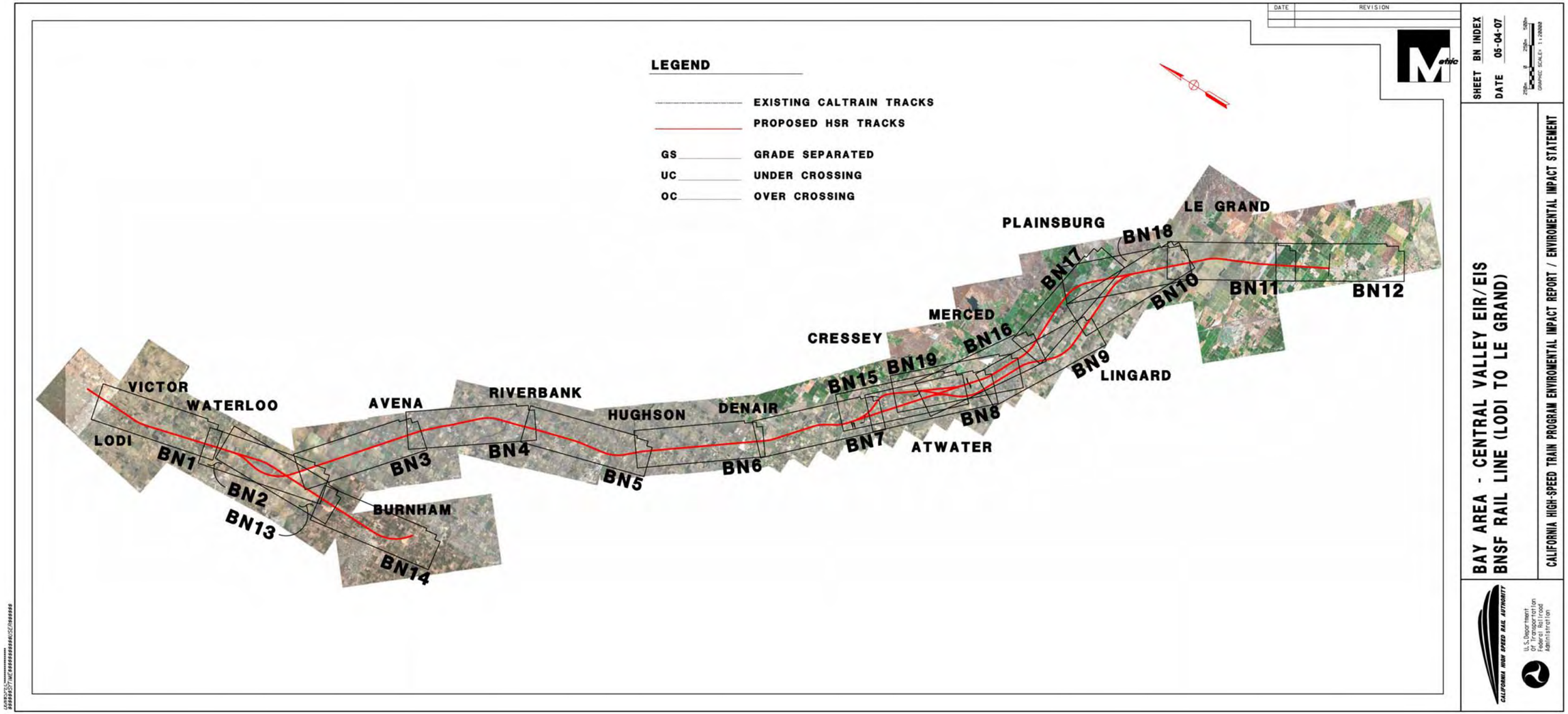
APPENDIX 2-D

BNSF RAIL LINE


LEGEND
EXISTING CALTRAIN TRACKS
PROPOSED HSR TRACKS
GS GRADE SEPARATED
UC UNDER CROSSING
OC OVER CROSSING
VICTOR
WATERLOO
LODI
AVENA
RIVERBANK
HUGHSON
DENAIR
CRESSEY
MERCED
PLAINSBURG
LE GRAND
LINGARD
ATWATER
BURNHAM
BN1
BN2
BN3
BN4
BN5
BN6
BN7
BN8
BN9
BN10
BN11
BN12
BN13
BN14
BN15
BN16
BN17
BN18
BN19
DATE
REVISION
SHEET BN INDEX
DATE 05-04-07
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE (LODI TO LE GRAND)
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIRONMENTAL IMPACT REPORT / ENVIRONMENTAL IMPACT STATEMENT
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VICTOR
WATERLOO
LODI
BEGIN ALIGNMENT
MATCH LINE STA 60+000
MATCH LINE STA 75+000
SEE SHEET BN2 OF 19
PROPOSED ALIGNMENT
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL
FIG. BN-1
CUT & FILL
FIG. BN-2
EMBANKMENT
FIG. BN-3
E SARGENT RD
E REALITY RD
E KETTLEMAN LN (GS)
E HARNEY LN (GS)
E HOGAN LN (GS)
E HAIGHT RD (GS)
PIXLEY SLOUGH
LIVE OAK RD
BEAR CREEK
E EIGHT MILE RD
MOSHER CREEK
MOKELUMNE AQUEDUCT
HILDRETH LN
FOPPIANO LN
CALAVERAS RIVER
E CHEROKEE RD
WATERLOO RD
E FAIRCHILD RD
L 24915m
-0.03%
EXISTING GROUND
PROFILE
SCALE
60+000
65+000
70+000
75+000
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIROMENTAL IMPACT REPORT / ENVIROMENTAL IMPACT STATEMENT
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DATE 05-04-07
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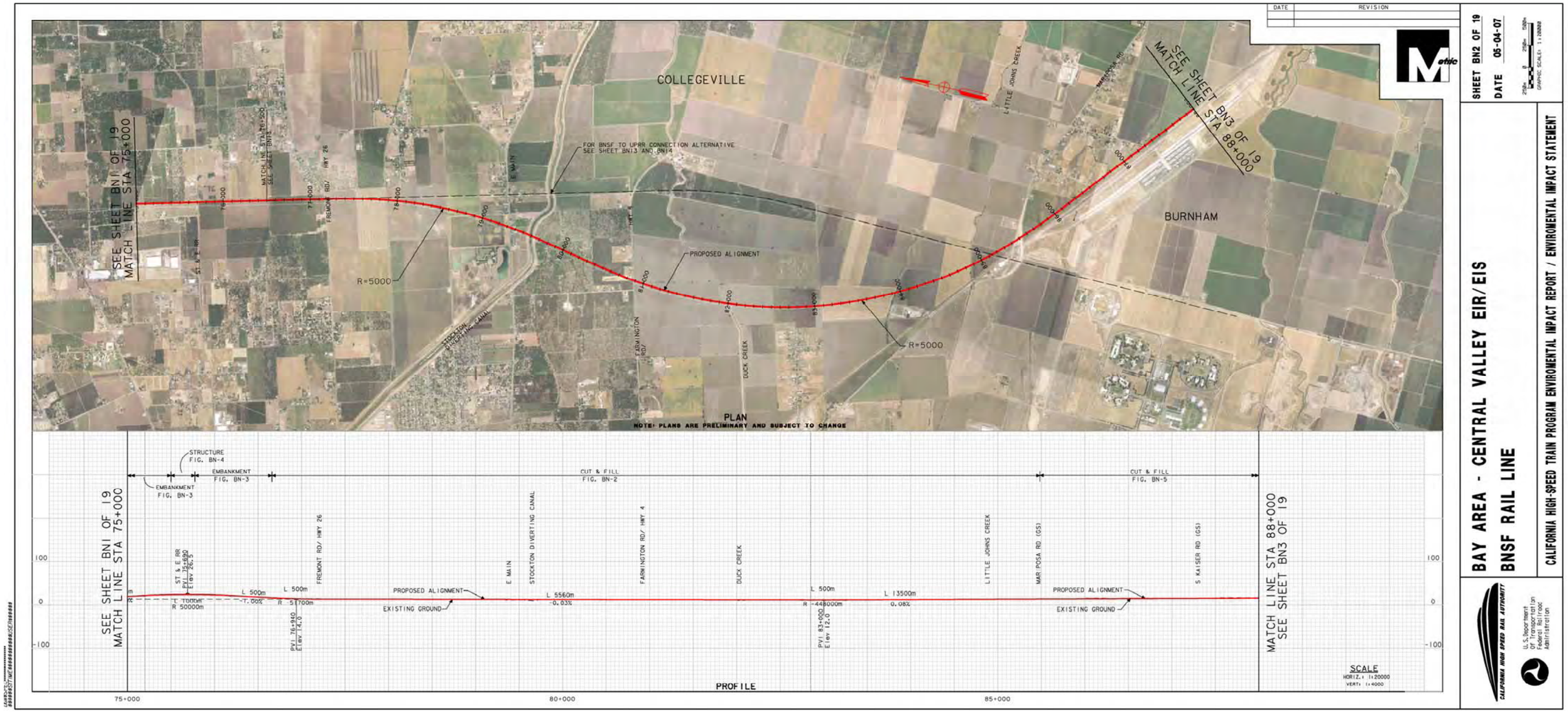
COLLEGEVILLE
BURNHAM
SEE SHEET BN1 OF 19
MATCH LINE STA 75+000
SEE SHEET BN3 OF 19
MATCH LINE STA 88+000
FOR BNSF TO UPRR CONNECTION ALTERNATIVE
SEE SHEET BN13 AND BN14
PROPOSED ALIGNMENT
R=5000
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
STRUCTURE
FIG. BN-4
EMBANKMENT
FIG. BN-3
CUT & FILL
FIG. BN-2
CUT & FILL
FIG. BN-5
ST & E RR
PVI 75+590
Elev 26.5
FREMONT RD/ HWY 26
PVI 76+840
Elev 14.0
E MAIN
STOCKTON DIVERTING CANAL
FARMINGTON RD/ HWY 4
DUCK CREEK
PVI 83+000
Elev 12.0
LITTLE JOHNS CREEK
MARIPOSA RD (GS)
S KAISER RD (GS)
L 500m
L 1000m
R 50000m
-1.00%
R -5700m
L 5560m
-0.03%
R -48000m
L 1350m
0.08%
EXISTING GROUND
PROPOSED ALIGNMENT
PROFILE
75+000
80+000
85+000
SCALE
HORIZ.: 1:20000
VERT.: 1:4000
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIROMENTAL IMPACT REPORT / ENVIROMENTAL IMPACT STATEMENT
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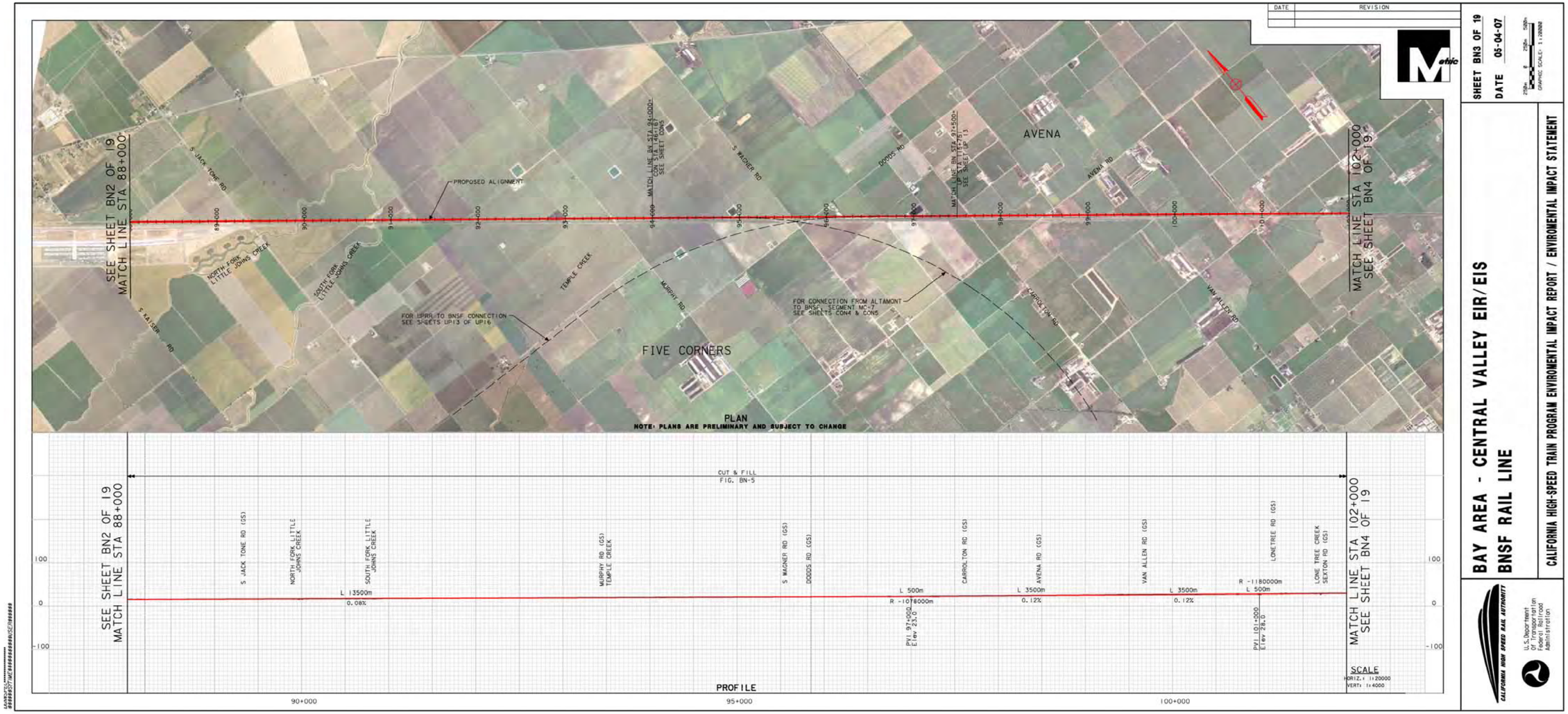
DATE
REVISION
SHEET BN3 OF 19
DATE 06-04-07
SEE SHEET BN2 OF 19
MATCH LINE STA 88+000
S JACK TONE RD
NORTH FORK LITTLE JOHNS CREEK
SOUTH FORK LITTLE JOHNS CREEK
S KAISER RD
PROPOSED ALIGNMENT
FOR UPRR TO BNSF CONNECTION
SEE SHEETS UP13 OF UP16
TEMPLE CREEK
MURPHY RD
S WAGNER RD
DODDS RD
FIVE CORNERS
FOR CONNECTION FROM ALTAMONT
TO BNSF, SEGMENT MC-7
SEE SHEETS CON4 & CON5
CARROLTON RD
AVENA RD
AVENA
VAN ALLEN RD
MATCH LINE STA 102+000
SEE SHEET BN4 OF 19
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL
FIG. BN-5
S JACK TONE RD (GS)
NORTH FORK LITTLE JOHNS CREEK
SOUTH FORK LITTLE JOHNS CREEK
MURPHY RD (GS)
TEMPLE CREEK
S WAGNER RD (GS)
DODDS RD (GS)
CARROLTON RD (GS)
AVENA RD (GS)
VAN ALLEN RD (GS)
LONE TREE RD (GS)
LONE TREE CREEK SEXTON RD (GS)
L 13500m
0.08%
L 500m
R -1078000m
PVI 97+000
Elev 23.0
L 3500m
0.12%
L 3500m
0.12%
R -1180000m
L 500m
PVI 101+000
Elev 28.0
PROFILE
SCALE
HORIZ.: 1:20000
VERT.: 1:4000
90+000
95+000
100+000
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIROMENTAL IMPACT REPORT / ENVIROMENTAL IMPACT STATEMENT
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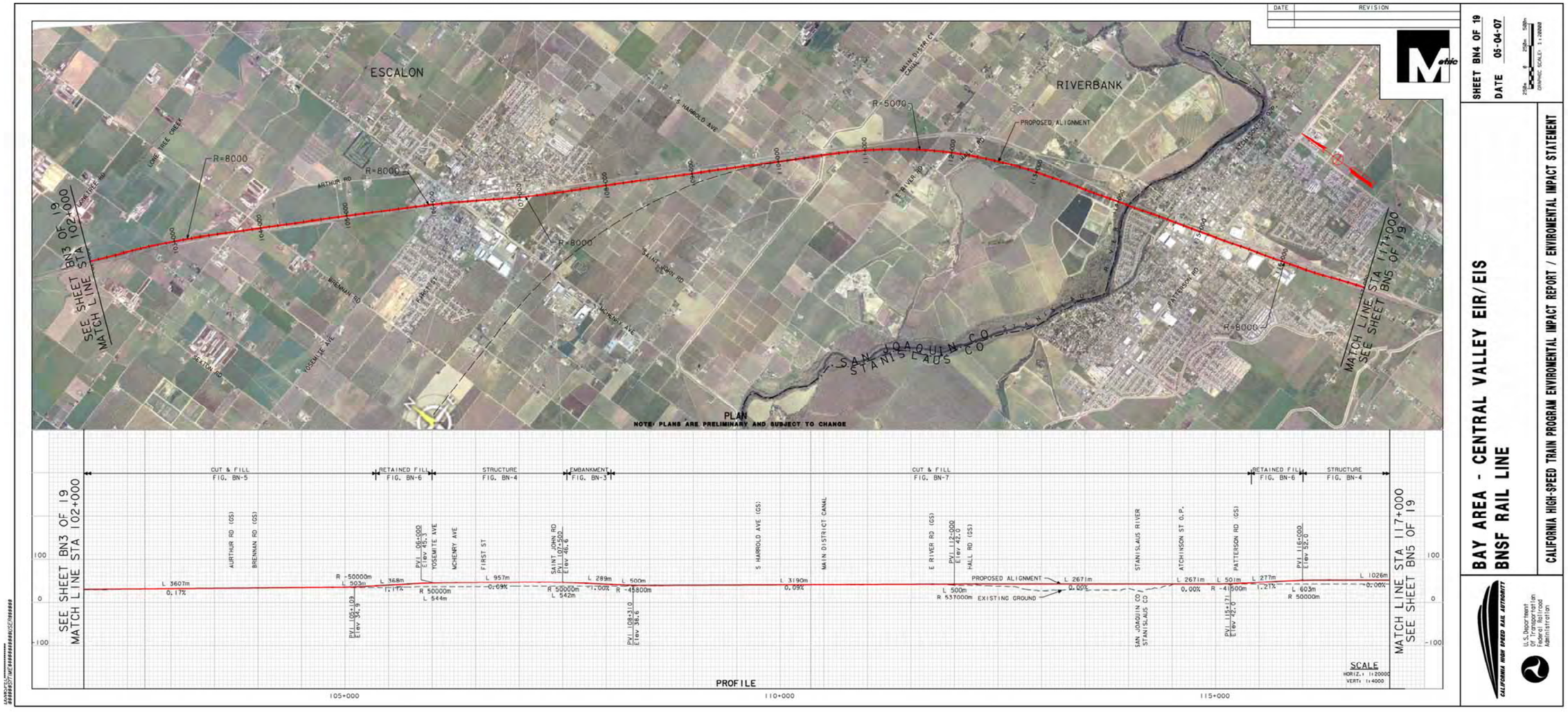
ESCALON
RIVERBANK
R=8000
R=5000
PROPOSED ALIGNMENT
SAN JOAQUIN CO
STANISLAUS CO
SEE SHEET BN3 OF 19
MATCH LINE STA 102+000
MATCH LINE STA 117+000
SEE SHEET BN5 OF 19
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL FIG. BN-5
RETAINED FILL FIG. BN-6
STRUCTURE FIG. BN-4
EMBANKMENT FIG. BN-3
CUT & FILL FIG. BN-7
RETAINED FILL FIG. BN-6
STRUCTURE FIG. BN-4
AURTHUR RD (GS)
BRENNAN RD (GS)
YOSEMITE AVE
MCHENRY AVE
FIRST ST
SAINT JOHN RD
S HARROLD AVE (GS)
MAIN DISTRICT CANAL
E RIVER RD (GS)
HALL RD (GS)
STANISLAUS RIVER
ATCHINSON ST O.P.
PATTERSON RD (GS)
PROPOSED ALIGNMENT
EXISTING GROUND
SAN JOAQUIN CO
STANISLAUS CO
PROFILE
SCALE
HORIZ.: 1:20000
VERT: 1:4000
105+000
110+000
115+000
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIROMENTAL IMPACT REPORT / ENVIROMENTAL IMPACT STATEMENT
SHEET BN4 OF 19
DATE 05-04-07
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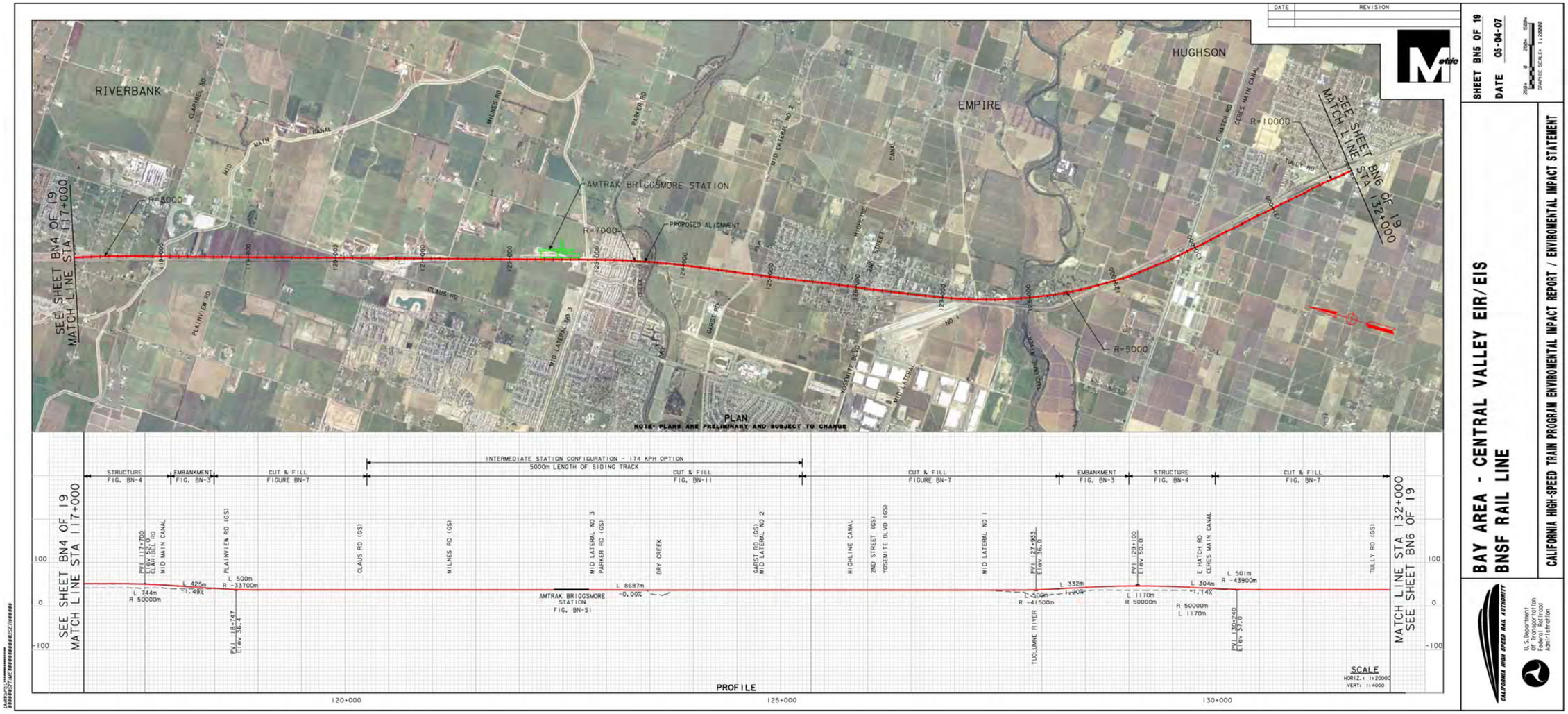
RIVERBANK
EMPIRE
HUGHSON
AMTRAK BRIGGSMORE STATION
PROPOSED ALIGNMENT
R=8000
R=7000
R=5000
R=10000
SEE SHEET BN4 OF 19 MATCH LINE STA 117+000
SEE SHEET BN6 OF 19 MATCH LINE STA 132+000
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
STRUCTURE FIG. BN-4
EMBANKMENT FIG. BN-3
CUT & FILL FIGURE BN-7
INTERMEDIATE STATION CONFIGURATION - 174 KPH OPTION
5000m LENGTH OF SIDING TRACK
CUT & FILL FIG. BN-11
PVI 117+200 Elev 22.0
PVI 118+747 Elev 36.4
PVI 127+933 Elev 36.0
PVI 129+100 Elev 50.0
PVI 130+240 Elev 37.0
L 425m
L 744m
R 50000m
L 500m
R -33700m
-1.49%
AMTRAK BRIGGSMORE STATION FIG. BN-51
L 8687m
-0.00%
L 332m
L 500m
R -41500m
-1.20%
L 1170m
R 50000m
L 304m
-1.14%
R 50000m
L 1170m
L 501m
R -43900m
SEE SHEET BN4 OF 19 MATCH LINE STA 117+000
MATCH LINE STA 132+000 SEE SHEET BN6 OF 19
PROFILE
SCALE
HORIZ.: 1:20000
VERT.: 1:4000
120+000
125+000
130+000
SHEET BN5 OF 19
DATE 05-04-07
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
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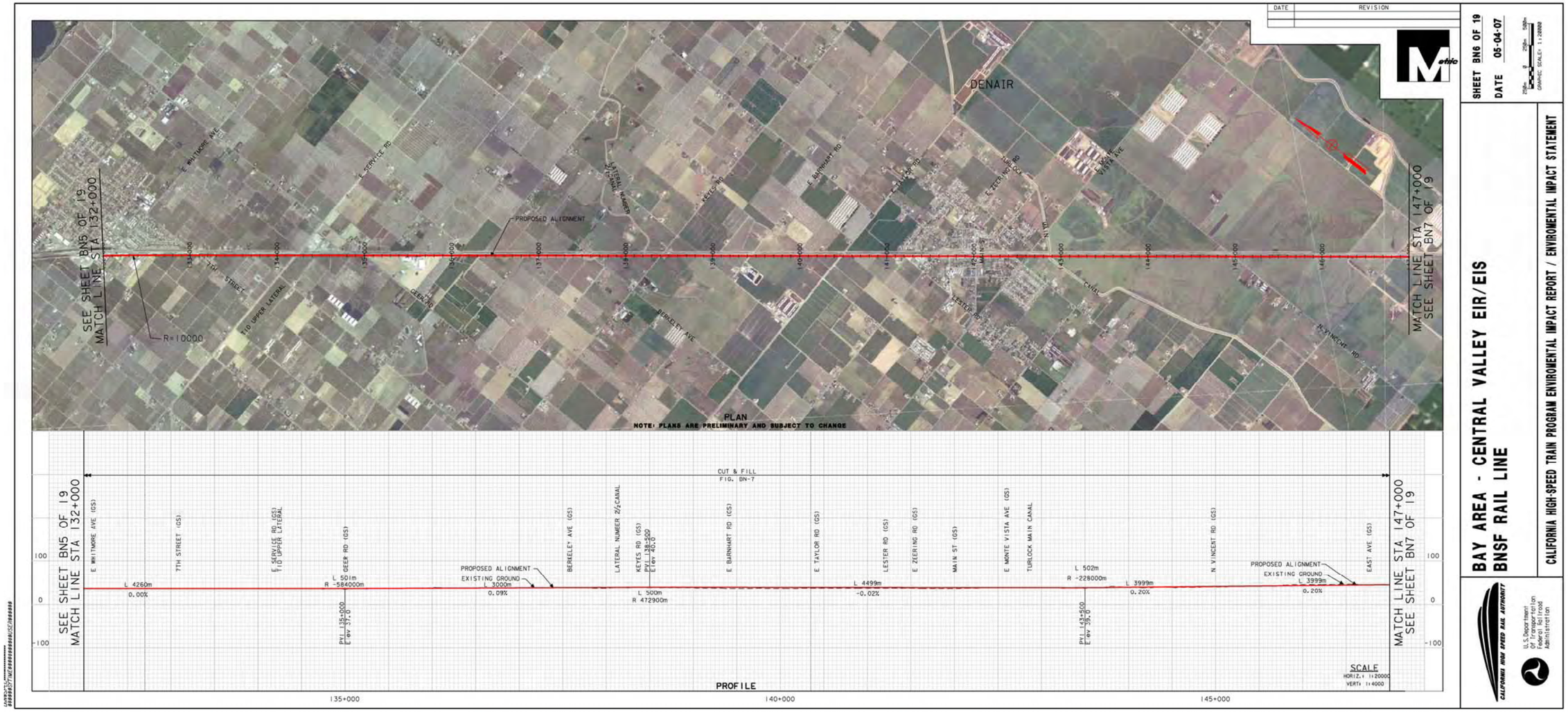
DATE
REVISION
SHEET BN6 OF 19
DATE 05-04-07
GRAPHIC SCALE 1:20000
DENAIR
SEE SHEET BN5 OF 19
MATCH LINE STA 132+000
MATCH LINE STA 147+000
SEE SHEET BN7 OF 19
E WHITMORE AVE
E SERVICE RD
7TH STREET
T/D UPPER LATERAL
GEER RD
PROPOSED ALIGNMENT
LATERAL NUMBER 2½ CANAL
KEYES RD
E BARNHART RD
E TAYLOR RD
E ZEERING RD
LESTER RD
MAIN ST
E MONTE VISTA AVE
TURLOCK MAIN CANAL
N VINCENT RD
EAST AVE
BERKELEY AVE
R=10000
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL
FIG. BN-7
L 4260m
0.00%
L 501m
R -584000m
PVI 135+000
Elev 37.0
L 3000m
0.09%
L 500m
R 472900m
PVI 138+500
Elev 43.0
L 4499m
-0.02%
L 502m
R -228000m
PVI 143+500
Elev 39.0
L 3999m
0.20%
L 3999m
0.20%
SCALE
HORIZ. 1:20000
VERT. 1:4000
PROFILE
135+000
140+000
145+000
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIRONMENTAL IMPACT REPORT / ENVIRONMENTAL IMPACT STATEMENT
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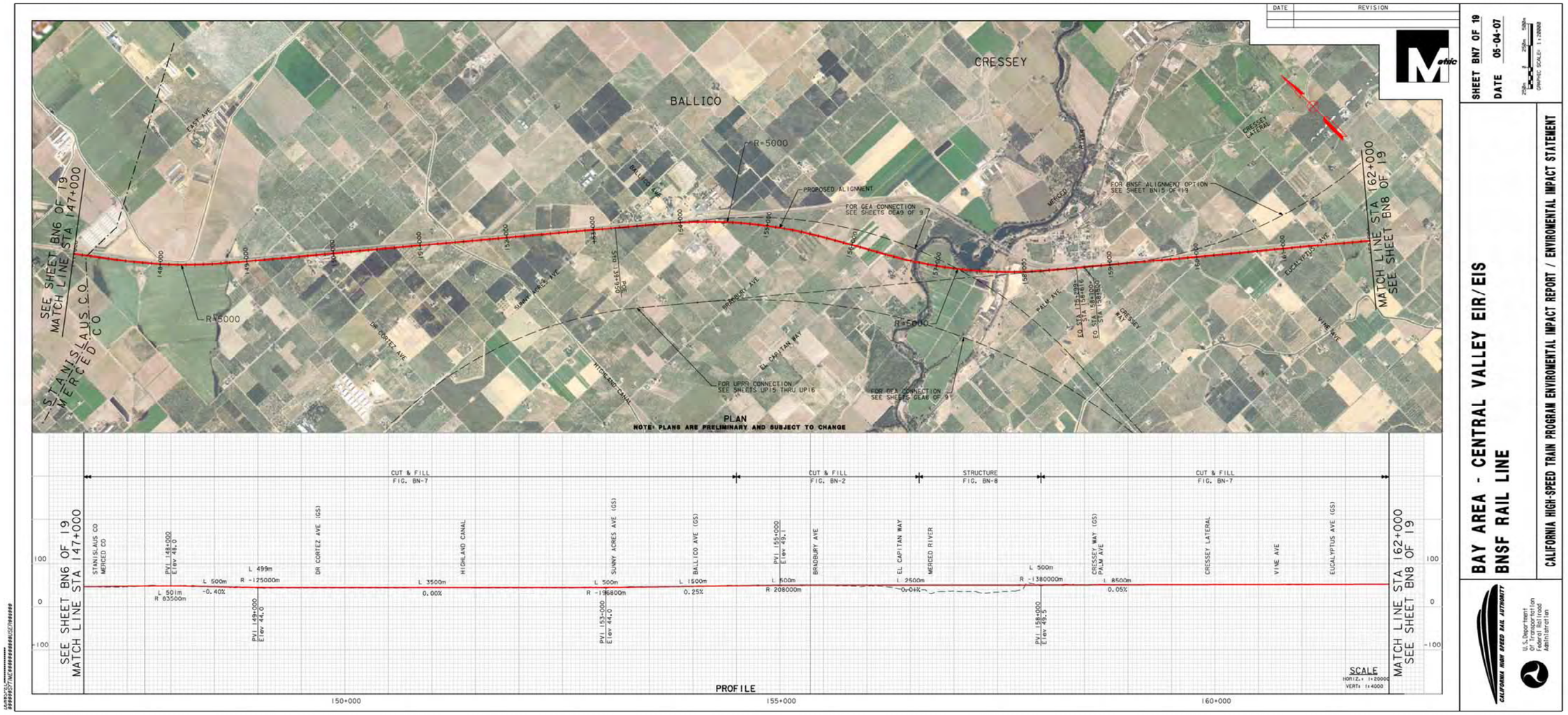
BALLICO
CRESSEY
SEE SHEET BN6 OF 19
MATCH LINE STA 147+000
MATCH LINE STA 162+000
SEE SHEET BN8 OF 19
STANISLAUS CO
MERCED CO
R=5000
PROPOSED ALIGNMENT
FOR GEA CONNECTION SEE SHEETS GEA9 OF 9
FOR BNSF ALIGNMENT OPTION SEE SHEET BN15 OF 19
FOR UPRR CONNECTION SEE SHEETS UP15 THRU UP16
FOR GEA CONNECTION SEE SHEETS GEA8 OF 9
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL FIG. BN-7
CUT & FILL FIG. BN-2
STRUCTURE FIG. BN-8
CUT & FILL FIG. BN-7
PVI 148+000 Elev 48.0
L 501m R 83500m
L 500m -0.40%
L 499m R -125000m
PVI 149+000 Elev 44.0
L 3500m 0.00%
L 500m R -196800m
PVI 153+000 Elev 44.0
L 1500m 0.25%
L 500m R 208000m
PVI 155+000 Elev 49.1
L 2500m 0.04%
L 500m R -1380000m
PVI 158+000 Elev 49.5
L 8500m 0.05%
STANISLAUS CO
MERCED CO
DR CORTEZ AVE (GS)
HIGHLAND CANAL
SUNNY ACRES AVE (GS)
BALLICO AVE (GS)
BRADBURY AVE
EL CAPITAN WAY
MERCED RIVER
CRESSEY WAY (GS)
PALM AVE
CRESSEY LATERAL
VINE AVE
EUCALYPTUS AVE (GS)
SCALE
HORIZ.: 1:20000
VERT.: 1:4000
PROFILE
150+000
155+000
160+000
SHEET BN7 OF 19
DATE 05-04-07
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIRONMENTAL IMPACT REPORT / ENVIRONMENTAL IMPACT STATEMENT
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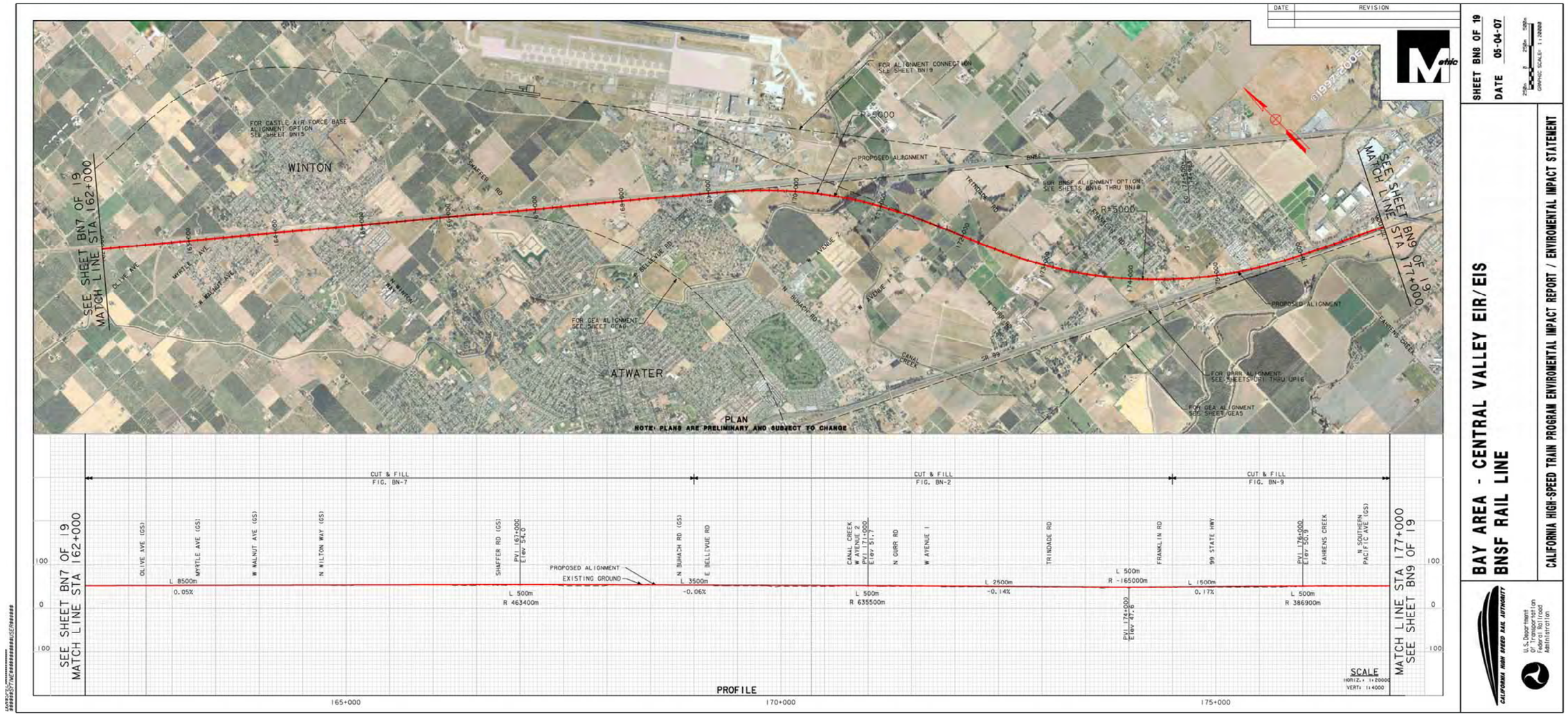
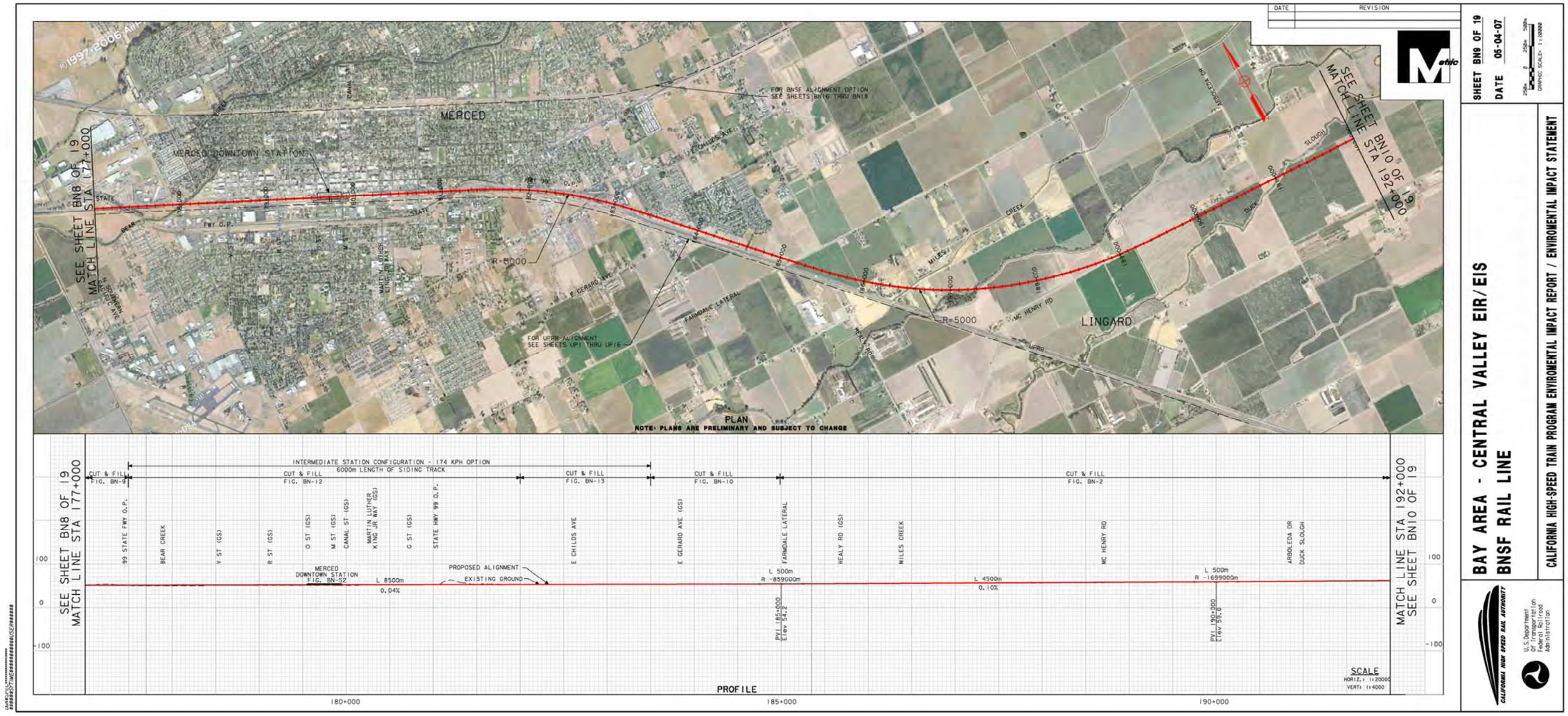

SHEET BN8 OF 19
DATE 05-04-07
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIROMENTAL IMPACT REPORT / ENVIROMENTAL IMPACT STATEMENT
SEE SHEET BN7 OF 19
MATCH LINE STA 162+000
SEE SHEET BN9 OF 19
MATCH LINE STA 177+000
WINTON
ATWATER
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
PROPOSED ALIGNMENT
EXISTING GROUND
CUT & FILL
FIG. BN-7
FIG. BN-2
FIG. BN-9
PROFILE
SCALE
165+000
170+000
175+000


DATE
REVISION
SHEET BN9 OF 19
DATE 05-04-07
GRAPHIC SCALE: 1:120000
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
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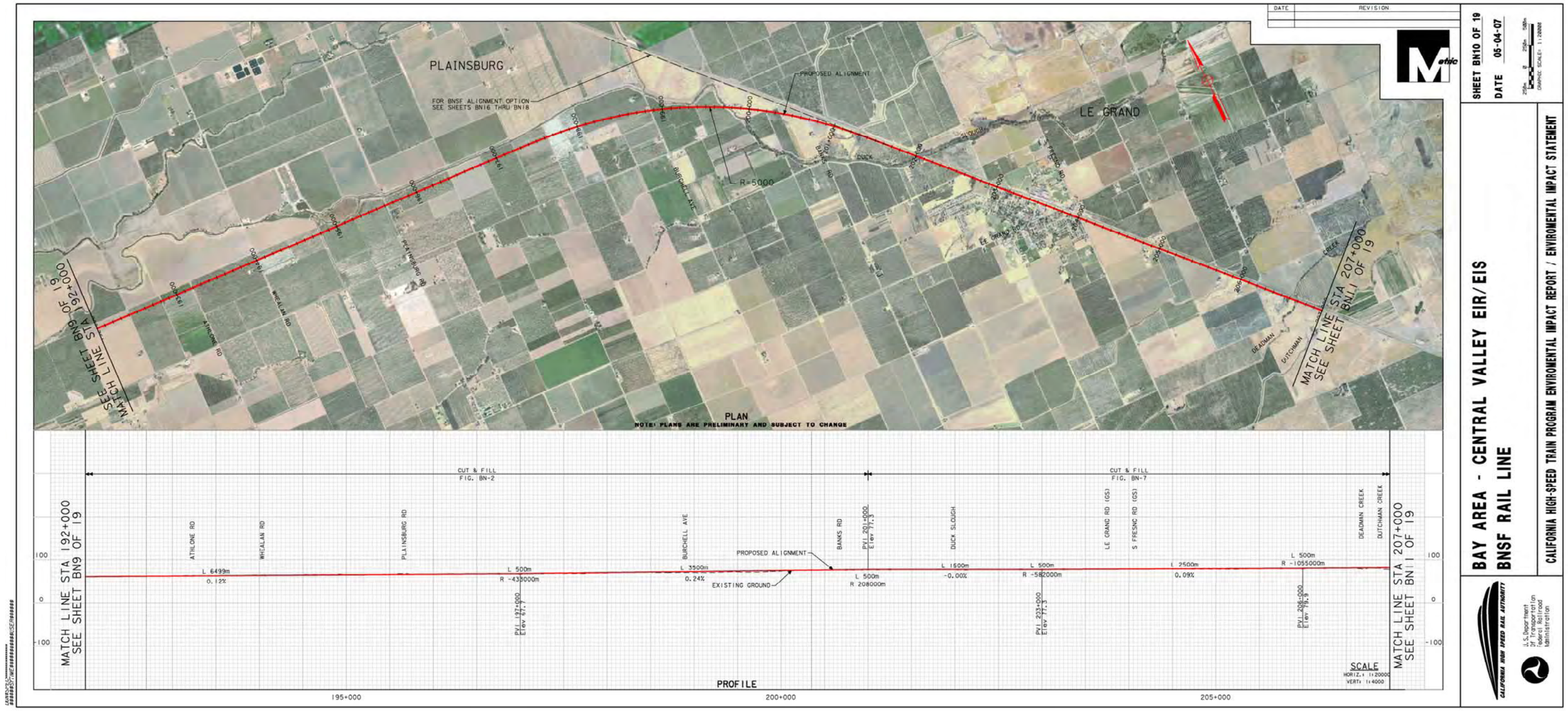
MERCED
MERCED DOWNTOWN STATION
SEE SHEET BN8 OF 19 MATCH LINE STA 177+000
SEE SHEET BN10 OF 19 STA 192+000
FOR BNSF ALIGNMENT OPTION SEE SHEETS BN16 THRU BN18
FOR UPRR ALIGNMENT SEE SHEETS UP1 THRU UP16
R=8000
R=5000
LINGARD
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
INTERMEDIATE STATION CONFIGURATION - 174 KPH OPTION
6000m LENGTH OF SIDING TRACK
CUT & FILL FIG. BN-9
CUT & FILL FIG. BN-12
CUT & FILL FIG. BN-13
CUT & FILL FIG. BN-10
CUT & FILL FIG. BN-2
99 STATE FWY O.P.
BEAR CREEK
V ST (GS)
R ST (GS)
O ST (GS)
M ST (GS)
CANAL ST (GS)
MARTIN LUTHER KING JR WAY (GS)
G ST (GS)
STATE HWY 99 O.P.
E CHILDS AVE
E GERARD AVE (GS)
FARMDALE LATERAL
HEALY RD (GS)
MILES CREEK
MC HENRY RD
ARBOLEDA DR
DUCK SLOUGH
MERCED DOWNTOWN STATION FIG. BN-S2
L 8500m
0.04%
PROPOSED ALIGNMENT
EXISTING GROUND
L 500m
R -859000m
PVI 185+000
Elev 54.2
L 4500m
0.10%
L 500m
R -1699000m
PVI 192+000
Elev 59.0
MATCH LINE STA 192+000 SEE SHEET BN10 OF 19
PROFILE
SCALE
HORIZ.: 1:120000
VERT: 1:4000
180+000
185+000
190+000


PLAINSBURG
FOR BNSF ALIGNMENT OPTION SEE SHEETS BN16 THRU BN18
PROPOSED ALIGNMENT
LE GRAND
R=5000
MATCH LINE STA 192+000 SEE SHEET BN9 OF 19
MATCH LINE STA 207+000 SEE SHEET BN11 OF 19
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL FIG. BN-2
CUT & FILL FIG. BN-7
ATWLONE RD
WHELAN RD
PLAINSBURG RD
BURCHELL AVE
BANKS RD
PVI 201+000 Elev 77.3
DUCK SLOUGH
LE GRAND RD (GS)
S FRESNO RD (GS)
DEADMAN CREEK
DUTCHMAN CREEK
L 6499m
0.12%
L 500m
R -43000m
PVI 197+000 Elev 67.7
L 3500m
0.24%
EXISTING GROUND
L 500m
R 208000m
L 1500m
-0.00%
L 500m
R -58200m
PVI 203+000 Elev 77.3
L 2500m
0.09%
L 500m
R -1055000m
PVI 206+000 Elev 79.9
SCALE
HORIZ.: 1:20000
VERT.: 1:4000
PROFILE
195+000
200+000
205+000
100
0
-100
DATE
REVISION
SHEET BN10 OF 19
DATE 05-04-07
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
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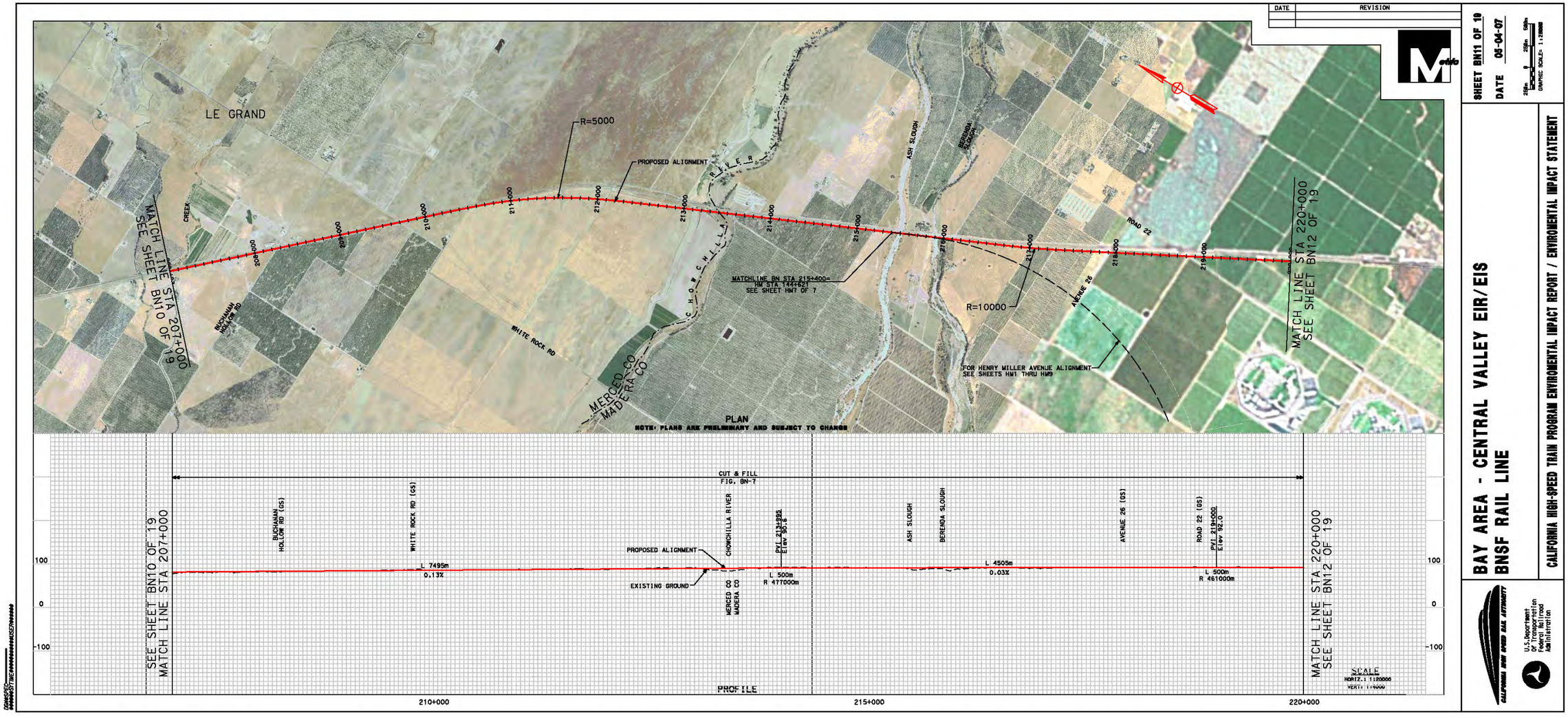
DATE
REVISION
LE GRAND
CREEK
MATCH LINE STA 207+000
SEE SHEET BN10 OF 19
BUCHANAN HOLLOW RD
WHITE ROCK RD
MERCED CO
MADERA CO
CHOWCHILLA RIVER
R=5000
PROPOSED ALIGNMENT
MATCHLINE BN STA 215+400=
HM STA 144+621
SEE SHEET HM7 OF 7
ASH SLOUGH
BERENDA SLOUGH
R=10000
AVENUE 26
ROAD 22
FOR HENRY MILLER AVENUE ALIGNMENT
SEE SHEETS HM1 THRU HM9
MATCH LINE STA 220+000
SEE SHEET BN12 OF 19
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL
FIG. BN-7
SEE SHEET BN10 OF 19
MATCH LINE STA 207+000
BUCHANAN HOLLOW RD (GS)
WHITE ROCK RD (GS)
L 7495m
0.13%
PROPOSED ALIGNMENT
EXISTING GROUND
CHOWCHILLA RIVER
MERCED CO
MADERA CO
PVI 213+995
Elev 90.8
L 500m
R 477000m
ASH SLOUGH
BERENDA SLOUGH
L 4505m
0.03%
AVENUE 26 (GS)
ROAD 22 (GS)
PVI 219+000
Elev 92.0
L 500m
R 461000m
MATCH LINE STA 220+000
SEE SHEET BN12 OF 19
SCALE
HORIZ.: 1:20000
VERT.: 1:1000
PROFILE
210+000
215+000
220+000
SHEET BN11 OF 19
DATE 06-04-07
BAY AREA - CENTRAL VALLEY EIR/EIS
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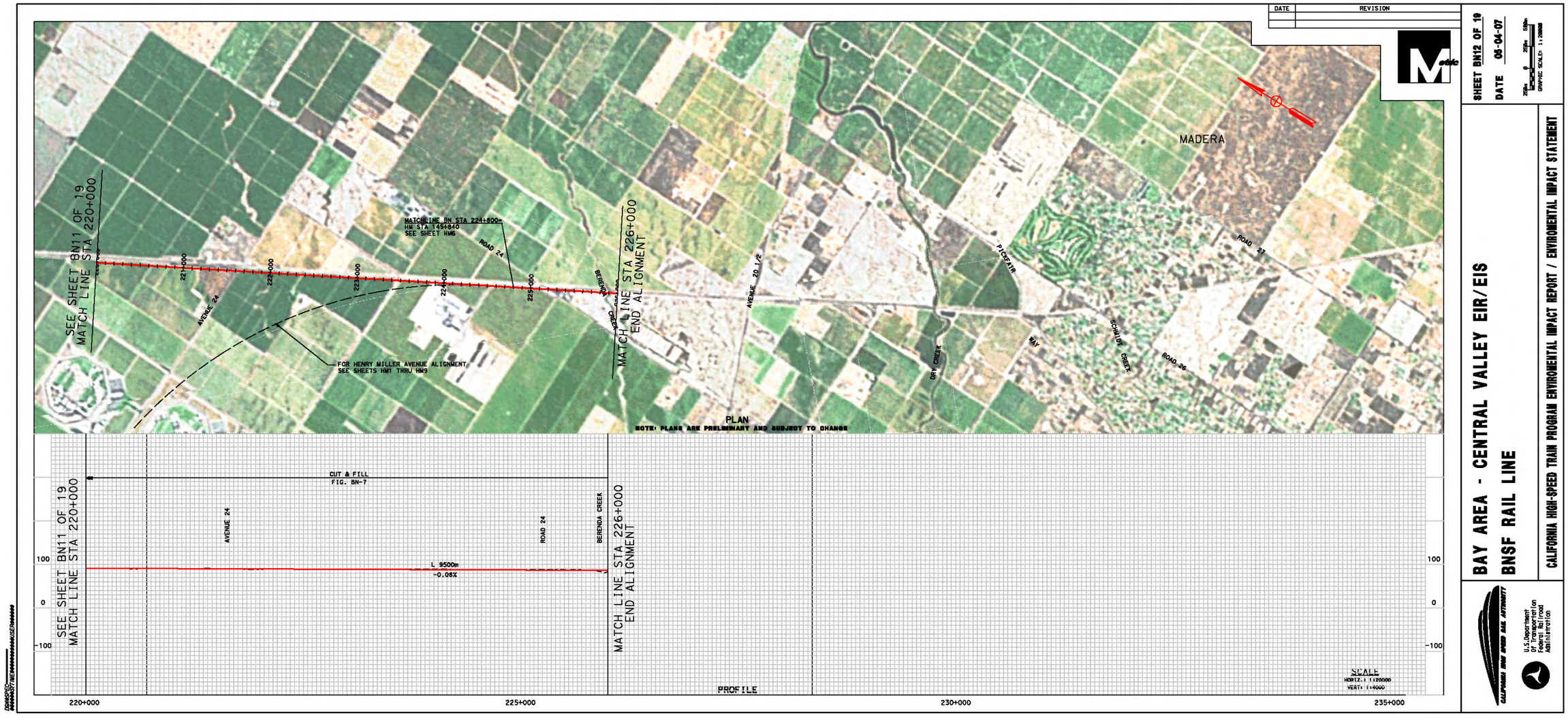
DATE
REVISION
SHEET BN12 OF 19
DATE 05-04-07
GRAPHIC SCALE: 1:20000
MADERA
SEE SHEET BN11 OF 19
MATCH LINE STA 220+000
MATCHLINE BN STA 224+800=
HM STA 145+840
SEE SHEET HM6
ROAD 24
AVENUE 24
BERENDA CREEK
MATCH LINE STA 226+000
END ALIGNMENT
AVENUE 20 1/2
PICKFAIR
ROAD 27
DRY CREEK
WAY
SCHMIDT CREEK
ROAD 26
FOR HENRY MILLER AVENUE ALIGNMENT
SEE SHEETS HM1 THRU HM9
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL
FIG. BN-7
L 9500m
-0.06%
100
0
-100
PROFILE
SCALE
HORIZ.: 1:20000
VERT: 1:4000
220+000
225+000
230+000
235+000
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
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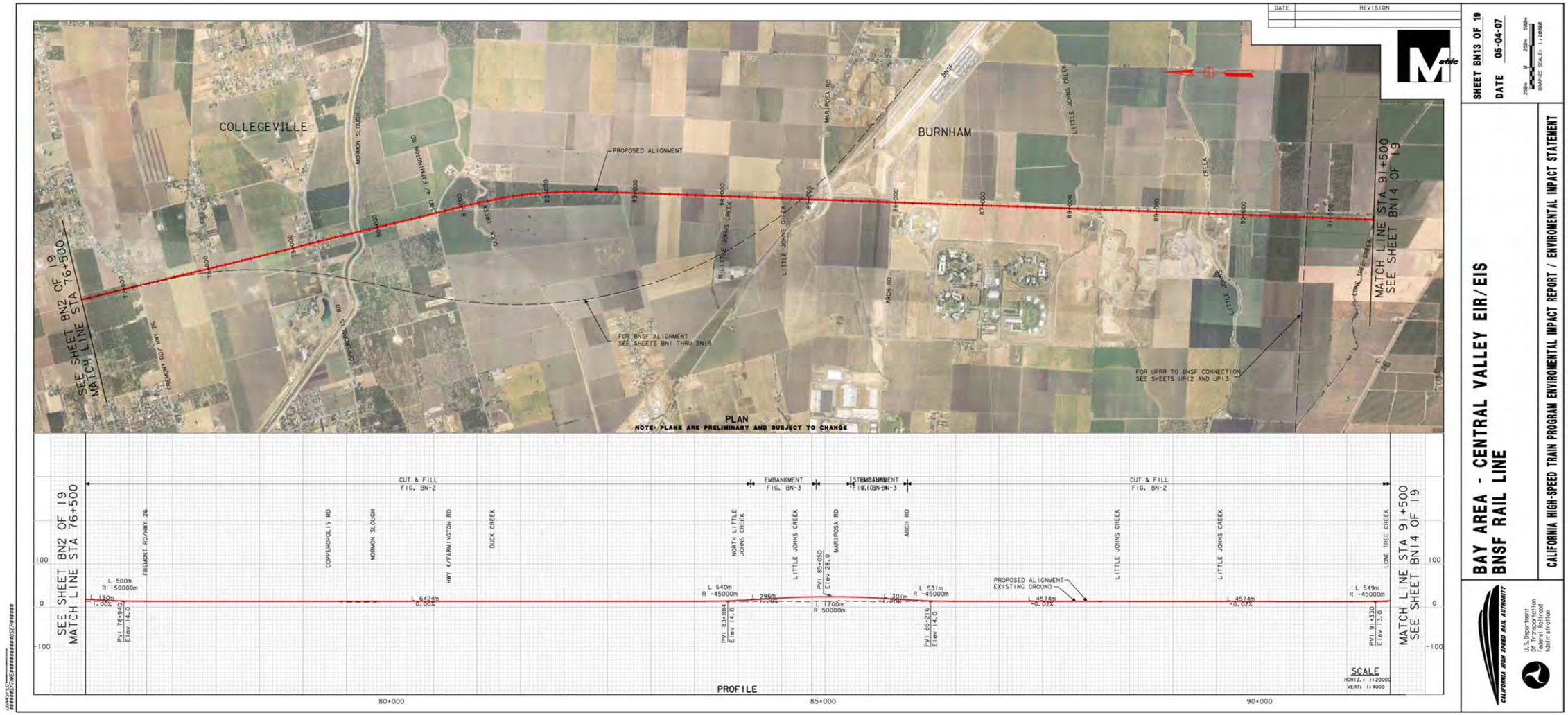
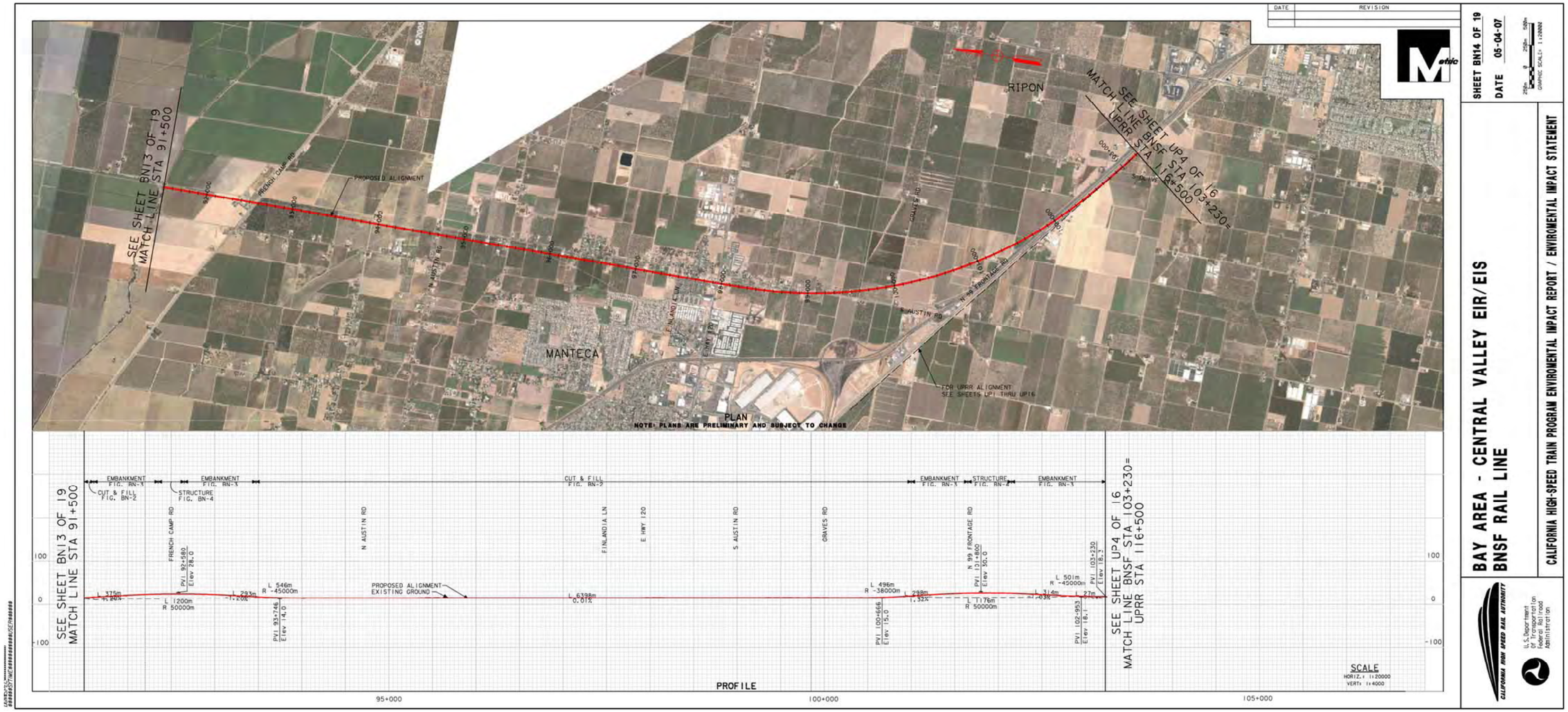

COLLEGEVILLE
BURNHAM
PROPOSED ALIGNMENT
SEE SHEET BN2 OF 19
MATCH LINE STA 76+500
MATCH LINE STA 91+500
SEE SHEET BN14 OF 19
FOR BNSF ALIGNMENT
SEE SHEETS BN1 THRU BN19
FOR UPRR TO BNSF CONNECTION
SEE SHEETS UP12 AND UP13
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL
FIG. BN-2
EMBANKMENT
FIG. BN-3
STRUCTURE
FIG. BN-3
FREMONT RD/HWY 26
COPPEROPOLIS RD
MORMON SLOUGH
HWY 4/FARMINGTON RD
DUCK CREEK
NORTH LITTLE JOHNS CREEK
LITTLE JOHNS CREEK
MARIPOSA RD
ARCH RD
LONE TREE CREEK
PROPOSED ALIGNMENT
EXISTING GROUND
PVI 76+940
Elev 14.0
PVI 83+884
Elev 14.0
PVI 85+050
Elev 28.0
PVI 86+216
Elev 14.0
PVI 91+330
Elev 13.0
SCALE
HORIZ.: 1:20000
VERT.: 1:4000
PROFILE
80+000
85+000
90+000
SHEET BN13 OF 19
DATE 05-04-07
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIROMENTAL IMPACT REPORT / ENVIROMENTAL IMPACT STATEMENT
CALIFORNIA HIGH SPEED RAIL AUTHORITY
U.S. Department of Transportation Federal Railroad Administration


SEE SHEET BN13 OF 19
MATCH LINE STA 91+500
PROPOSED ALIGNMENT
FRENCH CAMP RD
N AUSTIN RD
MANTECA
FINLANDIA LN
E HWY 120
S AUSTIN RD
GRAVES RD
N 99 FRONTAGE RD
RIPON
SEE SHEET UP4 OF 16
MATCH LINE BNSF STA 103+230=
UPRR STA 116+500
FOR UPRR ALIGNMENT
SEE SHEETS UP1 THRU UP16
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
EMBANKMENT FIG. BN-3
CUT & FILL FIG. BN-2
STRUCTURE FIG. BN-4
PVI 92+580 Elev 28.0
L 375m
L 1200m R 50000m
L 293m
L 546m R -45000m
PVI 93+746 Elev 14.0
PROPOSED ALIGNMENT
EXISTING GROUND
L 6398m 0.012
PVI 100+666 Elev 15.0
L 496m R -38000m
L 298m 1.324
PVI 101+800 Elev 30.0
L 1176m R 50000m
L 314m
L 501m R -45000m
L 27m
PVI 102+953 Elev 18.1
PVI 103+230 Elev 18.7
SEE SHEET UP4 OF 16
MATCH LINE BNSF STA 103+230=
UPRR STA 116+500
PROFILE
95+000
100+000
105+000
SCALE
HORIZ.: 1:20000
VERT.: 1:4000
DATE
REVISION
SHEET BN14 OF 19
DATE 05-04-07
GRAPHIC SCALE: 1:20000
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIROMENTAL IMPACT REPORT / ENVIROMENTAL IMPACT STATEMENT
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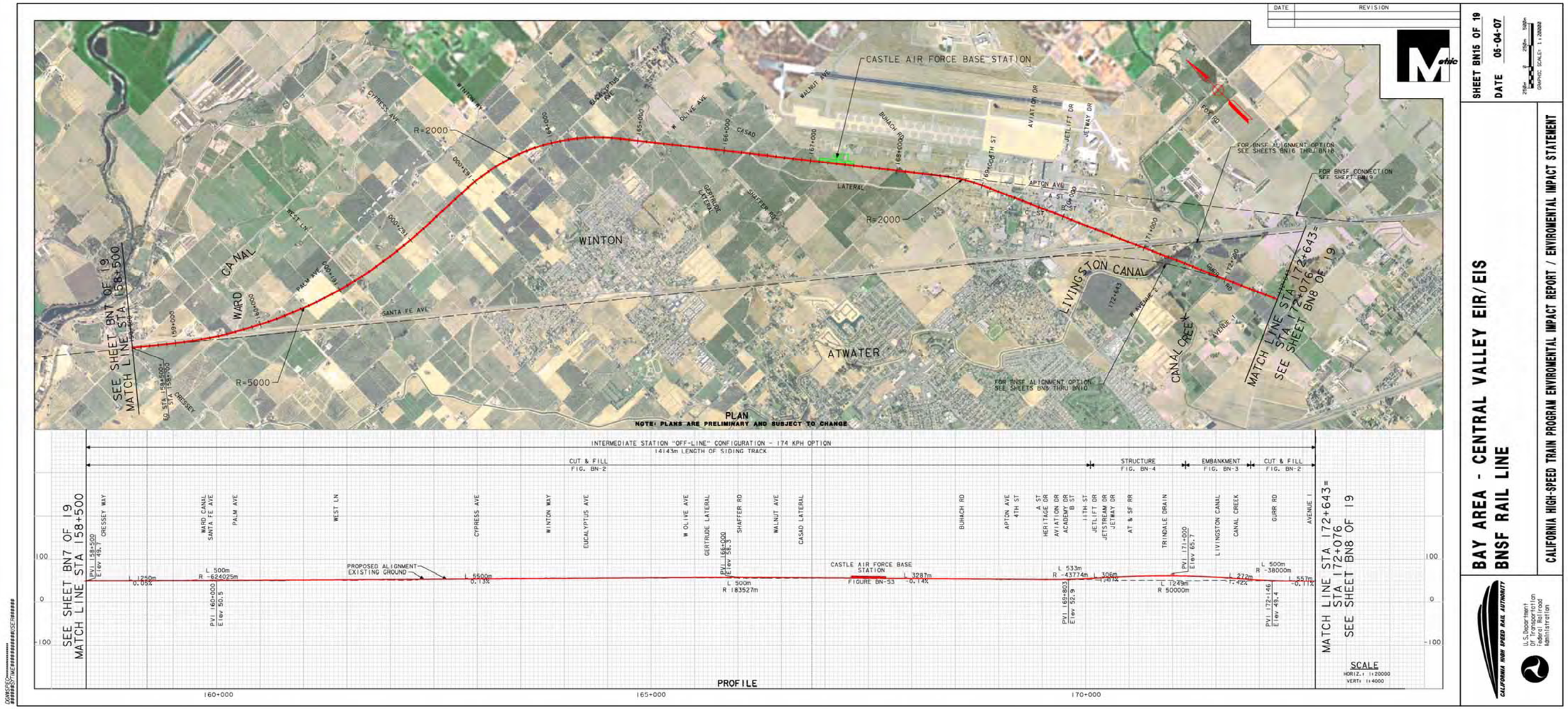
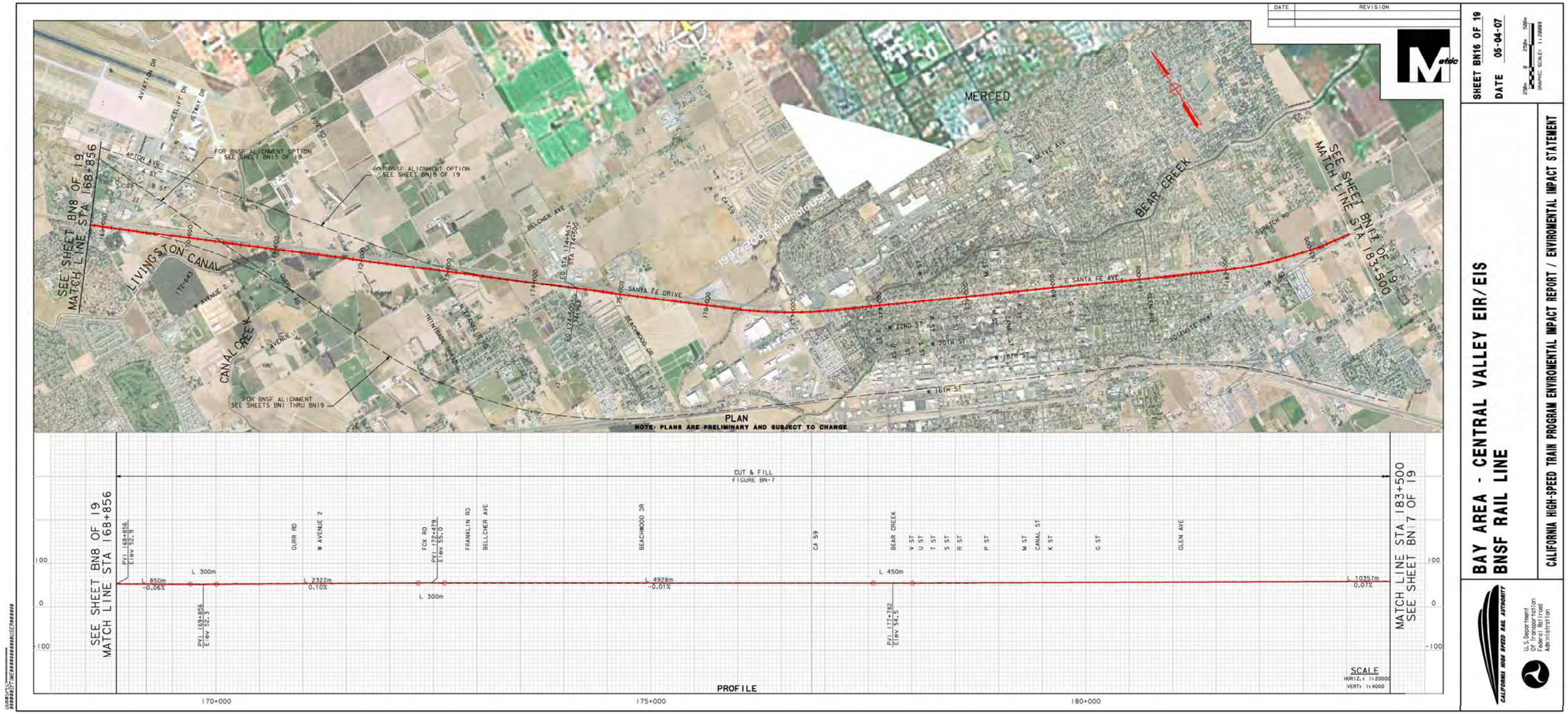

CASTLE AIR FORCE BASE STATION
WINTON
ATWATER
WARD CANAL
LIVINGSTON CANAL
CANAL CREEK
R=2000
R=5000
SEE SHEET BN7 OF 19
MATCH LINE STA 158+500
MATCH LINE STA 172+643=
STA 172+076
SEE SHEET BN8 OF 19
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
INTERMEDIATE STATION "OFF-LINE" CONFIGURATION - 174 KPH OPTION
14143m LENGTH OF SIDING TRACK
CUT & FILL FIG. BN-2
STRUCTURE FIG. BN-4
EMBANKMENT FIG. BN-3
CUT & FILL FIG. BN-2
PROPOSED ALIGNMENT
EXISTING GROUND
CASTLE AIR FORCE BASE STATION
FIGURE BN-53
PROFILE
SCALE
HORIZ.: 1:20000
VERT: 1:4000
160+000
165+000
170+000
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
CALIFORNIA HIGH-SPEED TRAIN PROGRAM ENVIRONMENTAL IMPACT REPORT / ENVIRONMENTAL IMPACT STATEMENT
SHEET BN15 OF 19
DATE 05-04-07
U.S. Department of Transportation Federal Railroad Administration


SEE SHEET BN8 OF 19
MATCH LINE STA 168+856
LIVINGSTON CANAL
CANAL CREEK
MERCED
BEAR CREEK
SEE SHEET BN17 OF 19
MATCH LINE STA 183+500
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL
FIGURE BN-7
PROFILE
SCALE
HORIZ. 1:20000
VERT. 1:4000
BAY AREA - CENTRAL VALLEY EIR/EIS
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SHEET BN16 OF 19
DATE 05-04-07

SEE SHEET BN16 OF 19
MATCH LINE STA 183+500
E BEAR CREEK DR
WOODLAND AVE
YOSEMITE PKWY
N TOWER RD
N ORCHARD DR
E CHILDS AVE
LINGARD
SR140
SANTA FE AVE
GERARD AVE
PLAINSBURG RD
PLAINSBURG
E MISSION AVE
MATCH LINE STA 196+000
SEE SHEET BN18 OF 19
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL
FIGURE BN-14
AT-GRADE
FIGURE BN-2
CUT & FILL
FIGURE BN-7
PVI 188+589
Elev 62.1
PVI 189+495
Elev 71.9
PVI 192+313
Elev 81.1
PVI 193+815
Elev 76.0
L 450m
L 531m
-1.08%
L 300m
L 2443m
0.33%
L 1052m
-0.34%
L 2247m
0.20%
PROFILE
185+000
190+000
195+000
SCALE
HORIZ.: 1:20000
VERT.: 1:4000
SHEET BN17 OF 19
DATE 05-04-07
BAY AREA - CENTRAL VALLEY EIR/EIS
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DATE 05-04-07
BAY AREA - CENTRAL VALLEY EIR/EIS
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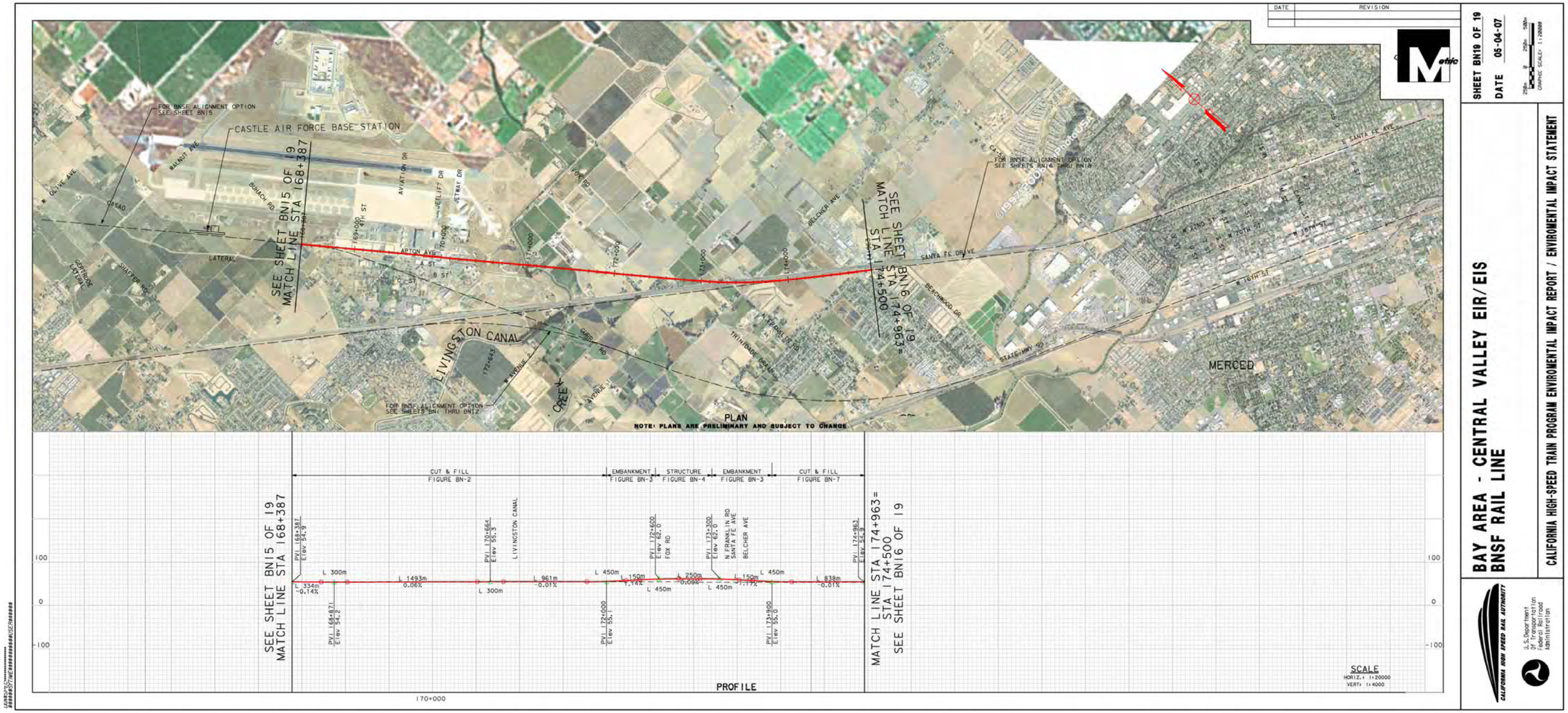
LE GRAND
SEE SHEET BN17 OF 19
MATCH LINE STA 196+000
MATCH LINE STA 201+224=
STA 201+657
SEE SHEET BN10 OF 19
FOR BNSF ALIGNMENT OPTION SEE SHEETS BN1 THRU BN12
PLAN
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
CUT & FILL
FIGURE BN-7
PROFILE
SCALE
195+000
200+000
205+000


DATE
REVISION
SHEET BN19 OF 19
DATE 05-04-07
GRAPHIC SCALE: 1:20000
CASTLE AIR FORCE BASE STATION
FOR BNSF ALIGNMENT OPTION SEE SHEET BN15
SEE SHEET BN15 OF 19 MATCH LINE STA 168+387
SEE SHEET BN16 OF 19 MATCH LINE STA 174+963= STA 174+500
FOR BNSF ALIGNMENT OPTION SEE SHEETS BN16 THRU BN18
FOR BNSF ALIGNMENT OPTION SEE SHEETS BN1 THRU BN12
LIVINGSTON CANAL
MERCED
SANTA FE DRIVE
STATE HWY 99
NOTE: PLANS ARE PRELIMINARY AND SUBJECT TO CHANGE
PLAN
CUT & FILL FIGURE BN-2
EMBANKMENT FIGURE BN-3
STRUCTURE FIGURE BN-4
EMBANKMENT FIGURE BN-3
CUT & FILL FIGURE BN-7
PVI 168+387 Elev 54.9
PVI 168+871 Elev 54.2
PVI 170+664 Elev 55.3
PVI 172+000 Elev 55.1
PVI 172+600 Elev 62.0
PVI 173+300 Elev 62.0
PVI 173+900 Elev 55.0
PVI 174+963 Elev 54.9
L 300m
L 334m -0.14%
L 1493m 0.06%
L 961m -0.01%
L 450m
L 150m 1.14%
L 250m 0.00%
L 150m 1.17%
L 838m -0.01%
PROFILE
170+000
SCALE
HORIZ. 1:20000
VERT. 1:4000
BAY AREA - CENTRAL VALLEY EIR/EIS
BNSF RAIL LINE
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