LNHS BASEBALL & SOFTBALL UPGRADES
Liberty Public Schools 53
1000 NE 104th Street
Liberty, MO 64068
CONSTRUCTION DOCUMENT SET

INDEX OF DRAWINGS

SCOPE OF WORK - SUMMARY

VICINITY MAP

ALTERNATES

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CONSTRUCTION DOCUMENT SET

JOB NO: 23047
23047 GT
Liberty Public Schools 53
LNHS Baseball & Softball Upgrades
1000 NE 104th Street
Liberty, MO 64068
07.12.23

SCOPE OF WORK - SUMMARY

THE SCOPE OF THIS PROJECT IS TO CONVERT EXISTING BASEBALL AND SOFTBALL PLAYING FIELDS FROM NATURAL GRASS TO SYNTHETIC TURF. RELATED TO THE CONVERSION WILL BE NEW PERIMETER FENCING AND BACKSTOP NETTING. NO VERTICAL CONSTRUCTION IN THE TRADITIONAL SENSE WILL TAKE PLACE WITH THIS WORK. THERE ARE A FEW VERTICAL ELEMENTS (POLES) WHICH WILL BE SET AS PART OF THE WORK.

ALTERNATES

ALTERNATE No. 1 (23023.00 LHS) - ADD COVERED SCORER'S BOX AT SOUTH END OF HOME DUGOUT

ALTERNATE No. 2 (23047.00 LNHS) - RETROFIT SCORER'S BOX INTO VISITING BASEBALL AND SOFTBALL DUGOUT

ALTERNATE No. 3 (23047.00 LNHS) - CONVERT MULTI-PURPOSE FIELD'S INFIELD TO SYNTHETIC TURF AND INSTALL BACKSTOP NETTING AND ASSOCIATED FOOTINGS

ALTERNATE No. 4 (23047.00 LNHS) - ADD CHAMPIONWALL AND ASSOCIATED FOOTINGS AT BASEBALL FIELD IN LIEU OF 8'-0" BLACK PVC FENCE

ALTERNATE No. 5 (23023.00 LHS) - CONVERT MULTI-PURPOSE FIELD'S INFIELD TO SYNTHETIC TURF AND INSTALL BACKSTOP NETTING DUGOUTS AND ASSOCIATED FOOTINGS

ALT. No. Description Date

ALTERNATE No. 1 (23023.00 LHS) - ADD COVERED SCORER'S BOX AT SOUTH END OF HOME DUGOUT

LHS: Liberty High School
LNHS: Liberty North High School
MHS: Merriam High School

UTILITY NOTES:

1. THE DRAFTED PIPE DIA. DETAILS
   
2. CONTINUE TO SEE THE EXISTING SITE FOR PIPING DETAILS
   
3. AS SHOWN HERE ONLY A SECTION OF THE SITE WILL BE IN PIPING
   
4. MORE DETAILS SHOWN ON THE SITE AND OTHER DRAWINGS
   
5. ALL WORK SHOWN TO BE COMPLETED BY LAWN SERVICE
   
6. ADJUSTMENTS TO EXISTING UTILITIES MUST BE PROVIDED BY THE EXISTING SERVICES PROFESSIONAL

SCALE: 1"=30'

LIBERTY PUBLIC SCHOOLS 53
LNHS Baseball & Softball Upgrades
1000 NE 104th Street
Liberty, MO 64068
GRADING NOTES:
1. ALL WORK EXCEPT WALKS TO BE COMPLETED:
2. ALL WORK TO BE COMPLETED IN DRY WEATHER:
3. ALL CONSTRUCTION TO BE COMPLETED BEFORE FALL FROST:
4. ALL WORK TO BE COMPLETED AFTER FALL FROST:

PAVING NOTES:
1. ALL WORK TO BE COMPLETED IN DRY WEATHER:
2. ALL WORK TO BE COMPLETED BEFORE FALL FROST:
3. ALL WORK TO BE COMPLETED AFTER FALL FROST:
4. ALL WORK TO BE COMPLETED IN DRY WEATHER:
5. ALL WORK TO BE COMPLETED BEFORE FALL FROST:
6. ALL WORK TO BE COMPLETED AFTER FALL FROST:

GRADING LEGEND:
- 0'-0" - Proposed Grading
- 22'-0" - Final Grade

PAVING LEGEND:
- 1" Gravel Base

Please consider the environment before printing this.
ALTERNATE No. 3
- DEMOLISH EXISTING BACKSTOP
- PROVIDE TURF INFIELD AND ASSOCIATED PERIMETER
  CONCRETE CURB WHERE INFIELD MEETS NATURAL GRASS.
  ASSUMED EXISTING FLATWORK NEAR DUGOUTS AND BEHIND HOME PLATE IS THICK ENOUGH TO ACCEPT TURF NAILER
- (2) SETS OF BASE SLEEVES AND PLUGS AT 60' AND 90'
- (1) OF EA OF THE FOLLOWING: BB-001, BB-002, BB-345
- (1) PM-13
- POLE-TO-POLE TENSION NETTING SYSTEM WITH INTEGRATED WALL PAD BACKSTOP TNPP36WPB BY SPORTSFIELD SPECIALTIES OR EQUAL
SITE - GENERAL NOTES
1. REFER TO SHEET AS681 FOR EQUIPMENT SCHEDULE.
2. ALL CHAINLINK FENCE TO BE 8'-0" IN HEIGHT UNLESS NOTED OTHERWISE.
3. EXISTING FENCING POLES TO REMAIN SHALL BE PREPARED WITH ACRYLIC METAL PRIMER FOR GALVANIZED SURFACES PRIOR TO PAINTING.
4. BASE PATHS, FOUL LINES, BATTERS BOXES, COACHES BOXES AND ALL OTHER FIELD STRIPING TO BE STITCHED IN WHITE TURF.
5. INSTALLER RESPONSIBLE FOR MEETING ALL FIELD OF PLAY GUIDELINES ASADOPTED BY MSHSAA AND NFHS.

SITE - KEYED NOTES
1. EXISTING PORTION OF FIELD TO REMAIN.
2. ALL RESTROOMS TO REMAIN.
3. EXISTING PORTION OF FIELD TO REMAIN.
4. PROVIDE NEW TURF AT EXISTING BATTING CAGE.

TURF COLOR LEGEND
FIELD GREEN
LIME GREEN
BROWN

CONCRETE SUBSURFACE
AS112
G1

FIELD LEVEL - BASEBALL

PROVIDE NEW TURF AT EXISTING BATTING CAGE

CUT OUT AND STITCH IN (2) HOME PLATES IN WHITE TURF

PROVIDE NEW TURF AT EXISTING BATTING CAGE

TURF PROVIDER:

CONSTRUCTION DOCUMENTS

ARCHITECTURAL SITE PLAN - BASEBALL

DRAWN BY:
DATE:
REVISIONS:

CHECKED BY:
MKEC
Civil Engineer
State Certificate of Authority #2001009394
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913.917.9390 phone

Smith & Boucher
Mechanical, Electrical and Plumbing Engineers
State Certificate of Authority #EGC000178
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Olathe, KS 66061
913.345.2127 phone

The Professional Architects seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings, or documents not exhibiting this seal.

Missouri State Certificate of Authority
Structure # 2006031333
Hollis + Miller Architects

LIBERTY PUBLIC SCHOOLS
53 LNHS BASEBALL & SOFTBALL UPGRADES
1000 NE 104th Street Liberty, MO 64068

7/12/2023 8:15:55 AM
Special Inspection of Soils - Table 1705.6

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<th>Notes</th>
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<td>1</td>
<td>Visually inspect for suitable foundation</td>
<td>Yes</td>
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<td>2</td>
<td>Perform visual and field testing of soils</td>
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<td>3</td>
<td>Perform geotechnical investigations</td>
<td>Yes</td>
<td></td>
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<tr>
<td>4</td>
<td>Perform geotechnical investigations</td>
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<td>Perform geotechnical investigations</td>
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<td>6</td>
<td>Inspect for maintenance of specified curing</td>
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<td>7</td>
<td>Inspect concrete and shotcrete placement for proper</td>
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<td>8</td>
<td>Verify use of proper materials, densities and lift thicknesses</td>
<td>Yes</td>
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<tr>
<td>9</td>
<td>Verify that controlled fill is to be used</td>
<td>Yes</td>
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<td>10</td>
<td>Ensure that all work is done from the inside</td>
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Special Inspection of Concrete Construction - Table 1705.3

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<td>Impact testing, including pre- and post- testing, and</td>
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<td>Use of proper materials, including pre- and post- testing,</td>
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<td></td>
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<tr>
<td>3</td>
<td>Use of proper materials, including pre- and post- testing,</td>
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<tr>
<td>4</td>
<td>Monitor the use of properly installed and</td>
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<td>5</td>
<td>Use of properly installed and</td>
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<td>6</td>
<td>Use of properly installed and</td>
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<td>Use of properly installed and</td>
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<td>8</td>
<td>Use of properly installed and</td>
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</tr>
<tr>
<td>9</td>
<td>Use of properly installed and</td>
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SYMBOLS LEGEND

- PLAN VIEW
- ELEVATION DRAW
- SECTION DRAW
- REVIEWS COPY
- BAR SIZE
- GIRDER SPECIFICATION
- BEAM SPECIFICATION
- ROLLER SPECIFICATION
- SHEET NUMBER
- SHEET NUMBER

GENERAL NOTES, LEGENDS, & SPECIAL INSPECTIONS
Typical 70’ Musco Light Pole Footing

GEOTECHNICAL REPORT
BY MANUFACTURER TO MEET POLE. FINAL DESIGNS SHALL BE

07/12/2023

14’ - 0” DRILLED PI ERM DEEMMENT DEPTH
PER LIGHT POLE MFR

2’ - 0” PER LIGHT POLE MFR

2’ - 6” LIGHT POLE MFR

CONCRETE BACKFILL PER POLE MFR

STEEL POLE PER LIGHT POLE STRUCTURE,

1. THIS FOUNDATION IS NOT NOTES:

Typical Tension Backstop Netting Footing

REPORT
AFTER RECEIPT OF A) POLE HEIGHT = 43’ ABOVE GRADE (MAX ECCENTRICITY OF 21’ - 6” ACTING AT A VERTICAL LOAD OF MAXIMUM HORIZONTAL WITHSTAND A DESIGNED TO

3/4” = 1’-0”

EQUIP MFR

NETTING POLE PER EQUIP MFR

3” CLR

1” WASH, TYP FINISH GRADE PER CIVIL

POLE EMBED TIES & TIES @ BOT

TOP (3) TIES & TIES @ 10” OC, 1/2 SPACE

1. ALL SPLICE LENGTHS ARE IN INCHES.

2. THIS TABLE SHALL BE USED FOR CONCRETE ONLY. REFER TO OTHER DEVELOPMENT LAP SPLICE LENGTHS.

3. THE TENSION DEVELOPMENT LENGTH (Ld) IS EQUAL TO THE SCHEDULED “CLASS A” LAP LENGTH.

5. OTHER BARS INCLUDE TOP BARS AND ALL OTHER BARS THAT HAVE MORE THAN 12” OF THICK OR LESS, TABULATED SPLICE LENGTHS FOR BOTTOM BARS SHALL BE USED.

2. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY MULTIPLYING THE SMALLER BAR BUT MAY NOT BE LESS THAN THE “CLASS A” SPLICE LENGTH OF THE LARGER BAR.

BARS BY 1.5 AND THE TABULATED SPLICE LENGTHS OF OTHER BARS BY 1.3. FOR TOP REINFORCEMENT IN SLABS THAT ARE 12” OR FRESH CONCRETE BELOW THE BAR.

NOTES:

3/4” = 1’-0”

A9

Typical Batter’s Eye Footing

BATTER’S EYE MFR; AND B) BASE REACTIONS FROM RECEIPT OF A) VERIFIED BE CONFIRMED AFTER

10’ - 0” MIN

4’ - 0” MIN POLE EMBED PER EQUIP MFR

16’ - 4 1/2” ABOVE GRADE

ECCENTRICITY OF 3050 LB (ASD) ACTING AT

HEIGHT = 40’ ABOVE GRADE

MAX POLE LOAD OF WITHSTAND A MAXIMUM HORIZONTAL

DESIGNED TO WITHSTAND A MAXIMUM HORIZONTAL

EQUIP MFR

NETTING POLE PER EQUIP MFR

1533

PROVIDE 1” WASH, TYP FINISH GRADE PER CIVIL

POLE EMBED TIES & TIES @ BOT

TOP (3) TIES & TIES @ 10” OC, 1/2 SPACE

2. FOUNDATION SIZE SHALL NOTES:

A) SITE GEOTECHNICAL FOUL POLE MFR; AND

BATTER’S EYE COLUMN BASE REACTIONS FROM RECEIPT OF A) VERIFIED BE CONFIRMED AFTER

16’ - 4 1/2” ABOVE GRADE

ECCENTRICITY OF 3050 LB (ASD) ACTING AT

HEIGHT = 43’ ABOVE GRADE (MAX POLE LOAD OF WITHSTAND A MAXIMUM HORIZONTAL

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