

# Maquoketa Quadplex Design Presentation

By: Rosie Byersdorfer, Nick Covello,  
Lucas Dahlborn, and Grant Jensen

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# IOWA

Civil and Environmental  
Engineering

# Meet the Team



Rosie Byersdorfer:  
Project Manager



Nick Covello



Lucas Dahlborn



Grant Jensen

# Overview



**Client Contact**



**Project Goals and  
Requirements**



**Design Details**



**Construction  
Cost Estimates**

# Client Contact

Joshua Boldt

City of Maquoketa City Manager





# Project Goals



Jackson Country Fair Grounds



Burling Game Park





# Project Requirements





Site 2

Site 4

Site 1

Platt St

Highway 64

Highway 61

Main St

Highway 64

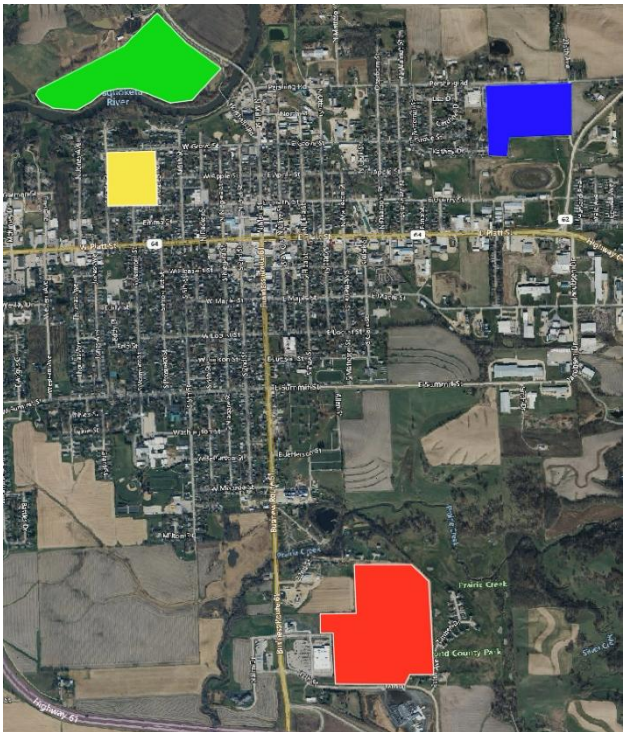
Site 3

Potential Site Locations





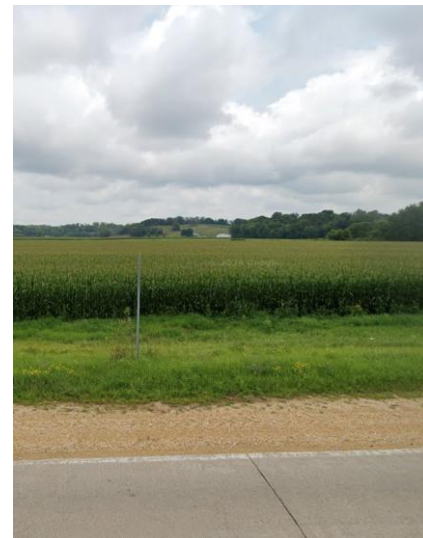
# Site Evaluation



Site 1



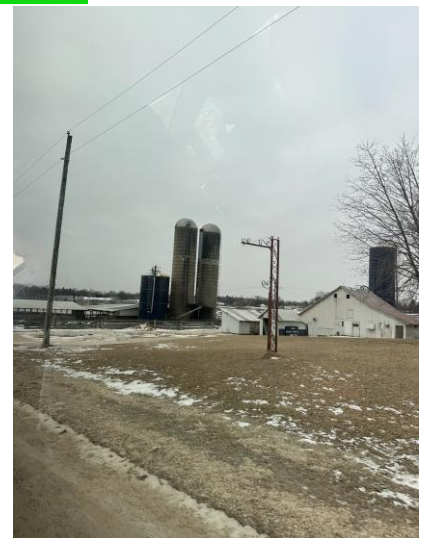
Site 2



Site 3

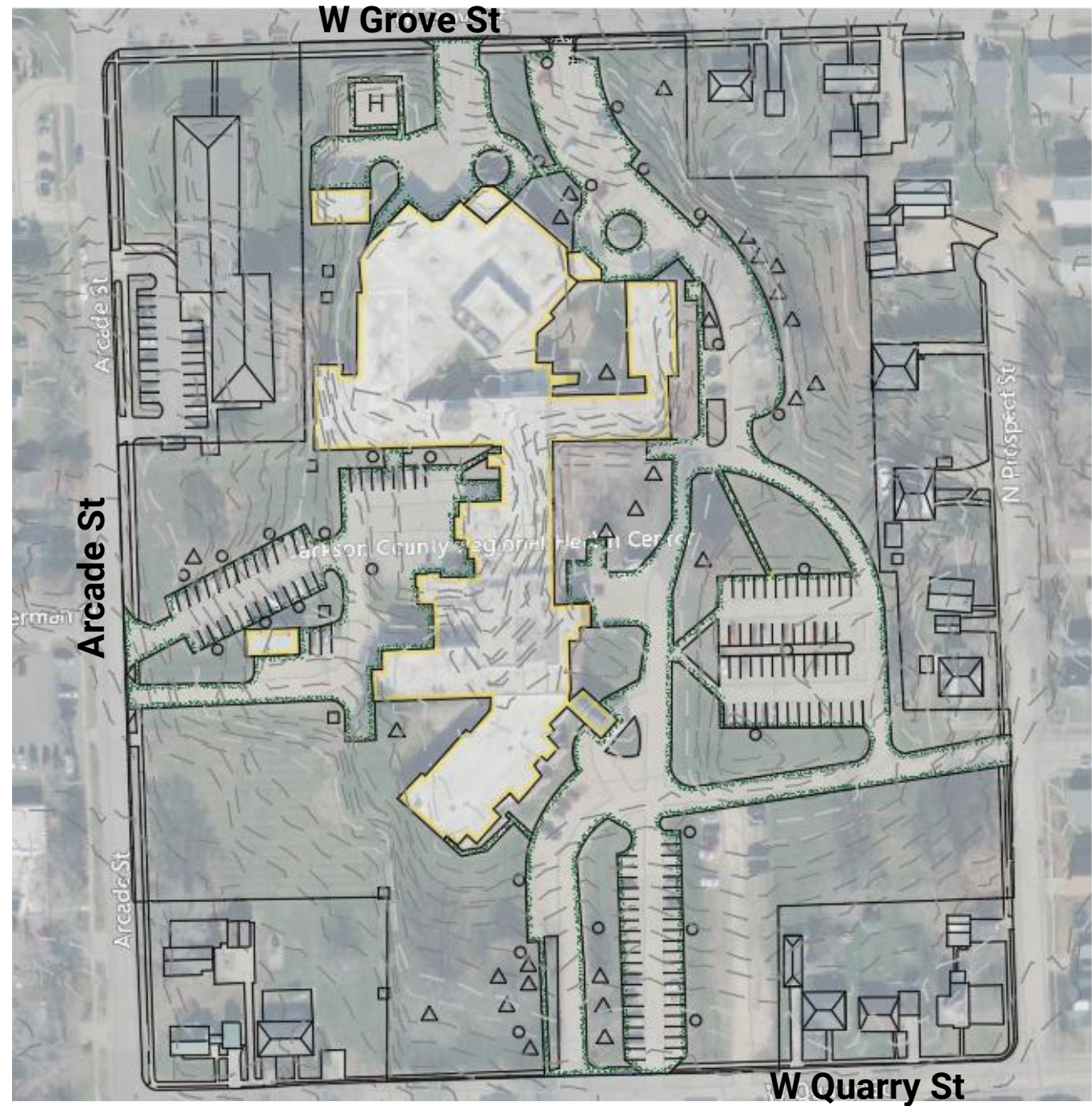


Site 4



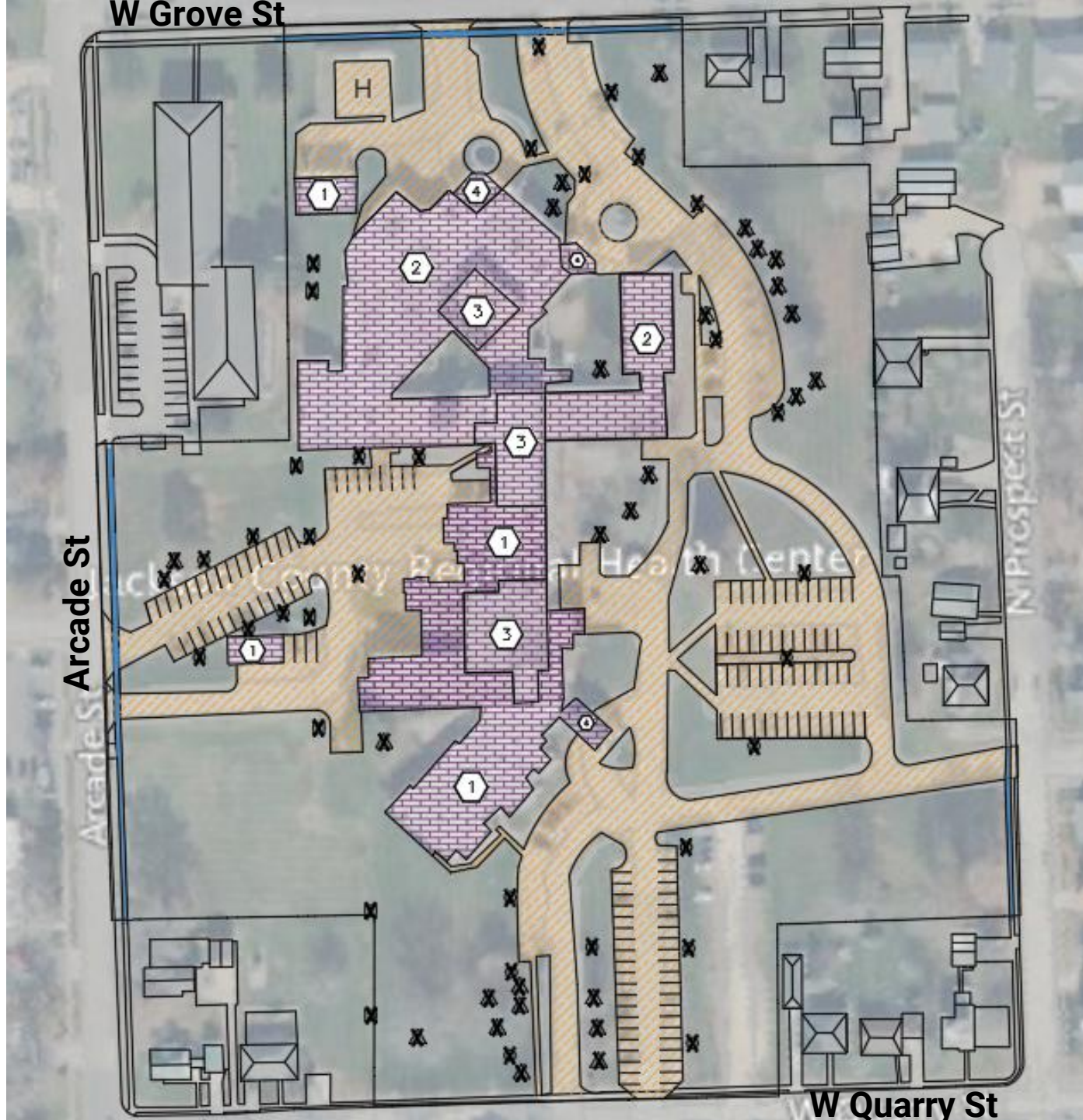


# Existing Conditions



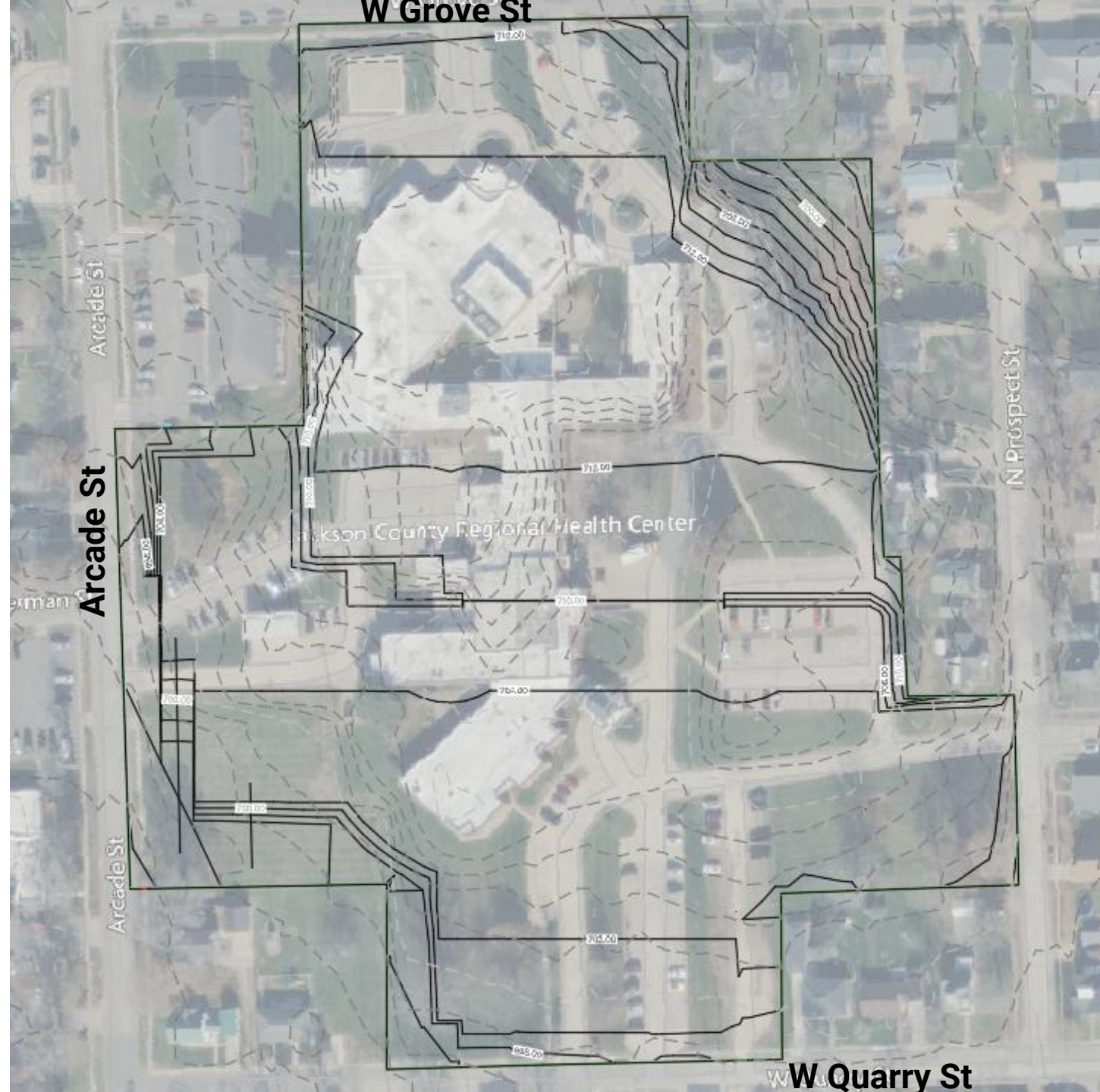
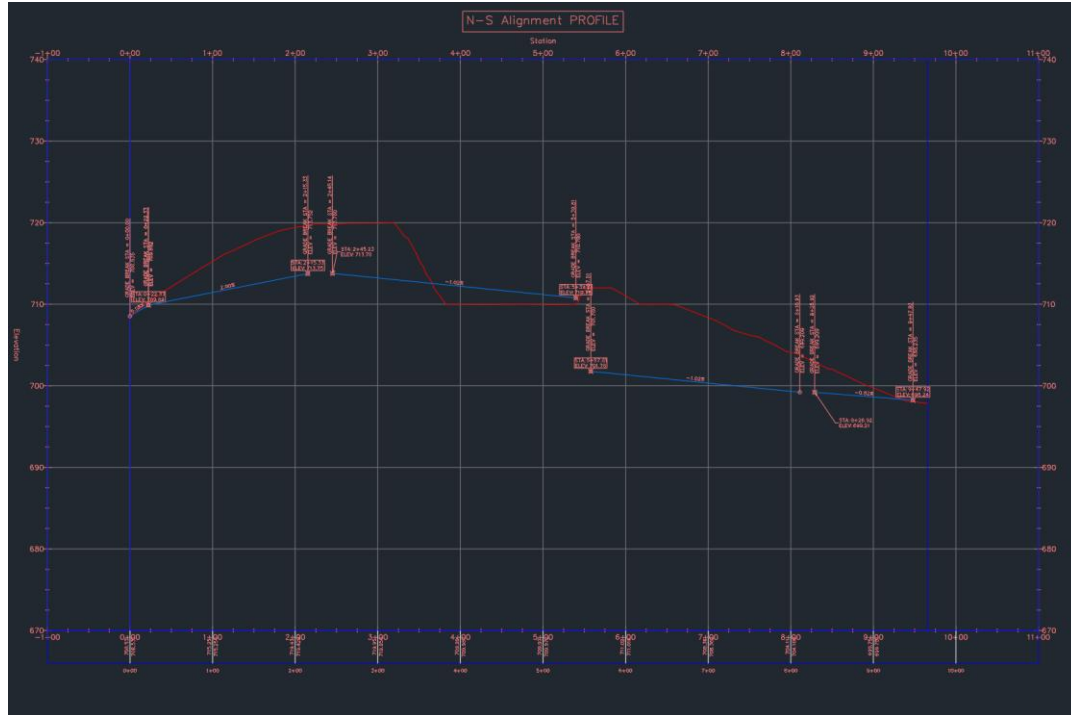


# Site Preparation



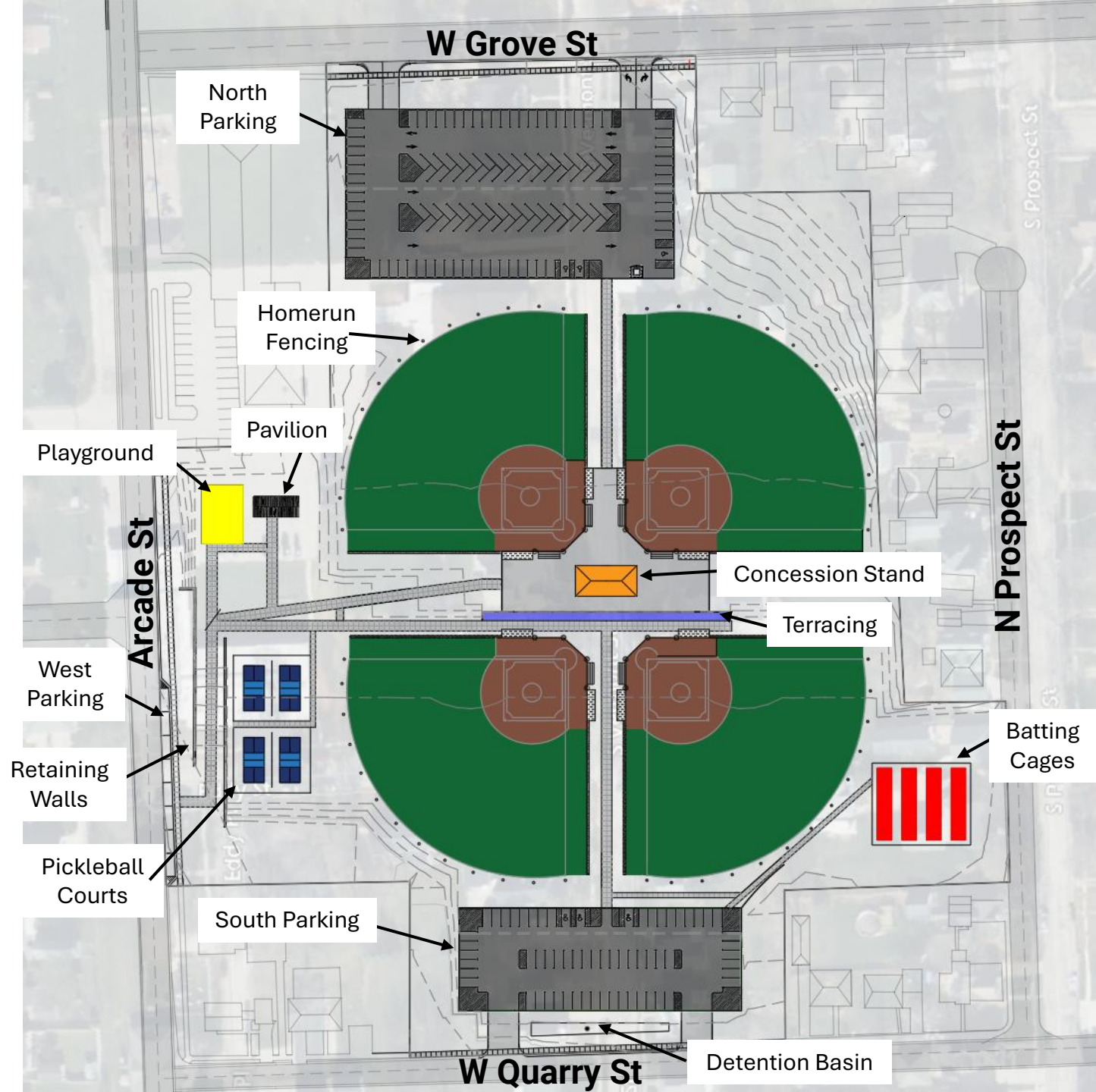


# Site Grading



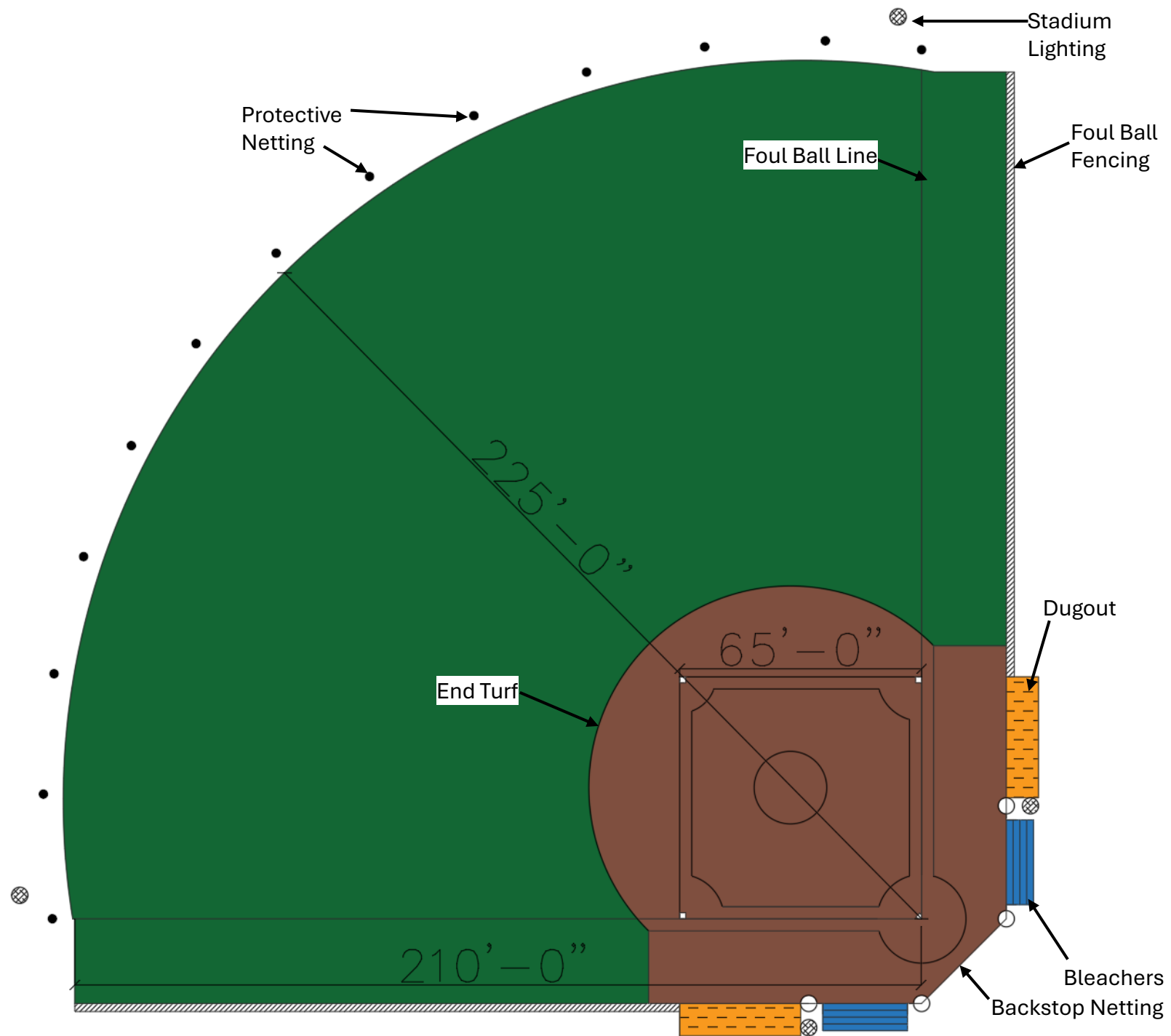
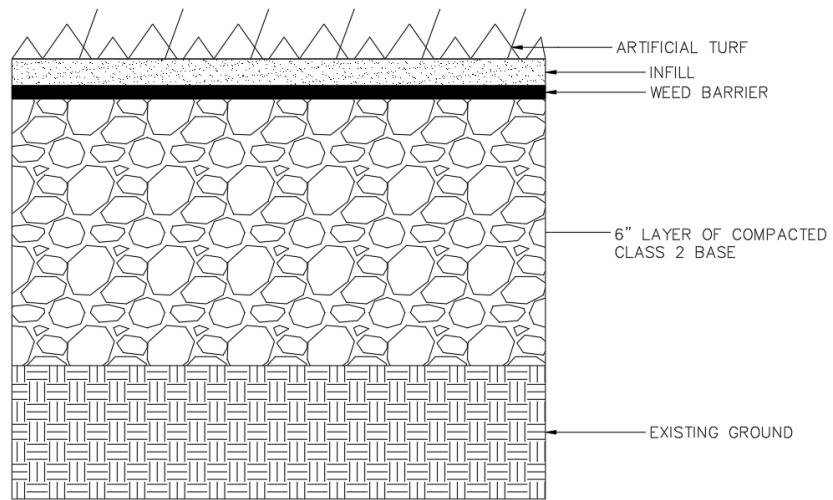


# Site Layout



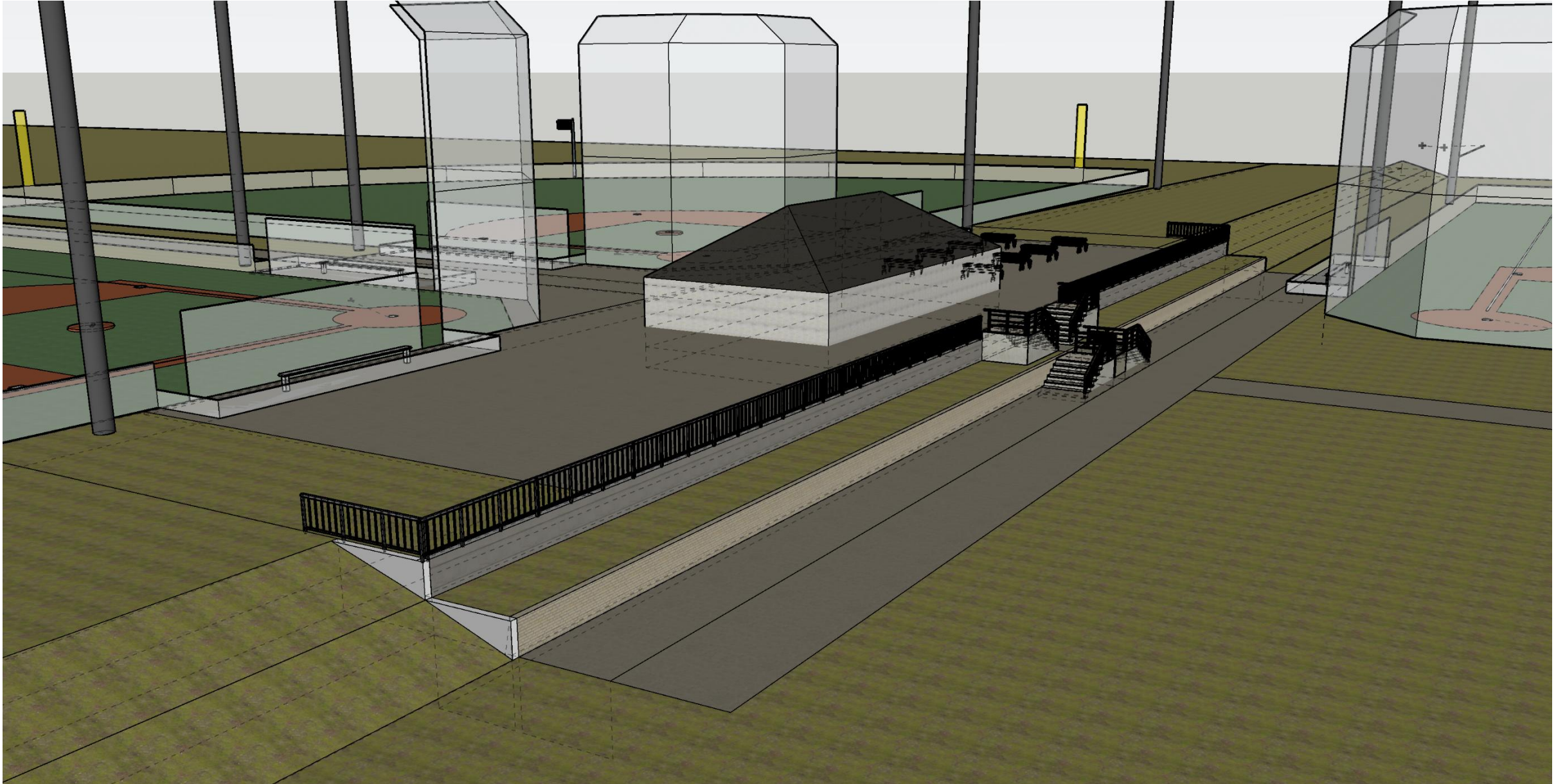


# Field Details



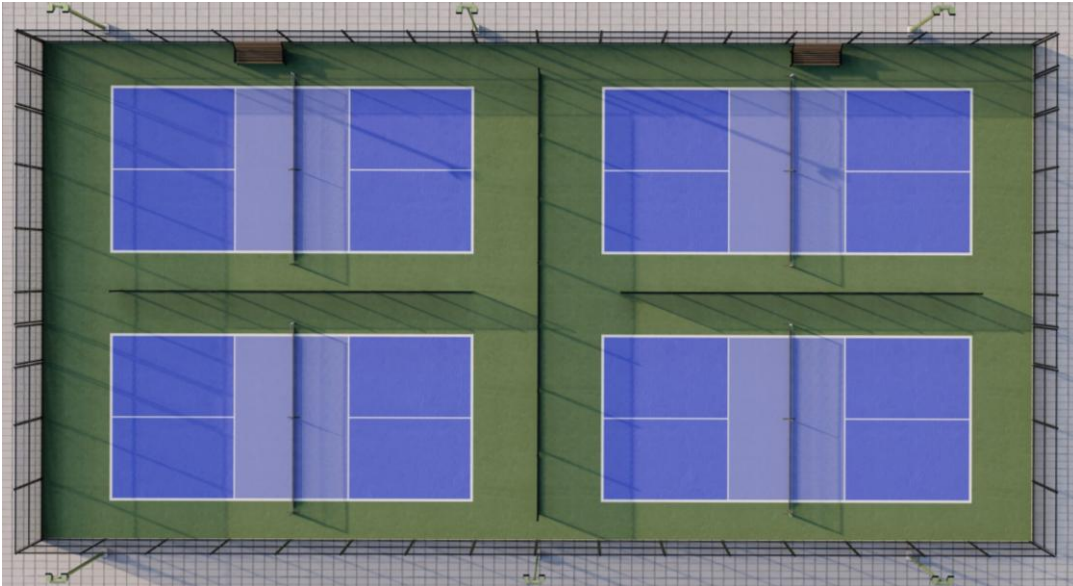


# Terracing



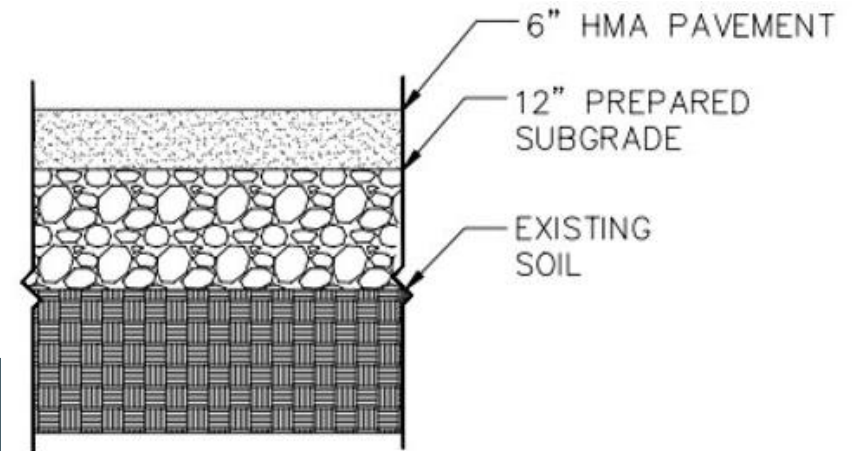
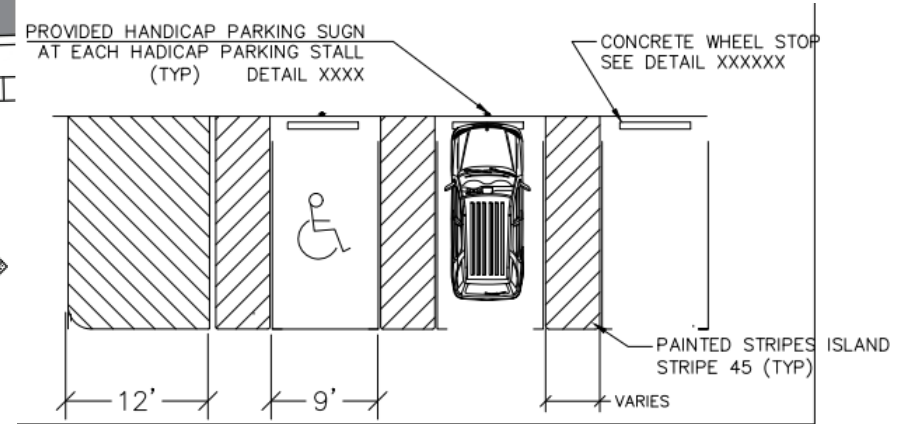
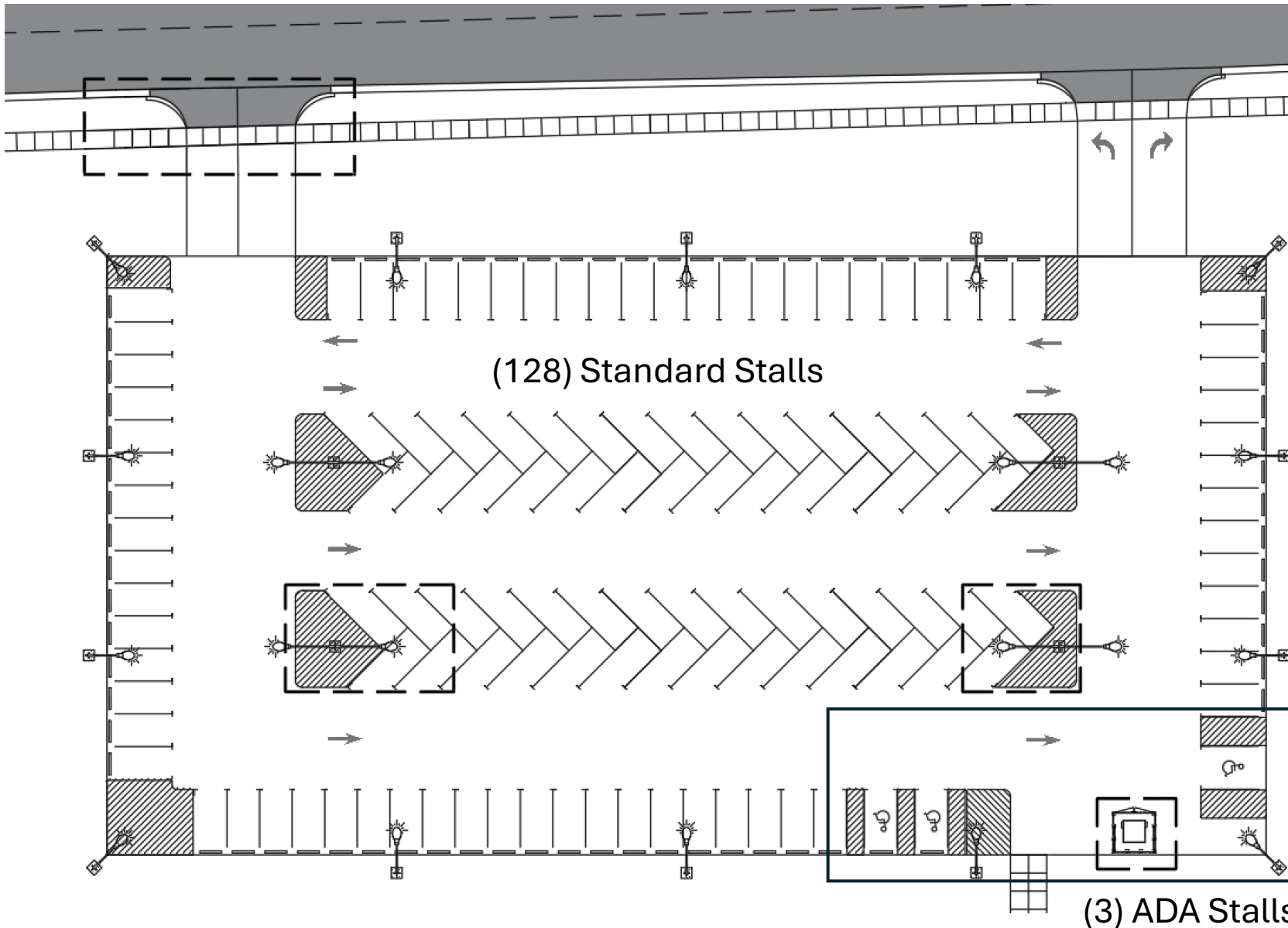


# Additional Recreational Facilities



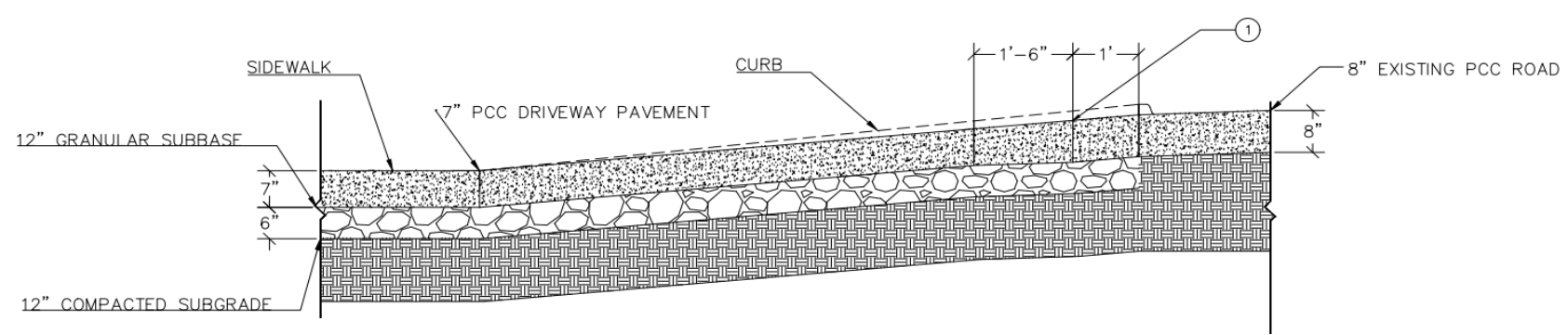


# North Parking

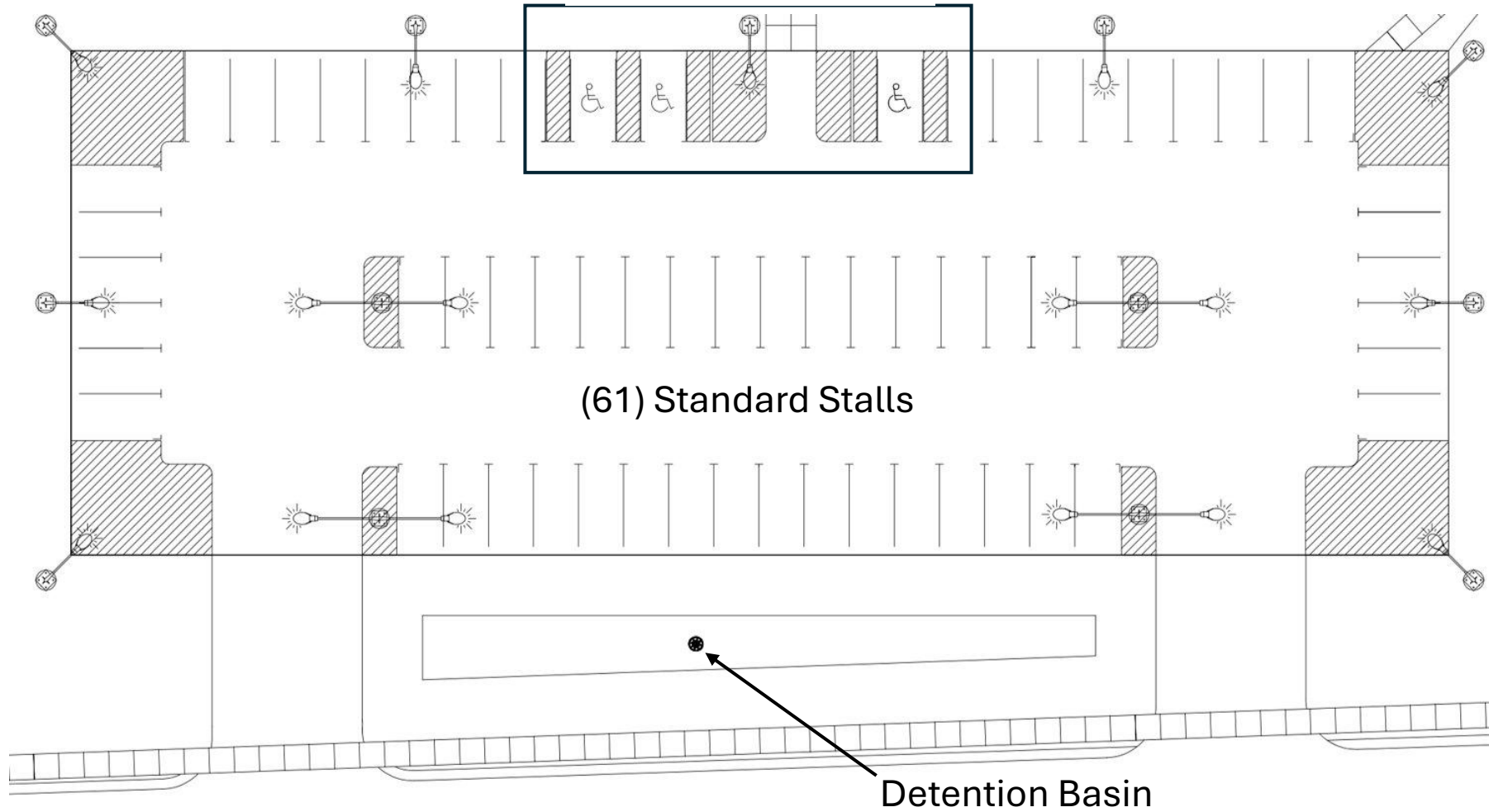




# South Parking

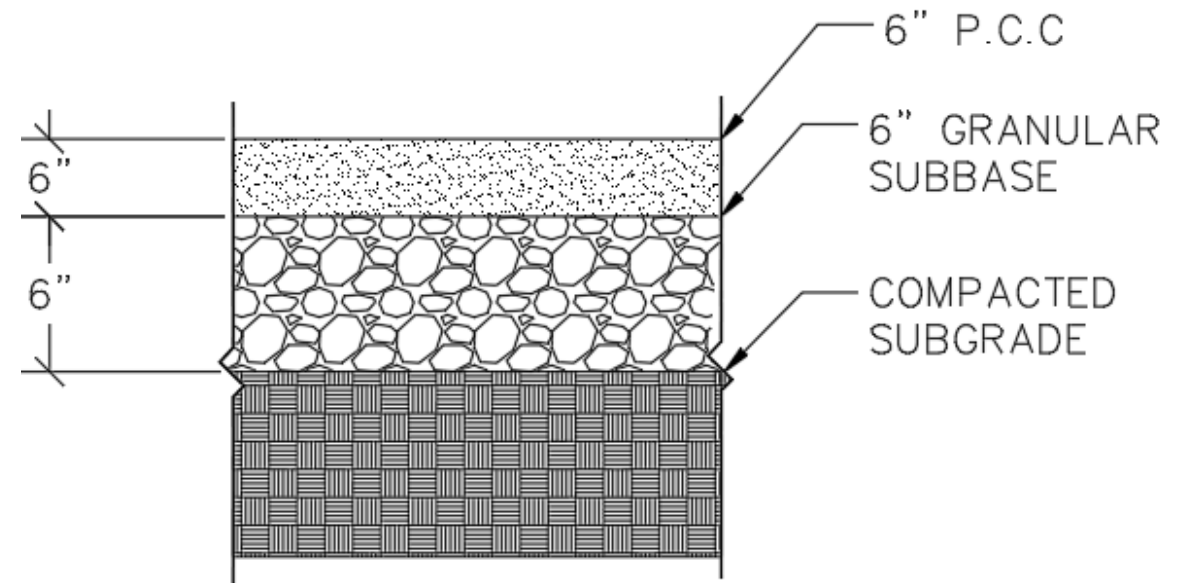
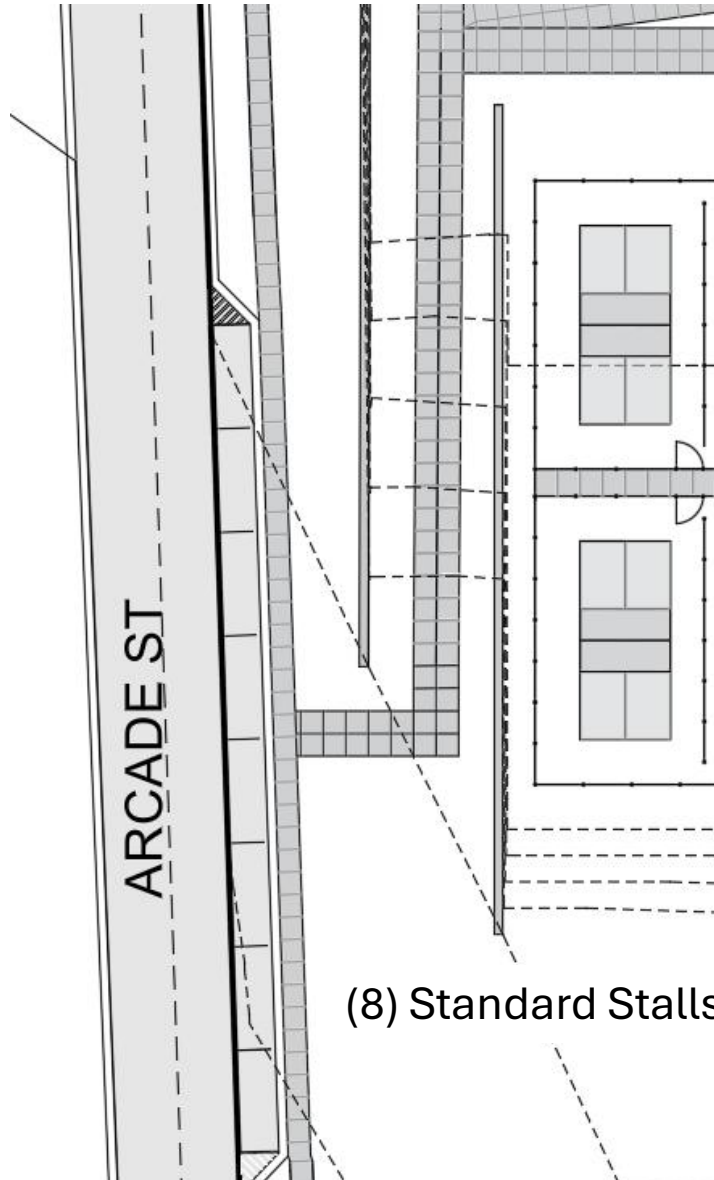


(3) ADA Stalls



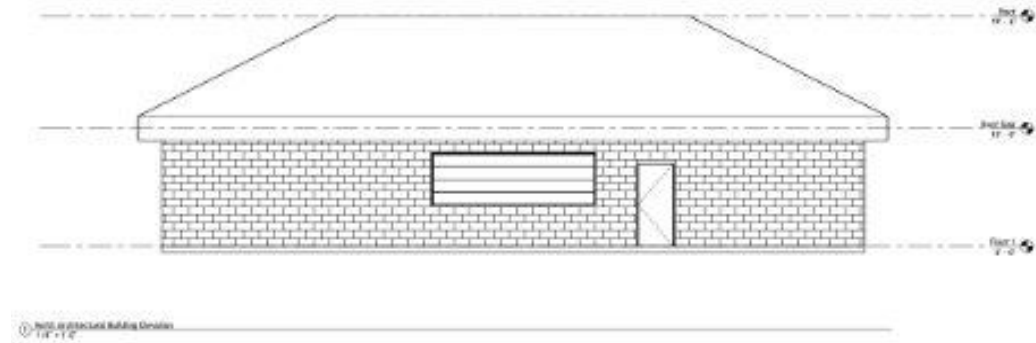
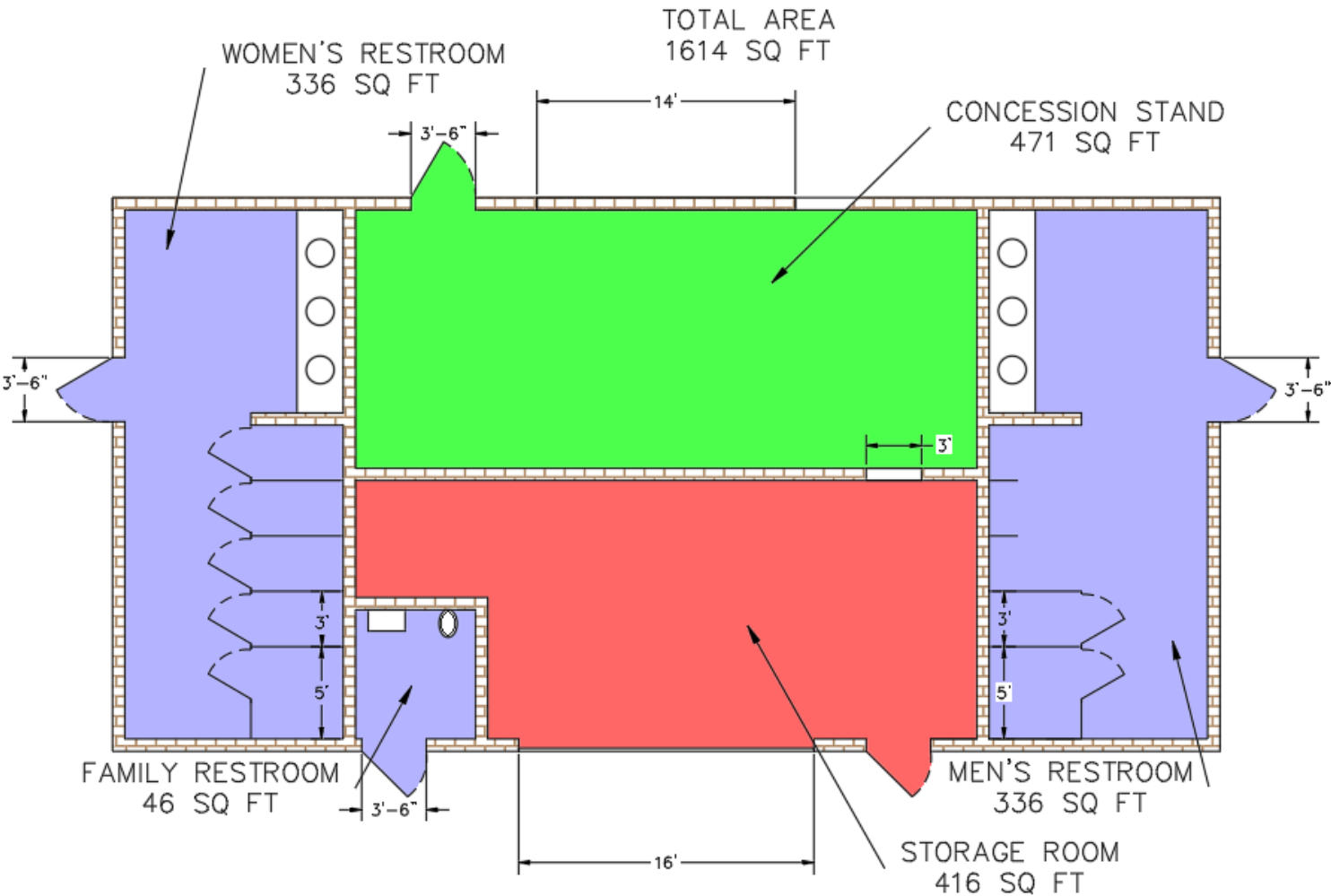


# West Parking





# Concession Building

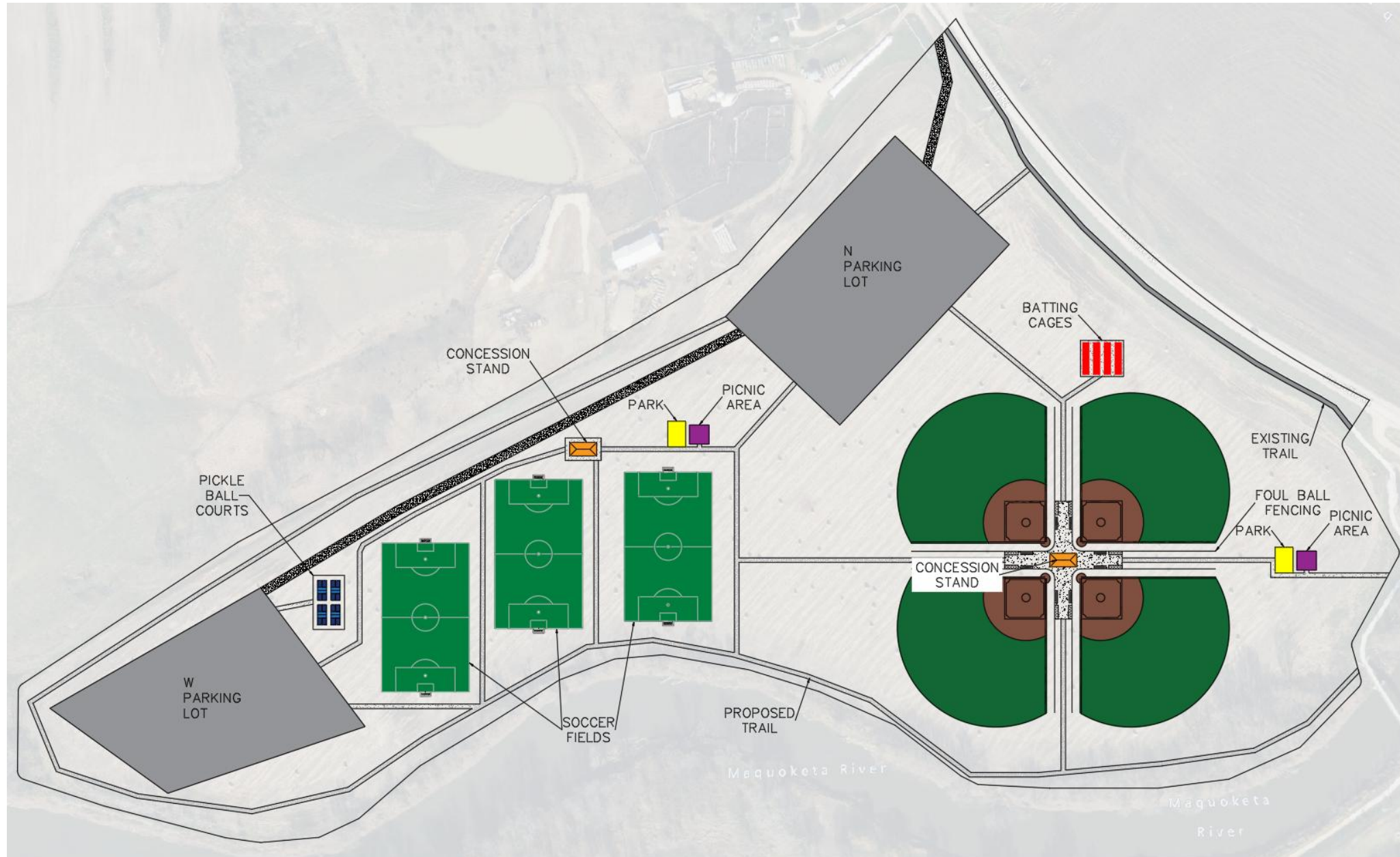




# Construction Cost Estimate (Site 1)

| Item Description                   | Total Cost         |
|------------------------------------|--------------------|
| Demolition                         | \$1,226,103        |
| Site Preparation                   | \$702,669          |
| Concrete                           | \$908,643          |
| Hot Mix Asphalt                    | \$267,667          |
| Concession Stand                   | \$450,000          |
| Site Finishes                      | \$1,290,984        |
| Utilities                          | \$231,945          |
| 10% Contingences                   | \$507,801          |
| 20% Engineering and Administration | \$1,015,602        |
| <b>Total Construction Cost</b>     | <b>\$6,601,413</b> |

# Site Design 2





# Construction Cost Estimate (Site 2)

| Item Description                   | Total Cost         |
|------------------------------------|--------------------|
| Site Preparation                   | \$210,388          |
| Concrete                           | \$1,177,780        |
| Hot Mix Asphalt                    | \$793,915          |
| Concession Stands                  | \$900,000          |
| Site Finishes                      | \$3,564,495        |
| Utilities                          | \$456,320          |
| 5% Contingences                    | \$285,830          |
| 10% Engineering and Administration | \$571,660          |
| <b>Total Construction Cost</b>     | <b>\$6,574,087</b> |

# Questions?



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