

California High-Speed Rail Authority

Bakersfield to Palmdale Project Section

Draft
Project Environmental Impact Report/
Environmental Impact Statement

Section 3.10 Hazards and Hazardous
Wastes

Appendix 3.10-A
Sites of Potential Environmental
Concern

January 2020



The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being or have been carried out by the State of California pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated July 23, 2019, and executed by the Federal Railroad Administration and the State of California.

APPENDIX 3.10-A SITES OF POTENTIAL ENVIRONMENTAL CONCERN

Table 3.10-A-1 Potential Environmental Concern Sites in the Resource Study Area for the HSR Build Alternatives

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
High-Ranked PEC Sites						
E101	BP West Coast Products, LLC 05686/ ARCO AM PM Facility/ Prestige Stations Inc. #5345/ Dave's Investment, Inc./ ARCO Products #05686/ Circle K Stores Inc. #1355	111 West Avenue K, Lancaster, CA 92806	Gasoline; release reported September 19, 2001 and case closed November 4, 2003; Los Angeles County; release of approximately 10 gallons of gasoline to soil due to a customer driving away before removing the pump nozzle.	RGA LUST (closed); HAZNET; UST; CHMIRS; RCRA-SQG; FINDS; CA FID UST; SWEEPS UST; Los Angeles HMS; ERNS; EDR US Hist Auto Stat; HIST UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E102	Lancaster Rentals, Inc./United Rentals Inc. #561	43631 Sierra Highway, Lancaster, CA 93534	Waste oil / motor / hydraulic / lubricating; LUST case opened in 1990 and closed in 1998; Los Angeles County; unspecified media affected.	HAZNET; NPDES; HIST CORTESE; LUST (closed); CA FID UST; HIST UST; SWEEPS UST; LOS ANGELES COUNTY HMS	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E113	AV Ready Mix/Royal Luu & Thuy Nguyen/Chotto Kaur et al.	42201 Division Street, Lancaster, CA 93534	Waste/motor/hydraulic/lubricating oil; LUST case opened in 1990 and closed in 1994; Los Angeles County; oil contamination to site soil.	HIST CORTESE; LUST (closed); LOS ANGELES COUNTY HMS; SWEEPS UST; EMI; HIST UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E114	Gary Inglett/ Unknown	42142 Valley Line Road, Lancaster, CA 93535	Unknown contaminants; LUST case, opened and closed in March 1990; Los Angeles County; unknown contamination to soil.	LOS ANGELES COUNTY HMS; HIST CORTESE; LUST (closed); SWEEPS UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E116	ARCO Products/Gaur Enterprise, Inc./BP West Coast Products, LLC /ARCO #05579	41923 Sierra Hwy, Palmdale, CA 93550	Gasoline; LUST case opened in January 2003 and closed in January 2007; Los Angeles County; gasoline contamination to site soil, contaminated soil reported to have been excavated.	UST; HAZNET; LUST (closed); LOS ANGELES COUNTY HMS; RCRA-SQG; FINDS; SWEEPS UST; HAZNET	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.

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E12	Fleet Card Exxon//Chevron USA Inc/Weedpatch Chevron Station #201238/Bob Goodwin's Exxon	8100 Brundage Lane, Bakersfield, CA 93307	Diesel LUST case opened on June 14, 1990 and closed on August 8, 1990; Kern County Environmental Health; diesel-contaminated soil.	LUST (closed); HIST CORTESE; CA FID UST; SWEEPS UST; EMI; EDR US Historical Auto Station; UST; FINDS; Hist UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E121	Cal-Portland Cement-Sun/Mojave CA/Praxair Inc./Mojave Ready Mix Plant/ Southern California Edison-Cal Cement Substation/ Mojave Quarry	9350 Oak Creek Road, Mojave, CA 93501	Three reported release incidents: 1) petroleum; employee reported oil on surface of ground in 1995, unknown cause; suspect underground oil line; 2) 200 gallons of diesel released to concrete and soil during re-fueling reported in 2001; release was reportedly contained and no waterways were impacted; 3) 100 gallons of fuel oil from leak in pipeline in 2003; the area was bermed; one 58,325-gallon AST; listed as a historical waste transfer facility and case open as of 1965.	WMUDS/SWAT; HAZNET; RGA LF; UST; NPDES; UST; CHMIRS; TSCA; ICIS; AST; TRIS; FINDS; ECHO; WDS; LDS; ENF; EMI; WMUDS/SWAT; US MINES; CA FID UST; SWEEPS UST	1, 2, 3, 5	High: this is an open release case site with contamination which will be encountered in the project footprint. It should be noted that this site is located in the project footprint where tunneling is proposed. This is also a small quantity hazardous material release site that was immediately cleaned up, an AST/UST site, a MINES facility, and a large industrial operation including a quarry, cement manufacturing, and a historical waste transfer facility.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E129	Johnson Farms	Off Edison Road and SR 58, Edison, CA	25 barrels (bbl) of crude oil released to land when a valve was opened on February 19, 1990 in T30 R29E S3.	ERNS	1, 2, 3, 5	High: this is a release site that will be encountered in the project footprint. It should be noted that this is a relatively small quantity of hazardous materials that was immediately cleaned up, but the specific location is unknown.
E132	Loop Ranch LLC, Loop Ranch Limestone Quarry	21812 and 22450 Broome Road, Keene, CA	This site is a former mercury mine. According to EnviroStor, the potential contaminant of concern was mercury in soil. Based on review of the Addendum to the Preliminary Site Assessment Report for the Loop Ranch Cinnabar Mine Tailings, prepared by Central Sierra Environmental and dated January 18, 2008, mercury was detected in soils less than 30 feet below grade. None of the mercury detected exceeded the USEPA total or leachable mercury limits, the California soluble mercury limit, or the mercury preliminary remediation goals for an industrial site. Excavation was recommended, but was not reported as having occurred. As of November of 2010, no further action was required by DTSC.	NPDES, HAZNET	Refined CCNM Design Option	High: this is a known release site with residual mercury contamination/tailings that may be encountered in the project footprint.
E140	Cactus Queen/Cactus Gold Mines/Middle Buttes Project	2025 E Financial Way and 8941 W Backus Road, Mojave, CA	Waste transfer with State oversight.	MINES, HAZNET, WMUDS/SWAT, LDS, ENF, WMUDS/SWAT, CERC-NFRAP, HAZNET	1, 2, 3, 5	High: this is a known release site, waste transfer facility, land disposal site, and a MINES facility which will be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E15	WM Bolthouse Farms	7200 Brundage Lane, Bakersfield, CA 93307	Diesel; diesel LUST case opened in September 1992 and case closed/No Further Action letter dated May 1993; Kern County; soil affected; unspecified organic liquid mixture, unspecified solvent mixture, waste oil and mixed oil; diesel, gasoline; tank bottom waste.	HAZNET; UST; HIST UST; RMP; TRIS; AST; WDS; HAULERS; EMI; NPDES; CA FID UST; SWEEPS UST; HIST CORTESE; LUST (closed); CHMIRS; ENF	1, 2, 3, 5	High: this is a closed LUST site and an RMP (extremely hazardous material storage) site with residual contamination which will be encountered in the project footprint.
E179	Antelope Valley F.D. Dispatch/Fire Station #129	421 E Avenue M, Lancaster, CA	Two diesel USTs; no reported releases; 1,000-gallon and 1,500-gallon USTs; solvent or non-petroleum hydrocarbon release to soil occurred on May 7, 1996; case was closed by the Lahontan RWQCB (Region 6V) on March 21, 2000.	HIST UST/HIST CORTESE, LUST/SWEEPS UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E2	Shoemaker Property Serve Station/ Shoemaker Hubert/ Shoemaker Property/ Shoemaker Harold	3629 Edison Hwy, Bakersfield, CA 93307	Gasoline; LUST case opened on October 12, 1992 and closed in April 13, 1993; Kern County Environmental Health; potential aquifer contamination.	SWEEPS UST; RGA LUST; HIST UST; EDR Historical Auto Station; CA FID UST; UST; HIST CORTESE; LUST (closed); FINDS	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E26	Pacific Irrigation, Inc.	11845 School Street, Edison, CA 93220	Gasoline; gasoline LUST case opened on January 4, 1990 and closed on August 17, 1990; Kern County Environmental Health; gasoline impact to site soil.	HIST CORTESE; LUST (closed); HIST UST; UST; FINDS: EMI	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E29	Giumarra Farms, Inc./ Giumarra Vineyards Corp./ FMC Corp.	12481 Edison Hwy, Bakersfield, CA 93307	Off-specification, aged or surplus organics; gasoline; LUST case opened in September 1988 and closed in February 1998; Kern County Environmental Health; gasoline contamination to site soil.	HIST CORTESE, LUST (closed); HAZNET; FINDS; EMI	1, 2, 3, 5	High: this is a large agricultural facility and a closed LUST site with residual contamination which will be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E31	Edison Jr. High School	721 South Edison Road, Bakersfield, CA 93307	Gasoline; LUST case opened in December 1987 and closed in December 1988; Kern County Environmental Health; gasoline contamination to site soil.	LUST (closed)	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E4	The Train Stop (Edison Construction Co)	3931 Edison Hwy, Bakersfield, CA 93301	Gasoline, diesel, unspecified oil-containing waste; LUST case opened on January 4, 1995 and closed on June 6, 1995; Kern County Environmental Health; diesel contamination to site soil.	SWEEPS UST; UST; CA FID UST; HIST CORTESE; LUST (closed); HAZNET	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E46	City of Lancaster Maintenance Center	46008 7th Street West/615 W Avenue H, Lancaster, CA 93534	Aged or surplus organics, organic solids, pesticides, inorganic solid waste, aqueous solution, organic liquid mixture, solvent mixture, liquids with pH <=2, inorganic solids, latex waste, waste oil and mixed oil, oxygenated solvents, oil-containing waste, tank bottom waste, sludge waste, aged or surplus inorganics, liquids with halogenated organic compounds, oil/water separation sludge, petroleum hydrocarbons from fuel; LUST case opened in 2003 and eligible for closure as of 2014; SWRCB, Lahontan RWQCB, Los Angeles County; petroleum hydrocarbon-impacted soil at 3 feet bgs.	LUST (open); LOS ANGELES COUNTY HMS; HAZNET; FINDS; UST; EMI; SWF/LF, CRA-SQG; SWEEPS UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E51	City of Lancaster	45417 Sierra Hwy, Lancaster, CA 93534	Ethylbenzene, toluene, total petroleum hydrocarbons, xylene, tank bottom waste; LUST case opened in November 2009 and eligible for closure as of August 2014; SWRCB, Lahontan RWQCB, Los Angeles County; residual total petroleum hydrocarbon contamination to site soil.	LOS ANGELES COUNTY HMS; LUST (open); HAZNET	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.

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E52	Bills Antelope Automotive & Smog Check/ Lancaster Ford Co./ Clymore Investments Co./ Lancaster Jeep Renault/ A.P.A Auto Pros Inc./ Lancaster Ford Lincoln-Mercury/ Clymore Investments Co.	44606 & 44614 Sierra Hwy, Lancaster, CA 93534	Two LUST cases; 1) Waste/motor/ hydraulic/lubricating oil; LUST case opened in 1991 and closed in 1994; Los Angeles County, Lahontan RWQCB; oil contamination to unspecified media; 2. Waste/motor/ hydraulic/lubricating oil; LUST case opened in 1991 and closed in 1992; Los Angeles County, Lahontan RWQCB; oil contamination to soil.	EDR Historical Auto Station; HIST CORTESE; LUST (closed); LOS ANGELES COUNTY HMS; RCRA-SQG; FINDS; HAZNET; HIST UST; CA FID UST; SWEEPS UST; EMI; LUST, EDR US Hist Auto Stat	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E53	The Dairy	44419 N Division Street, Lancaster, CA 93534	Unspecified contaminant; leak reported on December 22, 1993 and case closed on March 25, 1996; Lahontan RWQCB; release of unspecified contaminant to soil.	HIST CORTESE; LUST (closed); UST; HIST UST; LOS ANGELES COUNTY HMS; CA FID UST; SWEEPS UST; HAZNET	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E57/ S57	Lancaster 76/ Antico, Peter/ Haddad Mobil/ H-Petro/ Haddad Shell Smog & Auto Repair/ Haddad Mobil Service Station/ Mini Mart/ Lancaster Former Mobil/ City of Lancaster/ J Petro	505 W Avenue J, Lancaster, CA 93534	Waste oil and mixed oil, aqueous solution, solvent mixture, gasoline; two LUST cases: 1) reported in 1990 and closed in 2015, gasoline/diesel contamination to site soil and aquifer used for drinking water supply, 2) opened in 1997 and open for site assessment as of 2008; Lahontan RWQCB, Los Angeles County; gasoline contamination to groundwater.	FINDS; HAZNET; RGA LUST (open); LOS ANGELES COUNTY HMS; EDR Historical Auto Station; UST; HIST CORTESE; LUST; SWEEPS UST; ERNS; CHMIRS	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E58	Smith & Thompson Waste Transfer Facility	244 to 258 W Avenue L-9, Lancaster, CA 93534	Unspecified contaminants; cleanup status open as of January 1965; Lahontan RWQCB; unspecified, contamination to unspecified media. USEPA website indicated no further action.	LDS	1, 2, 3, 5	High: this is a release site with residual contamination which will be encountered in the project footprint.

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E59	Petro-Lock, Inc.	45315 Trevor Avenue, Lancaster, CA 93539	Diesel, gasoline, waste oil; LUST case opened in 1998 and undergoing remediation as of 2011; Lahontan RWQCB; diesel and gasoline contamination to drinking water aquifer and gasoline contamination to soil only.	HIST UST; UST; RGA-SQG; FINDS; LUST (open); RGA LUST; CA FID UST; HIST UST; SWEEPS UST; SWEEPS UST; LOS ANGELES COUNTY HMS; EMI; HAZNET; EDR Historical Auto Station	1, 2, 3, 5	High: this is an open LUST site with contamination which will be encountered in the project footprint.
E74	AV Custom Plating/Lancaster Moving & Storage	44813 Yucca Avenue, Lancaster, CA 93534	Gasoline; LUST case opened in October 1989 and closed in May 1990; Los Angeles County, Lahontan RWQCB; unspecified media affected.	LUST (closed); LOS ANGELES COUNTY HMS; EMI; HIST CORTESE	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E76/S1/S39	City of Lancaster	44801 Sierra Hwy (formerly 1136 Antelope), Lancaster, CA 93534	1918 SM, 1923 SM - Pumps Machinery & Agricultural Implements Warehouse; 1927 SM - Well Casing Manufacturing; 1934 SM - Pumps & Well Casings; not reported; LUST case opened in 2006 and open for closure as of July 2016; Lahontan RWQCB, Los Angeles County, SWRCB; reported total petroleum hydrocarbons-impacted soil onsite, remediation needed.	LUST (open); LOS ANGELES COUNTY HMS	1, 2, 3, 5	High: this is an open LUST site with contamination which will be encountered in the project footprint.
E78	Hunter Dodge Plymouth/HW Hunter, Inc./Five Star Auto Body/HW Hunter Chrysler/Plymouth/HW Hunter Dodge/Chrysler/HW Hunter OMC/Chrysler/City of Lancaster	44733 Sierra Hwy, Lancaster, CA 93534	Waste/ motor/ hydraulic/ lubricating oil, organic solids, oil/water separation sludge; LUST case opened in August 1990 and closed in May 1993; Los Angeles County, Lahontan RWQCB; waste/ motor/ hydraulic/ lubricating oil contamination to site soil.	HIST CORTESE; RCRA-SQG; FINDS; LUST (closed); HIST UST; HAZNET; LOS ANGELES COUNTY HMS; EMI; EDR Historical Auto Station	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.

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E83	Tim Wells Tire Service	45257 Sierra Hwy, Lancaster, CA 93534	No information available.	EDR US Hist Auto Stat; LUST	1, 2, 3, 5	High: this is a LUST site with contamination which will be encountered in the project footprint.
E84	LACDPW – Site01/LA Co. Public Works Department/Los Angeles County Department of Public Works/LA CO DPW WW Lancaster Yard/LACO DPW-Waterworks & Sewer Maintenance	419 W Avenue J, Lancaster, CA 93535	Chlorine, waste oil and mixed oil, alkaline solution without metals, aged or surplus organics, pesticides and other waste associated with pesticide production, solvent mixture, oil-containing waste, alkaline solution, aged or surplus inorganics, liquids with pH<=2, organic solids, inorganic solid waste, gasoline; LUST case opened and closed in April 2001; Los Angeles County, Lahontan RWQCB; gasoline contamination to site soil.	RMP; EMI; FINDS; HAZNET; UST; LOS ANGELES COUNTY HMS; HIST UST; SWEEPS UST; RGA LUST; HIST CORTESE; LUST (closed)	1, 2, 3, 5	High: this is a closed LUST site and an RMP (extremely hazardous material storage) site with residual contamination which will be encountered in the project footprint.
E88	44125 Yucca LLC/My Mechanic Auto Center/Little Oil Co	44125 Yucca Avenue, Lancaster, CA 93534	Gasoline, diesel, inorganic solid waste, tank bottom waste, organic solids, waste oil and mixed oil; LUST case opened in May 2006 and closed in April 2011; Lahontan RWQCB, Los Angeles County; gasoline, diesel contamination to site soil.	LOS ANGELES COUNTY HMS; EDR Historical Auto Station; LUST (closed); CA FID UST; SWEEPS UST; UST; HIST UST	1, 2, 3	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E9	Hwy 58 Fuel Stop (Texaco)/ Clark's Coffee Shop and Mini Mart/JOBRN Inc./ Bloomquist-May Inc.	8101 Edison Hwy, Bakersfield, CA 93307	Gasoline, diesel LUST case opened on October 23, 1996 and closed on January 6, 1997; Kern County Environmental Health; gasoline, diesel-contaminated soil.	RGA LUST; UST; SWEEPS UST; FINDS; LUST (closed); EMI; EDR Historical Auto Station; HIST CORTESE; CA FID UST; HIST UST	1, 2, 3, 5	High: this is a closed LUST site and an RMP (extremely hazardous material storage) site with residual contamination which will be encountered in the project footprint.

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E99	Antelope Valley Distribution	43851 Division Street, Lancaster, CA 93535	Gasoline; LUST case opened in September 2003 and closed in April 2007; Los Angeles RWQCB, Los Angeles County; gasoline contamination to site soil.	SWEEPS UST; LUST (closed); UST; LOS ANGELES COUNTY HMS	1, 2, 3	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E1	Jim's Radiator	3215 Edison Hwy, Bakersfield, CA 93307	Gasoline; LUST case opened on February 19, 1991 and closed on June 8, 1994; Kern County Environmental Health; gasoline contamination to soil.	RGA LUST; HIST CORTESE; LUST (closed); UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E109	Ralph Miller Property/ Professional Pipeline	42851 Sierra Hwy, Lancaster, CA 93535	Gasoline, waste oil and mixed oil; LUST case opened in October 1995 and closed in August 1996; Los Angeles County; gasoline contamination to site soil.	HIST CORTESE; LUST (closed); HAZNET	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E11	Cauzza Property/Vacant Land	Brundage and Edison Hwy, Bakersfield, CA 93307	Diesel LUST case opened in 1990 and closed in 1993; Kern County Environmental Health; affected media unreported.	HIST CORTESE; LUST (closed); UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E110	Lancaster Center/United Parcel Service	290 W Avenue L, Lancaster, CA 93534	Diesel; release reported April 19, 2010 and closed April 28, 2011; Los Angeles County; release of diesel to site soil; multiple CHMIRS incidents.	HMIRS; HIST UST; RGA LUST (closed); HAZNET; FINDS; NPDES; WDS; CA FID UST; SWEEPS UST; Los Angeles Co HMS	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E186	Jacobs Oil Company Inc./Cedar-J Carwash	560 W Avenue J, Lancaster, CA	UST listing; unreported release occurred on April 29, 2014; case closed by Lahontan RWQCB (Region 6T) on January 12, 2015.	LUST, HIST UST, UST, LOS ANGELES COUNTY HMS, SWEEPS UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.

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E61	Chevron USA Inc. Lancaster Bulk Plant/ Bulk Fuel Facility #1001488	45218 Sierra Hwy, Lancaster, CA 93534	Gasoline; LUST case opened in 1996 and closed in 2009; Lahontan RWQCB, Los Angeles County; gasoline contamination to soil and groundwater.	RCRA-NonGen/NLR; FINDS; LOS ANGELES COUNTY HMS; LUST (closed)	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E63b	Mission Linen Supply/Mission Uniform Service	619 Avenue I West, Lancaster, CA 93534	LUST case opened and closed in May 1990	DRYCLEANERS; HIST UST; EMI; HAZNET;	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E65	Former Everest Economy Gas/Gill & Sons, Inc./Alisa & Sergio Blanco	610 Avenue I West, Lancaster, CA 93534	Gasoline; LUST case opened on December 12, 1997 and closed December 12, 2015; Lahontan RWQCB (Region 6T); gasoline-impacted groundwater.	RGA LUST (closed); EDR Historical Auto Station; HIST UST; CA FID UST; SWEEPS UST; LOS ANGELES COUNTY HMS; HIST CORTESE; LUST (closed); HAZNET	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E7	Unico Chemicals Inc./ Martin Properties/ Nate Bozarth Enterprises	7101 Edison Hwy, Bakersfield, CA 93307	Lead, solvents, waste oil; LUST case opened on December 17, 1991 and closed on January 4, 1993; Kern County Environmental Health; lead contamination to soil.	HIST UST, FINDS, RGA LUST, HAZNET, HIST CORTESE, LUST (closed), CA FID UST, SWEEPS UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E71	Southern Pacific Trans. Co./Mobil Oil Corp.	44922 Sierra Hwy, Lancaster, CA 93534	Gasoline; LUST case opened in 1998; Los Angeles County; gasoline contamination to site soil.	HIST CORTESE; LUST (open); LOS ANGELES COUNTY HMS	1, 2, 3, 5	High: this is an open LUST site with contamination which will be encountered in the project footprint.

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E73	Unocal Corp #0773/Unocal Station #0773/City of Lancaster/Former Unocal Station #0773	44856 Sierra Hwy, Lancaster, CA 93534	Gasoline, waste oil and mixed oil; waste/motor/hydraulic/lubricating oil; two LUST cases 1) opened in April 1997 and closed in January 2005; Lahontan RWQCB, Los Angeles County; non-drinking water groundwater contaminated with gasoline and 2) opened in July 1995 and closed in January 2005; Los Angeles County, Lahontan RWQCB; waste/motor/hydraulic/lubricating oil contamination to site soil.	LOS ANGELES COUNTY HMS; HIST CORTESE; LUST (closed); HAZNET; RGA LUST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E77	City of Lancaster	540 W Avenue J, Lancaster, CA	Diesel, gasoline, waste oil/motor/hydraulic/lubricating; LUST case opened 10/4/2006 and closed 2/19/2008; Los Angeles County; Tank Closure Report summarizes three 10,000-gallon gasoline USTs were removed; reportedly, total petroleum hydrocarbons (diesel and gasoline) remain in soil.	LUST (closed)	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E80	Unknown	44633 Sierra Hwy, Lancaster, CA 93534	Gasoline; LUST case opened in October 1991 and closed in May 1993; Los Angeles County, Lahontan RWQCB; unspecified media affected.	HIST CORTESE; LUST (closed)	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E81	Henry Walsma	44354 Sierra Hwy, Lancaster, CA	Gasoline; LUST case opened November 3, 1990 and closed March 30, 1995; Los Angeles County; case closure summary indicates that vapor extraction was operated from July to September 1993 and October to December 1993; some contaminated soil remained 10 to 40 feet below grade and is now capped with asphalt underneath Sierra Highway.	HIST CORTESE; LUST (closed)	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.

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E82	Gorrindo Texaco/Robert Gorrindo/Western Serve-Ur-Self Station/Jacobs Oil Co	44339 Sierra Hwy, Lancaster, CA 93534	Gasoline and diesel; LUST case opened February 16, 1993 and closed May 21, 2012; Lahontan RWQCB; case closure documents report contamination to soil only; soil vapor extraction operated from August 1996 through July 2005; residual petroleum-impacted soil remains at the site below 20 feet below grade.	HIST CORTESE; LUST (closed); HAZNET; EDR US Hist Auto Stat; SWEEPS UST; LOS ANGELES COUNTY HMS	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E85	Mobil Service Station #10-MMW/ Nabil H. Haddad #14-849-L/ Civic Center Texaco/ Green Solution Recycling/ Mobil Oil Corp/ Texaco Service Station/ Tony's Gas	44358 10th Street N, Lancaster, CA 93534	Gasoline; case opened on May 6, 1986 and closed on August 31, 1990; Los Angeles County; gasoline contamination to site soil.	HIST UST; RGA LUST (closed); SWEEPS UST; RCRA-SQG; FINDS; HAZNET; SWRCY; EDR US Hist Auto Stat; LOS ANGELES COUNTY HMS; UST	1, 2, 3	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E89	Caltrans Lancaster Maintenance LVTOP/Maintenance Station/ Caltrans District 7	44023 N Sierra Hwy, Lancaster, CA 93534	Gasoline, diesel; two closed LUST cases 1) opened in March 1989 and closed in December 1997; Lahontan RWQCB, Los Angeles County; gasoline contamination to site soil 2) opened in March 2000 and closed in January 2015; Lahontan RWQCB, SWRCB, Los Angeles County; minor petroleum hydrocarbon contamination to site soil.	AST; SWF/LF; HIST UST; HAZNET; HIST CORTESE; LUST (closed); FINDS; SWEEPS UST; LOS ANGELES COUNTY HMS; RGA LUST; RGA LF; RCRA-SQG	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
E90	7-Eleven Store 17837/7-11 #17837/ Southland Corp SS 17837/7-11 #17837	44011 Sierra Hwy, Lancaster, CA 93534	Asbestos-containing waste, gasoline; LUST case opened in October 1991 and closed in June 1994; Los Angeles County, Lahontan RWQCB; gasoline contamination to site soil.	HIST CORTESE; LUST (closed); HIST UST; HAZNET; RGA LUST; CA FID UST; SWEEPS UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E98	Butler Scales/Desert Mine Industries	43857-43859 Sierra Hwy, Lancaster, CA 93534	Gasoline, diesel, organic solids, sludge waste; LUST case opened in February 1999 and closed in January 2012; Lahontan RWQCB, Los Angeles County; residual gasoline and diesel contamination to soil.	UST; HAZNET; LOS ANGELES COUNTY HMS; CA FID UST; SWEEPS UST; LUST (closed); RGA LUST; HIST UST	1, 2, 3, 5	High: this is a closed LUST site with residual contamination which will be encountered in the project footprint.
Moderate-Ranked PEC Sites						
E79	Watson's Foreign Body & Paint/ MP Auto & Smog/ WB Carter & DL Carter Trust/ Industrial Radiator & Muffler/ MPS Auto/ Antelope Valley Bus High Desert Automotive Center	44706 Yucca Avenue, Lancaster, CA 93534	Solvent mixture, hydrocarbon solvents, organic liquid mixture, contaminated soil from clean-up, oil/water separation sludge, non-petroleum hydrocarbon; LUST case opened in May 1995 and closed in September 1997; Lahontan RWQCB, Los Angeles County; solvent or non-petroleum hydrocarbon contamination to site soil.	HAZNET; EMI; SWEEPS UST; LOS ANGELES COUNTY HMS; EDR Historical Auto Station; HIST CORTESE; LUST (closed)	1, 2, 3	Moderate: this is a closed LUST site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.
E111	Nu Ease Inc.	42644 Valley Line Road, Lancaster, CA 93535	Unspecified contaminants; Los Angeles County; release of unspecified contaminants to soil reported and case granted closure 2/13/1990.	HAZNET; LUST; HIST CORTESE; HIST UST; RCRA-LQG; LUST (closed); CA FID UST, SWEEPS UST, LOS ANGELES COUNTY HMS	1, 2, 3	Moderate: this is a closed LUST site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.
E117d	Lockheed Plant 10, Building 603	1011 Lockheed Way, Palmdale, CA 93550	Release of diesel to soil reported at Plant 10, Building 603, on March 10, 1993; case granted closure October 7, 2010; closure letter on GeoTracker indicates low detections of total petroleum hydrocarbons diesel and benzene, toluene, ethylbenzene, and xylene compounds; no threat to groundwater is expected and therefore closure was granted; RWQCB Case # 6B1900672T	RGA LUST (closed)	1, 2, 3, 5	Moderate: this is a closed LUST site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E117e	Lockheed Martin Skunk Works	1011 Lockheed Way, Palmdale, CA 93550	Release of aviation fuel to soil reported at the Skunk Works facility on January 22, 1997; case granted closure August 28, 2013; No Further Action letter indicates removal of 1,500 foot pipeline and multiple USTs discovered in 1997; remediation details were not included. RWQCB Case # 6B1900811T Local Agency Case # 6389-9791	RGA LUST (closed)	1, 2, 3, 5	Moderate: this is a closed LUST site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.
E117f	Lockheed Plant 10, Building 617	1011 Lockheed Way, Palmdale, CA 93550	Release of gasoline and diesel reported to soil at Plant 10 Building 617 on December 11, 2014; No Further Action letter provided November 12, 2015. RWQCB Case # 6B1920021T	RGA LUST (closed)	1, 2, 3, 5	Moderate: this is a closed LUST site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.
E131	Air Force Plant 42	US Airforce Installation Restoration Program (IRP) Site SS008 – Fuel Transfer Area, Air Force Plant 42, Palmdale	Soil impacted by total petroleum hydrocarbons, VOCs, & semivolatile organic compounds; groundwater has not been impacted (CH2MHill 2012); RWQCB Case #166-62—4; local agency case #19970004	ERNS, WMUDS/SWAT, MCS, CERCLIS, Hist UST, RGA LF	1, 2, 3, 5	Moderate: this is a release site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E136	Kirschenmann Farms – Porter Shop /Porter Ranch	12855 E Panama, Lamont, CA 93241/Malaga and Panama Lane	One 11,250-gallon AST.	AST; SWEEPS UST	1, 2, 3, 5	Moderate: this is an AST site and large agricultural facility which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E148	Pioneer Honda	45005 North Sierra Hwy, Lancaster, CA	UST listing	CA FID UST; SWEEPS UST; LOS ANGELES COUNTY HMS; RCRA-SQG; FINDS; HIST UST	1, 2, 3, 5	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E155	Not Reported	124 E Avenue J, Lancaster, CA 93535	Dry cleaners	Historical cleaners	1, 2, 3, 5	Moderate: this is a former dry cleaning facility which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E156	Not Reported	131 E Avenue J, Lancaster, CA 93535	Dry cleaners	Historical cleaners	1, 2, 3, 5	Moderate: this is a former dry cleaning facility which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E159	Not Reported	230 E Avenue K, Lancaster, CA 93535	Former dry cleaners	Historical cleaners	1, 2, 3, 5	Moderate: this is a former dry cleaning facility which may have contamination.
E161	Not Reported	45543 Beech Avenue, Lancaster, CA 93534	Former dry cleaners	Historical cleaners	1, 2, 3, 5	Moderate: this is a former dry cleaning facility which may have contamination.
E170	Indian Wells ASR-8	660 W Avenue J, Lancaster, CA 93534	UST listing; one former 1,000-gallon diesel	HIST UST	1, 2, 3, 5	Moderate: this is a historical UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E177	Standard Auto Service/Chevron Station #9-7932	100 E Avenue J, Lancaster, CA 93534	HIST UST; up to four USTs, 1,000 to 10,000 gallons; release of gasoline to groundwater occurred on 1/13/1992; case closed by the Lahontan RWQCB (Region 6V) on October 8, 2002.	HIST UST, US Hist Auto Stat, SWEEPS UST, LOS ANGELES COUNTY HMS, HAZNET, RGA LUST, LUST, HIST CORTESE, FINDS,	1, 2, 3, 5	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E178	David A. and Patricia Q. Fox/R.S. Stoddard Company/Pipeline Materials Inc.	42525 Valley Line Road, Lancaster, CA 93534	UST listing; one 1,000-gallon former product UST/nine USTs listed as active in 1999	HIST UST/CA FID UST, SWEEPS UST, LOS ANGELES COUNTY HMS	1, 2, 3, 5	Moderate: this is a closed LUST site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E183	Lancaster / Verizon California Inc. Lancaster Plant Yard	45243 Beech Avenue, Lancaster, CA 93534	UST listing	HIST UST; SWEEPS UST; LOS ANGELES COUNTY HMS; RCRA-SQG; FINDS	1, 2, 3, 5	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E185	Acme Rentals	44110 Yucca Avenue, Lancaster, CA 93534	Release of kerosene to groundwater on September 8, 1996; case was closed by Lahontan RWQCB (Region 6V) on June 12, 2003.	LUST, HIST UST, HAZNET, EMI	1, 2, 3	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E189	WL Research	601 Oswell Street, Bakersfield, CA 93307	Gasoline; gasoline release to soil reported in 1988, case closed in 1994; Kern County	RGA LUST (closed); HAZNET; HIST CORTESE; SLIC (closed); UST	1, 2, 3, 5	Moderate: this is a closed LUST site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.
E191	Ray's Chevron/Mobil Mini Mart	101 E Avenue J, Lancaster, CA	UST listing; up to three tanks, unreported capacity; release of methyl tertiary-butyl ether / TBA / other fuel oxygenates, gasoline to groundwater on January 1, 1996; case open as of January 29, 2015 with Lahontan RWQCB (Region 6T) as the lead agency.	SWEEPS UST, LOS ANGELES COUNTY HMS	1, 2, 3, 5	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E198	W B Carter & D L Carter Trust / Antelope Valley Bus Inc.	44706 Yucca Avenue, Lancaster, CA	UST listing	SWEEPS UST; LOS ANGELES COUNTY HMS; EDR US Historic Auto Station; HIST CORTESE; LUST	1, 2, 3	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E201	Sparkletts Drinking Water Corp / H & S Automotive	45035 North Trevor Avenue, Lancaster, CA	UST listing	SWEEPS UST; LOS ANGELES COUNTY HMS; HIST UST; HAZNET	1, 2, 3	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E203	Edison School District	Edison and Edison Highway, Bakersfield, CA	UST listing	UST	1, 2, 3, 5	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E204	County Tank	Edison & Oswell, Bakersfield, CA	UST listing	UST	1, 3, 5	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E205	Comanche Gas Station	1631 S Commanche Dr, Bakersfield, CA	UST listing	UST	1, 2, 3, 5	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E214	Cox Petroleum Transport/HF Cox Inc	7641 Edison Hwy, Bakersfield, CA	UST listing	UST; HAZNET; RCRA-SQG; FINDS; SWEEPS UST	1, 2, 3, 5	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E41	Lehigh Southwest Cement Company/Calaveras Cement Co./Monolith Limestone Quarry	13573 E Tehachapi Blvd, Tehachapi, CA 93561	<p>Release of waste oil, motor /hydraulic/ lubricating oil; case opened in 2005 and closed in 2008; Kern Co. Environmental Health and Central Valley RWQCB; release of waste oil from a pipeline impacting unspecified media; closure letter reviewed on GeoTracker and No Further Action designation was recommended; LUST case opened in 2003 and eligible for closure as of 2014; SWRCB, Lahontan RWQCB, Los Angeles County; petroleum hydrocarbon-impacted soil at 3 ft.below grade; 2) SLIC case is a groundwater case; other contaminants include: Al, Cd, total Cr, Cu, Pb, Hg, Ni, Fe, and Mn; reported in 1997, no additional information available; 3) CHMIRS listing indicates that an AST was overfilled in 2001 and the spill was contained in a bermed area; 4) 50 gallons of diesel reported from a pinhole in an underground pipeline in 1997; 5) 50 gallons of diesel in 2003, material was reportedly contained; site listed as cleanup program site due to heavy metals reported in groundwater in 1980; site listed as open and inactive as of 2009; listed as open as of 1977; 37,690-gallon AST onsite; active limestone quarry; reclamation not started.</p> <p>Prior to 1980, waste kiln brick and other industrial refuse had been landfilled onsite (RWQCB 1989). Currently the landfill is capped and the property is used as a transfer storage facility where debris is staged for sorting and recycling (2012). The western limit of the capped landfill is located over 1 mile east of the alignment alternatives. The eastern limit of the capped landfill is located approximately 0.75 mile west of the proposed electrical transmission line to Oak Creek Road.</p>	LUST (closed); ICIS; FINDS; NPDES; SWF/LF; WDS; WMUDS/SWAT; ENF; LDS; CHMIRS; SLIC (open); LUST; FINDS; UST; HAZNET; ERNS; CHMIRS; EMI; US MINES; CERC-NFRAP; ECHO; TRIS; TSCA; AST; US AIRS; SEMS-ARCHIVE	1, 2, 3, 5	Moderate: this is an open SLIC site and a closed LUST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E54	Southern California Gas Company/Lancaster District	44416 N Division Street, Lancaster, CA 93534	Gasoline; case opened on April 22, 2002 and closed on January 13, 2015; SWRCB; gasoline contamination to site soil; closure documents indicate groundwater likely not affected.	HIST UST; EMI; FINDS; UST; LUST (closed); SWEEPS UST; LOS ANGELES COUNTY HMS; HAZNET	1, 2, 3, 5	Moderate: this is a closed LUST site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.
E55	Golden Pac Foods/ Consolidated Freightways	330 W Pillsbury Street, Lancaster, CA 93534	Corrosive liquid; gasoline.	HMIRS; HIST UST; CA FID UST; SWEEPS UST; LOS ANGELES COUNTY HMS	1, 2, 3	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E63a	Mission Linen Supply/Mission Uniform Service/ Mission Industries/Fashion Dry Cleaners	44926 Yucca Avenue, Lancaster, CA 93535	Gasoline; LUST case, opened and closed in 1990; Los Angeles County; unspecified media affected; SLIC case opened in June 2011 and under assessment as of August 2011, after discovery of perchlorethylene and trichloroethylene in the site indoor air, soil vapor, and soil.	WIP; LOS ANGELES COUNTY HMS; CA FID UST; HIST UST; SWEEPS UST; HIST CORTESE; LUST; EDR Historical Cleaners; RGA LUST	1, 2, 3	Moderate: this is an open SLIC site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.
E95	Formal Rental Services Corp/ ACME Rents/Rental Service Corp	44110 Yucca Avenue, Lancaster, CA	Kerosene; Lahontan RWQCB; release to groundwater reported September 8, 1996 and case granted closure June 12, 2003.	RGA LUST (closed); HAZNET; HIST UST; EMI; Los Angeles Co HMS; RCRA-SQG; FINDS	1, 2, 3	Moderate: this is a closed LUST site with residual contamination which is located in the buffer, and is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
S11	Not Available	Portion of 400-416 W Lumber/ 44825 Yucca Ave, Lancaster, CA	1910 SM - Lancaster Lumber Company	na	1, 2, 3, 5	Moderate: this is a historical lumber yard facility which may have contamination.
S13	Not Available	Formerly 929 Antelope Ave, Lancaster, CA	1918 SM, 1923 SM - Lancaster Garage (280-gallon gasoline tank underground). 1927 SM - Antelope Valley Garage Auto Repair. 1934 SM - Auto Repairing	na	1, 2, 3, 5	Moderate: this is a historical garage facility with an underground tank and a historical auto repair site, which may have contamination.
S19	Not Available	Portion of 525 W Lancaster Blvd (formerly 130 W 10th St), Lancaster, CA	1927 SM, 1934 SM - Pressing	na	5	Moderate: this is a historical pressing facility, possible former dry cleaners, which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
S23	Not Available	Portion of 44915 Sierra Hwy (formerly 941-959 Antelope Ave)	1927 SM, 1934 SM - Lancaster Inn Garage & Repairing	na	1, 2, 3, 5	Moderate: this is a historical garage and repair shop which may have contamination.

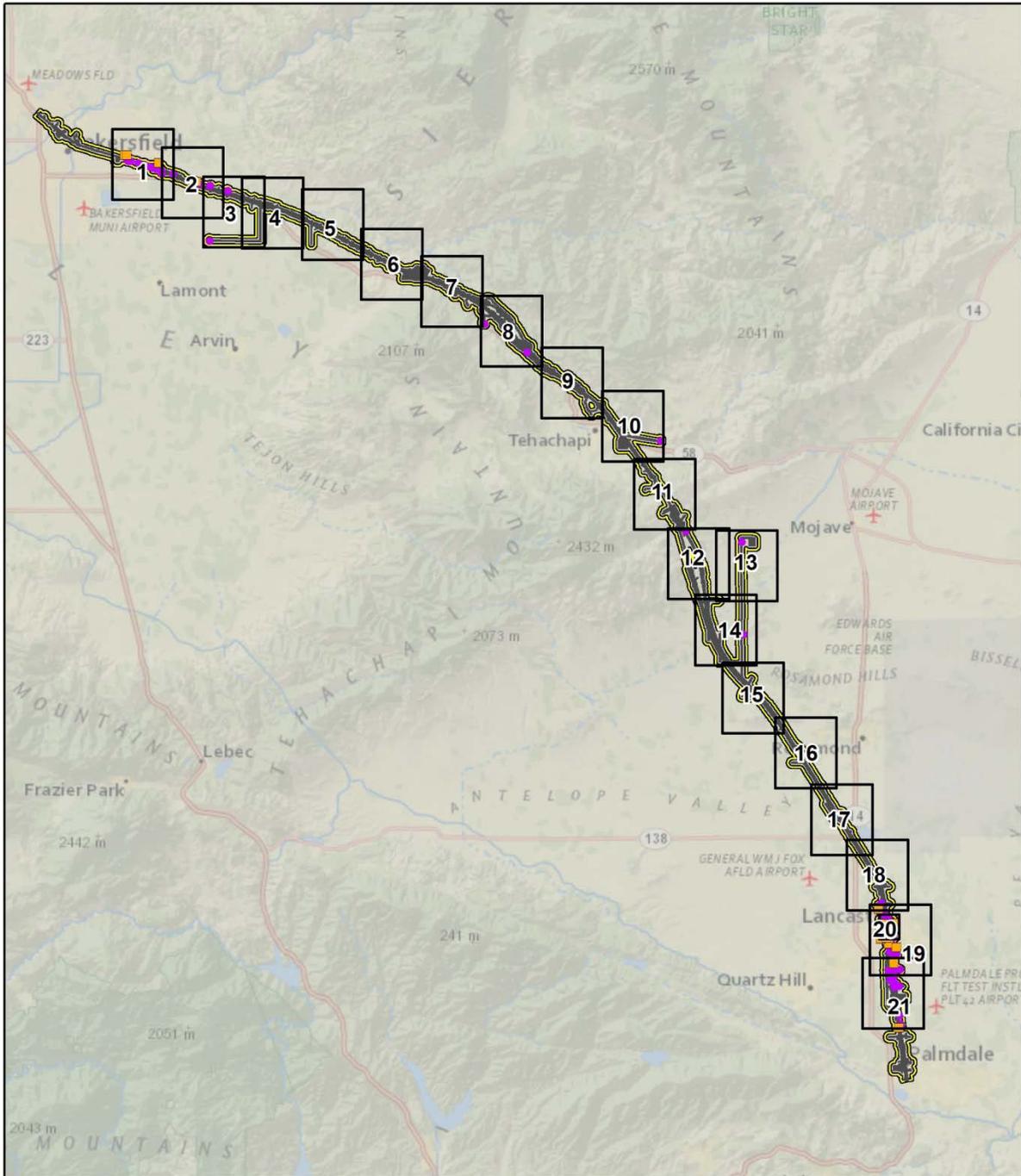
Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
S29	Not Available	Portion of 44853 Yucca (formerly 148 Lumber St), Lancaster, CA	1927 SM, 1934 SM - Auto Repairing	na	1, 2, 3, 5	Moderate: this is a historical auto repair shop which may have contamination.
S30	Not Available	Portion of 412 W Lancaster Blvd (formerly 138 Lumber St), Lancaster, CA	1927 SM, 1934 SM - Machinery Warehouse	na	1, 2, 3, 5	Moderate: this is a historical machinery warehouse which may have contamination.
S31	Not Available	44942 Cedar Avenue, Lancaster, CA	1923 SM - Welding	na	5	Moderate: this is a historical welding facility which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
S36	Not Available	547 W Lancaster Boulevard (formerly 44 West 10th Street), Lancaster, CA	1918 SM, 1923 SM - Machine Shop	na	5	Moderate: this is a historical machine shop site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
S37	Not Available	549 W Lancaster Boulevard, Lancaster, CA	1923 SM - Tin Shop	na	5	Moderate: this is a historical tin shop which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
S43	Not Available	44655 Sierra Hwy (formerly 1217 Antelope), Lancaster, CA	1927 SM, 1934 SM - Oil Storage	na	1, 2, 3, 5	Moderate: this is a historical oil storage site which may have contamination.
S45	Not Available	Formerly 815 Yucca Ave, Lancaster, CA	1934 SM - Concrete Pipe Manufacturing	na	1, 2, 3, 5	Moderate: this is a historical pipe manufacturing facility which may have contamination.
S5	Not Available	Lancaster, CA	1918 SM, 1923 SM - Lancaster Feed & Fuel Company Warehouse	na	1, 2, 3, 5	Moderate: this is a historical feed and fuel company which may have contamination.
S6	Not Available	Portions of 423 W Lancaster Blvd (formerly 130 E 10th), Lancaster, CA	1918 SM, 1923 SM, 1927 SM, 1934 SM - Antelope Valley Lumber Company	na	1, 2, 3, 5	Moderate: this is a historical car and oil house which may have contamination.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E145	Consolidated Freightways/Golden Pac Foods	330 W Pillsbury, Lancaster, CA	UST listing; two 1,000-gallon tanks	CA FID UST, SWEEPS UST, LOS ANGELES COUNTY HMS	1, 2, 3	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E181	Antelope Valley Warehouse / LA CO AGRI COMM/WTS & MEASURES	44720 Yucca Avenue, Lancaster, CA 93534	UST listing	HIST UST; LOS ANGELES COUNTY HMS; FINDS	1, 2, 3	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E193	Lions Construction	44033 N Division, Lancaster, CA	UST listing; reported active in 1989	SWEEPS UST, LOS ANGELES COUNTY HMS	1, 2, 3	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E194	Wicks Lumber	43755 Division Street, Lancaster, CA	UST listing; tanks reported active in 1989	SWEEPS UST, LOS ANGELES COUNTY HMS	1, 2, 3, 5	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.

Figure 3.10-A-1 Map ID No.	Facility Name	Site Address	Contaminants of Concern/ Lead Agency/ Environmental Issues	EDR Database Listings	Alternative RSA	Ranking Notes
E208	Ave L & Business Center Gas Station	421 E Avenue L, Lancaster, CA	UST listing; no details provided	UST	1, 2, 3, 5	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
E213	Keene Helibase/Kern County Fire Department/Fire Station 11	30356 Woodford Tehachapi Road, Keene, CA 93531	UST listing	UST; HAZNET; FINDS	1, 2, 3, 5, CCNM Design Option	Moderate: this is an UST site which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.
S48	Not Available	Portion of 44812 Beech Ave (formerly 1048 Beech Ave), Lancaster, CA	1934 SM - Auto Repair & Furniture Upholstering	na	1, 2, 3, 5	Moderate: this is a historical auto repair shop which may have contamination.
S56	Not Available	44910 Yucca Avenue, APNs 3138011053 & 3138011029, Lancaster, CA	1918 SM - Tank	na	1, 2, 3	Moderate: this is a historical tank site with unknown former contents, which is located in the buffer and may have contamination, but is not expected to be encountered in the project footprint.

AST = Aboveground Storage Tank
CA FID UST = Cal-EPA's Facility Inventory Database of Underground Storage Tanks
CERC-NFRAP = Archived Comprehensive Environmental Response, Compensation, and Liability Information System Site Listing
CHMIRS = California Hazardous Materials Incident Reporting System
CORTESE = "Cortese" Hazardous Waste & Substances Sites List
ECHO = Enforcement and Compliance History Online
EMI = Cal ARB's Emissions Inventory Data
ENF = Enforcement Action Listing
ERNS = Emergency Response Notification System
FID = Facility Inventory Database
FINDS = USEPA's Facility Index System/Facility Identification Initiative Program Summary Report
HAZNET = California Department of Toxic Substances Control hazardous waste manifest database (1993+)
HIST = Historical
HMS = Hazardous Materials System
ICIS = Integrated Compliance Information System
LDS = Land Disposal Site
LUST = Leaking Underground Storage Tank
NFRAP = No Further Remedial Action Planned
NPDES = U.S. EPA's National Pollutant Discharge Elimination System
RCRA = Resource Conservation and Recovery Act
RCRA-LQG = RCRA Large Quantity Generators
RCRA-NonGen = RCRA Non Generators/No Longer Regulated
RCRA-SQG = RCRA Small Quantity Generators
RGA = Recovered Government Archive
RMP = Risk Management Plan
SLIC = Spills, Leaks, Investigations, and Cleanups
SWEEPS = Statewide Environmental Evaluation and Planning System
SWF/LF = Solid Waste Information System
SWRCY = California recycler database
TRIS = USEPA's Toxic Chemical Release Inventory System
TSCA = Toxic Substances Control Act
UIC = Underground injection wells listed in the California Oil and Gas Wells database
US Hist Auto Stat = U.S. Historical Auto Station database
USMINES = Mines Master Index File
UST = Underground Storage Tank
WMUDS/SWAT = Waste Management Unit Database System
WDS = Waste Discharge System



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).
 October 25, 2019

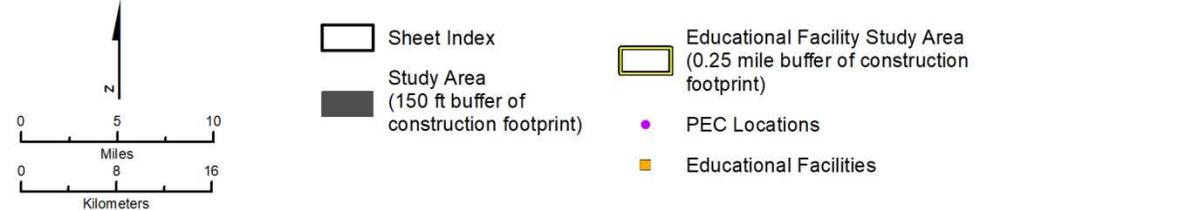
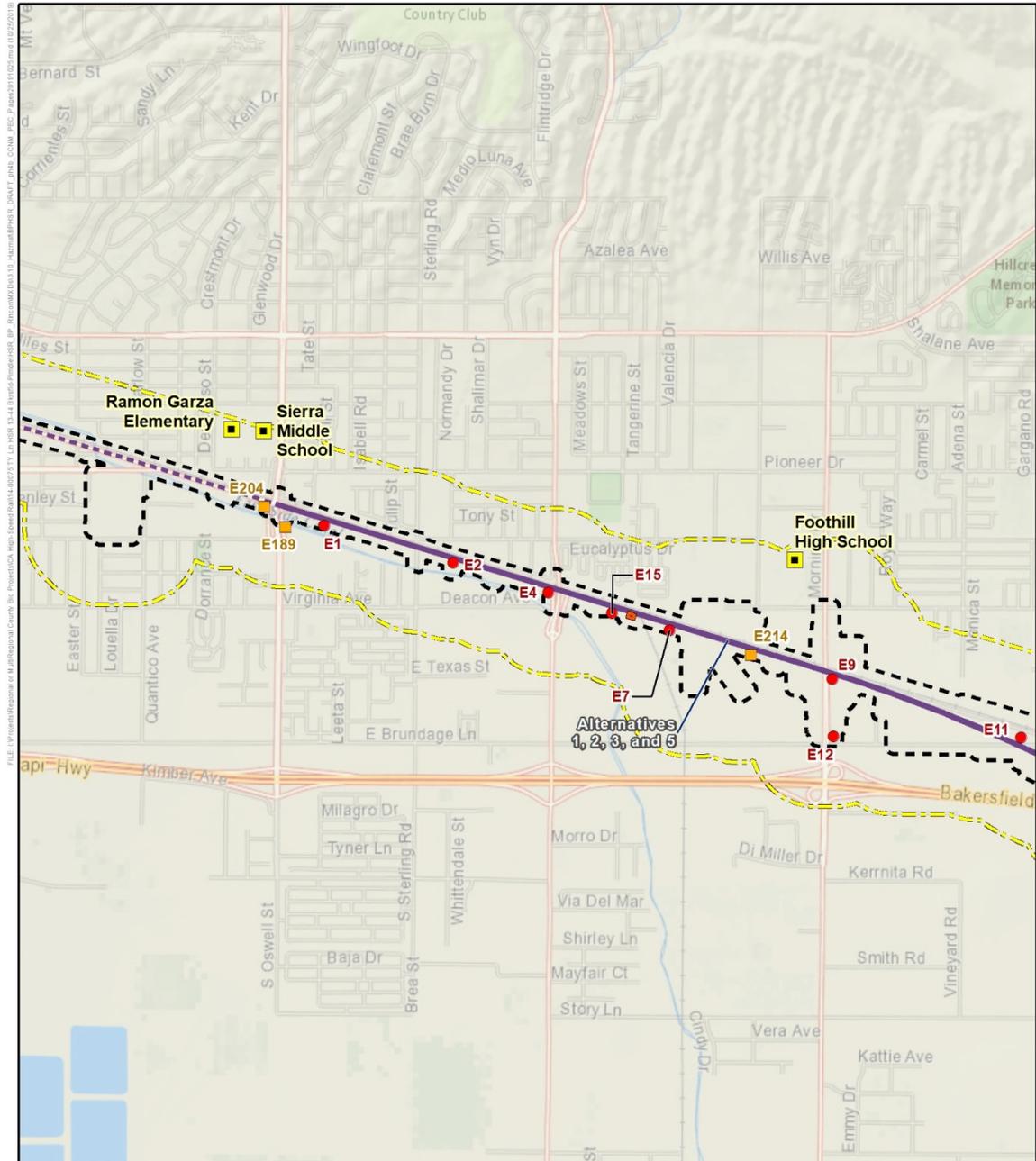


Figure 3.10-A-1 PEC Sites in the RSA - Overview

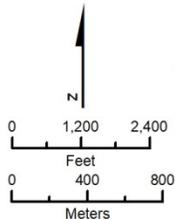


PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

- Bakersfield to Palmdale (Centerlines)
- Study Area (150 ft buffer of construction footprint)
- Educational Facility Study Area (0.25 mile buffer of construction footprint)
- Traction Power Substation

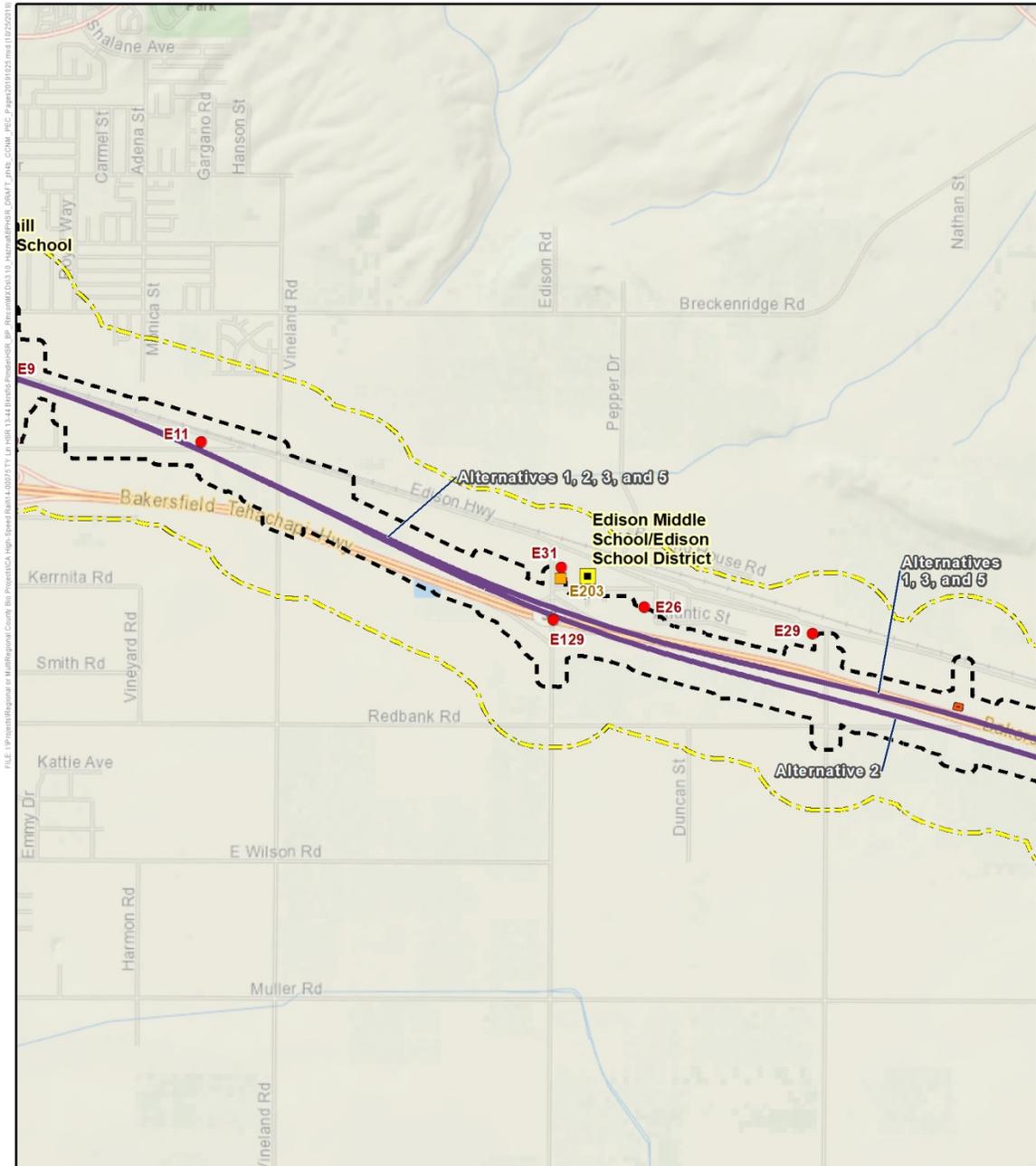
- Ranking**
- High Risk
 - Moderate Risk



Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).



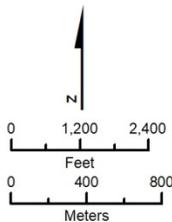
Figure 3.10-A-1 PEC Sites in the RSA (Sheet 1)



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- High Risk
 - Moderate Risk



Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 2 of 21

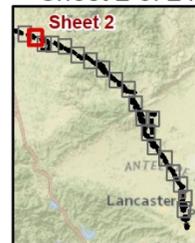
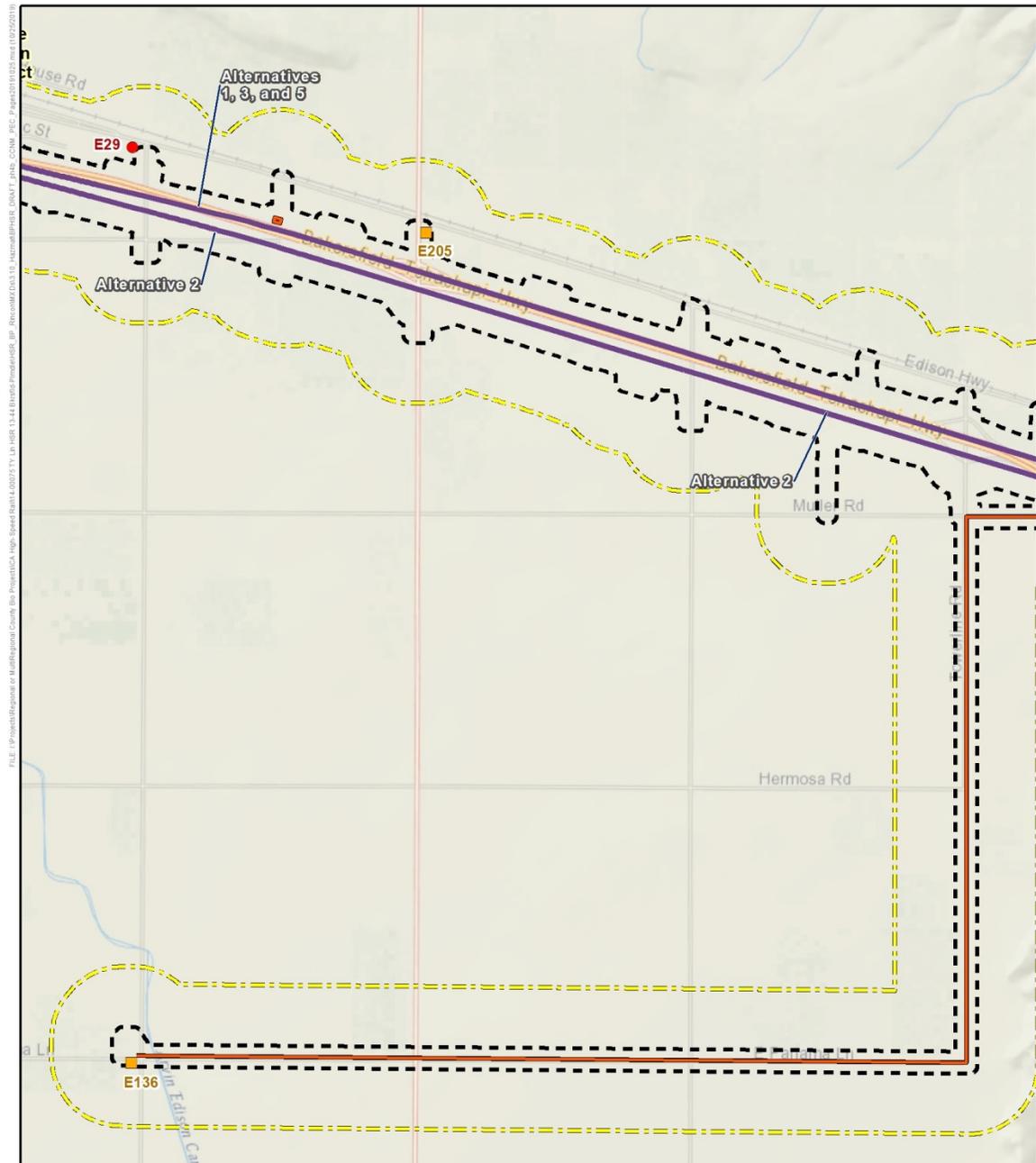


Figure 3.10-A-1 PEC Sites in the RSA (Sheet 2)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).
 October 25, 2019

	Bakersfield to Palmdale (Centerlines)	Ranking High Risk Moderate Risk
	Study Area (150 ft buffer of construction footprint)	Educational Facility Study Area (0.25 mile buffer of construction footprint)

Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

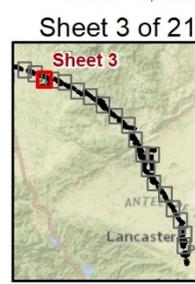
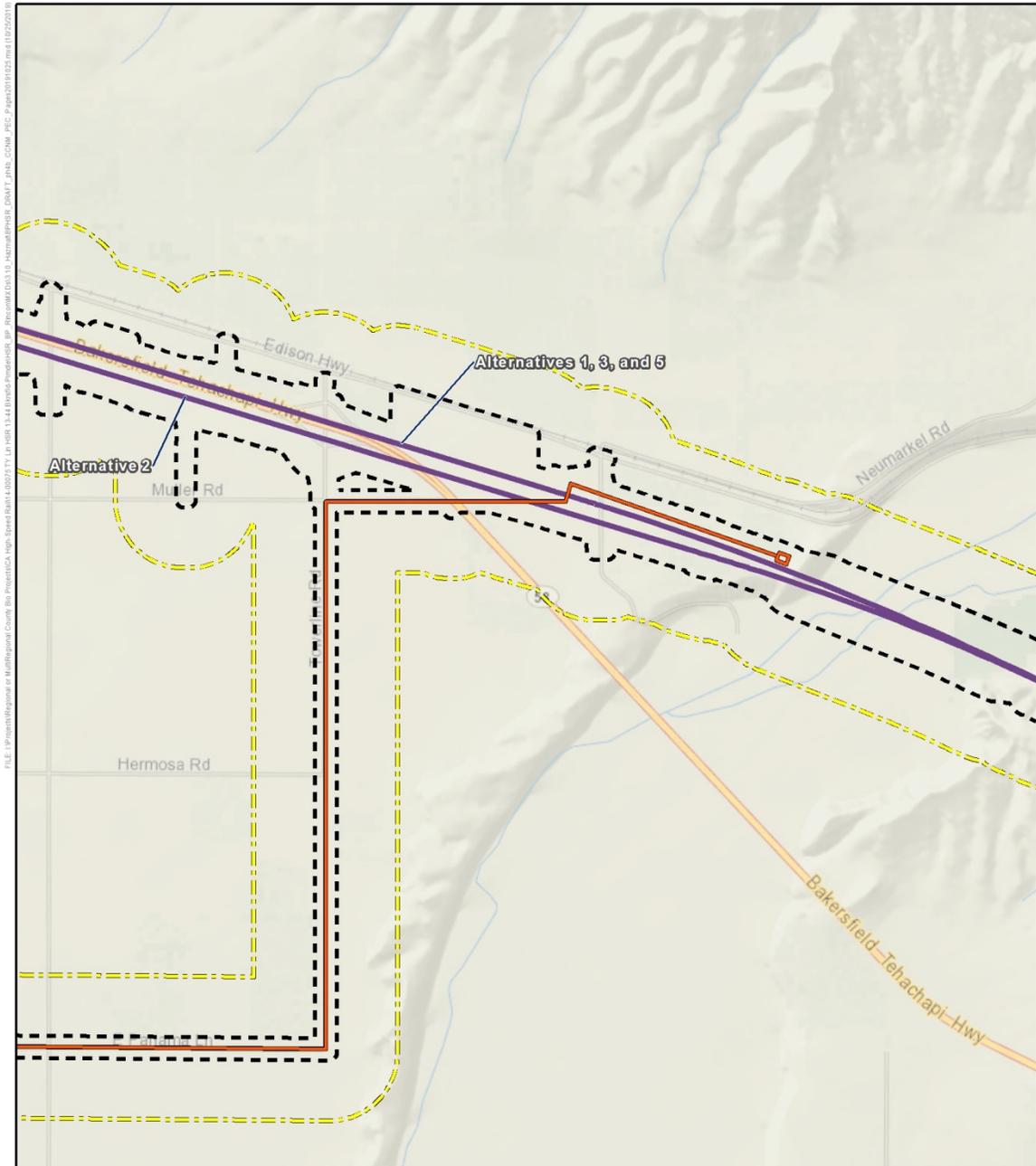


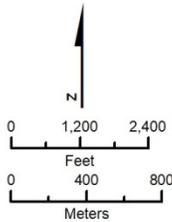
Figure 3.10-A-1 PEC Sites in the RSA (Sheet 3)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

- Bakersfield to Palmdale (Centerlines)
- Study Area (150 ft buffer of construction footprint)
- Educational Facility Study Area (0.25 mile buffer of construction footprint)
- Traction Power Substation



Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 4 of 21

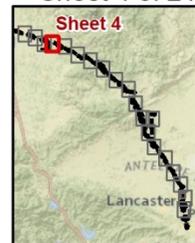
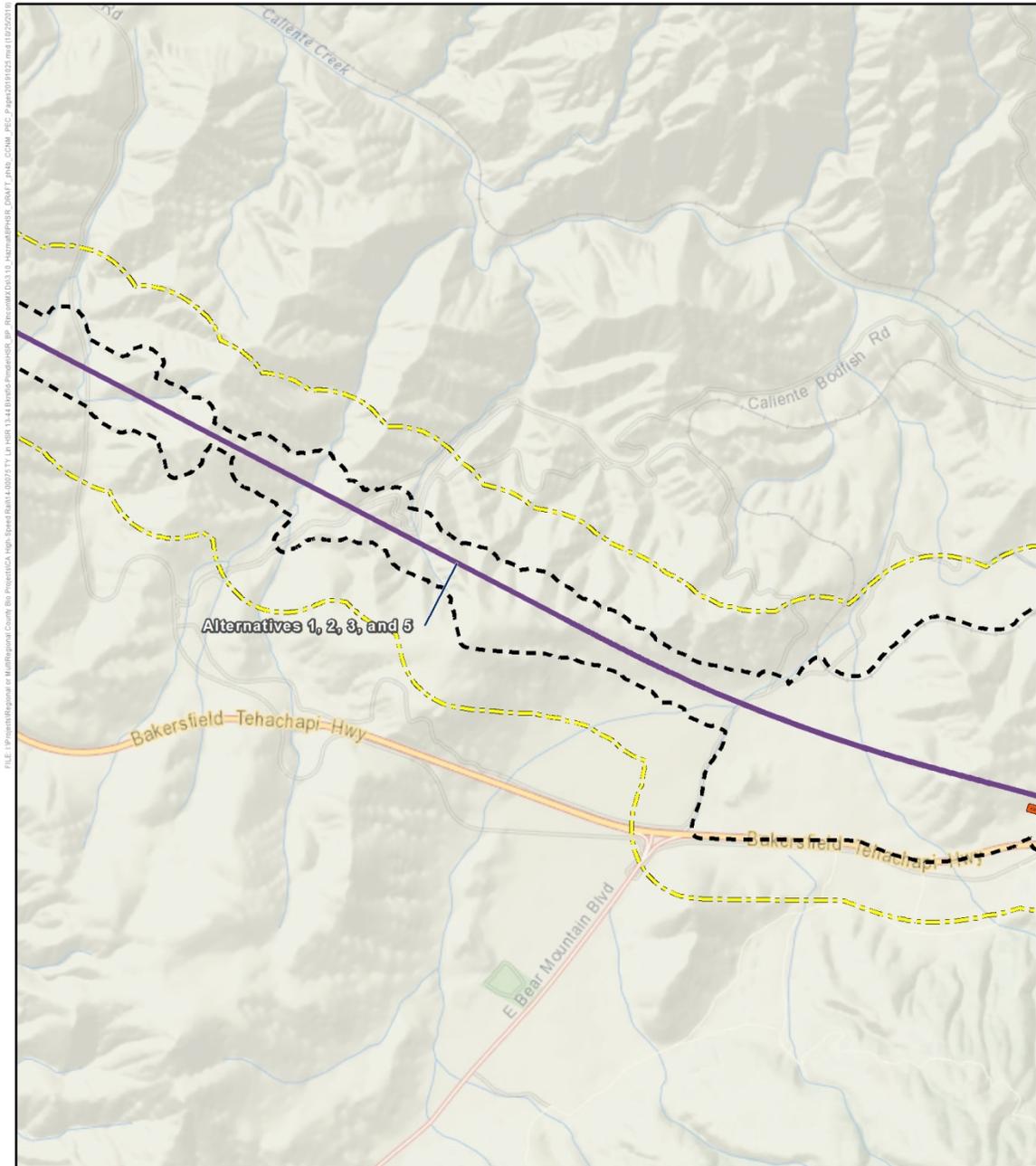


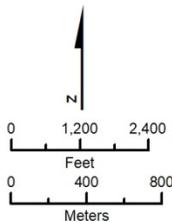
Figure 3.10-A-1 PEC Sites in the RSA (Sheet 4)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

- Bakersfield to Palmdale (Centerlines)
- Study Area (150 ft buffer of construction footprint)
- Educational Facility Study Area (0.25 mile buffer of construction footprint)
- Traction Power Substation

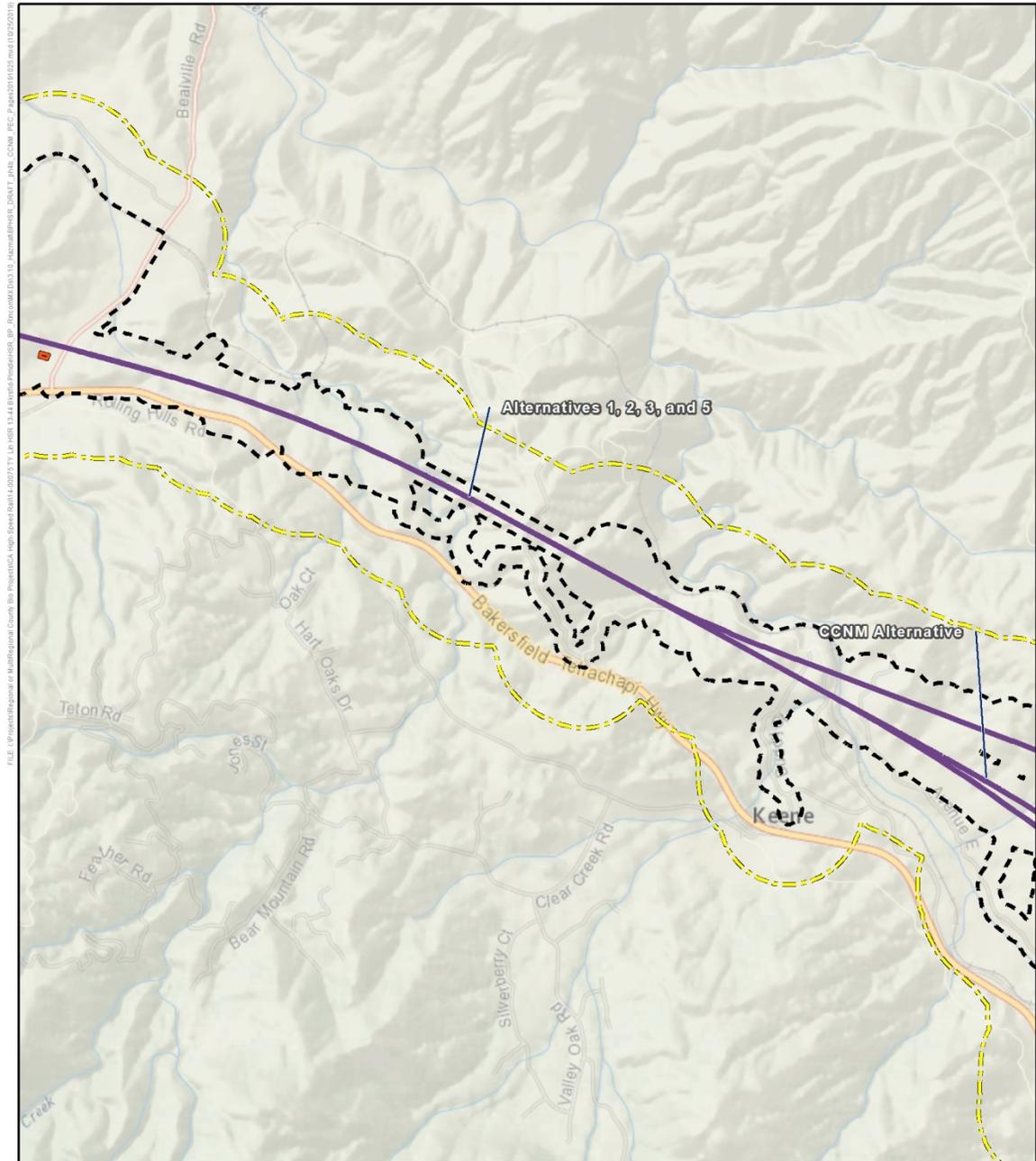


Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 6 of 21



Figure 3.10-A-1 PEC Sites in the RSA (Sheet 6)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).
 October 25, 2019

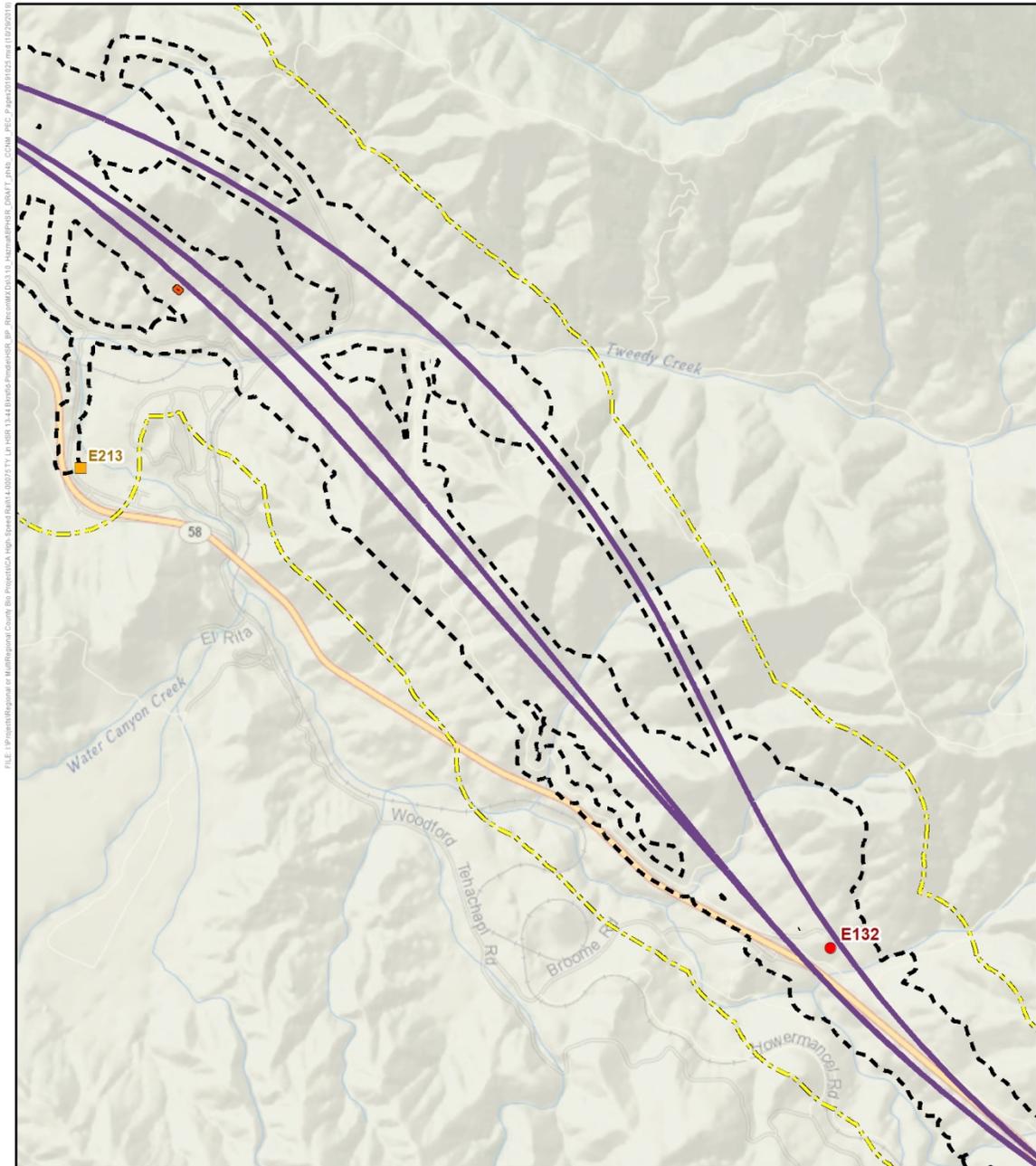
Sheet 7 of 21

— Bakersfield to Palmdale (Centerlines)
 Study Area (150 ft buffer of construction footprint)
 Educational Facility Study Area (0.25 mile buffer of construction footprint)
■ Traction Power Substation

0 1,200 2,400
 Feet
 0 400 800
 Meters

Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

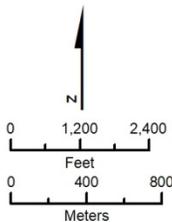
Figure 3.10-A-1 PEC Sites in the RSA (Sheet 7)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 29, 2019

- | | |
|--|--|
| <ul style="list-style-type: none"> Bakersfield to Palmdale (Centerlines) Study Area (150 ft buffer of construction footprint) Educational Facility Study Area (0.25 mile buffer of construction footprint) Traction Power Substation | <p>Ranking</p> <ul style="list-style-type: none"> High Risk Moderate Risk |
|--|--|



Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 8 of 21

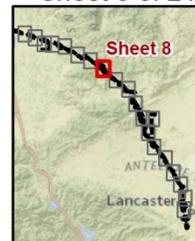
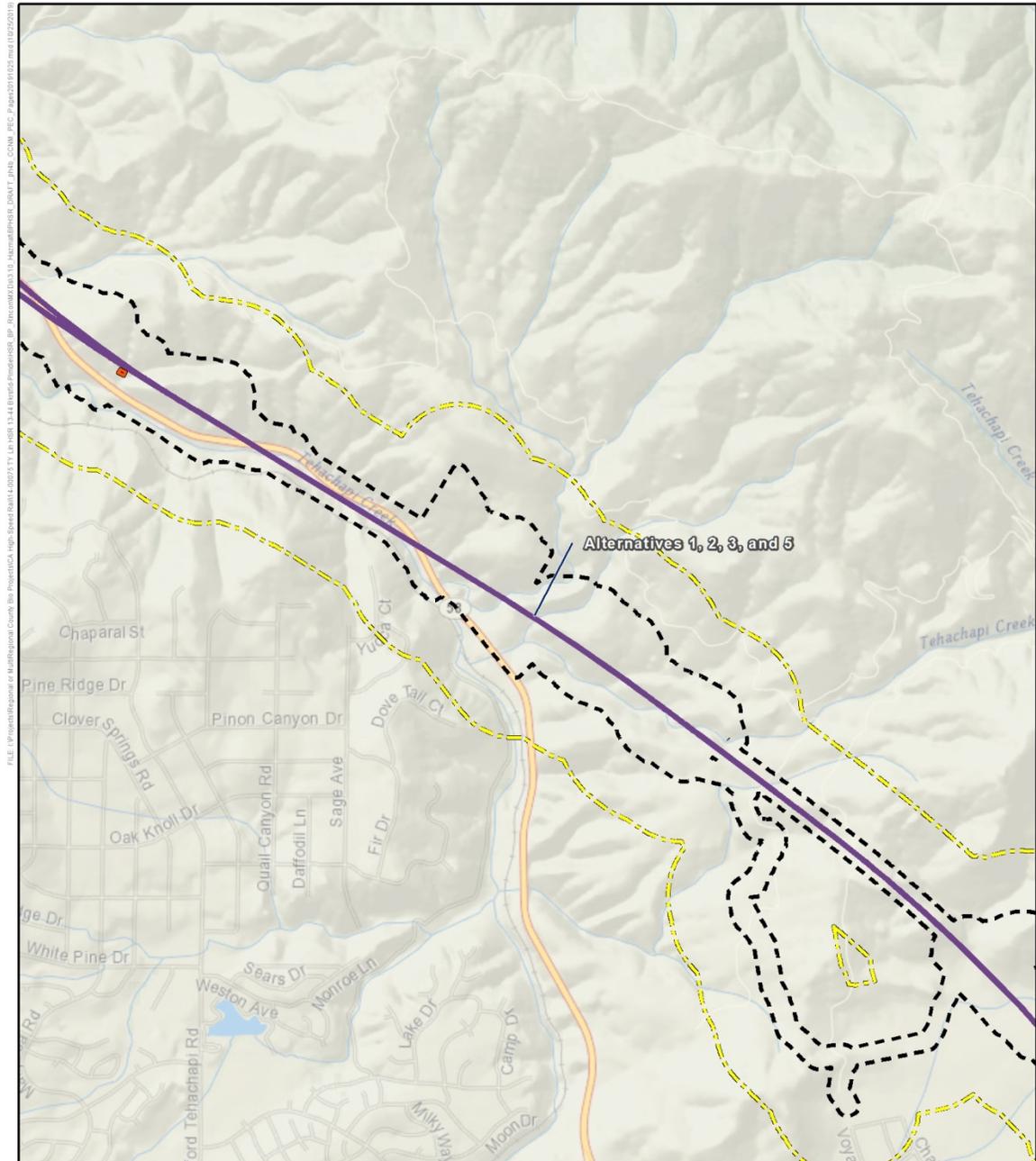


Figure 3.10-A-1 PEC Sites in the RSA (Sheet 8)

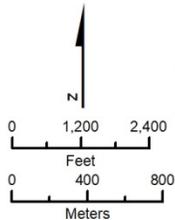


PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

Sheet 9 of 21

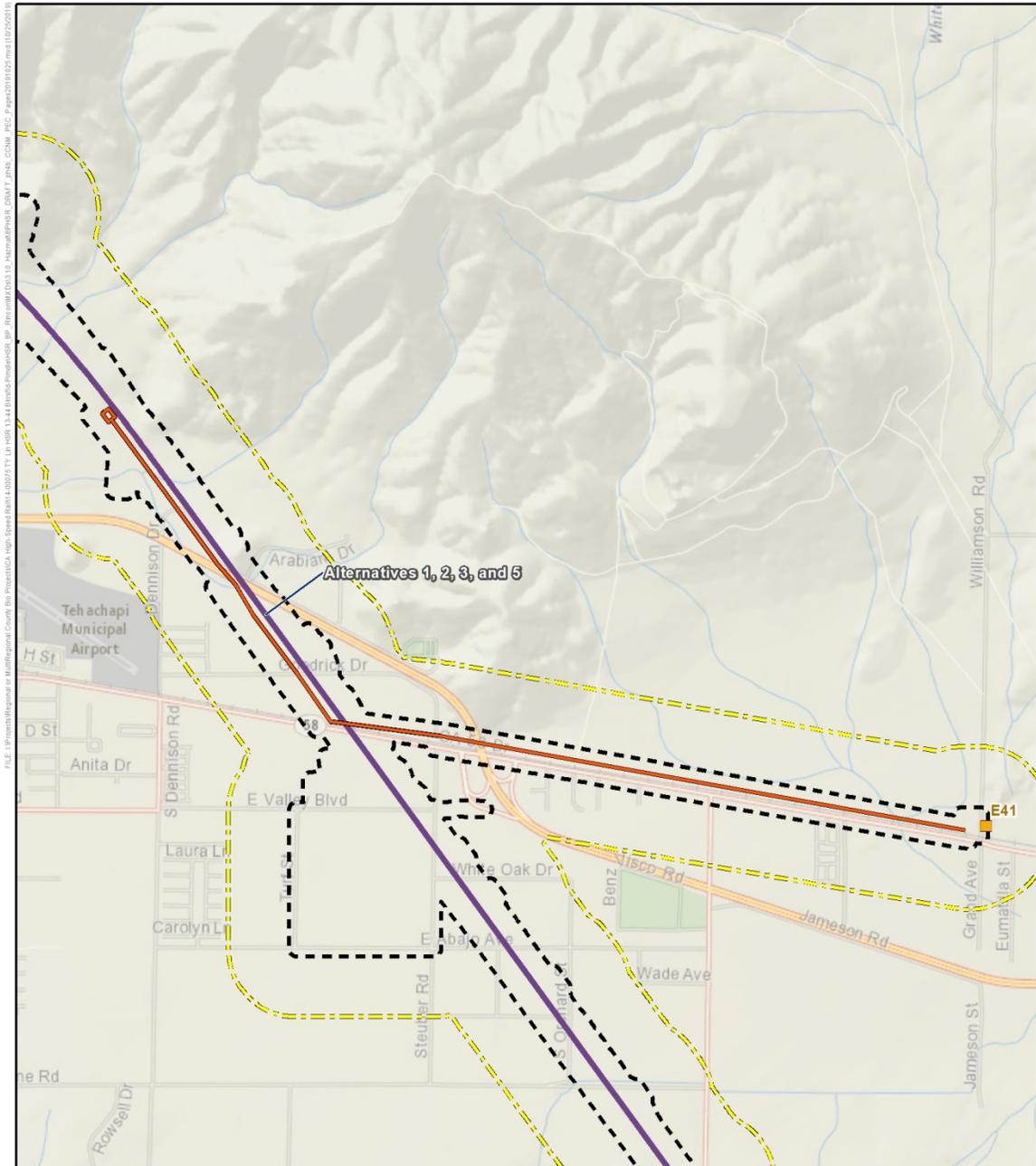
- Bakersfield to Palmdale (Centerlines)
- Study Area (150 ft buffer of construction footprint)
- Educational Facility Study Area (0.25 mile buffer of construction footprint)
- Traction Power Substation



Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).



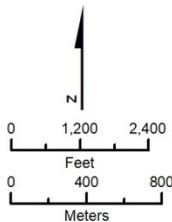
Figure 3.10-A-1 PEC Sites in the RSA (Sheet 9)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

- | | |
|--|----------------|
| Bakersfield to Palmdale (Centerlines) | Ranking |
| Study Area (150 ft buffer of construction footprint) | Moderate Risk |
| Educational Facility Study Area (0.25 mile buffer of construction footprint) | |
| Traction Power Substation | |

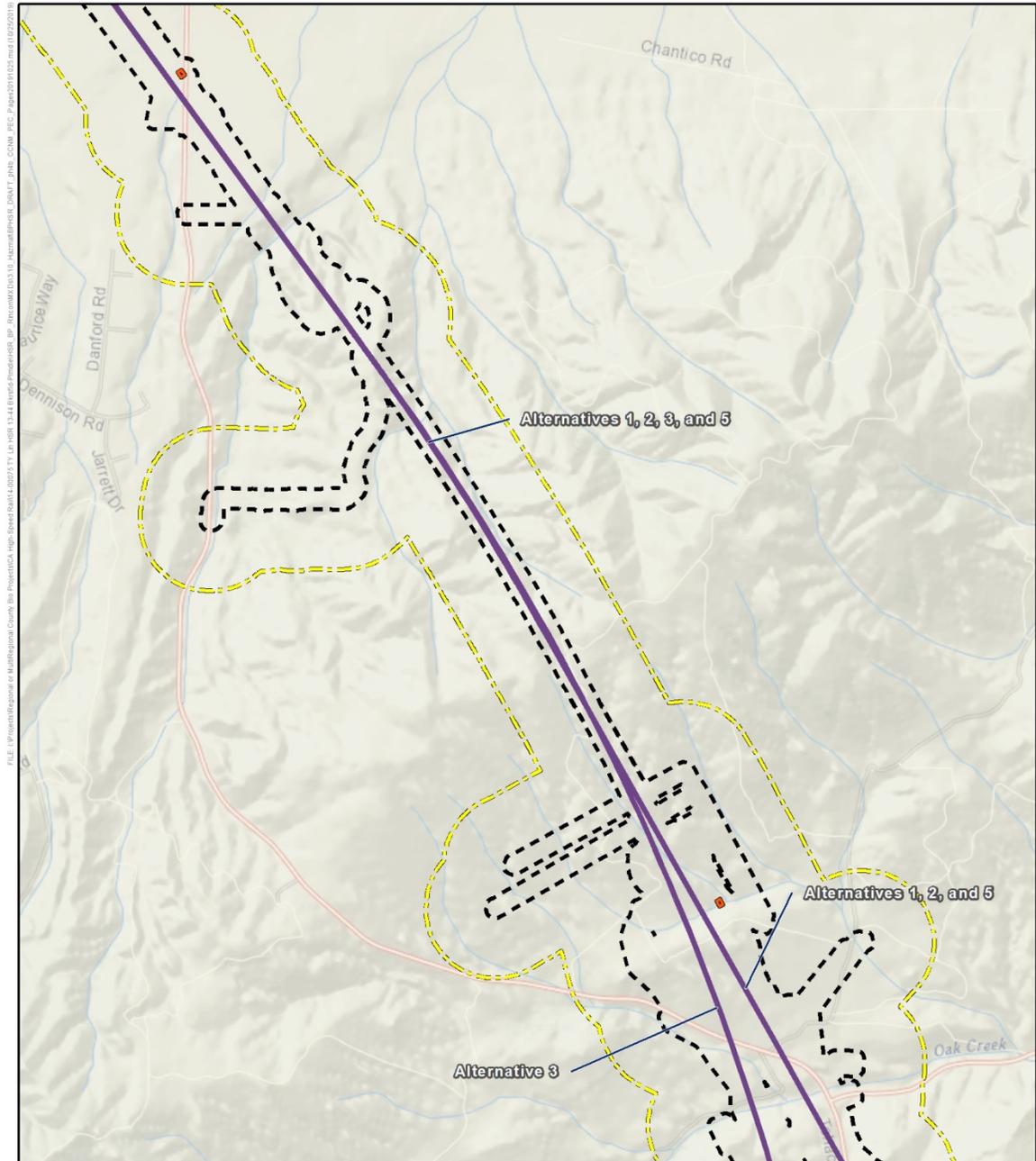


Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 10 of 21

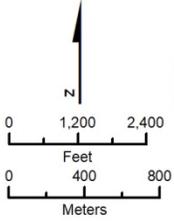


Figure 3.10-A-1 PEC Sites in the RSA (Sheet 10)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019);
 Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).
 October 25, 2019

- Bakersfield to Palmdale (Centerlines)
- Study Area (150 ft buffer of construction footprint)
- Educational Facility Study Area (0.25 mile buffer of construction footprint)
- Traction Power Substation



Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 11 of 21

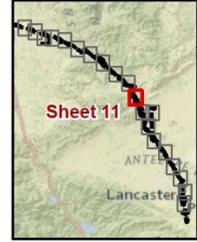
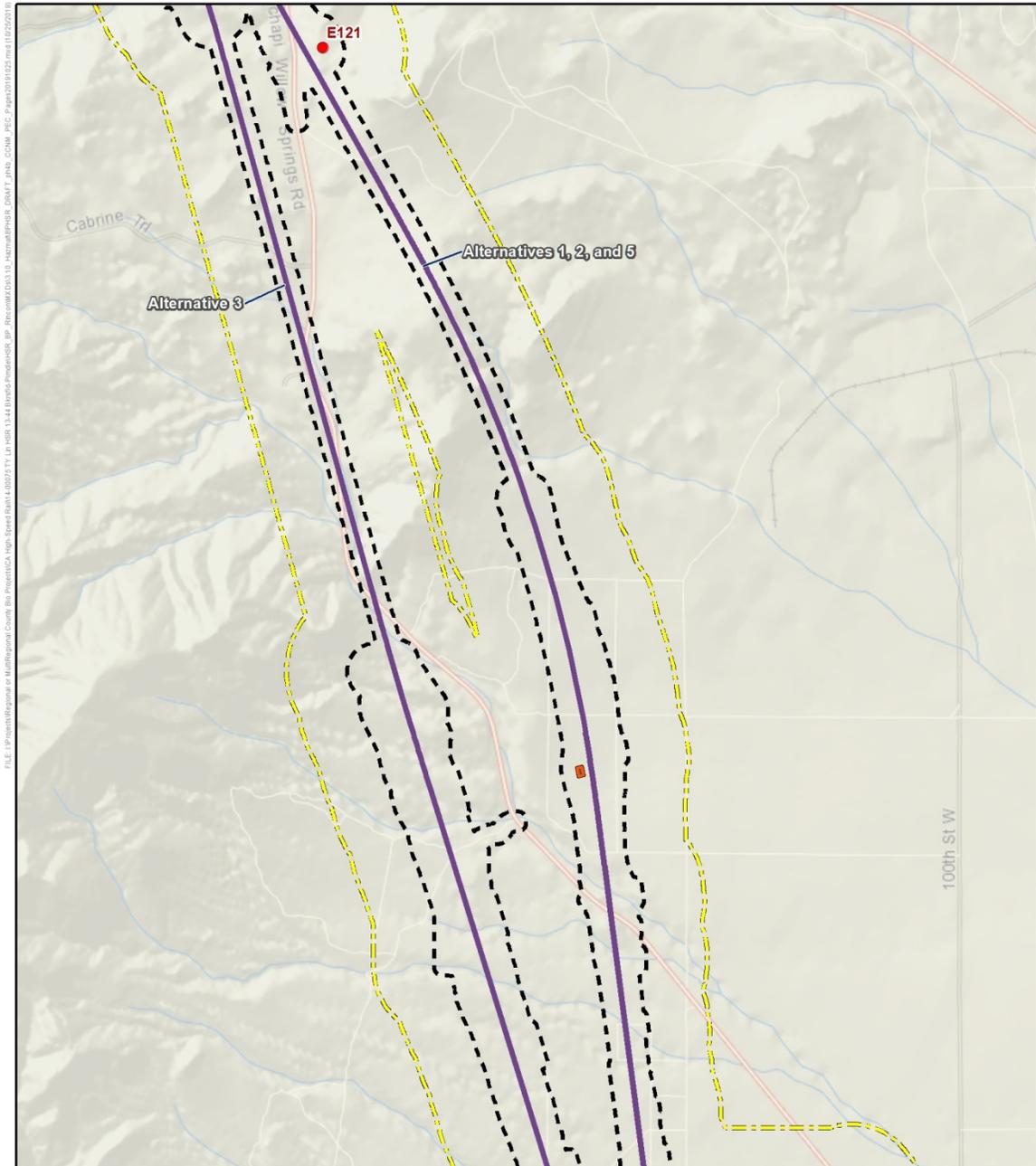


Figure 3.10-A-1 PEC Sites in the RSA (Sheet 11)

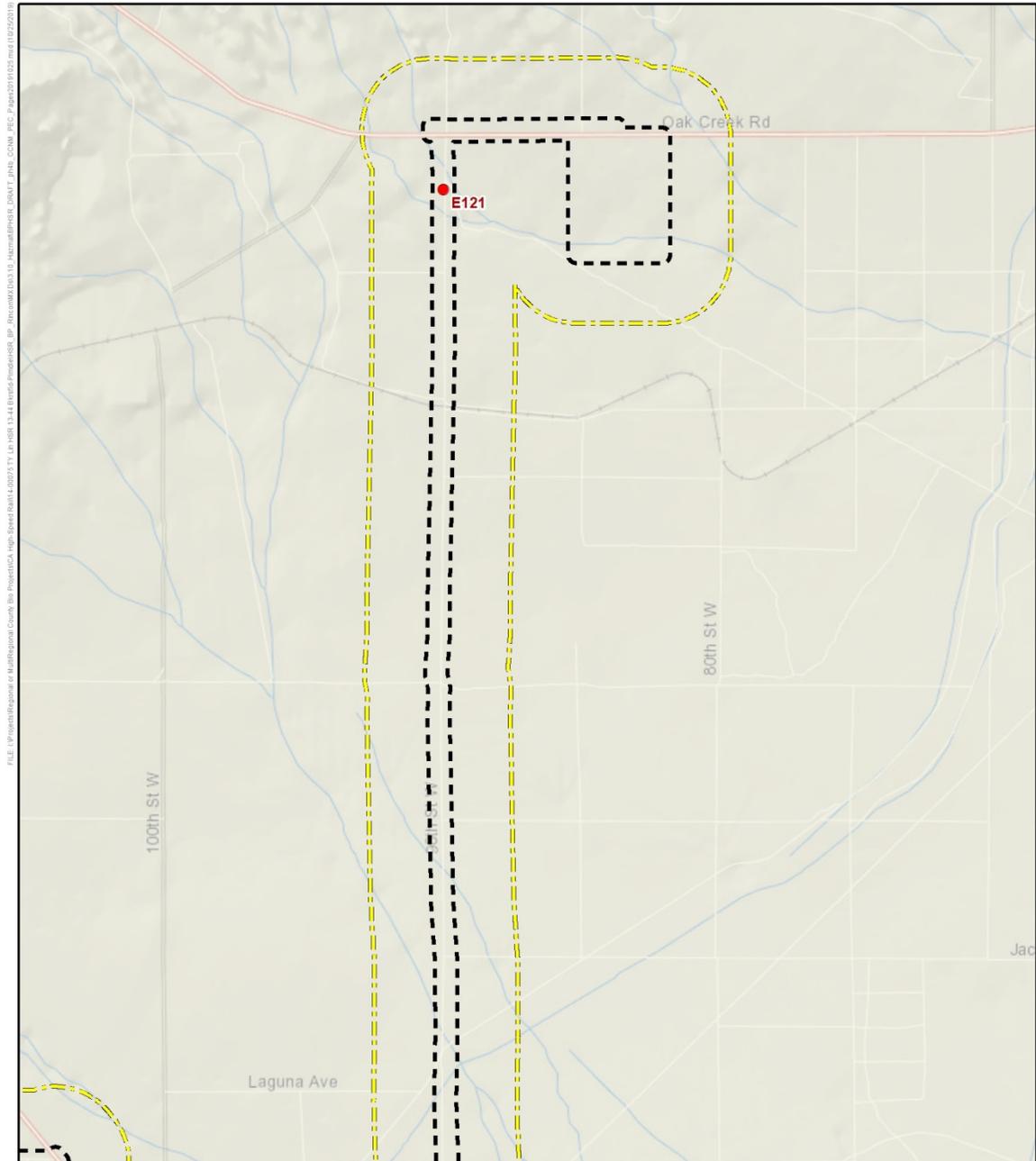


PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).
 October 25, 2019

	<ul style="list-style-type: none"> Bakersfield to Palmdale (Centerlines) Study Area (150 ft buffer of construction footprint) Educational Facility Study Area (0.25 mile buffer of construction footprint) Traction Power Substation 	<p>Ranking</p> <ul style="list-style-type: none"> High Risk 	<p>Sheet 12 of 21</p>
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Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Figure 3.10-A-1 PEC Sites in the RSA (Sheet 12)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

Ranking

- High Risk

Study Area (150 ft buffer of construction footprint)
 Educational Facility Study Area (0.25 mile buffer of construction footprint)

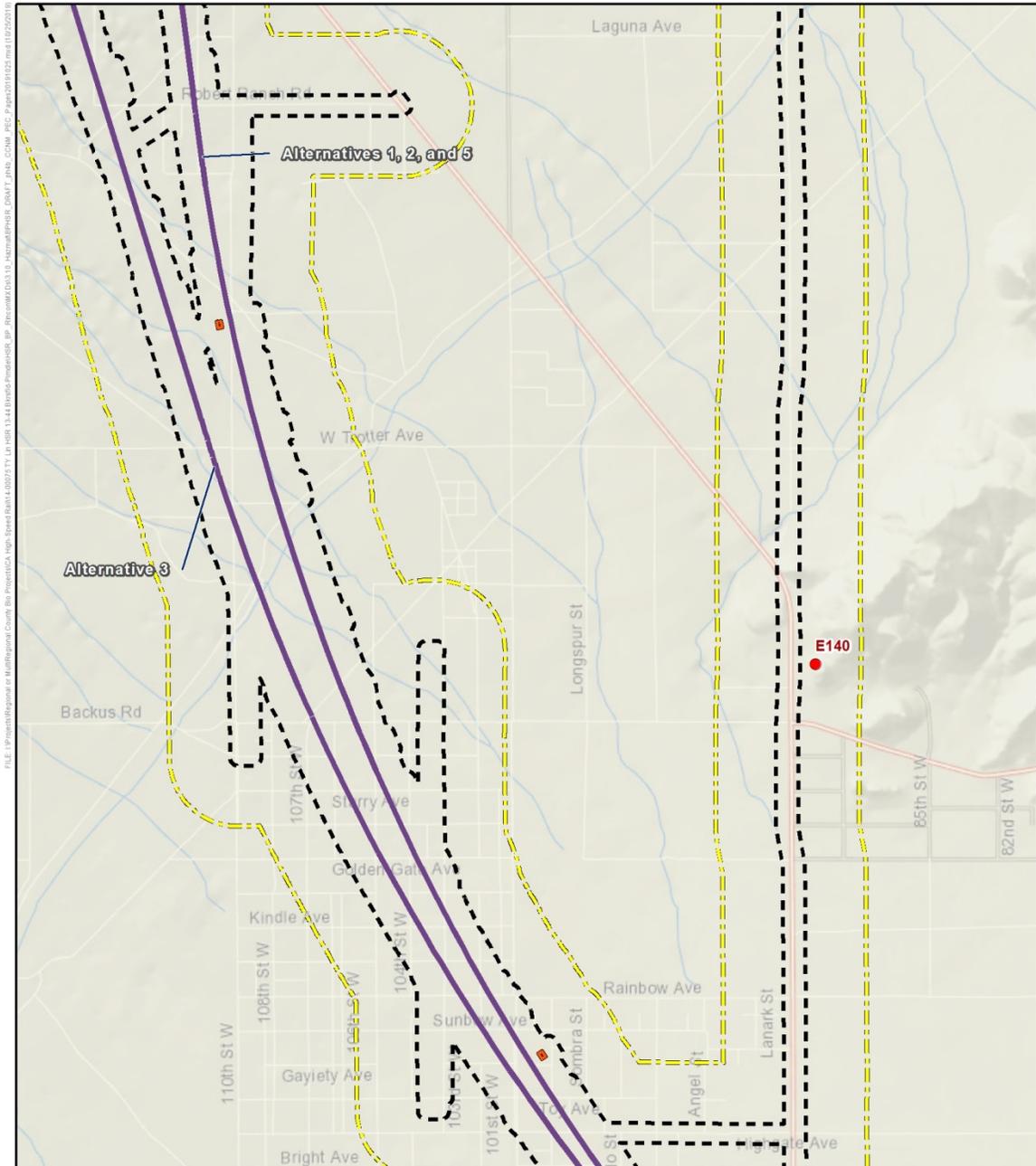
0 1,200 2,400
 Feet
 0 400 800
 Meters

Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 13 of 21



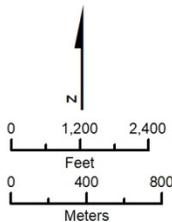
Figure 3.10-A-1 PEC Sites in the RSA (Sheet 13)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

- Bakersfield to Palmdale (Centerlines)
 - Study Area (150 ft buffer of construction footprint)
 - Educational Facility Study Area (0.25 mile buffer of construction footprint)
 - Traction Power Substation
- Ranking**
- High Risk

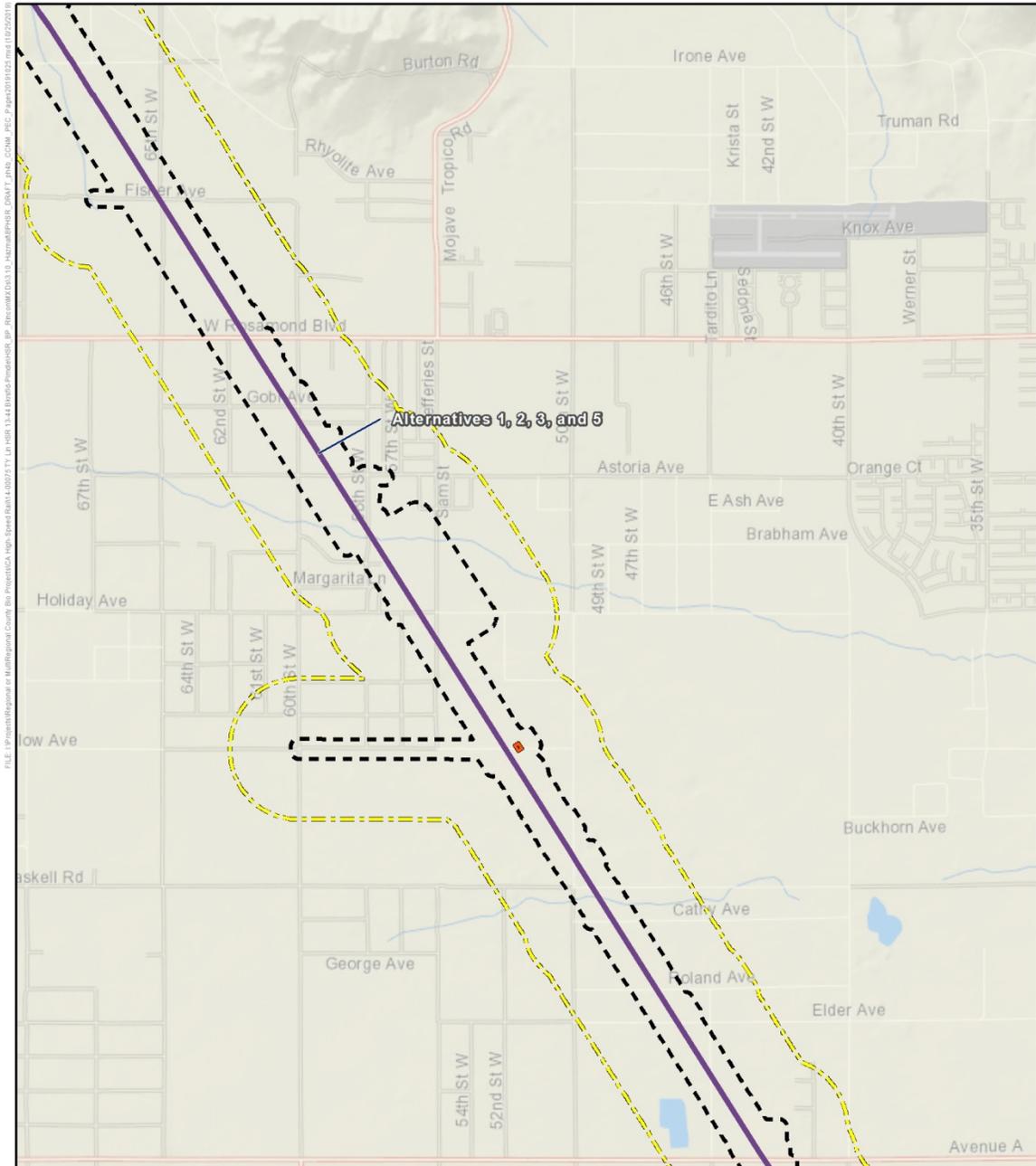


Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 14 of 21



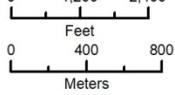
Figure 3.10-A-1 PEC Sites in the RSA (Sheet 14)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

- Bakersfield to Palmdale (Centerlines)
- Study Area (150 ft buffer of construction footprint)
- Educational Facility Study Area (0.25 mile buffer of construction footprint)
- Traction Power Substation



Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 16 of 21



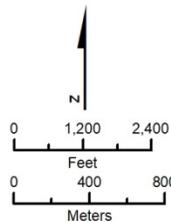
Figure 3.10-A-1 PEC Sites in the RSA (Sheet 16)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

- Bakersfield to Palmdale (Centerlines)
- Study Area (150 ft buffer of construction footprint)
- Educational Facility Study Area (0.25 mile buffer of construction footprint)
- Traction Power Substation
- MOWF Site

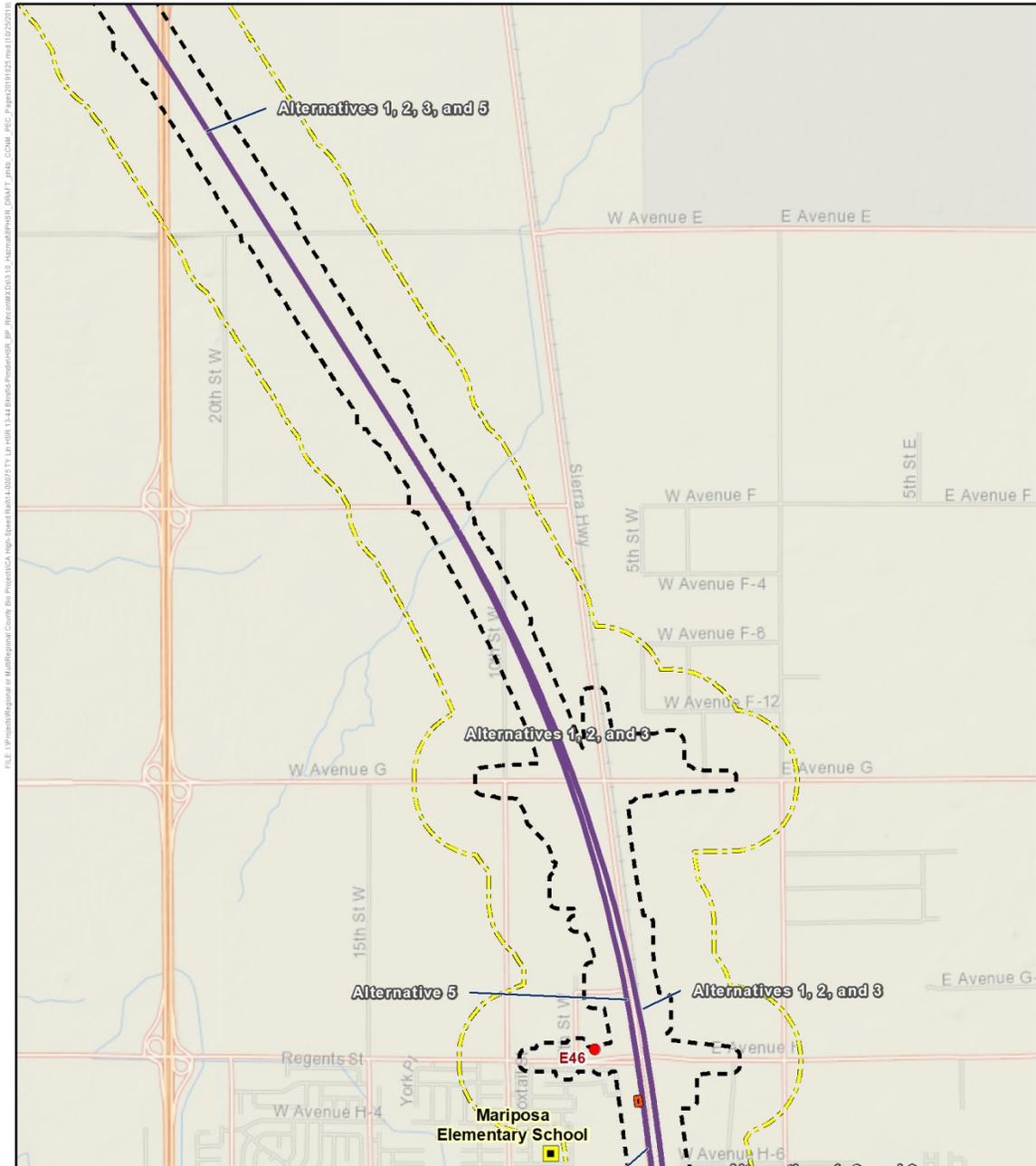


Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 17 of 21



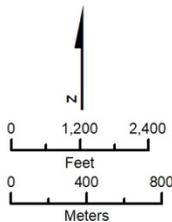
Figure 3.10-A-1 PEC Sites in the RSA (Sheet 17)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

- Bakersfield to Palmdale (Centerlines)
 - Study Area (150 ft buffer of construction footprint)
 - Educational Facility Study Area (0.25 mile buffer of construction footprint)
 - Traction Power Substation
- Ranking**
- High Risk

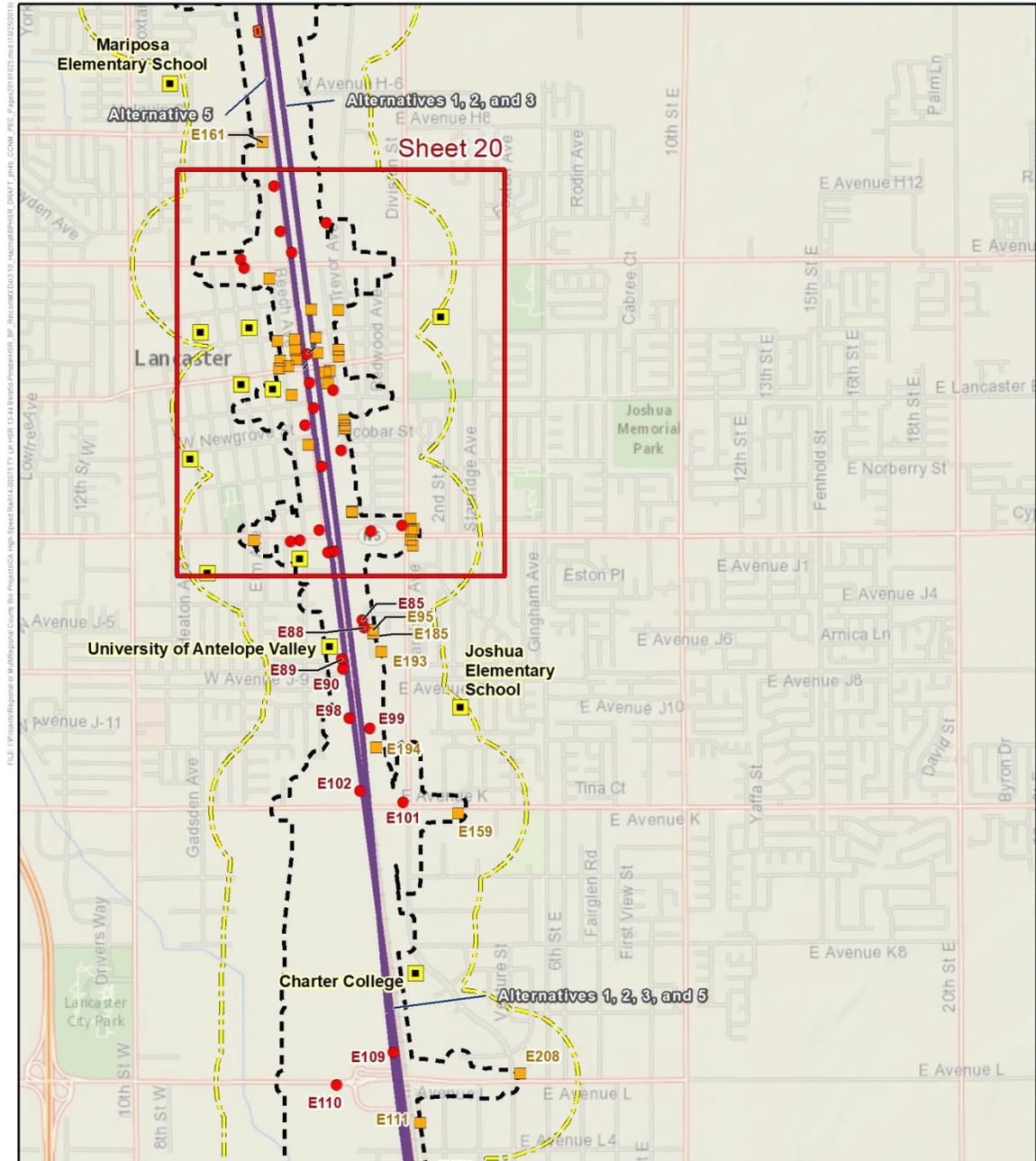


Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 18 of 21

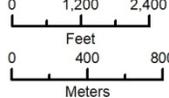
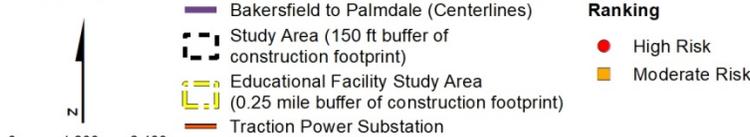


Figure 3.10-A-1 PEC Sites in the RSA (Sheet 18)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019



Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

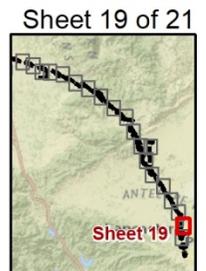
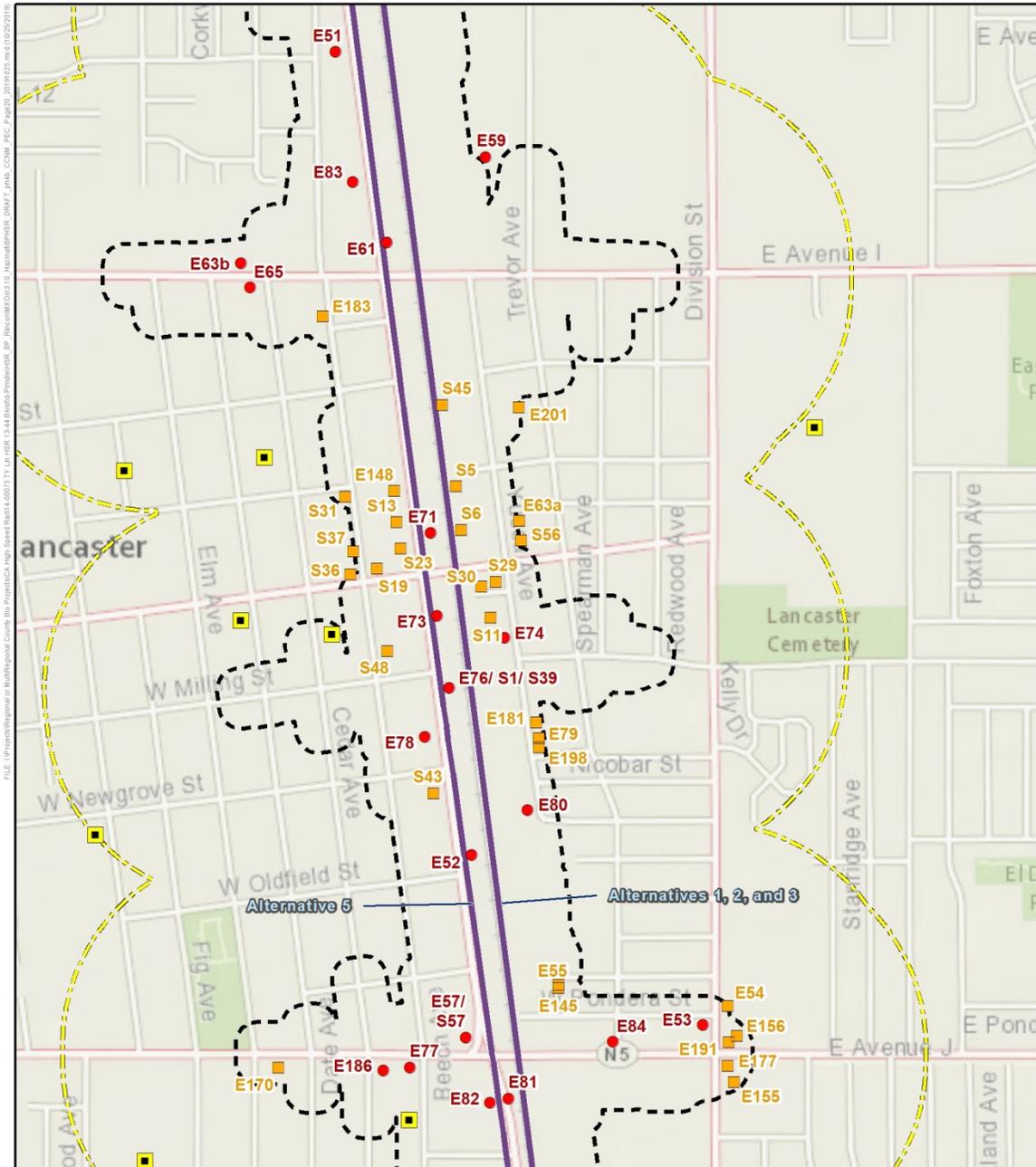


Figure 3.10-A-1 PEC Sites in the RSA (Sheet 19)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).

October 25, 2019

Bakersfield to Palmdale (Centerlines)
 Study Area (150 ft buffer of construction footprint)
 Educational Facility Study Area (0.25 mile buffer of construction footprint)

Ranking
 High Ranking
 Moderate Risk

Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

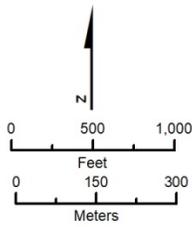
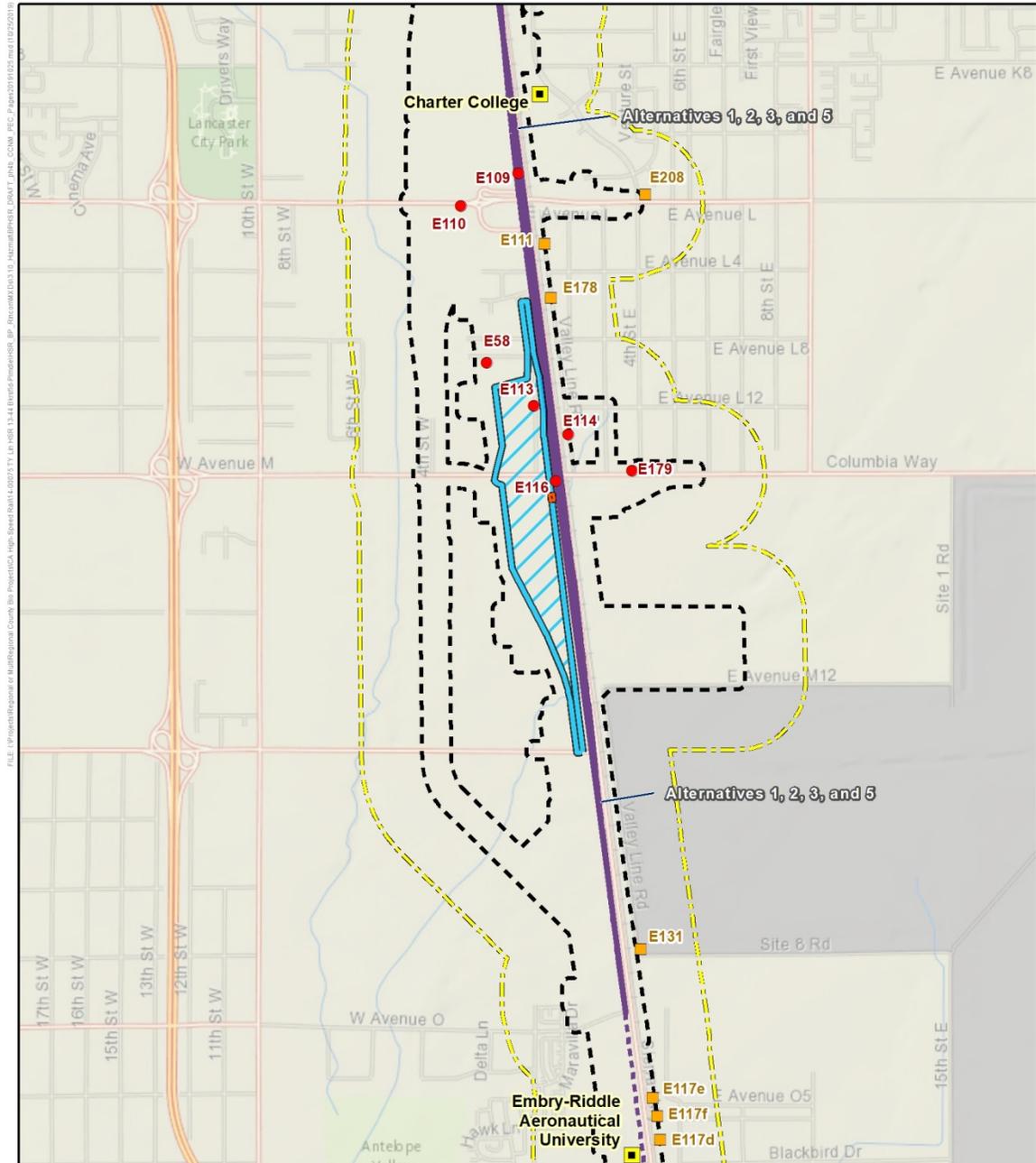


Figure 3.10-A-1 PEC Sites in the RSA (Sheet 20)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Tiger (2015); Phase 4B Engineering data from CHSRA (10/2019); Environmental Data Resources, Inc. (2015 and 2016); Sanborn (2015).
 October 25, 2019

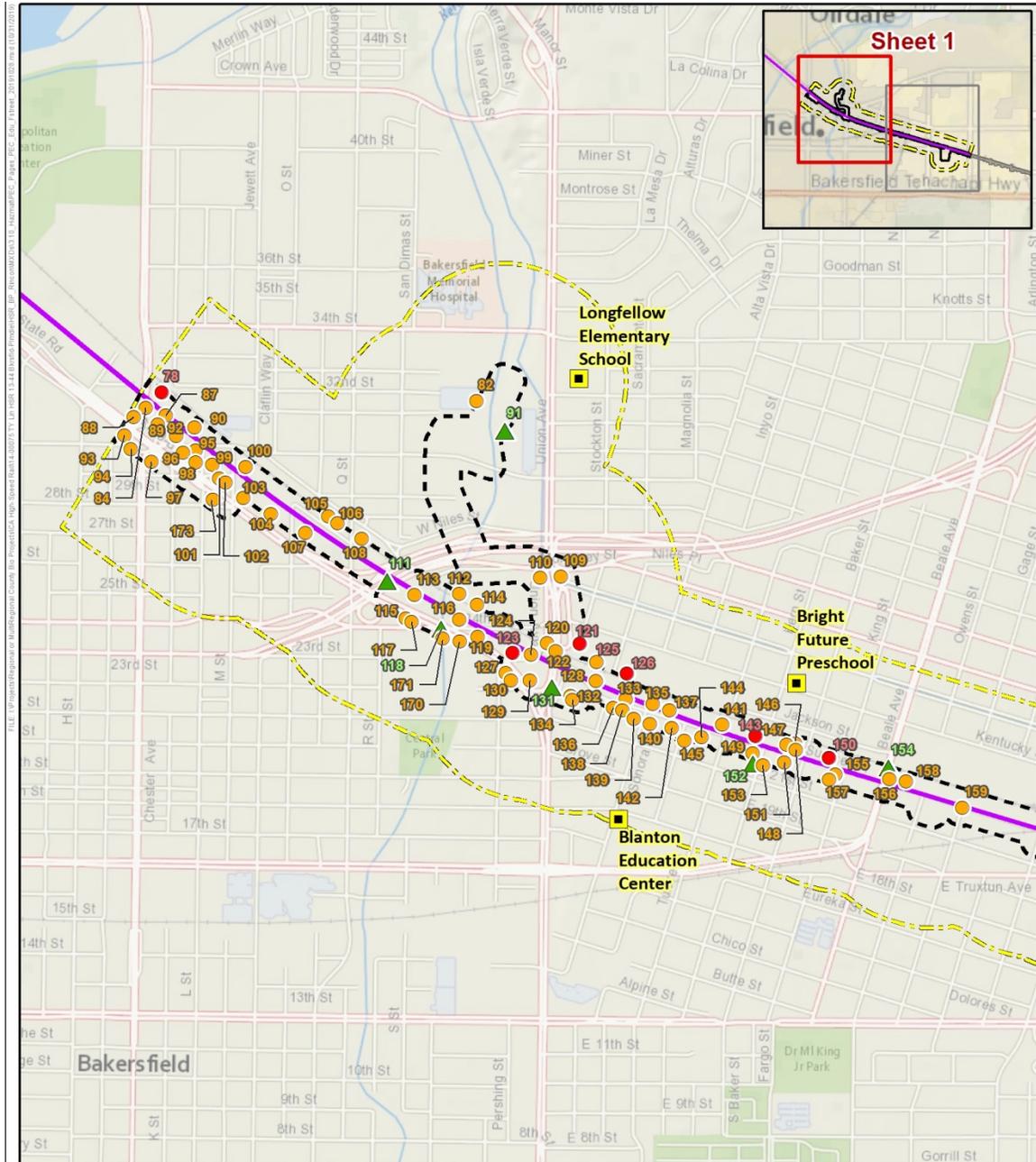
Bakersfield to Palmdale (Centerlines)
 Study Area (150 ft buffer of construction footprint)
 Educational Facility Study Area (0.25 mile buffer of construction footprint)
 Traction Power Substation
 Antelope Valley LMF

Ranking
 High Risk
 Moderate Risk

Sites labeled S# are from the Sanborn maps.
 Sites with E# are from the EDR database (Authority 2016: 6-14 to 6-47).

Sheet 21 of 21

Figure 3.10-A-1 PEC Sites in the RSA (Sheet 21)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED

SOURCE: Esri/National Geographic (2019); Kern County (2015); PHase 4B Engineering data from CHSRA, (10/2019); CDE(2015); Environmental Data Resources, Inc. (2015); Sanborn (2015).

October 31, 2019

Sheet 1 of 2

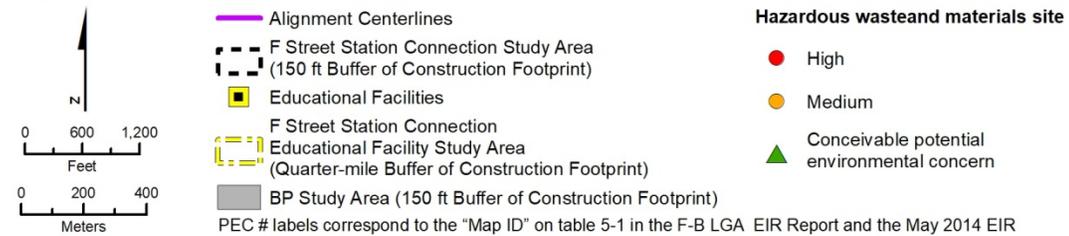
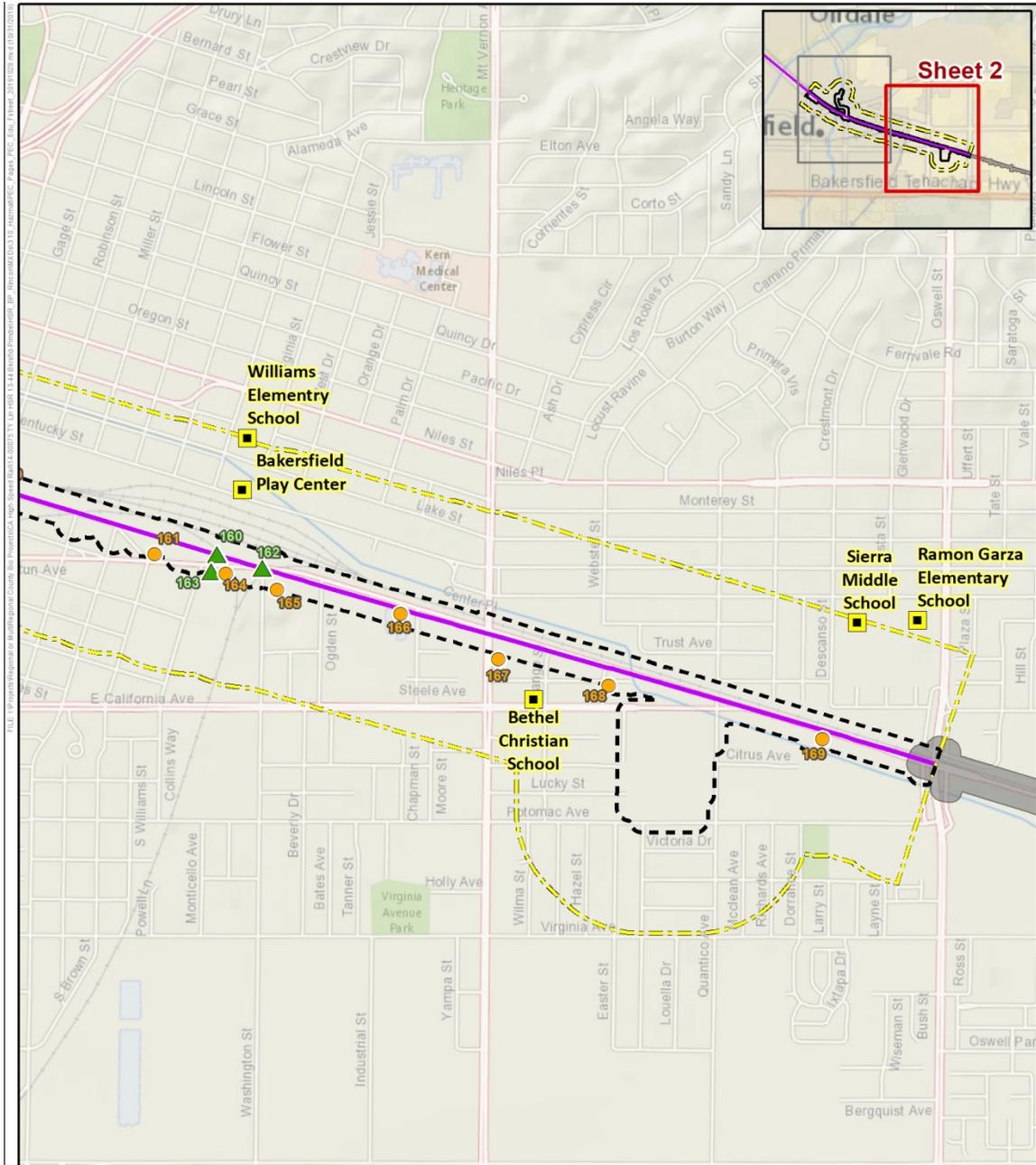


Figure 3.10-A-2 PEC Sites in the Bakersfield Station Resource Study Area (Sheet 1)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: Esri/National Geographic (2019); Kern County (2015); PHase 4B Engineering data from CHSRA, (10/2019);
 CDE(2015); Environmental Data Resources, Inc. (2015); Sanborn (2015).

October 31, 2019
 Sheet 2 of 2

	<ul style="list-style-type: none"> — Alignment Centerlines F Street Station Connection Study Area (150 ft Buffer of Construction Footprint) Educational Facilities F Street Station Connection Educational Facility Study Area (Quarter-mile Buffer of Construction Footprint) BP Study Area (150 ft Buffer of Construction Footprint) 	<ul style="list-style-type: none"> ● Medium ▲ Conceivable potential environmental concern
--	---	--

PEC # labels correspond to the "Map ID" on table 5-1 in the F-B LGA EIR Report and the May 2014 EIR

Figure 3.10-A-2 PEC Sites in the Bakersfield Station Resource Study Area (Sheet 2)

