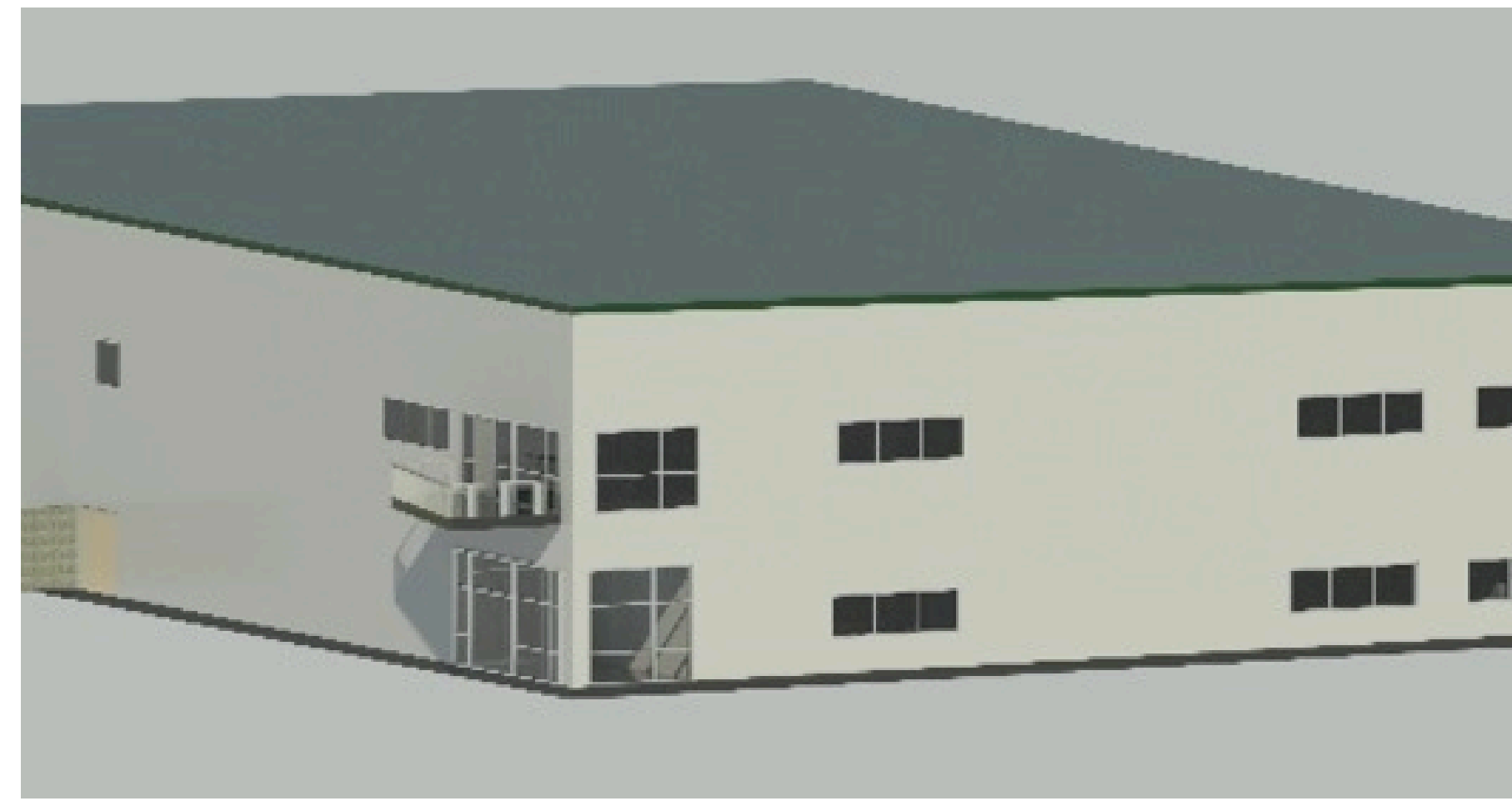


## Site Location

Muchler Community Center is located in Bloomfield, IA

## Project Scope

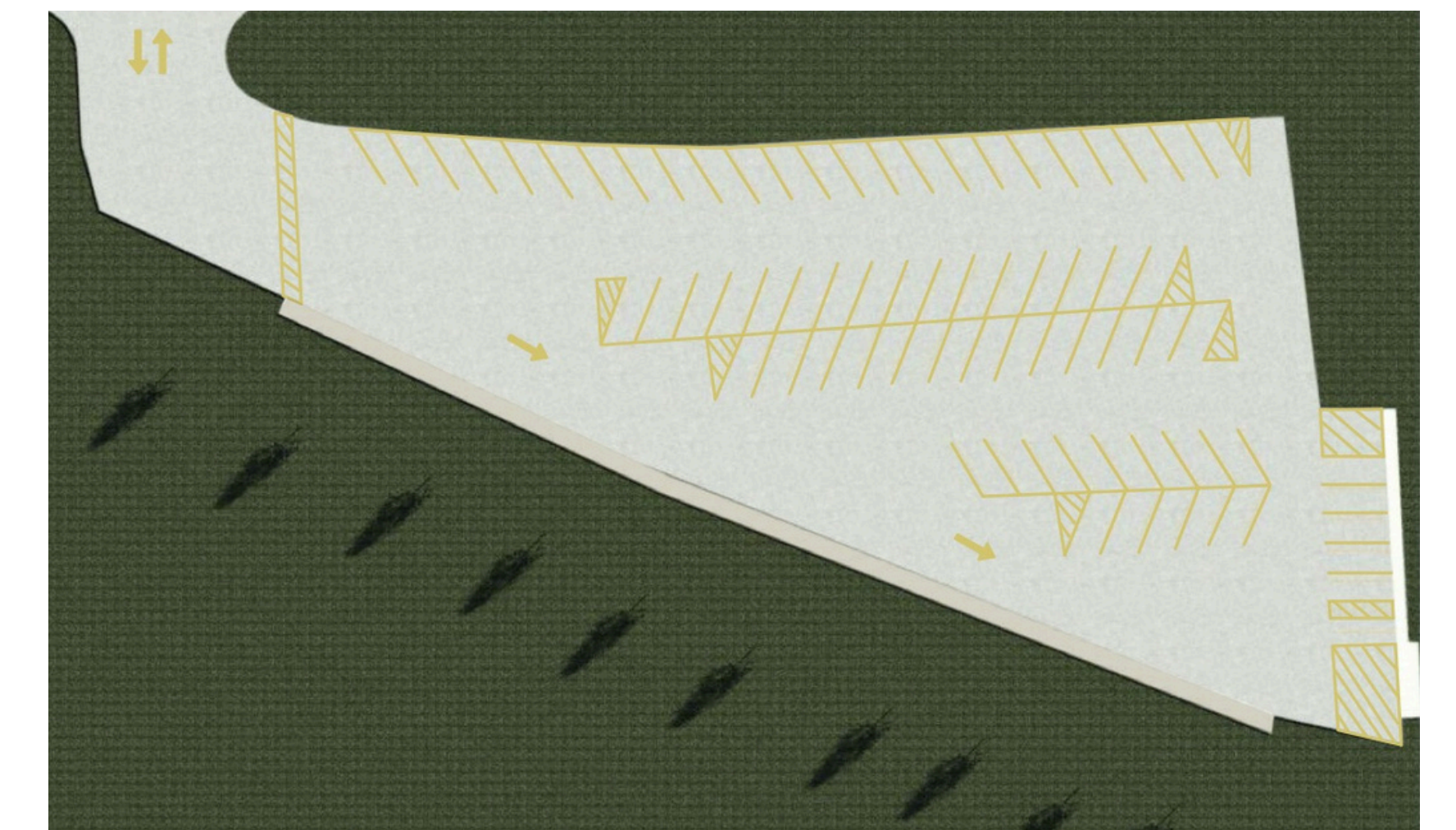
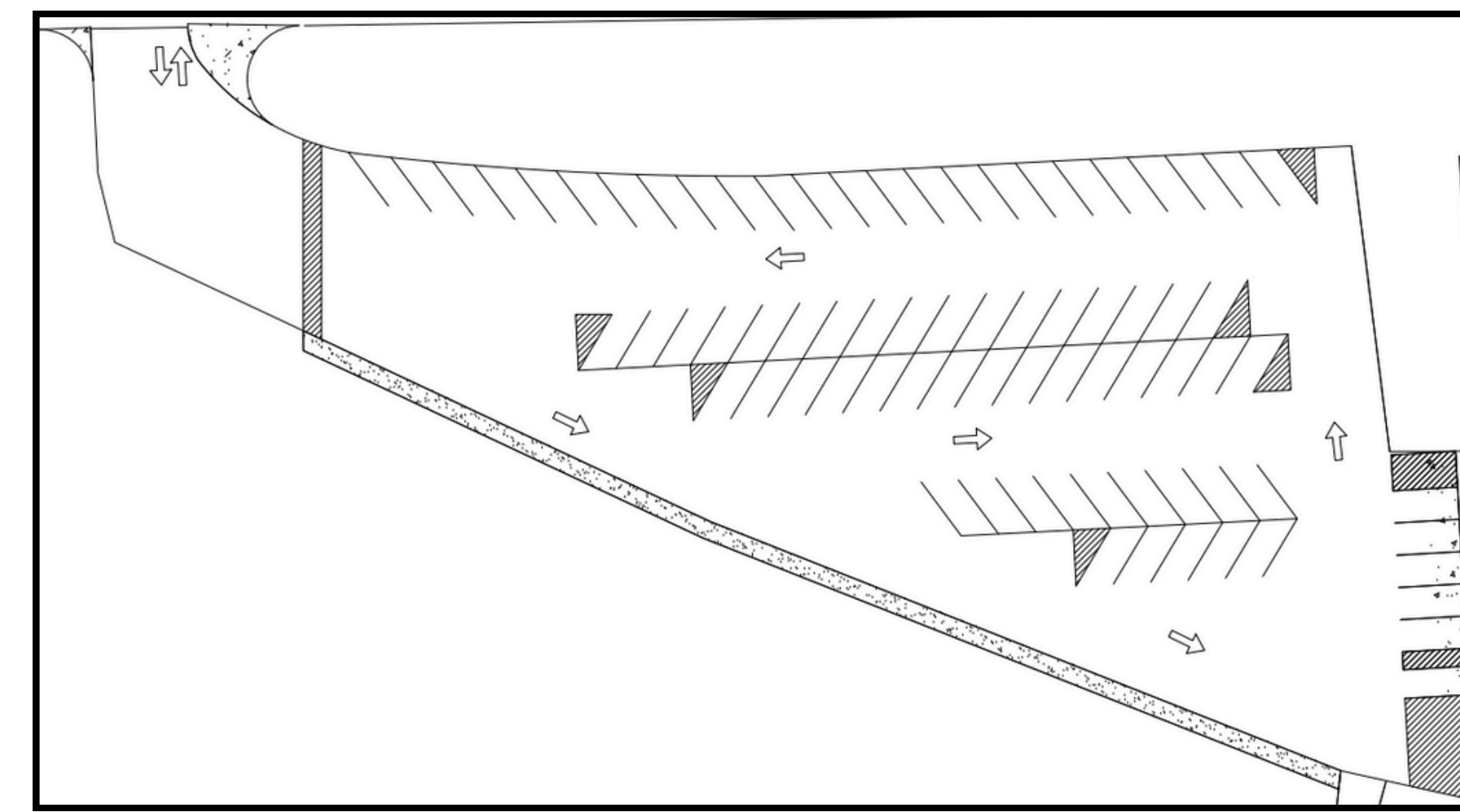
The parking lot has traffic congestion issues along with not being ADA compliant. There is an erosion issue on the east side of the building. The entrance facade is not ADA accessible and there are areas inside the building not being utilized.



## Parking Lot

**Objective:** Improve the traffic flow and make the parking lot ADA compliant

**Solutions:** Changing the layout to 60 degree stalls with one-way isles to improve traffic flow. The entrance is also widened to allow for cars to enter and exit at the same time and a sidewalk was added to help pedestrians safely cross the parking lot.



## Facade

**Objective:** Improve accessibility into the building

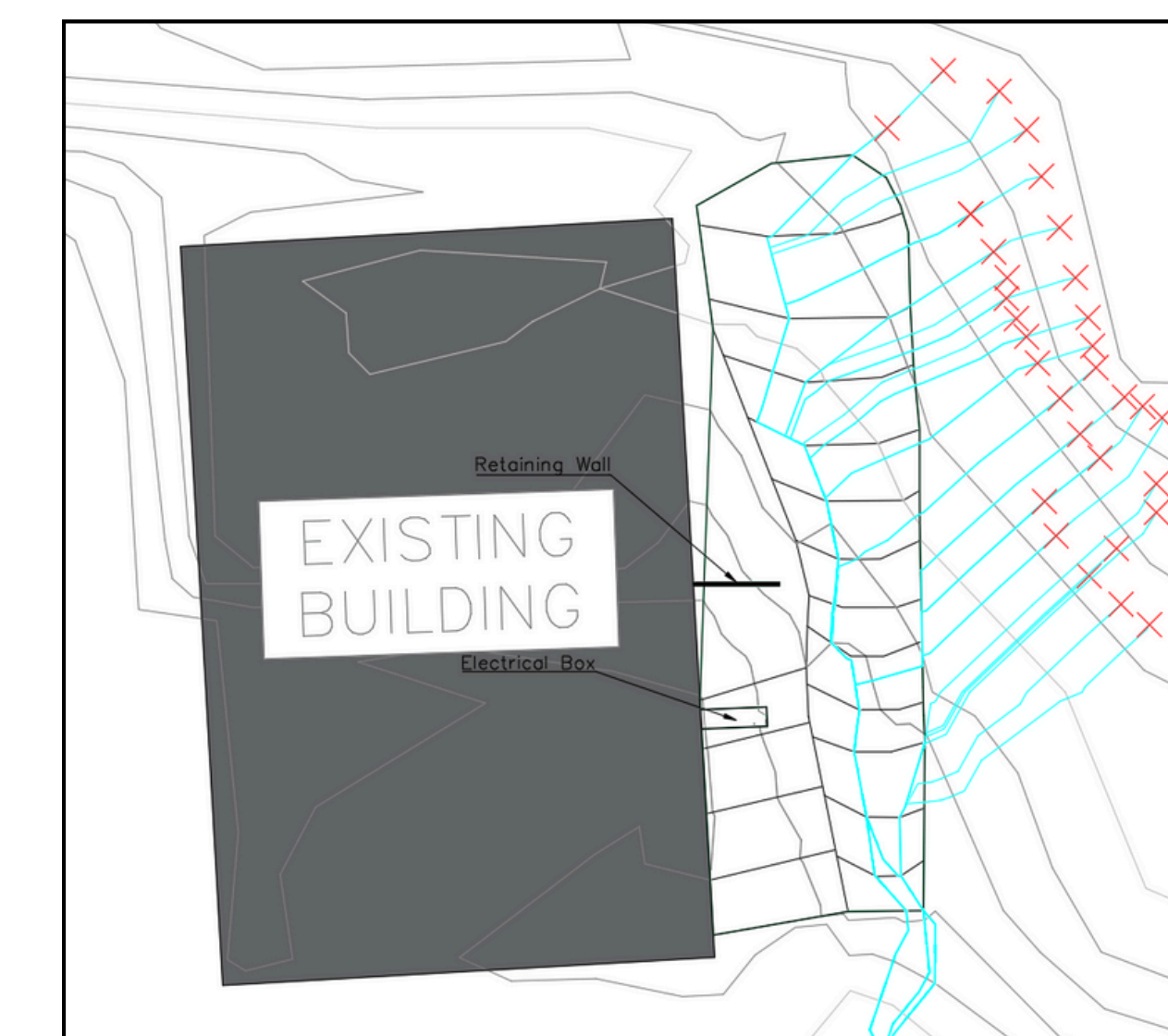
**Solution:** A sliding glass door is recommended for the building entrance. This will follow ADA guidelines and eliminate the possibility of further wind damage.



## Erosion Control

**Objective:** Improve existing erosion on east side of the building

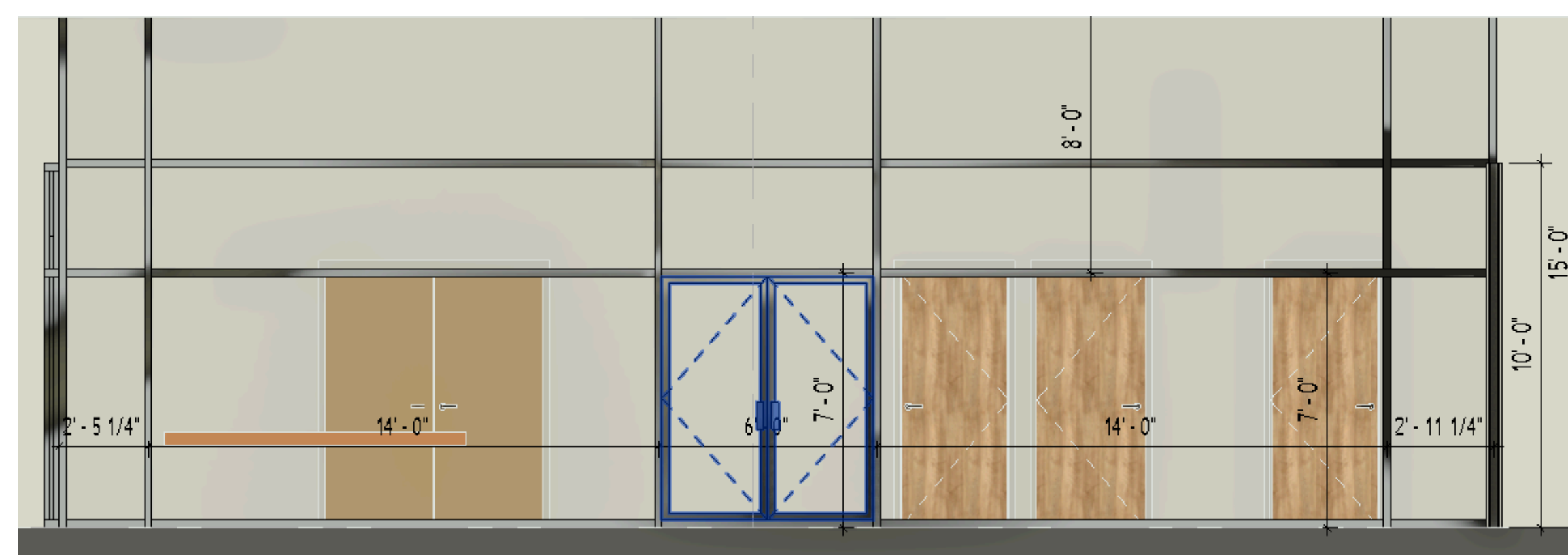
**Solution:** A swale was designed to control the flow paths of the water so they are redirected from the retaining wall erosion.



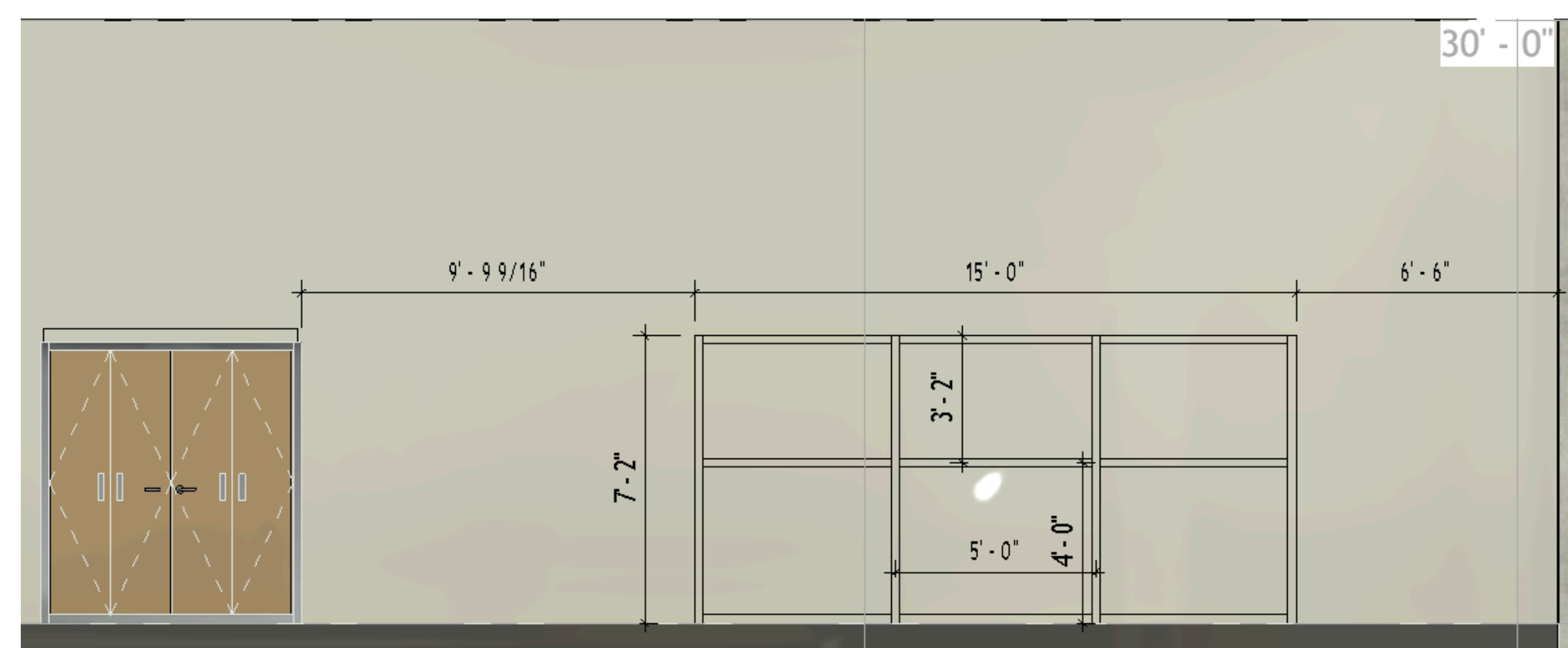
## Interior Layout

**Objective:** Provide more divided and utilized areas in the building

**Solution:** An enclosed partition room for the game room is designed to separate it from the weight area. The upstairs area in front of the balcony is recommended to be furnished to better utilize the empty space and adding windows to the adjacent ballroom will open up the space.



Game Room



Ballroom

## Project Cost

Category	Total Cost
Parking Lot	\$17,305.00
Swale	\$8,650.00
Facade	\$19,000.00
Interior Layout	\$35,335.00

Architectural Fees	\$2,675.00
Construction Management Fees	\$6,025.00
Engineering Fees	\$2,000.00
Contingencies	\$8,025.00
Factored Allowances	\$800.00
Permits	\$400.00
<b>Total Project Cost</b>	<b>\$100,215.00</b>

## Conclusion

These final designs are based on the client's preferences and economical design.

## References

Design manual. Iowa Statewide Urban Design and Specifications. (2023, December 19). <https://iowasudas.org/manuals/design-manual/>

Gordian. (2023). RSMears Data 2024.

IowaDOT 2007-10 two foot contours county downloads. geodata. (2020). <https://geodata.iowa.gov/pages/two-foot-contours-county-downloads>

American Institute of Architects. Architectural Graphic Standards: Student Edition. Edited by Bruce Bassler, 11th ed., John Wiley & Sons, 2008.