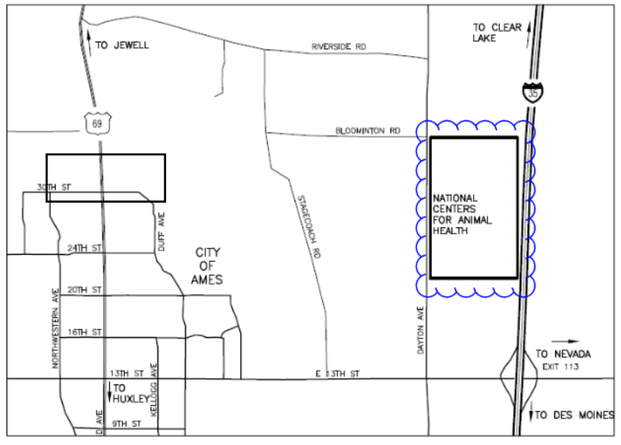
UNITED STATES DEPARTMENT OF AGRICULTURE

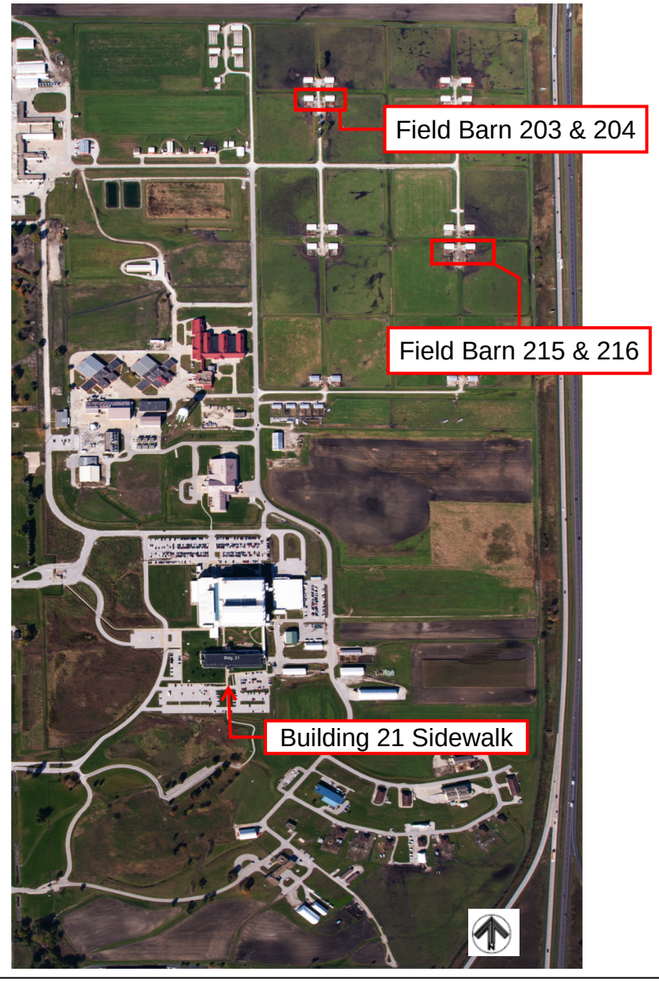
AGRICULTURE RESEARCH SERVICE

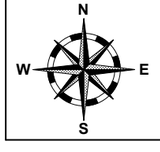
NATIONAL CENTERS FOR ANIMAL HEALTH

FY23 Concrete Repairs



VICINITY MAP
SCALE: NONE





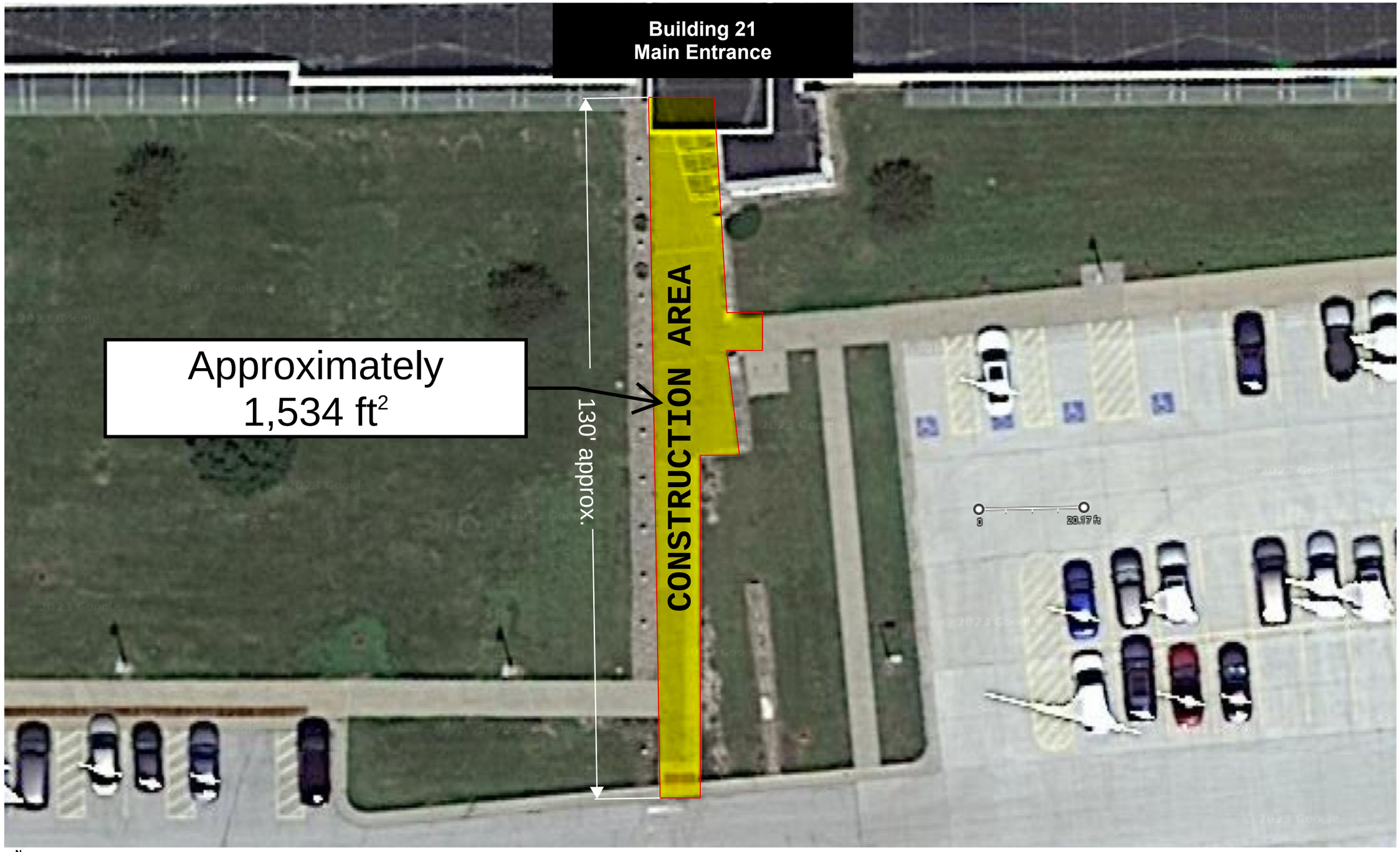
USDA
Agricultural Research Service
U.S. Department of Agriculture

NCAH
1920 Dayton Avenue
Ames, Iowa 50010

Engineering Project Manager:	Contracting Officer:	Contracting Officer Rep.:	Location Coordinator:
Tommy Walker	Josh Dobereiner	Tommy Walker	N/A

PROJECT TITLE: FY23 Concrete Repairs

Task Order #:
Date:
Drawing Title: Title Page
Revision: FOR BID
Date: 5/10/2023
Drawing Number: 1
Designer: Tommy Walker
FEU Project #: 23010
Client: USDA
Sheet: 1 Of 10



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Drawing Title:
Work Location & Footage-21

Drawing Number:
2

Sheet: 2 Of 10

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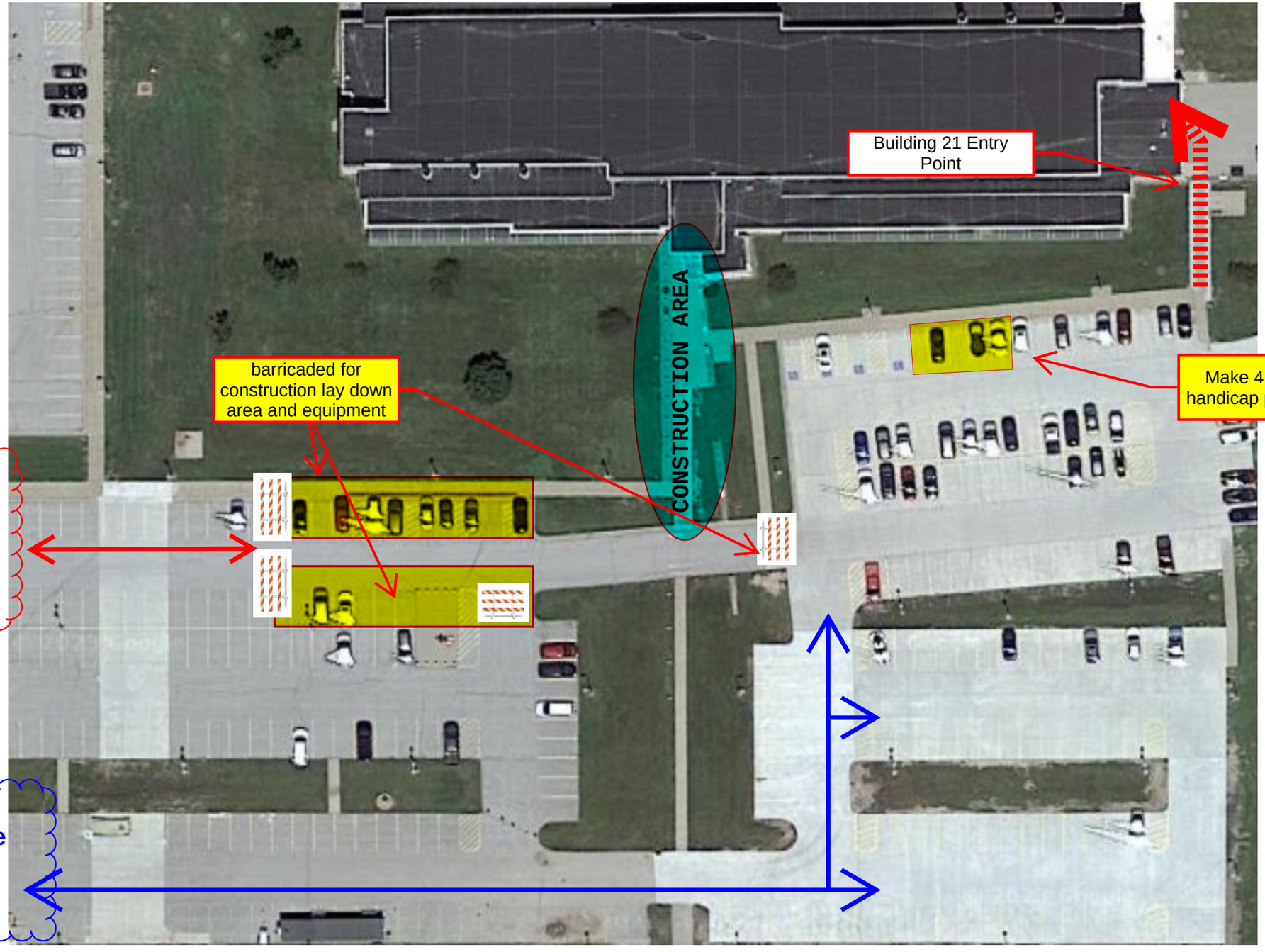
Drawing Title:
Work Location & Callouts

Drawing Number:
3

Sheet: 3 Of 10



Drawing Title: Traffic-Pedestrian Control

Drawing Number: 4

Sheet: 4 of 10

AREA 1 - Building 21 Main Entrance Sidewalk:

1.Replace approximately 1,534 square feet of cracked sidewalk from the roadway leading into the southern main entrance into building 21.

2.Contractor shall remove all concrete within area shown in drawings down to existing base and replace concrete with new. Contractor may use USDA crushed concrete from the on-site USDA stockpile as new base if needed.

3.New concrete shall be, at a minimum, the same thickness of slab as existing concrete sidewalk. Contractor shall install new #5 steel rebar reinforcing 16” on center (2” from bottom of pour) in each direction in all areas receiving new concrete and dowel rebar into any existing adjacent concrete of area receiving new concrete a minimum of 8” into existing sidewalk and paving.

4.All new concrete in this area shall be sloped to match existing slope. Contractor shall remove debris and seal joints and cracks in existing and new concrete located within this area. Contractor to saw-cut concrete. Cuts to match existing sizes and patterns in sidewalk, except where detailed in drawing (page 6).

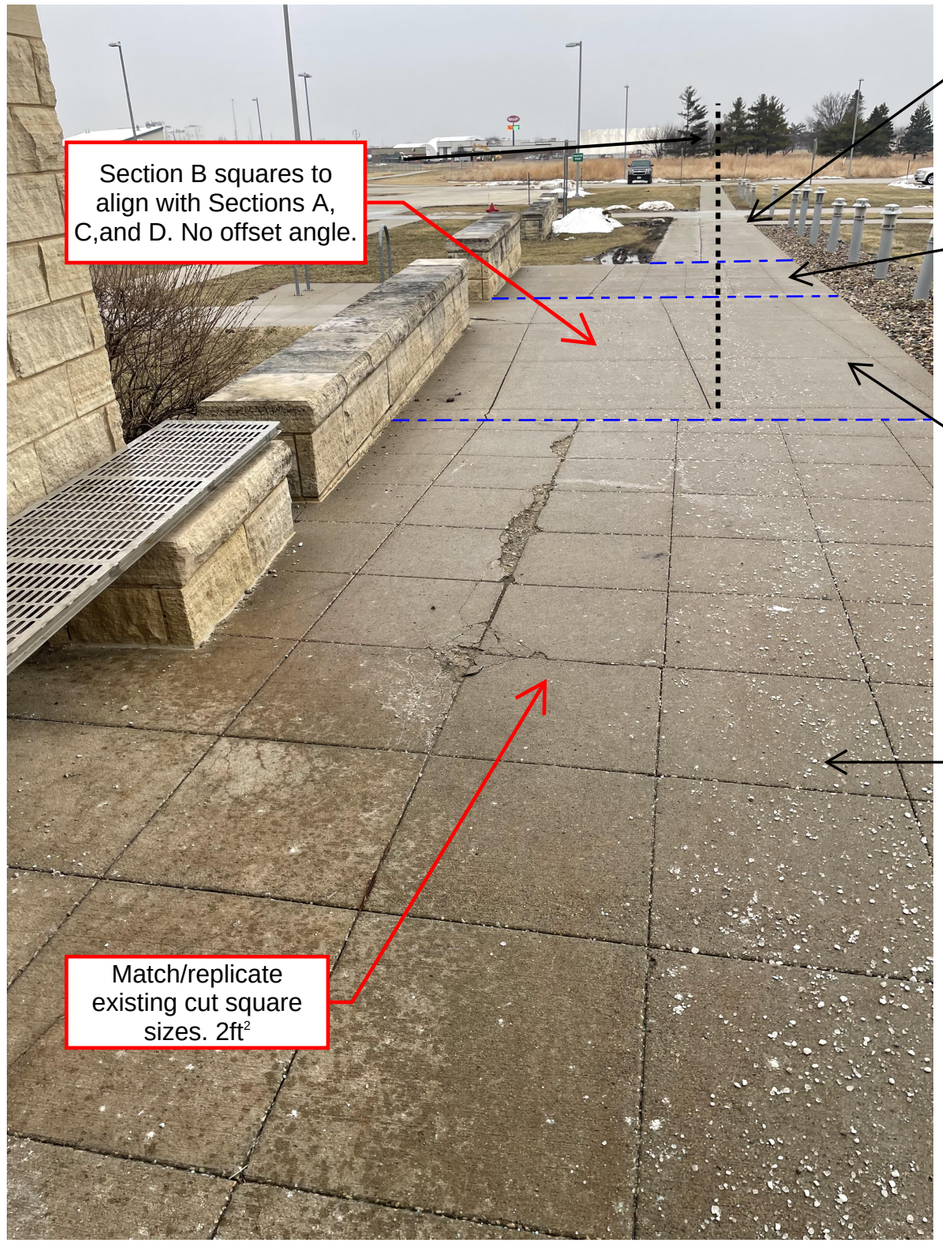
5.Coordinate all downtime with the USDA for this area of work. All existing storm intakes/manholes/utilities shall be maintained and protected during construction as they are.

6.See attached drawings for further reference/guidance to the above Area.

7.Contractor shall take any-and-all precautions necessary to not damage surrounding campus areas, construction, utilities, and finishes including areas not noted to be in the concrete and paving scope. Any areas including pavement, utilities, grass, gravel/rocks, bollards, and building structures that is disturbed by Contractor’s work shall be fixed to match existing construction and finish to pre-construction condition. Glass at the main entry foyer of the building where the sidewalk begins shall be rinsed clean, using clean tap water, of concrete dust, dirt, and debris at completion of the sidewalk repair.

Drawing Title:
Statement of Work-21 Sidewalk

Drawing Number:
5



Section-D
5ft
squares
10ft wide
total

Section-C
5ft
squares

Section-B
5ft
squares

Section-A
2ft
squares

1. Square sizes in B, C, and D to be (5' squares).

2. Dotted line represents approximate section D centerline. North South cuts in all sections to follow this angle.

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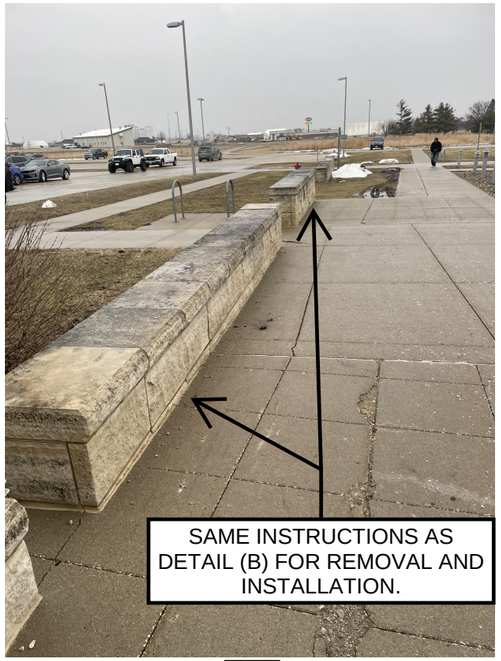
Drawing Title:
Photo Detail

Drawing Number:
6

Sheet: 6 of 10

DETAILS

(1)



(2)
(3)

(2)

Drawing Title: Rock Wall Detail

Drawing Number: 7

Sheet: 7 Of 10

ALL FIELD BARNS

1.Install approximately 538 square feet of concrete in feed bunk area field barns 203 & 204. Install approximately 782 square feet of concrete in feed bunk area field barns 215 & 216.

2.Contractor shall remove all dirt, gravel, and debris within area shown in drawings down to existing base and replace concrete with new concrete. Contractor may use USDA crushed concrete from the on-site USDA stockpile as new base if needed.

3.New concrete shall be, at a minimum, the same thickness of slab as existing concrete feed bunk slab. Contractor shall install new #5 steel rebar reinforcing 16” on center (2” from bottom of pour) in each direction in all areas receiving new concrete and dowel rebar into any existing adjacent concrete of area receiving new concrete a minimum of 8” into existing sidewalk and paving. All new concrete in this area shall be sloped to match existing slope. Where the edge of concrete meets the existing wooden fence posts, there shall be a gap of 2” between concrete edge and posts.

4.USDA will move the concrete feed bunks off existing slab, clean debris from existing slab, and move feed bunks back into place upon project completion. Contractor shall remove debris and seal joints and cracks in existing and new concrete located within this area. Contractor to saw-cut concrete to match existing feed bunk concrete pad cuts.

5.Coordinate all downtime with the USDA for this area of work. All existing storm intakes/manholes/utilities shall be maintained and protected during construction as they are, if applicable.

6.See attached drawings for further reference/guidance to the above Area.

7.Contractor shall take any-and-all precautions necessary to not damage surrounding campus areas, construction, utilities, and finishes including areas not noted to be in the concrete and paving scope. Any areas including pavement, utilities, grass, gravel/rocks, bollards, and building structures that is disturbed by Contractor’s work shall be fixed to match existing construction and finish to pre-construction condition.

Drawing Title:
Statement of Work-21 Sidewalk

Drawing Number:
8

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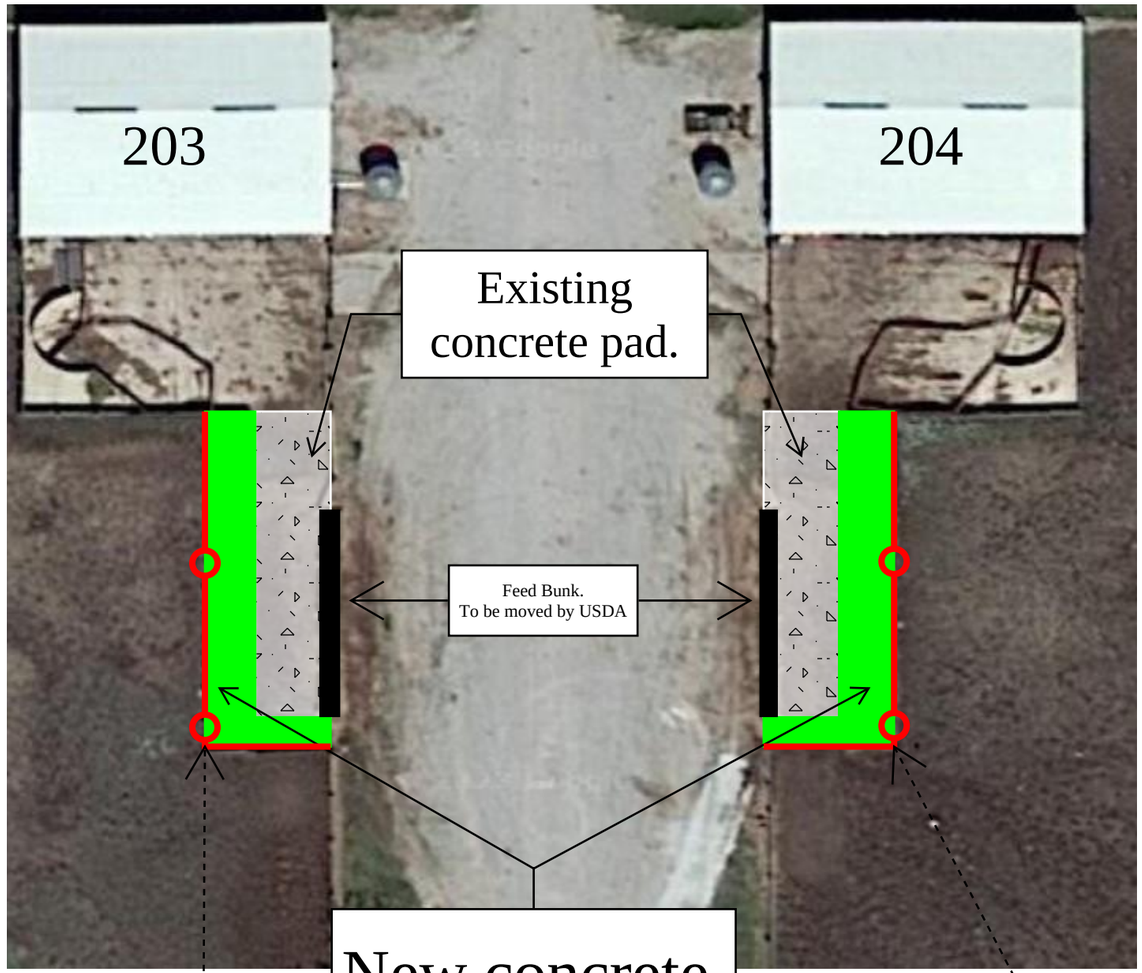

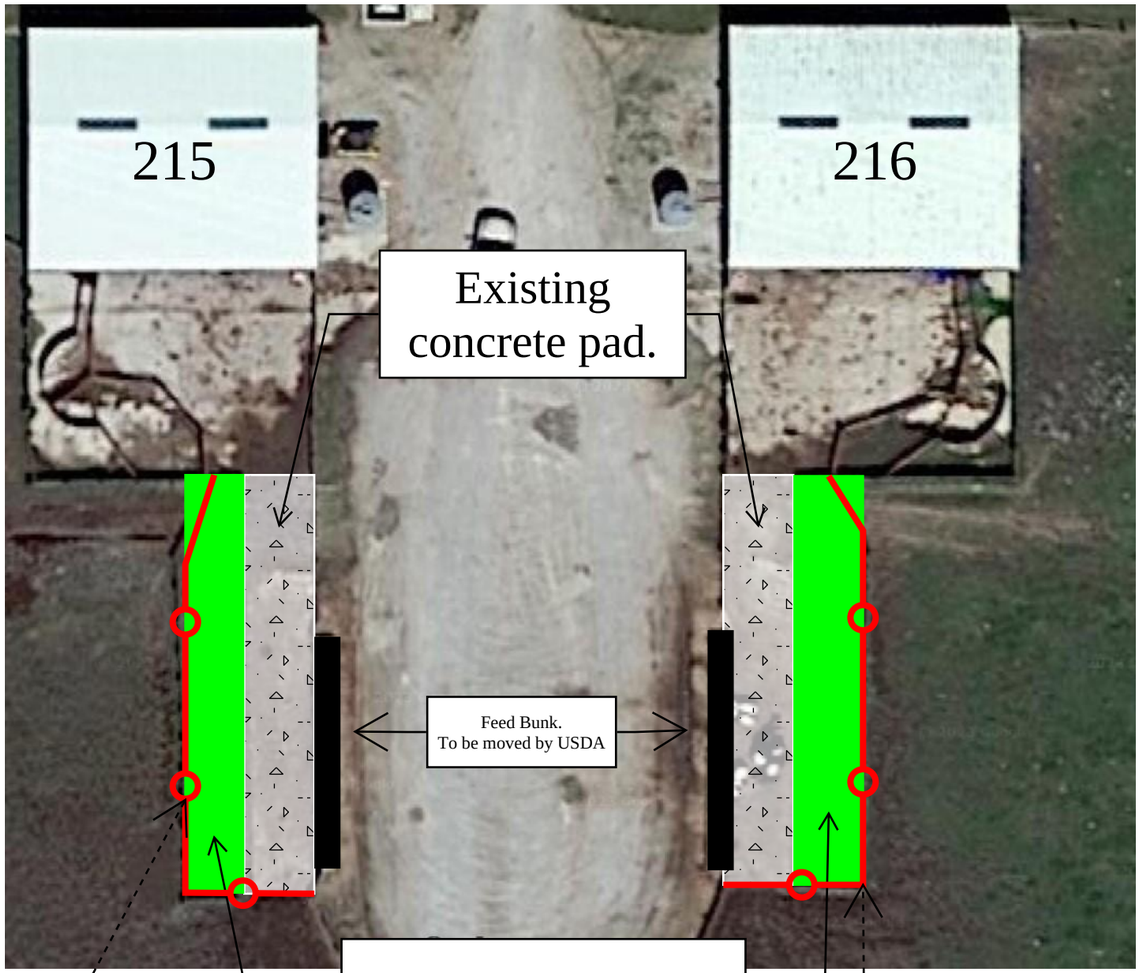

Wood Fence

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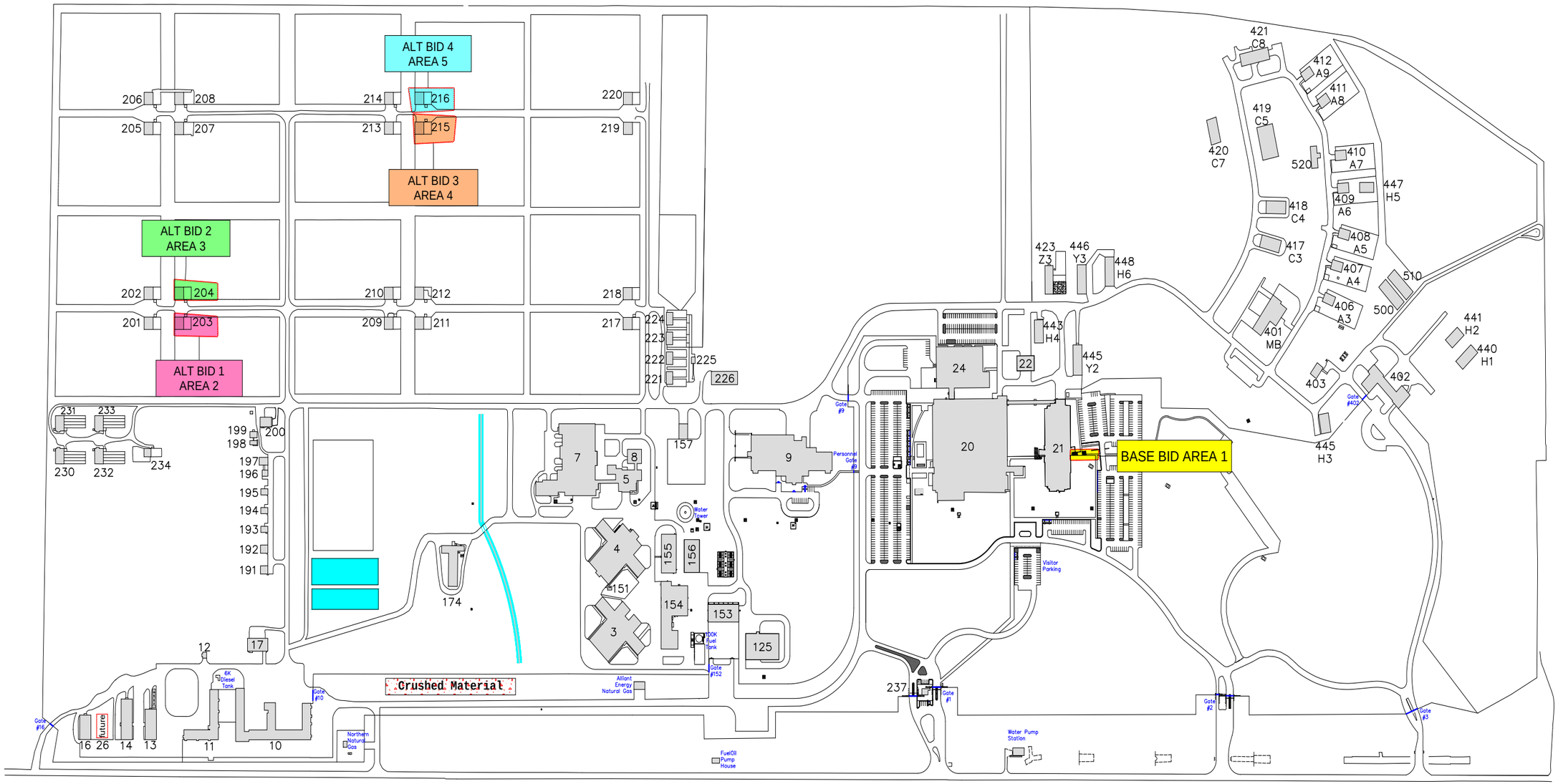
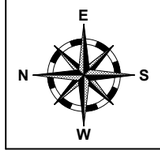
Drawing Title:
Work Location & Footage-FBs

Drawing Number:
9

Sheet: 9 Of 10





Drawing Title:
Site Bid Areas

Drawing Number:
10

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