Print Form

Appendix C

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

Project Title: College Heights Cottages

Lead Agency: County of Kern Planning and Natural Resources Department
Contact Person: Lonnie Bell
Mailing Address: 2700 M Street, Suite 250
Phone: 661 862-8659
City: Bakersfield
Zip: 93301-2323
County: Kern County

Project Location: County: Kern County
City/Nearest Community: Bakersfield
Cross Streets: Water Street and River Boulevard
Zip Code: 93305
Longitude/Latitude (degrees, minutes and seconds): 35 ° 23 ′ 45.96 ″ N / 118 ° 59 ′ 2.40 ″ W
Total Acres: 1.25
Assessor's Parcel No.: 126-042-06
Section: 21 Twp.: 29S Range: 28E Base: MDBM
Within 2 Miles: State Hwy #: 178
Waterways: None
Airports: None
Railways: None
Schools: Yes

Document Type:

CEQA:
- ☐ NOP
- ☐ Early Cons
- ☐ Neg Dec
- ☐ Mit Neg Dec
- ☐ Draft EIR
- ☐ Supplement/Subsequent EIR (Prior SCH No.) _____
- Other: _____

NEPA:
- ☐ NOI
- ☒ EA
- ☐ Draft EIS
- ☐ FONSI

Other:
- ☒ Joint Document
- ☐ Final Document
- ☐ Other: _____

Local Action Type:

- ☐ General Plan Update
- ☐ General Plan Amendment
- ☐ General Plan Element
- ☐ Community Plan
- ☐ Specific Plan
- ☐ Master Plan
- ☐ Planned Unit Development
- ☐ Site Plan
- ☐ Rezone
- ☐ Prezone
- ☐ Use Permit
- ☐ Land Division (Subdivision, etc.)
- ☐ Annexation
- ☐ Redevelopment
- ☐ Coastal Permit
- ☒ Other: EA/MND

Development Type:

- ☒ Residential: Units 32 Acres 1.25
- ☐ Office: Sq.ft. _____ Acres _____ Employees _____
- ☐ Commercial: Sq.ft. _____ Acres _____ Employees _____
- ☐ Industrial: Sq.ft. _____ Acres _____ Employees _____
- ☐ Educational: _____
- ☐ Recreational: _____
- ☐ Water Facilities: Type _____ MGD _____
- ☐ Transportation: Type _____
- ☐ Mining: Mineral _____
- ☐ Power: Type _____ MW _____
- ☐ Waste Treatment: Type _____ MGD _____
- ☐ Hazardous Waste: Type _____
- ☐ Other: _____

Project Issues Discussed in Document:

- ☐ Aesthetic/Visual
- ☐ Agricultural Land
- ☒ Air Quality
- ☒ Archeological/Historical
- ☒ Biological Resources
- ☐ Coastal Zone
- ☒ Drainage/Absorption
- ☒ Economic/Jobs
- ☐ Fiscal
- ☒ Flood Plain/Flooding
- ☐ Forest Land/Fire Hazard
- ☐ Geologic/Seismic
- ☐ Minerals
- ☒ Noise
- ☒ Population/Housing Balance
- ☒ Public Services/Facilities
- ☒ Recreation/Parks
- ☐ Schools/Universities
- ☐ Septic Systems
- ☒ Sewer Capacity
- ☒ Soil Erosion/Compaction/Grading
- ☐ Solid Waste
- ☒ Toxic/Hazardous
- ☒ Traffic/Circulation
- ☒ Vegetation
- ☒ Water Quality
- ☒ Water Supply/Groundwater
- ☐ Wetland/Riparian
- ☒ Growth Inducement
- ☒ Land Use
- ☒ Cumulative Effects
- ☐ Other: _____

Present Land Use/Zoning/General Plan Designation:

Currently vacant, C-2

Project Description: *(please use a separate page if necessary)*

The Project consists of the design, engineering and construction of a new 32-unit affordable housing development to include 14 NPLH units located adjacent to the east of 2501 River Boulevard (zoned C-2, Parcel Number: 126-042-06). Sixteen (16) of the units will be one-bedroom, sixteen (16) of the units will be two-bedroom and restricted to households less than 60% of AMI, including a combined 14 units of permanent supportive housing for households eligible under the "No Place Like Home" program. The site is close to amenities, including public transit, grocery stores, a pharmacy, and parks.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with and "**X**".
If you have already sent your document to the agency please denote that with an "**S**".

X Air Resources Board
___ Boating & Waterways, Department of
___ California Emergency Management Agency
X California Highway Patrol
X Caltrans District #6
___ Caltrans Division of Aeronautics
___ Caltrans Planning
X Central Valley Flood Protection Board
___ Coachella Valley Mtns. Conservancy
___ Coastal Commission
___ Colorado River Board
___ Conservation, Department of
___ Corrections, Department of
X Delta Protection Commission
___ Education, Department of
___ Energy Commission
X Fish & Game Region #4
___ Food & Agriculture, Department of
___ Forestry and Fire Protection, Department of
___ General Services, Department of
___ Health Services, Department of
X Housing & Community Development
X Native American Heritage Commission

X Office of Historic Preservation
___ Office of Public School Construction
X Parks & Recreation, Department of
___ Pesticide Regulation, Department of
X Public Utilities Commission
X Regional WQCB #5
___ Resources Agency
___ Resources Recycling and Recovery, Department of
___ S.F. Bay Conservation & Development Comm.
___ San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
___ San Joaquin River Conservancy
___ Santa Monica Mtns. Conservancy
___ State Lands Commission
___ SWRCB: Clean Water Grants
___ SWRCB: Water Quality
___ SWRCB: Water Rights
___ Tahoe Regional Planning Agency
___ Toxic Substances Control, Department of
X Water Resources, Department of

___ Other: ___
___ Other: ___

Local Public Review Period (to be filled in by lead agency)

Starting Date 1/10/20 Ending Date 2/10/20

Lead Agency (Complete if applicable):

Consulting Firm: n/a
Address: n/a
City/State/Zip: n/a
Contact: n/a
Phone: n/a

Applicant: Housing Authority of the County of Kern
Address: 601 24th Street
City/State/Zip: Bakersfield, CA 93301
Phone: 661-631-8500

Signature of Lead Agency Representative: ___ **Date:** 1/6/20

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

U.S. Department of Housing and Urban Development
451 Seventh Street, SW
Washington, DC 20410
www.hud.gov

espanol.hud.gov

Environmental Assessment
Determinations and Compliance Findings for HUD-assisted Projects
24 CFR Part 58

Project Information

Project Name: College Heights Cottages Affordable Housing Project

Responsible Entity: County of Kern

Grant Recipient (if different than Responsible Entity): Housing Authority of the County of Kern

State/Local Identifier: California

Preparer: Lonnie Bell, AICP, Supervising Planner

Certifying Officer Name and Title: Lorelei H. Ovaitt, AICP, Director of Planning and Natural Resources Department

Grant Recipient (if different than Responsible Entity): Housing Authority of the County of Kern

Consultant (if applicable): N/A

Direct Comments to: Lonnie Bell, AICP, Supervising Planner

Project Location: Adjacent to the east of 2501 River Boulevard, Bakersfield, Assessors Parcel No. 126-042-06.

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]: The Project consists of the design, engineering and construction of a new 32-unit affordable housing development units located adjacent to the east of 2501 River Boulevard (zoned C-2, Parcel Number: 126-042-06). Sixteen (16) of the units will be one-bedroom, sixteen (16) of the units will be two-bedroom and all the units will be restricted to households less than 60% of AMI, including a combined 14 units of permanent supportive housing for households eligible under the "No Place Like Home" program. The site is close to amenities, including public transit, grocery stores, a pharmacy and parks.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]: The Kern County Homeless Collaborative reports 1,330 unduplicated homeless people were counted countywide in both shelters and streets on the night of January 30, 2019. As a part of the Cost Benefit Analysis of the Housing First Approach, 31 homeless people were interviewed to determine if their use of emergency medical services, hospitalization and criminal justice system involvement had changed since they were homeless and first assessed for housing placement. These interviews show that utilization and costs of most services declined dramatically during the first six months that people resided in permanent housing. Combined decreases in the areas surveyed at five different locations in Kern County amounted to a total of $731,534 for 31 households (containing 37 adults and four children) in a six-month period. Interactions with police also decreased dramatically by 91%, from 260 interactions down to 24 interactions and arrests also dropped by 50%, although cost savings could not be calculated in either case. As can be seen by the information provided above, it is more cost effective to house homeless people than to leave them on the streets or in shelters (Cost Benefit Analysis of the Housing First Approach, 2018).

Existing Conditions and Trends [24 CFR 58.40(a)]: There has been a 50% increase over the 885 homeless people counted in January 2018, a 118% increase in the number of homeless people—typically single adults—who were unsheltered on the night in question. By comparison, there was 2% increase in the number of people sleeping in emergency shelters and transitional housing programs over the same time period. A lack of available housing has been identified as a major barrier to the local homeless population, limiting opportunities within the community, including education and employment. In 2018, Proposition 2 was approved, which authorized the provision of additional funding for the construction of housing for the homeless. Wherever possible, the developments will utilize sources of funding currently made available for additional homeless housing through local, State and federal resources.

Funding Information

Grant Number	HUD Program	Funding Amount
TBD	HOME	$1,450,000

Estimated Total HUD Funded Amount: $1,450,000

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: $7,808,060

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders,	Are formal compliance steps or	Compliance determinations

and Regulations listed at 24 CFR §58.5 and §58.6	mitigation required?	
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes ☐ No ☒	There are no military airports within 15,000 feet of the Project parcels and no civilian airports within 2,500 feet of the Project. The closest airport is the Meadows Field Airport, a civilian airport more than three miles away from the site. Thus, the Project complies with this statute.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No ☒	The County of Kern is located in HUD Region IX. No coastal barrier resources are located in the Region. The site is not located within an identified CBRS zone (see attached map). Therefore, no further evaluation for compliance with this factor required.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes ☐ No ☒	According to NEPAssist and FEMA's Flood Rate Insurance Map (FIRM) Map No. 06029C1840E, dated effective September 26, 2008, no portion of the Project is located within a Special Flood Hazard Area (SFHA). The site is within an area designated as Zone X, having a less than 2% annual chance of flooding. Consequently, no flood insurance is required to be obtained or maintained for implementation of the project.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes ☒ No ☐	The project will be a new source of Criteria Pollutants. The Project is located within the jurisdiction of the San Joaquin Valley Air Pollution Control District (District). The District is in non-compliance for certain regulated criteria pollutants including; non-attainment status for Particulate Matter (PM) 2.5 and classified as non-attainment/extreme for the federal Ozone – Eight Hour standard. The San Joaquin Valley Unified Air Pollution Control District (District) has reviewed the project referenced above and was consulted in

		regards to the project proposal and the area of effect. As to the projects related emissions of any criteria air pollutants, the District noted the following: Based on the proposed scope of activities to be undertaken, project specific annual emissions of criteria pollutants are not expected to exceed any of the following District significance thresholds: 100 tons per year of carbon monoxide (CO), 10 tons per year of oxides of nitrogen (NOx), 10 tons per year of reactive organic gases (ROG), 27 tons per year of oxides of sulfur (SOX), 15 tons per year of particulate matter of 10 microns or less in size (PM 10), or 15 tons per year of particulate matter of 2.5 microns or less in size (PM 2.5). Therefore, the District concludes that the Project would have ***a less than significant impact on air quality*** when compared to the above-listed annual criteria pollutant emissions significance thresholds. Therefore, the project impacts on air quality are considered "**de minimis**" since the project will not significantly contribute to a decline in air quality. Nevertheless, the development has the potential to be a source of dust and related air contaminants within and in the vicinity of the project. Furthermore, the District has noted that the Project *conforms to the EPA approved State Implementation Plan* and the proposed Project would not be subject to District Rule 9510 (Indirect Source Review). Since the project is limited to new construction of vacant lots, the project will not require demolition; nevertheless, the District noted: *In the event that any portion of an existing building will be renovated, partially demolished or removed, the Project will be subject to District Rule 4002 (National Emission Standards for Hazardous Air Pollutants). Prior to any demolition activity, an asbestos survey of existing structures on the Project site may be required to identify the*

		presence of any asbestos containing building material (ACBM). In addition to the above requirements, the District noted the proposed Project may be subject to the following District rules: *Regulation Vlll (Fugitive PM 1O Prohibitions), Rule 4002, Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations).* In addition, the District noted that it recommended that the applicant be provided a copy of the District's comments. Responsible entity Staff will provide the applicant with District comments.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes ☐ No ☒	The County of Kern is located within HUD Region IX. The entire County is landlocked and shares no geographic boundaries with any coastal zone (see attached map). Thus, no further analysis for compliance with this required.
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes ☒ No ☐	Krazan & Associates, Inc. (Krazan) conducted a Phase I Environmental Site Assessment (ESA) of the site. No evidence of recognized environmental conditions (RECs), controlled RECs (CRECs), and historical RECs (HRECs) in conjunction with the subject site as defined by ASTM E-1527-13 was found In addition to Krazan's ESA, three other databases were searched to identify potential hazardous waste generators within 1,000 feet of the site: NEPAssist – federal database that draws data from EPA GIS, EnviroStor Map – State's Department of Toxic Substances Control's data management system, GeoTracker - State Water Boards' data management system for sites that impact, or have the potential to impact, water quality in California. There are three RCRA sites (7-11 Store #21481, On The Go Food Store, and Texaco

		Food Mart) identified within 1,000 feet but no violations have been reported at any of the aforementioned sites within the last 24 months.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes ☒ No ☐	In accordance with Section 7 of the Endangered Species Act, the United States Fish and Wildlife Service (FWS) Environmental Conservation Online System (ECOS) generated a species list for each parcel included within the Project, on June 19, 2019 (College Heights Cottages Consultation Code: 08ESMF00-2020-SLI-0096, event code: 08ESMF00-2020-E-00270. According to the species lists, there are a total of eleven threatened, endangered, or candidate species in the geographic vicinity of the project area: San Joaquin Kit Fox, Tipton Kangaroo Rat, Southwestern Willow Flycatcher, Blunt-nosed Leopard Lizard, Giant Garter Snake, California Red-legged Frog, Delta Smelt, Vernal Pool Fairy Shrimp, Bakersfield Cactus, California Jewelflower, San Joaquin Wooly-threads. The list noted there are no endangered habitats in the Project area. To analyze potential effects of the project on the aforementioned species, a Biological Clearance Survey (BCS) was performed at the site in December 2019. The purpose of the BCS is to document biological resources identified during a field survey of the Area of Potential Effects (APE), and evaluate potential for special-status biological resources not observed during the survey to occur on the property based on the habitat conditions observed. In addition, avoidance and minimization measures are recommended for implementation prior to and during project activities to reduce potential impacts to special-status species that may be encountered. Results and recommendations from the BCS are below: The Project site is located in unincorporated Kern County, and it is within the Metropolitan Bakersfield Habitat Conservation Plan area (MBHCP) (City of

		Bakersfield and County of Kern, 1994). As required by the MBHCP and associated Metropolitan Urban Development Incidental Take Permit (ITP) No. 2081-2013-058-04, Metropolitan Bakersfield is subject to compliance with the take minimization measures defined by the California Department of Fish and Wildlife (CDFW) and the United States Fish and Wildlife Service (USFWS) contained within those documents. The Project site is located on a vacant lot with a chain link fence surrounding the property. The Project site is previously disturbed and is primarily composed of ruderal vegetation. Land use to the east, west, and north of the Project area are commercial buildings. Land use to the south of the Project site is a paved road, Water Street, with residential housing to the south (see Attachment A: Figure 2). Discarded trash, household products, and green waste were scattered throughout the property, and evidence of a transient encampment on the north end of the Project site was noted. No wildlife was observed at the time of the biological survey; however, domestic dog (Canis lupus) remains were observed on site. Table 1 provides a list of plant species observed on the Project site. *Protected Species Level Review* San Joaquin Kit Fox (Vulpes macrotis mutica): No active or inactive dens of the San Joaquin kit fox were found on the Project site or within the 50-foot buffer area. No potential dens or other sign (tracks, prey remains, scat, etc.) were observed during the survey. Although there was no sign that San Joaquin kit fox inhabit the Project site, the species is known to occur in the vicinity of the site and could potentially be present from time to time as foraging transients.

		San Joaquin antelope squirrel (Ammospermophilus nelsoni): No San Joaquin antelope squirrels were observed. In addition, no burrows were present on the Project site or within the 50-foot buffer area. The Project is located outside of the species known range; therefore, this species was determined to be absent from the Project site. Tipton Kangaroo Rat (Dipodomys ingens): No burrows or sign of Tipton kangaroo rat were observed on the Project site or within the 50-foot buffer area. The Project is located outside of the species known range; therefore, the species was determined to be absent from the Project site. Western Burrowing Owl (Athene cunicularia): There were no burrows found on the Project site that could potentially be occupied by the western burrowing owl. No western burrowing owl sign was observed on the Project site or within the 50-foot buffer area. This species was determined to be absent from the Project site. Nesting bird: No nesting birds were found within the project area or 50-foot buffer. In conclusion, the Project site and surrounding area is absent of suitable habitat that could support any covered species. The FWS Species List indicate there are no critical habitats for the aforementioned species within the APE. No listed species or their sign was observed within the proposed Project site or within the 50-foot-wide survey buffer. Therefore, it was determined that covered species are not present on the Project site, with the possible exception of the San Joaquin kit fox, which could be present as a temporary forager from time to time. The Project site is in the central Bakersfield area with commercial buildings and residential housing surrounding the site, limiting suitable sites for listed species to occur. Protection measures as identified in the ITP Conditions

		of Approval (COA), are required to be implemented prior to and during work activities to protect the San Joaquin kit fox. These include: 1. The Developer shall inform CDFW when the required mitigation measures are met (COA 7.3 – Developer notification). 2. The Developer and CDFW shall be notified within 24 hours if a San Joaquin kit fox is observed within the work area (COA 7.7). 3. The Developer shall implement daily entrapment inspections (COA 7.15). 4. The Developer shall implement daily material inspections (COA 7.16). 5. The Developer shall implement daily equipment inspections (COA 7.17).
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes ☐ No ☒	According to field observation and a review of aerial photos of the area of the project, there are no aboveground storage tanks located within one mile of the project sites.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes ☐ No ☒	The sites are located in a developed and urbanized residential and commercial area. The proposed project site is contained entirely within an existing residential neighborhood. No farmlands will be affected by the proposal and no further review for compliance with this factor is needed.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes ☐ No ☒	According to NEPAssist and FEMA's Flood Rate Insurance Map (FIRM) Map No. 06029C1275E, dated effective September 26, 2008, the site is designated Zone X, having no portion of the project area located within a Special Flood Hazard Area (SFHA) or a 100-year flood zone. Consequently, new construction within a 100-year floodplain is not within the scope of proposed project activities.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes ☒ No ☐	According to the Southern San Joaquin Valley Information Center (SSJVC), there are no recorded cultural resources within the site. There are 12 known resources within a one-half mile radius of the site: P-15-007987, 007988, 008108, 008109, 008119, 008122, 008127, 008177, 008186, 008187, 008188, and 008189. These resources consist primarily of historic era single-family residences

		A Phase I Cultural Study was done for the site. No cultural resources were identified at the site. However, the study stated the following: No additional cultural resources were identified. No further work is required. If archaeological resources are encountered during the course of construction, a qualified archaeologist should be consulted for further evaluation. If human remains or potential human remains are observed during construction, work in the vicinity of the remains will cease, and they will be treated in accordance with the provisions of State Health and Safety Code Section 7050.5. The protection of human remains follows California Public Resources Codes, Sections 5097.94, 5097.98, and 5097.99. Furthermore, an NAHC consultation was completed and a Sacred Land Files list was provided. All tribal contacts included on the list were notified of the project; one comment was received from San Manuel Band of Indians indicating that the project is located outside of Serrano ancestral territory. The State Historical Preservation Office (SHPO) was also consulted. SHPO comments include a standard condition applied to projects that include ground-disturbing activities within their scope of work. The comments help ensure the protection of unknown cultural and/or historic resources that may be encountered, in the event that that cultural and historical resources are discovered during implementation of the undertaking, further consultation with SHPO would be required pursuant to 36 CFR Part 800.13(b). With the inclusion of the statement as a condition of the project, no further evaluation for compliance is required at this time.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes ☐ No ☒	Project is located in an existing mixed-use neighborhood and will not be a source of excessive new noise in the project vicinity.

Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes ☐ No ☒	The EPA has not identified any sole source aquifers within Kern County. Therefore, no further evaluation is needed.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes ☐ No ☒	A search of the NWI wetlands database for the radius surrounding the Project area indicated no NWI wetlands. Furthermore, the scope of planned Project activities will not impact any NWI designated areas.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes ☐ No ☒	No existing or to-be-added national wild or scenic river are located in the vicinity of the project site. No further evaluation is needed.
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes ☐ No ☒	The project is being undertaken as part of the effort to address the ongoing need to increase the supply of affordable housing in response to the issue of homelessness and "housing instability." The site is located within an existing residential neighborhood and on-site counseling services will be provided to tenants. There are numerous bus stops within one-half mile of the project site that connect residents with access to medical services and commercial centers. The site has minor constraints as to noise and vibration; however, given the limited availability of undeveloped land in close proximity to existing services, the project will provide more access to amenities and opportunities for residents (employment, healthcare services) that may not be currently available to them in traditional housing.

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.
(1) Minor beneficial impact
(2) No impact anticipated
(3) Minor Adverse Impact – May require mitigation
(4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	Metro Bakersfield General Plan Designation: General Commercial; Zoning Designation: C-2 (General Commercial) On August 24, 2017, conditional use permit (CUP) was approved for the site which would allow construction of a 32 unit apartment with an associated community building. Adopted Conditions of Approval of the CUP will be incorporated into plans for project site development.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	According to a Geotechnical Engineering Investigation prepared by Krazan and Associates Inc. (Krazan), the subject site and soil conditions, with the exception of the fill material, shrink/swell potential of the clay soils, and existing development, appeared to be conducive to the development of the project. The thickness of non-expansive Engineered Fill to be required beneath slab-on-grade and exterior flatwork areas, the required depth of over-excavation of native soils beneath the existing fill, the proposed paved areas will be confirmed upon completion of laboratory testing.
Hazards and Nuisances including Site Safety and Noise	1	No hazards or nuisances have been identified within the APE. The site is located approximately one half mile north of Highway 178. The site is four city blocks away from SR 178, thus the residences provide noise abatement. Therefore, it is likely the Day/Night Average Sound Level (DNL) at the site are "Acceptable" according to HUD regulations.
Energy Consumption	1	The developments will be designed to maximize energy efficiency. These design features include construction materials and appliances. Due to the combination of these factors and the energy-efficient design, the project should have minimum energy consumption impacts. Each unit will incorporate energy efficient appliances wherever

		possible. Based on the identification of energy related reduction equipment above, no further review for this factor is needed.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	1	The project will likely have a beneficial impact on employment and income patterns. Counseling services provided at the site should improve employment opportunities through increased access to services, education and additional job opportunities.
Demographic Character Changes, Displacement	2	The area of the project is generally multi-ethnic and diverse. Although 2010 Census data indicates the area is predominately Hispanic, there is no evidence to suggest that overall demographics of the area would change as a result of implementation. As the project is for construction of new housing, the development will not result in the displacement of persons or populations.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	The construction of additional affordable housing will provide greater opportunity to access the benefits of educational and cultural facilities for the target population. There are also several elementary schools within two miles of the project. In response to the general consultation, the County of Kern Superintendent of Schools provided comment noting the project is subject to payment of a developer fee for impacts to education facilities and related services. It has been determined by the Superintendent of Schools that the collection of the developer fee is adequate mitigation for the impact provided by construction of new housing. Furthermore, the fee is required under Education Code Section 17620 and Government Code Section 65995 et seq. (all as amended with operative date of November 4, 1998). The developer fee shall be collected at the time building permits are issued.
Commercial Facilities	1	There are grocery stores, a pharmacy, restaurants, a community park and other amenities located within a mile of the project site. The project will provide an expanded customer base which supports growth of businesses.

Health Care and Social Services	1	The site is connected by bus line with low cost/assisted health care services. Furthermore, according to the 2017 "Kern County Point in Time Count", ambulance transport for Homeless patients transport costs over $100,000 per/year. One chronic homeless individual alone led to $171,000 in costs. Since most costs are not reimbursable, this debt has to be written-off by the service provider. The reduction of homeless individuals and the provision of medical services should reduce costs for the County itself. Additionally, the site is located adjacent to Kern Medical building. These resources are all accessible by foot, bicycle, and wheelchair.
Solid Waste Disposal / Recycling	2	The development plan for the project site includes disposal/recycling several provisions to address solid waste disposal needs. The site development plan shall address the need for adequate trash bins and recycle bins for residents of the development.
Waste Water / Sanitary Sewers	3	As to waste water/sanitary sewer service, Kern Sanitary Authority (KSA) provides service in the area of the project. The utility provider's comments include; A one-time sewer service connection fee shall be charged for tie-in of the proposed 32-unit apartment complex on Water Street (APN 126-042-06). Accordingly, there will also be an additional KSA annual sewer service charge assessment added to the Tax Roll for the proposed 32-unit apartment complex on Water Street (APN 126-042-06); An Encroachment Permit may be required from the Kern County Public Works Department for construction within the public road right-of-way; All construction shall comply with Kern County Development Standards for construction within the public road right-of-way; The owner may be required to bore the sewer lateral for this parcel under the street surface per the Kern County Public Works Encroachment Permit; The owner or contractor shall provide KSA with 48-hours' notice prior to performing any connection to the KSA sewer main; All sewer laterals NOT within the public road right-of-way shall be inspected by the Kern County Public Works Building Inspection Division (BID) prior to backfilling, as an integral part of BID Construction Permit Number that will be issued upon acceptance for the proposed sewer connection on Water Street for APN 126-042-06; KSA shall not inspect, repair, service, or maintain any portion of private sewer; The parcel owner or owner's representative shall submit the KSA issued "Will-Serve" Sewer Service Letter dated March 26, 2019 to BID for documentation of KSA sewer agency review and official authorization for

		sanitary sewer service for the proposed new 32-unit apartment complex on Water Street (APN 126-042-06).
Water Supply	2	The site is within an area served by the California Water Service (Cal Water). Cal Water provided a "will serve" letter for the site, valid for two years to serve the development. However, Cal Water noted in the letter that to provide adequate water for domestic use as well as fire service protection, it may be necessary for the developer to fund the cost of special facilities, such as, but not limited to, booster pumps, storage tanks and/or water wells, in addition to the cost of mains and services. Cal Water noted more specific information regarding special facilities and fees will be provided after receiving improvement plans, fire department requirements, and engineering fees for this project site.
Public Safety - Police, Fire and Emergency Medical	1	Extremely impoverished "at-risk" individuals/families often need a greater level of support from police, fire and emergency medical services. Crime, drug use, addiction, and mental illness are often associated with persons who become homeless, and often considered contributing factors to homelessness in general. However, in a study published by the US National Library of Medicine and National Institutes of Health, "well-managed and governed recovery homes pose minimal risks to neighbors in terms of criminal behavior" (The Relationship Between Neighborhood Criminal and Behavior and Oxford Houses, 2009). The project offers the opportunity for increased access to counseling services for the inhabitants of this property. Several studies have shown that properly managed properties for residents recovering from mental illness or substance abuse do not "significantly" increase the risk of crime rates in the neighborhood in the property's immediate vicinity. However, even though counseling services may decrease the level of the support needed by "at-risk" individuals over time, in the short term, public safety related resources will be needed to serve residents and ensure public safety continues to be prioritized. Thus, assuming service providers are effective in treating the underlying issues of these "at-risk" individuals, it is likely the project will not cause a significant increase in crime. Also, it is important to note that even though 32 units are on the property, only 14 are reserved for at-risk individuals. The conclusion is based on property crime and violent

		crime; prostitution, DUIs, substance-related crimes were not accounted for in the aforementioned study.
Parks, Open Space and Recreation	2	Jefferson Park, Panorama Park and Wilkins Park are less than a mile from the development. Heritage Park, is approximately 1.2 miles away also. The site is within reasonable walking distance from multiple parks. Residents will have easy access to the open space and recreation each park offers.
Transportation and Accessibility	2	For residents with access to a private vehicle, there will be a minor increase in the number of vehicle trips per day in the immediate vicinity of the site. Based on the limited number of new trips, no decline in the current level of services is anticipated as a result of implementation. However, due to income limits required for program eligibility, the majority of residents are likely to be dependent on available public transportation options established in the area of the project. The project area is served by Golden Empire Transit (GET). There are fifteen bus stops located within one mile of the site. According to GET, service is provided seven days a week at 30-minute intervals. Furthermore, Kern Behavioral Health and Recovery Services may provide tenants with Monthly Bus Passes that allow unlimited travel throughout Bakersfield. Tenants with disabilities that limit or prevent the use of regular, fixed route buses will be linked to paratransit resources that provide more personalized services, such as GET-A-LIFT (GAL) and Kern Transit Medical Dial-A-Ride. If necessary, staff on site will use a County vehicle to transport and accompany tenants to critical appointments (such as medical care and other public services) as needed.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		

Unique Natural Features, Water Resources	2	The area surrounding the site is a developed mixed use neighborhood. A Phase I report was completed for the property and the parcel was completely vacant. The area surrounding the project site is residential to the south and commercial to the north, east, and west. Therefore, no impact from development on unique natural features or water resources is anticipated.
Vegetation, Wildlife	2	The project is located within the Metropolitan Bakersfield Habitat Conservation Plan (MBHCP) California Department of Fish and Wildlife, Incidental Take Permit No. 2013-058-04 (ITP) boundaries. Any impacts to plant species would likely be mitigated by participation in the MBHCP for the covered species.

Additional Studies Performed:
Biological Clearance Survey Report
Cultural Resources Assessment
Phase I ESA Report
Soils Report

Field Inspection (Date and completed by):
12/18/19 by Lonnie Bell, Supervising Planner

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:
Please see attached list

List of Permits Obtained: None at this point

Public Outreach [24 CFR 50.23 & 58.43]:
Subsequent to this Environmental Assessment, the public will be notified of the determination of the RROF and RROF notification and, as applicable, any substantial changes to the Project description or anticipated activities.

Cumulative Impact Analysis [24 CFR 58.32]:
Minor cumulative impacts include slight increase in traffic, noise and vibration, in the APE of the project. The site may require minor adjustments to staffing and other resources required to address the demand for Public Safety services and ensure that residents and their belongings are adequately protected from crime and fire.

If implemented, the project will alleviate cumulative conditions as it relates to housing, which is currently over capacity. Furthermore, the project will increase accessibility to services in the larger metropolitan area. Transit related development will reduce the impacts in traffic typically associated with any residential development. Smart energy, appliances and technologies will ensure that the project has little to no impact on the existing power grid and reduce average energy

consumption in the area per unit, translating to potential savings for property owners and project residents.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]**:**
The Housing Authority of the County of Kern (HA) was provided with a list of parcels that are pre-zoned and designated for multi-family residential use under the County of Kern Metro Bakersfield General Plan. The parcel list was used by HA to determine the location of available sites that would meet its program objectives and general housing guidelines for low-income residents. Individual sites were evaluated based on criteria for selection under the "No Place Like Home" program.

In reviewing the sites available, the site in question presented desirable advantages over other available sites because of its proximity to services and community amenities. Before making a conditional purchase offer for this site, the developer unsuccessfully contacted dozens of property owners in an attempt to identify suitable sites in NSP target areas. No other suitable alternative sites were identified that can fully replicate the potential benefits of this project.

No Action Alternative [24 CFR 58.40(e)]:
Under the no action alternative, no additional modification or changes to the project would be authorized and the project site would remain vacant and undeveloped. The County would not realize the potential positive impact(s) provided by this project; the level of service for current programs would be unchanged and insufficient availability of housing issues would persist and/or be addressed by other means.

Summary of Findings and Conclusions:
With the inclusion of the mitigations below, the Responsible Entity has determined that a Finding of No Significant Impact is appropriate as the project will not result in a significant impact on the quality of the human environment. The project may therefore proceed to development phase under the EA Level of Review evaluation and determination of a FONSI. Staff will proceed with a Request for Release of Funds from the Department of Housing and Urban Development (HUD).

Mitigation Measures and Conditions [40 CFR 1505.2(c)]
Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	1. Where it is determined that any air related permits are needed to proceed with the project, the contractor shall ensure that any required air related permits are obtained from the San Joaquin

	Valley Air Pollution Control District **prior to implementation of the project** and that the conditions and/or requirements of which the permits are issued are adhered to during the implementation of the project.
Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	The project is located within the administrative boundaries of the Metro Bakersfield Habitat Conservation Plan, and as such, would be subject to both project modifications and/or required mitigation, as applicable. A development fee is collected for participation in the coverage provided by the adopted HCP plan. 1. Prior to the issuance of any grading and/or building permits, a development fee shall be collected under the requirements of the Metro Bakersfield Habitat Conservation Plan. The funds collected are utilized for the acquisition of habitat required for species protection and habitat conservation. 2. No more than 30 days prior to initiation of construction activities, preconstruction surveys (or Clearance Survey per MBHCP requirements) shall be conducted within the expansion area and a suitable buffer zone around the perimeter. 3. At all times during the implementation of this permit, SJKF avoidance and minimization techniques identified in the MBHCP must be employed and strictly adhered to. 4. During initial ground disturbing activities, a biological monitor who is knowledgeable regarding the potentially occurring special status species (e.g., SJKF) should be on-call, if needed. If at any time listed species are present within, or immediately adjacent to, the construction area limits or immediately adjacent to the site, the CDFW and the USFWS should be consulted regarding the need to obtain take authorization for take of federal- and/or state-listed species. Once initial disturbance has been completed and site vegetation removed, the biological monitor would not be required to monitor grading activities or further construction activities.
Conformance with Plans / Compatible Land Use and Zoning	Metro Bakersfield General Plan Designation: General Commercial; Zoning Designation: C-2 (General Commercial)

	On August 24, 2017, conditional use permit (CUP) was approved for the site which would allow construction of a 32 unit apartment with an associated community building. Adopted Conditions of Approval of the CUP will be incorporated into plans for project site development.
National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Comments were not received in response to the early consultation, thus standard SHPO conditions apply regarding the need to address the potential to encounter unknown historic or cultural resources as a result of project implementation: 1. <u>During implementation of the undertaking</u>, in the event that cultural and historical resources are discovered, further consultation with SHPO would be required pursuant to 36 CFR Part 800.13(b). 2. <u>During implementation of the undertaking</u>, if any archaeological resources are encountered during the course of construction, a qualified archaeologist shall be consulted for further evaluation. 3. <u>If human remains or potential human remains are observed during construction</u>, work in the vicinity of the remains will cease, and the find be treated in accordance with the provisions of State Health and Safety Code Section 7050.5. The protection of human remains follows California Public Resources Codes, Sections 5097.94, 5097.98 and 5097.99.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	<u>During implementation of the undertaking</u>: 1. It is anticipated that following stripping opperations, fill removal, and demolition activities, the exposed native soil within the proposed structural areas will need to be excavated to a depth of at least 12 inches, and up to as much as 36 inches, worked until uniform and free from large clods, moisture-conditioned to at least 2 percent above optimum moisture content, and compacted to a minimum of 90 percent of maximum density based on ASTM Test Method D1557. In addition, it is recommended that the proposed structure foundations be supported by a minimum of 12 inches of Engineered Fill. Limits of recompaction should extend 5 feet beyond structural elements. Prior to fill placement, the exposed subgrade soils

	should be proofrolled and observed by Krazan & Associates, Inc. to verify stability. Fill material should be compacted to a minimum of 90 percent of maximum density based on ASTM Test Method D1557.
Waste Water / Sanitary Sewers	1. A one-time sewer service connection fee shall be charged for tie-in of the proposed 32-unit apartment complex on Water Street (APN 126-042-06). Accordingly, there will also be an additional KSA annual sewer service charge assessment added to the Tax Roll for the proposed 32-unit apartment complex on Water Street (APN 126-042-06); An Encroachment Permit may be required from the Kern County Public Works Department for construction within the public road right-of-way; All construction shall comply with Kern County Development Standards for construction within the public road right-of-way; The owner may be required to bore the sewer lateral for this parcel under the street surface per the Kern County Public Works Encroachment Permit; The owner or contractor shall provide KSA with 48-hours' notice prior to performing any connection to the KSA sewer main; All sewer laterals NOT within the public road right-of-way shall be inspected by the Kern County Public Works Building Inspection Division (BID) prior to backfilling, as an integral part of BID Construction Permit Number that will be issued upon acceptance for the proposed sewer connection on Water Street for APN 126-042-06; KSA shall not inspect, repair, service, or maintain any portion of private sewer; The parcel owner or owner's representative shall submit the KSA issued "Will-Serve" Sewer Service Letter dated March 26, 2019 to BID for documentation of KSA sewer agency review and official authorization for sanitary sewer service for the proposed new 32-unit apartment complex on Water Street (APN 126-042-06).
Water Supply	1. <u>Prior to the issuance of any grading or building permits:</u> Installation of facilities through developer funding shall be made in accordance with the current rules and regulations of the CPUC including, among others, Tariff Rules 15 and 16 and General Order 03-A. To provide adequate water for domestic use as well as fire service protection, it may be necessary for the developer to fund the cost of special facilities, such as, but not limited to, booster pumps, storage tanks and/or water wells, in addition to the cost of

	mains and services. Cal Water will provide more specific information regarding special facilities and fees after you provide us with your improvement plans, fire department requirements, and engineering fees.
Transportation and Accessibility	1. Prior to final occupancy approval: Under Encroachment Permit, issued by the Kern County Public Works Department, the applicant shall construct Type "A" Subdivision improvements along the northerly project frontage of Water Street. These improvements will be, sidewalk, drive approaches, alley paving tie-in to parking lot, Type "C" alley approach and necessary tie-ins. 2. Prior to final occupancy approval: The applicant shall contact the City of Bakersfield Public Works Department to determine the extent of street improvements to be made for the project frontage along the alley within the City's jurisdiction. Any street improvements made for the project frontage along the alley within the City shall be performed under encroachment permit issued by the City of Bakersfield. 3. Prior to final occupancy approval: All easements shall be kept open, clear, and free from buildings and structures of any kind pursuant to Chapters 18.50 and 18.55 of the Kern County Land Division Ordinance. All obstructions, including utility poles and lines, trees, pole signs, fences, or similar obstructions, shall be removed from the ultimate road rights-of way. Compliance with this requirement is the responsibility of the applicant and may result in significant financial expenditures.
Education	1. Prior to the issuance of any grading or building permits: A development fee shall be collected as mitigation for construction of new housing, multi-family affordable housing units, as required under Education Code Section 17620 and Government Code Section 65995 et seq. (all as amended with operative date of November 4, 1998). The fees are presently set at $3.79 per square foot, and are subject to Cost of Living Adjustment (COLA) adjustment every two years.

Determination:

☒ **Finding of No Significant Impact** [24 CFR 58.40(g)(1); 40 CFR 1508.27]
The project will not result in a significant impact on the quality of the human environment.

☐ **Finding of Significant Impact** [24 CFR 58.40(g)(2); 40 CFR 1508.27]
The project may significantly affect the quality of the human environment.

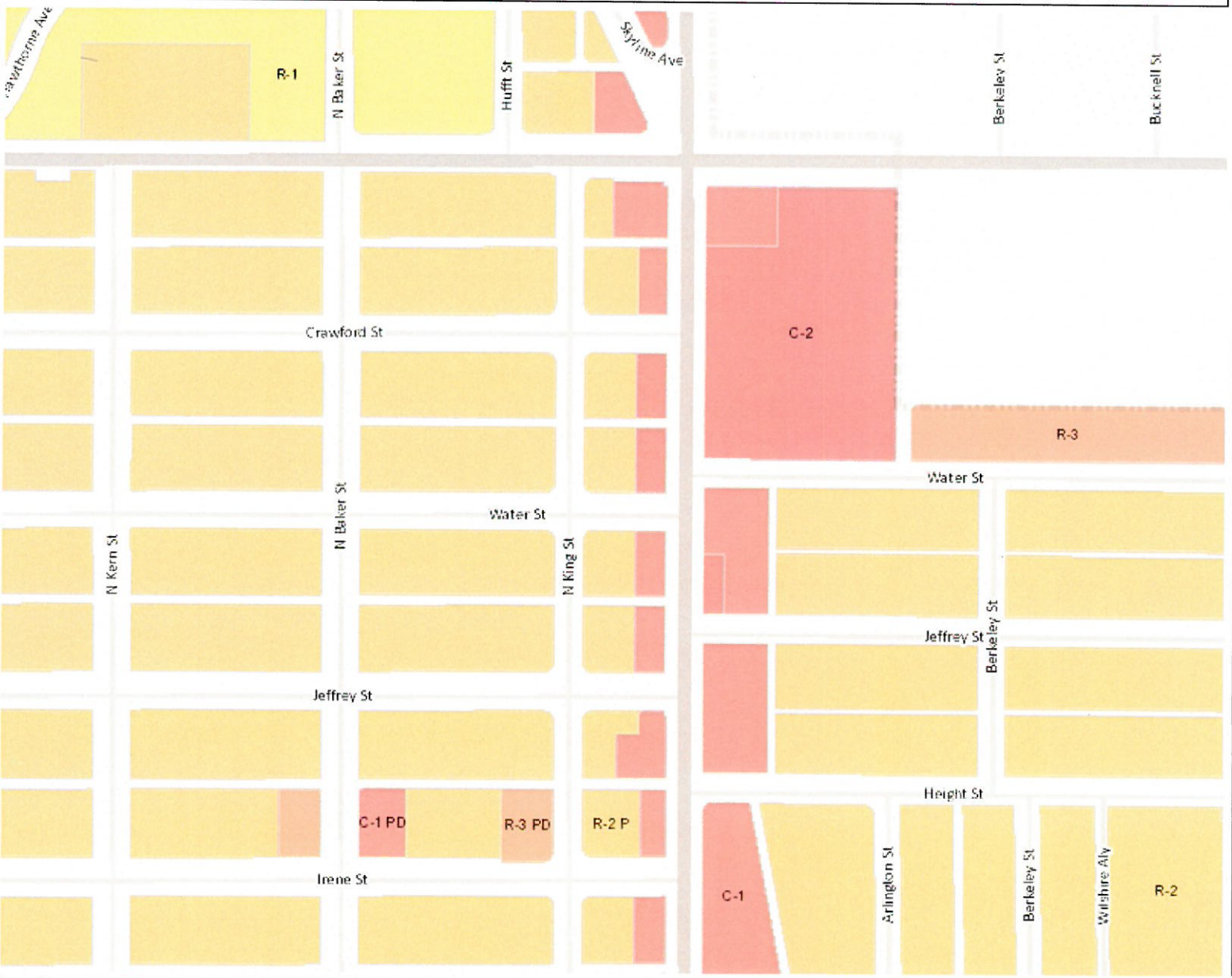
Preparer Signature: _____ Date: 1/6/20
Name/Title/Organization: Lonnie J. Bell, AICP, Supervising Planner, Kern County Planning and Natural Resources Department – Community Development Division

Certifying Officer Signature: _____ Date: 1/6/20
Name/Title: Lorelei H. Oviatt, AICP, Director of County of Kern Planning and Natural Resources Department

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

Kern County
Online Mapping System

Generated by Kern County Web Map Service



Legend

Roads 3k-5k

- Freeway
- Highway
- Major
- Minor
- Local
- Ramp
- Unpaved

City Incorporated

Townsites Unicorporated Area

County Zoning

- A
- A-1
- C-1
- C-2
- CH
- CO
- DI
- E(1)
- E(1/2)
- E(1/4)
- E(10)
- E(2 1/2)
- E(20)
- E(21/2)
- E(40)

1: 4,514

0.1 0 0.07 0.1 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

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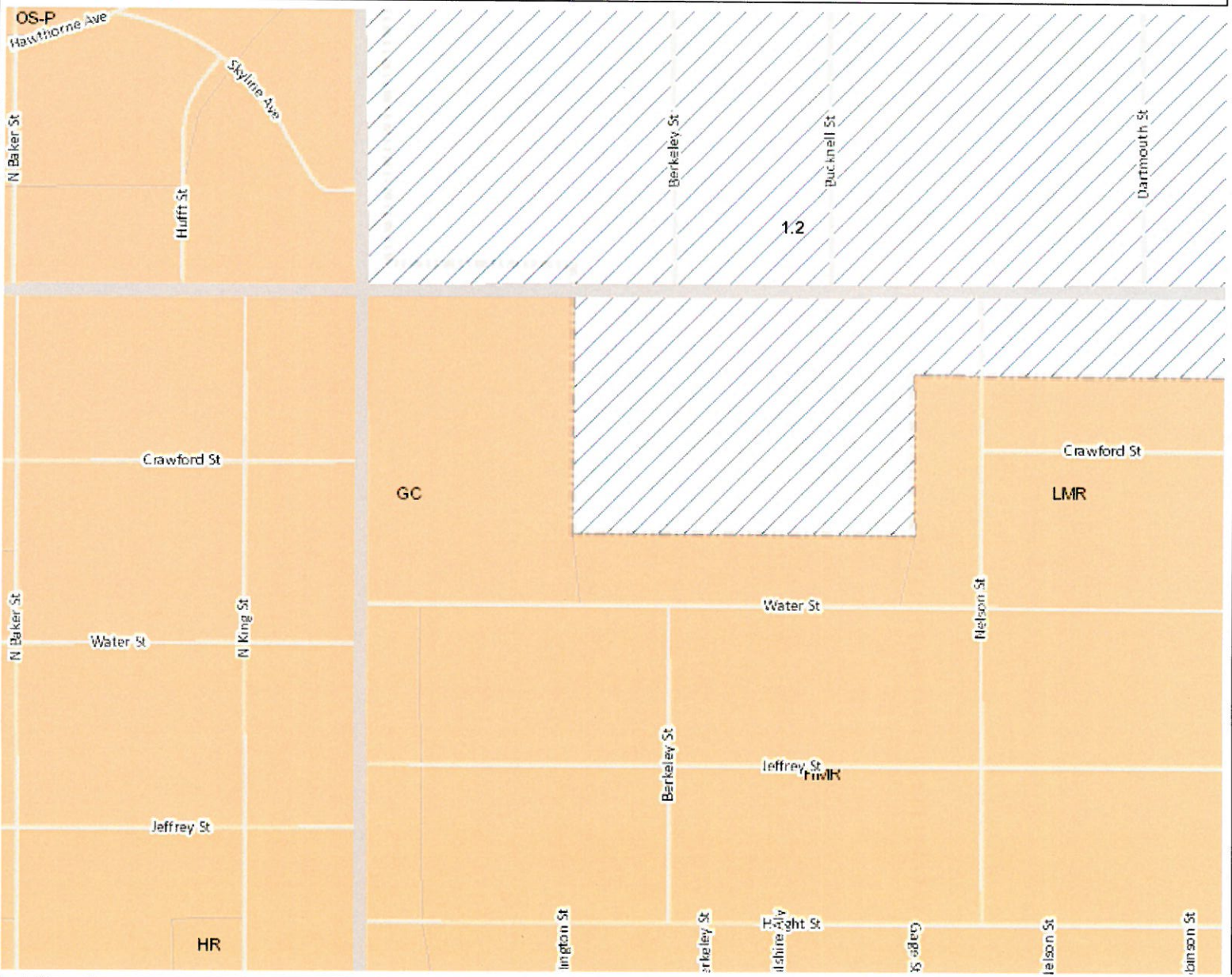
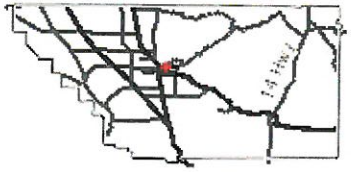
This map is a user generated static output from an Internet mapping site and is for general reference only. The County of Kern assumes no liability for damages, incurred by the user of this information, which occur directly or indirectly as a result of errors, omissions or discrepancies in the information.

Notes

Kern County
Online Mapping System

Generated by Kern County Web Map Service





Legend

Roads 3k-5k
- Freeway
- Highway
- Major
- Minor
- Local
- Ramp
- Unpaved

City Incorporated

Townsites Unicorporated Area

General Plan
- 1.1
- 1.2
- 3.1
- 3.2
- 3.3
- 3.4
- 3.4.1
- 3.7
- 4.1
- 4.2
- 4.3
- 5.1
- 5.2
- 5.3
- 5.4

1: 4,514

0.1 0 0.07 0.1 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

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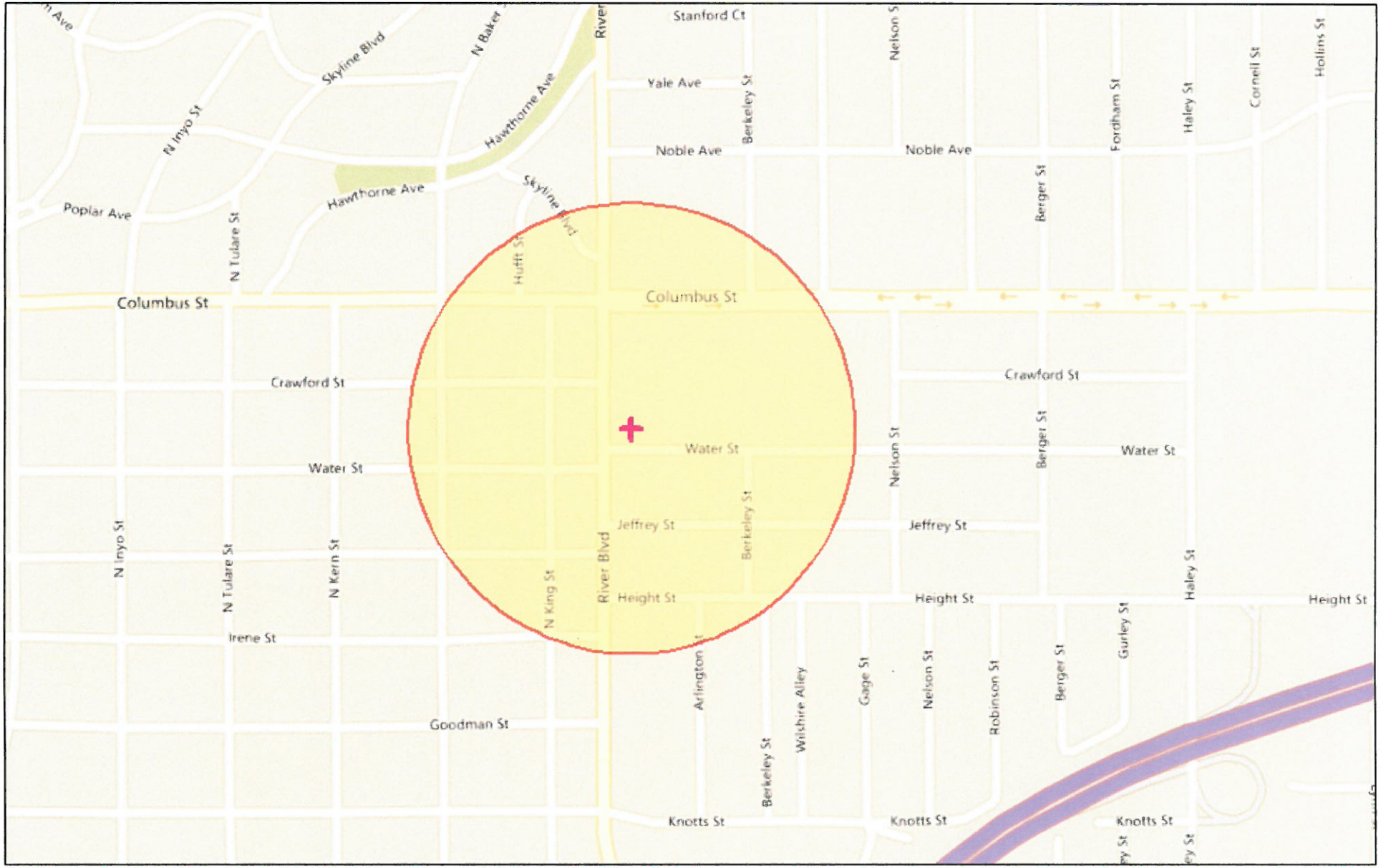
Notes

Google Maps 2501 River Blvd

Imagery ©2019 Google, Imagery ©2019 U.S. Geological Survey, Map data ©2019 50 ft

NEPAssist Map



October 11, 2019

1:9,028

0 0.075 0.15 0.3 mi

0 0.1 0.2 0.4 km

Search Result (point)

Buffer Area

National Register of Historic Places

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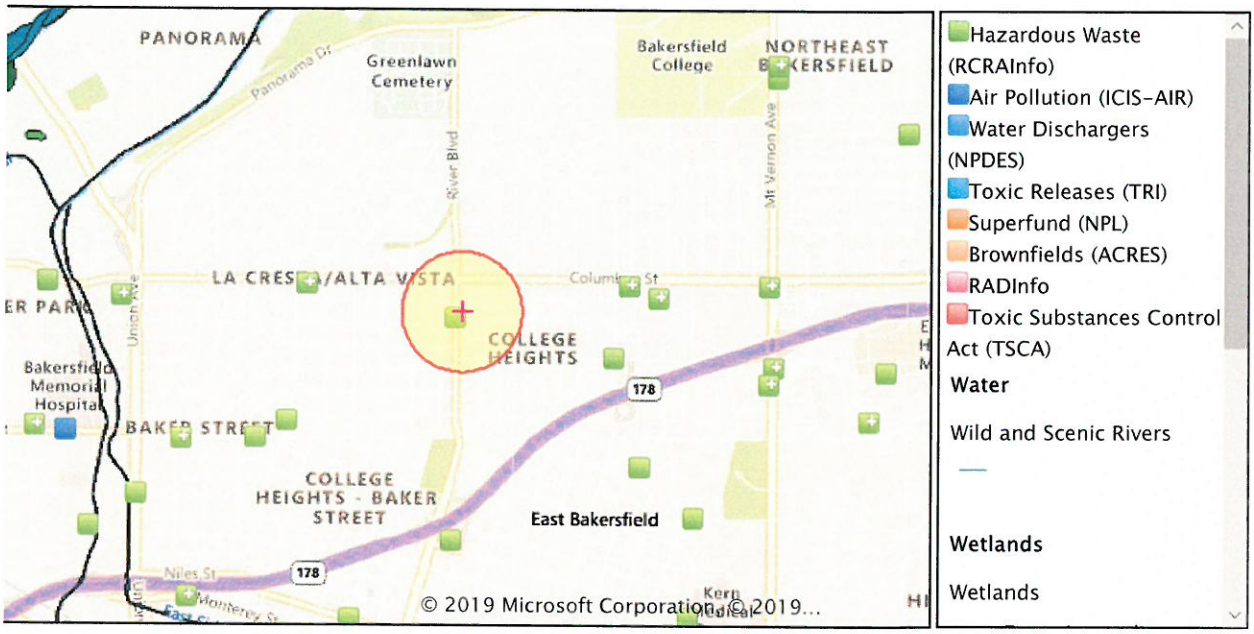
EPA OEI, OFA

NEPAssist

Home | Help

US Environmental Protection Agency

Map



Geographic coordinates:

POINT (35.395965,-118.984747)
with buffer 1000 feet

Note: The information in the following reports is based on publicly available databases and web services. The National Report uses nationally available datasets and the State Reports use datasets available through the EPA Regions. Click on the hyperlinked question to view the data source and associated metadata.

National Report

Project Location	35.395965,-118.984747
Within 1000 feet of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1000 feet of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 1000 feet of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of a Federal Land?	no
Within 1000 feet of an impaired stream?	no
Within 1000 feet of an impaired waterbody?	no
Within 1000 feet of a waterbody?	no
Within 1000 feet of a stream?	no
Within 1000 feet of an NWI wetland?	no
Within 1000 feet of a Brownfields site?	no
Within 1000 feet of a Superfund site?	no

Within 1000 feet of a Toxic Release Inventory (TRI) site?	no
Within 1000 feet of a water discharger (NPDES)?	no
Within 1000 feet of a hazardous waste (RCRA) facility?	yes
Within 1000 feet of an air emission facility?	no
Within 1000 feet of a school?	yes
Within 1000 feet of an airport?	no
Within 1000 feet of a hospital?	no
Within 1000 feet of a designated sole source aquifer?	no
Within 1000 feet of a historic property on the National Register of Historic Places?	no
Within 1000 feet of a Toxic Substances Control Act (TSCA) site?	no
Within 1000 feet of a RADInfo site?	no
Within 1000 feet of a Land Cession Boundary?	yes
Within 1000 feet of a tribal area (lower 48 states)?	no

Save to Excel | Save as PDF

California Report
Demographic Reports
USFWS IPaC Report

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Elevations Discussion contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood **control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or view its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from USGS Topographic Quadrangles, Aerial Photography Field Office aerial 2000 and more recent Landsat Satellite Imagery. Original Photographic Quadrangles produced at scales of 1:24,000 from photographs dated 1992 or later.

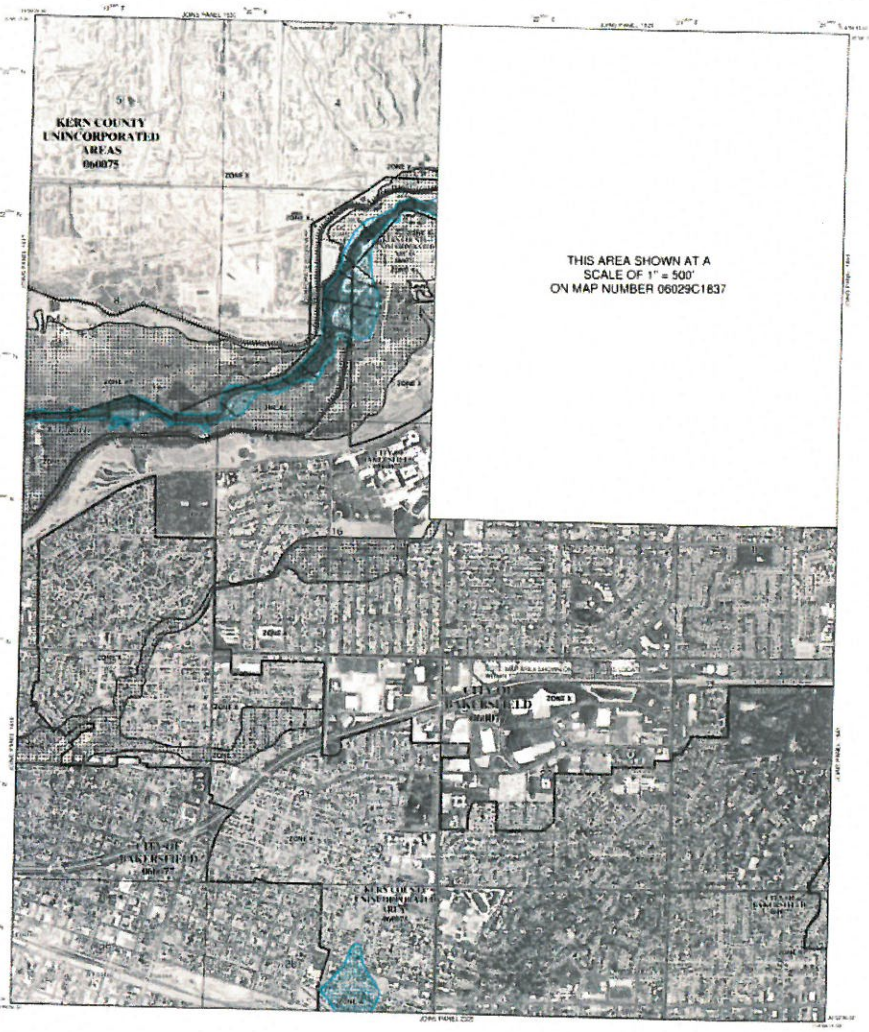
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were established on the previous FIRM have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report which contain authoritative hydraulic data may reflect stream channels different from those shown on this map.

Coastal Barrier Resources System (CBRS) areas shown on this map are based on the best data available at the time of publication. Because changes due to annexations or disenfranchisements may have occurred after this map was published, map users should contact appropriate community officials to verify current CBRS area locations.

Please refer to the accompanying printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a listing of Communities Table containing National Flood Insurance Program dates for each community as well as a listing of the panels in which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on product ordering, product descriptions and the FEMA Mapping Specifications which include previous product descriptions and the FEMA Flood Insurance Study manual and Digital Mapping Specifications Manual. Their address is: Map Service Center (MSC) P.O. Box 1363, Jessup, MD 20794-1363 and its website is http://www.msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations shown.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from the 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are generally mapped within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

(EL 987) Base Flood Elevation line and value; elevation in feet*

(EL 987) Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- (23) Cross section line
- (23) - (23) Transect line
- 97° 07' 30" 32° 22' 30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
- 4275000 m N 590000 m E Western Hemisphere Transverse Mercator grid values, zone 15
- 5000000 m N 2000000 m E Universal Transverse Mercator grid values, zone 11
- 1000000 FT 500000 FT (MN) State Plane coordinates system, Minnesota Central zone (FIPSZONE 2201), Lambert Conformal Conic
- M1.5 Bench mark (see explanation in Notes to Users section of this FIRM panel)
- River Mile

MAP REPOSITORIES
Refer to Map Repositories list on this FIRM

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
SEPTEMBER 26, 2008

EFFECTIVE DATE OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

500 0 1000 2000 FEET
150 0 150 300 METERS

PANEL 1040E

FIRM
FLOOD INSURANCE RATE MAP
KERN COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 1040 OF 4125

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
KERN COUNTY	060075	1040	E
BAKERSFIELD, CITY OF	060077	1040	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
06029C1040E

EFFECTIVE DATE
SEPTEMBER 26, 2008

Federal Emergency Management Agency

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

OIL CENTER QUADRANGLE
CALIFORNIA - KERN COUNTY
7.5-MINUTE SERIES

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid:Universal Transverse Mercator, Zone 11S
This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery	NAIP, June 2016 - October 2016	
Roads	U.S. Census Bureau,	2016
Names	GNIS, 1981 -	2018
Hydrography	National Hydrography Dataset, 2002 -	2017
Contours	National Elevation Dataset,	2009
Boundaries	Multiple sources; see metadata file 2016 -	2017
Public Land Survey System	BLM,	2018
Wetlands	FWS National Wetlands Inventory 1984 -	1987

UTM GRID AND 2017 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

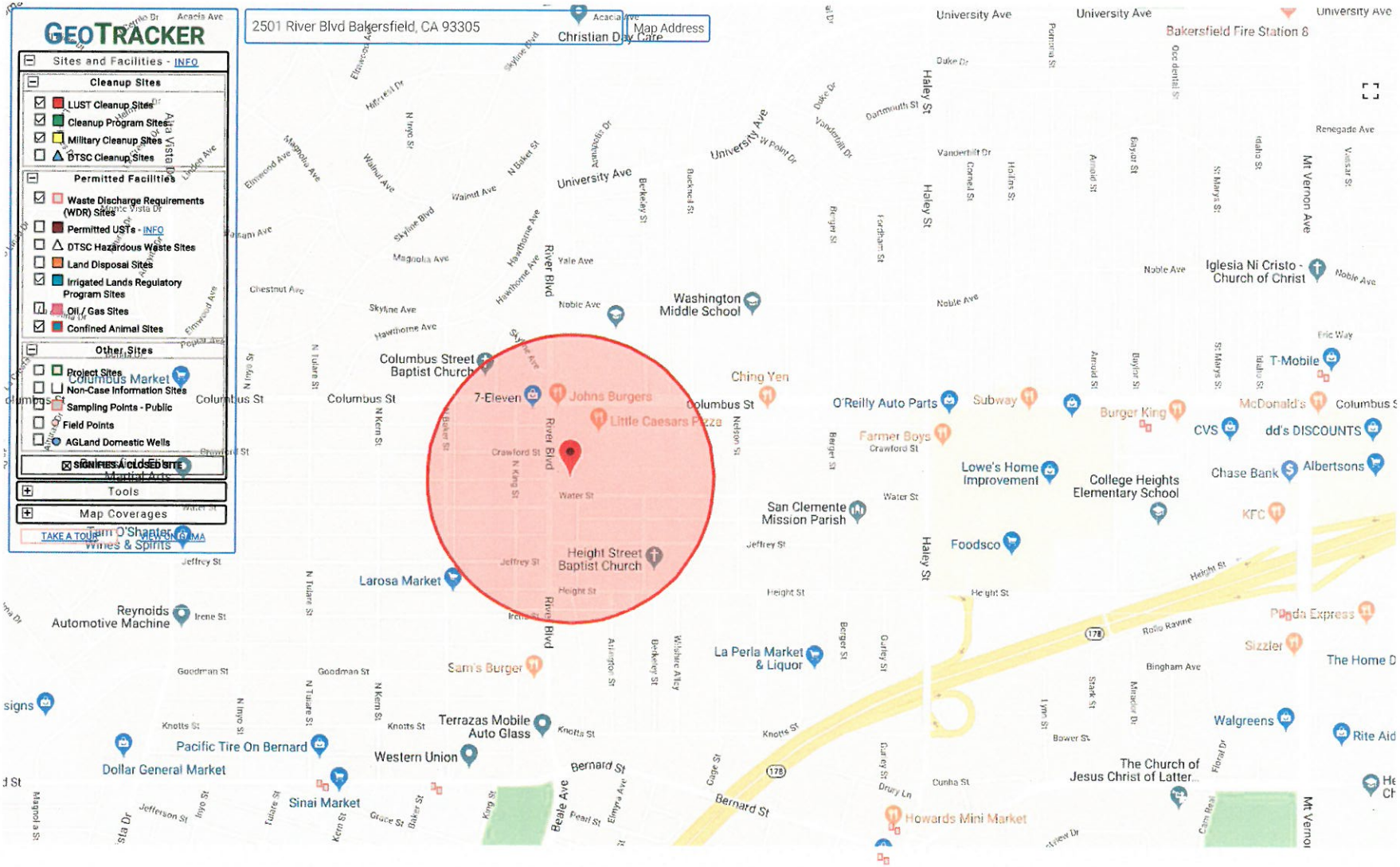
This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

CALIFORNIA
SEQUOIA NAT'L PK
ADJOINING QUADRANGLES
1 North of Oildale
2 Knob Hill
3 Pine Mountain
4 Oildale
5 Rio Bravo Ranch
6 Gosford
7 Lamont
8 Edison

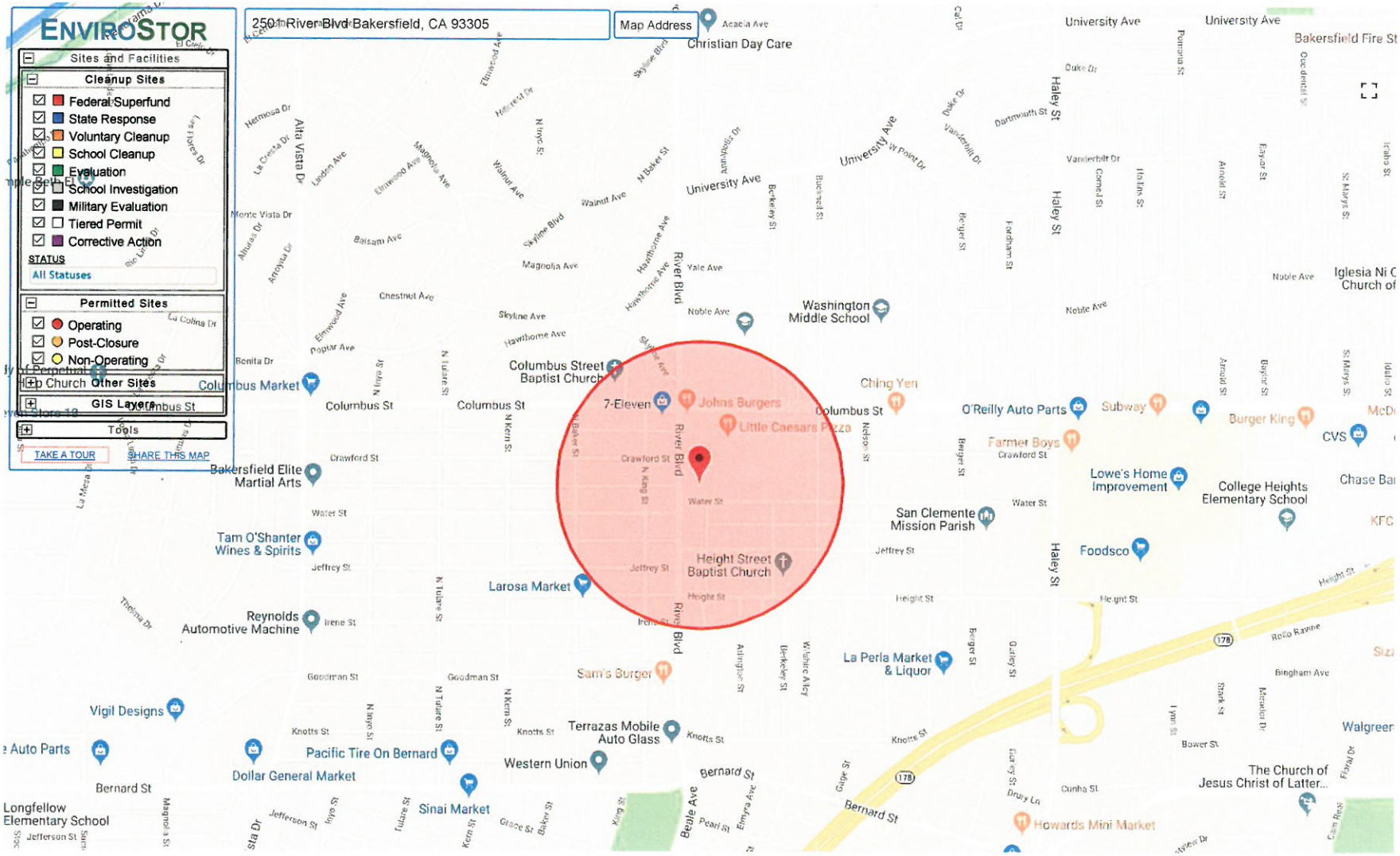
ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

OIL CENTER, CA
2018

USGS
NGA REF NO. USGS7245572987



SITES FOUND IN SEARCH RADIUS



SITES FOUND IN SEARCH RADIUS