

SYNTHETIC TURF FIELD REPLACEMENT

AT

CHARLES D. OWEN HIGH SCHOOL
99 LAKE EDEN ROAD
BLACK MOUNTAIN, NC 28711

FOR

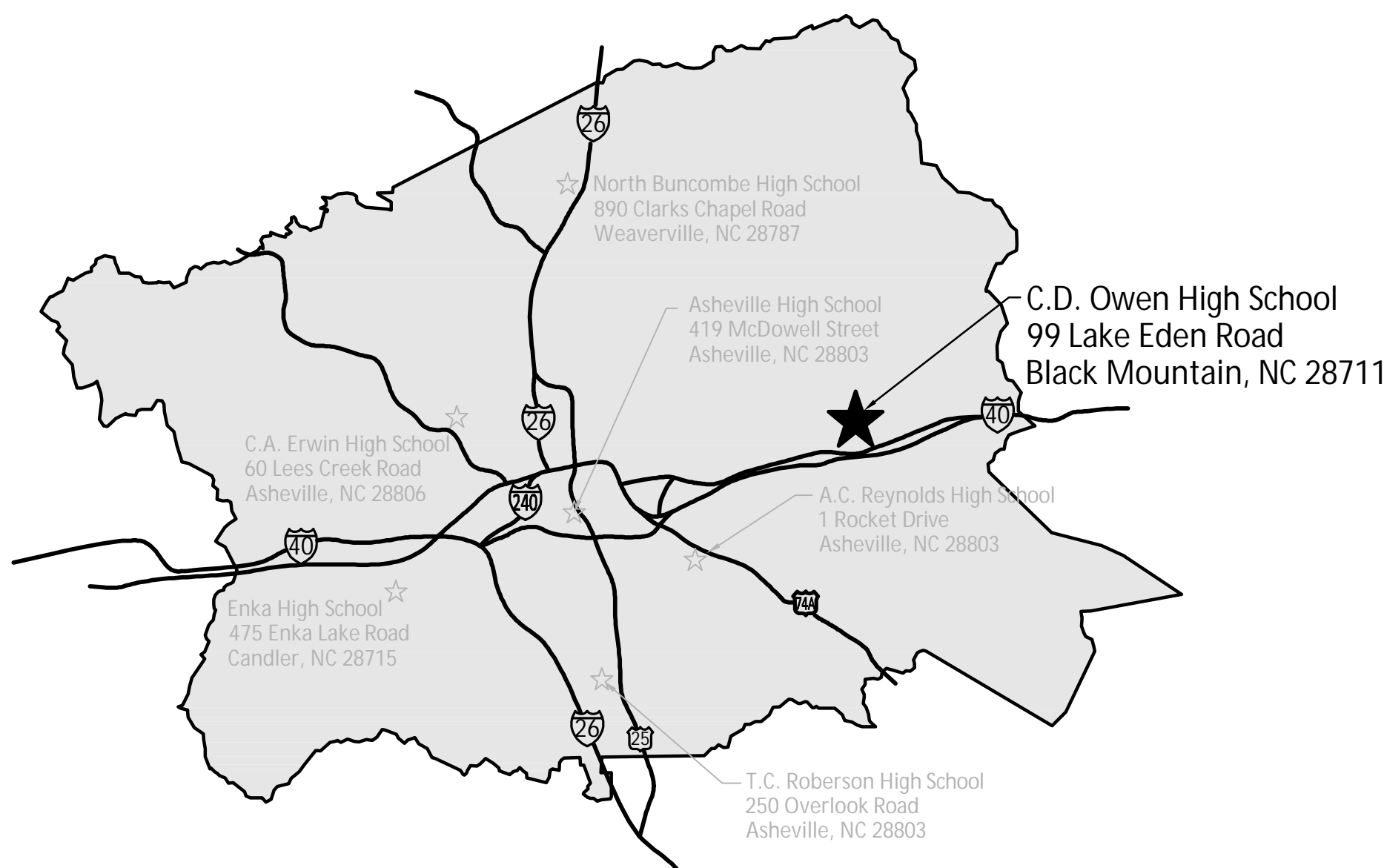
BUNCOMBE COUNTY SCHOOLS
175 BINGHAM ROAD
ASHEVILLE, NC 28806

CHA PROJECT NUMBER - 31080

CONSTRUCTION DRAWINGS - ISSUED FOR BID

MARCH 16, 2016

LOCATION MAP



PROJECT CONTACTS

OWNER

BUNCOMBE COUNTY SCHOOLS
175 BINGHAM ROAD
ASHEVILLE, NC 28806
P: (828) 255-5916

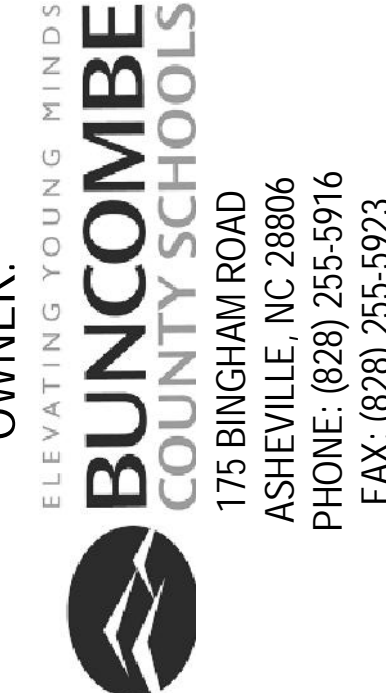
TIM FIERLE, DIRECTOR
E: tim.fierle@bcsemail.org

PRIME CONSULTANT

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811 WEST HARGETT STREET
RALEIGH, NC 27603-1603
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ED O'HARA, VICE PRESIDENT
E: ehara@chacompanies.com

CONN WHITE, CONSTRUCTION ADMINISTRATION
E: jwhite@chacompanies.com



CHARLES D. OWEN HIGH SCHOOL
99 LAKE EDEN ROAD
BLACK MOUNTAIN, NC 28711



SYNTHETIC TURF
FIELD REPLACEMENT

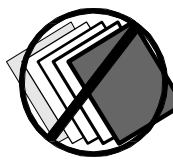
Sheet List Table	
Sheet Number	Sheet Title
G-000	COVER SHEET
--	TOPOGRAPHIC SURVEY
SR-100	FIELD SITE PLAN
SR-150	FIELD UTILITY PLAN
SR-200	ATHLETIC FIELD STRIPING AND LAYOUT DETAILS
SR-210	FOOTBALL FIELD STRIPING AND LAYOUT DETAILS
SR-220	SOCCER FIELD STRIPING AND LAYOUT DETAILS

DO NOT BREAK THESE DOCUMENTS INTO PARTS OR SUB-PARTS

BUNCOMBE COUNTY SCHOOLS, CHA CONSULTING, INC., AND ALL MEMBERS OF THE DESIGN TEAM SHALL NOT ACCEPT RESPONSIBILITY FOR THE SEPARATION OF THESE DOCUMENTS BY ANY ENTITY OF THE CONTRACTING INDUSTRY.

EACH CONTRACTING ENTITY SHALL BE RESPONSIBLE FOR ALL WORK RELATED TO THEIR TRADES WHEREVER THAT WORK MAY BE SHOWN WITHIN THE CONTRACT DOCUMENTS.

DO NOT DUPLICATE



CONTENT IS PROTECTED BY APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND SHALL REMAIN THE PROPERTY OF CHA CONSULTING, INC., AND ALL AFFILIATES, AS INSTRUMENTS OF SERVICE.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL QUANTITY TAKEOFFS. REFERENCES TO QUANTITIES INDICATED ON THESE PLANS SHALL BE FOR REFERENCE ONLY AND SHALL BE CONFIRMED BY CONTRACTOR DURING BIDDING PROCESS.

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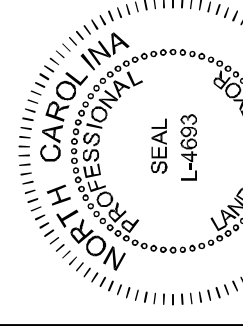
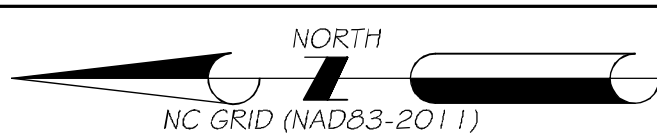
No.	Date	Submittal / Revision	Appr'd. By

COVER SHEET

Designed By: JCW	Drawn By: JCW	Checked By: EJO
Issue Date: 03/16/16	Project No: 31080	Scale: AS NOTED

Drawing No.:

G-000



14693
 SCALE: 1" = 20'
 20' 10' 0' 20' 40' 60'

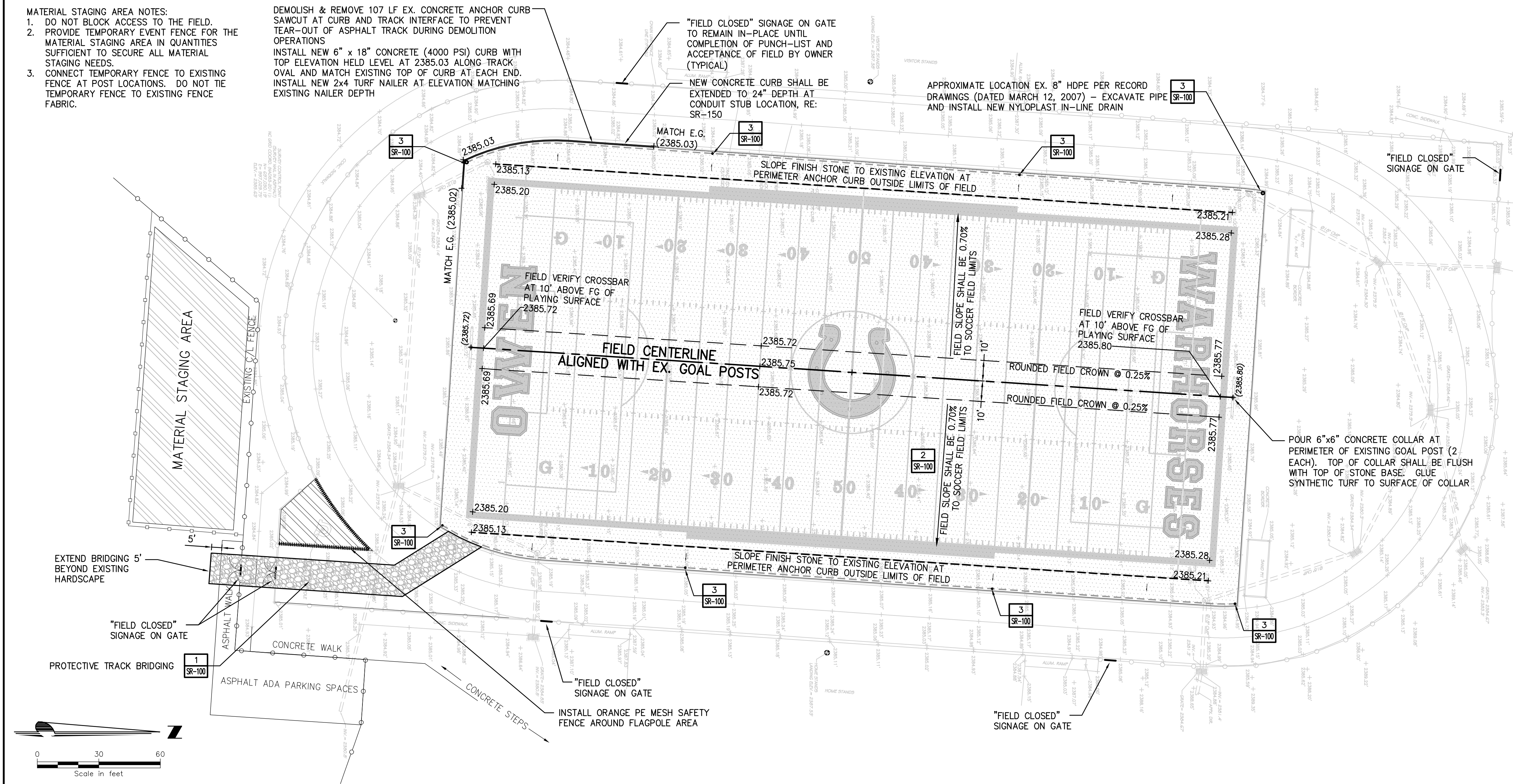
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TOPOGRAPHIC SURVEY FOR:

CHARLES D OWEN HIGH SCHOOL

Phone: 9699-76-5989
BLACK MOUNTAIN TOWNSHIP
BUNCOMBE COUNTY, N.C.

DATE: 12-08-2013
PROJECT #: 11764
DRAWING #: G-15-3640
DRAWN BY: JBW
SCALE: 1" = 20'



USE OF OWNER'S EXISTING STADIUM SPORTS LIGHTING SYSTEM NOTES

OWEN HIGH SCHOOL STADIUM SPORTS LIGHTING SYSTEM IS AVAILABLE FOR CONTRACTOR USE DURING THE INSTALLATION OF THE SYNTHETIC TURF INFILL, ONLY. LIGHTS SHALL BE OPERATED DURING THE ACTUAL CONDUCT OF THE INFILL OPERATIONS AND SHALL NOT BE LEFT BURNING AT ANY OTHER TIME. FAILURE TO COMPLY WITH THIS AVAILABILITY LIMITATION SHALL RESULT IN THE TERMINATION OF THE USE OF THE EXISTING SPORTS LIGHTING SYSTEM.

SITE AND PROJECT GENERAL NOTES

- MATERIAL, EQUIPMENT, OR OTHER FEATURES REQUIRED FOR THE COMPLETION OF THIS PROJECT SHALL NOT BE STORED, LEFT UNATTENDED OR UNSECURED WITHIN THE EXISTING TRACK AREA OR OTHER AREAS NOT SPECIFICALLY DESIGNATED FOR CONTRACTOR USE BY BUNCOMBE COUNTY SCHOOLS OR CHARLES D. OWEN HIGH SCHOOL ADMINISTRATION.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TEMPORARY STORAGE AREAS AND SECURITY OF STORAGE AREAS AND MAKE THE NECESSARY PROVISIONS TO SECURE AND PROTECT ALL EQUIPMENT AND MATERIALS DELIVERED TO THE PROJECT SITE FOR THIS PROJECT.
- ALL SURPLUS MATERIAL, WASTE, PACKAGING AND DEBRIS GENERATED BY THE PROJECT SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED IN ACCORDANCE WITH REGULATIONS GOVERNING SUCH DISPOSAL, AT NO ADDITIONAL COSTS TO THE OWNER.
- CONTRACTOR SHALL SAVE AND PROTECT ALL EXISTING IMPROVEMENTS AND APPURTENANCES ON THE CAMPUS OF CHARLES D. OWEN HIGH SCHOOL THROUGHOUT CONSTRUCTION ON THE PROJECT.
- THESE CONSTRUCTION DOCUMENTS ARE BASED ON COORDINATES AND ELEVATIONS SHOWN ON THE SURVEY PROVIDED TO CHA CONSULTING, INC. BY BUNCOMBE COUNTY SCHOOLS. SURVEY COMPLETED BY McABEE & ASSOCIATES, P.A.; 3 McABEE TRAIL; FAIRVIEW, NC 28730; P: 828-628-1295; W: WWW.McABEESURVEY.COM.

ATHLETIC FIELD GAME LINES, MARKINGS & LOGO GENERAL NOTES

- ALL COMPONENTS OF THE TURF SYSTEM SHALL CONFORM TO THE CONTRACT DOCUMENT REQUIREMENTS
- FOOTBALL FIELD GAME LINES SHALL BE CENTERED UPON THE LOCATIONS OF THE EXISTING GOAL POSTS. FIELD INSTALLATION SHALL BE FIELD VERIFIED TO CONFORM TO EXISTING FOOTBALL GOAL POST CROSSBAR LOCATION, ORIENTATION, AND VERTICAL DIMENSION RELATIVE TO END LINE OF FOOTBALL FIELD.
- ALL GAME LINES ARE BASED ON LOCATION OF FOOTBALL FIELD GAME LINES
- FOOTBALL FIELD SHALL EMPLOY A SINGLE TURF COLOR (FIELD GREEN)
- FIELD MARKINGS IN ORDER OF DOMINANCE:
 - FOOTBALL FIELD - WHITE (#1000)
 - SOCCER FIELD - MAROON (PMS 505c)
- 50 YARD LINE / MIDFIELD AND 20-YARD LINES SHALL BE STACKED 2" MAROON (PMS 505c), 4" WHITE, 2" MAROON (PMS 505c) TUFTED LINE
- FOOTBALL FIELD YARD LINE NUMBERS SHALL BE GETTY / PRO STYLE, WHITE FIELD WITH 3" MAROON (PMS 505c) BORDER
- YARD LINES, SIDE LINES, GOAL LINES, END LINES, COACHES AREA / TEAM BOX AND OTHER LINES SHALL BE TUFTED TO THE MAXIMUM EXTENT PRACTICAL
- TUFTED LINES SHALL BE LOCATED IN THE CENTER-THIRD PORTION OF THE TURF ROLL, TO THE MAXIMUM EXTENT PRACTICAL, TO PREVENT DEFORMATION OF LINES DURING TURF SYSTEM INSTALLATION
- ALL TURF ROLLS SHALL BE 15'-0" IN WIDTH UNLESS APPROVED, IN WRITING, BY THE SPORTS FIELD DESIGNER
- ROLL REMNANTS ARE ACCEPTABLE FOR USE IN AREAS AS APPROVED, IN WRITING, BY THE SPORTS FIELD DESIGNER
- WHERE FOOTBALL FIELD LINES INTERSECT LOGOS AND ENDZONE MARKINGS PROVIDE 1/2" (2 WIRES) OF GRAY (#9250)
- LOGOS AND ARTWORK SHALL BE OBTAINED FROM THE OWNER FOR FORMAL APPROVAL AND FABRICATION
- ALL TURF COLORS, FIELD AND BRAND MARKINGS SHALL BE SUBMITTED AND APPROVED PRIOR TO ANY FABRICATION

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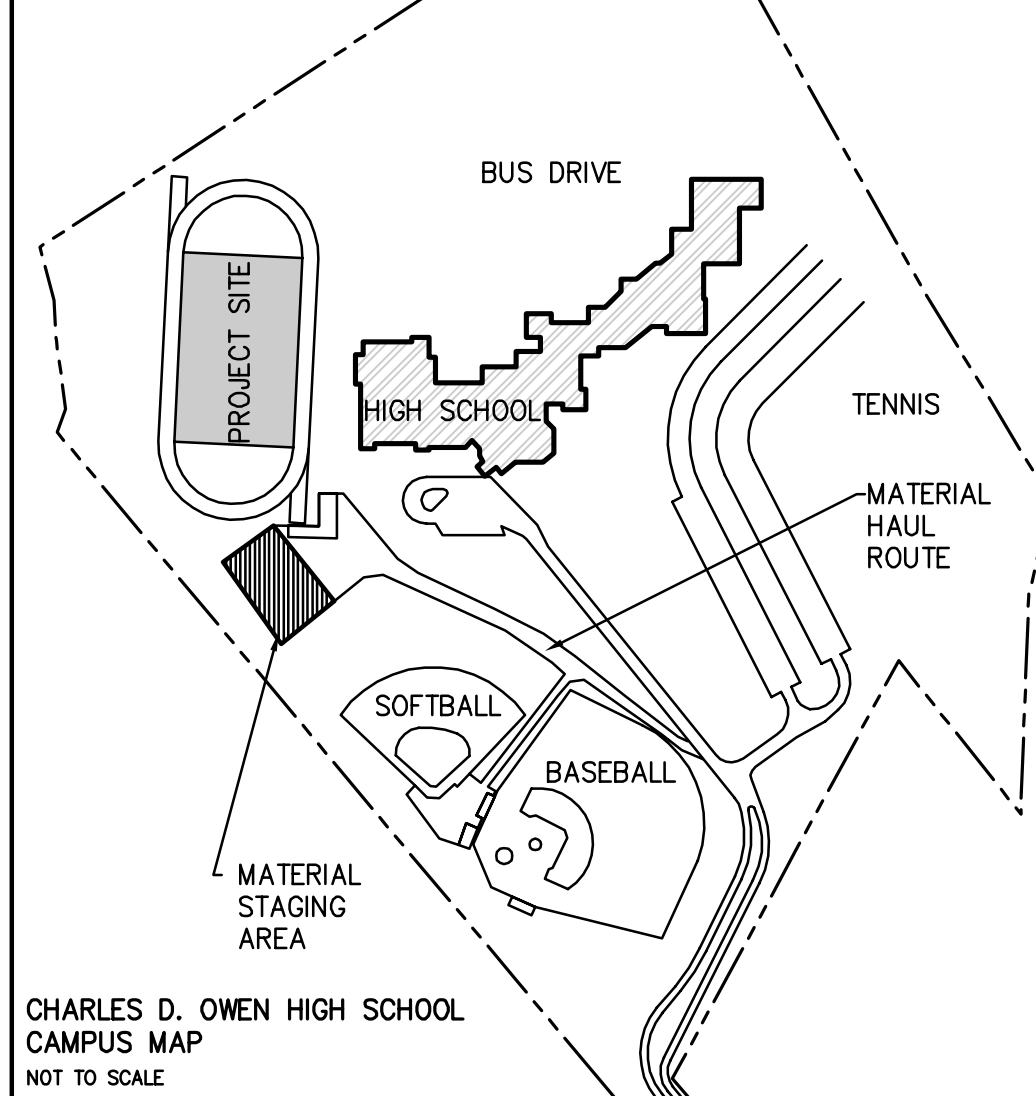
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North Carolina 811
www.nc811.org

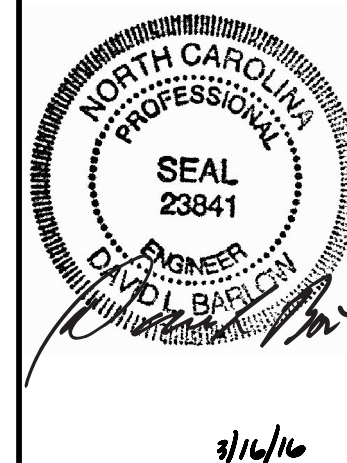


FIELD STONE BASE GENERAL NOTES

- CONTRACTOR SHALL SAVE AND PROTECT EXISTING STONE BASE TO THE MAXIMUM EXTENT PRACTICAL.
- CONTRACTOR SHALL INCLUDE IN THE BID PROPOSAL AN ALLOWANCE UNIT PRICE FOR SUPPLEMENTAL TOPPING STONE FOR ADJUSTMENT TO EXISTING STONE BASE SLOPES, GRADES AND PLANARITY. TOTAL QUANTITY TO BE INCLUDED IN THE BID PROPOSAL SHALL BE 230 TONS. AMOUNT USED IN EXCESS OF THE ALLOWANCE QUANTITY SHALL BE ADDED TO THE CONTRACT PRICE BY CHANGE ORDER. UNUSED QUANTITIES SHALL BE DEDUCTED FROM THE CONTRACT PRICE BY CHANGE ORDER.
- TOPPING STONE, CONFORMING TO TECHNICAL SPECIFICATIONS, SHALL BE USED TO SUPPLEMENT THE EXISTING STONE BASE AND PROVIDE FIELD PLANARITY TO CONFORM TO TECHNICAL SPECIFICATIONS PRIOR TO INSTALLATION OF NEW SYNTHETIC TURF.
- CONTRACTOR SHALL SUBMIT A CERTIFIED FIELD BASE SURVEY FOR REVIEW AND APPROVAL BY THE SPORTS FIELD DESIGNER/ENGINEER PRIOR TO INSTALLATION OF NEW SYNTHETIC TURF FIELD SURFACING.
- ELEVATIONS SHOWN ARE FOR REFERENCE. CONTRACTOR SHALL FIELD VERIFY AND ESTABLISH CENTERLINE CROWN GRADE AND ELEVATION BETWEEN EACH GOAL POST TO CONFORM TO CORRECT ELEVATION RELATIVE TO EXISTING CROSSBAR HEIGHT (10') ABOVE PLAYING SURFACE AND SMOOTH CONSISTENT CROWN. CONTRACTOR SHALL ESTABLISH GRADES OF GAME FIELD SIDELINES AND ENDLINES BASED ON ACTUAL CENTERLINE ELEVATIONS WITH FIELD CROSS-SLOPES OF 0.70%. STONE BASE SHALL BE SLOPED TO MATCH EXISTING ELEVATION AT EXISTING PERIMETER CONCRETE ANCHOR CURB OUTSIDE THE LIMITS OF THE GAME FIELDS.

CHA
811 North Hargett Street
Raleigh, NC 27603
919.482.2280 • www.chacompanies.com

OWNER:
BUNCOMBE COUNTY SCHOOLS
ELEVATING YOUNG MINDS
175 BINGHAM ROAD
ASHEVILLE, NC 28806
PHONE: (828) 255-5916
FAX: (828) 255-5923



CHARLES D. OWEN HIGH SCHOOL
99 LAKE EDEN ROAD
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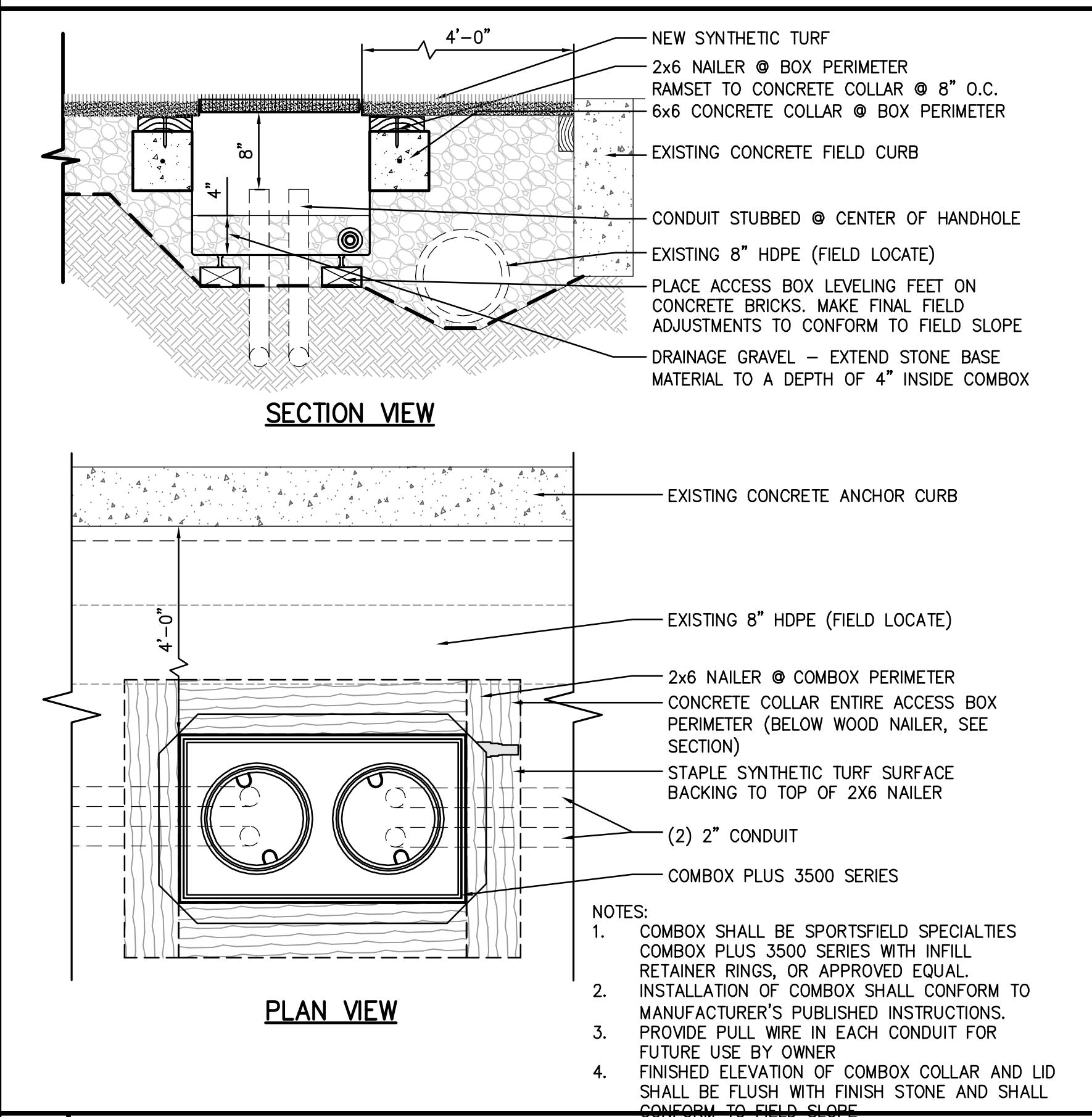
SYNTHETIC TURF
FIELD REPLACEMENT

No.	Date	Submitted / Revision	Approved By

FIELD SITE PLAN

Designed By: JCW	Drawn By: JCW	Checked By: EJO
Issue Date: 03/16/16	Project No: 31080	Scale: AS NOTED

Drawing No.:
SR-100



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Issue Date: 03/16/16	Project No: 31080	Scale: AS NOTED

TOTAL SYNTHETIC TURF FIELD SURFACING:
APPROXIMATELY 79,315 SF

VISITOR BLEACHER SEATING
FOR REFERENCE

TRACK OVAL
FOR REFERENCE



CONCRETE ANCHOR CURB
FOR REFERENCE

GOAL POST
FOR REFERENCE

LONG JUMP PIT
FOR REFERENCE

CONCRETE ANCHOR CURB
FOR REFERENCE

GOAL POST
FOR REFERENCE

LONG JUMP PIT
FOR REFERENCE

TRACK OVAL
FOR REFERENCE

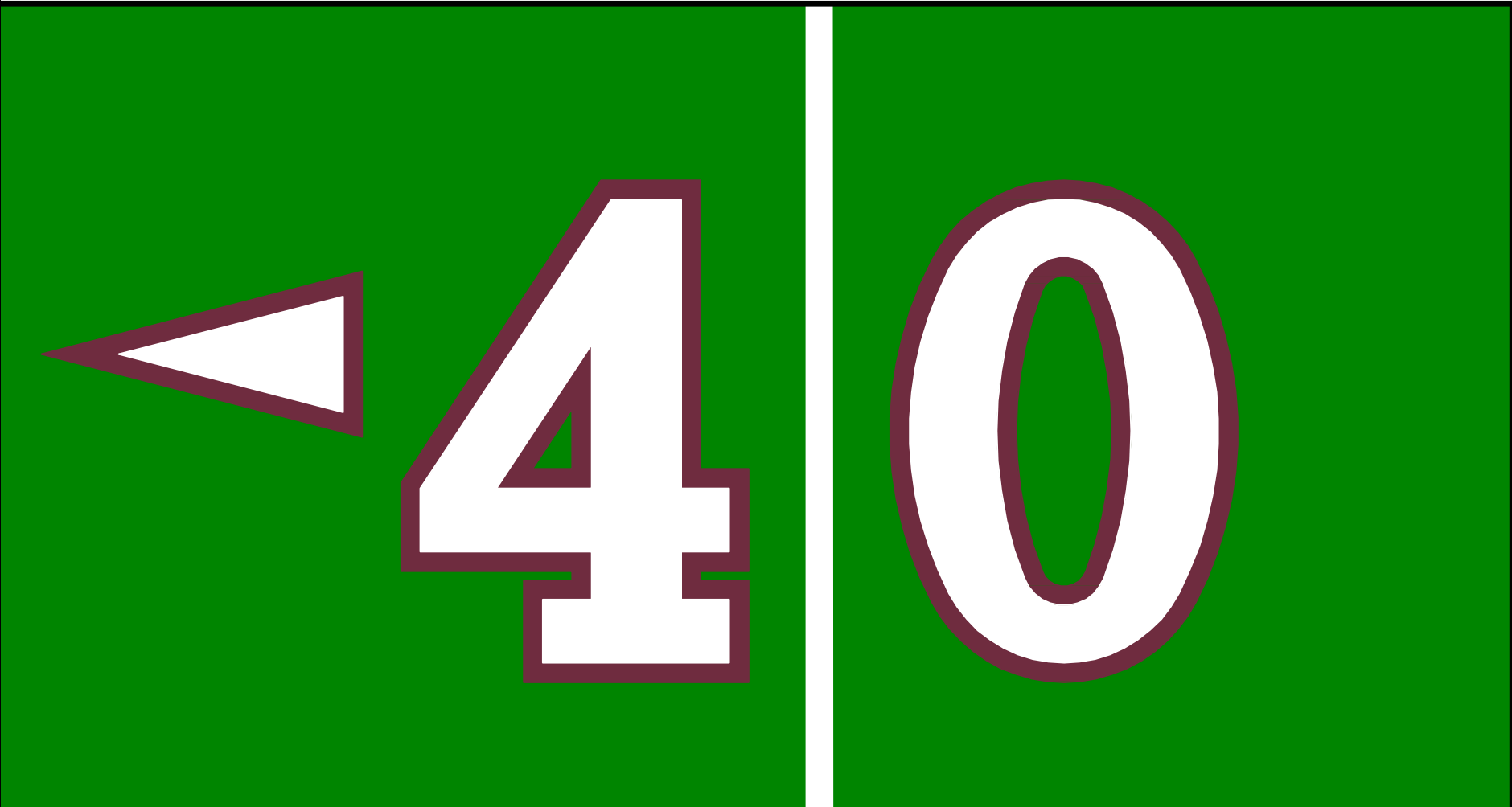
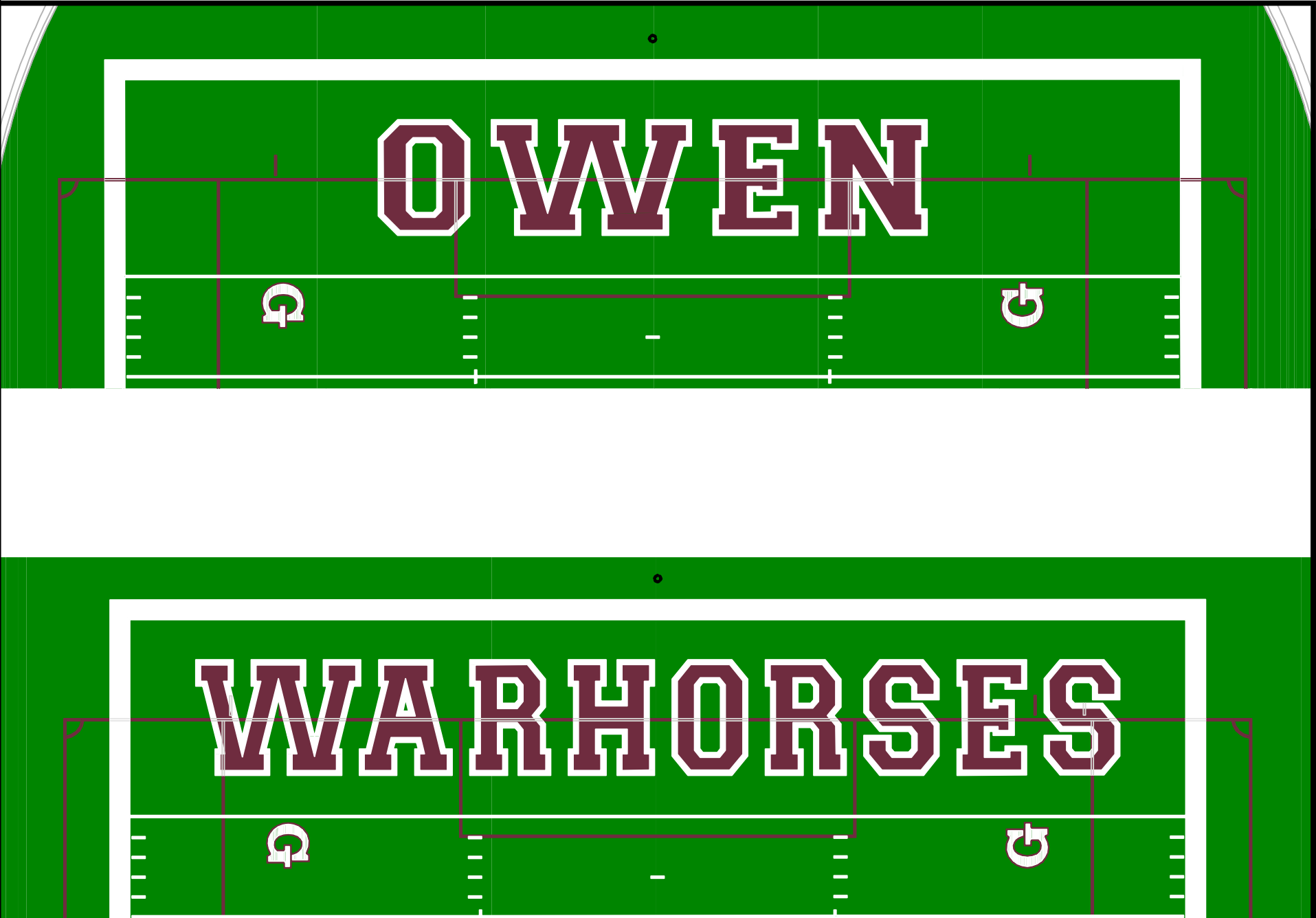
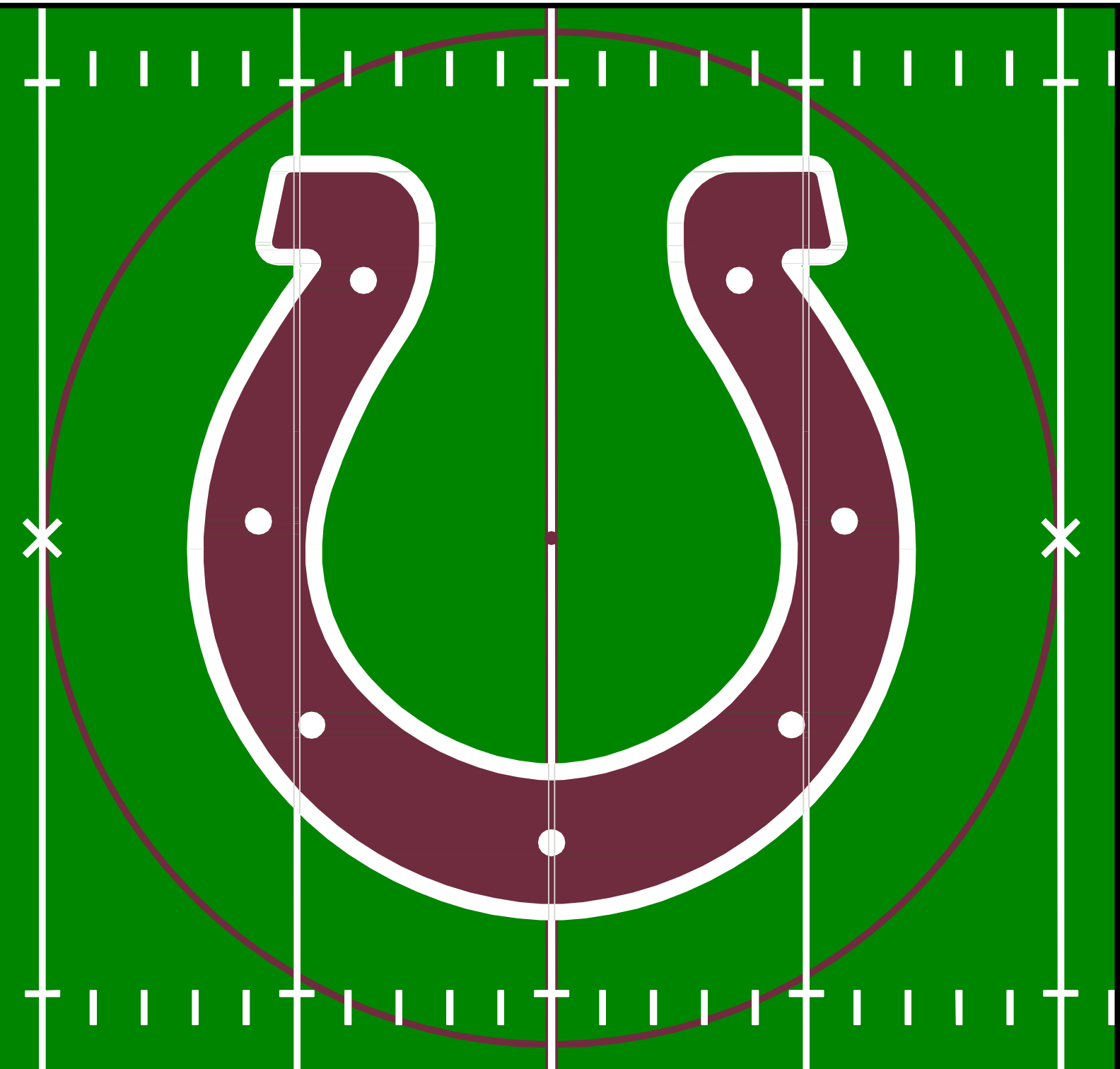
HOME BLEACHER SEATING
FOR REFERENCE

FIELD GREEN
(#8200)

MAROON
(PMS 505c)

WHITE
(#1000)

GRAY
(#9250)



1 MIDFIELD LOGO – FOR REFERENCE
SCALE: 1/8" = 1'-0"

2 ENDZONE GRAPHICS – FOR REFERENCE
SCALE: 1" = 20.0'

3 YARD LINE NUMBER – FOR REFERENCE
SCALE: 1/2" = 1'-0"

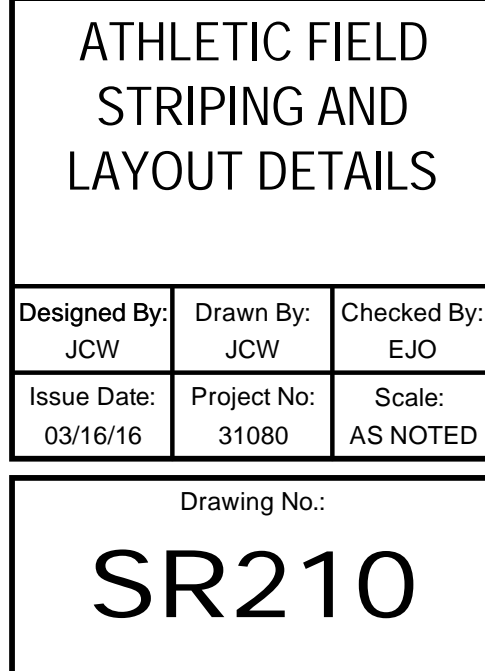
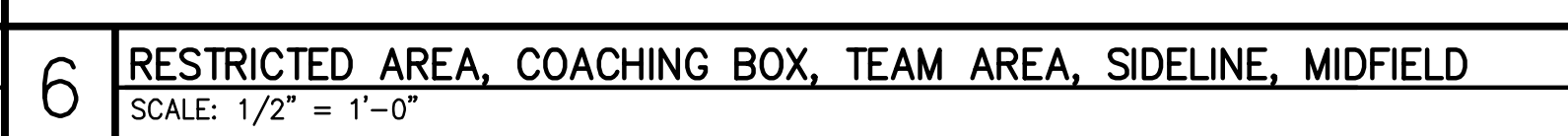
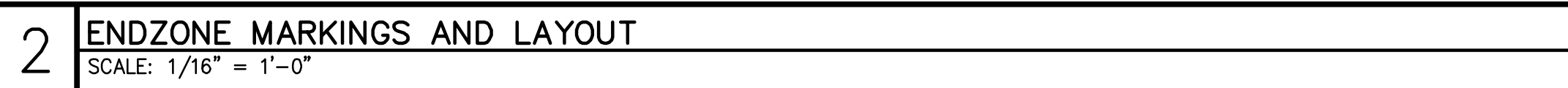
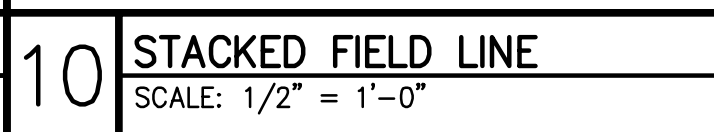
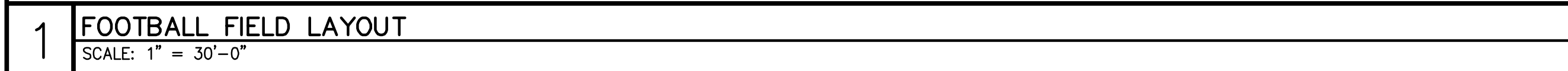


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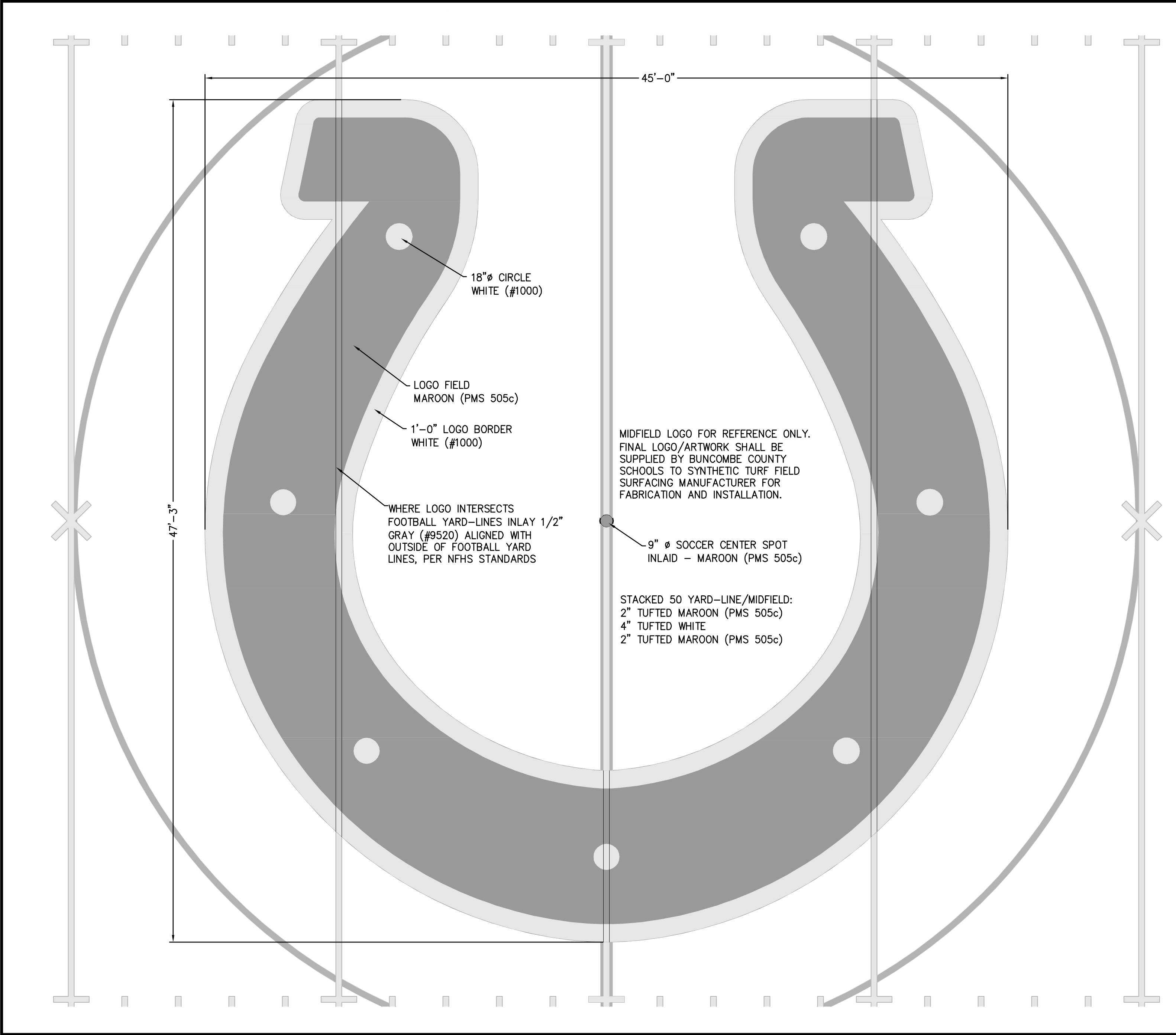
ATHLETIC FIELD
RENDERING

Designed By: JCW	Drawn By: JCW	Checked By: EJO
Issue Date: 03/16/16	Project No: 31080	Scale: AS NOTED

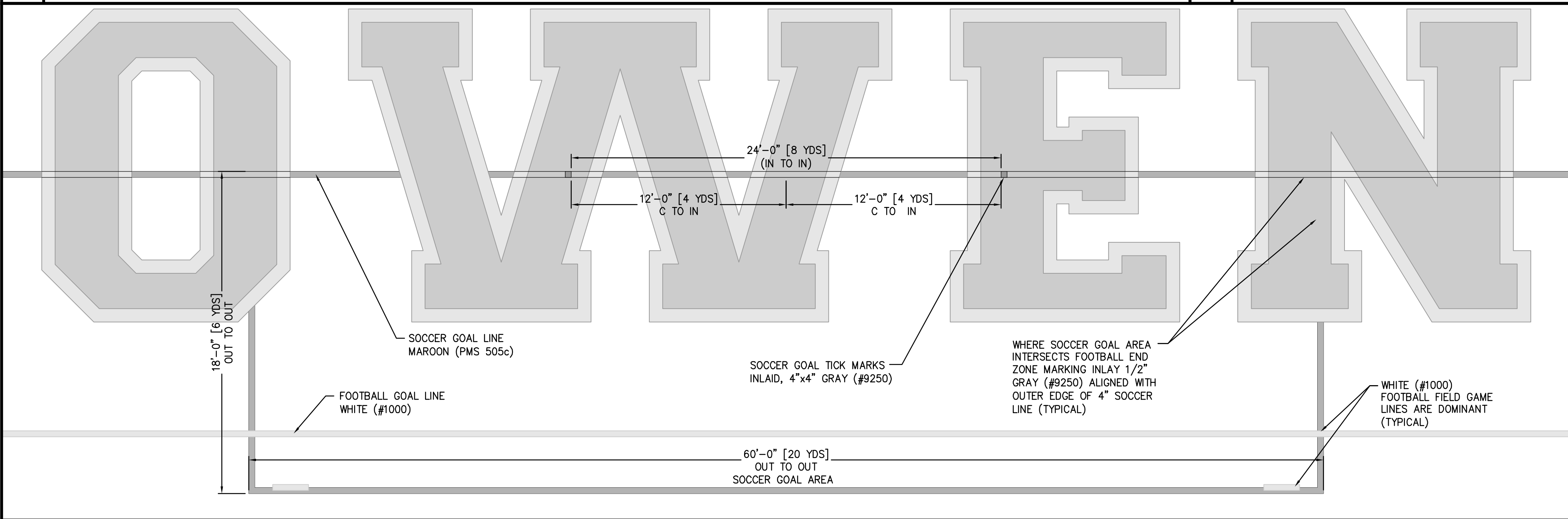
Drawing No.:
SR-200



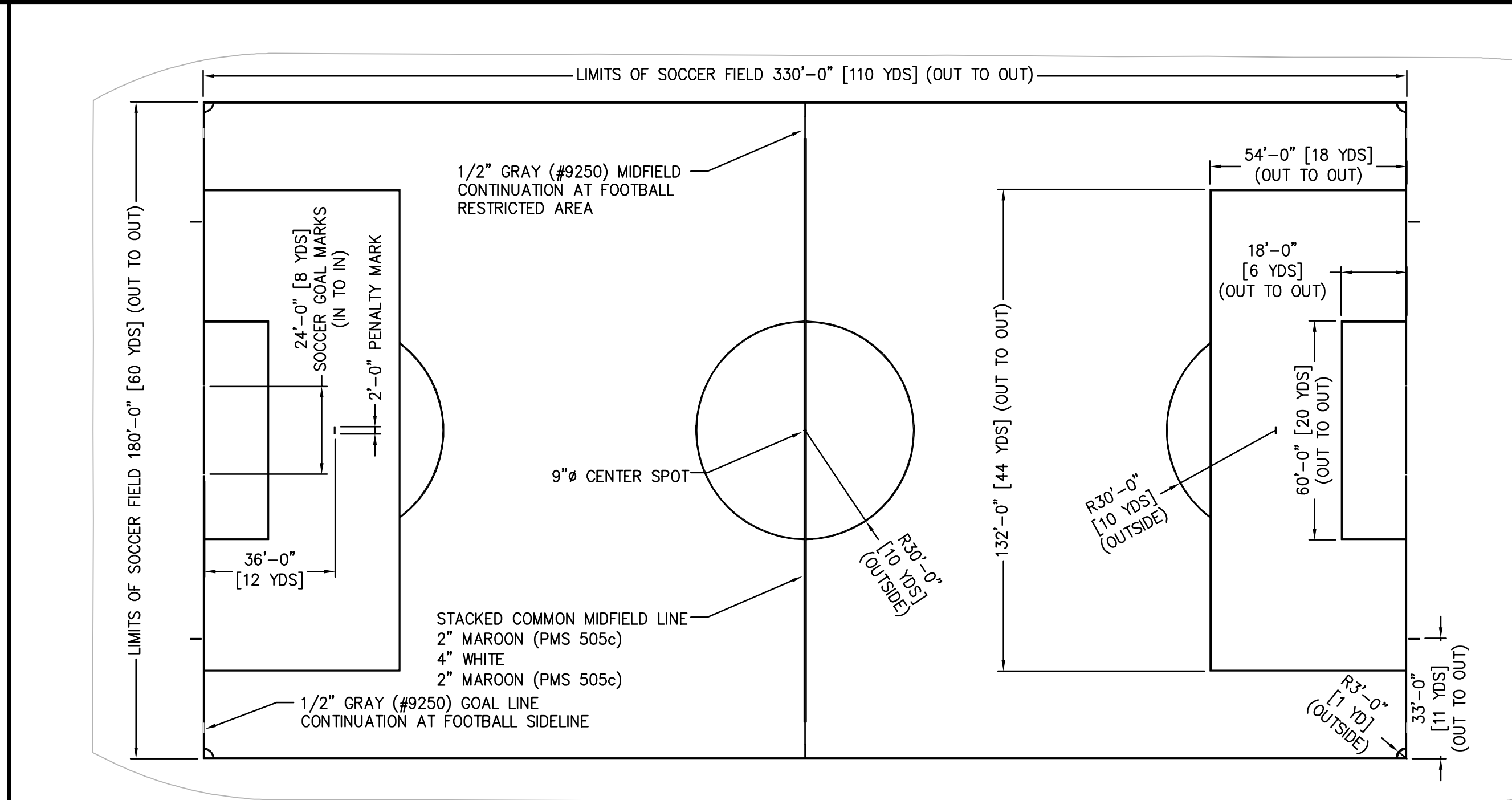
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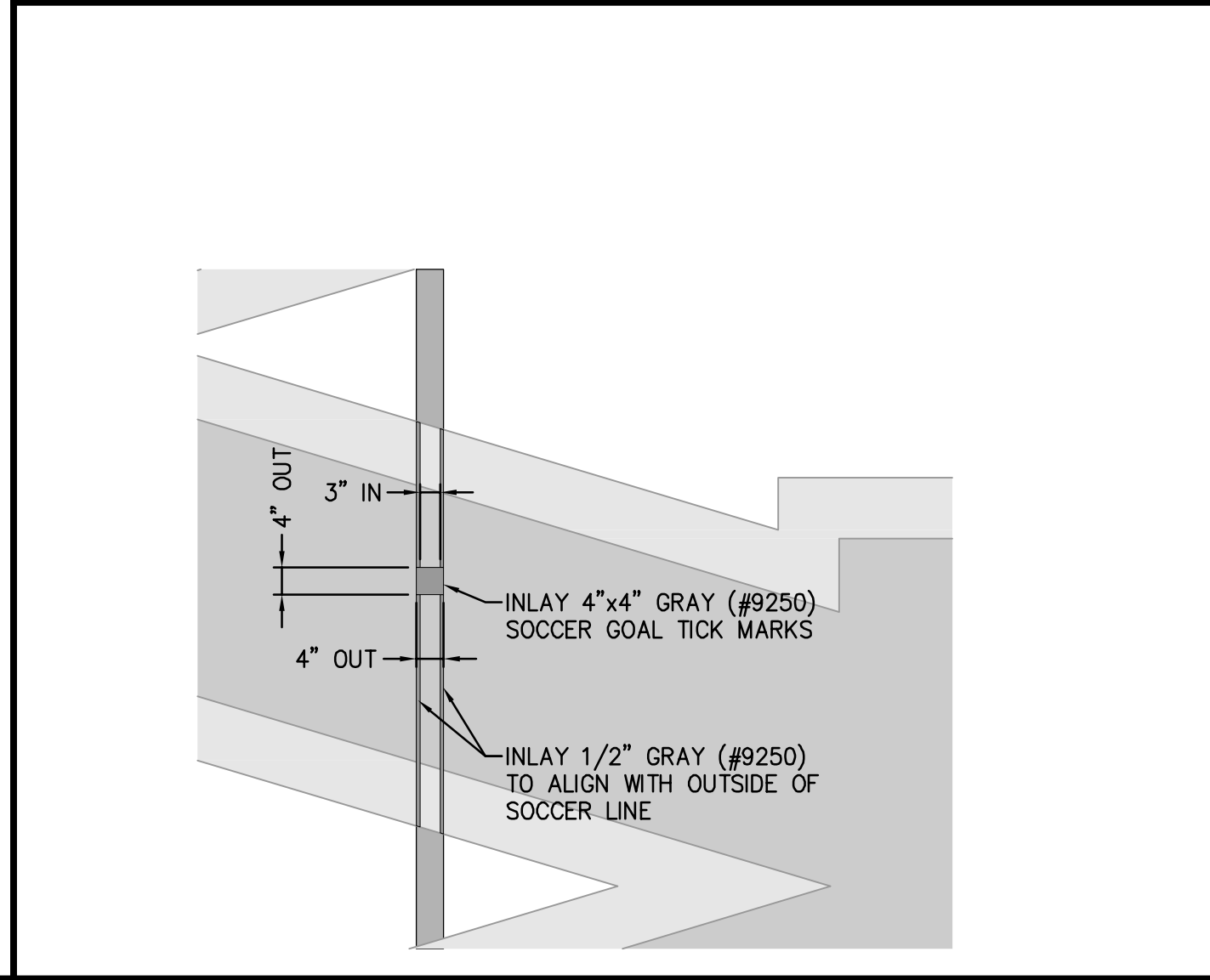
1 MIDFIELD LOGO
SCALE: 1/4" = 1'-0"



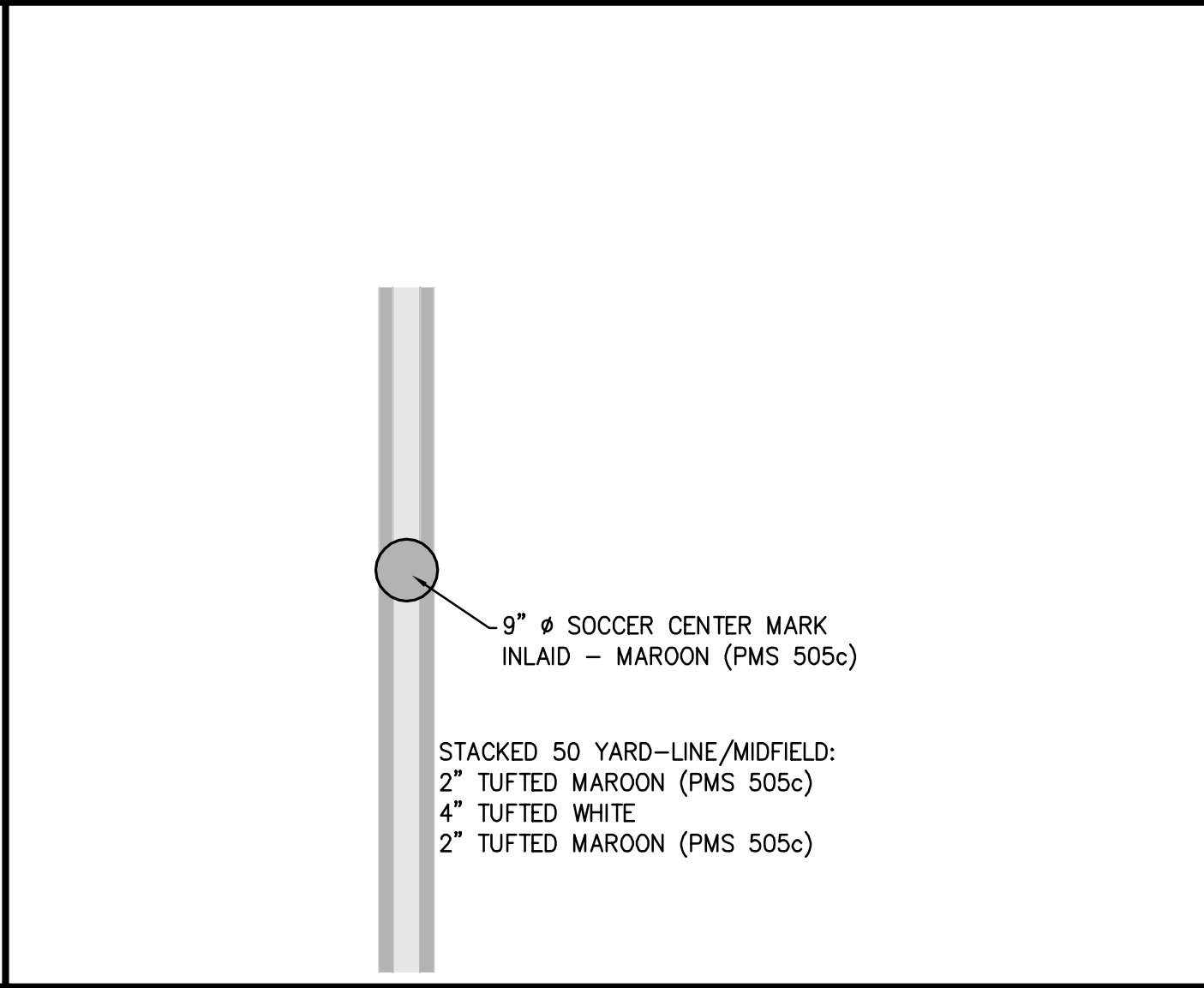
5 SOCCER GOAL AREA, FOOTBALL END ZONE
SCALE: 1/4" = 1'-0"



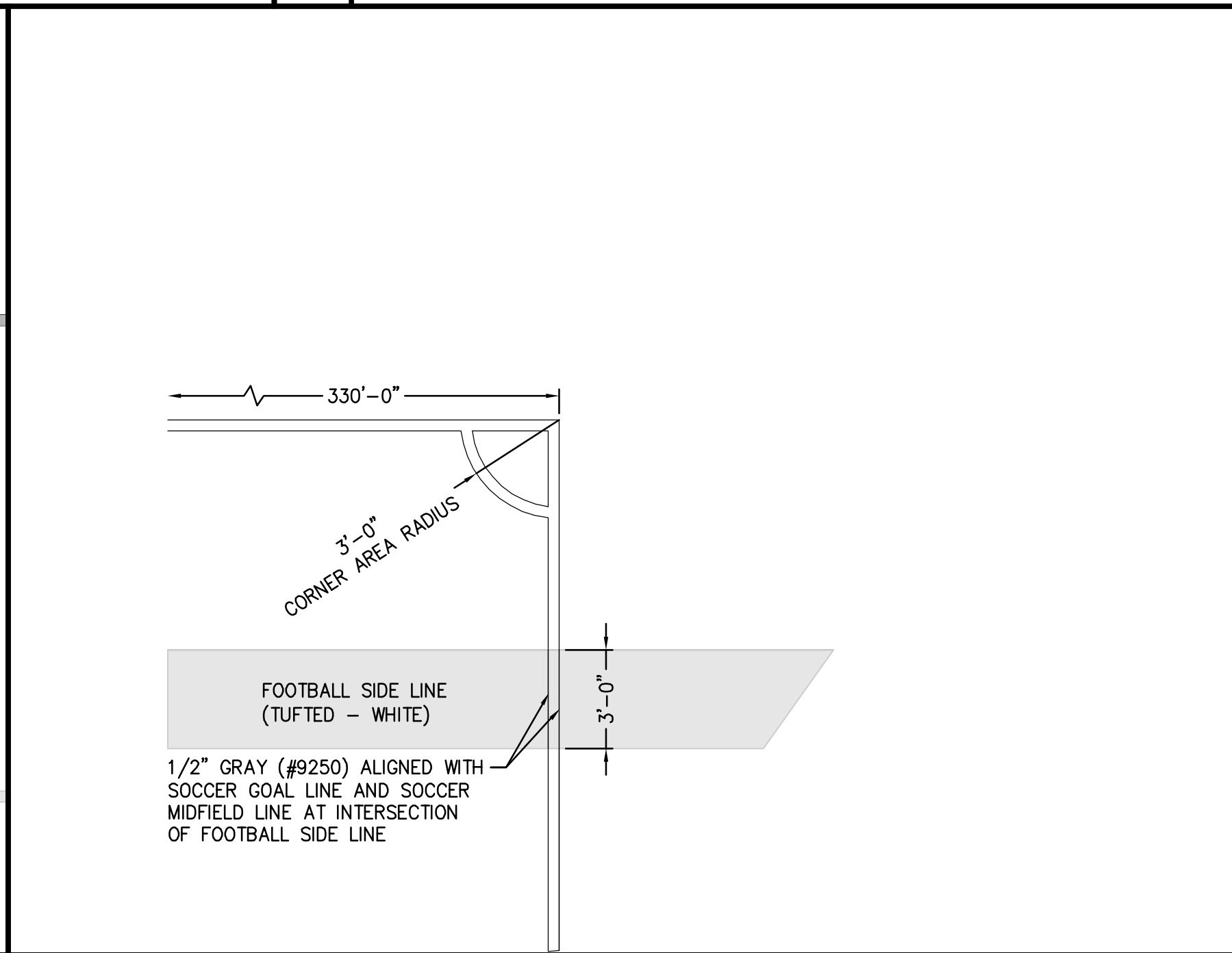
2 SOCCER FIELD LAYOUT
SCALE: 1" = 30'-0"



3 INLAID SOCCER GOAL TICK MARKS
SCALE: 1/2" = 1'-0"



4 INLAID SOCCER CENTER SPOT
SCALE: 1/2" = 1'-0"



6 SOCCER CORNER ARC
SCALE: 1/4" = 1'-0"

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ATHLETIC FIELD STRIPING AND LAYOUT DETAILS		
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