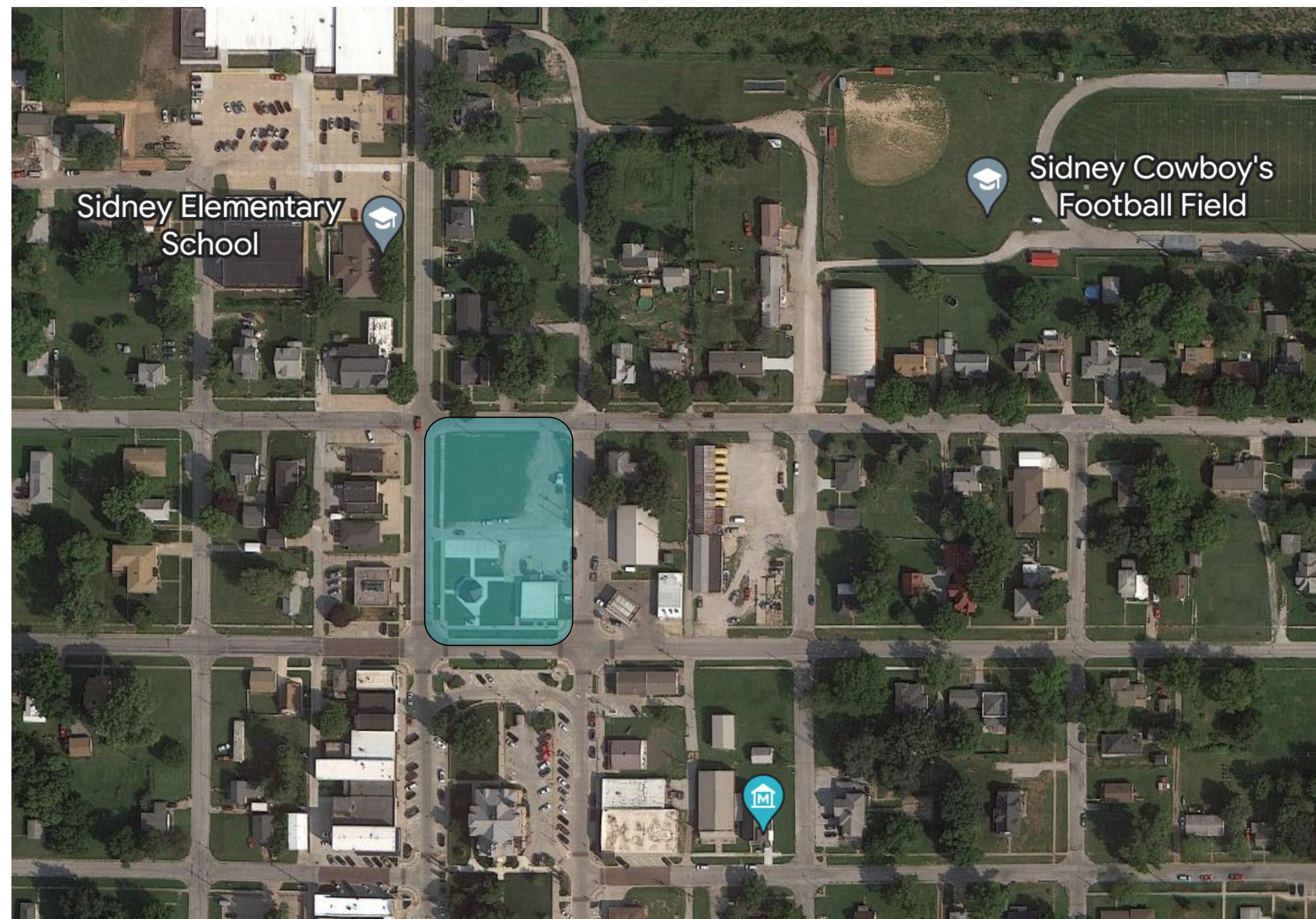


Sidney Park Expansion

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Project Background and Scope

The Sidney Park Expansion will expand an existing green space and park located in the center of Sidney, Iowa. The park expansion will include a multi-use court that can be utilized for basketball and pickleball. It will also include restroom facilities with two single user stalls, and a bike rack. Six angled parking spaces will be added. Stormwater from the site will be managed using a rain garden. A trail connecting the park to the town's elementary school and football stadium was designed, as well as a swing set in the remaining open area. These additions can be added if the park is expanded more in the future. This project will maintain part of the lot as green space that can be used for community events.



Parking

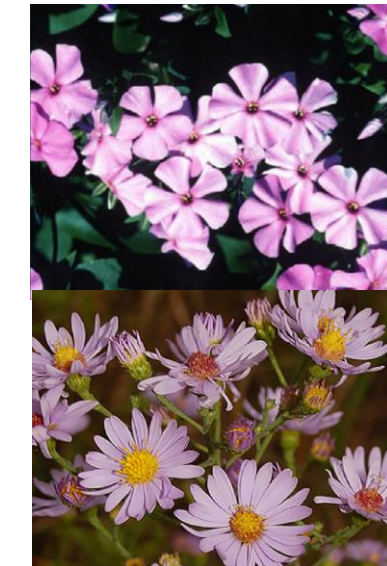
Six additional parking spaces will be installed on the east side of the park along Indiana Street. These 45° angled parking spots have dimensions of 9 feet in width and 18 feet in length.

Restroom Facilities

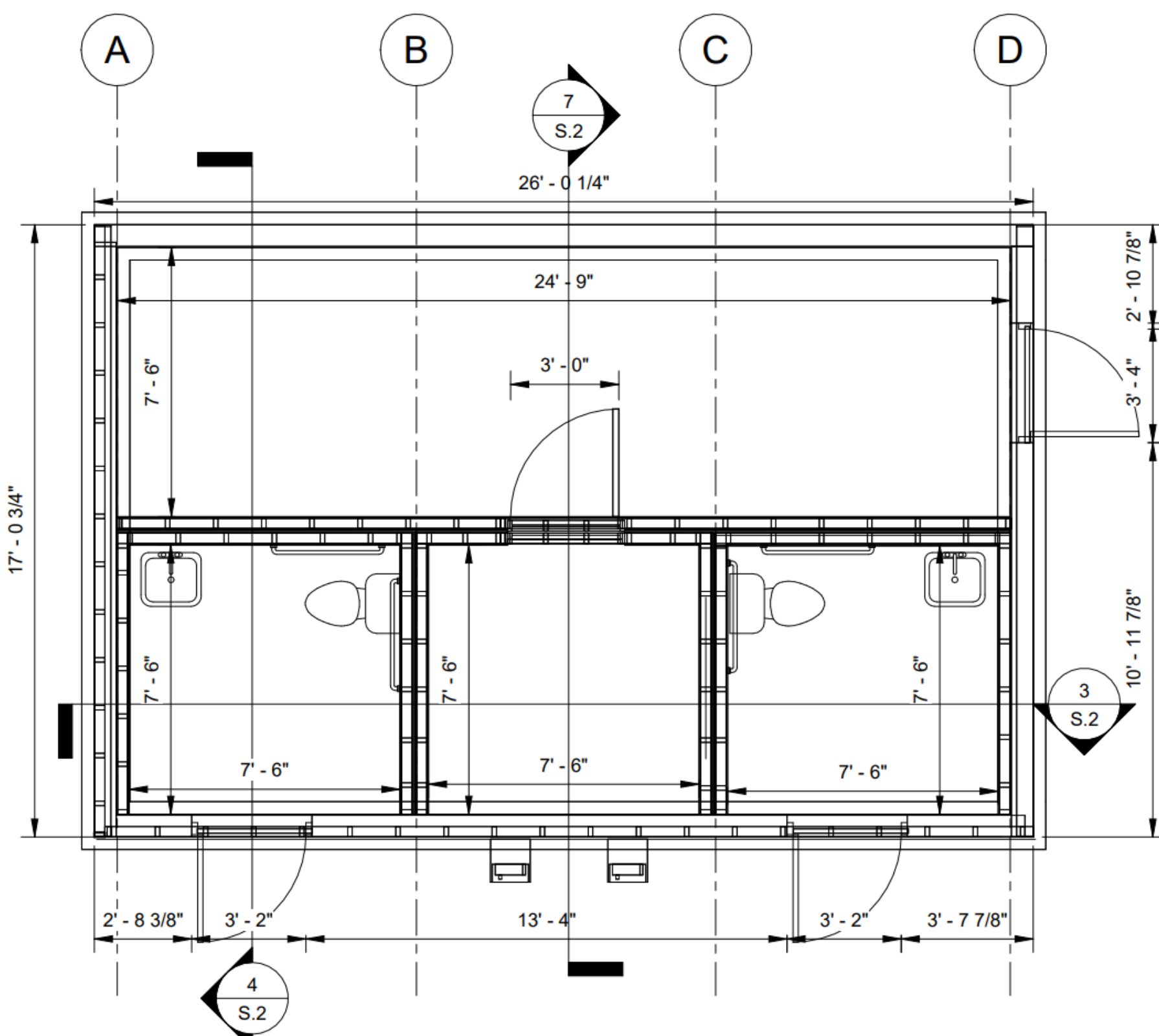
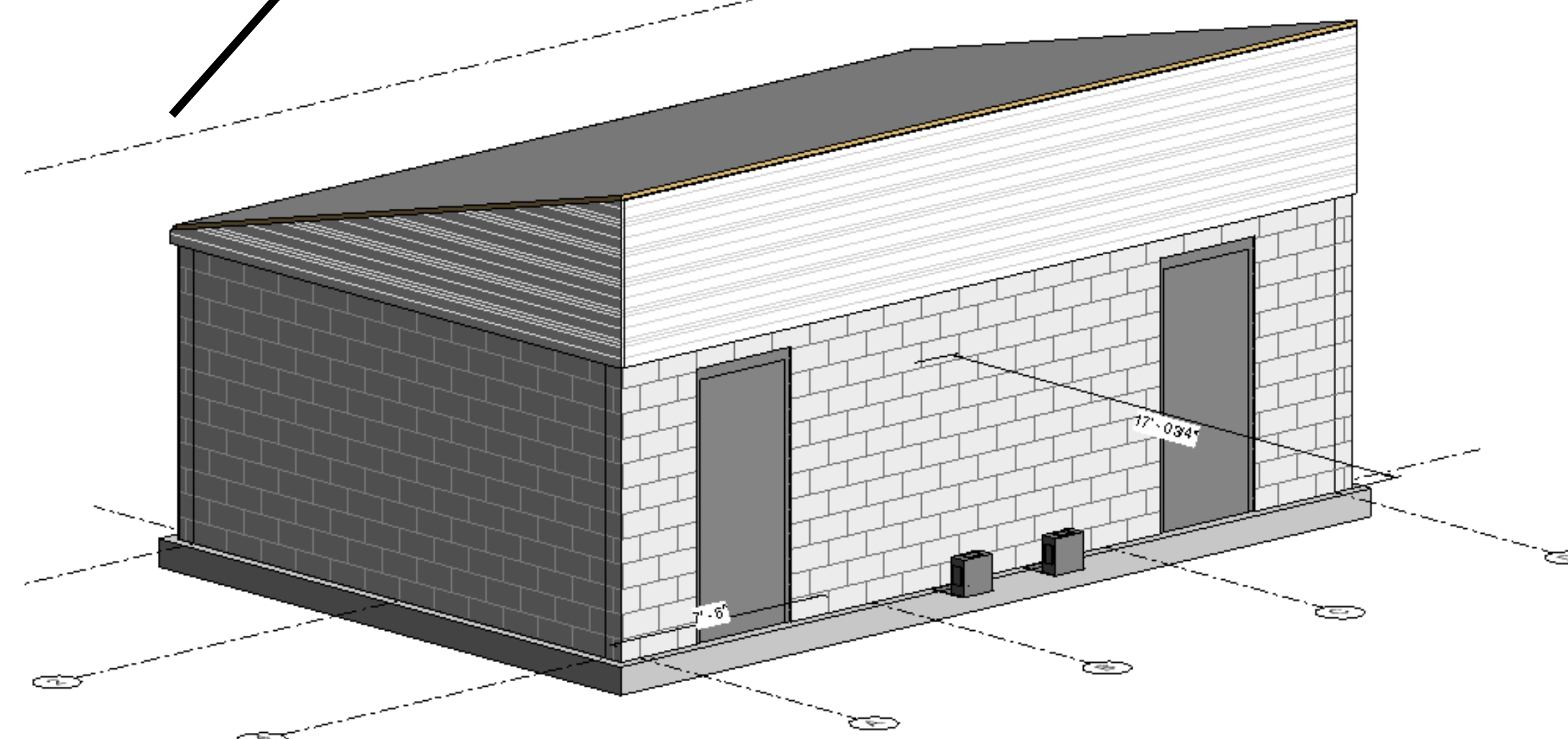
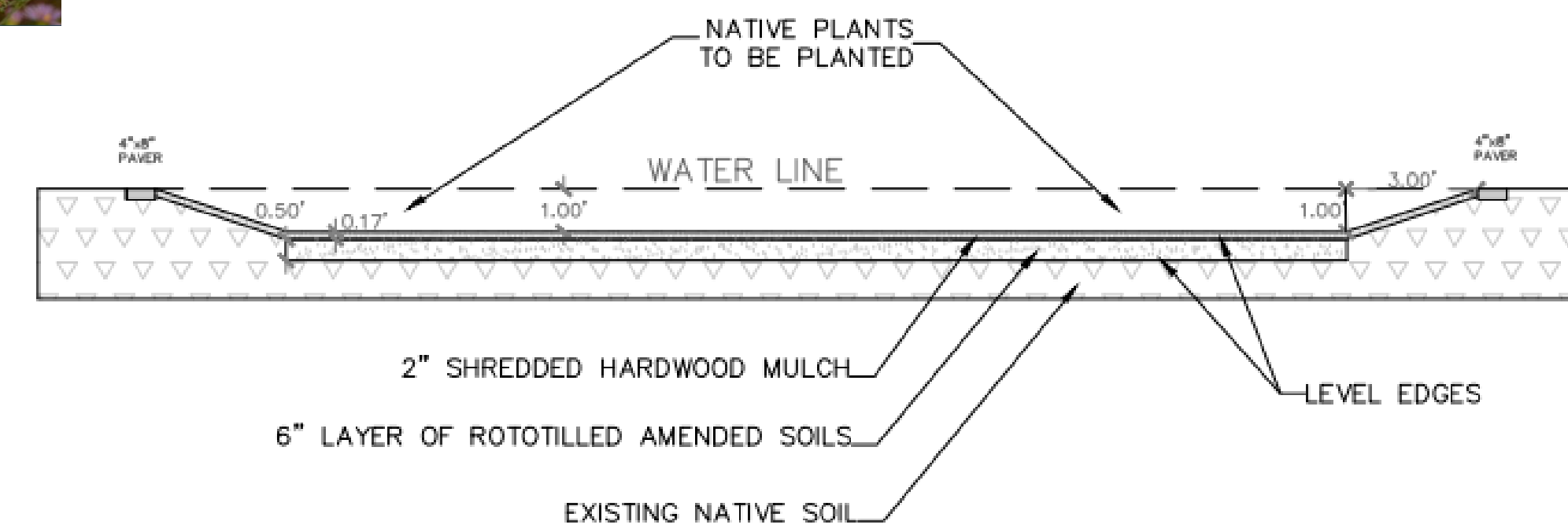
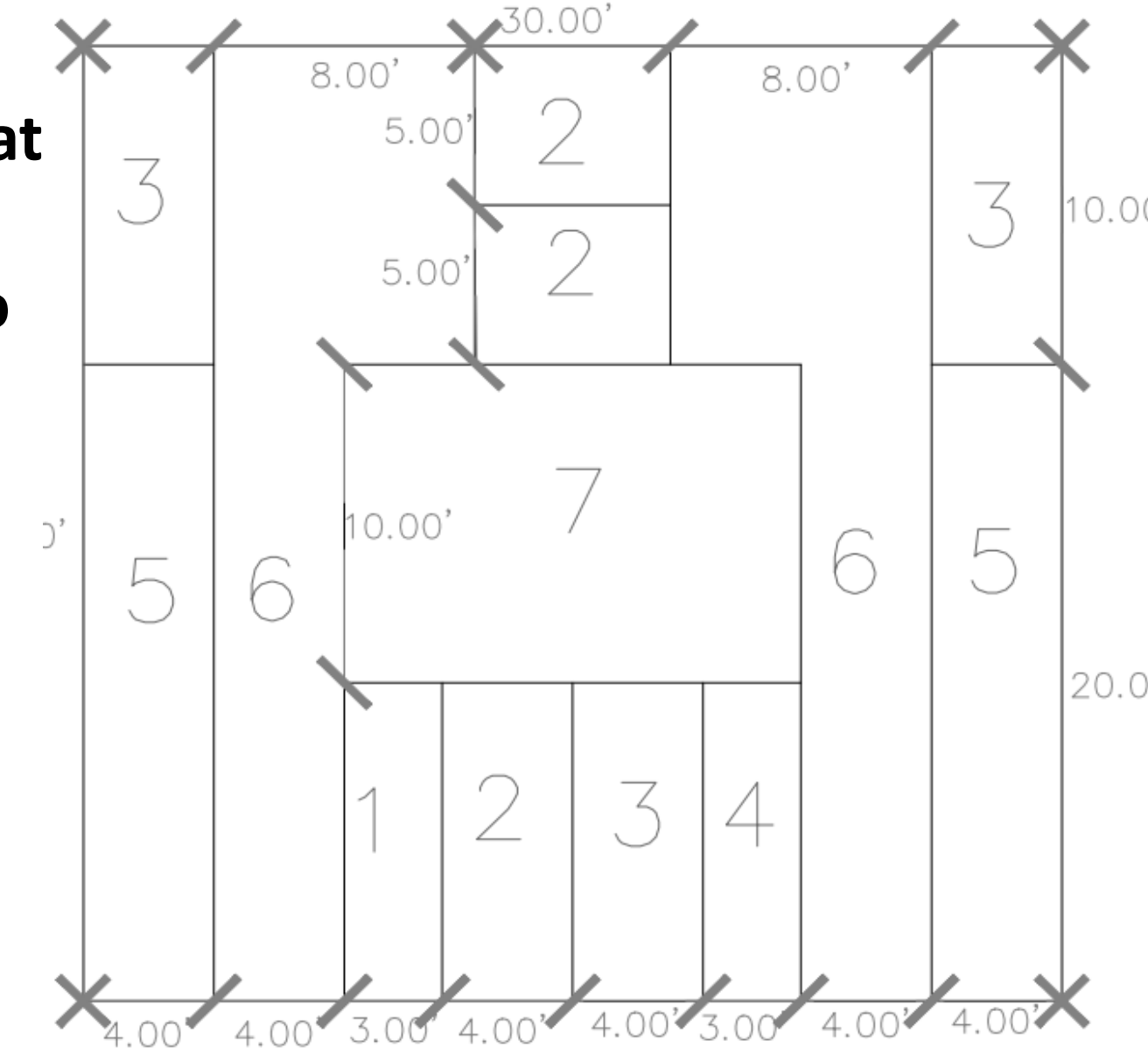
A two-stall CMU restroom facility will be installed on the South side of the site. A mono truss design was used along with metal shingles. A continuous footing is attached as well.

Stormwater Management

Using the NRCS method, it was found that the construction of the site would result in a maximum excess of 7,100 gallons. To manage this, a rain garden was designed with native plants to help water percolate into the ground.

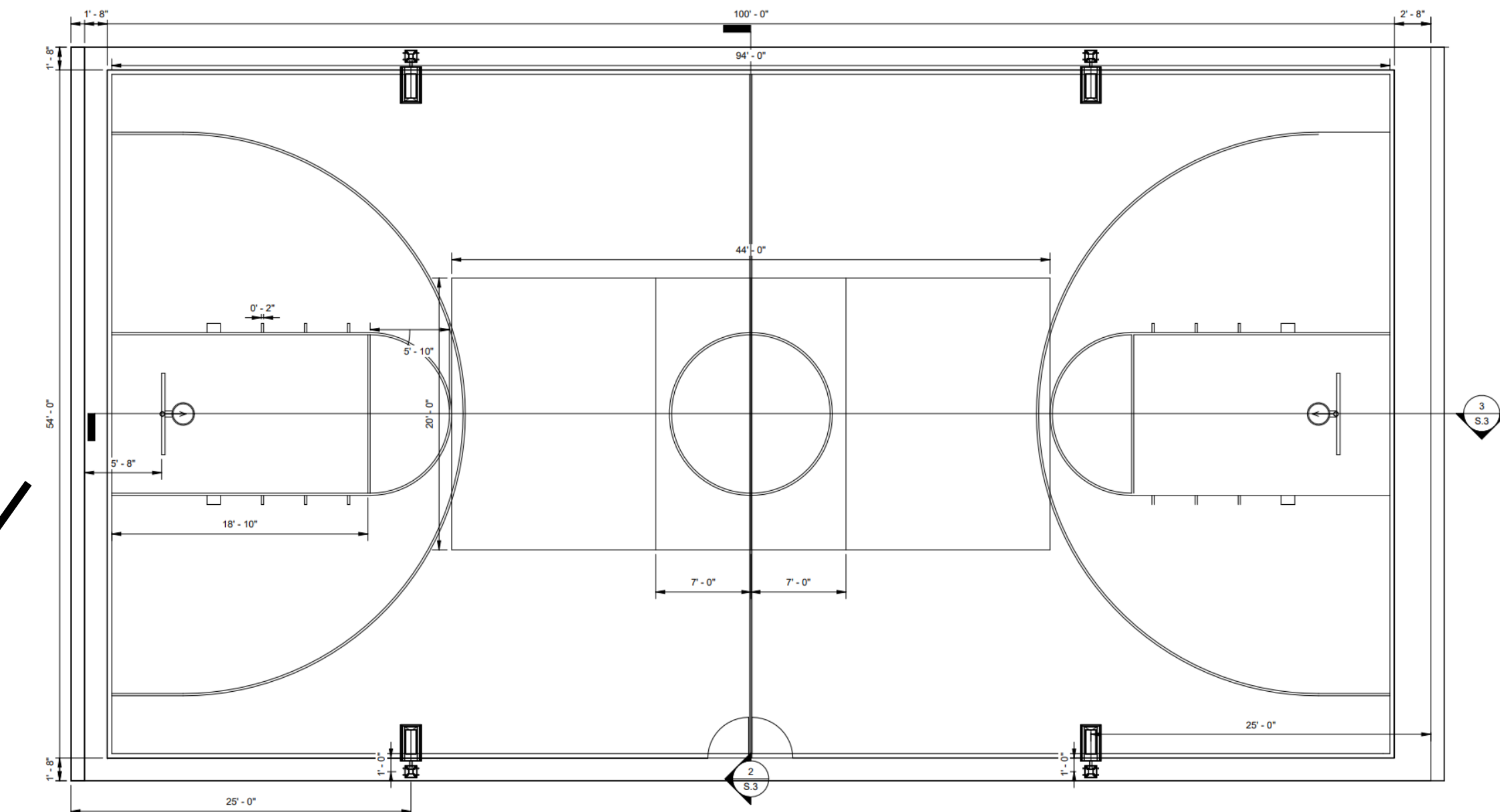


1. Wild Sweet William, Prairie Smoke
2. Smooth Blue Aster, Bottle Gentian
3. Brown-eyed Susan, Black-eyed Susan
4. Wild Geranium, Nodding Onion
5. Foxglove Beardtongue, Prairie Phlox
6. Little Bluestem, Prairie Dropseed
7. Switchgrass, Little Bluestem



Multi-Use Court

A regulation basketball court was designed with a removable pickleball net. The court has dimensions of 50 feet in width and 100 feet in length. The court is backed with a 4-foot retaining wall and a tall fence around the perimeter of the court. A 5-foot walkway space was added along the court for visitors to sit and watch the games.



Costs

Item Number	Item Description	Units	Quantity	Unit Price	Total
Phase 1: Site Design and Court					
1	6" PCC Sidewalk	SY	332.6078	\$ 85.76	\$ 28,524.44
2	Cut	CY	673.95	\$ 10.22	\$ 6,887.77
3	Special Backfill	CY	266.42	\$ 40.70	\$ 10,843.29
4	Driveway, P.C. Concrete, 6 in	SY	170.5856	\$ 74.08	\$ 12,636.98
Court					
5	6 in Concrete Slab	SY	564	\$ 75.93	\$ 42,824.52
6	Polymeric rubber	SF	564	\$ 5.25	\$ 2,961.00
7	Striping/Painting	Each	1	\$ 1,500.00	\$ 1,500.00
8	Basketball hoops	Each	2	\$ 400.00	\$ 800.00
9	Pickleball net	Each	1	\$ 180.45	\$ 180.45
10	Fencing/gate	LF	564	\$ 4.50	\$ 2,538.00
11	Lighting poles	Each	2	\$ 5,755.55	\$ 11,511.10
12	Concrete Retaining Wall	CY	8	\$ 1,913.41	\$ 15,307.28
Environmental Design					
13	Hardwood Mulch	yd3	6.2	\$ 26.50	\$ 451.00
14	Concrete Sand	yd3	13	\$ 35.00	\$ 455.00
15	Topsoil	yd3	4.3	\$ 38.00	\$ 163.4
16	Plant Plugs	each	600	\$ 4.00	\$ 2,400
17	Edging	each	210	\$ 0.50	\$ 98.00
Construction Total					\$ 140,082.23
20% Contingencies					\$ 28,016.4468
20% Engineering and Administration					\$ 28,016.4468
Total Phase Cost					\$ 196,115.13
Phase 2: Restroom					
18	1'x4' Fluorescent Light Fixture	Each	9	\$ 124.50	\$ 1,120.50
19	9" Concrete Foundation/Floor	SY	111.5	\$ 68.15	\$ 7,598.73
20	6" Concrete Floor	SY	49,331.11	\$ 79.44	\$ 3,918.86
21	8" CMU Wall	SF	585.21	\$ 2.77	\$ 1,621.03
22	Exterior Finishes	SF	199.19	\$ 2.05	\$ 408.96
23	Interior Finishes	SF	974.69	\$ 1.42	\$ 1,386.41
24	Toilet	Each	2	\$ 578.00	\$ 1,156.00
25	Sink	Each	2	\$ 417.00	\$ 834.00
26	Metal Piping 1.5"	LF	77	\$ 2,817.99	\$ 216.99
27	Mirror 18"x24"	Each	2	\$ 64.70	\$ 129.40
28	Water Heater	Each	2	\$ 686.00	\$ 1,372.00
29	Roof Truss Labor	Each	14	\$ 26.00	\$ 364.00
30	Roof Sheathing	SF	460.3	\$ 1.07	\$ 492.52
31	1/4" Water Membrane	SF	460.3	\$ 0.45	\$ 207.14
32	5/8" Gypsum Board	SF	460.3	\$ 0.76	\$ 349.83
33	3 on 12 Truss	Each	14	\$ 94.64	\$ 1,324.96
34	Steel Shingles	Sq	4,603	\$ 473.69	\$ 2,180.40
35	Water Fountain	Each	2	\$ 832.05	\$ 1,664.09
36	6" Sanitary Piping	LF	156	\$ 36.30	\$ 5,662.80
37	1" Water Piping	LF	146	\$ 12.46	\$ 1,819.16
Construction Total					\$ 33,827.77
20% Contingencies					\$ 6,765.553793
20% Engineering and Administration					\$ 6,765.553793
Total Phase Cost					\$ 47,358.88
Phase 3: Trail and Swing Set					
38	Excavation, Class 10, Waste	CY	75.81	\$ 10.22	\$ 774.78
39	Special Backfill	CY	39.28	\$ 40.70	\$ 1,598.70
40	Recreation Trail, PCC, 6 in	SY	315.32	\$ 53.37	\$ 16,828.63
41	Arch Post Swing Set (4 seat, 2 bays)	Each	1	\$ 5,811.99	\$ 5,811.99
42	Wheelchair Accessible Swing	Each	1	\$ 593.99	\$ 593.99
Construction Total					\$ 25,608.08
20% Contingencies					\$ 5,121.61652
20% Engineering and Administration					\$ 5,121.61652
Total Phase Cost					\$ 35,851.32
Total Project Cost					\$ 279,325.32