

When looking at the article, "Planning Ahead Raises Ethics Issues" the three main factors in this situation are cost reduction, current standards, and best practices. The owner refuses to follow the Engineer's idea to follow a 100-year plan due to increased costs. There is no building code in place in the area so, there is the debate on whether the engineer should report the situation and or be required to follow the proposed 100-year plan. The last factor is sustainable development. This factor is important in determining the ethics of reporting a threatened species that may be affected with the project. The ranking of this would be the public safety put first, the lack of coding regulations put next, sustainability, and finally the cost considerations.

One alternative to this would be getting another engineer's opinion on the situation and having a meeting with everyone involved. Testing of all things should occur and a report stating all of the pros and cons of each possibility should be reported. In this case, the conclusion of the report seems to be the most ethical. In the conclusion, the client is advised of what should be done and why. Because the client refuses to listen to the recommendation, it was ethical for the engineer to report the situation in order to reduce risk to the general public. It is also ethical for the engineer to remove themselves from the project as they are personally involved and the client is refusing to listen to their recommendation.

I personally agree with the conclusion of this case. I think that in order to be ethical, the engineer needs to report the situation to the public in order to stop the building from happening in the future. If the health of the public is at risk, there should be coding in place that may be created with the reporting of this case. I believe that the written reports ethically should be shared to the public so that the risks are known for future developers. The final decision to withdraw from the project is also an ethical one. Engineer A is in a position where if they follow the ethics, they are going above the client and causing a certain outcome that the developer does not want.

<https://www.nspe.org/resources/pe-magazine/september-2019/planning-ahead-raises-ethics-issues>