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May 19, 2022

W.O. No. 2211

**RECEIVED**

MAY 24 2022

**PLANNING  
 CITY OF PONDERAY**

David Wilde, AIA  
 Wolfe Architectural Group  
 1015 N Calispel Street, Suite 'B'  
 Spokane, WA 99201

**RE: Trip Distribution Letter for Hotel Ruby Affordable Housing**

Dear Mr. Wilde:

Thank you for contracting with Sunburst Engineering to complete a trip distribution letter for the development of 282 Piehl Road, Ponderay, Idaho. This site is located east of Hwy 95, north of Kootenai Cut-off Road. This parcel is planned to be developed into a building with 24 affordable housing units, which is the subject of this report. The balance of the site is being used for storm water retention, passive open area and five cabins which are associated with the Hotel Ruby located south of this site along the western portion of the property line. All access from the affordable housing will be to Piehl Road. The location of the site in relation to the surrounding transportation system is shown on Figure 1, attached. The layout of the site, once developed, is shown on Figure 2.

The trip generation characteristics of the affordable housing proposed on the site are represented by the characteristics found in the Institute of Transportation Engineers *Trip Generation Manual, 11th Edition*, Land Use Category 223, "Affordable Housing." The trip making characteristics for the site are summarized on Table 1.

**Table 1 - Trip Generation Rate & Volume Summary of Affordable Housing**

Unit	AM Peak Hour		PM Peak Hour		ADT Vol @ 4.81 Trips per Unit		
	Vol @ 0.36 Trips per Unit	Directional Distribution		Vol @ 0.46 Trips per Unit		Directional Distribution	
		29% In	71% Out			59% In	41% Out
24	9	3	6	11	6	5	115

KSF - Thousand Square Feet  
 ADT - Average daily trips

Overall distribution of traffic is expected to be 25% to/from the east using Piehl to Starr Lane and 75% to/from the west as shown on Figure 3, Trip Distribution. The presence of raised channelization for traffic from Piehl at Hwy 95, affects route choice. The presence of a u-turn route north of Piehl does allow traffic from Piehl to access both directions of Hwy 95. However, some drivers prefer to use a traffic signal, such as the one at Hwy 95 / Kootenai Cut-off Road to access a highway such as Hwy 95. Additionally, the traffic using Starr Lane may also turn left at Kootenai Cut-off Road.

This affordable housing complex generates very low traffic volumes, and the additional vehicles added to the transportation system by it are expected to be so low as to be unnoticeable. Please let me know if you have any questions regarding this document.


Sincerely,  
**Sunburst Engineering, PS**



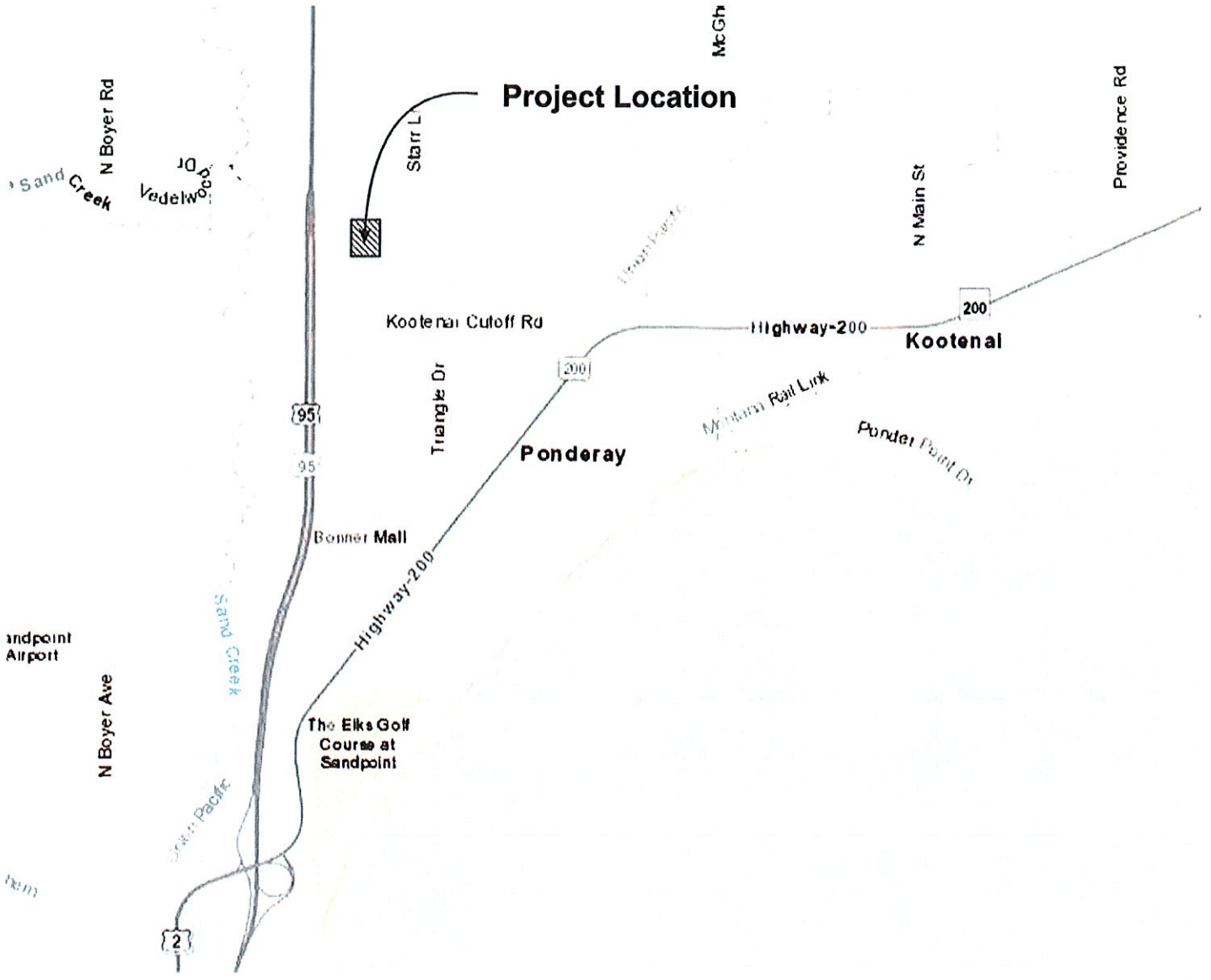
Ann L. Winkler, P.E.  
Traffic Engineer

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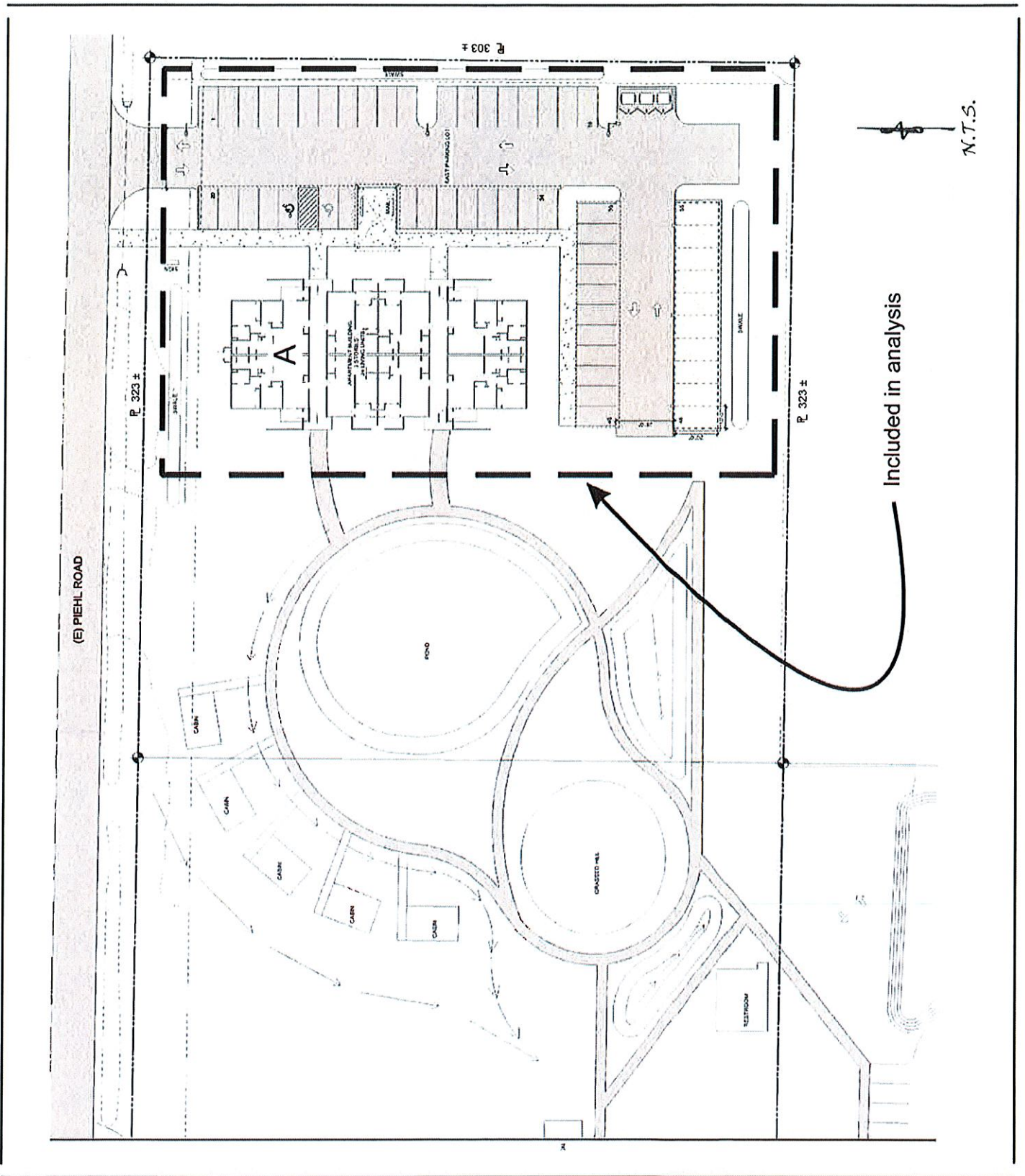
Ann L. Winkler  
5/19/22




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**Hotel Ruby Affordable Housing**  
 Trip Distribution Letter

Figure 1  
 Vicinity Map



Included in analysis

Graphic Provided by Wolfe Architectural Group

