Sidney Park Expansion

BTG Engineering Team

Emerson Peaslee

Project Manager
Environmental Lead

Olivia Fletcher

Graphics Editor
Site Development Lead

Dillon Moore

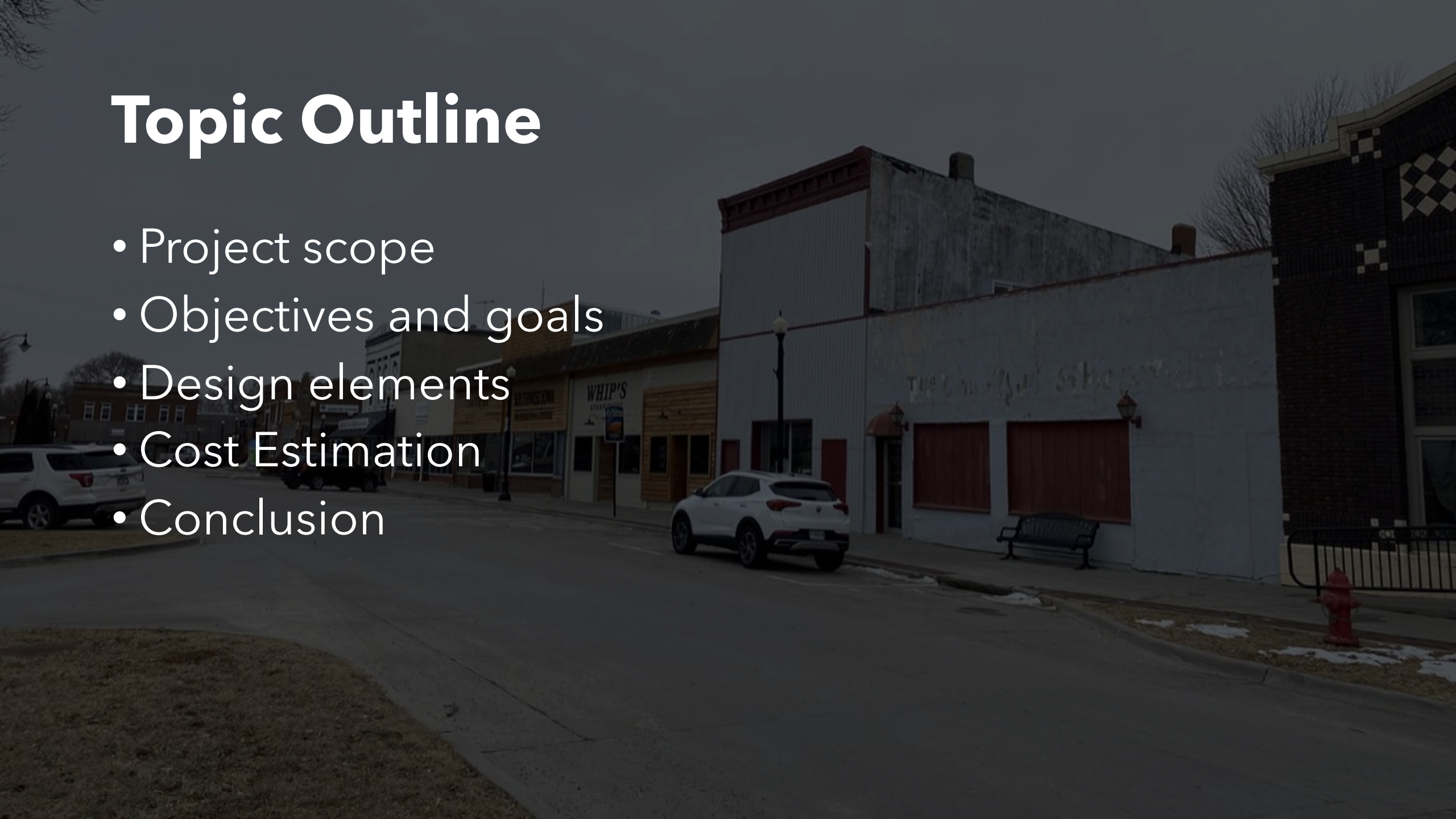
Text Editor
Structural Lead

Colin Cothern

Technology Service
Civil Design Lead

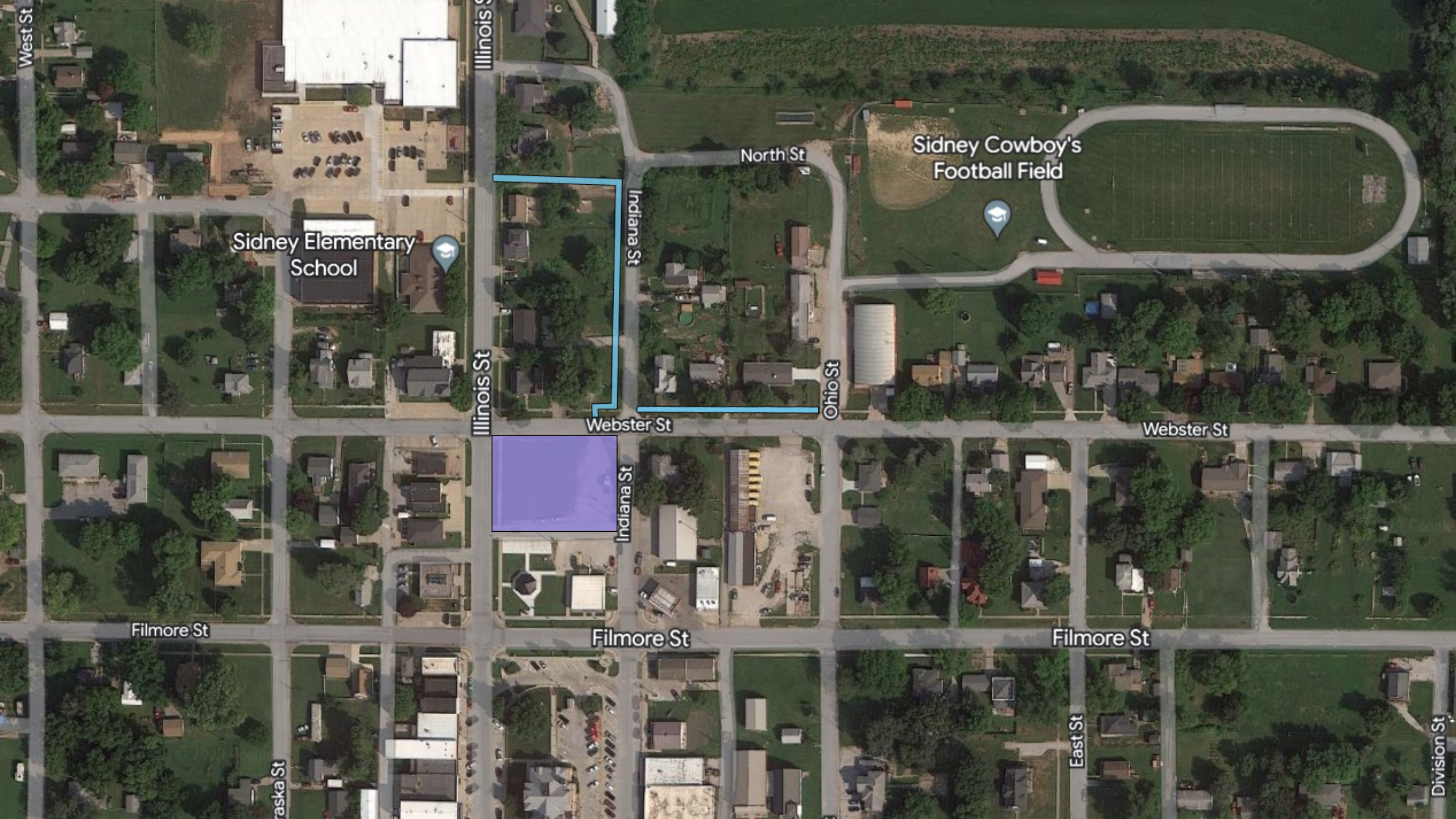
Topic Outline

- Project scope
- Objectives and goals
- Design elements
- Cost Estimation
- Conclusion

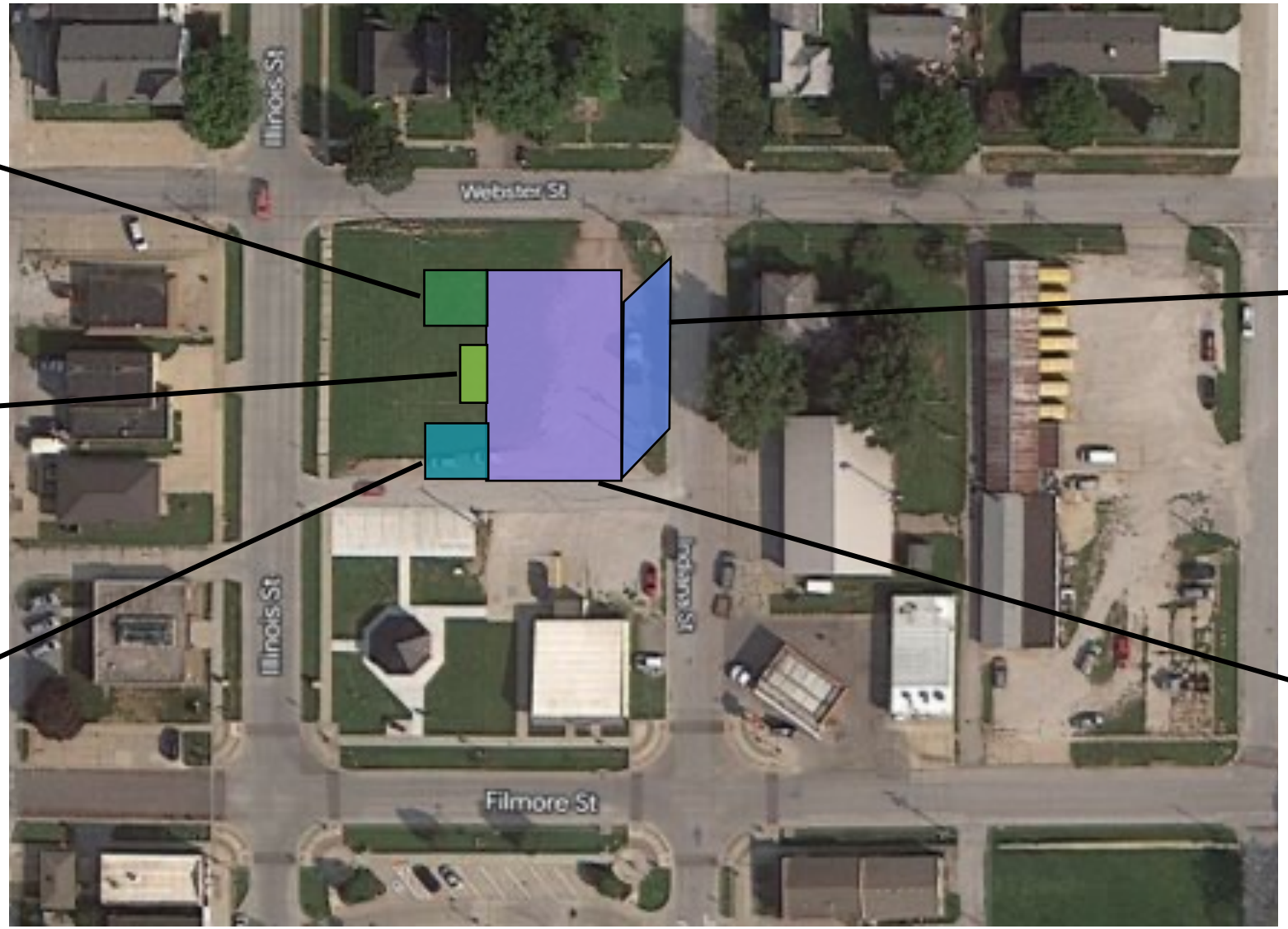


Goals and Objectives

- Create deliverables that can be used in grant applications
- Multipurpose court
- Stormwater management
- On-site parking
- ADA compliant restroom
- Connecting Trail

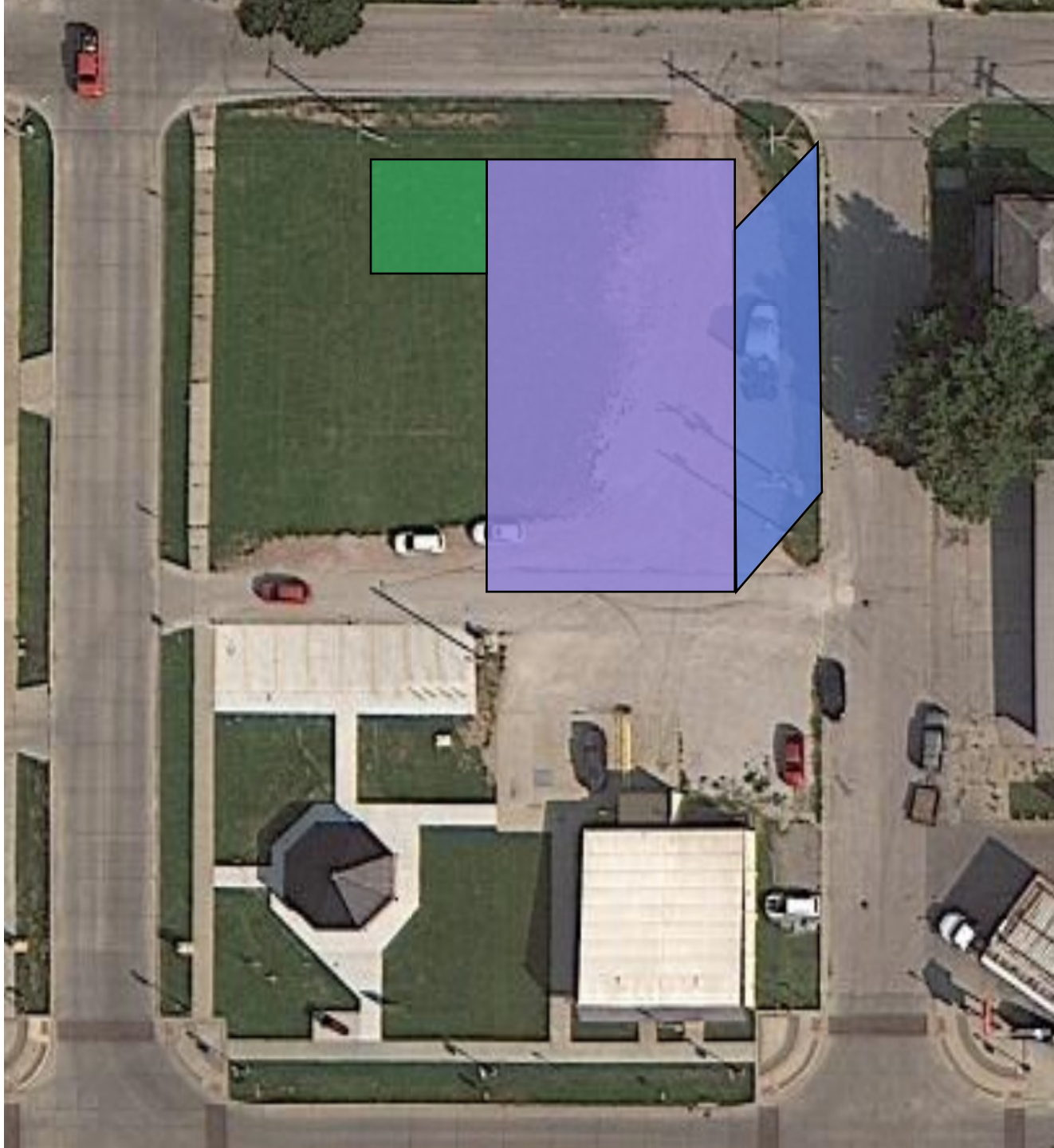

West St
Illinois St
North St
Sidney Cowboy's
Football Field
Sidney Elementary
School
Indiana St
Illinois St
Ohio St
Webster St
Webster St
Indiana St
Filmore St
Filmore St
Filmore St
East St
Division St

Site Layout

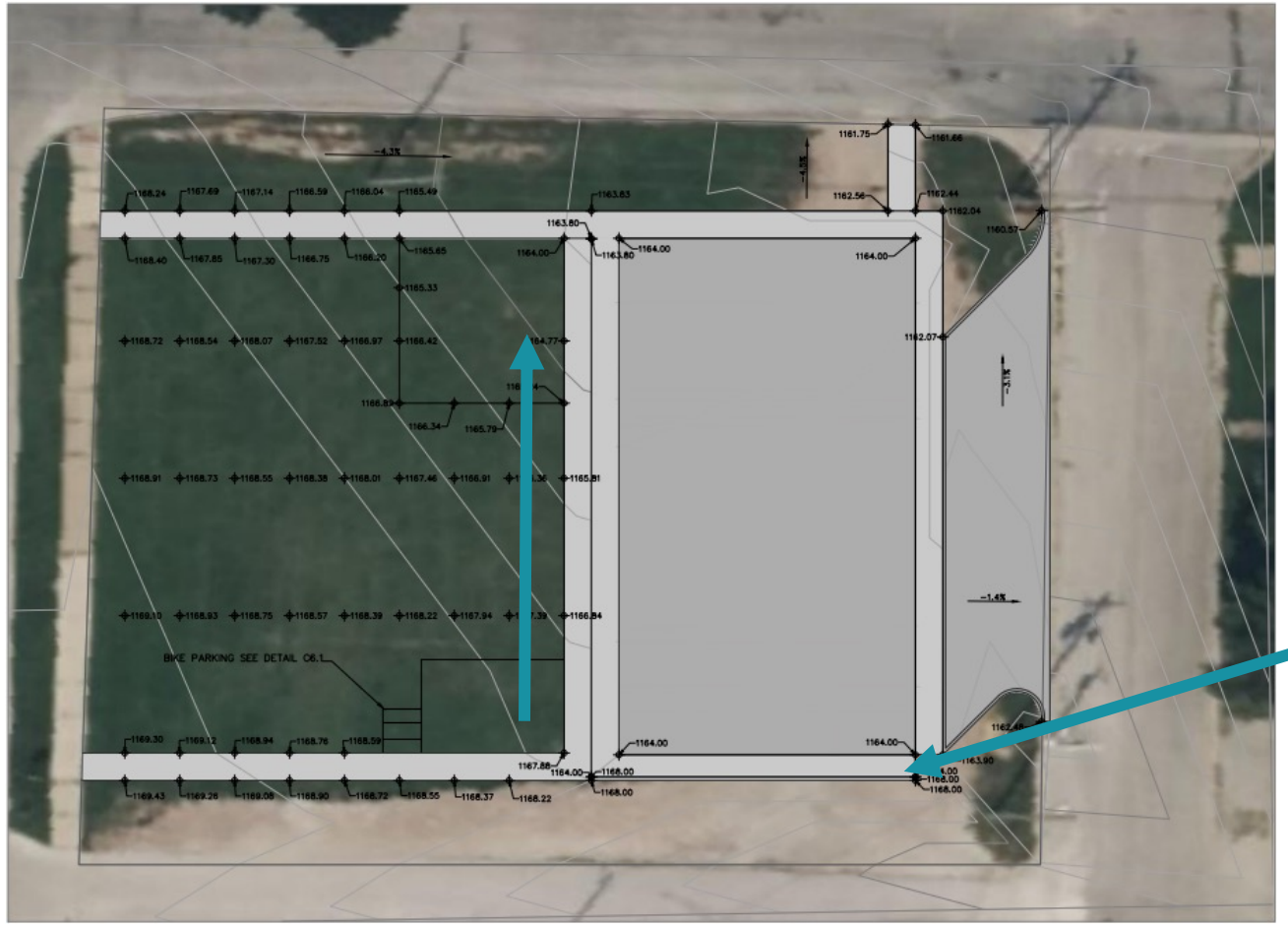

Rain Garden
Swing Set
Restroom
Parking Lot
Multipurpose Court
Illinois St
Webster St
Illinois St
Adams St
Filmore St

Phase 1

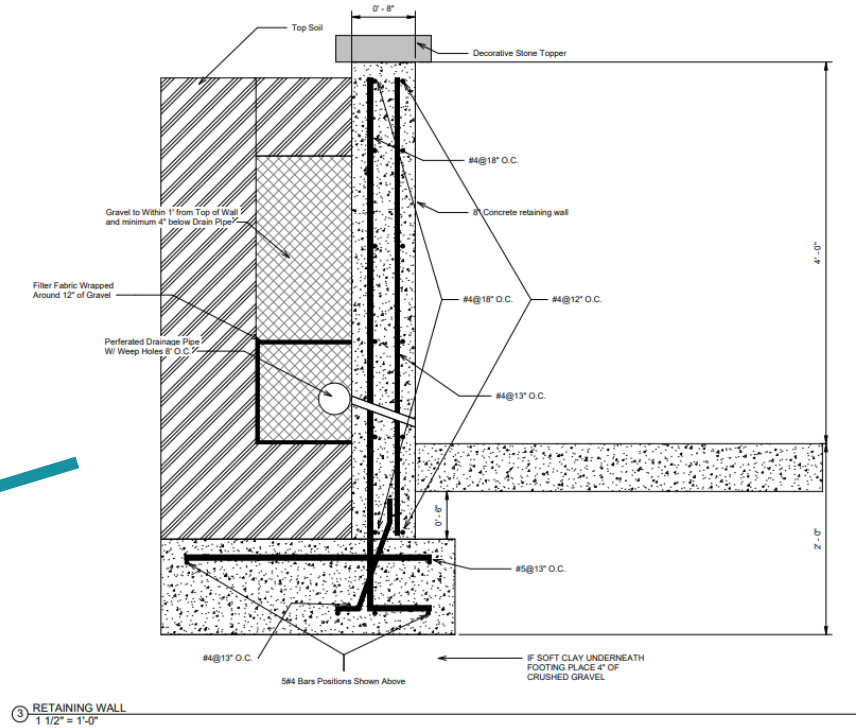
- **Multipurpose Court**
- **Parking Lot**
- **Rain Garden**
- Cost Estimate: $140,100



Grading Plan



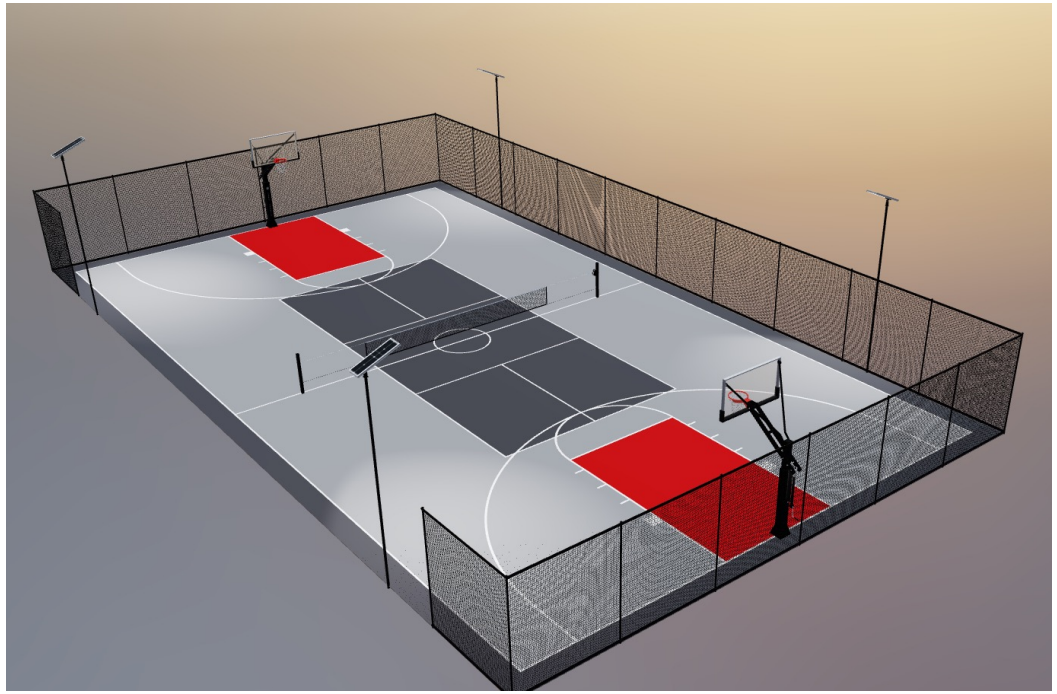
Proposed Site Grading

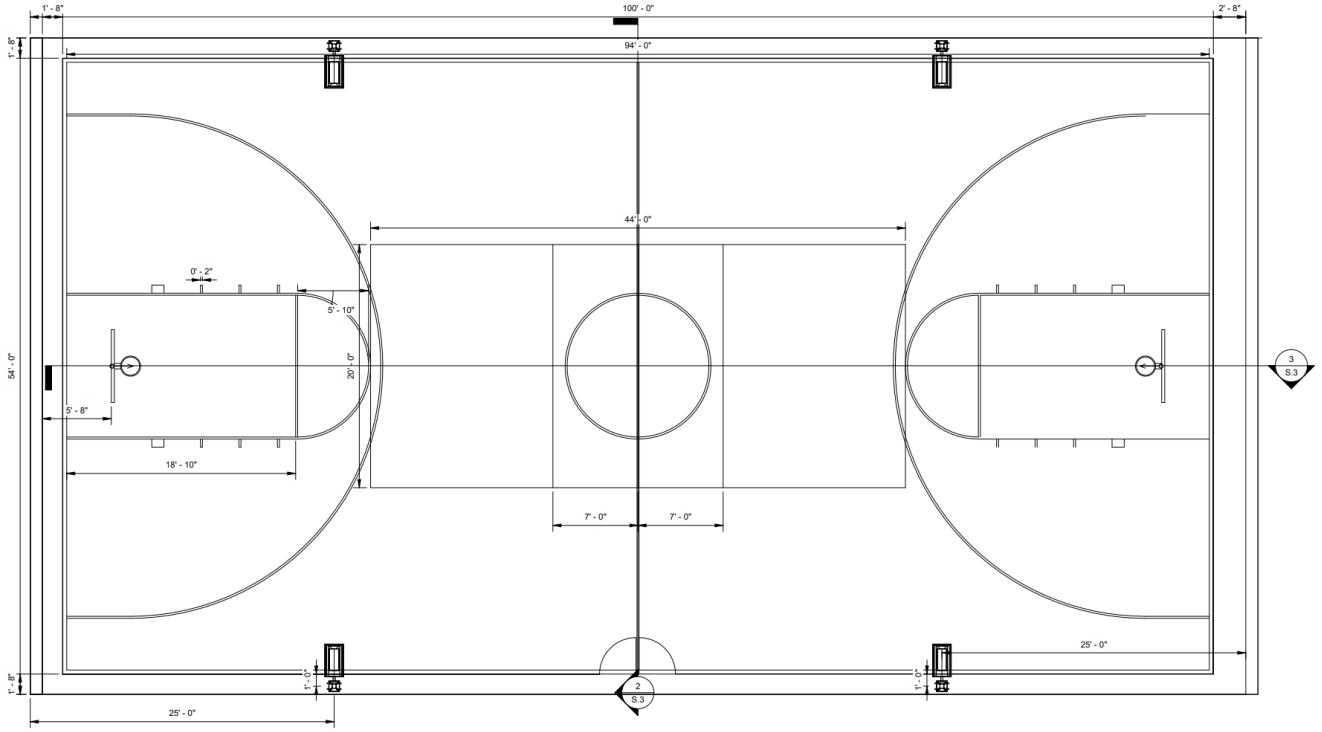


Retaining Wall

Multipurpose Court

- Removable pickleball net
- Four lighting posts
- 10-foot tall fence

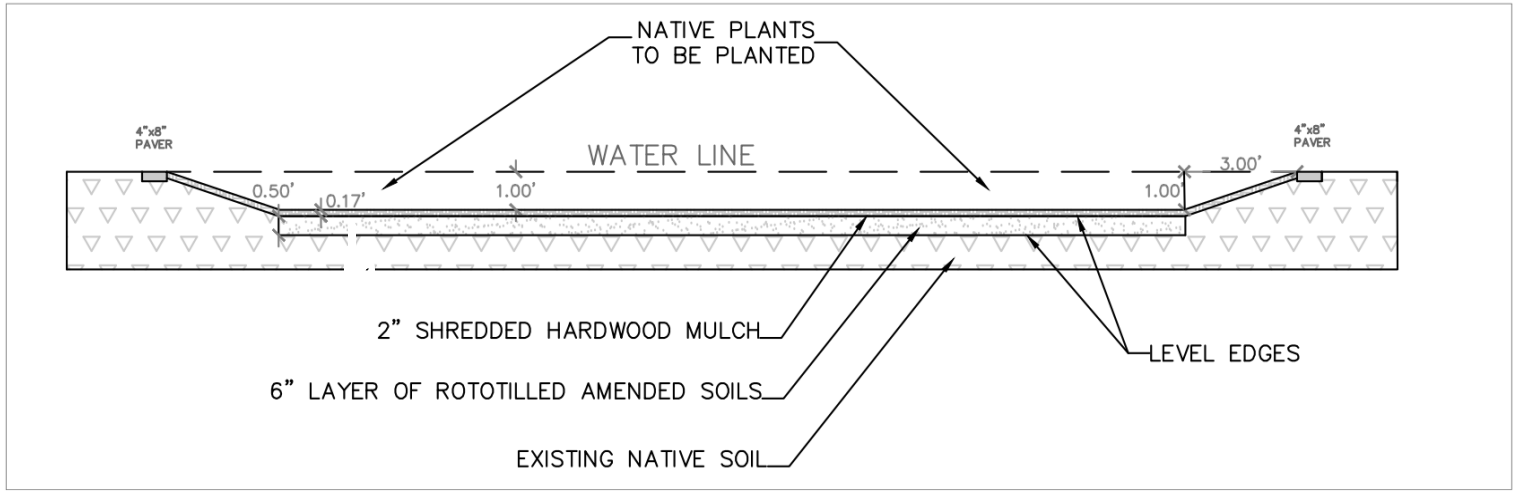




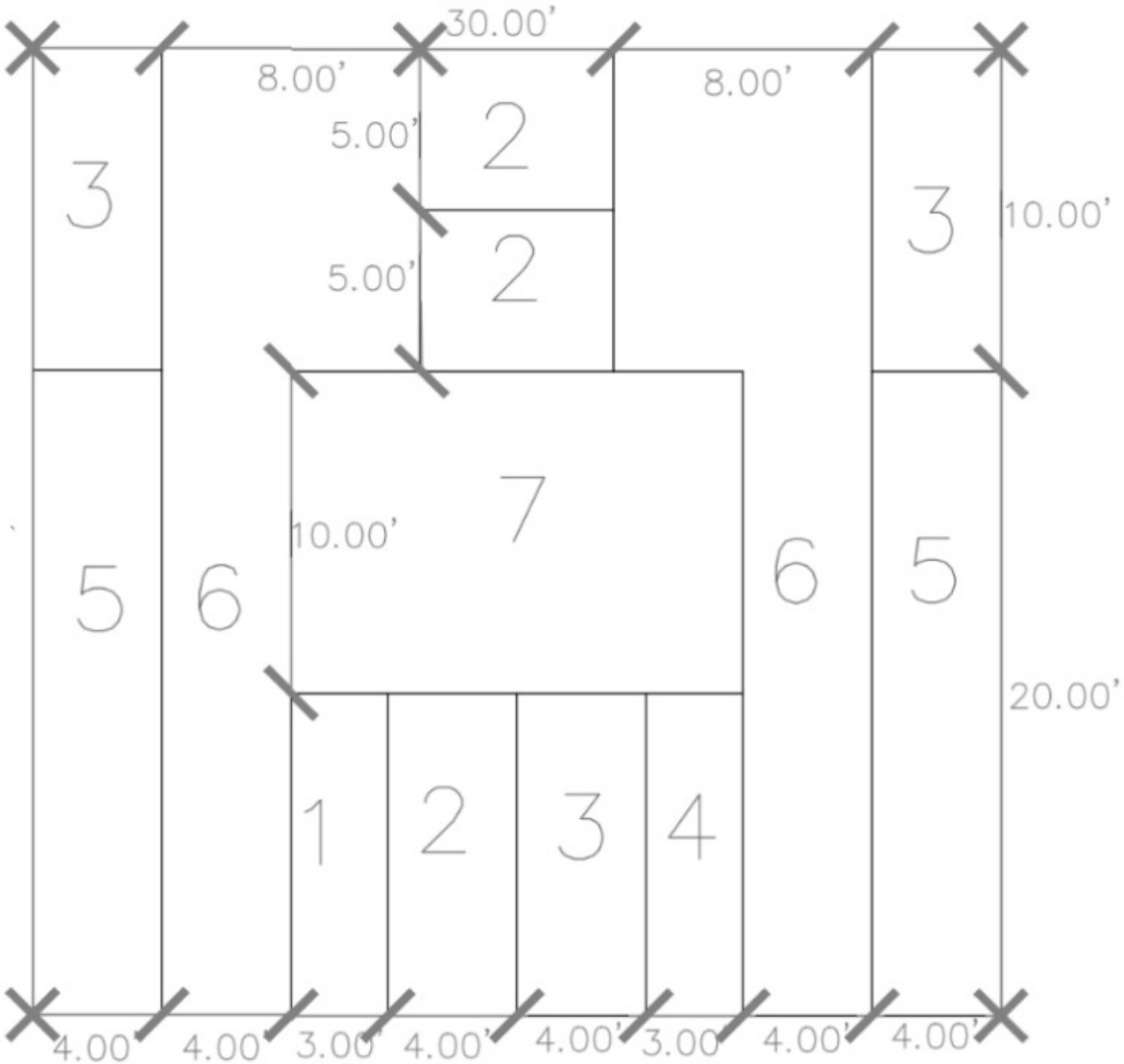
Parking Lot

- 45-degree angled parking
- 6 parking spaces
- 9 ft × 18 ft spaces

Rain Garden


NATIVE PLANTS
TO BE PLANTED
4"x8"
PAVER
WATER LINE
0.50'
0.17'
1.00'
1.00'
3.00'
4"x8"
PAVER
2" SHREDDED HARDWOOD MULCH
6" LAYER OF ROTOTILLED AMENDED SOILS
EXISTING NATIVE SOIL
LEVEL EDGES

Rain Garden Layout



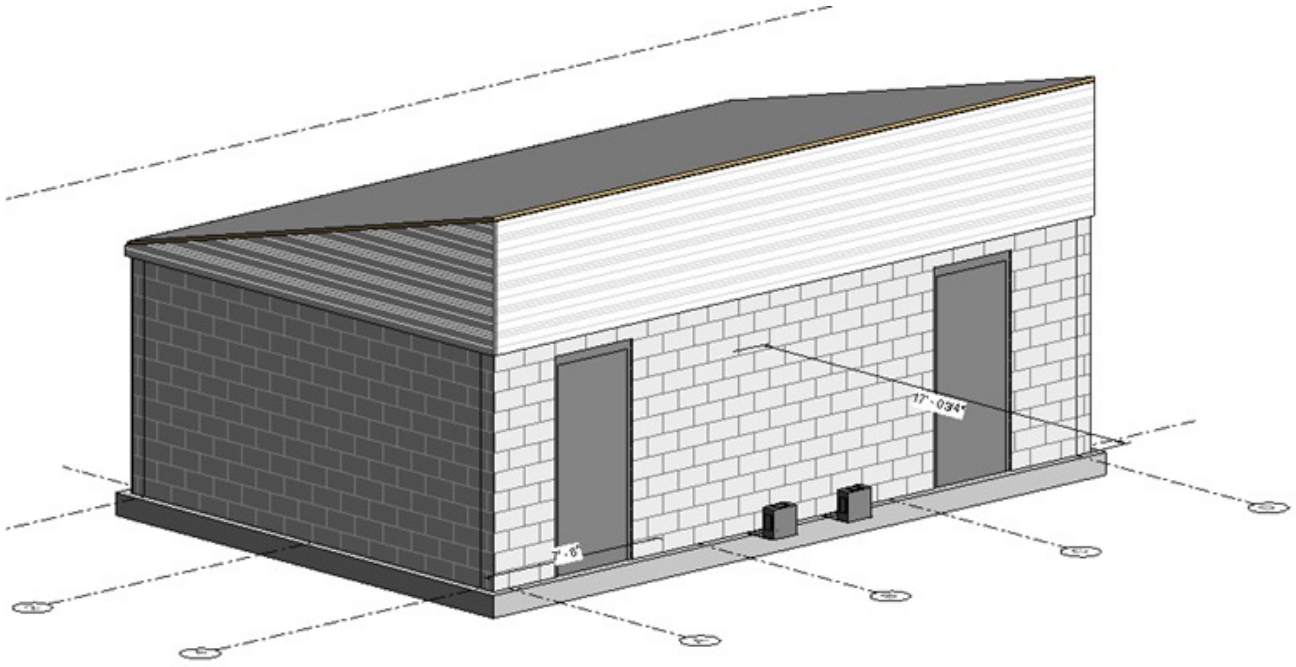
1. **Wild Sweet William**, Prairie Smoke
2. **Smooth Blue Aster**, Bottle Gentian
3. **Brown-eyed Susan**, Black-eyed Susan
4. **Wild Geranium**, Nodding Onion
5. **Foxglove Beardtongue**, Prairie Phlox
6. **Little Bluestem**, Prairie Dropseed
7. **Switchgrass**, Little Bluestem

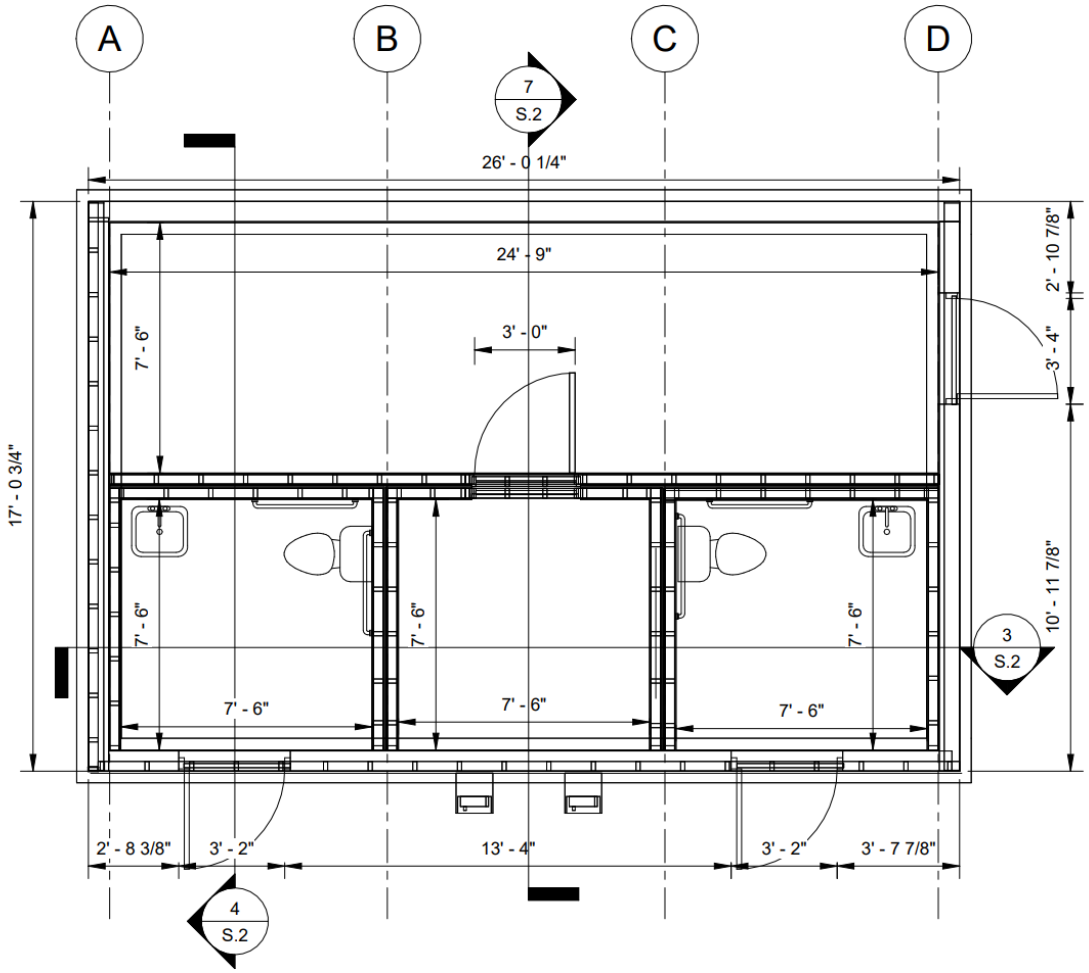
Phase 2

- **Restroom Facility**
- Cost Estimate: $33,900

Restroom

- Two single-use bathroom stalls
- Storage area and utility room





Phase 3

- **Trail**
- **Swing Set**
- Cost Estimate: $25,700

Connecting Trail

- Surface area of 2,669 square feet
- 5 feet wide sidewalk

Swing Set Equipment

Arch Post Swing Set

ADA Swing Seat

Total Cost Estimation

Phase 1	$ 140,100
Phase 2	$ 33,900
Phase 3	$ 25,700
Construction Total	$ 199,700
20% Contingencies	$ 40,000
20% Engineering and Administration	$ 40,000
Total Project Cost	**$ 280,000**

Conclusion

- Multipurpose court
- Rain garden to reduce stormwater flows
- Restroom facility
- Parking lot with 6 spaces
- Designs for future development

Questions?