



**U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT**  
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

## **Noise (EA Level Reviews) – PARTNER**

<https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control>

### **1. What activities does your project involve? Check all that apply:**

- New construction for residential use

NOTE: HUD assistance to new construction projects is generally prohibited if they are located in an Unacceptable zone, and HUD discourages assistance for new construction projects in Normally Unacceptable zones. See 24 CFR 51.101(a)(3) for further details.  
→ *Continue to Question 2.*

- Rehabilitation of an existing residential property

NOTE: For major or substantial rehabilitation in Normally Unacceptable zones, HUD encourages mitigation to reduce levels to acceptable compliance standards. For major rehabilitation in Unacceptable zones, HUD strongly encourages mitigation to reduce levels to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.  
→ *Continue to Question 2.*

- None of the above

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

### **2. Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000’ from a major road, 3000’ from a railroad, or 15 miles from an airport).**

**Indicate the findings of the Preliminary Screening below:**

- There are no noise generators found within the threshold distances above.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing the location of the project relative to any noise generators.*

- Noise generators were found within the threshold distances.

→ *Continue to Question 3.*

### **3. Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:**

Acceptable (65 decibels or less; the ceiling may be shifted to 70 decibels in circumstances described in §24 CFR 51.105(a))

**Indicate noise level here:** [Click here to enter text.](#)

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide noise analysis, including noise level and data used to complete the analysis.*

Normally Unacceptable: (Above 65 decibels but not exceeding 75 decibels; the floor may be shifted to 70 decibels in circumstances described in 24 CFR 51.105(a))

**Indicate noise level here:**

If project is rehabilitation:

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.*

If project is new construction:

**Is the project in a largely undeveloped area<sup>1</sup>?**

No

Yes → ***The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i).***

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.*

Unacceptable: (Above 75 decibels)

**Indicate noise level here:** [Click here to enter text.](#)

If project is rehabilitation:

*HUD strongly encourages conversion of noise-exposed sites to land uses compatible with high noise levels. Consider converting this property to a non-residential use compatible with high noise levels.*

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.*

If project is new construction:

***The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). Work with HUD or the RE to either complete an EIS or obtain a waiver signed by the appropriate authority.***

→ *Continue to Question 4.*

**4. HUD strongly encourages mitigation be used to eliminate adverse noise impacts. Work with the RE/HUD on the development of the mitigation measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**

Mitigation as follows will be implemented:

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<sup>1</sup> A largely undeveloped area means the area within 2 miles of the project site is less than 50 percent developed with urban uses and does not have water and sewer capacity to serve the project.

Please see mitigation in summary.

→ *Provide drawings, specifications, and other materials as needed to describe the project's noise mitigation measures.*

*Continue to the Worksheet Summary.*

No mitigation is necessary.

**Explain why mitigation will not be made here:**

[Click here to enter text.](#)

→ *Continue to the Worksheet Summary.*

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

Noise levels are measured to determine ambient noise and, if necessary, take action to protect residents from objectionable noise. Since most of the homes and businesses near the project were destroyed in the Camp Fire, the noise environment is mostly dominated by natural sounds such as wind or bird songs. Currently, there is light traffic on Clark Road, and traffic noise is minimal. Traffic volumes, and commensurate sound levels, will increase as homes and businesses are rebuilt near the project. The other primary road near-by is Pentz Road. Like Clark Road, it has very light traffic. As the town is rebuilt, traffic noise levels will probably increase. Since the project is near the north end of the Town limits, there will not be noise associated with commercial traffic.

The area is generally currently undeveloped because the entire neighborhood was burned in the 2018 fire that destroyed 14,000 buildings in the town. The noise levels on the entire site are now and will be the same into the foreseeable future. The area has few noise sources because existing homes and businesses are very scattered. For a view of current empty lots please visit [Maps/google.com](https://maps.google.com) and search for Paradise, California, then switch to satellite view. This will show the many empty lots and formerly habituated lots that now sit vacant near the project site.

There are scattered homes within ¼ mile of the project. Most of the existing lots (where homes were destroyed) have not been rebuilt, but there are few homes on Clark Road and Adams Lane. Residents of the project will use private vehicles to conduct daily life, and this will add to the existing noise environment. Vehicle trips would be spread over the entire day throughout the community over a day's time. Future traffic volumes were considered in the Housing Element environmental review. At any given location the noise increase from project-generated traffic would be imperceptible. The project replaces a former congregate care facility and other services with 200 employees (Town of Paradise 2022b), thus the net increase in VMT is expected to be minor. The approval of the Housing Element adopted an MND that included a Noise analysis (Town of Paradise 2022a). The Housing Element anticipates future traffic noise increasing as the Town is rebuilt (Town of Paradise 2022b). This increased traffic noise was not found to be a significant negative impact in the Housing Element MND (Town of Paradise 2022a).

The two closest arterial roads are Clark Rd and Penz Rd. No current traffic counts are available and counts before the fire are moot – 95% of the buildings that generated traffic are gone. What was a bustling town is now a sleepy village with widely scattered homes and a few businesses. Therefore, there is no major road traffic in the area. There is no railroad or railroad tracks. The project site is approximately 5 miles from the Paradise Skypark. Please see attached Paradise Skypark Land Use Plan, the noise contours are on page 9. Also, please see attached map that

shows the relationship between the Skypark and the project. The Skypark is 4.8 miles from the project site. The Skypark had about 40 daily flights of single engine aircraft, expected to increase to about 80 in 2030.

During construction, the few neighboring homes would be temporarily exposed to construction equipment noise. This noise would come from heavy delivery trucks, graders, excavators, backhoes, and loaders. The noisiest construction activity would probably range from 77 dBA to 85 dBA at 50 feet. Most of the excavation and heavy equipment use will occur well inside of the 24-acre project property. Single-point source noise attenuates about 6 dBA with each doubling of distance. Thus, at 200 feet from the working equipment, noise could range from 65 dBA to 73 dBA, and would continue to diminish with greater distance. 65 to 73 dBA is considered acceptable for short-term intermittent sources in daylight hours. Grading and heavy equipment operation at the project will be short-term, on weekdays, and in daylight hours. Consequently, construction activity for the project would not exceed ambient noise level standards at sensitive receptors such as neighboring homes.

After residents move into the new project housing, noise would be generated by mechanical equipment, such as heating, ventilation, and air conditioning systems. Sounds from outdoor activities by residents, such as conversation, might be perceptible at the property boundary. The same level of ambient or background noise will be present over the entire project property.

The Town of Paradise will issue and enforce a building permit that ensures that the project will conform with the town code shown below:

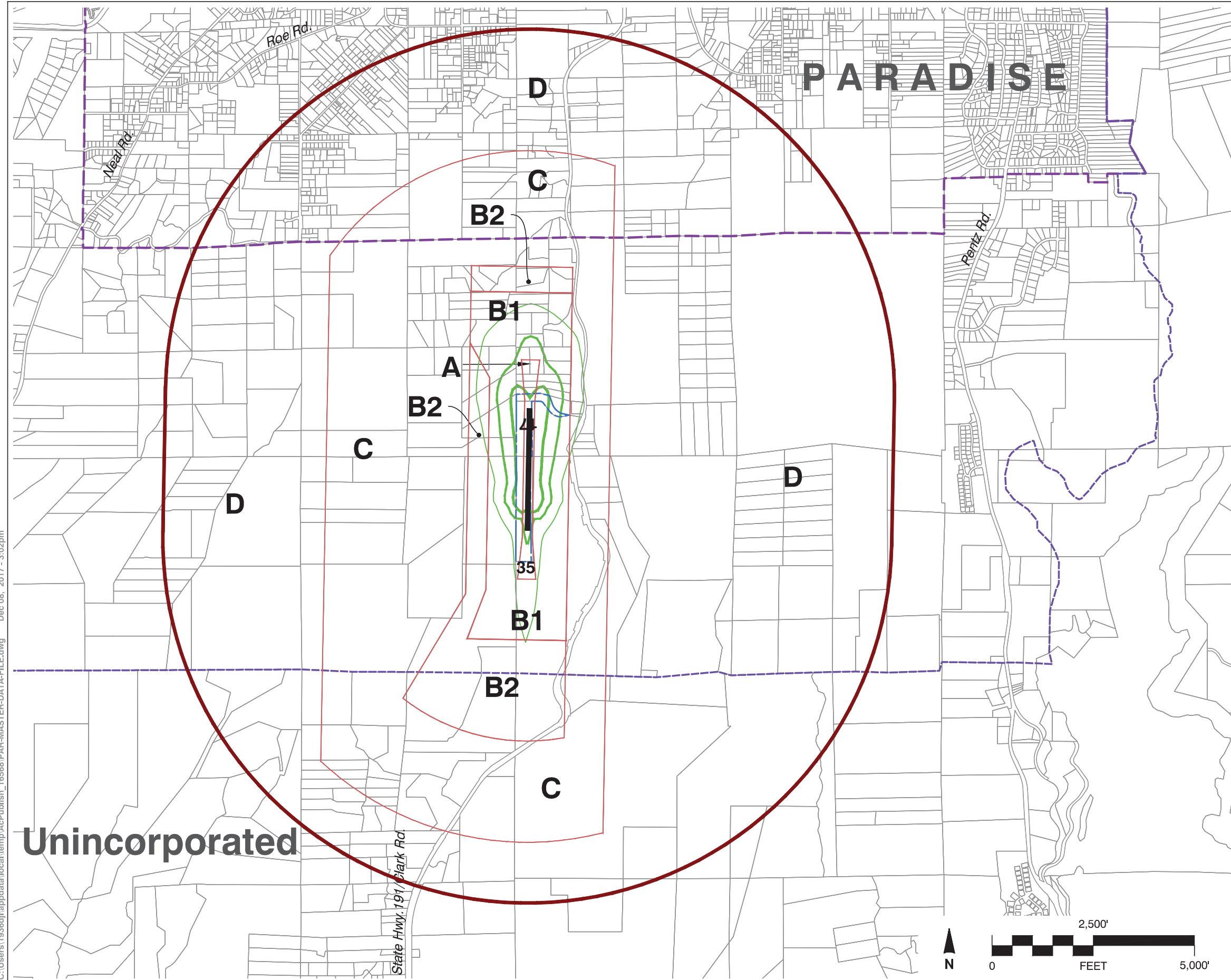
*9.18.160 -Construction or demolition—Generally.*

*It is unlawful and in violation of this chapter for any person to operate or cause the operation of any tools equipment used in construction, drilling, repair, alteration, or demolition work between the hours seven p.m. and six a.m. on weekdays or at any time on Sundays or holidays, in such a manner that creates noise that is clearly audible across a residential zoned or a commercial zoned real property boundary, except for emergency work being performed by a public agency or a public utility. (This section does not apply to domestic power tools as specified in [Section 9.18.185.](#)) (Ord. 316 §2(part), 1999)*

Source:

[https://library.municode.com/ca/paradise/codes/code\\_of\\_ordinances?nodeId=TIT9PUPEMOWE\\_CH9.18NOCO\\_ARTVPRAC\\_9.18.160CODEEN](https://library.municode.com/ca/paradise/codes/code_of_ordinances?nodeId=TIT9PUPEMOWE_CH9.18NOCO_ARTVPRAC_9.18.160CODEEN) accessed May 8, 2023.

1. Town of Paradise. 2022b. *Town of Paradise Housing and Safety Elements Initial Study*. Prepared by Urban Planning Partners Inc. [https://www.townofparadise.com/sites/default/files/fileattachments/planning/page/42352/tphe\\_ismnd\\_public\\_with\\_appendices.pdf](https://www.townofparadise.com/sites/default/files/fileattachments/planning/page/42352/tphe_ismnd_public_with_appendices.pdf).
2. Town of Paradise. 2022c. *Town of Paradise 2022-2030 Housing Element Update*. [https://www.townofparadise.com/sites/default/files/fileattachments/planning/page/41461/compiled\\_housing\\_element\\_appendices\\_5-23-22.pdf](https://www.townofparadise.com/sites/default/files/fileattachments/planning/page/41461/compiled_housing_element_appendices_5-23-22.pdf).



**Legend**

**Boundary Lines**

- Existing Runway 17-35 (3,017' x 60')
- Airport Property Line
- City Limits
- City Sphere of Influence
- Compatibility Zones
- Airport Influence Area

**Noise Factors<sup>1</sup>**

- 55 dB CNEL
  - 60 dB CNEL
  - 65 dB CNEL
- } 30,000 Future Annual Operations

**Notes:**

1. Noise Contour Source: Butte County Airport Land Use Compatibility Plan (2000); for compatibility planning purposes, the ALUCP forecast is brought forward to cover the requisite 20-year timeframe.

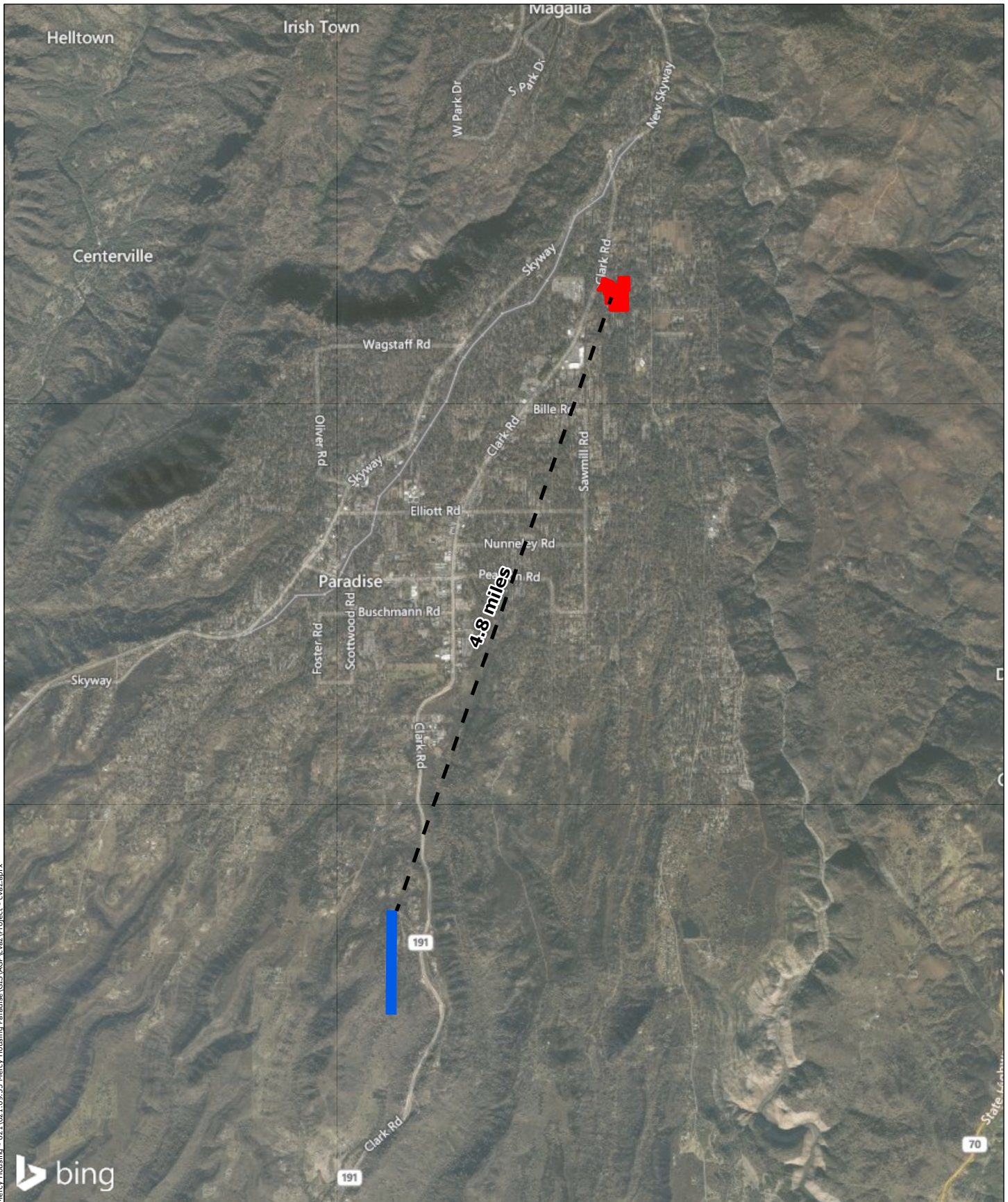
C:\Users\1936dj\appdata\local\temp\AcPublish\_16568\PAR-MASTER-DATA-FILE.dwg Dec 08, 2017 - 3:02pm

Butte County  
 Airport Land Use Commission  
**Paradise Skypark Airport  
 Land Use Compatibility Plan**  
 (Adopted November 15, 2017)

Exhibit 7-4

**Compatibility Factors Map:  
 Noise**  
 Paradise Skypark Airport





Document Path: P:\Active Projects\Mercy Housing - 621.09.55 Mercy Housing Paradise\GIS\AGP\cvaz\Project - cvaz.aprx

**Legend**

- Project Site
- Paradise Sky Park Airport
- Distance to Airport (approx 4.8 miles)

**Cypress Lane Housing Project**  
**Town of Paradise, Butte County**  
 Airports within the Vicinity Map

N  
 1 in. = 1 mi.  
 0 ————— 1 Miles

SOURCE Bing Aerial Basemap	JOB NUMBER 621.09.55	DRAWN cvaz	DATE 10/21/2022
			REVISED -
			APPROVED -