

STANDARD ENGINEERING NOTES

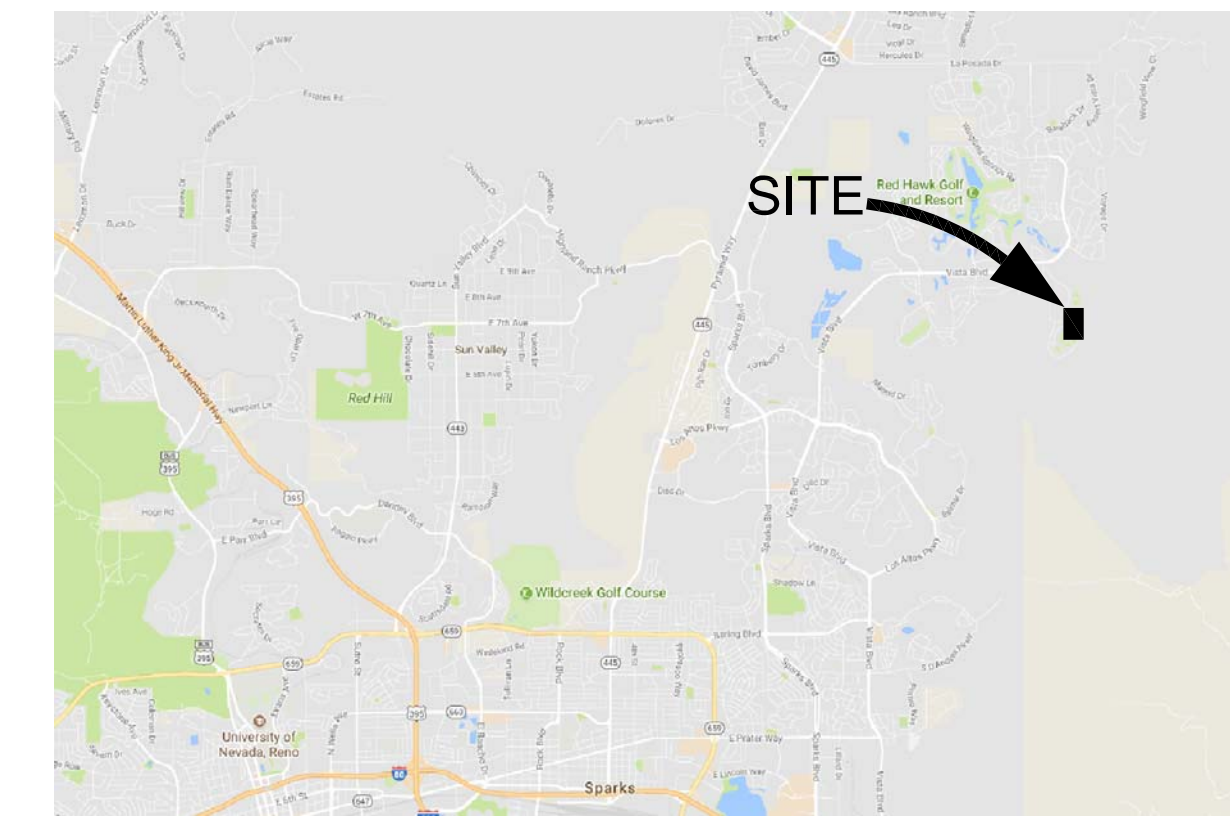
1. THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS MUST BE PRESENTED TO THE ENGINEER. ANYONE WHO TAKES THE INTERPRETATION OF THE DRAWINGS UPON THEMSELVES OR MAKES REVISIONS TO THE SAME WITHOUT CONFERRING WITH THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THEREOF.
2. PRIOR TO BIDDING THE WORK, THE CONTRACTOR MUST THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS, REQUIREMENTS OF THE WORK AND EXCESS OR DEFICIENCY IN QUANTITIES. NO CLAIMS CAN BE MADE AGAINST THE OWNER/DEVELOPER OR ENGINEER FOR ANY EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.
3. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF UTILITIES, LIGHTS, IRRIGATION ETC.
5. THE CONTRACTOR MUST VERIFY THE LOCATION, ELEVATION, CONDITION, AND PAVEMENT CROSS-SLOPE OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING, PRIOR TO COMMENCEMENT OF CONSTRUCTION. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION, OR PAVEMENT CONFLICT WITH ADA OR PLAYING FIELD REQUIREMENTS, THE CONTRACTOR MUST NOTIFY THE OWNER'S AGENT IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.
6. EXISTING UTILITIES SHOWN ARE BASED ON SURVEY LOCATIONS. ADDITIONAL UTILITIES MAY EXIST THAT ARE NOT SHOWN ON PLANS. CALL UNDERGROUND SERVICE ALERT PRIOR TO CONSTRUCTION. THE CONTRACTOR MUST PROTECT AND MAINTAIN ALL EXISTING UTILITIES ON THE SITE. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THESE PLANS, MUST BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE IF DAMAGED BY CONTRACTOR. EXISTING SURFACE FEATURES AND FENCING MUST BE REPLACED IN KIND.
7. THE ENGINEER AND APPLICABLE AGENCY MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION, OR VARIATIONS FROM THESE PLANS. ANY VARIATIONS FROM THESE PLANS MUST BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.
8. ANY INSPECTION BY ANY JURISDICTIONAL AGENCY, SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THESE PLANS, SPECIFICATIONS, APPLICABLE CODES AND AGENCY REQUIREMENTS.
9. ANY HAULING PERMITS REQUIRED ARE TO BE OBTAINED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
10. ANY CONSTRUCTION WATER ACCESS IS TO BE OBTAINED BY THE CONTRACTOR AT NO ADDITION COST TO THE OWNER. FIRE HYDRANT ACCESS MUST BE PERMITTED AND METERED BY THE LOCAL WATER UTILITY AT NO ADDITIONAL COST TO THE OWNER.
11. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL STORM DRAIN PIPES AND DRAINAGE FACILITIES FROM DAMAGE DURING ALL STAGES OF CONSTRUCTION.
12. THE CONTRACTOR SHALL PROVIDE AND INSTALL EROSION CONTROL ITEMS SUCH AS SILT FENCING, HAY BALES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET SEDIMENT TRAPS AS REQUIRED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ANY EROSION CONTROL PLANS REQUIRED BY GOVERNMENT AGENCIES, AND OBTAIN ANY REQUIRED PERMITS.

CITY OF SPARKS

GOLDEN EAGLE REGIONAL PARK

FIELD 7 & 8 SYNTHETIC TURF REPLACEMENT PROJECT-REBID

BID NO. 17/18-014 PWP NO. WA-2018-048



VICINITY MAP
N.T.S.



LOCATION MAP
N.T.S.

BENCHMARK

THE BASIS OF ELEVATIONS FOR THIS SURVEY IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BASED UPON CITY OF SPARKS BENCHMARK #10 BEING A 2' ALUMINUM WASHER IN THE TOP OF CURB AT THE NORTHEAST CORNER OF NORTH WINGFIELD PARKWAY AND VISTA BOULEVARD WITH AN ELEVATION OF 4509.99 FEET.

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS NEVADA STATE PLANE, WEST ZONE NAD83(94) BASED ON REAL TIME KINEMATIC (RTK) GPS OBSERVATIONS UTILIZING CORRECTIONS FROM THE NORTHERN NEVADA COOPERATIVE REAL TIME NETWORK. COORDINATES AND DISTANCES HEREON ARE AT GROUND LEVEL BASED ON A COMBINED GRID TO GROUND FACTOR OF 1.000197939.

SHEET INDEX

- PF-01 COVER SHEET
- PF-02 EXISTING CONDITIONS & DEMOLITION PLAN
- PF-03 SURFACING PLAN
- PF-04 TURF GRAPHICS PLAN

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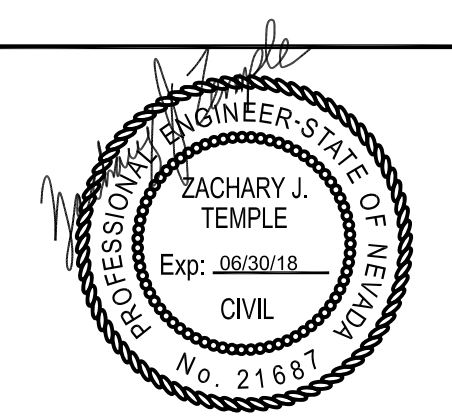
SCOPE OF WORK

THE PROJECT SCOPE OF WORK INCLUDES IMPROVEMENTS TO EXISTING SYNTHETIC TURF FIELD FACILITIES.

EXISTING SYNTHETIC TURF FOOTBALL AND SOCCER FIELD WILL HAVE EXISTING TURF MATERIAL REMOVED AND NEW SHOCK PAD, SYNTHETIC TURF AND INFILL PRODUCT INSTALLED.



SITE ACCESS AND LOGISTICS
N.T.S.



REV.	

**GERP Fields 7 & 8
REBID**

City of Sparks, NV

SCALE:	AS NOTED
DESIGNED:	ZTP
DATE:	01/30/18
DRAWN:	ZTP
PROJ.	16167
APPROVED:	

COVER SHEET

DWG. NO.
PF-01

DEMOLITION NOTES:

- 1 REMOVE EXISTING SYNTHETIC TURF AND INFILL. DISPOSE OF TURF AND INFILL PER LOCAL CODES AND REQUIREMENTS.

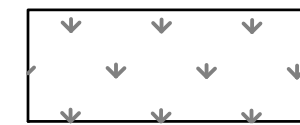
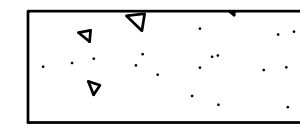

GENERAL NOTES:

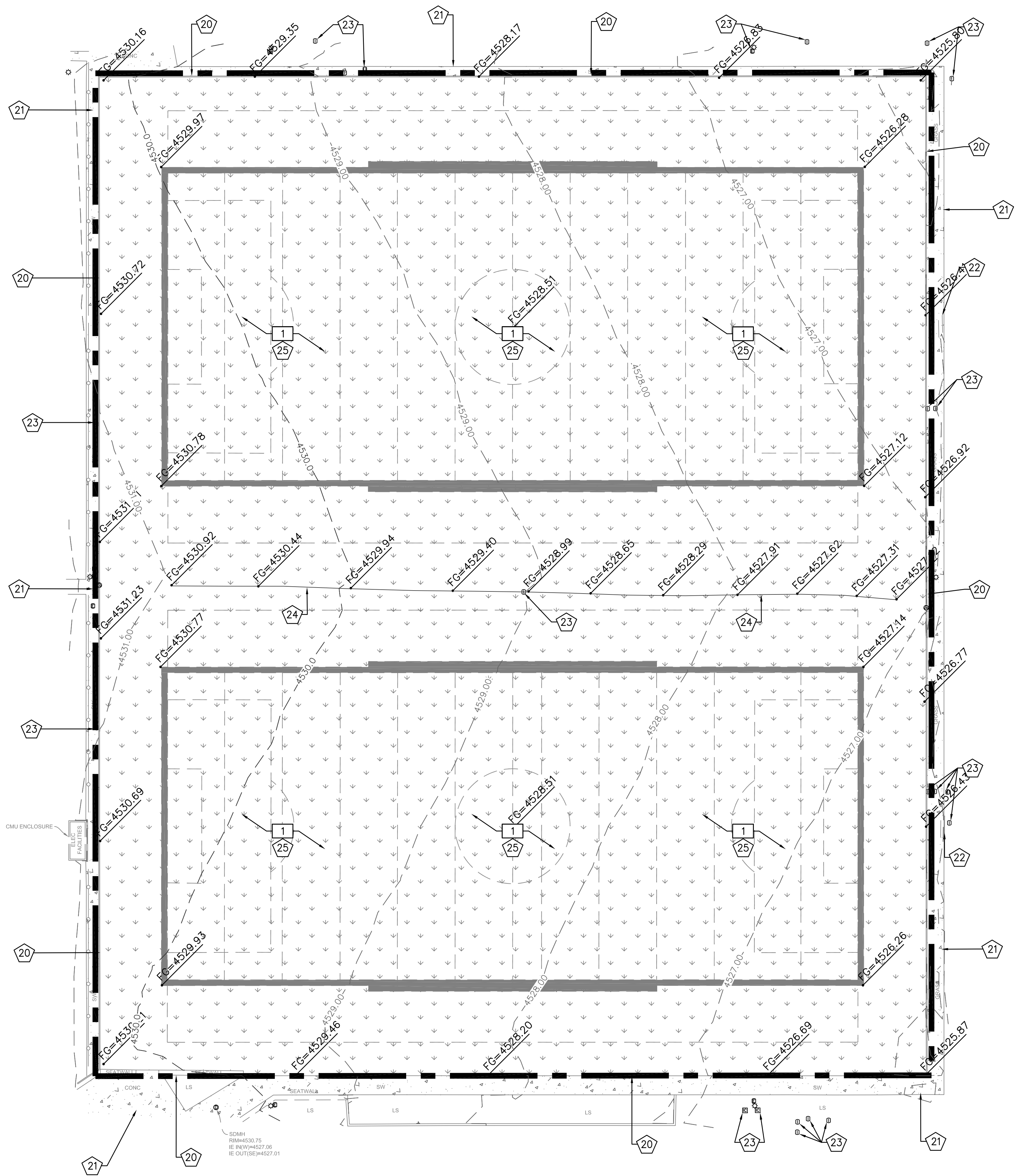
1. CONTRACTOR MUST REMOVE AND DISPOSE OF ALL WEEDS AND LOOSE MATERIALS
2. EXISTING STORM DRAIN FACILITIES WITHIN THE LIMITS OF CONSTRUCTION MUST BE PROTECTED FROM CONSTRUCTION DEBRIS INTRUSION AND MUST BE FLUSHED OUT AND CLEANED BY THE CONTRACTOR AT THE END OF CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING IRRIGATION SERVICE TO EXISTING LANDSCAPE MATERIAL TO REMAIN AND TO ADJACENT FIELDS BOTH DURING AND AFTER CONSTRUCTION.
4. THE CONTRACTOR MUST CONTACT LOCAL UTILITY LOCATION SERVICES PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR MUST PROTECT IN PLACE ALL EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OR REPLACEMENT OF UTILITIES DAMAGED DURING CONSTRUCTION.

PROTECT IN PLACE NOTES:

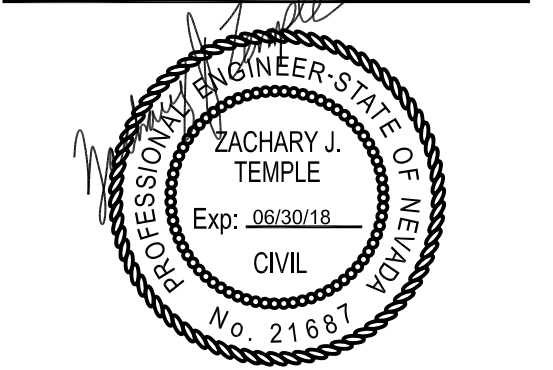
- 20 CONTRACTOR MUST PROTECT IN PLACE EXISTING NAILER BOARD. WHERE DAMAGED NAILER BOARD SECTIONS ARE FOUND, THE CONTRACTOR MUST REPLACE TO MATCH EXISTING CONDITIONS.
- 21 EXISTING CONCRETE SIDEWALK
- 22 EXISTING SCOREBOARD WITH ELECTRICAL SERVICE
- 23 EXISTING IRRIGATION OR COMMUNICATION BOXES. BOX LOCATIONS ARE BASED ON SURVEY. ADDITIONAL UTILITY BOXES MAY EXIST. CONTRACTOR MUST ADD ANY ADDITIONAL UTILITIES LOCATED DURING CONSTRUCTION TO AS-BUILT PLANS.
- 24 APPROXIMATE LOCATION OF EXISTING FIELD DRAIN TRENCH. CONTRACTOR MUST VERIFY ALL DRAINAGE LOCATIONS AND ADD TO AS-BUILT PLANS.
- 25 EXISTING FIELD SUBGRADE MUST BE PROTECTED IN PLACE

LEGEND:

-  EXISTING SYNTHETIC TURF SURFACE
-  EXISTING CONCRETE SIDEWALK
-  LIMITS OF CONSTRUCTION



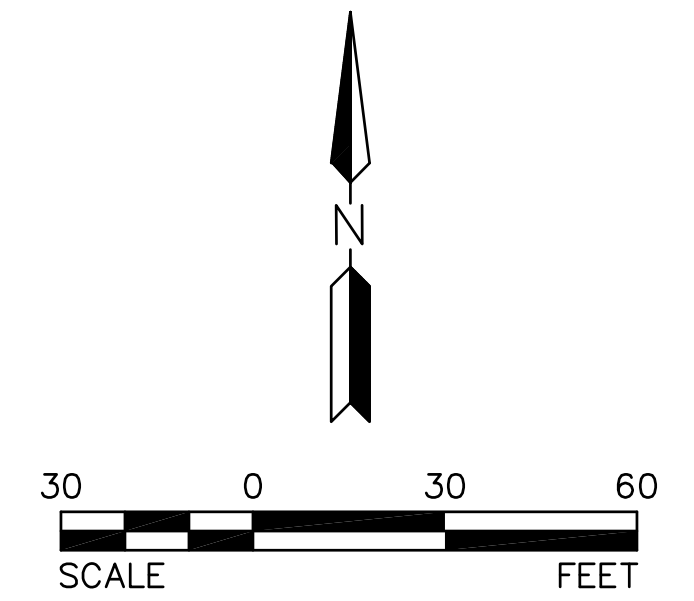
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REV.	DESCRIPTION

**GERP Fields 7 & 8
 REBID**
 City of Sparks, NV
 SCALE: 1"=30'
 DESIGNED: ZTP
 DATE: 01/30/18
 DRAWN: ZTP
 PROJ. 16167
 APPROVED:

**EXISTING CONDITIONS
 & DEMOLITION**
 DWG. NO.
PF-02



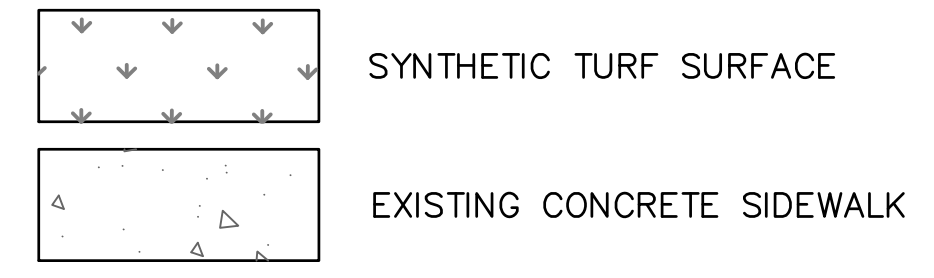
SURFACING NOTES:

1. PRIOR TO SHOCK PAD INSTALLATION THE CONTRACTOR MUST CORRECT ANY RIDGES OR DEPRESSIONS IN PLAYING FIELD BASE THAT DO NOT MEET GRADING TOLERANCES PER THE SPECIFICATIONS.
2. ADJUST PLAYING FIELD BASE ELEVATIONS AT FIELD PERIMETER AND ADJUST NAILER BOARD ELEVATIONS TO MAINTAIN SMOOTH/FLUSH TRANSITION BETWEEN TURF AND CONCRETE CURB/SIDEWALK WITH NO GRADING GAP OR LIP. SEE DETAIL 02 ON THIS SHEET.
3. ATTACH SYNTHETIC TURF TO NAILER BOARD PER DETAIL 02 ON THIS SHEET.
4. THE CONTRACTOR MUST INSTALL NEW BROCK YSR SHOCK PAD OR E-LAYER AND SYNTHETIC TURF PER DETAIL 01 ON THIS SHEET. IF BROCK YSR SHOCK PAD IS INSTALLED, THE CONTRACTOR MUST INSTALL GEOTEXTILE FABRIC BETWEEN PAD AND EXISTING BASE STONE.
5. THE CONTRACTOR MUST ATTACH INFILL SYNTHETIC TURF TO EDGE OF ALL EXISTING IRRIGATION, COMMUNICATION OR OTHER UTILITY BOX EDGES WITHIN TURF AREA. ALL BOXES MUST HAVE NON-INFILL TURF WITH FOAM BACKING GLUED TO LIDS AND BE RAISED OR LOWERED AS REQUIRED TO PROVIDE SMOOTH PLAYING SURFACE.

GENERAL NOTES:

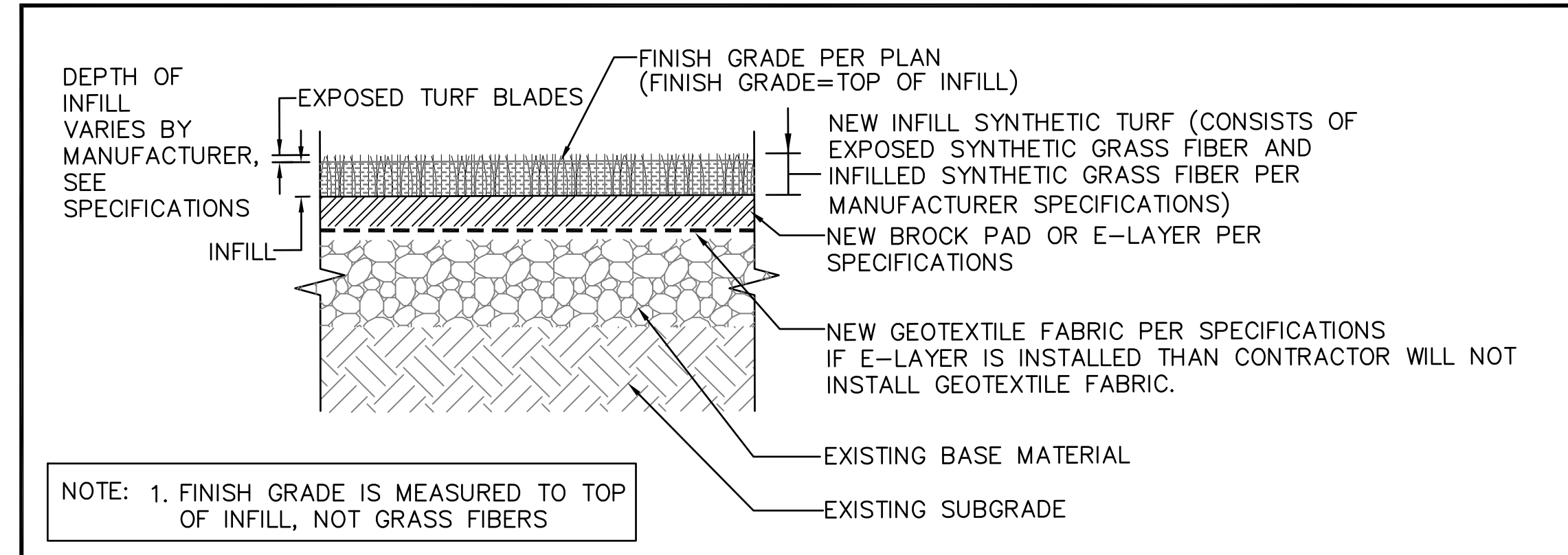
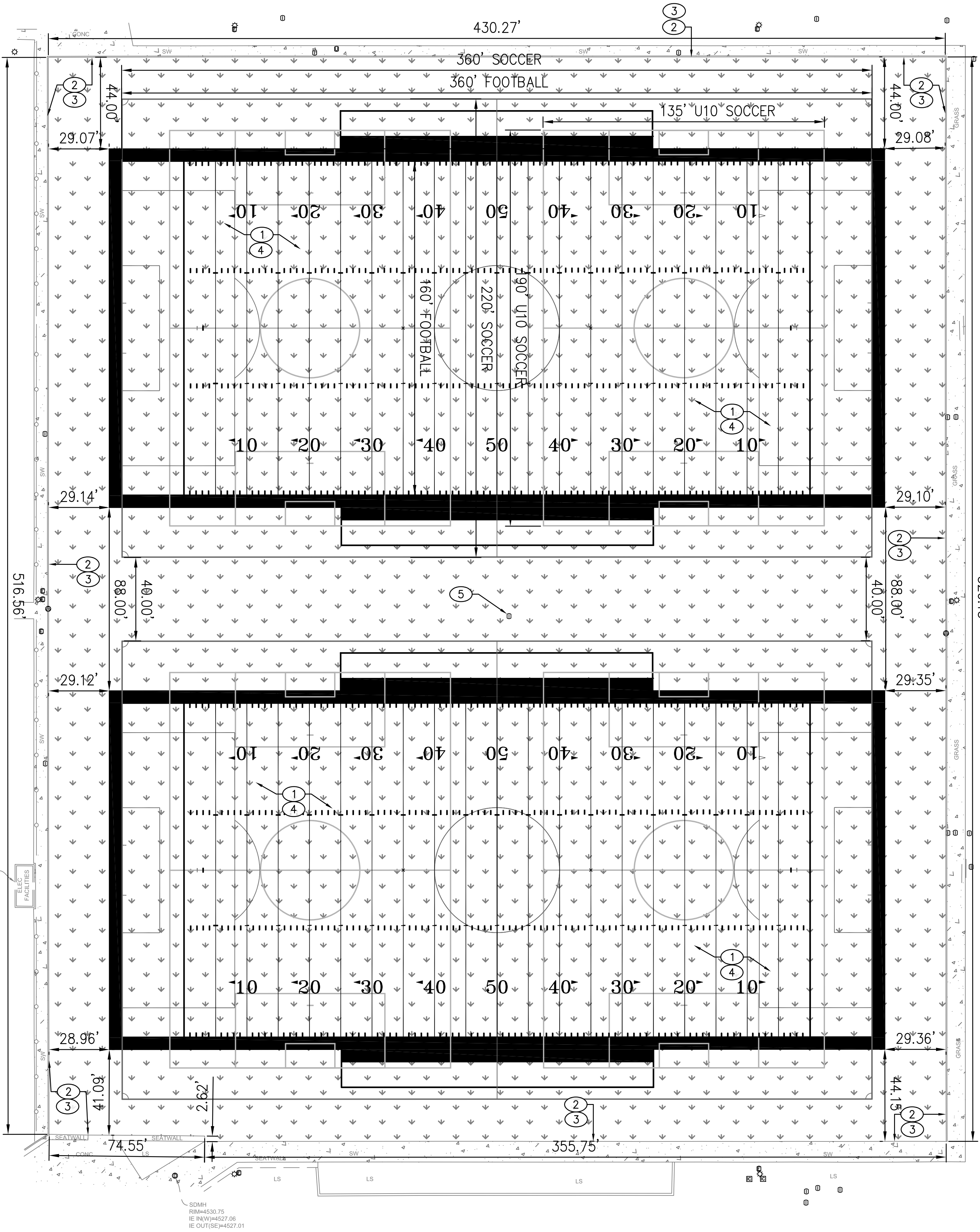
1. ALL COMPETITION REQUIRED STRIPES AND MARKINGS MUST BE INLAID AND MUST MEET THE LATEST REQUIREMENTS OF NFHS FOOTBALL AND SOCCER RULES. YOUTH SOCCER MARKINGS MUST BE INLAID AND MUST MEET THE LATEST REQUIREMENTS OF AYSO. FOOTBALL MARKINGS TO BE WHITE, SOCCER MARKINGS TO BE YELLOW, YOUTH SOCCER MARKINGS ARE TO BE ORANGE.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF THE BASE IN THE TURF AREAS AND FOR COORDINATION WITH THE TURF INSTALLER'S WORK. TURF INSTALLER MUST SUBMIT COMPLETE SHOP DRAWINGS AND COLOR SAMPLES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OF SYNTHETIC TURF. SUBMITTALS FOR SHOP DRAWINGS AND COLOR SAMPLES MUST BE IN ACCORDANCE WITH THE SPECIFICATIONS.
3. THE OWNER (OR ITS REPRESENTATIVE) MUST REVIEW AND APPROVE THE FONTS USED FOR YARD LINE NUMBERING, ENDZONE LETTERING, MIDFIELD LOGO PRIOR TO INSTALLATION OF THE SYNTHETIC TURF.
4. THE EXISTING DRAINAGE SYSTEM AND PERIMETER TRENCH DRAINS MUST BE MAINTAINED OR REPAIRED WHERE EVER DAMAGE IS DISCOVERED

LEGEND:



PLAYING FIELD DIMENSIONS

HIGHSCHOOL FOOTBALL = 160'X360'
 HIGHSCHOOL SOCCER = 220'X360'
 U10 SOCCER = 135'X190'

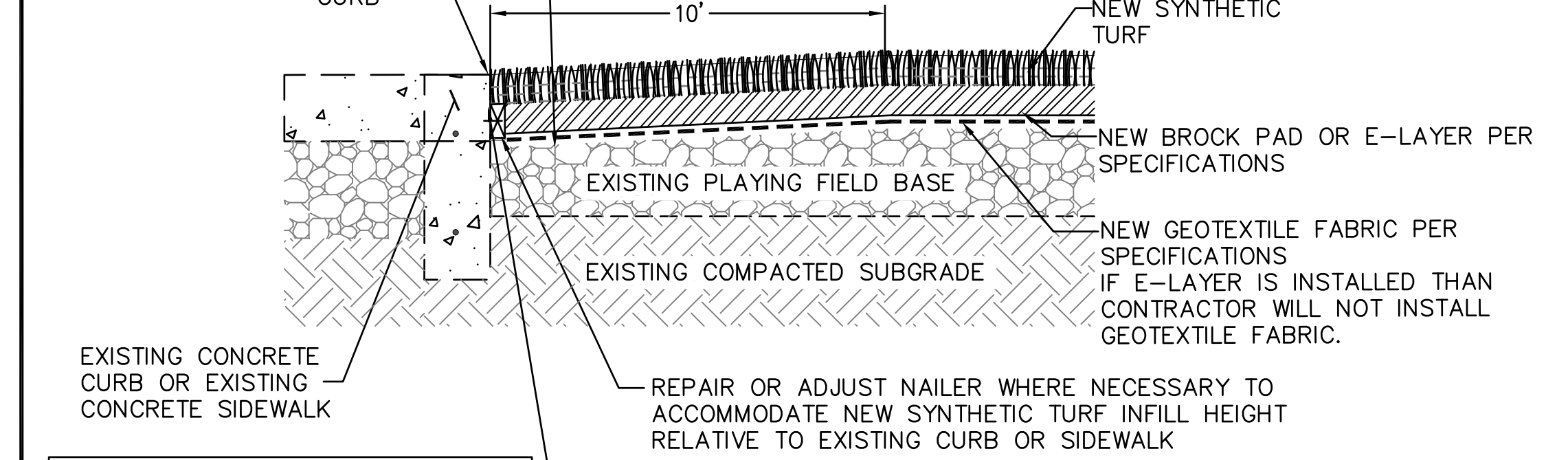


01 TYPICAL SYNTHETIC TURF SECTION

SCALE: NTS

THE CONTRACTOR MUST INSTALL SYNTHETIC TURF SO THAT TOP OF INFILL IS FLUSH WITH CONCRETE SIDEWALK OR CONCRETE CURB

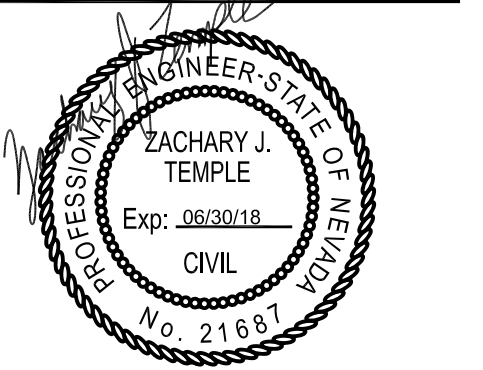
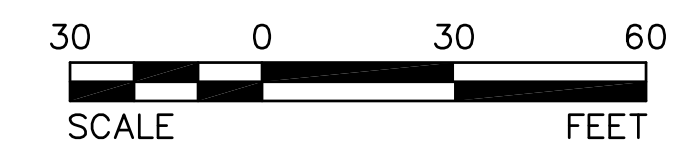
CONTRACTOR MUST ADJUST ELEVATION OF EXISTING BASE TO ACCOMMODATE DEPTH OF NEW SHOCK PAD. GRADE ADJUSTMENT IS TO EXTEND 10' FROM NAILER BOARD.



NOTE:
 1. TOP OF NAILER ELEVATION TO BE EQUAL TO TOP OF CONCRETE MINUS DEPTH OF INFILL. SEE MANUFACTURER SPECIFICATIONS FOR INFILL DEPTH.
 2. EXISTING CONCRETE OR CURB = FINISH GRADE.
 3. TOP OF INFILL = FINISH GRADE.

02 NAILER BOARD SECTION

SCALE: NTS



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PROJ.	16167
APPROVED:	

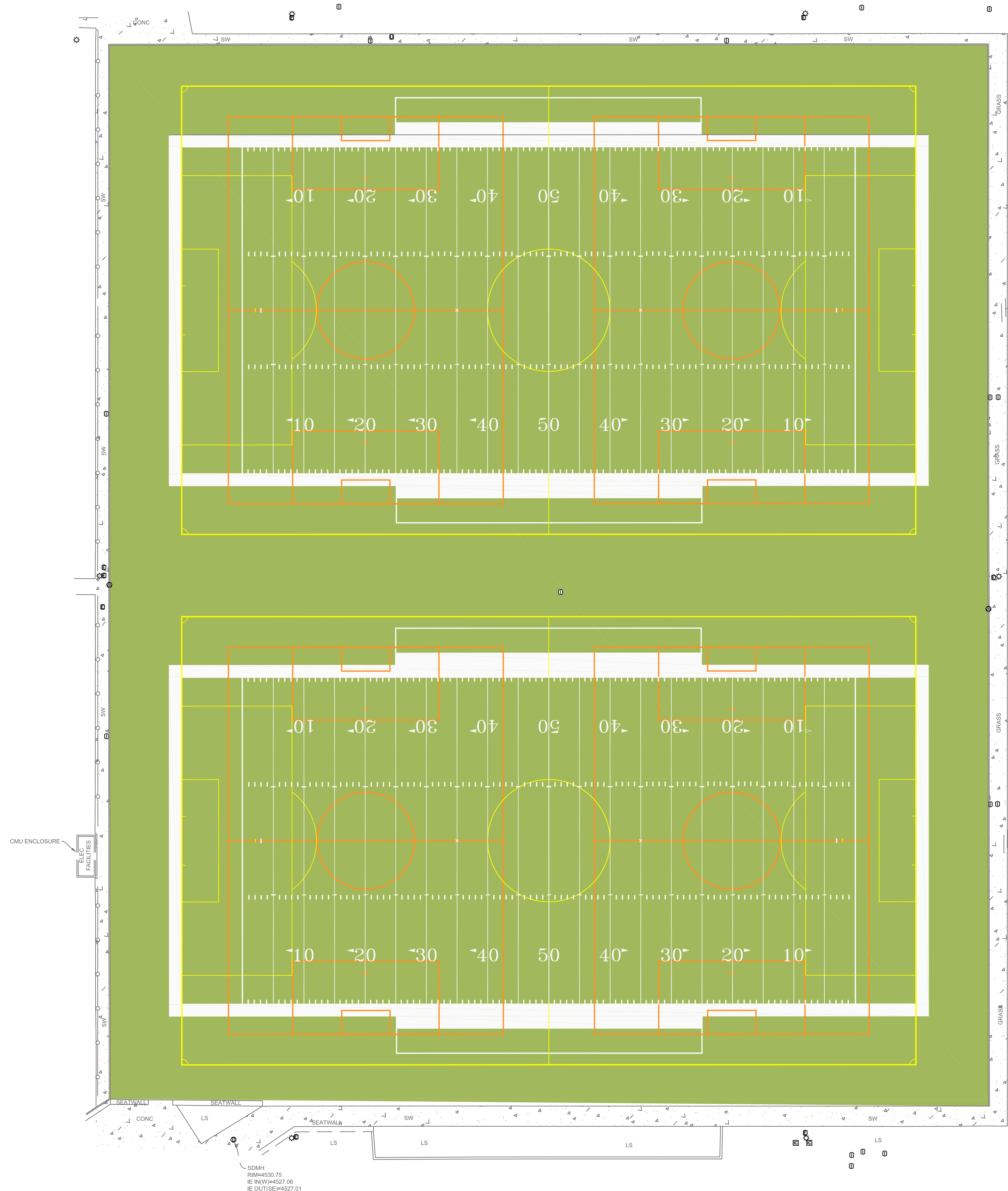
SURFACING

DWG. NO.
PF-03

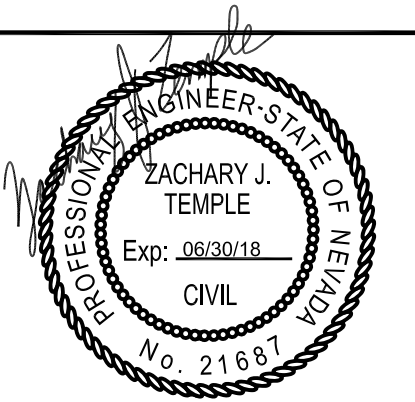
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GRAPHICS PLAN NOTES

1. THIS GRAPHICS PLAN IS FOR REFERENCE ONLY. THE TURF MANUFACTURER AND INSTALLER MUST SUBMIT FOR REVIEW SHOP DRAWINGS PER SPECIFICATIONS.
2. ALL LINE WORK MUST BE IN ACCORDANCE WITH NFHS RULES OR USYS RULES AND REGULATIONS FOR SOCCER AND FOOTBALL.
3. TURF MAY NOT BE PURCHASED UNTIL SHOP DRAWINGS AND PHYSICAL SAMPLES ARE APPROVED IN WRITING BY THE OWNER.
4. WHITE FOOTBALL YARD LINES AND NUMBERS ARE DOMINANT OVER YELLOW AND ORANGE SOCCER LINES.
5. YELLOW SOCCER LINES ARE DOMINANT OVER ORANGE U10 LINES AND OVER WHITE FOOTBALL SIDELINES BUT BELOW WHITE FOOTBALL YARD LINES AND NUMBERS.
6. ORANGE U10 SOCCER IS DOMINANT OVER WHITE FOOTBALL SIDELINES BUT BELOW YELLOW SOCCER LINES AND WHITE FOOTBALL YARD LINES AND NUMBERS.



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**GERP Fields 7 & 8
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 City of Sparks, NV

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COLOR GRAPHICS PLAN

DWG. NO.
PF-04