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- ARCHITECTURAL
- CIVIL
- STRUCTURAL
- CONSTRUCTION
- ENVIRONMENTAL
- MECHANICAL
- FORENSIC

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**SYNTHETIC TURF
FIELD AND FIELD
LIGHTING**

**AT THE
MT. OLIVE
HIGH SCHOOL**

**FOR THE
MT. OLIVE
BOARD OF
EDUCATION**

**MORRIS COUNTY
NEW JERSEY**

**CONSTRUCTION
PLAN**

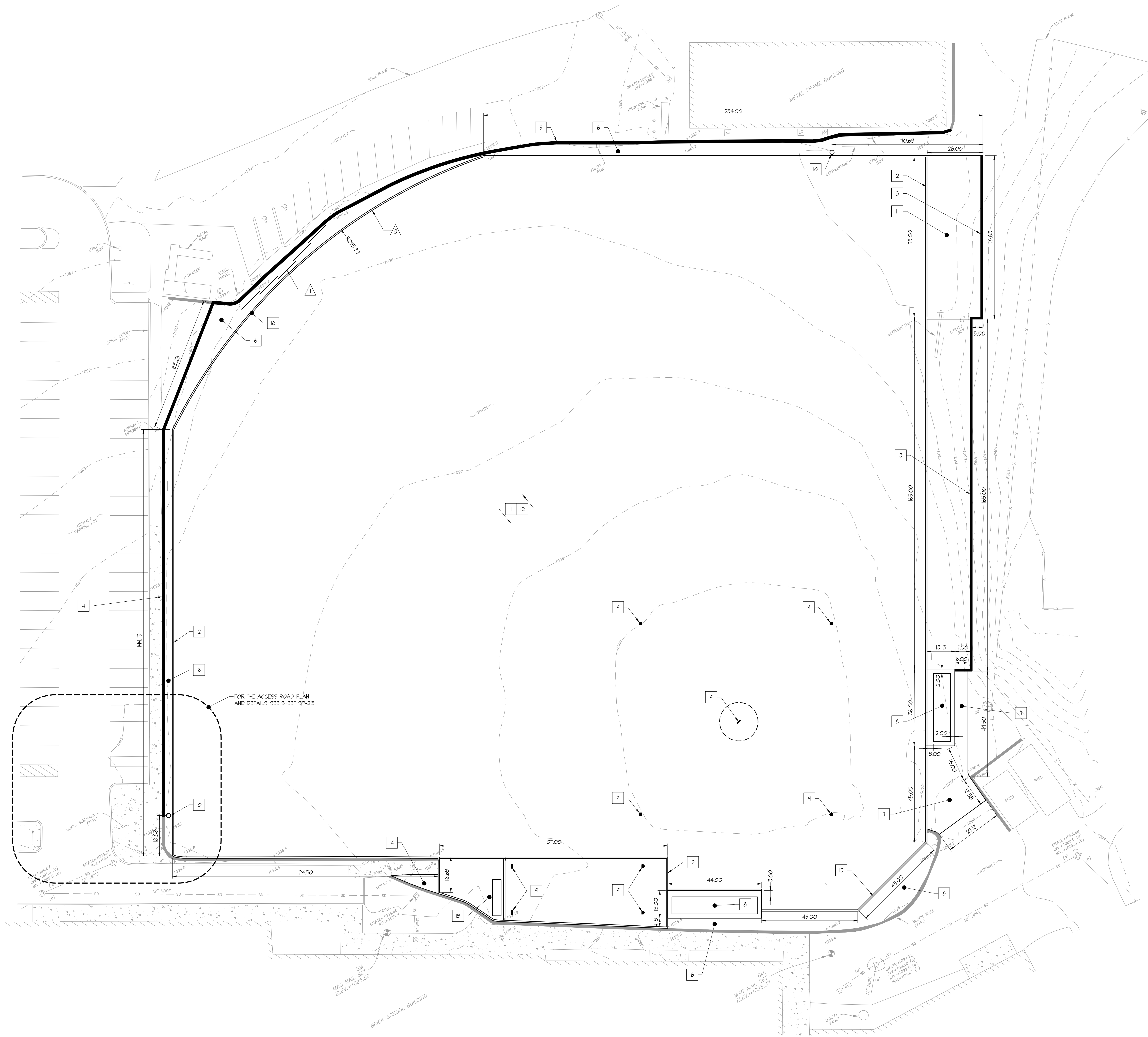
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REVISION

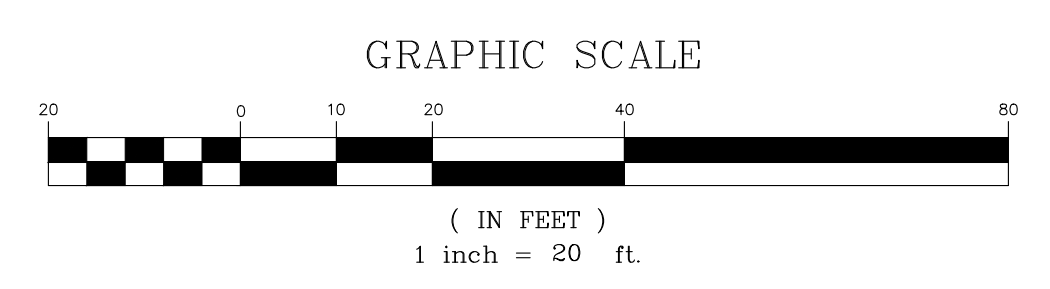
SP-2.1



- ## BASE BID CONSTRUCTION NOTES:**
1. INSTALL NEW MIN. 1 1/2" BASE STONE, AND MIN. 2" TOP STONE. TOP STONE SHALL BE PROPERLY LASER GRADED TO ACCOMMODATE NEW SYNTHETIC TURF. INSTALL ALL UNDERGROUND UTILITIES AS PER SP-2.2, SP-2.3 AND DETAILS ON SP-4.1.
 2. INSTALL CONCRETE CURB AROUND PERIMETER OF FIELD AND WHERE SHOWN. INSTALL CURB AS PER DETAILS ON SP-4.1.
 3. INSTALL NEW KEYSTONE STANDARD-STRAIGHT SPLIT SERIES I REINFORCED (TO INCLUDE GEO-GRID) RETAINING WALL WHERE SHOWN, AS PER DETAIL ON SP-4.1. BACKFILL AREA BEHIND WALL AND INSTALL 4" RED FEEL GRAVEL. WALL SHALL BE APPROX. 260 FEET LONG.
 4. INSTALL NEW KEYSTONE STANDARD-STRAIGHT SPLIT SERIES I GRAVITY RETAINING WALL. NEW WALL SHALL BE FLUSH WITH EXISTING WALL. INSTALL ADDITIONAL BLOCKS AS NECESSARY TO EXISTING WALL AND SHALL TIE INTO EXISTING RETAINING WALL ON OPPOSITE END. THE HEIGHT OF THE NEW WALL SHALL MEET THE ELEVATION OF THE NEW SYNTHETIC TURF CONCRETE CURB (STEP WALL AS NECESSARY). INSTALL NEW CAP STONE ALONG FULL LENGTH OF WALL. BACKFILL BEHIND NEW WALL AS NECESSARY AND INSTALL WASHED GRAVEL, 4" THICK.
 5. INSTALL ADDITIONAL BLOCK COURSES ON EXISTING RETAINING WALL (TO MATCH EXISTING) TO MEET THE ELEVATION OF THE NEW SYNTHETIC TURF CONCRETE CURB (STEP WALL AS NECESSARY). REPLACE CAP STONE ALONG FULL LENGTH OF WALL. BACKFILL BEHIND WALL AND INSTALL 5/4" CLEAN STONE, 4" THICK.
 6. INSTALL WASHED GRAVEL, 4" THICK IN AREA BETWEEN RETAINING WALL AND CONCRETE CURB.
 7. INSTALL NEW ASPHALT WHERE SHOWN AS PER ASPHALT SECTION DETAIL ON SP-4.1.
 8. INSTALL NEW CONCRETE PADS (PER DETAIL) AND NEW DUGOUTS. THIRD BASE DUGOUT SHALL BE A SPORTSFIELD SPECIALTIES EDK802 WITH OPTIONAL 6' STORAGE CLOSET WITH 36" STEEL ENTRY DOOR (DOOR SHALL BE ON THE INSIDE OF THE DUGOUT). FIRST BASE DUGOUT SHALL BE A SPORTSFIELD SPECIALTIES EDK802. THIRD BASE DUGOUT SHALL INCLUDE THREE (3) SPORTSFIELD SPECIALTIES TWO TIER POLYBOARD BENCHES (PTBT10). FIRST BASE DUGOUT SHALL INCLUDE THREE (3) SPORTSFIELD SPECIALTIES TWO TIER POLYBOARD BENCHES (2) PTBT10, (1) PTBT10. BOTH DUGOUTS SHALL INCLUDE ONE (1) SPORTSFIELD SPECIALTIES SUANCB855 HELMET, BAT BIN AND SIDE STORAGE STAND-UP CUBBY UNIT.
 9. INSTALL BASEBALL BASES AND PITCHER'S MOUNDS AS PER MANUFACTURER'S SPECIFICATIONS. PITCHER'S MOUND SHALL BE SPORTSFIELD SPECIALTIES PFB17 BROWN INFIELD TURF PORTA-PITCH PORTABLE BASEBALL PITCHER'S MOUND (TO INCLUDE INFILL). BULL PEN PITCHER'S MOUND (2) SHALL BE SPORTSFIELD SPECIALTIES PFBP8 PORTA-PITCH PITCHER'S BULL PEN MOUND. ALL BASES SHALL BE SPORTSFIELD SPECIALTIES SHATTI SCHUTTMOLLYWOOD ANCHORED SYSTEM. ALL NEW BASES AND PITCHER'S MOUNDS SHALL BE SPACED OUT AS PER NFHS STANDARDS.
 10. INSTALL NEW FOUL POLE AND CONCRETE SONOTUBE FOOTING (12'-0" DIAMETER, 5'-0" DEEP). FOUL POLES SHALL BE SPORTSFIELD SPECIALTIES PPH420P. FOUL POLE SYSTEM, 20' H. WITH KING.
 11. RE-INSTALL EXISTING BATTING CAGE IN AREA SHOWN. CONTRACTOR SHALL PROVIDE ALL NEW CONCRETE FOOTINGS AND GROUND ELEVATIONS. THE EXISTING BATTING CAGE IS A JANTRO SPORTS PROFF-10.
 12. INSTALL NEW CHAINLINK FENCES, GATES, NETTING POLES, SUPPORTS AND NETS AS PER SHEET SP-2.4.
 13. INSTALL 4'-0" x 10'-0" CONCRETE PAD (PER DETAIL) FOR NEW LIGHTING ELECTRICAL PANEL.
 14. INSTALL CONCRETE SIDEWALK IN AREA SHOWN. NEW SIDEWALK SHALL BE FLUSH WITH EXISTING.
 15. INSTALL BEACON ATHLETICS 45x45x45 (3) SEGMENT (4) POLE 60' TALL NET SYSTEM AND 4' TALL BEACON WALL WITH PADS. INSTALL ALL NECESSARY FOOTINGS AS PER MANUFACTURER'S SPECIFICATIONS. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SIGNED AND SEALED BY A LICENSED ENGINEER. COLOR OF WALL PADS SHALL BE CHOSEN BY OWNER. TO ALSO INCLUDE ONE (1) 4'-0" HIGH LOGO.
 16. INSTALL NEW 6'-0" HIGH WIND SCREEN ALONG FULL LENGTH OF OUTFIELD FENCE. COLOR CHOSEN BY OWNER. THE WORDS 'MOUNT OLIVE MARAUDERS' SHALL BE PRINTED IN ONE PLACE.
 17. CONTRACTOR SHALL INCLUDE BASEBALL FIELD DIMENSIONS SIGNS IN FIVE (5) LOCATIONS ON THE OUTFIELD FENCE (BASE BID). PRINTED IN FIVE (5) LOCATIONS (ALTERNATE #3).
- △ ALTERNATE #1 CONSTRUCTION NOTES:**
1. INSTALL NEW BEACON ATHLETICS INSTANT EYE SYSTEM. THE SYSTEM SHALL CONSIST OF FIVE (5) 12'-0" WIDE OVERLAPPING KING PANELS FOR AN OVERALL LENGTH OF 56'-0". THE SYSTEM SHALL EXTEND TO A FULL HEIGHT OF 30'-0". INSTALL ALL NECESSARY CONCRETE SONOTUBE FOOTINGS (2'-0" WIDE x 5'-0" DEEP). THE INSTANT EYE SYSTEM SHALL BE CENTERED ON HOME PLATE.
- △ ALTERNATE #2 CONSTRUCTION NOTES:**
1. SEE SHEET SP-2.3, SP-4.2, SP-4.3, SP-4.4, SP-4.5, AND SHEET E-1 FOR FULL DETAILS. ALTERNATE #1 INCLUDES THE INSTALLATION OF SIX (6) NEW FIELD LIGHT POLES, AS WELL AS ALL ASSOCIATED POLE FOUNDATIONS, LIGHT FIXTURES, WIRING, ELECTRICAL PANELS, TRANSFORMER CONTROL PANEL AND CIRCUIT BREAKERS. INSTALL LIGHTS, SWITCHES, RECEPTACLES AND ALL ASSOCIATED WIRING AND CIRCUIT BREAKERS IN DUGOUTS.
- △ ALTERNATE #3 CONSTRUCTION NOTES:**
1. INSTALL SPORTSFIELD SPECIALTIES 4" WIDE x 6" HIGH x 3/8" THICK FIELD WALL PADDING WITH CHAIN LINK BOLT AND PLATE MOUNT ALONG FULL LENGTH OF OUTFIELD FENCE. COLOR TO BE CHOSEN BY OWNER. THE WORDS 'MOUNT OLIVE MARAUDERS' SHALL BE PRINTED ON THE WALL PADDING IN ONE PLACE. INSTALL SPORTSFIELD SPECIALTIES BASE ZONE CHAIN LINK TOP RAIL PADDING ALONG FULL LENGTH OF OUTFIELD FENCE.
- NOTE:**
- FOR ALL PRODUCTS LISTED, CONTRACTOR SHALL PROVIDE SPECIFIED PRODUCT OR APPROVED EQUAL.
- NOT IN CONTRACT:**
- THE SYNTHETIC TURF SYSTEM SHALL NOT BE INCLUDED IN THIS CONTRACT.

**ALL SURVEY DATA
TAKEN FROM:**

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1 CONSTRUCTION PLAN
1" = 20'-0"