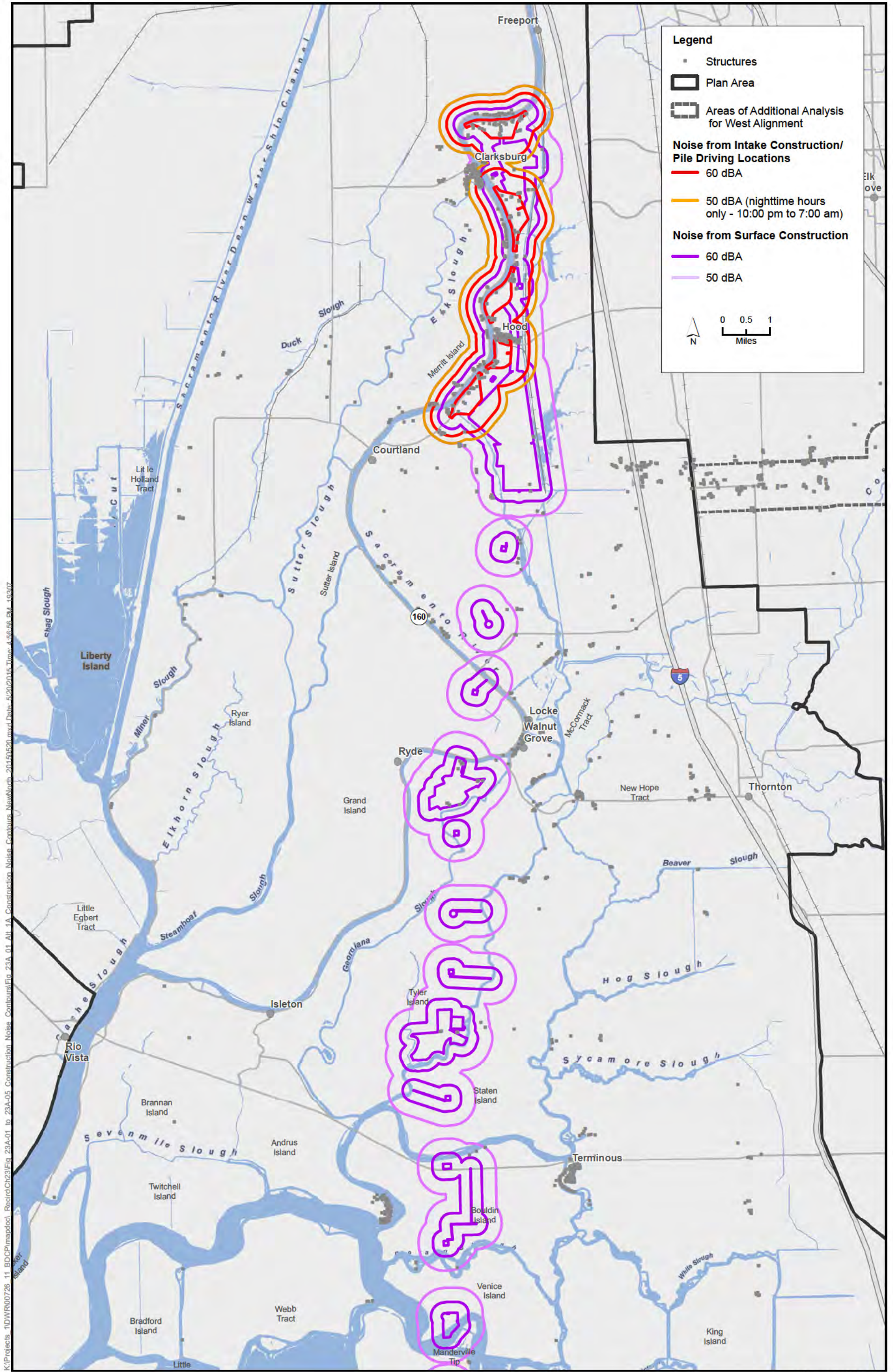


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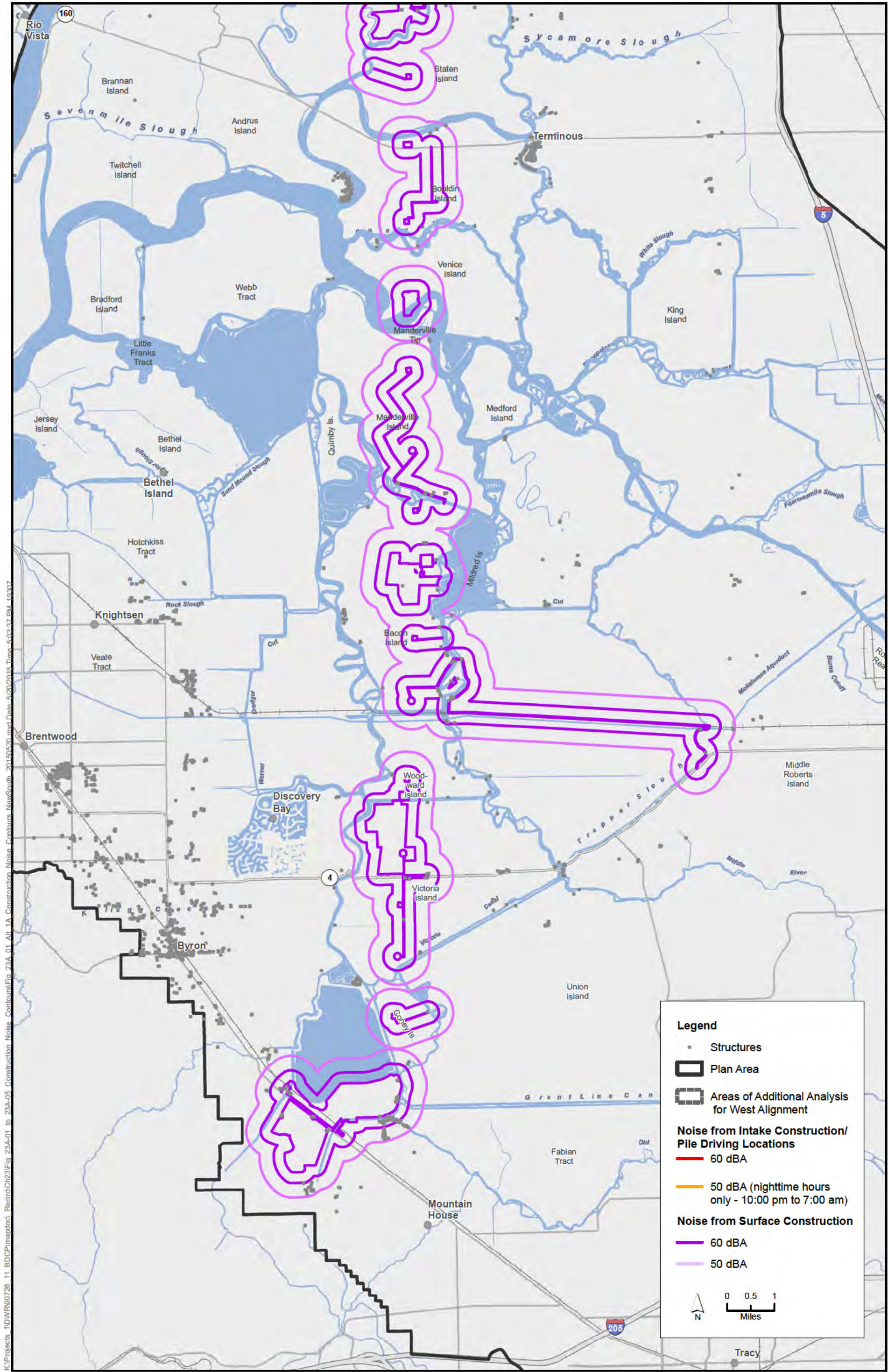
Noise Contours—Construction



K:\Projects_1\DW\00726_11_BDCP\mapdoc\Rectrl\Ch23\Fig_23A-01 to 23A-05_Construction Noise Contours\Fig_23A-01_Alt_1A_Construction Noise Contours-New\ndbh_20141020.mxd Date: 5/20/2015 Time: 4:56:56 PM 19307

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

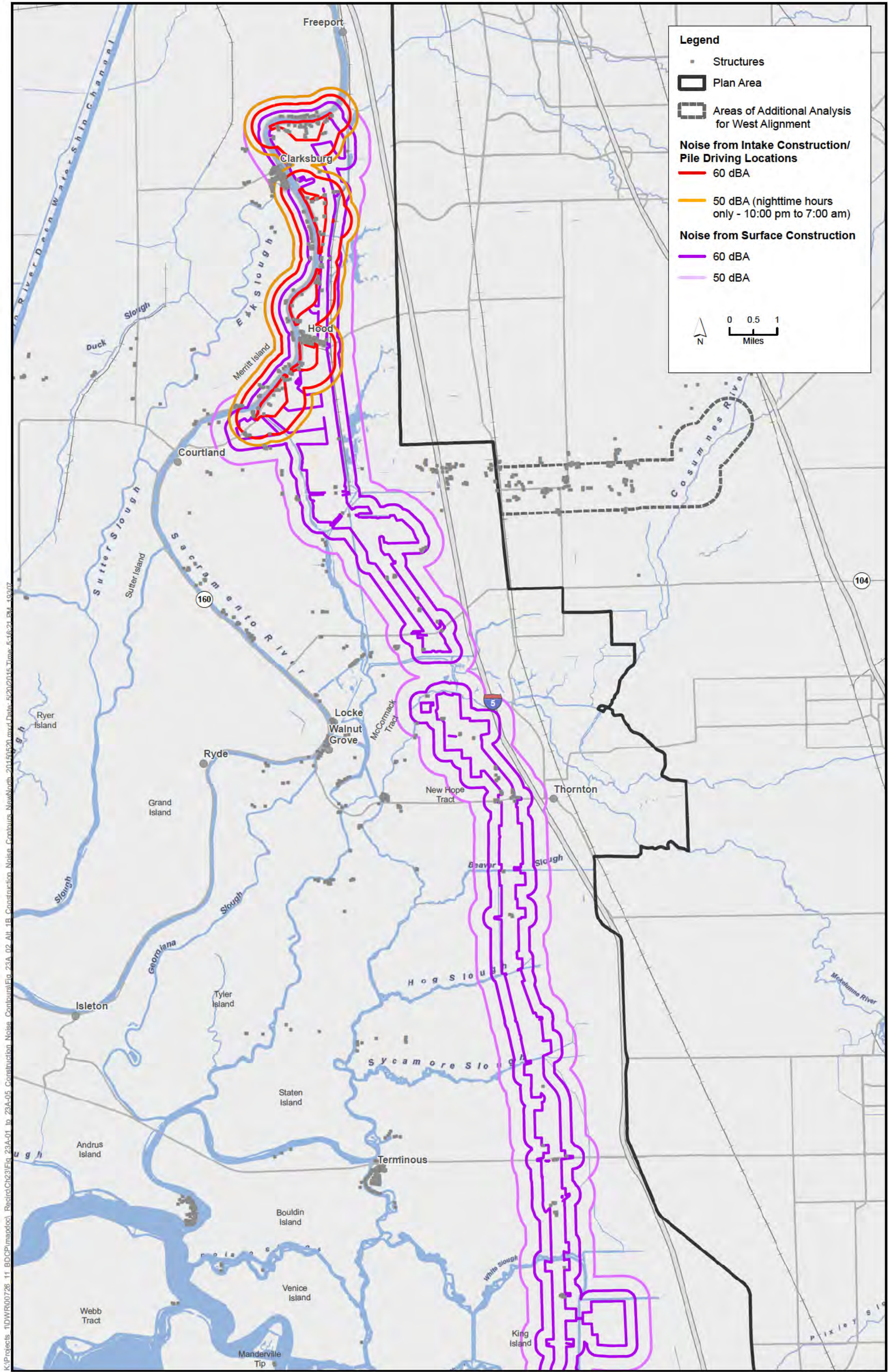
Figure 23A-01
Alternative 1A - Pipeline/Tunnel Option
Construction Noise Contours (North)



K:\Projects_1\DWFR00726_11_BDCP\mapdoc\Recirc\Ch23\Fig_23A-01 to 23A-05_Construction_Noise_Contours_NewSouth_20110520.mxd Date: 5/20/2015 Time: 5:03:37 PM 19307

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

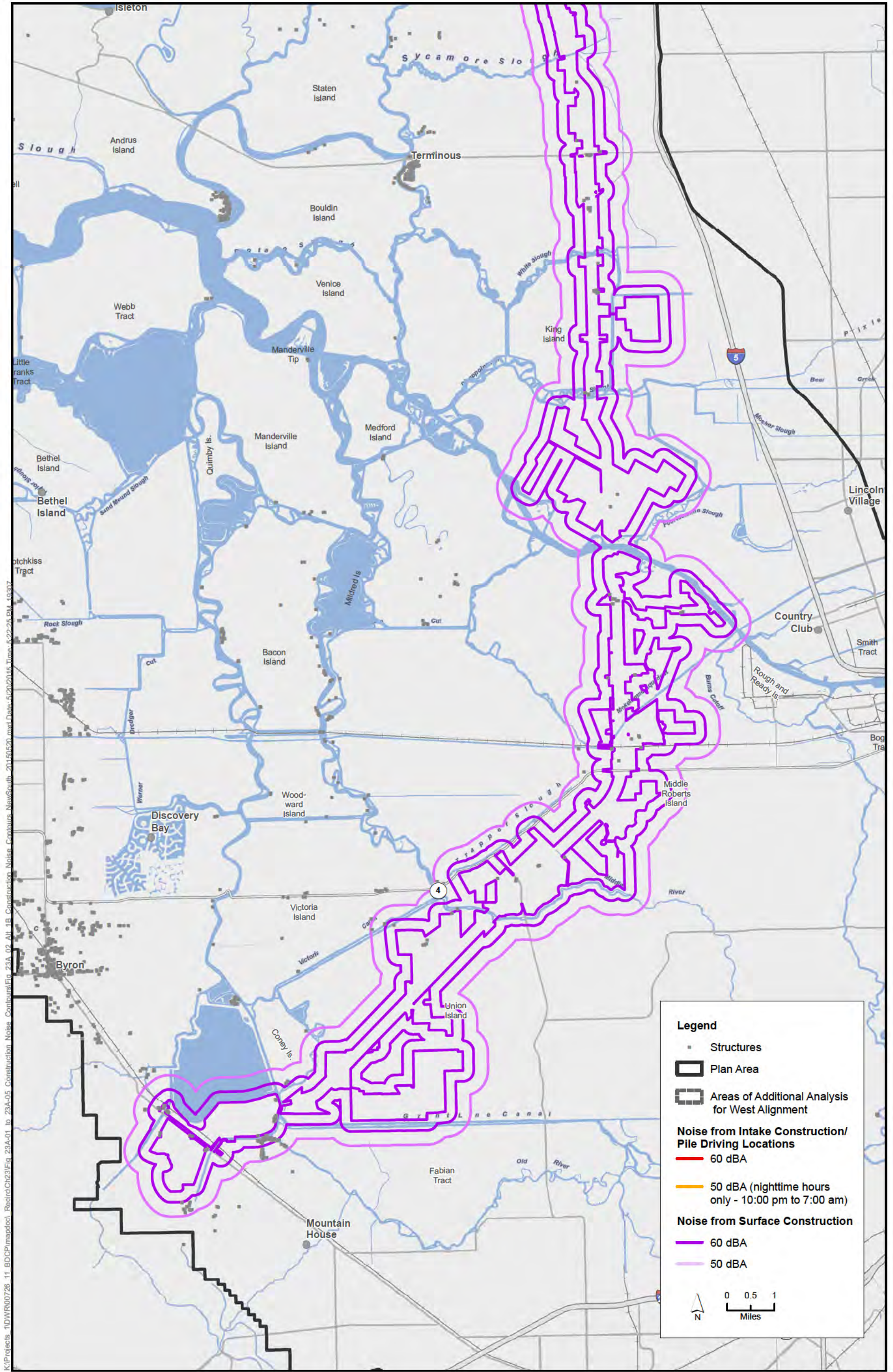
Figure 23A-01
Alternative 1A - Modified Pipeline/Tunnel Option
Construction Noise Contours (South)



K:\Projects\1\DW\00726_11_BDCP\mapdoc\Reclrd\Ch23\Fig_23A-01_to_23A-05_Construction_Noise_Contours\Fig_23A_02_Alt_1B_Construction_Noise_Contours_NewNadh_2014150520.mxd, Date: 5/20/2015, Time: 5:46:21 PM, 49307

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

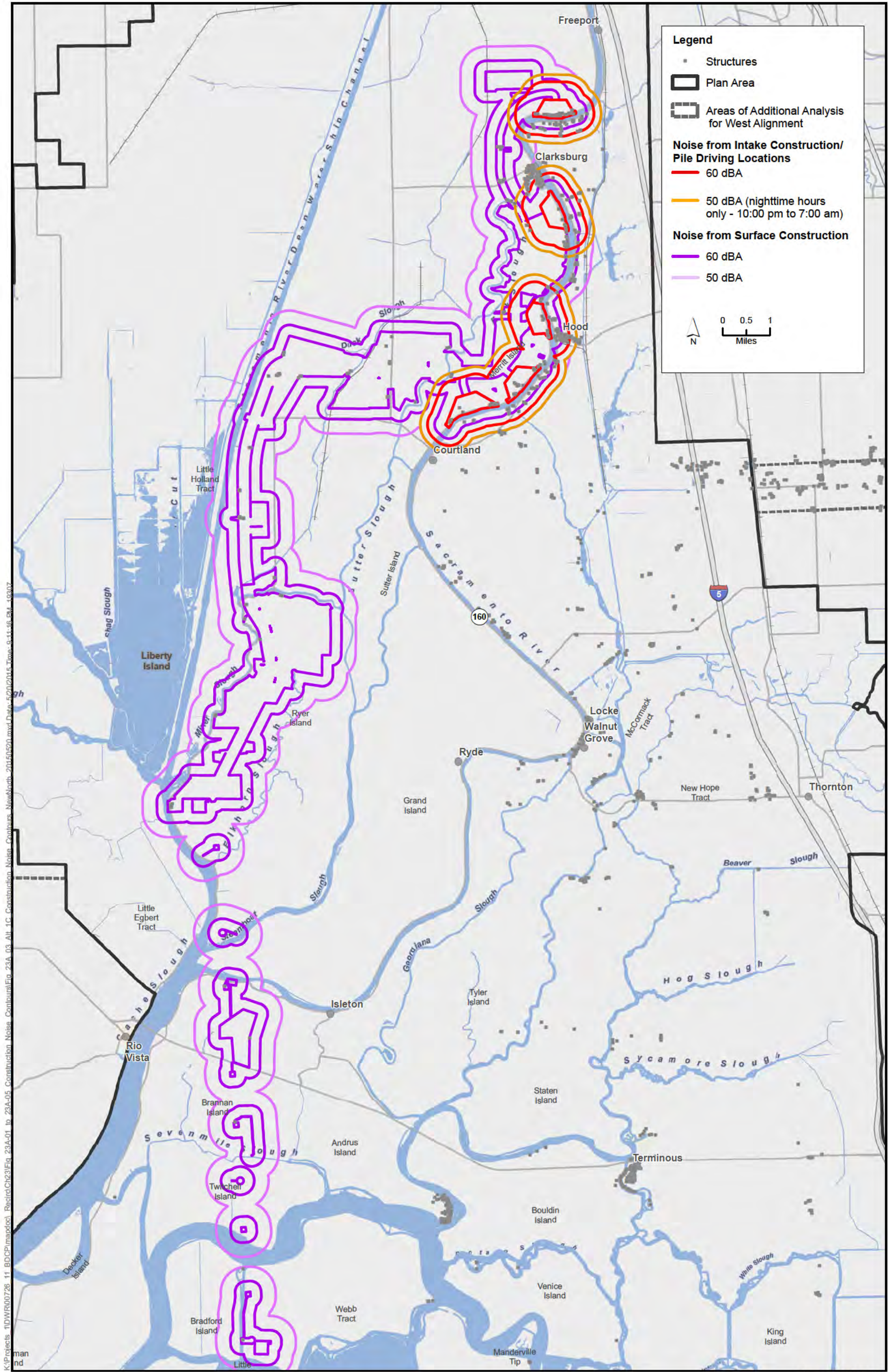
Figure 23A-02
Alternative 1B - East Option
Construction Noise Contours (North)



K:\Projects\1\DW\00726_11_BDCP\mapdoc\Recirc\Ch23\Fig_23A-01_to_23A-05_Construction_Noise_Contours_NewSouth_20110520.mxd Date: 5/22/2015 Time: 5:22:25 PM 19307

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

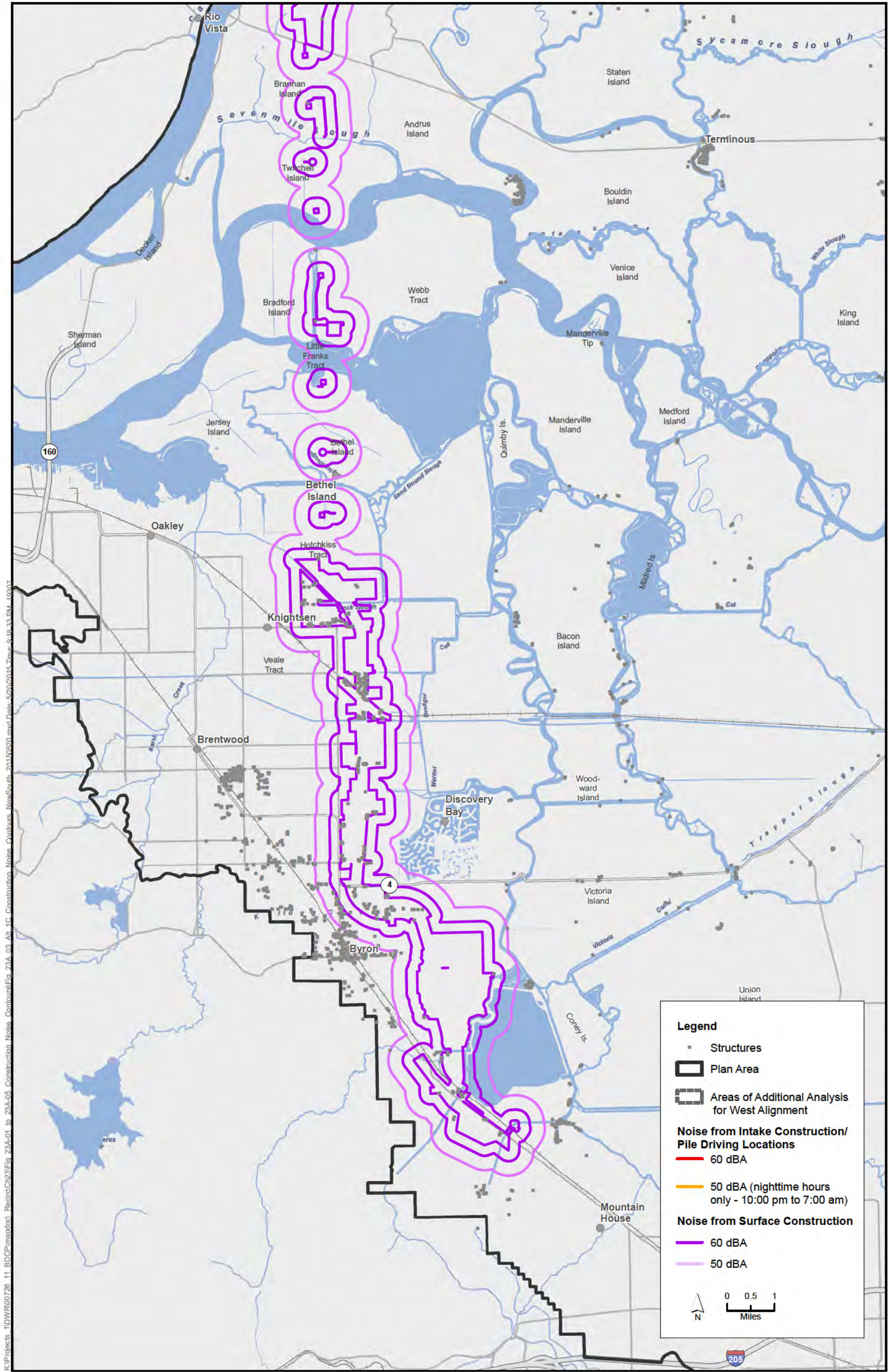
Figure 23A-02
Alternative 1B - East Option
Construction Noise Contours (South)



K:\Projects\1\DW\00726_11_BDCP\mapdoc\Recirc\Ch23\Fig_23A-01_to_23A-05_Construction_Noise_Contours\Fig_23A_03_Alt_1C_Construction_Noise_Contours.mxd Date: 5/20/2015 Time: 9:41:16 AM 13907

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

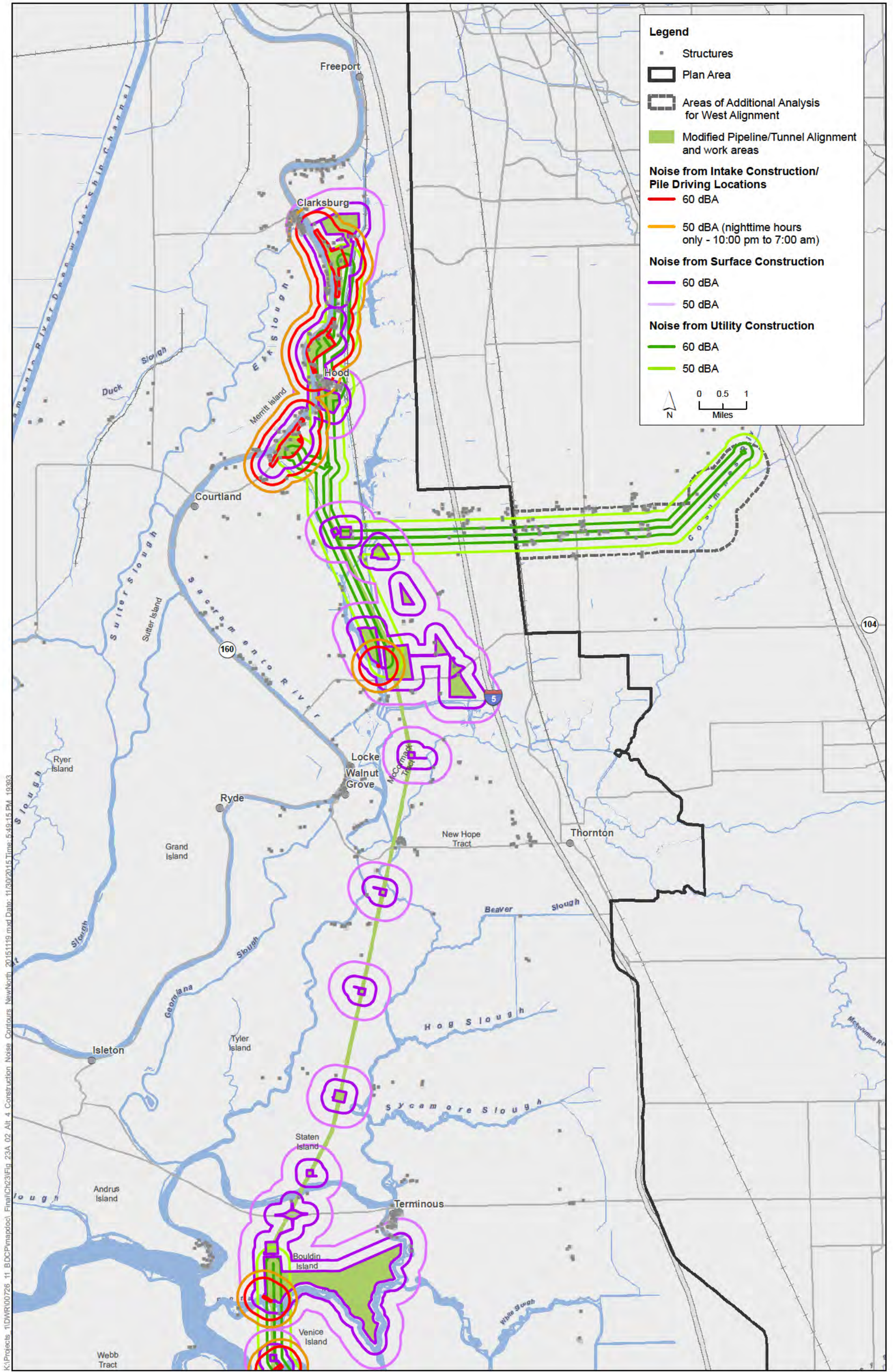
Figure 23A-03
Alternative 1C - West Option
Construction Noise Contours (North)



K:\Projects\1\DW\00726_11_BDCP\mapdoc\Recirc\Ch23\Fig_23A-01_to_23A-05_Construction_Noise_Contours_NewSouth_20150520.mxd Date: 5/20/2015 Time: 9:18:33 AM -19307

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

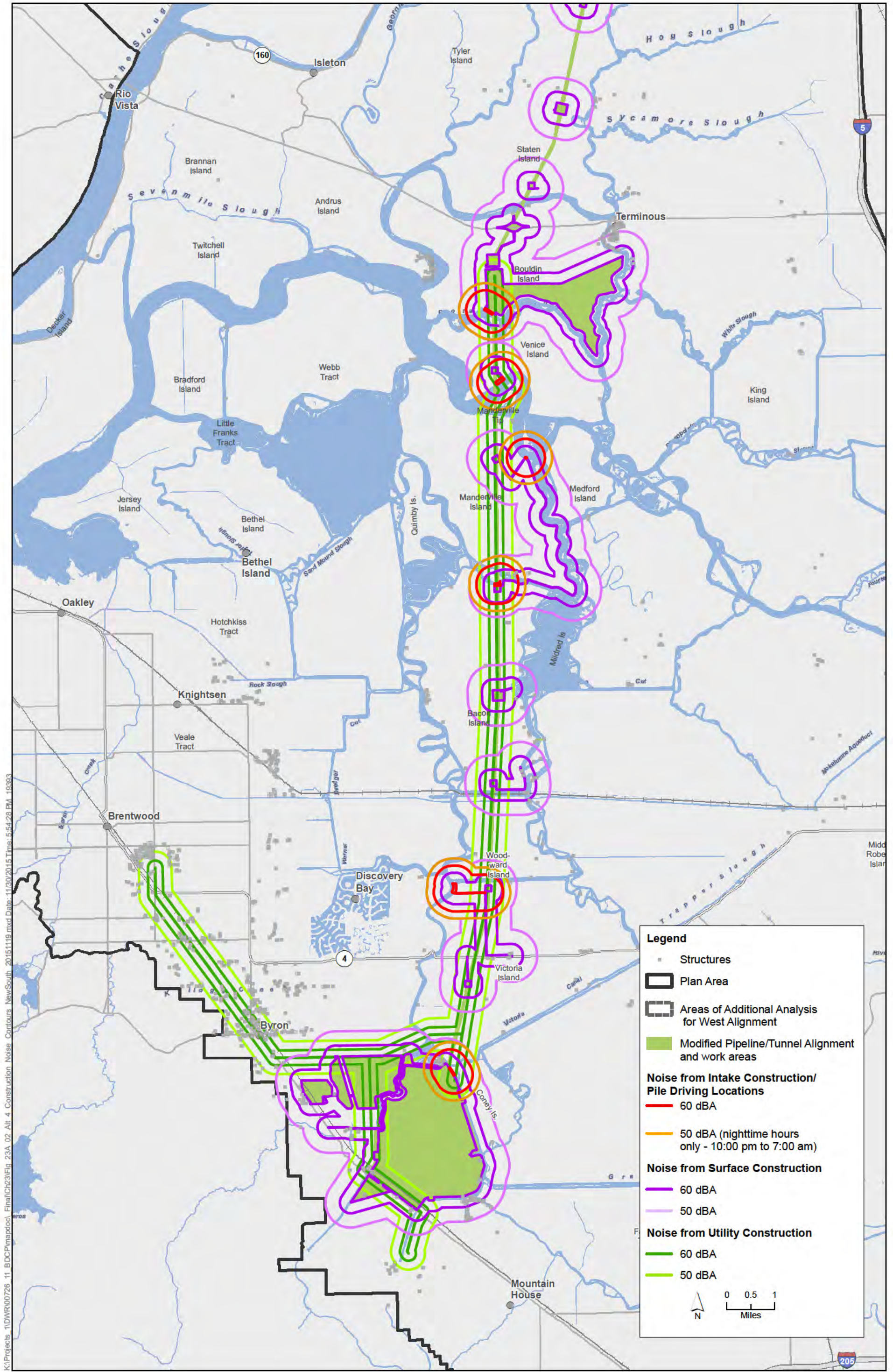
Figure 23A-03
Alternative 1C - West Option
Construction Noise Contours (South)



K:\Projects\1\DW00726\11_BDC\pmapdoc\Final\Ch23\Fig_23A_02_Alt_4_Construction_Noise_Contours_NewNorth_20151119.mxd Date: 11/30/2015 Time: 5:49:15 PM 19333

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015

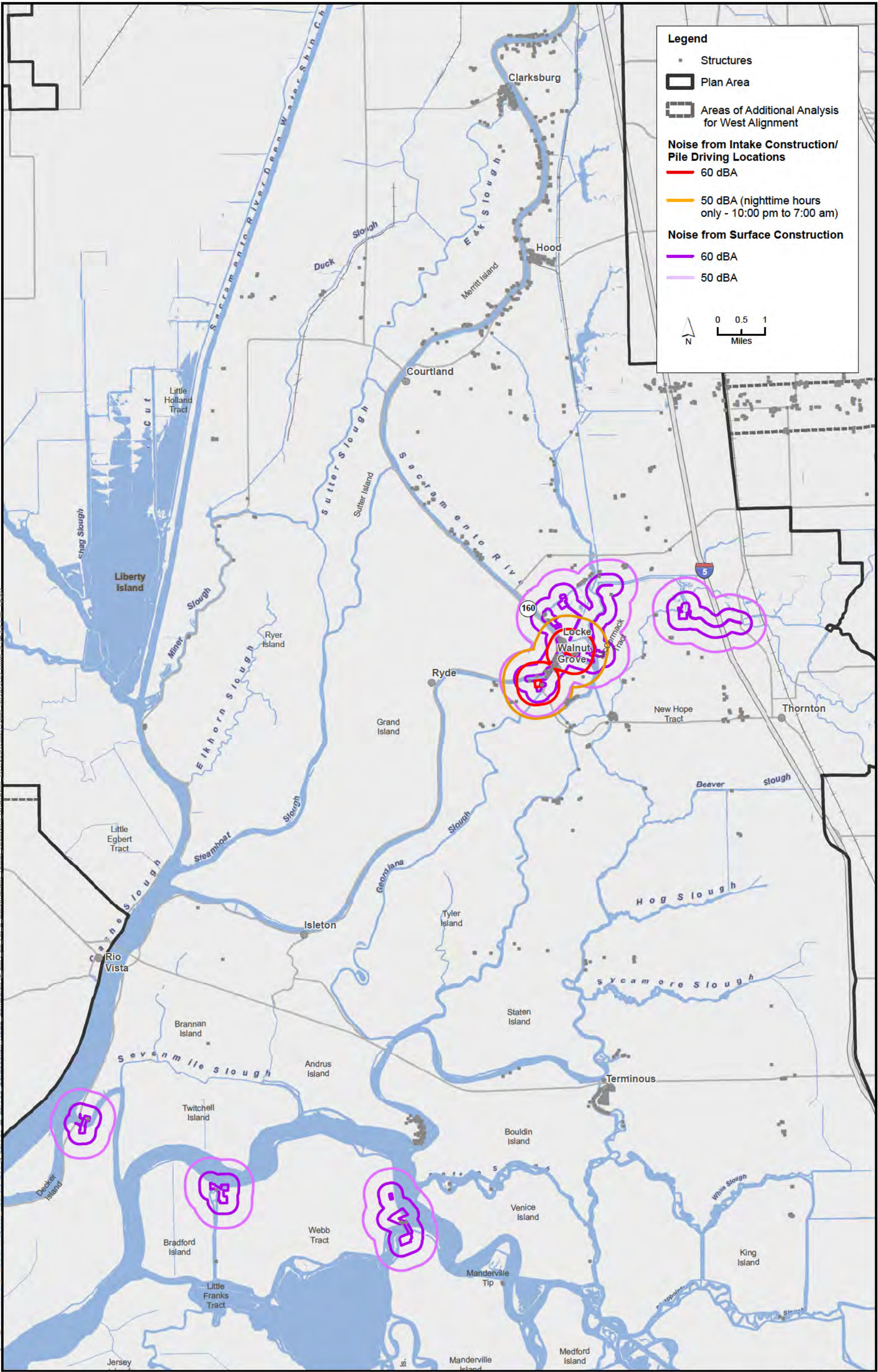
Figure 23A-04
Alternative 4 - Modified Pipeline/Tunnel Option
Construction Noise Contours (North)



K:\Projects\1\DW000726_11_BDC\PM\pmapdoc\Final\Ch23\Fig_23A_02_Alt_4_Construction_Noise_Contours_NewSouth_20151119.mxd Date: 11/30/2015 Time: 5:54:28 PM - 19393

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015

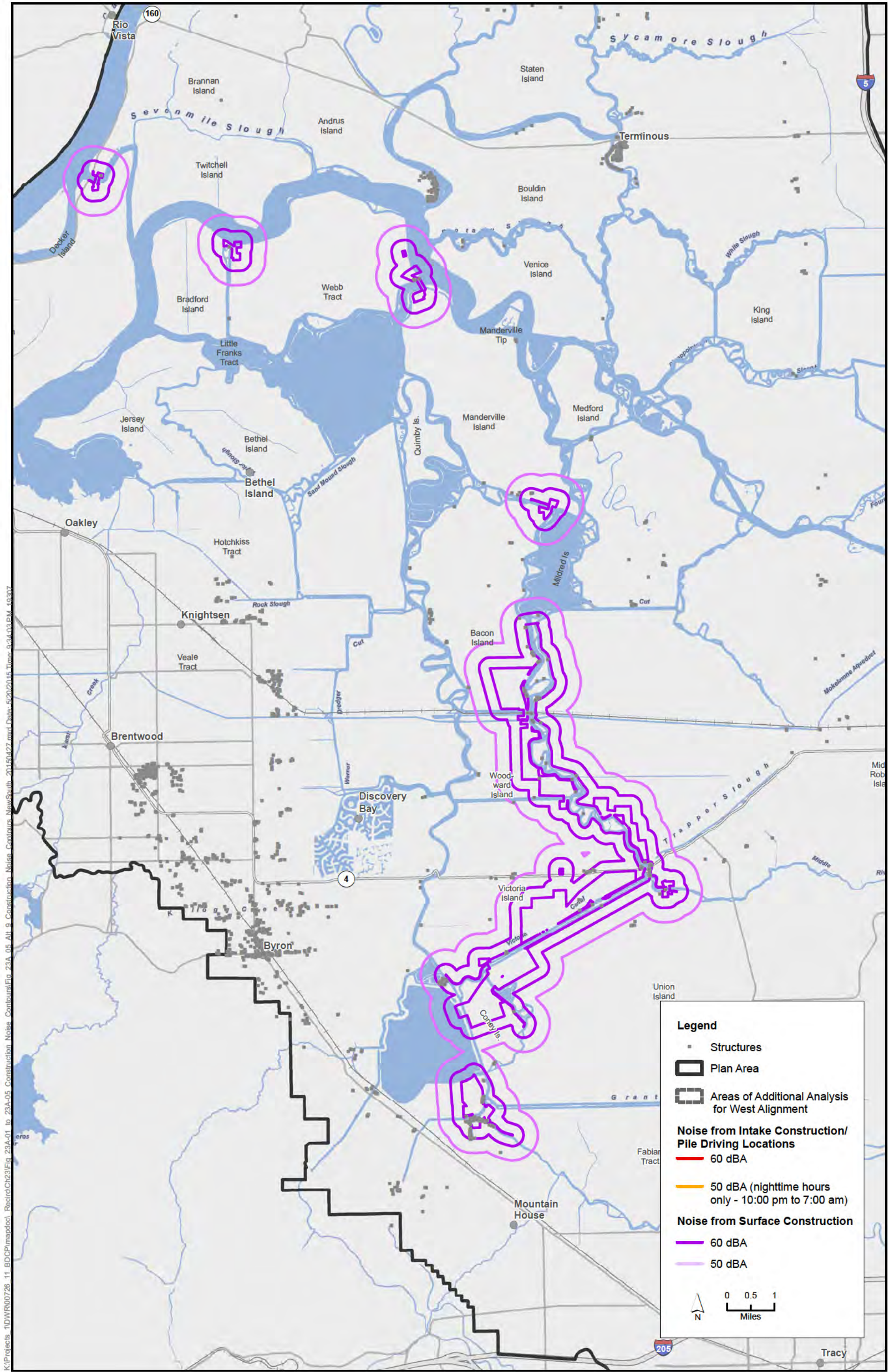
Figure 23A-04
Alternative 4 - Modified Pipeline/Tunnel Option
Construction Noise Contours (South)



K:\Projects_1\DW\00726_11_BDCP\mapdoc\Recirc\Ch23\Fig_23A-05_Alt_9_Construction_Noise_Contours\Fig_23A-05_Alt_9_Construction_Noise_Contours_North.mxd Date: 5/20/2015 Time: 9:34:29 PM 19307

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

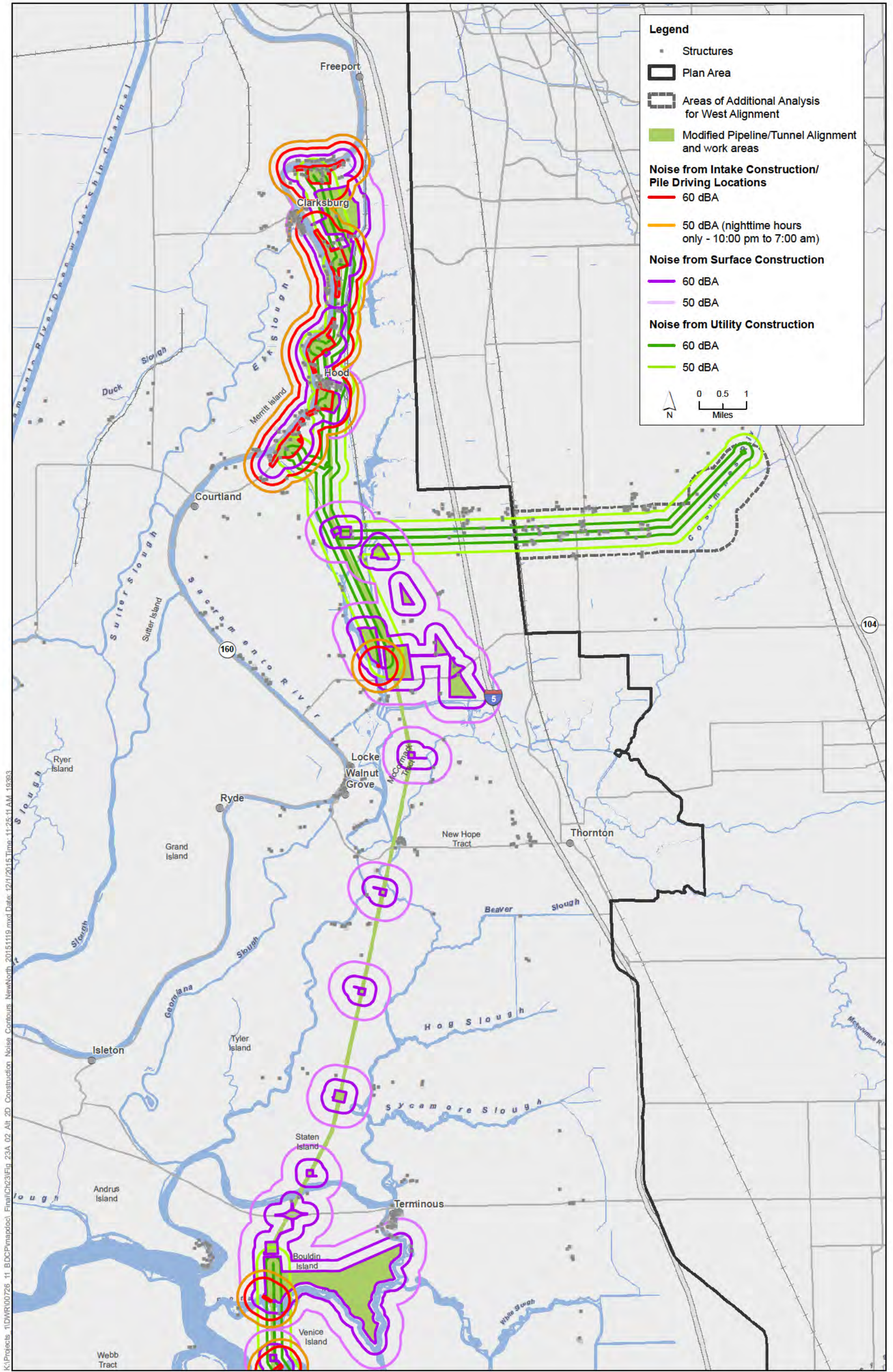
Figure 23A-05
Alternative 9 - Separate Corridors Option
Construction Noise Contours (North)



K:\Projects\1\DW\00726_11_BDCP\mapdoc\Recl\Ch23\Fig_23A-01_to_23A-05_Construction_Noise_Contours_Newsouth_20150427.mxd, Date: 5/20/2015, Time: 9:34:03 PM, 19307

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

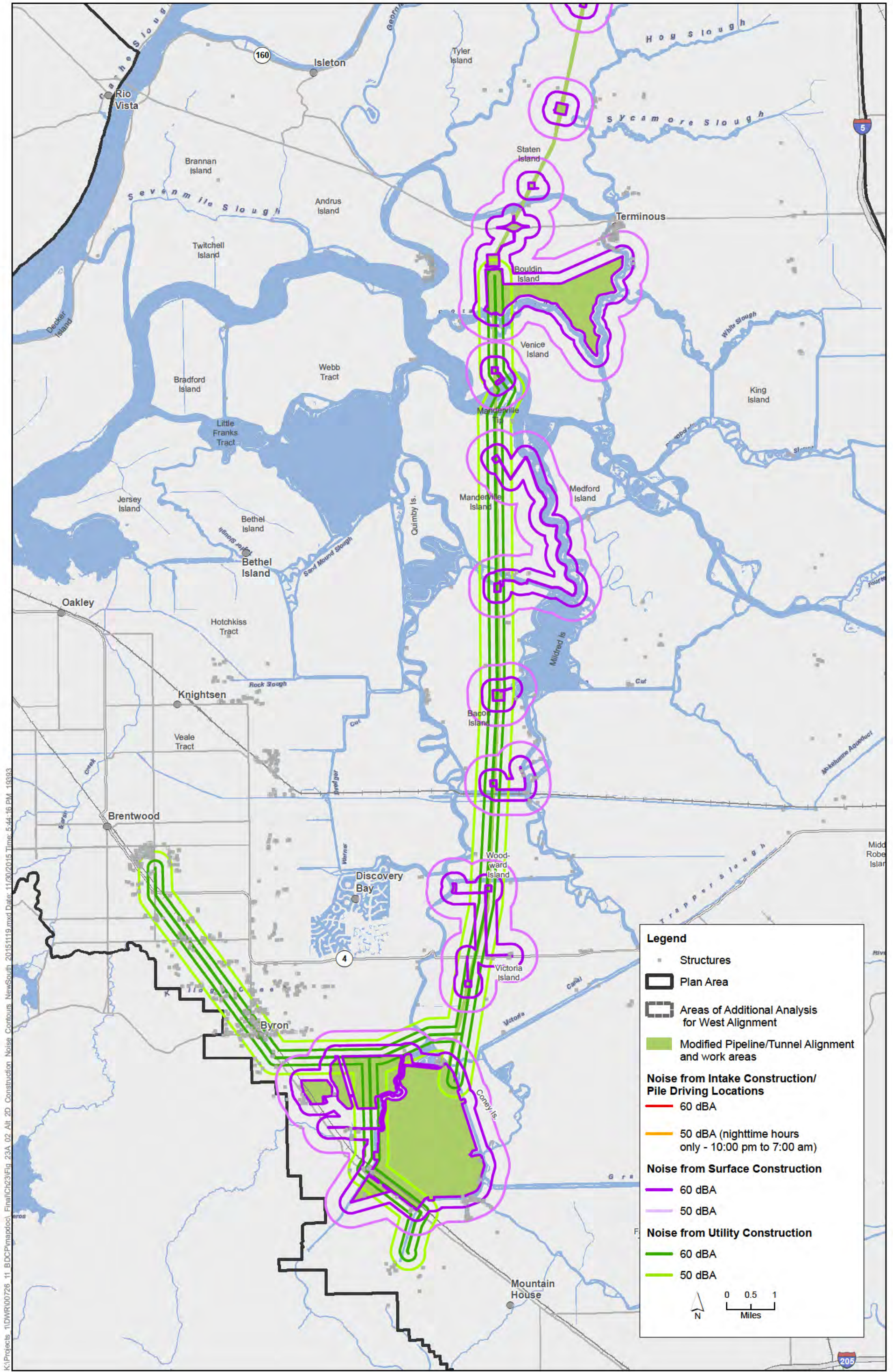
Figure 23A-05
Alternative 9 - Separate Corridors Option
Construction Noise Contours (South)



K:\Projects\1\DW00726_11_BDC\pmapdoc\Final\Ch23\Fig_23A_02_Alt_2D_Construction_Noise_Contours_NewNorth_20151119.mxd Date: 12/1/2015 Time: 11:25:11 AM 19:33

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015

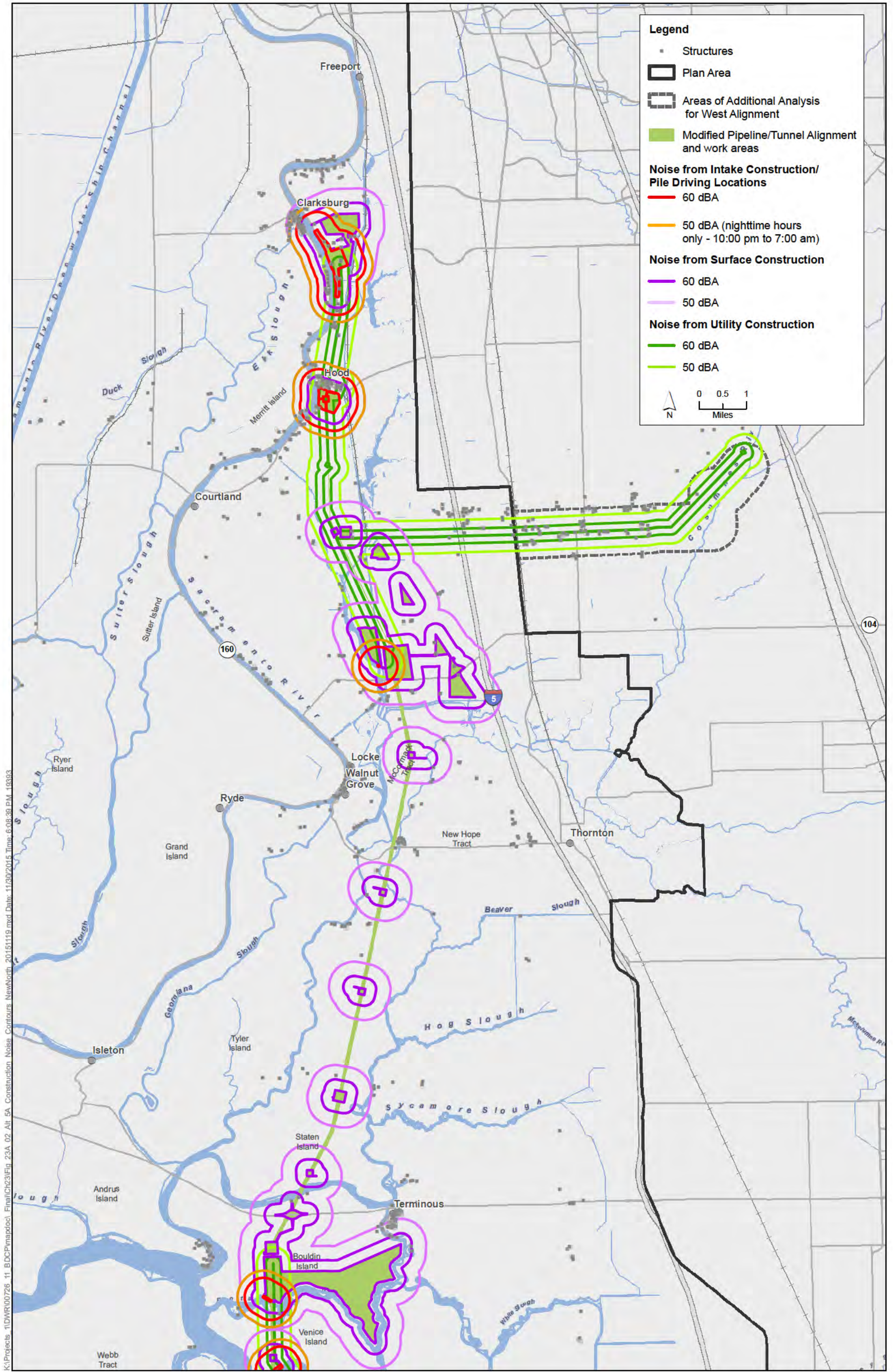
Figure 23A-06
Alternative 2D - Modified Pipeline/Tunnel Option
Construction Noise Contours (North)



K:\Projects\1\DW000726_11_BDC\PM\pdoc\Final\Ch23\Fig_23A_02_Alt_2D_Construction_Noise_Contours_NewSouth_20151119.mxd Date: 11/30/2015 Time: 5:44:16 PM -19393

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015

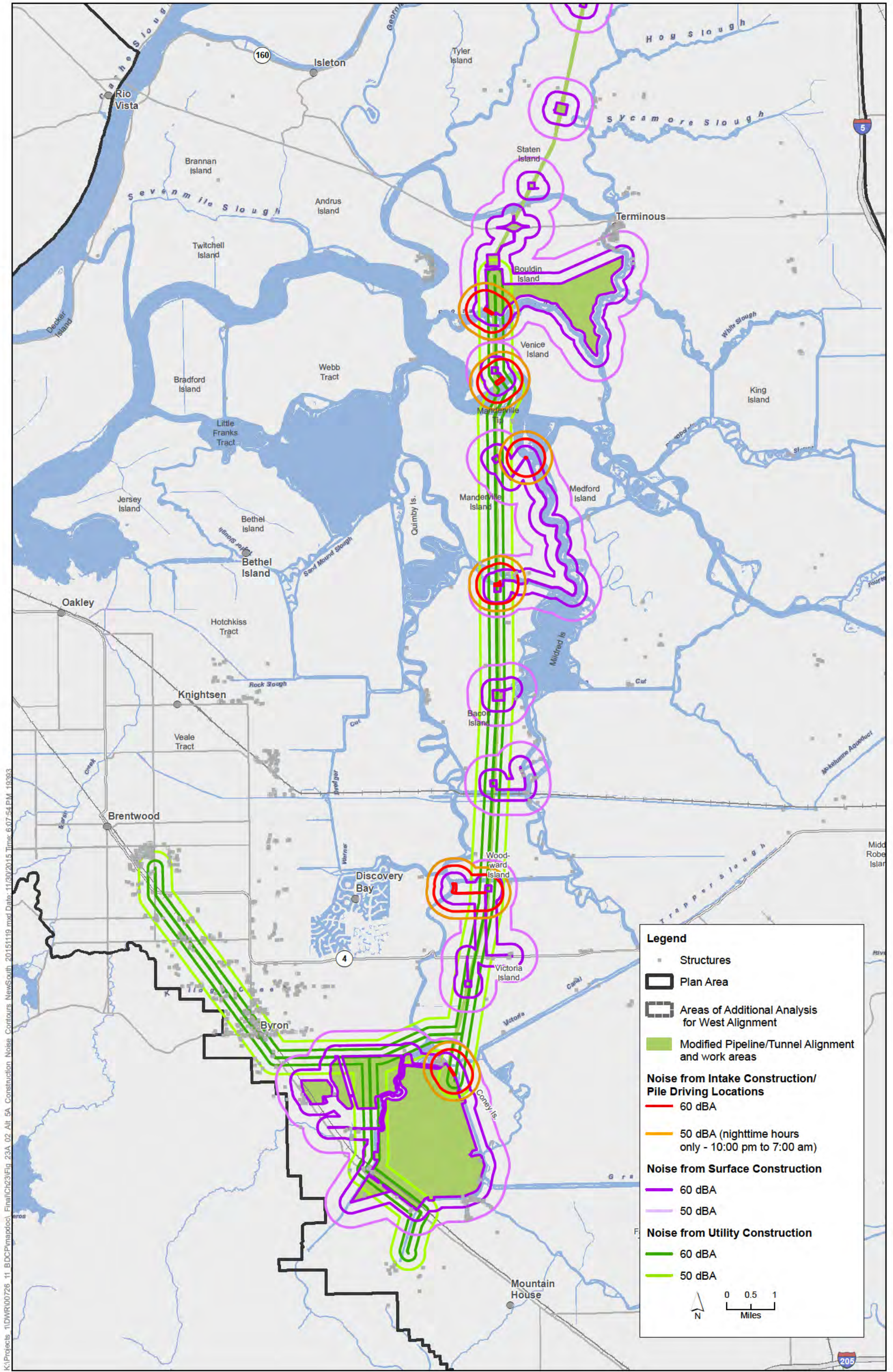
Figure 23A-06
Alternative 2D - Modified Pipeline/Tunnel Option
Construction Noise Contours (South)



K:\Projects\1\DW\00726_11_BDC\pmapdoc\Final\Ch23\Fig_23A_02_Alt_5A_Construction_Noise_Contours_NewNorth_20151119.mxd Date: 11/30/2015 Time: 6:08:38 PM 19393

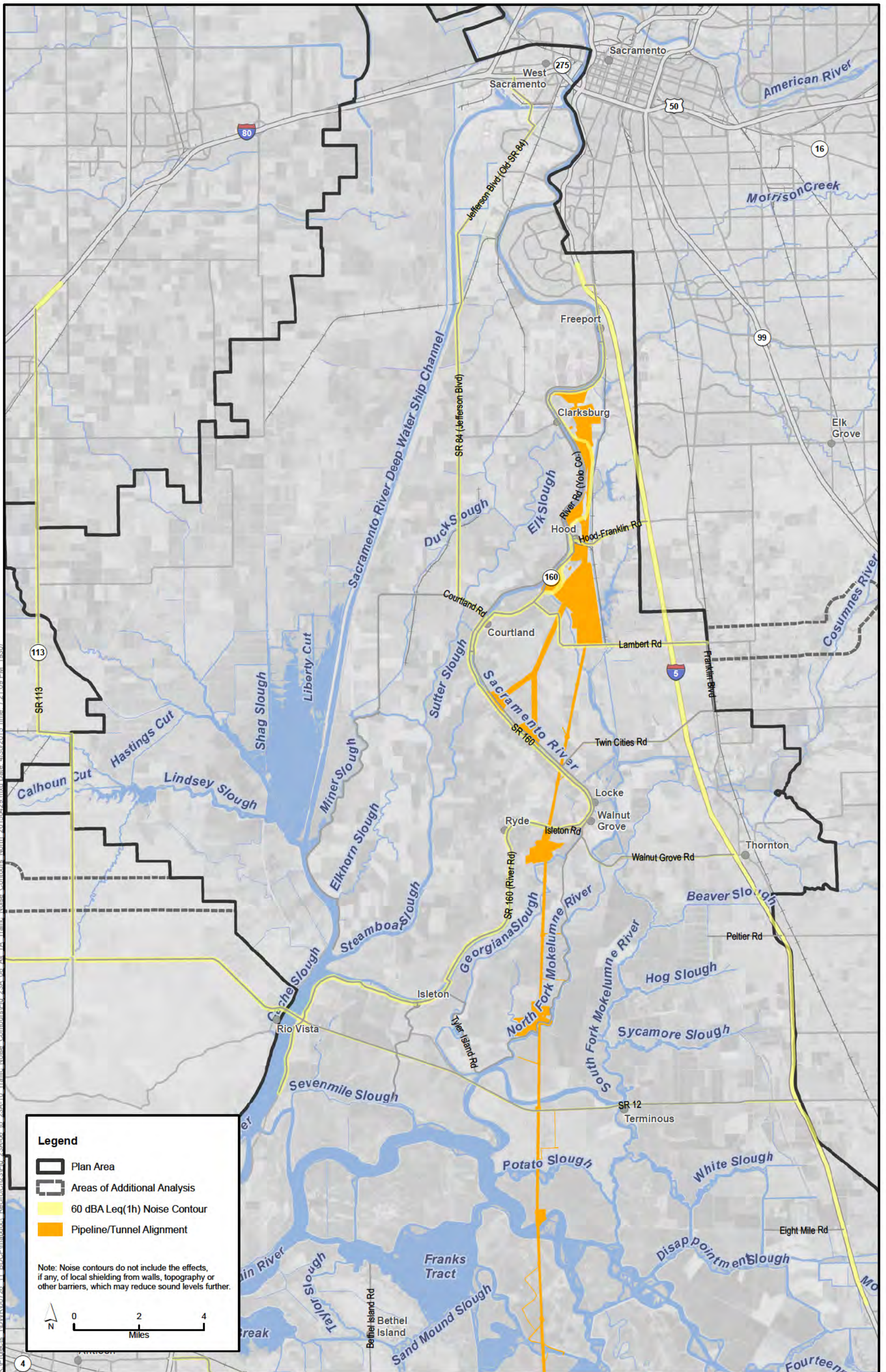
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015

Figure 23A-07
Alternative 5A - Modified Pipeline/Tunnel Option
Construction Noise Contours (North)



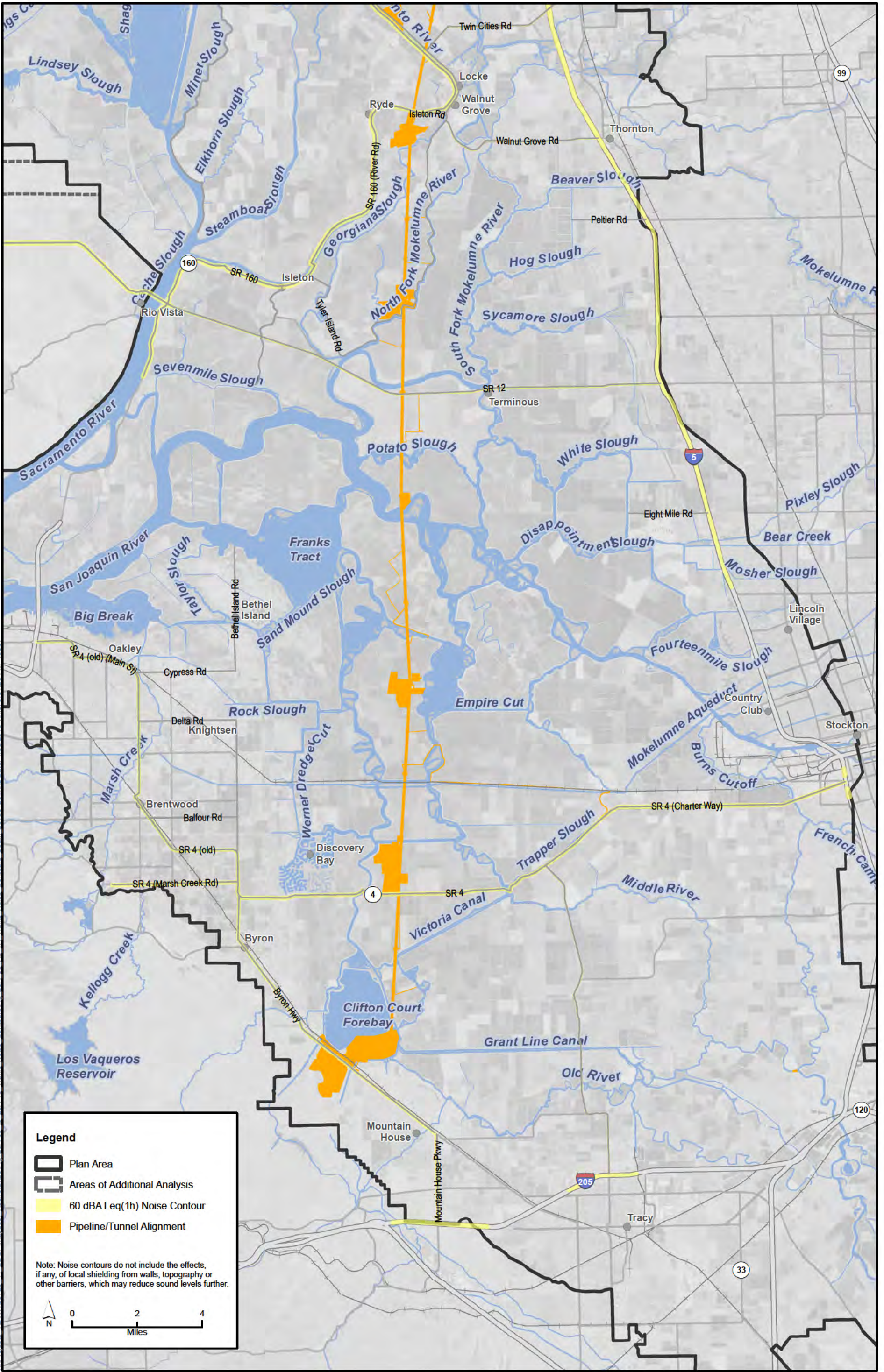
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015

Figure 23A-07
Alternative 5A - Modified Pipeline/Tunnel Option
Construction Noise Contours (South)



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

Figure 23A-08
Alternative 1A - Pipeline/Tunnel Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (North)



Legend

- Plan Area
- Areas of Additional Analysis
- 60 dBA Leq(1h) Noise Contour
- Pipeline/Tunnel Alignment

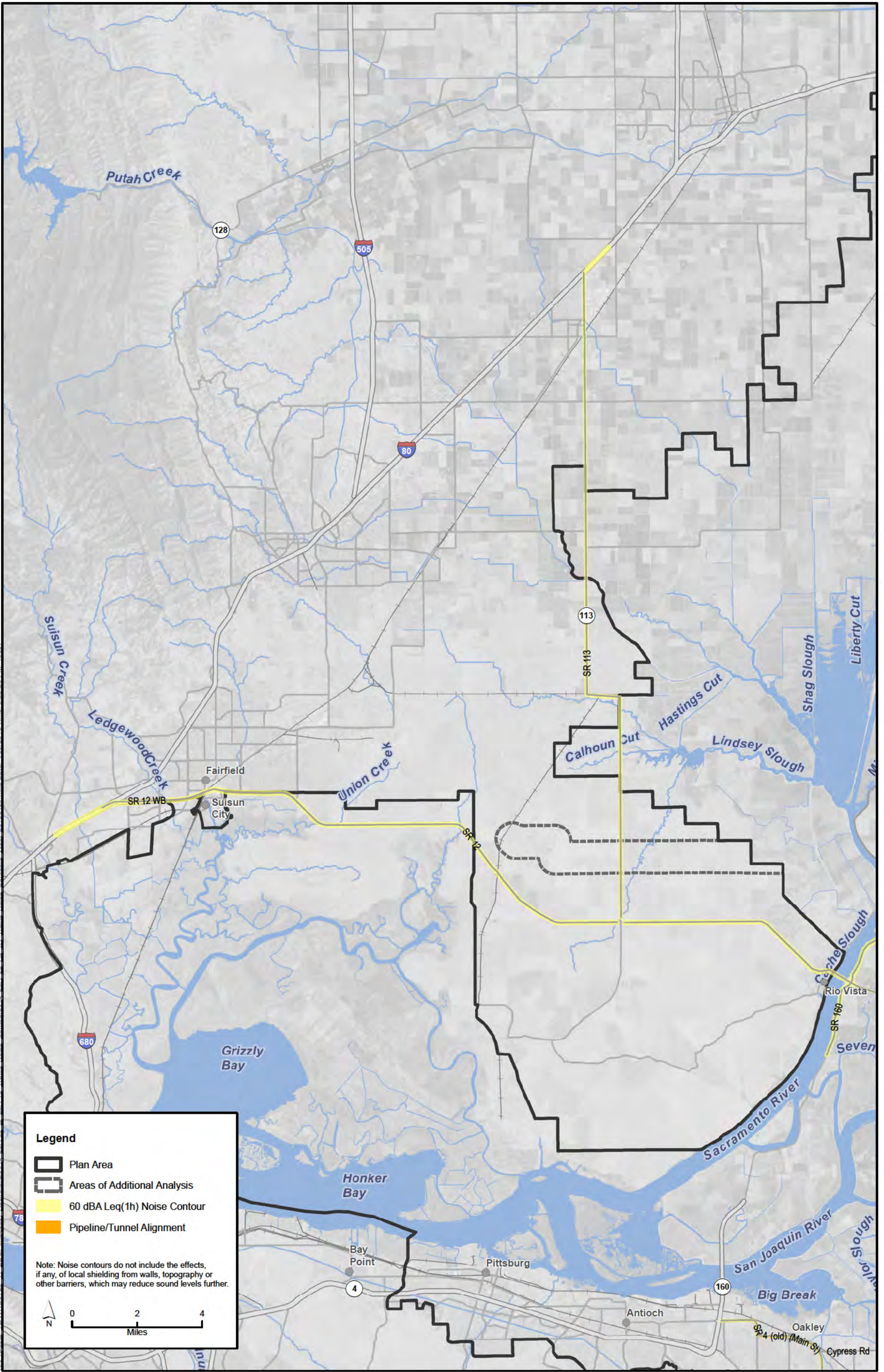
Note: Noise contours do not include the effects, if any, of local shielding from walls, topography or other barriers, which may reduce sound levels further.

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K:\P\projects\1\DW\00726_11_BDCP\mapdoc\Recirc\Ch23\Fig_23A-08_1A_Traffic_Noise_Contours_South_20150429.mxd Date: 4/30/2015 Time: 8:04:28 PM 19307

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

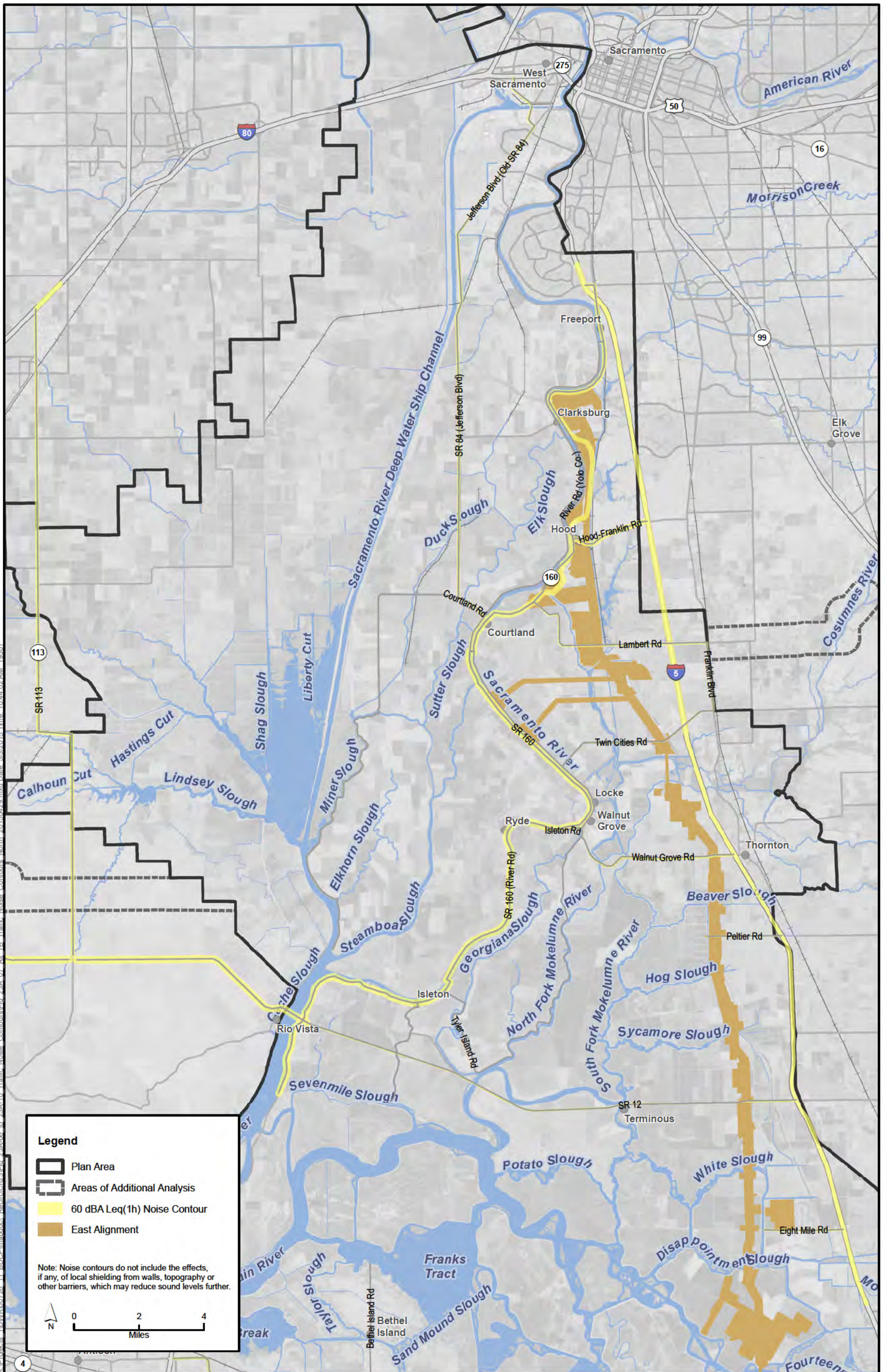
Figure 23A-08
Alternative 1A - Pipeline/Tunnel Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (South)



K:\P\projects_1\DW\00726_11_BDCC\map\fig\23A-08_10_Traffic Noise Contours\Fig_23A-08_10_Traffic Noise Contours West_20150429.mxd Date: 4/30/2015 Time: 8:22:20 PM -19307

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

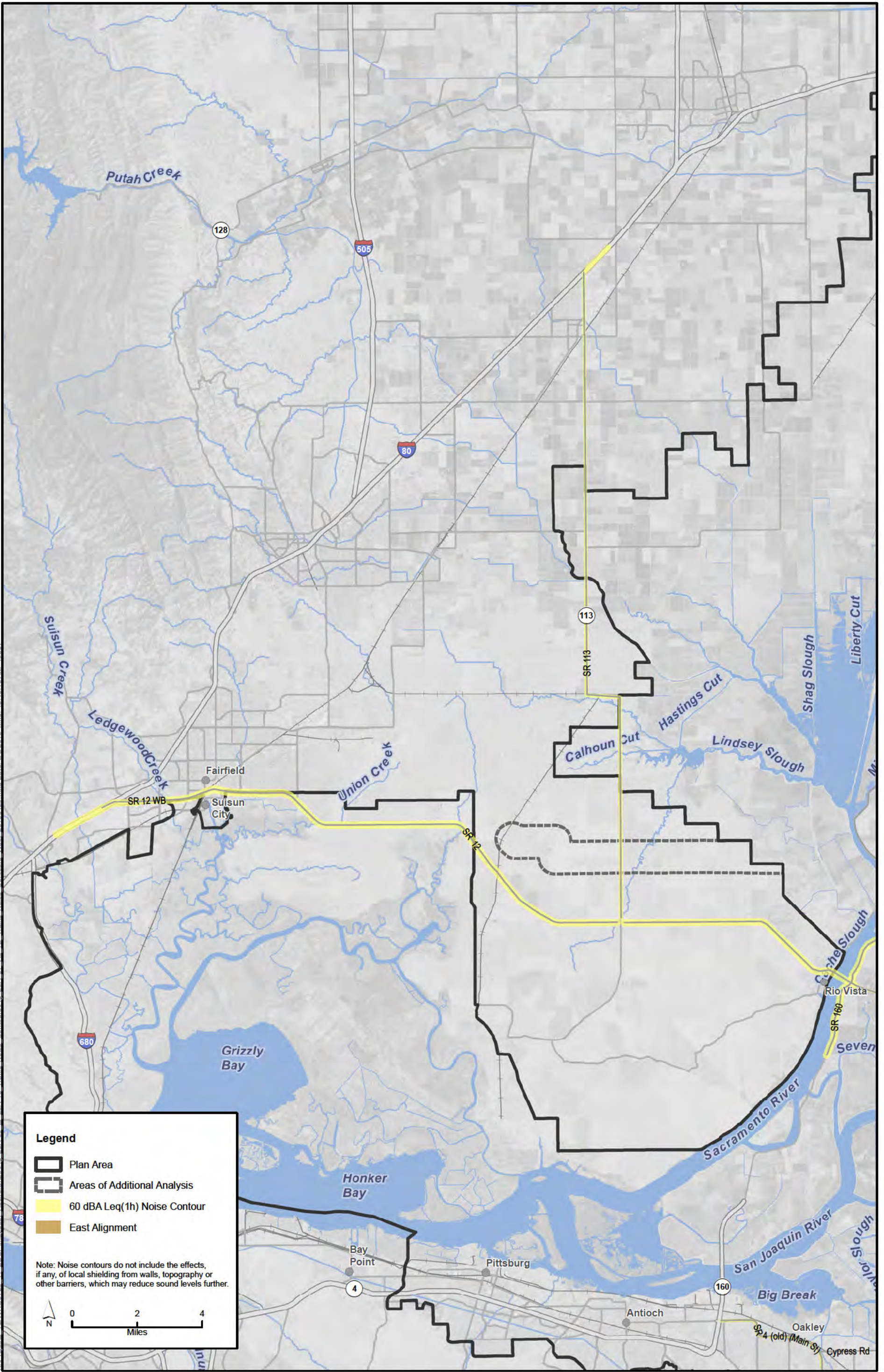
Figure 23A-08
Alternative 1A - Pipeline/Tunnel Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (West)



K:\P\projects\1\DW\000726_11_BDCC\pmap\doc\Recirc\Ch23\Fig_23A-09_10_Traffic_Noise_Contours\North_20150429.mxd Date: 5/3/2015 Time: 10:44:02 AM 19307

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

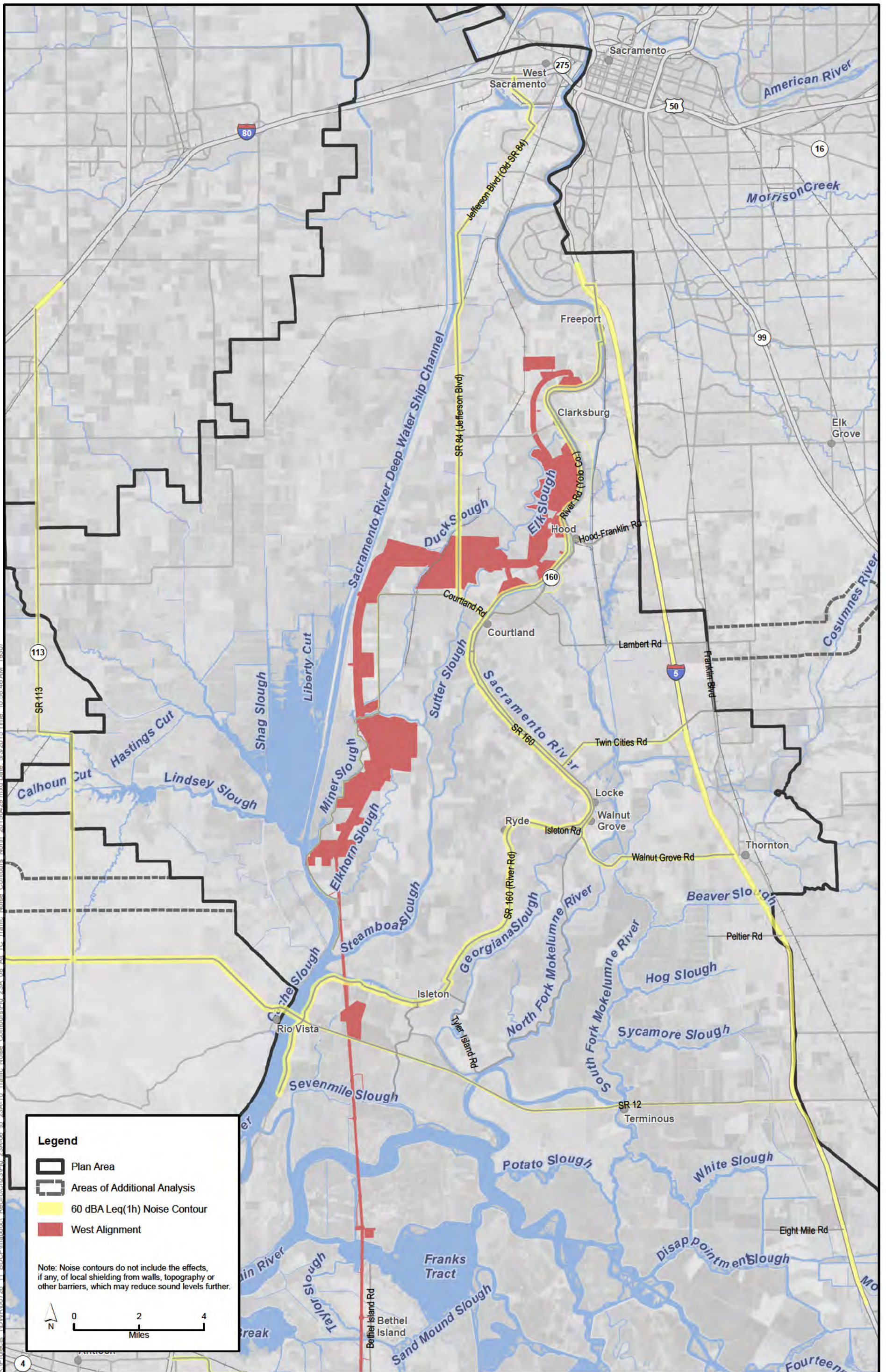
Figure 23A-09
Alternative 1B - East Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (North)



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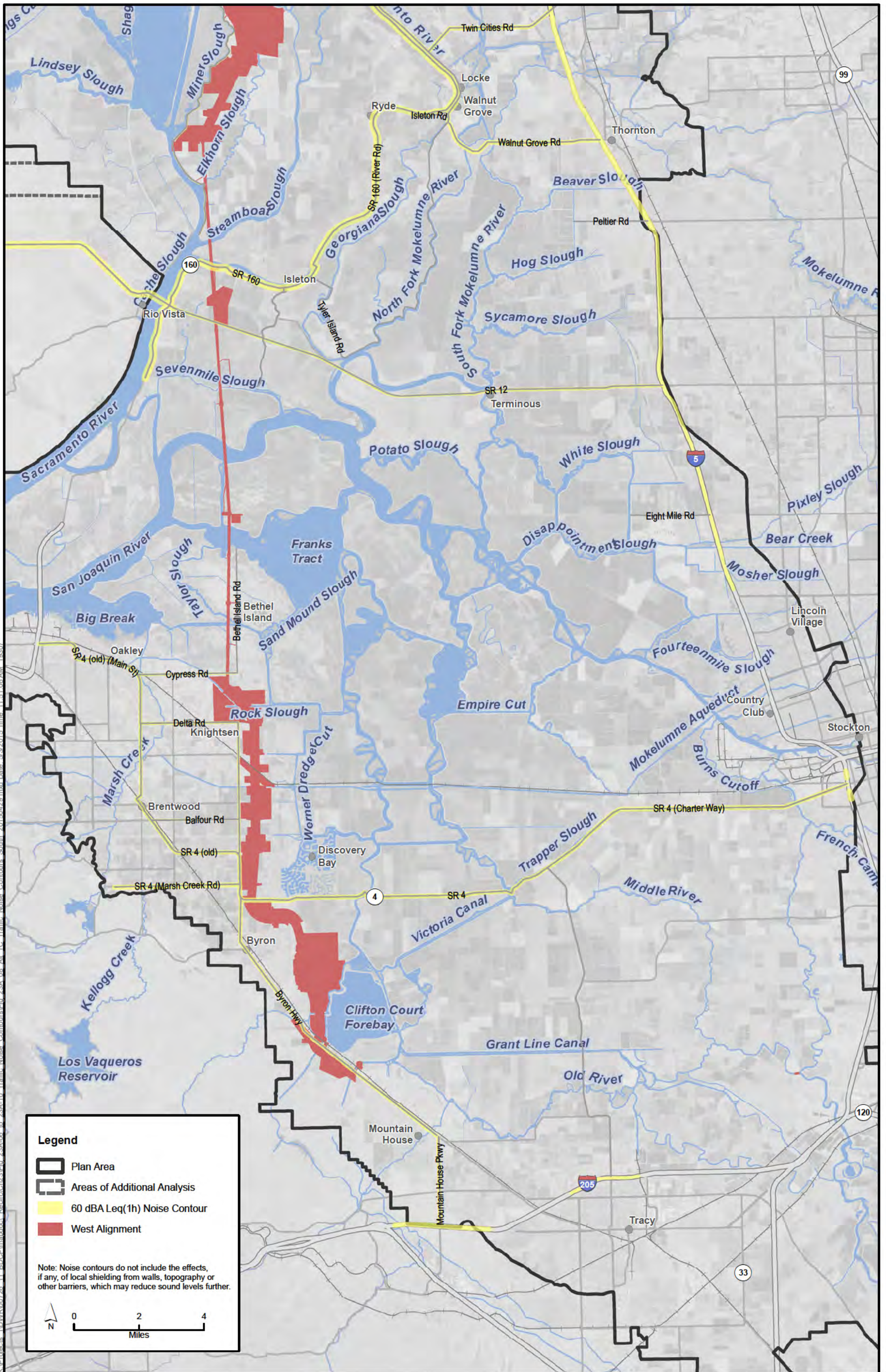
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

Figure 23A-09
Alternative 1B - East Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (West)



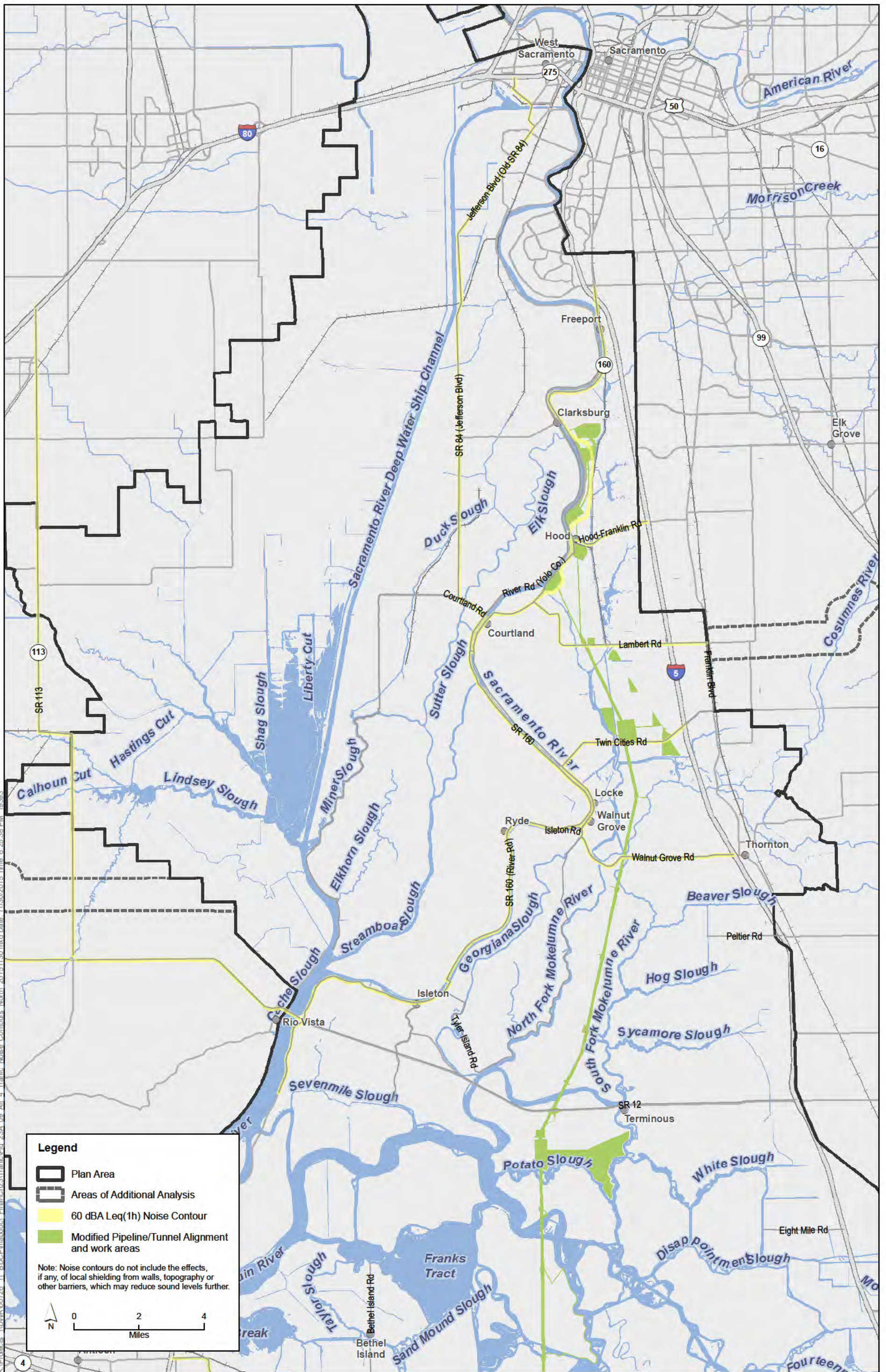
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012, Constructability (Rev 5a), DHCCP DWR 2015

Figure 23A-10
Alternative 1C - West Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (North)



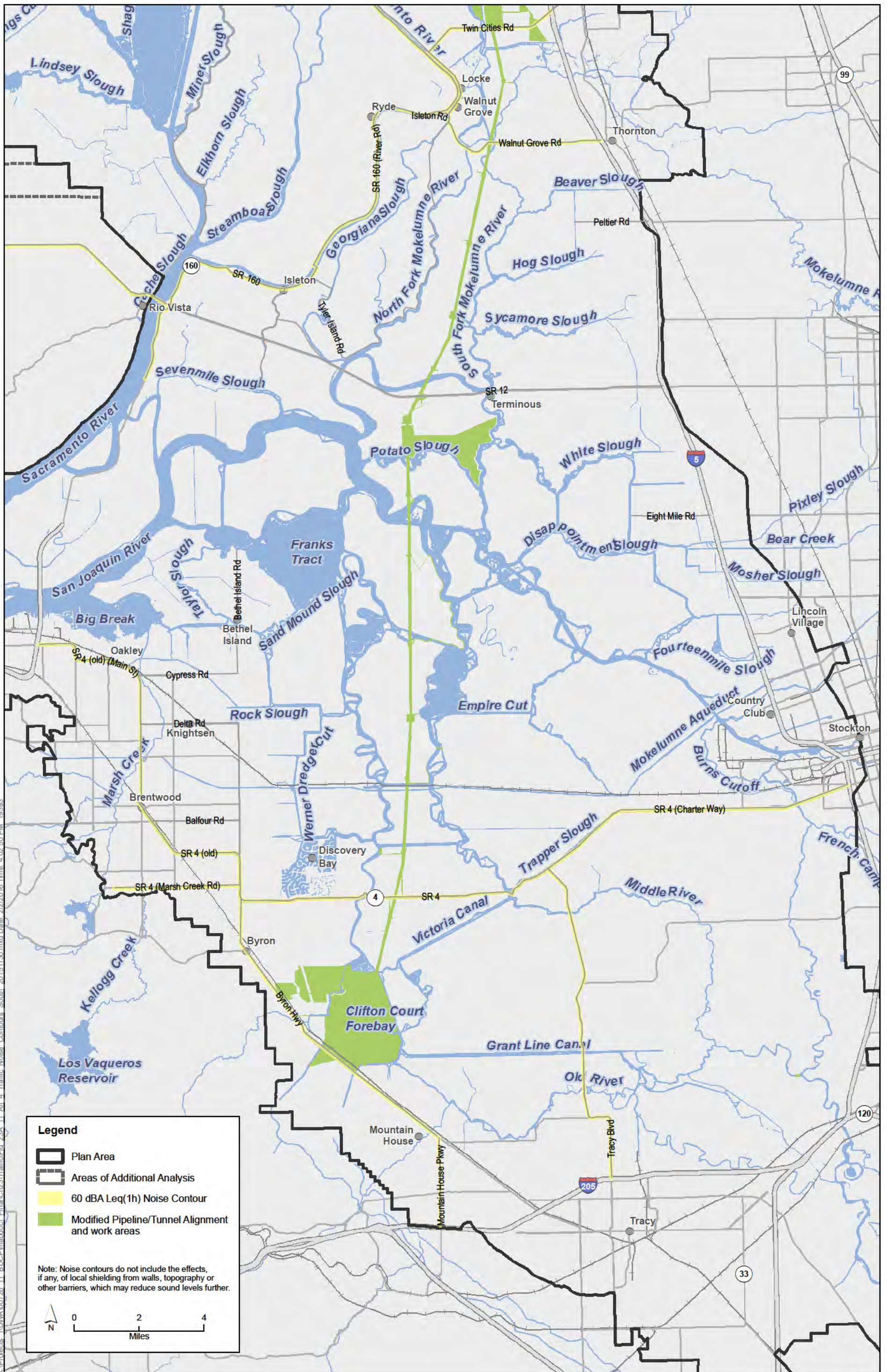
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

Figure 23A-10
Alternative 1C - West Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (South)



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

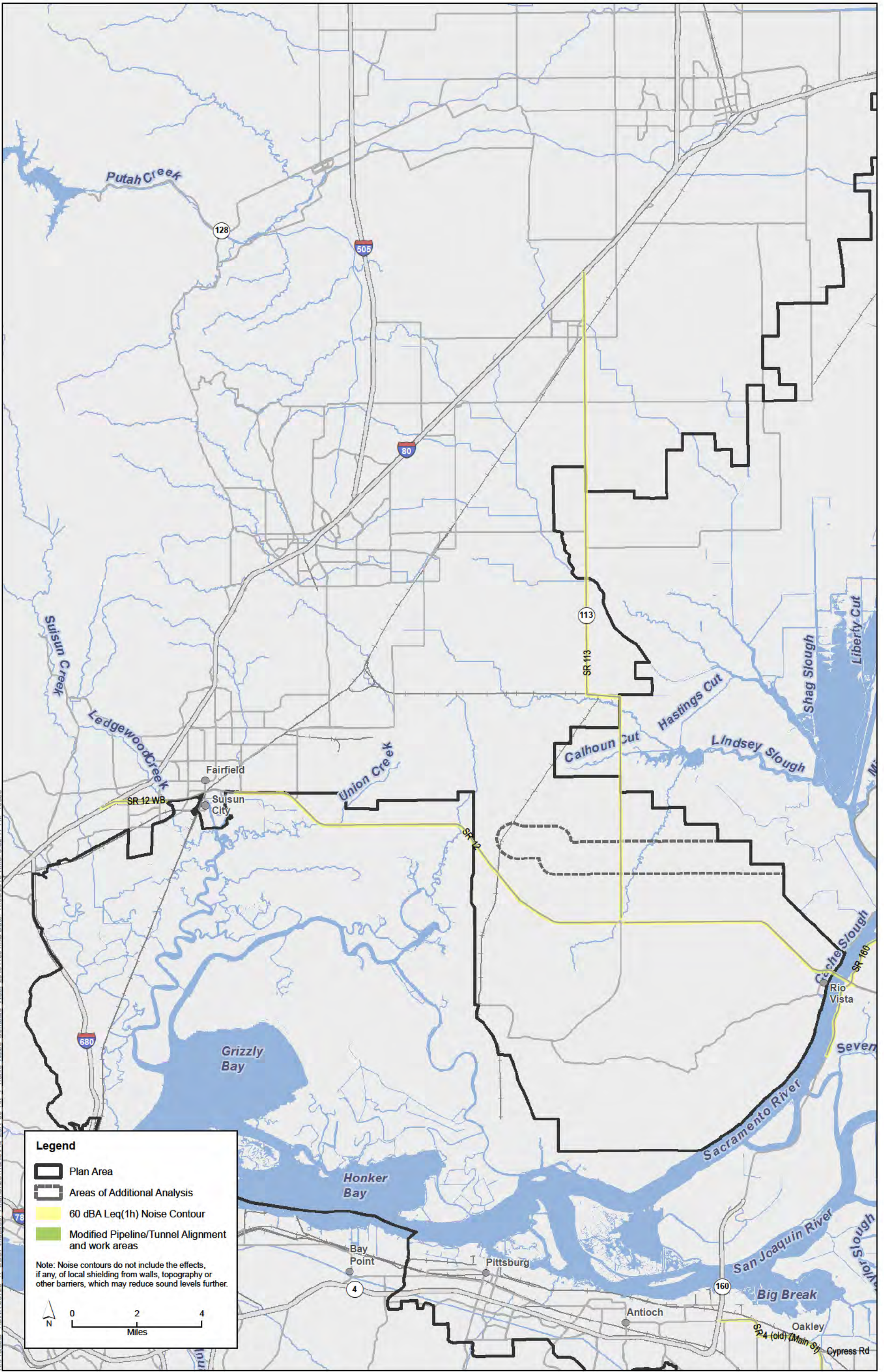
Figure 23A-11
Alternative 4 - Modified Pipeline/Tunnel Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (North)



K:\Projects\1\DW000726_11_BDCP\mmapdoc\Final\Ch23\Traffic\Fig_23A_11_Alt_4_Traffic_Noise_Contours_South_20151130.mxd Date: 2/2/2016 Time: 4:02:50 PM 19393

Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

Figure 23A-11
Alternative 4 - Modified Pipeline/Tunnel Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (South)



K:\Projects\1\DW\00726_11_BDCP\mxd\loc\Final\Ch23\Traffic\Fig. 23A_09_Alt_4_Traffic Noise Contours West_20151130.mxd Date: 11/30/2015 Time: 6:32:17 PM 19393

Legend

- Plan Area
- Areas of Additional Analysis
- 60 dBA Leq(1h) Noise Contour
- Modified Pipeline/Tunnel Alignment and work areas

Note: Noise contours do not include the effects, if any, of local shielding from walls, topography or other barriers, which may reduce sound levels further.

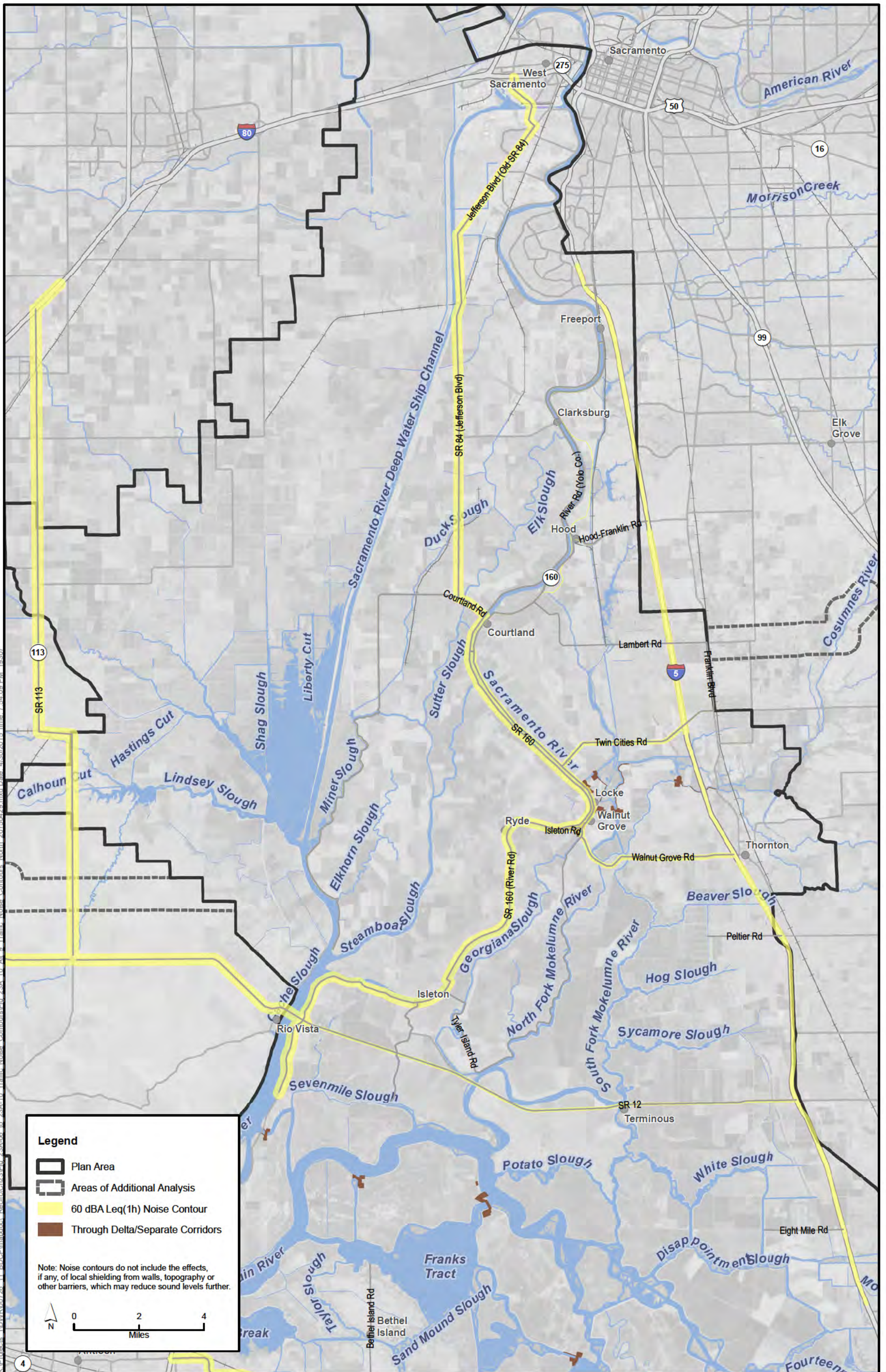
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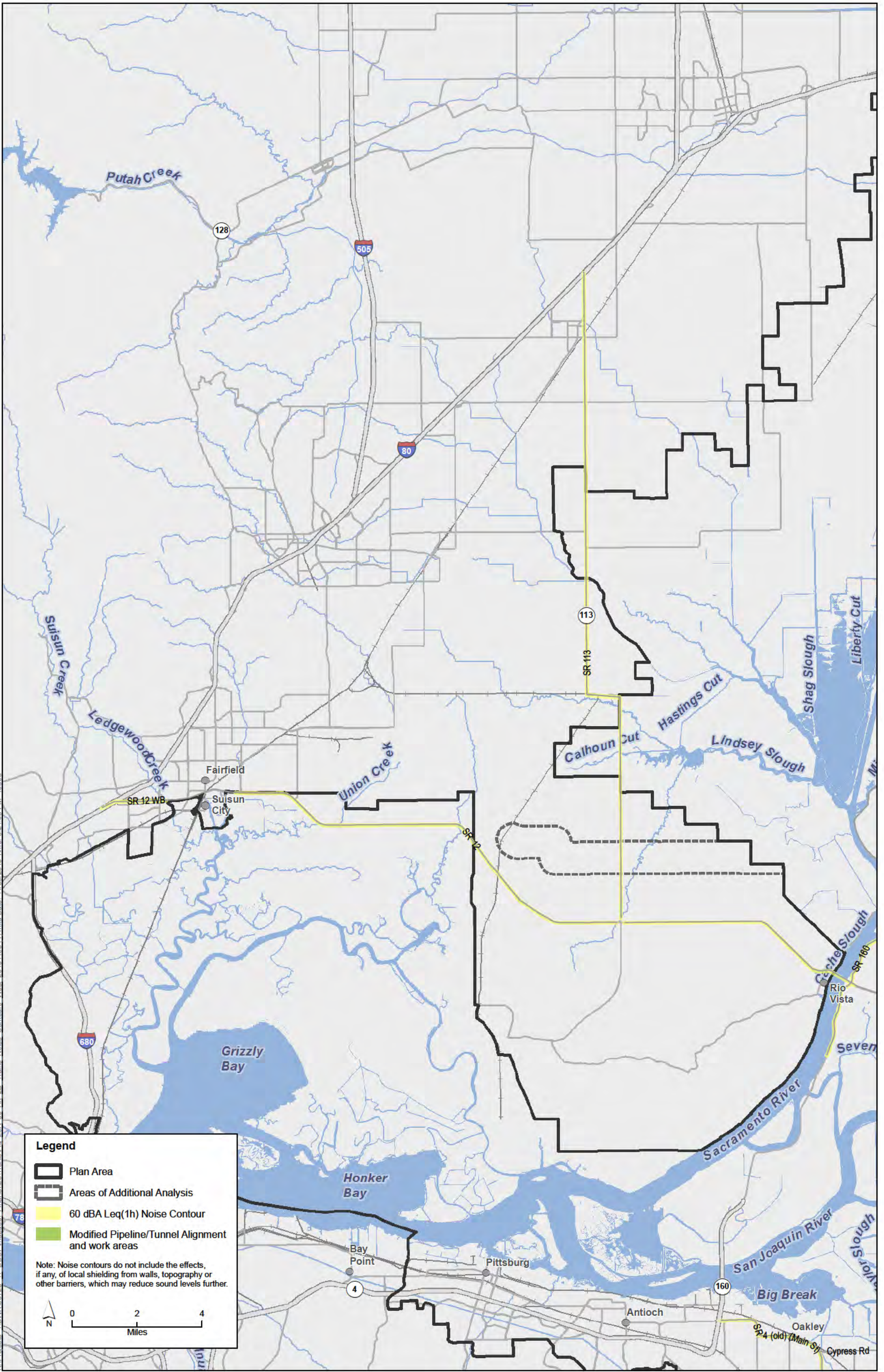
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

Figure 23A-11
Alternative 4 - Modified Pipeline/Tunnel Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (West)



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012, Constructability (Rev 5a), DHCCP DWR 2015

Figure 23A-12
Alternative 9 - Separate Corridors Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (North)



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Legend

- Plan Area
- Areas of Additional Analysis
- 60 dBA Leq(1h) Noise Contour
- Modified Pipeline/Tunnel Alignment and work areas

Note: Noise contours do not include the effects, if any, of local shielding from walls, topography or other barriers, which may reduce sound levels further.

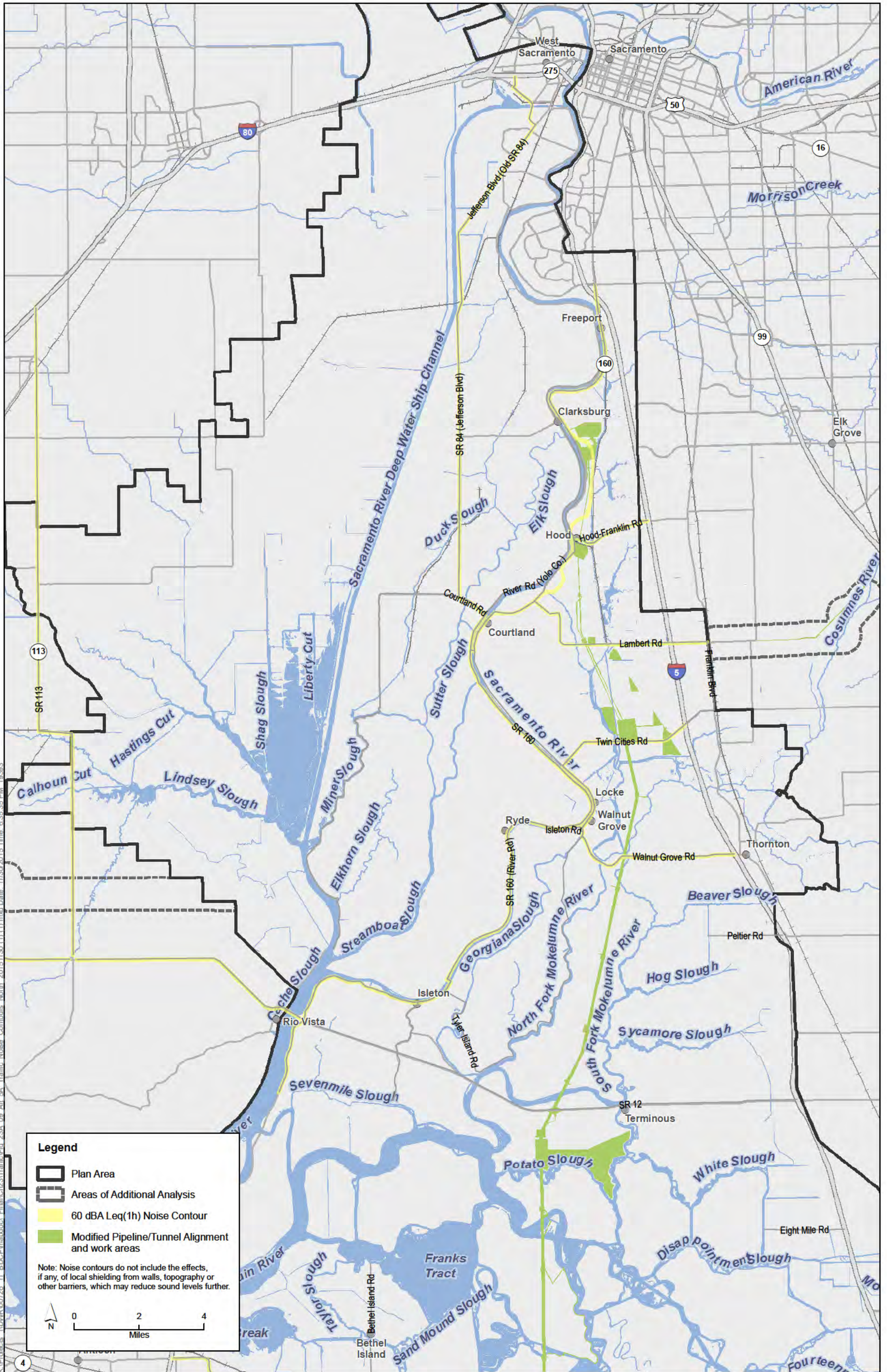
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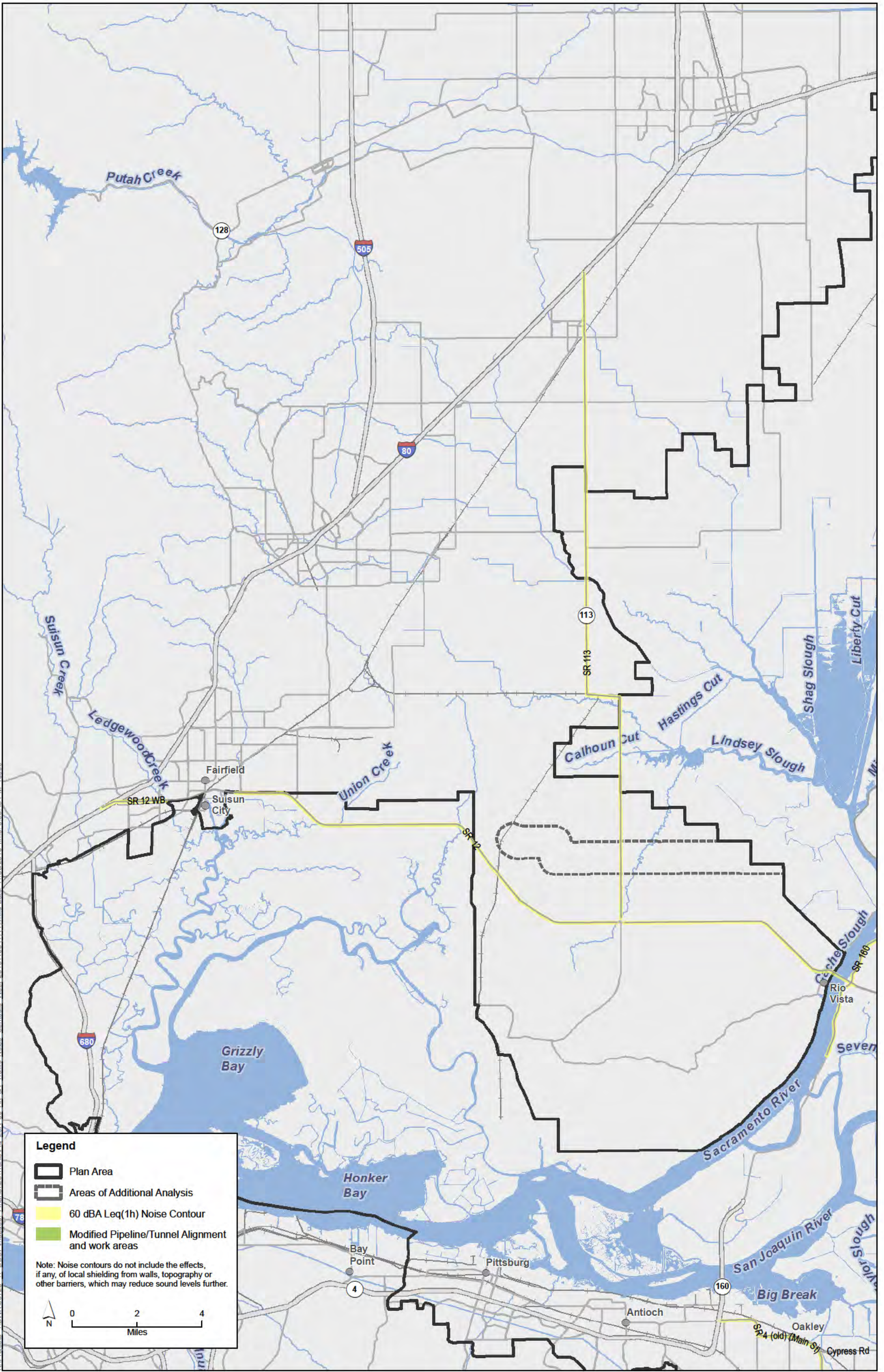
Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

Figure 23A-13
Alternative 2D - Modified Pipeline/Tunnel Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (West)



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

Figure 23A-14
Alternative 5A - Modified Pipeline/Tunnel Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (North)



Sources: Plan Area, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 3b), DHCCP DWR 2012; Constructability (Rev 5a), DHCCP DWR 2015

Figure 23A-14
Alternative 5A - Modified Pipeline/Tunnel Option
Traffic Noise Contours on
Worker Commuter Roads and Haul Routes (West)