

Riverview Park Master Plan

Riley Crantson, Jessie McElwain, Kristine Eischeid, and Rod Knutson
November 2022



The Team

Riley Cranston:
Project Manager



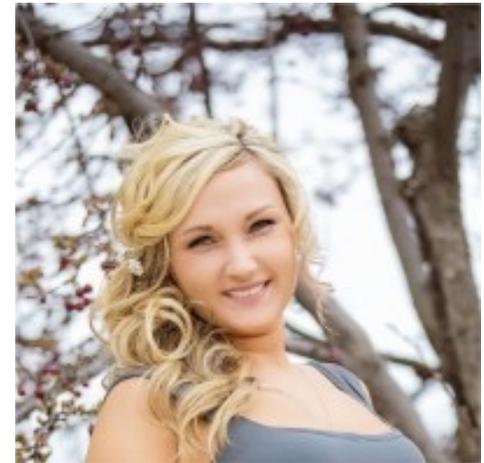
Jessie McElwain



Rod Knutson:



Kristine Eischeid



Presentation Outline

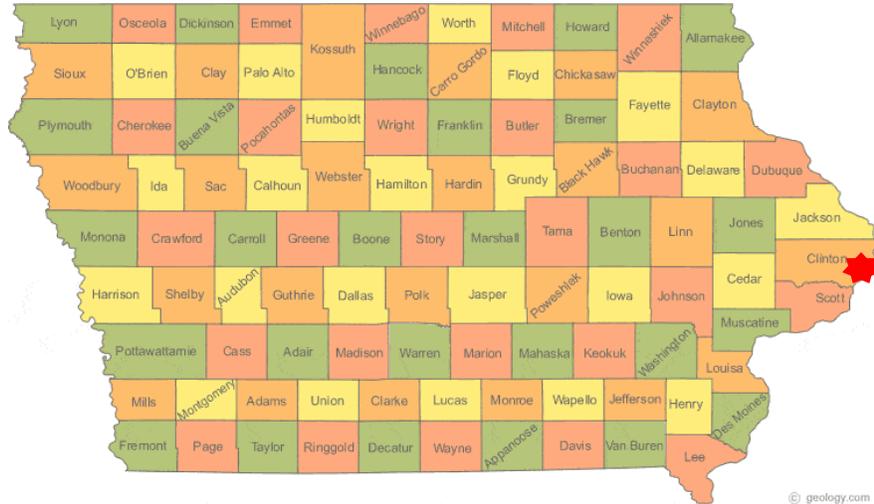
1- Project Background and Scope

2- Site Overview

3- Design Elements and Solutions

4- Cost Estimate

Clinton, Iowa



The poster has a dark, starry background. At the top is the 'TALGATEN' TALLBOYS' logo. Below it, the location 'CLINTON, IOWA' is written in red. The dates and performers are listed in white and red text. At the bottom, there is a photograph of a crowd of people at night, many holding up their phones. In the bottom left corner, there is a 'WELCOME TO IOWA CLINTON ON THE MISSISSIPPI' sign, and in the bottom right corner, there is a 'USA CONCERTS & EVENTS' logo with five stars.

TALGATEN' TALLBOYS
CLINTON, IOWA
THURSDAY, JUNE 8TH
MITCHELL TENPENNY ♦ LAINEY WILSON
JACKSON DEAN ♦ COOPER ALAN
FRIDAY, JUNE 9TH
TIM MCGRAW ♦ JAKE OWEN
JO DEE MESSINA ♦ ALEXANDRA KAY
SATURDAY, JUNE 10TH
JELLY ROLL ♦ CHASE RICE
WARREN ZEIDERS ♦ CHASE MATTHEW
HOSTED BY: CHELCIE LYNN
FESTIVAL DJ: DJ CLIFFY D

WELCOME TO IOWA
CLINTON
ON THE MISSISSIPPI

USA
CONCERTS & EVENTS

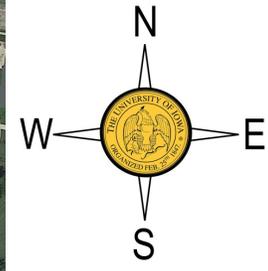
The team visiting Riverview Park for the Bacon and Brew Festival, September 2022



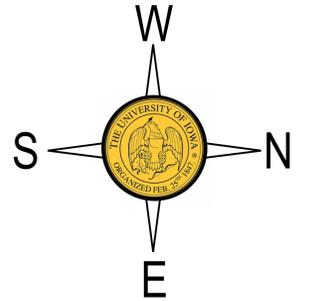
Rod Knutson: Bacon Eating Contest Winner!



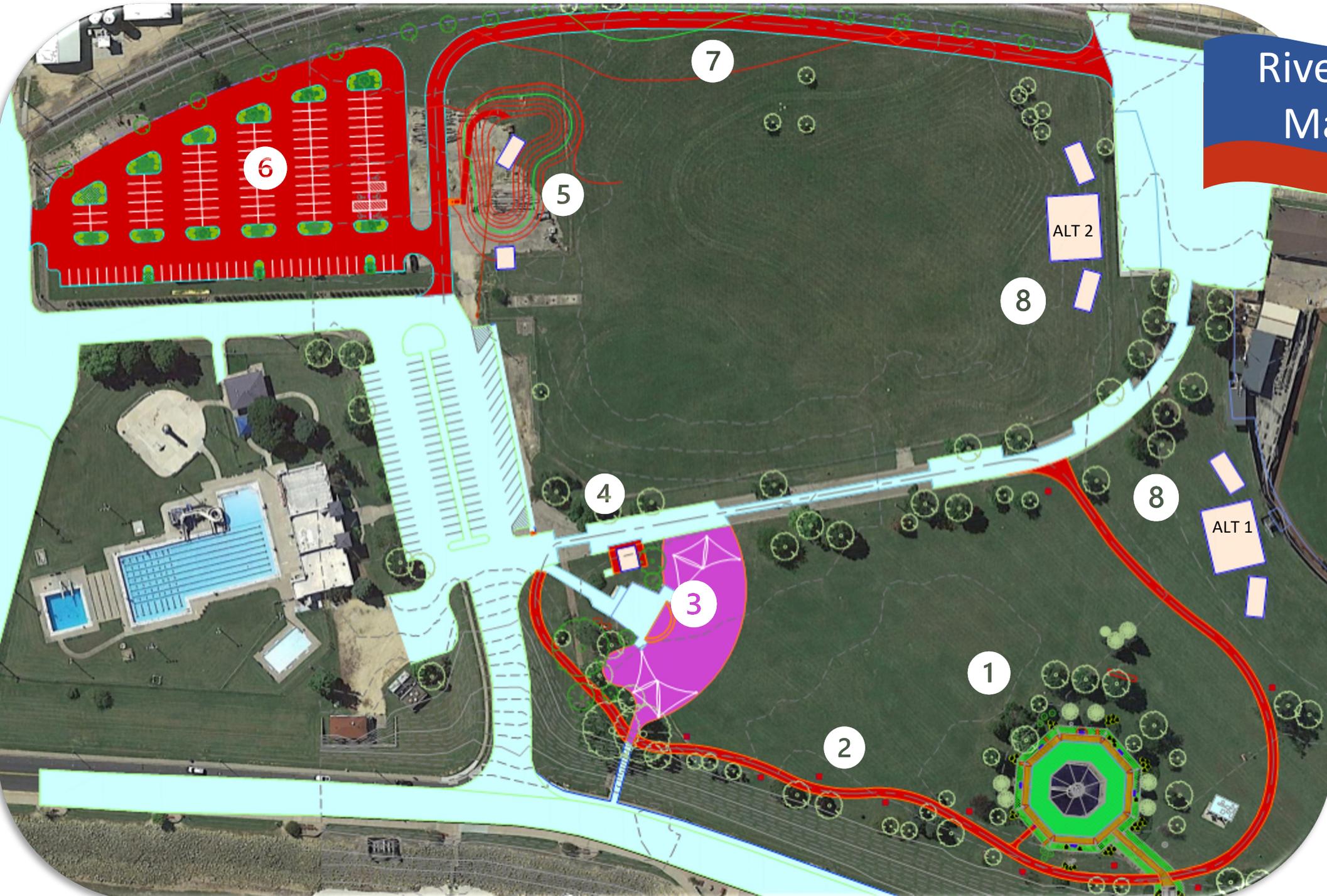
Site Location: Riverview Park



Riverview Park Master Plan



1. Lubbers Fountain
2. Trail and Art Walk
3. Bandshell
4. Restroom/ Storm Shelter
5. Outdoor Movie Theater
6. Parking Lot
7. Public Road
8. Temporary Stage





Dakota, Minn
& Eastern
RR Corp

Dakota, Minn
& Eastern
RR Corp

ROOSEVELT ST

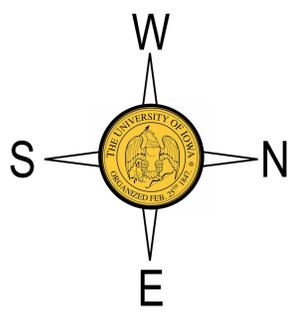
S-1 ST

S-1 ST

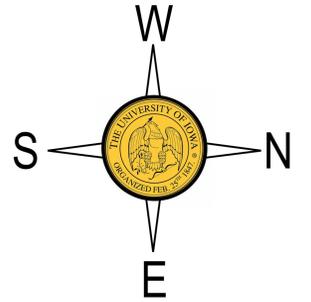
RIVERVIEW DR

GAVEN

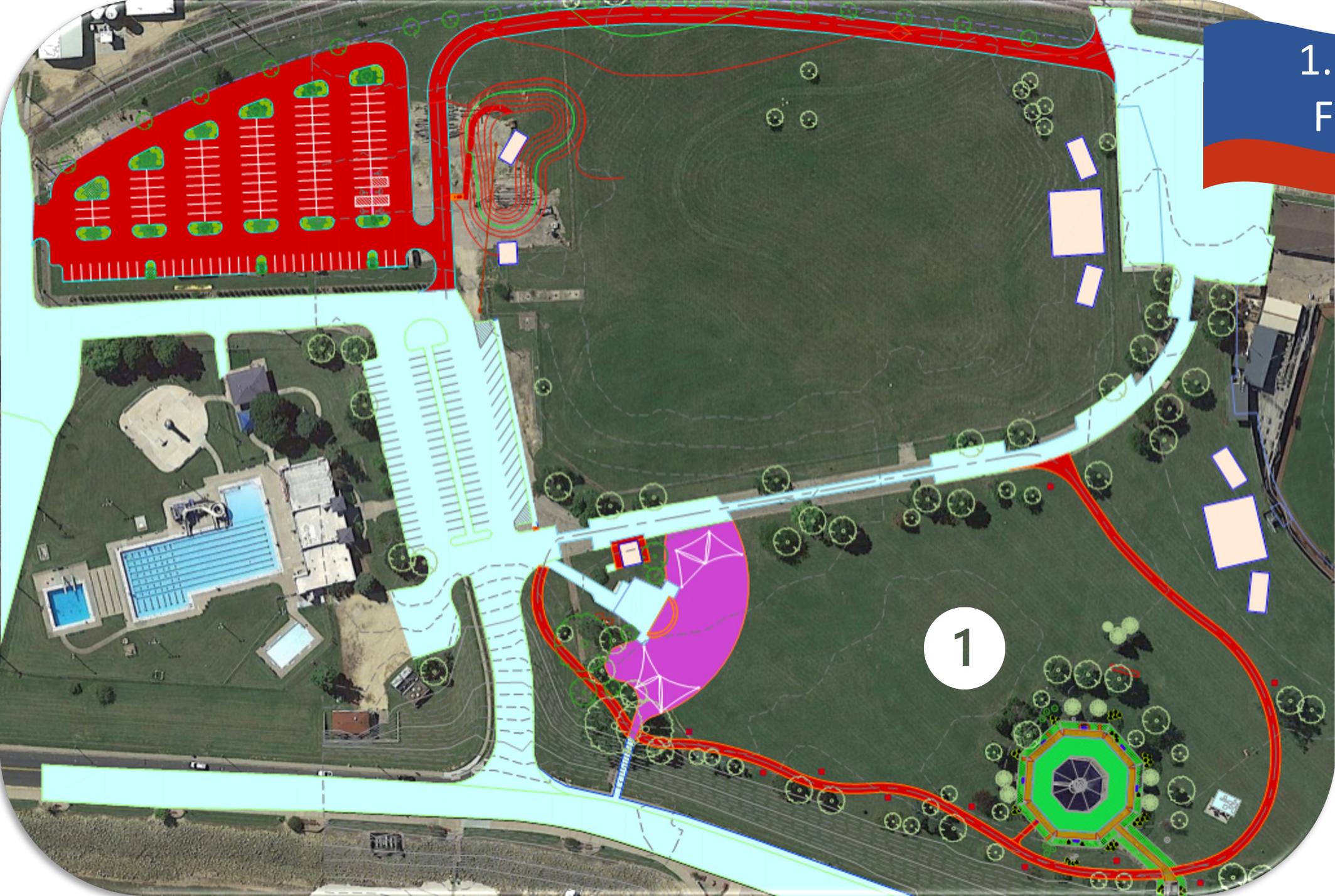
Property Boundaries:
Brownfield Site



1. Lubbers Fountain



1



Lubbers Fountain



Lubbers Memorial Fountain - Summer 2011

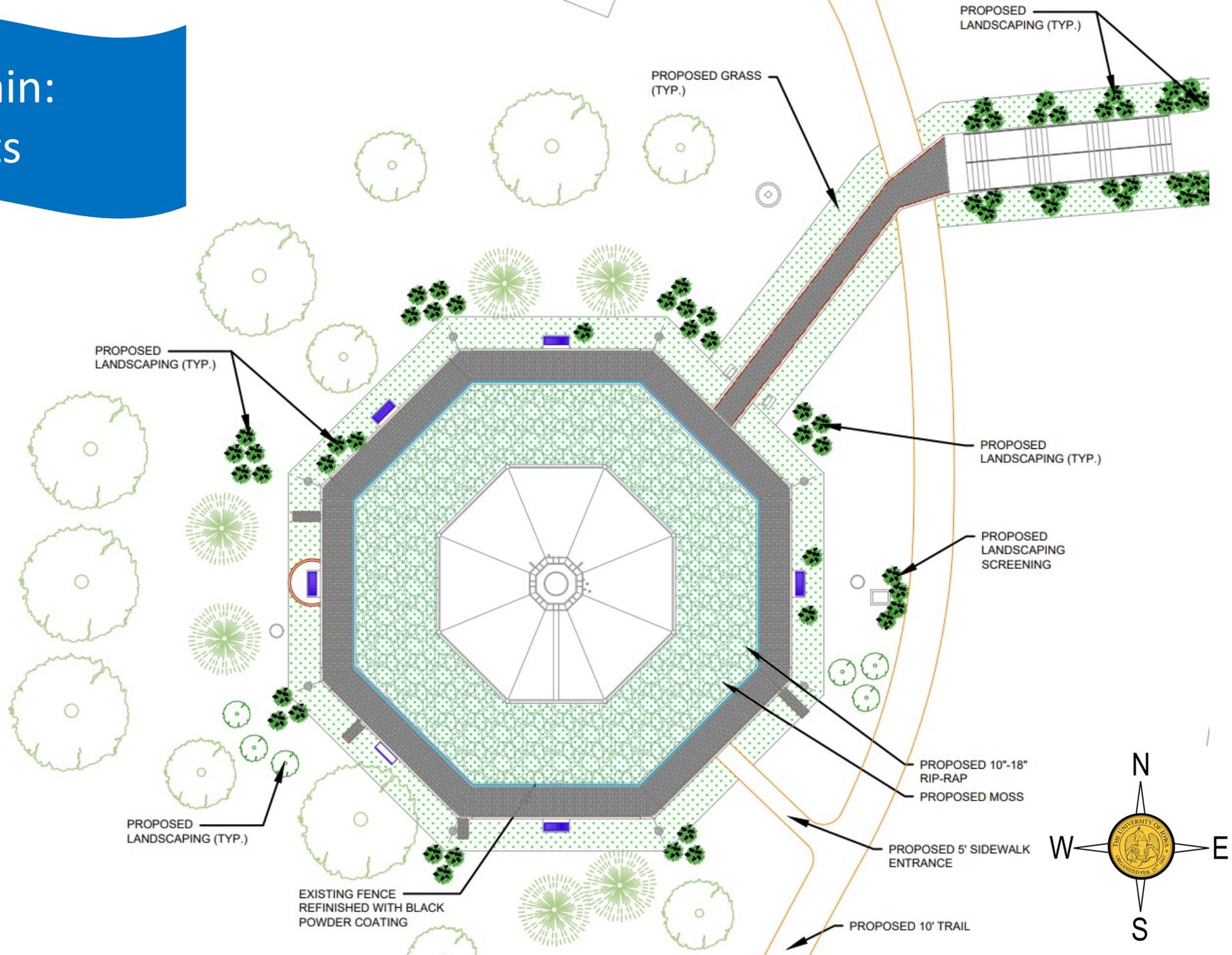
Lubbers Fountain: Improvements



Karl Forester Grass

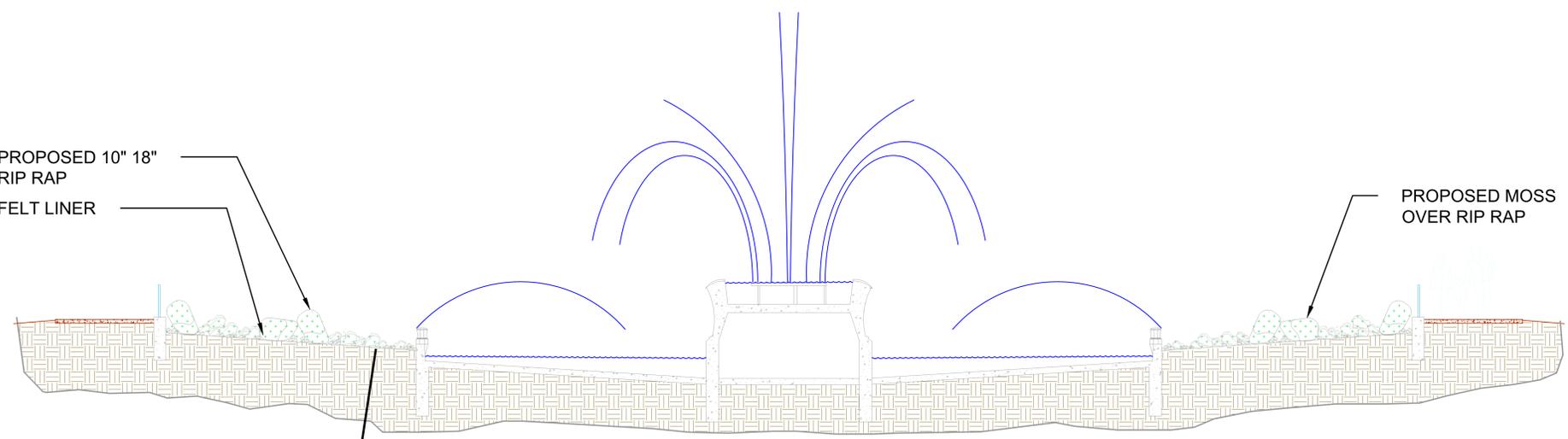


Juniper Trees



Lubbers Fountain: Improvements

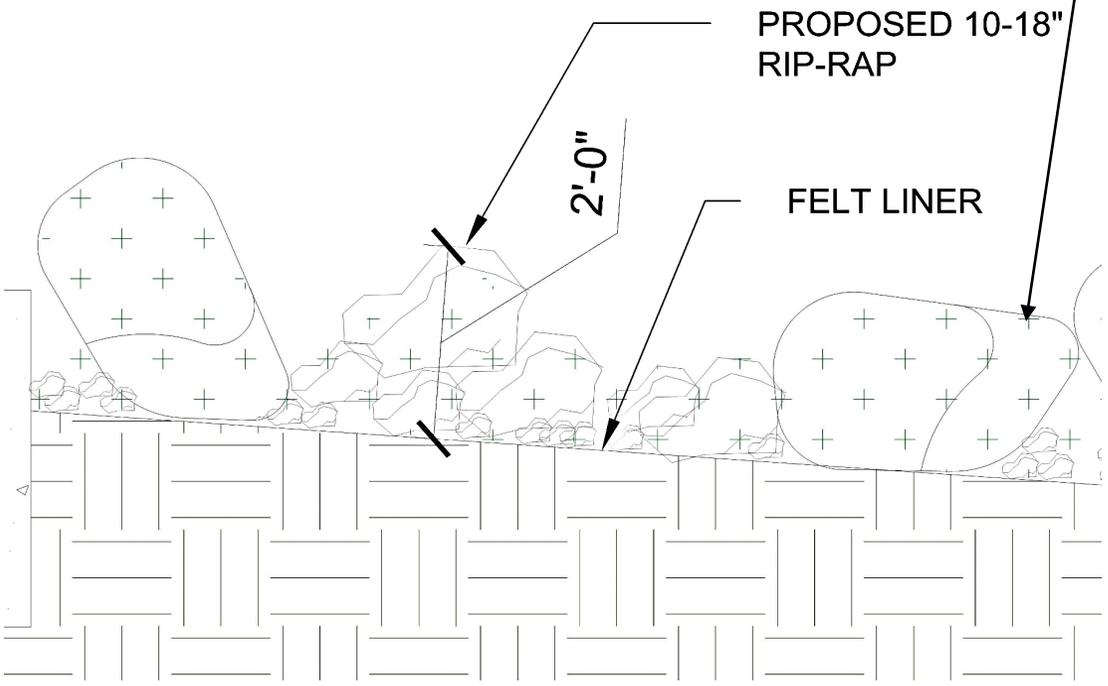
PROPOSED 10" 18"
RIP RAP
FELT LINER



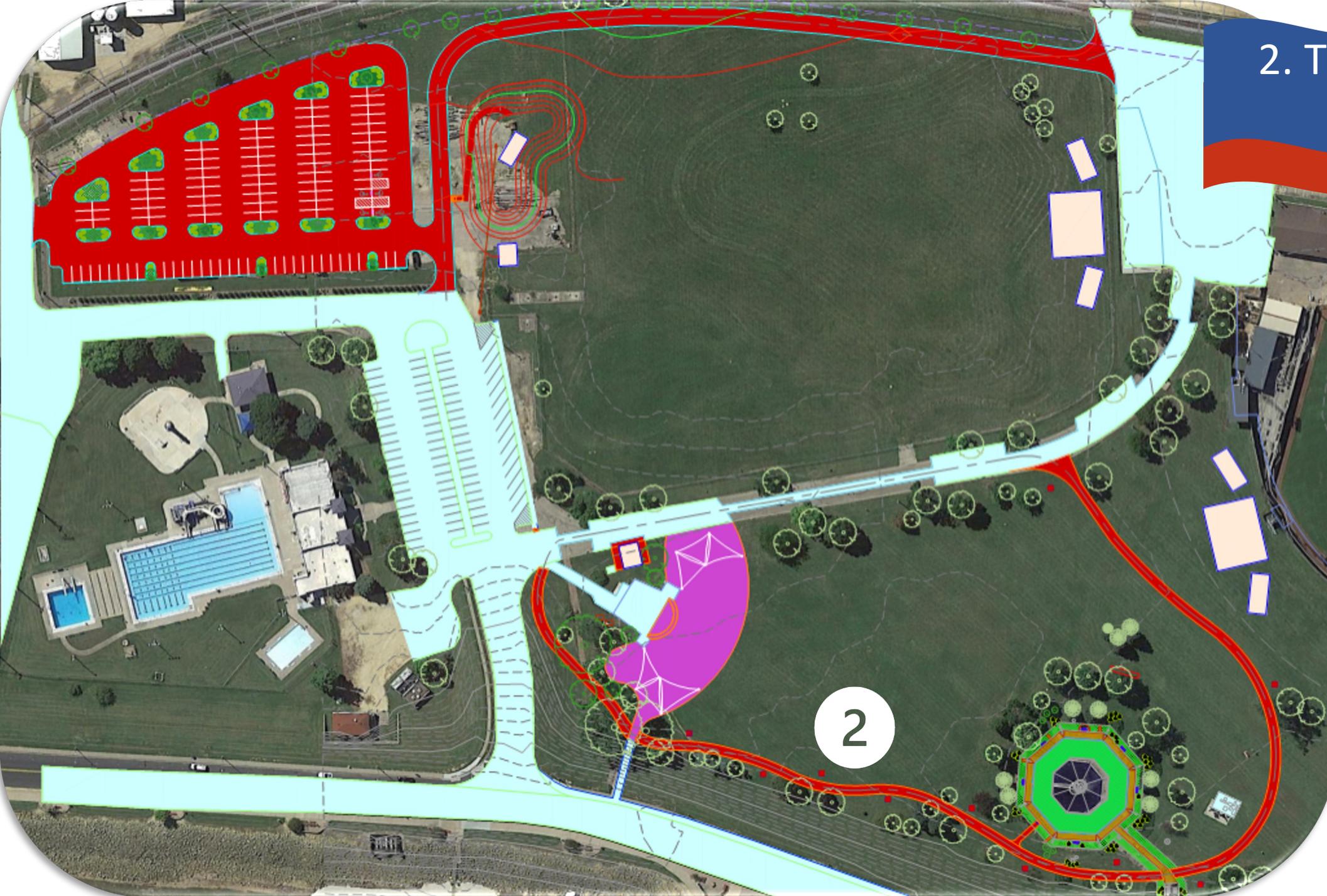
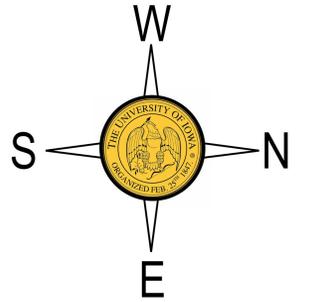
PROPOSED 10-18"
RIP-RAP

FELT LINER

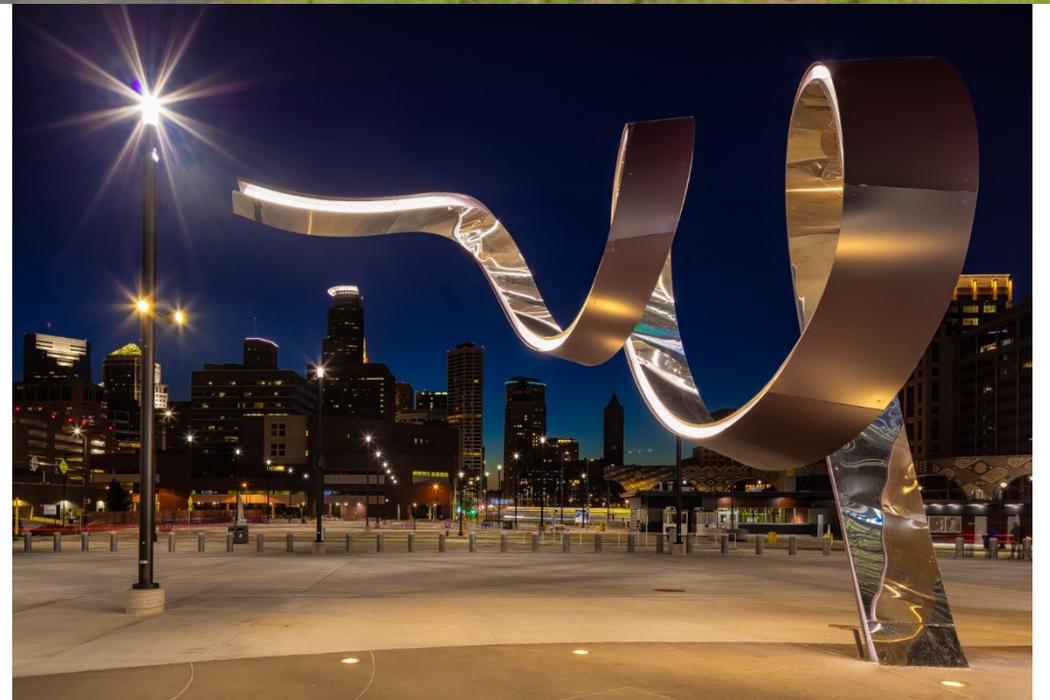
2'-0"



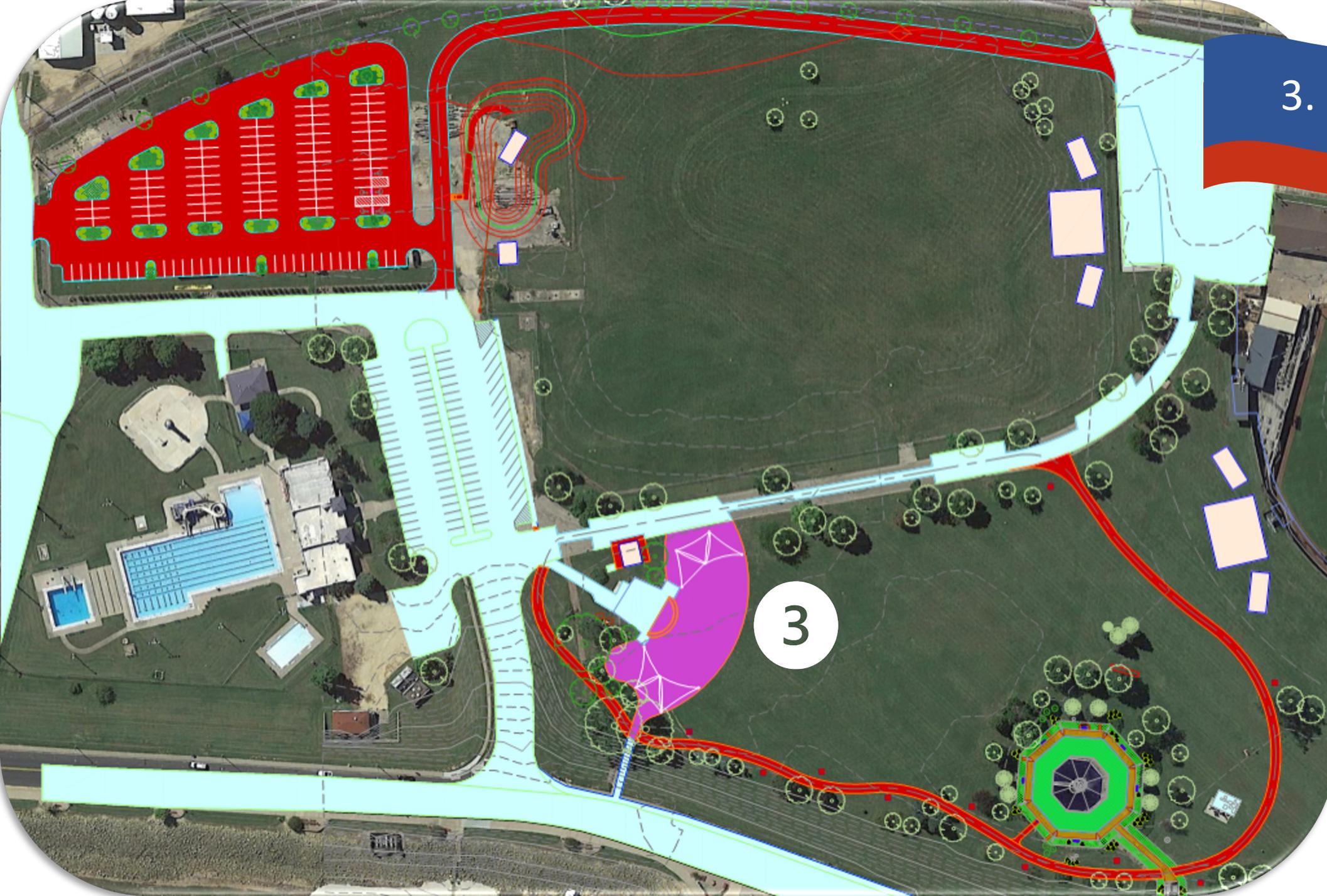
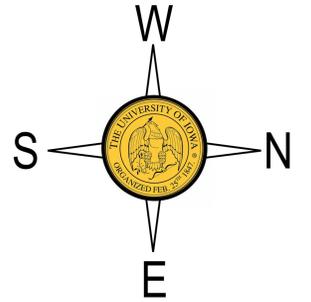
2. Trail and Art Walk



Art Walk Inspiration



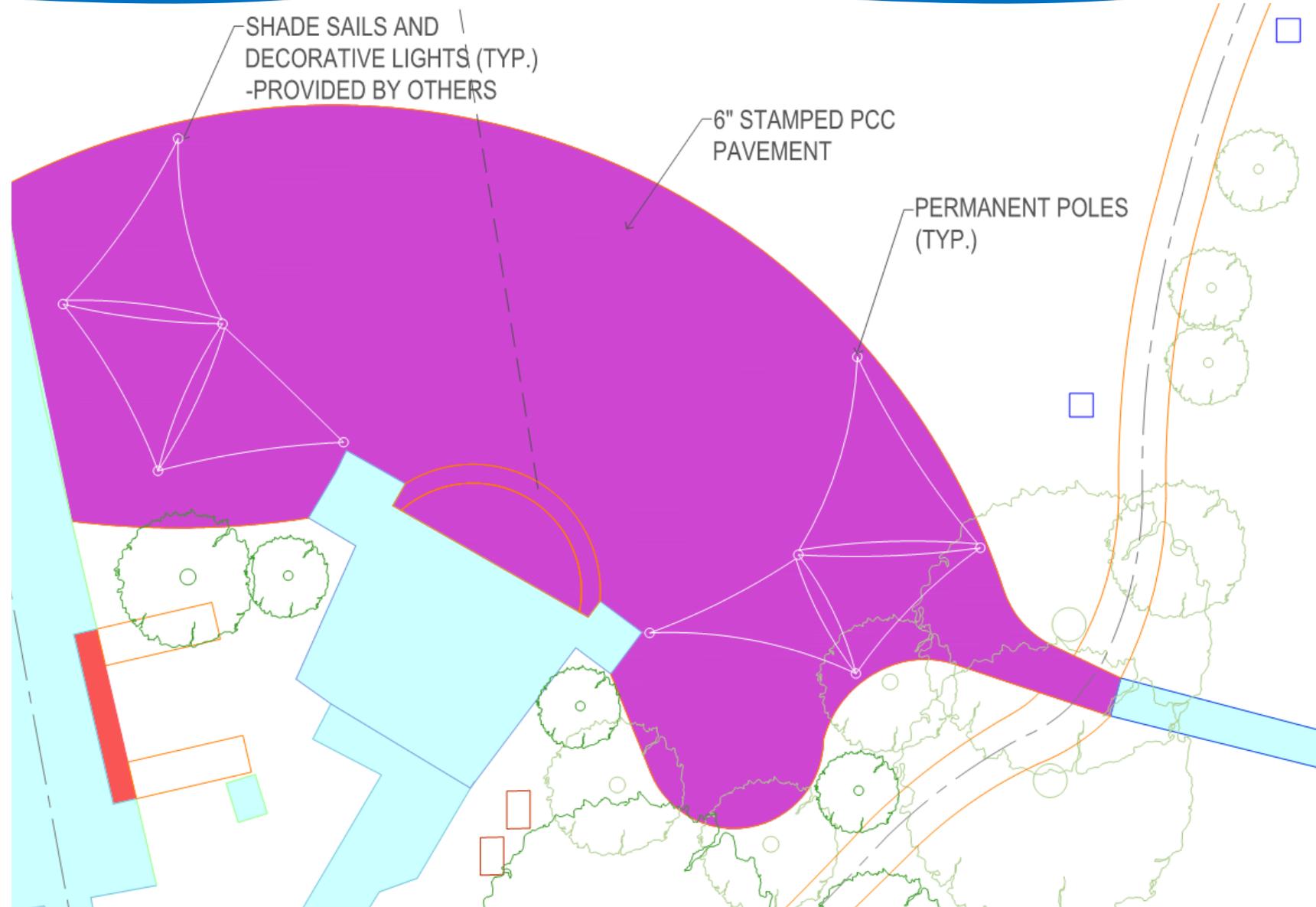
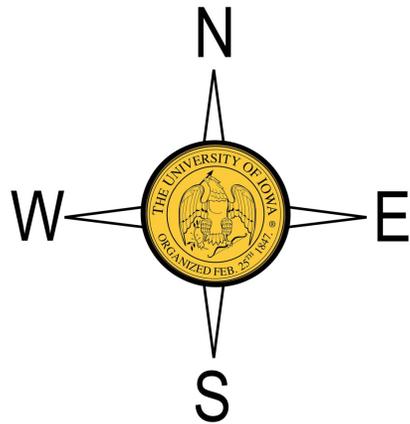
3. Bandshell



Riverview Bandshell



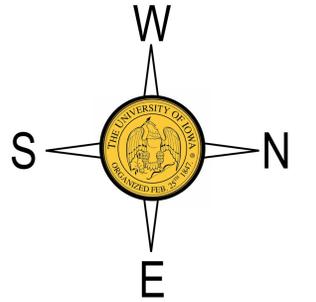
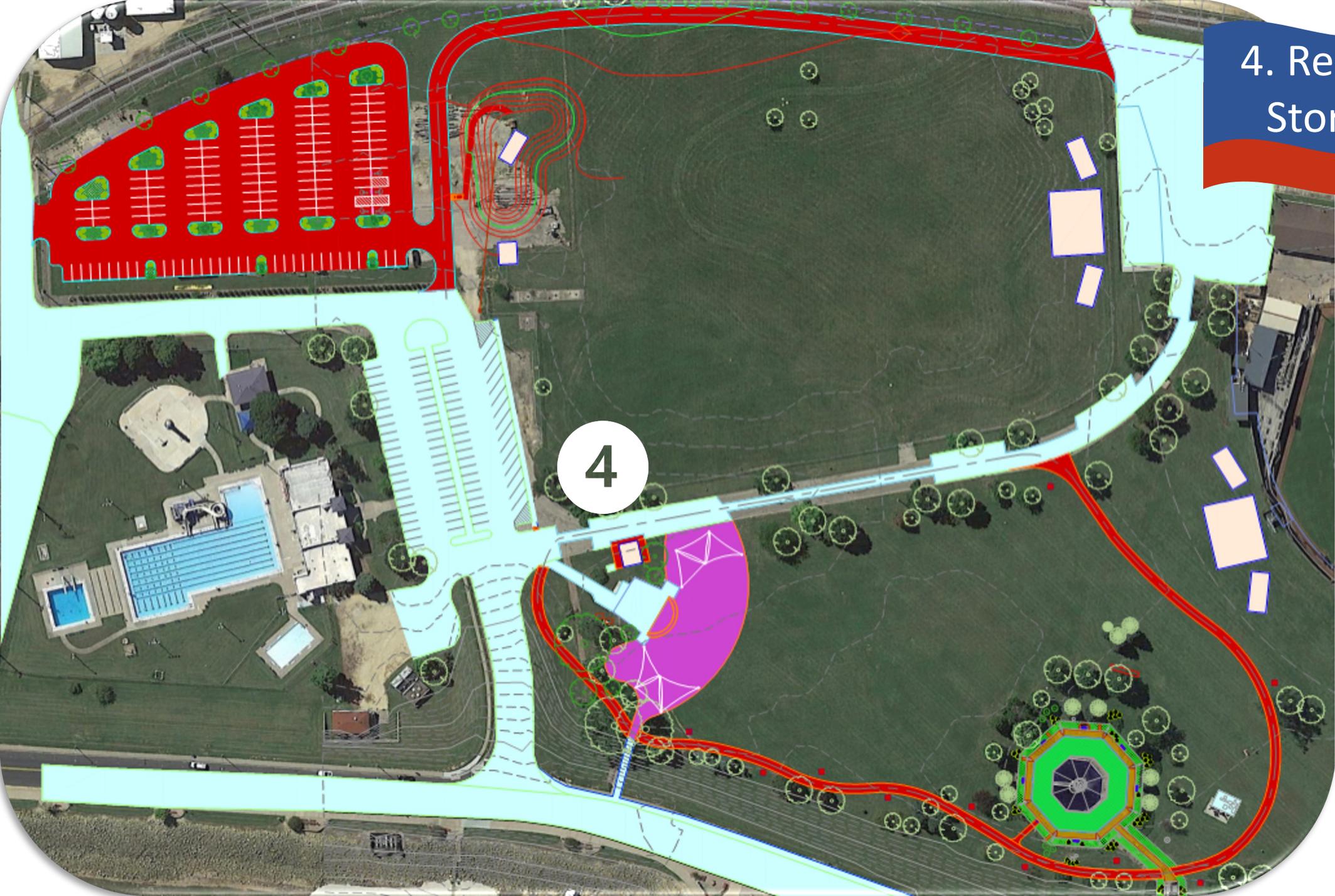
Riverview Bandshell Site



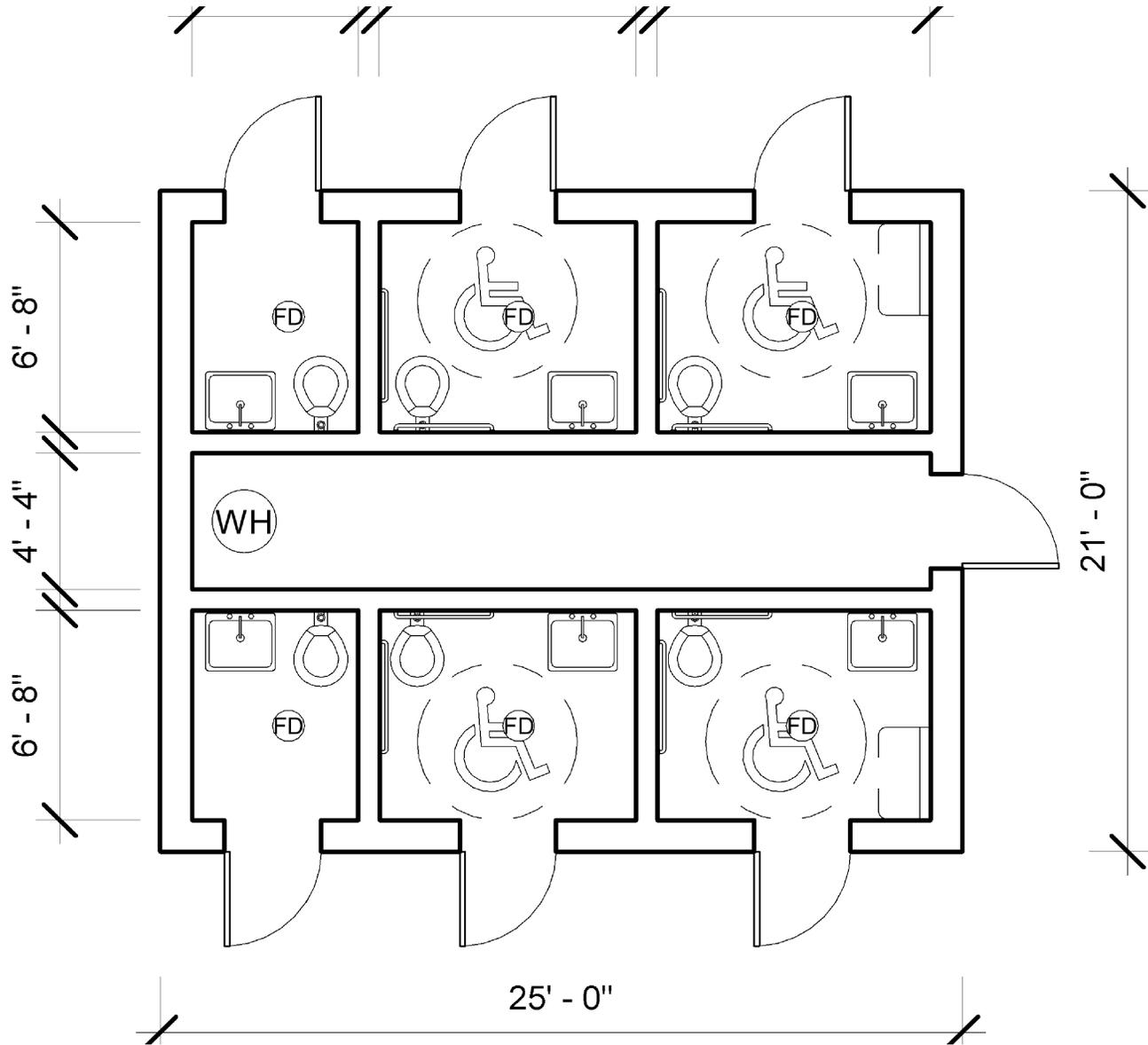


Riverview Bandshell: Shade Sails and Lighting

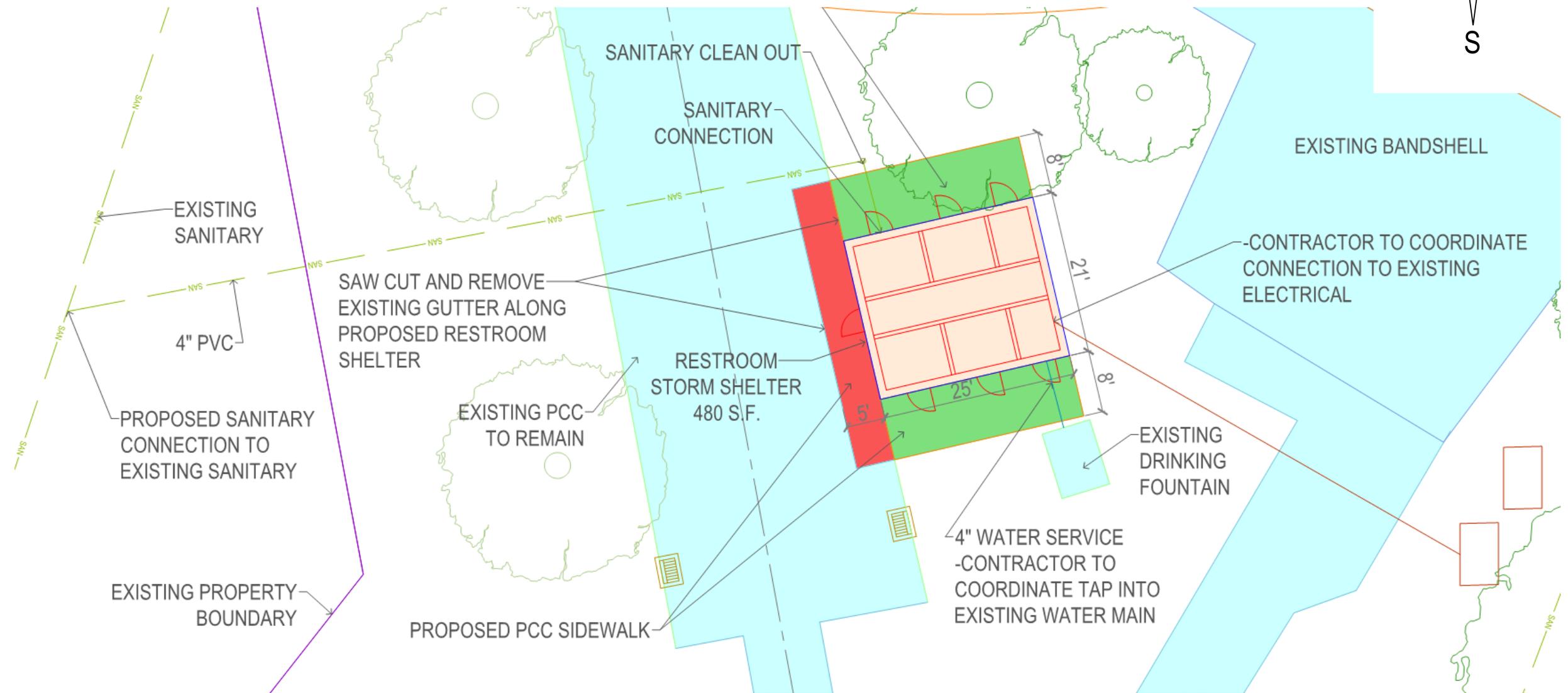
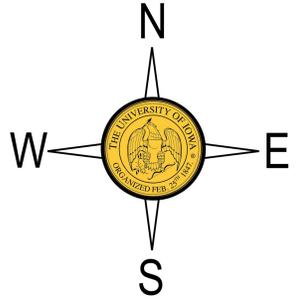
4. Restroom and Storm Shelter



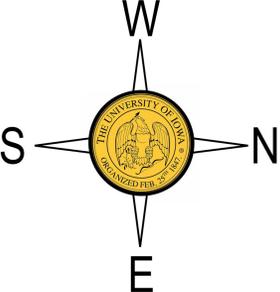
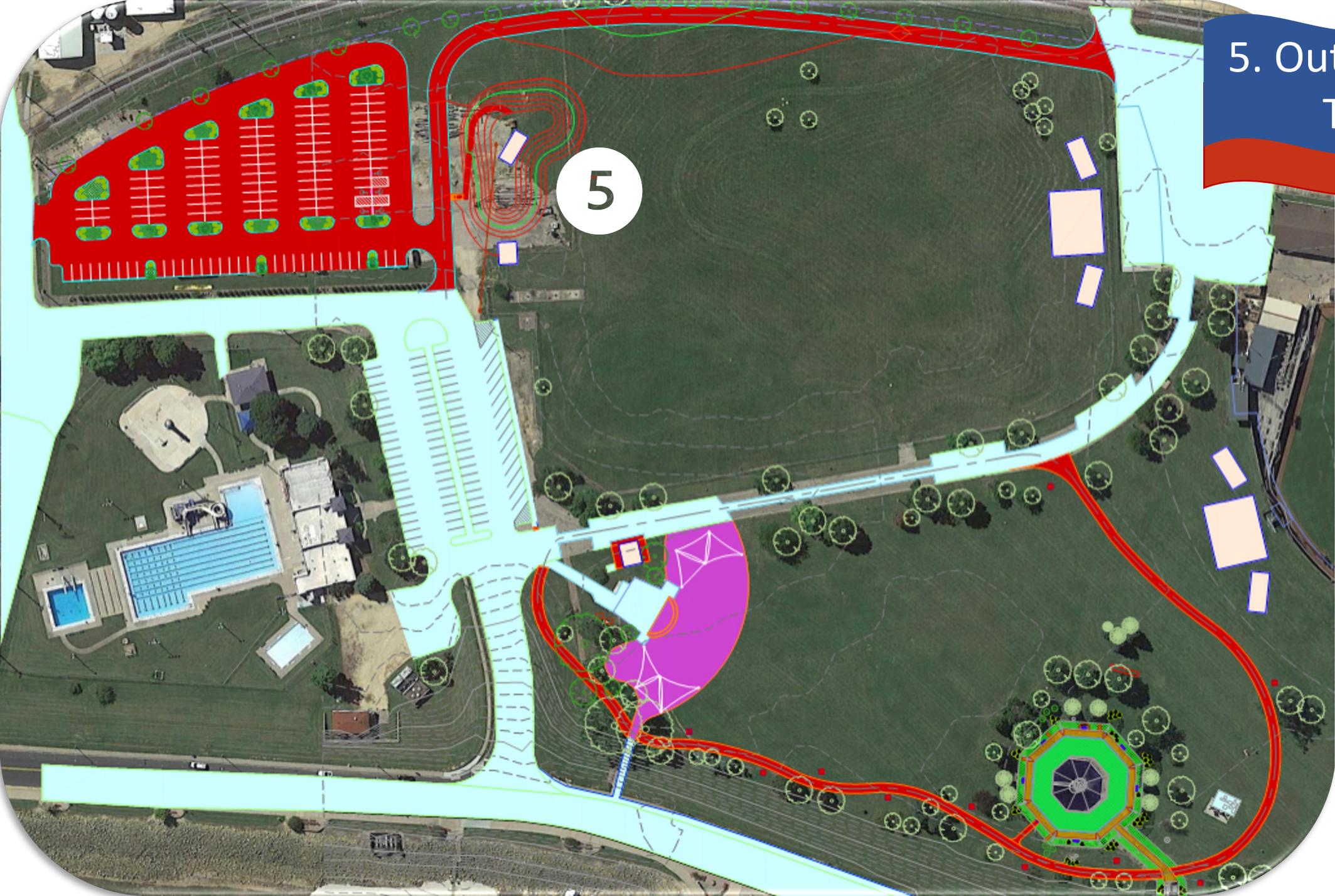
Restroom and Storm Shelter



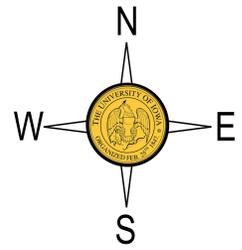
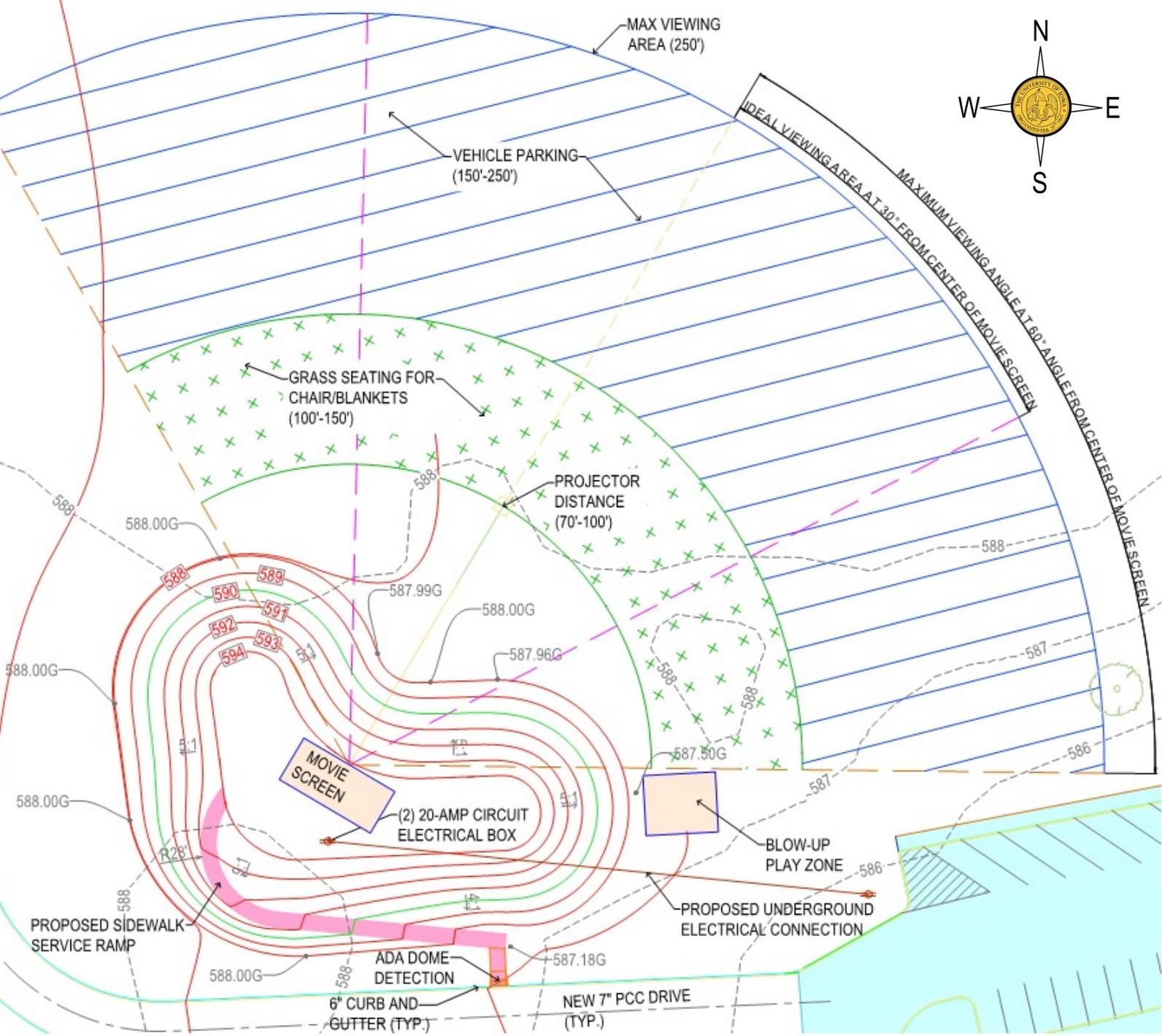
Restroom and Storm Shelter



5. Outdoor Movie Theater

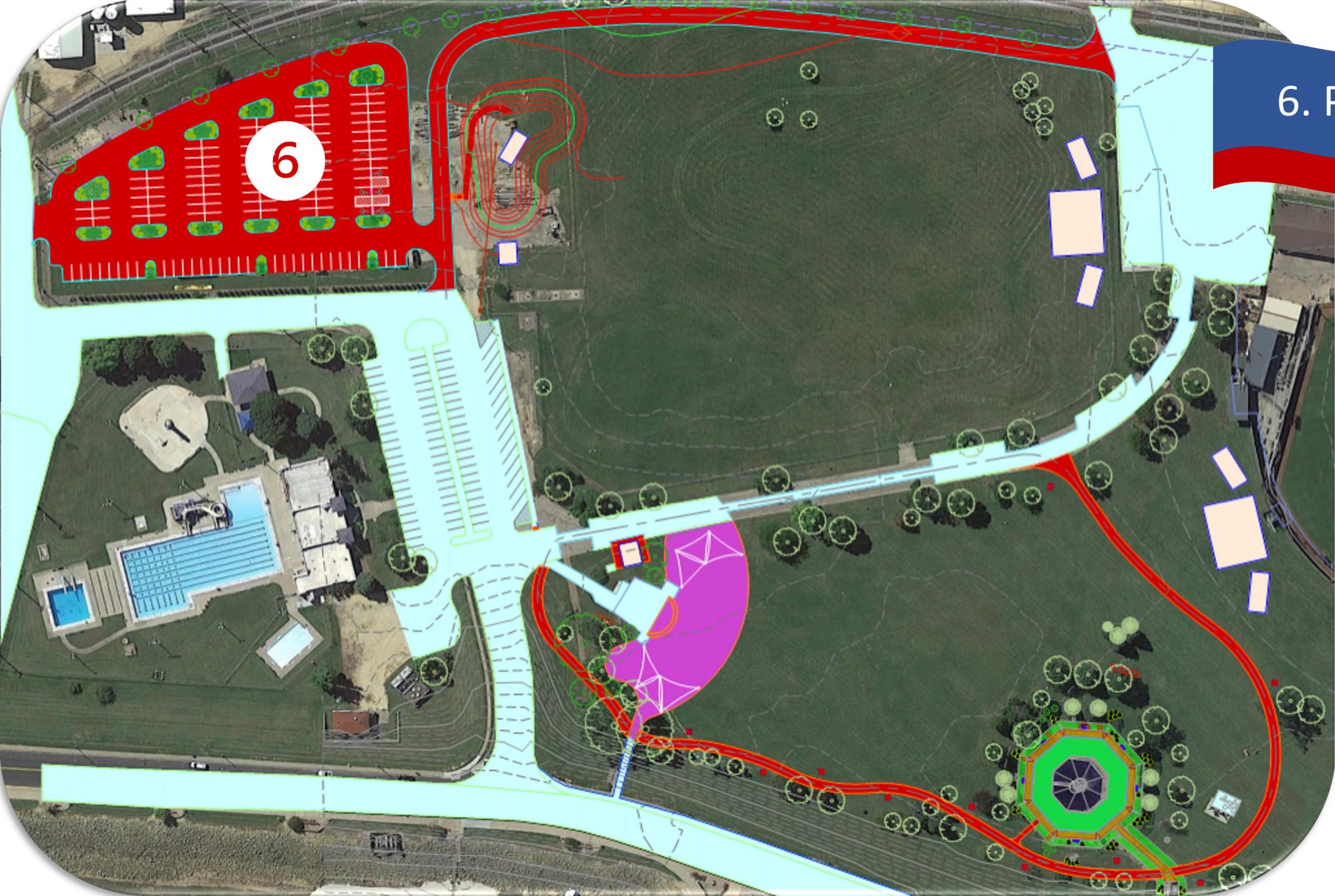
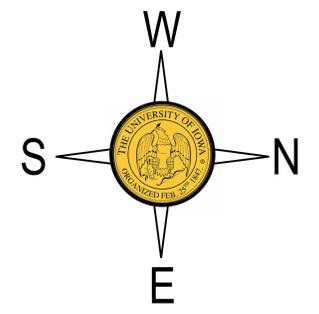


Outdoor Movie and Berm Stage

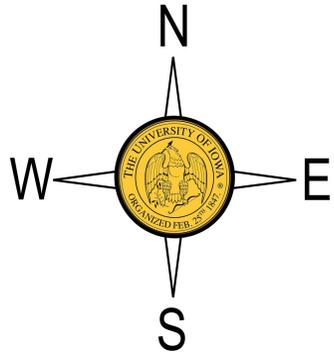


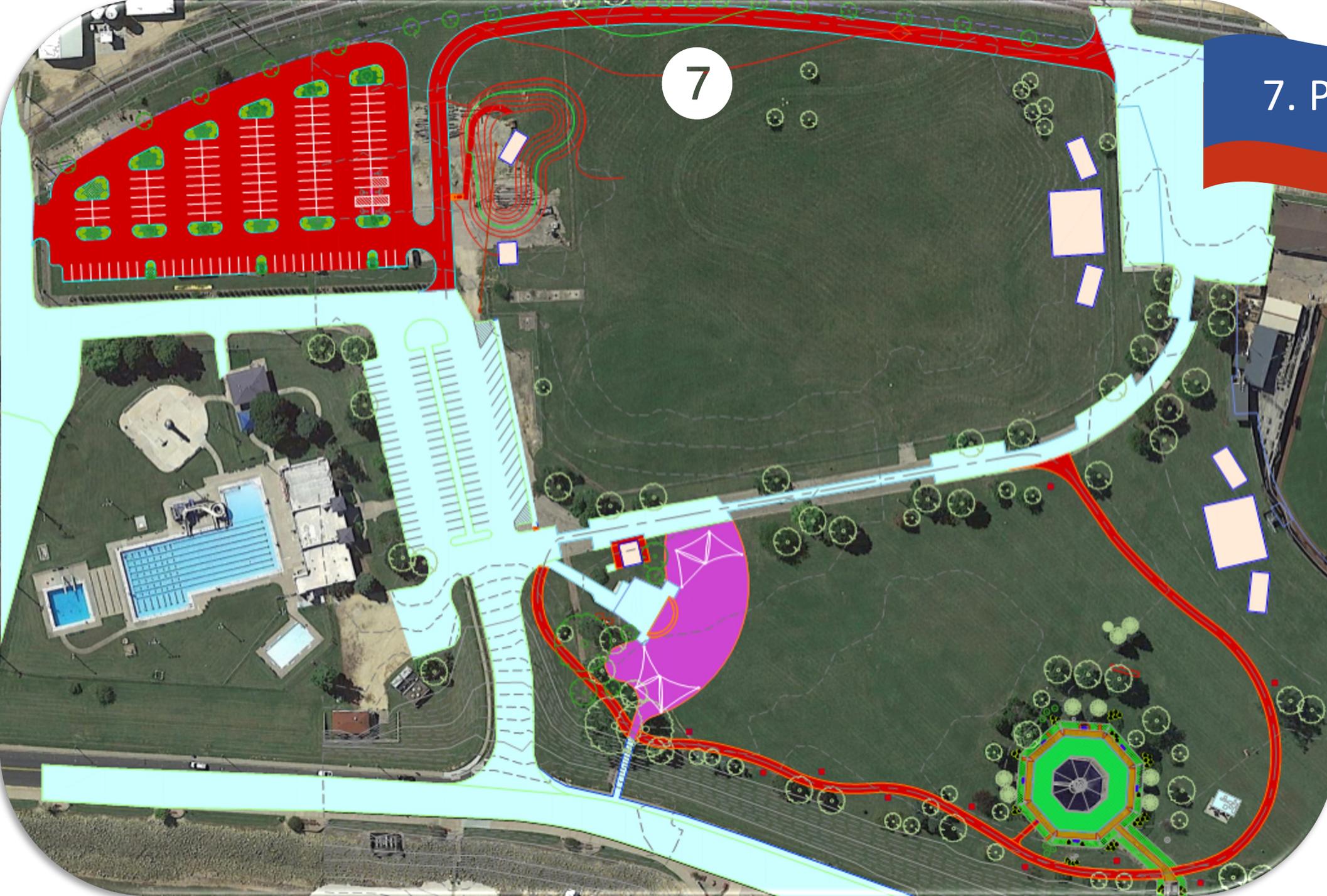
6. Parking Lot

6

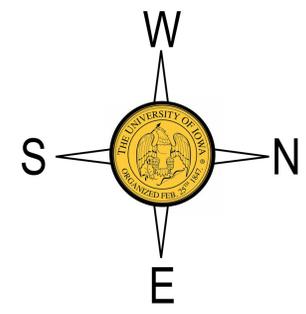


Proposed Parking Lot 143 – 10 Foot Wide Spaces (5 ADA)





7. Public Road



Tree Screening Along New Road

Japanese Lilac Tree



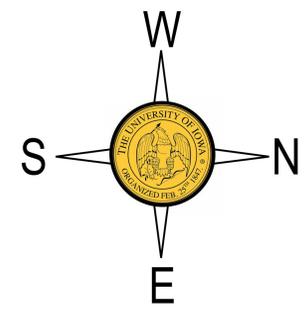
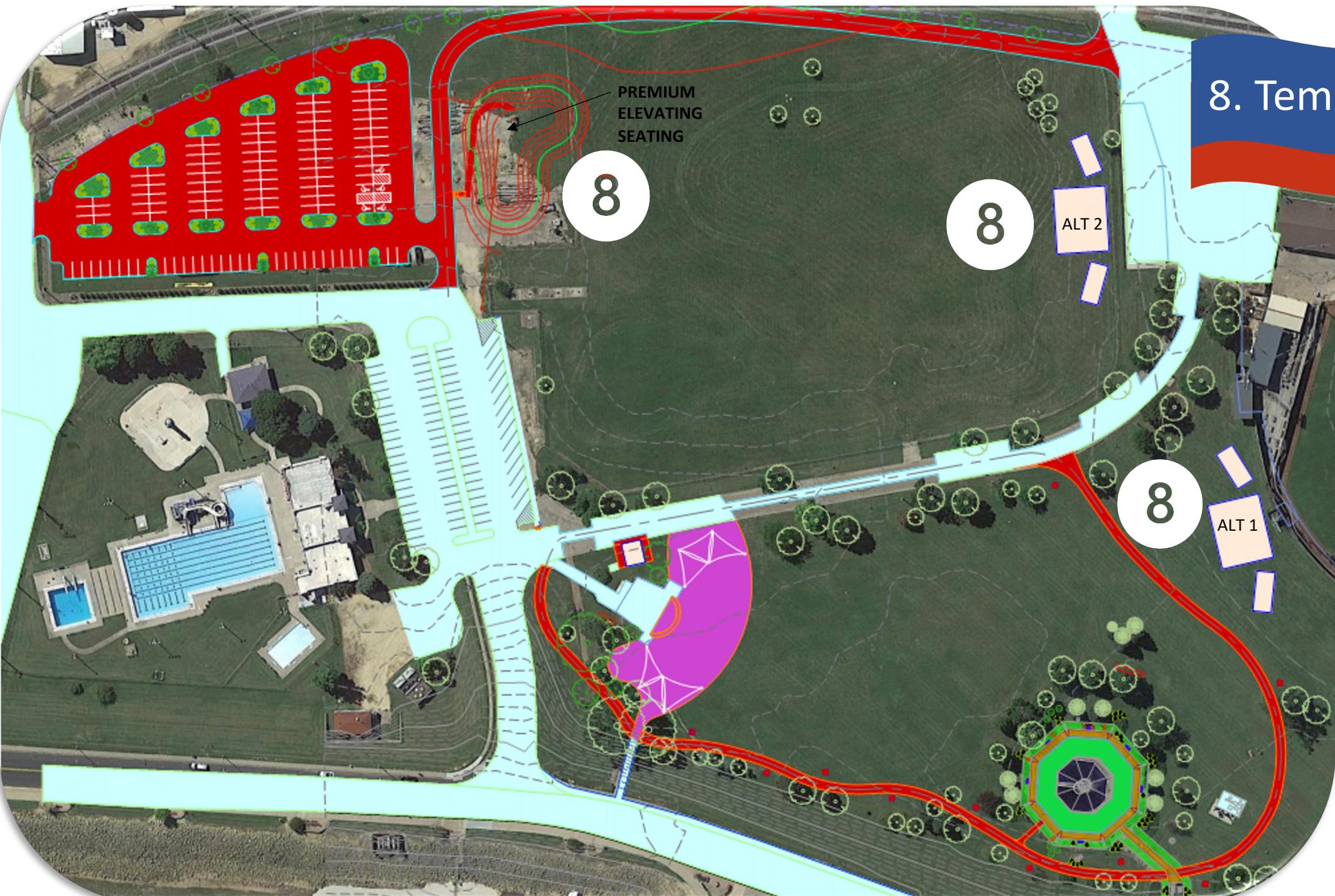
Silver Maple Tree



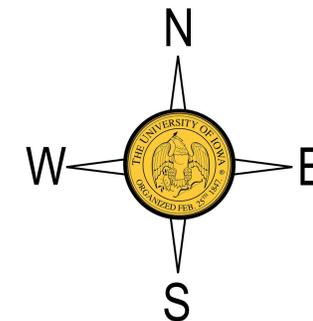
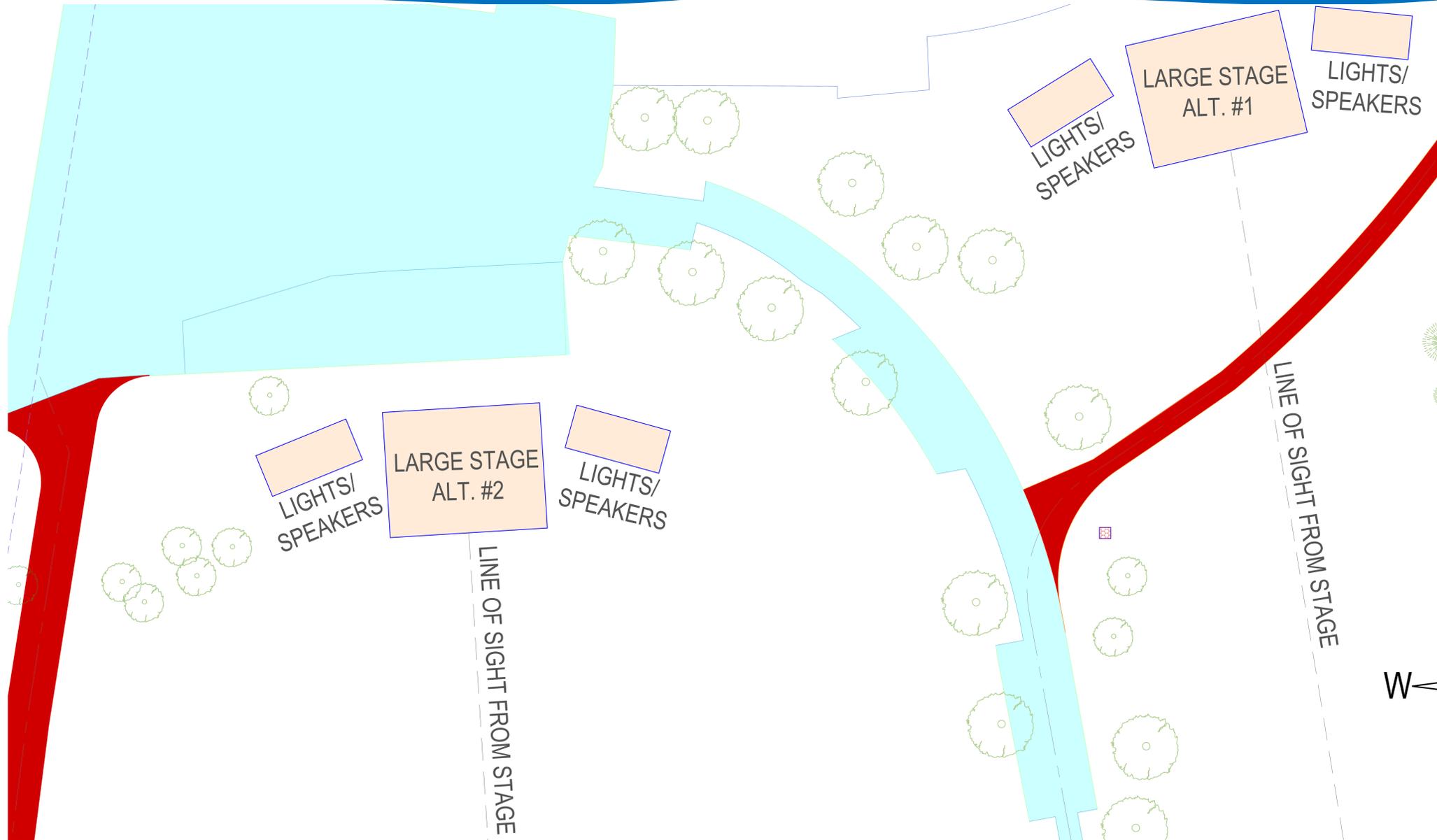
Pine Oak Tree



8. Temporary Stage



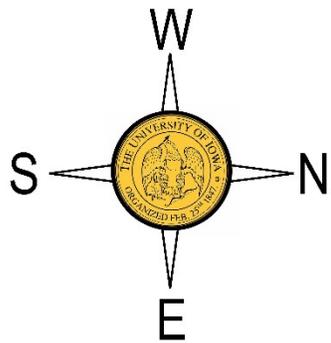
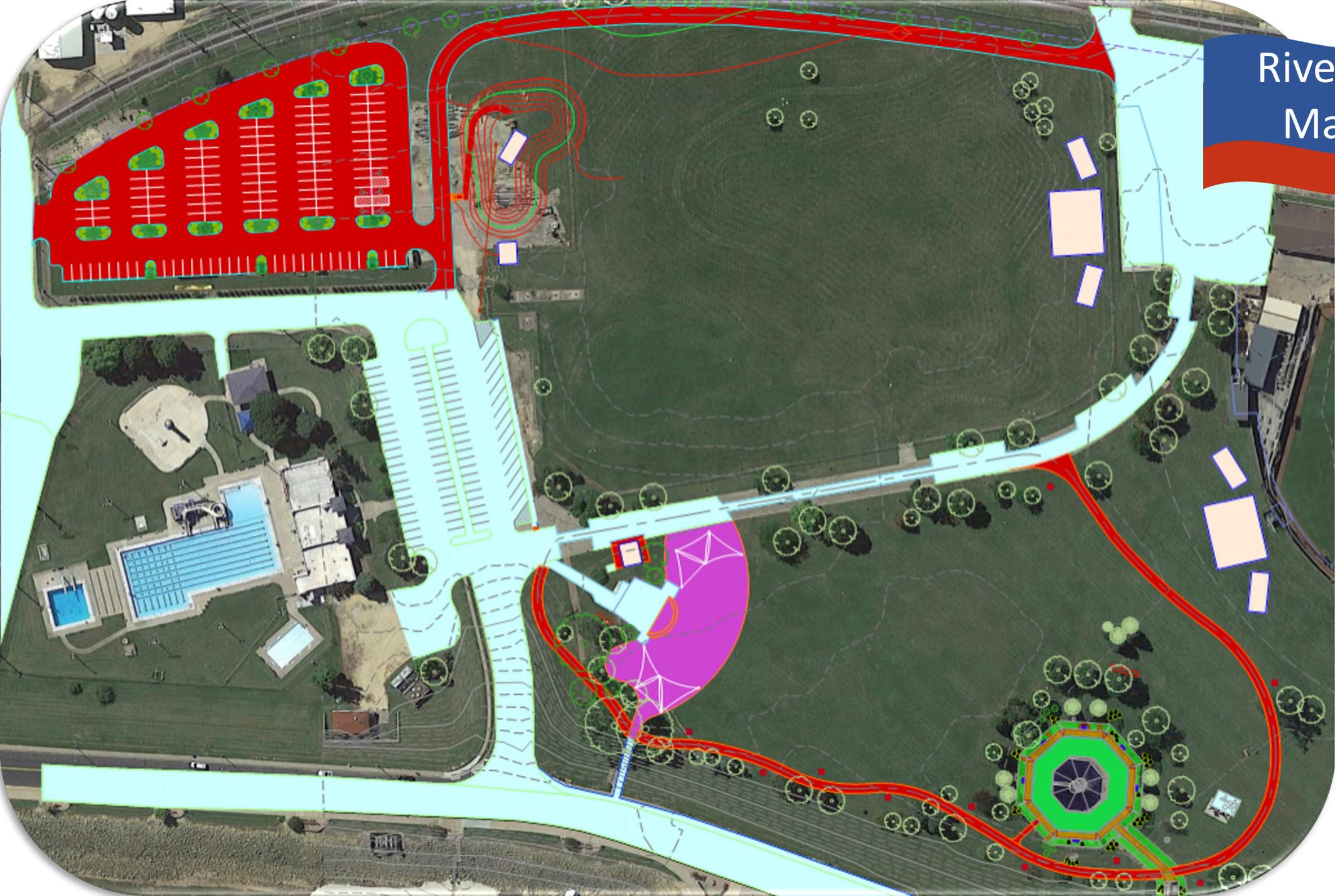
Large Event Temporary Stage Locations



Cost Estimate: Construction Costs

Groundwork					Lubbers Fountain				
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
TOPSOIL, FURNISH AND SPREAD	577	CY	\$ 29.00	\$ 16,700.00	TAYLOR JUNIPER TREE	50	EACH	\$ 75.00	\$ 3,750.00
COMPACTING BACKFILL ADJACENT TO STRUCTURES	42	CY	\$ 17.50	\$ 735.00	KARL FOERSTER GRASS	20	GAL	\$ 23.00	\$ 460.00
					GEOTEXTILES	595	SY	\$ 2.00	\$ 1,200.00
					RIPRAP	331	TON	\$ 40.00	\$ 13,200.00
TOTAL				\$ 17,435.00	TOTAL				\$ 18,610.00
20% CONTINGENCY				\$ 3,487.00	20% CONTINGENCY				\$ 3,722.00
9% ENGINEERING DESIGN AND ADMIN				\$ 1,569.15	9% ENGINEERING AND ADMIN				\$ 1,674.90
TOTAL ELEMENT COST				\$ 22,500.00	TOTAL ELEMENT COST				\$ 23,800.00
Bandshell Improvement					Walking Trail				
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
STAMPED P.C. CONCRETE, 6 IN.	2015	SY	\$ 78.00	\$ 157,000.00	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	1650	SY	\$ 65.00	\$ 107,000.00
SHADE SAIL	6	EACH	\$ 550.00	\$ 3,300.00	SIDEWALK, P.C. CONCRETE, 5 IN.	28	SY	\$ 52.00	\$ 1,450.00
SHADE SAIL POLE	10	EACH	\$ 1,750.00	\$ 17,500.00	REMOVAL OF CURB	7	STA	\$ 890.00	\$ 6,175.00
					ASPHALT REMOVAL	16101	SF	\$ 2.00	\$ 32,200.00
					3 IN. HOT MIX ASPHALT MIXTURE	1789	SY	\$ 16.00	\$ 28,600.00
TOTAL				\$ 177,800.00	TOTAL				\$ 175,500.00
20% CONTINGENCY				\$ 35,560.00	20% CONTINGENCY				\$ 35,100.00
9% ENGINEERING AND ADMIN				\$ 16,002.00	9% ENGINEERING AND ADMIN				\$ 15,795.00
TOTAL ELEMENT COST				\$ 229,500.00	TOTAL ELEMENT COST				\$ 226,500.00
Restroom/Storm Shelter					Berm Construction				
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
GRANULAR SUBBASE, 4 IN.	58	SY	\$ 9.75	\$ 570.00	SOIL TESTING	1	N/A	\$ 3,100.00	\$ 3,100.00
SIDEWALK, P.C. CONCRETE, 7 IN.	97	SY	\$ 81.00	\$ 7,900.00	SIDEWALK, P.C. CONCRETE, 4 IN.	79	SY	\$ 55.00	\$ 4,375.00
RESTROOM INSTALLATION	1	N/A	\$ 66,600.00	\$ 66,600.00	BERM FILL	2115	CY	\$ 14.00	\$ 29,600.00
UTILITY INSTALLATION	1	N/A	\$ 11,500.00	\$ 11,500.00	GRADING	1	N/A	\$ 7,500.00	\$ 7,500.00
TOTAL				\$ 86,570.00	TOTAL				\$ 44,600.00
20% CONTINGENCY				\$ 17,314.00	20% CONTINGENCY				\$ 8,920.00
9% ENGINEERING AND ADMIN				\$ 7,791.30	9% ENGINEERING AND ADMIN				\$ 4,014.00
TOTAL ELEMENT COST				\$ 111,500.00	TOTAL ELEMENT COST				\$ 57,500.00
West Drive					Parking Lot				
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
STANDARD FORM PORTLAND CEMENT CONCRETE, 7 IN.	2246	SY	\$ 77.00	\$ 173,000.00	STANDARD FORM PORTLAND CEMENT CONCRETE, 7 IN.	7806	SY	\$ 77.00	\$ 601,000.00
GRANULAR SUBBASE, 4 IN.	2246	SY	\$ 9.75	\$ 21,900.00	GRANULAR SUBBASE, 4 IN.	7806	SY	\$ 9.75	\$ 76,000.00
CURB AND GUTTER, P.C. CONCRETE, 6.0 FT.	1500	LF	\$ 86.00	\$ 129,000.00	CURB AND GUTTER, P.C. CONCRETE, 6.0 FT.	1323	LF	\$ 86.00	\$ 114,000.00
					3 IN. HOT MIX ASPHALT MIXTURE	7806	SY	\$ 16.00	\$ 125,000.00
TOTAL				\$ 323,900.00	TOTAL				\$ 916,000.00
20% CONTINGENCY				\$ 64,780.00	20% CONTINGENCY				\$ 183,200.00
9% ENGINEERING AND ADMIN				\$ 29,151.00	9% ENGINEERING AND ADMIN				\$ 82,440.00
TOTAL ELEMENT COST				\$ 418,000.00	TOTAL ELEMENT COST				\$ 1,181,500.00
TOTAL PROJECT COST									\$ 2,270,800.00

Riverview Park Master Plan



Alternate Slides –Not Part of Presentation

Lubbers Fountain Detailed Review

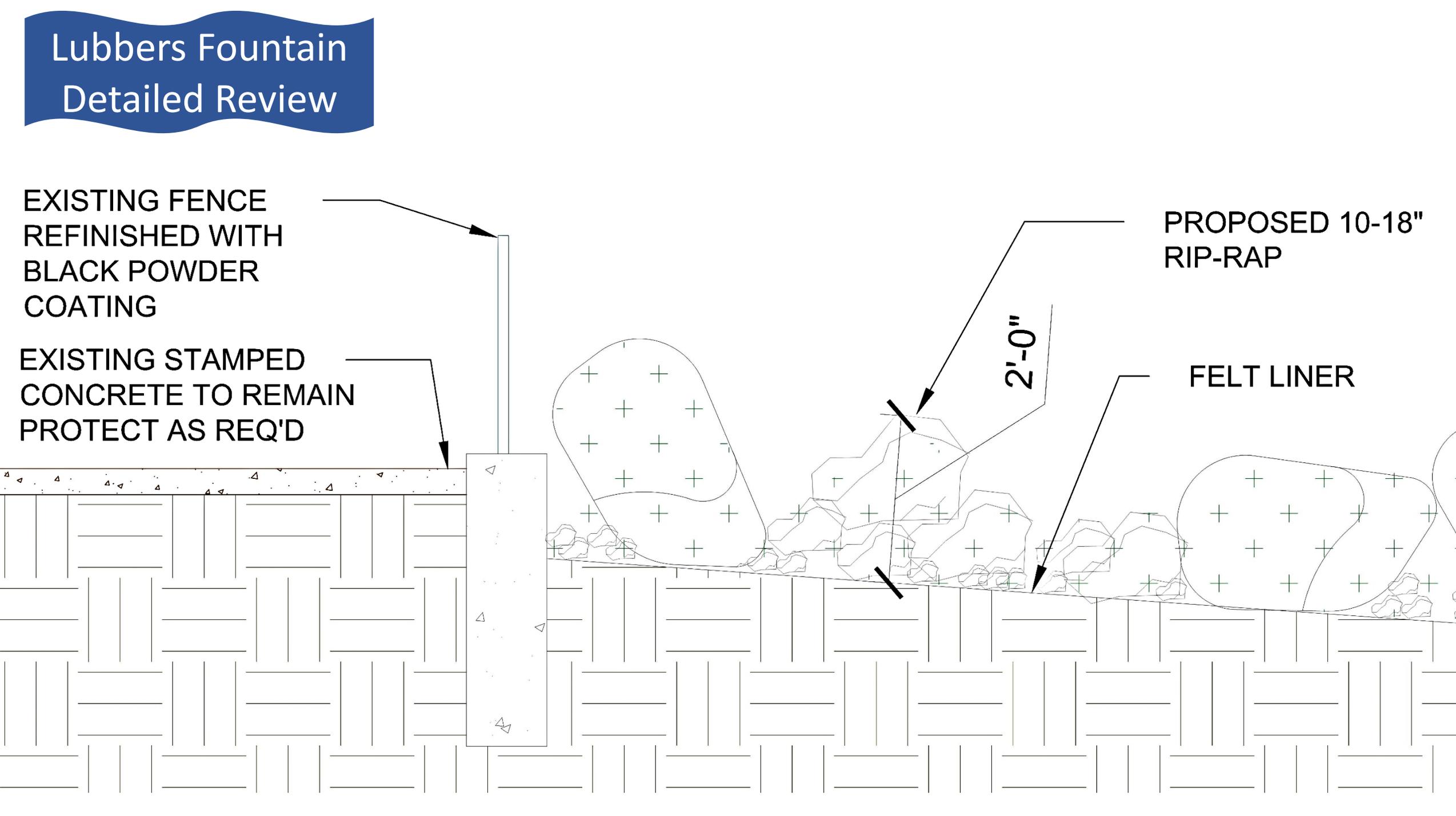
EXISTING FENCE
REFINISHED WITH
BLACK POWDER
COATING

EXISTING STAMPED
CONCRETE TO REMAIN
PROTECT AS REQ'D

PROPOSED 10-18"
RIP-RAP

2'-0"

FELT LINER



Trail Detailed Review

NOTE: SLOPE SIDEWALK IN ACCORDANCE WITH GRADING PLAN, 1.5% CROSS SLOPE

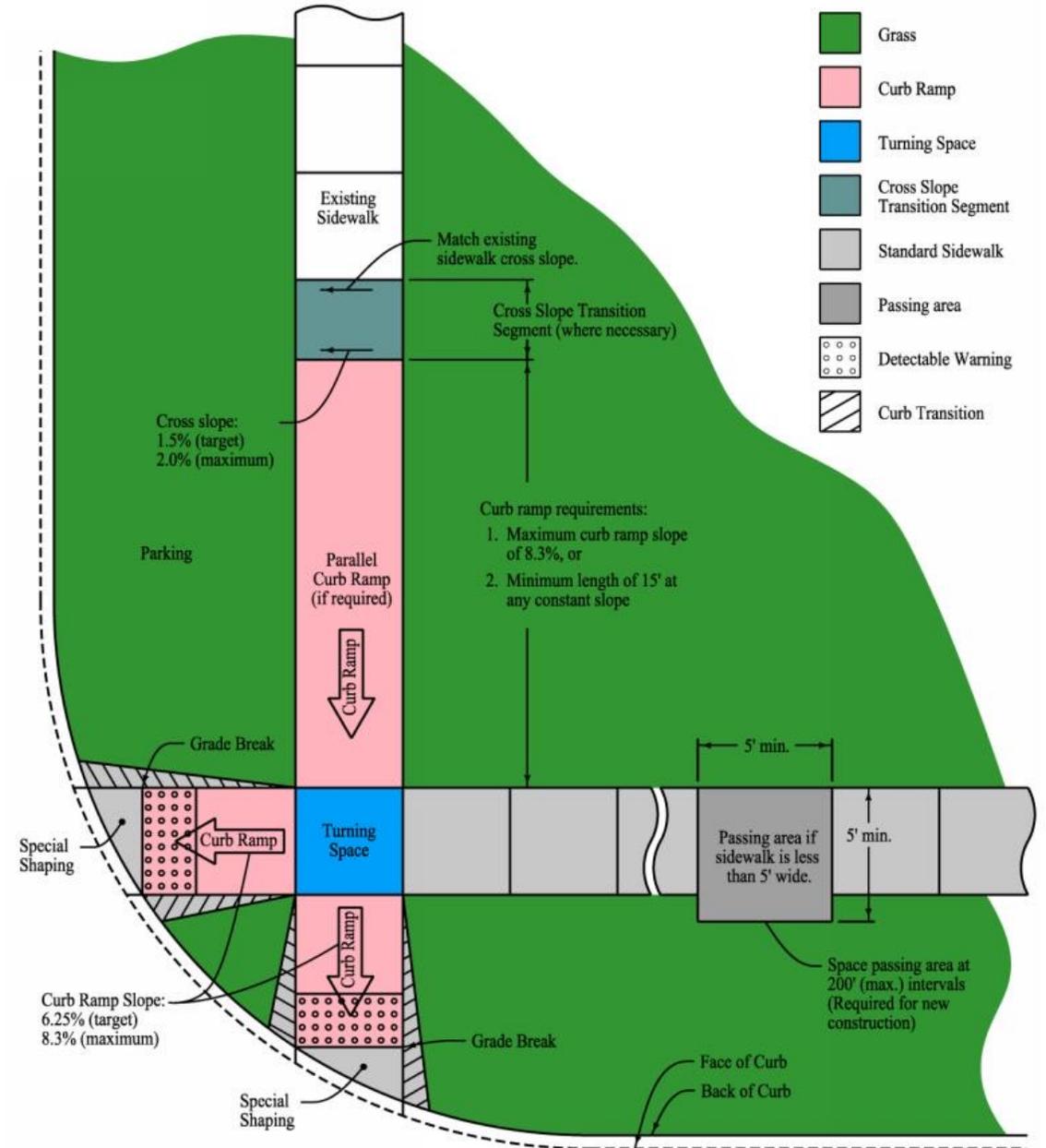
FINISHED GROUND GRADE (INCLUDING SOD) SHALL BE 1/4" BELOW FINISHED PAVEMENT GRADE ON DOWNHILL SIDE

WIDTH PER PLAN

7" PCC (UNLESS NOTED OTHERWISE)



Figure 12A-2.03: Standard Sidewalk and Curb Ramp Elements



Art Walk Requiring larger Spaces



Shelter Detailed Review

SHELTER REQUIREMENTS:

ICC 500 STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS:
TORNADO SHELTERS HAVE A MINIMUM DURATION OF OCCUPANCY OF 2 HOURS.
STORM SHELTER IS CONSTRUCTED OUT OF CONCRETE OR CONCRETE MASONRY.
CALCULATED SOIL PRESSURE UNDER THE SLABS-ON-GROUND SUPPORTING THE STORM SHELTER WALLS DOES NOT EXCEED 2,000 PSF (95.8KN/M²) FOR DESIGN LOADING CONDITIONS OTHER THAN DESIGN STORM EVENTS AND 3,000 PSF (143.7 KN/M²) FOR DESIGN STORM EVENTS.
STORM SHELTER IS ANCHORED AT A MINIMUM TO THE SLAB-ON-GROUND AT EACH CORNER OF THE STRUCTURE AND ON EACH SIDE OF DORM OPENINGS IN THE SHELTER ENVELOPE.
ALL EXPOSED COMPONENTS AND CLADDING ASSEMBLIES AND ROOF COVERINGS OF TORNADO SHELTERS SHALL MEET THE REQUIREMENTS OF THE APPLICABLE CODE.
EXTERIOR DOORS TO THE BUILDING SHALL HAVE A WEATHER SEAL PROVIDED AT THE UNDERCUT.
TORNADO SHELTERS SHALL BE PROVIDED WITH NATURAL VENTILATION OR WITH MECHANICAL VENTILATION (SECTION 702.4.1 AND 702.4.2). OPENINGS USED FOR ATMOSPHERIC PRESSURE CHANGE (APC) ARE PERMITTED TO BE COUNTED AS VENTILATION.

TELEMETRY REQUIREMENTS:

TELEMETRIC LOCKS TO DISENGAGE WITH TORNADO SIRENS. KEYS TO BE HELD BY EMPLOYEES OF THE PARK IN CASE OF MALFUNCTION.

LOAD REQUIREMENTS:

LOAD COMBINATIONS: ICC 500 STORM SHELTER LOAD COMBINATIONS DO NOT INCLUDE SNOW LOADS BECAUSE TORNADO AND HURRICANES OCCUR DURING WARM WEATHER. HOWEVER, SNOW LOADS MUST BE INCLUDED AS REQUIRED BY THE APPLICABLE CODE WHEN CHECKING THE NON-STORM SHELTER LOAD COMBINATIONS.

RAIN LOADS: THE STANDARD DOES NOT PROVIDE ADDITIONAL RAIN LOAD REQUIREMENTS FOR TORNADO STORM SHELTERS, SO TORNADO SHELTERS AND SAFE ROOMS ARE ONLY REQUIRED TO COMPLY WITH THE APPLICABLE CODE FOR RAIN LOADS WHERE REQUIRED BY THE NORMAL-USE LOAD COMBINATIONS.

ROOF LIVE LOADS MINIMUM: ICC 500-2020 REQUIRES LIVE LOADS TO COMPLY WITH APPLICABLE CODE, BUT NOT LESS THAN 100 POUNDS PER SQUARE FOOT (4.8KN/M²)

FLOOR LOAD MINIMUM: AS A RESULT, ICC 500-2020 REQUIRES TORNADO STORM SHELTER FLOOR LIVE LOADS TO BE NO LESS THAN THE APPLICABLE CODE REQUIRES FOR ASSEMBLY OCCUPANCIES

WIND LOAD: SAFE ROOM DESIGN WIND SPEED OF 250 MPH.



Drive-in Detailed Review

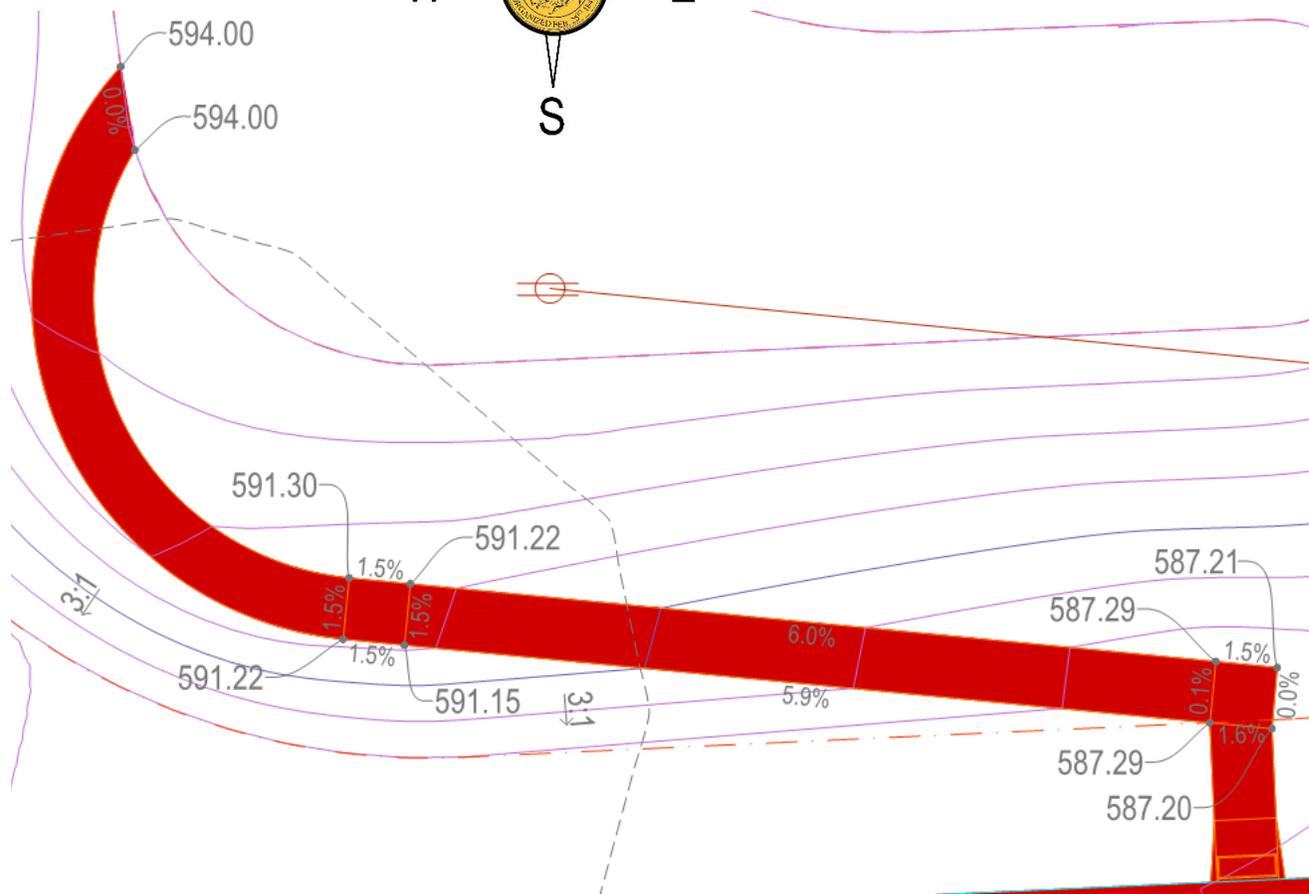
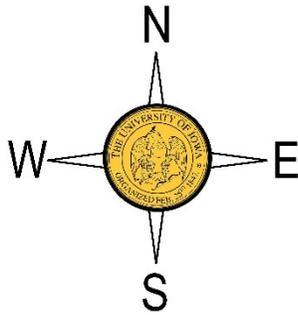
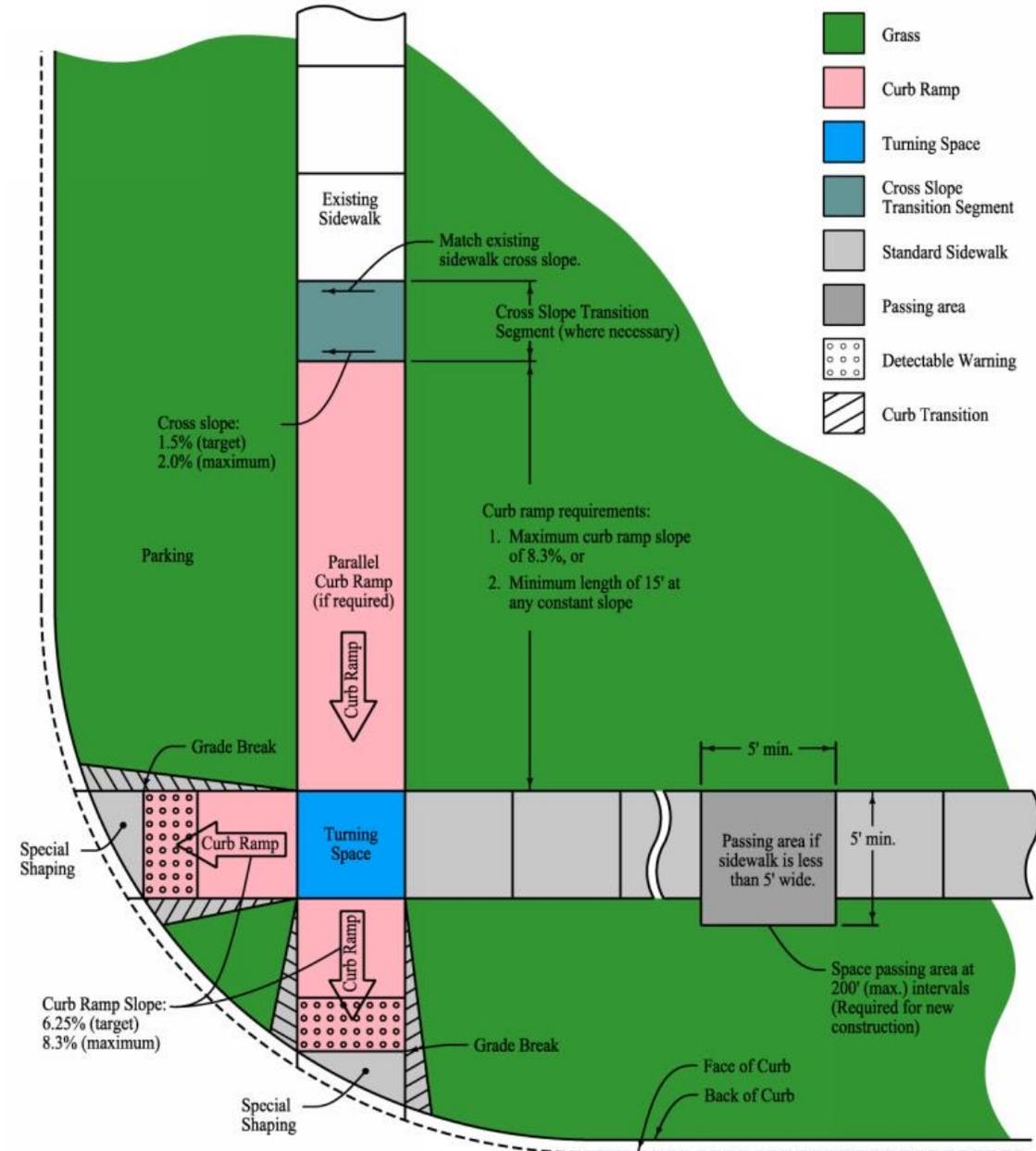


Figure 12A-2.03: Standard Sidewalk and Curb Ramp Elements



Parking Lot Detailed Review

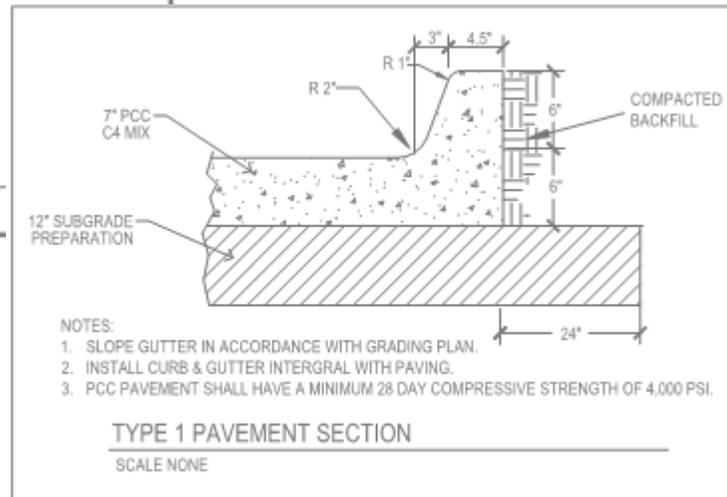
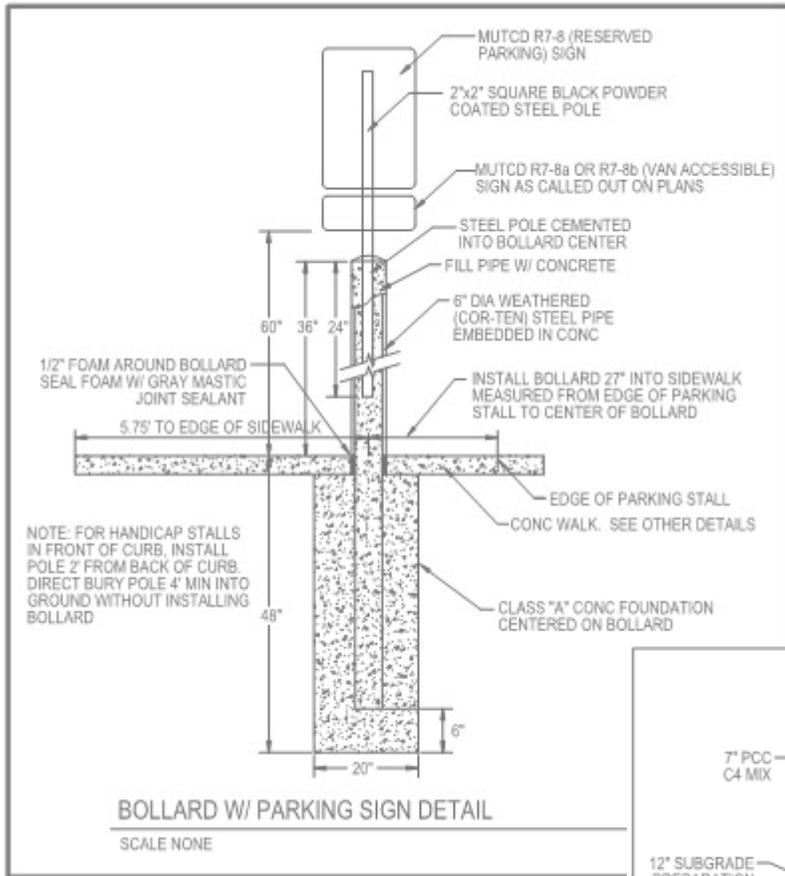


Figure 12A-2.03: Standard Sidewalk and Curb Ramp Elements

