

# Al Ritt Synthetic Turf Field & Running Track Renovations

Date Issued: 12.09.2022

Dexter, MI 48130

OWNER REVIEW

## Project Site Locations

Al Ritt Stadium  
8100 Shield Road

## Project Contacts

Owner:  
  
Craig McCalla  
Principal for Operations  
Dexter Community Schools  
734.424.4100

Consultants:  
  
Brian Barrick  
Principal  
Beckett & Raeder, Inc.  
734.663.2622

## Sheet Index

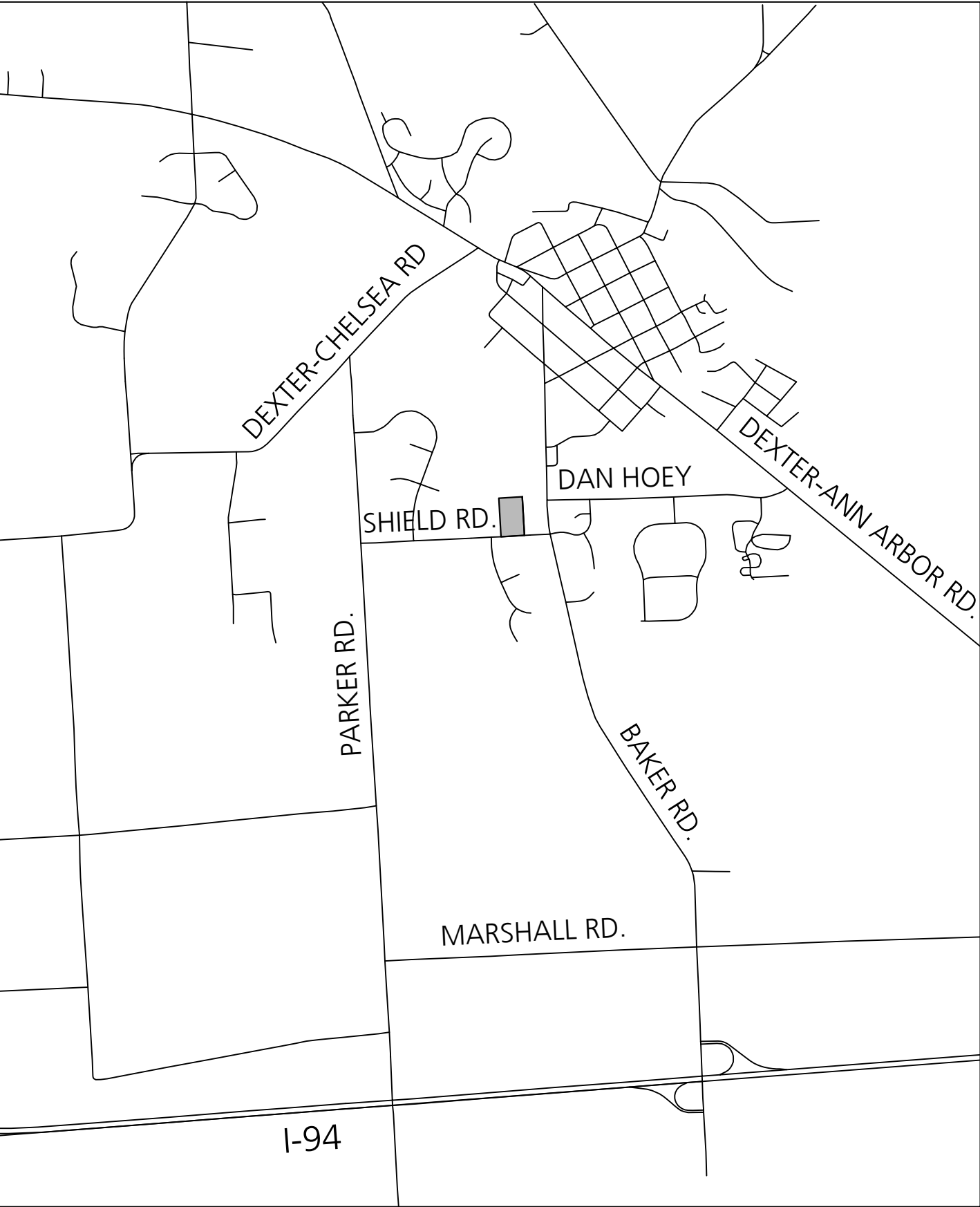
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EC1.1	Existing Conditions - East
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C1.1	Field Turf Replacement
C1.2	Field Details
C2.0	Track & Field Repair and Coating - West
C2.1	Track & Field Repair and Coating - East

## Civil Engineer

B R  
**Beckett&Raeder**  
*Landscape Architecture  
Planning, Engineering and  
Environmental Services*  
  
Beckett & Raeder, Inc.  
535 West William, Suite 101  
Ann Arbor, MI 48103  
734.663.2622 ph  
734.663.6759 fx

## Landscape Architect

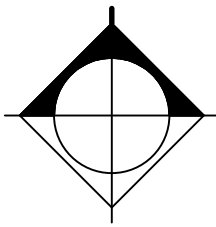
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Overall Vicinity Map



Site Vicinity Map



## Location Maps

NTS





SITE INFORMATION

OWNER: DEXTER COMMUNITY SCHOOLS  
2704 BAKER ROAD  
DEXTER, MI 48130

SITE ADDRESS: AL RITT STADIUM  
8100 SHIELDS ROAD  
DEXTER, MI 48130

EXISTING CONDITIONS NOTES

- CONTRACTOR SHALL CALL MISS DIG (811) A MINIMUM OF THREE WORKING DAYS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL INVESTIGATE EXTENT AND LOCATION OF ALL EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR PROTECTION AND RESTORATION OF SAME IF DAMAGED AS A RESULT OF CONTRACTOR'S OPERATIONS.
- EXISTING CONDITION DRAWINGS CONTAINED IN THIS DRAWING SET ARE BASED ON AERIAL PHOTOGRAPHY DATED MARCH 2021. AERIAL PHOTOGRAPHS HAS BEEN SCALED AND GEORECTIFIED TO THE EXTENT POSSIBLE, BUT THE ARCHITECT AND THE OWNER MAKE NO WARRANTY OF THEIR COMPLETENESS OR ACCURACY RELATED TO THE CURRENT AS-BUILT CONDITION. CONTRACTOR SHALL CONDUCT PRE-CONSTRUCTION INVESTIGATIONS IT DEEMS NECESSARY TO AVOID DAMAGE TO EXISTING IMPROVEMENTS, INCLUDING BELOW-GRADE UTILITIES THAT MAY BE INACCURATE OR NOT REPRESENTED ON THE EXISTING CONDITIONS DRAWINGS. REPAIR OF EXISTING IMPROVEMENT DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.

SESC NOTES

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING NECESSARY SOIL EROSION AND SEDIMENTATION CONTROL PERMITS.
- THIS PROJECT MUST BE CONSTRUCTED IN COMPLIANCE WITH PART 91 OF MICHIGAN NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT 451 OF 1994, AS AMENDED, THE SOIL EROSION AND SEDIMENT CONTROL ACT.
- PRIOR TO ANY SITE DISTURBANCE, INCLUDING DEMOLITION, CONTRACTOR SHALL PLACE EROSION CONTROL MEASURES ON ALL EXISTING STORM SEWER STRUCTURES AFFECTED BY WORK IN THIS CONTRACT. SUCH EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EROSION CONTROL MEASURES AS REQUIRED BY STATE AND LOCAL GOVERNING AUTHORITIES.
- DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL MEASURES. ANY NECESSARY REPAIRS SHALL BE MADE WITHOUT DELAY.
- ALL EROSION AND SEDIMENT RESULTING FROM WORK ON SITE SHALL BE CONTAINED ON SITE AND NOT ALLOWED TO COLLECT IN ANY OFF-SITE AREAS OR WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, RIVERS, OR PONDS.
- CONTRACTOR SHALL CLEAN DEBRIS FROM PUBLIC ROADS AND OWNERS PARKING LOTS AND DRIVEWAYS ON A DAILY BASIS AS NEEDED.
- CONTRACTOR SHALL CLEAN STORM SEWER STRUCTURES AS NEEDED DURING CONSTRUCTION, AND UPON COMPLETION OF THE WORK.

PROPERTY AND SESC DATA

PARCEL #1	PARCEL #2
PARCEL ID: 08-08-07-201-001	PARCEL ID: 08-08-07-201-002
LEGAL DESCRIPTION: COM AT N 1/4 COR OF SEC 7 TH S 0-40-15 E 319.79 FT TO POB, TH S 0-40-15 E 258.0 FT, TH S 89-13-30 W 206.5 FT, TH N 0-40-15 W 258.0 FT, TH N 89-13-30 E 206.5 FT TO POB PART NW 1/4 SEC 7 T2S R5E 1.22 AC	LEGAL DESCRIPTION: BEG AT N 1/4 POST OF SEC 7, TH S 00-40-15 E 319.79 FT, TH S 89-13-30 W 206.5 FT TH S 00-40-15 E 258.0 FT, TH S 89-13-30 W 317.72 FT, TH N 00-47-00 W 579.02 FT TH N 89-21-30 E 525.35 FT TO THE POB. PT NW 1/4 SEC 7, T2S-R5E, 5.75 AC.
PARCEL SIZE: 1.22 ACRES	PARCEL SIZE: 5.75 ACRES
DISTURBED AREA: 2.3 ACRES	
DISTANCE TO WATER OF THE STATE: 770 FEET TO MILL CREEK	
SOIL INFORMATION: NATURAL RESOURCES CONSERVATION SERVICE SOIL SURVEY INDICATED THAT THE SITE IS COMPRISED OF OSHTEMO LOAMY SAND (OSB) WITH 0-6% SLOPES. THE SOIL DESCRIPTION INDICATES THAT THE OSHTEMO SOIL IS LARGELY COMPRISED OF LOAMY SAND AND IS WELL DRAINED.	

Dexter Community Schools  
Al Ritt Field &  
Track Renovation

Dexter, MI

Existing Conditions - West

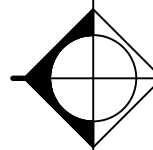
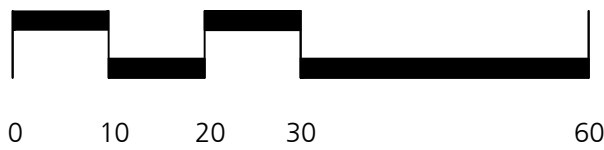
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1" = 20'

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Checked:	BB
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BRI 2022116

EC1.0







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Consultants

Seal

Project Title

Dexter Community Schools  
Al Ritt Field &  
Track Renovation

Dexter, MI

Sheet Title

Existing Conditions - East

Dates

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Scale

1" = 20'

Quality Control

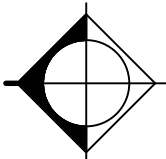
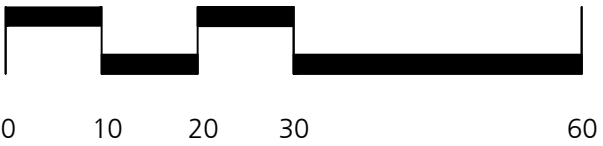
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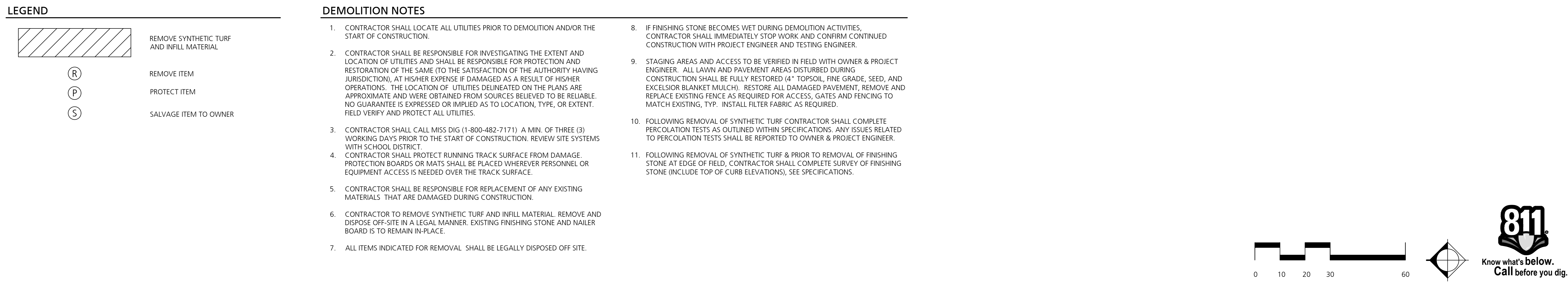
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EC1.1

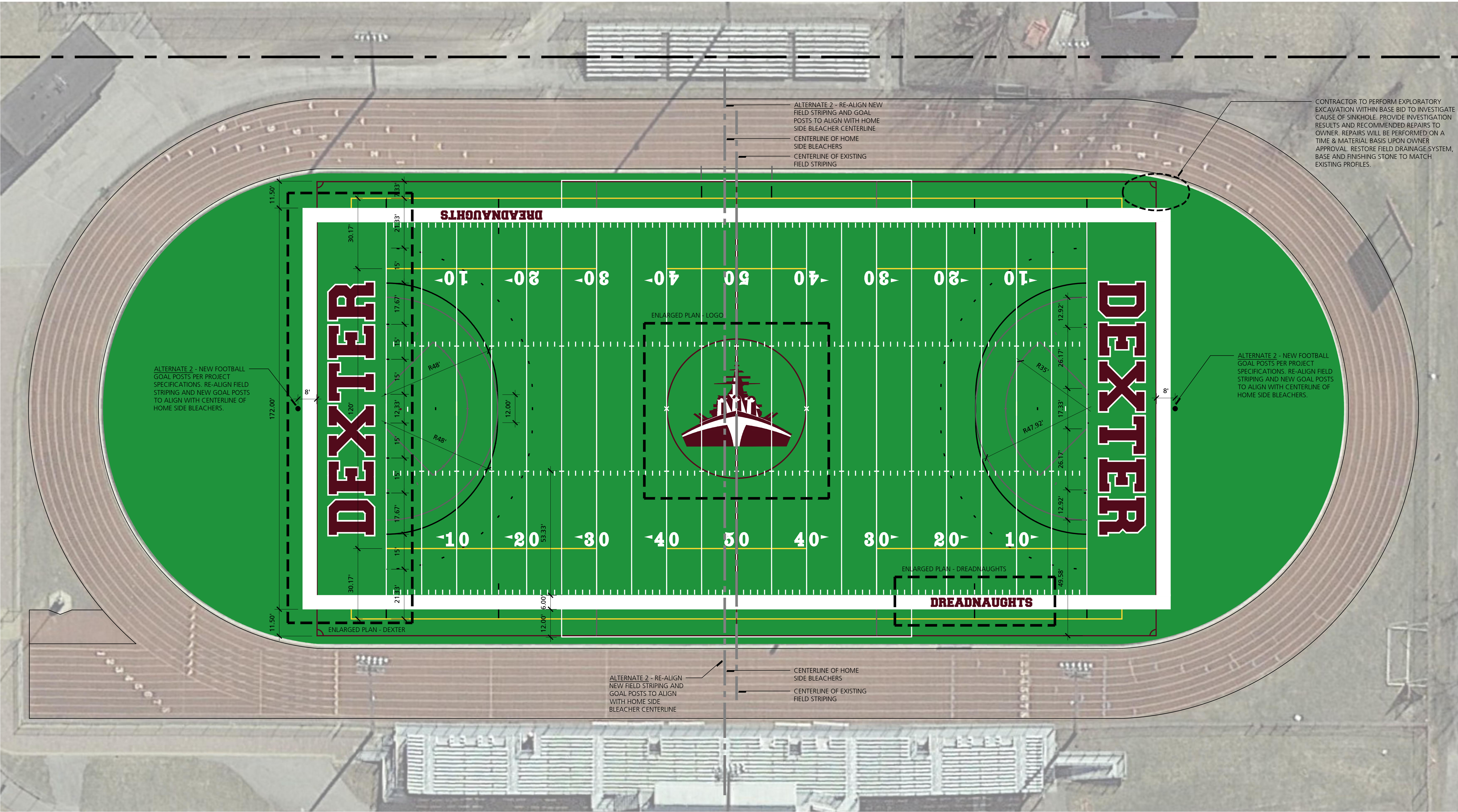


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LEGEND



FIELD ALTERNATES

- ALTERNATE 1 - PROVIDE SYNTHETIC TURF SHOCK PAD PER PROJECT SPECIFICATIONS. ADJUST FINISHING STONE GRADE AT FIELD PERIMETER TO ACCEPT SHOCK PAD AND MAINTAIN FINISH GRADE AT EXISTING FIELD CURB. TAPER FINISH STONE GRADE 10 FEET INTO FIELD AND REMOVE EXCESS STONE AS NEEDED.
- ALTERNATE 2 - REMOVE EXISTING FOOTBALL GOAL POSTS AND PROVIDE NEW GOAL POSTS PER PROJECT SPECIFICATIONS. RE-CENTER FIELD STRIPING AND NEW GOAL POSTS TO ALIGN WITH CENTERLINE OF HOME SIDE BLEACHERS.
- ALTERNATE 3 - REMOVE AND REPLACE ALL NAILER BOARDS IN LIEU OF BASE BID INSPECTION AND UNIT COST AS-NEEDED REPLACEMENT.

LAYOUT & MATERIALS NOTES

- CONTRACTOR SHALL CONFIRM ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO THE BEGINNING OF ANY WORK, OR ORDERING OF MATERIALS. CONTRACTOR SHALL FIELD STAKE ALL PROPOSED IMPROVEMENTS FOR REVIEW AND APPROVAL OF BOTH OWNER'S REPRESENTATIVE AND ENGINEER. ANY WORK INSTALLED WITHOUT COMPLETE REVIEW AND APPROVAL SHALL BE SUBJECT TO REJECTION.
- CONTRACTOR SHALL PROVIDE COMPLETE SHOP DRAWINGS FOR PROPOSED SYNTHETIC TURF REPLACEMENT FOR OWNERS APPROVAL. SHOP DRAWINGS TO INCLUDE SEAMING PLAN, STITCHING DETAILS, AND ALL FIELD MARKINGS & LOGO. SHOP DRAWINGS FOR FIELD SHALL BE IN COLOR.
- ALL FIELD MARKINGS SHALL BE PER THE NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS (NFHS) AND MICHIGAN HIGH SCHOOL ATHLETIC ASSOCIATION (MHSAA) STANDARDS.
- CONTRACTOR SHALL LOCATE AND PROTECT RADIUS MONUMENTS. REPORT ANY DISCREPANCIES TO PROJECT ENGINEER.
- ALL DIMENSIONS ARE TO BACK OF CURB OR EDGE OF MATERIAL, UNLESS NOTED OTHERWISE.
- SEE SPECIFICATIONS FOR CONSTRUCTION REQUIREMENTS, MATERIALS, AND EXECUTION.
- LAYOUT TO BE COMPLETED BY REGISTERED LAND SURVEYOR, REVIEWED BY CONSTRUCTION MANAGER AND ENGINEER, AND ADJUSTED ON SITE AS REQUIRED WITHOUT ADDITIONAL COST TO OWNER.
- AT THE COMPLETION OF THE PROJECT THE SYNTHETIC TURF CONTRACTOR SHALL PROVIDE 'AS-BUILT' DOCUMENTS TO OWNER. DOCUMENTS SHALL BE COMPLETED BY REGISTERED LAND SURVEYOR. ANY DEVIATIONS FROM THE SPECIFIED FIELD AND MARKING DIMENSIONS SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- FOR ALTERNATE 2, CONTRACTOR SHALL ESTABLISH AND FIELD STAKE EXISTING BLEACHER CENTERLINE AND LOCATION OF NEW GOAL POSTS FOR OWNER'S CONFIRMATION PRIOR TO INSTALLATION OF NEW WORK.
- FOLLOWING REMOVAL OF EXISTING TURF, CONTRACTOR SHALL INSPECT EXISTING NAILER BOARD AND CONFIRM SUITABILITY FOR RE-USE. IF UNACCEPTABLE, FOR RE-USE, CONTRACTOR SHALL PROVIDE MARKUP DRAWING OF LOCATIONS AND QUANTITY REQUIRING REPLACEMENT FOR OWNER APPROVAL.

GRADING NOTES

- NO GRADING WORK SHALL TAKE PLACE UNTIL EXISTING FINISHING STONE DEPTH HAS BEEN CONFIRMED.
- NO GRADING WORK SHALL TAKE PLACE UNTIL PERCOLATION TESTS HAVE BEEN COMPLETED AND APPROVED BY OWNER, ENGINEER AND TESTING ENGINEER.
- UPON REMOVAL OF EXISTING TURF, FINISHING STONE AND BASE MATERIAL SHALL BE PROOFROLLED. TESTING ENGINEER SHALL STIPULATE PROOFROLLING REQUIREMENTS. AREAS FAILING THE PROOFROLL SHALL BE CORRECTED AS DIRECTED BY TESTING ENGINEER.
- MINOR GRADE VARIATIONS ARE VISIBLE WITHIN THE EXISTING SYNTHETIC TURF FIELD. CONTRACTOR SHALL FINISH GRADE AND COMPACT EXISTING FINISHING STONE OVER ENTIRE FIELD. PROVIDE CONSISTENT LINES AND GRADIENTS FREE OF ANY HIGH OR LOW SPOTS EXCEEDING .01' WHEN PLACED UNDER A 10' STRAIGHT EDGE.
- EXISTING FINISHING STONE FINISHING STONE SHALL BE FINISH GRADED TO ACHIEVE SMOOTH UNIFORM GRADES. LOW SPOTS SHALL BE FILLED AND HIGH SPOTS SHALL BE CUT AS REQUIRED TO ACHIEVE PLANARITY. AS FINISHING STONE GRADES ARE APPROVED, THEY SHALL BE PROTECTED AT ALL TIMES.
- FOLLOWING INSTALLATION AND FINE GRADING OF FINISHING STONE, GRADES SHALL BE FIELD VERIFIED WITH A STRING LINE PER SPECIFICATIONS. OWNER, ENGINEER AND CONTRACTOR SHALL BE PRESENT FOR THE PLANARITY TESTING. AREAS FAILING TO MEET SPECIFICATIONS SHALL BE CORRECTED.
- IF FINISHING STONE BECOMES TOO WET DURING GRADING OPERATIONS, CONTRACTOR SHALL STOP WORK AND CONFIRM WITH TESTING ENGINEER, OWNER, AND ENGINEER.
- ALL EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH THE STATE OF MICHIGAN SOIL AND SEDIMENTATION ACT NO. 347.
- ALL DISTURBED LAWN AREAS SHALL BE FULLY RESTORED TO MATCH EXISTING CONDITIONS. REMOVE ALL STONE, BACKFILL RUTS WITH TOPSOIL AND TO A 3" DEPTH, BACKFILL WITH 4" OF TOPSOIL AND GRADE TO BLEND WITH EXISTING ADJACENT GRADES, SEED AND MULCH PER SPECIFICATIONS, AND MAINTAIN PER SPECIFICATIONS.

INLAID & TUFTED FIELD MARKINGS

- FOOTBALL
- A. TUFTED
- 5 YD. LINE (4")
  - 10 YD. LINE (4")
  - END ZONE MARKINGS (4")
  - SIDELINE MARKINGS (4")
  - 50 YARD LINE (4")
- B. INLAID
- 10 YD. NUMBERS
  - 1 YD. HASH MARKINGS (4")
  - EXTRA POINT LINES (4")
  - KICK OFF MARKINGS (4")
  - 3 YD. MARKINGS (4")
  - COACHES BOX MARKINGS (4")
- SOCCER
- A. TUFTED
- SIDELINE MARKINGS (4")
- B. INLAID
- CENTER CIRCLE (4")
  - GOAL BOX (4")
  - CORNER KICK (4")
  - PENALTY KICK MARKINGS (4")
- WOMEN'S LACROSSE
- A. TUFTED
- ALL LINES (4")
- B. INLAID
- ARCS (4")
- MEN'S LACROSSE
- A. TUFTED
- ALL LINES (4")
- B. INLAID
- ARCS (4")
- FIELD HOCKEY
- A. TUFTED
- ALL LINES (4")
- B. INLAID
- BROKEN LINE (4")
  - ARCS (4")
- LOGO
- A. INLAID

FIELD MARKING NOTES

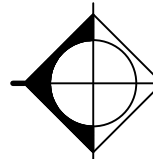
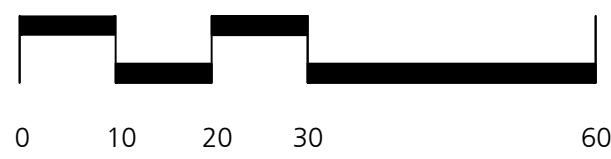
- DETAILED STRIPING LAYOUT AND SHOP DRAWINGS TO BE PROVIDED BY CONTRACTOR.
- ALL FIELD AND STRIPING LAYOUT DIMENSIONS TO BE PER CURRENT NFHS) AND MHSSA STANDARDS.
- HIERARCHY AND COLOR OF STRIPING TO BE AS FOLLOWS:
  - FOOTBALL - WHITE
  - SOCCER - MAROON
  - WOMEN'S LACROSSE - GREY
  - MEN'S LACROSSE - VEGAS GOLD
  - FIELD HOCKEY - BLACK
- THE FOLLOWING LINES SHOULD BE OMITTED AND LAYOUT TICK MARKS PROVIDED FOR THE OWNER TO PAINT TEMPORARY MARKINGS AS-NEEDED. TICK MARKS TO MATCH COLOR OF ASSOCIATED SPORT.
  - SOCCER GOAL BOX
  - SOCCER PENALTY BOX AND ARC
  - WOMEN'S LACROSSE GOAL CIRCLE
  - MEN'S LACROSSE GOAL CIRCLE
  - LACROSSE LINES WITHIN THE FOOTBALL ENDZONES

VEHICLE REQUIREMENTS

- CONTRACTOR SHALL CONDUCT WORK WITH VEHICLES AND EQUIPMENT APPROPRIATE FOR EXISTING SYNTHETIC TURF REMOVAL, COMPOSITE & COLLECTOR DRAIN PROTECTION, FINISHING STONE GRADING, TRACK SURFACE PROTECTION, PAVEMENT PROTECTION, AND LAWN PROTECTION. VEHICLE AND EQUIPMENT USE MAY NEED TO BE MODIFIED DURING THE PROJECT BASED ON MOISTURE OF SOIL AND FINISHING STONE.
- CONTRACTOR SHALL PROTECT OPEN AGGREGATE MATERIAL AND TRACK SURFACE AT ALL TIMES.
- ALL GRADING EQUIPMENT SHALL BE EQUIPPED WITH LASER GUIDED BLADE SYSTEMS.
- CONTRACTOR, TESTING ENGINEER, OWNER, AND ENGINEER SHALL MEET PRIOR TO BEGINNING OF WORK TO CONFIRM CONTRACTOR'S VEHICLE AND EQUIPMENT PLAN.

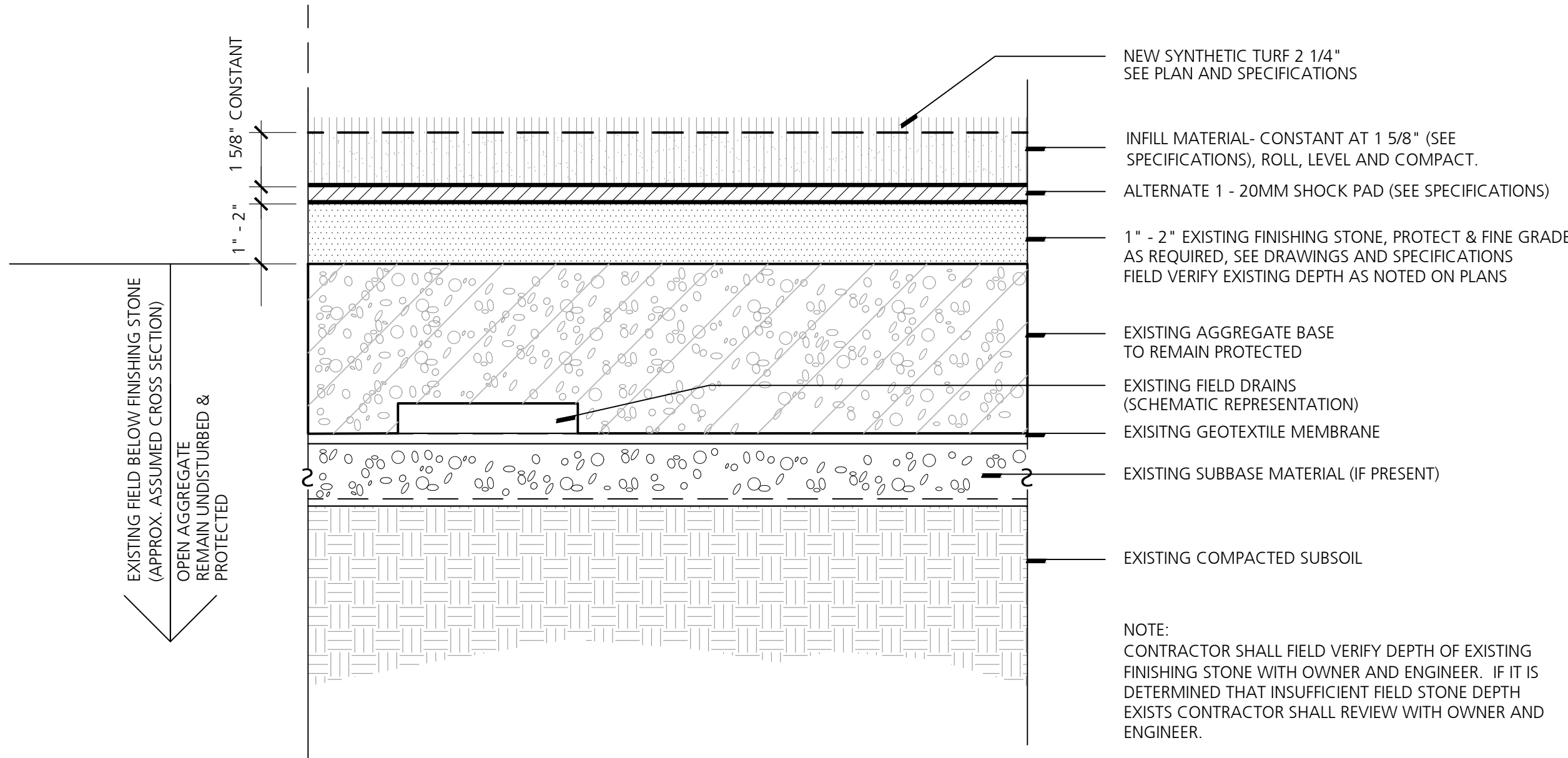
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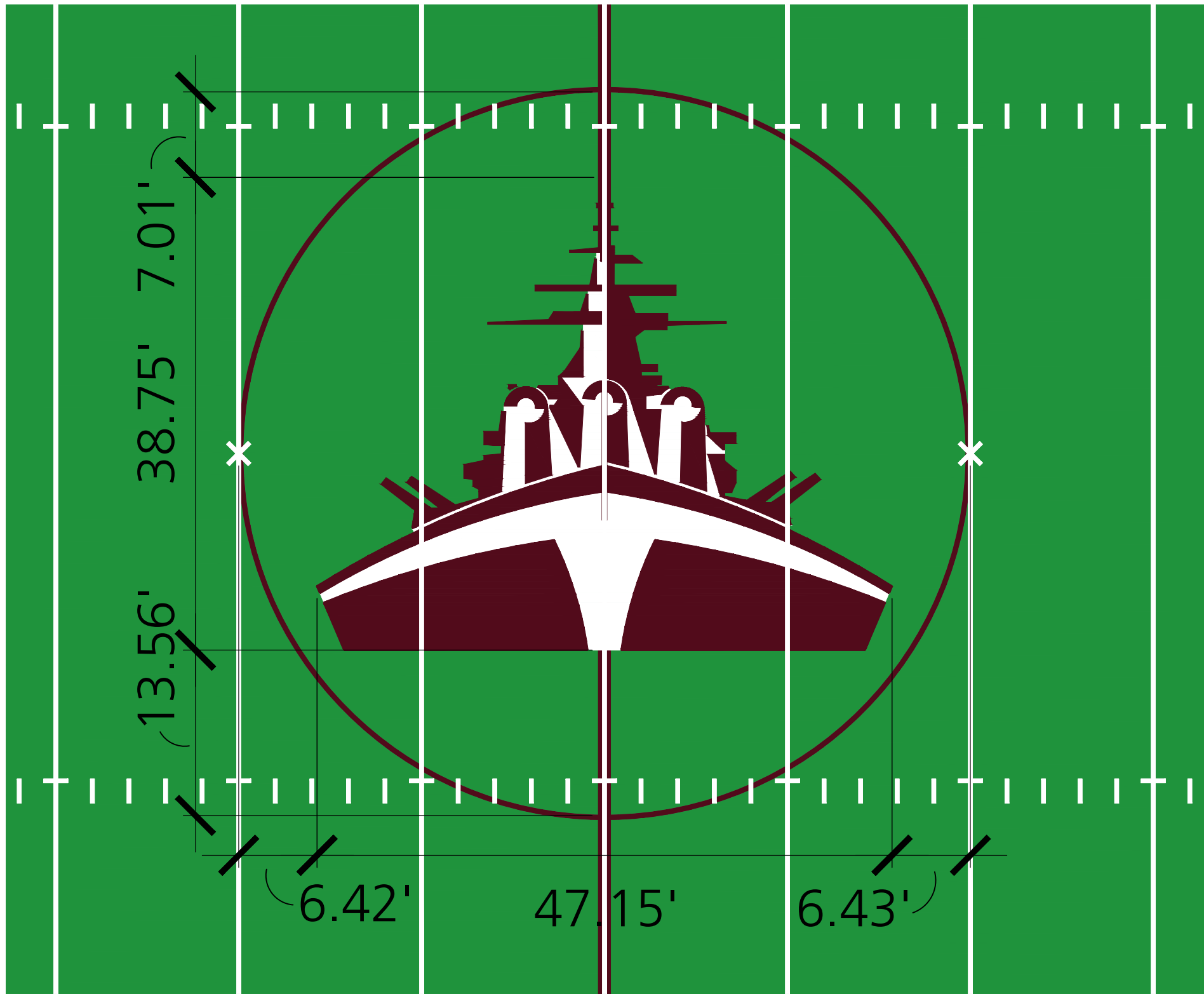


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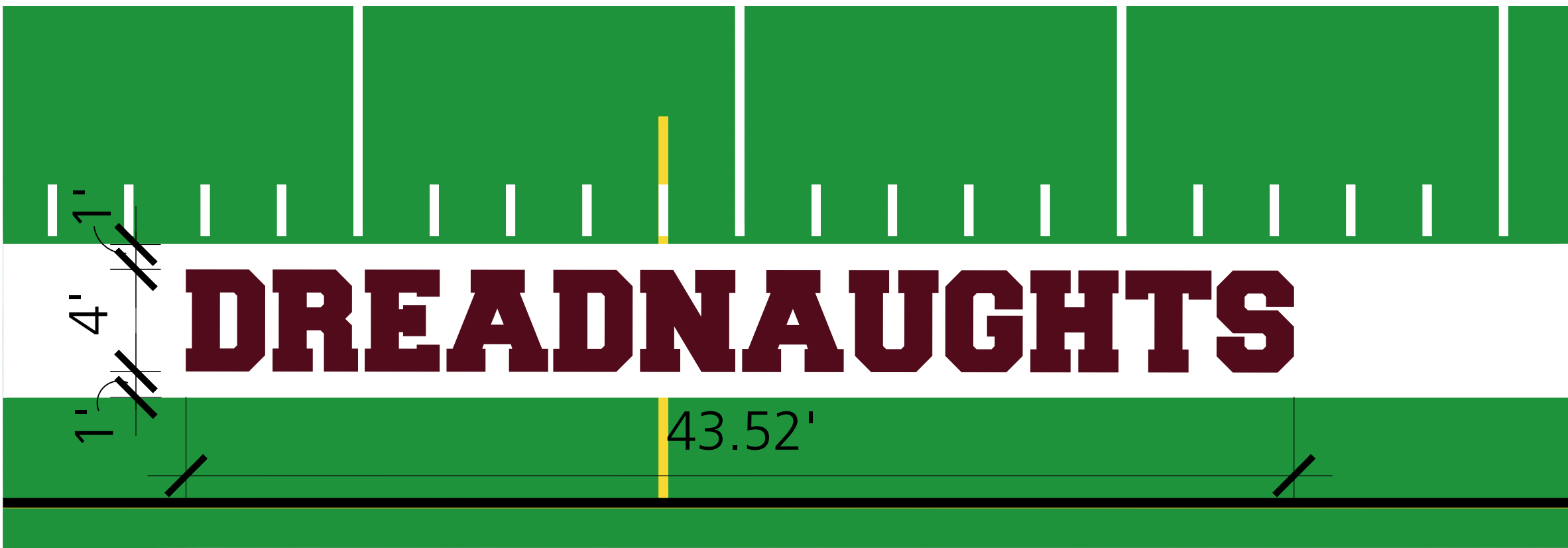




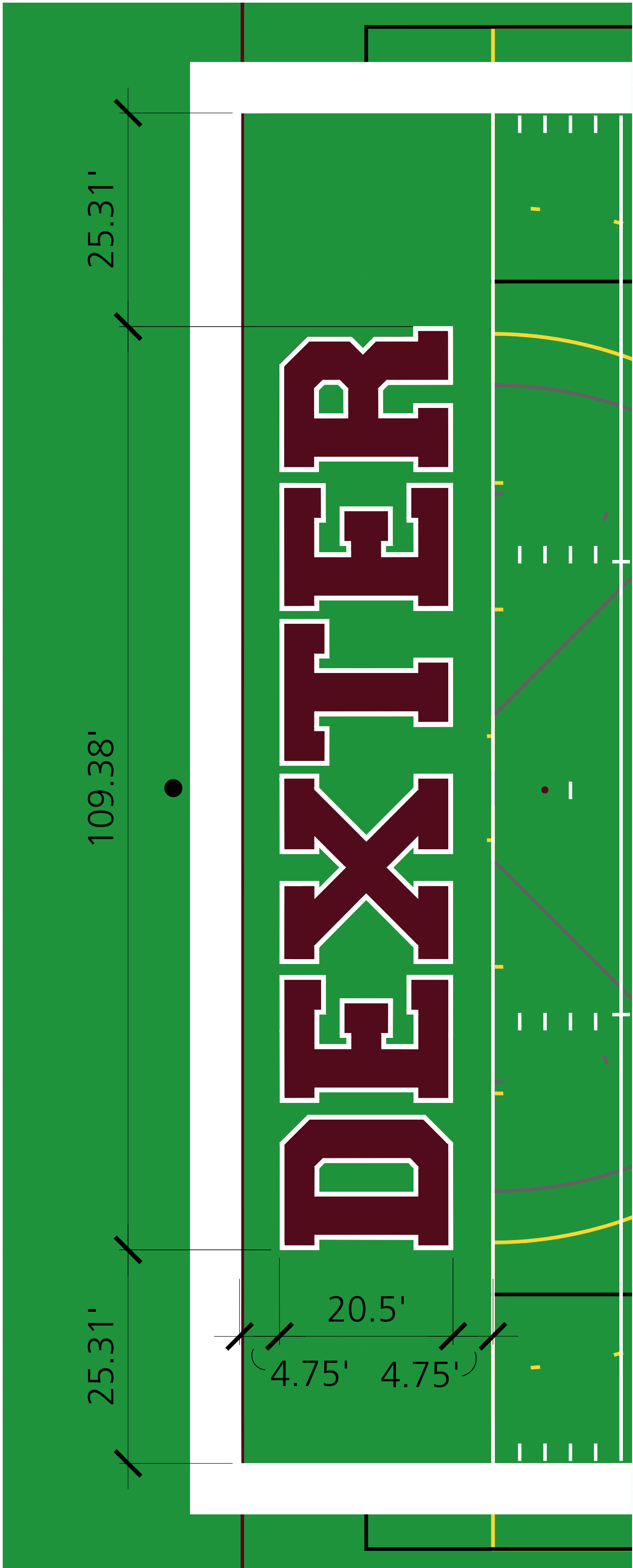
1 Section Synthetic Turf Field  
NO SCALE



2 Enlargement Plan - Logo  
SCALE: 1" = 10'

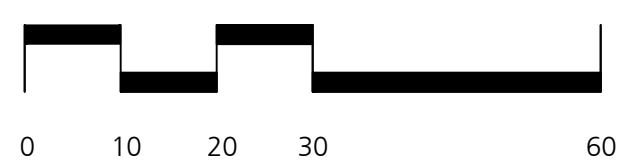


3 Enlargement Plan - Dreadnaught  
SCALE: 1" = 5'

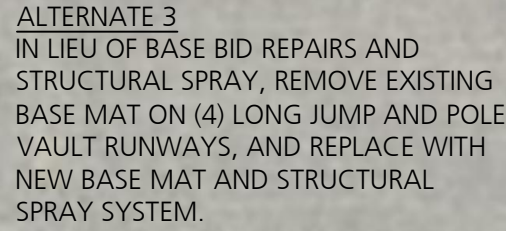


4 Enlargement Plan - Dexter  
SCALE: 1" = 10'









REMOVE EXISTING BASE MAT  
BETWEEN FIRST BOARD AND SAND  
PIT ON (2) LONG JUMP RUNWAYS,  
AND REPLACE WITH NEW BASE MAT  
AND STRUCTURAL SPRAY SYSTEM.

(P) LONG JUMP BOARDS, TYP.

REMOVE EXISTING BASE MAT  
BETWEEN FIRST BOARD AND SAND  
PIT ON (2) LONG JUMP RUNWAYS,  
AND REPLACE WITH NEW BASE MAT  
AND STRUCTURAL SPRAY SYSTEM.

AND REPLACE WITH NEW BASE MAT  
AND STRUCTURAL SPRAY SYSTEM.

- REPAIR BASE MAT CRACKS IN LONG JUMP RUNWAYS, TYP.

REMOVE EXISTING BASE MAT FROM NORTH HALVES OF (2) POLE VAULT RUNWAYS AND REPLACE WITH NEW BASE MAT AND STRUCTURAL SPRAY SYSTEM.

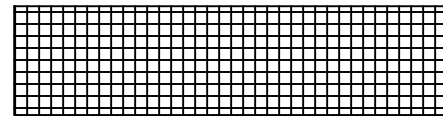
SECTION SYNTHETIC  
TURF FIELD

- REPAIR BASE MAT CRACKS AT CORNERS OF VAULT BOXES

- REPAIR BASE MAT TEARS AND DELAMINATIONS AROUND PERIMETER OF HIGH JUMP PAD, TYP.

- REPAIR BASE MAT TEARS AND DELAMINATIONS AROUND PERIMETER OF HIGH JUMP PAD, TYP.

NEW POLYURETHANE STRUCTURAL  
SPRAY; SEE SPECIFICATIONS



NEW POLYURETHANE BASE MAT & STRUCTURAL SPRAY SYSTEM; SEE SPECIFICATIONS

EXISTING CRACK / JOINT IN BASE MAT



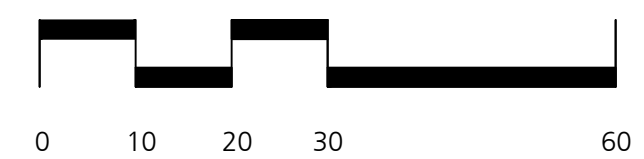
REPLACE POLYURETHANE BASE MAT;  
SEE SPECIFICATIONS

®

REMOVE ITEM

(P)

PROTECT ITEM



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