ADDENDUM NO. 3

July 28, 2022

Lawrence Township High School Site Improvements
7802 Hague Road, Indianapolis, IN 46256
7300 E. 56th St., Indianapolis, IN 46226

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and Drawings dated June 22, 2022, by Schmidt Associates. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 3-1 through ADD 3-2 and attached Schmidt Associates Addendum No. 3, dated July 28, 2022 consisting of 2 pages, Specification Sections – 32 18 23 Infield Mix for Skinned Area and Drawing Sheets G-000.N, CD101.N, CD106.N, CL107.N, CL502.N, LP102.N, CL108.N, TF101.N, LP101.C, LP103.C and CL502.C.

A. SPECIFICATION SECTION 00 00 20 TABLE OF CONTENTS

Add Sections

32 18 23 Infield Mix for Skinned Area

B. SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY

A. BID CATEGORY NO. 01 – GENERAL TRADES

Add Sections

32 18 23 Infield Mix for Skinned Area

Add Clarifications:

12. The Site Grading on Sheet CG106.N is Base Bid Scope. It not Alternate work and is the responsibility of the **BC#1 Contractor.**
13. Sheet CL105.C – The curb around the island is per Detail 2A on Sheet CL501.N. The curb at the sidewalk is per Detail 2B on Sheet CL501.N.

14. Sheet CL110.C – The curb at the sidewalk is per Detail 2B on Sheet CL501.N.

B. BID CATEGORY NO. 03 – ASPHALT PAVING

Add Clarifications:

4. There is a fabric interlayer in the existing asphalt at LN.

C. BID CATEGORY NO. 06 – ELECTRICAL & TECHNOLOGY

Add Clarifications:

3. Sheet ES104.N – The lighting for the shotput and discus area is in Alternate 5.

ADDENDUM NO. 3
JULY 28, 2022

PREPARED BY SCHMIDT ASSOCIATES FOR:

LAWRENCE NORTH AND LAWRENCE CENTRAL ATHLETIC FIELDS
LAWRENCE TOWNSHIP, M.S.D. OF

This Addendum consists of 2 Addendum pages and 28 attachment pages totaling 30 pages.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

Bidder is encouraged to verify with reprographer of record all Addenda issued (do not rely exclusively on third party plan room services).

PART 1 - CHANGES TO PRIOR ADDENDA

1.1 ADDENDUM NO. 2

A. DELETE AND REPLACE Section 101426 “Post and Panel Signage” in its entirety and replace with attached “Sign Materials General Notes”

B. DELETE AND REPLACE Section 329300 “Plants” in its entirety and replace with the attached.

PART 2 - CHANGES TO THE PROJECT MANUAL

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

2.1 DIVISION 08 – OPENINGS

A. **Section 081113 “HOLLOW METAL DOORS AND FRAMES”**

1. ADD Subparagraph 2.1.A.5. as follows:

“5. De La Fountaine.”

2.2 DIVISION 32 - EXTERIOR IMPROVEMENTS

A. **Section 321823 “INFIELD MIX FOR SKINNED AREA”**

1. ADD Section 321823 in its entirety per the attached.

B. **Section 321823.99 "SYNTHETIC TURF PLAYING SURFACE"**

1. INSERT Paragraph 2.6 as follows:

"2.6 Concrete Curb

A. Install perimeter concrete curb as shown on details. For curbs to be installed on existing fields with existing perimeter fences, remove portions of existing fence footers as required to install new curb within 6inches of the existing fence. Existing fence and footer to remain in place. Contractor is responsible for damage to perimeter fence. "

B. **Section 329228.99 "POROUS STONE BASE AND DRAINAGE SYSTEM FOR SYNTHETIC TURF PLAYING SURFACE"**

1. MODIFY Paragraph 1.2.A.2.a. to read "General: All work associated with the preparation of the stone base and drainage system to receive the new synthetic turf playing surface."
2. DELETE Paragraphs 1.2.A.2.e. 1,2,3.
3. DELETE Paragraph 1.4.A. in its entirety.

PART 3 - CHANGES TO THE DRAWINGS

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain un-changed.

3.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS LAWRENCE NORTH

DRAWING NO.	INDICATE ACTION: REPLACE (R), ADD (A), DELETE (D)
G-SERIES DRAWINGS	
G-000.N	DELETE AND REPLACE
C-SERIES DRAWINGS	
C**D101.N**	DELETE AND REPLACE
C**D106.N**	DELETE AND REPLACE
CL107.N	DELETE AND REPLACE
CL502.N	DELETE AND REPLACE
L**P102.N**	ADD
CL108.N	DELETE AND REPLACE
T-SERIES DRAWINGS	
TF101.N	DELETE AND REPLACE

3.2 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS FOR LAWRENCE CENTRAL

DRAWING NO.	INDICATE ACTION: REPLACE (R), ADD (A), DELETE (D)
C-SERIES DRAWINGS	
LP101.C	DELETE AND REPLACE
L**P103.C**	ADD
CL502.C	DELETE AND REPLACE

END OF ADDENDUM 3

AVAILABLE PROJECT INFORMATION

The following Bidders' Questions Sheet is being made available to Bidders for informational purposes only and is not a part of the Addendum.

MSD Lawrence Township – Lawrence Site Improvements
2018-050.LCA and 2018-050.LNA
SIGN MATERIALS GENERAL NOTES

1. Stacked post, directional sign and electronic sign cabinet materials:
    a. Aluminum Sheet and Plate: ASTM B 209, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with at least the strength and durability properties of Alloy 5005-H32.
        i. Aluminum sheet for stacked post panels: 0.080 inch.
        ii. Aluminum sheet for directional sign and electronic sign cabinet: 0.125”
    b. Aluminum Extrusions: ASTM B 221, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with at least the strength and durability properties of Alloy 6063-T5.
        i. Coordinate dimensions and attachment methods to produce message panels with closely fitting joints. Align edges and surfaces with one another in the relationship indicated.
        ii. Increase metal thickness or reinforce with concealed stiffeners or backing materials as needed to produce surfaces without distortion, buckles, warp, or other surface deformations.
        iii. Continuously weld joints and seams unless other methods are indicated; grind, fill, and dress welds to produce smooth, flush, exposed surfaces with welds invisible after final finishing.
2. Sign logo/graphics:
    a. Graphics to be direct bed printed on aluminum sheet and laminated with UV stabilization and protection layer.
    b. Front and back of sign panels to be painted with base color.
    c. Graphic to be printed on 1 side of sign.
    d. Colors and artwork to be provided by Owner.
    e. Only ADA, Stop and Do not enter signs are to be reflective per MUTCD standards.
    f. Aluminum stand-offs for logos shall be 1” x 1” with tamper resistant hardware.
3. Lettering on Electronic variable messaging sign
    a. Applied lettering at masonry: ¼” aluminum stud mounted.
    b. Lettering at cabinet: Routed lettering is a void in the face plate, backing to be painted aluminum.
4. Electronic Message Center
    a. Resolution to be 10 mm.
    b. Each sign location is double sided.
    c. EMC to be connected via data cable into school’s network.
    d. Sign support software shall be compatible with a network environment.
    e. School district shall have capability to control signs via network from Central office.
    f. Computers required to run system shall be provided by Owner.

SECTION 329300 - PLANTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Trees.
2. Shrubs.
3. Tree stabilization.

B. Related Sections:

1. Division 31 Section "Site Clearing" for protection of existing trees and plantings, topsoil stripping and stockpiling, and site clearing.
2. Division 31 Section "Earth Moving" for excavation, filling, and rough grading and for subsurface aggregate drainage and drainage backfill materials.
3. Division 32 Section "Turf and Grasses" for lawn and meadow planting.

1.3 DEFINITIONS

A. Backfill: The earth used to replace or the act of replacing earth in an excavation.

B. Balled and Burlapped Stock: Exterior plants dug with firm, natural balls of earth in which they are grown, with ball size not less than diameter and depth recommended by ANSI Z60.1 for type and size of tree or shrub required; wrapped, tied, rigidly supported, and drum laced as recommended by ANSI Z60.1.

C. Clump: Where three or more young trees were planted in a group and have grown together as a single tree having three or more main stems or trunks.

D. Container-Grown Stock: Healthy, vigorous, well-rooted exterior plants grown in a container with well-established root system reaching sides of container and maintaining a firm ball when removed from container. Container shall be rigid enough to hold ball shape and protect root mass during shipping and be sized according to ANSI Z60.1 for type and size of exterior plant required.

E. Finish Grade: Elevation of finished surface of planting soil.

F. Multi-Stem: Where three or more main stems arise from the ground from a single root crown or at a point right above the root crown.

G. Planting Soil: Native or imported topsoil, manufactured topsoil, or surface soil modified to become topsoil; mixed with soil amendments.

H. Subgrade: Surface or elevation of subsoil remaining after completing excavation, or top surface of a fill or backfill, before placing planting soil.

I. Subsoil: All soil beneath the topsoil layer of the soil profile, and typified by the lack of organic matter and soil organisms.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For qualified landscape Installer.

B. Product Certificates: For each type of manufactured product, from manufacturer, and complying with the following:

1. Manufacturer's certified analysis for standard products.
2. Analysis of other materials by a recognized laboratory made according to methods established by the Association of Official Analytical Chemists, where applicable.

C. Material Test Reports: For existing surface soil and imported topsoil.

D. Planting Schedule: Indicating anticipated planting dates for exterior plants.

E. Maintenance Instructions: Recommended procedures to be established by Owner for maintenance of exterior plants during a calendar year. Submit before expiration of required maintenance periods.

F. Warranty: Sample of special warranty.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: A qualified landscape installer whose work has resulted in successful establishment of exterior plants.

1. Installer's Field Supervision: Require Installer to maintain an experienced full-time supervisor on Project site when planting is in progress.

B. Soil-Testing Laboratory Qualifications: An independent laboratory, recognized by the State Department of Agriculture, with the experience and capability to conduct the testing indicated and that specializes in types of tests to be performed.

C. Topsoil Analysis: Furnish soil analysis by a qualified soil-testing laboratory stating percentages of organic matter; gradation of sand, silt, and clay content; cation exchange capacity; sodium absorption ratio; deleterious material; pH; and mineral and plant-nutrient content of topsoil.

1. Report suitability of topsoil for plant growth. State-recommended quantities of nitrogen, phosphorus, and potash nutrients and soil amendments to be added to produce satisfactory topsoil.

D. Provide quality, size, genus, species, and variety of exterior plants indicated, complying with applicable requirements in ANSI Z60.1, "American Standard for Nursery Stock."

E. Tree and Shrub Measurements: Measure according to ANSI Z60.1 with branches and trunks or canes in their normal position. Do not prune to obtain required sizes. Take caliper measurements 6 inches above the ground for trees up to 4-inch caliper size, and 12 inches above the ground for larger sizes. Measure main body of tree or shrub for height and spread; do not measure branches or roots tip-to-tip.

F. Observation: Architect may observe trees and shrubs either at place of growth or at site before planting for compliance with requirements for genus, species, variety, size, and quality. Architect retains right to observe trees and shrubs further for size and condition of balls and root systems, insects, injuries, and latent defects and to reject unsatisfactory or defective material at any time during progress of work. Remove rejected trees or shrubs immediately from Project site.

1. Notify Architect of sources of planting materials seven days in advance of delivery to site.

G. Preinstallation Conference: Conduct conference at Project site.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver exterior plants freshly dug.

B. Do not prune trees and shrubs before delivery except as approved by Architect. Protect bark, branches, and root systems from sun scald, drying, sweating, whipping, and other handling and tying damage. Do not bend or bind-tie trees or shrubs in such a manner as to destroy their natural shape. Provide protective covering of exterior plants during delivery. Do not drop exterior plants during delivery and handling.

C. Handle planting stock by root ball.

D. Deliver exterior plants after preparations for planting have been completed and install immediately. If planting is delayed more than six hours after delivery, set exterior plants and trees in shade, protect from weather and mechanical damage, and keep roots moist.

1. Water root systems of exterior plants stored on-site with a fine-mist spray. Water as often as necessary to maintain root systems in a moist condition.

1.8 PROJECT CONDITIONS

A. Planting Restrictions: Plant during one of the following periods. Coordinate planting periods with maintenance periods to provide required maintenance from date of Substantial Completion.

1. Spring Planting: April 1 - May 31.
2. Fall Planting: August 15 - October 15.

B. Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit planting to be performed according to manufacturer's written instructions and warranty requirements.
1. Retain paragraph below if there are lawns or revise if contrary to planting schedule.

C. Coordination with Lawns: Plant trees and shrubs after finish grades are established and before planting lawns unless otherwise acceptable to Architect.

1. When planting trees and shrubs after lawns, protect lawn areas and promptly repair damage caused by planting operations.

1.9 WARRANTY

A. Special Warranty: Installer's standard form in which Installer agrees to repair or replace plantings and accessories that fail in materials, workmanship, or growth within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Death and unsatisfactory growth, except for defects resulting from lack of adequate maintenance, neglect, abuse by Owner, or incidents that are beyond Contractor's control.
b. Structural failures including plantings falling or blowing over.
c. Faulty operation of tree stabilization.
d. Deterioration of metals, metal finishes, and other materials beyond normal weathering.

2. Warranty Periods from Date of Substantial Completion:

a. Trees and Shrubs: One year.

3. Include the following remedial actions as a minimum:

a. Remove dead exterior plants immediately. Replace immediately unless required to plant in the succeeding planting season.
b. Replace exterior plants that are more than 25 percent dead or in an unhealthy condition at end of warranty period.

c. A limit of one replacement of each exterior plant will be required except for losses or replacements due to failure to comply with requirements.
d. Provide extended warranty for replaced plant materials; warranty period equal to original warranty period.

1.10 MAINTENANCE SERVICE

A. Initial Maintenance Service for Trees and Shrubs: Provide full maintenance by skilled employees of landscape Installer. Maintain as required in Part 3. Begin maintenance immediately after each area is planted and continue until plantings are acceptably healthy and well established, but for not less than maintenance period below.

1. Maintenance Period: 12 months from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 TREE AND SHRUB MATERIAL

A. General: Furnish nursery-grown trees and shrubs complying with ANSI Z60.1, with healthy root systems developed by transplanting or root pruning. Provide well-shaped, fully branched, healthy, vigorous stock free of disease, insects, eggs, larvae, and defects such as knots, sun scald, injuries, abrasions, and disfigurement.

B. Provide trees and shrubs of sizes, grades, and ball or container sizes complying with ANSI Z60.1 for types and form of trees and shrubs required. Trees and shrubs of a larger size may be used if acceptable to Architect, with a proportionate increase in size of roots or balls.

C. Root-Ball Depth: Furnish trees and shrubs with root balls measured from top of root ball, which shall begin at root flare according to ANSI Z60.1. Root flare shall be visible before planting.

D. Label at least one tree and one shrub of each variety and caliper with a securely attached, waterproof tag bearing legible designation of botanical and common name.

E. If formal arrangements or consecutive order of trees or shrubs is shown, select stock for uniform height and spread, and number label to assure symmetry in planting.

2.2 TOPSOIL

A. Topsoil: ASTM D 5268, pH range of 5.5 to 7, a minimum of 4 percent organic material content; free of stones 1 inch or larger in any dimension and other extraneous materials harmful to plant growth.

1. Topsoil Source: Reuse surface soil stockpiled on-site. Verify suitability of stockpiled surface soil to produce topsoil. Clean surface soil of roots, plants, sod, stones, clay lumps, and other extraneous materials harmful to plant growth.

a. Supplement with imported or manufactured topsoil from off-site sources when quantities are insufficient. Obtain topsoil displaced from naturally well-drained construction or mining sites where topsoil occurs at least 4 inches deep; do not obtain from agricultural land, bogs or marshes.

2.3 MULCHES

A. Organic Mulch: Free from deleterious materials and suitable as a top dressing of trees and shrubs, consisting of one of the following:

1. Type: Shredded hardwood.

2.4 TREE STABILIZATION MATERIALS

A. Stakes and Guys:

1. Upright and Guy Stakes: Rough-sawn, sound, new hardwood, redwood, or pressure-preservative-treated softwood, free of knots, holes, cross grain, and other defects, 2-by-2-inch nominal by length indicated, pointed at one end.
2. Flexible Ties: Wide rubber or elastic bands or straps of length required to reach stakes or turnbuckles.
3. Guys and Tie Wires: ASTM A 641/A 641M, Class 1, galvanized-steel wire, 2-strand, twisted, 0.106 inch in diameter.
4. Hose Chafing Guards: Reinforced rubber or plastic hose at least 1/2 inch in diameter, , cut to lengths required to protect tree trunks from damage.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas to receive exterior plants for compliance with requirements and conditions affecting installation and performance.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Protect structures, utilities, sidewalks, pavements, and other facilities, and lawns and existing exterior plants from damage caused by planting operations.

B. Provide erosion-control measures to prevent erosion or displacement of soils and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways.

C. Lay out individual tree and shrub locations and areas for multiple plantings. Stake locations, outline areas, adjust locations when requested, and obtain Architect's acceptance of layout before planting. Make minor adjustments as required.

D. Lay out exterior plants at locations directed by Architect. Stake locations of individual trees and shrubs and outline areas for multiple plantings.

E. Wrap trees and shrubs with burlap fabric over trunks, branches, stems, twigs, and foliage to protect from wind and other damage during digging, handling, and transportation.

3.3 PLANTING BED ESTABLISHMENT

A. Loosen subgrade of planting beds to a minimum depth of 4 inches. Remove stones larger than 1 inch in any dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's property.

1. Apply fertilizer directly to subgrade before loosening.
2. Thoroughly blend planting soil mix off-site before spreading.

3. Spread planting soil mix to a depth of 4 inches but not less than required to meet finish grades after natural settlement. Do not spread if planting soil or subgrade is frozen, muddy, or excessively wet.

    a. Spread approximately one-half the thickness of planting soil mix over loosened subgrade. Mix thoroughly into top 4 inches of subgrade. Spread remainder of planting soil mix.

B. Finish Grading: Grade planting beds to a smooth, uniform surface plane with loose, uniformly fine texture. Roll and rake, remove ridges, and fill depressions to meet finish grades.

C. Before planting, restore planting beds if eroded or otherwise disturbed after finish grading.

3.4 EXCAVATION FOR TREES AND SHRUBS

A. Pits and Trenches: Excavate circular pits with sides sloped inward. Trim base leaving center area raised slightly to support root ball and assist in drainage. Do not further disturb base. Scarify sides of plant pit smeared or smoothed during excavation.

1. Excavate approximately three times as wide as ball diameter for balled and burlapped container-grown stock.
2. If drain tile is shown or required under planted areas, excavate to top of porous backfill over tile.

B. Subsoil removed from excavations may not be used as backfill.

C. Obstructions: Notify Architect if unexpected rock or obstructions detrimental to trees or shrubs are encountered in excavations.

1. Hardpan Layer: Drill 6-inch- diameter holes, 24 inches apart, into free-draining strata or to a depth of 10 feet, whichever is less, and backfill with free-draining material.

D. Drainage: Notify Architect if subsoil conditions evidence unexpected water seepage or retention in tree or shrub pits.

E. Fill excavations with water and allow to percolate away before positioning trees and shrubs.

3.5 TREE AND SHRUB PLANTING

A. Before planting, verify that root flare is visible at top of root ball according to ANSI Z60.1.

B. Set balled and burlapped stock plumb and in center of pit or trench with top of root ball 1 inch above adjacent finish grades.

1. Remove burlap and wire baskets from tops of root balls and partially from sides, but do not remove from under root balls. Remove pallets, if any, before setting. Do not use planting stock if root ball is cracked or broken before or during planting operation.
2. Place planting soil mix around root ball in layers, tamping to settle mix and eliminate voids and air pockets.

C. Set container-grown stock plumb and in center of pit or trench with top of root ball [flush with] [1 inch above] [2 inches above] <Insert dimension> adjacent finish grades.

1. Carefully remove root ball from container without damaging root ball or plant.
2. Place planting soil mix around root ball in layers, tamping to settle mix and eliminate voids and air pockets.

D. Organic Mulching: Apply 3-inch average thickness of organic mulch extending 12 inches beyond edge of planting pit or trench. Do not place mulch within 3 inches of trunks or stems.

3.6 TREE AND SHRUB PRUNING

A. Remove only dead, dying, or broken branches. Do not prune for shape.

3.7 TREE STABILIZATION

A. Guying and Staking: Guy and stake trees to prevent wind tip out. . Securely attach no fewer than 3 guys to stakes 30 inches long, driven to grade.

1. Support trees with bands of flexible ties at contact points with tree trunk Allow enough slack to avoid rigid restraint of tree.
2. Attach flags to each guy wire, 30 inches above finish grade.

3.8 PLANTING BED MULCHING

A. Mulch backfilled surfaces of planting beds. Provide mulch ring around trees in lawn areas.

1. Organic Mulch: Apply 3-inch average thickness of organic mulch, and finish level with adjacent finish grades. Do not place mulch against plant stems.

3.9 PLANT MAINTENANCE

A. Tree and Shrub Maintenance: Maintain plantings by pruning, cultivating, watering, weeding, fertilizing, restoring planting saucers, adjusting and repairing stakes and guy supports, and resetting to proper grades or vertical position, as required to establish healthy, viable plantings. Spray or treat as required to keep trees and shrubs free of insects and disease. Restore or replace damaged tree wrappings.

3.10 CLEANUP AND PROTECTION

A. During planting, keep adjacent paving and construction clean and work area in an orderly condition.

B. Protect exterior plants from damage due to landscape operations, operations by other contractors and trades, and others. Maintain protection during installation and maintenance periods. Treat, repair, or replace damaged plantings.

3.11 DISPOSAL

A. Disposal: Remove surplus soil and waste material, including excess subsoil, unsuitable soil, trash, and debris, and legally dispose of them off Owner's property.

END OF SECTION

Section 32 18 23 – INFIELD MIX FOR SKINNED AREA

PART 1 – GENERAL REQUIREMENTS

1.01 RELATED DOCUMENTS

A. General provisions and drawings in the contract, including general conditions and supplementary conditions, apply to the work of this section.

1.02 RELATED SECTIONS:

A. Site Preparation
B. Earthwork

1.03 DESCRIPTION OF WORK

A. The installation of all materials shall be performed in accordance with the manufacturer's written installation instructions, and in compliance with all approved drawings. Furnish all materials, equipment, tools, labor, transportation, and services to install, grade, and place field subgrade and infield mix as specified and shown on the drawings, including but not limited to:

   1. Placement or preparation of base grade (including raking, leveling, and compaction), in addition to the placement and compaction of the infield mix.

   2. Incorporation of infield conditioner, fine grading, dragging, top dressing with vitrified shale or calcined clay product, moisture management, and other maintenance of skinned infield surface until the point of substantial completion.

1.04 SUBMITTALS

A. Product Data: Submit a 1-quart sample for the product specified to the owner for approval. Provide a 3rd party laboratory test prepared by a qualified soil analysis laboratory indicating the particle size analysis and sieve analysis of the specified material. All tests shall be performed in accordance with ASTM F-1632.

B. Submit a proposed haul route of infield materials.

1.05 QUALITY CONTROL

A. Review Plans prior to commencing grading operations.

B. Review Planting and maintenance requirements.

C. Athletic field finishing shall be done by a firm knowledgeable in laser grading, irrigation assemblies, sports infield finishing, and landscape work. Company must have completed a minimum of at least 20 projects of similar scope of work. At least 3 of these projects must have been completed in the last 1 year. Installers shall possess and demonstrate expertise in the use of laser guided finishing equipment. Submit qualification information to architect before commencing work under this section of the specifications.

1.06 PROJECT / SITE CONDITIONS

A. Complete all site work and earth work according to the preceding sections. The Sub grade material must be compacted in order to achieve 95% compaction. If the subgrade cannot be compacted to this level, an imported granular fill shall be installed. The sub grade must be compacted in such a manner so that this grade is parallel to the finished grade of the infield mix. By aligning the subgrade in this manner to the intended finish grade, the infield mix shall be placed at a consistent, even depth.

B. Prior to bidding the work covered in this section, the contractor shall visit the site to verify: existing conditions, slope, site access, access to water, soils, hazards, and other site conditions.

C. The installation of a perforated drain system underneath the infield mix is not necessary or advised. Likewise, the installation of geotextile fabric below the infield mix shall be prohibited.

D. Where advised or warranted, a third-party verification of the sub grade elevations shall occur prior to the placement of the infield mix.

E. Do not begin final laser grading of athletic fields until the following has occurred:

1. Topsoil for either the infield or outfield grass has been analyzed by a qualified testing agency to determine what amendments are required.

2. Topsoil amendments deemed necessary have been incorporated.

PART 2 – PRODUCTS

2.01 MANUFACTURER

A. The following Infield Mix manufacturers are acceptable. Any alternative manufacturers must be approved as an equal during submittal review.

1. Southern Athletic Fields, Inc.
   1309 Mainsail Drive
   Columbia, TN 38401
   (800) 837-8062

2. Advanced Turf Solutions
   12955 Ford Dr.
   Fishers, IN 46038
   (877) 433-7037

3. Pro's Choice
   914 Curie Drive
   Alpharetta, GA 30005
   (800) 648-1166

2.02 MATERIALS

A. Infield Mix for skinned area is manufactured under controlled conditions via Pugmill mechanical mixer until uniformly mixed into a homogenous mixture. Provide the following mix or approved equal, installed to a depth of 4 inches.

1. Turface SAF Diamond Select
2. Advanced Engineered Soil
3. SAF Mar Mix
4. Soil Master

B. Performance Specification –

1. Infield mix shall be a reddish brown, sandy clay and loam mixture. Infield mix shall be free of organic matter and weed seeds. The Infield mix will have a bulk density of around 1.35 ton per cubic yard in a loose state and a bulk density of around 1.5 tons per cubic yard when properly compacted to between 85% and 90% on a standard proctor test (ASTM D 689-07). Infield mix shall be screened with a 1/4" wire screen with no retention of rocks or debris. The infield material will meet the following parameters:

   A. Sieve Analysis (+/- 2%):

U.S. Standard Sieve	% Passing by weight
#5	99.9
#10	99
#18	98
#35	90
#60	47
#100	34
#270	29

   B. Particle Size Analysis (+/- 2%):

Infield Gradation	
Soil	%
Sand (2 mm - 0.05 mm)	65 – 75
Silt (.05 mm - .002 mm)	12 – 20
Clay (< 0.002mm)	15 - 23

2.03 INFIELD CONDITIONER

A. Provide Turface MVP, Diamond Pro, or Turface Pro League Natural infield conditioner or approved equal. Follow manufacturers recommendations if the infield mix will be amended after the initial installation.

2.04 QUALITY CONTROL

A. Submit Samples and Testing analysis to verify particle size of infield mix to the Architect's representative prior to work commencement.

PART 3 – EXECUTION

3.01 SUBGRADE FOR INFIELD

A. Subgrade tolerance is + 0.00’ and – 0.10’ relative to the grading plan. Subgrade should parallel and reflect the finished grade of the infield mix.

B. Sub grade material must be compacted in order to achieve 95% compaction. If the subgrade cannot be compacted to this level, an imported granular fill shall be installed.

C. Stake the subgrade on a 25’ grade throughout the infield.

D. Obtain architect’s approval of prepared subgrade prior to the delivery and installation of infield mix.

3.02 INFIELD MIX PLACEMENT

A. Determine finish grade contours on the 25’ grid. Provide a stake every 25’.

B. Material shall be placed in lifts of 1 to 2 inches and compacted to between 85 and 90% of standard proctor (ASTM D 689-07). Rough surface before placing next lift and ensure material is spread and finished utilizing equipment with an appropriate blade length. Utilize external water source to maintain proper moisture of infield mix during installation. Do not install as a powder product, this can create settling and effect the final grade after installation.

C. Compact and drag smooth installation. Infield mix should be free of divots, bumps, or other obstructions that would interfere with ball travel or the movement of water. Surface slope is to be maintained with no ponding evident during rain event.

3.03 INFIELD GRADE INSPECTION

A. The finish grade tolerance is + 0.05’ and - 0.00 relative to grading plan. The depth of infield mix installation shall be 4 inches. Ensure all adjacent and meeting edges are flush and well aligned. Infield finish grade should be at a slope of at least 1/2 percent leading away from the infield surface to provide for drainage and allow rain to run off of infield skin. Final infield grade shall be checked by laser transit, surveyed by a third party, and approved by architect.

3.04 TOPDRESSING

A. After final grading is completed, the field shall be top dressed by application of a calcined clay or shale product to assist in managing moisture under the infield skin. Recommended products are Turface MVP, Turface Pro League, Turface Pro League Elite, Turface SlideMaster, Diamond Pro or approved equal. Application rate is 375 lbs per 1,000 square feet of infield area.

End Of Section

MSD of Lawrence Township
Lawrence North Athletic Fields

2018-050.LNA

7802 Hague Road
Indianapolis, IN 46256

06.22.2022

2018-050.LNA

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CL305.N	BLEACHER DETAILS
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CG105.N	SITE GRADING PLAN
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CU508.N	UTILITY DETAILS
CU509.N	UTILITY DETAILS
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S-400	TYPICAL FOUNDATION DETAILS
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A3

General Notes

Nothing set forth in these Drawings shall release any Contractor from responsibility to provide appropriate quantities, field measurements, dimensional stability, installation, anchorage and coordination with other trades, or waive the Contractor's responsibility to identify and resolve deviations from the requirements of the Contract Documents, or waive the Contractor's responsibility to alert the Architect to errors or omissions contained therein.
Each Contractor shall verify in the field all existing applicable conditions and dimensions shown on the Drawings and as pertinent to the intent of these Drawings. Any discrepancy discovered shall be brought to the attention of the Architect prior to the commencement of any Work affected by, or related to, such discrepancy.
Each Contractor shall be responsible for all costs associated with, or caused by failure to comply with requirement.
Each Contractor shall review in advance all portions of the Work to verify that the Work will not prohibit completion of the Project as intended in these Contract Documents. Any questions shall be promptly referred to the Architect for resolution.

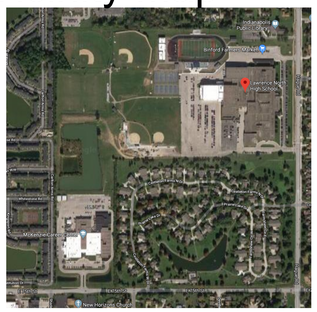
Each Contractor shall refer to the Project Manual for cleaning and disposal requirements.
Each Contractor shall be responsible for the protection of all surfaces and finishes at interior and exterior of building. Damaged surfaces and finishes resulting from the performance of the Work shall be repaired at no cost to the Owner by the responsible Contractor to match existing to the satisfaction of the Owner.
Each Contractor shall coordinate respective cutting and patching Work with the other Prime Contracts.
Each Contractor shall become completely familiar with all aspects of the Work, even those areas designated to be provided by others. This familiarization includes full and complete understanding of the Work described on all Sheets of the Drawings and in all Sections of the Project Manual. Failure by the Contractor to become completely familiar and cognizant of all aspects of the Work shall not relieve the Contractor of the responsibility to provide materials, assemblies, or services indicated in the Contract Documents.

SARAH KATHLEEN HEMPSTEAD REGISTERED NO. AR10400134 STATE OF INDIANA ARCHITECT

Sarah K Hempsteed

NILE E. MILLER REGISTERED NO. 19900465 STATE OF INDIANA PROFESSIONAL ENGINEER

Vicinity Map



Thoroughfare Map

SCHMIDT
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415 Massachusetts Avenue
Indianapolis, IN 46204
www.schmidt-arch.com

MSD of Lawrence Township
Lawrence North Athletic Fields

G-000.N

BASE BID: REMOVE EXISTING JV BASEBALL FIELD IN ITS ENTIRETY. CONSTRUCT NEW VARSITY BASEBALL FIELD INCLUDING FIELD DRAINAGE SYSTEM & IRRIGATION SYSTEM.
SYNTHETIC TURF ALTERNATE: REMOVE EXISTING JV BASEBALL FIELD IN ITS ENTIRETY. CONSTRUCT NEW VARSITY BASEBALL FIELD INCLUDING FIELD DRAINAGE SYSTEM. NO IRRIGATION SYSTEM REQD.

CONC.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL DEMOLISH AND REMOVE FROM THE SITE ALL MATERIALS INDICATED ON THE PLAN. GENERALLY, DEMOLITION AREAS AND FACILITIES ARE INDICATED WITH BOLD LINES, SHADED AREAS AND/OR KEY NOTES.
2. DISPOSAL OF ALL DEMOLITION MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL GUIDELINES AND PROCEDURES.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING FEATURES ALONG THE PERIMETER OF THE SITE. THESE FEATURES INCLUDE, BUT ARE NOT LIMITED TO: BUILDINGS, PAVEMENTS, FENCES, VEGETATION, UNDERGROUND UTILITIES, ABOVE GROUND UTILITIES, PROPERTY MARKERS, ETC. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE WHICH OCCURS DURING OR AS A RESULT OF CONSTRUCTION ACTIVITY. REPLACEMENT OF DAMAGED PROPERTY OR FEATURES SHALL BE EQUAL TO EXISTING CONDITIONS.
4. FOLLOWING THE REMOVAL OF INDICATED NATURAL FEATURES AND SITE IMPROVEMENTS, AND FOLLOWING THE COMPLETION OF EARTHWORK AS INDICATED ON THE GRADING PLAN, CONTRACTOR SHALL SUPPLY AND INSTALL TOPSOIL FILL IN ALL PROPOSED PLANTING AREAS TO THE GRADES INDICATED ON THE GRADING PLAN, AND IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS.
5. ALL TREES, BRUSH, STUMPS, AND GRUBBING DEBRIS SCHEDULED FOR DEMOLITION SHALL BE REMOVED FROM THE SITE.
6. ALL TOPSOIL IN AREAS SUBJECT TO CONSTRUCTION SHALL BE STRIPPED AND STOCKPILED FOR REPLACEMENT DURING FINISH GRADING.
7. CURRENT FIELD CONDITIONS MAY VARY SOMEWHAT FROM THOSE INDICATED ON THIS PLAN. THE INFORMATION SHOULD NOT BE CONSIDERED AS EXACT OR COMPLETE.
   - 7.1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO CONSTRUCTION. CONTACT THE INDIANA UNDERGROUND UTILITY PLANT PROTECTION SERVICE AT 1-800-382-5540 OR DIAL 811 (INDIANA). A PRIVATE UTILITY LOCATION SERVICE MAY BE REQUIRED IN AREAS NOT COVERED BY IUPPS.
   - 7.2. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OR RESUMPTION OF WORK THAT COULD POTENTIALLY DISRUPT THE RESPECTIVE UTILITY SERVICE OF INFRASTRUCTURE.
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   - 7.4. ANY DAMAGE TO EXISTING UTILITY LINES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

DEMOLITION LEGEND

- SAW CUT AND REMOVE ASPHALT PAVEMENT
- SAW CUT AND REMOVE CONCRETE PAVEMENT

GENERAL NOTES

1. REFERENCE C-001 FOR GENERAL DEMOLITION PLAN NOTES.
2. SEE ELECTRICAL SITE PLAN, FOR ALL ELECTRICAL, PHONE AND TECHNOLOGY DEMOLITION W
3. NOT ALL NOTES MAY APPLY TO THIS SHEET.
4. USE CAUTION NOT TO DAMAGE UTILITIES AND FEATURES TO REMAIN.

NOTE: WHILE EVERY EFFORT HAS BEEN MADE TO SHOW ALL DEMOLITION REQUIRED, THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID TO FULLY UNDERSTAND WHAT ITEMS ARE IN THE WAY OF NEW CONSTRUCTION. ONLY THOSE ITEMS UNDERGROUND AND NOT INDICATED ANYWHERE IN CONTRACT DOCUMENTS WILL BE CONSIDERED UNFORESEEN CONDITIONS. CHANGE ORDERS WILL NOT BE ISSUED FOR VISIBLE ITEMS.

DEMOLITION KEY NOTES

1. REMOVE BASEBALL FIELD & EQUIPMENT.
2. EXISTING BASEBALL FIELD & EQUIPMENT TO REMAIN. REPAIR IF DAMAGED.
3. REMOVE EXISTING FENCE.
4. PROTECT EXISTING FENCE TO REMAIN. REPAIR IF DAMAGED.
5. SEE CD106.N FOR PERIMETER FENCE DEMO.
6. SEE CL108.N FOR PERIMETER LANDSCAPE REMOVAL.
7. REMOVE EXISTING BUILDINGS.
8. PROTECT EXISTING BUILDING TO REMAIN. REPAIR IF DAMAGED.
9. REMOVE EXISTING BLEACHERS & RETAIN FOR OWNER.
10. PROTECT EXISTING BLEACHERS TO REMAIN. REPAIR IF DAMAGED.
11. SAW CUT & REMOVE EXISTING CONCRETE PAVEMENT.
12. PROTECT EXISTING CONCRETE PAVEMENT TO REMAIN. REPAIR IF DAMAGED.
13. SAW CUT & REMOVE EXISTING ASPHALT PAVEMENT.
14. PROTECT EXISTING ASPHALT PAVEMENT TO REMAIN. REPAIR IF DAMAGED.
15. ALTERNATE – REMOVE EXISTING SOCCER GOALS & RETAIN FOR OWNER.
16. REMOVE EXISTING GATE.
17. REMOVE EXISTING HANDRAILS/GUARDRAILS.
18. ALTERNATE – REMOVE SOFTBALL FIELD & EQUIPMENT. BASE BID– NO FIELD WORK.
19. EXISTING SOFTBALL FIELD & EQUIPMENT TO REMAIN. REPAIR IF DAMAGED.
20. REMOVE EXISTING FLAG POLE.
21. PROTECT EXISTING FLAG POLE TO REMAIN. REPAIR IF DAMAGED.
22. REMOVE EXISTING SCOREBOARD.
23. PROTECT EXISTING SCOREBOARD TO REMAIN. REPAIR IF DAMAGED.
24. IRRIGATION LINES/STRUCTURES TO REMAIN IN BASE BID & REMOVED IN ALTERNATE BID
25. PROTECT EXISTING IRRIGATION LINE/STRUCTURE TO REMAIN. REPLACE IF DAMAGED.
26. REMOVE EXISTING IRRIGATION LINE/STRUCTURES.
27. REMOVE STORM STRUCTURE.
28. STORM STRUCTURE TO REMAIN.
29. REMOVE STORM PIPE.
30. STORM PIPE TO REMAIN.
31. REMOVE WATER STRUCTURE OR FIXTURE.
32. REMOVE WATER PIPE.
33. WATER PIPE TO REMAIN.

1B DEMOLITION PLAN
1" = 30'

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Project No. 2018-050.LNA
Project Date 06.22.2022
Produced JS / AJ

WILLIAM E. MILLER
REGISTERED
NO.
19900465
STATE OF
INDIANA
PROFESSIONAL ENGINEER

#	Revision	Date
A3	ADDENDUM #3	07.28.2022

7802 Hague Road
Indianapolis, IN 46256

KEY PLAN

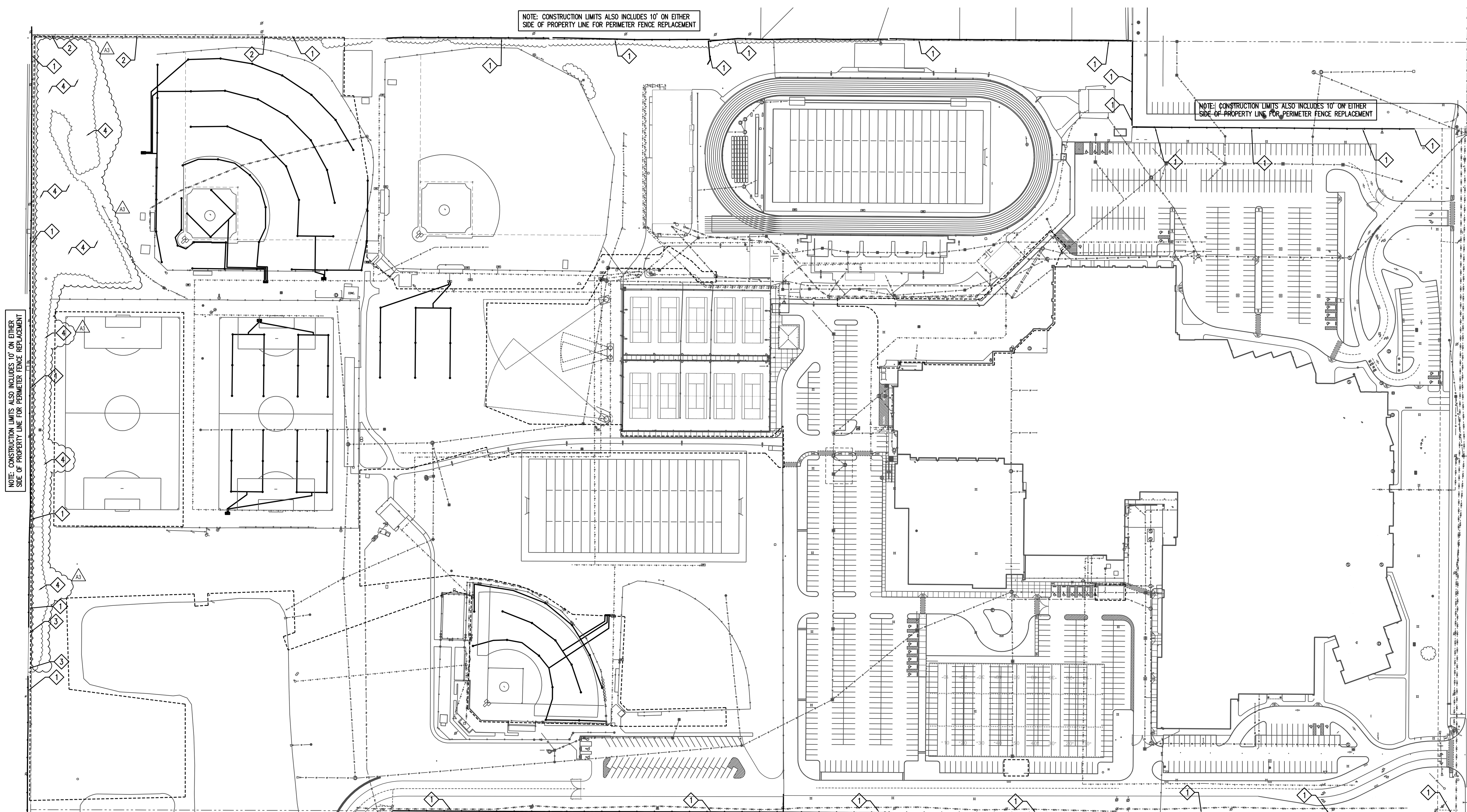
MSD OF LAWRENCE TOWNSHIP

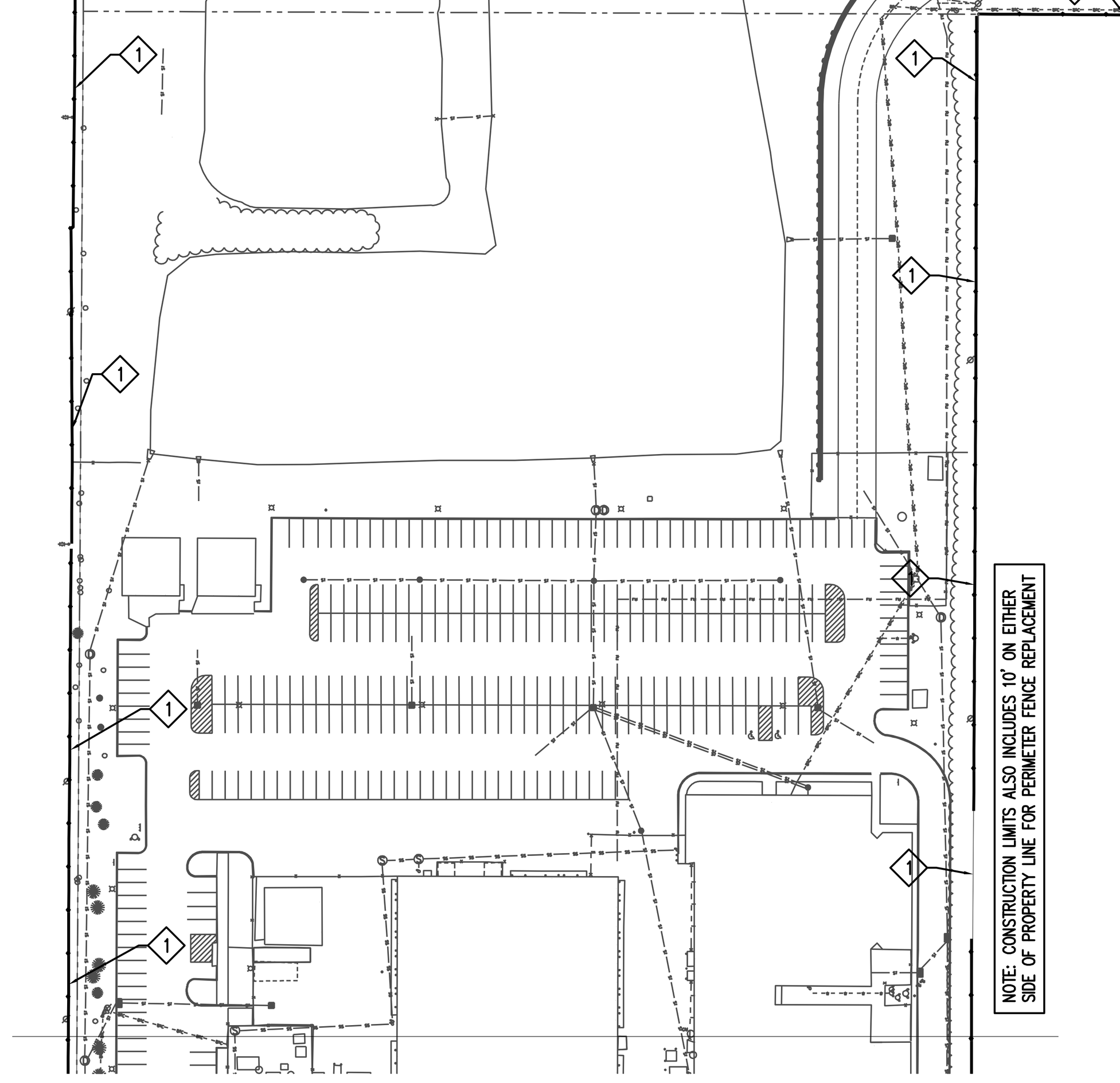
LAWRENCE NORTH HIGH SCHOOL

LAWRENCE NORTH ATHLETIC FIELDS

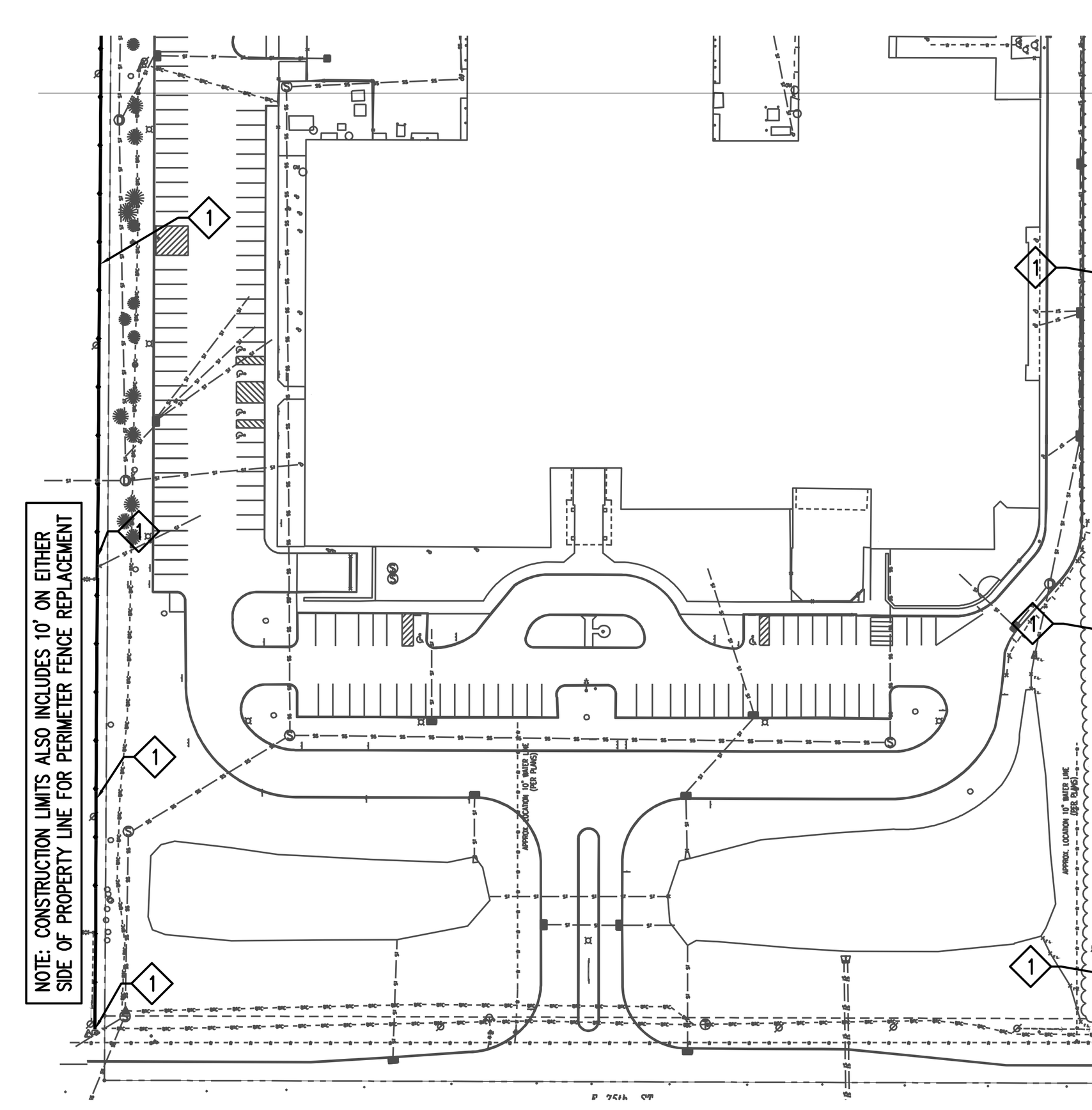
SITE DEMOLITION PLAN

CD101.N





5A DEMOLITION PLAN
1" = 100'



3A DEMOLITION PLAN
1" = 100'

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5. ALL TREES, BRUSH, STUMPS, AND GRUBBING DEBRIS SCHEDULED FOR DEMOLITION SHALL BE REMOVED FROM THE SITE.
6. ALL TOPSOIL IN AREAS SUBJECT TO CONSTRUCTION SHALL BE STRIPPED AND STOCKPILED FOR REPLACEMENT DURING FINISH GRADING.
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GENERAL NOTES

1. REFERENCE C-001 FOR GENERAL DEMOLITION PLAN NOTES.
2. SEE ELECTRICAL SITE PLAN, FOR ALL ELECTRICAL, PHONE AND TECHNOLOGY DEMOLITION WORK.
3. NOT ALL NOTES MAY APPLY TO THIS SHEET.
4. USE CAUTION NOT TO DAMAGE UTILITIES AND FEATURES TO REMAIN.

NOTE: WHILE EVERY EFFORT HAS BEEN MADE TO SHOW ALL DEMOLITION REQUIRED, THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID TO FULLY UNDERSTAND WHAT ITEMS ARE IN THE WAY OF NEW CONSTRUCTION. ONLY THOSE ITEMS UNDERGROUND AND NOT INDICATED ANYWHERE IN CONTRACT DOCUMENTS WILL BE CONSIDERED UNFORESEEN CONDITIONS. CHANGE ORDERS WILL NOT BE ISSUED FOR VISIBLE ITEMS.

PERIMETER FENCE DEMOLITION KEY NOTES

1. REMOVE EXISTING PERIMETER FENCE. CLEAR VEGETATION TO 10' ON EITHER SIDE OF PROPERTY LINE UNLESS DIRECTED OTHERWISE. (A3)
2. EXISTING PERIMETER FENCE TO REMAIN. PROTECT DURING CONSTRUCTION.
3. EXISTING WALL TO REMAIN.
4. REMOVE ALL TREES, SHRUBS, AND UNDERBRUSH IN THIS AREA, CLEAR & GRUB. REMOVE ALL DEBRIS & SOIL PILES. (A3)

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KEY PLAN

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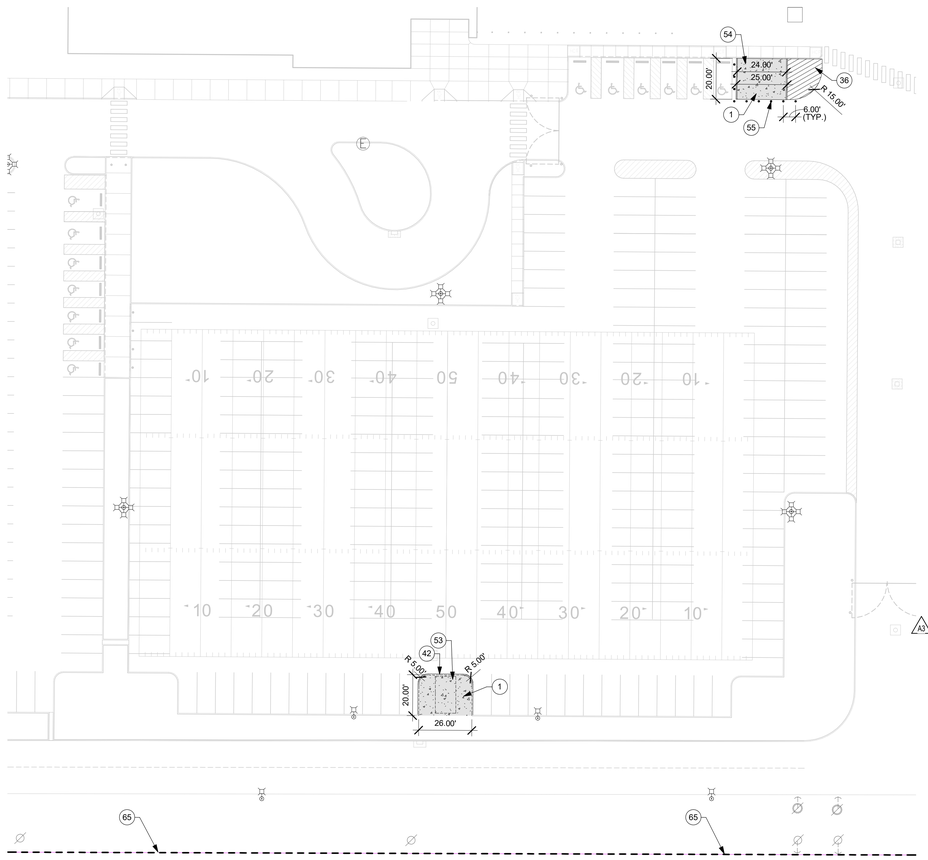
SITE DEMOLITION PLAN

CD106.N



1 **BAND TOWER + STORAGE BUILDING**
1" = 30'-0"

SITE LAYOUT NOTES

Key	Note
1	STANDARD CONCRETE PAVEMENT. SEE DETAIL 1B/CL501.N.
2	#12 CRUSHED LIMESTONE WARNING TRACK. SEE SPECS.
3	BRICK DUST INFIELD & BASEPATHS. SEE SPECS.
4	CLAY PITCHING MOUND. SEE DETAIL 2C/CL502.N & SPECS.
5	DOUBLE BULL PEN WARMUP AREA. #12 CRUSHED LIMESTONE; MOUND IS CLAY TO MATCH FIELD. SEE SPECS.
6	GRASS INFIELD.
7	LAWN AREA.
8	ON DECK CIRCLE.
9	COACH'S BOX.
10	BACKSTOP TENSION NETTING SYSTEM. SEE 4C/CL502.N & SPECS.
11	BACKSTOP TENSION NETTING POLE APPROX. LOCATION. SEE SPECS & MANUFACTURER'S REQUIREMENTS.
12	FOUL POLE. SEE DETAIL 1B/CL502.N & SPECS.
13	HOME PLATE (BASEBALL). SEE DETAIL 3C/CL502.N & SPECS.
14	BASE. SEE SPECS.
15	BACKSTOP WALL. SEE DETAIL 5A/CL502.N & SPECS.
16	PRE-ENGINEERED METAL GRANDSTAND. SEE DETAIL SHEETS CL301.N - CL305.N.
17	VISITOR'S DUGOUT (BASEBALL). SEE ARCHITECTURAL PLANS.
18	HOME DUGOUT & STORAGE. (BASEBALL) SEE ARCHITECTURAL PLANS.
19	ELECTRONIC SCOREBOARD. SEE SPECS.
20	25' HIGH FLAGPOLE. SEE DETAIL 3D/CL501.N & SPECS.
21	4' HIGH CHAINLINK FENCE WITH 5' WIDE OPENING ON EACH SIDE OF DUGOUT. BLACK VINYL FINISH. SEE SPECS.
22	6' HIGH CHAINLINK FENCE. BLACK VINYL FINISH. SEE SPECS.
23	5' WIDE, 6' HIGH, SINGLE SWING CHAINLINK GATE. BLACK VINYL FINISH. SEE SPECS.
24	12' WIDE, 6' HIGH, DOUBLE SWING CHAINLINK GATE. BLACK VINYL FINISH. SEE SPECS.
25	ALTERNATE - ON DECK CIRCLE WITH LAWRENCE TOWNSHIP LOGO. OWNER TO PROVIDE GRAPHIC.
26	ALTERNATE - SCHOOL LOGO. OWNER TO PROVIDE GRAPHIC.
27	ALTERNATE - SCHOOL NAME (CENTERED). OWNER TO PROVIDE GRAPHIC.
28	ALTERNATE - SYNTHETIC TURF OUTFIELD; 5 YARD WIDE STRIPES RUNNING FROM HOME PLATE TO 2ND BASE. SEE DETAIL 3A/CL502.N.
29	ALTERNATE - SYNTHETIC TURF INFIELD; 5 YARD WIDE STRIPES RUNNING FROM HOME PLATE TO 2ND BASE. SEE DETAIL 3A/CL502.N & 4B/CL502.N.
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31	ALTERNATE - SYNTHETIC TURF FLUSH CONCRETE CURB. SEE DETAIL 3B/CL502.N & SPECS.
32	CONCESSION/RR BUILDING. SEE ARCHITECTURAL PLANS FOR DETAILS.
33	PIPE HANDRAIL AT CONCESSION/RR BUILDING. SEE DETAIL 5A/CL501.N & SPECS.
34	PARKING BUMPER. SEE DETAIL 2C/CL501.N.
35	STANDARD ASPHALT PAVEMENT. SEE DETAIL 1A/CL501.N.
36	PAVEMENT MARKINGS AS SHOWN.
37	CROSSWALK MARKING. SEE DETAIL 4D/CL501.N.
38	NO CURB AT EDGE OF PAVEMENT.
39	ADA PARKING SPACE & SIGN. SEE DETAIL 5C/CL501.N, 5D/CL501.N, & 1A/CL502.N.
40	ADA RAMP. SEE DETAIL 3B/CL501.N, 3C/CL501.N, & 4C/CL501.N.
41	STANDARD CONCRETE STRAIGHT CURB. SEE DETAIL 2A/CL501.N.
42	INTEGRAL CONCRETE CURB & SIDEWALK. SEE DETAIL 2B/CL501.N.
43	SOCCER BENCH/SHELTER. SEE DETAIL 3D/CL502.N SPECS.
44	ALTERNATE - SYNTHETIC TURF FIELD. 5 YARD WIDE STRIPES RUNNING EAST-WEST. SEE DETAIL 3A/CL502.N & SPECS.
45	ALTERNATE -SCHOOL LOGO. OWNER TO PROVIDE GRAPHICS.
46	ALTERNATE -SCHOOL NAME. CENTERED ON HALFWAY LINE. OWNER TO PROVIDE GRAPHICS.
47	ALTERNATE - SOCCER GOAL. SEE SPECS.
48	HEAVY DUTY CONCRETE SPEED TABLE. SEE DETAIL 5B/CL501.N.
49	14' WIDE, SINGLE SWING VEHICLE GATE. SEE DETAIL 1D/CL502.N & SPECS.
50	26' WIDE, DOUBLE SWING VEHICLE GATE. SEE DETAIL 1D/CL502.N & SPECS.
51	LANDSCAPE FORMS STANDARD GREY 'TWIG' BACKLESS BENCH (OR APPROVED EQUAL) IN GROUPS OF 3, AS SHOWN. SEE SPECS.
52	LANDSCAPE FORMS 35 COLLECTION 'LOOP' BIKE RACK OR APPROVED EQUAL. QUANTITY, AS SHOWN. SEE SPECS.
53	BAND TOWER CONCRETE PAD. SEE SPECS.
54	BAND STORAGE BUILDING. SEE SPECS.
55	PIPE BOLLARDS. SEE DETAIL 2D/CL501.N & SPECS.
56	HANDRAIL/GUARD RAIL REPLACEMENT. REMOVABLE GUARDRAIL SECTION TO MATCH EXISTING LOCATION & SIZE. SEE SPECS.
57	RAMP & STAIR HANDRAIL REPLACEMENT. SEE SPECS.
58	HOME DUGOUT (JV SOFTBALL). SEE ARCHITECTURAL PLANS.
59	VISITOR'S DUGOUT (JV SOFTBALL). SEE ARCHITECTURAL PLANS.
60	ALTERNATE - PITCHER'S MOUND. SEE SPECS.
61	ALTERNATE - HOME PLATE (SOFTBALL). SEE SPECS.
62	ALTERNATE - SCHOOL NAME (CENTERED). OWNER TO PROVIDE GRAPHIC.
63	ALTERNATE - SYNTHETIC TURF OUTFIELD; 5 YARD WIDE STRIPES RUNNING FROM HOME PLATE TO 2ND BASE. SEE DETAIL 3A/CL502.N & SPECS.
64	ALTERNATE - SYNTHETIC TURF BROWN FIELD ELEMENT. SEE DETAIL 3A/CL502.N & SPECS.
65	SEE SITE FENCING PLAN CL108.N FOR ALL PERIMETER FENCING WORK.
66	HEAVY DUTY CONCRETE PAVEMENT. SEE DETAIL 1C/CL501.N & SPECS.
67	ALIGN CORNER OF BENCH. ALL DIMENSIONS TAKEN FROM THIS STARTING POINT FOR BENCH PLACEMENT.
68	ADJUST FENCING AS NEEDED FOR NEW DUGOUTS.

SITE LAYOUT LEGEND

	STANDARD CONCRETE PAVEMENT
	STANDARD ASPHALT PAVEMENT
	NATURAL TURF FIELD
	SYNTHETIC TURF FIELD
	SYNTHETIC TURF FIELD

GENERAL LAYOUT NOTES

1. REFERENCE C-001 FOR GENERAL LAYOUT PLAN NOTES.
2. NORTHING AND EASTING COORDINATES ARE STATE PLANE COORDINATES BASED ON A TOPOGRAPHIC SURVEY. REFER TO SURVEY DRAWINGS FOR HORIZONTAL CONTROL POINT DATA.
3. ALL EXISTING PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO MATCH EXISTING CONDITIONS.

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Project No. 2018-050.LNA
Project Date 06.22.2022
Produced JLS

KYLE E. MILLER
REGISTERED
NO.
19900465
STATE OF
INDIANA
PROFESSIONAL ENGINEER

#	Revision	Date
A3	ADDENDUM #3	7/28/2022

7802 Hague Rd,
Indianapolis, IN 46256

N

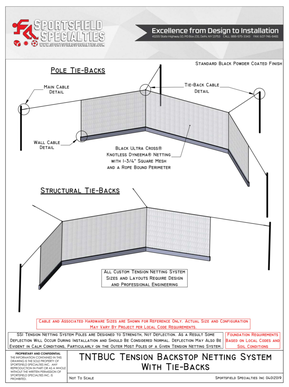
MSD of LAWRENCE TOWNSHIP

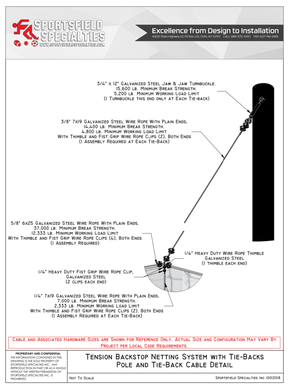
LAWRENCE NORTH HIGH SCHOOL

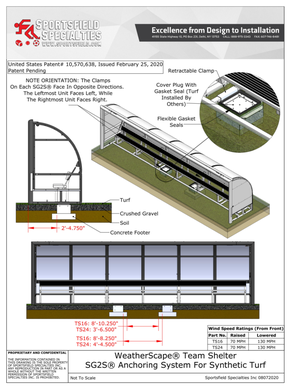
LAWRENCE NORTH ATHLETIC FIELDS

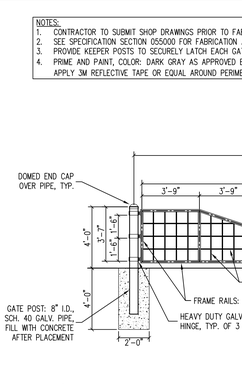
SITE LAYOUT PLAN

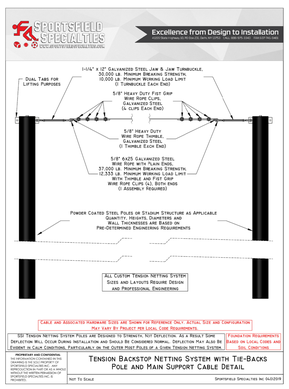
CL107.N

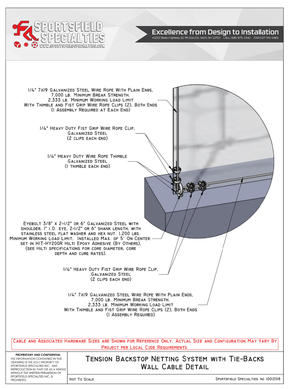




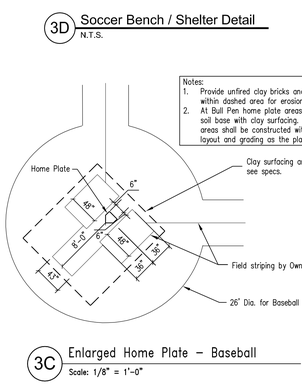






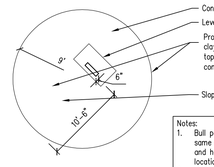


4C Backstop Tension Netting Details
N.T.S.

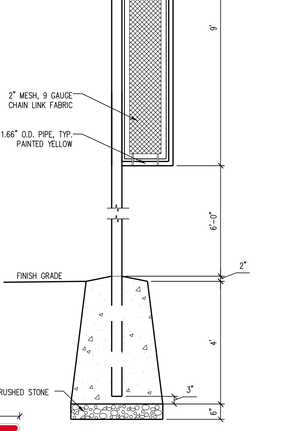


3D Soccer Bench / Shelter Detail
N.T.S.

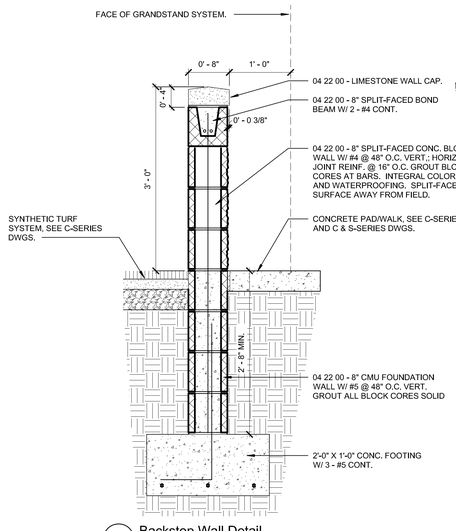
3C Enlarged Home Plate – Baseball
Scale: 1/8" = 1'-0"



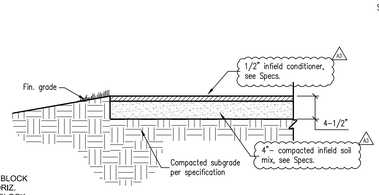
2C Enlarged Pitching Mound – Baseball
Scale: 1/8" = 1'-0"



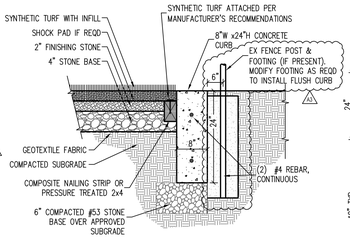
1B Foul Pole
Scale: 1/2" = 1'-0"



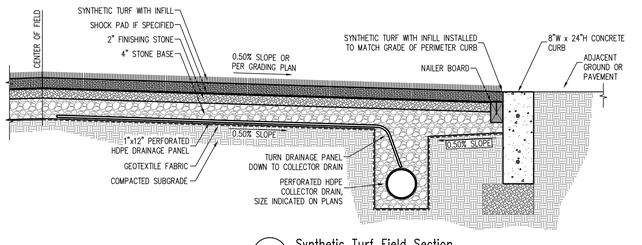
5A Backstop Wall Detail
N.T.S.



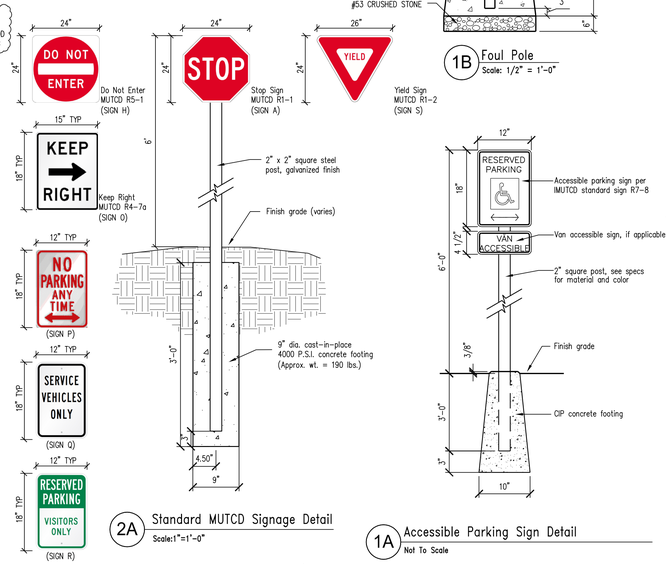
4B Infield Surfacing Detail
Scale: 1" = 1'-0"



3B Synthetic Turf/Curb Section
Scale: 1" = 1'-0"



3A Synthetic Turf Field Section
Scale: 1" = 1'-0"



2D Standard MUTCD Signage Detail
Scale:1"=1'-0"

1A Accessible Parking Sign Detail
Not To Scale

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Project No.	2018-050.LNA
Project Date	06.22.2022
Produced	JS / AJ

W. E. E. MILLER REGISTERED NO. 19900465 STATE OF INDIANA PROFESSIONAL ENGINEER

#	Revision	Date
A3	ADDENDUM #3	07.28.2022

7802 Hague Road
Indianapolis, IN 46256

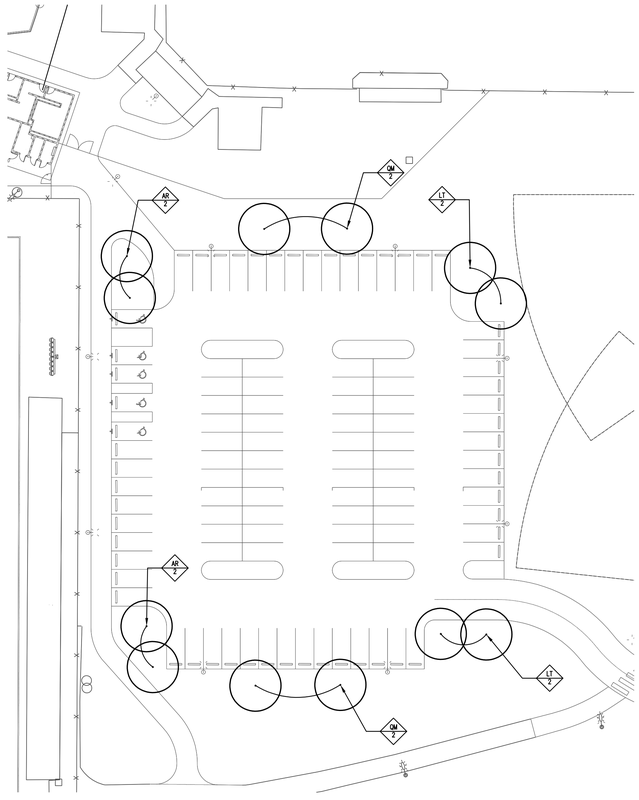
KEY PLAN

MSD OF LAWRENCE TOWNSHIP

LAWRENCE NORTH ATHLETIC FIELDS

SITE DETAILS

CL502.N



4B LANDSCAPE PLAN
1" = 30'

PLANTING NOTES

1. THIS PLANTING PLAN INDICATES MINIMUM LANDSCAPING REQUIREMENTS IN ACCORDANCE WITH THE CITY OF GREENWOOD, INDIANA UNIFIED DEVELOPMENT ORDINANCE.
2. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SEEDED UNLESS INDICATED OTHERWISE ON THIS PLAN.
3. SEE SPECIFICATIONS FOR TURF SEEDING AND PLANTING INFORMATION.
4. SEE EROSION CONTROL PLAN FOR TEMPORARY SEEDING INFORMATION.
5. ALL EXISTING LANDSCAPING ON AND ADJACENT TO PROJECT SITE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
6. PLANT QUANTITIES LISTED IN TABLE ARE FOR CONTRACTOR CONVENIENCE ONLY, IN THE EVENT OF DISCREPANCY BETWEEN STATED AMOUNT AND WHAT IS GRAPHICALLY SHOWN ON PLAN, THE PLAN QUANTITY SHALL DICTATE.
7. ESTABLISH TURF GRASS ABOVE NATIVE AREA PRIOR TO SEEDING NATIVES TO PREVENT CONTAMINATION OF THE NATIVES. IN THE EVENT PRIOR ESTABLISHMENT IS NOT FEASIBLE, UTILIZE SILT FENCE OR OTHER CONTROL SYSTEM TO PREVENT CROSS CONTAMINATION.

LANDSCAPE LEGEND

Proposed Canopy Tree

Proposed Ornamental Tree

Proposed Shrub

PLANTING SCHEDULE (QTY'S REFLECT SHEET LP102.N)

I.D.	QTY	Botanical Name	Common Name	Size	Cond.	Cmts.
TREES						
AR	4	Acer rubrum 'Sun Valley'	Sun Valley Red Maple	2.5" Cal.	B&B	
LT	4	Liriodendron tulipifera	Tulip Poplar	2" Cal.	B&B	
QM	4	Quercus macrocarpa	Bur Oak	2" Cal.	B&B	

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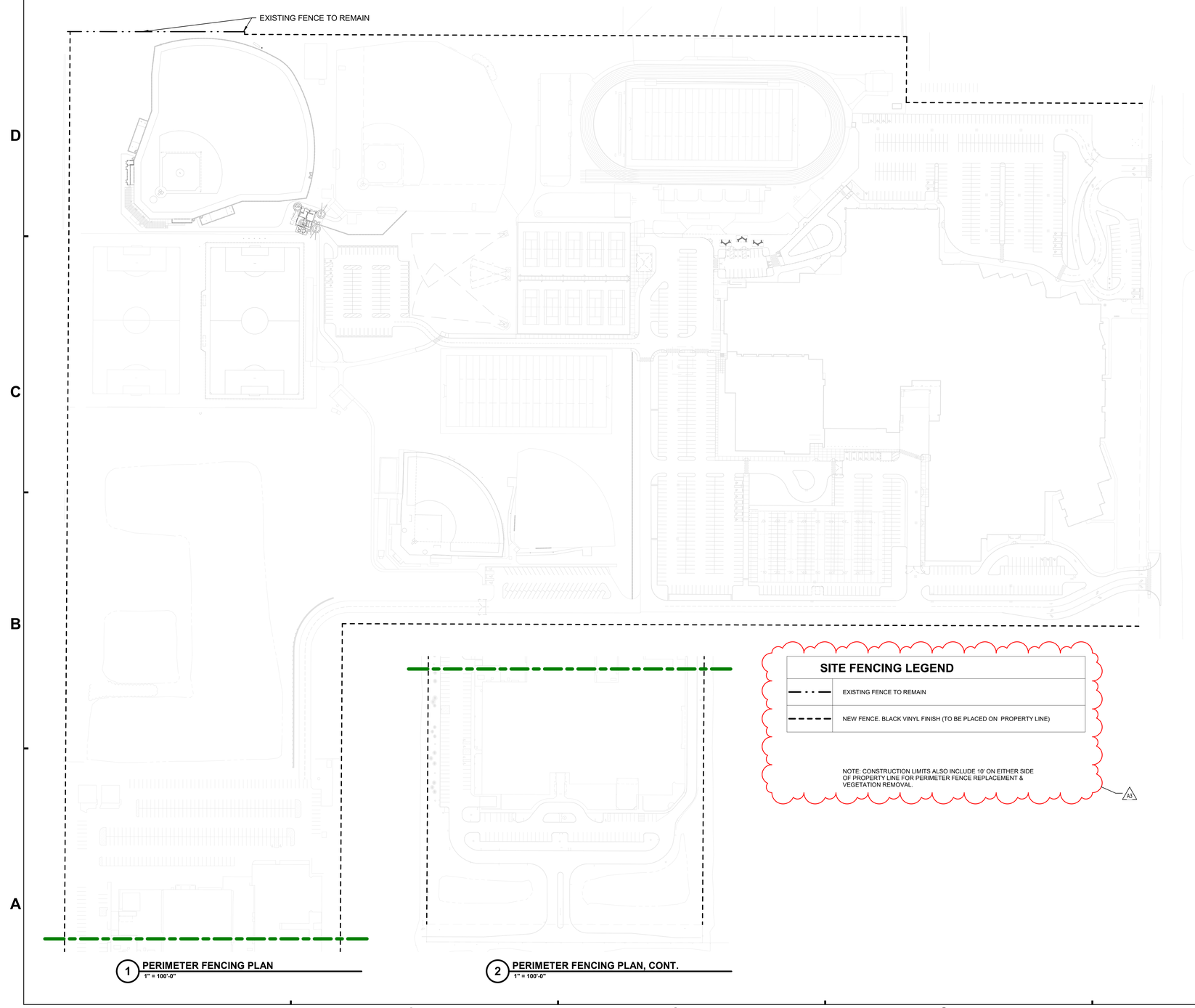
KEY PLAN N

MSD OF LAWRENCE TOWNSHIP

LAWRENCE NORTH ATHLETIC FIELDS

LANDSCAPE PLAN

LP102.N



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#	Revision	Date
A3	ADDENDUM #3	7/28/2022

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N

MSD of LAWRENCE TOWNSHIP

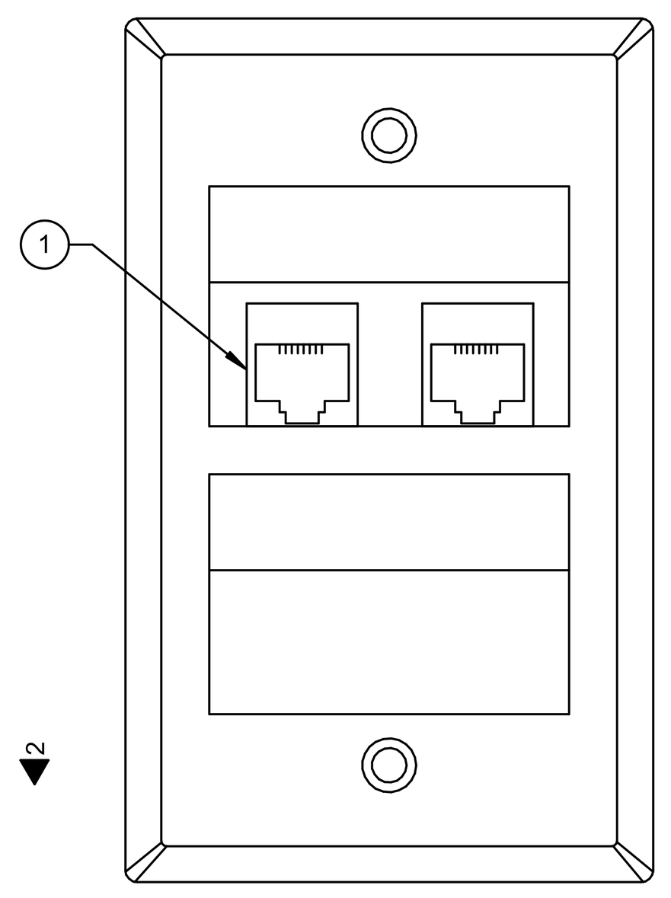
LAWRENCE NORTH HIGH SCHOOL

LAWRENCE NORTH ATHLETIC FIELDS

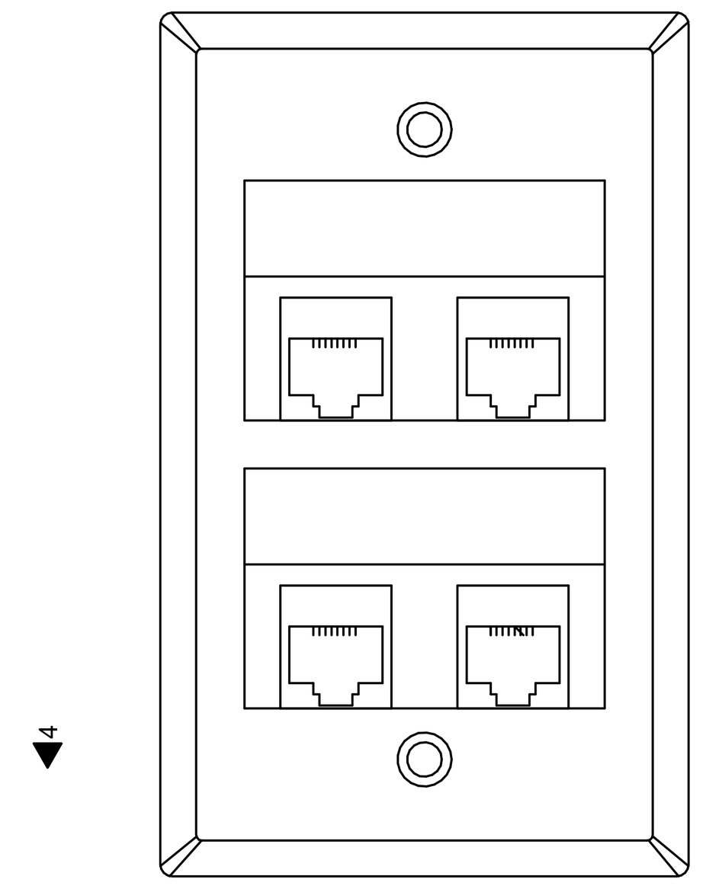
SITE FENCING PLAN

CL108.N

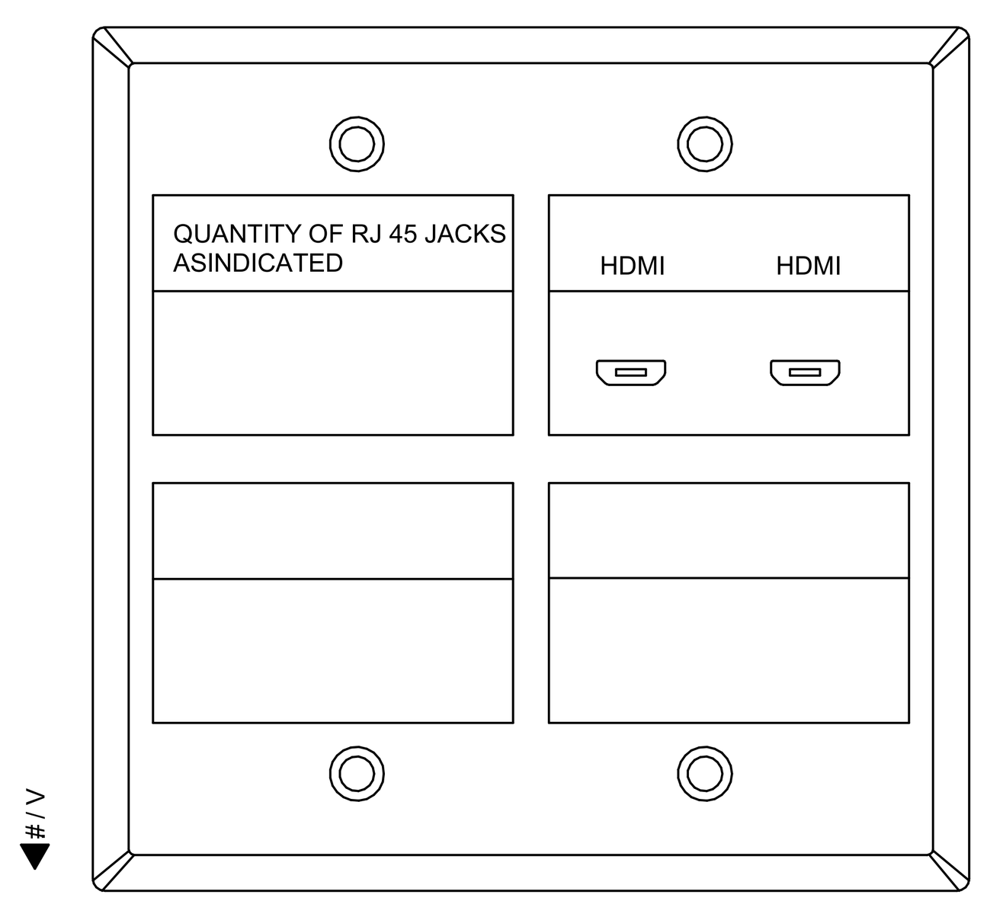
6 5 4 3 2 1



PROVIDE (2) HORIZONTAL UTP CABLES



PROVIDE (4) HORIZONTAL UTP CABLES



PROVIDE QUANTITY OF HORIZONTAL UTP CABLES AS INDICATED

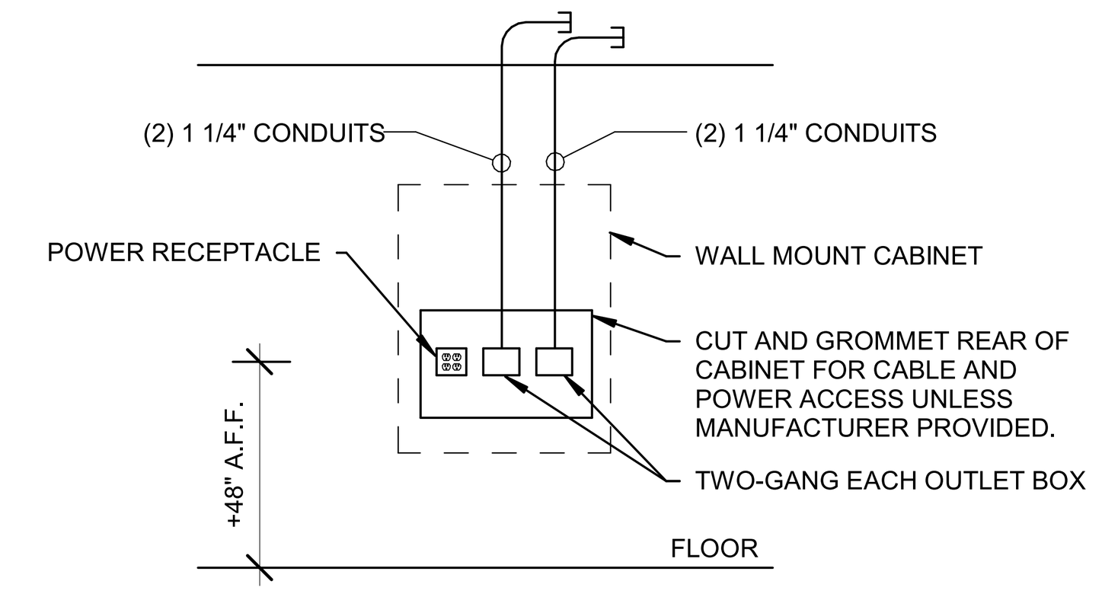
6E FACE PLATE DETAILS
NOT TO SCALE

GENERAL NOTES:

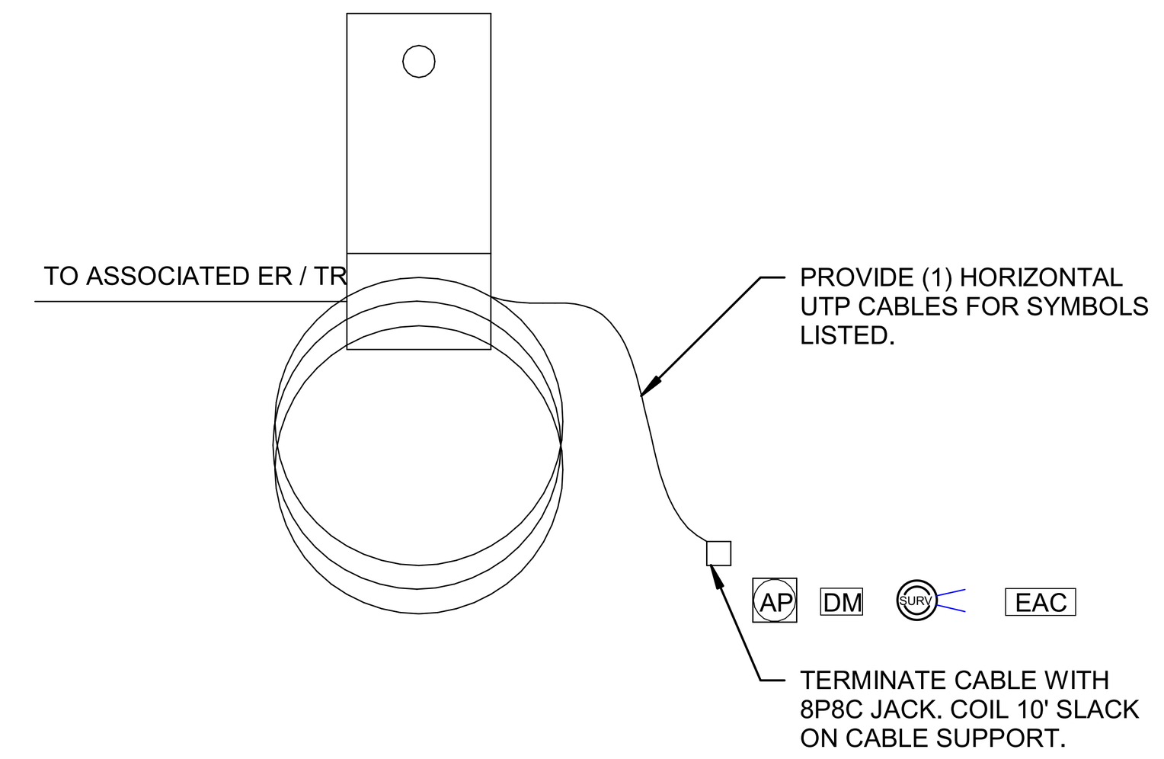
GENERAL NOTES
1. WHERE TELECOMMUNICATIONS OUTLETS ARE INSTALLED IN MULTI-COMPARTMENT SURFACE RACEWAY, PROVIDE 106 JACK FRAMES AS REQUIRED AND STANDARD FACEPLATES TO MATCH ELECTRICAL POWER OUTLET.

PLAN NOTES:

(1) FIRST POSITION DESIGNATED FOR VOICE SERVICES AT FACULTY AND STAFF DESK LOCATIONS.



4E WALL-MOUNT SOUND/DATA CABINET ROUGH-IN DETAIL
NOT TO SCALE



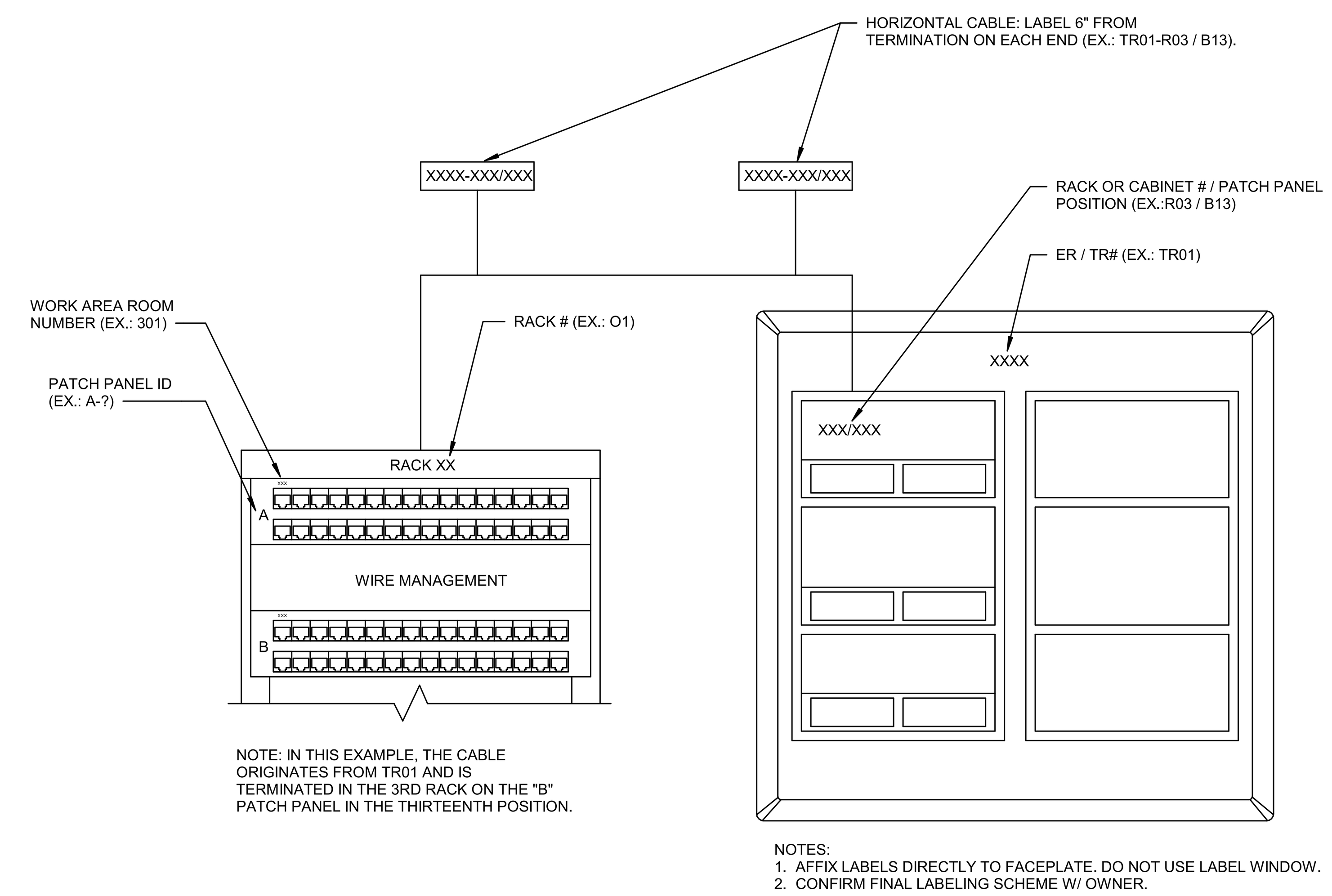
5A TERMINATION DETAIL
NOT TO SCALE

#	NOTES
	GENERAL TELECOMMUNICATIONS NOTES
A	REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

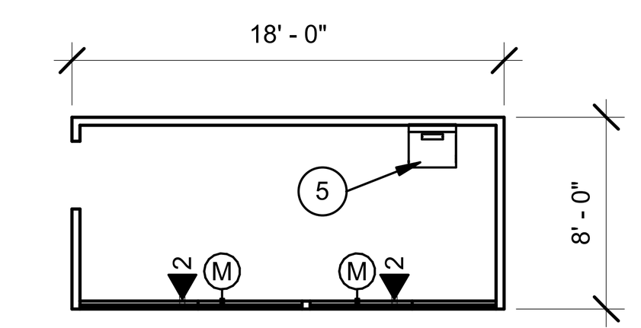
#	NOTES
	TELECOMMUNICATIONS PLAN NOTES
1	PROVIDE WALL MOUNTED TELECOMMUNICATIONS CABINET 7' A.F.F.
2	PROVIDE 2" CONDUIT STUB UP TO TELECOMMUNICATIONS CABINET FOR FIBER OPTIC CABLE.
3	PROVIDE VIDEO SURVEILLANCE CAMERA ROUGH IN 9'A.F.F. CAMERA TO BE FURNISHED BY OWNER.
4	PROVIDE ROUGH IN FOR BASEBALL SOUND SYSTEM SPEAKERS AS SPECIFIED. SPEAKERS SHALL BE ANGLED DOWN TO COVER THE BLEACHERS.
5	PROVIDE ROUGH IN FOR WALL MOUNTED CABINET FOR BASEBALL SOUND SYSTEM AS SPECIFIED. PROVIDE 120V QUAD REDEPTACLE.
6	PROVIDE VIDEO SURVEILLANCE CAMERA ROUGH-IN UNDER SOFFIT. CAMERAS TO BE FURNISHED BY OWNER.

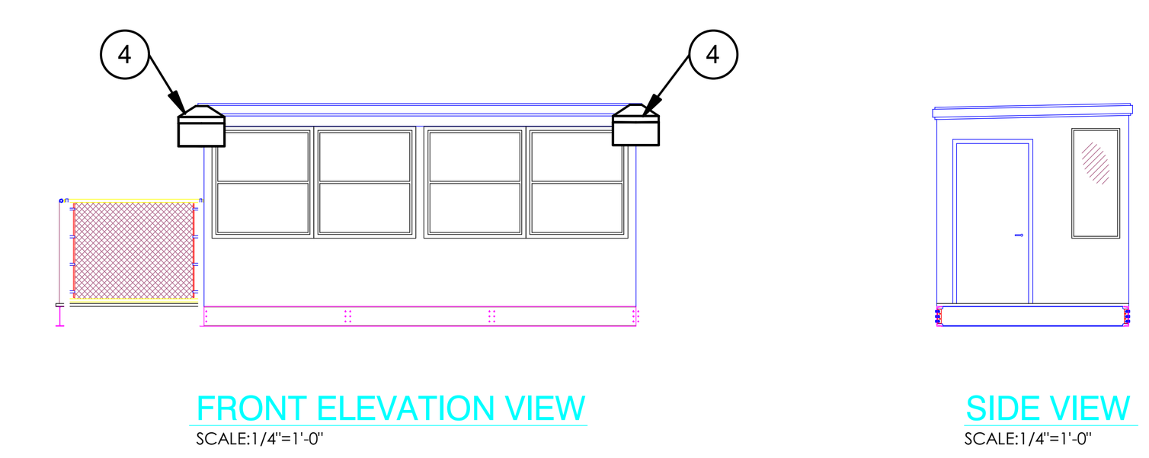
ROUGH-IN GENERAL NOTES:

1. TERMINATE ALL ROUGH-IN CONDUITS WITH 90 DEGREE SWEEP AND BUSHINGS IN NEAREST CONCEALED ACCESSIBLE CEILING SPACE.
2. CONDUIT BEND RADIUS TO BE COMPLIANT WITH BICSI TDMM MANUAL 12TH ED.
3. ALL ROUGH-IN CONDUITS ARE 1" UNLESS OTHERWISE NOTED.
4. PROVIDE NO MORE THAN THE EQUIVALENT OF (2) 90 DEGREE BENDS IN A SINGLE CONDUIT RUN.
5. ROUGH-IN OUTLET BOXES TO HAVE 90 DEGREE OPENING CORNERS ON FACE OF BOX.
6. ALL ROUGH-INS BY ELECTRICAL CONTRACTOR.

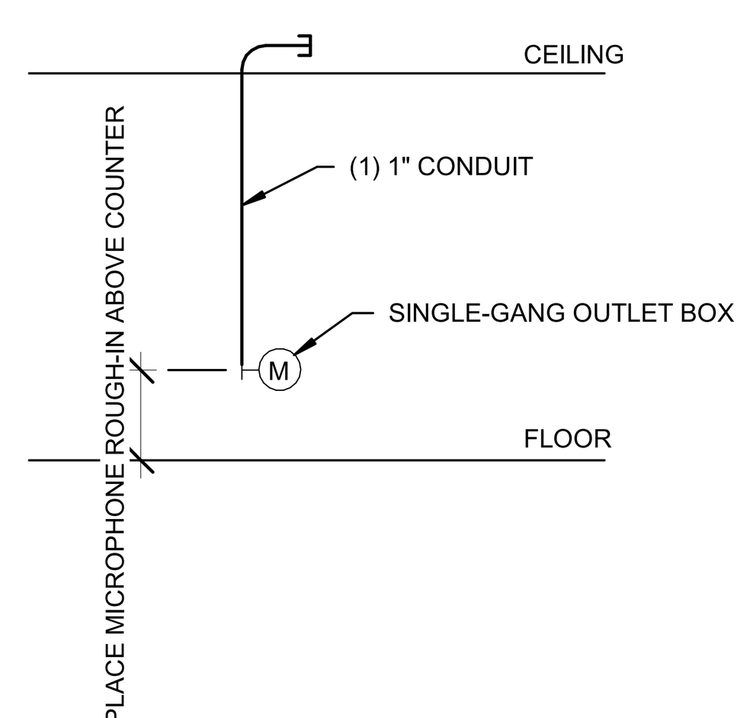


3C ER/TR RACK/PATCH PANEL, WORK AREA OUTLET FACEPLATE LABELING
NOT TO SCALE

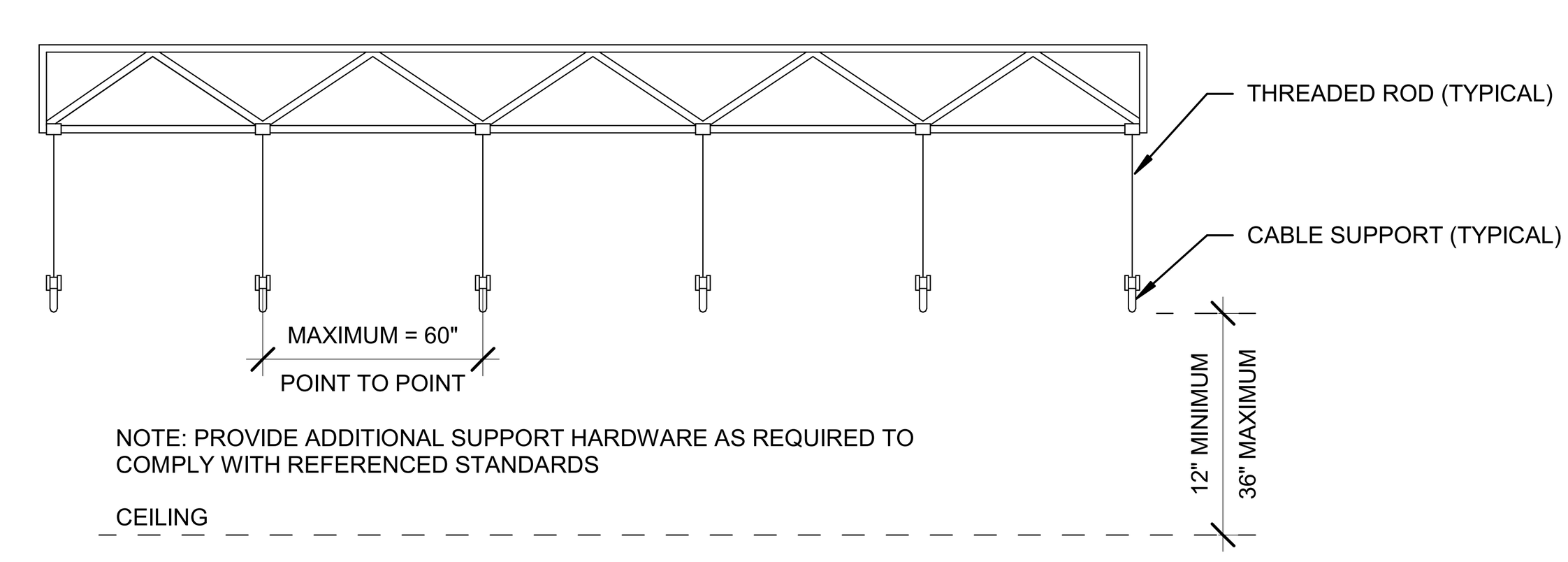




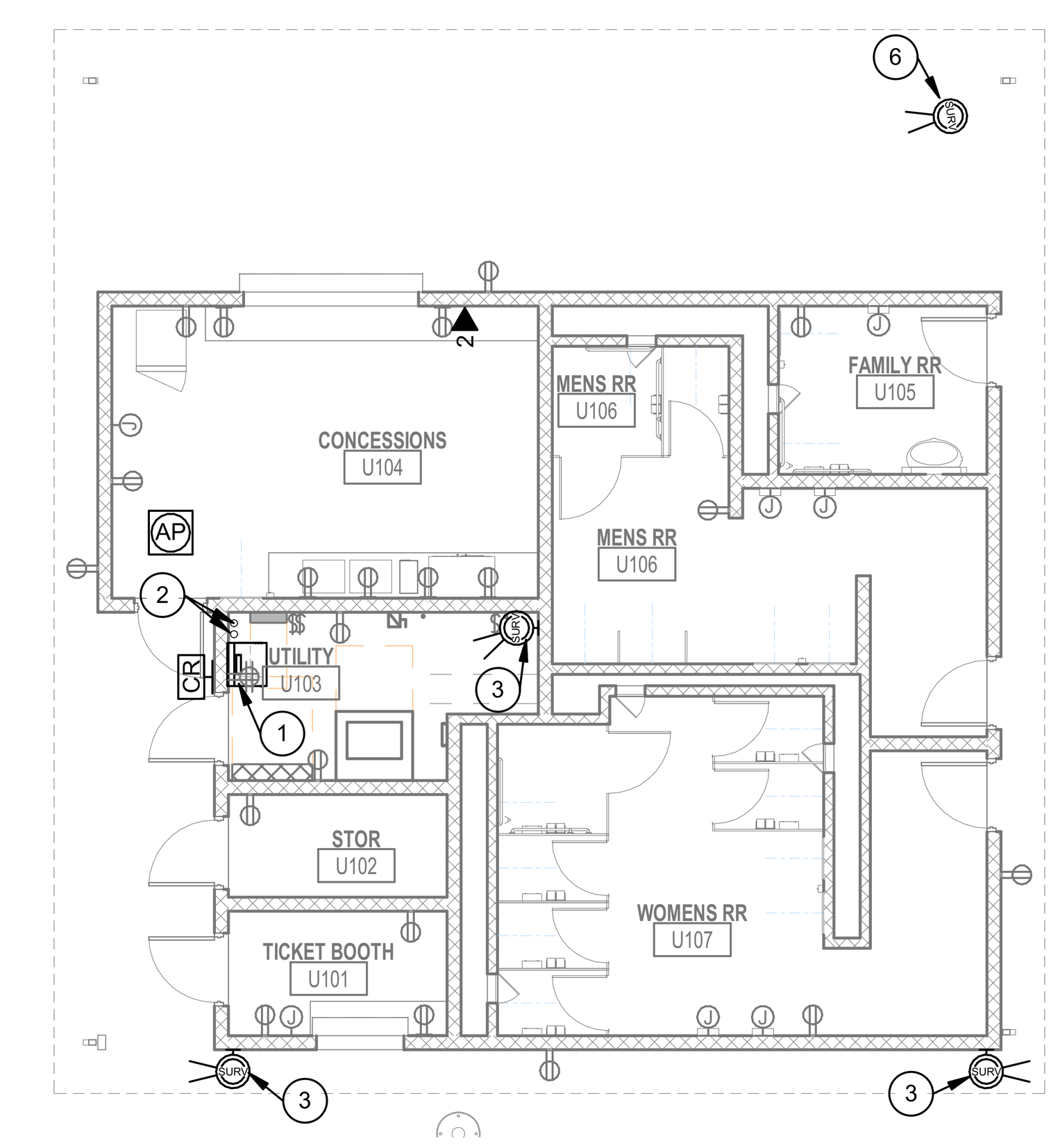
SEE SHEET CL301.N FOR PRESS BOX AND BLEACHER DETAILS.



1 MICROPHONE ROUGH-IN
1/8" = 1'-0"



3A CABLE SUPPORT DETAIL
NOT TO SCALE



1A BASEBALL CONCESSIONS AND PRESS BOX Telecommunications PLAN
1/8" = 1'-0"

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Project No. 2018-050.LNA
Project Date 06.22.2022
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SARAH KATHLEEN HEMPSTEAD REGISTERED NO. AR10400134 STATE OF INDIANA ARCHITECT

#	Revision	Date

7802 Hague Rd,
Indianapolis, IN 46256

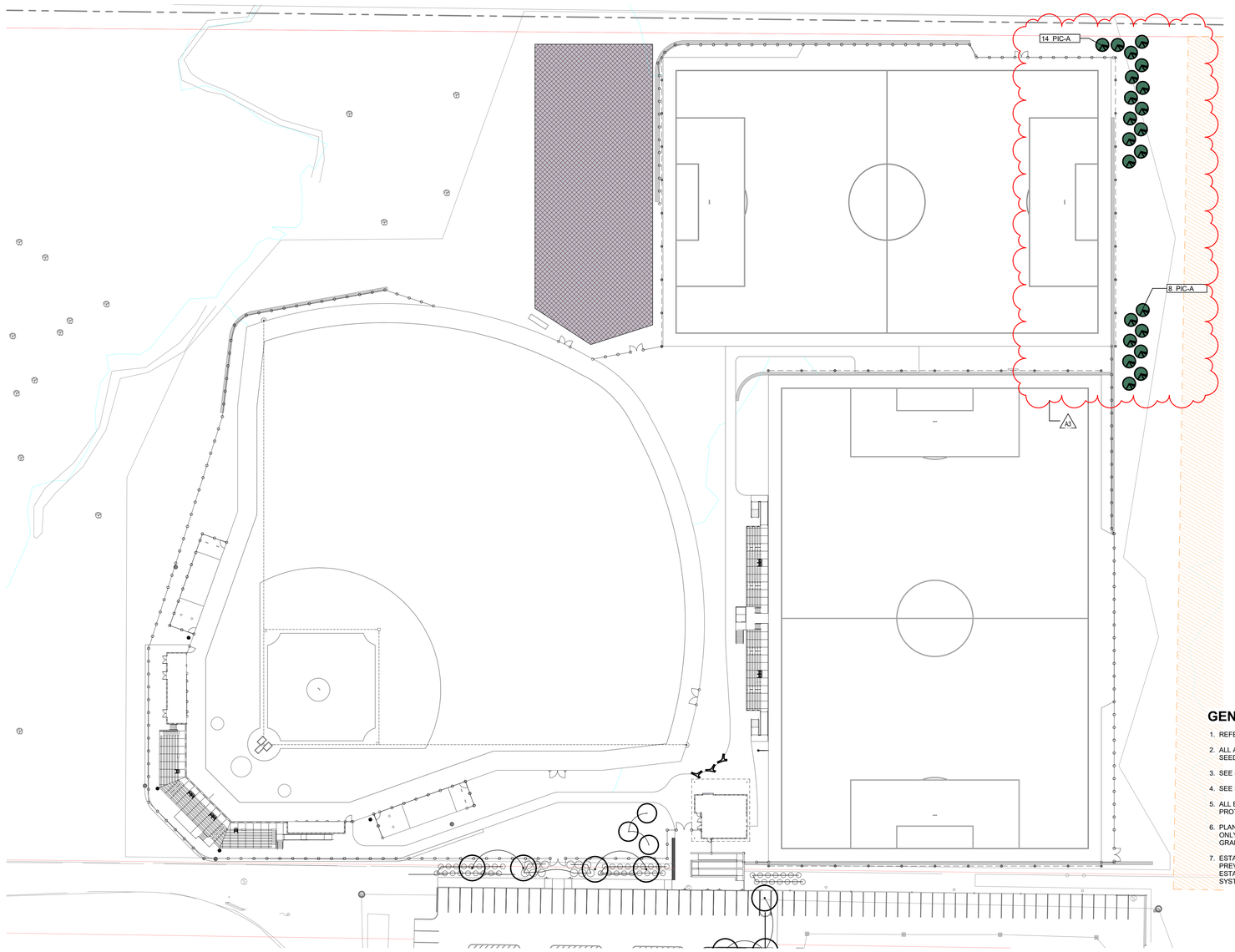
MSD of Lawrence Township

LAWRENCE NORTH HIGH SCHOOL

Lawrence North Athletic Fields

TELECOMMUNICATIONS PLAN

TF101.N



1 **LANDSCAPE PLAN - Athletic Fields**
1" = 40'-0"

PLANTING SCHEDULE

Count	Key	Scientific Name	Common Name	Size	Condition
2- Evergreen					
22	PIC-A	Picea Abies	Norway Spruce	6' ht	B&B
Ornamental/ Evergreen Trees					
3	AME-AB	Amelanchier × grandiflora 'Autumn Brilliance'	Autumn Brilliance serviceberry	18' ht.	B&B
Shade Trees					
3	ACE-AF	Acer rubrum 'Autmn Flame'	Autumn Flame red maple	2" Cal.	B&B
4	ACE-F	Acer rubrum 'Franksred'	Red Sunset red maple	2" Cal.	B&B
3	LIR-T	Liriodendron tulipifera	Tulip Tree	2" Cal.	B&B
5	QUE-A	Quercus alba	White Oak	2" Cal.	B&B
2	QUE-MA	Quercus macrocarpa	Bur Oak	2" Cal.	B&B
3	QUE-R	Quercus rubra	Red Oak	2" Cal.	B&B
Shrubs					
50	JUN-KC	Juniperus × pfitzeriana 'Kallay's Compact'	Kallay compact juniper	3 Gal, 18" min Ht	Cont.
12	VIB-D	Viburnum dentatum	Arrowwood Viburnum	3 Gal, 18" min Ht	Cont.

GENERAL PLANTING NOTES

1. REFERENCE C-001 FOR GENERAL PLANTING PLAN NOTES.
2. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SEEDED UNLESS INDICATED OTHERWISE ON THIS PLAN.
3. SEE SPECIFICATIONS FOR TURF SEEDING AND PLANTING INFORMATION.
4. SEE EROSION CONTROL PLAN FOR TEMPORARY SEEDING INFORMATION.
5. ALL EXISTING LANDSCAPING ON AND ADJACENT TO PROJECT SITE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
6. PLANT QUANTITIES LISTED IN THE TABLE ARE FOR CONTRACTOR CONVENIENCE ONLY. IN THE EVENT OF DISCREPANCY BETWEEN STATE AMOUNT AND WHAT IS GRAPHICALLY SHOWN ON PLAN, THE PLAN QUANTITY SHALL DICTATE.
7. ESTABLISH TURF GRASS ABOVE NATIVE AREA PRIOR TO SEEDING NATIVES TO PREVENT CONTAMINATION OF THE NATIVES. IN THE EVENT PRIOR ESTABLISHMENTS IS NOT FEASIBLE, UTILIZE SILT FENCE OR OTHER CONTROL SYSTEM TO PREVENT CROSS CONTAMINATION.

LANDSCAPE LEGEND

	PROPOSED CANOPY TREE
	PROPOSED EVERGREEN TREE
	PROPOSED ORNAMENTAL TREE
	PROPOSED SHRUB
	GENERAL TURF SEED MIX. SEE SPECS
	NATIVE SEED MIX. SEE SPECS

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Project No. 2018-050.LCA
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KYLE E. MILLER
REGISTERED
NO.
19900465
STATE OF
INDIANA
PROFESSIONAL ENGINEER

#	Revision	Date
A3	ADDENDUM #3	07.28.2022

7300 E 56th St,
Indianapolis, IN 46226

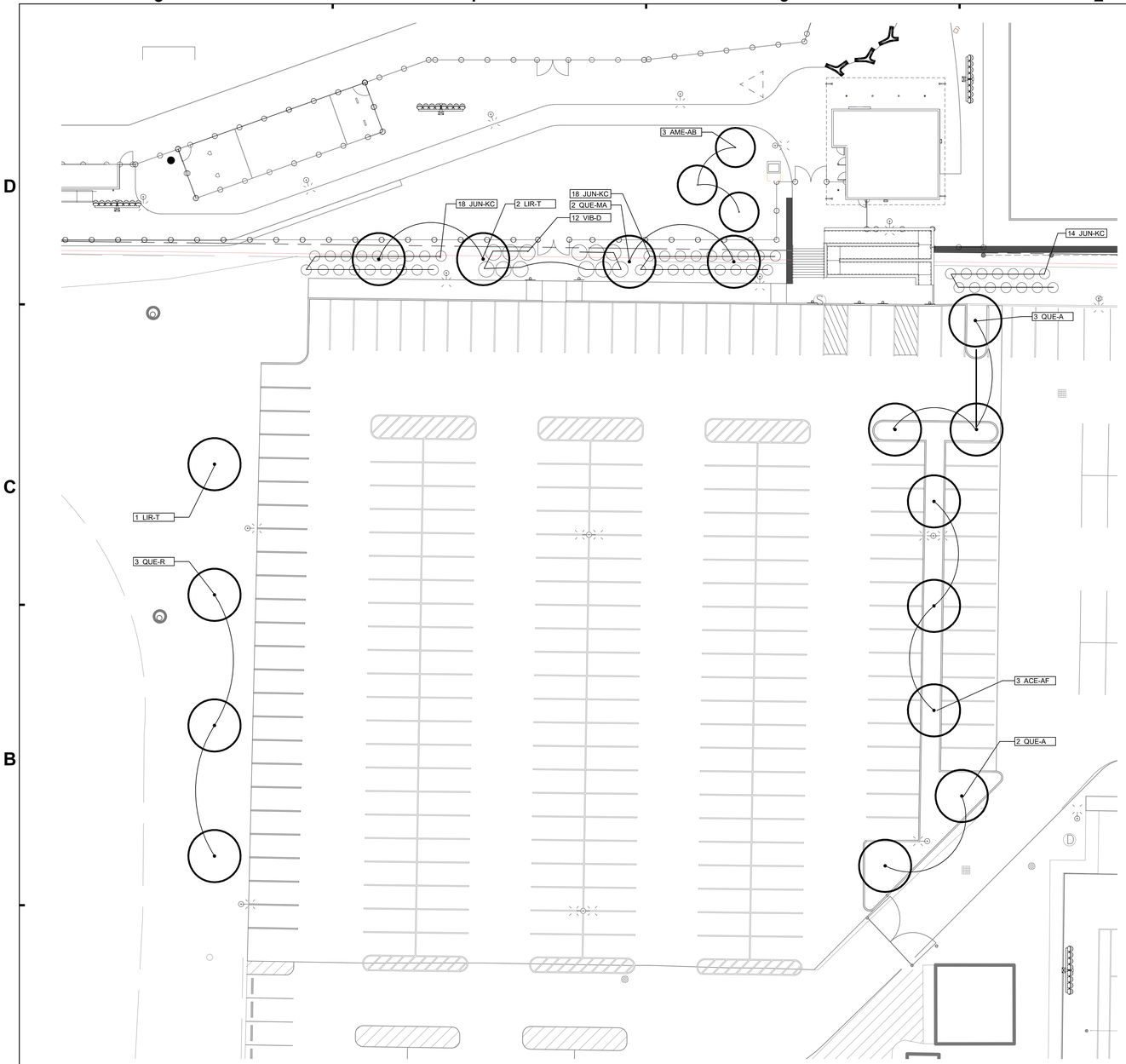
N

M.S.D. of Lawrence Township

Lawrence Central Athletic Fields

PLANTING PLAN

LP101.C



1 **LANDSCAPE PLAN - Parking**
1" = 20'-0"

GENERAL PLANTING NOTES

1. REFERENCE C-001 FOR GENERAL PLANTING PLAN NOTES.
2. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SEEDED UNLESS INDICATED OTHERWISE ON THIS PLAN.
3. SEE SPECIFICATIONS FOR TURF SEEDING AND PLANTING INFORMATION.
4. SEE EROSION CONTROL PLAN FOR TEMPORARY SEEDING INFORMATION.
5. ALL EXISTING LANDSCAPING ON AND ADJACENT TO PROJECT SITE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
6. PLANT QUANTITIES LISTED IN THE TABLE ARE FOR CONTRACTOR CONVENIENCE ONLY. IN THE EVENT OF DISCREPANCY BETWEEN STATE AMOUNT AND WHAT IS GRAPHICALLY SHOWN ON PLAN, THE PLAN QUANTITY SHALL DICTATE.
7. ESTABLISH TURF GRASS ABOVE NATIVE AREA PRIOR TO SEEDING NATIVES TO PREVENT CONTAMINATION OF THE NATIVES. IN THE EVENT PRIOR ESTABLISHMENTS IS NOT FEASIBLE, UTILIZE SILT FENCE OR OTHER CONTROL SYSTEM TO PREVENT CROSS CONTAMINATION.

LANDSCAPE LEGEND

	PROPOSED CANOPY TREE
	PROPOSED EVERGREEN TREE
	PROPOSED ORNAMENTAL TREE
	PROPOSED SHRUB
	GENERAL TURF SEED MIX. SEE SPECS
	NATIVE SEED MIX. SEE SPECS

PLANTING SCHEDULE

Count	Key	Scientific Name	Common Name	Size	Condition
2- Evergreen					
22	PIC-A	Picea Abies	Norway Spruce	6' ht	B&B
Ornamental/ Evergreen Trees					
3	AME-AB	Amelanchier × grandiflora 'Autumn Brilliance'	Autumn Brilliance serviceberry	8' ht.	B&B
Shade Trees					
3	ACE-AF	Acer rubrum 'Autmn Flame'	Autumn Flame red maple	2" Cal.	B&B
4	ACE-F	Acer rubrum 'Franksred'	Red Sunset red maple	2" Cal.	B&B
3	LIR-T	Liriodendron tulipifera	Tulip Tree	2" Cal.	B&B
5	QUE-A	Quercus alba	White Oak	2" Cal.	B&B
2	QUE-MA	Quercus macrocarpa	Bur Oak	2" Cal.	B&B
3	QUE-R	Quercus rubra	Red Oak	2" Cal.	B&B
Shrubs					
50	JUN-KC	Juniperus × pfitzeriana 'Kallay's Compact'	Kallay compact juniper	3 Gal, 18" min Ht	Cont.
12	VIB-D	Viburnum dentatum	Arrowwood Viburnum	3 Gal, 18" min Ht	Cont.

SCHMIDT
ASSOCIATES
415 Massachusetts Avenue
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Project No. 2018-050.LCA
Project Date 06.22.2022
Produced KL

KYLE E. MILLER
REGISTERED
NO. 19900465
STATE OF INDIANA
PROFESSIONAL ENGINEER

#	Revision	Date
A3	ADDENDUM #3	07.28.2022

7300 E 56th St,
Indianapolis, IN 46226

N

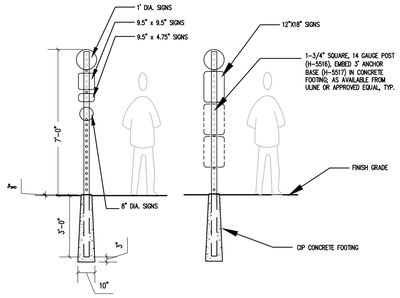
M.S.D. of Lawrence Township

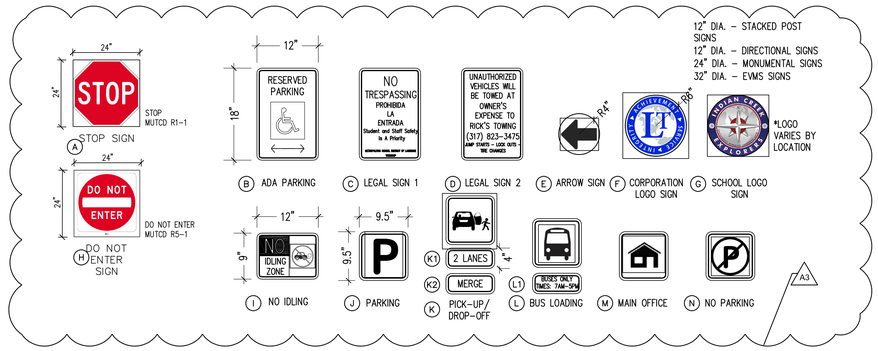
Lawrence Central Athletic Fields

PLANTING PLAN

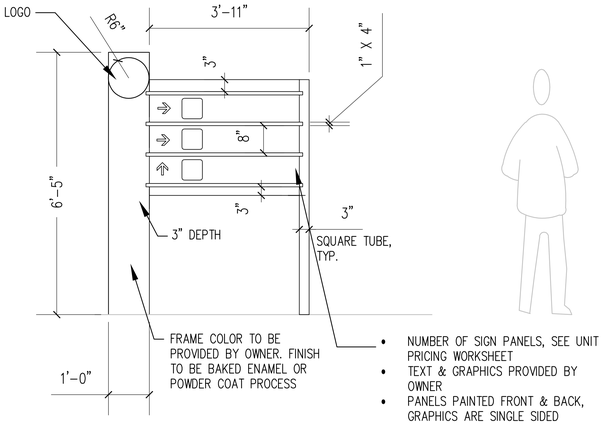
LP103.C

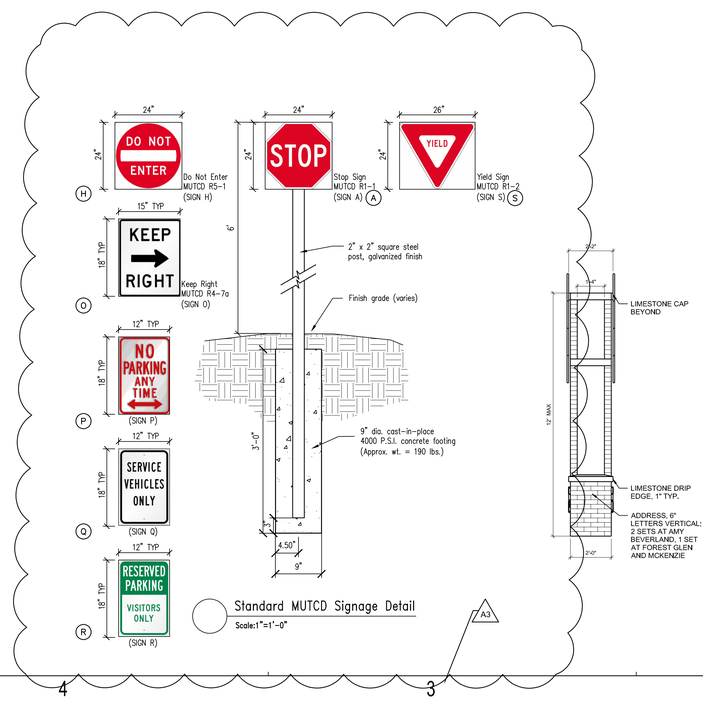
A3





Vehicle Access Control Gate
Scale: 1/4" = 1'-0"

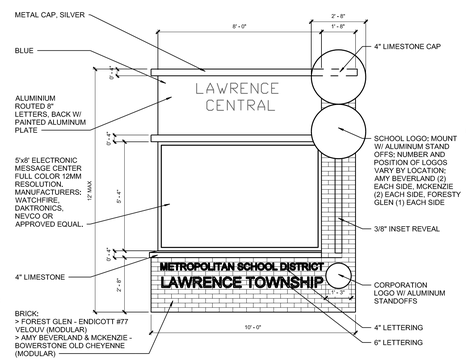


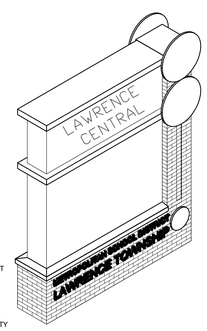


Standard MUTCD Signage Detail
Scale:1"=1'-0"

CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION

ALL TEXT TO BE MYRIAD PRO. ALL PAINT COLORS TO BE VERIFIED WITH ARCHITECT/ENGINEER PRIOR TO FABRICATION





A2

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KYLE E. MILLER REGISTERED PROFESSIONAL ENGINEER NO. 19900465 STATE OF INDIANA

#	Revision	Date
A2	ADDENDUM 2	07.21.2022
A3	ADDENDUM 3	07.28.2022

7300 E 56th St,
Indianapolis, IN 46226

KEY PLAN

N

M.S.D. of Lawrence Township

LAWRENCE CENTRAL ATHLETIC FIELDS

SITE LAYOUT DETAILS

CL502.C

MSD of Lawrence Township – Lawrence Site Improvements
2018-050.LNA and 2018-050.LCA
Addendum 3 – Bidder questions

1 Does any of the baseball infield/warning track mix remain in the synthetic turf alternates? Do the synthetic playing turf alternates include a synthetic infield, synthetic warning track, synthetic pitcher's mound, synthetic home plate, etc.? Are the infield mix and warning track mix different mixes or the same mix? Please clarify. Answer: No infield/warning track soil mix is required for the synthetic turf bid alternates. All playing field surfaces are synthetic turf in the synthetic turf bid alternates. The same soil mix is used on the infield and the warning tracks.

2 I did find a detail on sheet CL501.C for "Infield Surfacing Detail". Will a specification section be issued prior to the bid with the responsible Bid Category assigned? Please advise. Answer: A specification is included in Addendum 3.

3 Grounding of vinyl coated fence. Answer: Provide fence grounding in accordance with Specification Section 323113.

4. Under the base bid, for the empty conduits to the future sports lighting poles, how do we terminate and leave the conduit by the poles? Answer: See Addendum 3.

5. Who is responsible for all the lay-out for parking lot poles, pathway poles, flagpole lighting, and the new sports lighting? Answer: Contractor is responsible for providing construction layout for work in their contract.

6. On the telecom drawings on Central TS101.C and TF101.C, the 2-inch PVC conduit going from the football concession stand to the new baseball concession building and the baseball press box. Is this large enough to handle the 12 strand MM fiber and also the 750 MCM copper TBB ground wire? Who is responsible to terminate the fiber in all 3 locations? If the contractor is, where do we terminate the fiber and the ground wire in the existing football concession stand? Answer: See Addendum 3.

7. Same exact question as #6 on Lawrence TS101.N and TF101.N. Answer: See Addendum 3.