

# Preliminary Environmental Impact Statement

Prepared by the EIS.a

## I. INTRODUCTION

This preliminary environmental impact statement was prepared as a first look into the potential effects of a proposed construction plan on existing wildlife and infrastructure existent in the given geographical area. In compliance with the National Environmental Policy Act (NEPA) and other relevant Federal and State laws and regulations, an environmental impact statement is vital for any construction, renovation, or significant land alteration project. The environmental impact statement discloses the direct, indirect, and cumulative environmental impacts that would result from the proposed action and alternatives. The document is organized into four chapters: land use, existing wildlife, existing infrastructure, and construction impacts. The land depicted in the provided images and sit for the proposed project shall be referred to as “the property”.

## II. LAND USE

EISa detected the property to be a **urban area**. Cities exist within dense populations and are a source of concentrated pollution and carbon dioxide emissions. However, cities also allow for the efficient use of space, best utilizing a given piece of land. The project, taking place in the city, allows for construction to take place without the need for added resources. Existing construction resources such as roads, equipment, and labor are readily available. Nevertheless, the lack of free space also means during the construction period, excessive sound and pollution will greatly impact the citizens of the area.

EISa detected the property to be a **public space**. By conducting construction in a public space, this greatly disrupts the day-to-day life of citizens that utilize the space regularly. However, the finished project will inherently have a high use case. Ideally, the project is utilized by all those previously utilizing the space and it will significantly increase quality of life, although, it may cause a temporary significant decrease in quality.

## III. EXISTING PLANTLIFE AND WILDLIFE

EISa has detected the presence of **trees**. Trees significantly add to the natural and greenery environment of a given space, but require maintenance and take up a non-trivial amount of room. The execution of the given project would require the deforestation of the property. This will have significantly detrimental effects on the environment and value of the space. Removal of trees will cause a decrease in air quality and result in habitat destruction for small critters and

animals. This can cause a domino effect on the ecosystem, making for an unpredictable resultant ecosystem and a frail system.

EISa has not detected any **wildlife** on the property currently. This shows that there is likely no medium or large sized animals that commonly use the property. Construction will likely not harm the ecosystem of these types of animals, but will also not create more habitat space.

## VI. EXISTING INFRASTRUCTURE

EISa detect a **sidewalk and/or pavement** on the property. Existing pavements such as streets, sidewalks, and driveways create an impermeable surface. Such surfaces do not allow rain to seep into the soil and replenish the water table, putting ground quifers and the water budget at risk. Instead, the impermeable surface cause an extreme form of runoff. This results in the erosion of streams, flash flooding, and habitat destruction. The proposed project would likely involve the destruction of the existing sidewalk and the creation of a new paved surface. This will not significantly change the current outcome of the project, but will also have no positive impacts unless more open, unpaved ground space is left open.

## V. CONSTRUCTION IMPACT

Through a through analysis of the property, EISa has determined that moving forward with the proposed project with have both many negatives and positive impacts on the environment and the surrounding community. The land use of the current property lies in a city, indicating an already urban and developed environment, showing little negative impacts if construction takes place. The property is a public space, thus there will be a temporary lapse in quality of life. There is existing plantlife and the removal of them will decrease biodiversity in the area. There is no animal life so no negative impact can be done. Existing infrastructure of a sidewalk will be similar to the end product of the proposed project. In conclusion, through the analysis of a preliminary environmental impact statement.