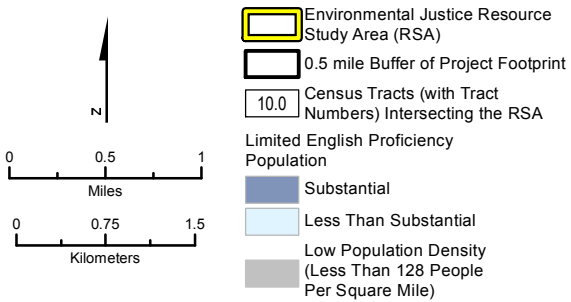


FILE: Y:\HSR_BP\GIS\MXDs\5.2.7_CIAVEIR_EIS\CIA_EJ_LimitedEnglishProficiency.mxd (9/30/2019)

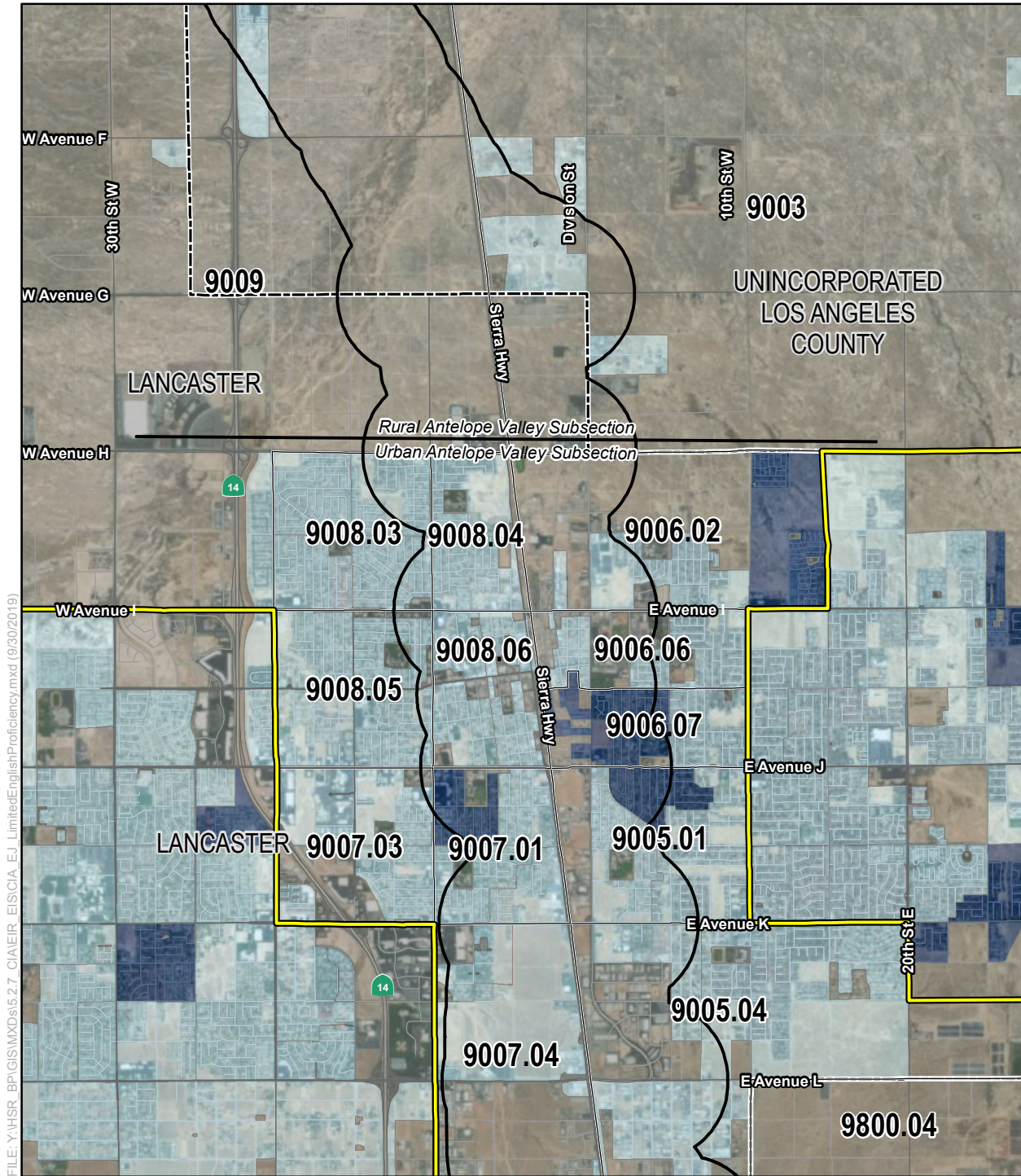
PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)



City/Census Designated Place

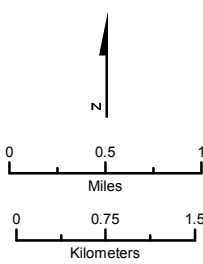
Note: Substantial Limited English Proficiency (LEP) populations are identified in Census block groups where the LEP population percentage (households where all members 14 years old and over have at least some difficulty speaking English) exceeds the countywide average. (9.1 percent for Kern County; 14.5 percent for Los Angeles County)

Figure 5-A-5
 Limited English Proficiency Populations in the Environmental Justice Resource Study Area
 Page 10 of 12



FILE: Y:\HSR_BP\GIS\IMXD\5.2.7_CIA\ENR_EIS\CIA_EJ_LimitedEnglishProficiency.mxd (9/30/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

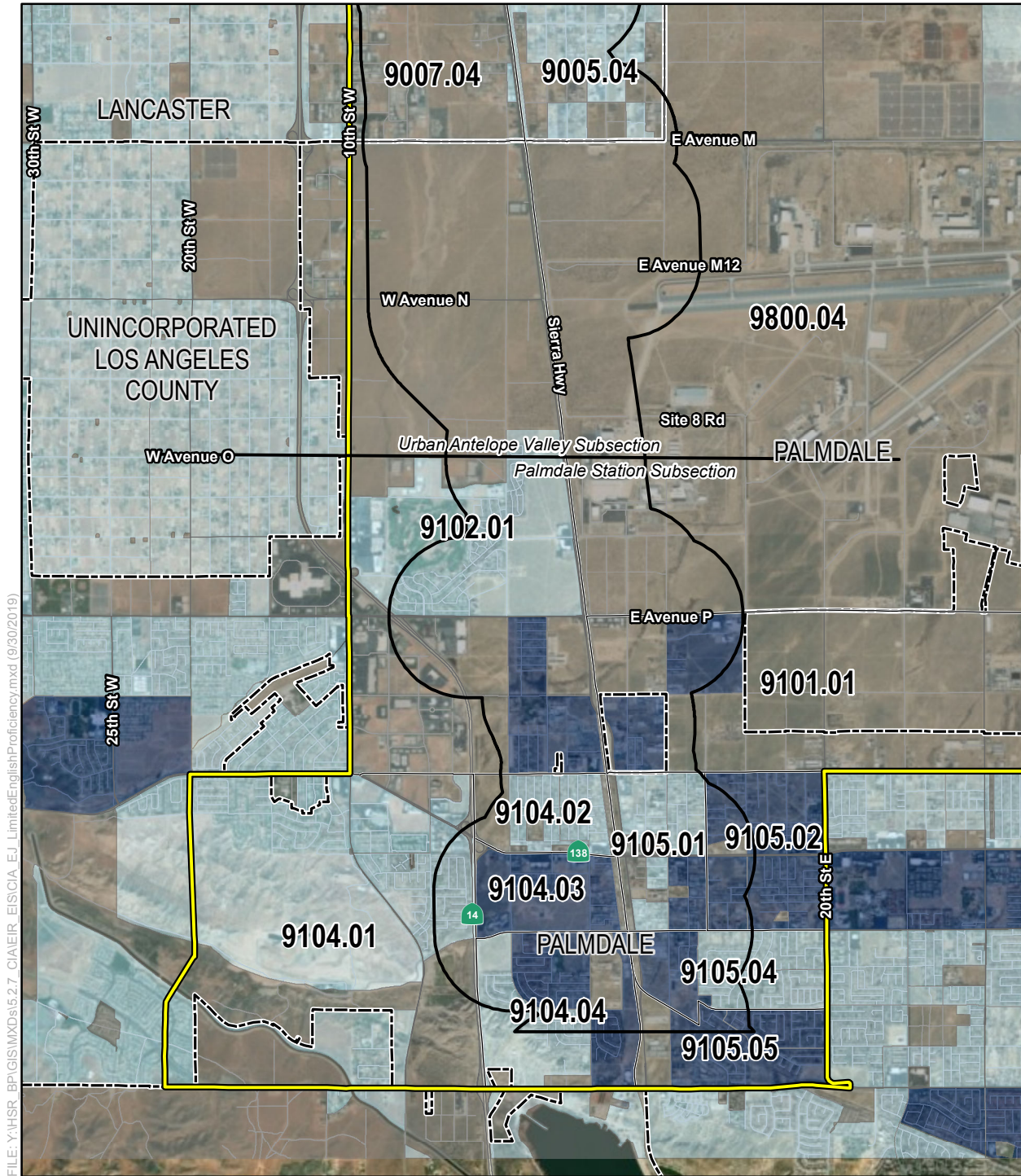


- Environmental Justice Resource Study Area (RSA)
- 0.5 mile Buffer of Project Footprint
- 10.0 Census Tracts (with Tract Numbers) Intersecting the RSA
- Limited English Proficiency Population
 - Substantial
 - Less Than Substantial
 - Low Population Density (Less Than 128 People Per Square Mile)

City/Census Designated Place

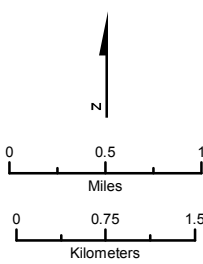
Note: Substantial Limited English Proficiency (LEP) populations are identified in Census block groups where the LEP population percentage (households where all members 14 years old and over have at least some difficulty speaking English) exceeds the countywide average. (9.1 percent for Kern County; 14.5 percent for Los Angeles County)

Figure 5-A-5
 Limited English Proficiency Populations in the Environmental Justice Resource Study Area
 Page 11 of 12



FILE: Y:\HSR_BPG\GIS\MXDs\5.2.7_CIA\ENR_EIS\CIA_EJ_LimitedEnglishProficiency.mxd (9/30/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

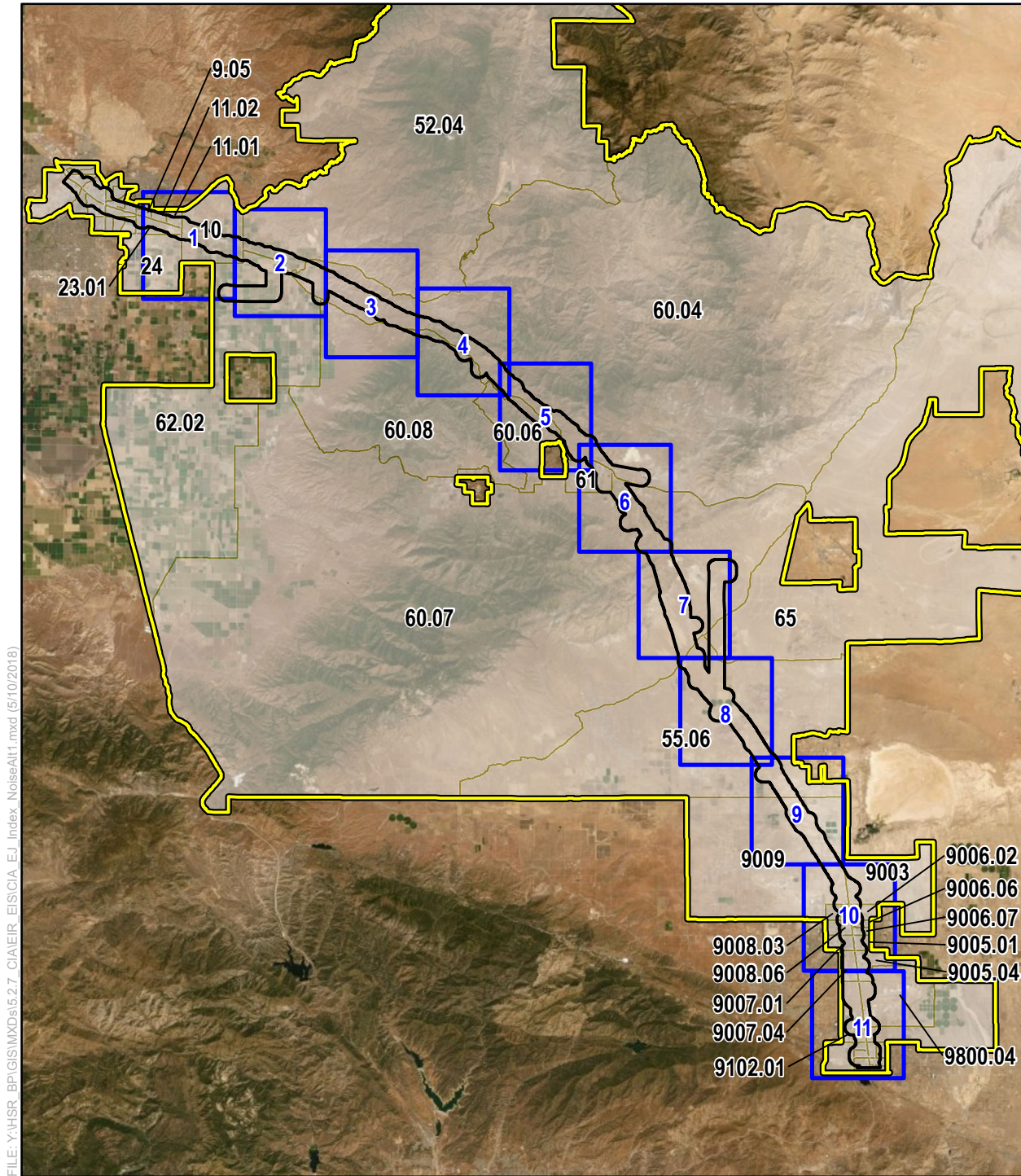


- Environmental Justice Resource Study Area (RSA)
- 0.5 mile Buffer of Project Footprint
- 10.0 Census Tracts (with Tract Numbers) Intersecting the RSA
- Limited English Proficiency Population
 - Substantial
 - Less Than Substantial
 - Low Population Density (Less Than 128 People Per Square Mile)

City/Census Designated Place

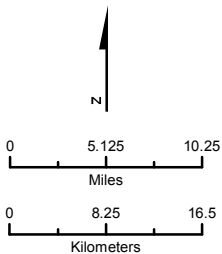
Note: Substantial Limited English Proficiency (LEP) populations are identified in Census block groups where the LEP population percentage (households where all members 14 years old and over have at least some difficulty speaking English) exceeds the countywide average. (9.1 percent for Kern County; 14.5 percent for Los Angeles County)

Figure 5-A-5
 Limited English Proficiency Populations in the Environmental Justice Resource Study Area
 Page 12 of 12



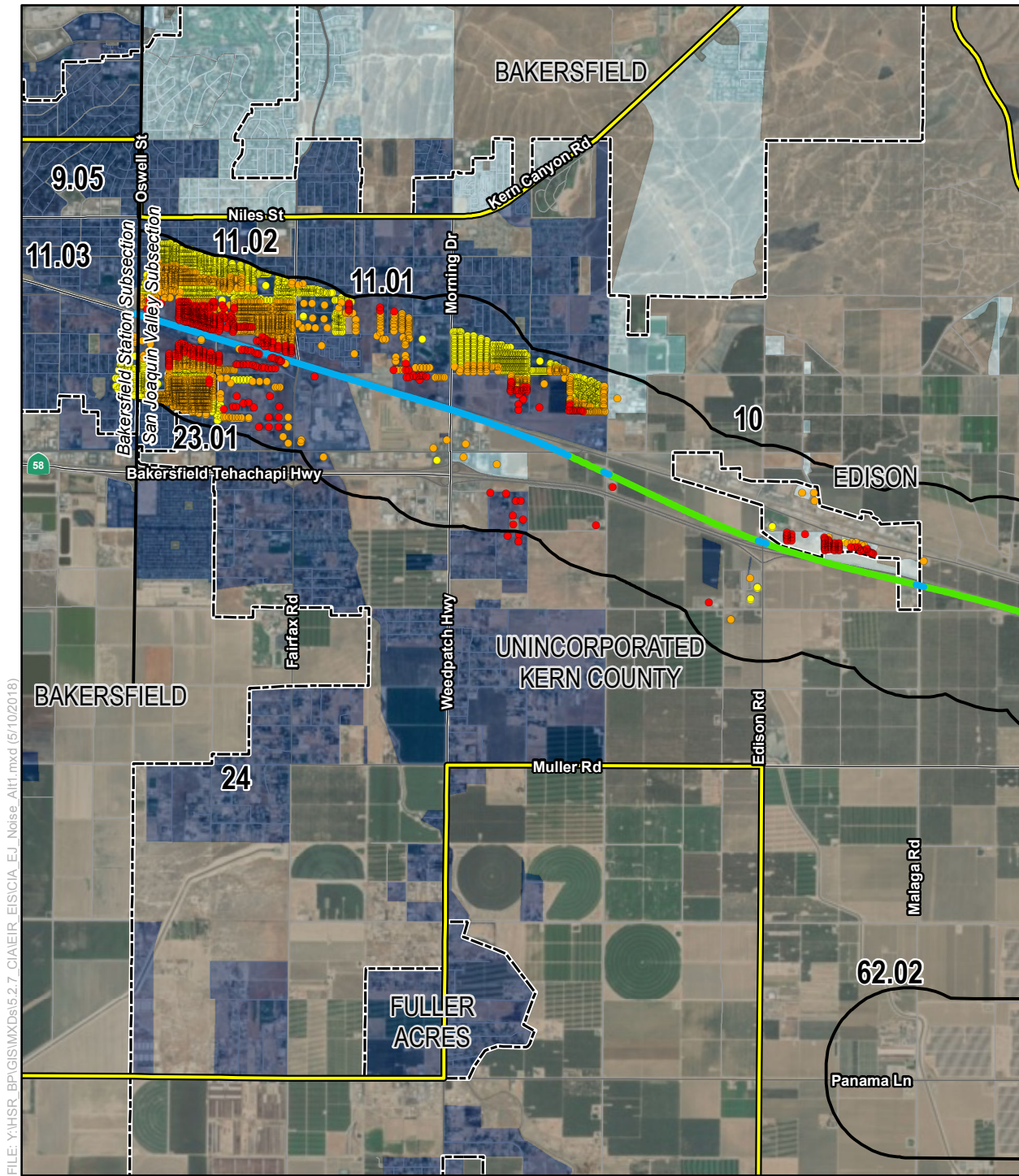
FILE: Y:\HSR_BP\GIS\MXDs\5.2.7_CIAVEIR_EIS\CIA_EJ_Index_NoiseAlt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)



- Noise Receptor Impacts Page Index
- Environmental Justice Resource Study Area (RSA)
- 0.5 mile Buffer of Project Footprint
- Census Tracts Intersecting the RSA

Figure 5-A-6
 Operation-Phase
 Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 in the Environmental Justice
 Resource Study Area
 Map Index for Pages 11-11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

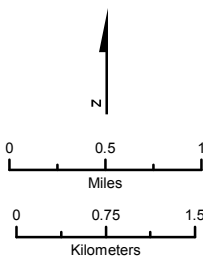
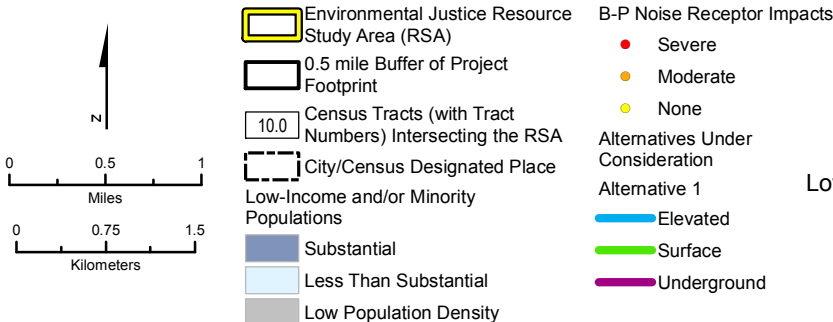
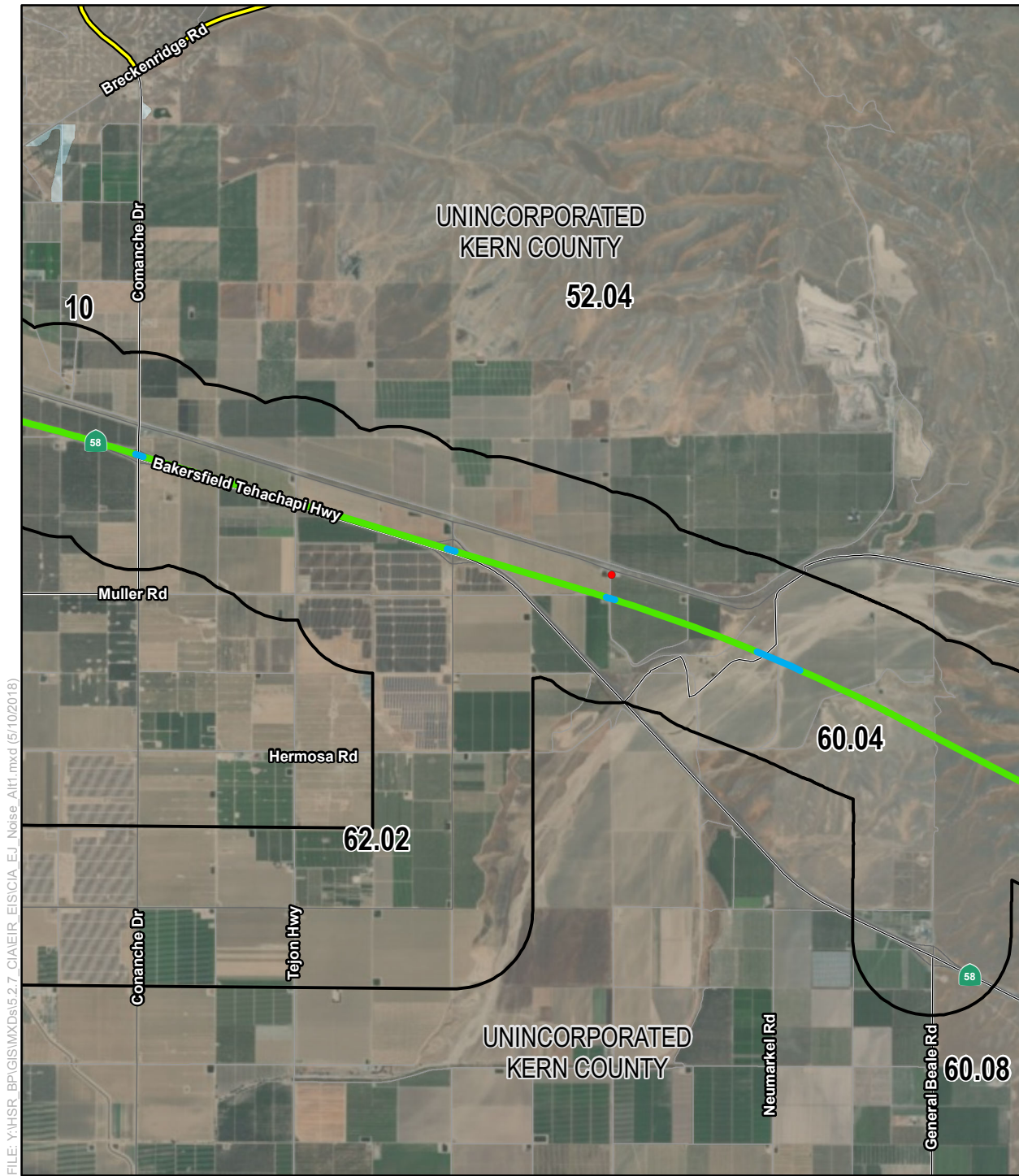


Figure 5-A-6

Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 1 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CA_EJ_Noise_Alt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

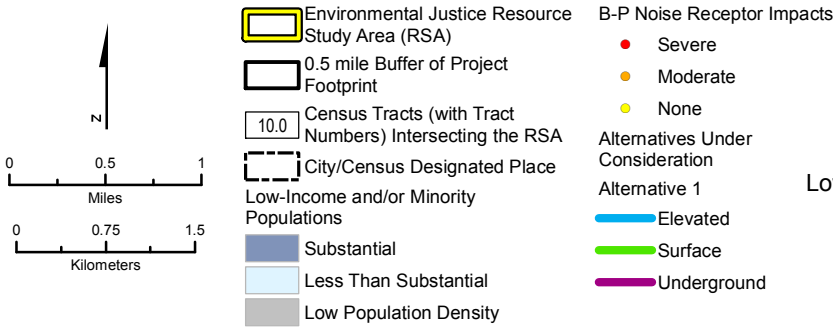
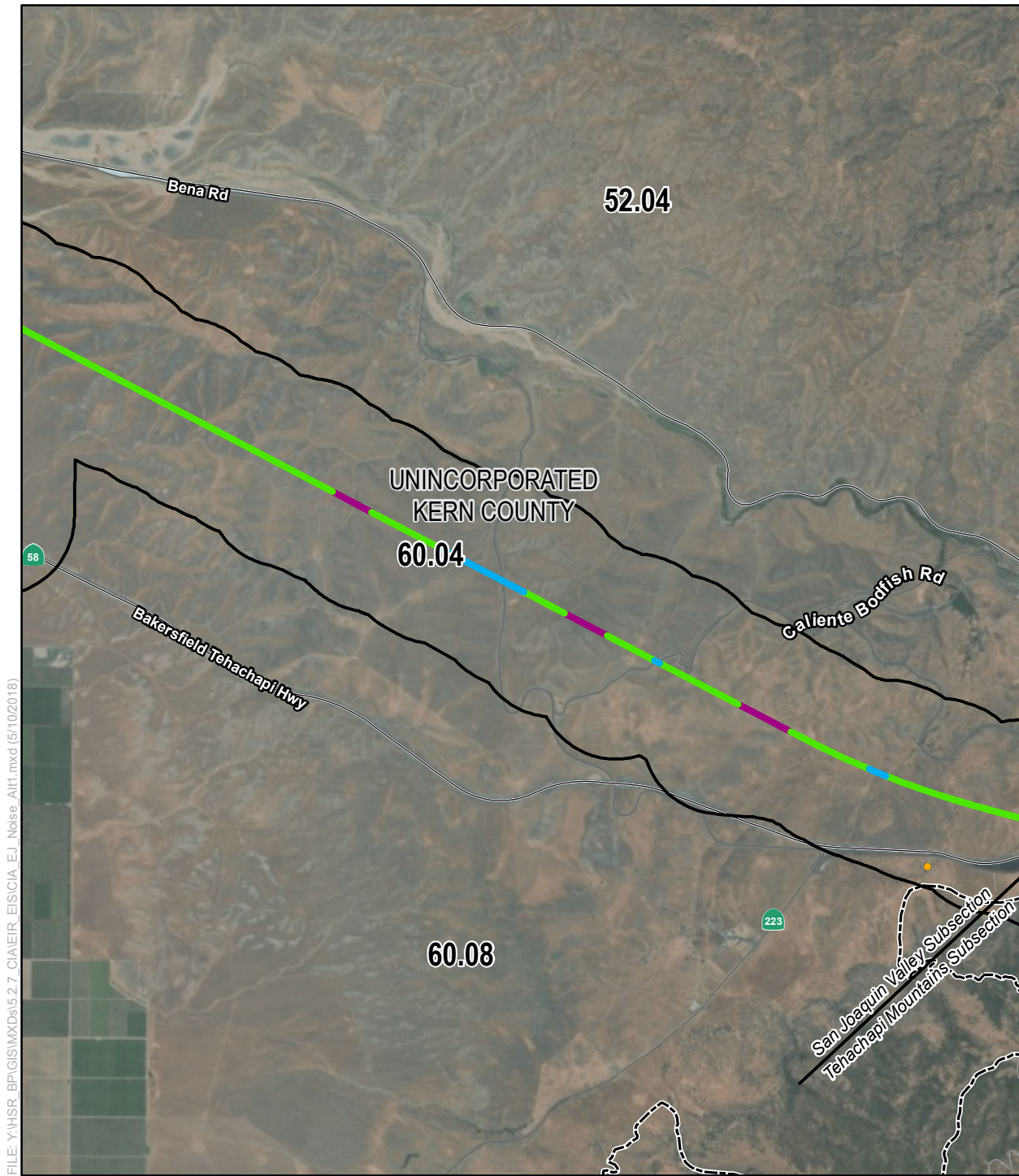


Figure 5-A-6

Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 2 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

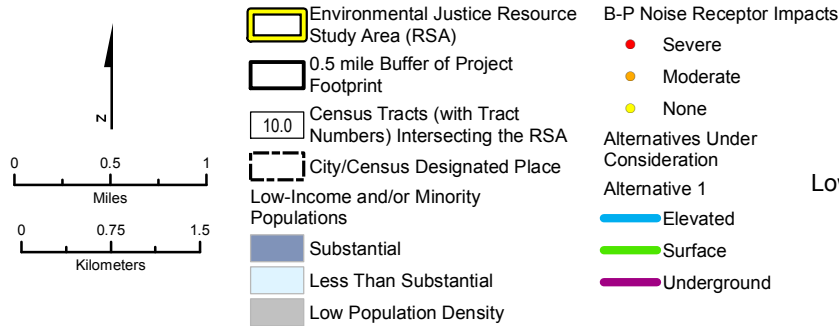
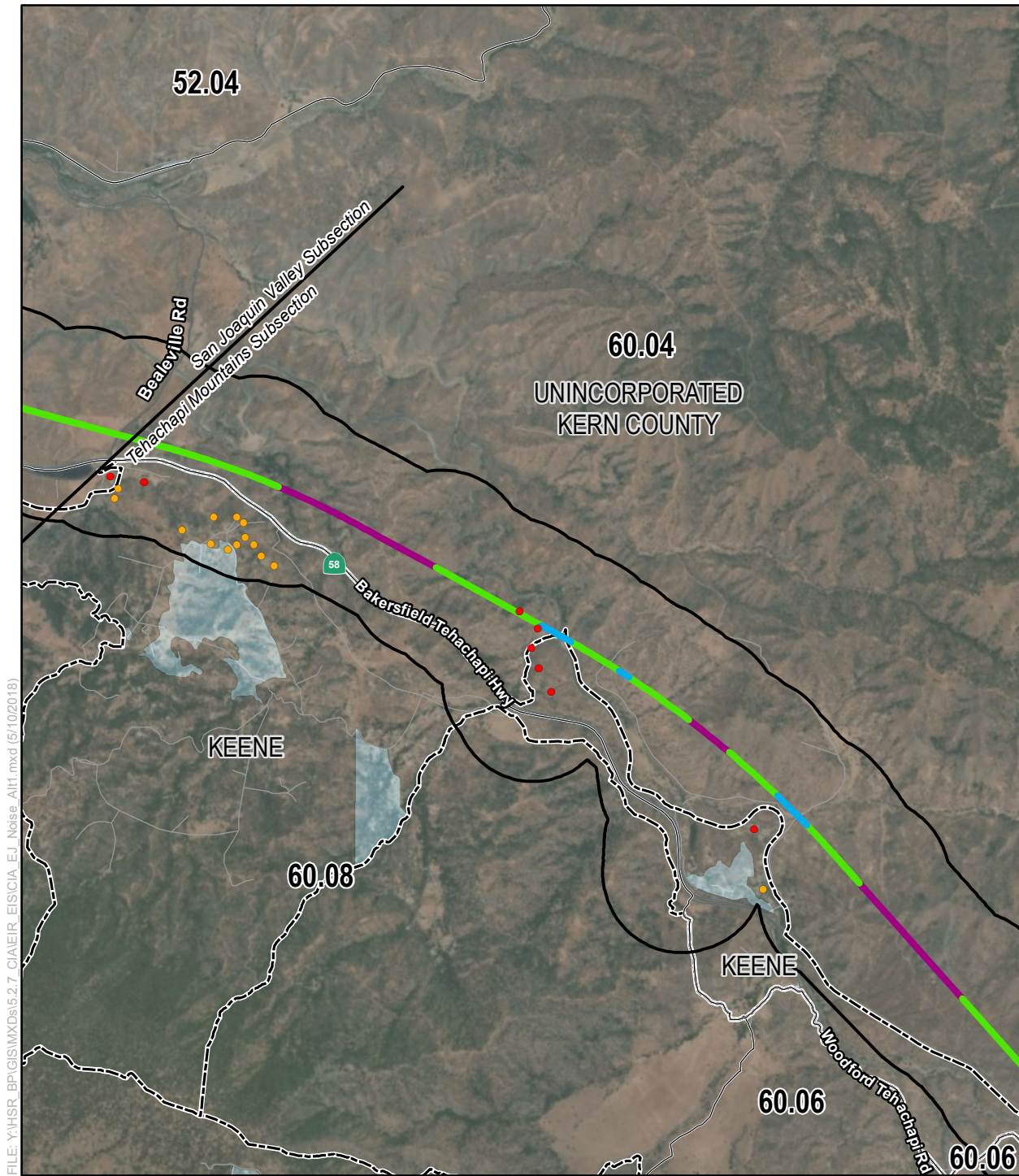


Figure 5-A-6

Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 3 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

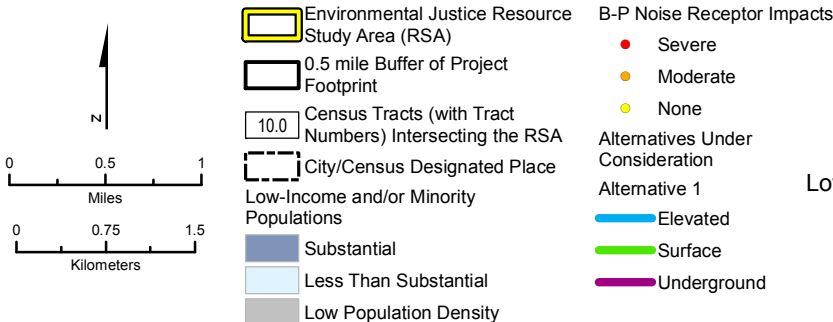
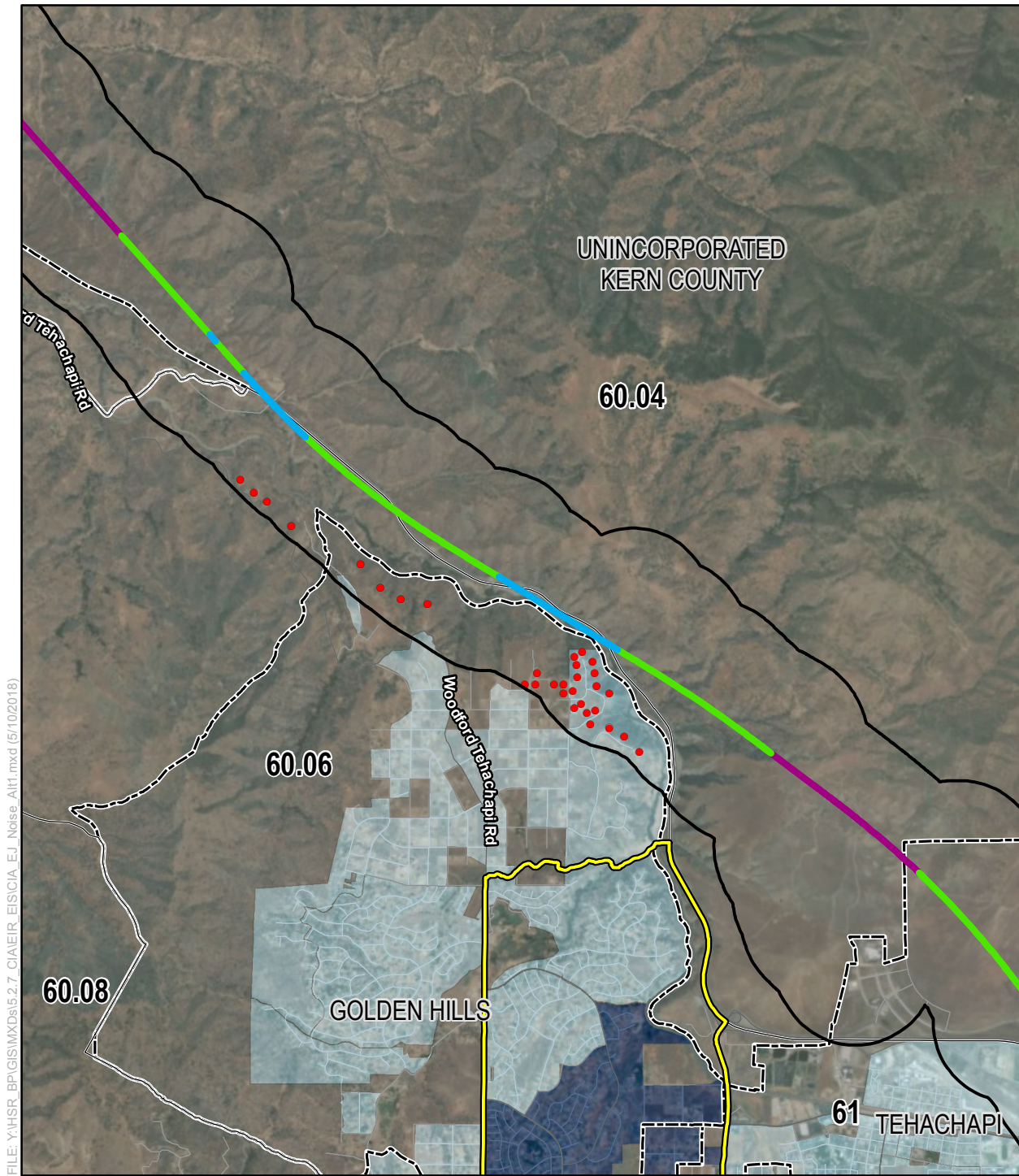


Figure 5-A-6
 Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 4 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

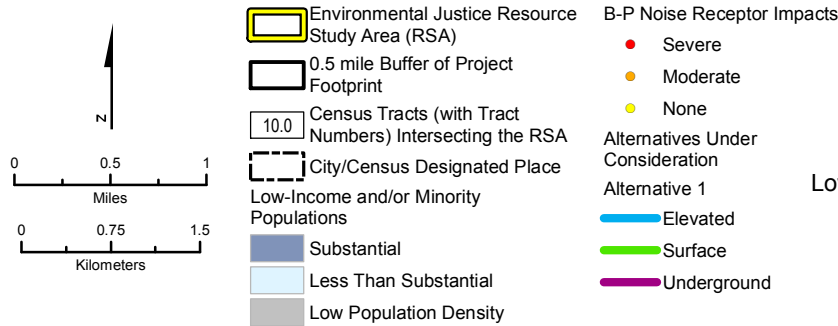
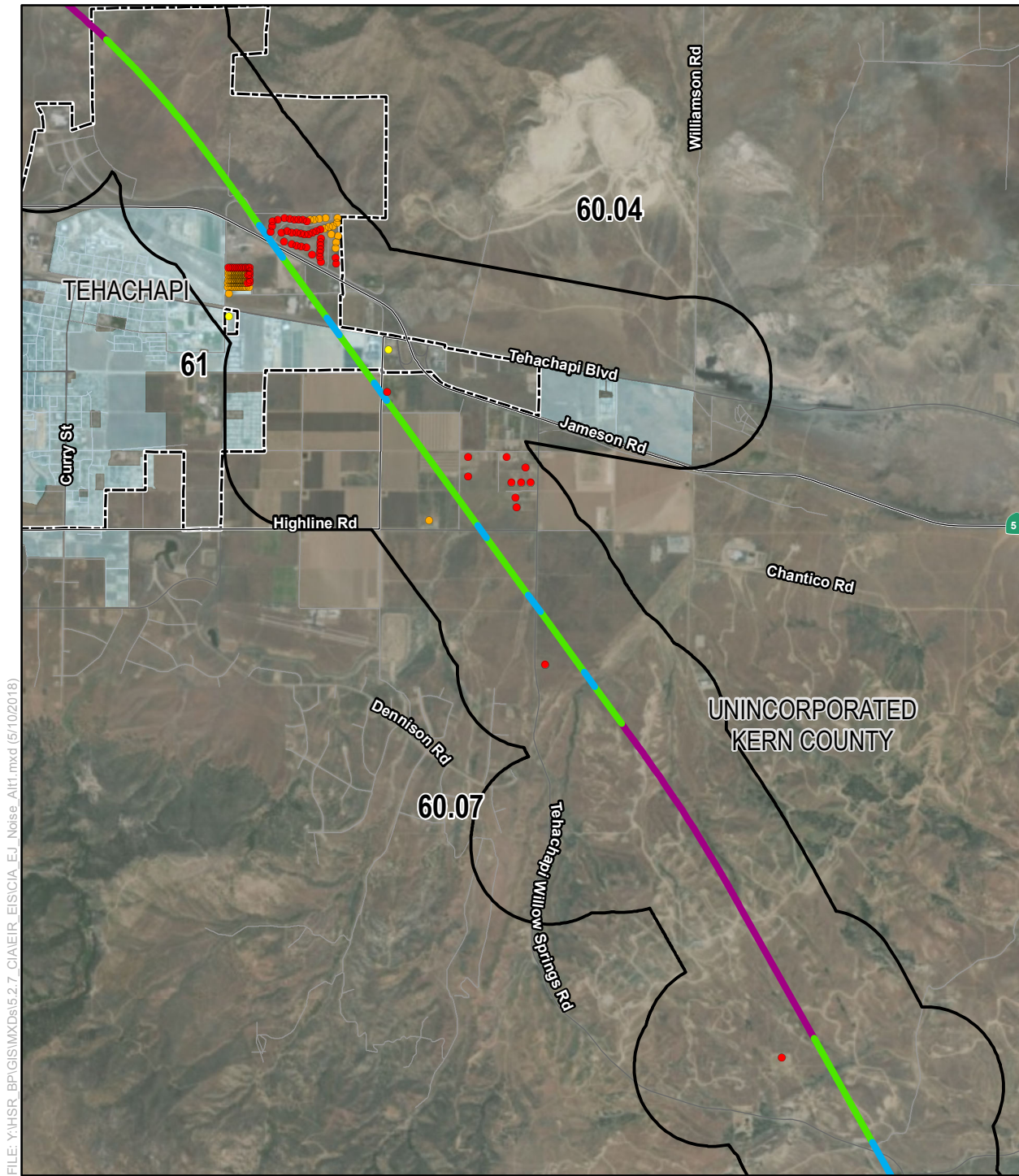


Figure 5-A-6
 Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 5 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

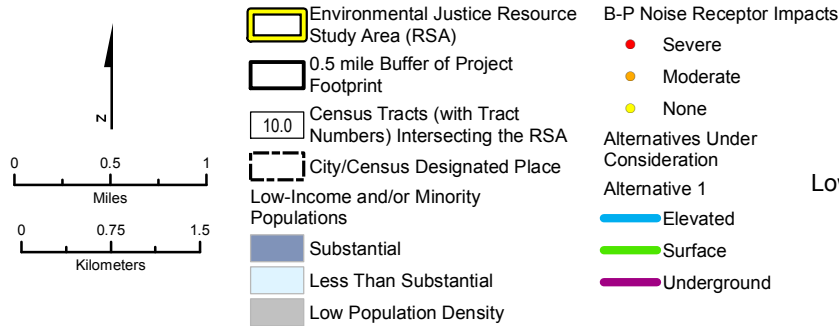
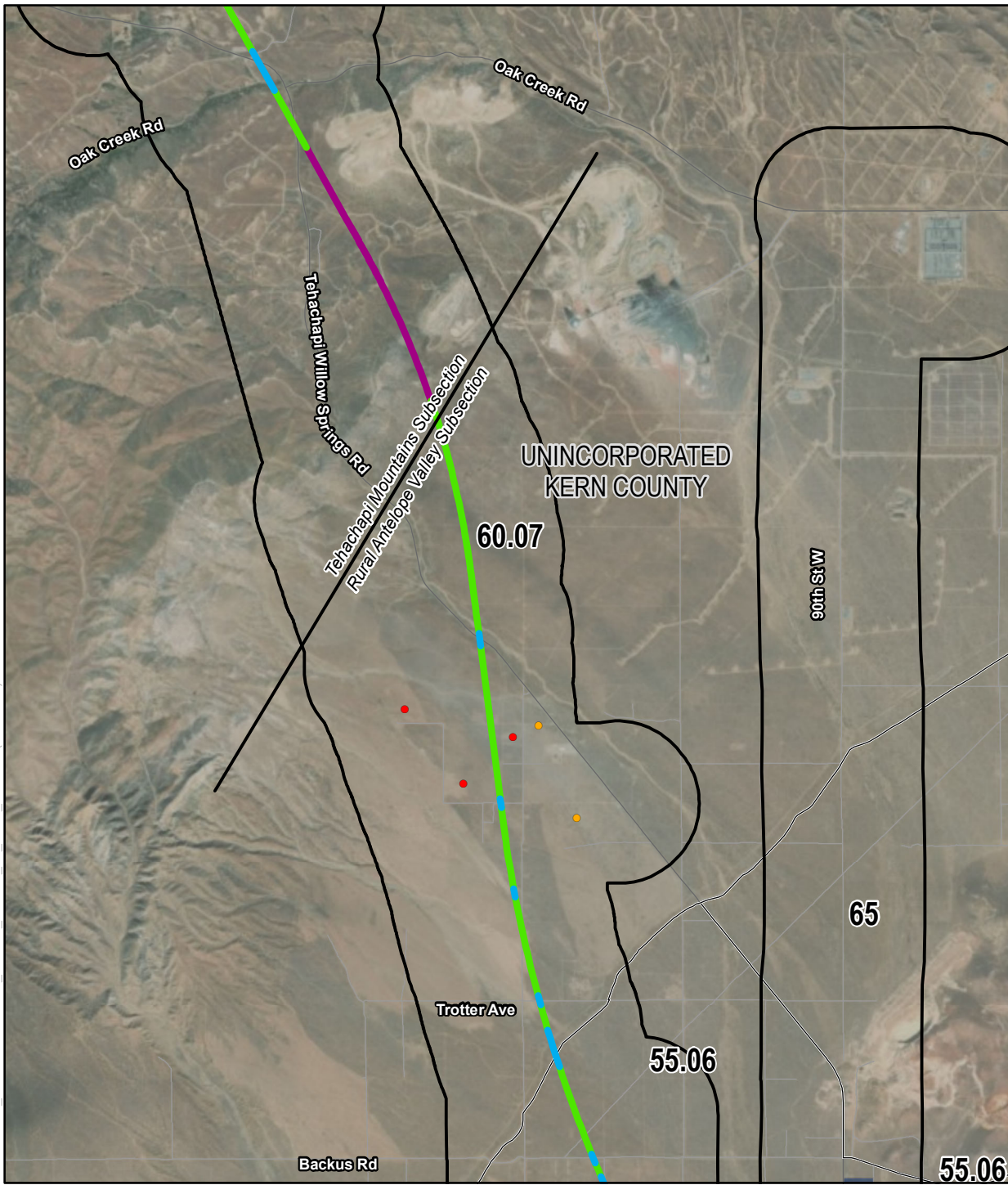


Figure 5-A-6
 Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 6 of 11

FILE: Y:\HSR_BP\GIS\MXDs\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt1.mxd (5/10/2018)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

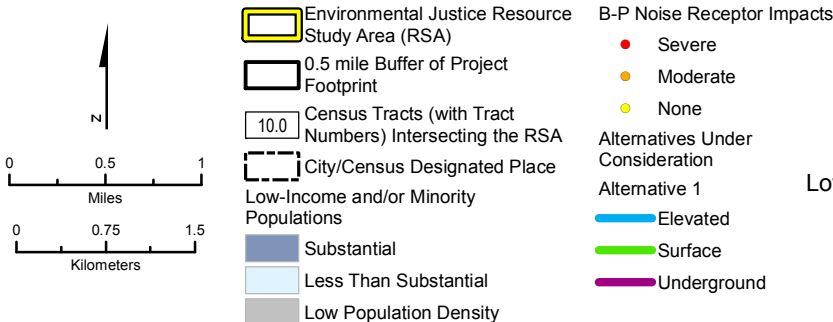
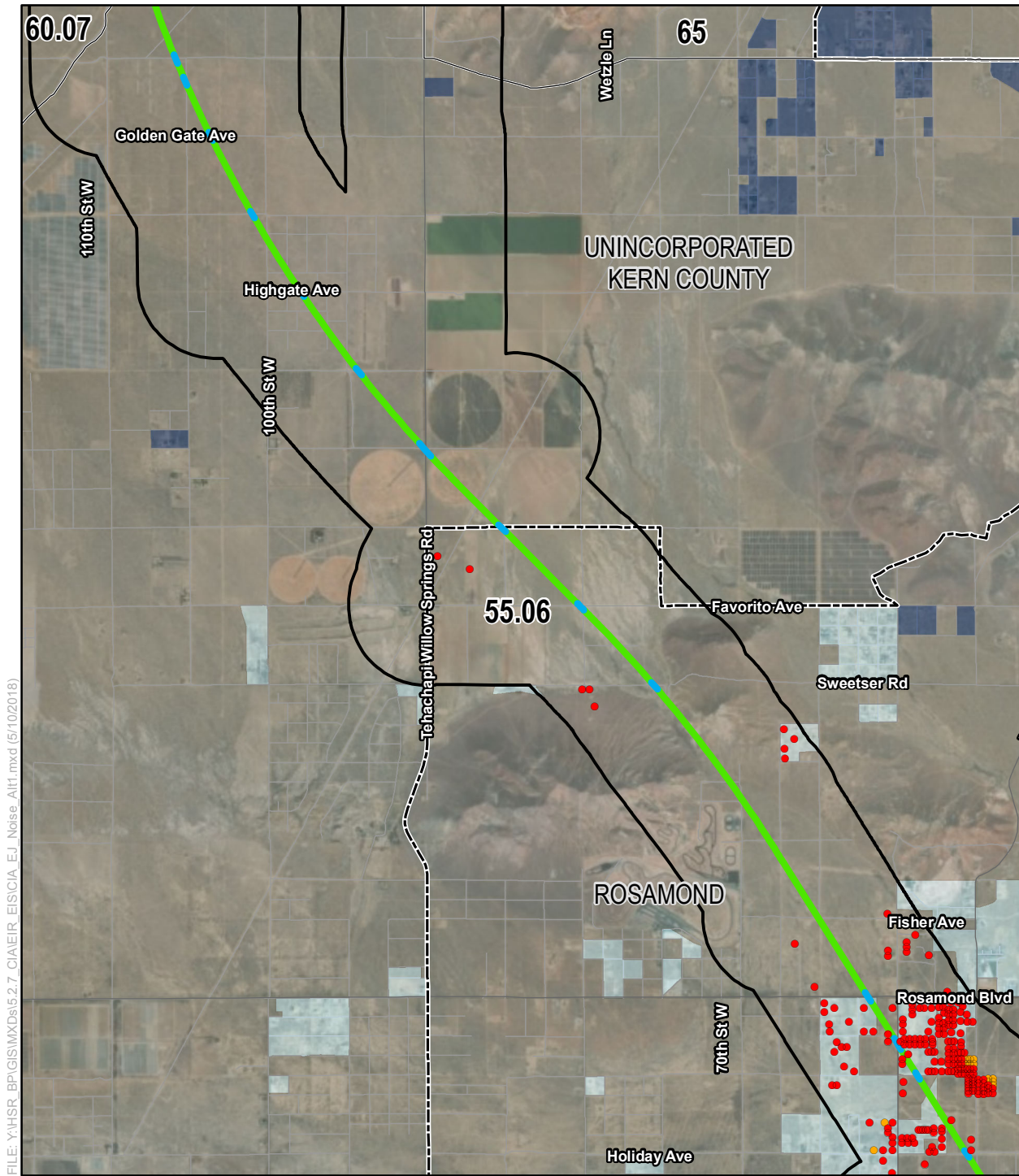


Figure 5-A-6

Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 7 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

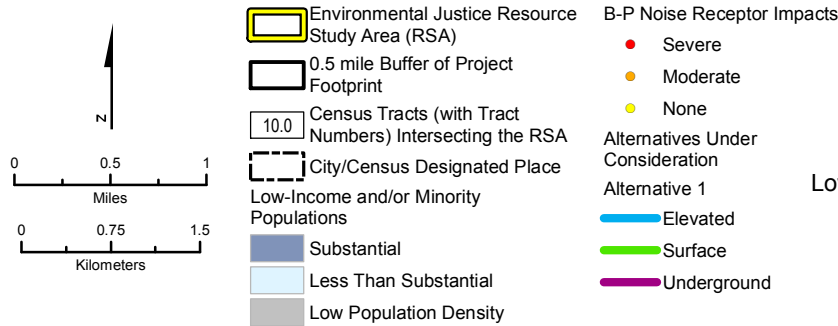
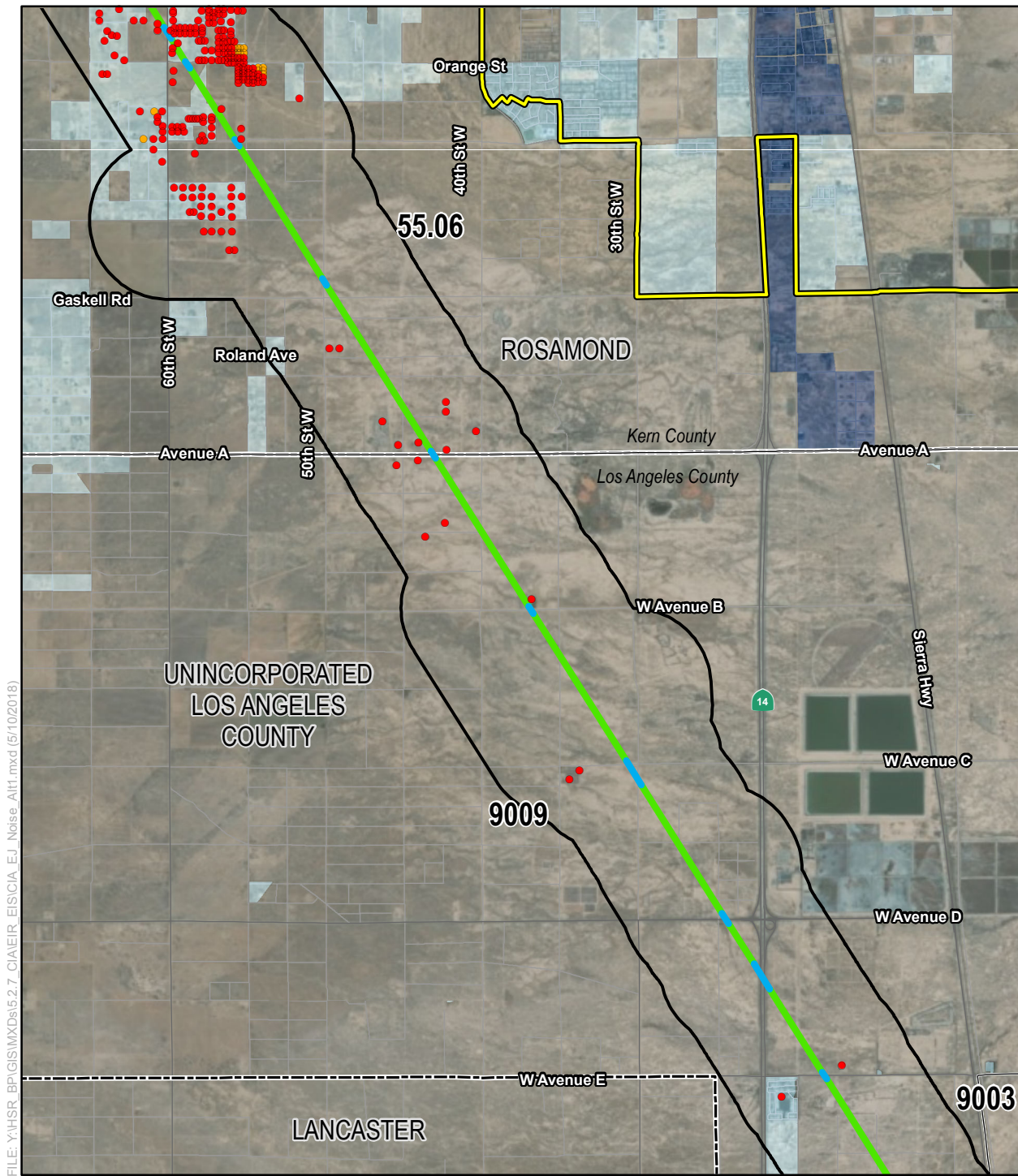


Figure 5-A-6

Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 8 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

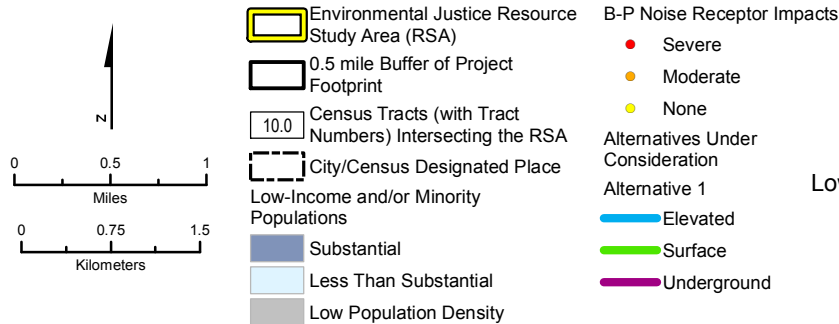
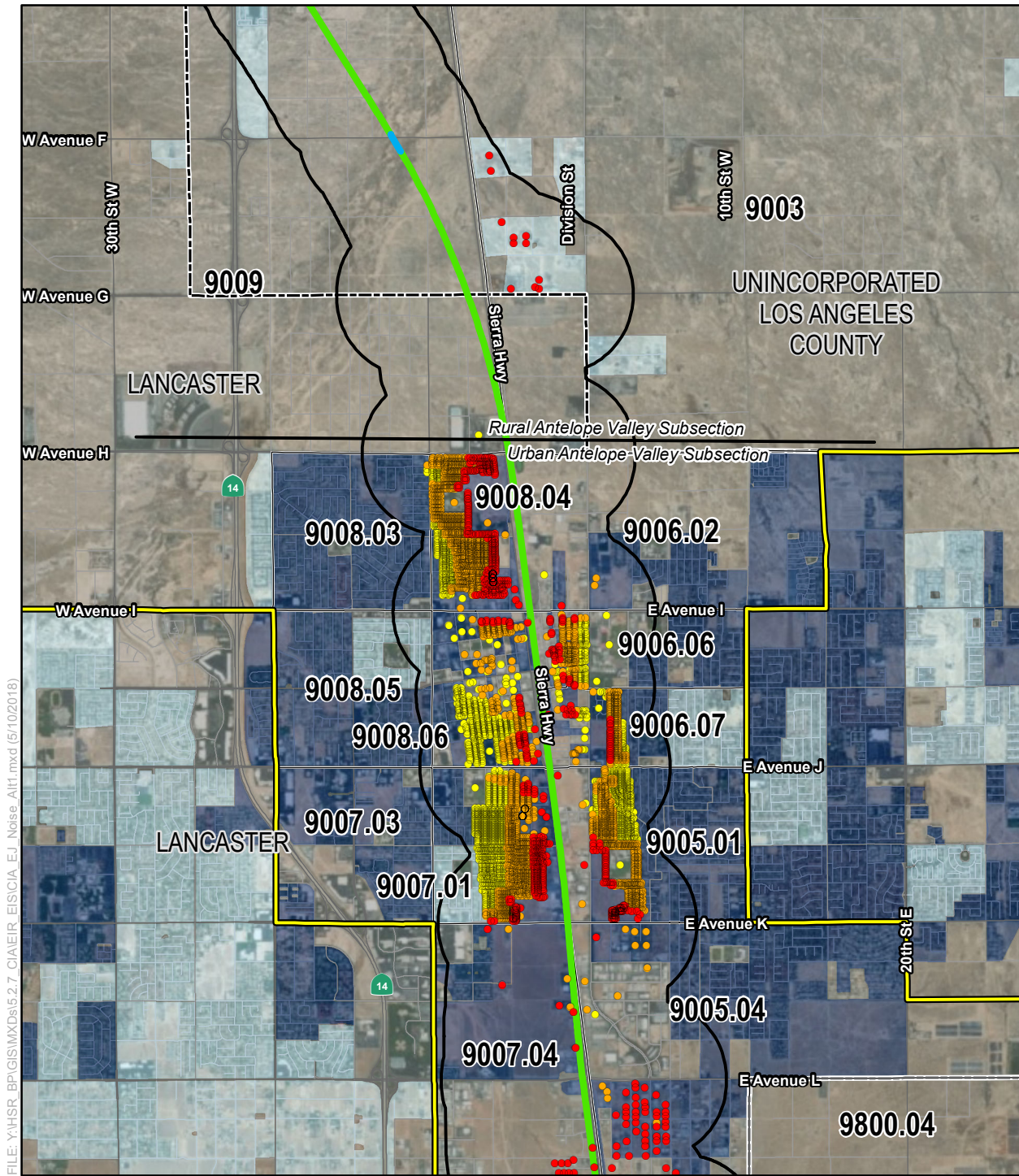


Figure 5-A-6

Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 9 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

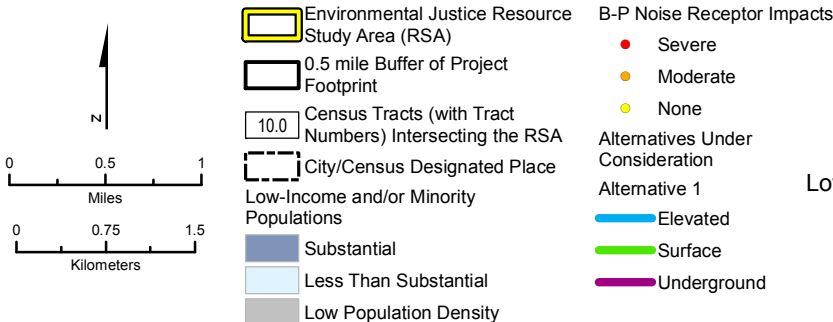
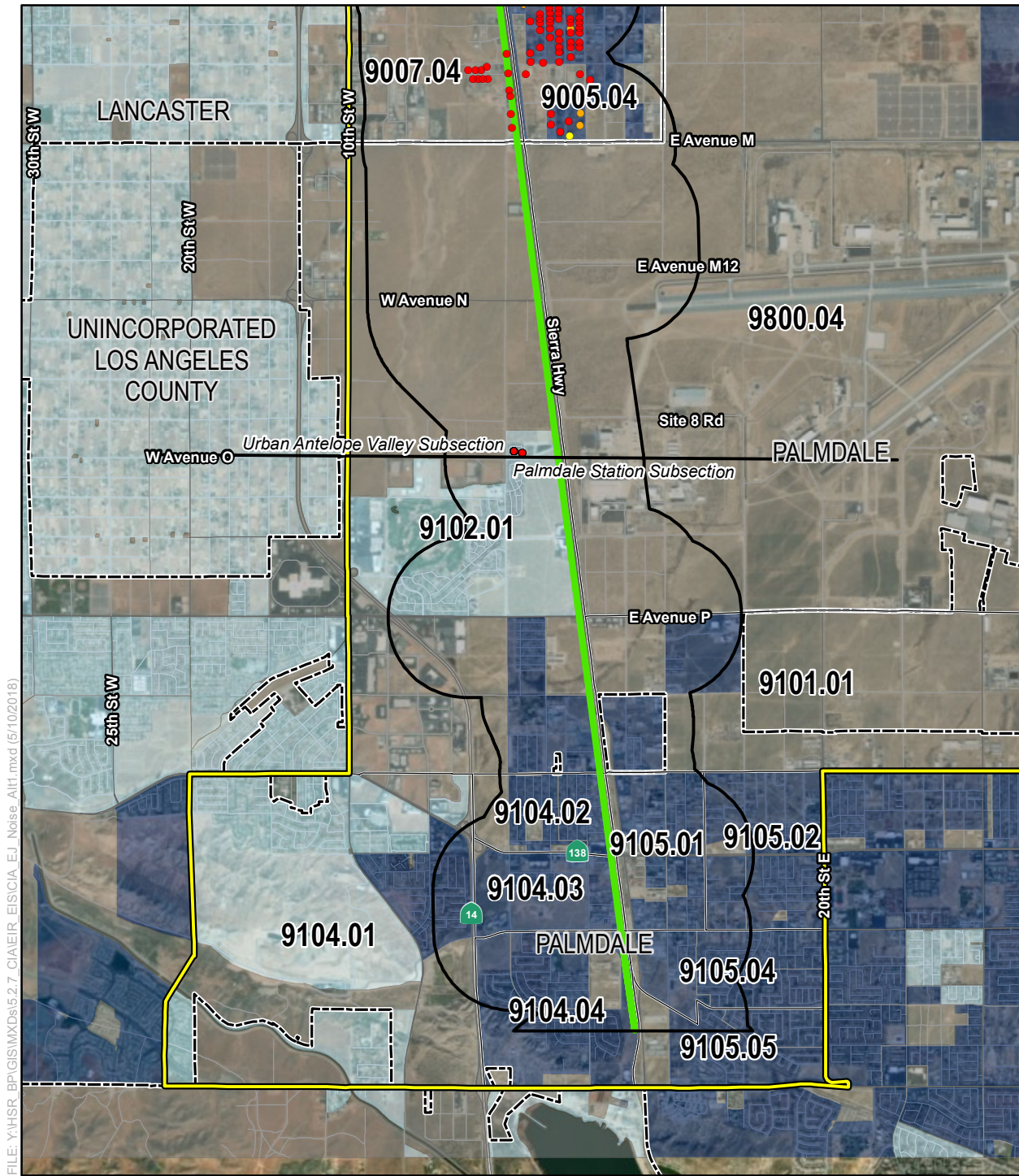


Figure 5-A-6

Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 10 of 11



FILE: Y:\HSR_BP\GIS\MXDs\5.2.7_CIA\EIR_EIS\CA_EJ_Noise_Alt1.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

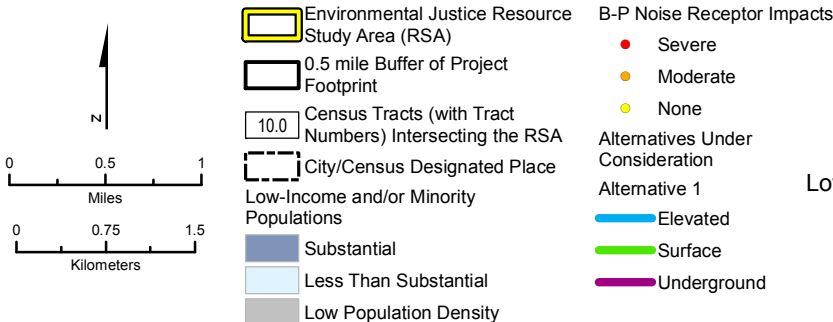
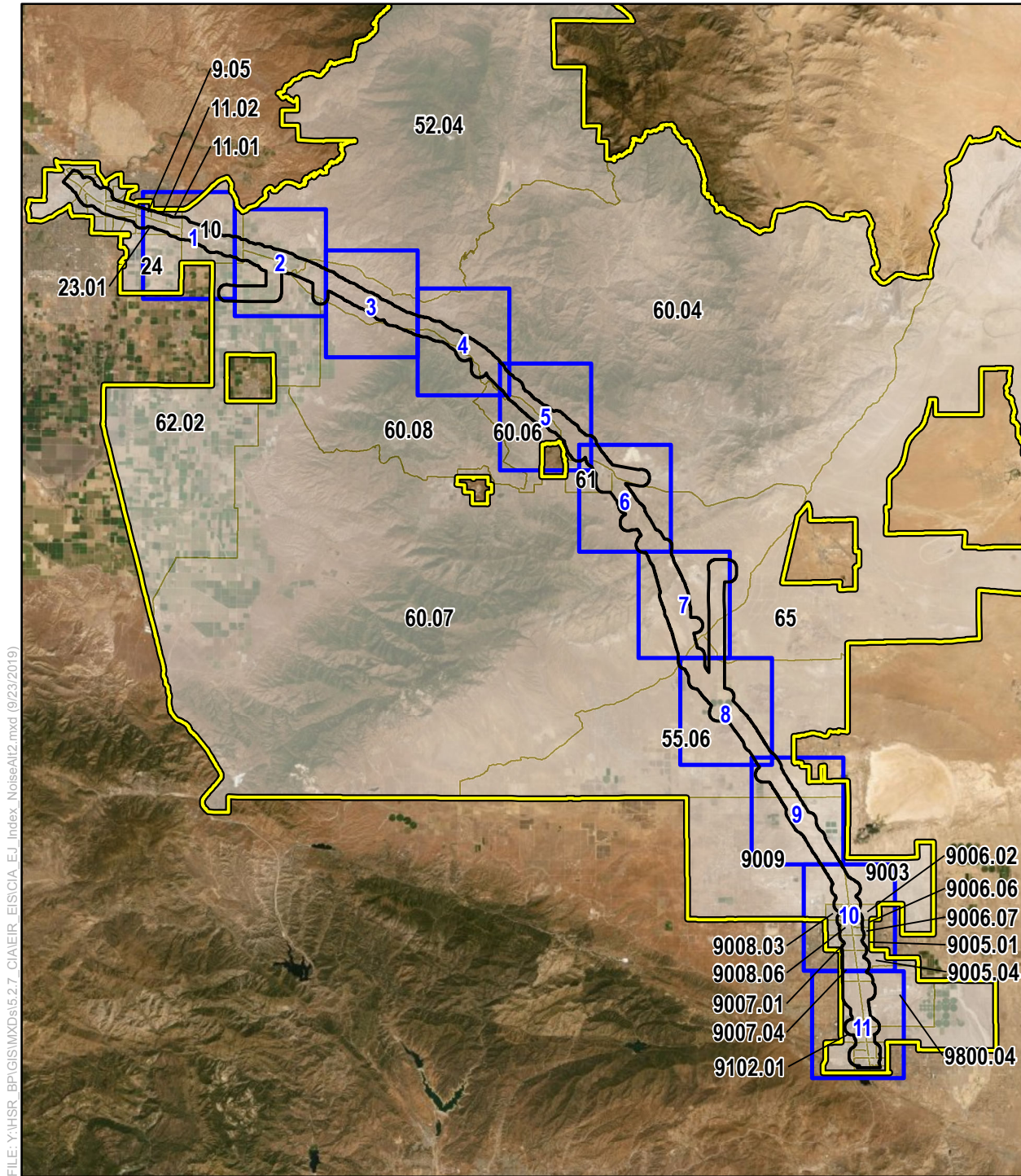
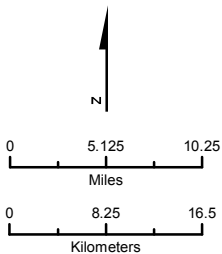


Figure 5-A-6

Operation-Phase Alternative 1
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 11 of 11

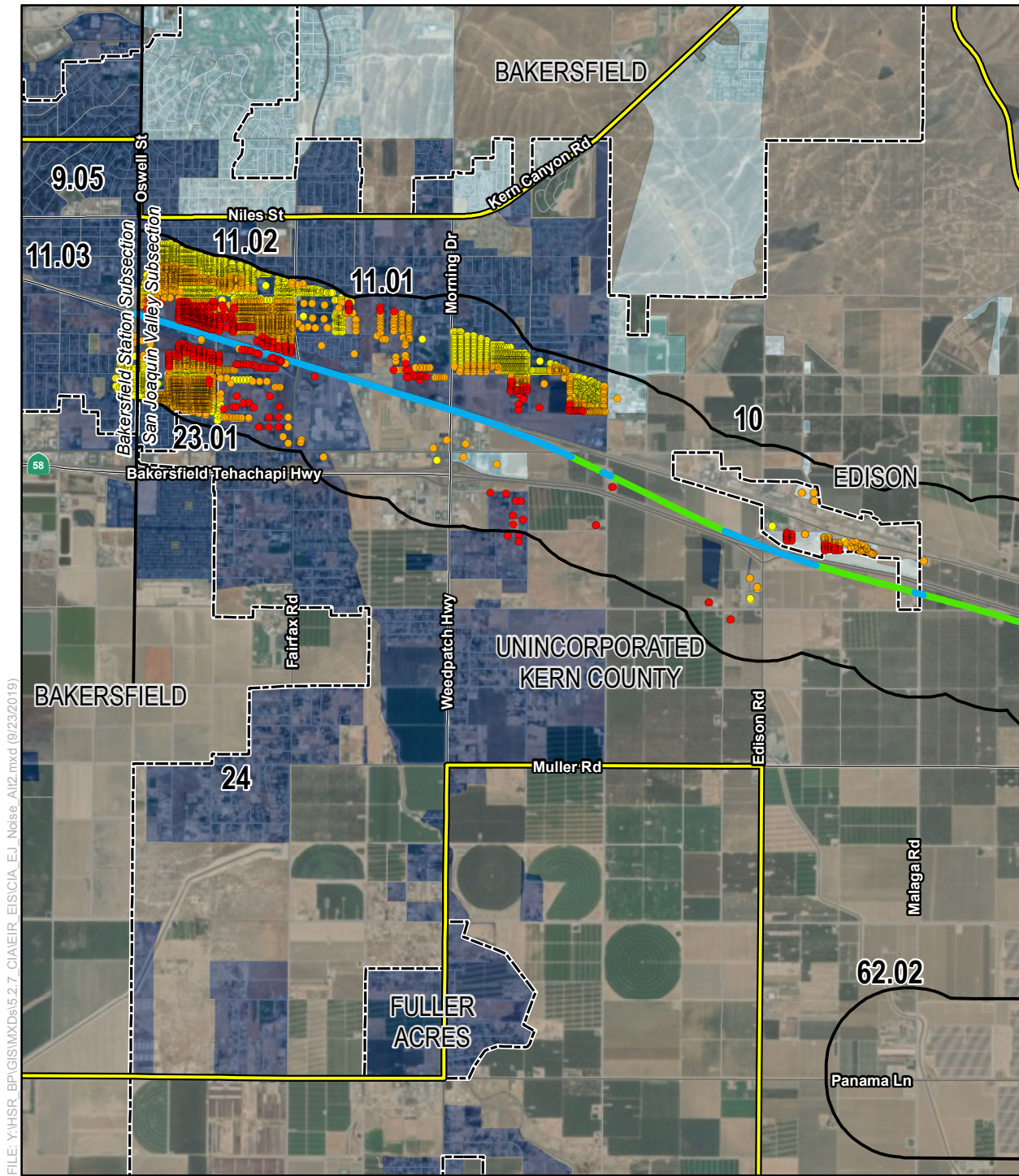


PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)



- Noise Receptor Impacts Page Index
- Environmental Justice Resource Study Area (RSA)
- 0.5 mile Buffer of Project Footprint
- Census Tracts Intersecting the RSA

Figure 5-A-7
 Operation-Phase
 Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 in the Environmental Justice
 Resource Study Area
 Map Index for Pages 11-11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

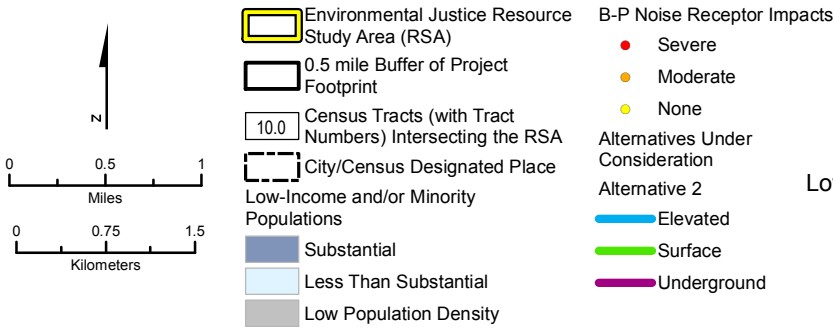
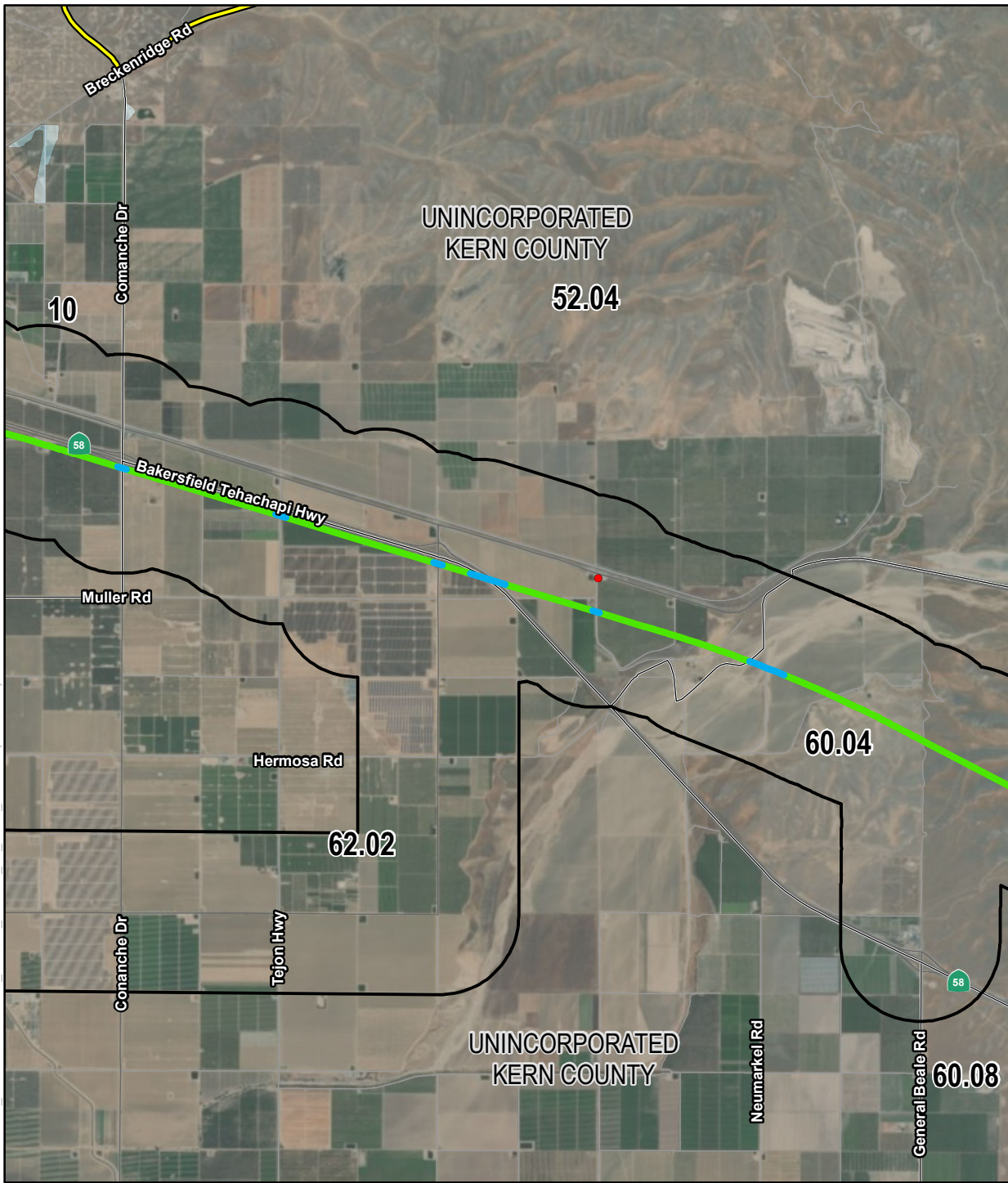


Figure 5-A-7
 Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 1 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CA_EJ_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

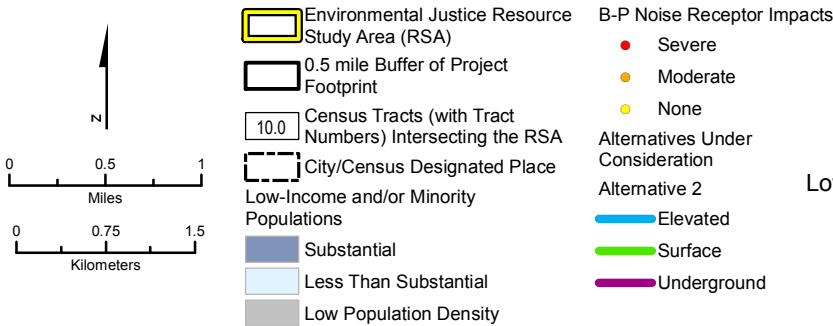
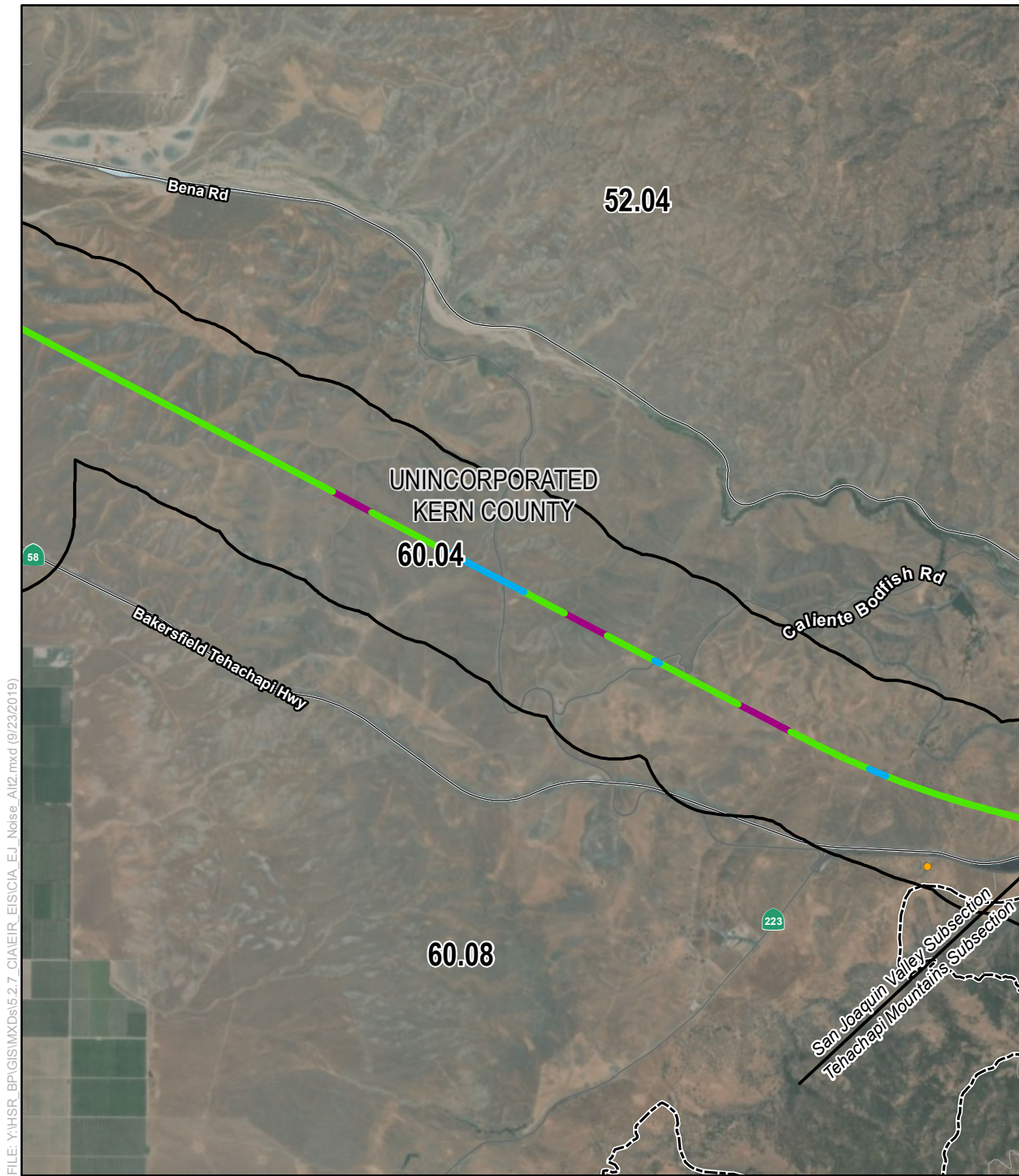


Figure 5-A-7
 Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 2 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EI_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

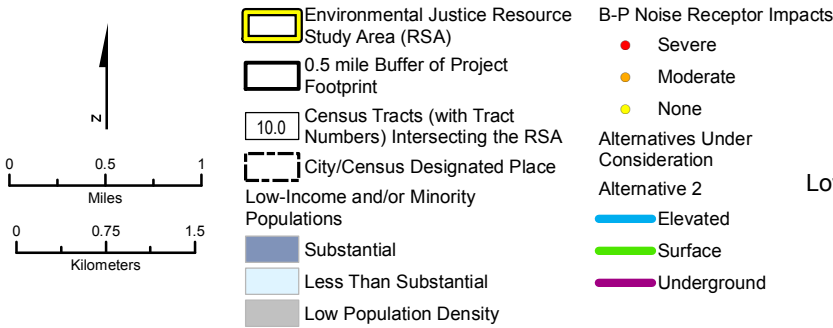
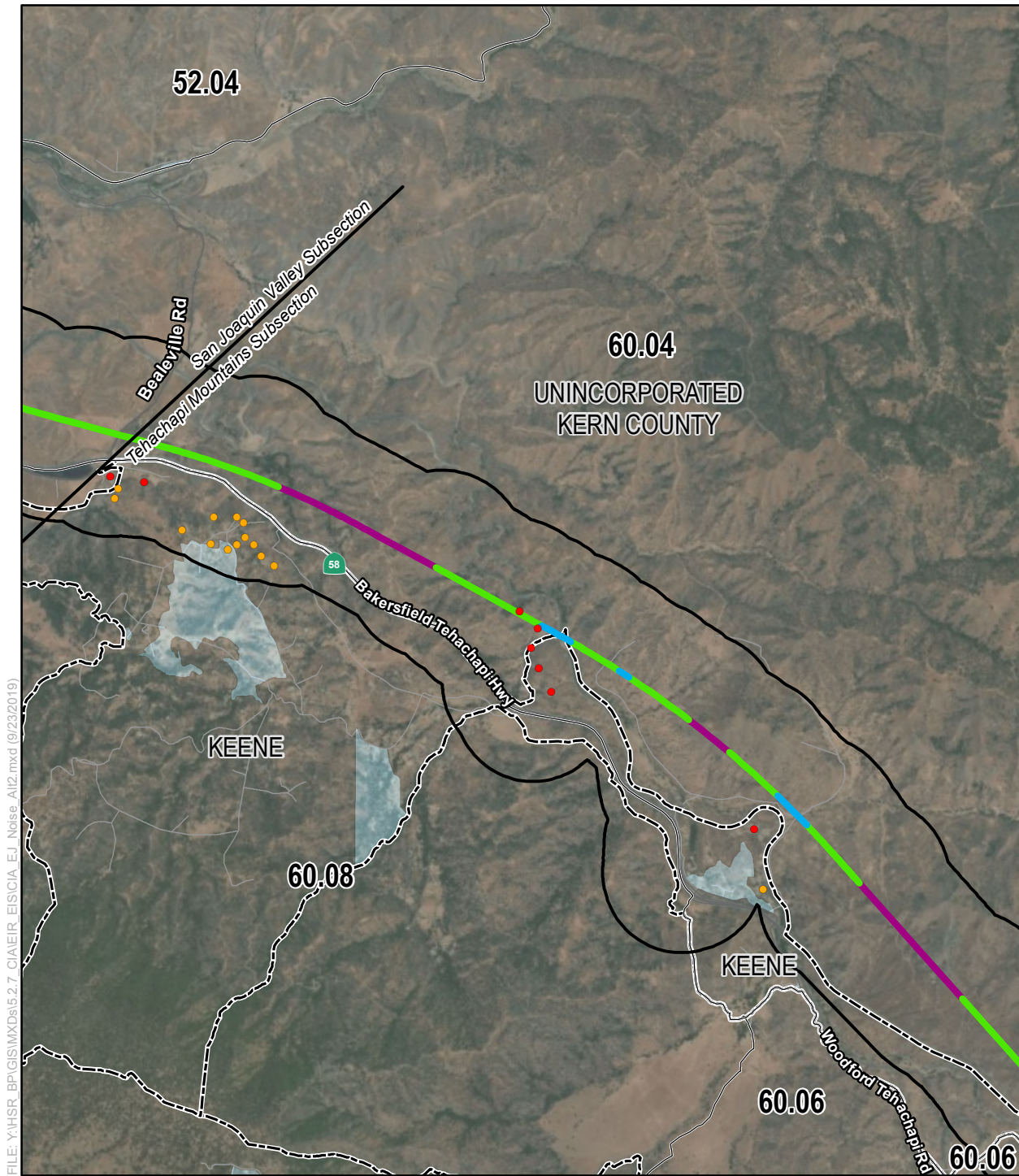


Figure 5-A-7
 Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 3 of 11



FILE: Y:\HSR_BP\GIS\MXDs\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

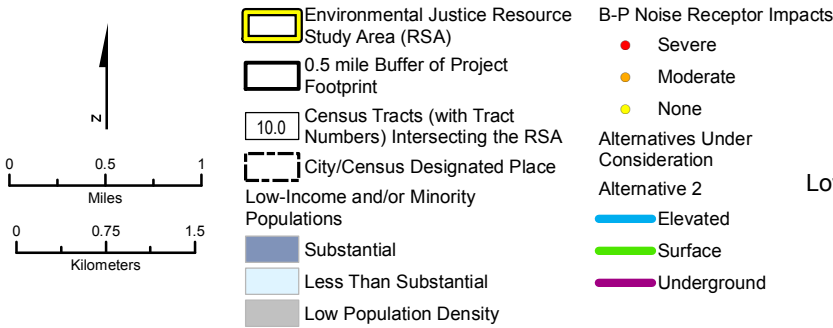
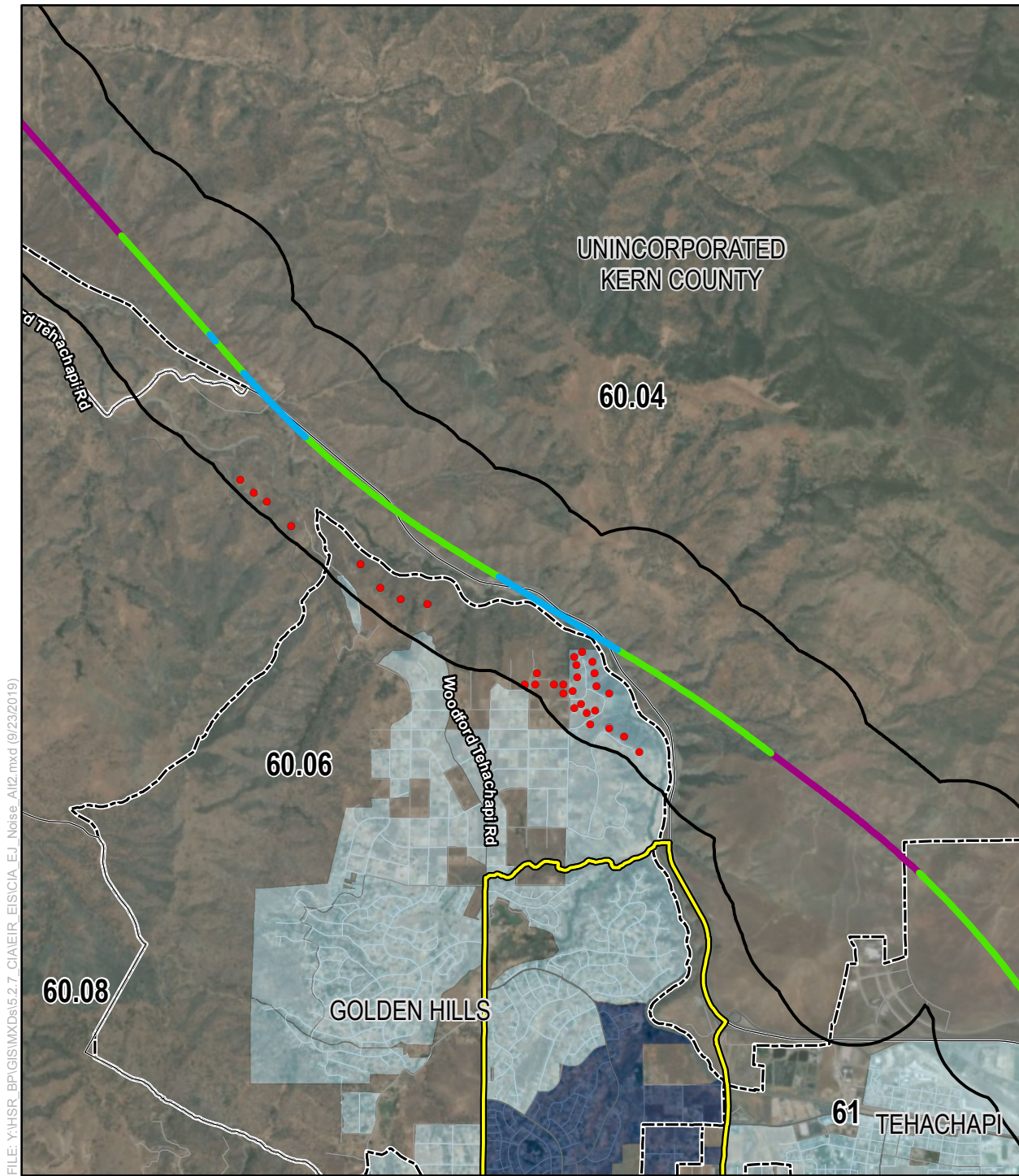


Figure 5-A-7
 Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 4 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

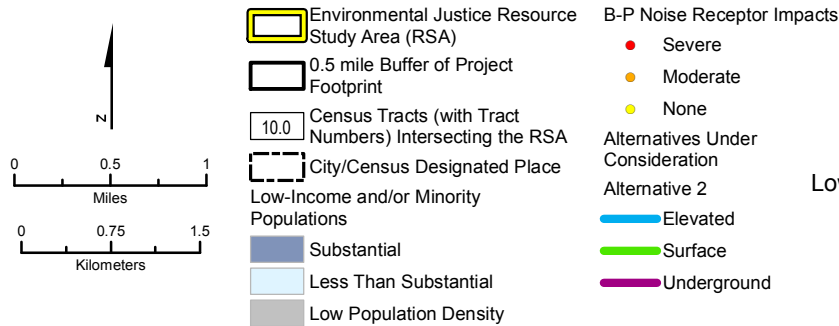
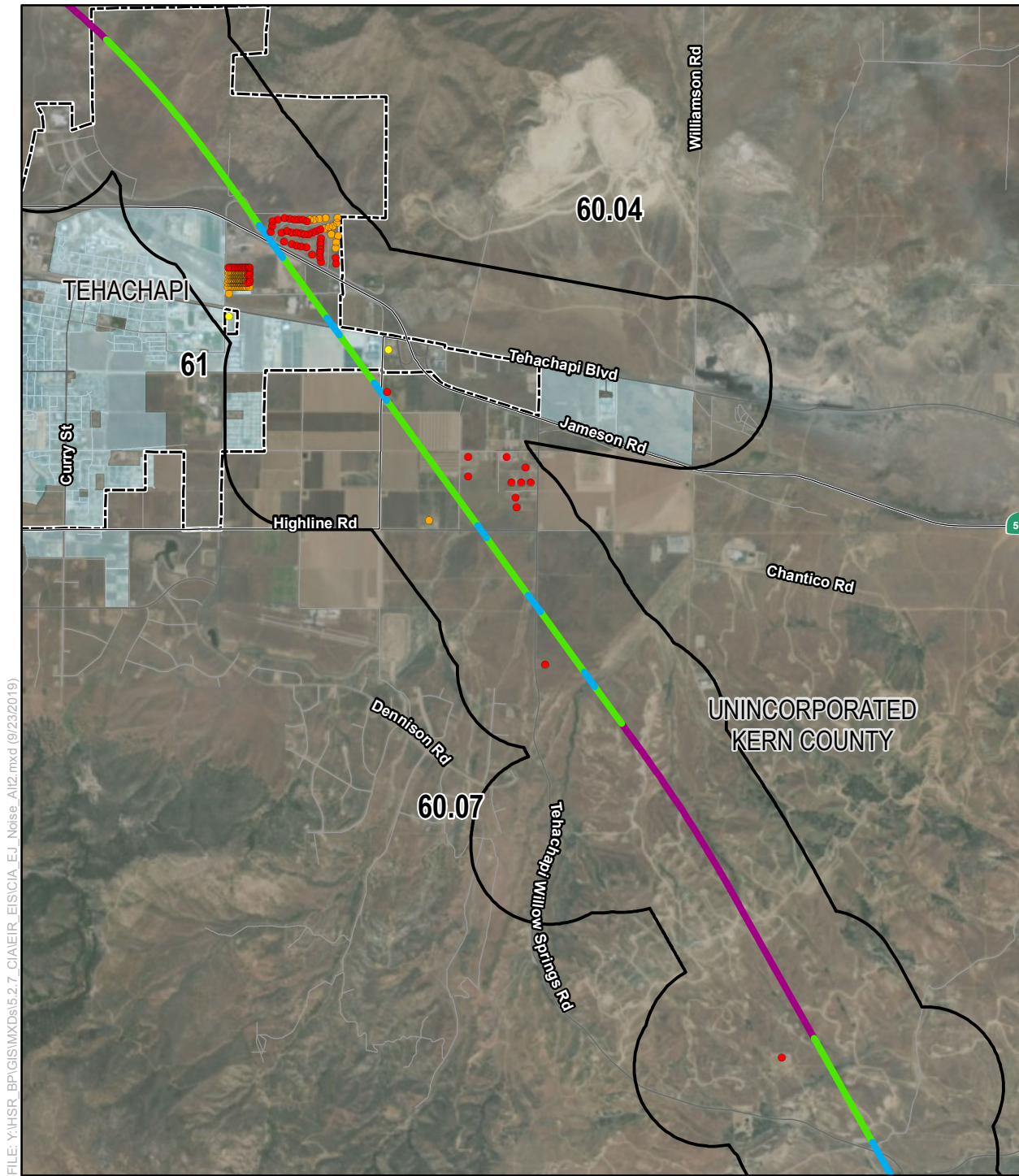


Figure 5-A-7
 Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 5 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

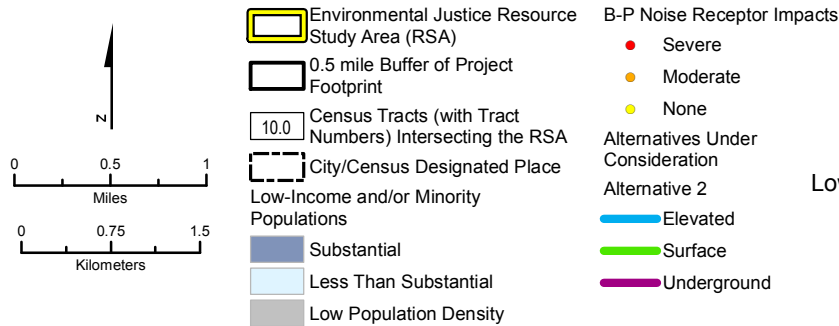
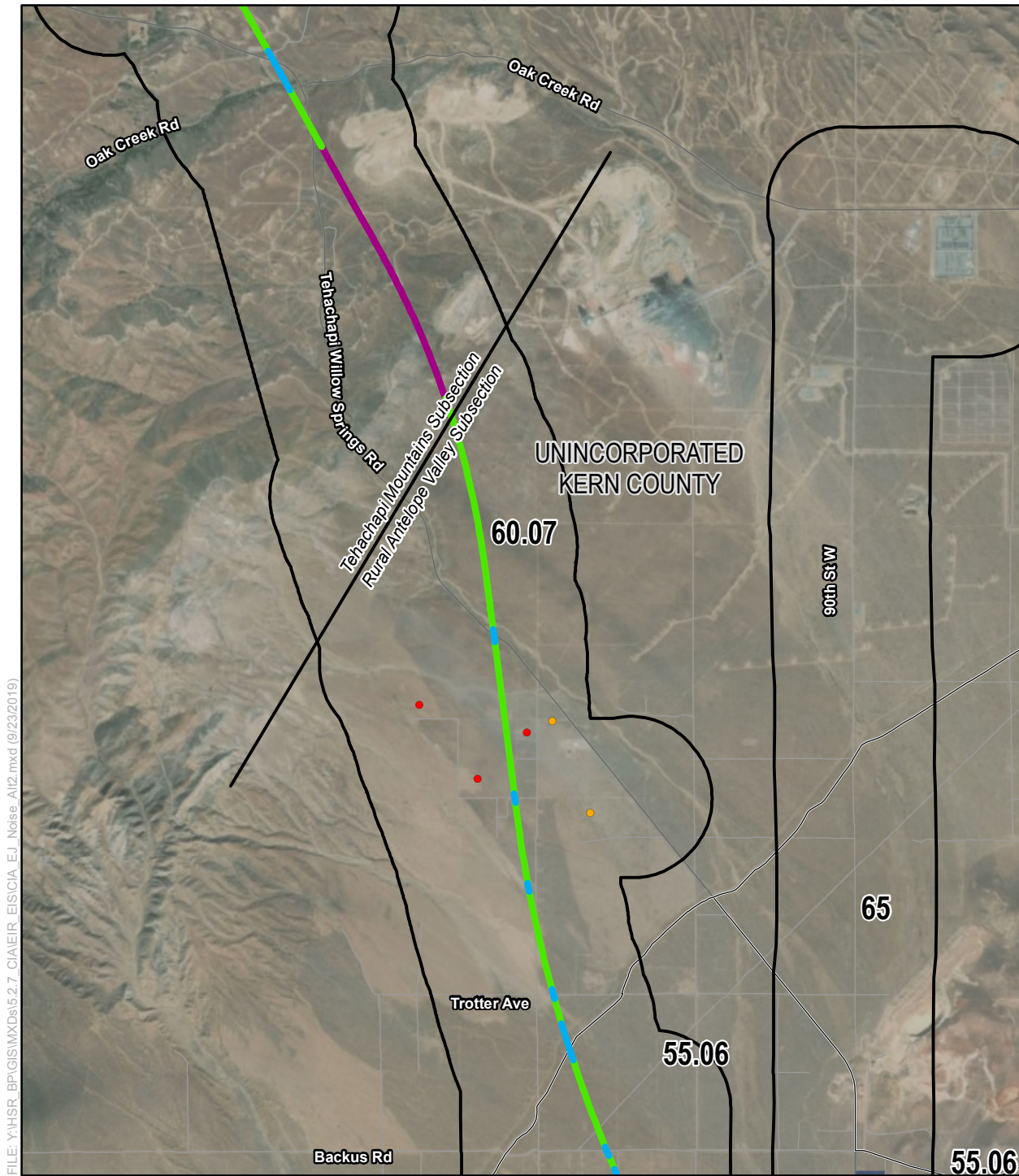


Figure 5-A-7
 Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 6 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

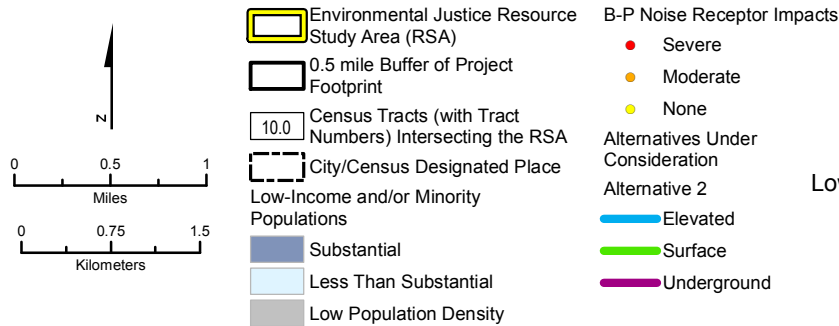
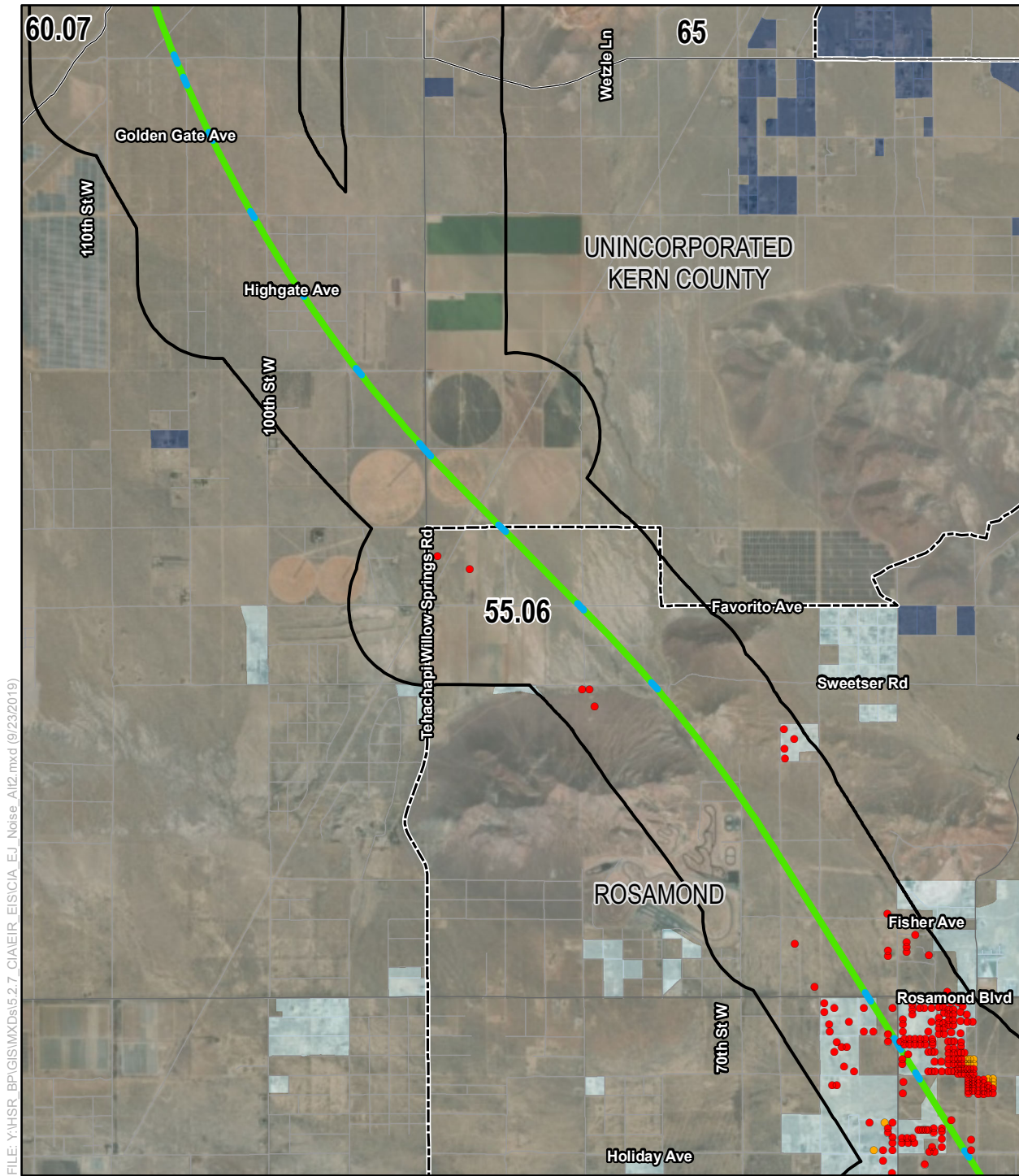


Figure 5-A-7

Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 7 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

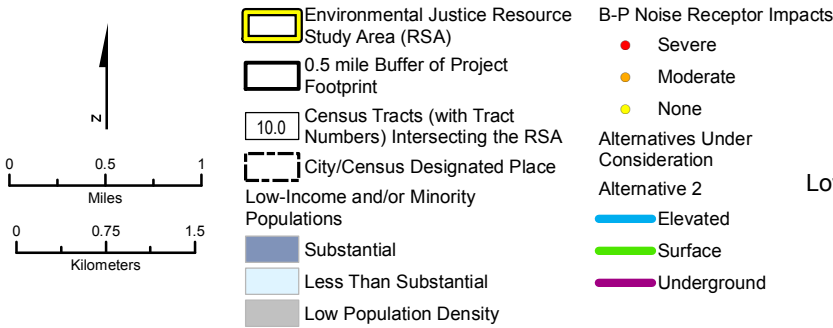
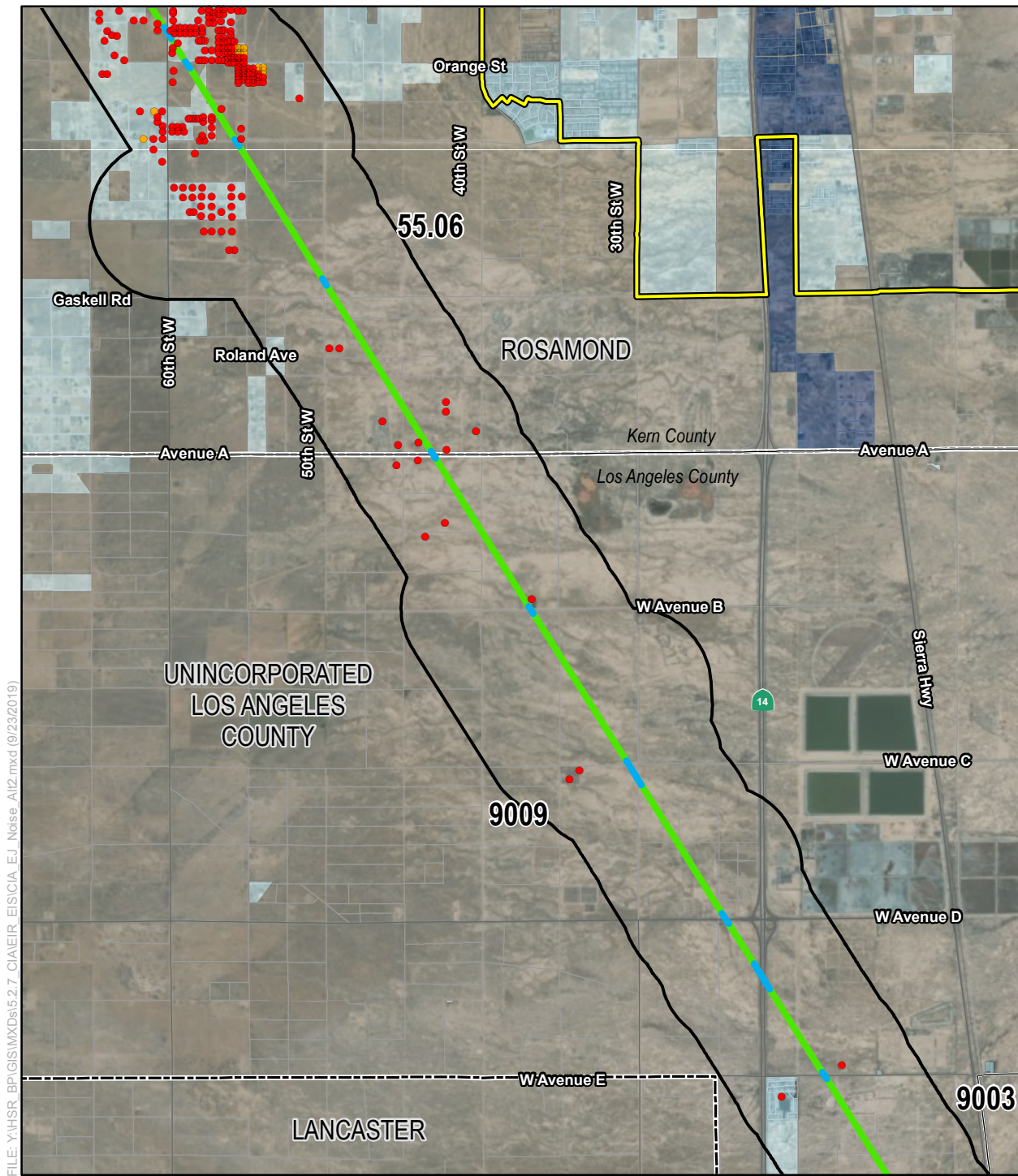


Figure 5-A-7
 Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 8 of 11



FILE: Y:\HSR_BP\GIS\MXDs\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

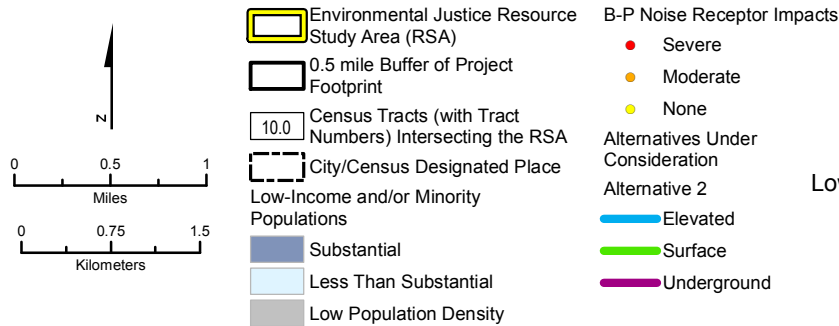
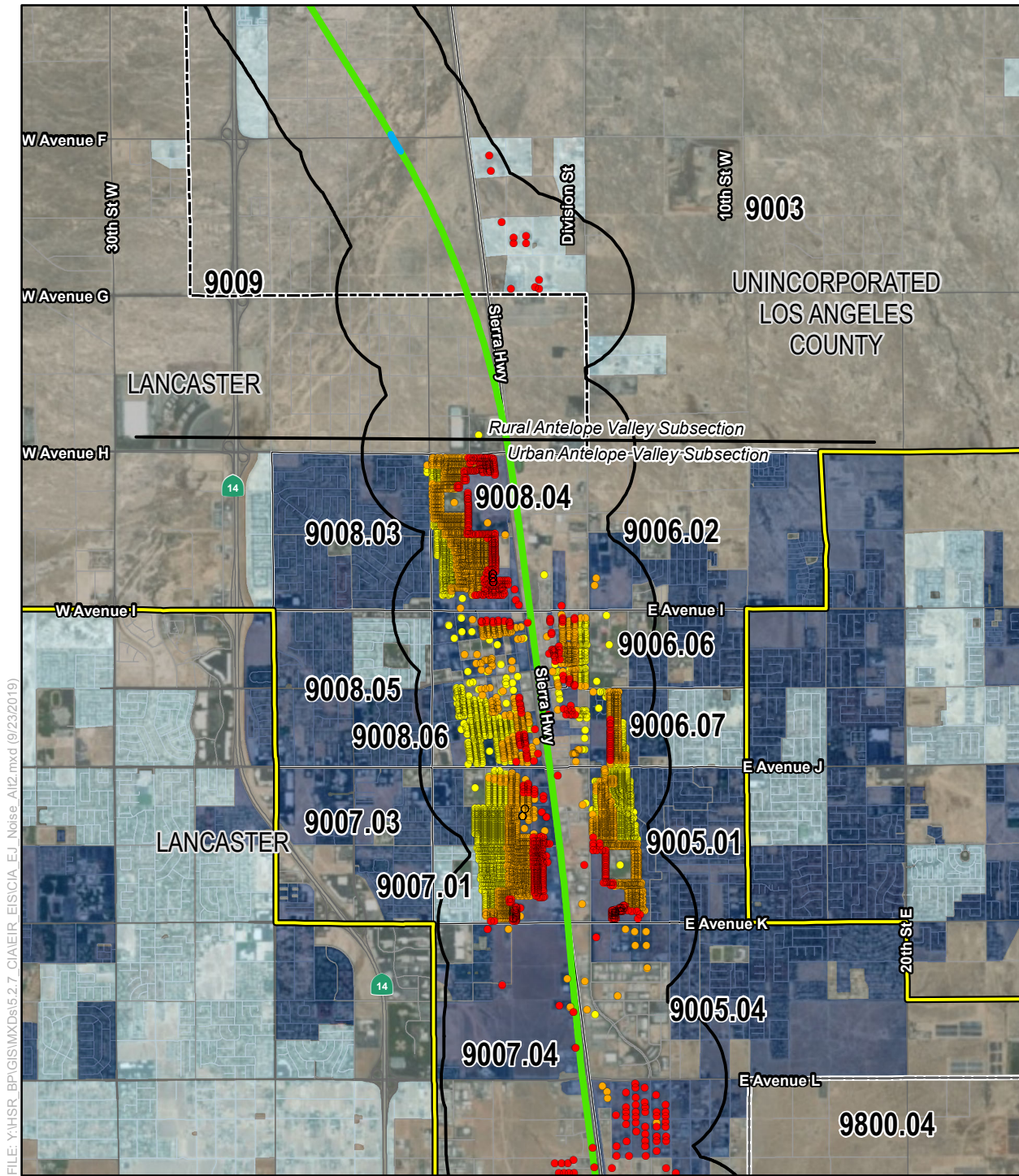


Figure 5-A-7
 Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 9 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

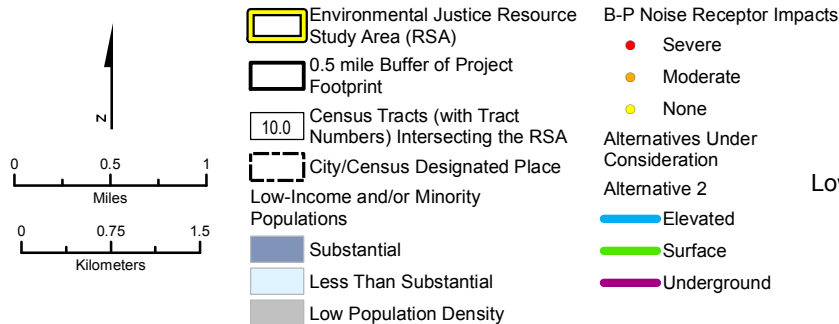
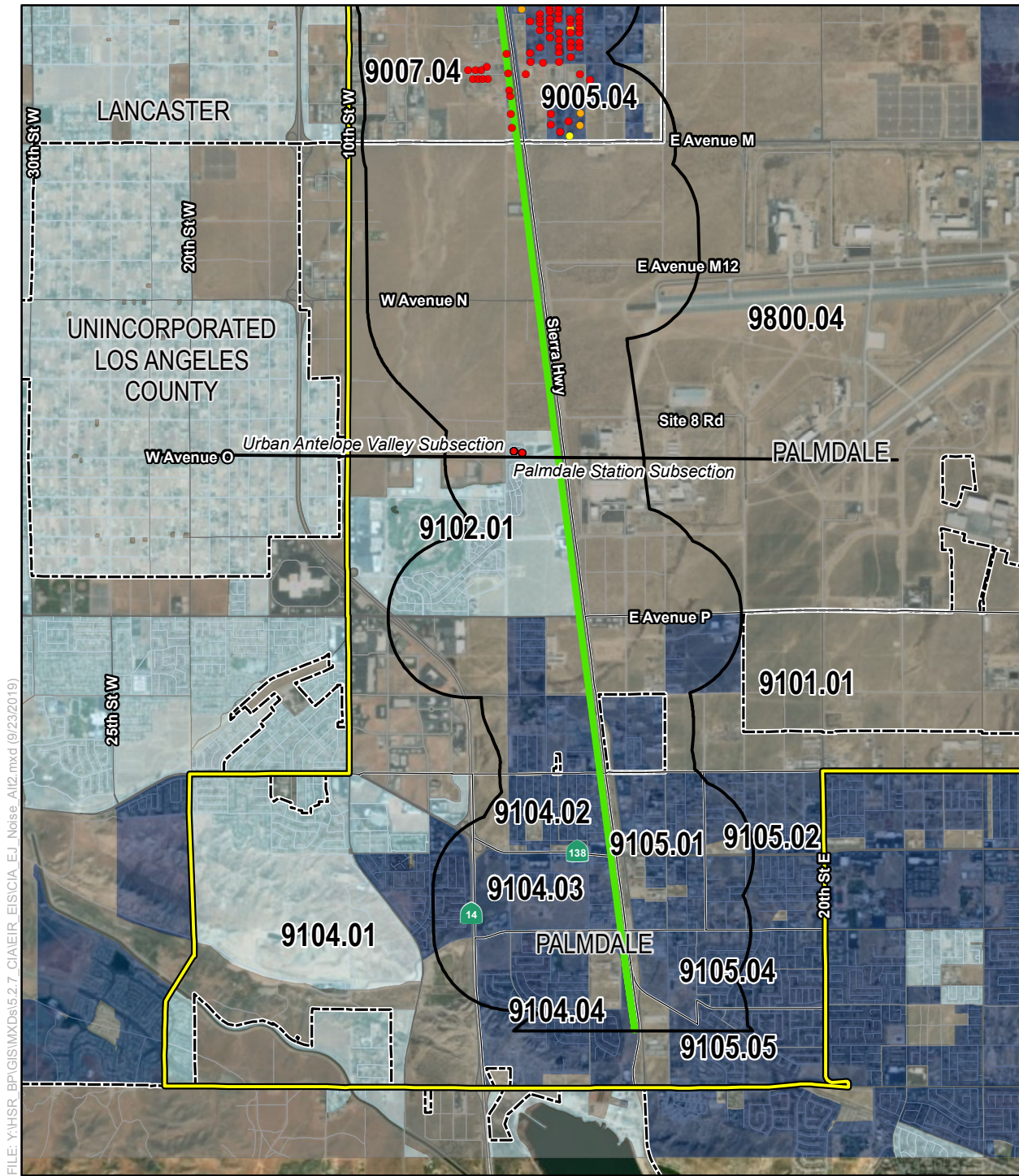


Figure 5-A-7

Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 10 of 11



FILE: Y:\HSR_BP\GIS\MXDs\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt2.mxd (9/23/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

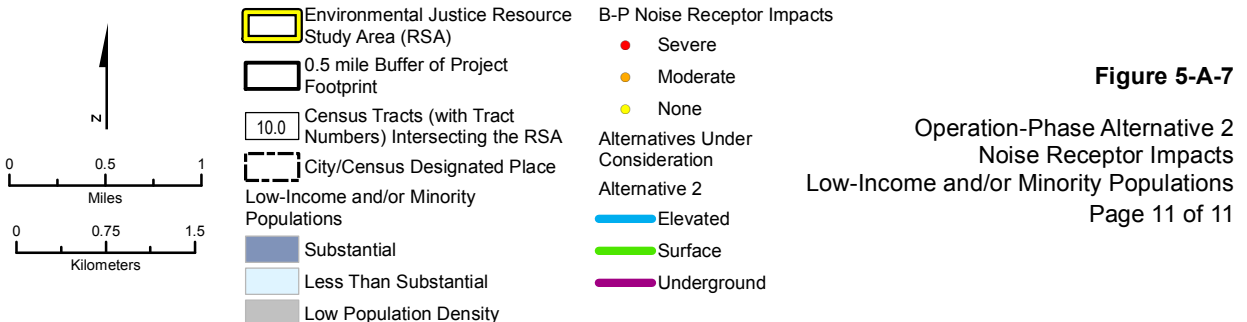
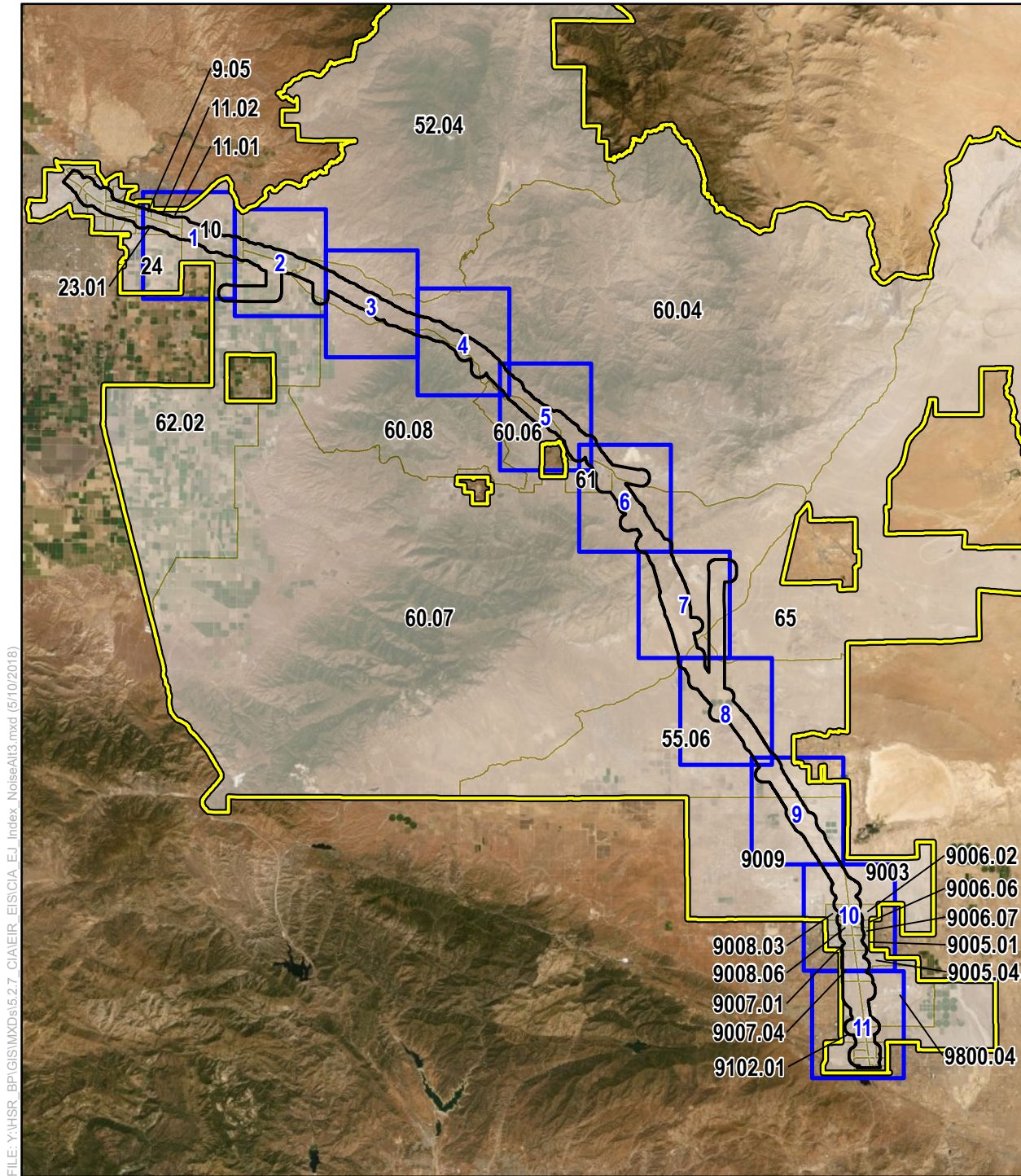


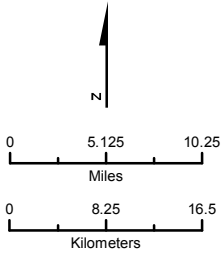
Figure 5-A-7

Operation-Phase Alternative 2
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 11 of 11



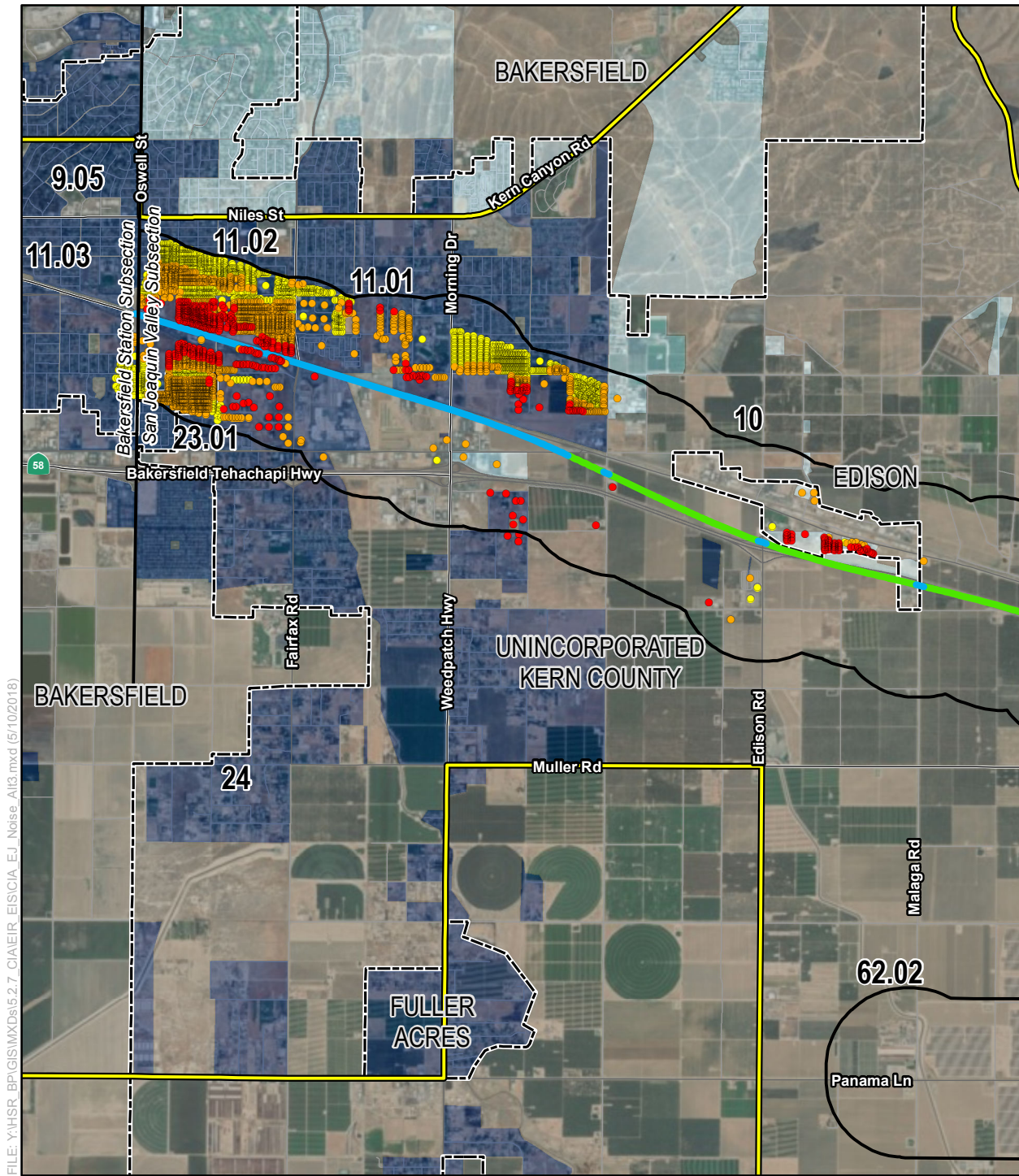
FILE: Y:\HSR_BP\GIS\MXDs\5.2.7_CIAVEIR_EIS\CIA_EJ_Index_NoiseAlt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)



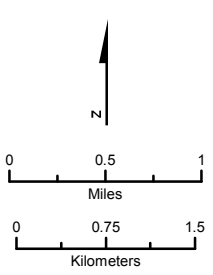
- Noise Receptor Impacts Page Index
- Environmental Justice Resource Study Area (RSA)
- 0.5 mile Buffer of Project Footprint
- Census Tracts Intersecting the RSA

Figure 5-A-8
 Operation-Phase
 Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 in the Environmental Justice
 Resource Study Area
 Map Index for Pages 11-11



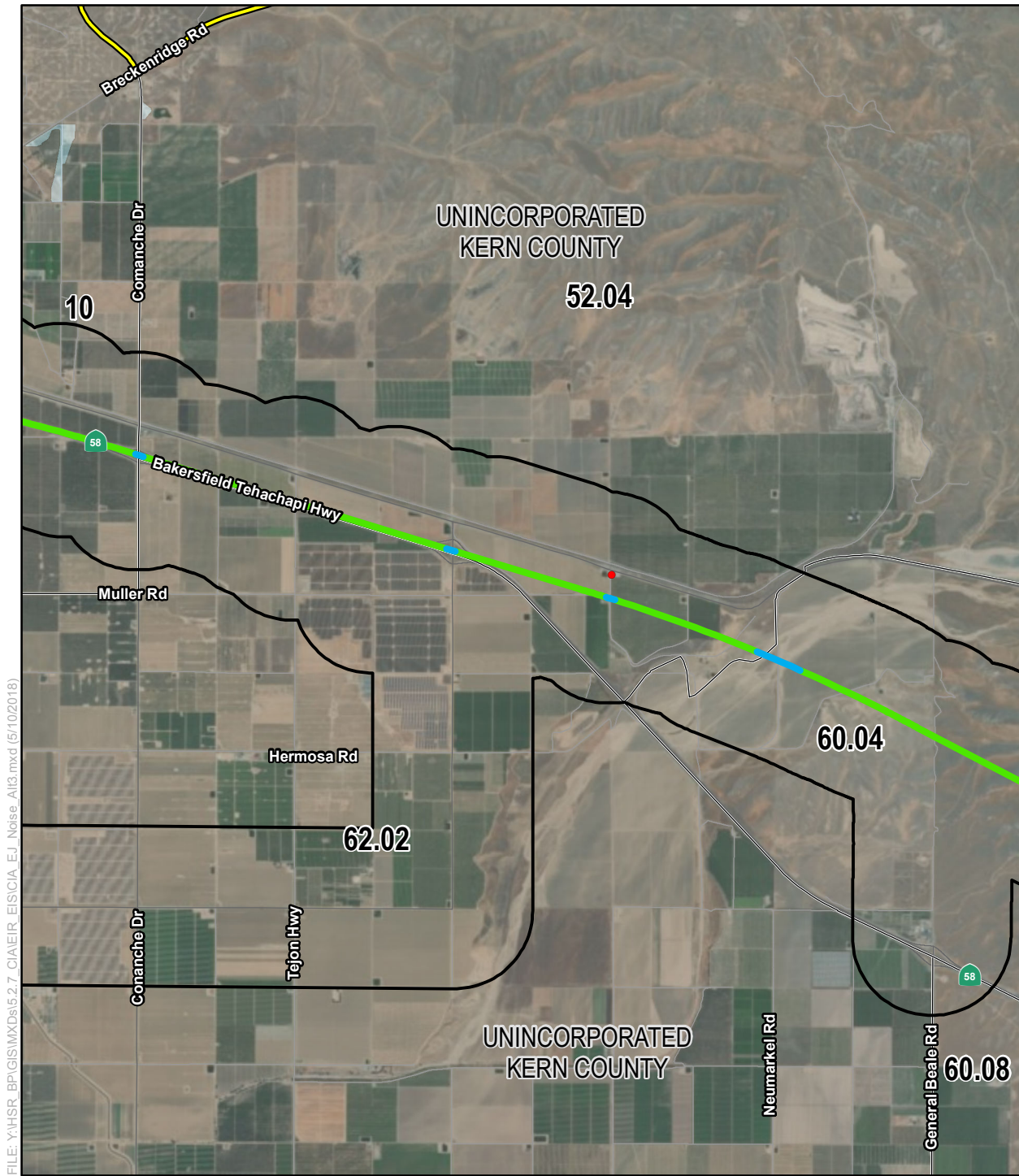
FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)



- | | |
|---|--|
| Environmental Justice Resource Study Area (RSA) | B-P Noise Receptor Impacts: Severe |
| 0.5 mile Buffer of Project Footprint | Moderate |
| Census Tracts (with Tract Numbers) Intersecting the RSA | None |
| City/Census Designated Place | Alternatives Under Consideration: Elevated |
| Low-Income and/or Minority Populations: Substantial | Surface |
| Less Than Substantial | Underground |
| Low Population Density | |

Figure 5-A-8
 Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 1 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CA_EJ_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

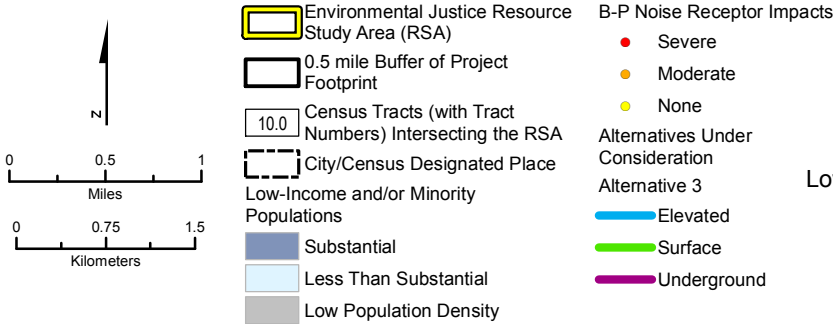
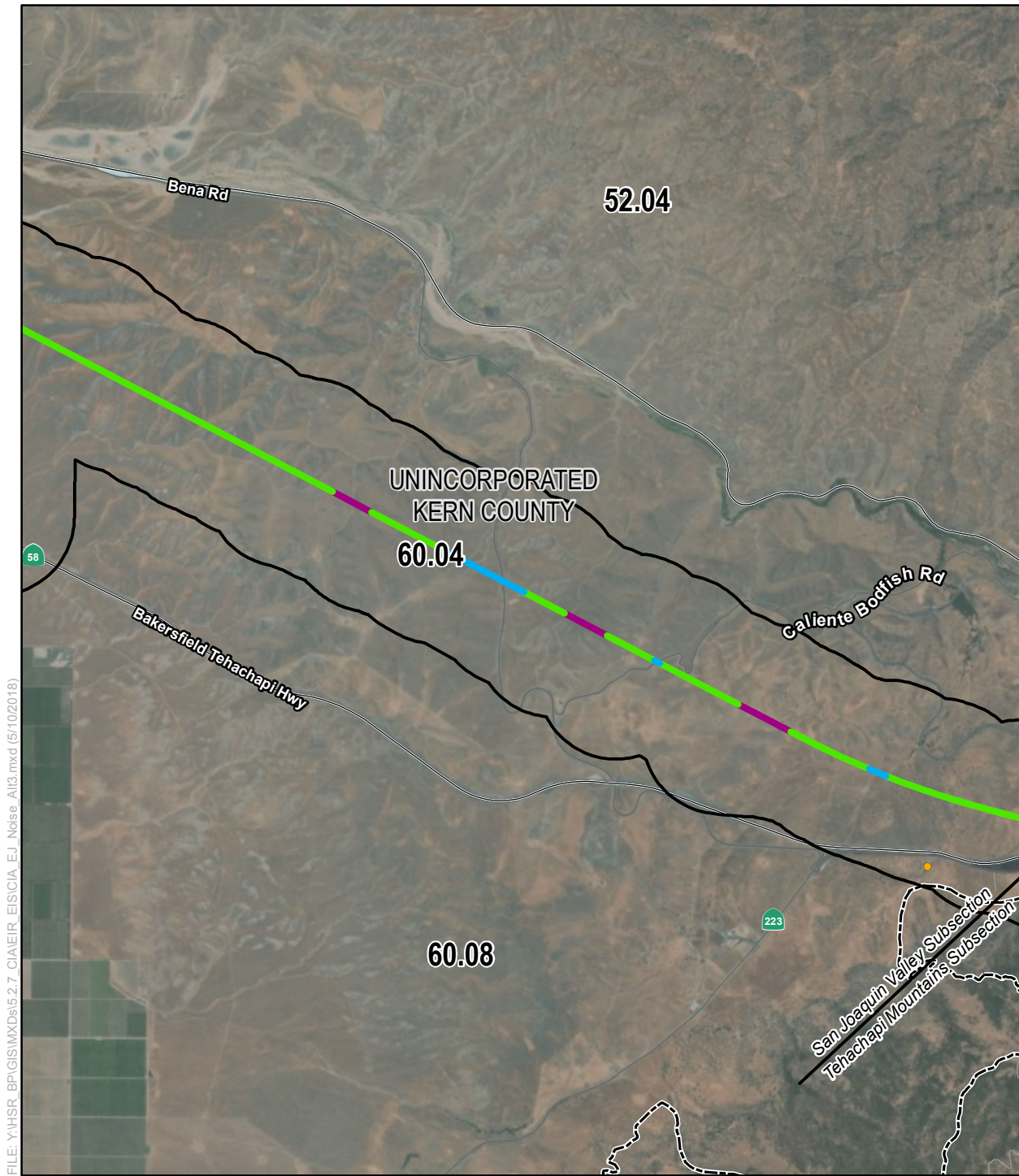


Figure 5-A-8

Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 2 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EI_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

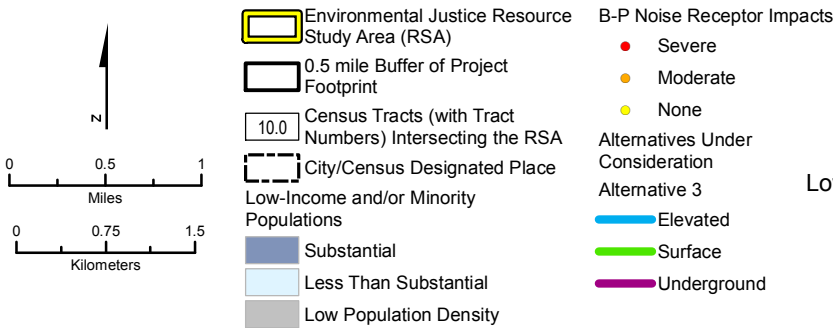
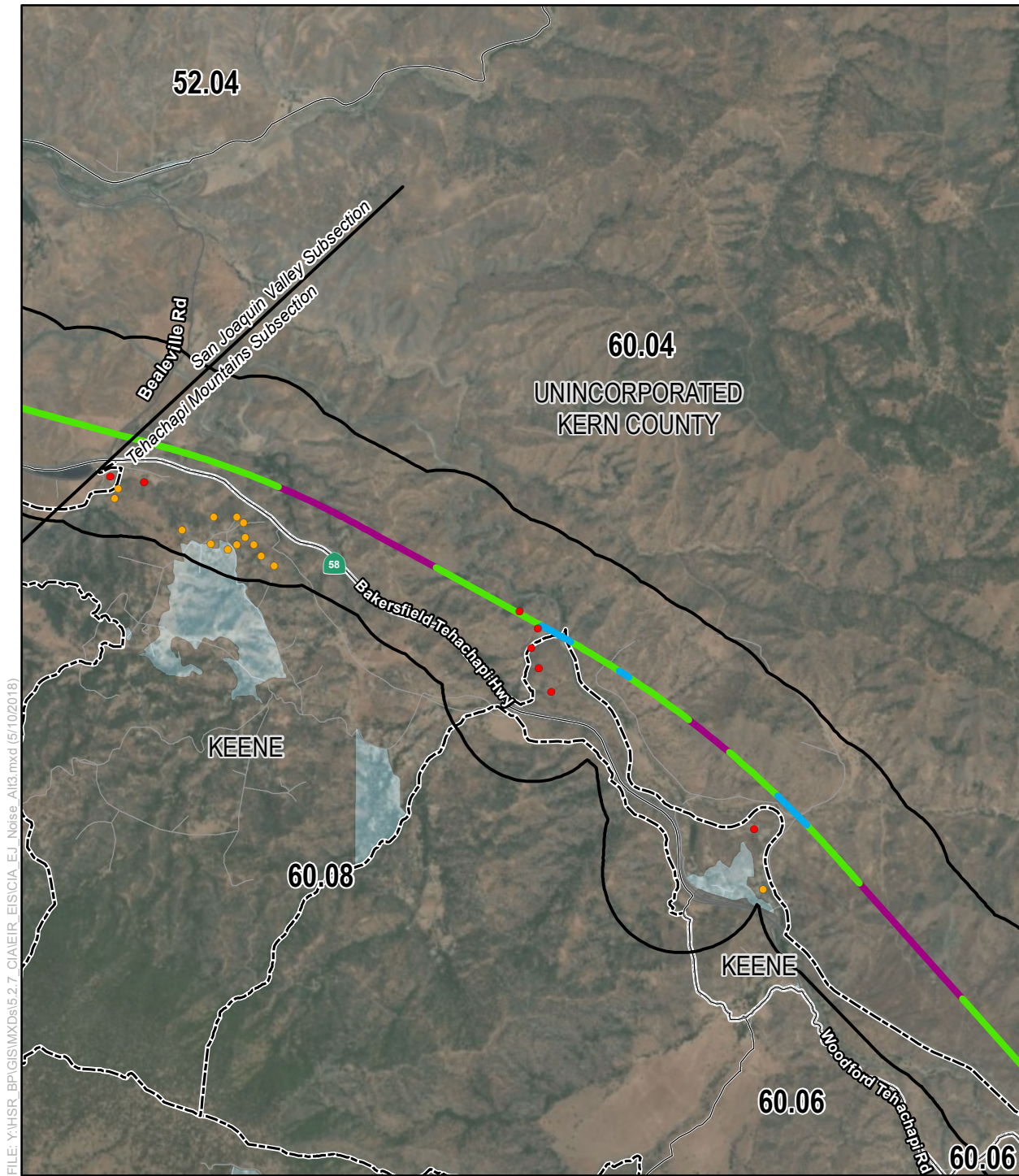


Figure 5-A-8
 Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 3 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

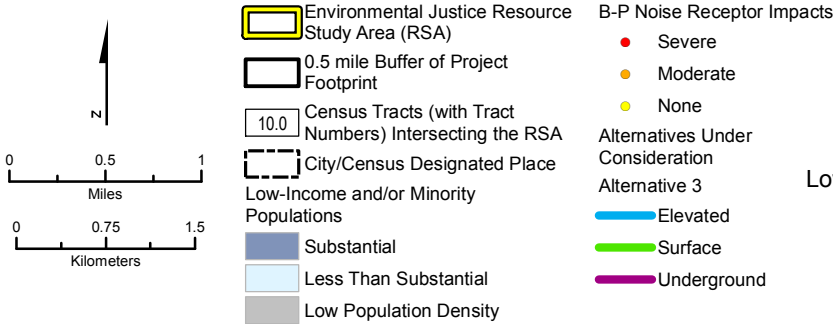
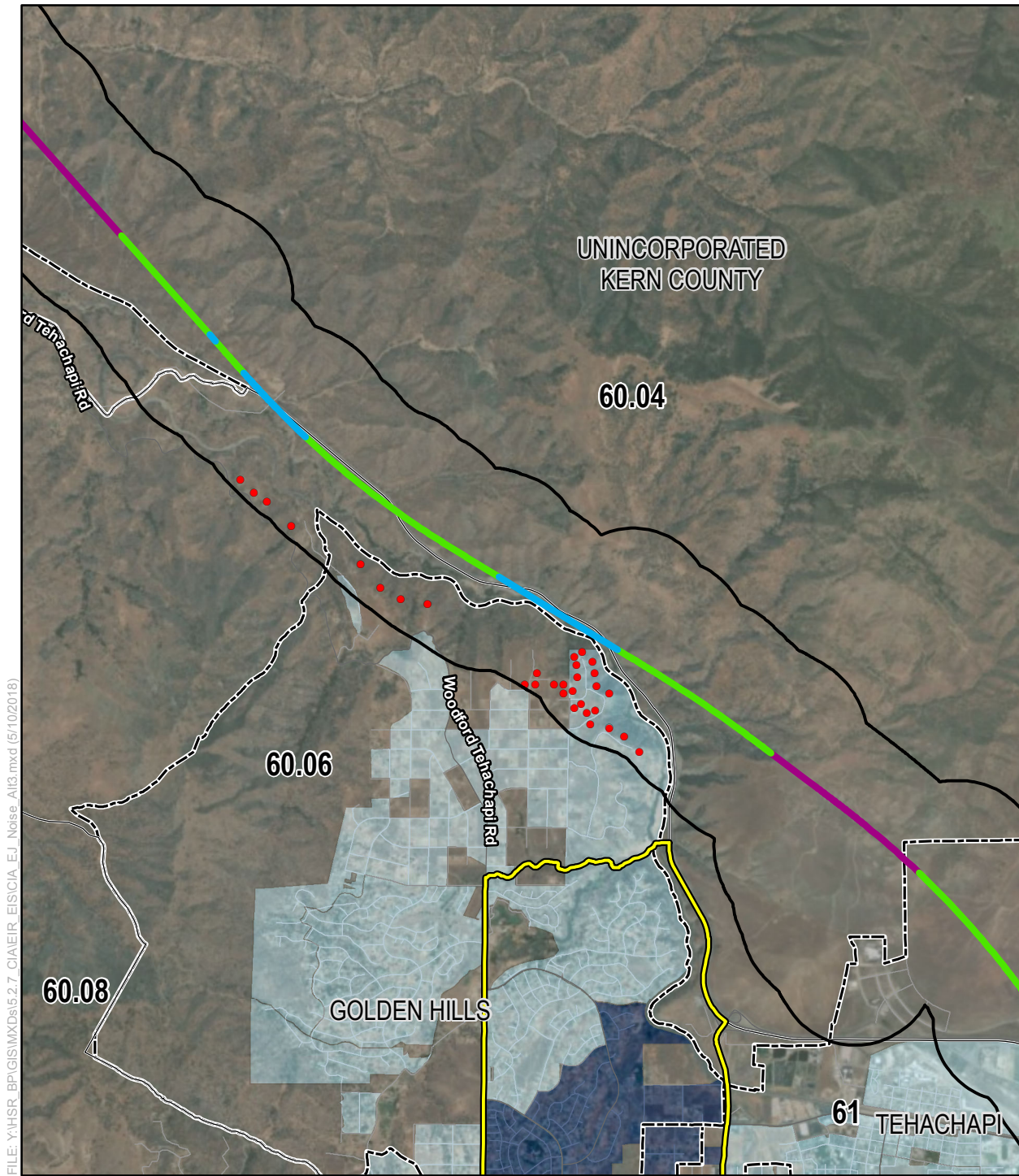
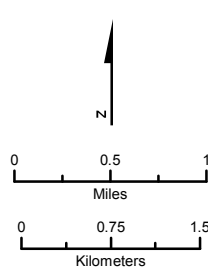


Figure 5-A-8
 Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 4 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

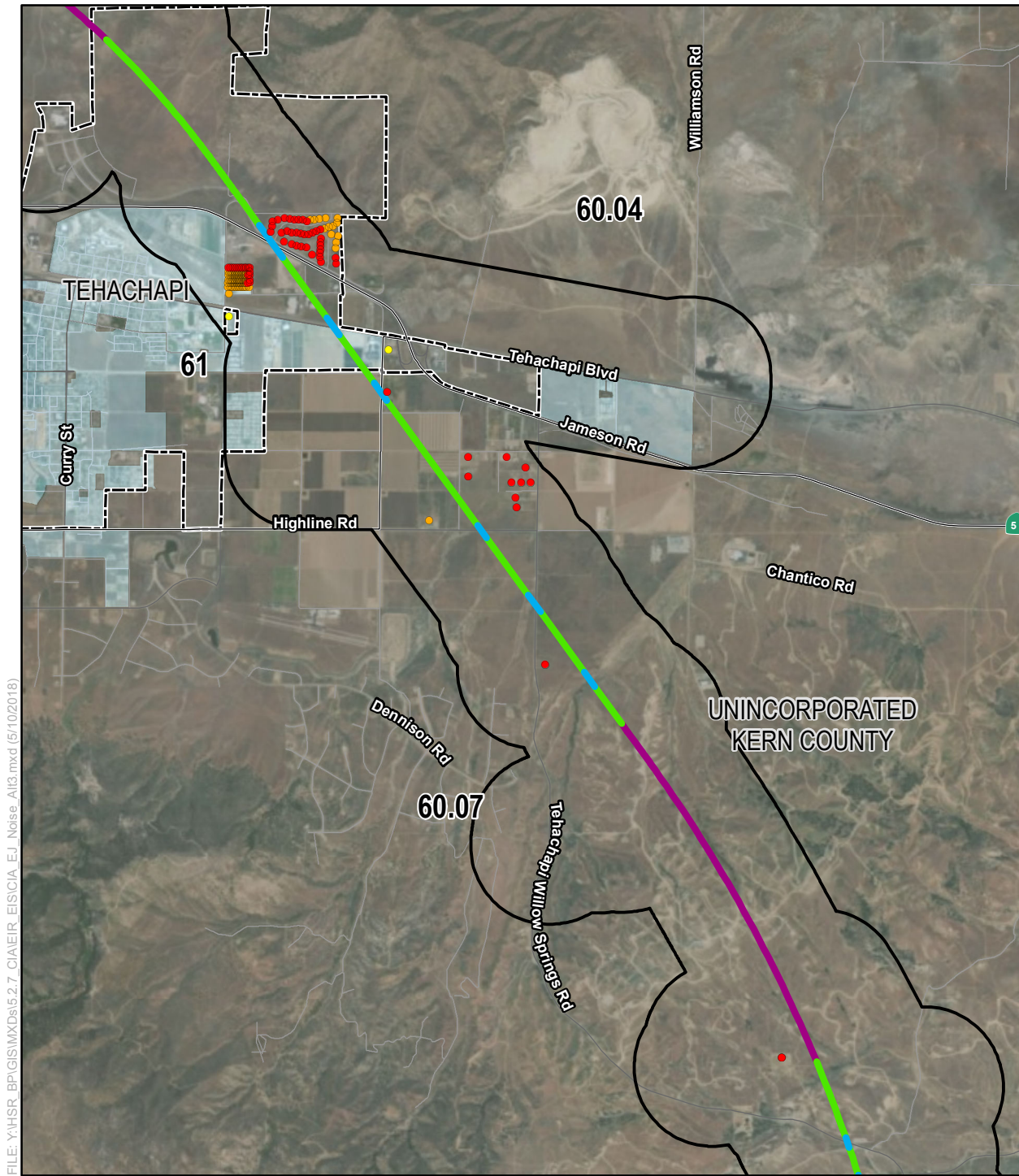


- Environmental Justice Resource Study Area (RSA)
- 0.5 mile Buffer of Project Footprint
- City/Census Designated Place
- 10.0 Census Tracts (with Tract Numbers) Intersecting the RSA
- Substantial Low-Income and/or Minority Populations
- Less Than Substantial
- Low Population Density

- B-P Noise Receptor Impacts**
- Severe
- Moderate
- None
- Alternatives Under Consideration**
- Alternative 3 Elevated
- Surface
- Underground

Figure 5-A-8

Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 5 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

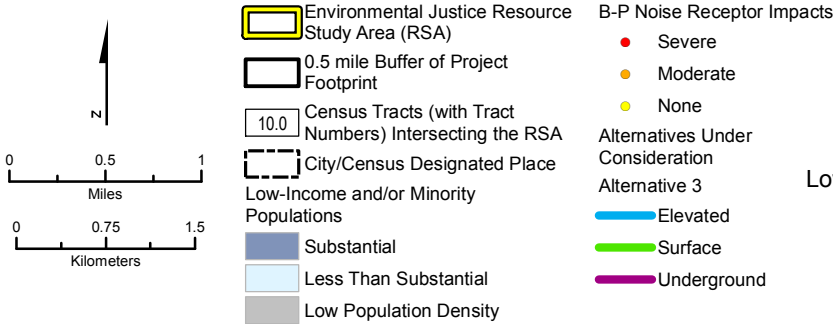
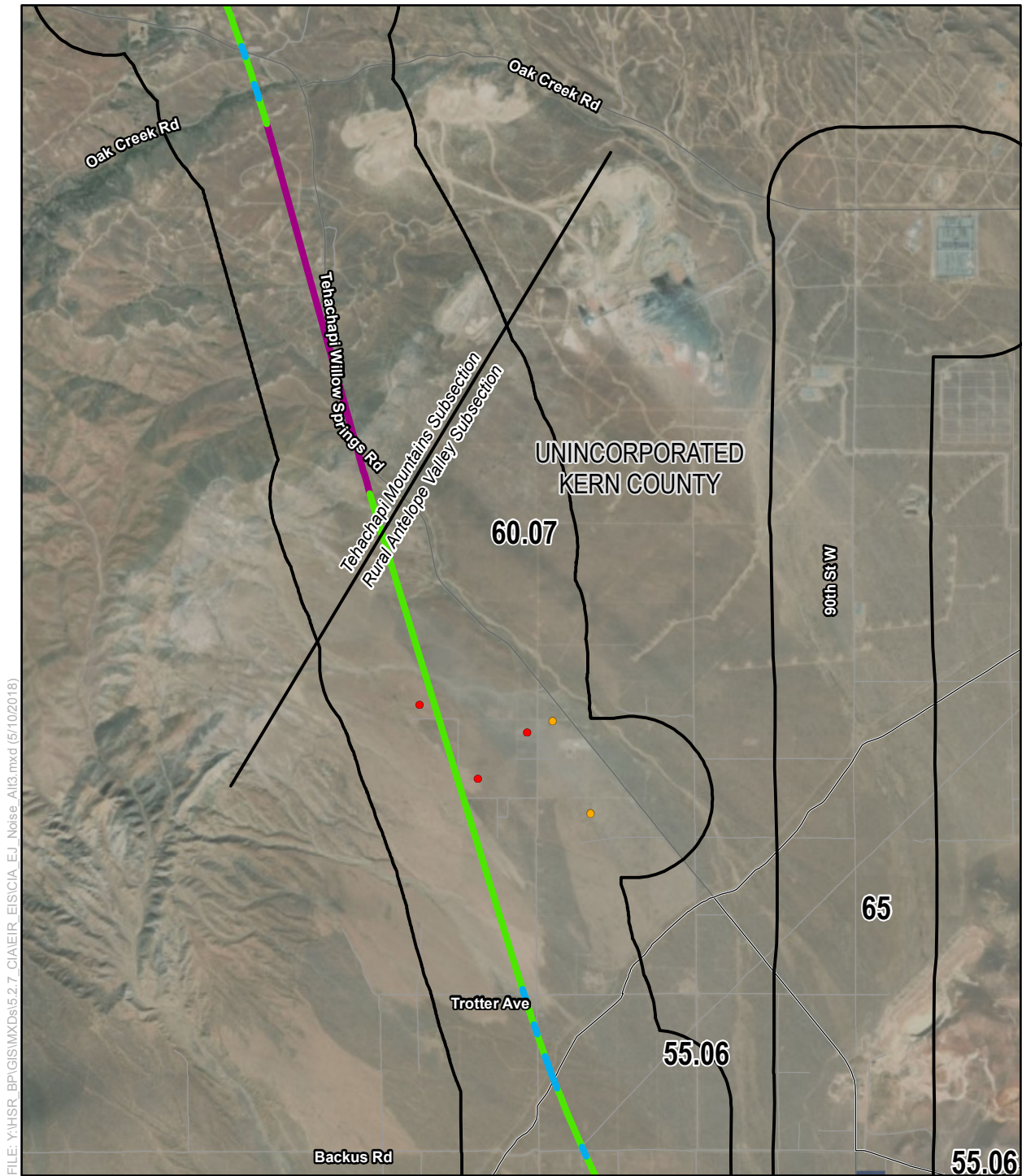


Figure 5-A-8
 Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 6 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

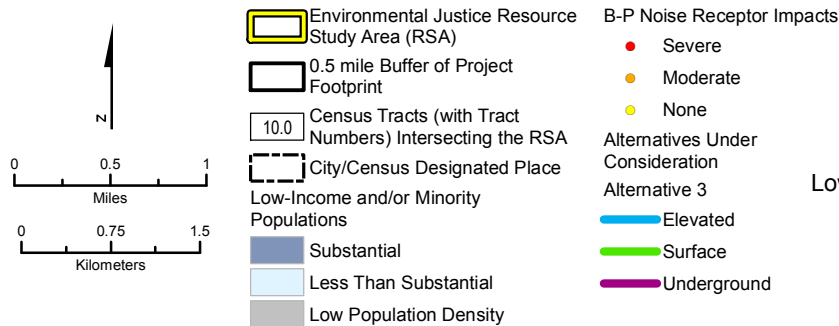
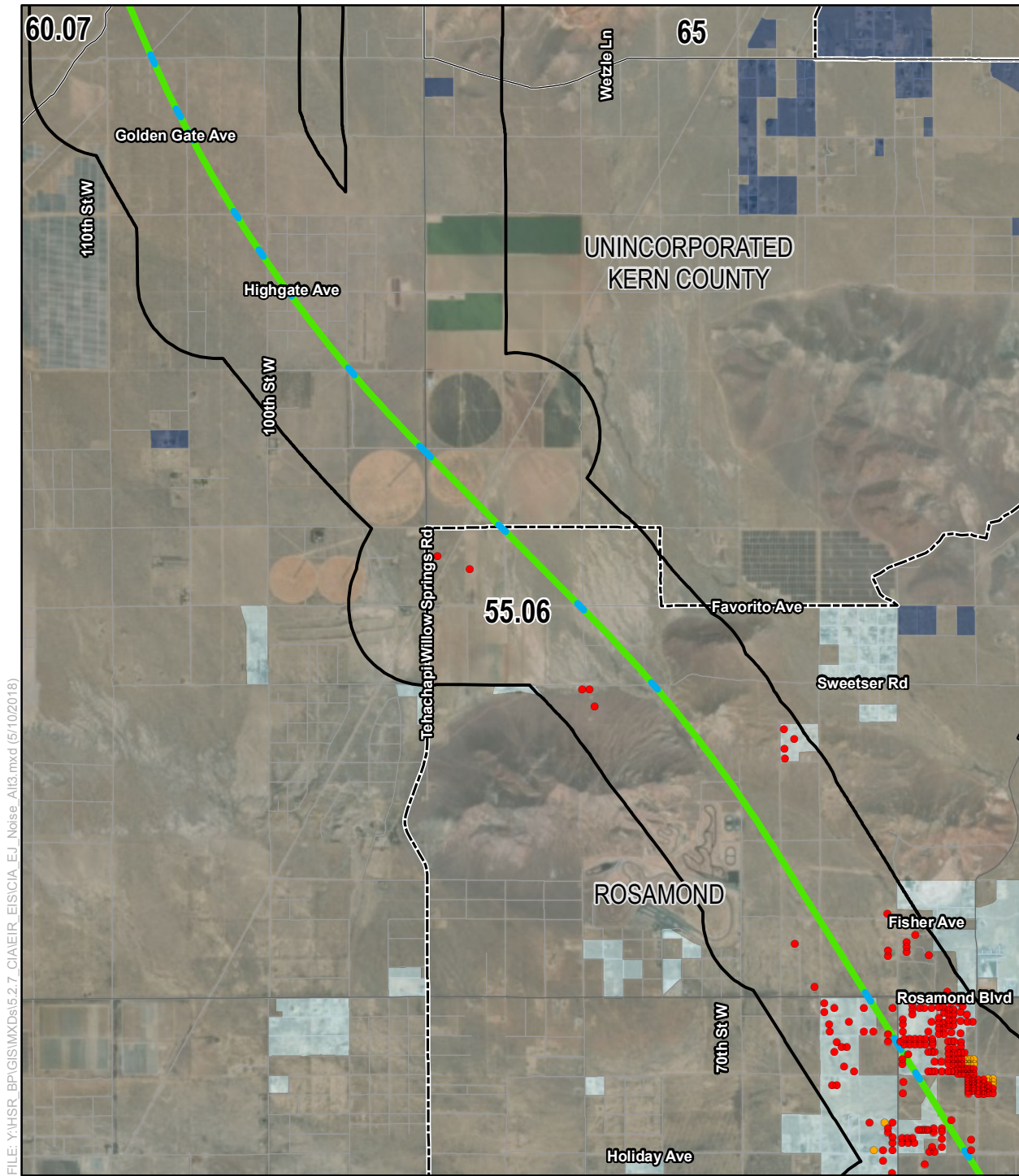
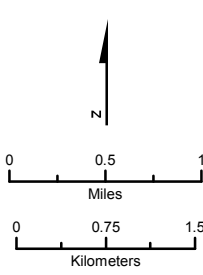


Figure 5-A-8
 Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 7 of 11



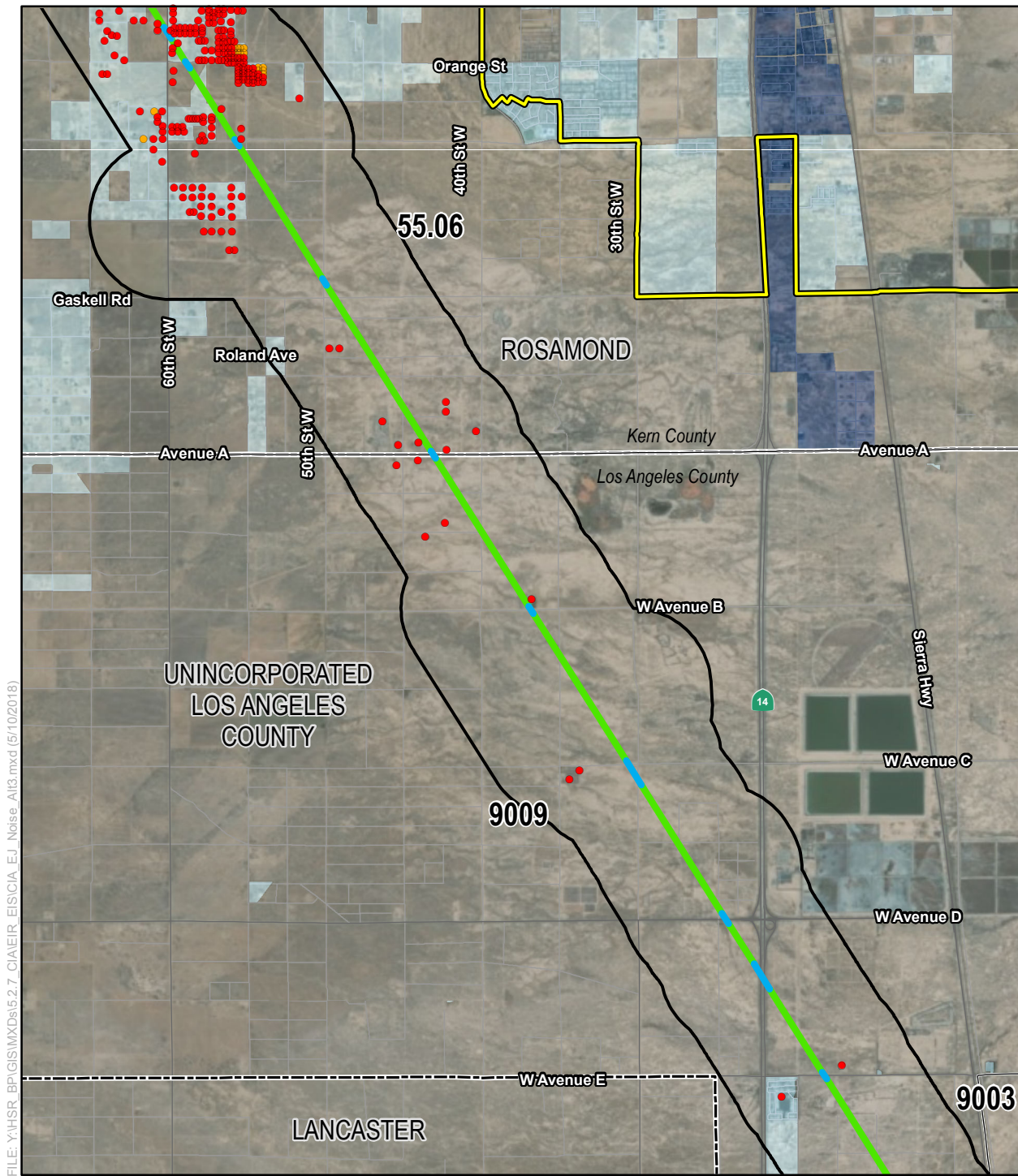
FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)



- | | |
|---|----------------------------------|
| Environmental Justice Resource Study Area (RSA) | B-P Noise Receptor Impacts |
| 0.5 mile Buffer of Project Footprint | Severe |
| Census Tracts (with Tract Numbers) Intersecting the RSA | Moderate |
| City/Census Designated Place | None |
| Low-Income and/or Minority Populations | Alternatives Under Consideration |
| Substantial | Alternative 3 |
| Less Than Substantial | Elevated |
| Low Population Density | Surface |
| | Underground |

Figure 5-A-8
 Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 8 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

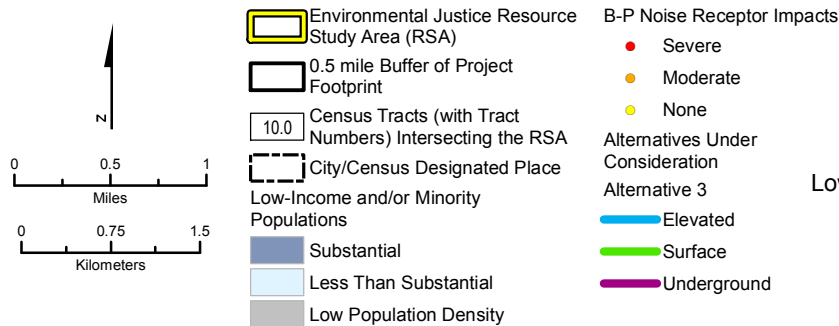
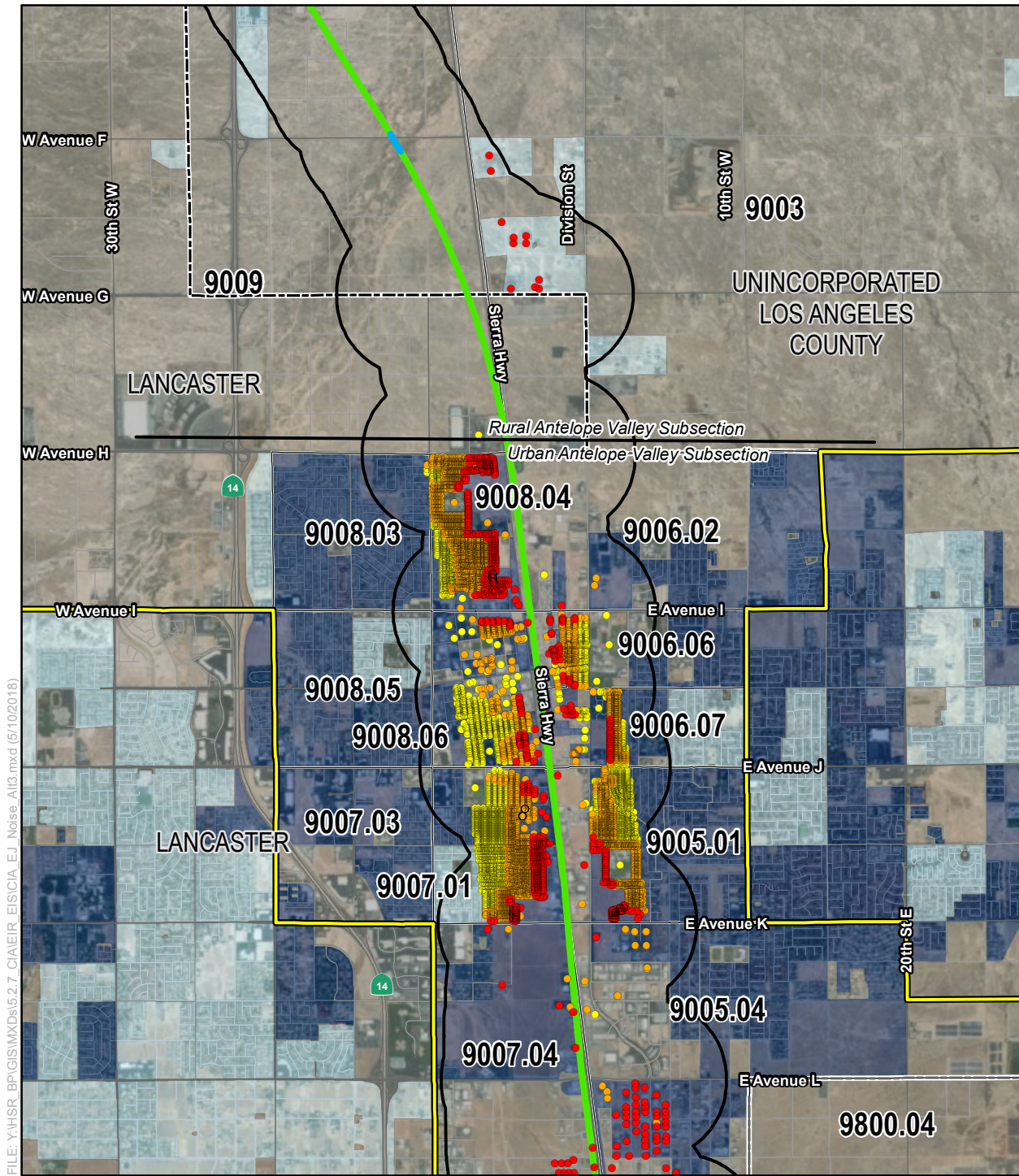


Figure 5-A-8
 Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 9 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

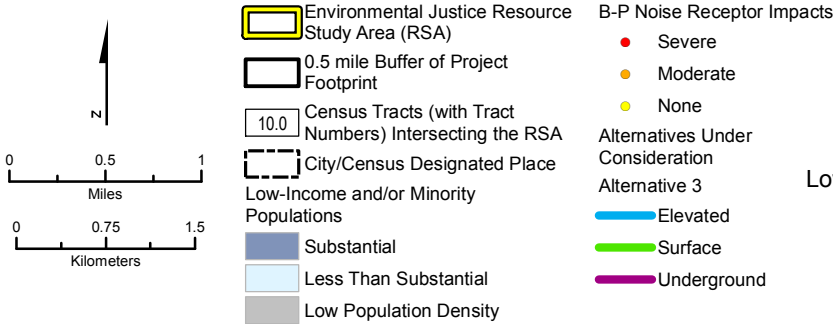
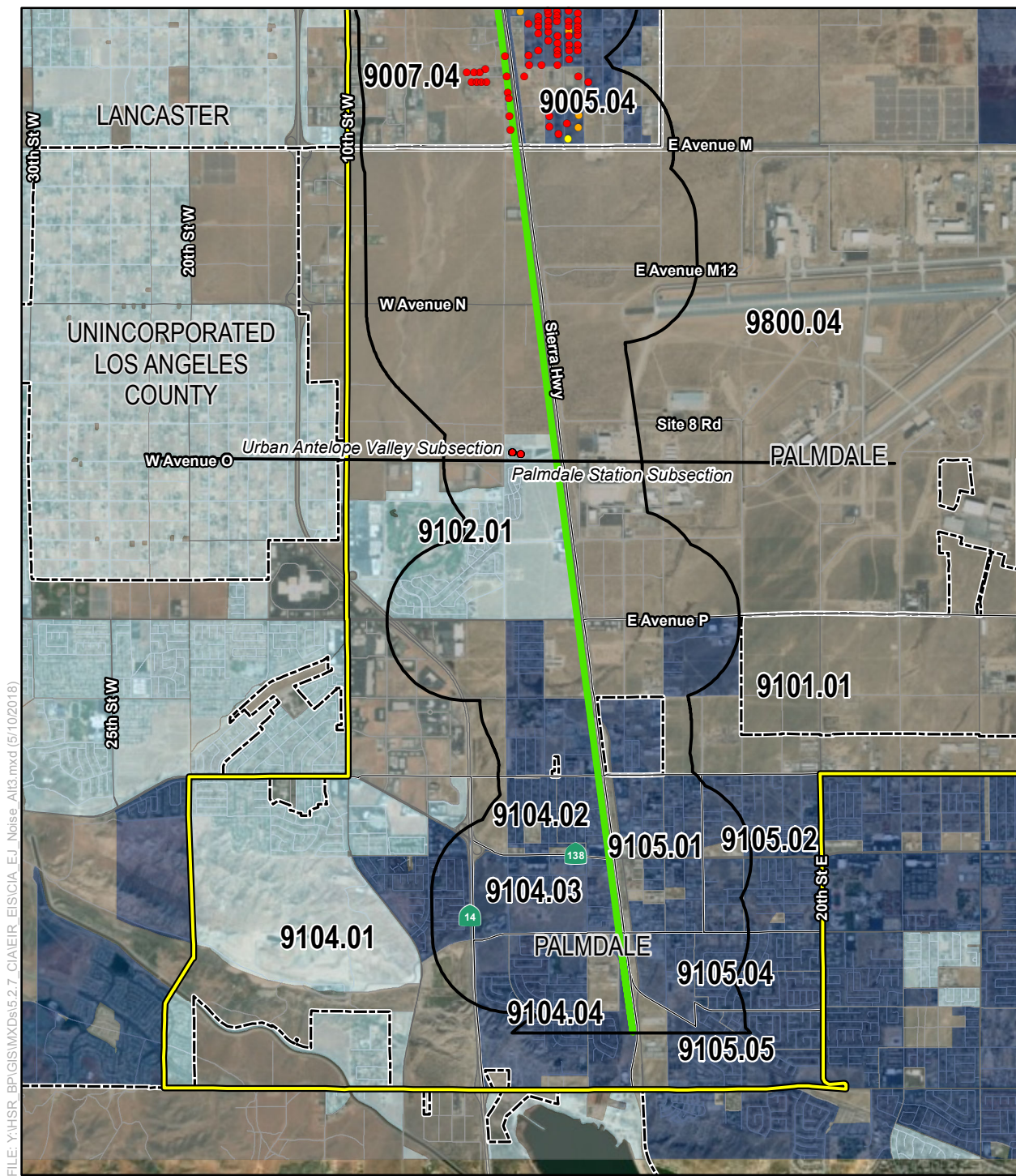


Figure 5-A-8

Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 10 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt3.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

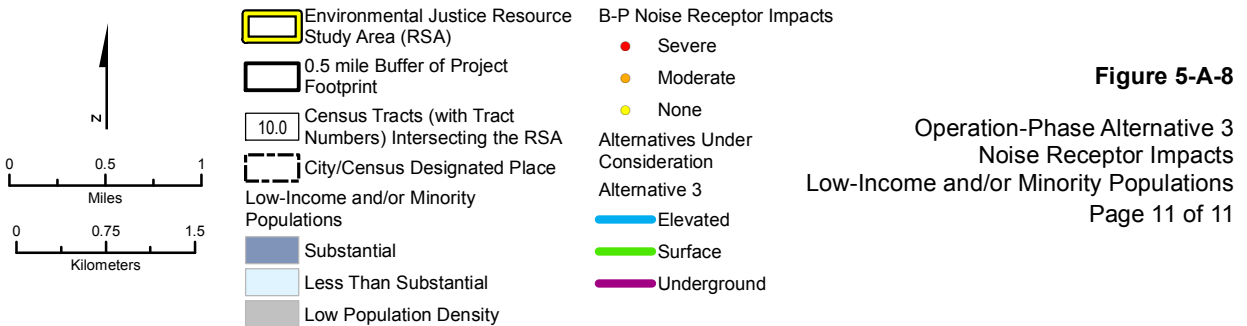
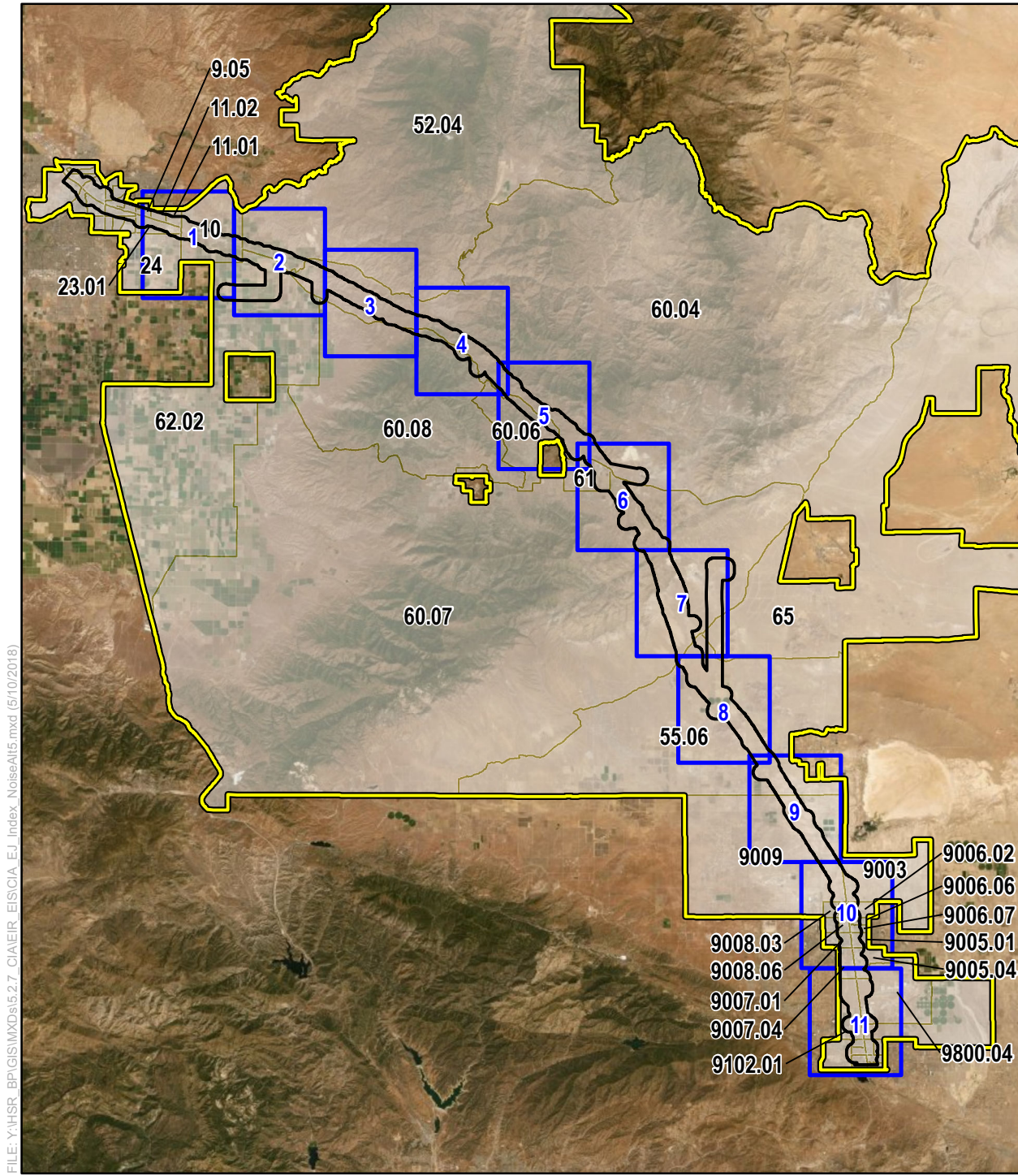
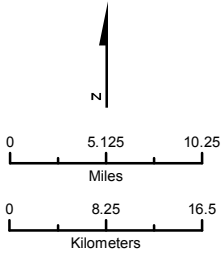


Figure 5-A-8

Operation-Phase Alternative 3
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 11 of 11

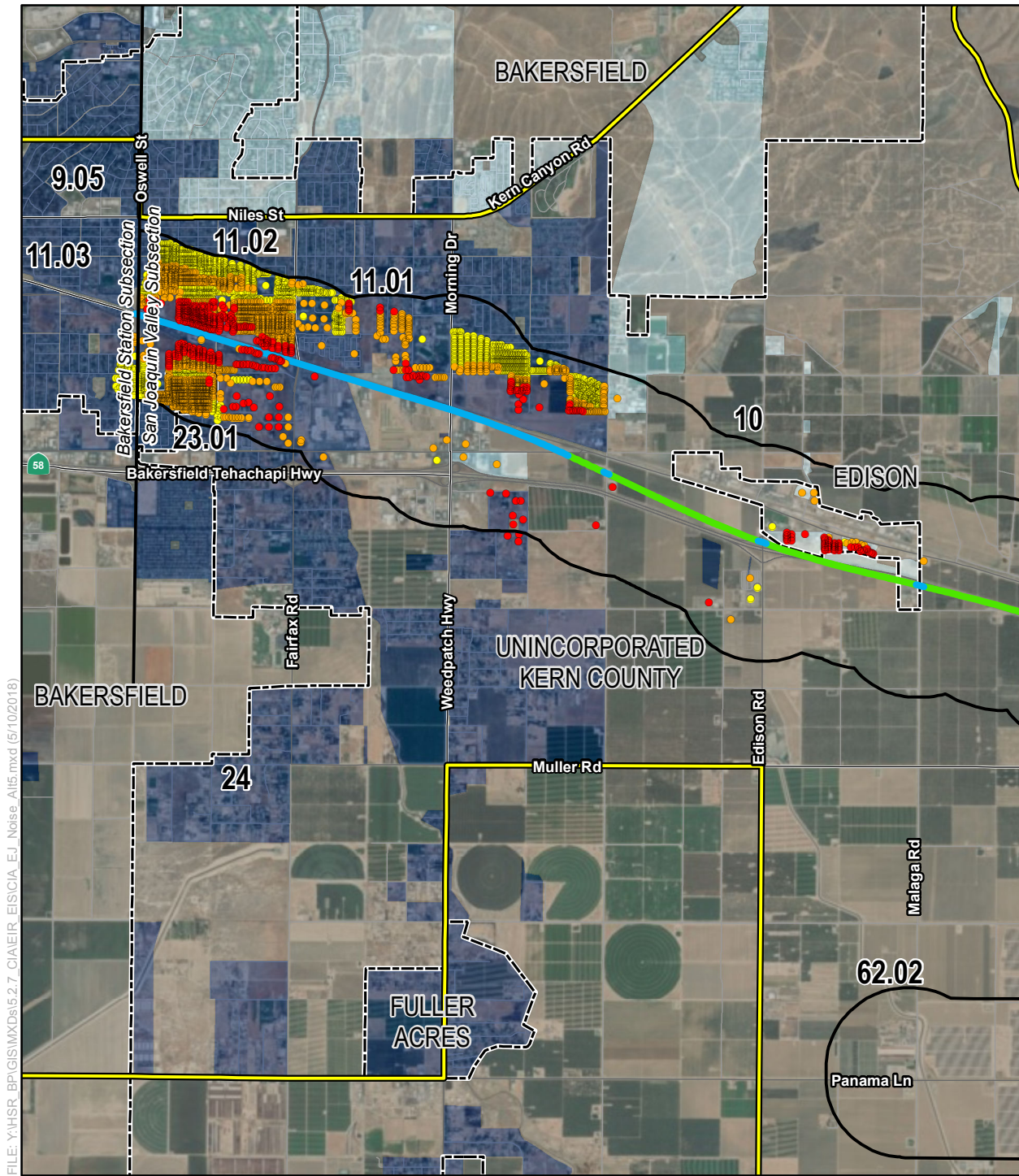


PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)



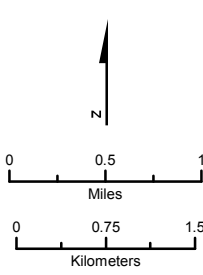
- Noise Receptor Impacts Page Index
- Environmental Justice Resource Study Area (RSA)
- 0.5 mile Buffer of Project Footprint
- Census Tracts Intersecting the RSA

Figure 5-A-9
 Operation-Phase
 Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 in the Environmental Justice
 Resource Study Area
 Map Index for Pages 11-11



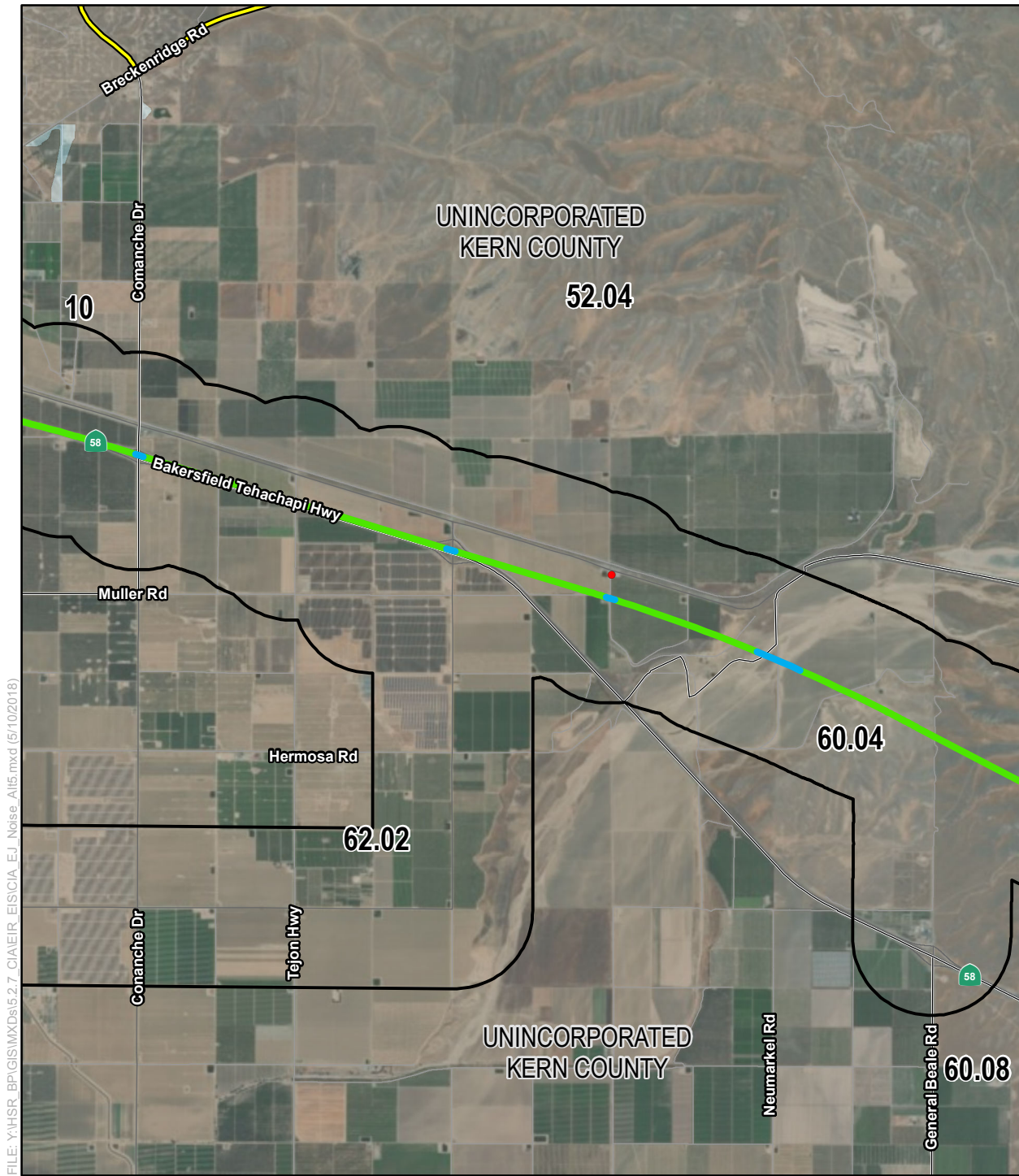
FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt5.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)



- Environmental Justice Resource Study Area (RSA)
- 0.5 mile Buffer of Project Footprint
- 10.0 Census Tracts (with Tract Numbers) Intersecting the RSA
- City/Census Designated Place
- Substantial Low-Income and/or Minority Populations
- Less Than Substantial
- Low Population Density
- Severe B-P Noise Receptor Impacts
- Moderate
- None
- Alternatives Under Consideration
- Alternative 5
- Elevated
- Surface
- Underground

Figure 5-A-9
 Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 1 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CA_EJ_Noise_Alt5.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

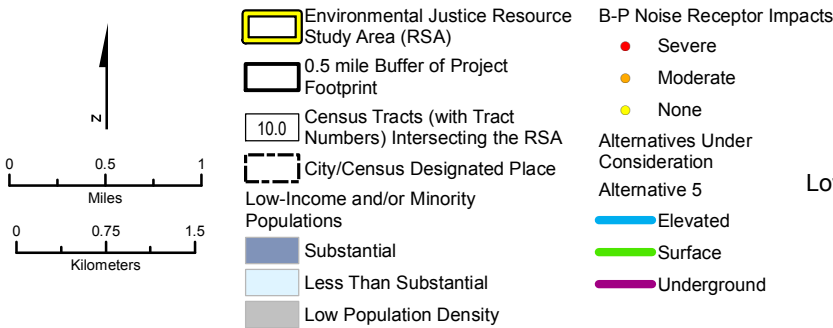
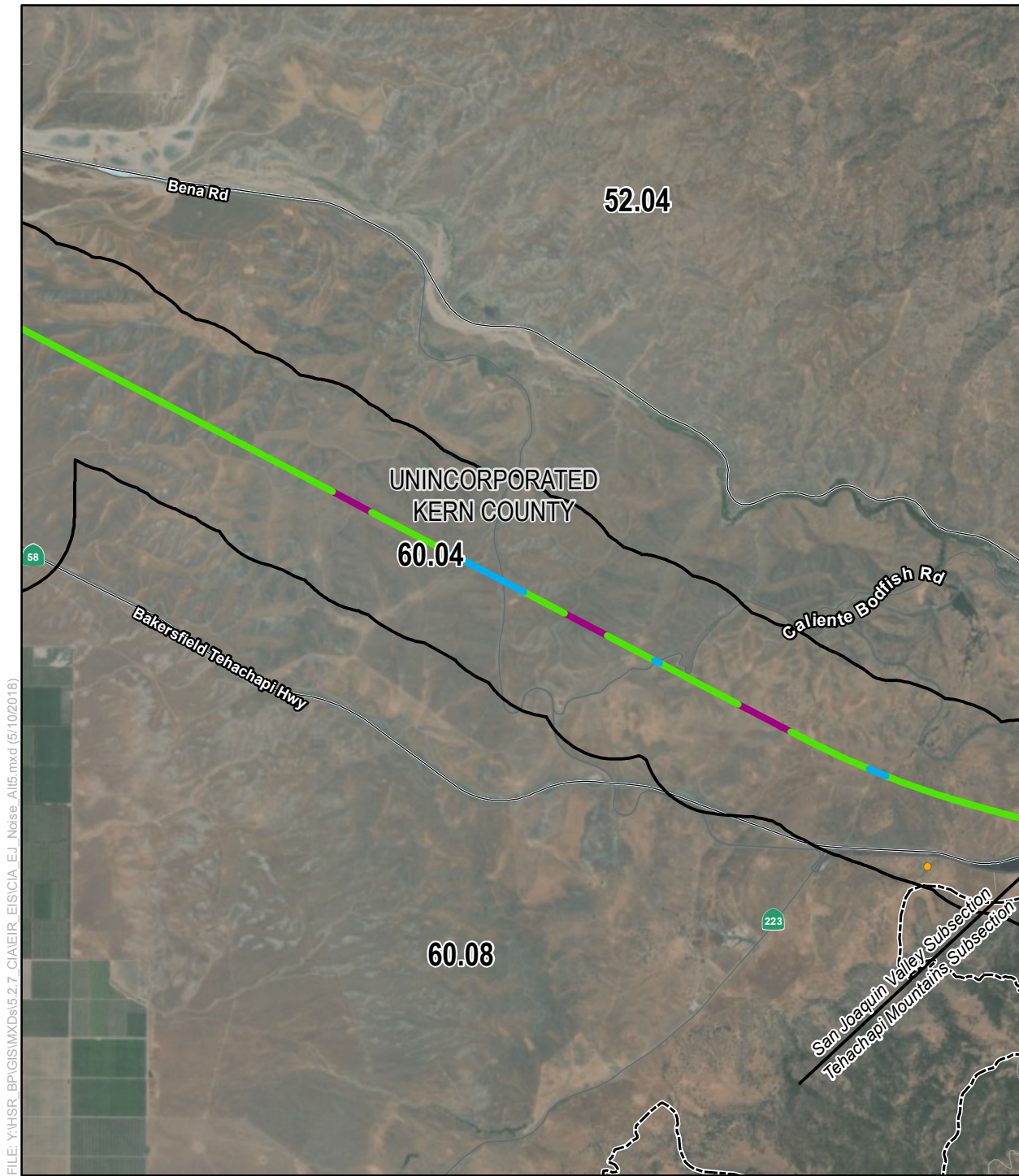


Figure 5-A-9
 Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 2 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EI_Noise_Alt5.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

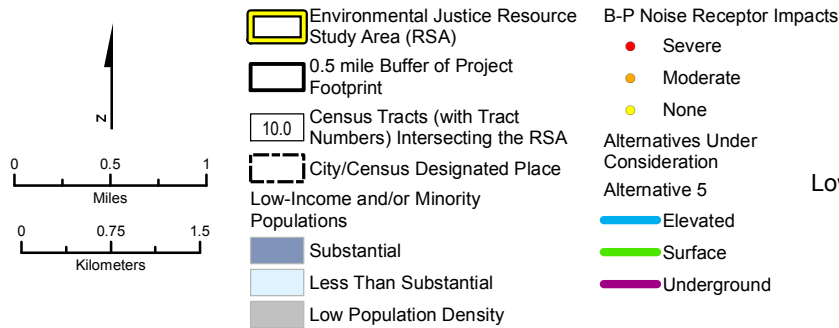
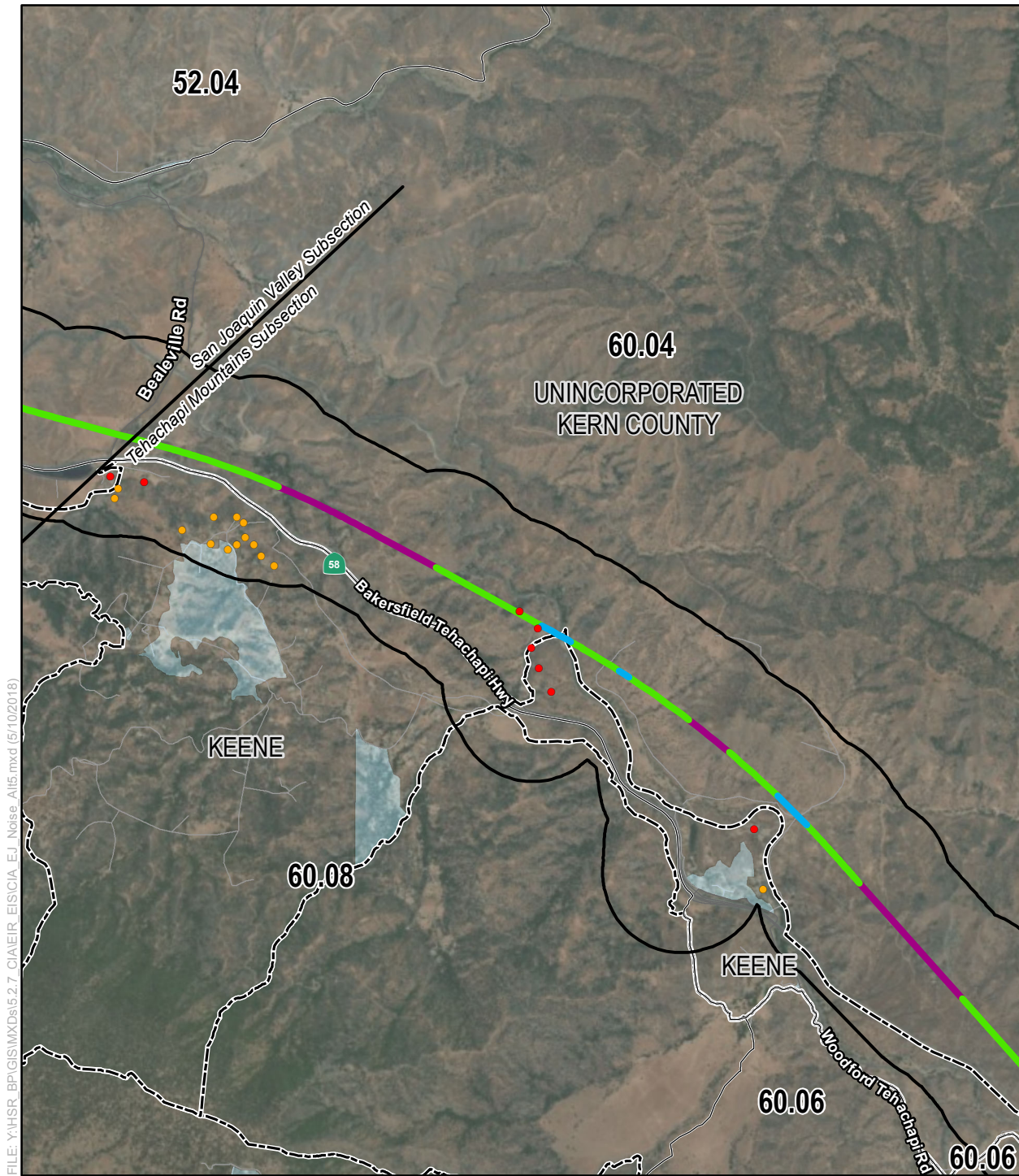


Figure 5-A-9
 Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 3 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt5.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

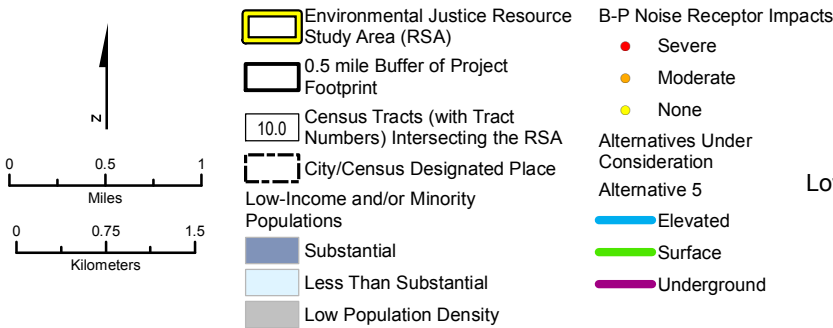
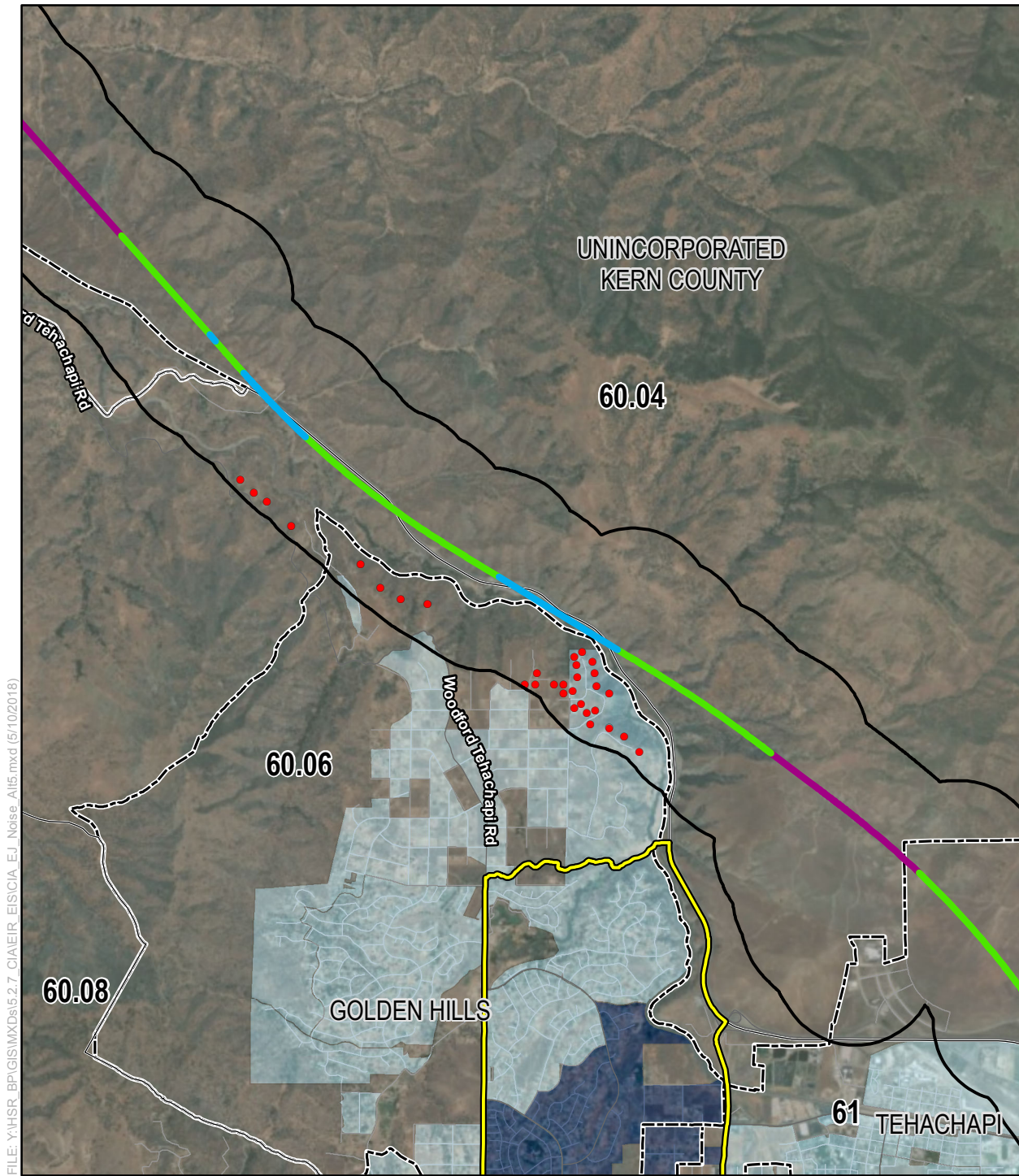
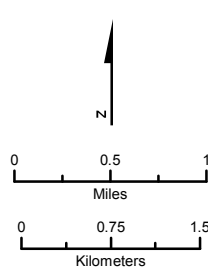


Figure 5-A-9
 Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 4 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt5.mxd (5/10/2018)

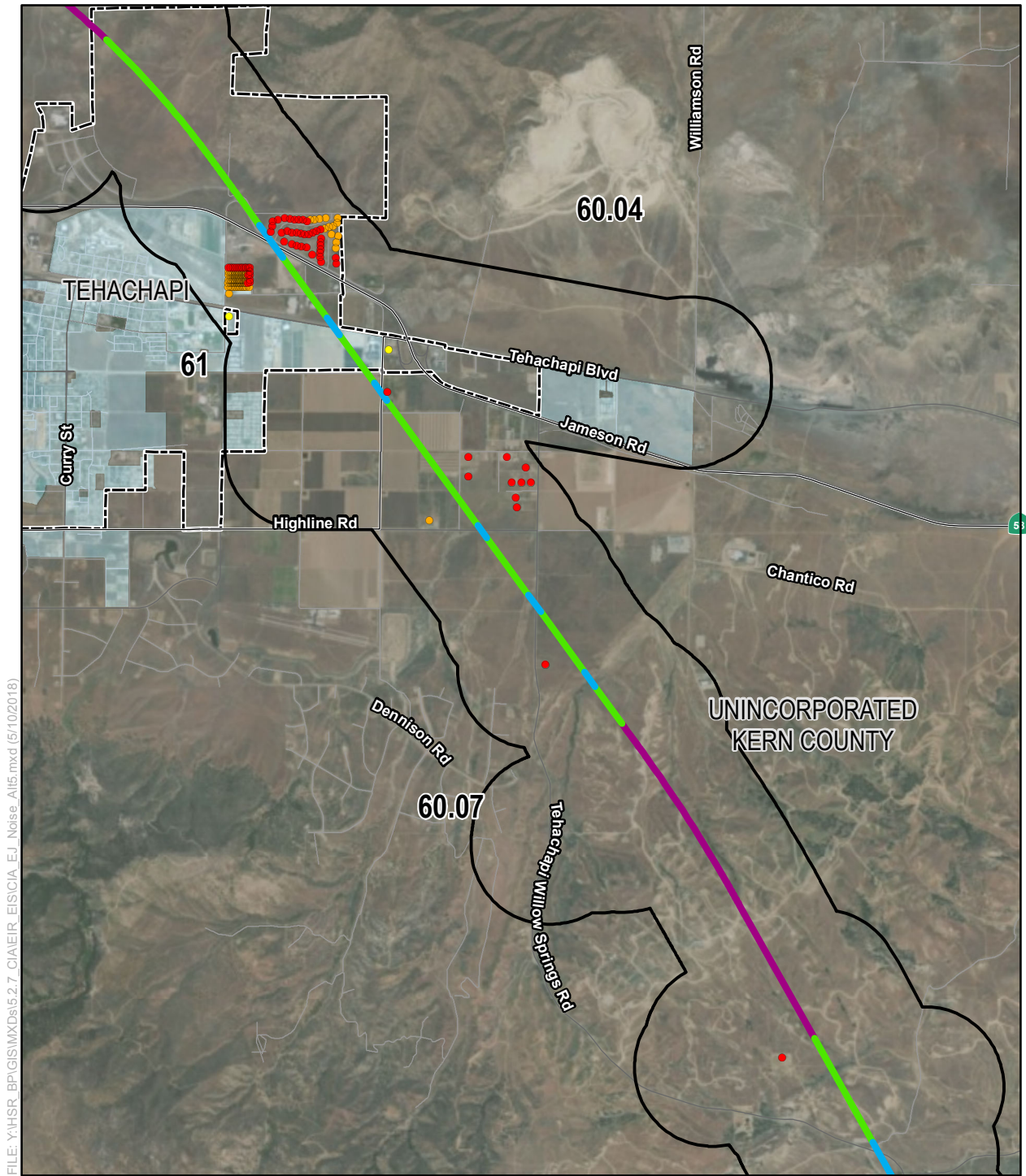
PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)



- Environmental Justice Resource Study Area (RSA)
- 0.5 mile Buffer of Project Footprint
- 10.0 Census Tracts (with Tract Numbers) Intersecting the RSA
- City/Census Designated Place
- Low-Income and/or Minority Populations
Substantial
- Less Than Substantial
- Low Population Density

- B-P Noise Receptor Impacts**
- Severe
- Moderate
- None
- Alternatives Under Consideration**
- Alternative 5
- Elevated
- Surface
- Underground

Figure 5-A-9
 Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 5 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt5.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

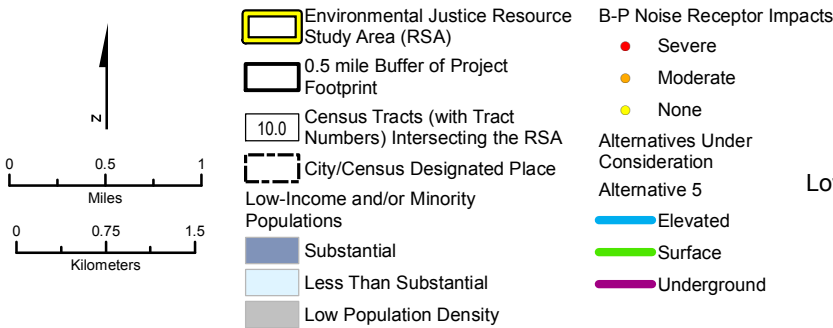
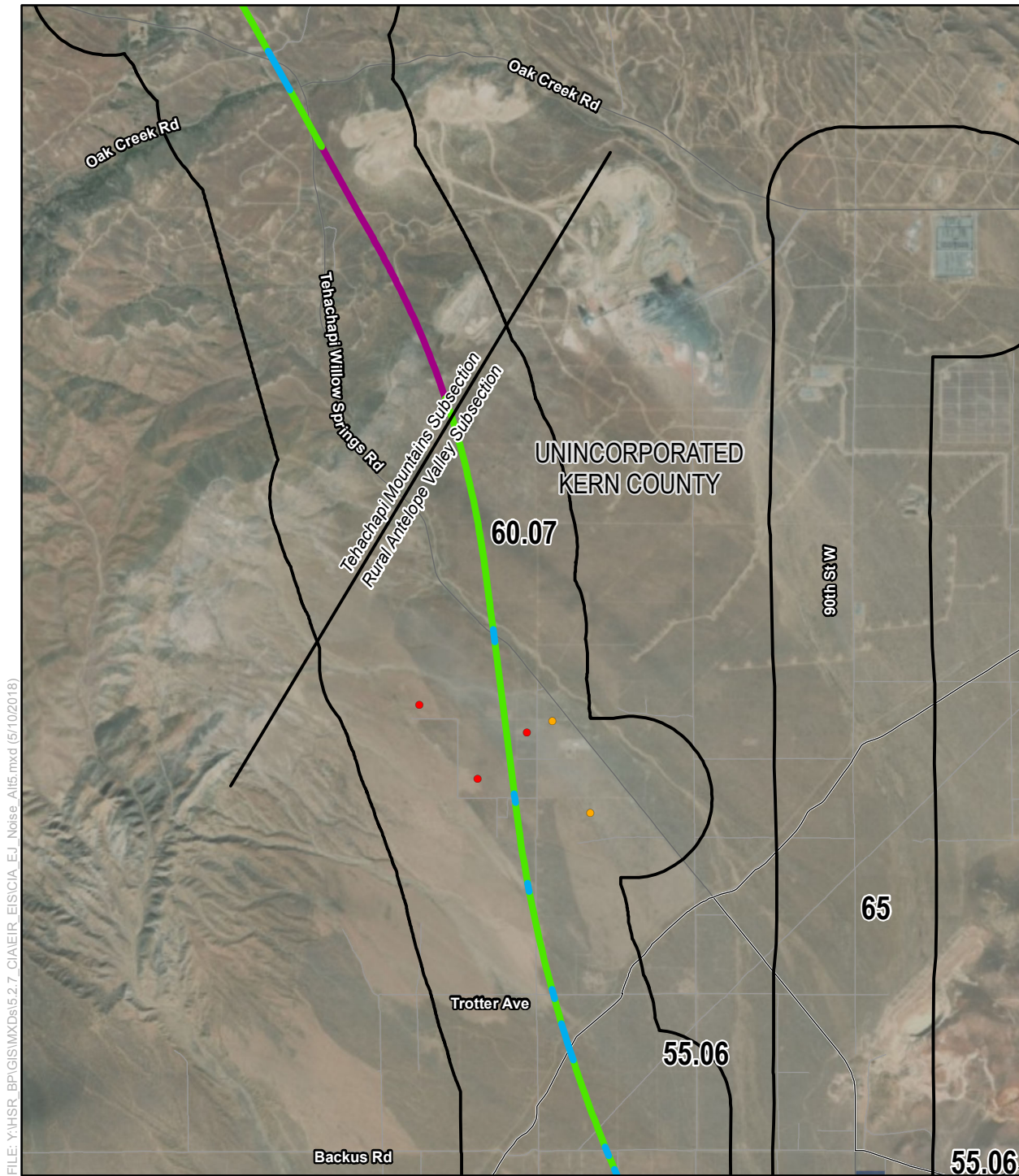


Figure 5-A-9
 Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 6 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt5.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

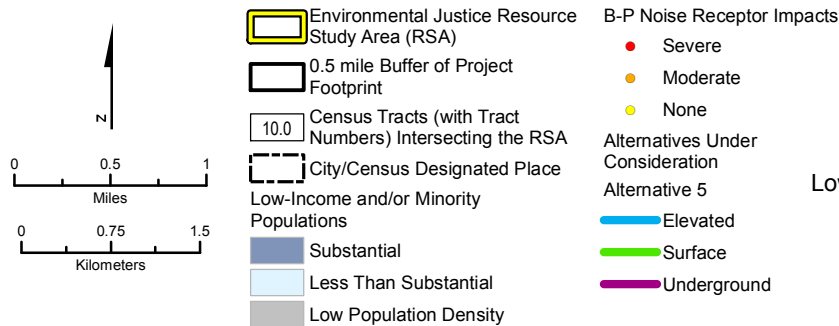
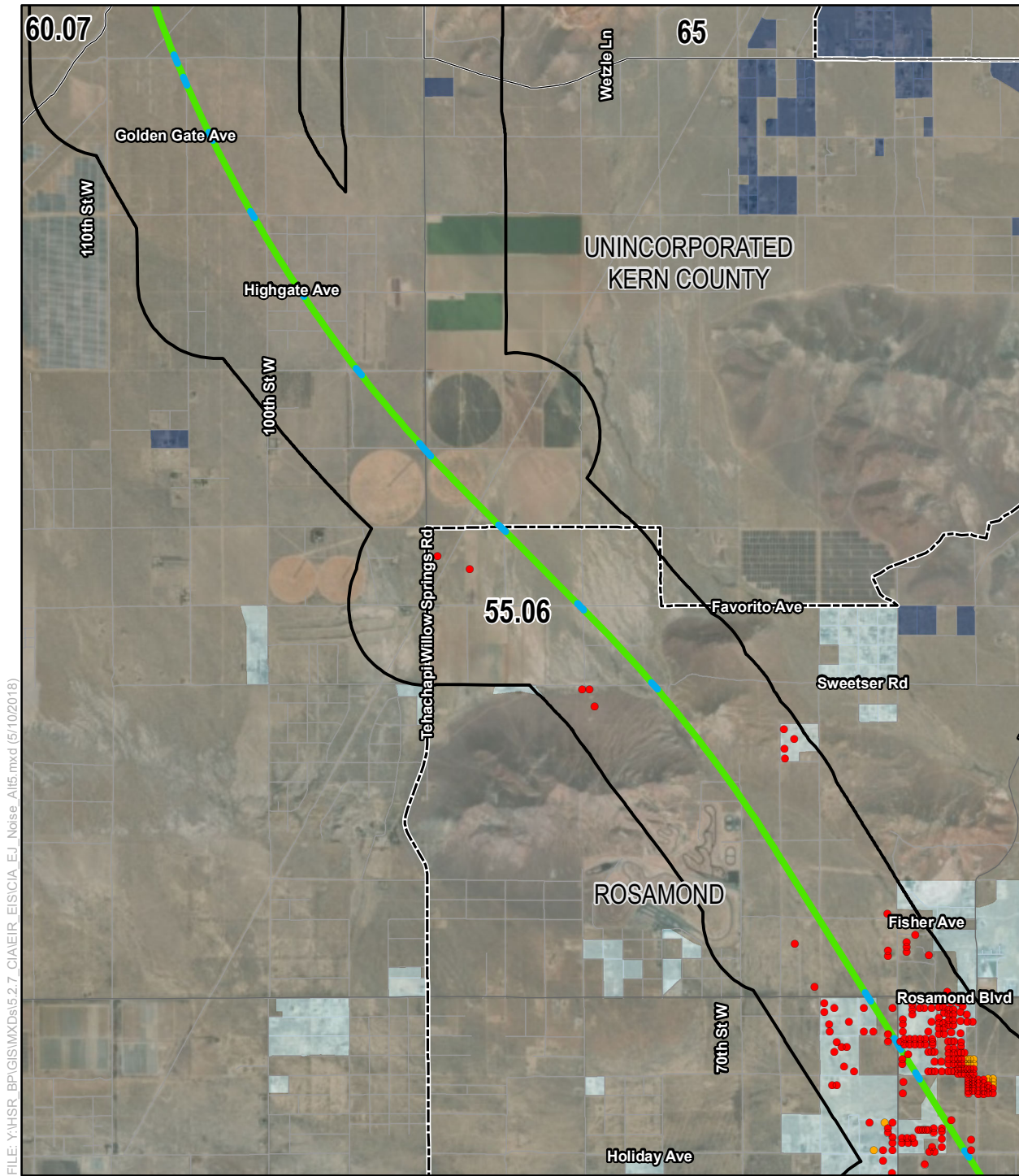


Figure 5-A-9
 Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 7 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt5.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

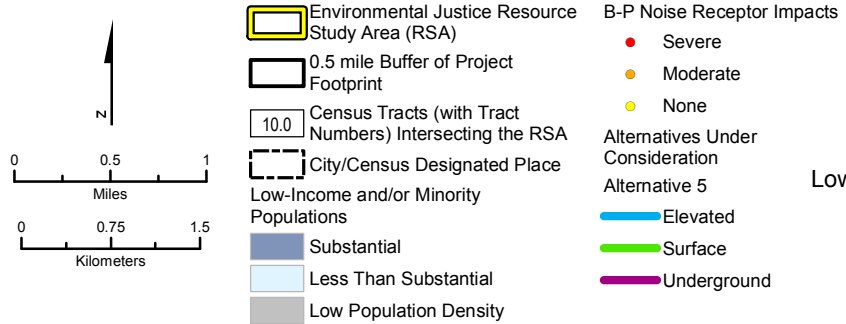
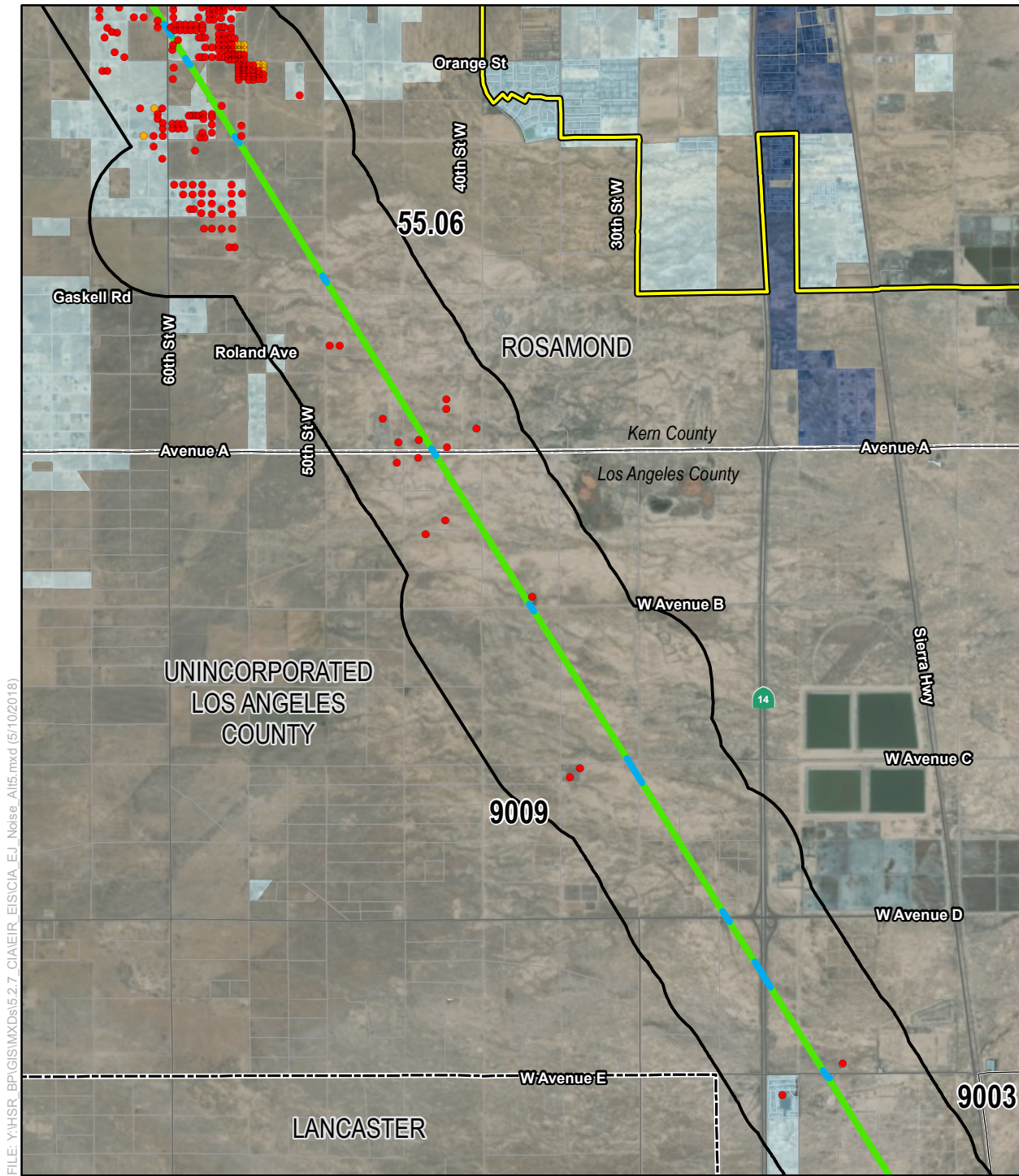


Figure 5-A-9
 Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 8 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt5.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

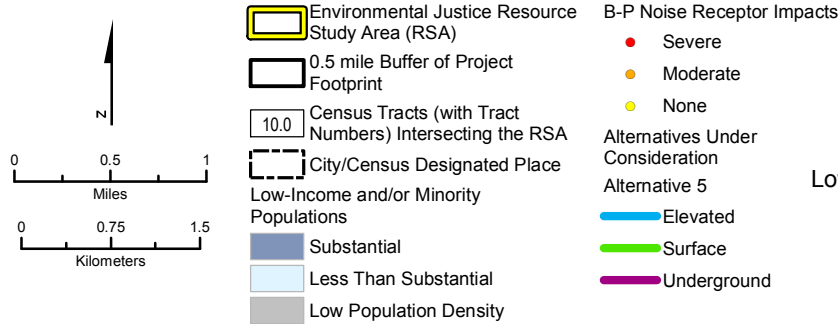
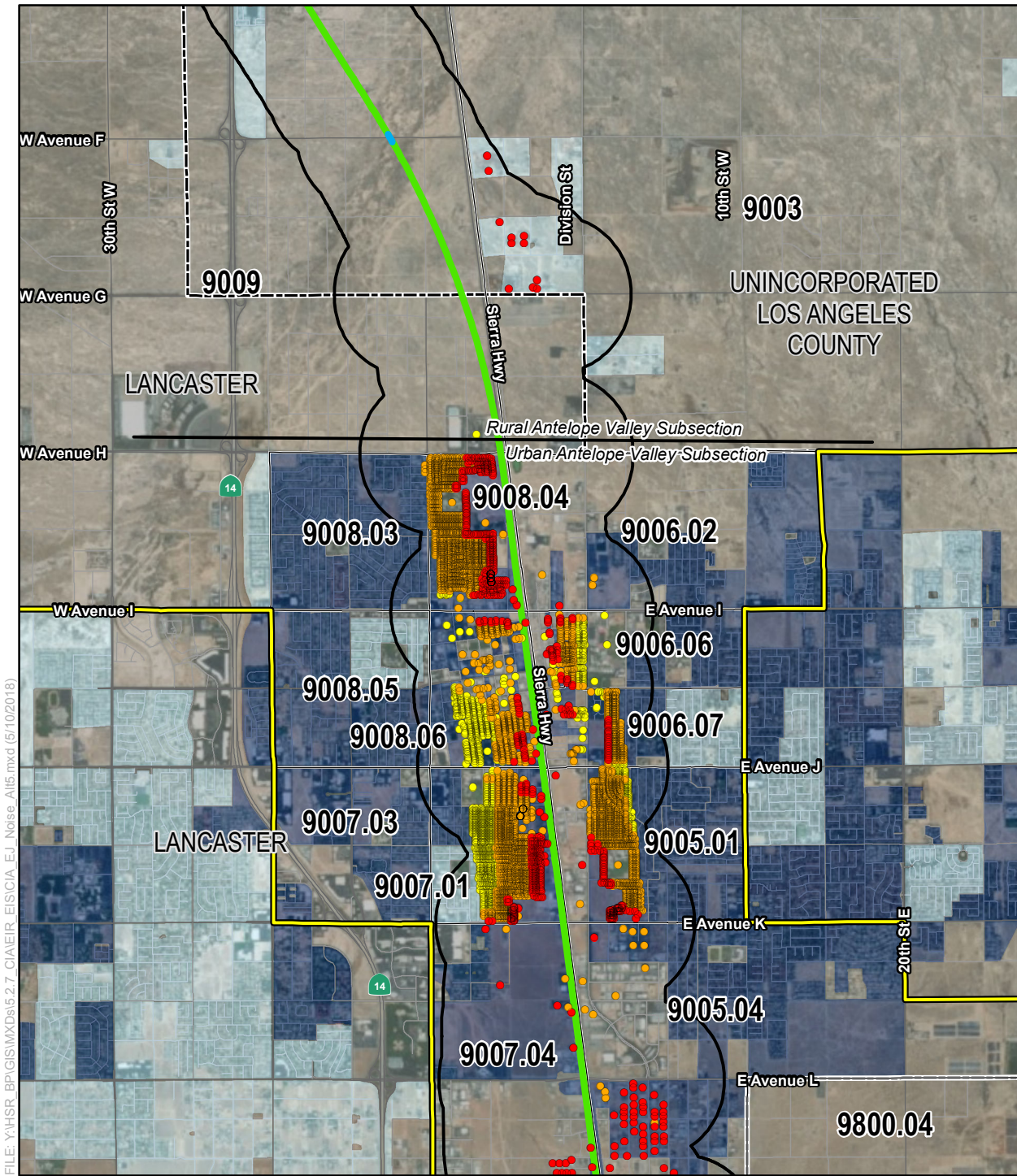


Figure 5-A-9
 Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 9 of 11



FILE: Y:\HSR_BP\GIS\MXD\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt5.mxd (5/10/2018)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

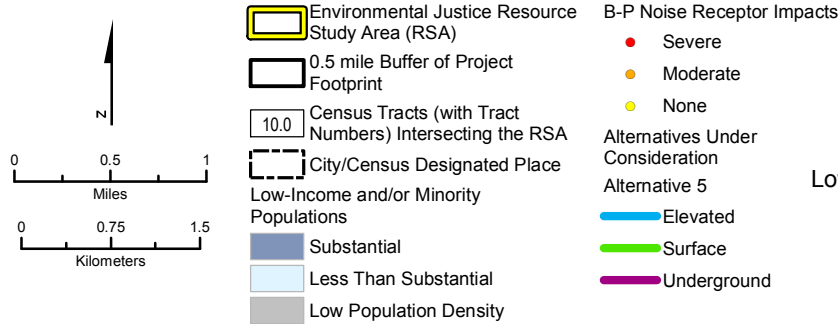
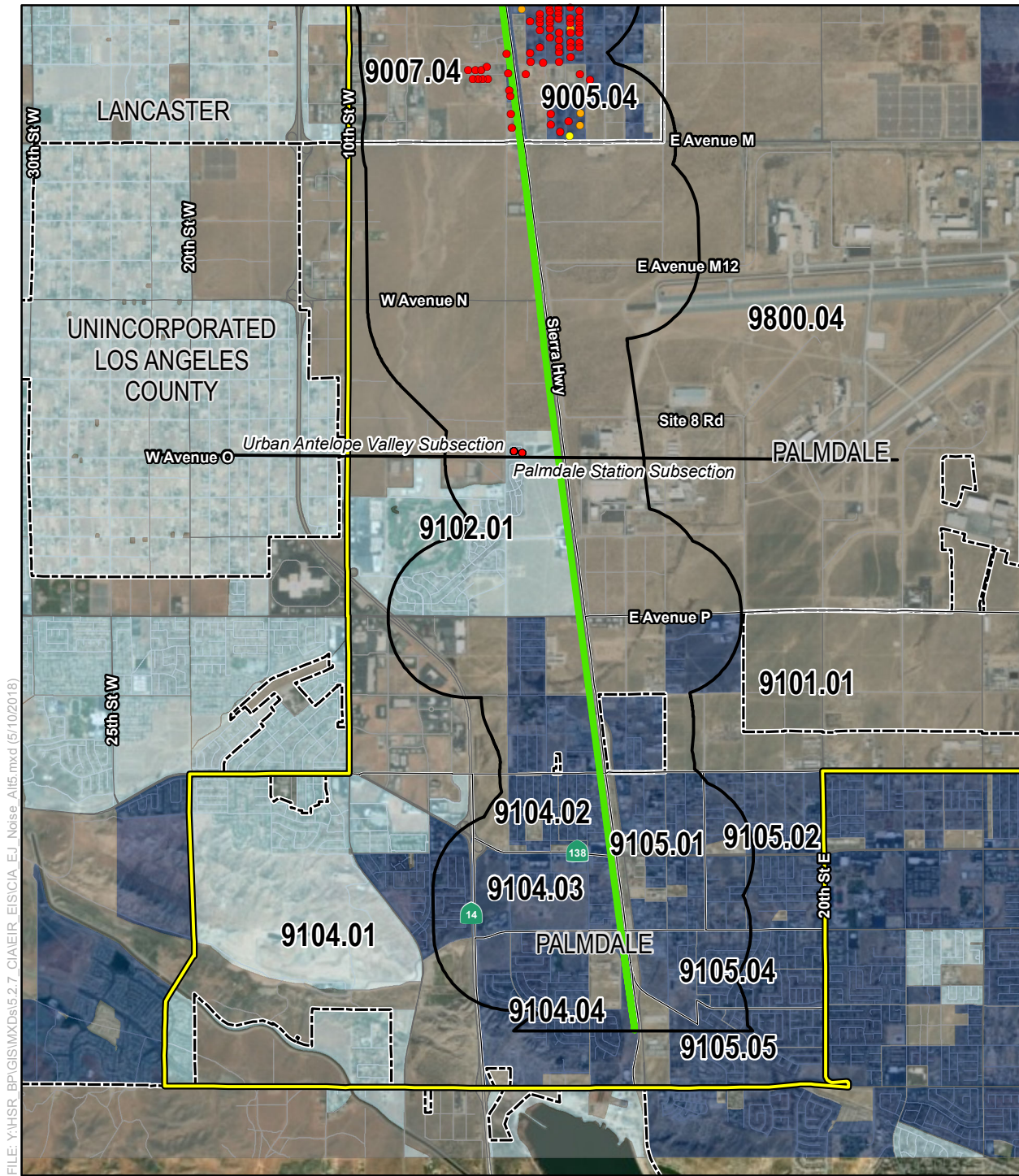
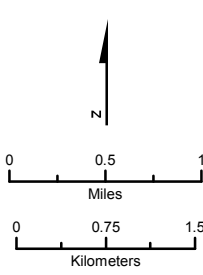


Figure 5-A-9
 Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 10 of 11



FILE: Y:\HSR_BP\GIS\MXDs\5.2.7_CIA\EIR_EIS\CIA_EJ_Noise_Alt5.mxd (5/10/2018)

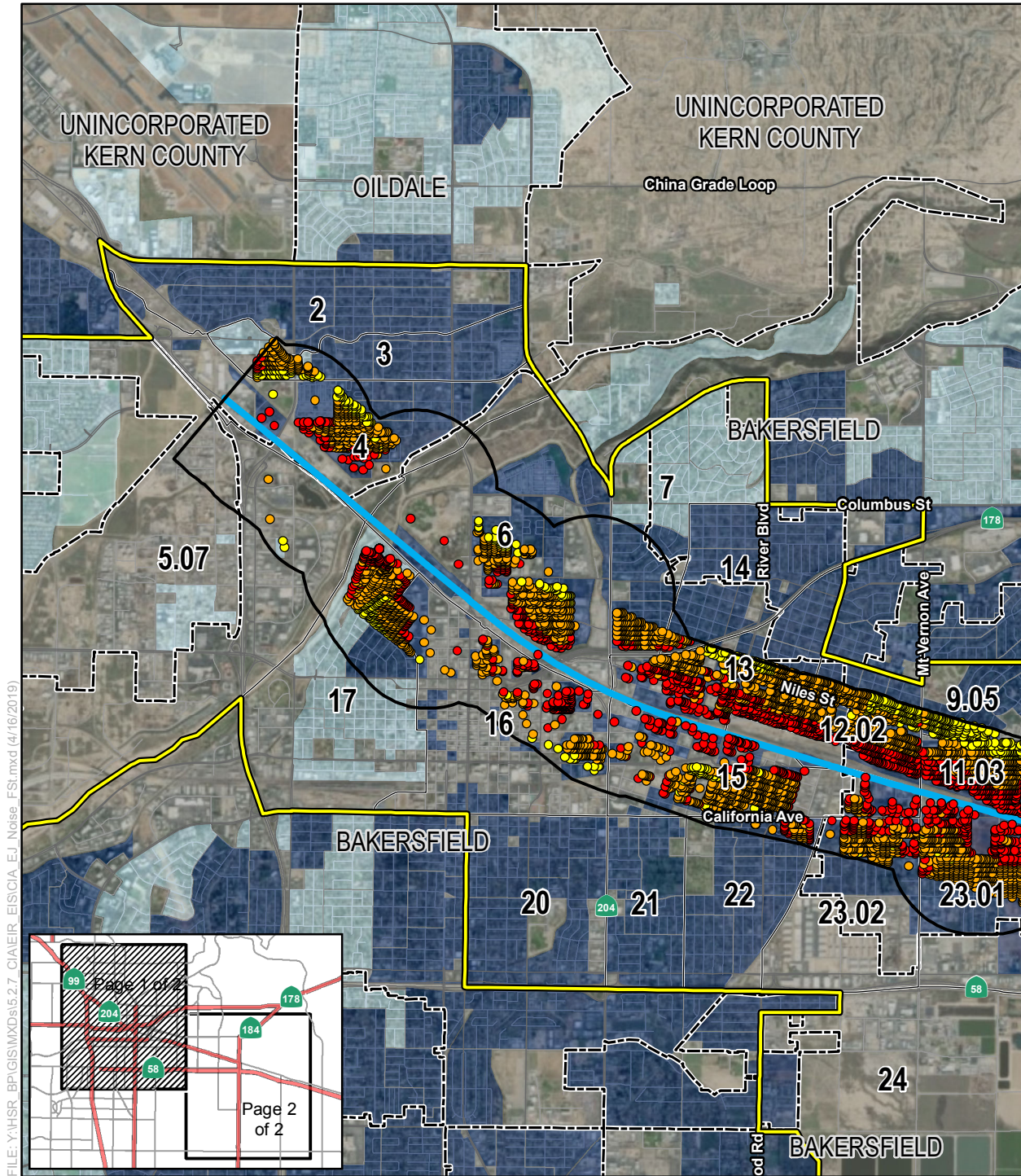
PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)



- Environmental Justice Resource Study Area (RSA)
- 0.5 mile Buffer of Project Footprint
- 10.0 Census Tracts (with Tract Numbers) Intersecting the RSA
- City/Census Designated Place
- Low-Income and/or Minority Populations
 - Substantial
 - Less Than Substantial
 - Low Population Density
- B-P Noise Receptor Impacts
 - Severe
 - Moderate
 - None
- Alternatives Under Consideration
 - Elevated
 - Surface
 - Underground

Figure 5-A-9

Operation-Phase Alternative 5
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 11 of 11



FILE: Y:\HSR_BP\GIS\IMXD\5.2.7_CIAVEIR_EIS\CIA_EJ_Noise_FST.mxd (4/16/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

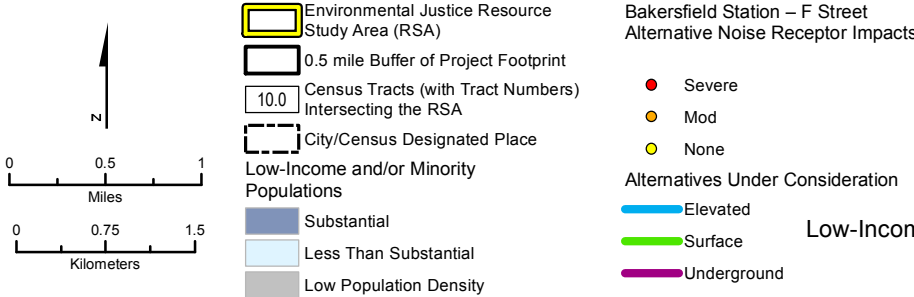
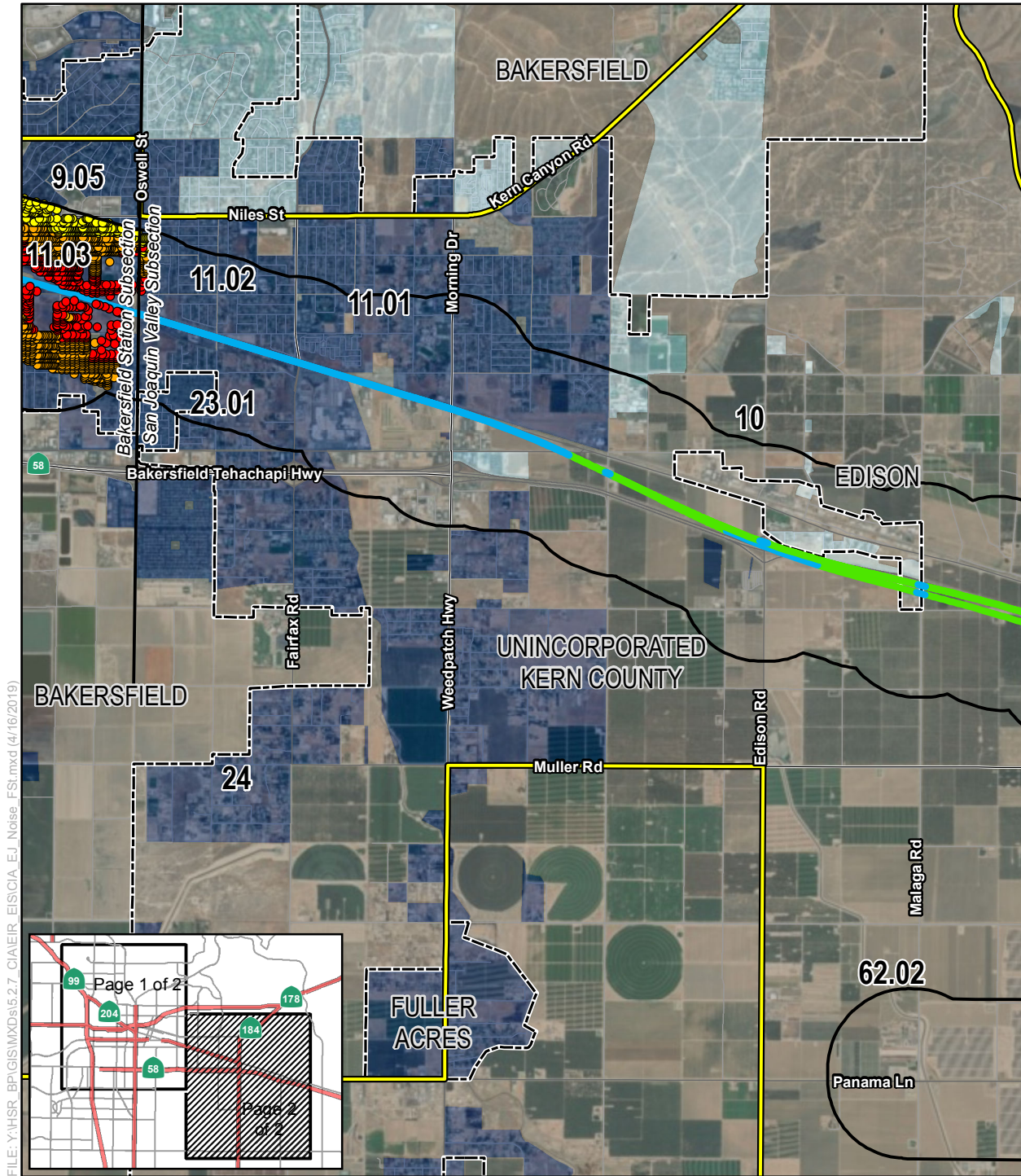


Figure 5-A-10

Operation-Phase
 Bakersfield Station –
 F Street Station
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 1 of 2



FILE: Y:\HSR_BP\GIS\IMXD\5.2.7_CIAVEIR_EIS\CIA_EJ_Noise_FST.mxd (4/16/2019)

PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri Aerial Imagery (2015); CHSRA (4/2016); US Census Bureau American Community Survey (2009-2013)

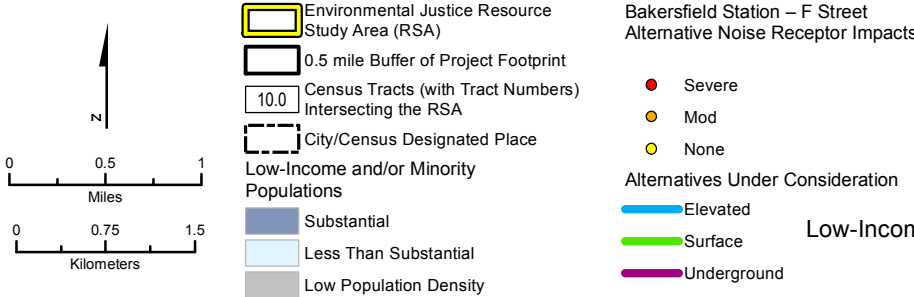


Figure 5-A-10

Operation-Phase
 Bakersfield Station –
 F Street Station
 Noise Receptor Impacts
 Low-Income and/or Minority Populations
 Page 2 of 2

This page intentionally left blank