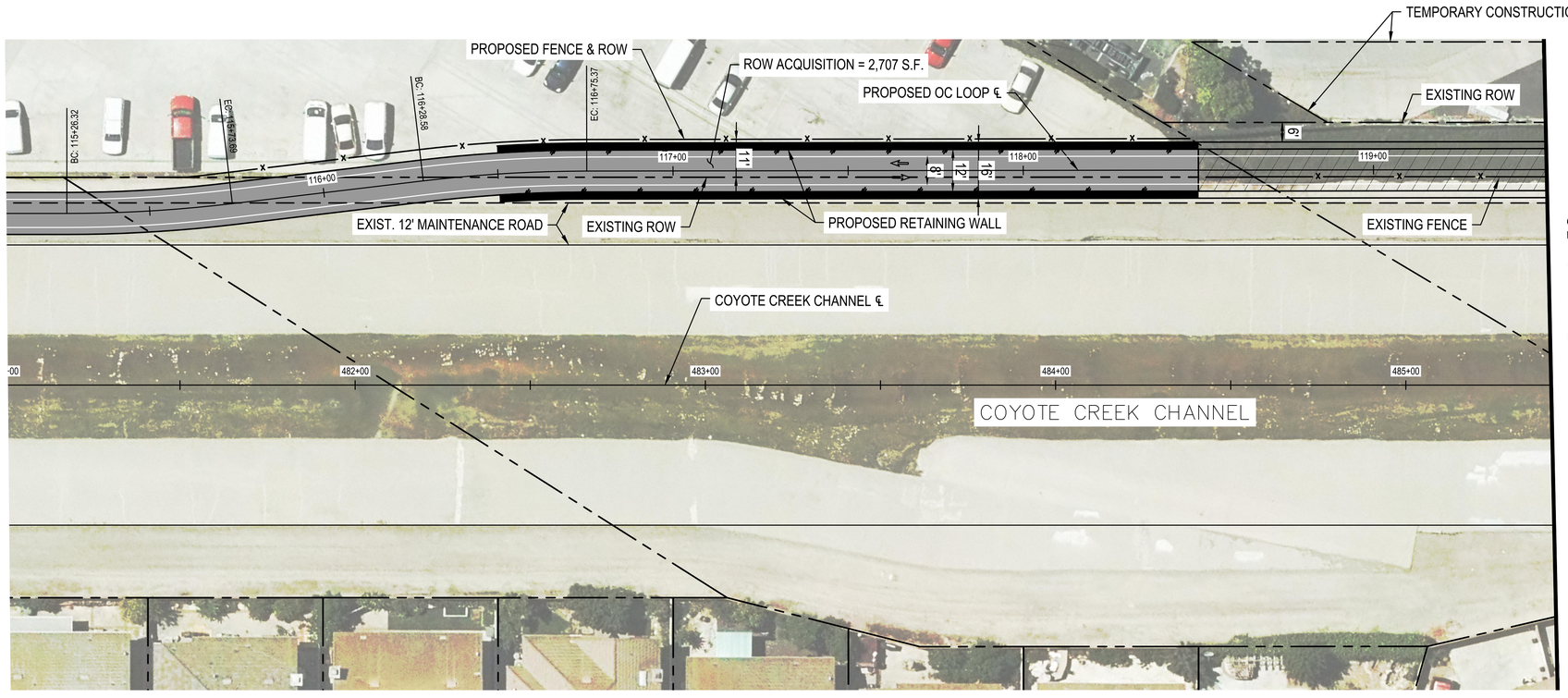
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ALTERNATIVE BNSF INDUSTRY LEAD AT-GRADE CROSSING

SHEET
3 OF 3

Plot Date: 2 July 2021 - 11:47 AM
Plotted By: Myung Choo
Filename: N:\US\Irvine\Projects\69\11208772\Digital_Design\ACAD 2016\Figures\11208772-A41-BNSFIndLead.dwg





Note: These are predesign drawings and subject to modification during design.

0 10' 20' 40'

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COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

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DESIGNED BY:
DRAWN BY:
CHECKED BY:
DRAWING NO: C-111
FILE NAME: 115267-20-Corr-BNSF-Overcrossing-Dtag.dwg
PLOT DATE: ####
SCALE: AS SHOWN

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Irvine California 92618 USA
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F 1 949 648 5299
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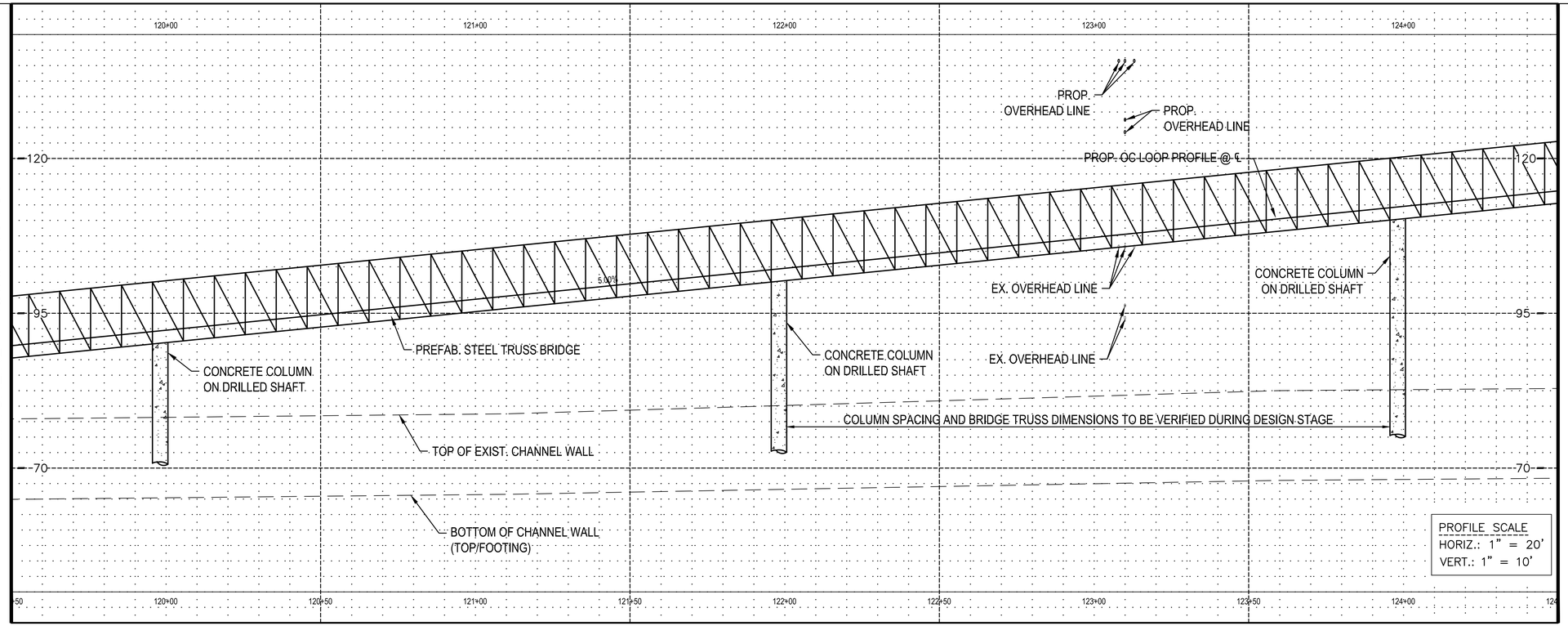
OC LOOP
SEGMENTS O, P, Q
STA 116+10 TO STA 119+50

BNSF/METRO & STAGE ROAD CROSSING

SHEET
C-109
1 OF 6

Plotted By: Myung Choo
Plot Date: 4 August 2021 - 10:03 AM
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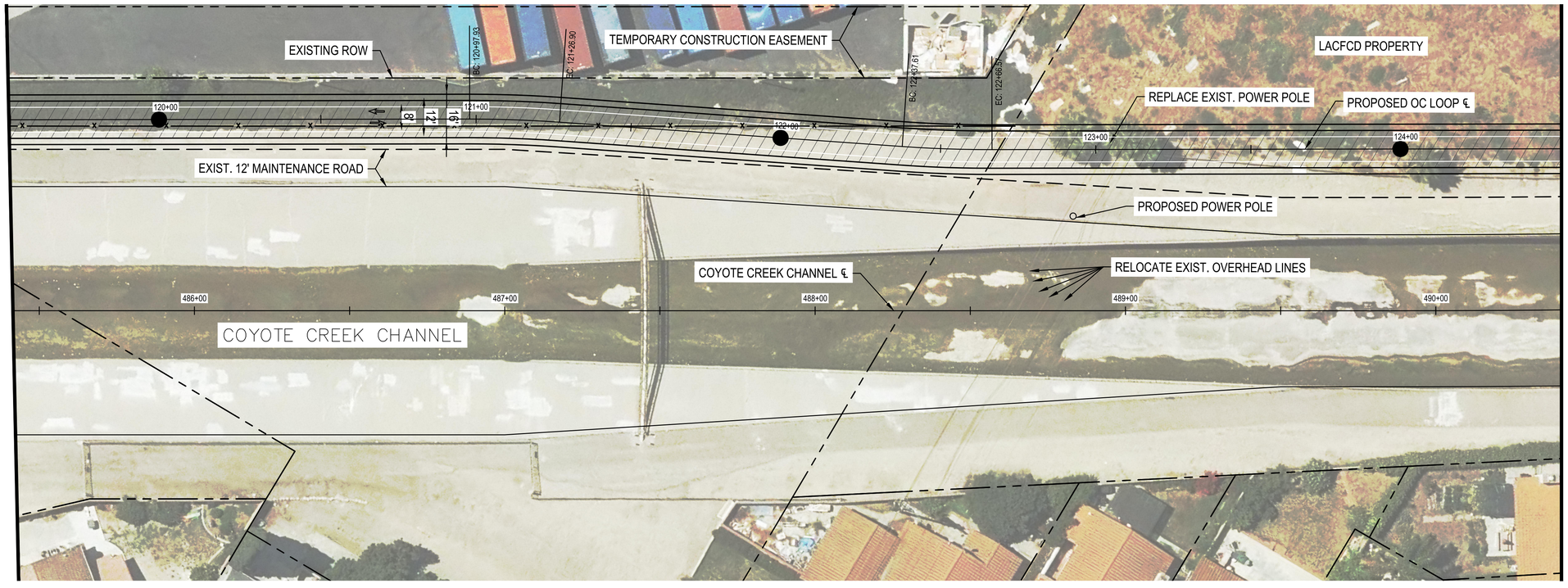
SEE SHEET NO. 1
MATCHLINE – STA. 119+50



MATCHLINE – STA. 124+50
SEE SHEET NO. 3

Note: These are predesign drawings and subject to modification during design.

SEE SHEET NO. 1
MATCHLINE – STA. 119+50



MATCHLINE – STA. 124+50
SEE SHEET NO. 3

N

0 10' 20' 40'

DIGALERT
DIAL TOLL FREE
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COUNTY OF ORANGE CALIFORNIA

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PREPARED UNDER THE RESPONSIBLE CHARGE OF:

DATE

DESIGNED BY:
DRAWN BY:
CHECKED BY:
DRAWING NO: C-111
FILE NAME: 112067720-Corr-BNSF-Overcrossing-Dtag.dwg
PLOT DATE: ####
SCALE: AS SHOWN

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OC LOOP
SEGMENTS O, P, Q
STA 119+50 TO STA 124+50

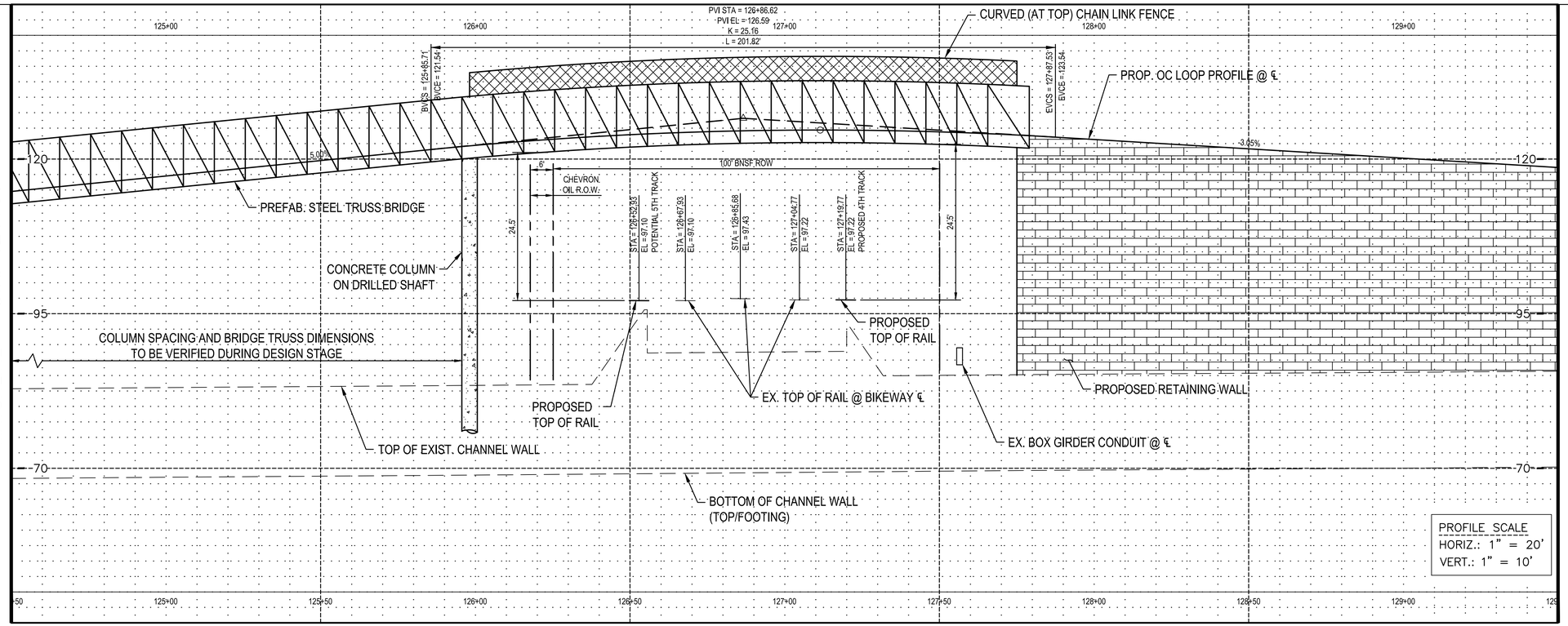
BNSF/METRO & STAGE ROAD CROSSING

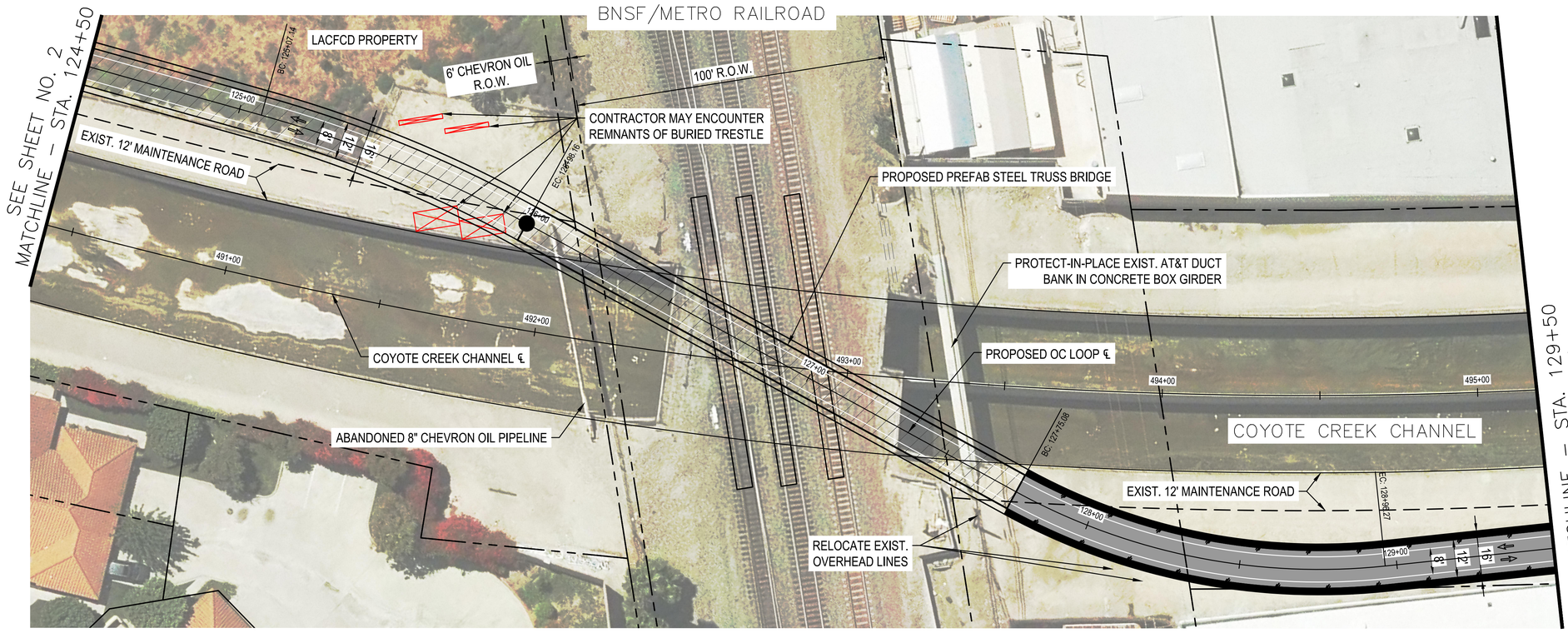
SHEET
C-110
2 OF 6

Plot Date: 4 August 2021 - 10:03 AM
Plotted By: Myung Choo
Filename: N:\US\Irvine\Projects\65\11206772\Digital_Design\ACAD 2018\Civil 3D\112067720-Corr-BNSF-Overcrossing-Dtag.dwg

SEE SHEET NO. 2
MATCHLINE – STA. 124+50

MATCHLINE – STA. 129+50
SEE SHEET NO. 4





Note: These are predesign drawings and subject to modification during design.

SEE SHEET NO. 2
MATCHLINE – STA. 124+50

MATCHLINE – STA. 129+50
SEE SHEET NO. 4

0 10' 20' 40'

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COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: _____ DATE

DESIGNED BY:
DRAWN BY:
CHECKED BY:
DRAWING NO: C-111
FILE NAME: 112807?-2OC-Coor-BNSF-Overcrossing-Plng.dwg
PLOT DATE: ####
SCALE: AS SHOWN

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OC Public Works

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T 1 949 848 5200
F 1 949 848 5299
W www.ghd.com

OC LOOP
SEGMENTS O, P, Q
STA 124+50 TO STA 129+50

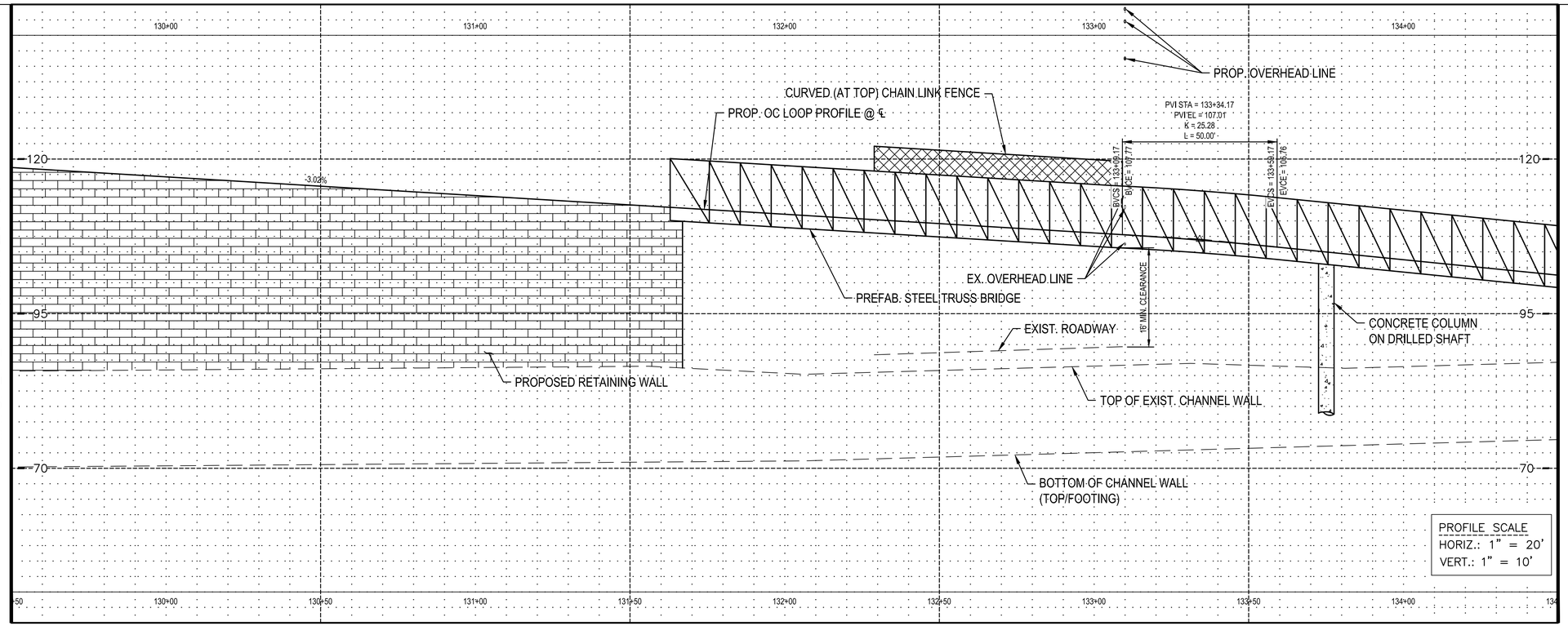
BNSF/METRO & STAGE ROAD CROSSING

SHEET
C-111
3 OF 6

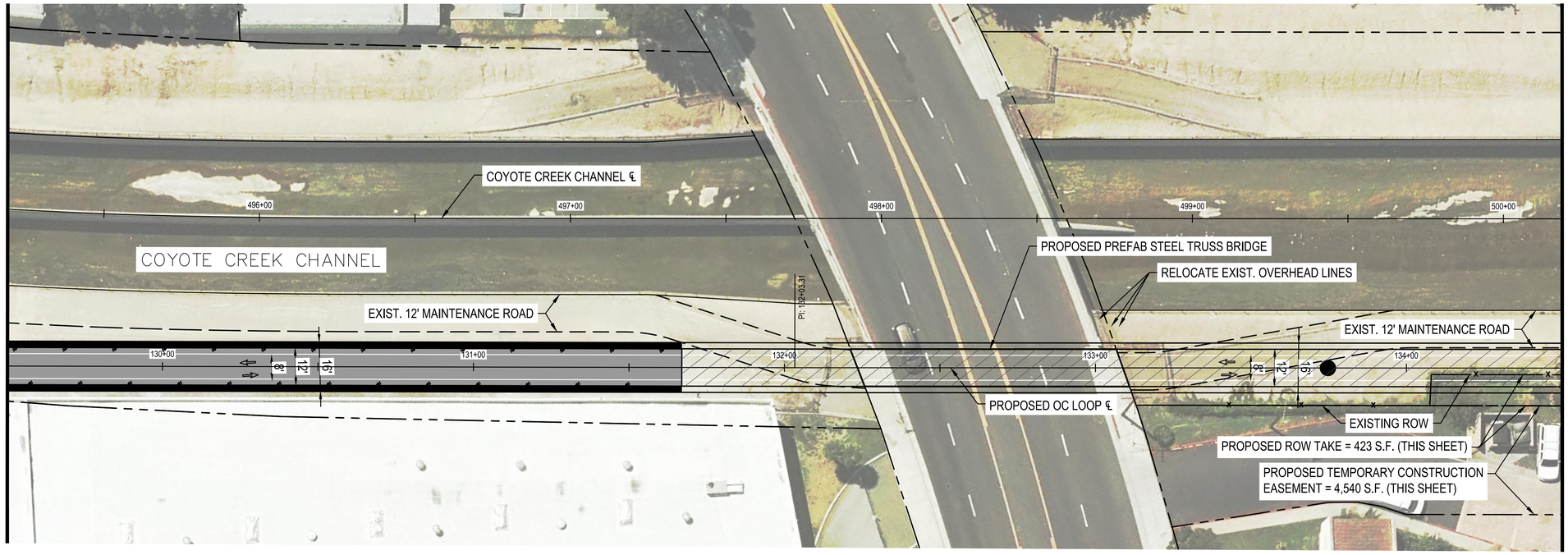
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Plotted By: Myung Choo
Plot Date: 4 August 2021 - 10:03 AM

SEE SHEET NO. 3
MATCHLINE – STA. 129+50

MATCHLINE – STA. 134+50
SEE SHEET NO. 5



STAGE ROAD



Note: These are predesign drawings and subject to modification during design.

0 10' 20' 40'

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COUNTY OF ORANGE CALIFORNIA

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PREPARED UNDER THE RESPONSIBLE CHARGE OF: DATE

DESIGNED BY:
DRAWN BY:
CHECKED BY:
DRAWING NO: C-111
FILE NAME: 113067720-OC-Con-BNSF-Overcrossing-Dtag.dwg
PLOT DATE: ####
SCALE: AS SHOWN

County of Orange
OC Public Works

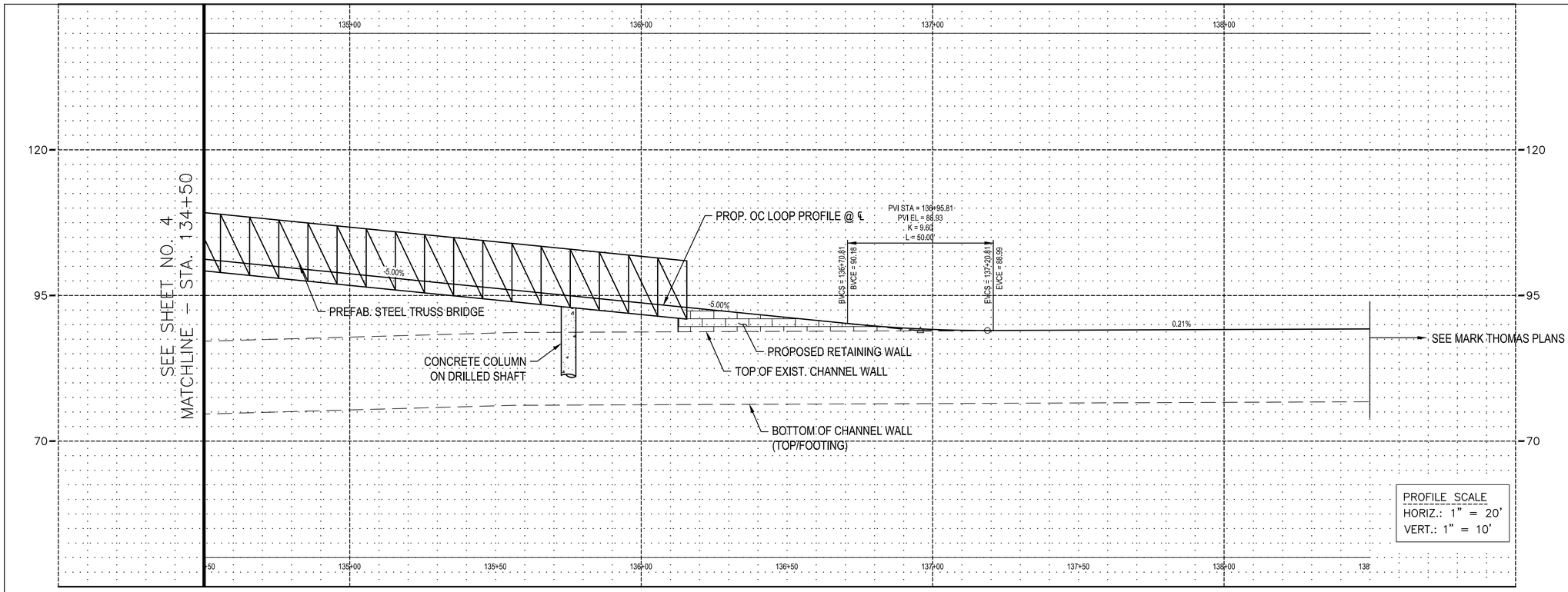
PREPARED BY:
GHD Inc.
320 Goddard Way Suite 200
Irvine California 92618 USA
T 1 949 848 5200
F 1 949 848 5289
W www.ghd.com

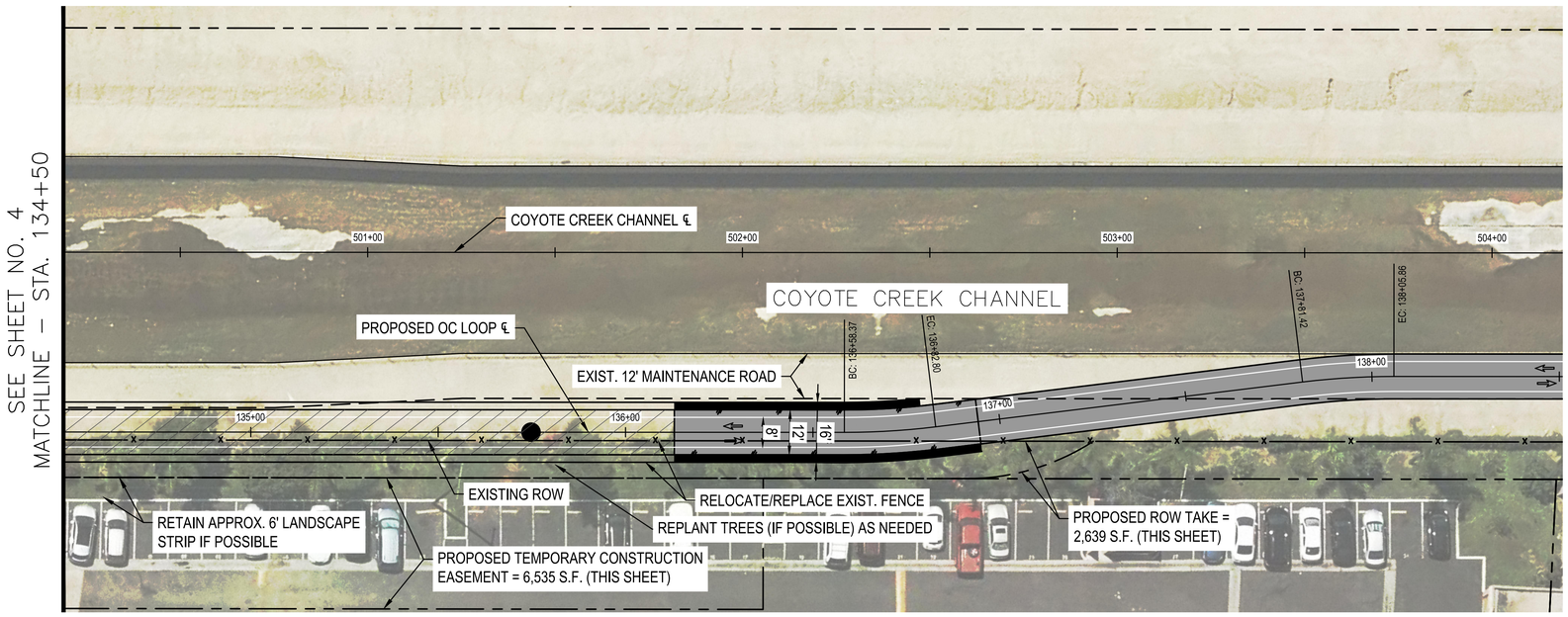
OC LOOP
SEGMENTS O, P, Q
STA 129+50 TO STA 134+50

BNSF/METRO & STAGE ROAD CROSSING

SHEET
C-112
4 OF 6

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Plotted By: Myung Choo
Plot Date: 4 August 2021 - 10:03 AM





N

0 10' 20' 40'

DIGALERT
DIAL TOLL FREE
811
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: DATE

DESIGNED BY:
DRAWN BY:
CHECKED BY:
DRAWING NO: C-111
FILE NAME: 112907720C-Com-BNSF-Overcrossing-Plsg.dwg
PLOT DATE: ####
SCALE: AS SHOWN

County of Orange
OCPublicWorks

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OC LOOP
SEGMENTS O, P, Q
STA 134+50 TO STA 138+50

BNSF/METRO & STAGE ROAD CROSSING

SHEET
C-113
5 OF 6

Filename: N:\US\Irvine\Projects\65\11129677\20\gis\d_Design\ACAD 2018\Civil 3D\112907720C-Com-BNSF-Overcrossing-Plsg.dwg
Plotted By: Myung Choo
Plot Date: 4 August 2021 - 10:04 AM