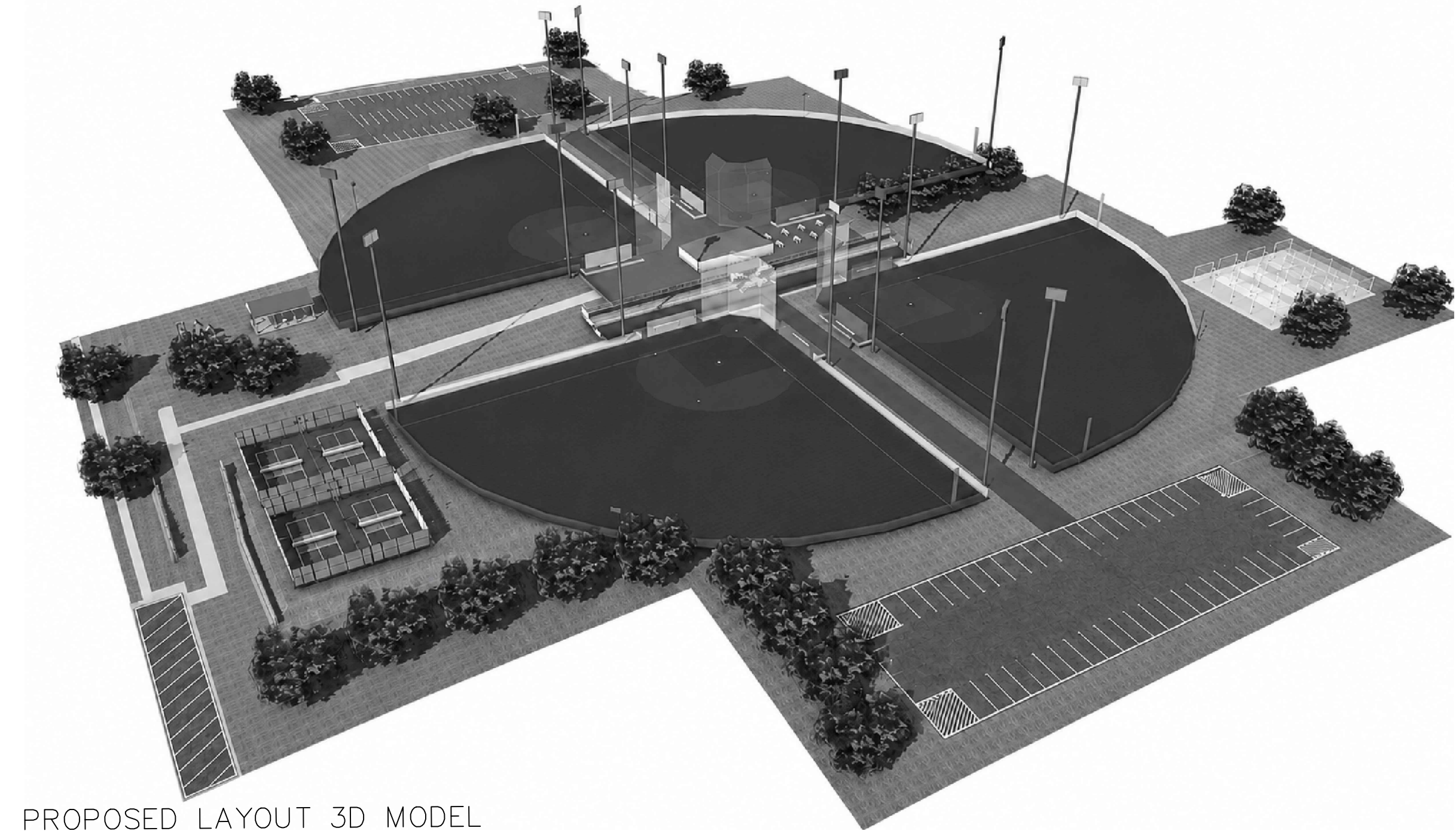
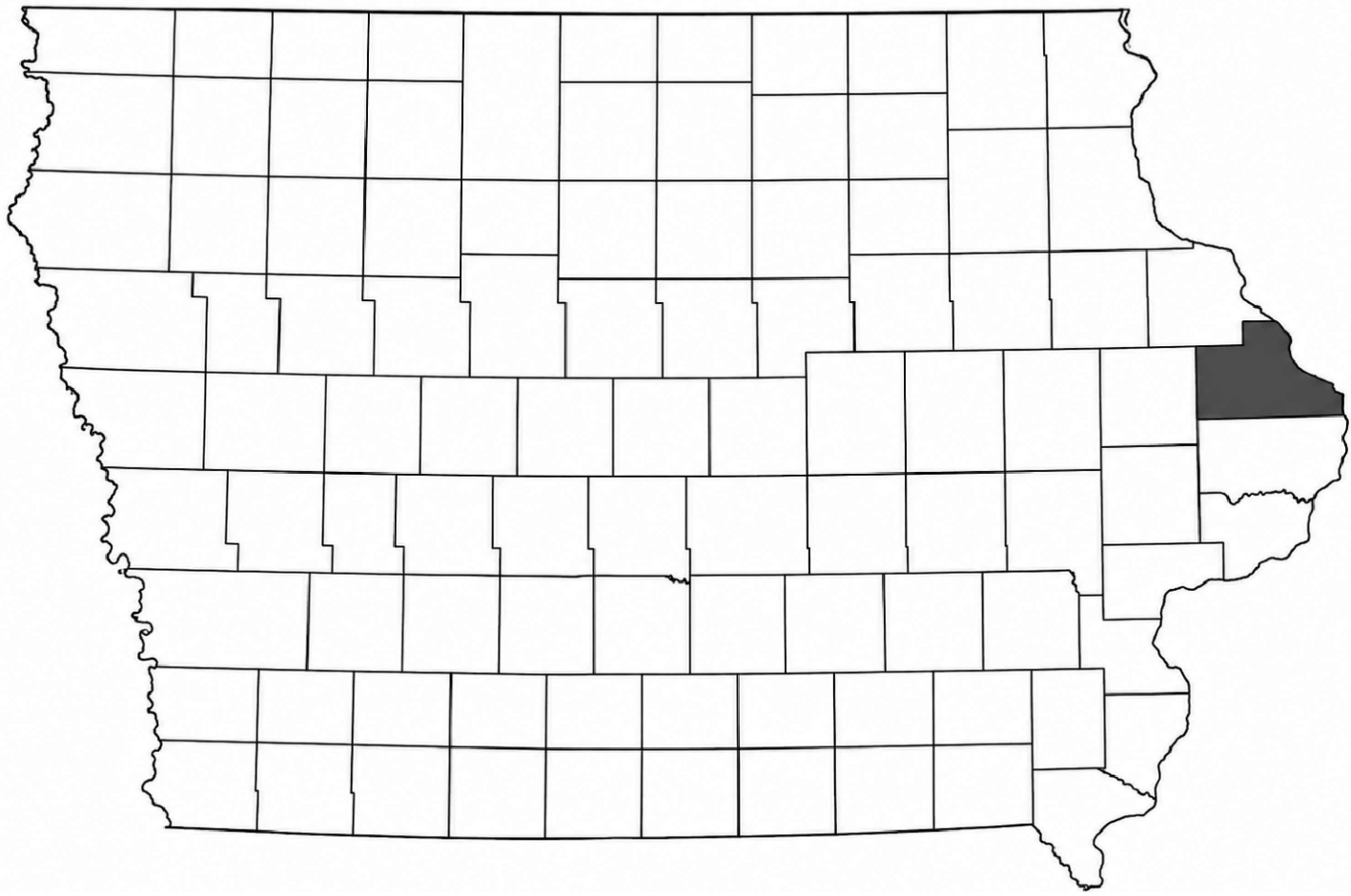


MAQUOKETA BASEBALL QUADPLEX DESIGN



PROPOSED LAYOUT 3D MODEL



JACKSON COUNTY

DRAWING INDEX	
NO.	DRAWING TITLE
C-000	INDEX TITLE SHEET
C-101	EXISTING CONDITIONS
C-102	SITE PREPARATION
C-103	SITE GRADING
C-104	SITE VERTICAL PROFILES
C-105	SITE 1 PLAN
C-106	LANDSCAPE AND UTILITY PLAN
C-107	SITE 2 PLAN
C-501	NORTH AREA
C-502	SOUTH AREA
C-503	WEST AREA
C-504	BATTING CAGE AREA
C-505	CENTRAL AREA
C-506	FIELD ENLARGEMENT
C-507	SITE DETAILS
C-508	SITE DETAILS
C-509	SITE DETAILS
C-510	SITE DETAILS
C-511	SITE DETAILS
S-501	STRUCTURAL DETAILS
S-502	STRUCTURAL DETAILS
S-503	CONCESSION DETIALS
S-504	CONCESSION FOUNDATION PLAN
S-505	CONCESSION ROOF FRAMING PLAN
A-101	CONCESSION LAYOUT
A-102	CONCESSION SECTION VIEW
A-103	CONCESSION ROOF PLAN

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
- ALL CONSTRUCTION SHALL CONFORM TO APPLICABLE LOCAL, STATE, AND PROJECT SPECIFICATIONS AND STANDARDS.
- CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS, UTILITIES, AND PROPERTY DURING CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH ADJACENT PROPERTY OWNERS AND AFFECTED AGENCIES AS REQUIRED.
- MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE PROJECT AREA.
- EXISTING CONDITIONS SHOWN ARE BASED ON AVAILABLE SURVEY INFORMATION AND MAY VARY IN THE FIELD.

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITES

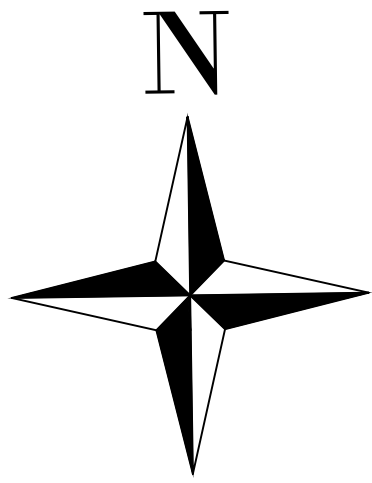
MAQUOKETA, IA 52060

SHEET NAME

INDEX TITLE
SHEET

SHEET NO.

T-001



NOTES:

1- NON-CONFORMING CONDITIONS ON-SITE ARE TO REMAIN. ALL CONSTRUCTION AND DIMENTIONAL REQUIREMENTS AS DESCRIBED IN THIS APPLICATION MEET THE REQUIREMENTS OF THE CITY OF MAQUOKETA DEVELOPMENT REGULATIONS ORDINANCE

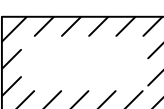
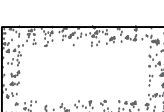
2- ALL MODIFICATIONS MADE TO THE SITE SINCE THE LAST APPROVED SITE MASTERPLAN AND ZONING COMPLIANCE ANALYSIS SHALL BE INCORPORATED INTO A SITE MASTERPLAN AT A FUTURE DATE.

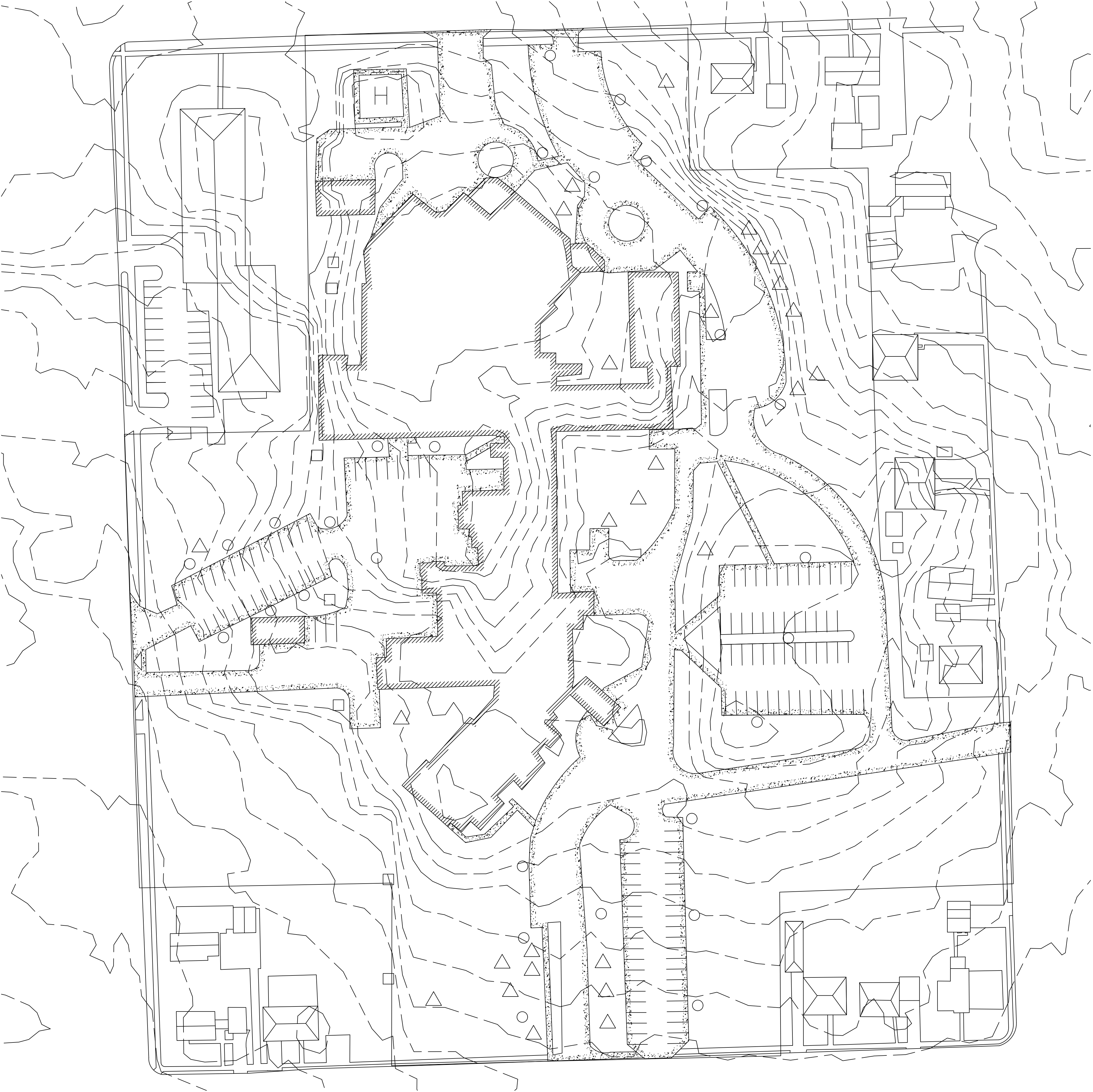
3- SEE ZONING COMPLIANCE ANALYSIS FOR DESCRIPTION OF HEIGHT AND USE OF OF ALL EXISTING BUILDINGS. NO CHANGE OF USE FOR ANY FACILITY ON THIS SITE IS PART OF THIS APPLICATION.

4- NAME AND ADDRESS OF ADJACENT PROPERTY OWNERS SHALL BE PROVIDED IN PROJECT NARRATIVE.

5- APPROVAL TO INSTALL TEMPORARY DIRECTIONAL CONSTRUCTION SIGNS IS REQUESTED. LOCATION AND SIZE OF SIGNS IS TO BE REVIEWED BY APPLICABLE COUNTY AND/OR CITY AGENCY

LEGEND

-  EXISTING DECIDUOUS TREE
-  EXISTING LIGHT POLE
-  EXISTING UTILITY POLE
-  EXISTING BUILDING
-  EXISTING PARKING



PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

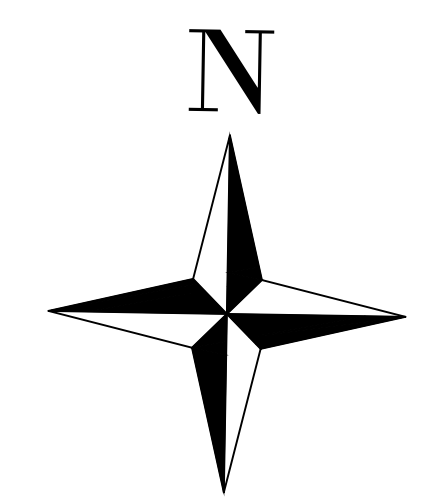
700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

EXISTING
CONDITIONS

SHEET NO.

C-101

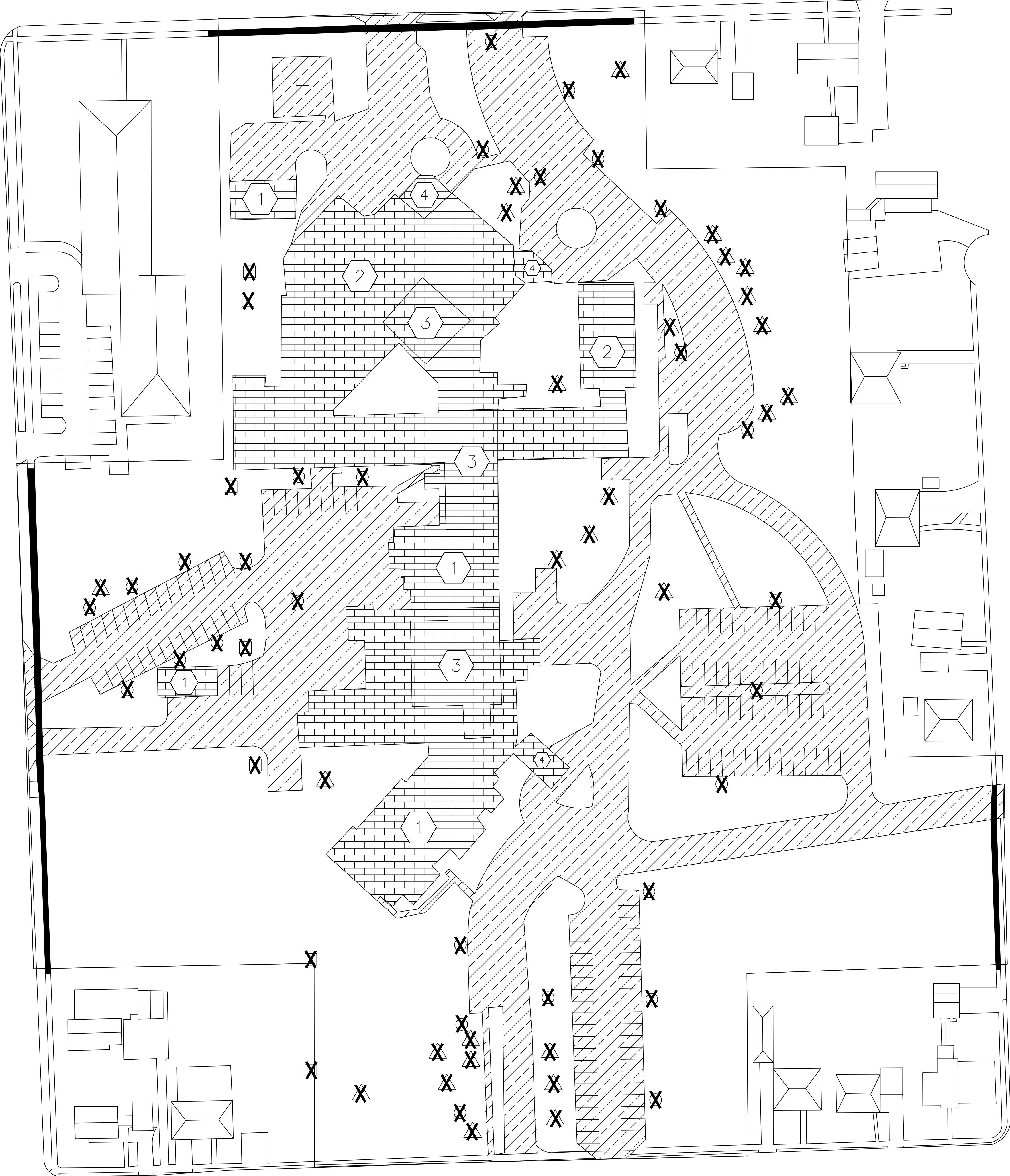


DEMOLITION NOTES:

- 1- ALL TREES TO REMAIN TO HAVE TREE PROTECTION FENCING AT THE DRIPLINE OF THE CANOPY. TREE PROTECTION TO REMAIN UNTIL COMPLETION OF CONSTRUCTION. A MINIMAL AMOUNT OF DISTURBANCE MUST BE MAINTAINED WHEN WORKING WITHIN TREE PROTECTION AREAS AND FENCING TO BE UP WHEN AREAS ARE NOT BEING WORKED ON. DO NOT REMOVE SOILS WITHIN DRIPLINE OF TREES TO REMAIN.
- 2- SAWCUT PAVEMENT TO BE REMOVED FROM ADJACENT REMAINING PAVEMENT.
- 3- ALL DEMOLITION DEBRIS SHALL BE DISPOSED OF OFFSITE BY CONTRACTOR PER APPROVED DISPOSAL METHODS.
- 4- SALVAGE ALL SIGNS, LIGHT STANDARDS, AND TREES, FOR REUSE AND STOCKPILE IN LOCATION BY CM.

LEGEND

SYMBOL	DESCRIPTION	QUANTITY	UNIT
	DECIDUOUS TREE TO BE REMOVED	27	EACH
	LIGHT POLE TO BE REMOVED	7	EACH
	UTILITY POLE TO BE REMOVED	28	EACH
	BUILDING TO BE REMOVED	67020	CY
	PAVEMENT TO BE REMOVED	162393	SF
	SIDEWALK TO BE REMOVED	4269	SF
	ONE STORY	40256	CY
	TWO STORY	19373	CY
	THREE STORY	6228	CY
	OVERHANG	1163	CY



PROJECT: CEE: 4850

DATE : 04/10/2026

DRAWN BY: GRNL ENGINEERING

REVISION:

THE UNIVERSITY OF IOWA

CIVIL AND ENVIRONMENTAL ENGINEERING

4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

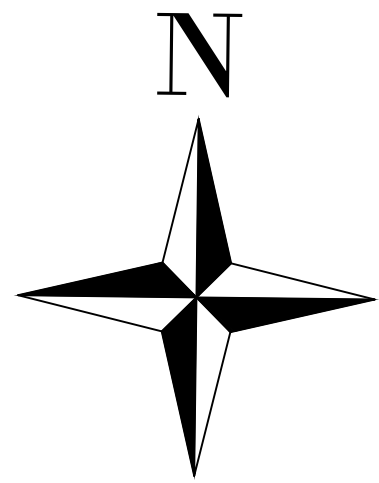
700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

SITE
PREPARATION

SHEET NO.

C-102



GRADING NOTES:

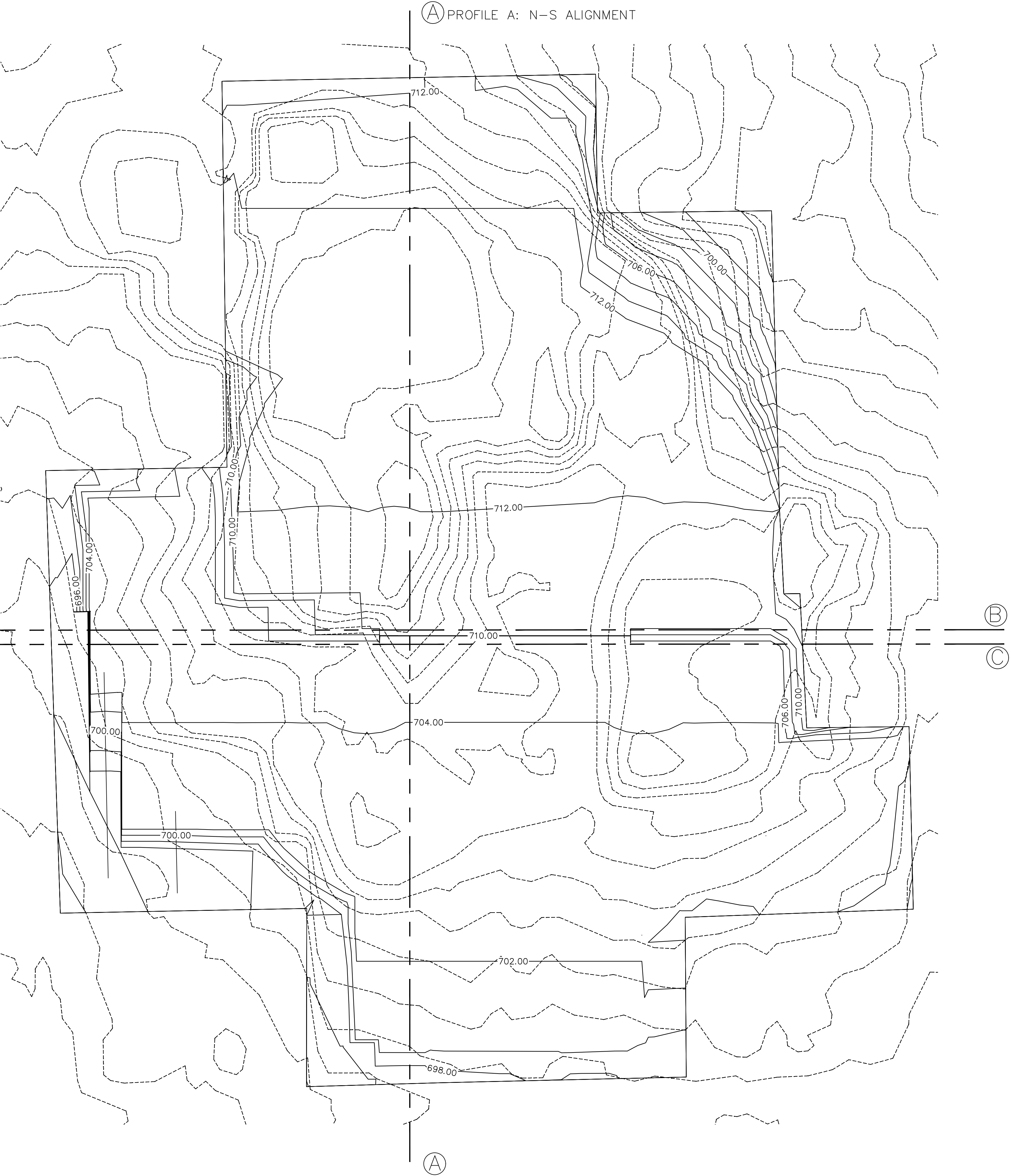
1- SURVEY COORDINATES ARE NAD83 IOWA STATE PLANES, NORTH ZONE, US FOOT

LEGEND

- 712
- 712
- EXISTING CONTOUR
- PROPOSED CONTOUR

PROFILE B: E-W ALIGNMENT (NORTH OF TERRACE) (B)

PROFILE C: E-W ALIGNMENT (SOUTH OF TERRACE) (C)



PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

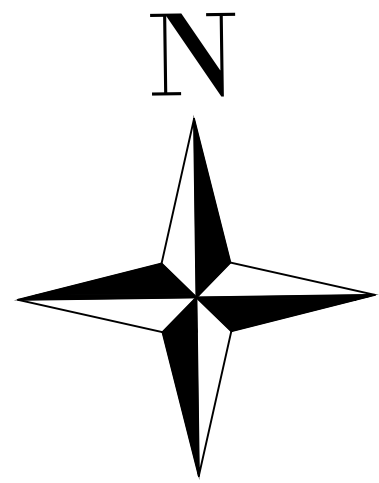
700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

SITE GRADING

SHEET NO.

C-103



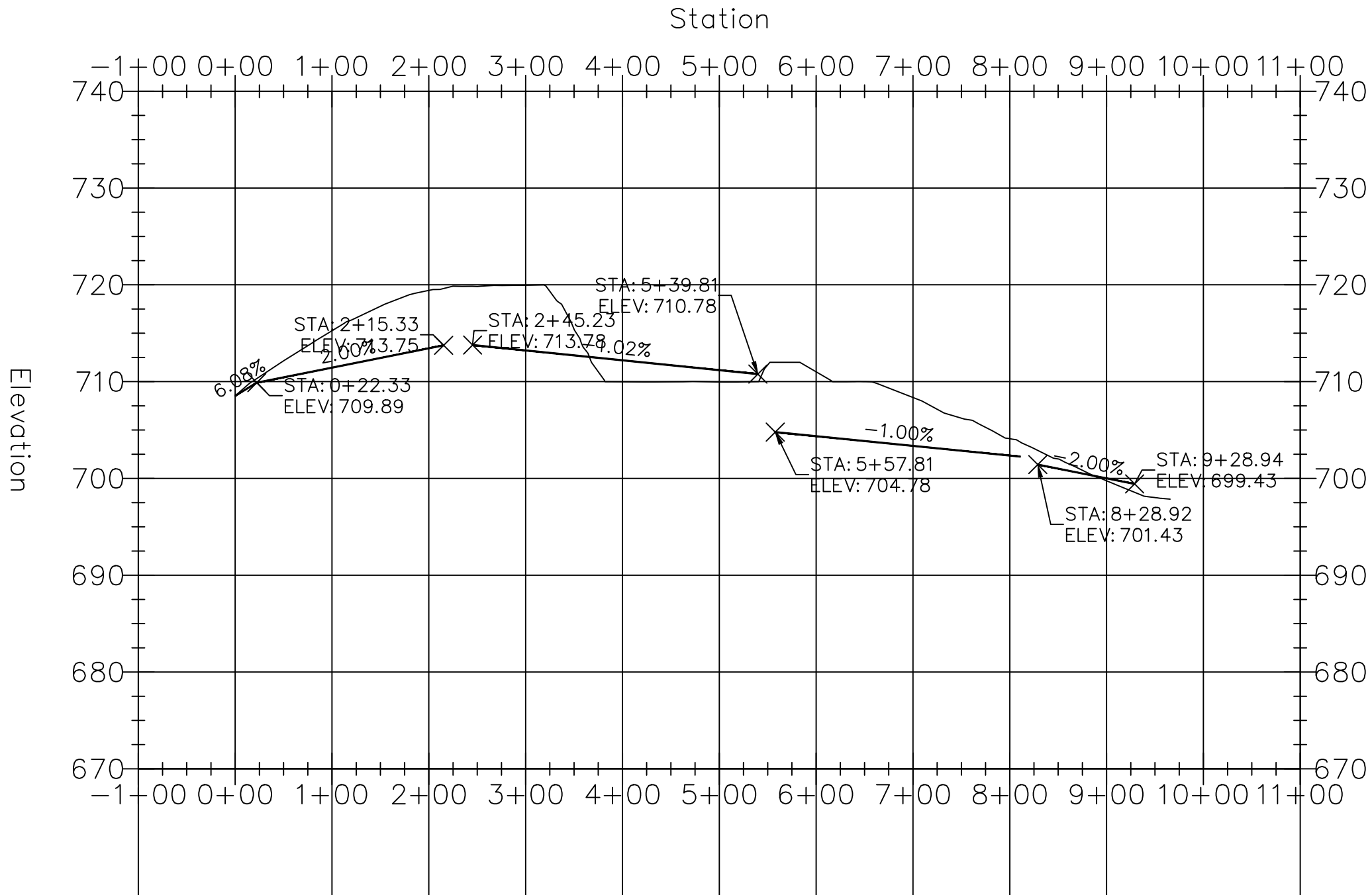
GRADING NOTES:

1- SURVEY COORDINATES ARE NAD83 IOWA STATE PLANES, NORTH ZONE, US FOOT

LEGEND

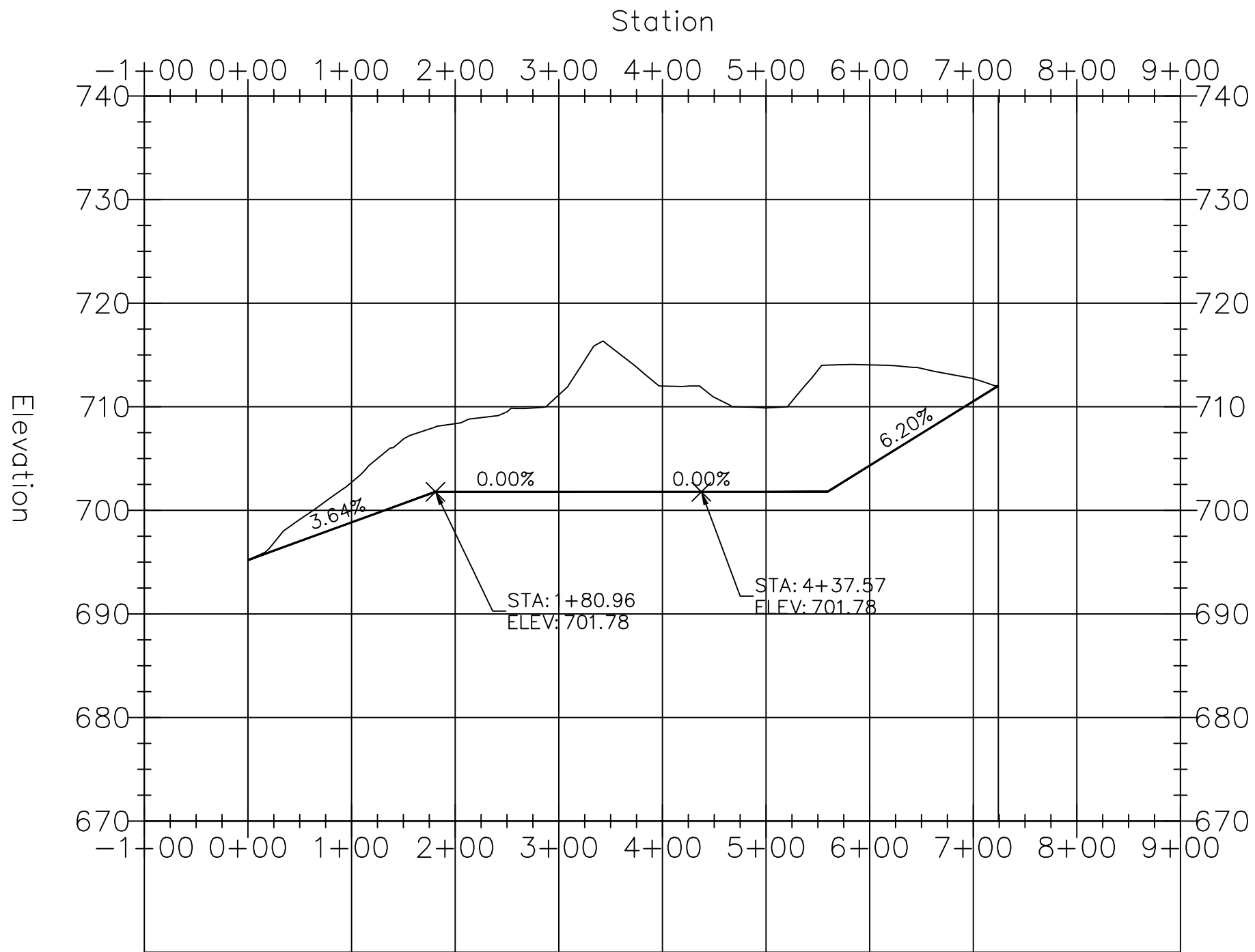
- EXISTING PROFILE
- PROPOSED PROFILE

N-S Alignment PROFILE



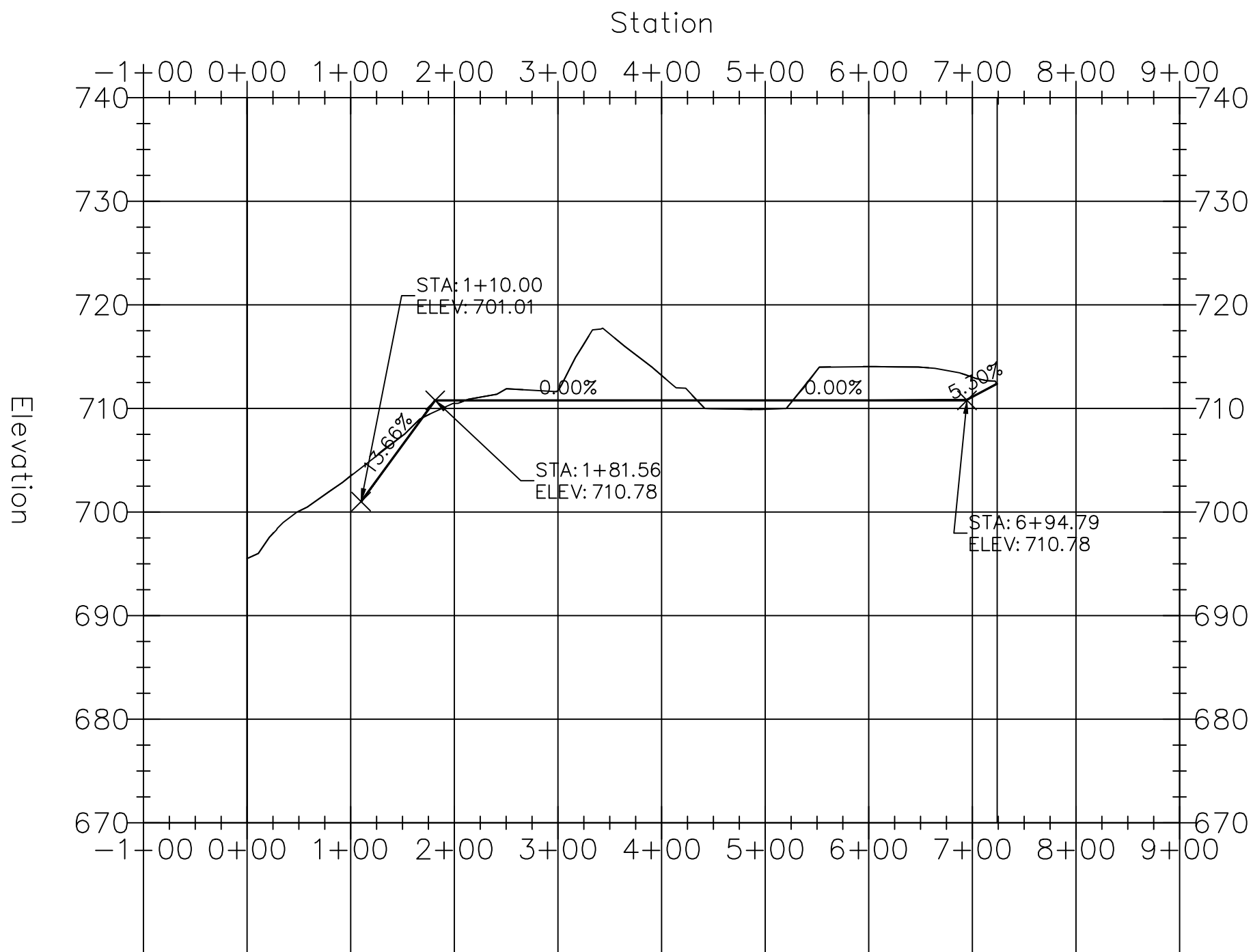
PROFILE A: N-S ALIGNMENT

E-W Fields 3+4 Elevation PROFILE



PROFILE B: E-W ALIGNMENT (NORTH OF TERRACE)

E-W START Retaining Wall PROFILE



PROFILE C: E-W ALIGNMENT (SOUTH OF TERRACE)

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA

CIVIL AND ENVIRONMENTAL ENGINEERING

4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

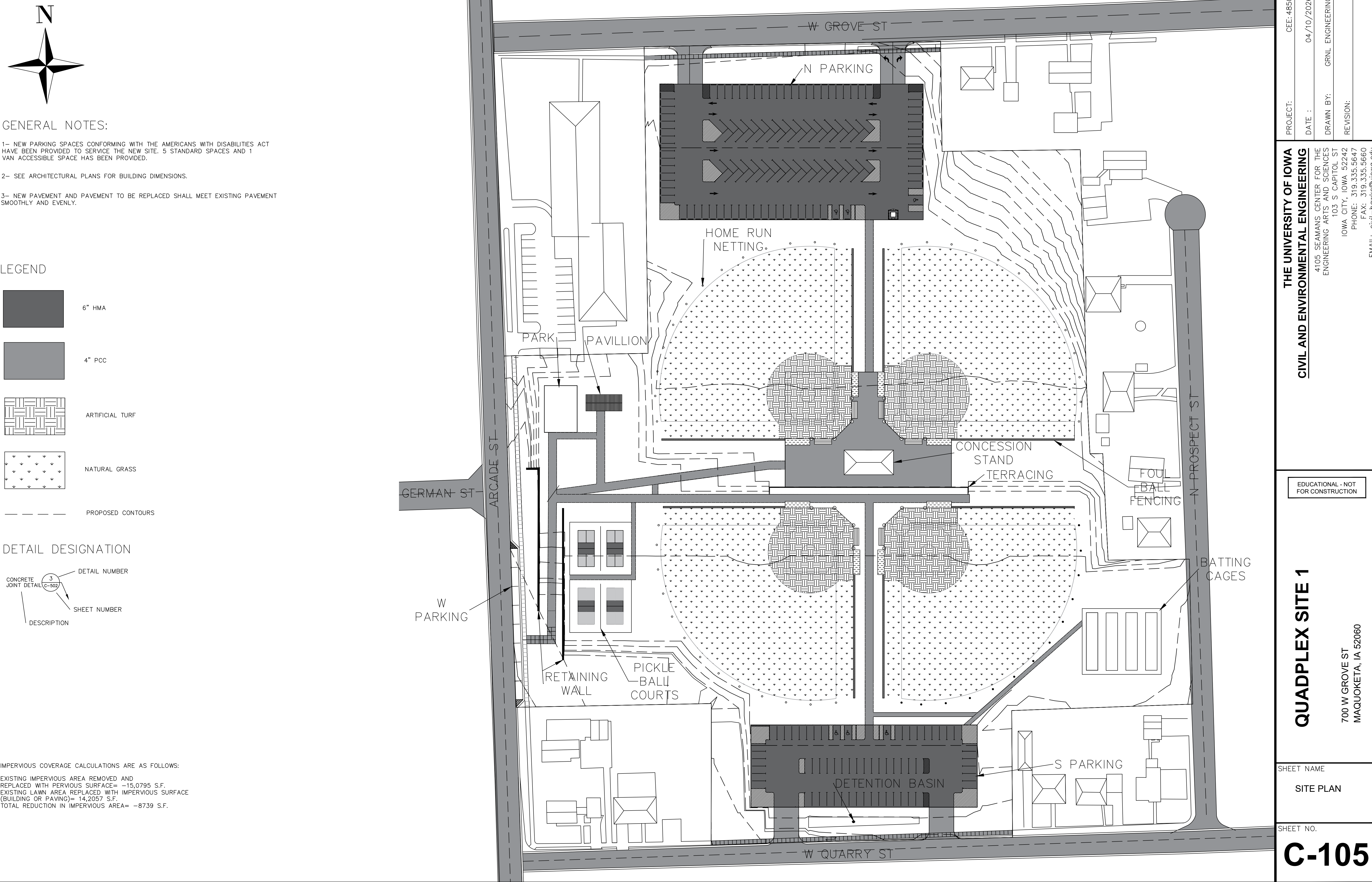
700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

SITE VERTICAL
PROFILES

SHEET NO.

C-104



- GENERAL NOTES:
- 1- NEW PARKING SPACES CONFORMING WITH THE AMERICANS WITH DISABILITIES ACT HAVE BEEN PROVIDED TO SERVICE THE NEW SITE. 5 STANDARD SPACES AND 1 VAN ACCESSIBLE SPACE HAS BEEN PROVIDED.
 - 2- SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
 - 3- NEW PAVEMENT AND PAVEMENT TO BE REPLACED SHALL MEET EXISTING PAVEMENT SMOOTHLY AND EVENLY.

LEGEND

6" HMA

4" PCC

ARTIFICIAL TURF

NATURAL GRASS

PROPOSED CONTOURS

DETAIL DESIGNATION

CONCRETE JOINT DETAIL

3

DETAIL NUMBER

SHEET NUMBER

DESCRIPTION

IMPERVIOUS COVERAGE CALCULATIONS ARE AS FOLLOWS:
EXISTING IMPERVIOUS AREA REMOVED AND REPLACED WITH PERVIOUS SURFACE= -15,0795 S.F.
EXISTING LAWN AREA REPLACED WITH IMPERVIOUS SURFACE (BUILDING OR PAVING)= 14,2057 S.F.
TOTAL REDUCTION IN IMPERVIOUS AREA= -8739 S.F.

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA

CIVIL AND ENVIRONMENTAL ENGINEERING

4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT FOR CONSTRUCTION

QUADPLEX SITE 1

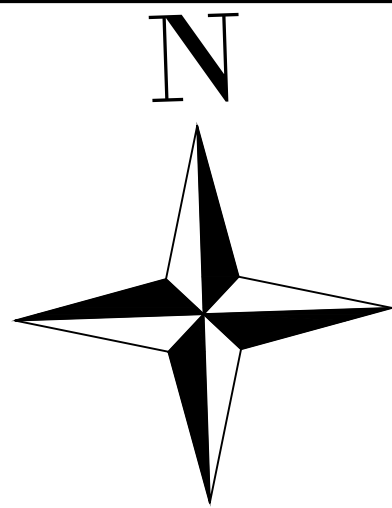
700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

SITE PLAN

SHEET NO.

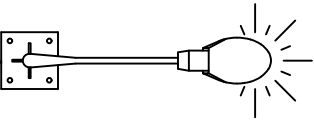
C-105

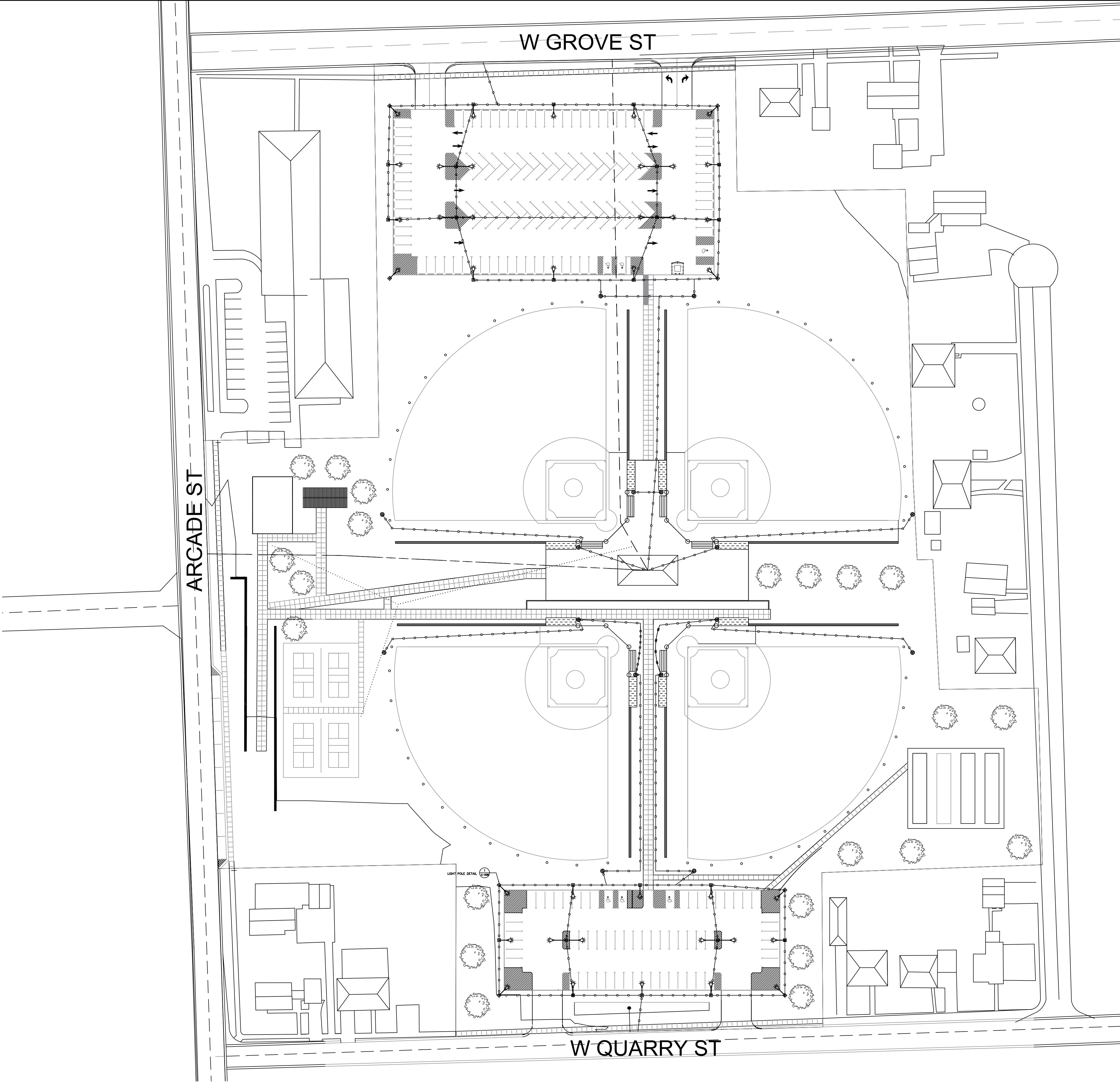


UTILITY NOTES:

1- COMPOSITE DRAWING TO BE USED FOR REFERENCE ONLY. FOR DESIGN OF UTILITIES, SEE ELECTRICAL, PLUMBING, AND STORM DRAINAGE PLANS.

LEGEND

- LIGHT POLE
- STADIUM LIGHTS
- DECIDUOUS TREE TO BE PLANTED
- 4" WATER MAIN
- UTILITY LINE
- 12" SANITARY SEWER
- DOMESTIC WATER



PROJECT: CEE: 4850	DATE :	03/25/2026
	DRAWN BY:	GRNL ENGINEERING
	REVISION:	
	EMAIL: civil-hawks@iowa.edu	

THE UNIVERSITY OF IOWA CIVIL AND ENVIRONMENTAL ENGINEERING	4105 SEAMANS CENTER FOR THE ENGINEERING ARTS AND SCIENCES 103 S CAPITOL ST IOWA CITY, IOWA 52242 PHONE: 319.335.5647 FAX: 319.335.5660
	EDUCATIONAL - NOT FOR CONSTRUCTION
	QUADPLEX SITE 1
	700 W GROVE ST MAQUOKETA, IA 52060

SHEET NAME
LANDSCAPE AND UTILITY PLAN

SHEET NO.
C-106

N

GENERAL NOTES:

1— NEW PARKING SPACES CONFORMING WITH THE AMERICANS WITH DISABILITIES ACT HAVE BEEN PROVIDED TO SERVICE THE NEW SITE. 5 STANDARD SPACES AND 1 VAN ACCESSIBLE SPACE HAS BEEN PROVIDED.

2— SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.

3— NEW PAVEMENT AND PAVEMENT TO BE REPLACED SHALL MEET EXISTING PAVEMENT SMOOTHLY AND EVENLY.

LEGEND

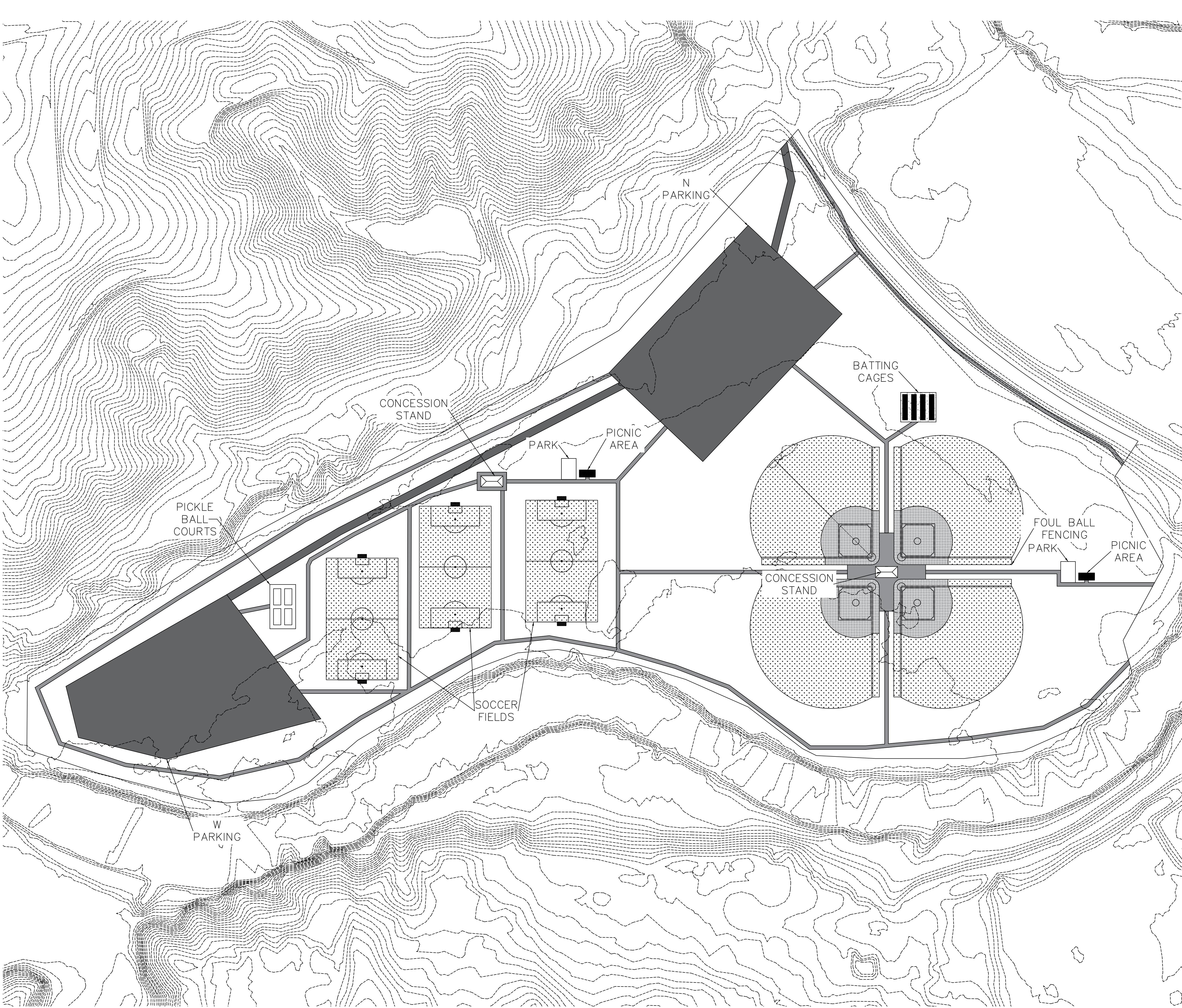
6" HMA

4" PCC

ARTIFICIAL TURF

NATURAL GRASS

EXISTING CONTOURS



PROJECT: CEE-4850

DATE : 04/07/2026

DRAWN BY: GRNL ENGINEERING

REVISION:

THE UNIVERSITY OF IOWA

CIVIL AND ENVIRONMENTAL ENGINEERING

4105 SEAMANS CENTER FOR THE ENGINEERING ARTS AND SCIENCES

103 S CAPITOL ST

IOWA CITY, IOWA 52242

PHONE: 319.335.5647

FAX: 319.335.5660

EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT FOR CONSTRUCTION

QUADPLEX SITE 2

5370 HURSTVILLE ROAD

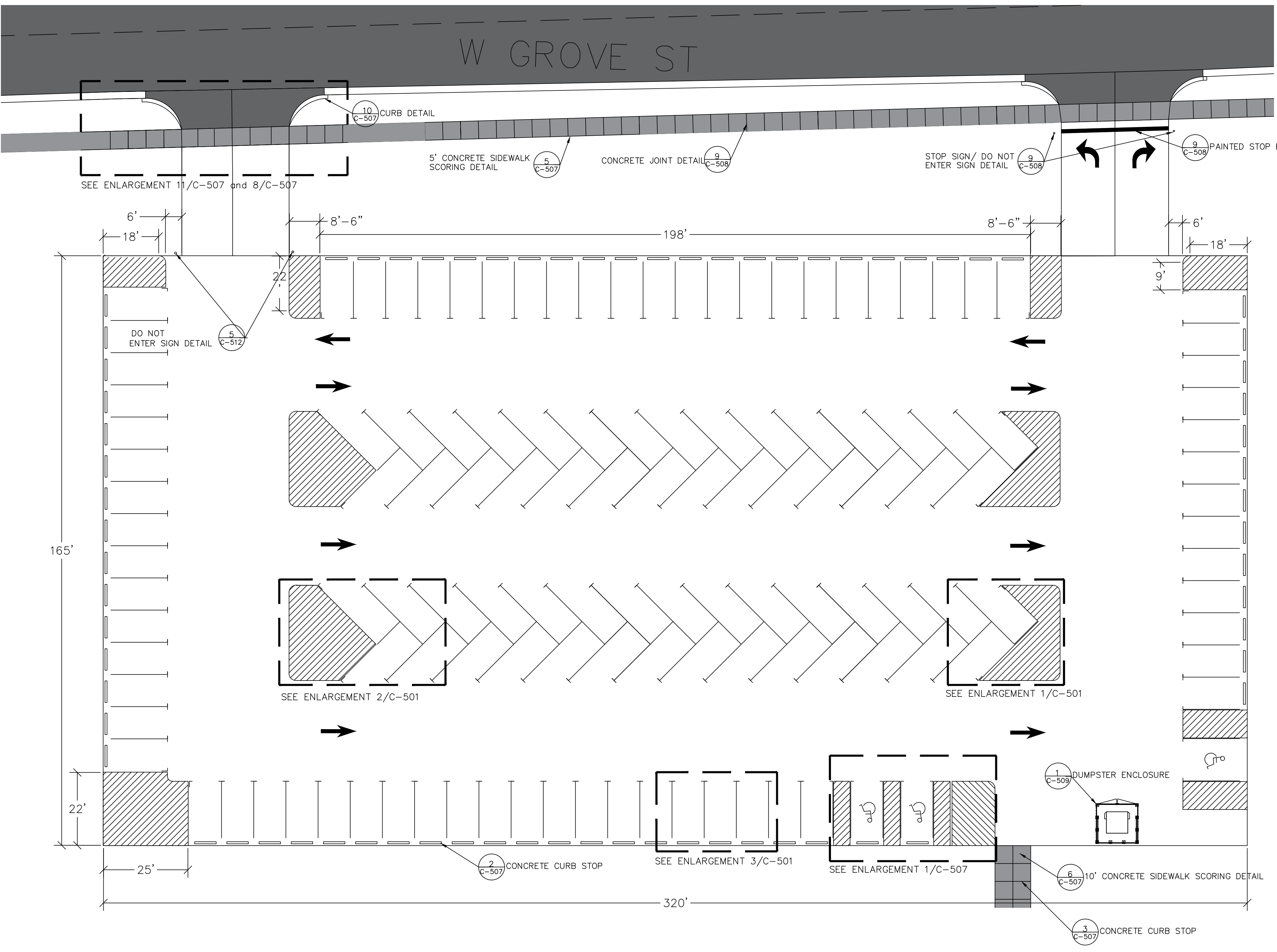
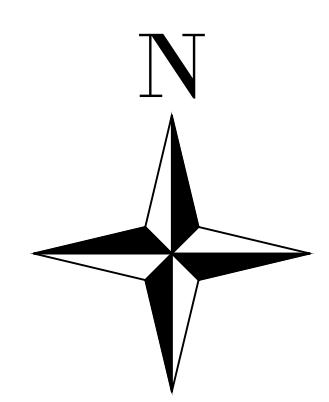
MAQUOKETA, IA 52060

SHEET NAME

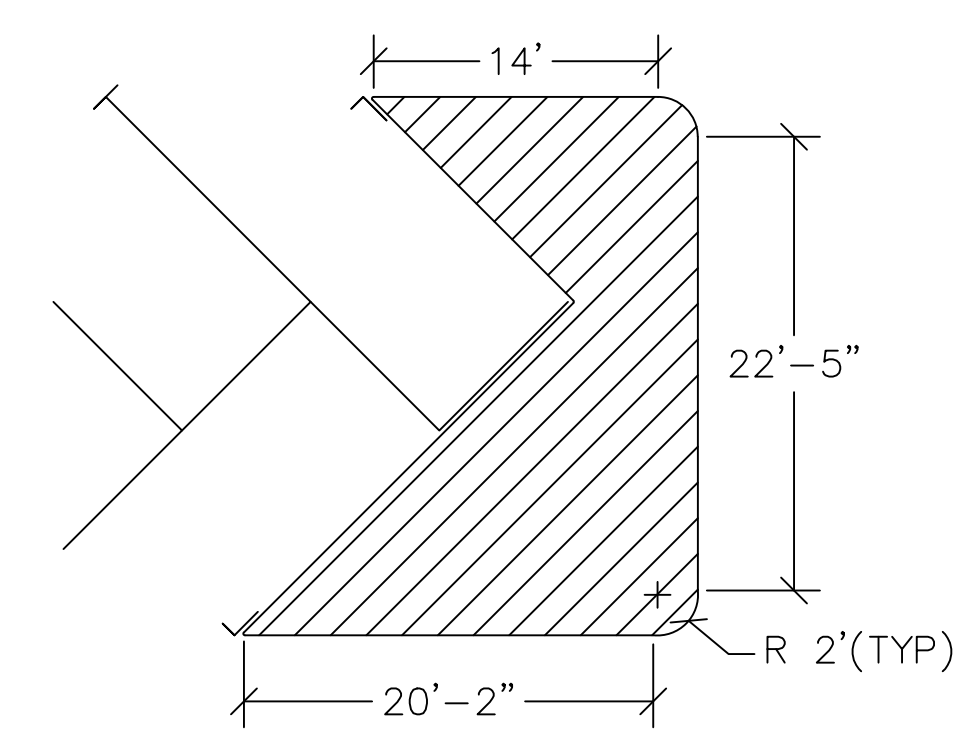
SITE PLAN

SHEET NO.

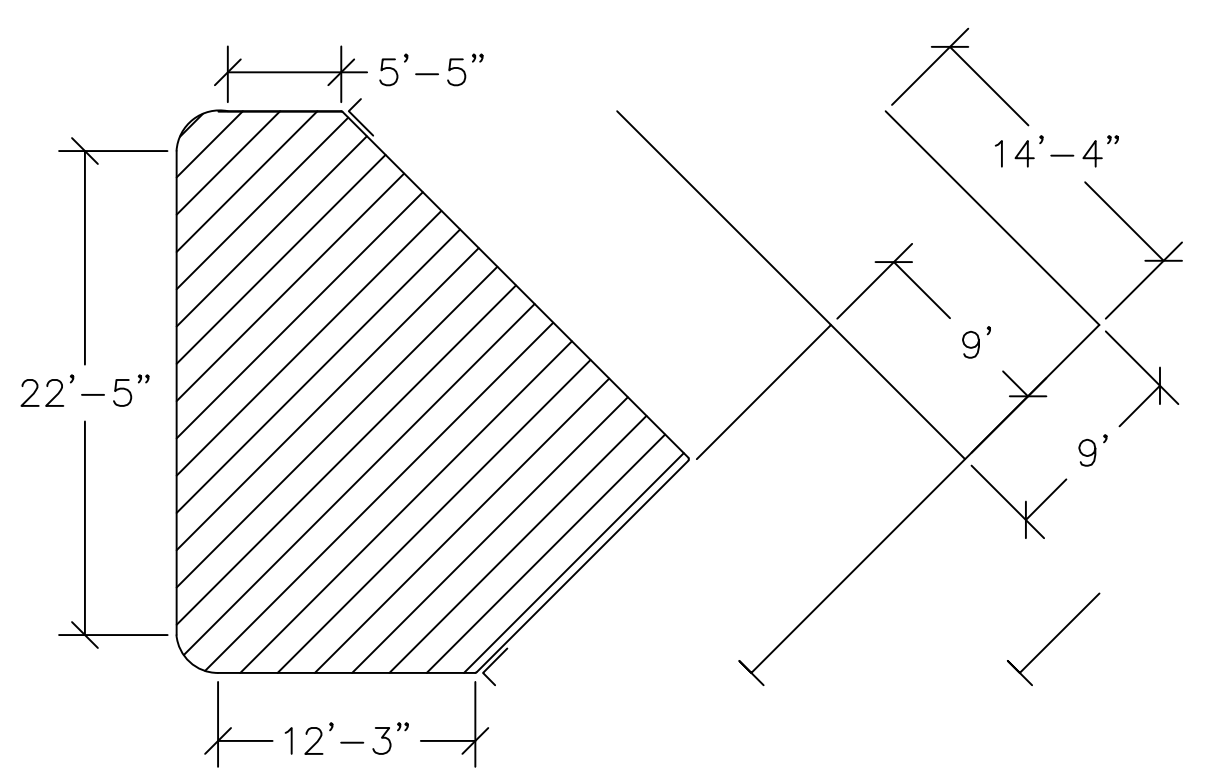
C-107



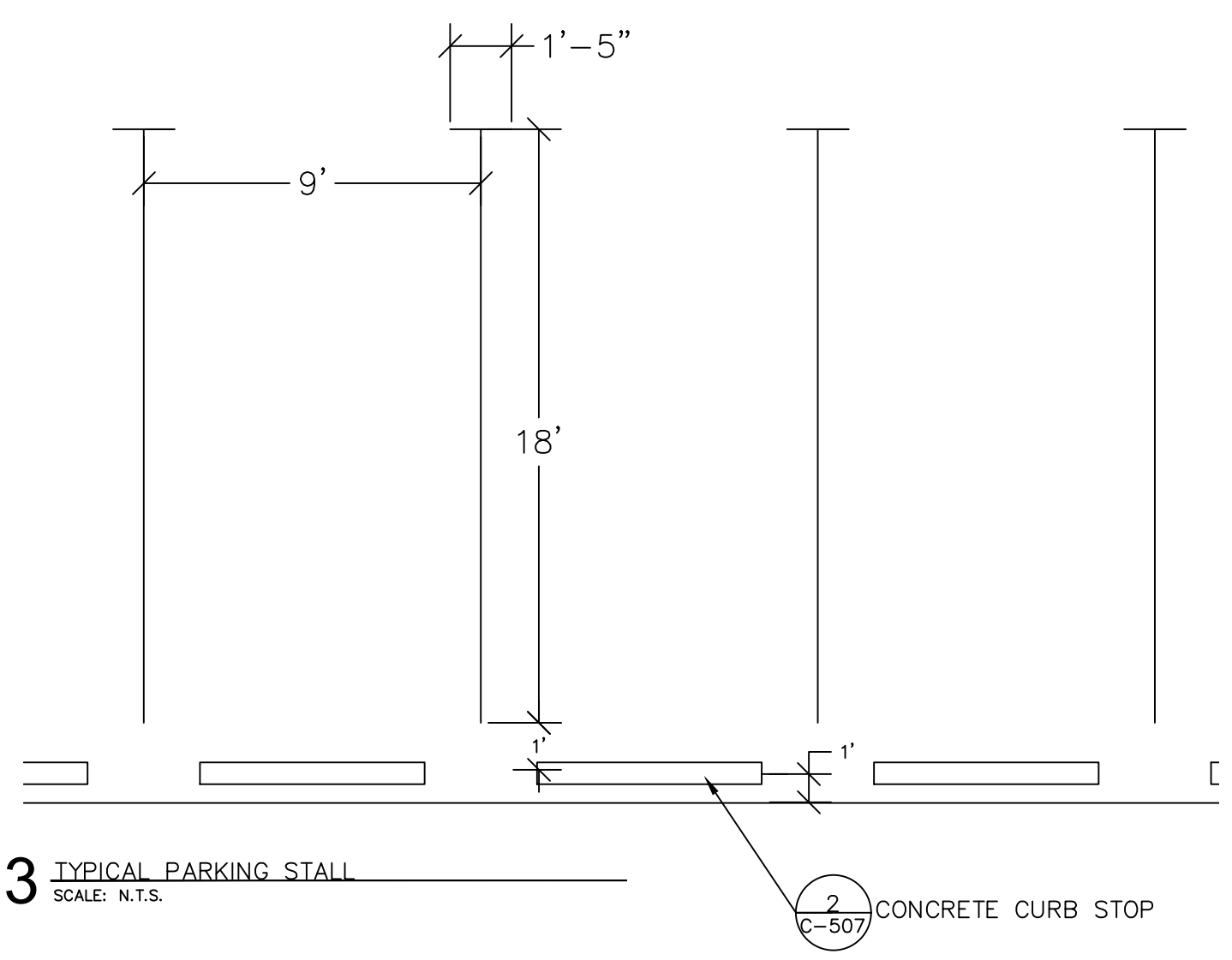
NOTE: SEE C-106 FOR LIGHTING DETAILS



1 NORTH PARKING EAST CENTER PARKING ISLAND
SCALE: N.T.S.



2 NORTH PARKING WEST CENTER PARKING ISLAND
SCALE: N.T.S.



3 TYPICAL PARKING STALL
SCALE: N.T.S.

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

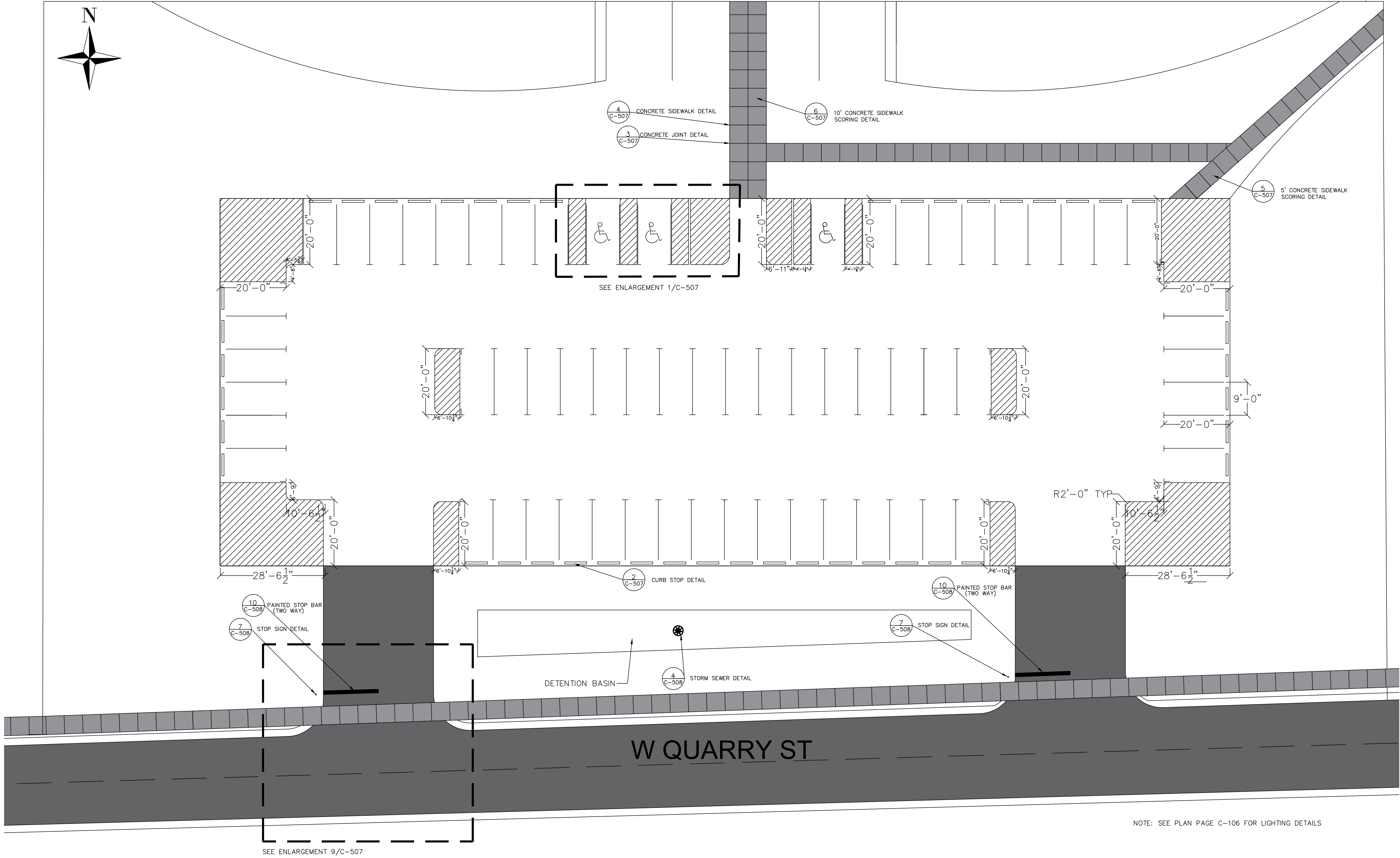
THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME
NORTH AREA
SHEET NO.
C-401



PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

700 W GROVE ST
MAQUOKETA, IA 52060

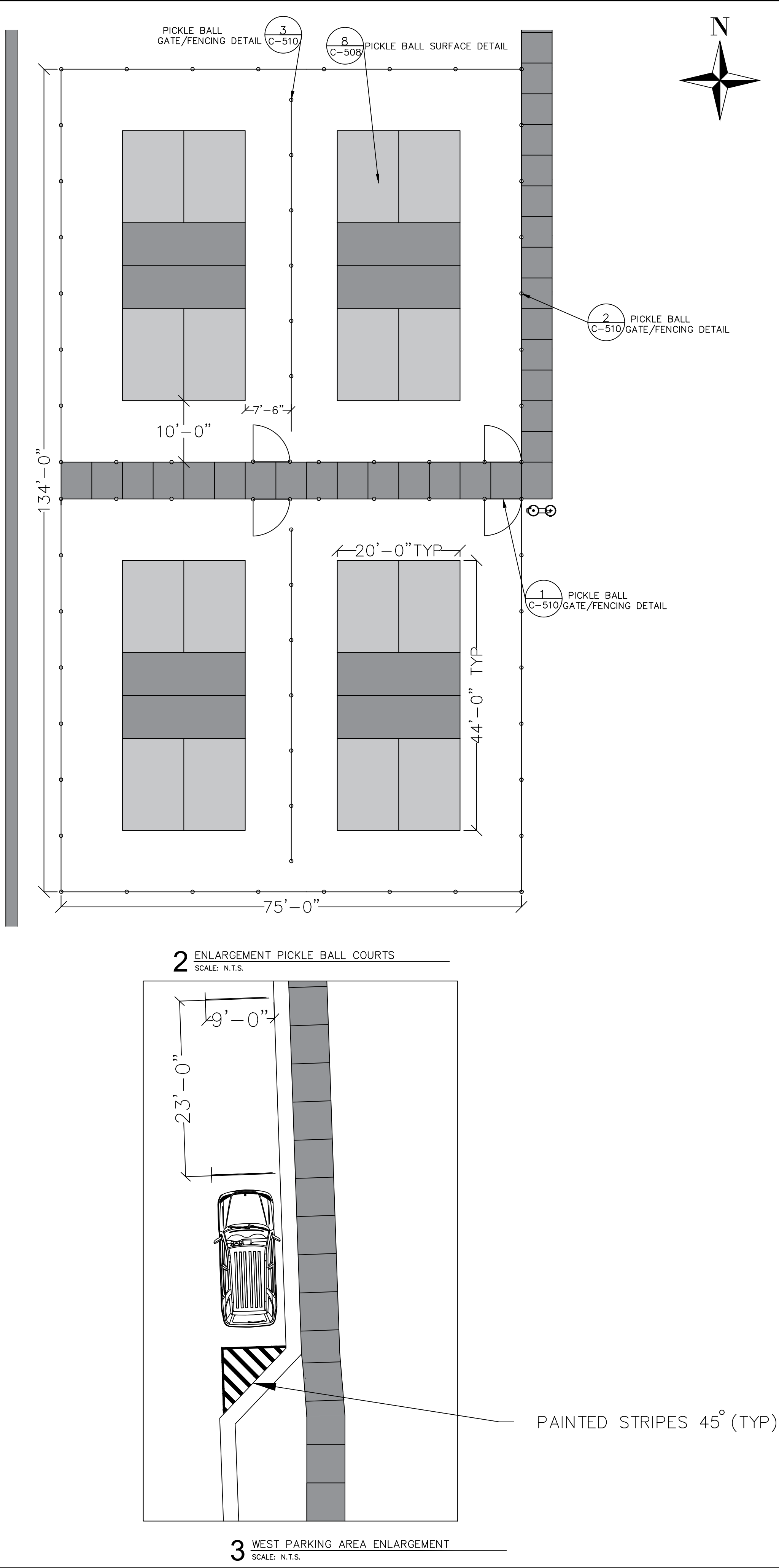
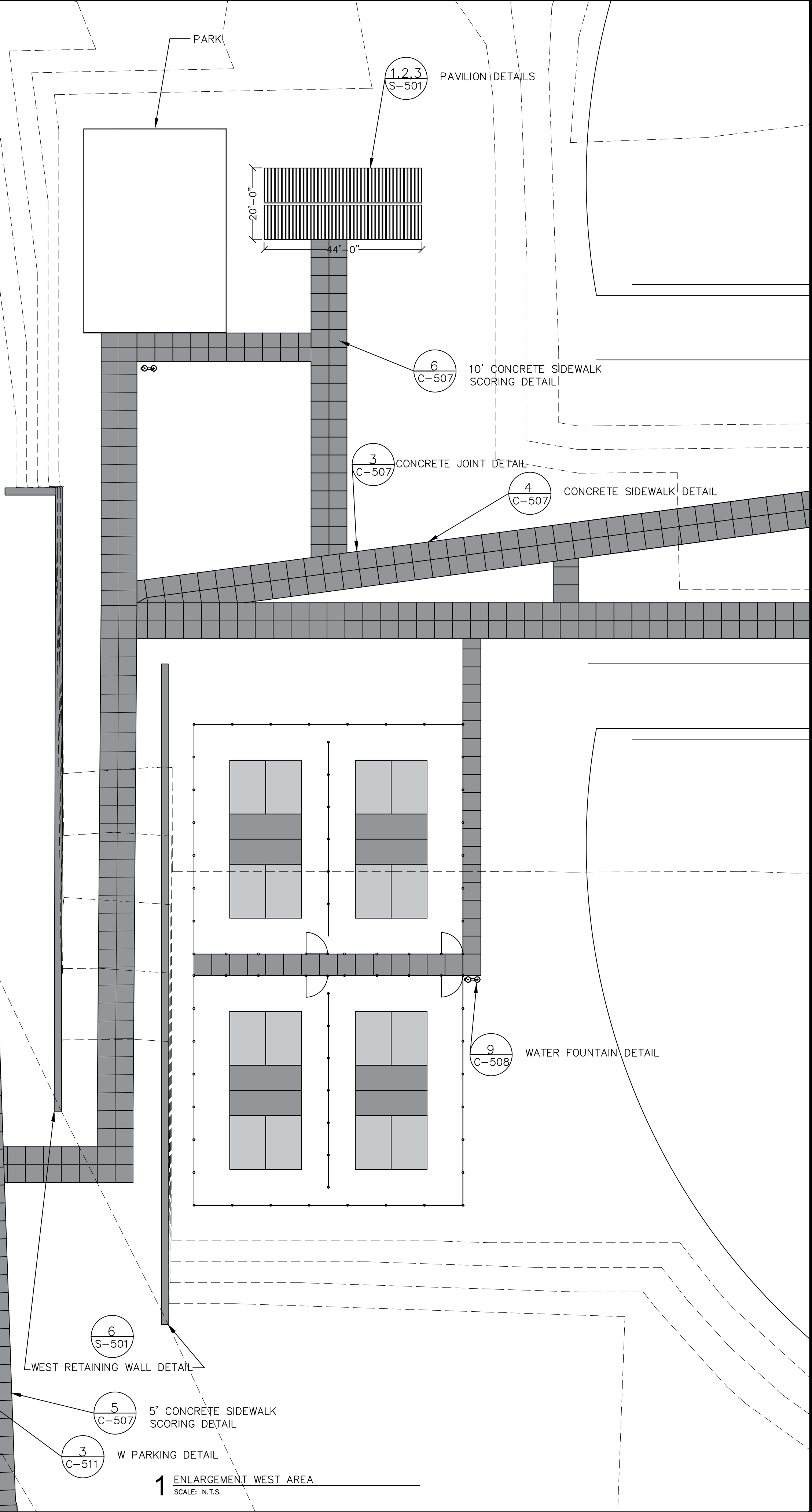
SHEET NAME

SOUTH AREA

SHEET NO.

C-402

ARCADE ST



PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING

4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

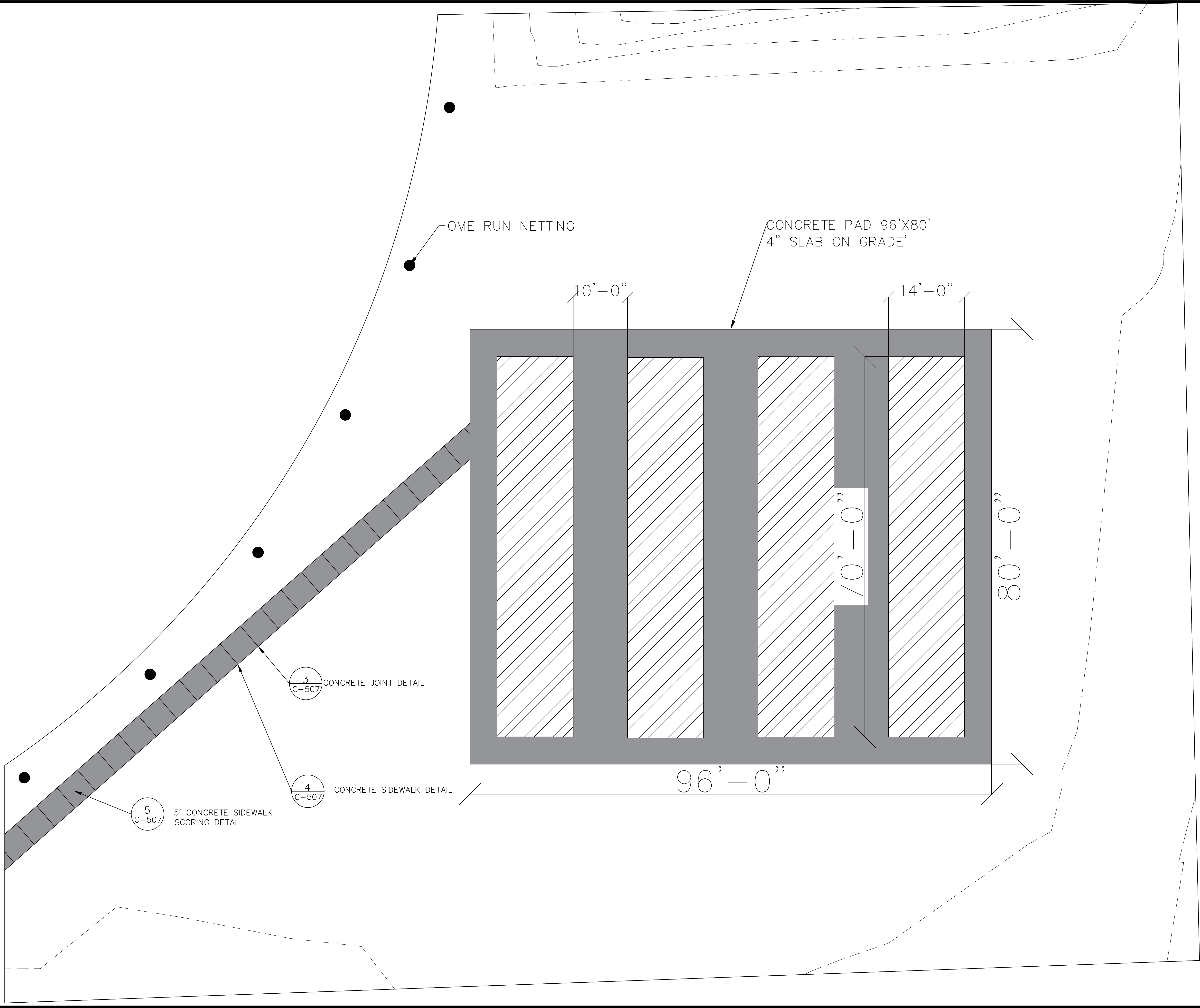
EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME
WEST AREA

SHEET NO.
C-403



PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

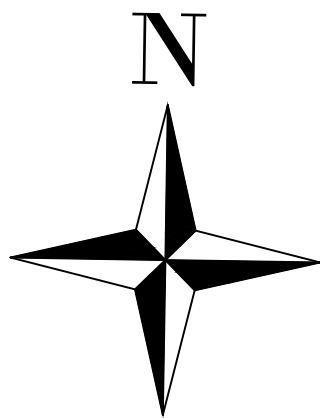
700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

BATTING
CAGE AREA

SHEET NO.

C-404



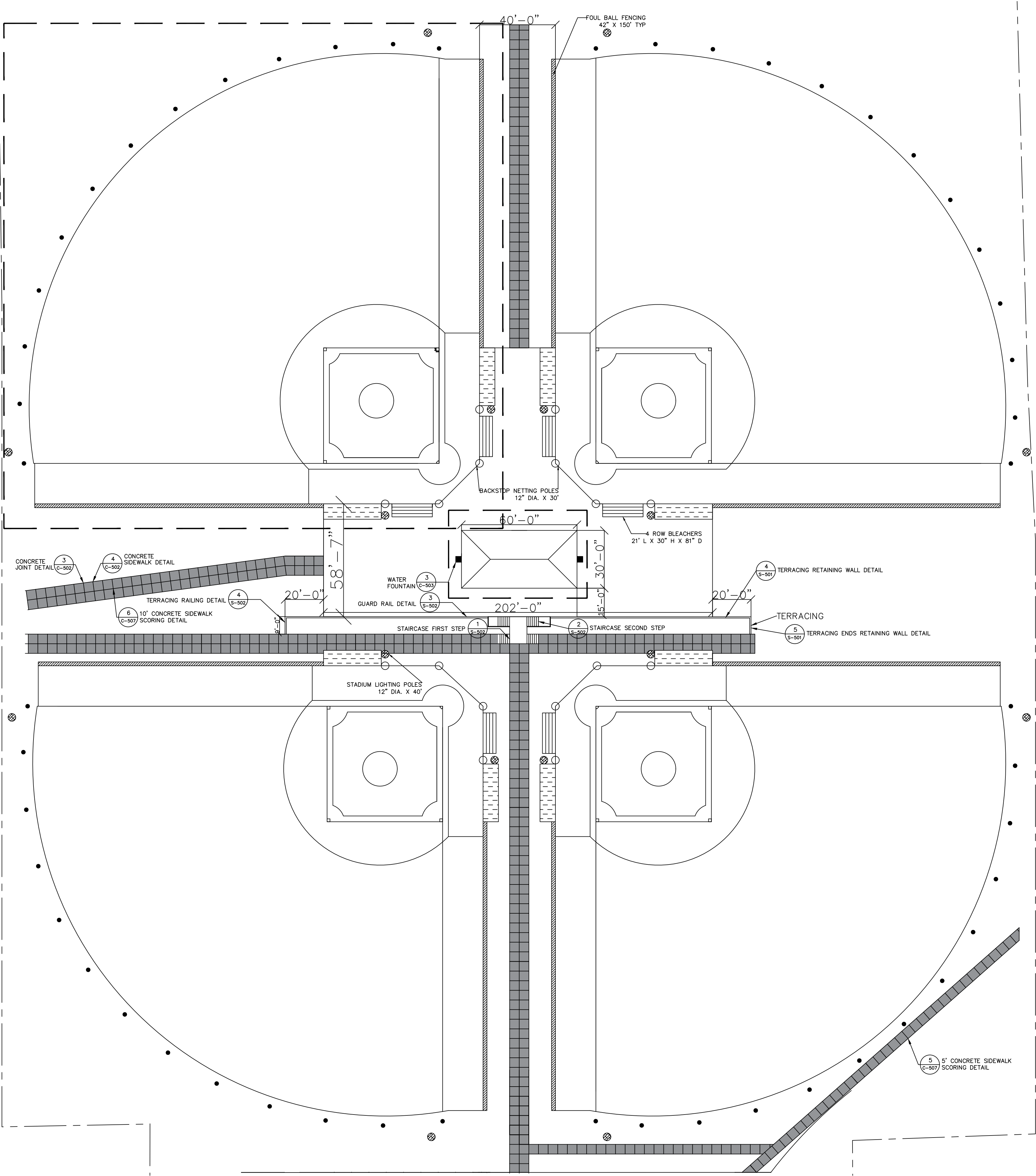
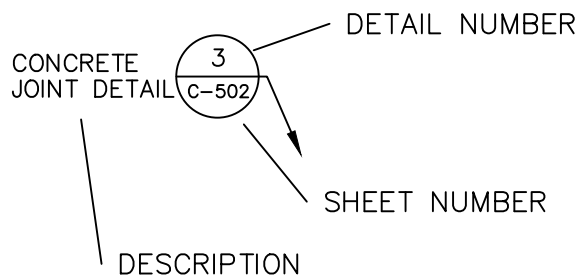
NOTES:

- 1- REFER TO SHEET C-507 FOR ENLARGED FIELD DIMENSION INFORMATION
- 2- REFER TO STRUCTURAL AND ARCHITECTURAL SHEETS FOR ENLARGED CONCESSION STAND INFORMATION

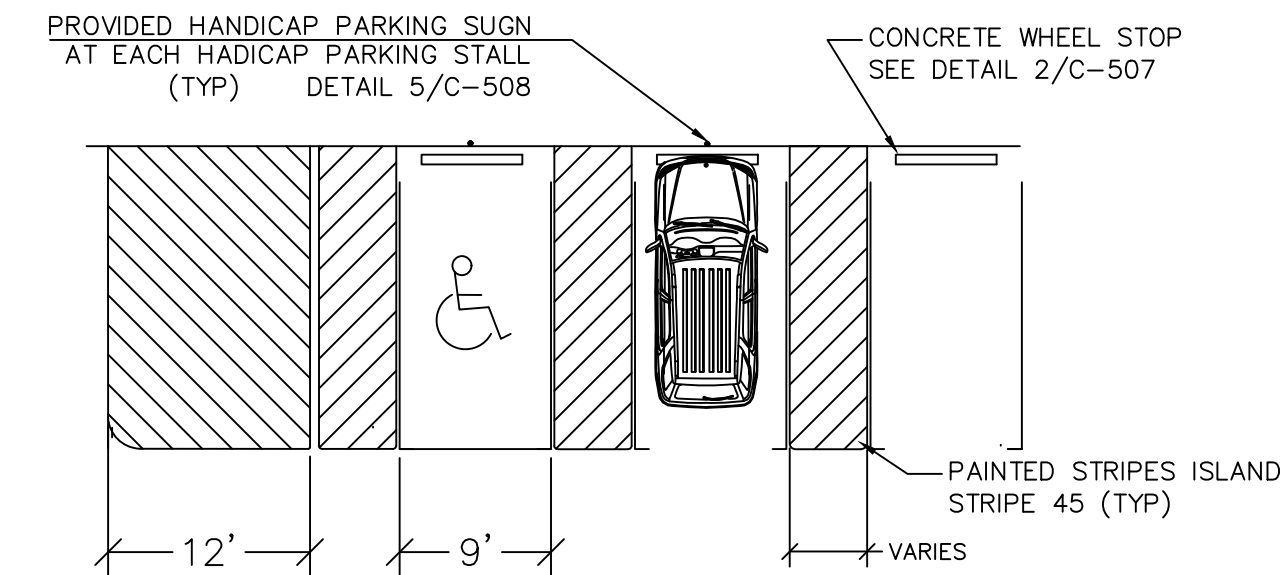
LEGEND

- ENLARGEMENT AREA
- PROPERTY LINE

DETAIL DESIGNATION

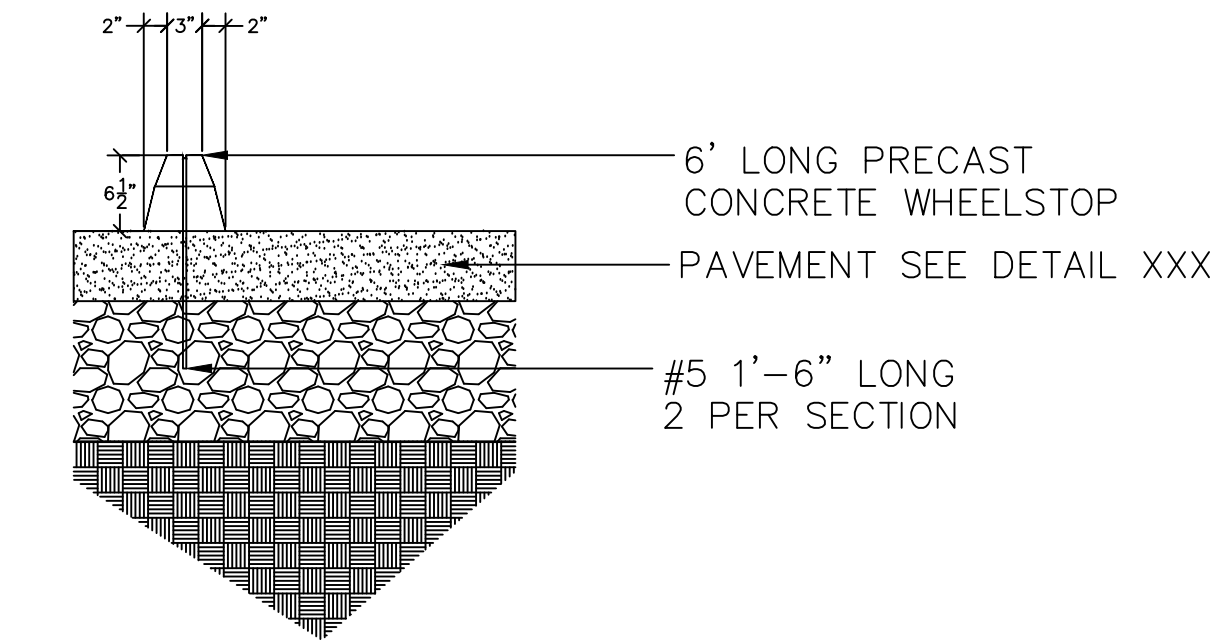


PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	
THE UNIVERSITY OF IOWA	
CIVIL AND ENVIRONMENTAL ENGINEERING	
4105 SEAMANS CENTER FOR THE ENGINEERING ARTS AND SCIENCES 103 S CAPITOL ST IOWA CITY, IOWA 52242 PHONE: 319.335.5647 FAX: 319.335.5660 EMAIL: civil-hawks@iowa.edu	
EDUCATIONAL - NOT FOR CONSTRUCTION	
QUADPLEX SITE 1	
700 W GROVE ST MAQUOKETA, IA 52060	
SHEET NAME	CENTRAL AREA
SHEET NO.	C-405

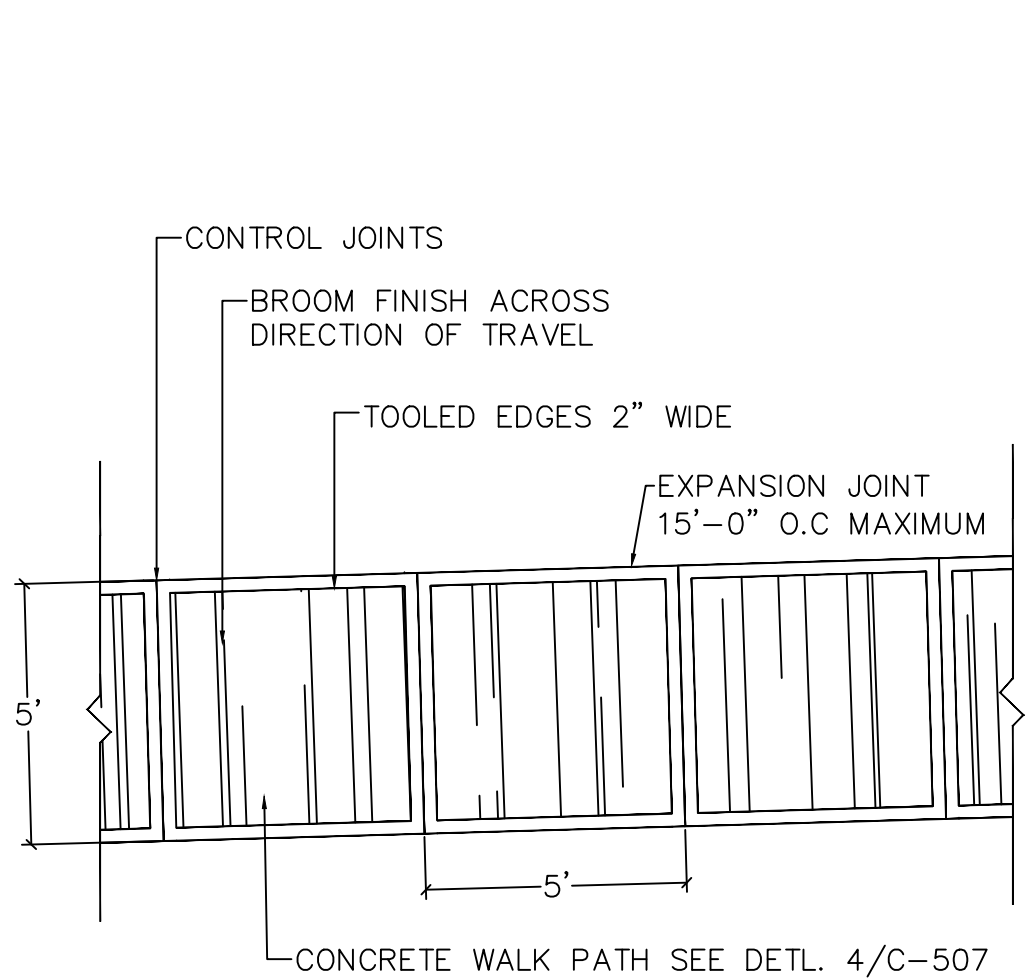


NOTE: 1. ALL LINES ARE TO BE PAINTED WHITE OR LIGHT BLUE AND SHALL BE NO WIDER THAN 4". WHEELCHAIR IMAGE SHALL BE LOCATED AS SHOWN.
2. BEGIN STANDARD PARKING STALL LAYOUT AFTER LAYOUT OF HANDICAP PARKING STALLS.
3. VAN ACCESSIBLE SPACE TO HAVE A 96" WIDE PAINTED ISLAND STANDARD ACCESSIBLE SPACES THE HAVE A 5' WIDE PAINTED ISLAND.
4. EACH ACCESSIBLE PARKING SPACE SHALL BE PAINTED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN THE AMERICANS WITH DISABILITIES ACT.

1 ACCESSIBLE PARKING STALLS
SCALE: N.T.S.

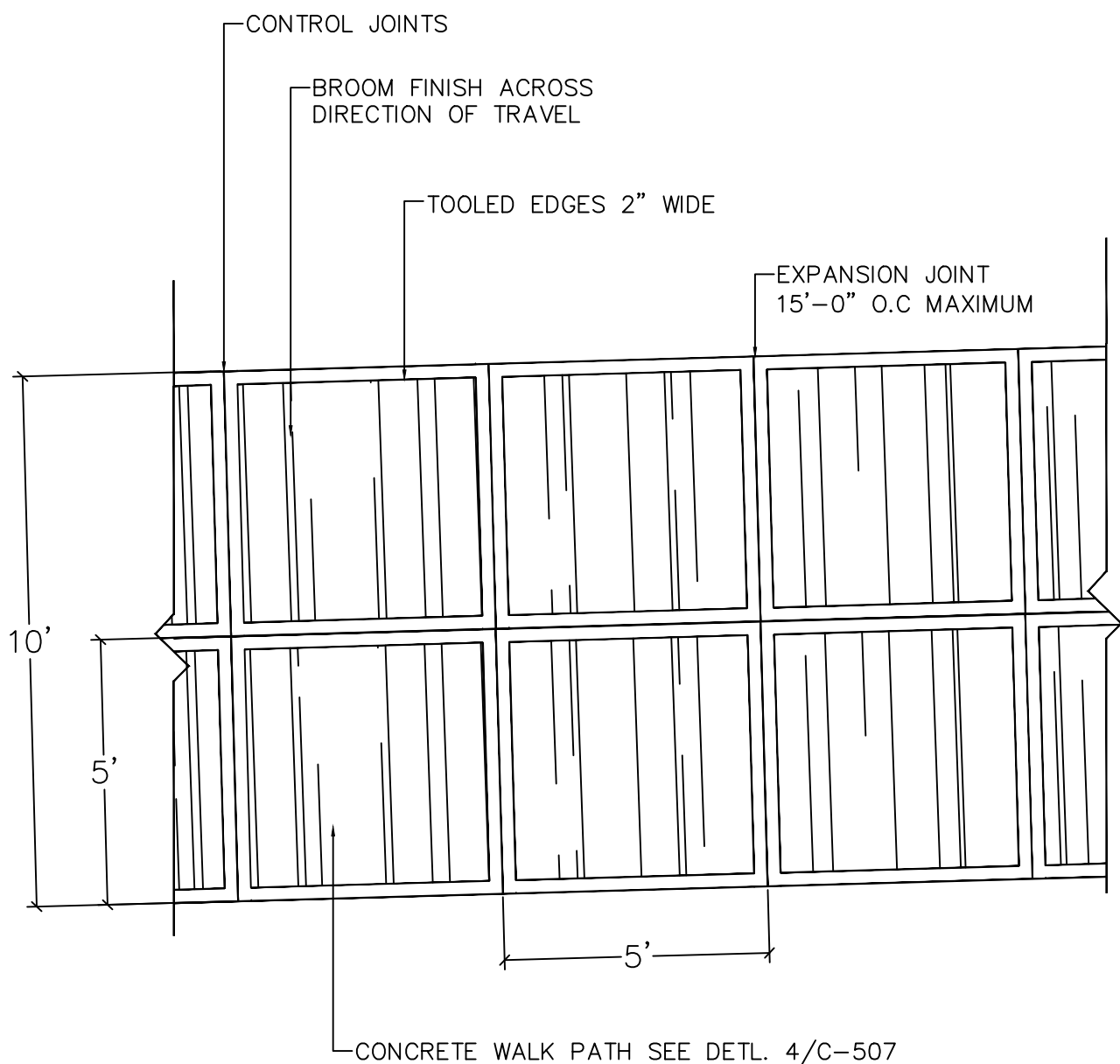


2 CURB STOP DETAIL
SCALE: N.T.S.

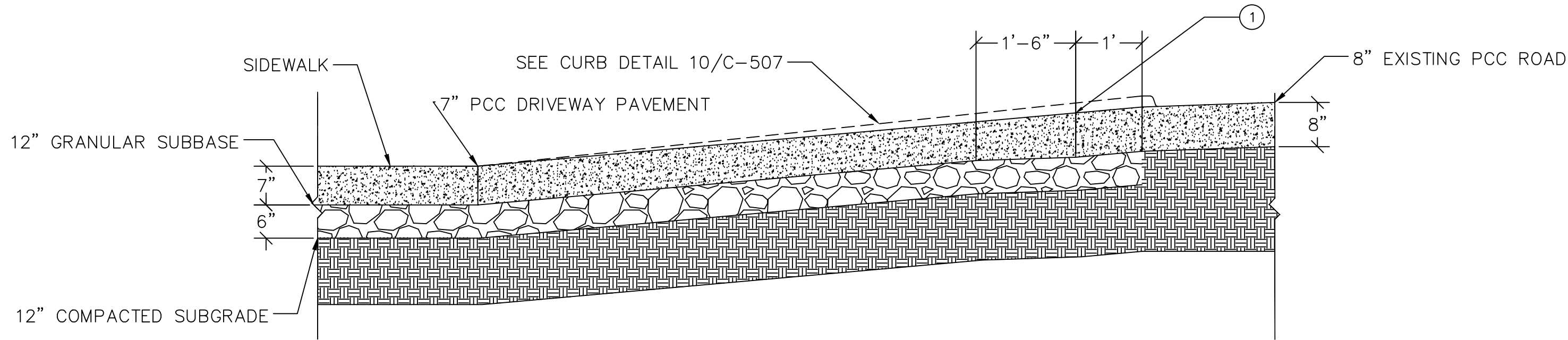


NOTES
CONTROL JOINT INTERVAL TO MATCH WIDTH OF WALKWAY OR AS SHOWN ON PLAN.
ALL SIDEWALK TO BE SPRAYED WITH WHITE PIGMENTED CURING COMPOUND AFTER BROOM FINISHING.

5 5' CONCRETE SIDEWALK SCORING DETAIL
SCALE: N.T.S.

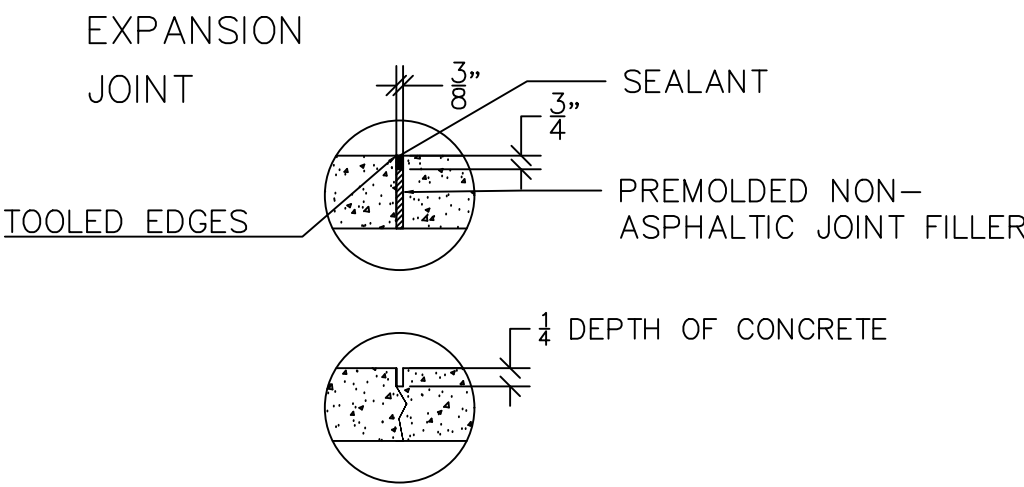


6 10' CONCRETE SIDEWALK SCORING DETAIL
SCALE: N.T.S.

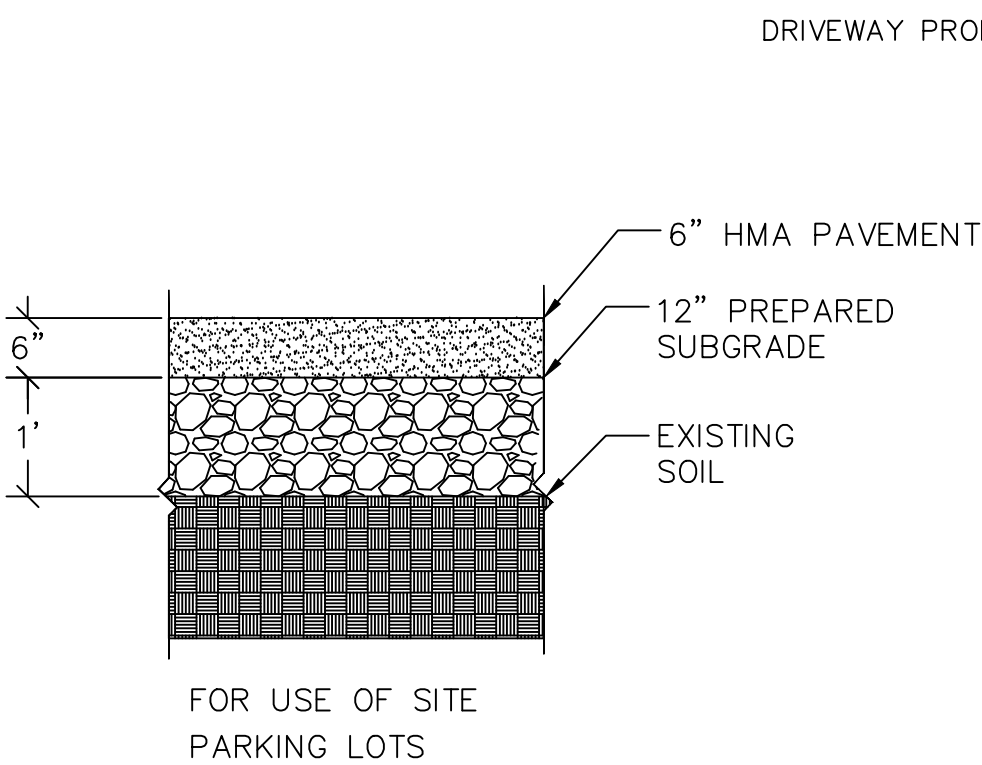


① MATCH EXISTING STREETS THICKNESS OF 8" HMA FOR 1 FOOT, TAPER DOWN TO 7" OVER 1'-6"

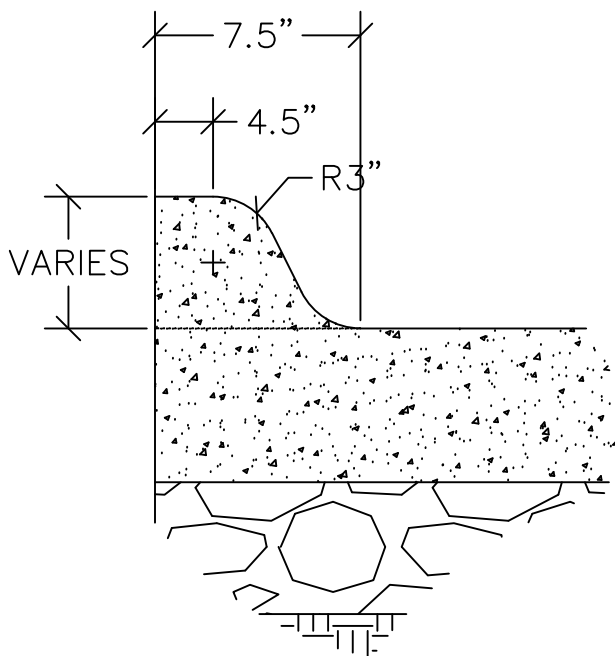
9 DRIVEWAY PROFILE DETAIL
SCALE: N.T.S.



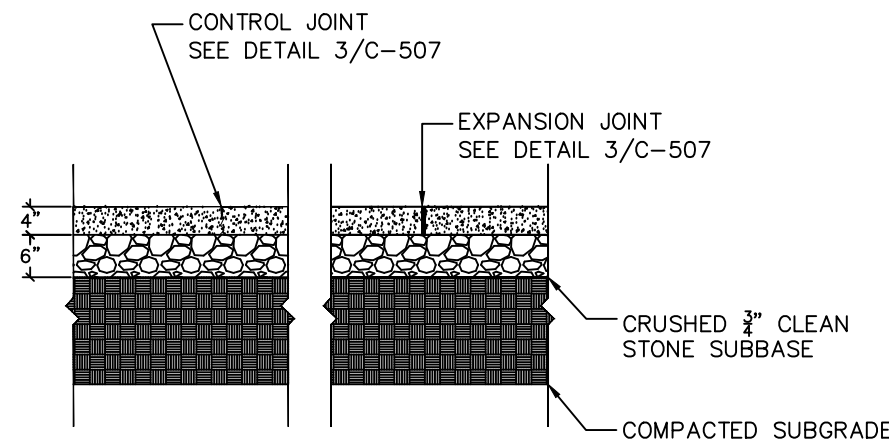
3 CONCRETE JOINT DETAIL
SCALE: N.T.S.



7 HMA PAVING DETAIL
SCALE: N.T.S.



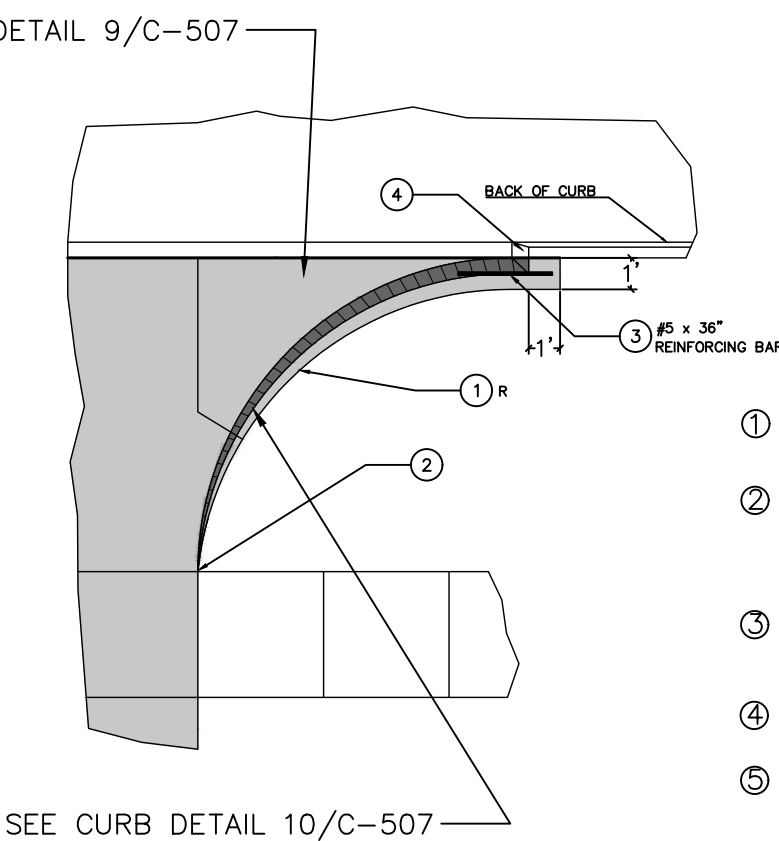
10 CURB DETAIL
SCALE: N.T.S.



NOTE: PROVIDE CONTROL JOINTS AS SHOWN ON SPAN AND EXPANSION JOINTS AT 12' MAXIMUM UNLESS OTHERWISE SPECIFIED.

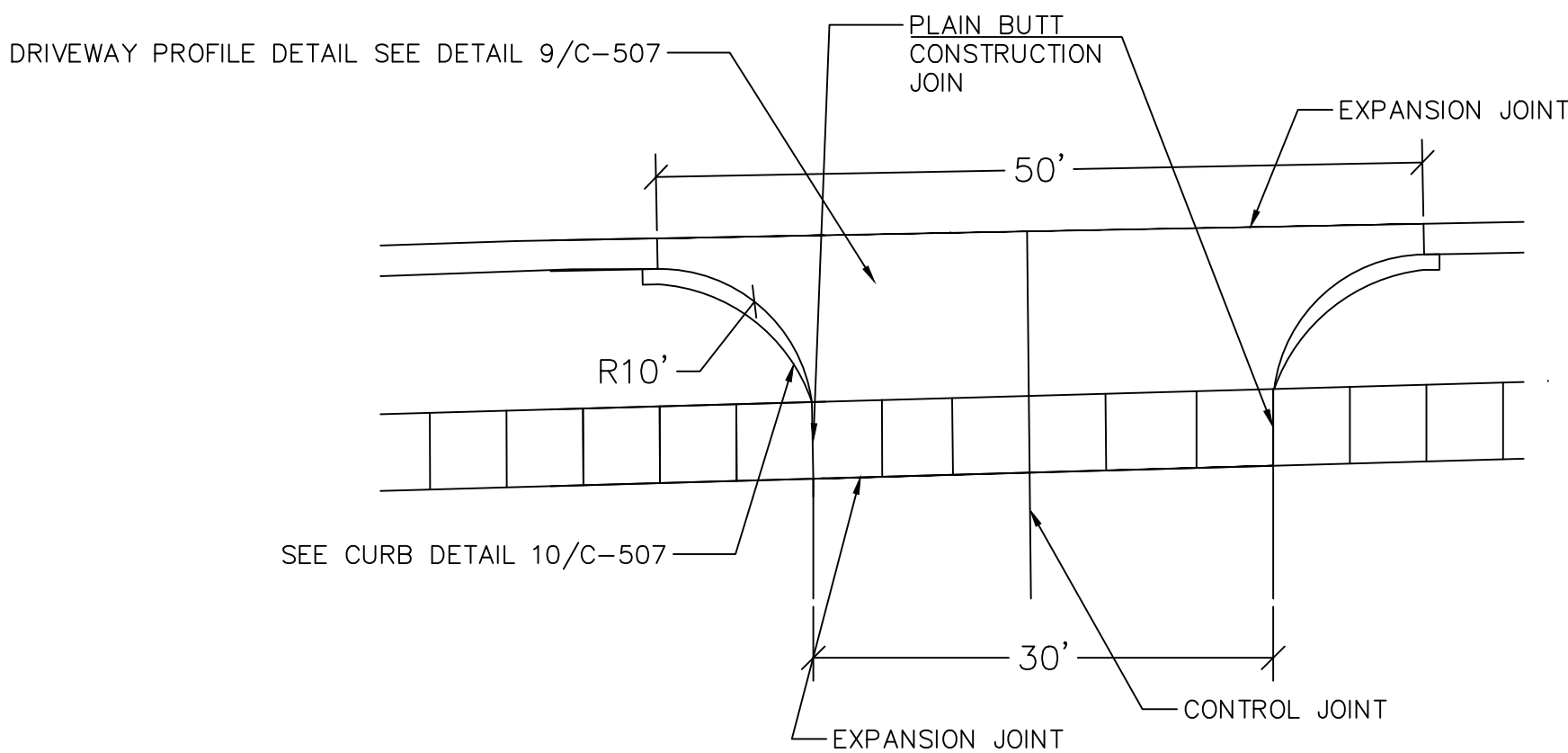
CONSTRUCTION OF CONCRETE SIDEWALKS IS TO CONFORM WITH THE CITY OF MAQUOKETA CONSTRUCTION SPECIFICATIONS

4 CONCRETE SIDEWALK DETAIL
SCALE: N.T.S.



- ① Driveway radius (10')
- ② Transition the curb height to 0" at end of taper/radius or at the front edge of sidewalk. Do not extend raised curb across sidewalk.
- ③ Center reinforcing bar vertically in the pavement
- ④ Transition steel curb at minimum 1:1 slope to meet driveway
- ⑤ See detail C-507 driveway profile detail

8 DRIVEWAY DETAIL
SCALE: N.T.S.



11 DRIVEWAY DETAIL
SCALE: N.T.S.

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITAL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

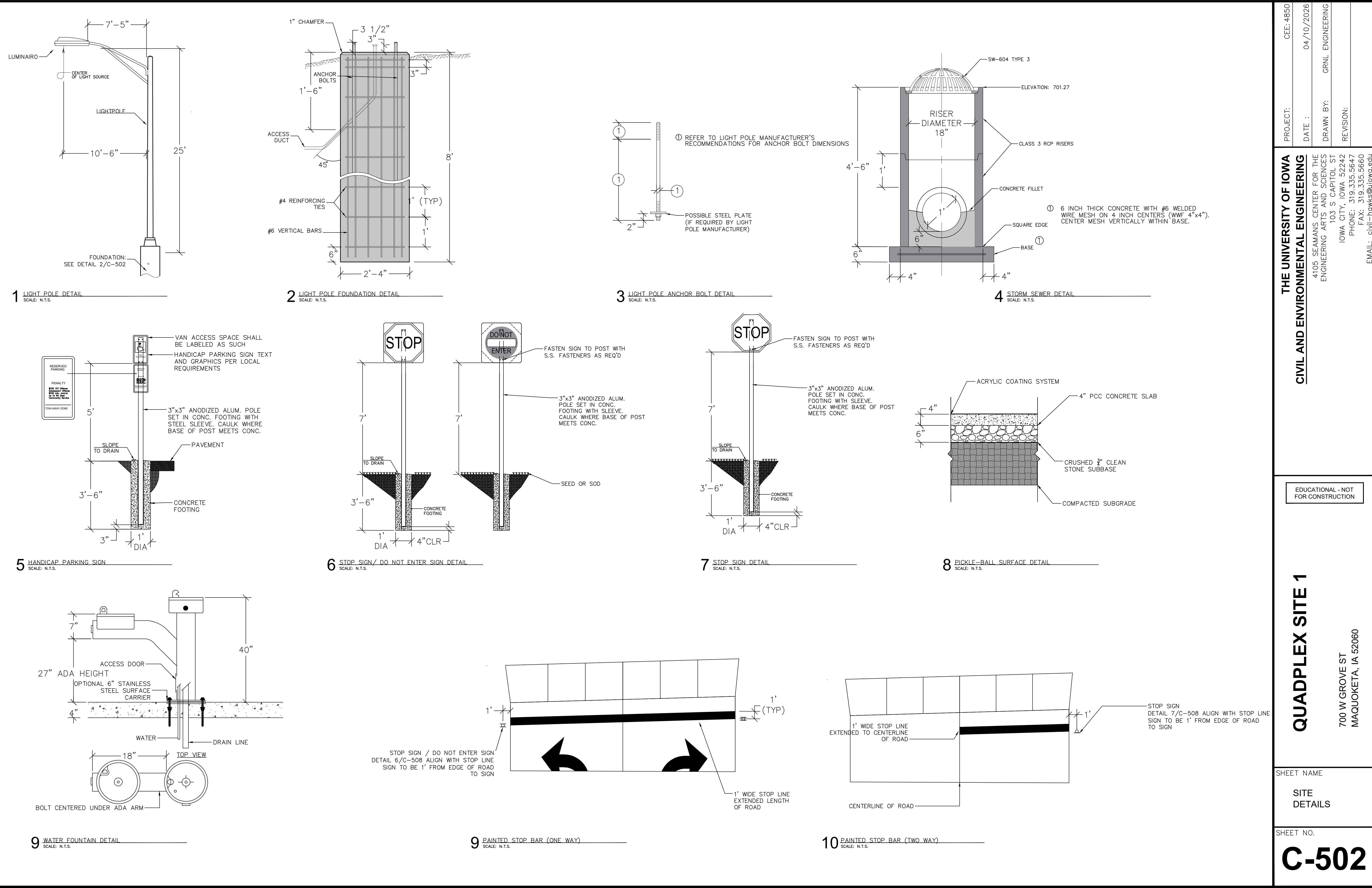
700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

SITE
DETAILS

SHEET NO.

C-501



PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

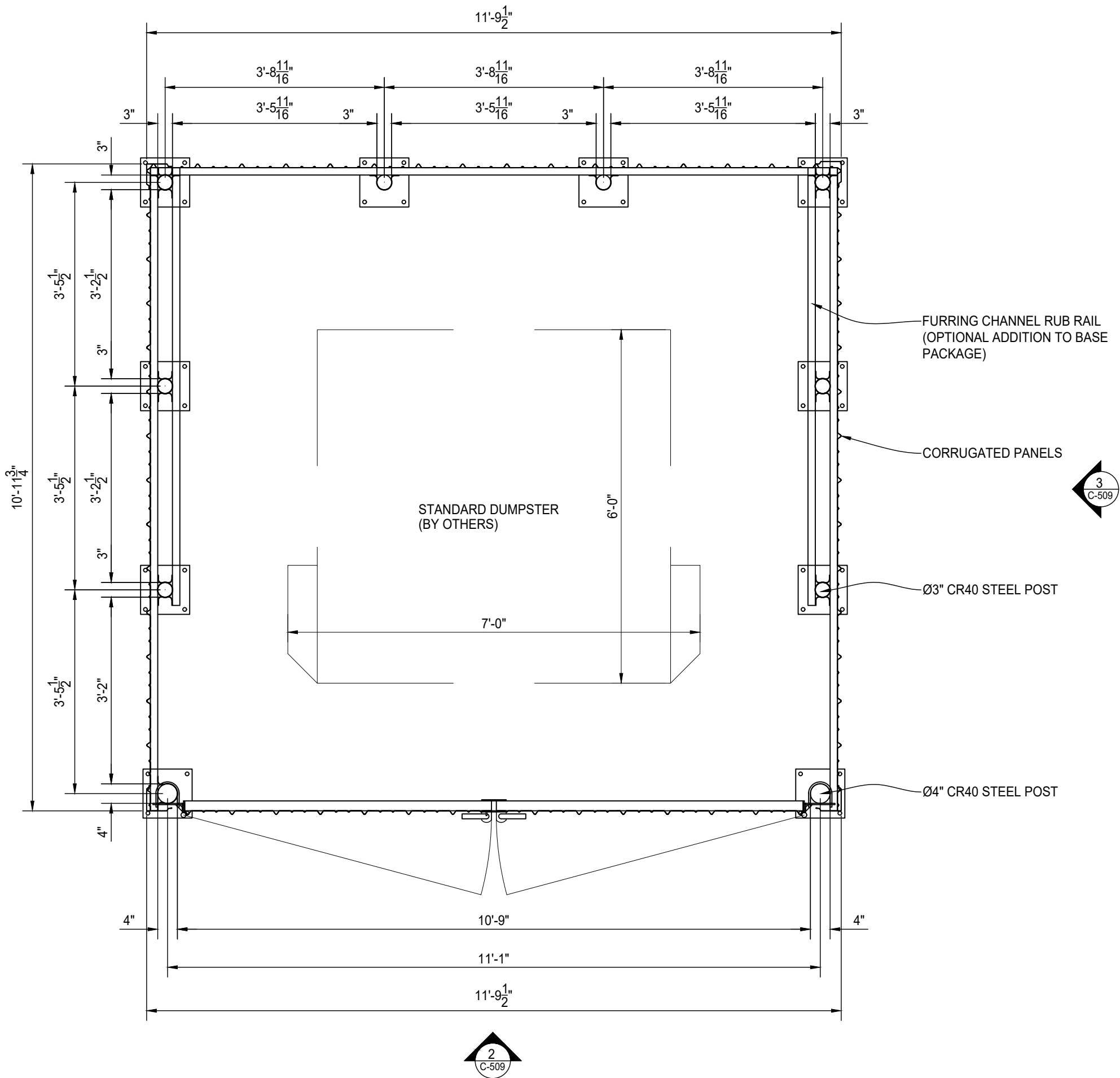
THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1
700 W GROVE ST MAQUOKETA, IA 52060
SHEET NAME
SITE DETAILS
SHEET NO.
C-502

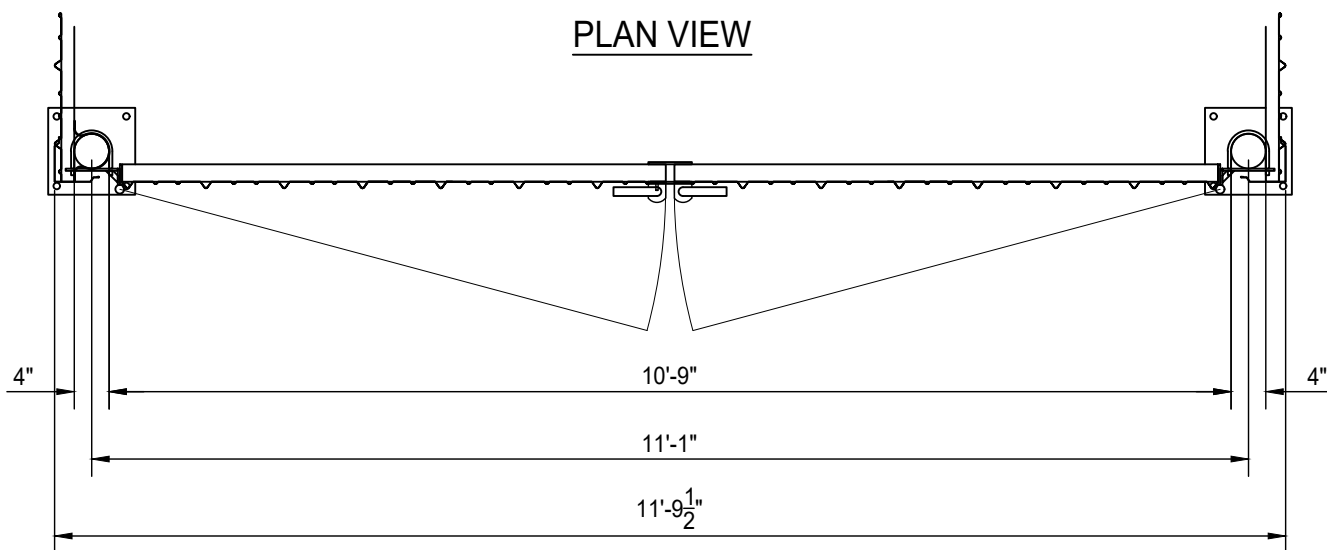
Notes:

1. Dumpster enclosure dimensions and layout shall conform to manufacturer recommendations and project plans.
2. Contractor shall verify all dimensions and utility conflicts prior to construction.
3. All steel components shall be galvanized and installed per manufacturer specifications.
4. Provide minimum required ADA and fire access clearances around enclosure.
5. All fasteners, hinges, and hardware shall be corrosion resistant.
6. Install enclosure plumb, level, and anchored per manufacturer requirements.
7. Any modifications to manufacturer details shall be approved by the engineer prior to construction.
8. See civil/site plans for enclosure location and grading information.

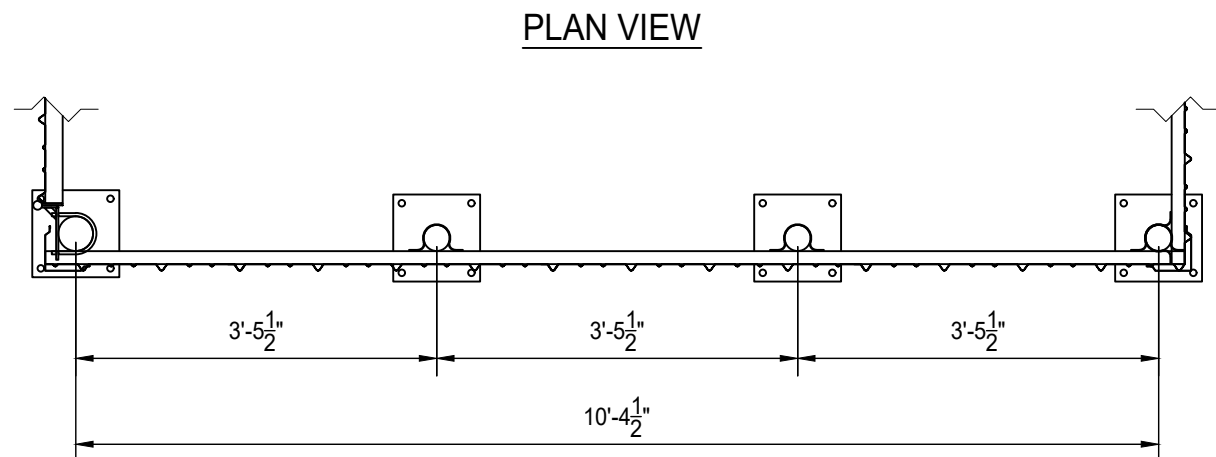


PLAN VIEW DUMPSTER ENCLOSURE

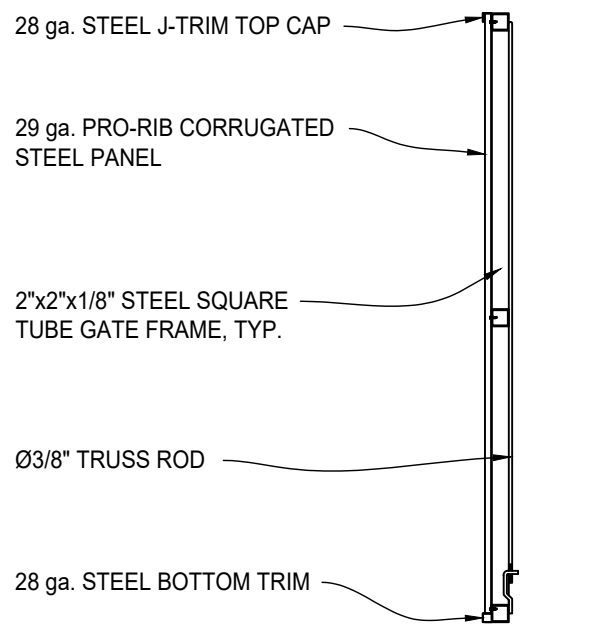
1 DUMPSTER ENCLOSURE PLAN VIEW
SCALE: N.T.S.



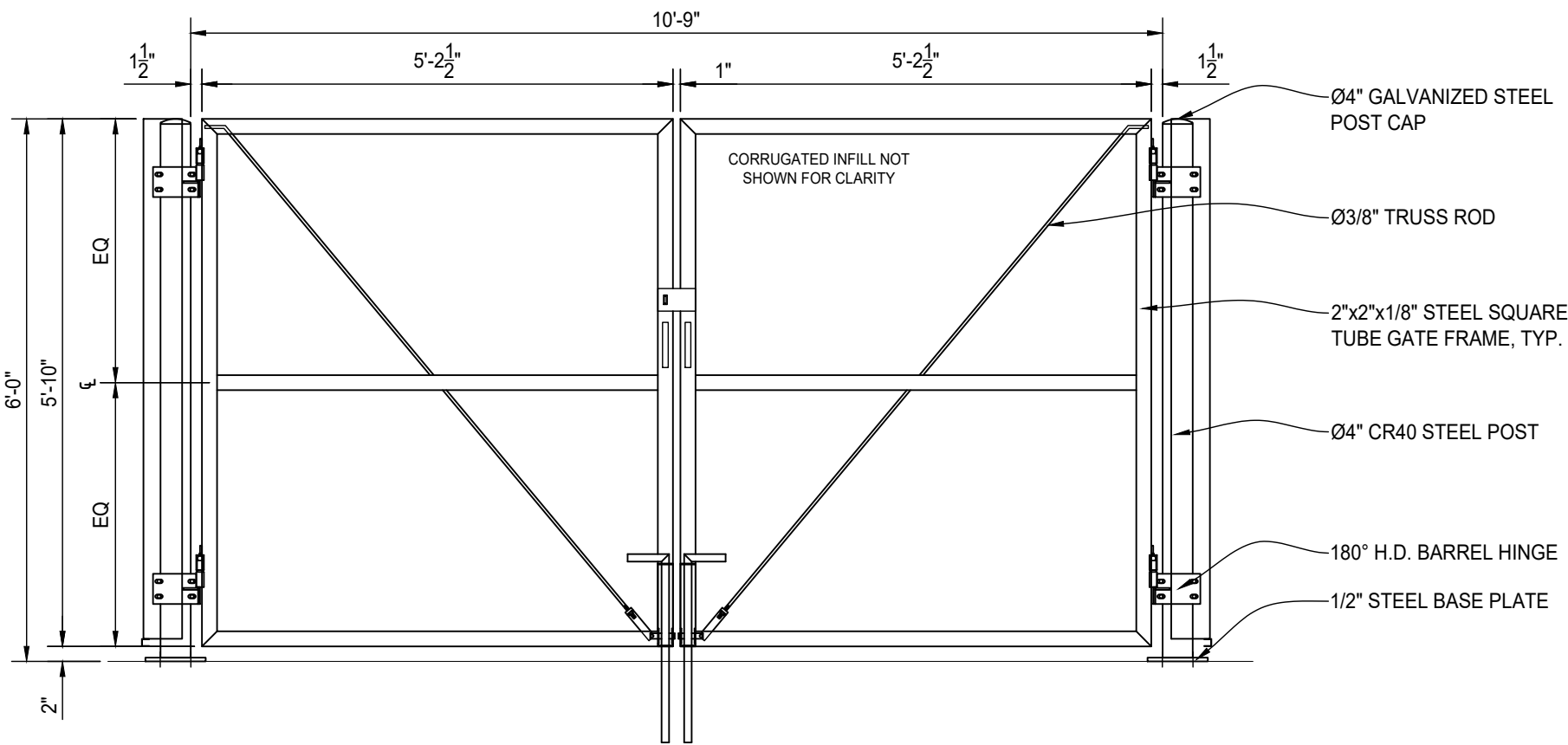
PLAN VIEW



PLAN VIEW

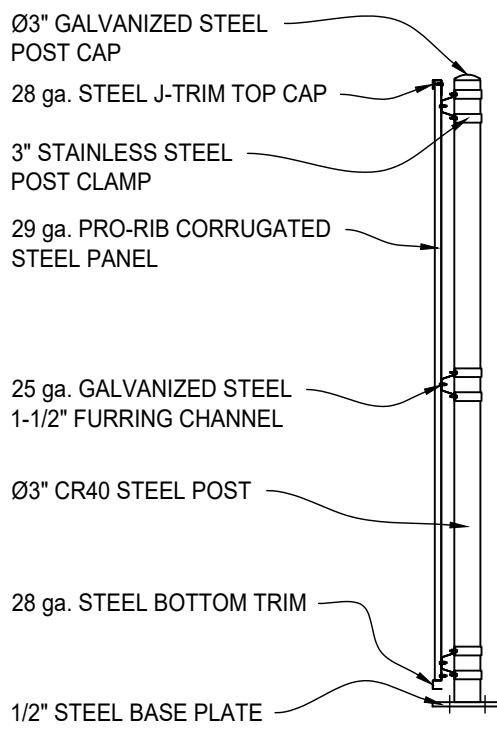


TYPICAL GATE SECTION

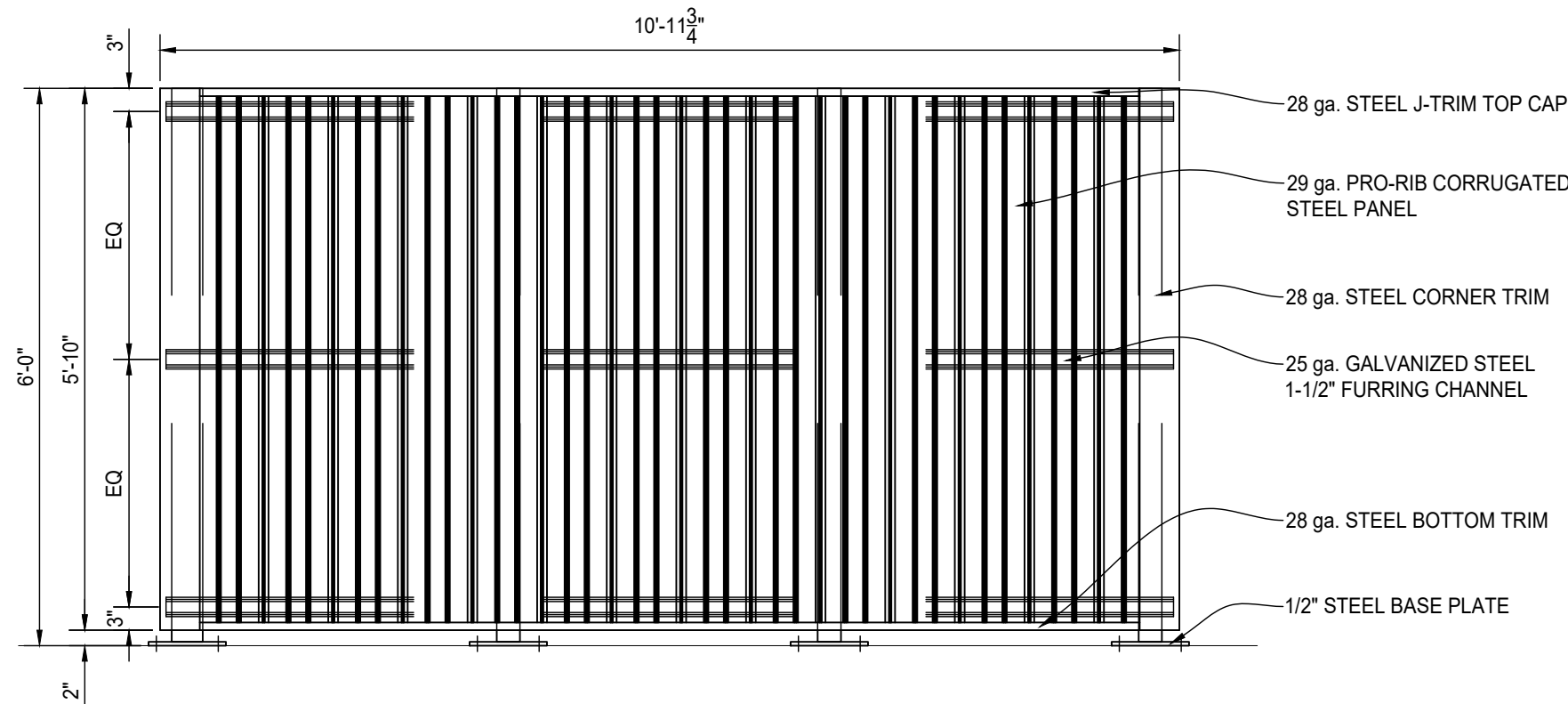


DOUBLE DRIVE GATE ELEVATION

SEE SHEET 05 FOR GATE HARDWARE DETAILS.
PULL HANDLE TO BE 42" FROM GRADE.



TYPICAL PANEL SECTION



PANEL ELEVATION

2 DUMPSTER ENCLOSURE GATE
SCALE: N.T.S.

3 DUMPSTER ENCLOSURE SIDE PANEL
SCALE: N.T.S.

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

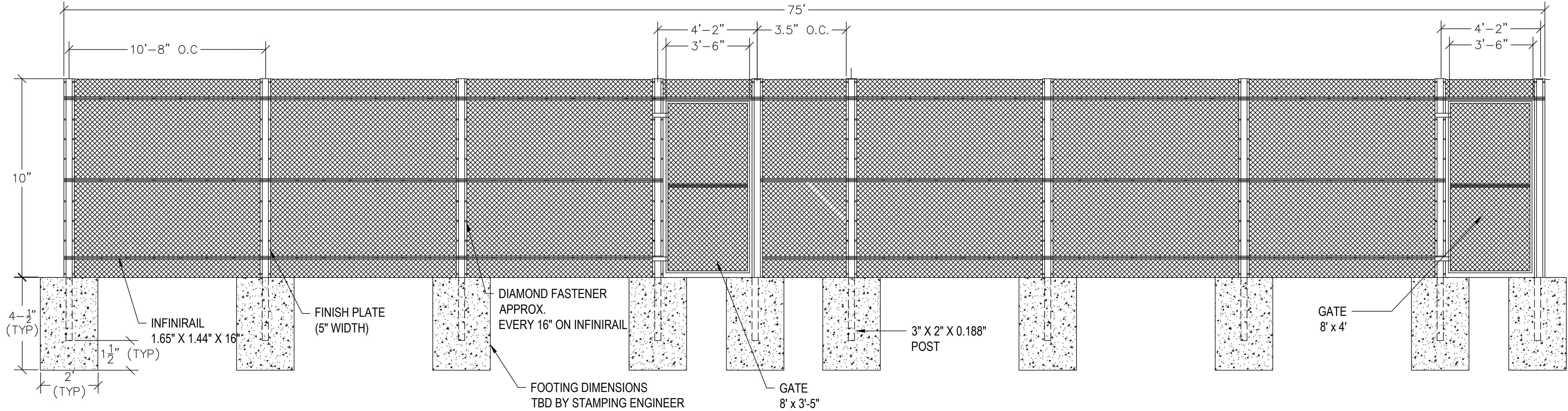
700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

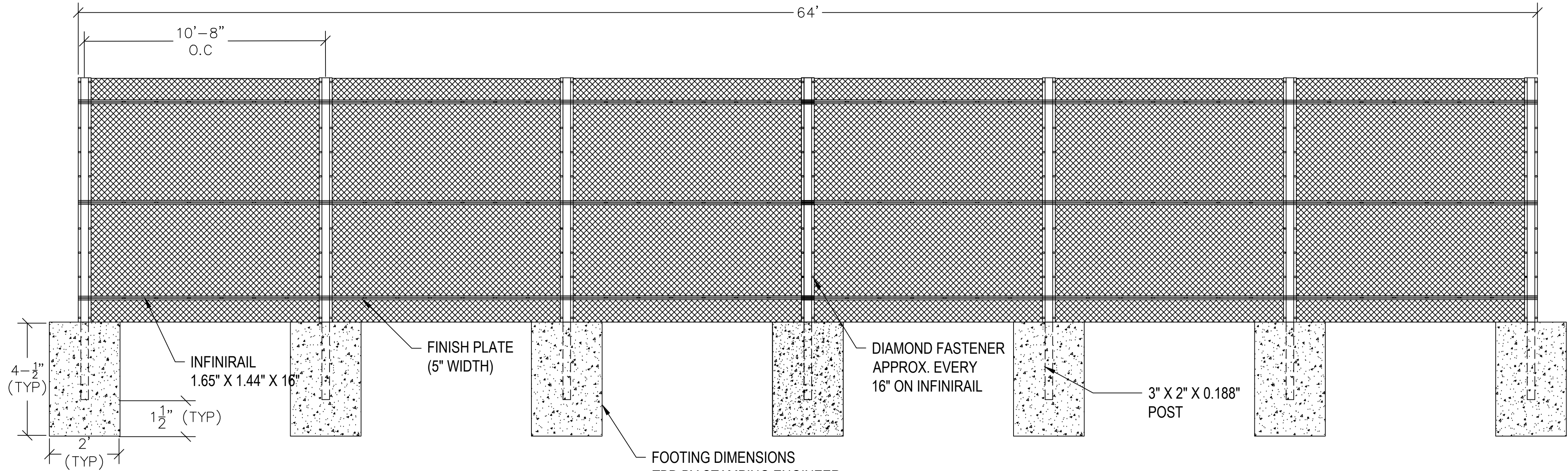
SITE
DETAILS

SHEET NO.

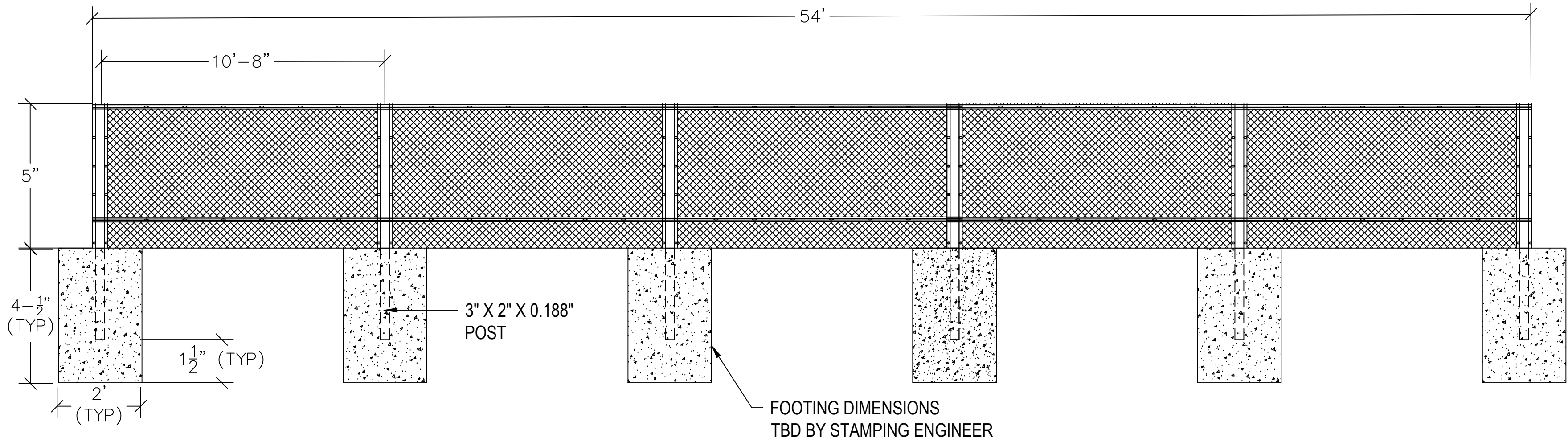
C-503



1 PICKLEBALL COURT GATE DETAIL
SCALE: N.T.S.



2 PICKLEBALL 10' FENCE DETAIL
SCALE: N.T.S.

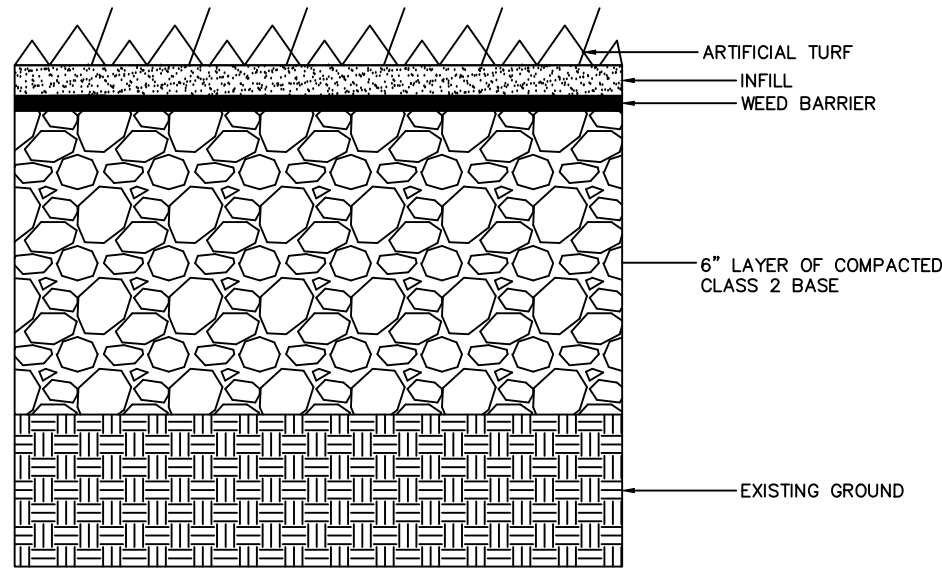


3 PICKLEBALL 5' FENCE DETAIL
SCALE: N.T.S.

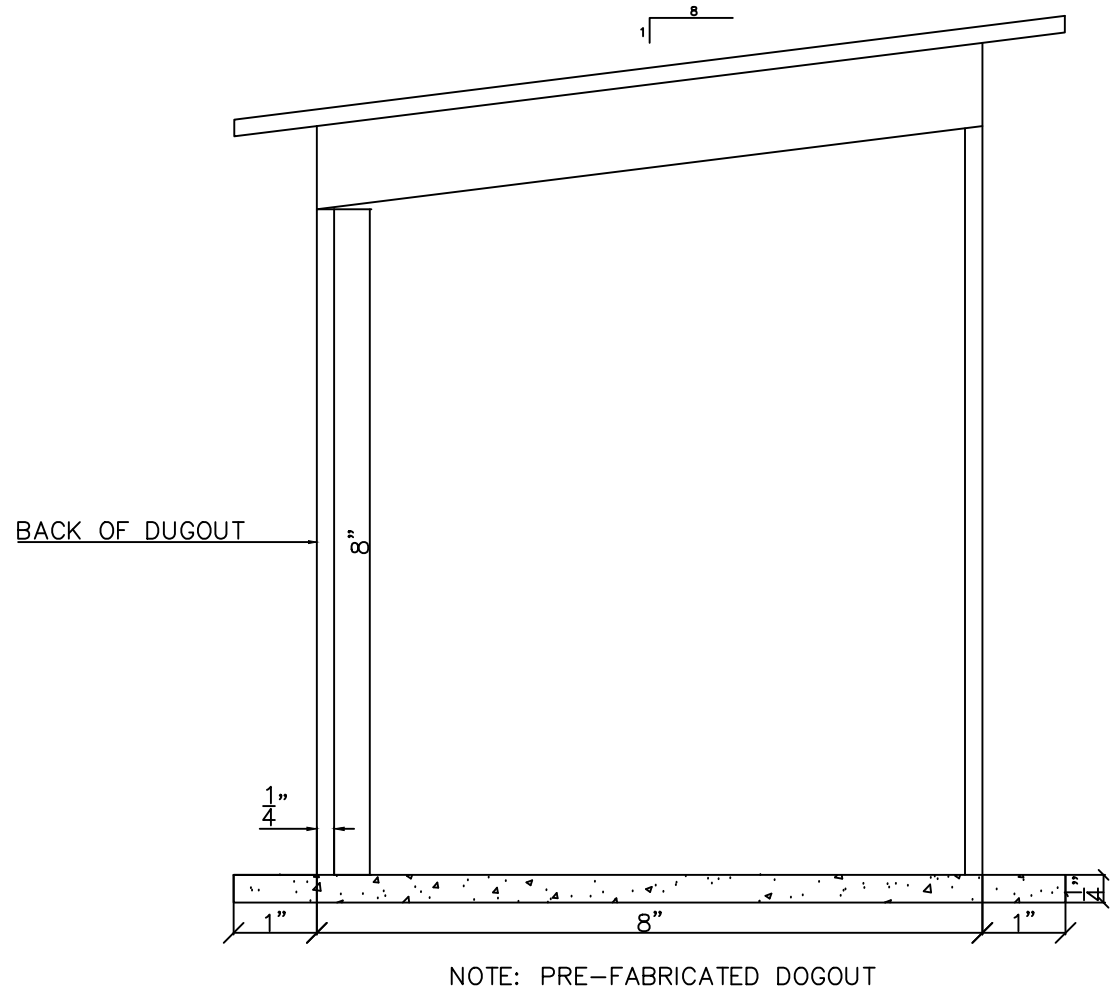
NOTES

1. All posts set in concrete footings: 24" dia. x 54" deep (typ.).
2. All footings shall extend below local frost depth
3. Chain-link fabric: 9-gauge galvanized steel (black vinyl-coated if applicable).
4. Posts spaced at 10'-8" max (typ.), unless noted otherwise.
5. Provide hinges, latch, and locking mechanism per manufacturer.
Gate To swing towards pickle-ball courts
6. Provide top rail and tension wire or bottom rail as required for fabric support.
7. Concrete for footings: 3,000 psi min.
8. Fence to be installed plumb and aligned; contractor to verify field conditions.
9. All steel components to be galvanized (and PVC-coated if specified).
10. Install fence system per manufacturer specifications.

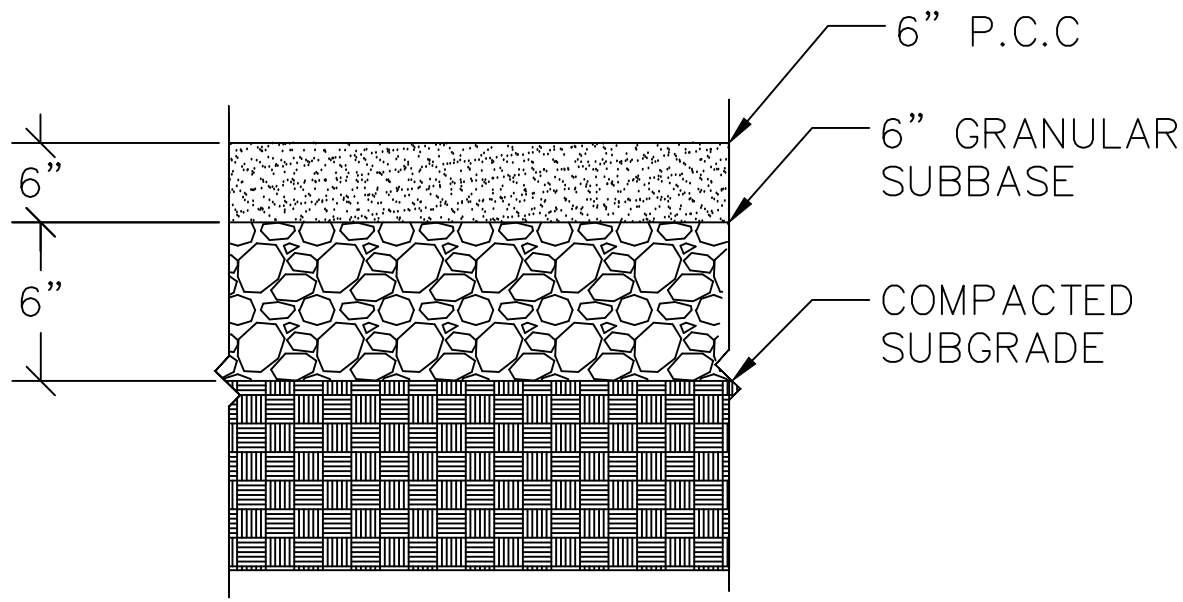
MANUFACTURER NOTES
CONSTRUCTION VARIES BETWEEN 6000 SERIES AND 7000 SERIES MESH (6000 SERIES SHOWN)
POST SIZE: 4" X 3" X 0.188"
POST TO POST: 10' - 8" O.C. (UNLESS OTHERWISE SPECIFIED)
BREAKAWAY NUT: 6 PER PANEL SECTION



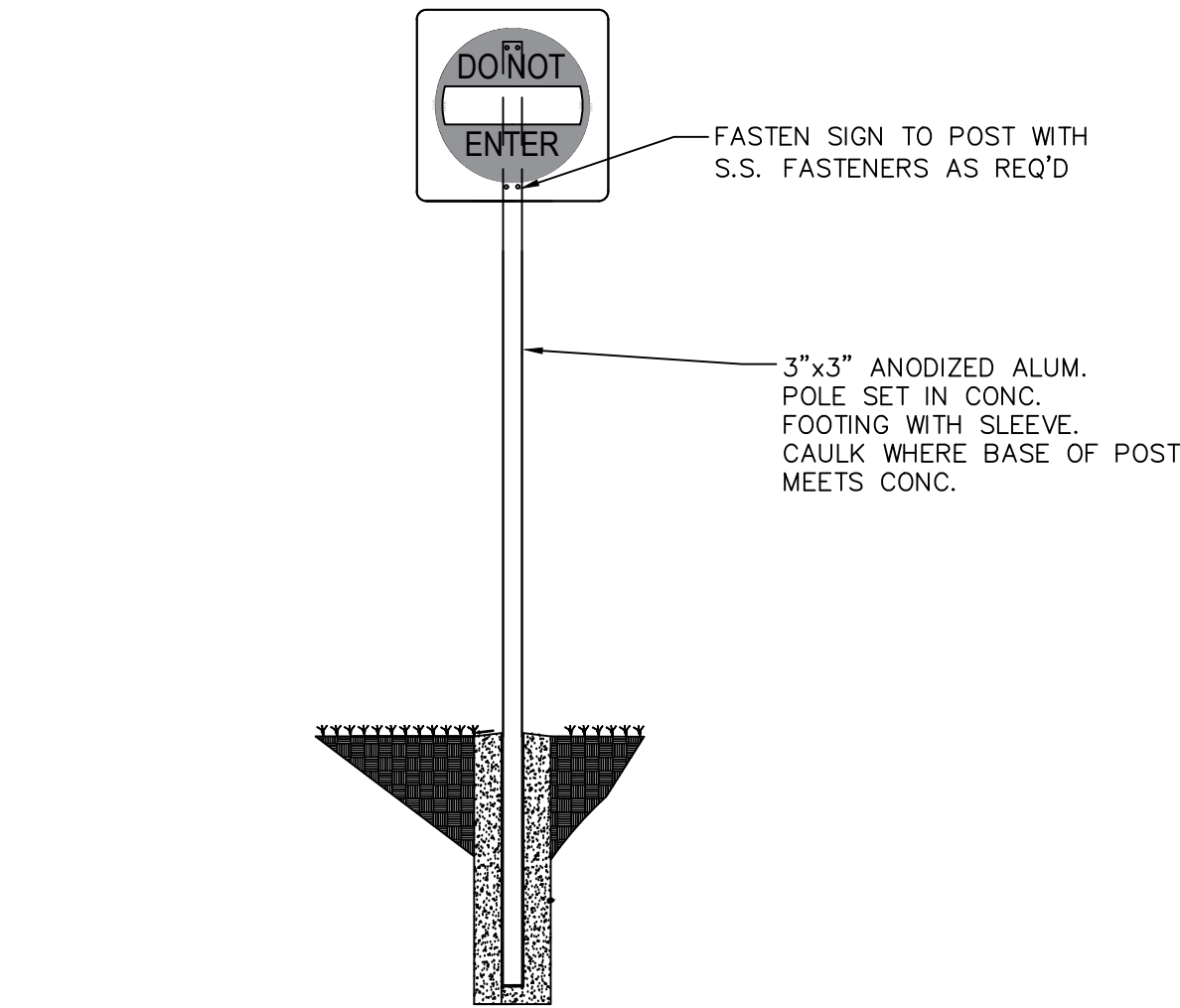
1 TURF DETAIL
SCALE: N.T.S.



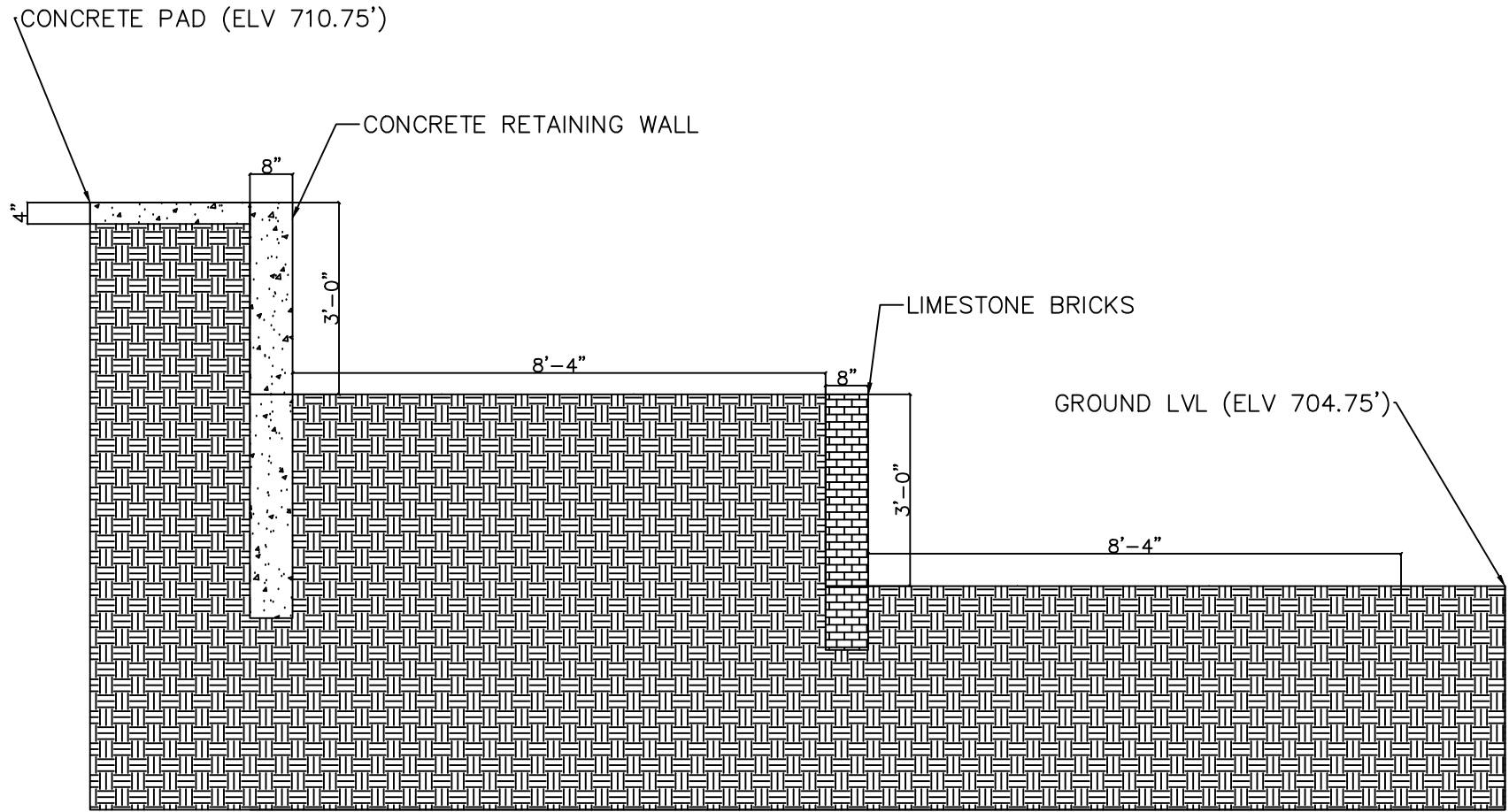
2 DUGOUT DETAIL
SCALE: N.T.S.



3 WEST PARKING AREA PAVING DETAIL
SCALE: N.T.S.



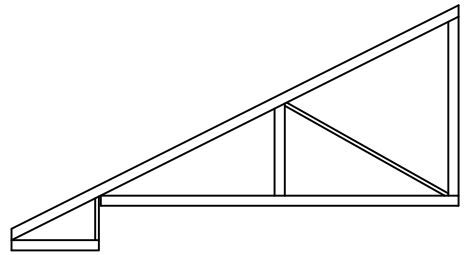
5 DO NOT ENTER SIGN
SCALE: N.T.S.



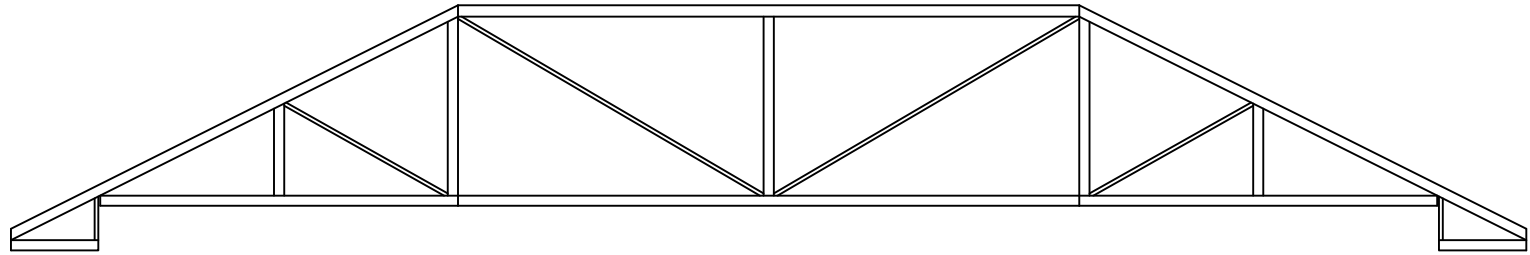
4 TERRACING PROFILE VIEW
SCALE: N.T.S.

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	
THE UNIVERSITY OF IOWA CIVIL AND ENVIRONMENTAL ENGINEERING	
4105 SEAMANS CENTER FOR THE ENGINEERING ARTS AND SCIENCES 103 S CAPITOL ST IOWA CITY, IOWA 52242 PHONE: 319.335.5647 FAX: 319.335.5660 EMAIL: civil-hawks@iowa.edu	
EDUCATIONAL - NOT FOR CONSTRUCTION	
QUADPLEX SITE 1	
700 W GROVE ST MAQUOKETA, IA 52060	
SHEET NAME	
SITE DETAILS	
SHEET NO.	
C-505	

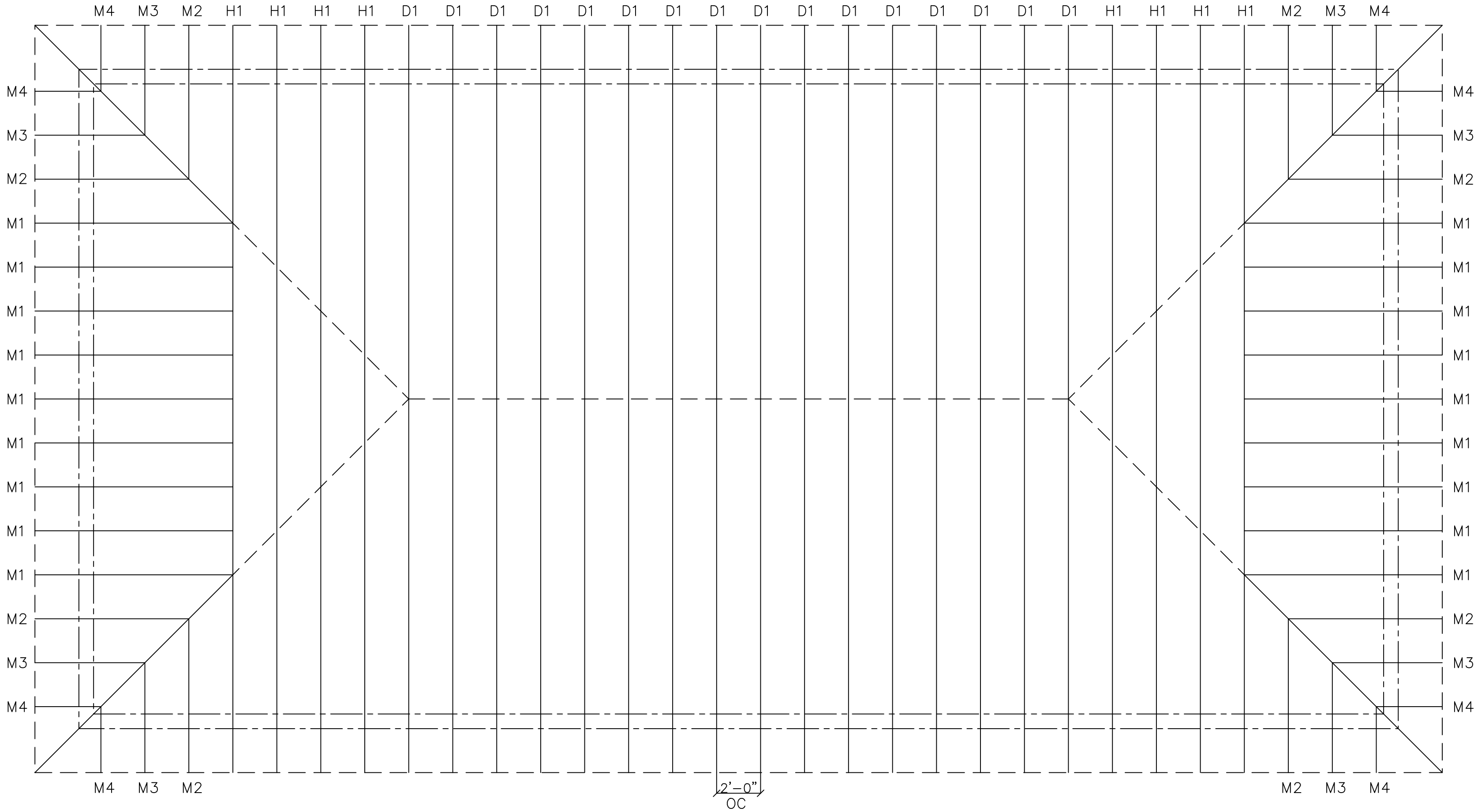
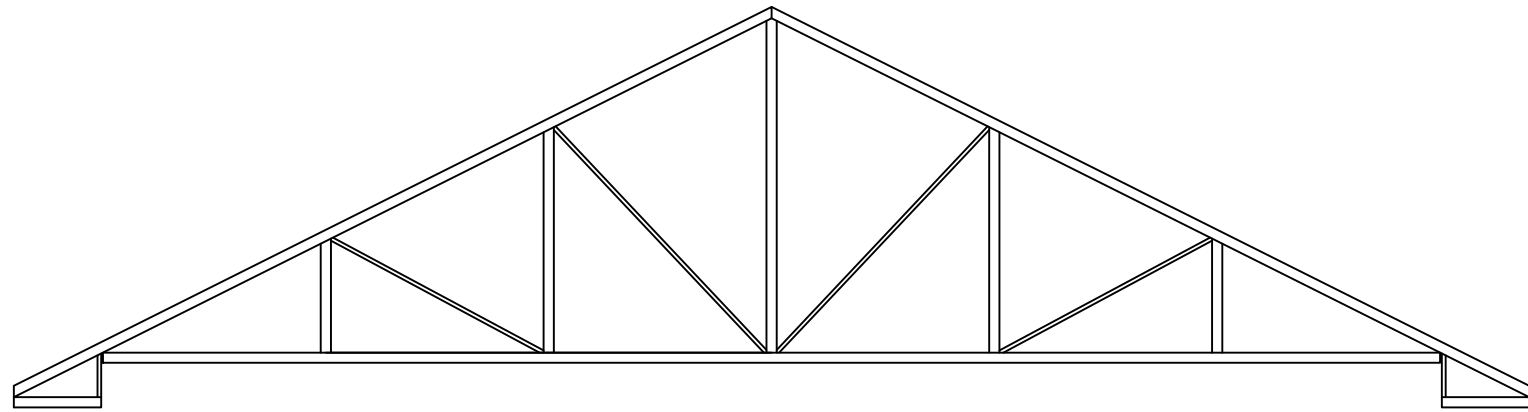
M MONO TRUSS WITH BOX RETURN
SCALE: N.T.S.



H HIP GIRDER WITH BOX RETURNS
SCALE: N.T.S.



D DOUBLE HOWE TRUSS WITH BOX RETURNS
SCALE: N.T.S.



PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

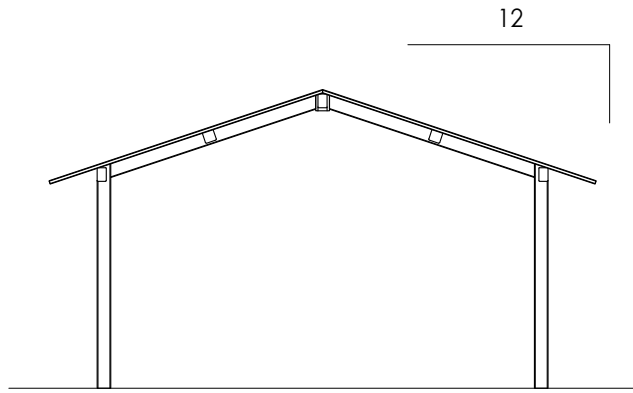
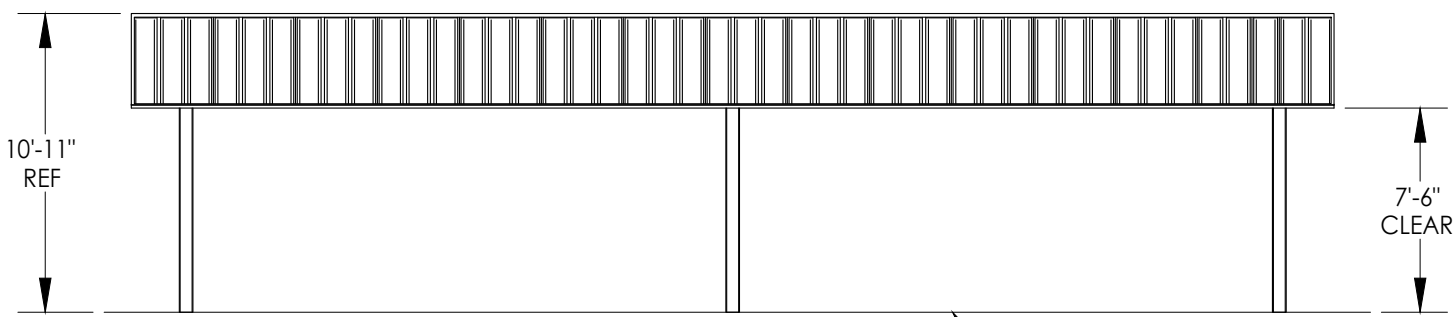
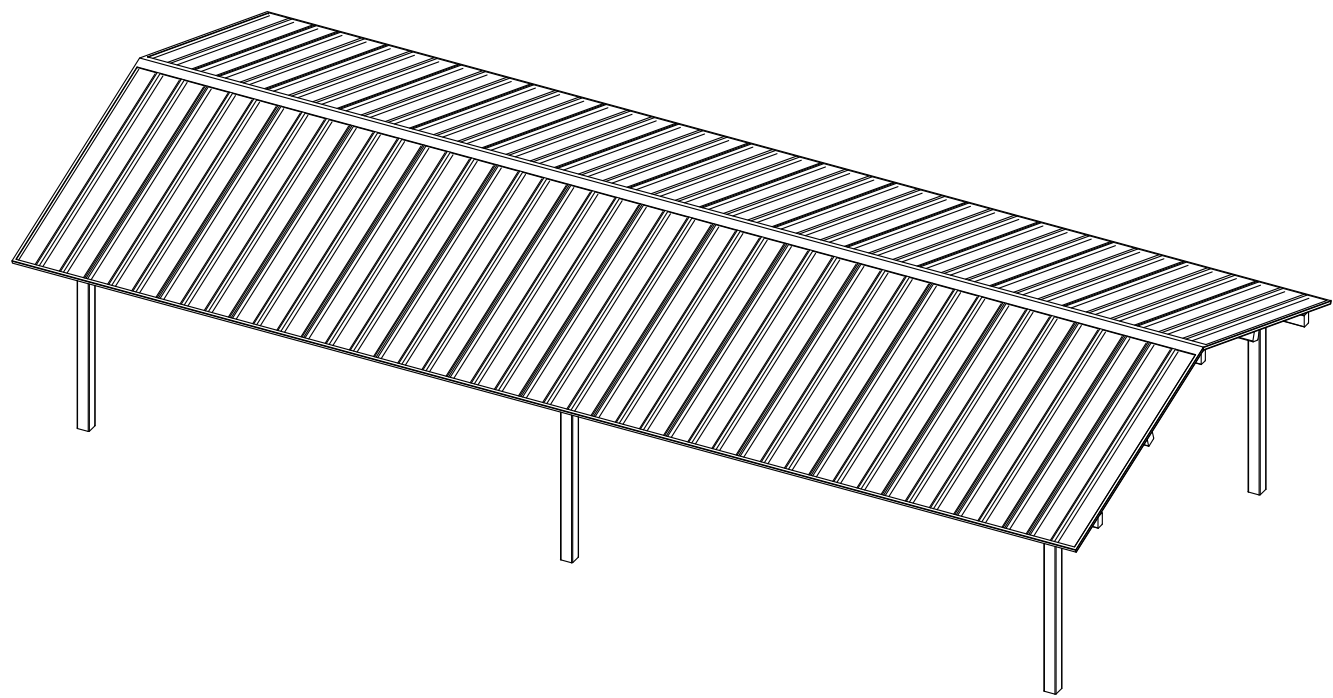
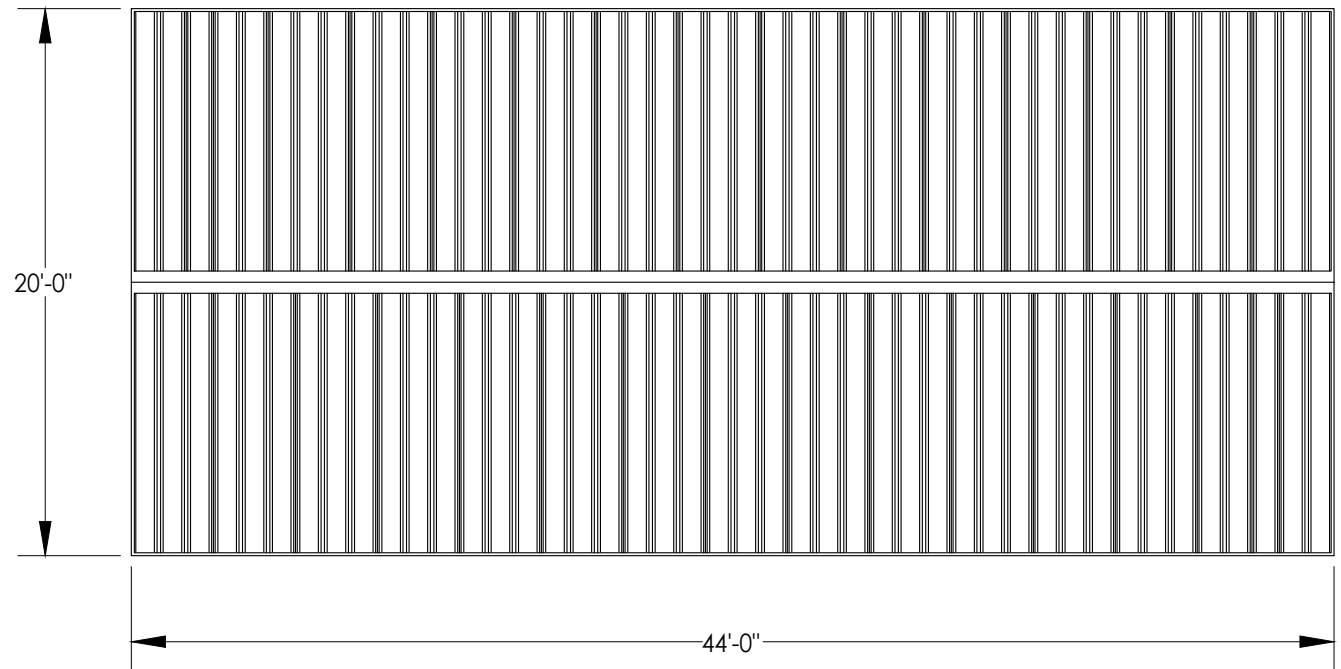
THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITES
MAQUOKETA, IA 52060

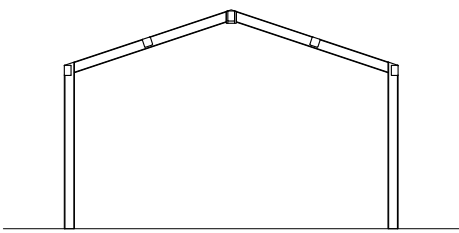
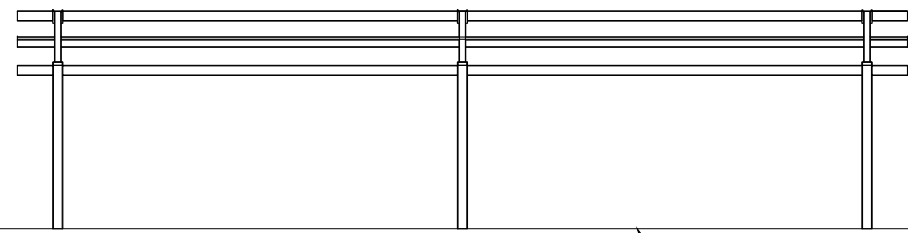
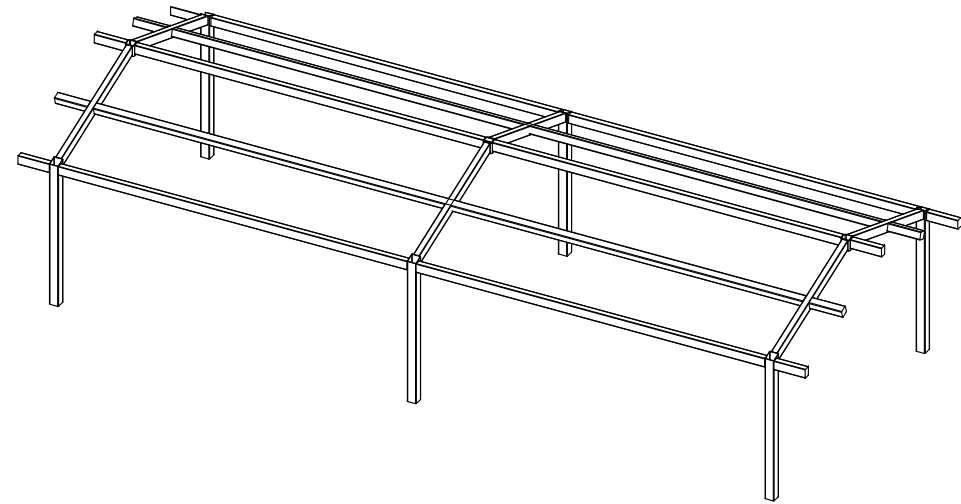
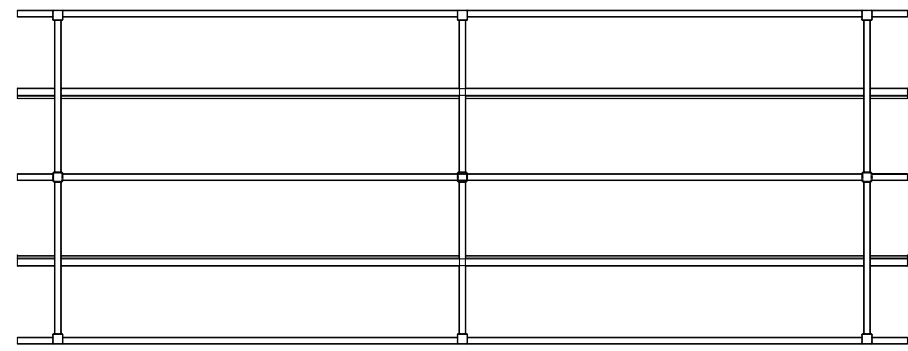
SHEET NAME
CONCESSION
TRUSS PLAN

SHEET NO.
S-102



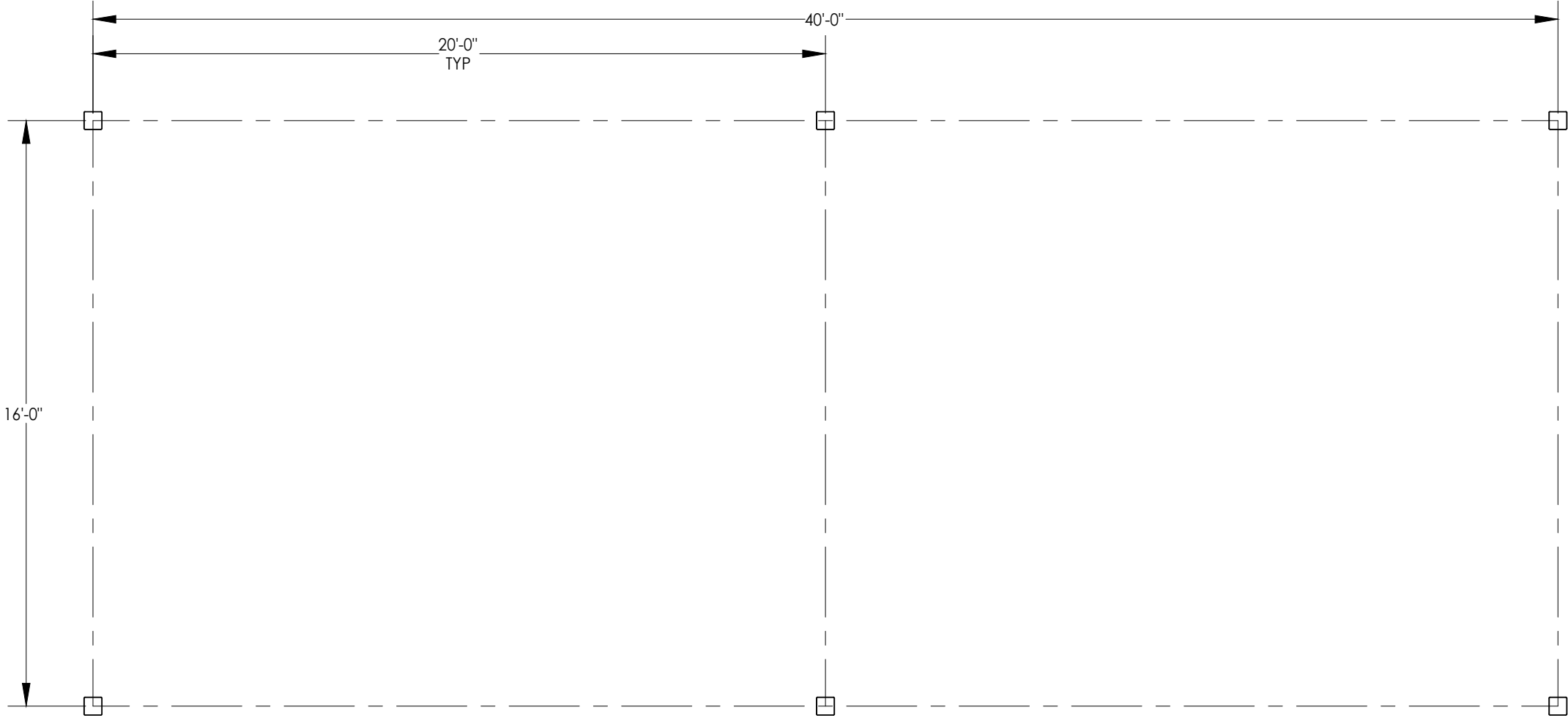
FINISH GRADE.
MOUNTING VARIES
BASED ON ENGINEERING
REQUIREMENTS.

1 PAVILION ROOF DETAIL
SCALE: N.T.S.

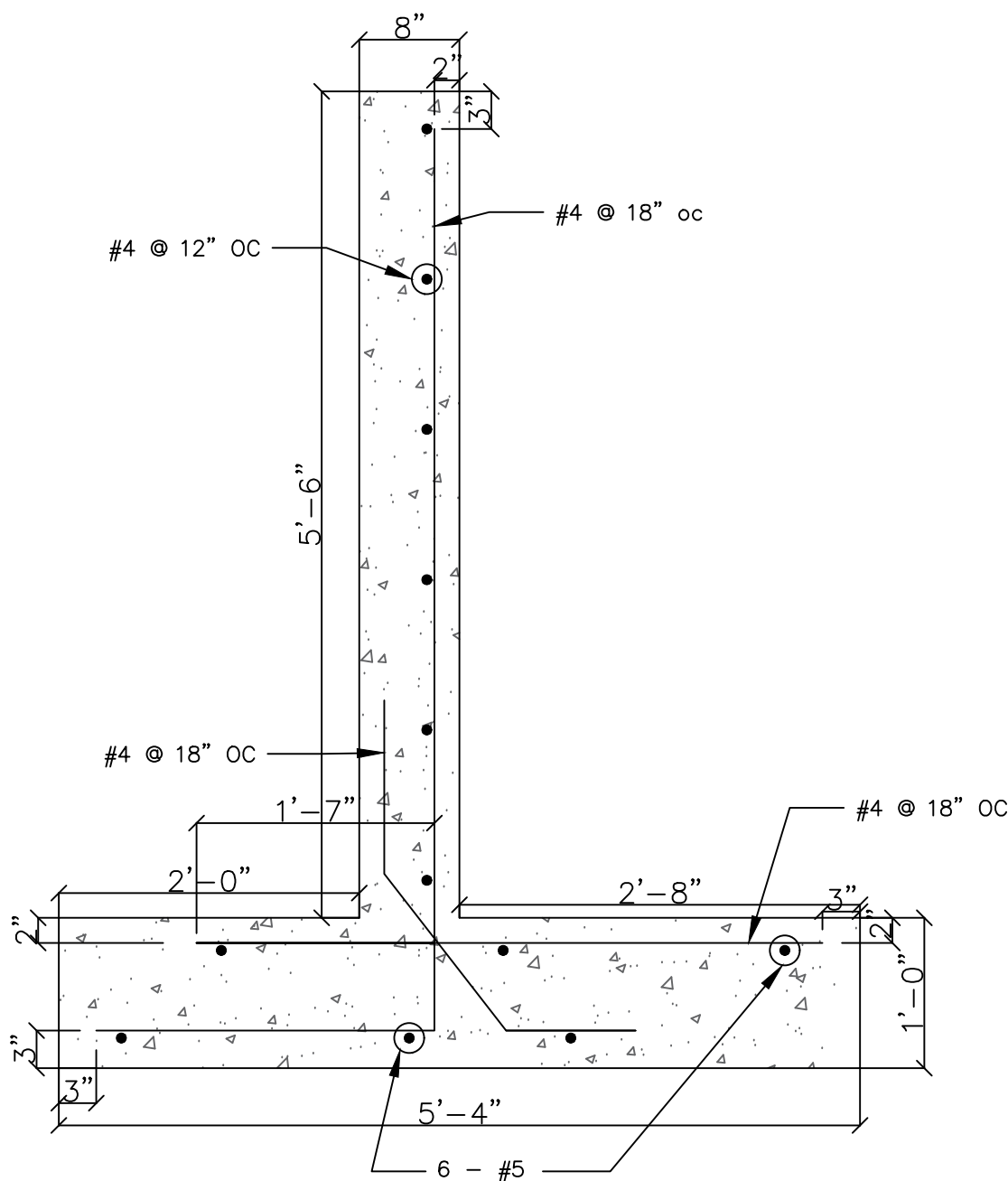


FINISH GRADE.
MOUNTING VARIES
BASED ON ENGINEERING
REQUIREMENTS.

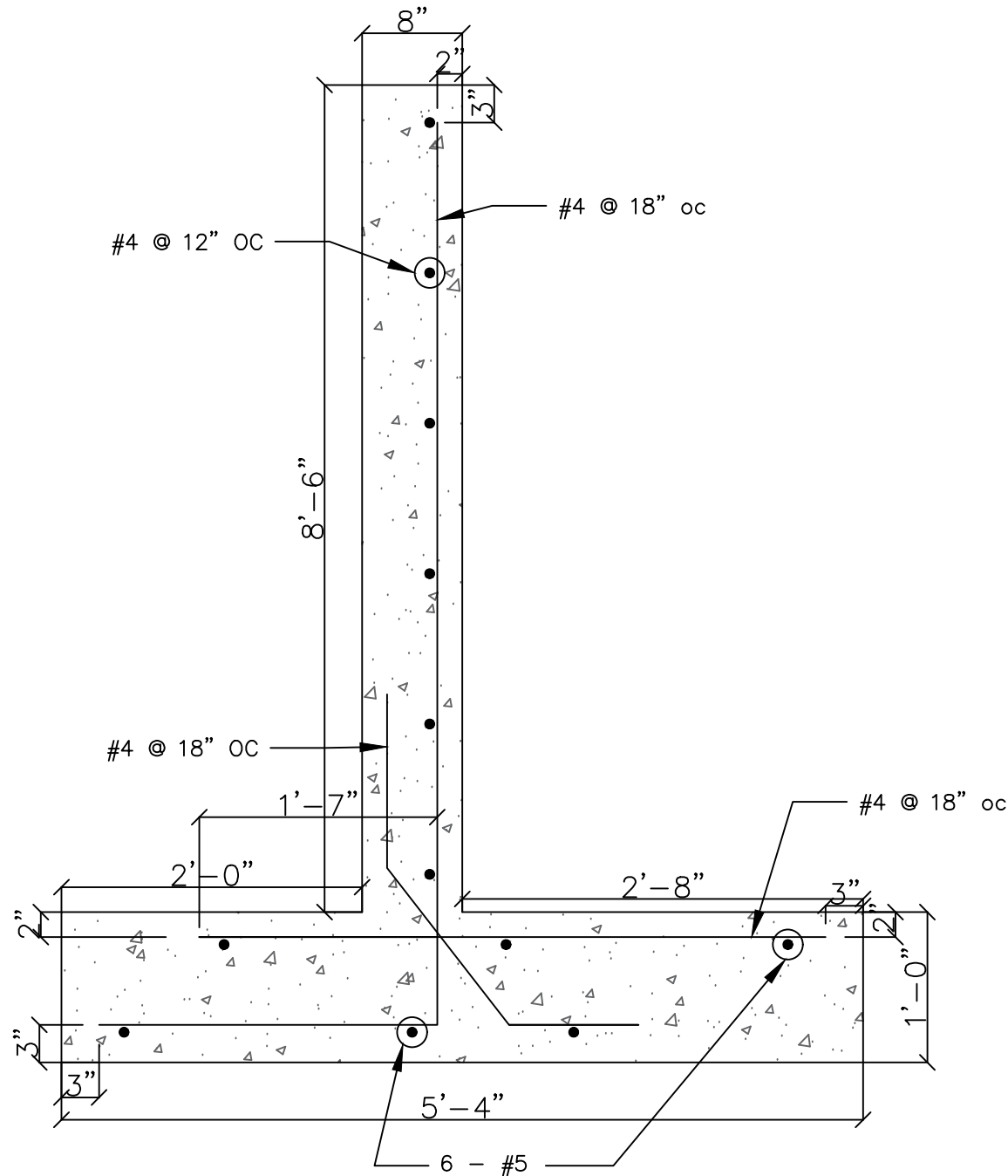
2 PAVILION FRAME DETAIL
SCALE: N.T.S.



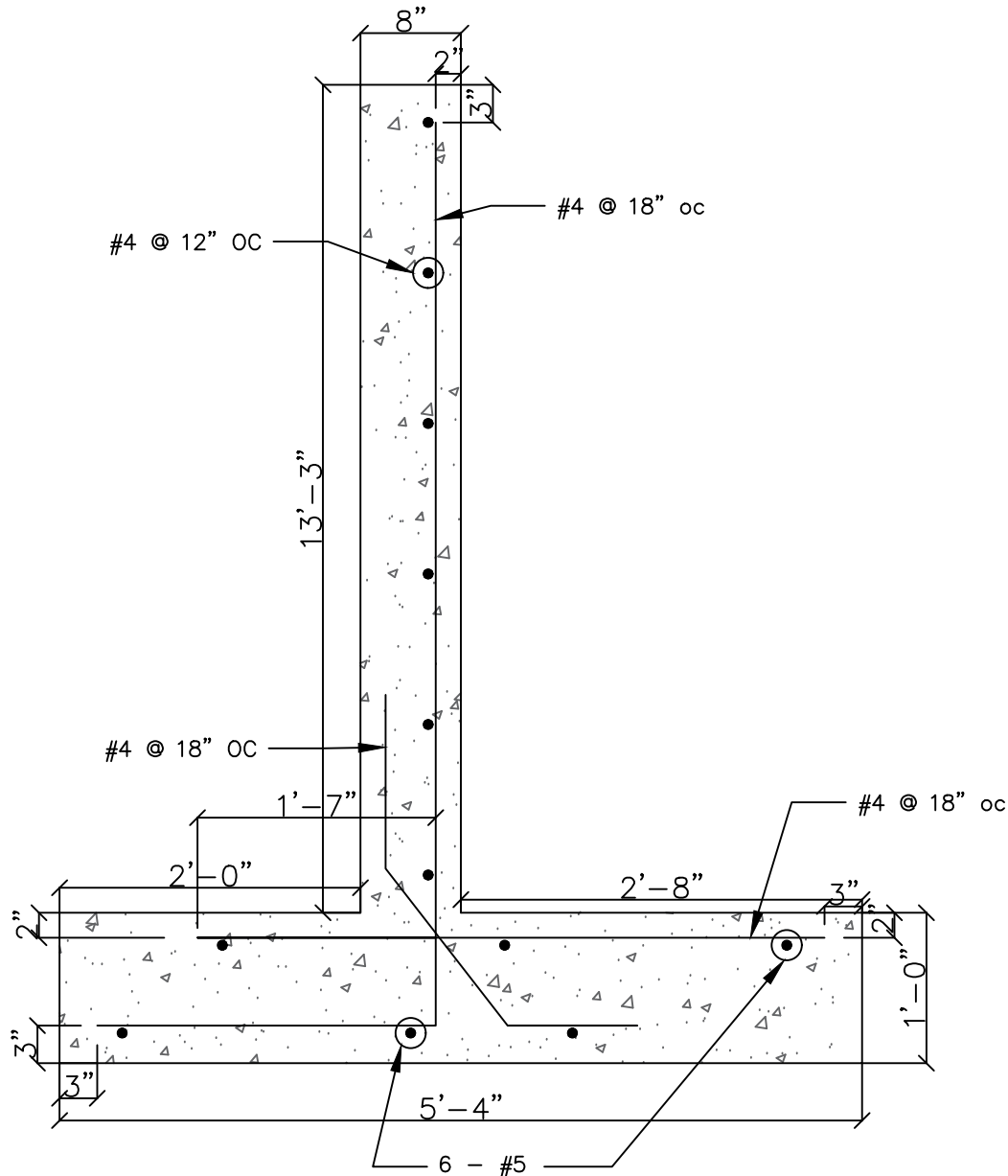
3 PAVILION POST DETAIL
SCALE: N.T.S.



4 TERRACING RETAINING WALL DETAIL
SCALE: N.T.S.



5 TERRACING ENDS RETAINING WALL DETAIL
SCALE: N.T.S.



6 WEST RETAINING WALL DETAIL
SCALE: N.T.S.

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

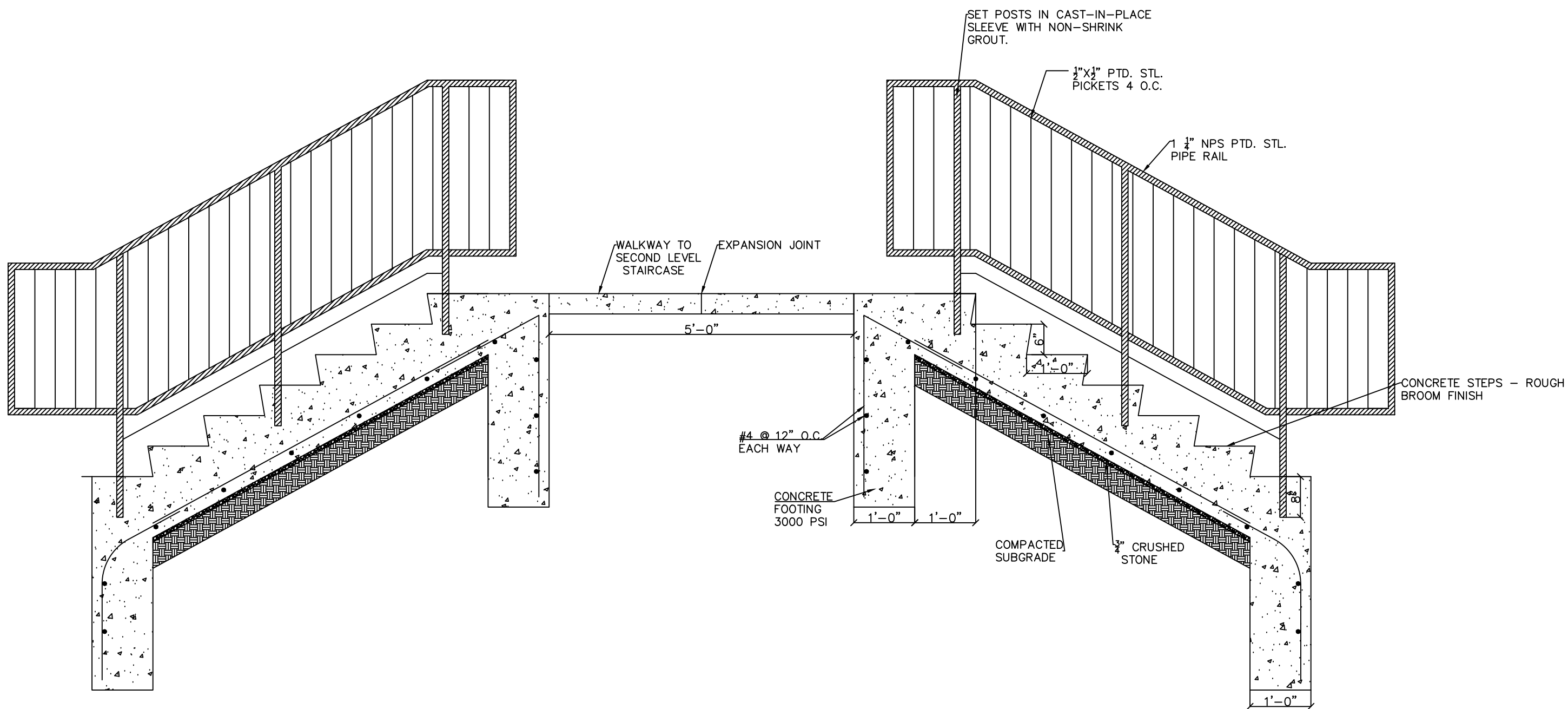
700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

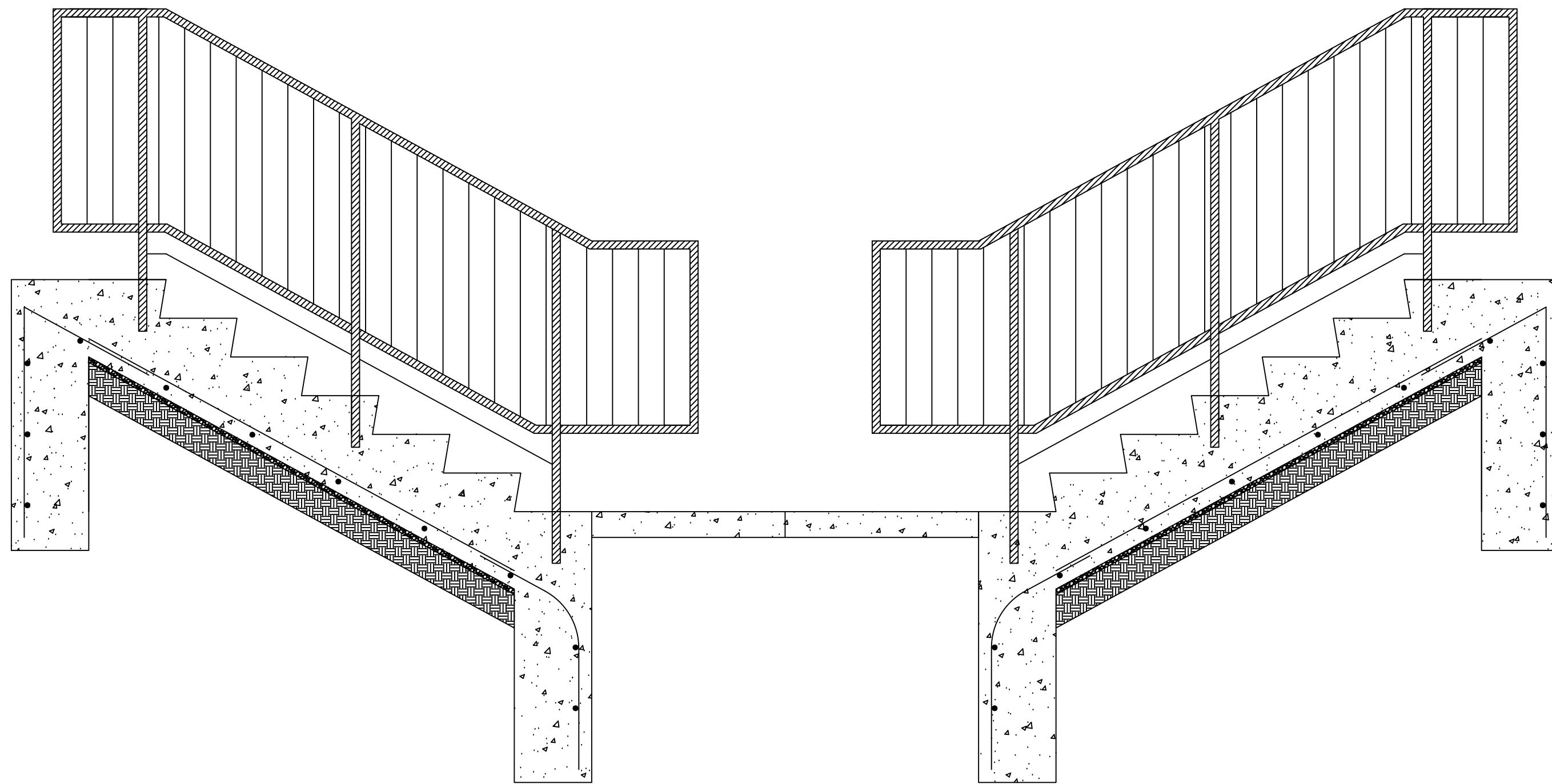
STRUCTURAL
DETAILS

SHEET NO.

S-501

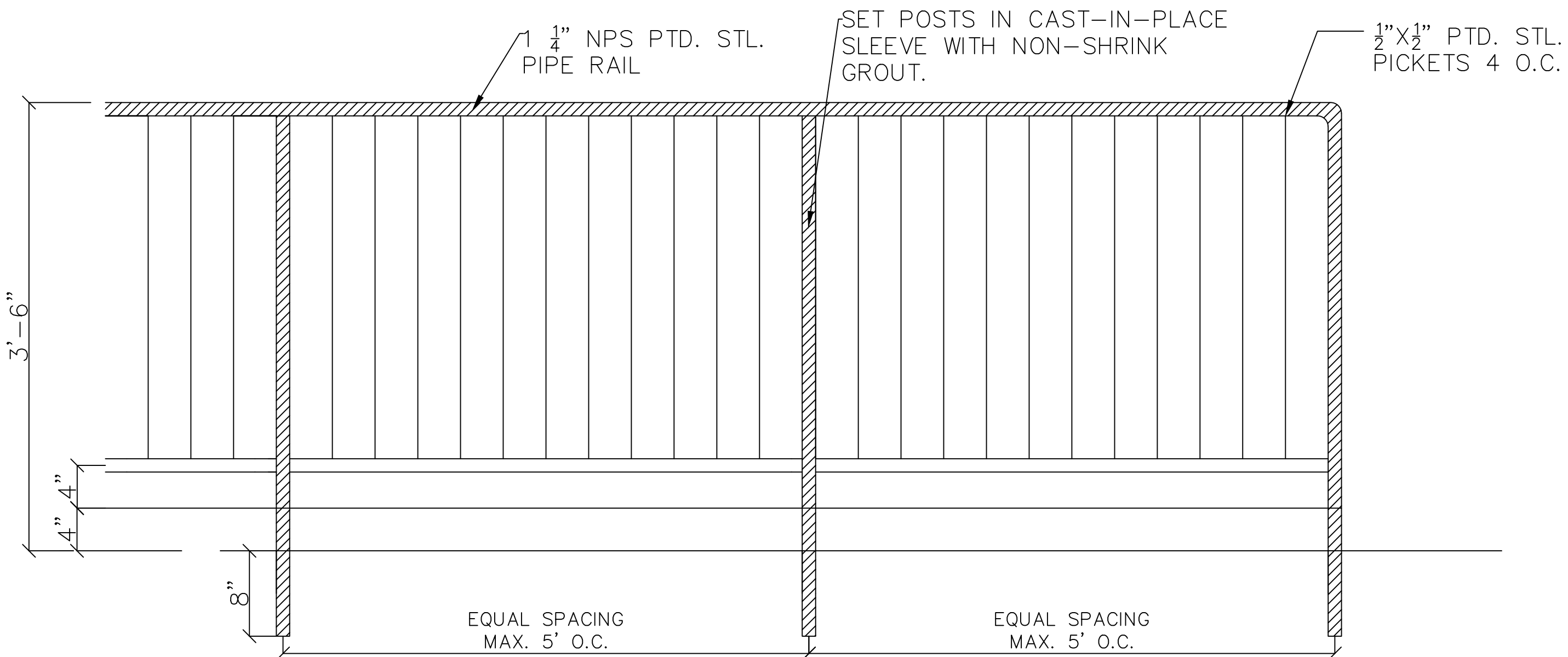


1 STAIRCASE FIRST STEP
SCALE: N.T.S.

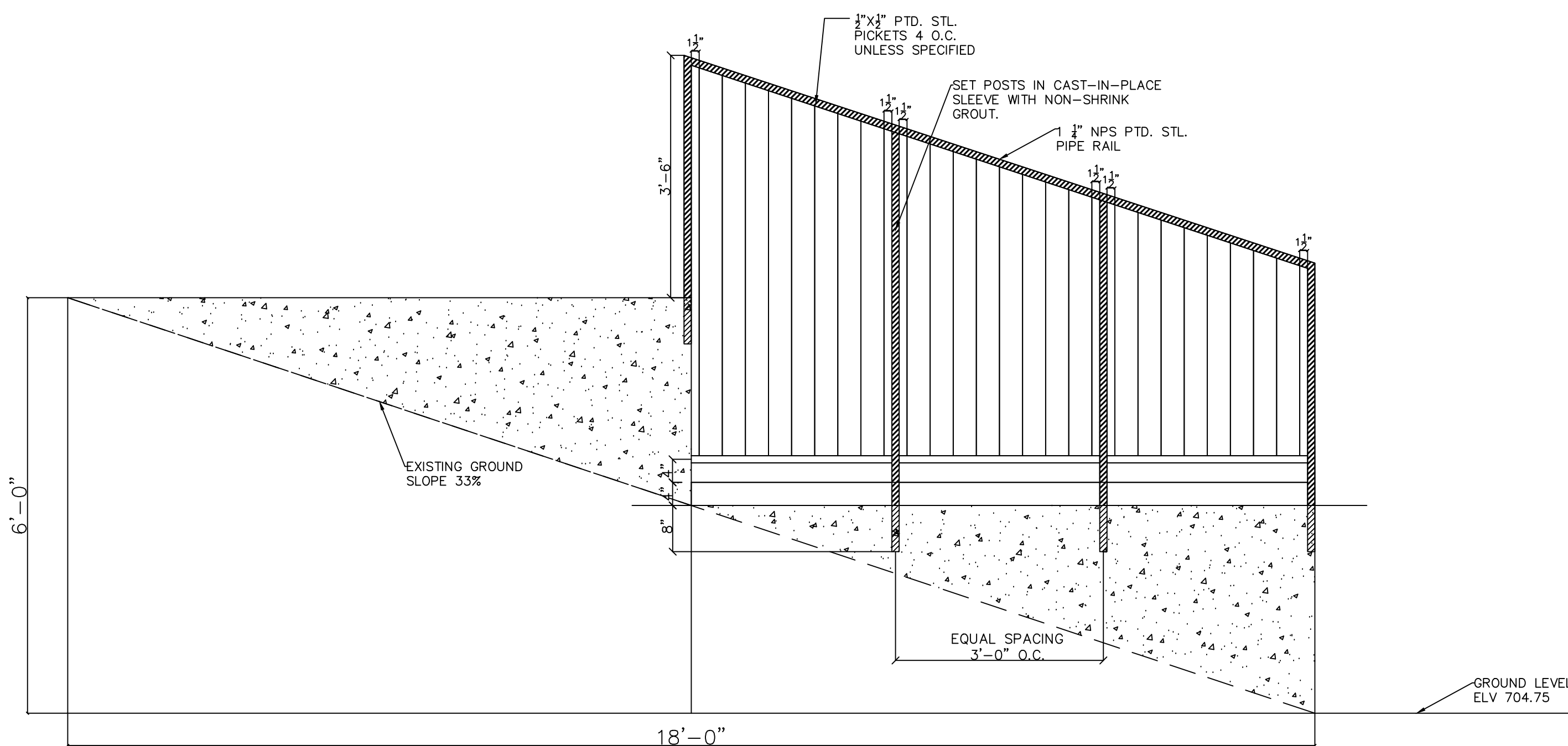


2 STAIRCASE SECOND STEP
SCALE: N.T.S.

NOTE: SEE PREVIOUS DETAIL FOR DIMENSIONS



3 GUARD RAIL DETAIL
SCALE: N.T.S.



4 TERRACING RAILING DETAIL
SCALE: N.T.S.

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING

4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

PROJECT: CEE: 4850
DATE : 04/10/2026
DRAWN BY: GRNL ENGINEERING
REVISION:
PROJECT: CEE: 4850
DATE : 04/10/2026
DRAWN BY: GRNL ENGINEERING
REVISION:

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITE 1

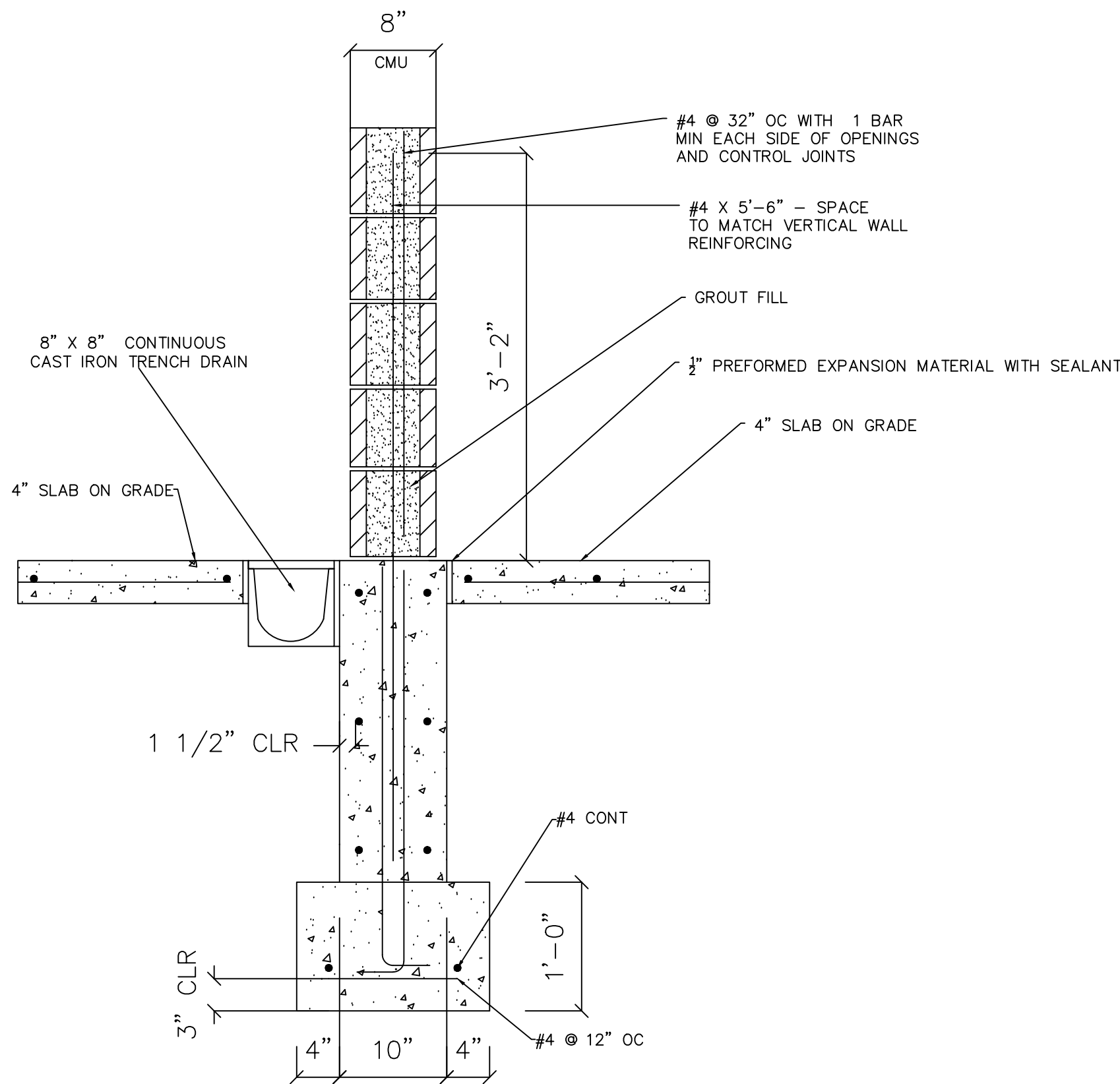
SHEET NAME

STRUCTURAL
DETAILS

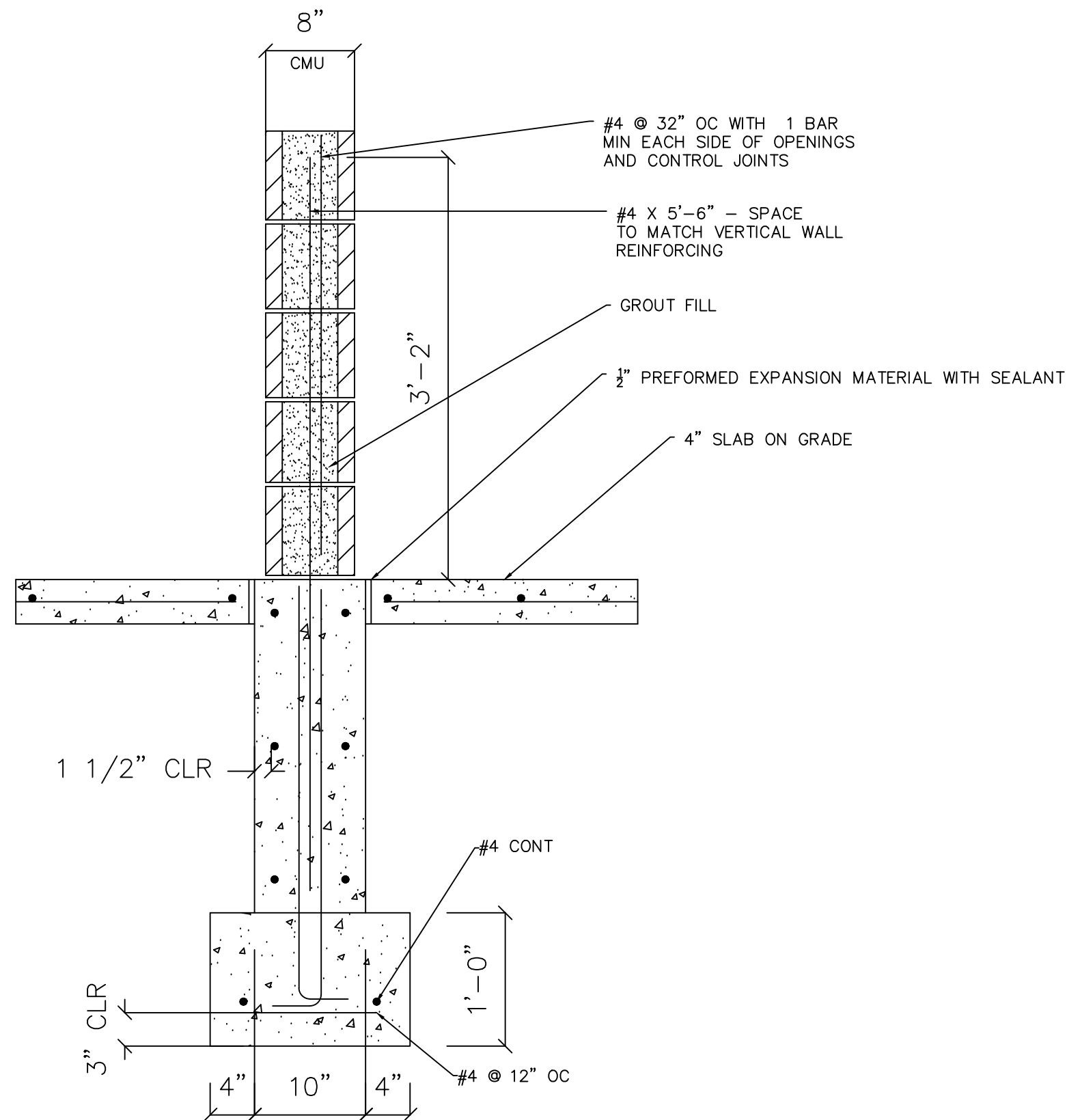
SHEET NO.

S-502

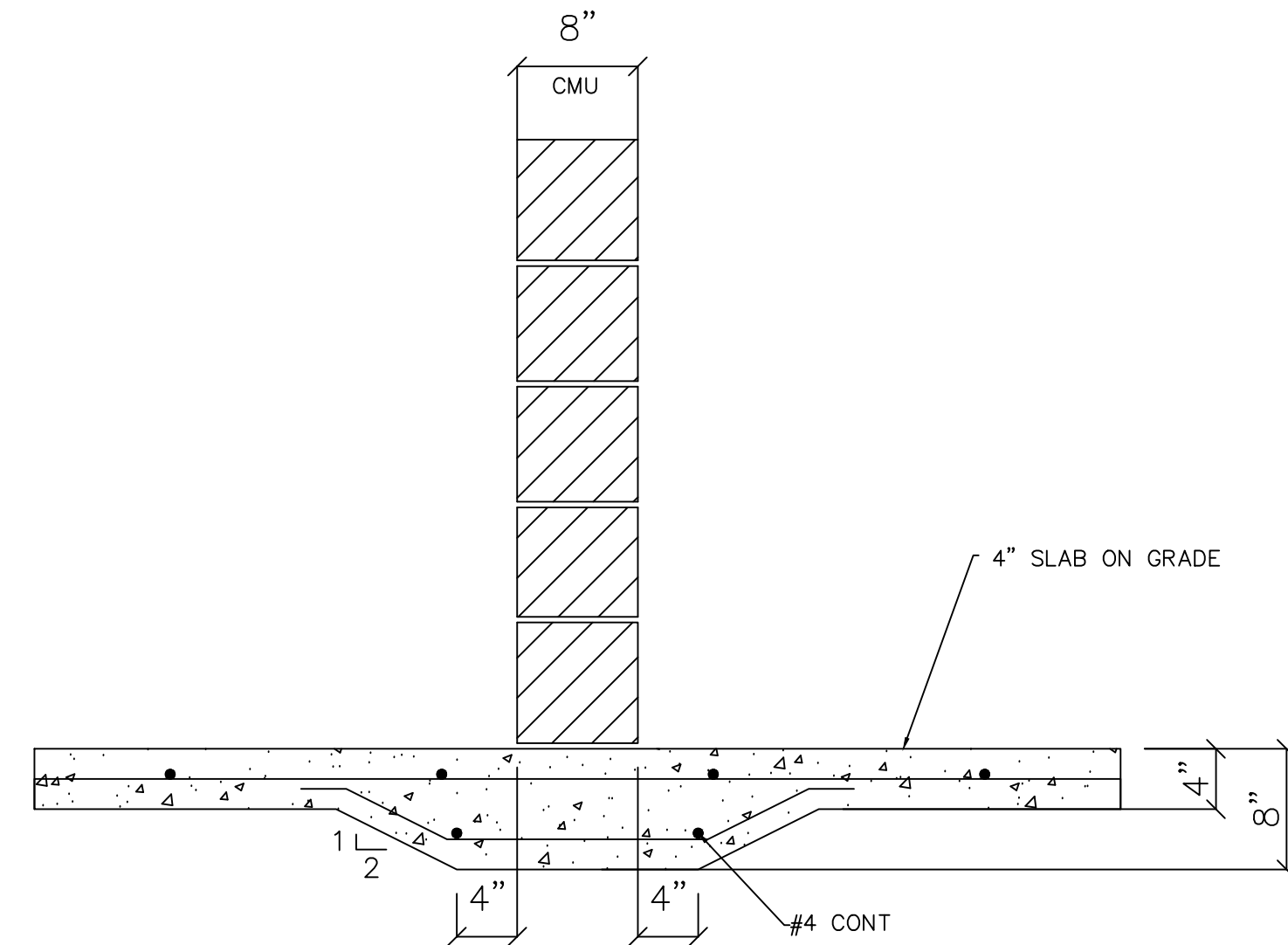
700 W GROVE ST
MAQUOKETA, IA 52060



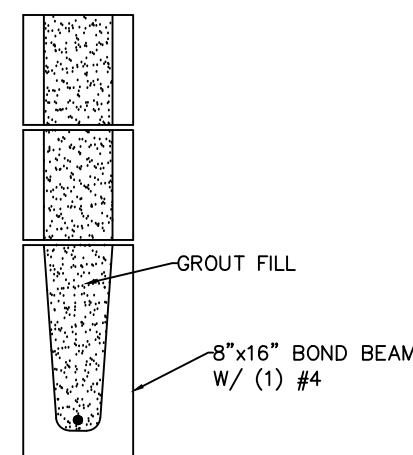
1 FOUNDATION DETAIL TRENCH DRAIN
SCALE: N.T.S.



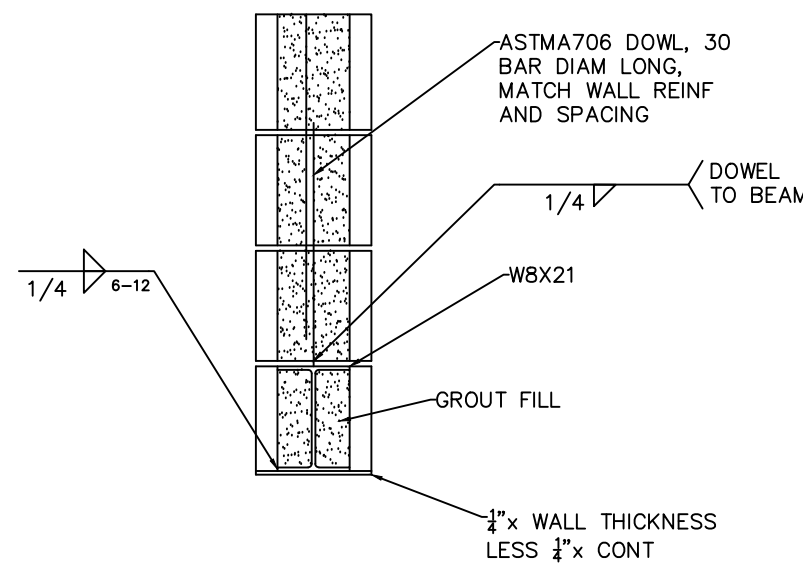
2 FOUNDATION DETAIL
SCALE: N.T.S.



3 THICKENED SLAB DETAIL
SCALE: N.T.S.



4 DOOR LINTEL
SCALE: N.T.S.



5 CONCESSION/GARAGE DOOR LINTEL DETAIL
SCALE: N.T.S.

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITES

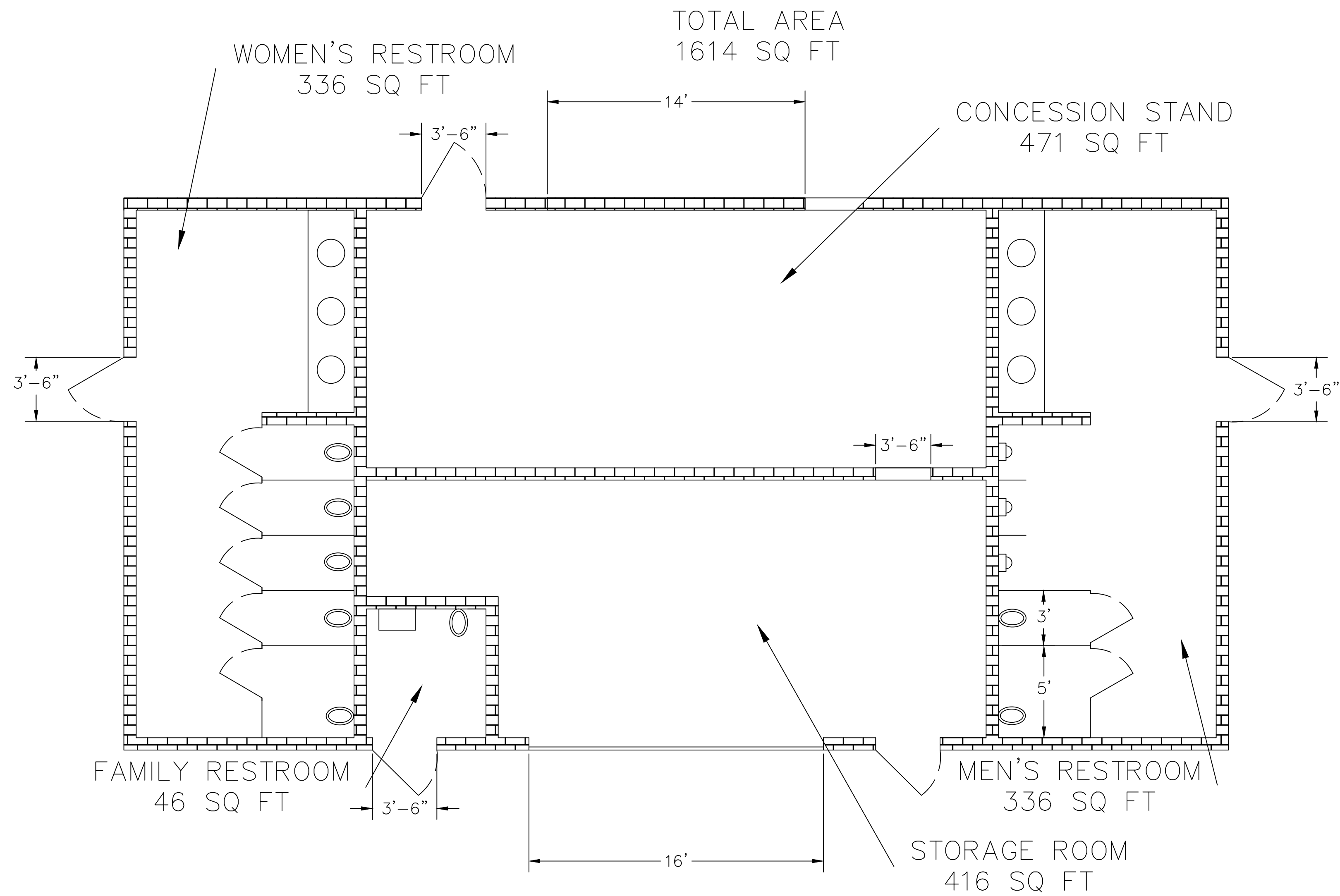
MAQUOKETA, IA 52060

SHEET NAME

CONCESSION
DETAILS

SHEET NO.

S-503



PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITES

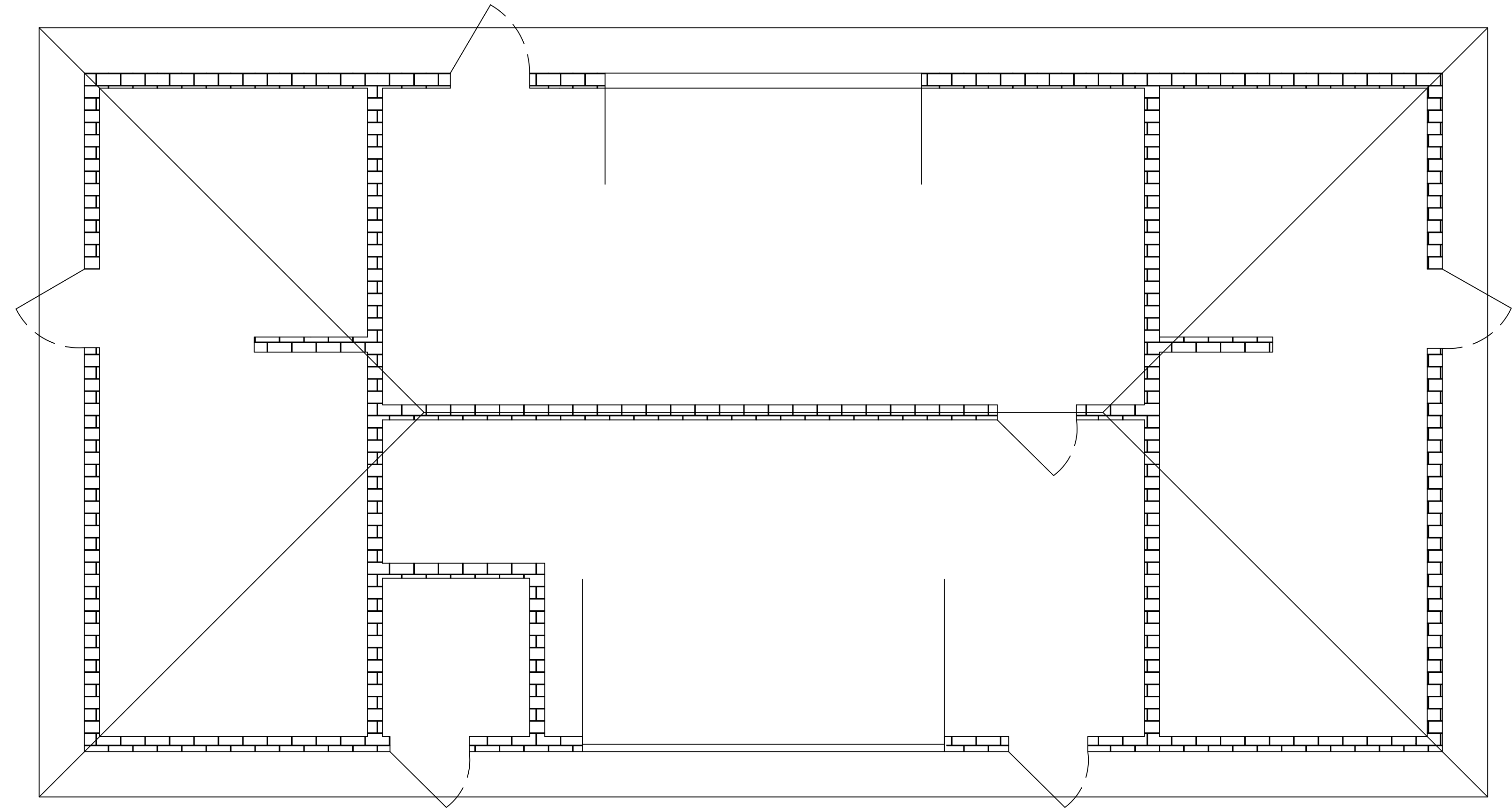
MAQUOKETA, IA 52060

SHEET NAME

CONCESSION
LAYOUT

SHEET NO.

A-101



4 Architectural Roof Plan
SCALE: N.T.S.

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA

CIVIL AND ENVIRONMENTAL ENGINEERING

4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITES

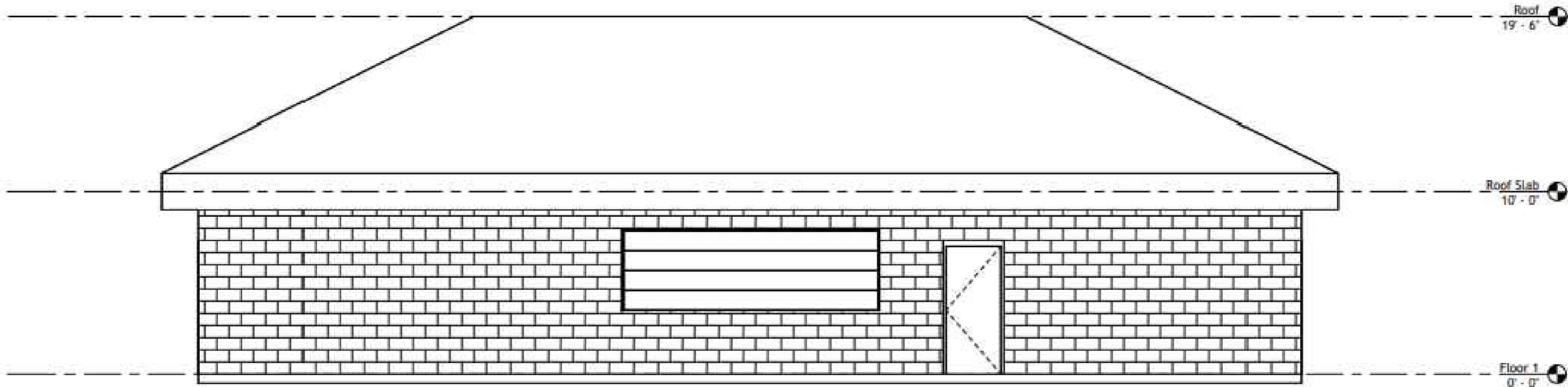
700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

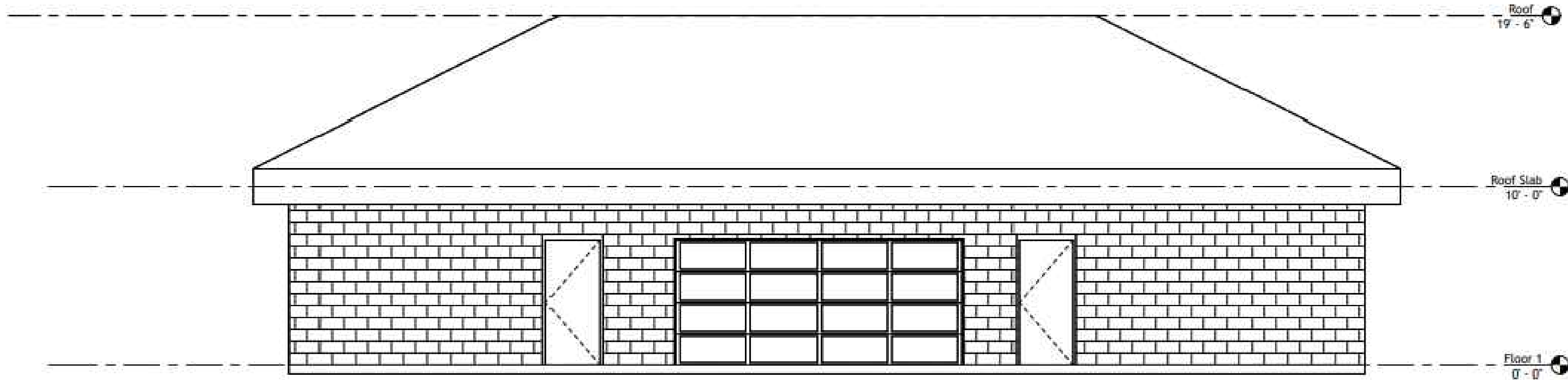
ARCHITECTURAL
ROOF PLAN

SHEET NO.

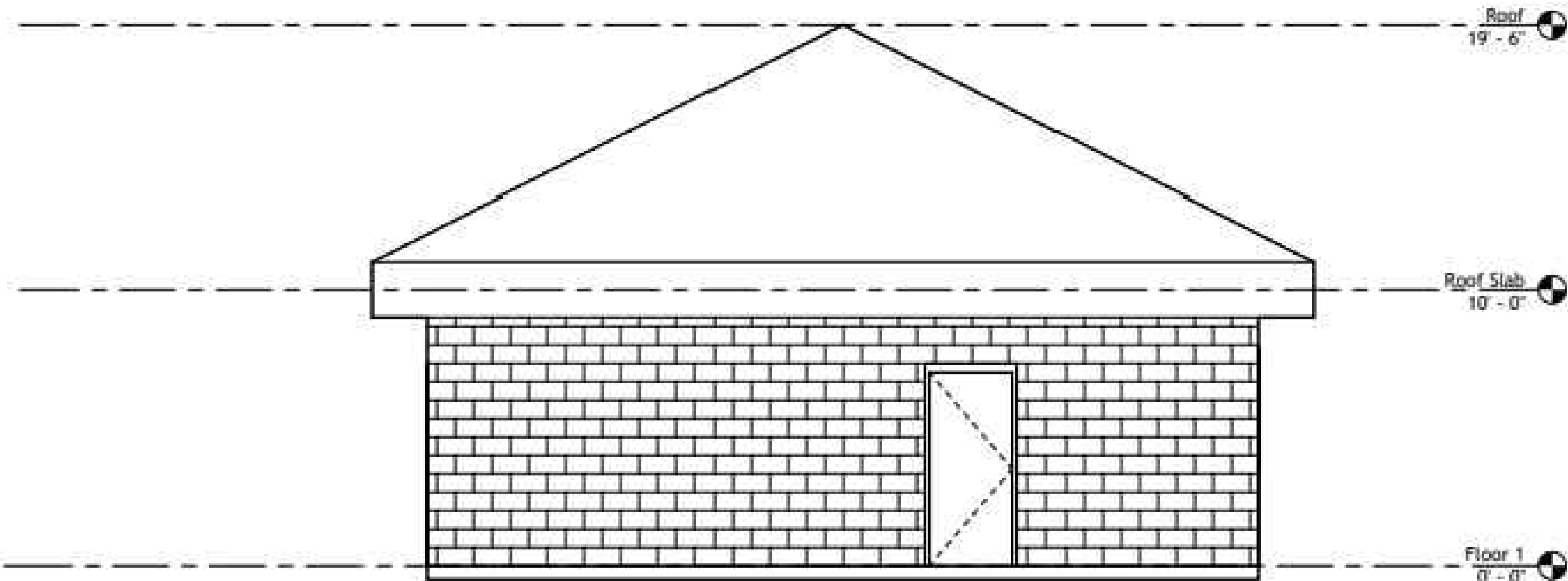
A-102



1 North Architectural Building Elevation
1/4" = 1'-0"



2 South Architectural Building Elevation
1/4" = 1'-0"



3 East Architectural Building Elevation
1/4" = 1'-0"

PROJECT:	CEE: 4850
DATE :	04/10/2026
DRAWN BY:	GRNL ENGINEERING
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

EDUCATIONAL - NOT
FOR CONSTRUCTION

QUADPLEX SITES

700 W GROVE ST
MAQUOKETA, IA 52060

SHEET NAME

CONCESSION
SECTION VIEW

SHEET NO.

A-201