VENTURA UNIFIED SCHOOL DISTICT

BUENA HIGH SCHOOL STADIUM SURFACING

BID # E15-25 REBID

NOVEMBER 14TH, 2025

ADDENDUM #01

NOTICE TO BIDDERS:

The following revisions and/or clarifications shall be made to the bidding requirements and contract documents. Revise and amend the documents for the above-named project in accordance with this addendum. The bid shall reflect these addendum changes and each bidder shall refer in their bid to this addendum.

All bidding requirements and contract documents shall apply to this addendum as originally indicated in the applicable portions of the contract documents, unless otherwise modified by this addendum.

Contractors shall acknowledge this addendum at the space provided on the Bid Proposal.

REVISIONS, CLARIFICATIONS, & RESPONSES TO PRE-BID RFI'S:

1. Bid due date changed to **Friday November 21st at 2PM** via Secure Bids.
2. See attached Pre-Bid RFI Responses.
3. See 'Addendum A' from LPA Architects noting changes to the bid documents as outlined.

REVISIONS TO THE PLANS: C1.01, C1.02, C2.01. C2.02, L0.01, L1.01, L1.02, L2.01, L2.02, L3.01, L5.01, L5.02, L5.03, L5.05

REVISIONS TO THE SPECIFICATIONS: 00 01 10, 26 05 19, 26 05 83, 26 27 26

END OF ADDENDUM #1

Addendum: 1 page

ENCLOSURES: 45 Pages

Total Number of Pages: 46 Pages

Pre-Bid RFI #1

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	Buena High School Stadium Surfacing - Rebid		
PROJECT NUMBER:	Bid #E15-25 Rebid		
TO:	Steve Key Ryan Hughes Anna Kohr	EMAIL:	skey@lpadesignstudios.com ryan.hughes@venturausd.org akohr@balbourbeattyus.com

DATE:	11-4-25		
FROM:	Ohno Construction Company	EMAIL:	estimating@ohnoconstruction.com
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	L1.01 - L1.02

REQUESTED CLARIFICATION:

Please confirm if Note A09 electrical boxes located at the football goal posts are new or existing. Please provide electrical layout for our reference if boxes will be new.

RESPONSE TO CLARIFICATION:

All infrastructure is existing to remain and be protected including conduit and wire. New boxes and outlets are provided per detail 06,07,13/L5.03 as keynoted in materials plans. Any damaged existing utilities must be replaced in kind at no cost to the owner.

T. Torres; LPA, inc

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Pre-Bid RFI #2

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	Buena High School Stadium Surfacing - Rebid		
PROJECT NUMBER:	Bid #E15-25 Rebid		
TO:	Steve Key Ryan Hughes Anna Kohr	EMAIL:	skey@lpadesignstudios.com ryan.hughes@venturausd.org akohr@balbourbeattyus.com

DATE:	11-4-25		
FROM:	Ohno Construction Company	EMAIL:	estimating@ohnoconstruction.com
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	NA

REQUESTED CLARIFICATION:

Please confirm if all utility boxes need replacement only.

RESPONSE TO CLARIFICATION:

All infrastructure is existing to remain and be protected including conduit and wire. New boxes and outlets are provided per detail 06,07,13/L5.03 as keynoted in materials plans. Any damaged existing utilities must be replaced in kind at no cost to the owner.

T. Torres; LPA, inc.

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Pre-Bid RFI #3

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	Buena High School Stadium Surfacing - Rebid		
PROJECT NUMBER:	Bid #E15-25 Rebid		
TO:	Steve Key Ryan Hughes Anna Kohr	EMAIL:	skey@lpadesignstudios.com ryan.hughes@venturausd.org akohr@balbourbeattyus.com

DATE:	11-4-25		
FROM:	Ohno Construction Company	EMAIL:	estimating@ohnoconstruction.com
DOCUMENT/DIVISION NUMBER:	Section 055213-2/2.03	DRAWING NUMBER:	Stainless per detail 01/L5.02

REQUESTED CLARIFICATION:

Please confirm if ramp railings finish if "galvanized" per Section 055213-2/2.03 or "stainless" per detail 01/L5.02

RESPONSE TO CLARIFICATION:

Galvanized.

T. Torres; LPA inc

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Pre-Bid RFI #4

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	Buena High School Stadium Surfacing - Rebid		
PROJECT NUMBER:	Bid #E15-25 Rebid		
TO:	Steve Key Ryan Hughes Anna Kohr	EMAIL:	skey@lpadesignstudios.com ryan.hughes@venturausd.org akohr@balbourbeattyus.com

DATE:	11-4-25		
FROM:	Ohno Construction Company	EMAIL:	estimating@ohnoconstruction.com
DOCUMENT/DIVISION NUMBER:	099600 321413	DRAWING NUMBER:	NA

REQUESTED CLARIFICATION:

Please confirm if Sections 099600 High Performance Coatings and 321413 Precast Concrete Unit Paving are required on this project. Please provide area or location of application.

RESPONSE TO CLARIFICATION:

Section 099600 High Performance Coating; NOT REQUIRED

Section 321413 Precast Concrete Unit Paving; REQUIRED.
Applies to truncated dome pavers at ADA parking stalls.

caguilar LPA inc.

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Pre-Bid RFI #5

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	Buena High School Stadium Surfacing - Rebid		
PROJECT NUMBER:	Bid #E15-25 Rebid		
TO:	Steve Key Ryan Hughes Anna Kohr	EMAIL:	skey@lpadesignstudios.com ryan.hughes@venturausd.org akohr@balbourbeattyus.com

DATE:	11-4-25		
FROM:	Ohno Construction Company	EMAIL:	estimating@ohnoconstruction.com
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	Detail 01 & 03/L5.03

REQUESTED CLARIFICATION:

We refer to detail 01 &03/L5.03 - please confirm if contractor will provide 1-stone system or 2-stone system of permeable base.

RESPONSE TO CLARIFICATION:

Provide 1 stone system. Refer to spec section 321813 Synthetic Turf Surfacing section 2.02-A1&2

caguilar LPA inc.

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Pre-Bid RFI #6

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	Buena High School Stadium Surfacing - Rebid		
PROJECT NUMBER:	Bid #E15-25 Rebid		
TO:	Steve Key Ryan Hughes Anna Kohr	EMAIL:	skey@lpadesignstudios.com ryan.hughes@venturausd.org akohr@balbourbeattyus.com

DATE:	11-06-25		
FROM:	Ohno Construction Company	EMAIL:	estimating@ohnoconstruction.com
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	NA

REQUESTED CLARIFICATION:

Would the District please provide the location for the staging & construction entrance?

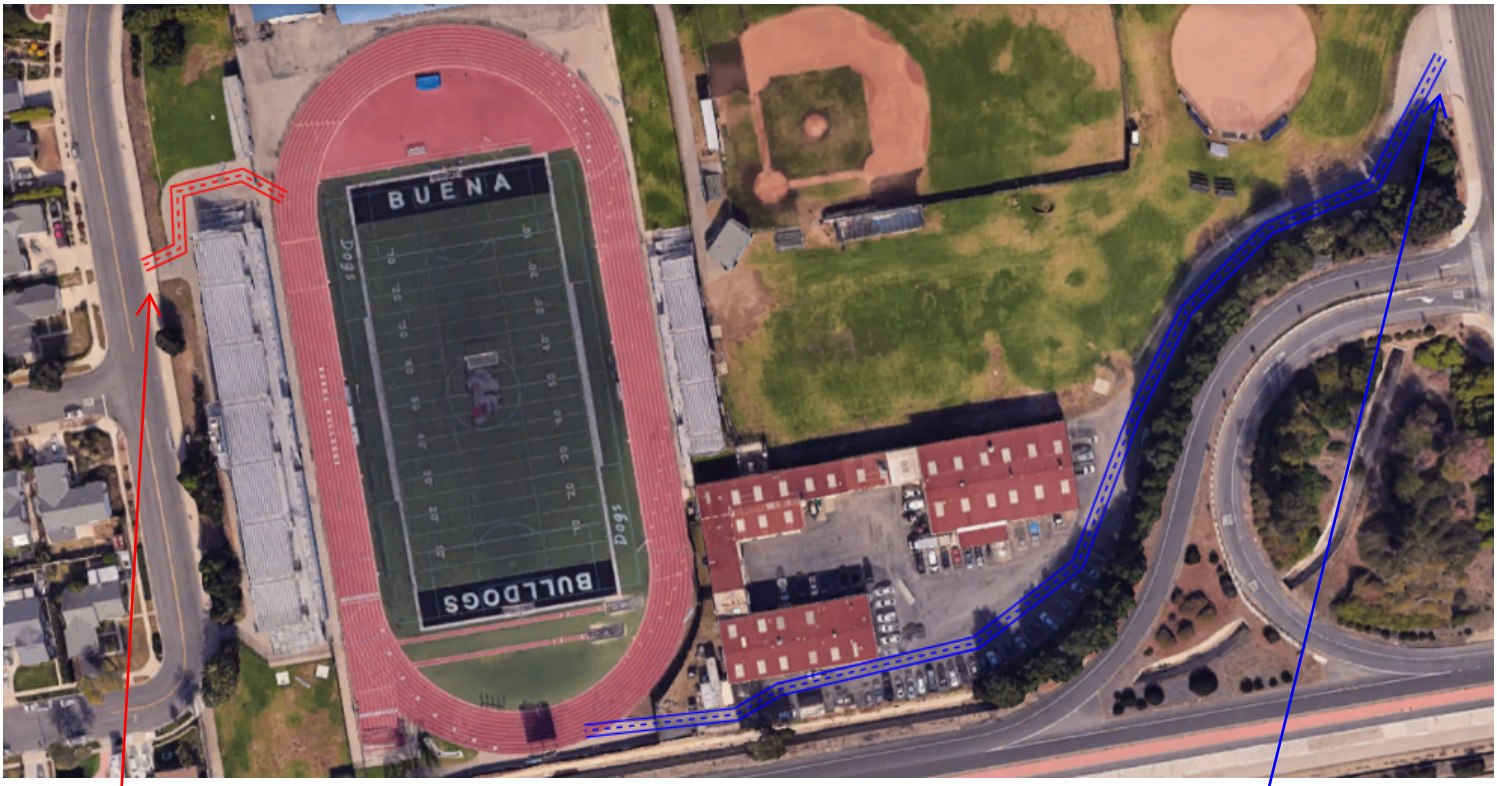
RESPONSE TO CLARIFICATION:

Construction entrance is through the facilities yard from Victoria. Alternate access can be obtained from behind the bleachers. Laydown can be coordinated during construction within the stadium. See exhibit attached._

mmichalek LPA inc

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

E15-25 Buena High School Stadium Surfacing
Bid RFI 06
Exhibit
11/12/2025



ALTERNATE ACCESS

PREFERRED CONSTRUCTION ACCESS

Pre-Bid RFI #7

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	Buena High School Stadium Surfacing - Rebid		
PROJECT NUMBER:	Bid #E15-25 Rebid		
TO:	Steve Key Ryan Hughes Anna Kohr	EMAIL:	skey@lpadesignstudios.com ryan.hughes@venturausd.org akohr@balbourbeattyus.com

DATE:	11-06-25		
FROM:	Ohno Construction Company	EMAIL:	estimating@ohnoconstruction.com
DOCUMENT/DIVISION NUMBER:	26 05 33.13 & 26 05 33.16	DRAWING NUMBER:	

REQUESTED CLARIFICATION:

Please confirm if there are any electrical upgrades scope on this job. The electrical drawing layout is not available in the set of drawings; we would like to confirm if they are missing or not.

RESPONSE TO CLARIFICATION:

Refer to Addendum 'A'. Civil Demolition and Grading plans, and Landscape Material & Layout plans are updated to reflect electrical scope. Additional specifications for low voltage and wiring are added to the project manual. Contractor to furnish and install new waterproof outlets and electrical power at turf boxes shown on the materials plan. Run conduit and wiring from COM Box at 50 yard line on north side of the field. Conduit installation to occur underneath the track (not within field side). Use circuit 13. Both 11 & 13 are available from the COM Box.

mmichalek/caguilar LPA inc

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Pre-Bid RFI #8

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	Buena High School Stadium Surfacing - Rebid		
PROJECT NUMBER:	Bid #E15-25 Rebid		
TO:	Steve Key Ryan Hughes Anna Kohr	EMAIL:	skey@lpadesignstudios.com ryan.hughes@venturausd.org akohr@balbourbeattyus.com

DATE:	11-06-25		
FROM:	Ohno Construction Company	EMAIL:	estimating@ohnoconstruction.com
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	NA

REQUESTED CLARIFICATION:

Please confirm there are no upgrades in the existing restroom except signs.

RESPONSE TO CLARIFICATION:

Confirmed

mmichalek LPA inc

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Pre-Bid RFI #9

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	Buena High School Stadium Surfacing - Rebid		
PROJECT NUMBER:	Bid #E15-25 Rebid		
TO:	Steve Key Ryan Hughes Anna Kohr	EMAIL:	skey@lpadesignstudios.com ryan.hughes@venturausd.org akohr@balbourbeattyus.com

DATE:	11-07-25		
FROM:	Ohno Construction Company	EMAIL:	estimating@ohnoconstruction.com
DOCUMENT/DIVISION NUMBER:	32 1814.20-5 and 32 1814 20-6	DRAWING NUMBER:	L5.03 Detail 05 and C2.202 note 21

REQUESTED CLARIFICATION:

Please confirm subdrain (collector) drain rock aggregates to use if they should be "1-stone per detail 05/L5.03" or "2-stone #8 and #57 per specs 32 1814.20-5". Also, please confirm which flat drains product we will be using if "ADS AdvanEdge per spec section 32 1814.20-6 " or "Multiflow per sht drawg C2.02 Note 21"

RESPONSE TO CLARIFICATION:

Single type stone permeable base to be used at synthetic turf. Dual stone permeable base to be used at perimeter collector drains only. Detail 05/L5.03 is updated accordingly.

ADS AdvanEdge and Multiflow are equals. LPA takes no exception to the use of either.

mmichalek; LPA

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

November 14, 2025

Bid Addendum No. A
To the contract documents for BUENA HIGH SCHOOL TRACK AND FIELD REPLACEMENT
For the VENTURA UNIFIED SCHOOL DISTRICT

NOTICE TO BIDDERS

This bid addendum forms a part of the contract and modifies the original bidding documents dated March 29, 2025. It is intended that all work affected by the following modifications shall conform to related provisions and general conditions of the Contract of the original drawings and specifications. Modify the following items wherever appearing in any drawings or sections of the specifications. Acknowledge receipt of Bid Addendum No. A in the space provided on the Bid Form. Failure to do so may subject to disqualification.

Changes to Specifications

Item No. 1 **00 01 10 – TABLE OF CONTENTS** – Updated per new Division Specifications.

Item No. 2 **26 05 19 – LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES**: New specification added.

Item No. 3 **26 05 83 - WIRING CONNECTIONS** – New specification added.

Item No. 4 **26 27 26 - WIRING DEVICES** – New specification added.

Changes to Drawings

Item No. 1 **C1.01 – DEMOLITION & EROSION CONTROL PLAN** – Removed portion of existing asphalt pavement in the track and patch in place. Removed and replaced concrete.

Item No. 2 **C1.02 – DEMOLITION & EROSION CONTROL PLAN** – Removed portion of existing asphalt pavement in the track and patch in place. Removed and replaced concrete.

Item No. 3 **C2.01 – GRADING, PAVING, STORM DRAIN & DETAILS PLAN**: Provide connection and power from existing comm box and supply 1 ½" underground conduit and new com box. Use Circuit 13

Item No. 4 **C2.02 – GRADING, PAVING, STORM DRAIN & DETAILS PLAN**: Provide connection and power from existing comm box and supply 1 ½" underground conduit and new com box. Use Circuit 13

Item No. 5 **L0.01 LANDSCAPE NOTES AND SCHEDULES** - Materials Keynote Legend Updated. Keynotes A08, A09, & A10 detail reference updated. Keynote A06 title revised to match detail. Reference keynote O added. Sports equipment legend updated to account for two additional QCV synthetic turf boxes and one new QCV tack box.

Item No. 4 **L1.01 MATERIALS PLAN** – Keynote updates per L0.01. Added new location for 'FULL COM' box. Added keynote 'A09' with associated note relative to required power feed from an existing location. Added two (2) QCV synthetic turf boxes at existing QCV locations.

Item No. 5 **L1.02 MATERIALS PLAN** - Keynote updates per L0.01. Added note and keynotes relative to required power feed from an existing location. Added one (1) QCV track surfacing box at existing QCV location.

Item No. 6 **L2.01 LAYOUT PLAN** – Due to added Com box & QCV box; dimensions updated accordingly.

Item No. 7 **L2.02 LAYOUT PLAN** – Due to added QCV box; dimensions updated accordingly

Item No. 8 **L3.01 CONSTRUCTION DETAILS** – Keynote updates per L0.01. Reference Keynote O added to the plan.

Item No. 9 **L5.01 CONSTRUCTION DETAILS** – Detail 11 dimension updated and drawn to scale to reflect correct width of retaining curb. Detail 10 removed from sheet.

Item No. 10 **L5.02 CONSTRUCTION DETAILS** – Details 01, 02, 03, & 07 have been revised removing any reference to 'Stainless Steel'.

Item No. 11 **L5.03 CONSTRUCTION DETAILS** – Detail 08, keynote 10 updated and graphic updated to show single stone type permeable base. Detail 05 detail revised to reflect 2-stone types at perimeter drains. Detail 13 added for single instance of an existing QCV at track surfacing area.

Item No. 12 **L5.05 CONSTRUCTION DETAILS** – Detail 01, 03, and 04 updated to more accurately reflect CMAS track and field striping. Detail 18 updated to show single stone type permeable base.

End of Bid Addendum No. A

SECTION 000110
TABLE OF CONTENTS

PROCUREMENT AND CONTRACTING REQUIREMENTS

DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS

000101 - Project Title Page
000103 - Project Directory
000110 - Table of Contents

SPECIFICATIONS

DIVISION 01 -- GENERAL REQUIREMENTS

011000 - Summary
012000 - Price and Payment Procedures
012500 - Substitution Procedures
012500.01 - Substitution Request Form
013000 - Administrative Requirements
013000.01 - Request for Interpretation Form
013000.02 - Digital Data Request Form
013000.03 - Submittal Cover Sheet
013216 - Construction Progress Schedule
014000 - Quality Requirements
015000 - Temporary Facilities and Controls
015639 - Temporary Tree and Plant Protection
015713 - Temporary Erosion and Sediment Control
015813 - Temporary Project Signage
016000 - Product Requirements
016116 - Volatile Organic Compound (VOC) Restrictions
017000 - Execution and Closeout Requirements
017419 - Construction Waste Management and Disposal
017800 - Closeout Submittals
017800.01 - Notice of Completion Warranty Form (Public Client)
017900 - Demonstration and Training

DIVISION 02 -- EXISTING CONDITIONS

024100 - Demolition

DIVISION 03 -- CONCRETE

031000 - Concrete Forming and Accessories
032000 - Concrete Reinforcing

DIVISION 04 -- MASONRY

DIVISION 05 -- METALS
055213 - Pipe and Tube Railings

DIVISION 06 -- WOOD, PLASTICS, AND COMPOSITES

DIVISION 07 -- THERMAL AND MOISTURE PROTECTION
079200 - Joint Sealants

DIVISION 08 -- OPENINGS

DIVISION 09 -- FINISHES
099600 - High-Performance Coatings

DIVISION 10 -- SPECIALTIES

DIVISION 11 -- EQUIPMENT
- Athletic Field Equipment

DIVISION 12 -- FURNISHINGS

DIVISION 13 -- SPECIAL CONSTRUCTION

DIVISION 14 -- CONVEYING EQUIPMENT

DIVISION 21 -- FIRE SUPPRESSION

DIVISION 22 -- PLUMBING

DIVISION 23 -- HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

DIVISION 25 -- INTEGRATED AUTOMATION

DIVISION 26 -- ELECTRICAL
A 260519 - Low-Voltage Electrical Power Conductors and Cables
260533.13 - Conduit for Electrical Systems
260533.16 - Boxes for Electrical Systems
A 260583 - Wiring Connections
262726 - Wiring Devices

DIVISION 27 -- COMMUNICATIONS

DIVISION 28 -- ELECTRONIC SAFETY AND SECURITY

DIVISION 31 -- EARTHWORK

311000 - Site Clearing
312200 - Grading

DIVISION 32 -- EXTERIOR IMPROVEMENTS

320190 - Landscape Maintenance
321123 - Aggregate Base Courses
321216 - Asphalt Paving
321313 - Concrete Paving
321373 - Pavement Joint Sealers
321413 - Precast Concrete Unit Paving
321813 - Synthetic Turf Surfacing
321823 - Synthetic Running Track Surfacing
323113 - Chain Link Fences and Gates
329119 - Landscape Grading
329300 - Landscape Work

DIVISION 33 -- UTILITIES

334211 - Stormwater Gravity Piping

DIVISION 34 -- TRANSPORTATION

DIVISION 35 -- WATERWAY AND MARINE CONSTRUCTION (NOT USED)

DIVISION 40 -- PROCESS INTEGRATION (NOT USED)

DIVISION 42 -- PROCESS HEATING, COOLING, AND DRYING EQUIPMENT (NOT USED)

DIVISION 44 -- POLLUTION CONTROL EQUIPMENT (NOT USED)

DIVISION 46 -- WATER AND WASTEWATER EQUIPMENT (NOT USED)

END OF SECTION 000110

SECTION 260519
LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Single conductor building wire.
B. Underground feeder and branch-circuit cable.
C. Wiring connectors.
D. Electrical tape.
E. Heat shrink tubing.
F. Oxide inhibiting compound.
G. Wire pulling lubricant.
H. Cable ties.

1.02 RELATED REQUIREMENTS

A. Section 078400 - Firestopping.
B. Section 260505 - Selective Demolition for Electrical: Disconnection, removal, and/or extension of existing electrical conductors and cables.
C. Section 260526 - Grounding and Bonding for Electrical Systems: Additional requirements for grounding conductors and grounding connectors.
D. Section 260553 - Identification for Electrical Systems: Identification products and requirements.
E. Section 312316 - Excavation.
F. Section 312316.13 - Trenching: Excavating, bedding, and backfilling.
G. Section 312323 - Fill: Bedding and backfilling.

1.03 REFERENCE STANDARDS

A. ASTM B3 - Standard Specification for Soft or Annealed Copper Wire; 2013 (Reapproved 2024).
B. ASTM B8 - Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft; 2023.
C. ASTM B33 - Standard Specification for Tin-Coated Soft or Annealed Copper Wire for Electrical Purposes; 2010, with Editorial Revision (2020).
D. ASTM B787/B787M - Standard Specification for 19 Wire Combination Unilay-Stranded Copper Conductors for Subsequent Insulation; 2004 (Reapproved 2020).
E. ASTM B800 - Standard Specification for 8000 Series Aluminum Alloy Wire for Electrical Purposes - Annealed and Intermediate Tempers; 2005 (Reapproved 2021).
F. ASTM D3005 - Standard Specification for Low-Temperature Resistant Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape; 2024.
G. ASTM D4388 - Standard Specification for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes; 2020.
H. FS A-A-59544 - Cable and Wire, Electrical (Power, Fixed Installation); 2008a (Validated 2019).

I. NECA 1 - Standard for Good Workmanship in Electrical Construction; 2023.

J. NECA 120 - Standard for Installing Armored Cable (AC) and Type Metal-Clad (MC) Cable; 2018.

K. NECA 121 - Standard for Installing Nonmetallic-Sheathed Cable (Type NM-B) and Underground Feeder and Branch-Circuit Cable (Type UF); 2024.

L. NEMA WC 70 - Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy; 2021.

M. NETA ATS - Standard For Acceptance Testing Specifications For Electrical Power Equipment And Systems; 2021.

N. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

O. UL 4 - Armored Cable; Current Edition, Including All Revisions.

P. UL 44 - Thermoset-Insulated Wires and Cables; Current Edition, Including All Revisions.

Q. UL 83 - Thermoplastic-Insulated Wires and Cables; Current Edition, Including All Revisions.

R. UL 486A-486B - Wire Connectors; Current Edition, Including All Revisions.

S. UL 486C - Splicing Wire Connectors; Current Edition, Including All Revisions.

T. UL 486D - Sealed Wire Connector Systems; Current Edition, Including All Revisions.

U. UL 493 - Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables; Current Edition, Including All Revisions.

V. UL 510 - Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape; Current Edition, Including All Revisions.

W. UL 719 - Nonmetallic-Sheathed Cables; Current Edition, Including All Revisions.

X. UL 854 - Service-Entrance Cables; Current Edition, Including All Revisions.

Y. UL 1277 - Electrical Power and Control Tray Cables with Optional Optical-Fiber Members; Current Edition, Including All Revisions.

Z. UL 1569 - Metal-Clad Cables; Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordination:
   1. Coordinate sizes of raceways, boxes, and equipment enclosures installed under other sections with the actual conductors to be installed, including adjustments for conductor sizes increased for voltage drop.
   2. Coordinate with electrical equipment installed under other sections to provide terminations suitable for use with the conductors to be installed.
   3. Notify Architect of any conflicts with or deviations from the contract documents. Obtain direction before proceeding with work.

1.05 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's standard catalog pages and data sheets for conductors and cables, including detailed information on materials, construction, ratings, listings, and available sizes, configurations, and stranding.

C. Sustainable Design Documentation: Submit manufacturer's product data on conductor and cable showing compliance with specified lead content requirements.

D. Design Data: Indicate voltage drop and ampacity calculations for aluminum conductors substituted for copper conductors. Include proposed modifications to raceways, boxes, wiring gutters, enclosures, etc. to accommodate substituted conductors.

E. Field Quality Control Test Reports.

F. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.

G. Project Record Documents: Record actual installed circuiting arrangements. Record actual routingfor underground circuits.

H. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. See Section 016000 - Product Requirements, for additional provisions.
   2. Extra Manufactured Wiring Systems Cable Assemblies: One of each configuration, 6 feet length.

1.06 QUALITY ASSURANCE

A. Conform to requirements of NFPA 70.

B. Maintain at the project site a copy of each referenced document that prescribes execution requirements.

C. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

D. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Receive, inspect, handle, and store conductors and cables in accordance with manufacturer's instructions.

1.08 FIELD CONDITIONS

A. Do not install or otherwise handle thermoplastic-insulated conductors at temperatures lower than 14 degrees F, unless otherwise permitted by manufacturer's instructions. When installation below this temperature is unavoidable, notify Architect and obtain direction before proceeding with work.

PART 2 PRODUCTS

2.01 CONDUCTOR AND CABLE APPLICATIONS

A. Do not use conductors and cables for applications other than as permitted by NFPA 70 and product listing.

B. Provide single conductor building wire installed in suitable raceway unless otherwise indicated, permitted, or required.

C. Nonmetallic-sheathed cable is not permitted.

D. Metal-clad cable is not permitted.

2.02 CONDUCTOR AND CABLE GENERAL REQUIREMENTS

A. Provide products that comply with requirements of NFPA 70.

B. Provide products listed, classified, and labeled as suitable for the purpose intended.

C. Unless specifically indicated to be excluded, provide all required conduit, boxes, wiring, connectors, etc. as required for a complete operating system.

D. Comply with NEMA WC 70.

E. Thermoplastic-Insulated Conductors and Cables: Listed and labeled as complying with UL 83.

F. Thermoset-Insulated Conductors and Cables: Listed and labeled as complying with UL 44.

G. Conductor Material:
   1. Provide copper conductors only. Aluminum conductors are not acceptable for this project. Conductor sizes indicated are based on copper.
   2. Copper Conductors: Soft drawn annealed, 98 percent conductivity, uncoated copper conductors complying with ASTM B3, ASTM B8, or ASTM B787/B787M unless otherwise indicated.
   3. Tinned Copper Conductors: Comply with ASTM B33.

H. Minimum Conductor Size:12 AWG.
   1. Branch Circuits: 12 AWG.
      a. Exceptions:
         1) 20 A, 120 V circuits longer than 75 feet: 10 AWG, for voltage drop.
         2) 20 A, 120 V circuits longer than 150 feet: 8 AWG, for voltage drop.
         3) 20 A, 277 V circuits longer than 150 feet: 10 AWG, for voltage drop.
   2. Control Circuits: 14 AWG.

I. Where conductor size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified.

J. Conductor Color Coding:
   1. Color code conductors as indicated unless otherwise required by the authority having jurisdiction. Maintain consistent color coding throughout project.
   2. Color Coding Method: Integrally colored insulation.
      a. Conductors size 4 AWG and larger may have black insulation color coded using vinyl color coding electrical tape.
   3. Color Code:
      a. 480Y/277 V, 3 Phase, 4 Wire System:
         1) Phase A: Brown.
         2) Phase B: Orange.
         3) Phase C: Yellow.
         4) Neutral/Grounded: Gray.
      b. 208Y/120 V, 3 Phase, 4 Wire System:
         1) Phase A: Black.
         2) Phase B: Red.
         3) Phase C: Blue.
         4) Neutral/Grounded: White.
      c. Equipment Ground, All Systems: Green.
      d. Isolated Ground, All Systems: Green with yellow stripe.
      e. Travelers for 3-Way and 4-Way Switching: Pink.
      f. For modifications or additions to existing wiring systems, comply with existing color code when existing code complies with NFPA 70 and is approved by the authority having jurisdiction.

2.03 SINGLE CONDUCTOR BUILDING WIRE

A. Manufacturers:
   1. Copper Building Wire:
      a. Cerro Wire LLC: www.cerrowire.com.
      b. Encore Wire Corporation: www.encorewire.com/#sle.
      c. General Cable Technologies Corporation: www.generalcable.com/#sle.
      d. Southwire Company: www.southwire.com/#sle.
      e. Substitutions: See Section 016000 - Product Requirements.

B. Description: Single conductor insulated wire.

C. Conductor Stranding:
   1. Feeders and Branch Circuits:
      a. Size 10 AWG and Smaller: Solid.
      b. Size 8 AWG and Larger: Stranded.
   2. Control Circuits: Stranded.

D. Insulation Voltage Rating: 600 V.

E. Insulation:
   1. Copper Building Wire: Type THHN/THWN or THHN/THWN-2, except as indicated below.
      a. Size 4 AWG and Larger: Type XHHW-2.
      b. Installed Underground: Type XHHW-2.
      c. Fixture Wiring Within Luminaires: Type TFFN/TFN for luminaires with labeled maximum temperature of 90 degrees C; Approved suitable type for luminaires with labeled maximum temperature greater than 90 degrees C.

2.04 UNDERGROUND FEEDER AND BRANCH-CIRCUIT CABLE

A. Manufacturers:
   1. Cerro Wire LLC: www.cerrowire.com/#sle.
   2. Encore Wire Corporation: www.encorewire.com/#sle.
   3. Southwire Company: www.southwire.com/#sle.
   4. Substitutions: See Section 016000 - Product Requirements.

B. Description: NFPA 70, Type UF multiple-conductor cable listed and labeled as complying with UL 493, Type UF-B.

C. Provide equipment grounding conductor unless otherwise indicated.

D. Conductor Stranding:
   1. Size 10 AWG and Smaller: Solid.
   2. Size 8 AWG and Larger: Stranded.

E. Insulation Voltage Rating: 600 V.

F. Cable Jacket: Listed and labeled as sunlight resistant.

2.05 WIRING CONNECTORS

A. Description: Wiring connectors appropriate for the application, suitable for use with the conductors to be connected, and listed as complying with UL 486A-486B or UL 486C as applicable.

B. Connectors for Grounding and Bonding: Comply with Section 260526.

C. Wiring Connectors for Splices and Taps:
   1. Copper Conductors Size 8 AWG and Smaller: Use twist-on insulated spring connectors.
   2. Copper Conductors Size 6 AWG and Larger: Use mechanical connectors or compression connectors.

D. Wiring Connectors for Terminations:

1. Provide terminal lugs for connecting conductors to equipment furnished with terminations designed for terminal lugs.
2. Provide compression adapters for connecting conductors to equipment furnished with mechanical lugs when only compression connectors are specified.
3. Where over-sized conductors are larger than the equipment terminations can accommodate, provide connectors suitable for reducing to appropriate size, but not less than required for the rating of the overcurrent protective device.
4. Provide motor pigtail connectors for connecting motor leads in order to facilitate disconnection.
5. Copper Conductors Size 8 AWG and Larger: Use mechanical connectors or compression connectors where connectors are required.
6. Stranded Conductors Size 10 AWG and Smaller: Use crimped terminals for connections to terminal screws.
7. Conductors for Control Circuits: Use crimped terminals for all connections.

E. Do not use insulation-piercing or insulation-displacement connectors designed for use with conductors without stripping insulation.

F. Do not use push-in wire connectors as a substitute for twist-on insulated spring connectors.

G. Twist-on Insulated Spring Connectors: Rated 600 V, 221 degrees F for standard applications and 302 degrees F for high temperature applications; pre-filled with sealant and listed as complying with UL 486D for damp and wet locations.
   1. Manufacturers:
      a. 3M: www.3m.com/#sle.
      b. Ideal Industries, Inc: www.idealindustries.com/#sle.
      c. NSI Industries LLC: www.nsiindustries.com/#sle.
      d. Substitutions: See Section 016000 - Product Requirements.

H. Mechanical Connectors: Provide bolted type or set-screw type.
   1. Manufacturers:
   2.
      a. Burndy LLC: www.burndy.com/#sle.
      b. Bundy, LLC
      c. Ilsco: www.ilsco.com/#sle.
      d. Thomas & Betts Corporation: www.tnb.com/#sle.
      e. Substitutions: See Section 016000 - Product Requirements.

I. Compression Connectors: Provide circumferential type or hex type crimp configuration.
   1. Manufacturers:
      a. Burndy LLC: www.burndy.com/#sle.
      b. Thomas & Betts Corporation: www.tnb.com/#sle.
      c. Substitutions: See Section 016000 - Product Requirements.

J. Crimped Terminals: Nylon-insulated, with insulation grip and terminal configuration suitable for connection to be made.
   1. Manufacturers:
      a. Burndy LLC: www.burndy.com/#sle.
      b. Ilsco: www.ilsco.com/#sle.
      c. Thomas & Betts Corporation: www.tnb.com/#sle.
      d. Substitutions: See Section 016000 - Product Requirements.

2.06 WIRING ACCESSORIES

A. Electrical Tape:

1. Manufacturers:
   a. 3M: www.3m.com/#sle.
   b. Plymouth Rubber Europa: www.plymouthrubber.com/#sle.
2. Vinyl Color Coding Electrical Tape: Integrally colored to match color code indicated; listed as complying with UL 510; minimum thickness of 7 mil; resistant to abrasion, corrosion, and sunlight; suitable for continuous temperature environment up to 221 degrees F.
3. Vinyl Insulating Electrical Tape: Complying with ASTM D3005 and listed as complying with UL 510; minimum thickness of 7 mil; resistant to abrasion, corrosion, and sunlight; conformable for application down to 0 degrees F and suitable for continuous temperature environment up to 221 degrees F.
4. Rubber Splicing Electrical Tape: Ethylene Propylene Rubber (EPR) tape, complying with ASTM D4388; minimum thickness of 30 mil; suitable for continuous temperature environment up to 194 degrees F and short-term 266 degrees F overload service.
5. Electrical Filler Tape: Rubber-based insulating moldable putty, minimum thickness of 125 mil; suitable for continuous temperature environment up to 176 degrees F.
6. Varnished Cambric Electrical Tape: Cotton cambric fabric tape, with or without adhesive, oil-primed and coated with high-grade insulating varnish; minimum thickness of 7 mil; suitable for continuous temperature environment up to 221 degrees F.
7. Moisture Sealing Electrical Tape: Insulating mastic compound laminated to flexible, all-weather vinyl backing; minimum thickness of 90 mil.

B. Heat Shrink Tubing: Heavy-wall, split-resistant, with factory-applied adhesive; rated 600 V; suitable for direct burial applications; listed as complying with UL 486D.
   1. Manufacturers:
      a. 3M: www.3m.com/#sle.
      b. Burndy LLC: www.burndy.com/#sle.
      c. Thomas & Betts Corporation: www.tnb.com/#sle.
      d. Substitutions: See Section 016000 - Product Requirements.

C. Oxide Inhibiting Compound: Listed; suitable for use with the conductors or cables to be installed.
   1. Manufacturers:
      a. Burndy LLC: www.burndy.com/#sle.
      b. Ideal Industries, Inc: www.idealindustries.com/#sle.
      c. Ilsco: www.ilsco.com/#sle.
      d. Substitutions: See Section 016000 - Product Requirements.

D. Wire Pulling Lubricant: Listed; suitable for use with the conductors or cables to be installed and suitable for use at the installation temperature.
   1. Manufacturers:
      a. 3M: www.3m.com/#sle.
      b. American Polywater Corporation: www.polywater.com/#sle.
      c. Ideal Industries, Inc: www.idealindustries.com/#sle.
      d. Substitutions: See Section 016000 - Product Requirements.

E. Cable Ties: Material and tensile strength rating suitable for application.
   1. Manufacturers:
      a. Burndy LLC: www.burndy.com/#sle.
      b. Substitutions: See Section 016000 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that interior of building has been protected from weather.

B. Verify that work likely to damage wire and cable has been completed.

C. Verify that raceways, boxes, and equipment enclosures are installed and are properly sized to accommodate conductors and cables in accordance with NFPA 70.

D. Verify that field measurements are as indicated.

E. Verify that conditions are satisfactory for installation prior to starting work.

3.02 PREPARATION

A. Clean raceways thoroughly to remove foreign materials before installing conductors and cables.

3.03 INSTALLATION

A. Circuiting Requirements:
   1. Unless dimensioned, circuit routing indicated is diagrammatic.
   2. When circuit destination is indicated without specific routing, determine exact routing required.
   3. Arrange circuiting to minimize splices.
   4. Include circuit lengths required to install connected devices within 10 ft of location indicated.
   5. Maintain separation of Class 1, Class 2, and Class 3 remote-control, signaling, and power-limited circuits in accordance with NFPA 70.
   6. Maintain separation of wiring for emergency systems in accordance with NFPA 70.
   7. Circuiting Adjustments: Unless otherwise indicated, when branch circuits are indicated as separate, combining them together in a single raceway is not permitted.
   8. Common Neutrals: Unless otherwise indicated, sharing of neutral/grounded conductors among up to three single phase branch circuits of different phases installed in the same raceway is not permitted. Provide dedicated neutral/grounded conductor for each individual branch circuit.
   9. Provide oversized neutral/grounded conductors where indicated and as specified below.
      a. Provide 200 percent rated neutral for feeders fed from K-rated transformers.
      b. Provide 200 percent rated neutral for feeders serving panelboards with 200 percent rated neutral bus.

B. Install products in accordance with manufacturer's instructions.

C. Perform work in accordance with NECA 1 (general workmanship).

D. Install underground feeder and branch-circuit cable (Type UF-B) in accordance with NECA 121.

E. Install armored cable (Type AC) in accordance with NECA 120.

F. Installation in Raceway:
   1. Tape ends of conductors and cables to prevent infiltration of moisture and other contaminants.
   2. Pull all conductors and cables together into raceway at same time.
   3. Do not damage conductors and cables or exceed manufacturer's recommended maximum pulling tension and sidewall pressure.
   4. Use suitable wire pulling lubricant where necessary, except when lubricant is not recommended by the manufacturer.

G. Paralleled Conductors: Install conductors of the same length and terminate in the same manner.

H. Secure and support conductors and cables in accordance with NFPA 70 using suitable supports and methods approved by the authority having jurisdiction. Provide independent support from building structure. Do not provide support from raceways, piping, ductwork, or other systems.

I. Terminate cables using suitable fittings.

J. Install conductors with a minimum of 12 inches of slack at each outlet.

K. Where conductors are installed in enclosures for future termination by others, provide a minimum of 5 feet of slack.

L. Neatly train and bundle conductors inside boxes, wireways, panelboards and other equipment enclosures.

M. Group or otherwise identify neutral/grounded conductors with associated ungrounded conductors inside enclosures in accordance with NFPA 70.

N. Make wiring connections using specified wiring connectors.
   1. Make splices and taps only in accessible boxes. Do not pull splices into raceways or make splices in conduit bodies or wiring gutters.
   2. Remove appropriate amount of conductor insulation for making connections without cutting, nicking or damaging conductors.
   3. Do not remove conductor strands to facilitate insertion into connector.
   4. Clean contact surfaces on conductors and connectors to suitable remove corrosion, oxides, and other contaminates. Do not use wire brush on plated connector surfaces.
   5. Mechanical Connectors: Secure connections according to manufacturer's recommended torque settings.
   6. Compression Connectors: Secure connections using manufacturer's recommended tools and dies.

O. Insulate splices and taps that are made with uninsulated connectors using methods suitable for the application, with insulation and mechanical strength at least equivalent to unspliced conductors.

P. Insulate ends of spare conductors using vinyl insulating electrical tape.

Q. Field-Applied Color Coding: Where vinyl color coding electrical tape is used in lieu of integrally colored insulation as permitted in Part 2 under "Color Coding", apply half overlapping turns of tape at each termination and at each location conductors are accessible.

R. Install firestopping to preserve fire resistance rating of partitions and other elements, using materials and methods specified in Section 078400.

S. Unless specifically indicated to be excluded, provide final connections to all equipment and devices, including those furnished by others, as required for a complete operating system.

3.04 FIELD QUALITY CONTROL

A. See Section 014000 - Quality Requirements, for additional requirements.

B. Inspect and test in accordance with NETA ATS, except Section 4.

C. Perform inspections and tests listed in NETA ATS, Section 7.3.2. The insulation resistance test is required for all conductors. The resistance test for parallel conductors listed as optional is not required.
   1. Disconnect surge protective devices (SPDs) prior to performing any high potential testing. Replace SPDs damaged by performing high potential testing with SPDs connected.

D. Correct deficiencies and replace damaged or defective conductors and cables.

END OF SECTION 260519

SECTION 260583
WIRING CONNECTIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Electrical connections to equipment.

1.02 RELATED REQUIREMENTS

A. Section 260519 - Low-Voltage Electrical Power Conductors and Cables.
B. Section 260533.13 - Conduit for Electrical Systems.
C. Section 260533.16 - Boxes for Electrical Systems.
D. Section 262726 - Wiring Devices.
E. Section 262816.16 - Enclosed Switches.

1.03 REFERENCE STANDARDS

A. NEMA WD 1 - General Color Requirements for Wiring Devices; 1999 (Reaffirmed 2020).
B. NEMA WD 6 - Wiring Devices - Dimensional Specifications; 2021.
C. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordination:
   1. Obtain and review shop drawings, product data, manufacturer's wiring diagrams, and manufacturer's instructions for equipment furnished under other sections.
   2. Determine connection locations and requirements.
B. Sequencing:
   1. Install rough-in of electrical connections before installation of equipment is required.
   2. Make electrical connections before required start-up of equipment.

1.05 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.
B. Product Data: Provide wiring device manufacturer’s catalog information showing dimensions, configurations, and construction.

1.06 QUALITY ASSURANCE

A. Conform to requirements of NFPA 70.
B. Products: Listed, classified, and labeled as suitable for the purpose intended.
C. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.

PART 2 PRODUCTS

2.01 MATERIALS

A. Cords and Caps: NEMA WD 6; match receptacle configuration at outlet provided for equipment.
   1. Colors: Conform to NEMA WD 1.
   2. Cord Construction: NFPA 70, Type SO, multiconductor flexible cord with identified equipment grounding conductor, suitable for use in damp locations.
   3. Size: Suitable for connected load of equipment, length of cord, and rating of branch circuit overcurrent protection.

B. Disconnect Switches: As specified in Section 262816.16 and in individual equipment sections.

C. Wiring Devices: As specified in Section 262726.

D. Flexible Conduit: As specified in Section 260533.13.

E. Wire and Cable: As specified in Section 260519.

F. Boxes: As specified in Section 260533.16.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that equipment is ready for electrical connection, wiring, and energization.

3.02 ELECTRICAL CONNECTIONS

A. Make electrical connections in accordance with equipment manufacturer's instructions.

B. Make conduit connections to equipment using flexible conduit. Use liquidtight flexible conduit with watertight connectors in damp or wet locations.

C. Connect heat producing equipment using wire and cable with insulation suitable for temperatures encountered.

D. Provide receptacle outlet to accommodate connection with attachment plug.

E. Provide cord and cap where field-supplied attachment plug is required.

F. Install suitable strain-relief clamps and fittings for cord connections at outlet boxes and equipment connection boxes.

G. Install disconnect switches, controllers, control stations, and control devices to complete equipment wiring requirements.

H. Install terminal block jumpers to complete equipment wiring requirements.

I. Install interconnecting conduit and wiring between devices and equipment to complete equipment wiring requirements.

END OF SECTION 260583

SECTION 262726
WIRING DEVICES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Receptacles.

1.02 RELATED REQUIREMENTS

A. Section 260519 - Low-Voltage Electrical Power Conductors and Cables: Manufactured wiring systems for use with access floor boxes with compatible pre-wired connectors.

B. Section 260526 - Grounding and Bonding for Electrical Systems.

C. Section 260533.16 - Boxes for Electrical Systems.

D. Section 260553 - Identification for Electrical Systems: Identification products and requirements.

E. Section 260583 - Wiring Connections: Cords and plugs for equipment.

F. Section 271000 - Structured Cabling: Voice and data jacks.

1.03 REFERENCE STANDARDS

A. FS W-C-596 - Connector, Electrical, Power, General Specification for; 2014h (Validated 2022).

B. FS W-S-896 - Switches, Toggle (Toggle and Lock), Flush Mounted (General Specification); 2017g (Validated 2023).

C. NECA 1 - Standard for Good Workmanship in Electrical Construction; 2023.

D. NECA 130 - Standard for Installing and Maintaining Wiring Devices; 2016.

E. NEMA WD 1 - General Color Requirements for Wiring Devices; 1999 (Reaffirmed 2020).

F. NEMA WD 6 - Wiring Devices - Dimensional Specifications; 2021.

G. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

H. UL 20 - General-Use Snap Switches; Current Edition, Including All Revisions.

I. UL 498 - Attachment Plugs and Receptacles; Current Edition, Including All Revisions.

J. UL 514D - Cover Plates for Flush-Mounted Wiring Devices; Current Edition, Including All Revisions.

K. UL 943 - Ground-Fault Circuit-Interrupters; Current Edition, Including All Revisions.

L. UL 1449 - Standard for Surge Protective Devices; Current Edition, Including All Revisions.

M. UL 1472 - Solid-State Dimming Controls; Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordination:
   1. Coordinate the placement of outlet boxes with millwork, furniture, equipment, etc. installed under other sections or by others.
   2. Coordinate wiring device ratings and configurations with the electrical requirements of actual equipment to be installed.
   3. Coordinate the placement of outlet boxes for wall switches with actual installed door swings.

4. Coordinate the installation and preparation of uneven surfaces, such as split face block, to provide suitable surface for installation of wiring devices.
5. Coordinate the core drilling of holes for poke-through assemblies with the work covered under other sections.
6. Notify Architect of any conflicts or deviations from the contract documents to obtain direction prior to proceeding with work.

B. Sequencing:
1. Do not install wiring devices until final surface finishes and painting are complete.

1.05 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's catalog information showing dimensions, colors, and configurations.
1. Wall Dimmers: Include derating information for ganged multiple devices.
2. Surge Protection Receptacles: Include surge current rating, voltage protection rating (VPR) for each protection mode, and diagnostics information.

C. Samples: One for each type and color of device and wall plate specified.

D. Certificates for Surge Protection Receptacles: Manufacturer's documentation of listing for compliance with UL 1449.

E. Field Quality Control Test Reports.

F. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.

G. Operation and Maintenance Data:
1. GFCI Receptacles: Include information on status indicators.

H. Project Record Documents: Record actual installed locations of wiring devices.

I. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
1. See Section 016000 - Product Requirements, for additional provisions.
2. Screwdrivers for Tamper-Resistant Screws: Two for each type of screw.
3. Extra Keys for Locking Switches: Two of each type.
4. Extra Surge Protection Receptacles: Two of each type.
5. Extra Wall Plates: One of each style, size, and finish.
6. Extra Flush Floor Service Fittings: Two of each type.
7. Extra Poke-Through Core Hole Closure Plugs: Two for each core size.

1.06 QUALITY ASSURANCE

A. Conform to requirements of NFPA 70.

B. Maintain at the project site a copy of each referenced document that prescribes execution requirements.

C. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

D. Products: Listed, classified, and labeled as suitable for the purpose intended.

E. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.

1.07 DELIVERY, STORAGE, AND PROTECTION

A. Store in a clean, dry space in original manufacturer's packaging until ready for installation.

PART 2 PRODUCTS

2.01 WIRING DEVICE APPLICATIONS

A. Provide wiring devices suitable for intended use and with ratings adequate for load served.

B. For single receptacles installed on an individual branch circuit, provide receptacle with ampere rating not less than that of the branch circuit.

C. Provide weather resistant GFCI receptacles with specified weatherproof covers for receptacles installed outdoors or in damp or wet locations.

D. Unless noted otherwise, do not use combination switch/receptacle devices.

2.02 WIRING DEVICE FINISHES

A. Provide wiring device finishes as described below unless otherwise indicated.

B. Wiring Devices Installed in Wet or Damp Locations: White with specified weatherproof cover.

2.03 RECEPTACLES

A. Manufacturers:
   1. Hubbell Incorporated: www.hubbell.com/#sle.
   2. Leviton Manufacturing Company, Inc; _____: www.leviton.com/#sle.
   3. Lutron Electronics Company, Inc; Designer Style: www.lutron.com/#sle.
   4. Pass & Seymour, a brand of Legrand North America, Inc; _____: www.legrand.us/#sle.
   5. Substitutions: See Section 016000 - Product Requirements.
   6. Source Limitations: Where wall controls are furnished as part of lighting control system, provide accessory matching receptacles and wallplates by the same manufacturer in locations indicated.

B. Receptacles - General Requirements: Self-grounding, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 498, and where applicable, FS W-C-596; types as indicated on the drawings.
   1. Wiring Provisions: Terminal screws for side wiring or screw actuated binding clamp for back wiring with separate ground terminal screw.
   2. NEMA configurations specified are according to NEMA WD 6.

C. GFCI Receptacles:
   1. GFCI Receptacles - General Requirements: Self-testing, with feed-through protection and light to indicate ground fault tripped condition and loss of protection; listed as complying with UL 943, class A.
   2. Standard GFCI Receptacles: Industrial specification grade, duplex, 20A, 125V, NEMA 5-20R, rectangular decorator style.
   3. Weather Resistant GFCI Receptacles: Industrial specification grade, duplex, 20A, 125V, NEMA 5-20R, rectangular decorator style, listed and labeled as weather resistant type complying with UL 498 Supplement SE suitable for installation in damp or wet locations.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field measurements are as indicated.

B. Verify that outlet boxes are installed in proper locations and at proper mounting heights and are properly sized to accommodate devices and conductors in accordance with NFPA 70.

C. Verify that wall openings are neatly cut and will be completely covered by wall plates.

D. Verify that final surface finishes are complete, including painting.

E. Verify that floor boxes are adjusted properly.

F. Verify that branch circuit wiring installation is completed, tested, and ready for connection to wiring devices.

G. Verify that core drilled holes for poke-through assemblies are in proper locations.

H. Verify that openings in access floor are in proper locations.

I. Verify that conditions are satisfactory for installation prior to starting work.

3.02 PREPARATION

A. Provide extension rings to bring outlet boxes flush with finished surface.

B. Clean dirt, debris, plaster, and other foreign materials from outlet boxes.

3.03 INSTALLATION

A. Perform work in accordance with NECA 1 (general workmanship) and, where applicable, NECA 130, including mounting heights specified in those standards unless otherwise indicated.

B. Coordinate locations of outlet boxes provided under Section 260533.16 as required for installation of wiring devices provided under this section.
   1. Mounting Heights: Unless otherwise indicated, as follows:
      a. Receptacles: 18 inches above finished floor or 6 inches above counter.
   2. Orient outlet boxes for vertical installation of wiring devices unless otherwise indicated.
   3. Where multiple receptacles, wall switches, or wall dimmers are installed at the same location and at the same mounting height, gang devices together under a common wall plate.

C. Install wiring devices in accordance with manufacturer's instructions.

D. Install permanent barrier between ganged wiring devices when voltage between adjacent devices exceeds 300 V.

E. Where required, connect wiring devices using pigtails not less than 6 inches long. Do not connect more than one conductor to wiring device terminals.

F. Connect wiring devices by wrapping conductor clockwise 3/4 turn around screw terminal and tightening to proper torque specified by the manufacturer. Where present, do not use push-in pressure terminals that do not rely on screw-actuated binding.

G. Unless otherwise indicated, connect wiring device grounding terminal to branch circuit equipment grounding conductor and to outlet box with bonding jumper.

H. Provide GFCI receptacles with integral GFCI protection at each location indicated. Do not use feed-through wiring to protect downstream devices.

I. Install wiring devices plumb and level with mounting yoke held rigidly in place.

J. Install wall switches with OFF position down.

K. Install vertically mounted receptacles with grounding pole on top and horizontally mounted receptacles with grounding pole on left.

L. Install blank wall plates on junction boxes and on outlet boxes with no wiring devices installed or designated for future use.

M. Identify wiring devices in accordance with Section 260553.

3.04 FIELD QUALITY CONTROL

A. See Section 014000 - Quality Requirements, for additional requirements.

B. Inspect each wiring device for damage and defects.

C. Operate each wall switch, wall dimmer, and fan speed controller with circuit energized to verify proper operation.

D. Test each receptacle to verify operation and proper polarity.

E. Test each GFCI receptacle for proper tripping operation according to manufacturer's instructions.

F. Inspect each surge protection receptacle to verify surge protection is active.

G. Correct wiring deficiencies and replace damaged or defective wiring devices.

3.05 ADJUSTING

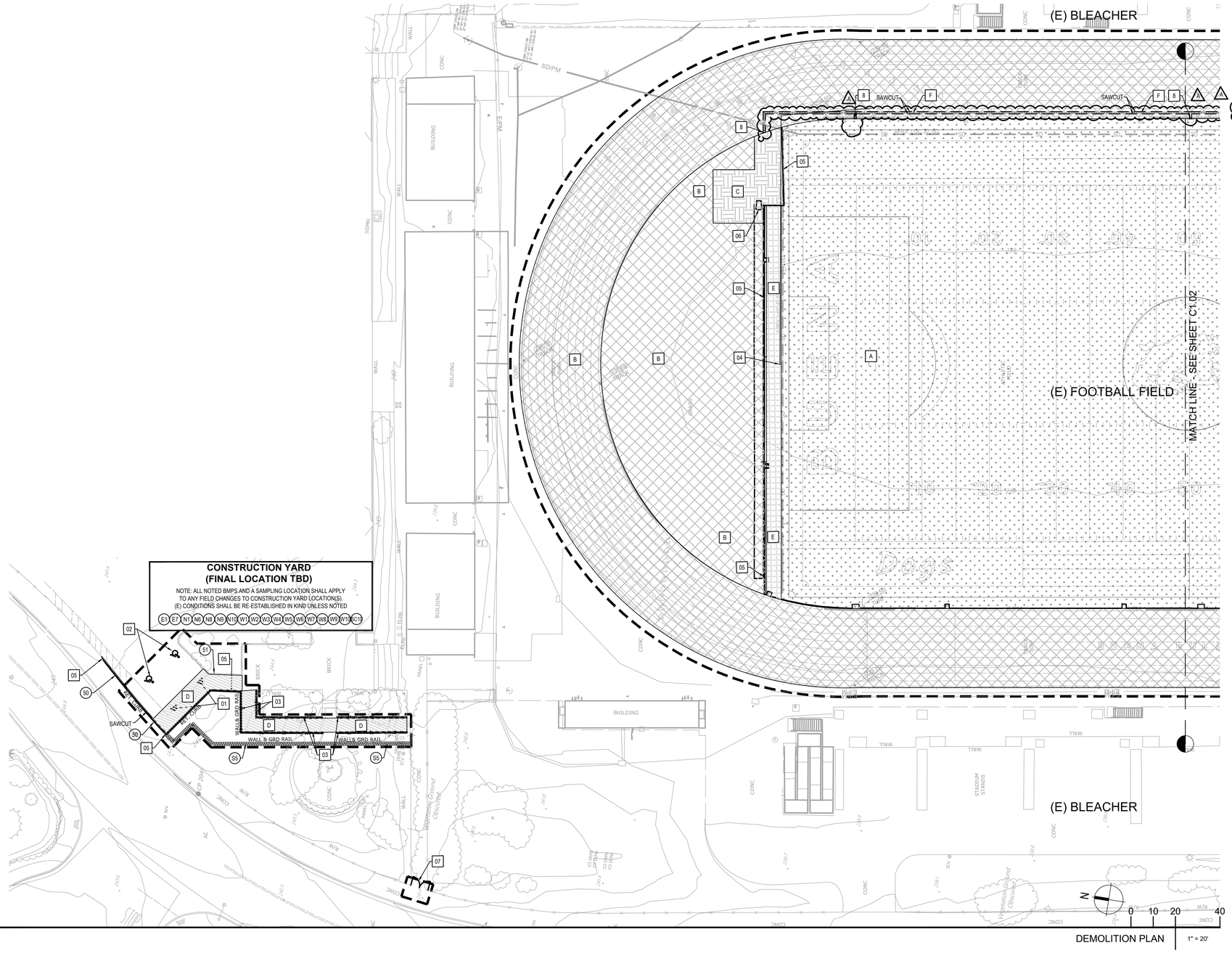
A. Adjust devices and wall plates to be flush and level.

B. Adjust presets for wall dimmers according to manufacturer's instructions as directed by Architect.

3.06 CLEANING

A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

END OF SECTION 262726



DEMOLITION PLAN 1" = 20'

DEMOLITION LEGEND

LABEL	DESCRIPTION
A	REMOVE (E) SYNTHETIC TURF. PROTECT (E) PERMEABLE BASE, AND SUBGRADE. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
B	REMOVE AND REPLACE (E) RUBBERIZED TRACK SURFACING. PROTECT (E) AC UNDER TRACK AND BASE. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
C	REMOVE AND REPLACE (E) RUBBERIZED TRACK SURFACING, AC, AND BASE. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
D	REMOVE (E) CONCRETE PAVEMENT/SIDEWALK/CURBS.
E	REMOVE (E) PERMEABLE BASE, SUBGRADE, AND SYNTHETIC TURF. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
F	REMOVE (E) PAVEMENT AND PATCH IN PLACE.
	APPROXIMATE LIMIT OF WORK LINE.

DEMOLITION KEYNOTES

KEY NOTE	DESCRIPTION
01	REMOVE (E) SIGNS AND FOOTINGS.
02	REMOVE (E) PARKING STALL STRIPING
03	REMOVE (E) RETAINING WALL, GUARD RAIL, AND FOOTING.
04	REMOVE (E) GOAL POST AND FOOTING.
05	REMOVE (E) CURB.
06	REMOVE (E) TRACK MISC.
07	REMOVE (E) GATE AND FOOTINGS.
08	REMOVE (E) CONC AND REPLACE.

PROTECTION KEYNOTES

KEY NOTE	DESCRIPTION
50	PROTECT (E) FENCE
51	PROTECT (E) CURB

EROSION CONTROL NOTES

-SEE SHEET C0.01 FOR EROSION AND SEDIMENT CONTROL NOTES.

-SEE SHEET C0.01 FOR BMP MAINTENANCE NOTES.

-ALL BMPS PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA)(UNLESS NOTED OTHERWISE) AND ARE AVAILABLE AT www.casqa.org.

-BMPS "NOT" CALLED OUT PER PLAN, ARE SHOWN FOR REFERENCE AS BMP OPTIONS PER QSP (QUALIFIED SWPPP PRACTITIONER) FIELD RECOMMENDATIONS.

-AT THE COMPLETION OF PROJECT, CONTRACTOR SHALL REMOVE ALL CONSTRUCTION BMPS FROM SITE AND DISPOSE IN A LEGAL MANNER.

LEGEND

SYMBOL	DESCRIPTION
	GRAVEL BAGS AND/OR SANDBAGS PER BMP KEYNOTES
	FIBER ROLL
	APPROXIMATE LIMIT OF GRADING

EROSION CONTROL BMPs:

KEY NOTE	DESCRIPTION
E1	EC-1, SCHEDULING
E7	EC-7, GEOTEXTILES AND MATS

SEDIMENT CONTROL BMPs:

SS	SE-5, FIBER ROLLS

TRACKING CONTROL BMPs:

T1	TC-1, STABILIZED CONSTRUCTION ENTRANCE/EXIT
T2	TC-2, STABILIZED CONSTRUCTION ROADWAY
T3	TC-3, ENTRANCE/OUTLET TIRE WASH

NON-STORMWATER MANAGEMENT CONTROL BMPs:

N1	NS-1, WATER CONSERVATION PRACTICES
N6	NS-6, ILLICIT CONNECTION/DISCHARGE
N7	NS-7, POTABLE WATER/IRRIGATION
N8	NS-8, VEHICLE AND EQUIPMENT CLEANING
N9	NS-9, VEHICLE AND EQUIPMENT FUELING
N10	NS-10, VEHICLE AND EQUIPMENT MAINTENANCE
SC1	SC-10, NON-STORMWATER DISCHARGES

WIND EROSION CONTROL BMPs:

WE	WE-1, WIND EROSION CONTROL

WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs:

W1	WM-1, MATERIAL DELIVERY AND STORAGE
W2	WM-2, MATERIAL USE
W3	WM-3, STOCKPILE MANAGEMENT
W4	WM-4, SPILL PREVENTION AND CONTROL
W5	WM-5, SOLID WASTE MANAGEMENT
W6	WM-6, HAZARDOUS WASTE MANAGEMENT
W7	WM-7, CONTAMINATED SOIL MANAGEMENT
W8	WM-8, CONCRETE WASTE MANAGEMENT
W9	WM-9, SANITARY/SEPTIC WASTE MANAGEMENT
W10	WM-10, LIQUID WASTE MANAGEMENT

STORM WATER STORAGE OR CONTAINMENT

W#	STORMWATER STORAGE (E.G. BIORETENTION) OR CONTAINMENT (E.G. CISTERN)

DISCHARGE LOCATIONS

D#	DISCHARGE LOCATION

SAMPLING LOCATIONS

B#	POLLUTANT SAMPLE LOCATION - BACKGROUND SAMPLE
C#	POLLUTANT SAMPLE LOCATION - CONTRACTORS YARD
S#	POLLUTANT SAMPLE LOCATION - SITE
R#	POLLUTANT SAMPLE LOCATION - RUN-ON

NOTE:
THE SAMPLE LOCATIONS SHOWN ARE THE MINIMUM REQUIREMENT FOR THE PROJECT SITE AND RISK LEVEL X. SAMPLE LOCATIONS MAY BE RELOCATED IF FIELD CONDITIONS WILL NOT ALLOW FOR SATISFACTORY SAMPLING. ANY ADJUSTMENTS TO SAMPLING LOCATIONS MUST MEET THE INTENDED PURPOSE ORIGINALLY DESIGNATED FOR THAT LOCATION AND MUST BE DOCUMENTED WITH A SWPPP AMENDMENT FORM.

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ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

REGISTERED PROFESSIONAL ENGINEER
KATHLEEN M. [illegible]
R.C.E. 68369
EXP. 9-30-25
CIVIL
STATE OF CALIFORNIA

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TRACK AND FIELD REPLACEMENT

5670 TELEGRAPH ROAD
VENTURA, CA 93003

Developed for
VENTURA UNIFIED SCHOOL DISTRICT

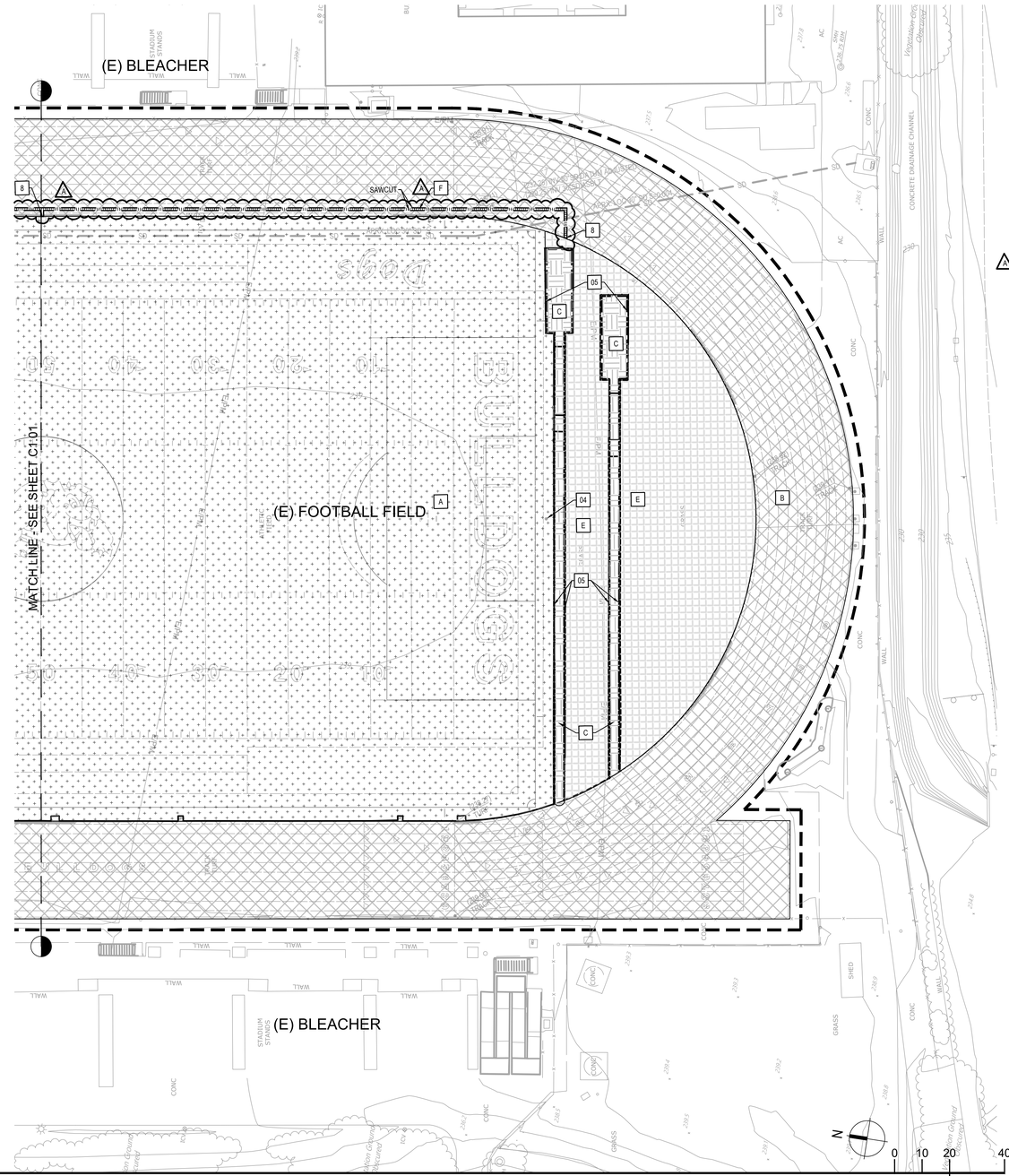
Revision	Date
BID ADDENDUM A	11/14/2025

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Job Number	32210
Checked By	MM | CA
Scale	AS SHOWN

DEMOLITION & EROSION CONTROL PLAN

C1.01



DEMOLITION PLAN 1" = 20'

DEMOLITION LEGEND

LABEL	DESCRIPTION
A	REMOVE (E) SYNTHETIC TURF. PROTECT (E) PERMEABLE BASE, AND SUBGRADE. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
B	REMOVE AND REPLACE (E) RUBBERIZED TRACK SURFACING. PROTECT (E) AC UNDER TRACK AND BASE. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
C	REMOVE AND REPLACE (E) RUBBERIZED TRACK SURFACING, AC, AND BASE. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
D	REMOVE (E) CONCRETE PAVEMENT/SIDEWALK/CURBS.
E	REMOVE (E) PERMEABLE BASE, SUBGRADE, AND SYNTHETIC TURF. SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
A, F	REMOVE (E) PAVEMENT AND PATCH IN PLACE.
	APPROXIMATE LIMIT OF WORK LINE.

DEMOLITION KEYNOTES

KEY NOTE	DESCRIPTION
01	REMOVE (E) SIGNS AND FOOTINGS.
02	REMOVE (E) PARKING STALL STRIPING
03	REMOVE (E) RETAINING WALL, GUARD RAIL, AND FOOTING.
04	REMOVE (E) GOAL POST AND FOOTING.
05	REMOVE (E) CURB.
06	REMOVE (E) TRACK MISC.
07	REMOVE (E) GATE AND FOOTINGS.
08	REMOVE (E) CONC AND REPLACE.

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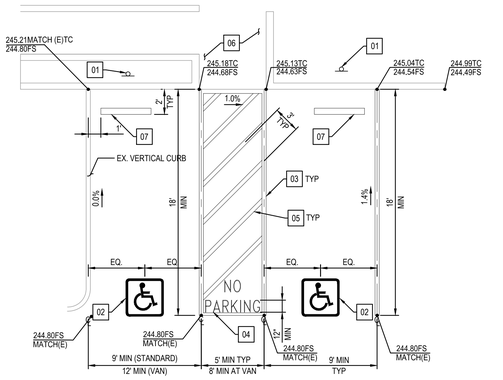
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DEMOLITION PLAN

C1.02



01 ACCESSIBLE PARKING SIGN. CENTERED ON PARKING STALL. SEE DETAIL 16 THIS SHEET.

02 INTERNATIONAL SYMBOL OF ACCESSIBILITY EMBLEM. CENTERED AT END OF PARKING STALL. SEE DETAIL 12 THIS SHEET.

03 LOADING AND UNLOADING ZONE. ACCESS AISLE BORDER PAINTED BLUE (COLOR NO. 15090 PER FEDERAL STD. NO. 595C) STRIPING, 4" WIDE

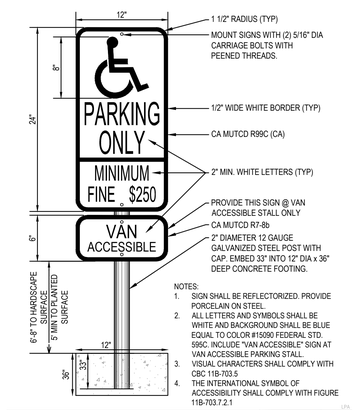
04 WITHIN THE ACCESSIBLE LOADING AISLE PAINT THE WORDS "NO PARKING" IN 12" HIGH LETTERS, WHITE PAINT

05 ACCESS AISLE MARKED WITH 4" WIDE WHITE HATCHED LINES.

06 RAMP/SIDEWALK PER LANDSCAPING.

07 PRE-CAST CONCRETE WHEEL STOP. SEE DETAIL 03 THIS SHEET.

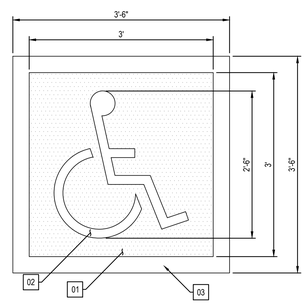
ACCESSIBLE PARKING STALLS - PERPENDICULAR | NTS | 20



1 1/2" RADIUS (TYP)
MOUNT SIGNS WITH (2) 5/16" DIA CARRIAGE BOLTS WITH PEENED THREADS.
1/2" WIDE WHITE BORDER (TYP)
CA MUTCD R99C (CA)
2" MIN. WHITE LETTERS (TYP)
PROVIDE THIS SIGN @ VAN ACCESSIBLE STALL ONLY
CA MUTCD R7-8b
2" DIAMETER 12 GAUGE GALVANIZED STEEL POST WITH CAP. EMBED 33" INTO 12" DIA x 36" DEEP CONCRETE FOOTING.

NOTES:
1. SIGN SHALL BE REFLECTORIZED. PROVIDE PORCELAIN ON STEEL.
2. ALL LETTERS AND SYMBOLS SHALL BE WHITE AND BACKGROUND SHALL BE BLUE EQUAL TO COLOR #15090 FEDERAL STD. 595C. INCLUDE "VAN ACCESSIBLE" SIGN AT VAN ACCESSIBLE PARKING STALL.
3. VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5
4. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1

ACCESSIBLE PARKING SIGN | NTS | 16



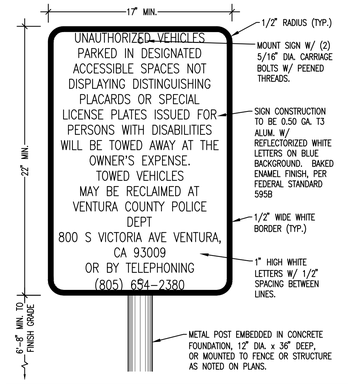
01 BLUE BACKGROUND CONFORMING TO FEDERAL STANDARD 595C COLOR FS 15090

02 2" WIDE WHITE REFLECTORIZED PAINT STRIPING. PER CBC FIGURE 11B-703.7.2.1

03 WHITE REFLECTORIZED PAINT STRIPING

NOTES:
A. STENCIL ONE SYMBOL ONTO PARKING SURFACE IN EACH ACCESSIBLE STALL.
B. LOCATE PER ACCESSIBLE PARKING STALL DETAIL.
C. ALL LINES WHITE ON BLUE BACKGROUND.

INTERNATIONAL SYMBOL OF ACCESSIBILITY | NTS | 12



1/2" RADIUS (TYP.)
MOUNT SIGN W/ (2) 5/16" DIA. CARRIAGE BOLTS W/ PEENED THREADS.
SIGN CONSTRUCTION TO BE 0.50 GA. T3 ALUM. W/ REFLECTORIZED WHITE LETTERS ON BLUE BACKGROUND. BAKED ENAMEL FINISH, PER FEDERAL STANDARD 595B
1/2" WIDE WHITE BORDER (TYP.)
1" HIGH WHITE LETTERS W/ 1/2" SPACING BETWEEN LINES.
METAL POST EMBEDDED IN CONCRETE FOUNDATION, 12" DIA. x 36" DEEP, OR MOUNTED TO FENCE OR STRUCTURE AS NOTED ON PLANS.

UNAUTHORIZED VEHICLE SIGN | NTS | 08

GRADING LEGEND

APPROXIMATE LIMIT OF WORK LINE.

PAVING LEGEND

SYMBOL	DESCRIPTION
30	AC TRACK PAVEMENT ASPHALT PAVING 4" THICK @ TRACK. COMPRISED OF A TWO LIFT SYSTEM (2.5" BASE LIFT, TACK COAT, AND 1.5" TOPPING LIFT).

PAVING NOTES:

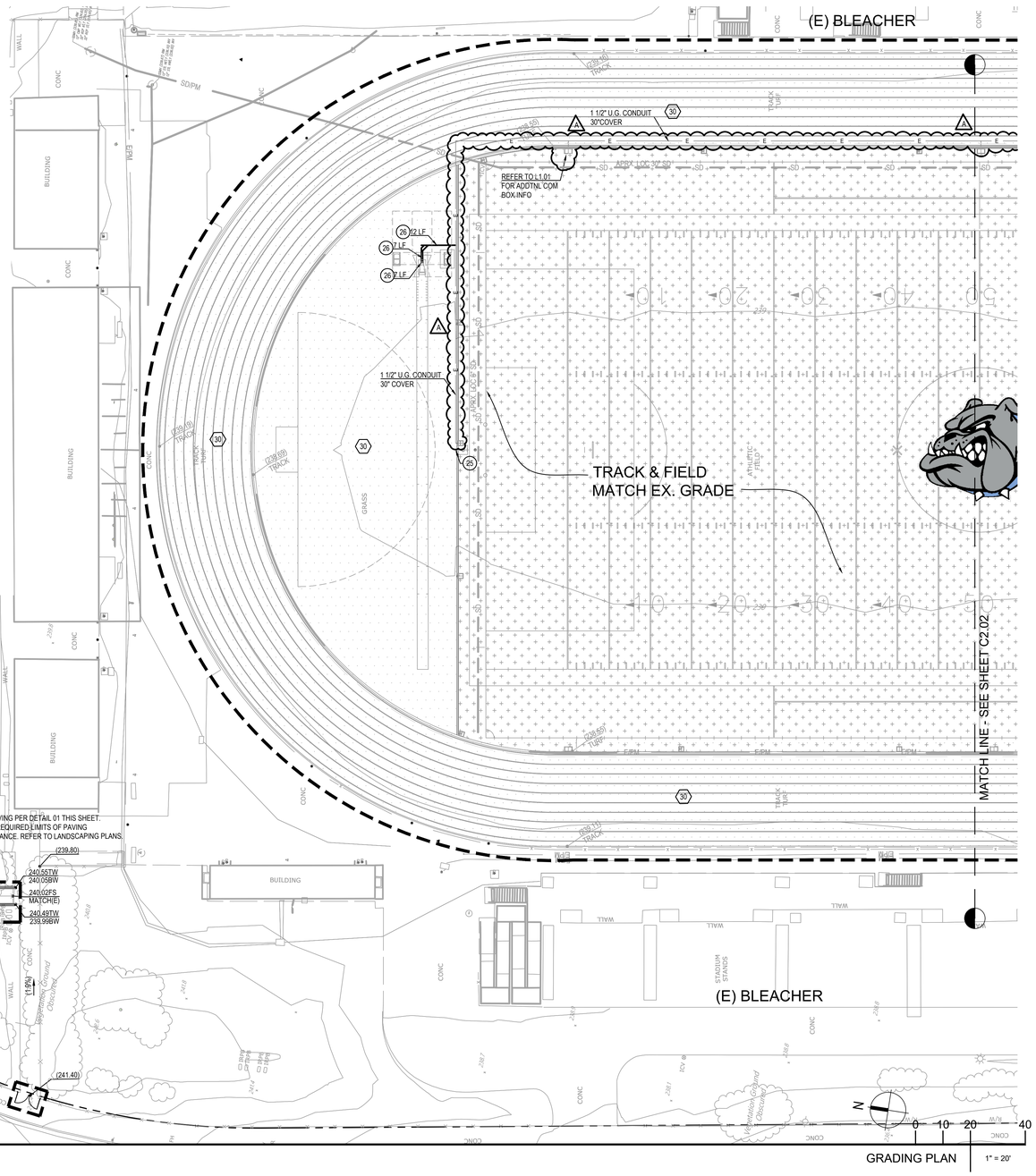
1. SEE LANDSCAPE PLANS FOR PAVERS, LOCATION AND TYPE OF CONCRETE WALKS AND HARDSCAPE INCLUDING DETAILS FOR CONCRETE FINISHES, CONTROL JOINTS AND EXPANSION JOINTS.
2. VERIFY ALL VEHICULAR AND NON-VEHICULAR LIMITS WITH LANDSCAPE PLANS.

STORM DRAIN CONSTRUCTION NOTES

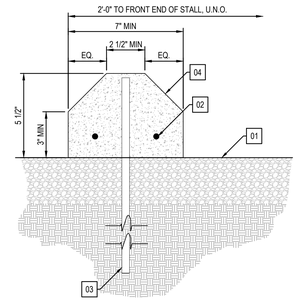
KEY NOTE	DESCRIPTION
25	SUPPLY AND INSTALL 1" SCH 40 SPORT FIELD GOAL POST BOX DRAIN PIPE S=0.010 MIN. CONNECT TO STORM DRAIN OR DAYLIGHT INTO PERMEABLE BASE. SEE DETAIL 17 SHEET L5.05.
26	SUPPLY AND INSTALL 1" SCH 40 SPORT FIELD POLE VAULT DRAIN PIPE S=0.010 MIN. CONNECT TO STORM DRAIN OR DAYLIGHT INTO PERMEABLE BASE. SEE DETAIL 13 SHEET L5.04.

NOTES:

1. UTILITIES TO CROSS OVER OR UNDER OTHER UTILITIES TO MAINTAIN 12" MINIMUM CLEARANCE AT UTILITY CROSSINGS, UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL VERIFY SIZE AND LOCATION (HORIZONTAL AND VERTICAL) OF EXISTING CROSSING AND JOINING UTILITIES PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICT.
3. CONTRACTOR SHALL CONSTRUCT GRAVITY UTILITIES (SEWER AND STORM DRAIN) BEFORE OTHER UTILITIES. CONSTRUCTION OF THESE GRAVITY UTILITIES TO START FROM THE DOWNSTREAM ENDS.
4. EXISTING UTILITIES ARE COMPILED BASED ON PREVIOUS BASE FILES, FIELD SURVEY AND FIELD VERIFICATION. POTHOLING IS RECOMMENDED TO VERIFY ANY AND ALL UTILITIES KNOWN OR UNKNOWN WHICH MAY BE IN CONFLICT WITH PROPOSED CONSTRUCTION.
5. PRIOR TO THE REMOVAL OF ANY WET OR DRY UTILITY LINES, THE CONTRACTOR SHALL CONFIRM WITH OWNER REPRESENTATIVE WHETHER THESE UTILITY LINES ARE STILL ACTIVE OR NOT. IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICT.
6. CONTRACTOR TO ADJUST TO FINISHED GRADE ALL EXISTING UTILITY BOXES, STORM DRAIN CLEANOUT COVERS, PULL BOXES AND VALVE COVERS NOT SPECIFICALLY SHOWN WITHIN THE LIMITS OF WORK.
7. SAWCUT, REMOVE AND REPLACE EXISTING CURB AS REQUIRED FOR TRENCHING. MATCH EXISTING CURB.
8. ALL PRECAST DRAIN INLETS TO HAVE AN APPROVED "NO DUMPING DRAINS TO RIVER" 3" X 5½" ROUNDED CORNERED RECTANGLES STYLE #NDR OR 4" DIAMETER ROUND STYLE #SDR ABRASION AND UV RESISTANT DURACAST STYLE MARKER BY DAS MANUFACTURING OR EQUIVALENT APPLIED TO THE CONCRETE COLLAR AROUND DRAIN INLET USING RAPID SET URETHANE ADHESIVE OR QUICKSTIK EPOXY PUTTY ADHESIVE PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
http://www.dasmanufacturing.com/product_quide.html



GRADING PLAN | 1" = 20'



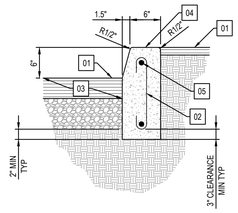
01 FINISHED SURFACE

02 (2) #3 REBAR CONTINUOUS TYP

03 #4 x 18" REBAR AT EACH END

04 PRE-CAST CONC. WHEEL STOP 4'-0" LONG AT SINGLE STALL, 6'-0" LONG AT STALLS SHARED

PRE-CAST CONCRETE WHEEL STOP | NTS | 03



NOTES:
- EXPANSION JOINTS AND CONTROL JOINTS PER SSPWC SECTION 303-5 SHALL BE PLACED IN CURB ALIGNED WITH HARDSCAPE JOINTING PER LANDSCAPE DRAWINGS (EXCEPTION: CONTROL JOINTS SHALL BE MAXIMUM 10.0' INTERVALS).

01 FINISHED SURFACE / FINISHED GRADE

02 #3 REBAR @ 36" OC

03 CONCRETE PAVEMENT: NATURAL GRAY, 3000 PSI MIN, MED BROOM FINISH

04 SLOPE 1/4" PER FOOT

05 (2) #4 REBAR CONTINUOUS TYP

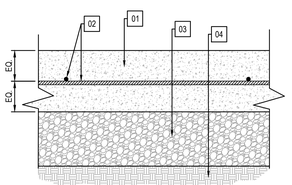
VERTICAL CURB | NTS | 02

01 CONCRETE PAVING: PEDESTRIAN: 4" THICK

02 REINFORCEMENT: PEDESTRIAN: #3 REBAR 12" O.C., E.W.

03 BASE COURSE: PEDESTRIAN: 6" THICK

04 COMPACTED SUBGRADE PER GEOTECHNICAL RECOMMENDATIONS



NOTES:
A. CONCRETE COLOR AND FINISH PER LANDSCAPE PLANS.
B. CONTROL JOINTS AND EXPANSION JOINTS PER CA BLDG CODE.
C. PROVIDE DOWELS WHERE NEW CONCRETE TIES INTO (E) PER CA BLDG CODE.
D. DO NOT ALLOW CONCRETE OVER-POUR INTO ADJACENT PLANTERS.

CONCRETE PAVING | NTS | 01

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ARCHITECTURE ENGINEERING INTERIOR DESIGN
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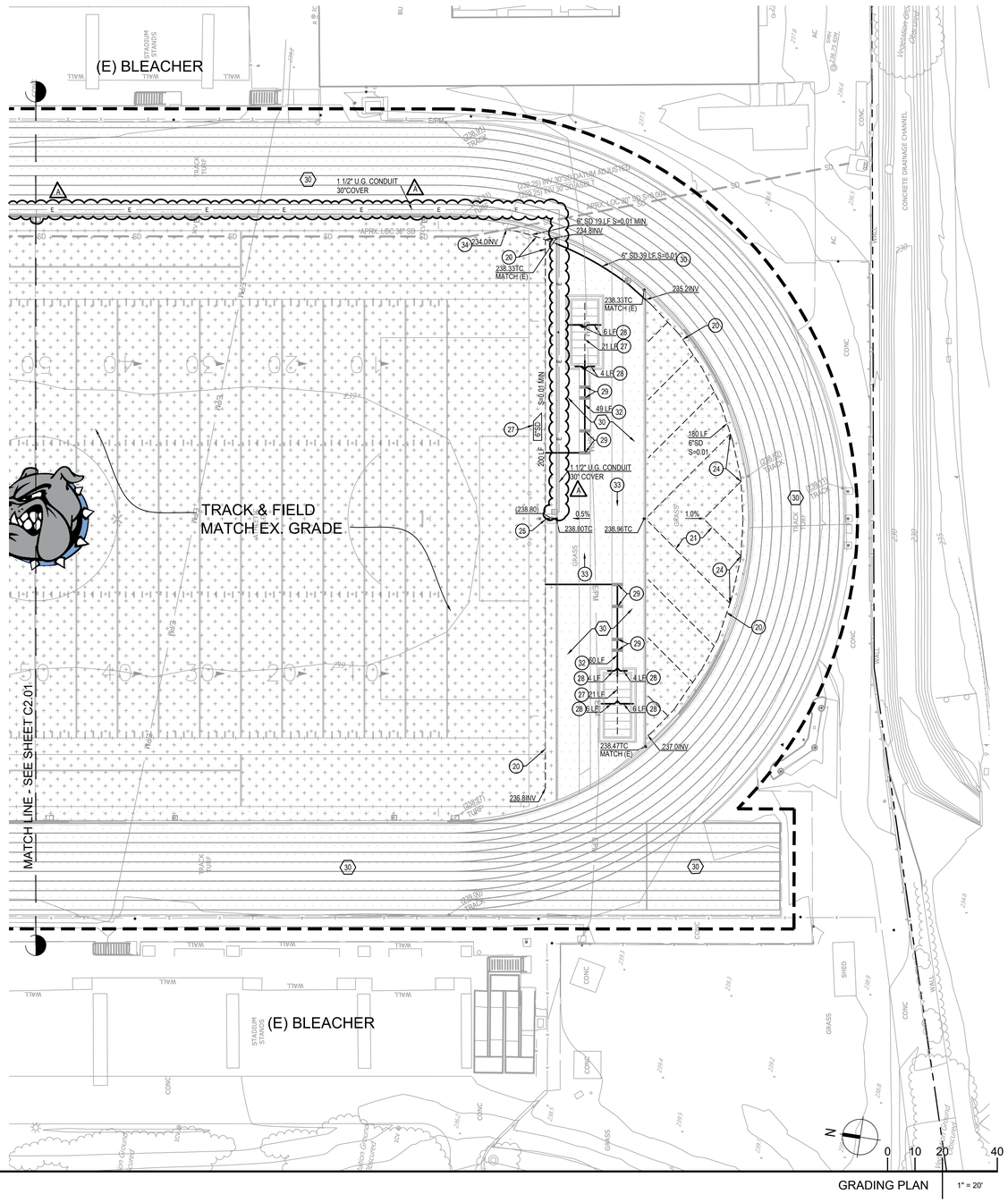
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GRADING, PAVING, STORM DRAIN & DETAILS PLAN

C2.01



GRADING PLAN 1" = 20'

GRADING LEGEND

APPROXIMATE LIMIT OF WORK LINE.

PAVING LEGEND

SYMBOL	DESCRIPTION
30	AC TRACK PAVEMENT ASPHALT PAVING 4" THICK @ TRACK. COMPRISED OF A TWO LIFT SYSTEM (2.5" BASE LIFT, TACK COAT, AND 1.5" TOPPING LIFT).

PAVING NOTES:

1. SEE LANDSCAPE PLANS FOR PAVERS, LOCATION AND TYPE OF CONCRETE WALKS AND HARDSCAPE INCLUDING DETAILS FOR CONCRETE FINISHES, CONTROL JOINTS AND EXPANSION JOINTS.
2. VERIFY ALL VEHICULAR AND NON-VEHICULAR LIMITS WITH LANDSCAPE PLANS.

STORM DRAIN CONSTRUCTION NOTES

KEY NOTE	DESCRIPTION
20	SUPPLY AND INSTALL 6" PERFORATED HDPE SUBDRAIN PER DETAIL 01 SHEET C7.01.
21	SUPPLY AND INSTALL FIELD SUBDRAINS 12" MULTI-FLOW FLAT DRAIN 15' ON CENTER PER DETAIL 05 SHEET L5.03.
22	NOT USED.
23	NOT USED.
24	TERMINATE STORM DRAIN WITHIN FIELD PERIMETER SUBDRAIN TRENCH. LEAVE END OPEN AND COVER WITH CLEAN DRAIN ROCK. SEE DETAIL 05 SHEET L5.03.
25	SUPPLY AND INSTALL 1" SCH 40 SPORT FIELD GOAL POST BOX DRAIN PIPE S=0.010 MIN. CONNECT TO STORM DRAIN OR DAYLIGHT INTO PERMEABLE BASE. SEE DETAIL 17 SHEET L5.05.
26	SUPPLY AND INSTALL 1" SCH 40 SPORT FIELD POLE VAULT DRAIN PIPE S=0.010 MIN. CONNECT TO STORM DRAIN OR DAYLIGHT INTO PERMEABLE BASE. SEE DETAIL 13 SHEET L5.04.
27	SUPPLY AND INSTALL LONG JUMP PIT PERFORATED DRAIN PIPE. SEE DETAIL 06 SHEET L5.04.
28	CONNECT TO LONG JUMP SAND TRAP PERIMETER DRAIN.
29	CONNECT TO LONG JUMP TAKE OFF BOARD PER LANDSCAPE DETAIL SHEET.
30	SUPPLY AND INSTALL 6" PVC STORM DRAIN AT S=0.010 MIN.
31	SUPPLY AND INSTALL 2" PVC STORM DRAIN AT S=0.010 MIN.
32	SUPPLY AND INSTALL 4" PVC STORM DRAIN AT S=0.010 MIN.
33	DIRECTION OF RUN SLOPE MAX 1:1,000
34	CONNECT TO EXISTING STORM DRAIN. CONTRACTOR TO VERIFY EXISTING MANHOLE INVERTS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST. ENSURE EXISTING STORM DRAIN OUTLET IS FREE OF DEBRIS AND EXISTING SYSTEM FLOW IS UNOBSTRUCTED. ANY DEBRIS SHALL BE DISPOSED OF AT NO EXPENSE TO THE OWNER.

NOTES:

1. UTILITIES TO CROSS OVER OR UNDER OTHER UTILITIES TO MAINTAIN 12" MINIMUM CLEARANCE AT UTILITY CROSSINGS, UNLESS NOTED OTHERWISE.
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GRADING, PAVING, STORM DRAIN & DETAILS PLAN

C2.02

ABBREVIATIONS

&	AND	GA.	GAUGE
∠	ANGLE	GALV.	GALVANIZED
@	AT	GND.	GROUND
℄	CENTERLINE	GR.	GRADE
Ø	DIAMETER OR ROUND		
#	POUND OR NUMBER	HDR	HEADER
		HT.	HEIGHT
ADJ.	ADJACENT		
AGGR.	AGGREGATE	LT.	LIGHT
AL.	ALUMINUM		
APPROX.	APPROXIMATE	MAX.	MAXIMUM
ARCH.	ARCHITECTURAL	MET.	METAL
AC.	ASPHALT	MFR.	MANUFACTURER
ACC.	ACCESSIBLE	MIN.	MINIMUM
		MTD.	MOUNTED
B.C.R.	BEGINNING OF CURVE RADIUS	MTL.	MATERIAL
B.O.C.	BACK OF CURB		
B.O.W.	BOTTOM OF WALL	N.I.C.	NOT IN CONTRACT
B.O.S.	BOTTOM OF SLOPE	N.T.S.	NOT TO SCALE
BLDG.	BUILDING		
BLK.	BLOCK	O.C.	ON CENTER
		O.D.	OUTSIDE DIAMETER
C.E.	CIVIL ENGINEER	(DIM.)	
C.I.P.	CAST IN PLACE		
CLKG.	CAULKING	PA	PLANTING AREA
CMU.	CONCRETE MASONRY UNIT	PED.	PEDESTRIAN
CONC.	CONCRETE	PRCST.	PRECAST
CONSTR.	CONSTRUCTION	P.I.P.	POURED IN PLACE
CONT.	CONTINUOUS	P.O.T.	POINT OF TANGENCY
CTR.	CENTER	P.T.S.	POST TENSION SLAB
D.A.	DISABLED ACCESS	QTY	QUANTITY
DET.	DETAIL		
DIA.	DIAMETER	R.	RISER
DIM.	DIMENSION	RAD.	RADIUS
DN.	DOWN	REINF.	REINFORCED
DWGS.	DRAWINGS	REQ.	REQUIRED
E.J.	EXPANSION JOINT	SCHED.	SCHEDULE
EL.	ELEVATION	SHT.	SHEET
ELEC.	ELECTRICAL	SPEC.	SPECIFICATION
EQ.	EQUAL	S.S.	STAINLESS STEEL
EXP.	EXPANSION	STD.	STANDARD
EXT.	EXTERIOR	STRL.	STRUCTURAL
F.G.	FINISH GRADE	T.	TREAD
F.S.	FINISH SURFACE	T.C.	TOP OF CURB
F.O.B.	FACE OF BUILDING	T.O.S.	TOP OF SLOPE
F.O.C.	FACE OF CURB	T.O.W.	TOP OF WALL
F.O.W.	FACE OF WALL	TYP.	TYPICAL
		TBD.	TO BE DETERMINED
		VEH.	VEHICULAR
		VERT.	VERTICAL
		W/	WITH
		W/O	WITHOUT

PLANTING NOTES

1. REFER TO CIVIL ENGINEER'S DRAWINGS FOR UTILITY LOCATIONS, TREE SUBDRAINAGE STUBOUTS, (IF REQUIRED), AND FINAL GRADING. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
2. VERIFY LOCATIONS OF ALL PERTINENT EXISTING AND PROPOSED SITE IMPROVEMENTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION PRIOR TO COMMENCING WORK.
3. EXACT LOCATIONS OF PLANT MATERIALS SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLANT COUNTS AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLANS TAKE PRECEDENCE OVER WRITTEN QUANTITIES IN "PLANTING LEGEND."
5. PROVIDE MATCHING FORMS AND SIZES FOR ALL PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
6. PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.
7. ALIGNED AND EQUALLY SPACED. IN ALL DIRECTIONS, ALL SHRUBS TO BE AS DESIGNATED PER THESE NOTES AND DRAWINGS.
8. ALL TREES IN ROWS TO BE ALIGNED. (UNLESS NOTED OTHERWISE ON PLANS)
9. TREES SHALL BEAR SAME RELATION TO FINISH GRADE AS AT PLACE OF GROWTH.
10. FINISH GRADES OF ALL TURF AREAS SHALL BE (1") BELOW ADJACENT CURB OR PAVEMENT. FINISH GRADES OF ALL SHRUB AREAS SHALL BE (2-1/2") BELOW ADJACENT CURB, PAVEMENT OR HEADER.
11. CONTRACTOR SHALL SUBMIT FOR APPROVAL COLOR PHOTOS OF ALL TREES, SHRUBS, AND GROUNDCOVER. PHOTOS SHOULD INCLUDE A PERSON FOR SCALE PURPOSES, PHOTOS SHALL BE OF THE ACTUAL PLANT MATERIAL TO BE USED ON THE PROJECT. ALL PLANT MATERIAL SHALL BE OF A QUALITY AS DETERMINED BY THE LANDSCAPE ARCHITECT. MATERIAL FOUND UNSUITABLE FOR THE DESIGN OR SPECIFICATION INTENT WILL BE REJECTED.
12. PROVIDE A (3") LAYER OF MULCH AT PROPOSED TREE, SHRUB, AND GROUNDCOVER PLANTING AREAS, EXCEPT AREAS WITH JUTE MESHING.
13. CONTRACTOR SHALL CONDUCT AGRICULTURAL SUITABILITY AND FERTILITY SOILS TESTING PER SOIL PREPARATION SPECIFICATION. ANALYSIS SHALL INCLUDE RECOMMENDATIONS FOR SOIL PREPARATION AND BACKFILL MIX AS WELL AS RECOMMENDATIONS FOR POST MAINTENANCE FERTILIZATION. SUBMIT SOILS ANALYSES AND SAMPLES OF AMENDMENTS TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO SOIL PREPARATION.
14. QUANTITIES LISTED ON PLANT LEGEND ARE PER SHEET. CONTRACTOR MUST VERIFY QUANTITIES GIVEN ON THE PLANS WITH ACTUAL QUANTITIES SHOWN.
15. PROVIDE ROOT BARRIERS IN ADDITION TO THOSE INDICATED ON THE PLANS FOR ALL TREES WITHIN 5' OF ANY HARDSCAPE.
16. NOT INSTALL WATERING BASINS AROUND TREES WHEN PLANTED IN TURF. PROVIDE A CIRCULAR TURF-FREE ZONE TO OUTSIDE EDGE OF ROOTBALL. PLACE ONLY 2-INCHES OF WOOD MULCH IN THIS AREA AND NO CLOSER THAN 4-INCHES FROM TRUNK.
17. PLANT ALL TREES A MIN. OF 5' FROM ANY UTILITIES. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING WORK.
18. TREES ARE TO BE A MINIMUM OF 5' AWAY FROM ANY HARDSCAPE SUCH AS CURBS, WALKS, ETC.
19. LANDSCAPE MAINTENANCE PERIOD IS 90 DAYS.
20. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

LAYOUT AND MATERIALS NOTES

1. THE CONTRACTOR SHALL LAYOUT AND FIELD VERIFY ALL DIMENSIONS OF DRIVEWAY, PLANTERS, WALKS, SLOPES AND RELATED WORK PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE.
2. VERIFY LOCATIONS OF ALL PERTINENT EXISTING AND PROPOSED SITE IMPROVEMENTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION PRIOR TO COMMENCING WORK.
3. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.
4. THIS DRAWING INCLUDES THE LOCATION OF AREA DRAINS FOR REFERENCE. REFER TO RELATED CIVIL ENGINEER'S DRAWINGS FOR CONSTRUCTION DETAILS AND UTILITY CONNECTIONS.
5. REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR LIGHT FIXTURE SCHEDULE AND CIRCUITRY AS NECESSARY.
6. REFER TO SOIL ENGINEER'S GEOTECHNICAL REPORT FOR SUB-BASE MATERIALS AND COMPACTION.
7. WHERE DIMENSIONS ARE CALLED AS "EQUAL", ALL REFERENCED ITEMS SHALL BE SPACED EQUALLY, MEASURED TO THEIR CENTERLINES.
8. ALL MEASUREMENTS ARE TO FACE OF WALL, CURB OR OTHER FIXED SITE IMPROVEMENT, UNLESS OTHERWISE NOTED. DIMENSIONS TO CENTERLINES AS INDICATED.
9. INSTALL ALL INTERSECTING ELEMENTS AT 90 DEGREES TO EACH OTHER UNLESS OTHERWISE NOTED.
10. ALL DRAINS/ BASINS SHOULD HAVE BLACK ATRIUM TYPE GRATES WITHIN SHRUBS/GROUNDCOVER AREAS AND BLACK FLAT TYPE GRATES IN TURF AREAS.

LANDSCAPE GRADING AND DRAINAGE NOTES

1. REFER TO CIVIL ENGINEER'S GRADING PLANS FOR SITE GRADING, DRAINAGE, AND UTILITY LOCATIONS. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECTS DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
2. REFER TO CIVIL ENGINEER'S DRAWINGS FOR SUBDRAINAGE POINT OF IN CONNECTION TO STORM DRAIN.
3. THE CONTRACTOR SHALL REQUEST OBSERVATION AS REQUIRED 48 HOURS ADVANCE OF PERFORMING WORK.
4. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA 800/227-2600) OR DIG ALERT (800-422-4133) 48 HOURS PRIOR TO ANY EXCAVATION.
5. ALL GRADING OPERATIONS SHALL CONFORM TO LOCAL GUIDELINES.
6. FIELD VERIFY EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION.
7. NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED FOR ACTUAL OR CLAIMED DISCREPANCY BETWEEN EXISTING GRADE AND THOSE SHOWN ON PLANS AFTER CONTRACTOR HAS ACCEPTED EXISTING GRADES AND MOVED ONTO THE SITE.
8. ALL PROPOSED GRADES ARE TO MEET AND BLEND IN WITH EXISTING GRADING AT PROJECT LIMIT AND EXISTING SIDEWALK. PRECISE ELEVATIONS INDICATED ON PLANS TO BE VERIFIED IN FIELD TO AS-BUILT CONDITION.
9. THE DEBRIS CREATED BY LANDSCAPE GRADING OPERATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF-SITE.
10. FINAL LANDSCAPE GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION OF PLANTING.

GENERAL NOTES

1. BASE INFORMATION INCLUDING THE LOCATION OF PROPERTY LINES, EASEMENTS, BUILDINGS, ROADS AND CURBS HAVE BEEN TAKEN FROM THE CIVIL ENGINEER'S DRAWINGS. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFORMATION.
2. REFER TO THE CIVIL ENGINEER'S DRAWINGS FOR PROPOSED UTILITY INFORMATION INCLUDING STORM DRAIN, SEWER, WATER, ELECTRICAL, GAS, TELEPHONE AND CABLE TV.
3. REFER TO CITY AND/OR COUNTY STANDARD PLANS AND SPECIFICATIONS WHERE APPLICABLE.
4. VERIFY SITE INFORMATION, INCLUDING PROPERTY LINES, EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES AND STRUCTURES, AND OTHER INFORMATION AFFECTING THE SCOPE OF WORK INCLUDED ON THESE DRAWINGS. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND THE LANDSCAPE ARCHITECT FOR DIRECTION ON HOW TO PROCEED.
5. EXCAVATION IN THE VICINITY OF UTILITIES AND EXISTING MATERIALS SHALL BE UNDERTAKEN WITH CARE. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK. ANY DAMAGE CAUSED BY ANY PERSON, VEHICLE, EQUIPMENT, OR TOOL RELATED TO THE EXECUTION OF THE CONTRACT SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION REQUIRED TO ACCOMPLISH ALL CONSTRUCTION OPERATIONS. ALL PIPING, CONDUIT, SLEEVES, ETC., SHALL BE SET IN PLACE PRIOR TO INSTALLATION OF CONSTRUCTION ITEMS.
7. CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT WITH SITE SUPERINTENDENT, APPROPRIATE AGENCIES AND PLANS, FOR THE LOCATIONS OF ALL UNDER-GROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES.
8. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS, AREA DISCREPANCIES AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.
9. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION.
10. PRIOR TO INSTALLATION OF ANY CONSTRUCTION ITEM, FORMS WITH STEEL IN PLACE AND COMPACTED SUBGRADE COMPLETE, SHALL BE OBSERVED AND REVIEWED BY THE LANDSCAPE ARCHITECT.
11. ALL WALLS AND WALKS SHOULD HAVE SMOOTH, CONTINUOUS CURVES AS INDICATED ON PLANS.
12. ALL PROPERTY LINES, LOT LINES, AND TOP OF SLOPE LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
13. ALL ELECTRICAL JUNCTION BOXES FOR LIGHTS SHALL BE IN PLANTING AREAS AND LOCATION REVIEWED BY THE LANDSCAPE ARCHITECT. STAKE LOCATION PRIOR TO INSTALLATION.
14. SEE CIVIL ENGINEER'S DRAWINGS FOR CURBS AND A/C PAVING.
15. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ELEVATIONS AND LOCATION OF DRAINAGE STRUCTURES PRIOR TO INSTALLATION OF WALKS, FOOTINGS AND OTHER STRUCTURES.
16. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION. IF NOTES ON THE PLANS DIFFER FROM THE GEOTECHNICAL REPORT, PROVIDE THE MOST STRINGENT REQUIREMENT.
17. RAISE ALL VAULTS/UTILITIES BOXES TO GRADE WITHIN LIMITS OF WORK. FIELD VERIFY PRIOR TO BID.

SHEET INDEX

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L0.02 LANDSCAPE NOTES AND SCHEDULES
L0.03 OVERALL SITE PLAN

L1.01 MATERIALS PLAN
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L2.01 LAYOUT PLAN
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L5.01 CONSTRUCTION DETAILS
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LANDSCAPE SCOPE OF WORK

1. SYNTHETIC TRACK AND FIELD REPLACEMENT
2. SITEWORK INCLUDING CONCRETE HARDSCAPE
3. PLANTING AND IRRIGATION

MATERIALS KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
01	CONCRETE PAVING	01/ L5.01	NATURAL GRAY/ MEDIUM BROOM
02	TRUNCATED DOME PAVERS	09/ L5.01	FEDERAL YELLOW (A-40) FINISH
03	CONCRETE RETAINING CURB	11/ L5.01	NATURAL GRAY/ SMOOTH TROWEL
04	CONCRETE RAMP	01/ L5.01	NATURAL GRAY/ MEDIUM BROOM
05	HANDRAIL AT RAMP	01/ L5.02	GALVANIZED
06	CHAINLINK DOUBLE SWING GATE	17/ L5.02	GALVANIZED

ATHLETIC KEYNOTES

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
A01	RUBBERIZED TRACK SURFACING	04/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A02	SYNTHETIC TURF SURFACING	01/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A03	POLE VAULT LAYOUT	09/ L5.04	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A04	LONG JUMP / TRIPLE JUMP LAYOUT	01/ L5.04	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A05	FOOTBALL GOAL POST	17/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A06	TRACK & FIELD STRIPING AND LOGOS	01/ L5.05	PER FINAL APPROVED CMAS SHOP DRAWINGS (1)
A07	CONCRETE CURB @ D-ZONE	08/ L5.03	NATURAL GRAY/ LIGHT BROOM
A08	QCV BOX	06/L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A09	ELEC BOX	(1) 13/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A10	COM BOX	07/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01

REFERENCE KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COMMENTS
A	EXISTING PAVING		PROTECT IN PLACE
B	EXISTING CURB		PROTECT IN PLACE
C	EXISTING WALL		PROTECT IN PLACE
D	EXISTING FENCE		PROTECT IN PLACE
E	EXISTING UTILITY		PROTECT IN PLACE
F	EXISTING TREE		PROTECT IN PLACE
G	A.C. PAVING	PER CIVIL	
H	ADA SIGNAGE	16/ C2.01	
J	PAVEMENT STRIPING	20/ C2.01	
K	WHEEL STOP	03/ C2.01	
L	ADA EMBLEM	12/ C2.01	
M	ZERO CURB FACE	02/ C2.01	
N	UNAUTHORIZED VEHICLE SIGN	08/ C2.01	
O	CONCRETE VERTICAL CURB	02/ C2.01	

SITE SYMBOLS LEGEND

SYM.	DESCRIPTION	SYM.	DESCRIPTION	DET.
	FIRE HYDRANT - PER CIVIL		SAWCUT JOINT	02/ L5.01
	CATCH BASIN - PER CIVIL		EXPANSION JOINT	02/ L5.01
CO	CLEAN OUT - PER CIVIL		MATCHLINE	
MH	MAN HOLE - PER CIVIL		PROPERTY LINE/ RIGHT OF WAY	
	DIRECTION OF RAMP; DOWN SLOPE	T.O.S.	TOP OF SLOPE	
	EXISTING TREE PROTECT IN PLACE	B.O.S.	BOTTOM OF SLOPE	
PA	PLANTING AREA	F.O.B.	FACE OF BUILDING	
	ALIGN	F.O.C.	FACE OF CURB	

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL AND ELEC DWGS FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

GENERAL IRRIGATION NOTES

GENERAL: DUE TO MINOR IMPACTS ANTICIPATED TO EXISTING IRRIGATION SYSTEM, A DETAILED IRRIGATION PLAN WILL NOT BE PROVIDED TO CONTRACTOR FOR USE IN BIDDING AND CONSTRUCTING OF THIS PROJECT. THEREFORE, CONTRACTOR WILL BE REQUIRED IN HIS BID TO SELECTIVELY DEMOLISH, DESIGN, REPAIR, AND ADJUST EXISTING IRRIGATION SYSTEM TO ACCOMMODATE NEW IMPROVEMENTS PER THIS CONTRACT.

1. IT IS RECOMMENDED THAT CONTRACTOR VISIT AND BECOME FAMILIAR WITH EXISTING SITE CONDITIONS PRIOR TO PLACING BID.
2. FAMILIARIZE YOURSELF WITH ADJACENT EXISTING IRRIGATION SYSTEM THAT IS TO BE PROTECTED IN PLACE. CONTRACTOR IS RESPONSIBLE FOR DAMAGE OR ADJUSTMENTS REQUIRED TO EXISTING ADJACENT IRRIGATION SYSTEM, INCLUDING REPLACING OR RELOCATING IRRIGATION LINES, SPRAYHEADS, VALVES, WIRES, ETC.
3. PROTECT EXISTING IRRIGATION SYSTEM IN PLACE DURING CONSTRUCTION. REPAIR DAMAGED IRRIGATION OR INOPERABLE IRRIGATION TO A FULLY AUTOMATED 100% OPERABLE SYSTEM. RESTORE IRRIGATION ROTORS, ROTATING NOZZLES AND SPRAY HEADS TO PROVIDE PROVIDE "HEAD-TO-HEAD" COVERAGE. REPLACE IMPACT HEADS WITH A MORE EFFICIENT PRODUCT. RESTORE DRIP OR BUBBLER IRRIGATION, SO THAT EACH EMITTER IS FULLY OPERATIONAL AND SECURED TO PROPERLY SATURATE THE INTENDED PLANT MATERIAL.
4. ADJUST EXISTING IRRIGATION SYSTEM WITHIN LIMITS OF WORK AS REQUIRED TO ACCOMMODATE NEW HARDSCAPE AND PLANTING REVISIONS AS NOTED ON THESE PLANS. ADJUST EXISTING IRRIGATION SYSTEM AS REQUIRED TO ACCOMMODATE NEW PLANT MATERIAL. REPLACE HEADS AS NECESSARY TO ARCHIVE A HEAD TO HEAD SPRAY PATTERN WITHOUT OVERSPRAY ON ANY IMPERMEABLE SURFACES.
5. USE PROPER GROUNDING TECHNIQUES WHEN GROUNDING IRRIGATION CONTROLLER AND ITS RELATED EQUIPMENT. ADHERE TO MANUFACTURERS SPECIFICATIONS, AS NEEDED.
6. INSTALL PVC SLEEVING TWICE THE DIAMETER OF PIPE CARRIED WHEN LOCATED UNDER PAVING. USE SCHEDULE 40 PIPE AND SIZE AS REQUIRED TO EASILY PULL CONTROL WIRE THROUGH. INSTALL SLEEVES WITH AT A MINIMUM DEPTH OF 24". EXTEND SLEEVES AT LEAST 12" PAST EDGE OF PAVING. CAP ENDS AS REQUIRED.
7. INSTALL QUICK COUPLERS AND REMOTE CONTROL VALVES IN SHRUB OR GROUNDCOVER AREAS WHENEVER POSSIBLE. THE EDGE OF THE QUICK COUPLER AND REMOTE CONTROL VALVE BOXES SHALL BE NO CLOSER THAN 12-INCHES FROM ANY ADJACENT HARDSCAPE OR VERTICAL SURFACE.
8. FOR EXISTING PLANTERS, PROVIDE 100% "HEAD-TO-HEAD" COVERAGE WHERE DESIGN DICTATES. ADJUST HEADS TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, UTILITIES, LIGHTING AND HARDSCAPE. THIS INCLUDES ADJUSTMENT OF DIFFUSER PINS OR ADJUSTMENT SCREWS, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC NOZZLES.

GENERAL IRRIGATION NOTES (CONTINUED)

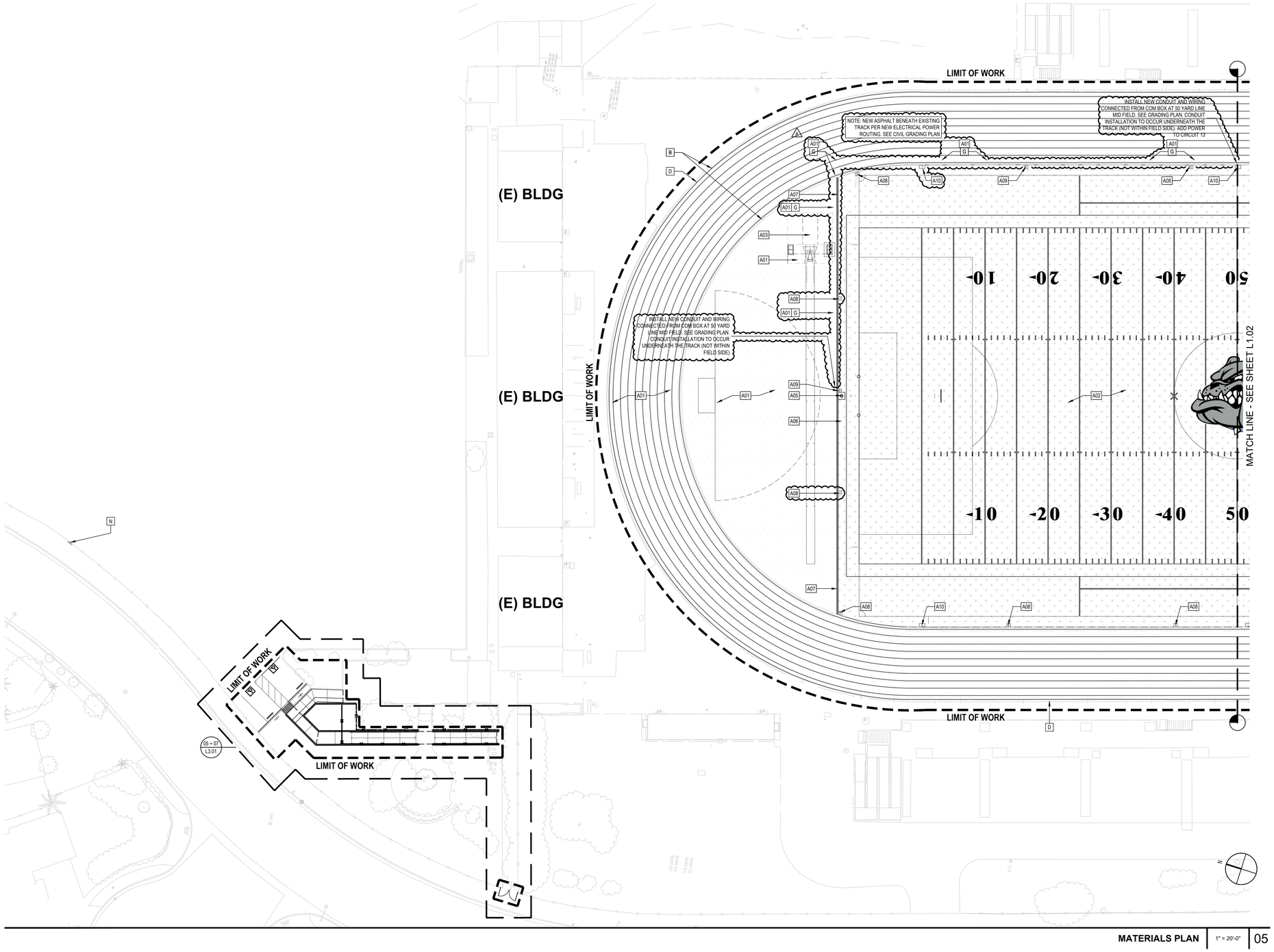
9. DO NOT DISRUPT EXISTING IRRIGATION SYSTEM DURING CONSTRUCTION NOR AUTOMATIC PROGRAMMED WATERING SCHEDULES DURING CONSTRUCTION.
10. STAKE LOCATIONS (WOOD STAKES WITH BLACK INK ID MARKS) OF PROPOSED IRRIGATION EQUIPMENT TO INCLUDE BUT NOT BE LIMITED TO ABOVE GROUND ELEMENTS SUCH AS IRRIGATION CONTROL VALVE BOXES, WYE STRAINER BOXES (IF ANY), FLUSH VALVE BOXES (IF ANY), AIR VACUUM RELIEF VALVE BOXES (IF ANY), QUICK COUPLER VALVE BOXES, ISOLATION VALVE BOXES, MASTER VALVE BOXES, BACKFLOW ASSEMBLIES, FERTILIZER INJECTORS (IF ANY), INCLUDING MAINLINE AND LATERAL PIPE ROUTING AND OBTAIN LANDSCAPE ARCHITECT'S AND OWNER'S REPRESENTATIVE APPROVAL OF PROPOSED LAYOUT PRIOR TO INSTALLATION.
11. REPLACE EXISTING IRRIGATION CONTROLLER WITH A SMART CONTROLLER TO MEET CURRENT MWELO CODE. RECONNECT EXISTING REMOTE CONTROL VALVE WIRES TO THE CONTROLLER COMPLETE. REPROGRAM THE CONTROLLER WITH OWNER REPRESENTATIVE. CONFIRM PROPER CONTROLLER OPERATION AND INSTALLATION WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK AND UPON COMPLETION OF WORK.
12. CONFIRM THE AMOUNT OF STATIONS ON EXISTING IRRIGATION CONTROLLER(S) PRIOR TO OBTAINING THE REPLACEMENT CONTROLLER(S) FOR PROPER CAPACITY SIZING.
13. USE ADJUSTABLE ARC NOZZLES ROTATING NOZZLES FOR IRRIGATION LOCATED IN AREAS WHERE A STANDARD ARC PATTERN WOULD OVERSPRAY ONTO ADJACENT BUILDING, UTILITY, LIGHTING, WALLS OR PAVING. ENSURE THAT ADJUSTABLE ARC NOZZLES HAVE SAME RADIUS AND A SIMILAR PRECIPITATION RATE AND THROW OF THE NOZZLES BEING REPLACED.
14. FOR NEW PLANTING AREAS PROVIDE IN-LINE DRIP SYSTEM. PROVIDE CORRECT TUBING/VALVES AS REQUIRED AND CONNECT COMPLETE TO THE IRRIGATION CONTROLLER. PROGRAM THE STATION(S) DURATION AND FREQUENCY PRIOR TO REVIEW WITH THE LANDSCAPE ARCHITECT.

IRRIGATION NOTES

1. CONTRACTOR SHALL MAINTAIN EXISTING MAINLINE IN WORKING ORDER. COORDINATE ALL INTERRUPTIONS OF OPERATION OF THE EXISTING IRRIGATION TO A MINIMUM. COORDINATE ALL INTERRUPTIONS WITH THE OWNER'S REPRESENTATIVE. COORDINATE ALL MAINLINE SERVICE DISRUPTIONS WITH THE OWNER 72 HOURS PRIOR TO PROPOSED INTERRUPTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION AND IF DAMAGED, SHALL BE REPLACED WITH SAME MANUFACTURER AND MODEL.
3. ANY EXISTING IRRIGATION CONTROL VALVES CONNECTED TO EXISTING CONTROLLERS SHALL BE RECONNECTED TO EXISTING CONTROLLER. CONFIRM PROPER CONTROLLER OPERATION AND INSTALLATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK AND UPON COMPLETION OF WORK.
4. CONTRACTOR SHALL CONFIRM THE EXISTING CONTROLLER MAKE AND MODEL AND SHALL CONFIRM THAT SAID CONTROLLER HAS ADEQUATE OPEN STATIONS TO OPERATE ANY ADJUSTED AND ALL PROPOSED IRRIGATION SYSTEM MODIFICATIONS. NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE SHOULD AND DISCREPANCIES BE NOTED.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS/MODIFICATION/REROUTING OF ALL ADJACENT BY NEW CONSTRUCTION IMPROVEMENTS. CONTRACTOR SHALL REPAIR SAID SYSTEMS TO A LIKE MANNER, PROVIDING NO LESS THAN 100% OF HEAD RADIUS COVERAGE IN ALL AREAS WITH SYSTEM LAYOUT AS APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL CONFIRM ALL AREAS REQUIRING MODIFICATION WITH THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO BIDDING WORK AND PRIOR TO STARTING WORK.
6. REPAIR SYSTEMS TO A LIKE NEW MANNER PER OWNER'S REQ'TS.
7. CONTRACTOR SHALL FIELD VERIFY DEPTH + LOCATION OF ALL EXISTING UTILITIES PRIOR TO BIDDING WORK AND AGAIN PRIOR TO STARTING WORK. VERIFICATION SHALL BE DOCUMENTED AND DELIVERED TO OWNER'S REPRESENTATIVE.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ALL SCH 40 PVC SLEEVING UNDER PAVING, WALLS AND CURBS AT NO LESS THAN 24" BELOW GRADE AND NO LESS THAN 2X DIAMETER OF IRRIGATION PIPE IN AREAS WHERE PIPE CROSSING WILL OCCUR. WHEN PIPE SIZE IS NOT AVAILABLE USE 6" SLEEVING MATERIAL. CONFIRM CROSSINGS WITH OWNER'S REPRESENTATIVE PRIOR TO PAVING AND HARDSCAPE CONSTRUCTION.
9. EXISTING IRRIGATION IN ADJACENT AREAS SHALL BE PROTECTED IN PLACE FOR CONTINUED USE. CONTRACTOR SHALL VERIFY THE EXTENT OF THE EXISTING SYSTEMS AND MAKE ADJUSTMENTS TO CAP OFF OR MODIFY THE EXISTING SYSTEMS TO MEET THE NEW LANDSCAPE CONDITION AS NECESSARY.
10. WHERE NEW IRRIGATION MATERIALS ARE REQUIRED, CONTRACTOR TO PROVIDE HIGH-EFFICIENCY MULTI-STREAM ROTATING SPRAY NOZZLES, BY RAINBIRD OR HUNTER INDUSTRIES.
11. UNSIZED LATERAL LINE PIPING LOCATED DOWN STREAM OF 1" PIPING SHALL BE 3/4" IN SIZE (TYPICAL).
12. SIZING OF LATERAL PIPE SHALL BE AS FOLLOWS:
    .75" 0-6 GPM
    1"7-12 GPM
    1.25" 13-20 GPM
    1.5" 21-32 GPM
    2" 33-50 GPM
13. SET SPRINKLER HEADS PERPENDICULAR TO FINISH GRADE.
14. IRRIGATION CONTROL WIRES: SOLID COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND. COMMON GROUND WIRE: SIZE #12-1 WIRE WITH A WHITE INSULATING JACKET. CONTROL WIRE SERVICING REMOTE CONTROL VALVES: SIZE #14-1 WIRE WITH INSULATING JACKET OF COLOR OTHER THAN WHITE. SPLICES SHALL BE MADE WITH 3M-DBY SEAL PACKS OR APPROVED EQUAL.
15. PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL #5.

SPORTS EQUIPMENT LEGEND

SYM.	DESC.	MANUF.	MODEL #	COLOR	FINISH/PTRN.	DET.	QTY.
	RUBBERIZED TRACK SURFACING	BEYNON	BSS 300	GRAY WITH LIGHT BLUE EXCHANGE ZONES	CMAS BY OWNER	04/ L5.03	PER PLAN
	SYNTHETIC TURF SURFACING	FIELDTURF	VERTEX CORE 2.25 INCH PILE HT. / CORK INFILL W/ SHOCK BASE PRO	GREEN & LT. GREEN MOW PATTERN	CMAS BY OWNER	01/ L5.03	PER PLAN
	POLE VAULT BOX	SPORTSFIELD SPECIALTIES	PVBCAW	WHITE	ALUMINUM	09/ L5.04	2
	POLE VAULT BOX COVER	SPORTSFIELD SPECIALTIES	PVBCPCA	GRAY TRACK	ALUMINUM	13/ L5.04	2
	POLE VAULT STANDARDS CIP	SPORTSFIELD SPECIALTIES	PVSFS PV20517 PVS1021 PVX	NATURAL GRAY	MEDIUM BROOM	15/ L5.04	2 EA.
	POLE VAULT LANDING SYSTEM: PROVIDE STANDARD PADS, COLAR PAD, DRAINAGE MAT, & PAD COVER	SPORTSFIEL



MATERIALS KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
01	CONCRETE PAVING	01/ L5.01	NATURAL GRAY/ MEDIUM BROOM
02	TRUNCATED DOME PAVERS	09/ L5.01	FEDERAL YELLOW (A-40) FINISH
03	CONCRETE RETAINING CURB	11/ L5.01	NATURAL GRAY/ SMOOTH TROWEL
04	CONCRETE RAMP	01/ L5.01	NATURAL GRAY/ MEDIUM BROOM
05	HANDRAIL AT RAMP	01/ L5.02	GALVANIZED
06	CHAINLINK DOUBLE SWING GATE	17/ L5.02	GALVANIZED

ATHLETIC KEYNOTES

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
A01	RUBBERIZED TRACK SURFACING	04/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A02	SYNTHETIC TURF SURFACING	01/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A03	POLE VAULT LAYOUT	09/ L5.04	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A04	LONG JUMP / TRIPLE JUMP LAYOUT	01/ L5.04	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A05	FOOTBALL GOAL POST	17/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A06	TRACK & FIELD STRIPING AND LOGOS	01/ L5.05	PER FINAL APPROVED CMAS SHOP DRAWINGS (A)
A07	CONCRETE CURB @ D-ZONE	08/ L5.03	NATURAL GRAY/ LIGHT BROOM
A08	QCV BOX	06/14/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A09	ELEC BOX	(A) 13/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A10	COM BOX	07/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01

REFERENCE KEYNOTE LEGEND

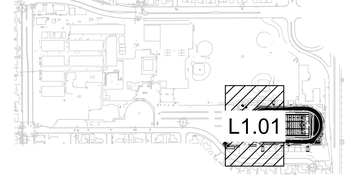
NOTE	DESCRIPTION	DET/ SHT	COMMENTS
A	EXISTING PAVING		PROTECT IN PLACE
B	EXISTING CURB		PROTECT IN PLACE
C	EXISTING WALL		PROTECT IN PLACE
D	EXISTING FENCE		PROTECT IN PLACE
E	EXISTING UTILITY		PROTECT IN PLACE
F	EXISTING TREE		PROTECT IN PLACE
G	A.C. PAVING	PER CIVIL	
H	ADA SIGNAGE	16/ C2.01	
J	PAVEMENT STRIPING	20/ C2.01	
K	WHEEL STOP	03/ C2.01	
L	ADA EMBLEM	12/ C2.01	
M	ZERO CURB FACE	02/ C2.01	
N	UNAUTHORIZED VEHICLE SIGN	08/ C2.01	
O	CONCRETE VERTICAL CURB	(A) 02/ C2.01	

SITE SYMBOLS LEGEND

SYM.	DESCRIPTION	SYM.	DESCRIPTION	DET.
	FIRE HYDRANT - PER CIVIL		SAWCUT JOINT	02/ L5.01
	CATCH BASIN - PER CIVIL		EXPANSION JOINT	02/ L5.01
CO	CLEAN OUT - PER CIVIL		MATCHLINE	
MH	MAN HOLE - PER CIVIL		PROPERTY LINE/ RIGHT OF WAY	
	DIRECTION OF RAMP; DOWN SLOPE	T.O.S.	TOP OF SLOPE	
+	EXISTING TREE PROTECT IN PLACE	B.O.S.	BOTTOM OF SLOPE	
PA	PLANTING AREA	F.O.B.	FACE OF BUILDING	
	ALIGN	F.O.C.	FACE OF CURB	

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL AND ELEC DWGS FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

KEYMAP



MATERIALS PLAN | 1" = 20'-0" | 05

LPA
ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

LICENSED LANDSCAPE ARCHITECT — MICHAEL NICHALEE — 5624 — 03/31/2026 — 11/14/2025 — STATE OF CALIFORNIA

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TRACK AND FIELD REPLACEMENT

5670 TELEGRAPH ROAD
VENTURA, CA 93003

Developed for
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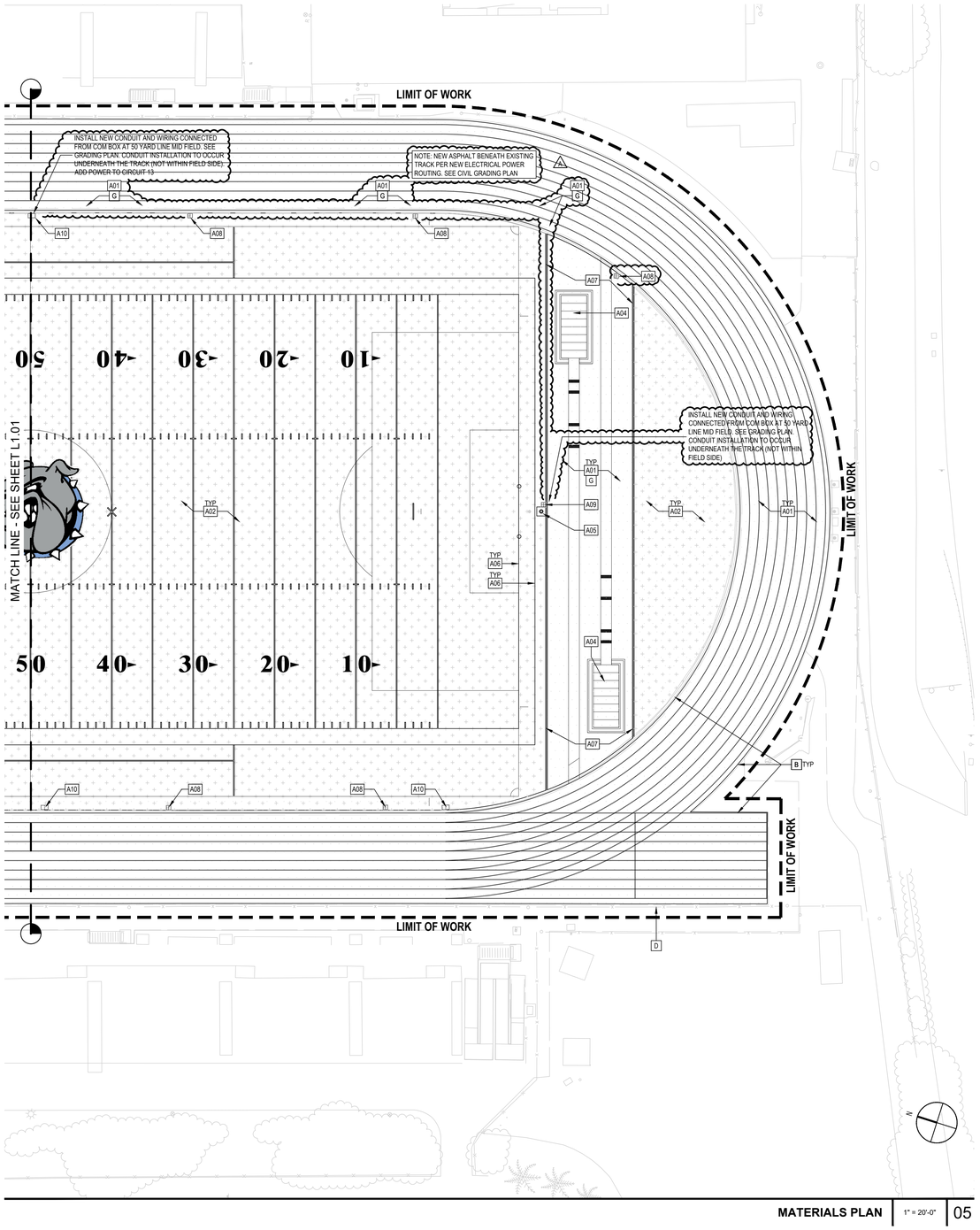
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ADDENDUM A	11/14/2025

Submittal	Date
SCHEMATIC DESIGN	11/22/2024
DSA SUBMITTAL #1	01/30/2025
DSA SUBMITTAL #2	04/01/2025

Job Number	32210
Checked By	MM | CA
Scale	1" = 20'-0"

MATERIALS PLAN

L1.01



MATERIALS PLAN | 1" = 20'-0" | 05

MATERIALS KEYNOTE LEGEND

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05	HANDRAIL AT RAMP	01/ L5.02	GALVANIZED
06	CHAINLINK DOUBLE SWING GATE	17/ L5.02	GALVANIZED

ATHLETIC KEYNOTES

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
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A03	POLE VAULT LAYOUT	09/ L5.04	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A04	LONG JUMP / TRIPLE JUMP LAYOUT	01/ L5.04	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A05	FOOTBALL GOAL POST	17/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A06	TRACK & FIELD STRIPING AND LOGOS	01/ L5.05	PER FINAL APPROVED CMAS SHOP DRAWINGS (A)
A07	CONCRETE CURB @ D-ZONE	08/ L5.03	NATURAL GRAY/ LIGHT BROOM
A08	QCV BOX	06/14/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A09	ELEC BOX	(A) 13/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A10	COM BOX	07/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01

REFERENCE KEYNOTE LEGEND

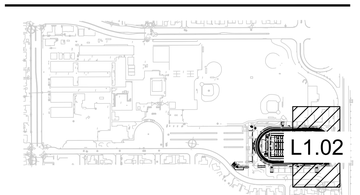
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B	EXISTING CURB		PROTECT IN PLACE
C	EXISTING WALL		PROTECT IN PLACE
D	EXISTING FENCE		PROTECT IN PLACE
E	EXISTING UTILITY		PROTECT IN PLACE
F	EXISTING TREE		PROTECT IN PLACE
G	A.C. PAVING	PER CIVIL	
H	ADA SIGNAGE	16/ C2.01	
J	PAVEMENT STRIPING	20/ C2.01	
K	WHEEL STOP	03/ C2.01	
L	ADA EMBLEM	12/ C2.01	
M	ZERO CURB FACE	02/ C2.01	
N	UNAUTHORIZED VEHICLE SIGN	08/ C2.01	
O (A)	CONCRETE VERTICAL CURB	02/ C2.01	

SITE SYMBOLS LEGEND

SYM.	DESCRIPTION	SYM.	DESCRIPTION	DET.
	FIRE HYDRANT - PER CIVIL		SAWCUT JOINT	02/ L5.01
	CATCH BASIN - PER CIVIL		EXPANSION JOINT	02/ L5.01
CO	CLEAN OUT - PER CIVIL		MATCHLINE	
MH	MAN HOLE - PER CIVIL		PROPERTY LINE/ RIGHT OF WAY	
	DIRECTION OF RAMP; DOWN SLOPE	T.O.S.	TOP OF SLOPE	
+	EXISTING TREE PROTECT IN PLACE	B.O.S.	BOTTOM OF SLOPE	
PA	PLANTING AREA	F.O.B.	FACE OF BUILDING	
	ALIGN	F.O.C.	FACE OF CURB	

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KEYMAP



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LANDSCAPE ARCHITECTURE PLANNING
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LPADesignStudios.com
5301 California Avenue, Suite 100
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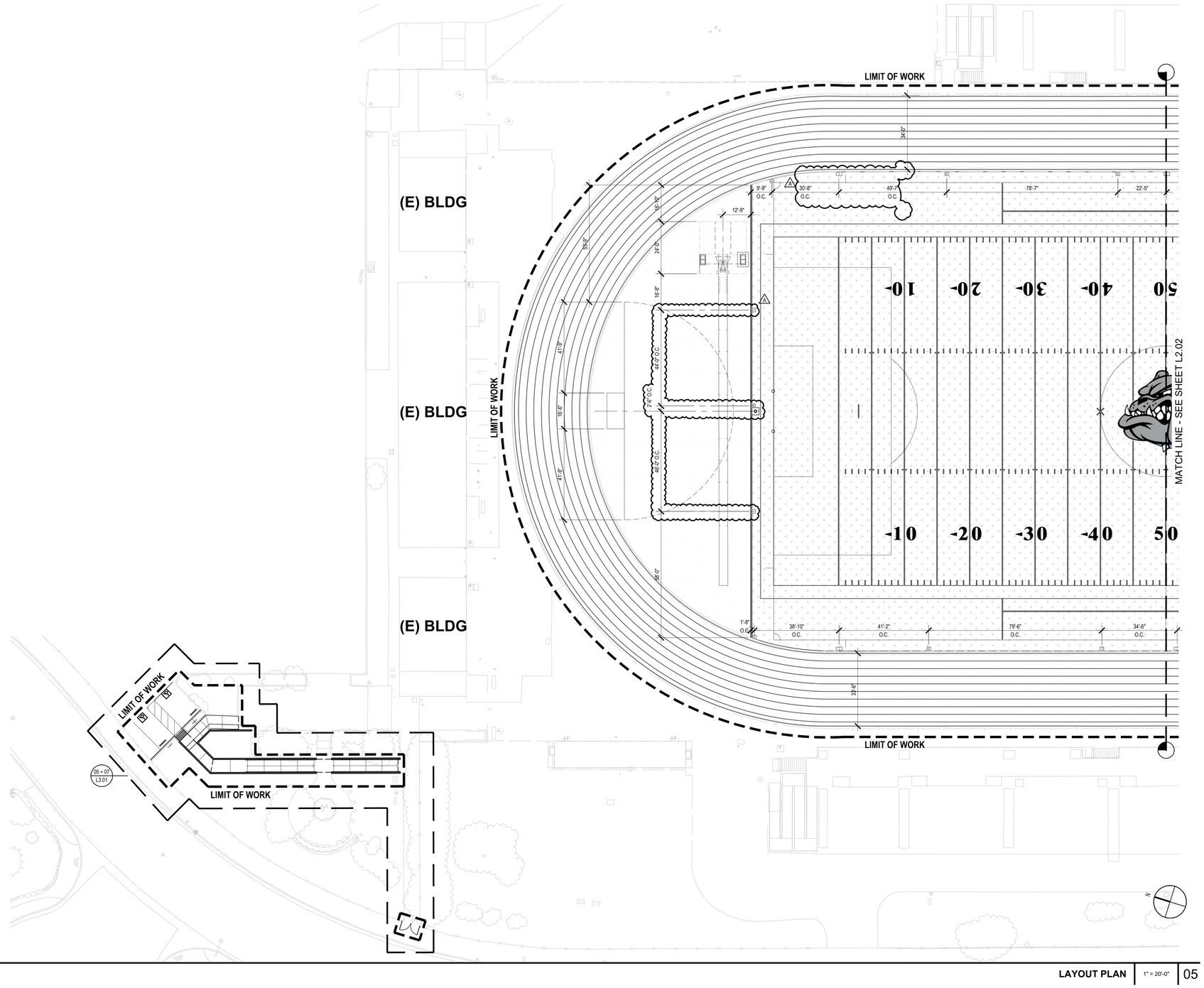
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ADDENDUM A	11/14/2025

Submittal	Date
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DSA SUBMITTAL #1	01/30/2025
DSA SUBMITTAL #2	04/01/2025

Job Number	32210
Checked By	MM | CA
Scale	1" = 20'-0"

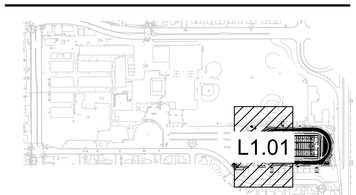
MATERIALS PLAN

L1.02



LAYOUT PLAN | 1" = 20'-0" | 05

KEYMAP



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5301 California Avenue, Suite 100
Irvine, California 92617

LICENSED LANDSCAPE ARCHITECT
MICHAEL MICHALEC
No. 6559
7/31/2026
11/14/2025
STATE OF CALIFORNIA

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TRACK AND FIELD REPLACEMENT

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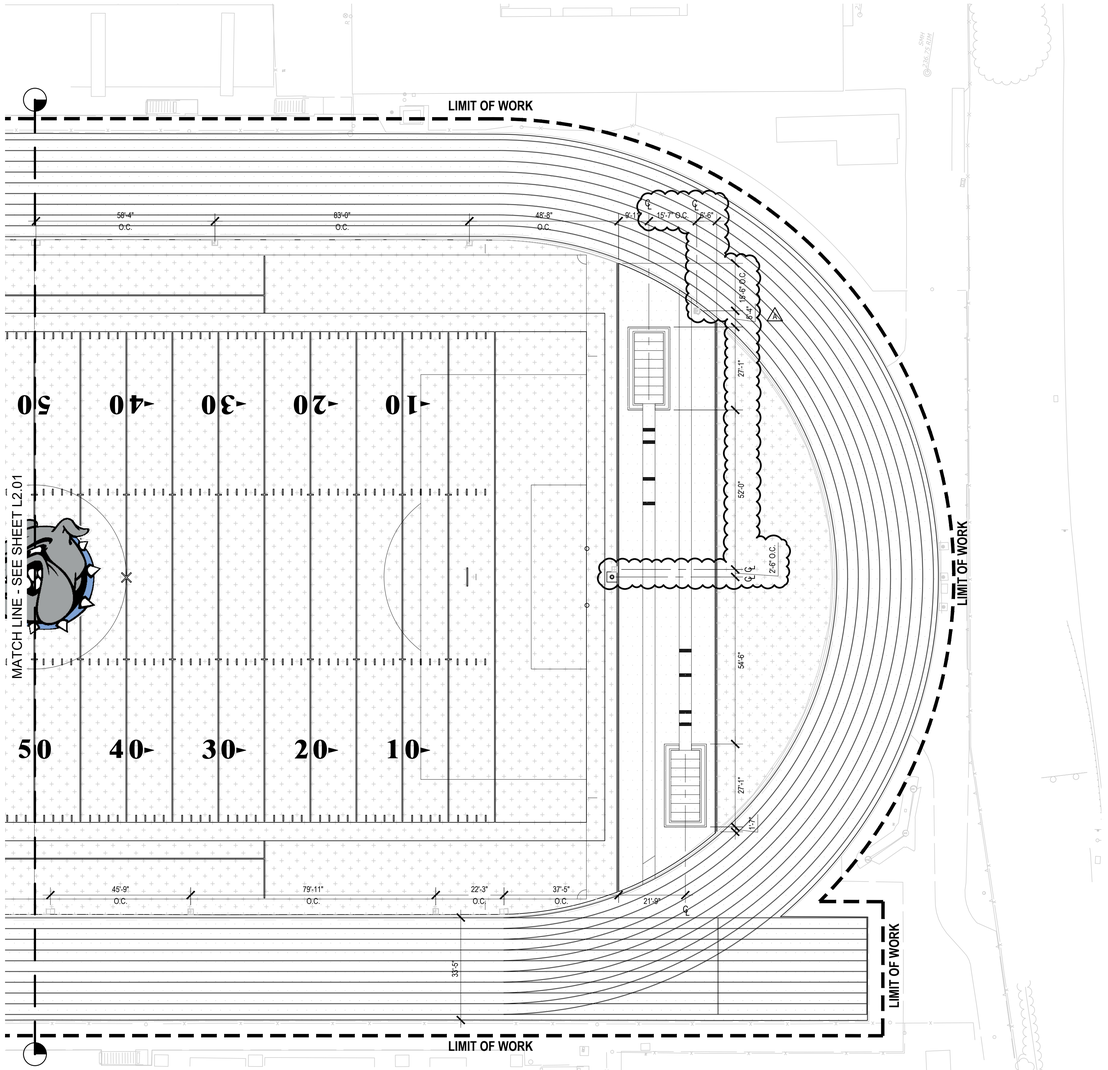
Revision	Date
ADDENDUM A	11/14/2025

Submittal	Date
SCHEMATIC DESIGN	11/22/2024
DSA SUBMITTAL #1	01/30/2025
DSA SUBMITTAL #2	04/01/2025

Job Number	32210
Checked By	MM | CA
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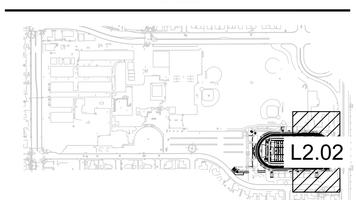
LAYOUT PLAN

L2.01



MATERIALS PLAN | 1" = 20'-0" | 05

KEYMAP



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949-261-1001 Office

LPADesignStudios.com

5301 California Avenue, Suite 100
Irvine, California 92617

LICENSED LANDSCAPE ARCHITECT
MICHAEL MICHALEC
No. 5600
STATE OF CALIFORNIA
11/14/2025

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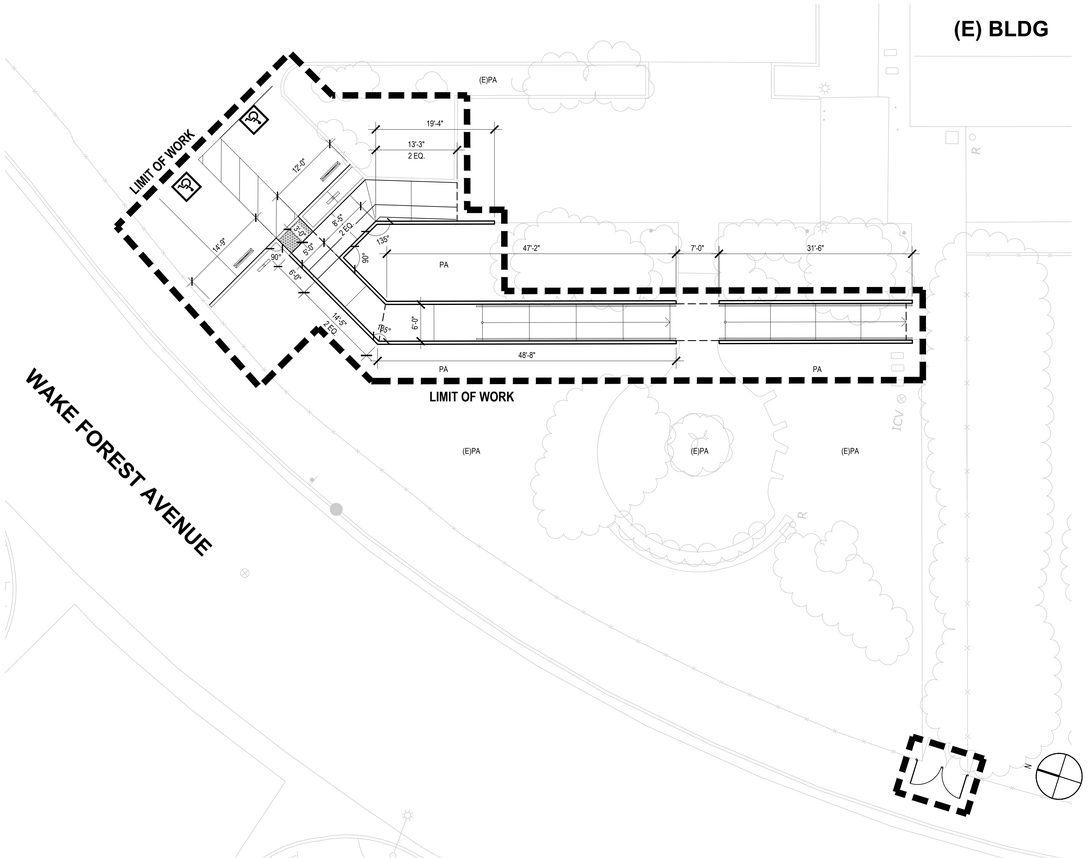
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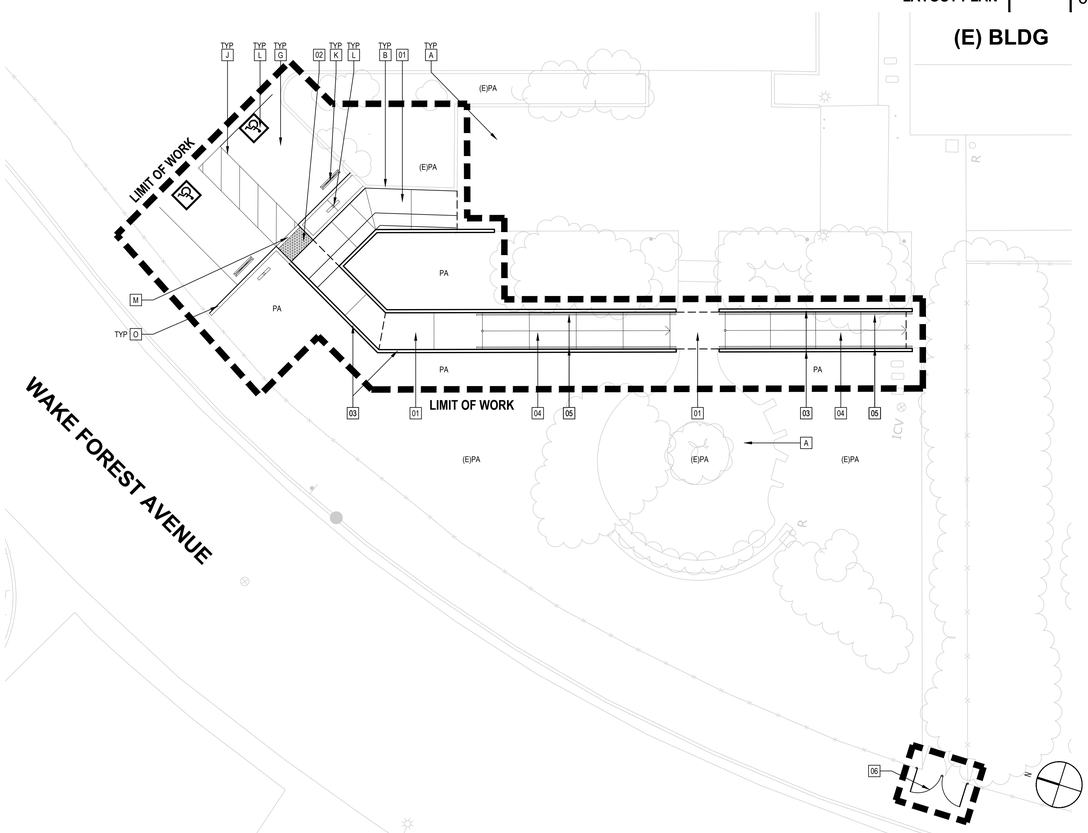
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SCHEMATIC DESIGN	11/22/2024
DSA SUBMITTAL #1	01/30/2025
DSA SUBMITTAL #2	04/01/2025

Job Number	32210
Checked By	MM | CA
Scale	1" = 20'-0"

LAYOUT PLAN

L2.02





MATERIALS KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
01	CONCRETE PAVING	01/ L5.01	NATURAL GRAY/ MEDIUM BROOM
02	TRUNCATED DOME PAVERS	09/ L5.01	FEDERAL YELLOW (A-40) FINISH
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04	CONCRETE RAMP	01/ L5.01	NATURAL GRAY/ MEDIUM BROOM
05	HANDRAIL AT RAMP	01/ L5.02	GALVANIZED
06	CHAINLINK DOUBLE SWING GATE	17/ L5.02	GALVANIZED

ATHLETIC KEYNOTES

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
A01	RUBBERIZED TRACK SURFACING	04/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A02	SYNTHETIC TURF SURFACING	01/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A03	POLE VAULT LAYOUT	09/ L5.04	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A04	LONG JUMP / TRIPLE JUMP LAYOUT	01/ L5.04	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A05	FOOTBALL GOAL POST	17/ L5.05	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A06	TRACK & FIELD STRIPING AND LOGOS	01/ L5.05	PER FINAL APPROVED CMAS SHOP DRAWINGS (A)
A07	CONCRETE CURB @ D-ZONE	08/ L5.03	NATURAL GRAY/ LIGHT BROOM
A08	QCV BOX	06/14/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A09	ELEC BOX	(A) 13/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01
A10	COM BOX	07/ L5.03	REFER TO SPORTS EQUIPMENT LEGEND L0.01

REFERENCE KEYNOTE LEGEND

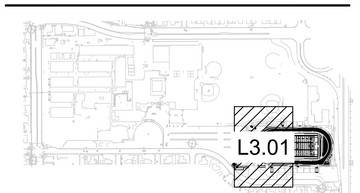
NOTE	DESCRIPTION	DET/ SHT	COMMENTS
A	EXISTING PAVING		PROTECT IN PLACE
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G	A.C. PAVING	PER CIVIL	
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K	WHEEL STOP	03/ C2.01	
L	ADA EMBLEM	12/ C2.01	
M	ZERO CURB FACE	02/ C2.01	
N	UNAUTHORIZED VEHICLE SIGN	08/ C2.01	
O	CONCRETE VERTICAL CURB	02/ C2.01	(A)

SITE SYMBOLS LEGEND

SYM.	DESCRIPTION	SYM.	DESCRIPTION	DET.
	FIRE HYDRANT - PER CIVIL		SAWCUT JOINT	02/ L5.01
	CATCH BASIN - PER CIVIL		EXPANSION JOINT	02/ L5.01
CO	CLEAN OUT - PER CIVIL		MATCHLINE	
MH	MAN HOLE - PER CIVIL		PROPERTY LINE/ RIGHT OF WAY	
	DIRECTION OF RAMP; DOWN SLOPE	T.O.S.	TOP OF SLOPE	
	EXISTING TREE PROTECT IN PLACE	B.O.S.	BOTTOM OF SLOPE	
PA	PLANTING AREA	F.O.B.	FACE OF BUILDING	
	ALIGN	F.O.C.	FACE OF CURB	

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KEYMAP



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5301 California Avenue, Suite 100
Irvine, California 92617

LICENSED LANDSCAPE ARCHITECT
MICHAEL MICHALEC-TEETER
No. 6406
12/31/2026
11/14/2025
STATE OF CALIFORNIA

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BUENA HIGH SCHOOL TRACK AND FIELD REPLACEMENT

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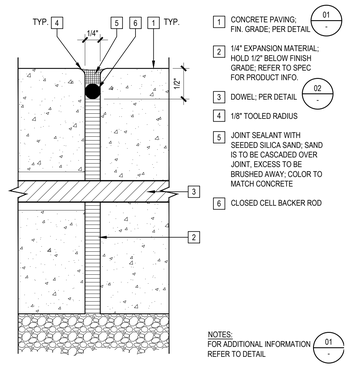
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ADDENDUM A	11/14/2025

Submittal	Date
SCHEMATIC DESIGN	11/22/2024
DSA SUBMITTAL #1	01/30/2025
DSA SUBMITTAL #2	04/01/2025

Job Number	32210
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Scale	1" = 20'-0"

MATERIALS AND LAYOUT ENLARGEMENT PLAN

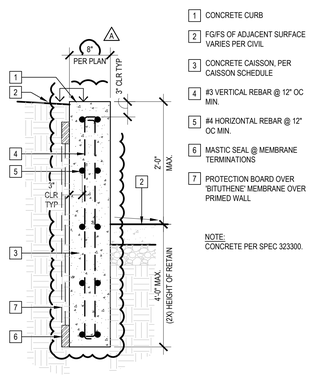
L3.01



1. CONCRETE PAVING; FIN. GRADE; PER DETAIL 01/-
2. 1/4" EXPANSION MATERIAL; HOLD 1/2" BELOW FINISH GRADE; REFER TO SPEC FOR PRODUCT INFO.
3. DOWEL; PER DETAIL 02/-
4. 1/8" TOOLED RADIUS
5. JOINT SEALANT WITH SEEDED SILICA SAND; SAND IS TO BE CASCADED OVER JOINT, EXCESS TO BE BRUSHED AWAY; COLOR TO MATCH CONCRETE
6. CLOSED CELL BACKER ROD

NOTES:
FOR ADDITIONAL INFORMATION REFER TO DETAIL 01/-

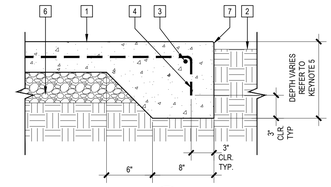
EXPANSION JOINT ENLARGEMENT — N.T.S. - — 04



1. CONCRETE CURB
2. FG/FS OF ADJACENT SURFACE VARIES PER CIVIL
3. CONCRETE CAISSON, PER CAISSON SCHEDULE
4. #3 VERTICAL REBAR @ 12" OC MIN.
5. #4 HORIZONTAL REBAR @ 12" OC MIN.
6. MASTIC SEAL @ MEMBRANE TERMINATIONS
7. PROTECTION BOARD OVER 'SITUTHENE' MEMBRANE OVER PRIMED WALL

NOTE:
CONCRETE PER SPEC 323300.

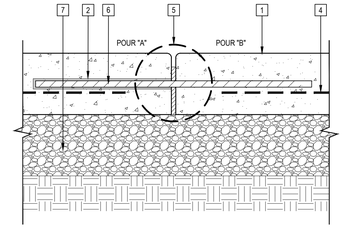
CONCRETE RETAINING CURB — 1" = 1'-0" — 11



1. CONCRETE PAVING; REFER TO DTL 01/-
2. ADJACENT SURFACE/ FINISH GRADE; REFER TO PER MATERIALS PLAN
3. #4 REINFORCING; CONTINUOUS
4. EXTEND REINFORCEMENT FROM PAVING INTO THICKENED EDGE & WRAP ENDS
5. THICKENED EDGE; 9" DEPTH FOR PEDESTRIAN PAVING;
6. BASE MATERIAL & COMPACTED SUBGRADE; REFER TO DTL 01/-
7. EASE ALL EDGES; 1/4"R, TYP.

NOTE:
FOR EDGE CONDITION ADJACENT TO VERTICAL SURFACE REFER TO DTL 08/-

CONC. PAVING THICKENED EDGE — 1 1/2" = 1'-0" — 07



A. SAWCUT CONTROL JOINT

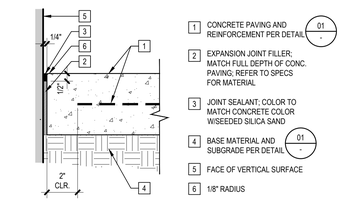
B. EXPANSION JOINT

1. CONCRETE PAVING; REFER TO DETAIL 01/-
2. SPEED DOWEL; BY SIKA CORPORATION CONCRETE ACCESSORIES; PRODUCT # PSD12/ #4TX
3. SAWCUT CONTROL JOINT; 1/8-INCH WIDE; CUT TO 1/4 DEPTH OF SLAB; PROVIDE TIGHT 1/8-INCH RADIUS ON EDGE OF PAVING BEFORE SAWCUTTING.
4. CONCRETE PAVING REINFORCEMENT; REFER TO DETAIL 01/-
5. JOINT ENLARGEMENT; REFER TO DETAIL 04/-
6. PEDESTRIAN: 3"Ø SMOOTH STEEL DOWEL; 18" @ 18" O.C. VEHICULAR: 3"Ø SMOOTH STEEL DOWEL; 18" @ 18" O.C.
7. AGGREGATE BASE AND SUBGRADE; REFER TO PAVING DETAIL 01/-

NOTES:
A. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.

B. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

CONCRETE PAVING JOINTS — 3" = 1'-0" — 02



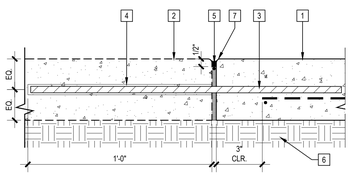
1. CONCRETE PAVING AND REINFORCEMENT PER DETAIL 01/-
2. EXPANSION JOINT FILLER; MATCH FULL DEPTH OF CONC. PAVING; REFER TO SPECS FOR MATERIAL
3. JOINT SEALANT; COLOR TO MATCH CONCRETE COLOR W/SEEDED SILICA SAND
4. BASE MATERIAL AND SUBGRADE PER DETAIL 01/-
5. FACE OF VERTICAL SURFACE
6. 1/8" RADIUS

NOTES:
A. PROVIDE EXPANSION JOINT AT ALL VERTICAL SURFACES.

B. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.

C. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

EXPANSION JOINT AT VERTICAL SURFACE — 3"=1'-0" — 06



1. NEW CONCRETE PAVING AND REINFORCEMENT; REFER TO DTL 01/-
2. EXISTING CONCRETE PAVING
3. 1/2" X 24" SMOOTH STEEL DOWEL AT 18" O.C.
4. 5/8" SLIP SLEEVE DRILLED INTO EXISTING CONCRETE PAVING; DOWEL TO HAVE FREE MOVEMENT ON THIS SIDE
5. JOINT SEALANT WITH BACKER ROD
6. BASE MATERIAL AND COMPACTED SUBGRADE; REFER TO DTL 01/-
7. 1/8" RADIUS; AT NEW CONCRETE PAVING

NOTES:
A. PROVIDE AT ALL LOCATIONS WHERE NEW CONCRETE JOINS EXISTING CONCRETE.

B. PROVIDE CLEAN SAWCUT AT EXISTING PAVING. EXTEND PROPOSED PAVING AS REQUIRED TO CLOSEST ADJACENT JOINT.

C. SEE CIVIL PLANS FOR LIMIT OF DEMOLITION.

D. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.

E. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

CONCRETE PAVING TIE-IN — 3"=1'-0" — 05

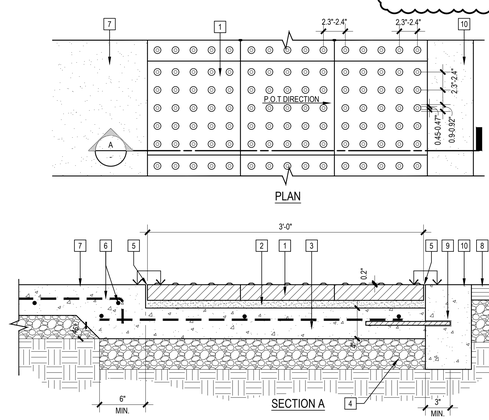
1. CONCRETE PAVING AND REINFORCEMENT PER DETAIL 01/-
2. EXPANSION JOINT FILLER; MATCH FULL DEPTH OF CONC. PAVING; REFER TO SPECS FOR MATERIAL
3. JOINT SEALANT; COLOR TO MATCH CONCRETE COLOR W/SEEDED SILICA SAND
4. BASE MATERIAL AND SUBGRADE PER DETAIL 01/-
5. FACE OF VERTICAL SURFACE
6. 1/8" RADIUS

NOTES:
A. PROVIDE EXPANSION JOINT AT ALL VERTICAL SURFACES.

B. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.

C. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

CONCRETE PAVING — 3" = 1'-0" — 01



1. PRE-CAST TRUNCATED DOME TILES. COLOR TO BE FEDERAL YELLOW (33538) OF SAE AMSSTD-595A. SHALL COMPLY WITH CBC 11B-247, 11B-250, 11B-705
2. MORTAR SETTING BED PER MANUF.
3. CONCRETE PAVING PER 01/-
4. BASE MATERIAL & COMPACTED SUBGRADE 01/-
5. EXPANSION JOINT PER 02/-
6. #3 REBAR AT 18" O.C. EACH WAY
7. FINISH SURFACE; REFER TO MATERIALS PLAN
8. ADJACENT PAVING; REFER TO MATERIALS PLAN
9. DRILLED 5/8" DIA. SLIP SLEEVE AT CONCRETE FLUSH BAND; DOWEL TO HAVE FREE MOVEMENT AT THIS SIDE.
10. FLUSH CONCRETE CURB; PER CIVIL DWG'S.

NOTE:
A. TOTAL LENGTH OF TRUNCATED DOME TILES PER PLAN.

B. TRUNCATED DOME TILES ARE TO CONFORM TO STATE ACCESSIBILITY STANDARDS. CONTRACTOR TO VERIFY STANDARDS PRIOR TO INSTALLATION.

C. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACE. EITHER LIGHT ON DARK OR DARK ON LIGHT.

TRUNCATED DOME PAVERS — 1 1/2" = 1'-0" — 09

LPA
ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

LICENSED LANDSCAPE ARCHITECT — MICHAEL CHALLIS — 5230 — 11/14/2025 — STATE OF CALIFORNIA

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BUENA HIGH SCHOOL TRACK AND FIELD REPLACEMENT

5670 TELEGRAPH ROAD
VENTURA, CA 93003

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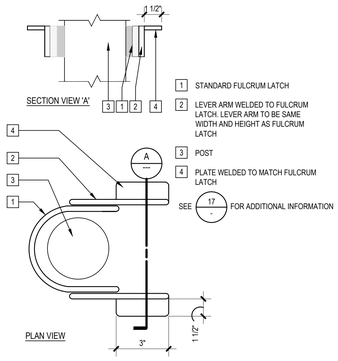
Revision	Date
ADDENDUM A	11/14/2025

Submittal	Date
SCHEMATIC DESIGN	11/22/2024
DSA SUBMITTAL #1	01/30/2025
DSA SUBMITTAL #2	04/01/2025

Job Number	32210
Checked By	MM | CA
Scale	AS NOTED

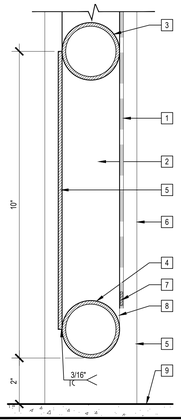
CONSTRUCTION DETAILS

L5.01



1 STANDARD FULCRUM LATCH
2 LEVER ARM WELDED TO FULCRUM LATCH. LEVER ARM TO BE SAME WIDTH AND HEIGHT AS FULCRUM LATCH
3 POST
4 PLATE WELDED TO MATCH FULCRUM LATCH
SEE 17 FOR ADDITIONAL INFORMATION

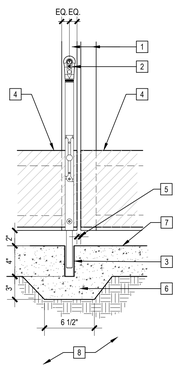
MODIFIED FULCRUM LATCH | N.T.S. - | 23



1 CHAIN LINK FABRIC
2 GATE FRAME; REFER TO DTL 17
3 GATE KICK PLATE TOP RAIL
4 GATE KICK PLATE BOTTOM RAIL
5 KICK PLATE: 1/8" THICK. MOUNT FLUSH AND WELD TO ALL GATE FRAME AND RAIL SURFACES ON THE PUSH SIDE OF GATE
6 CHAIN LINK GATE POST (BEYOND)
7 BOTTOM TENSION WIRE; ATTACHED TO SIDE GATE FRAMES
8 TIE-WIRE
9 FINISH GRADE

NOTES:
A. CLEAN ALL WELDS, GRIND SMOOTH, FREE OF BURS.
B. MATCH GATE & FENCE COLOR AND FINISH.

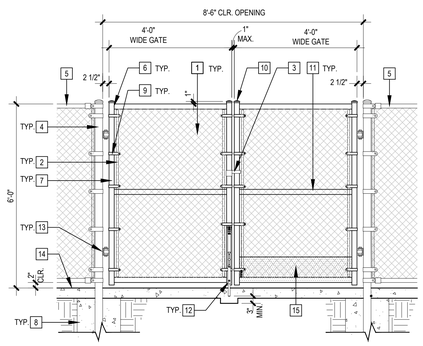
CHAIN LINK GATE KICK PLATE | 6" = 1'-0" - | 22



1 GATE FRAME
2 KEY LOCKABLE DROP BOLT BY LOCINOX. COLOR RAL 9005. INSTALL ONTO GATE FRAME OR STEEL KICKPLATE (WHEN OCCURS)
3 1" I.D. GALVANIZED PIPE SLEEVE SET IN CONCRETE.
4 STEEL KICKPLATE (WHERE OCCURS) PER 22
5 DIMENSION VARIES - 1/2" @ GATES WITH PANIC HARDWARE. 2" @ STANDARD/WHEELED GATES
6 THICKENED CONCRETE SECTION
7 FINISH SURFACE
8 COMPACTED SUBGRADE

NOTES:
A. ALL HARDWARE FINISH & COLOR TO MATCH GATE.
B. PROVIDE DISTRICT APPROVED LOCK FOR EACH CANE BOLT. LOCKS TO BE KEYED THE SAME. PROVIDE DUPLICATE KEYS FOR OWNER.
C. PROVIDE SLEEVE FOR BOTH OPEN & CLOSED POSITION, TYP. ALL GATES. OPEN POSITION IS 180 DEGREES OR THE FURTHEST ANGLE ALLOWABLE.

CANE BOLT | 1 1/2"=1'-0" | 18

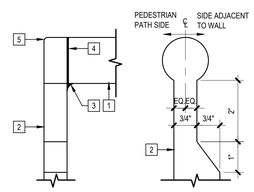


NOT FOR DSA SS APPROVAL PER IR-A22

1 CHAIN LINK FENCE FABRIC; 2" - 9 GA.; ATTACHE TO GATE TOP AND BOTTOM FRAME WITH RAIL TIE WIRE; COLOR PER MATERIALS PLAN KEYNOTE LEGEND
2 TENSION BAR; THREAD TENSION BAR TO CHAIN LINK & ATTACH TO GATE FRAME WITH TENSION BANDS; TYP.
3 MODIFIED FULCRUM LATCH — 23
4 POST: 4" O.D. SCH. 40; EACH SIDE OF GATE
5 EXISTING CHAIN LINK FENCE
6 ALL JOINTS WELDED CONTINUOUS TO MAKE A SOLID FRAME.
7 GATE FRAME: 1-7/8" O.D. SCH. 40
8 EXISTING CONCRETE POST FOOTING
9 TENSION BAND
10 GATE FRAME POST CAP TO MATCH FENCE POST CAP
11 MID FRAME: 1-7/8" O.D. SCH. 40
12 LOCKABLE CANE BOLT; REFER TO DTL 18
13 WELD-ON HINGE: CI3000
14 FINISH GRADE
15 CHAIN LINK GATE KICK PLATE; REFER TO DTL 22

NOTES:
A. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.
B. PROVIDE TWO PART URETHANE COATING SYSTEM FOR ALL GATE COMPONENT TO MATCH FENCE COLOR.
C. ALL WELDS TO BE GROUND SMOOTH AND CONTINUOUS, FREE OF BURS.

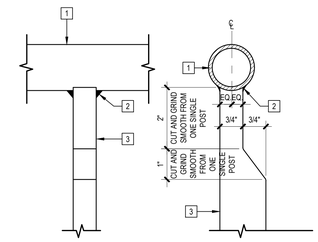
DOUBLE SWING CHAIN LINK GATE WITH LOCKABLE CANE BOLTS | 1/2" = 1'-0" - | 17



1 1.66" O.D. SCH. 40 STEEL PIPE. A
2 1-1/2" X 1/4" THICK SOLID STOCK STEEL POST.
3 CONTINUOUS FILLET WELD A
4 CONTINUOUS 1/4" FILLET WELD ALL AROUND; GRIND SMOOTH
5 1/8" MIN. RADIUS, TYP.

NOTES:
A. DETAIL 01 (THIS SHEET) NOTES APPLY.

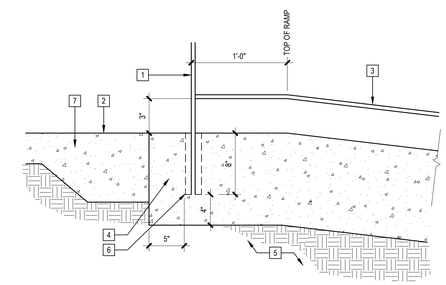
HANDRAIL END CONNECTION | 6" = 1'-0" - | 07



1 1.660" O.D. SCH. 40 STEEL PIPE. A
2 CONTINUOUS 1/4" FILLET WELD BOTTOM SIDE ONLY.
3 1-1/2" x 3/4" THICK SOLID STOCK STEEL 'SINGLE' POST. (WELDING OF POSTS TOGETHER SHALL NOT BE ACCEPTABLE) A

NOTES:
A. DETAIL 01 (THIS SHEET) NOTES APPLY.

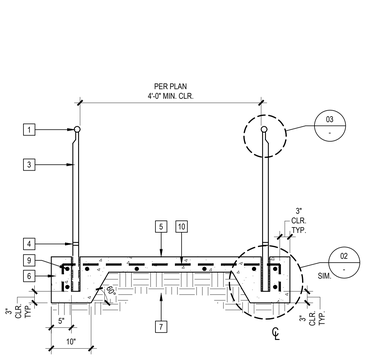
HANDRAIL MID CONNECTION | 6"=1'-0" - | 03

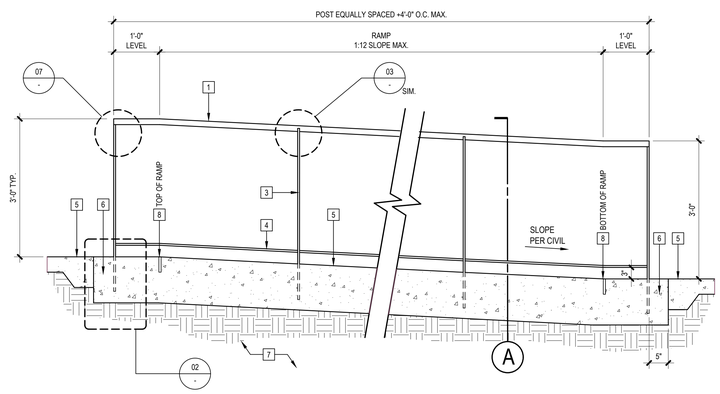


1 1-1/2"" x 3/4" THICK SOLID STEEL POST A
2 FINISH SURFACE.
3 1-1/2" x 3/4" THICK SOLID STOCK STEEL BOTTOM RAIL. A
4 CONCRETE PAVING 01 L5.01
5 BASE MATERIAL AND COMPACTED SUBGRADE PER 01 L5.01
6 CAST IN PLACE, CORE DRILL OR PROVIDE KNOCKOUT. SET POSTS WITH NON SHRINK GROUT
7 CONCRETE PAVING THICKENED EDGE 07 L5.01

NOTES:
A. DETAIL 01 (THIS SHEET) NOTES APPLY.

RAMP HANDRAIL EMBDEDMENT | 1 1/2" = 1'-0" - | 02





1 1.66" O.D. SCH. 40 STEEL PIPE. A
2 NOT USED
3 1-1/2" x 3/4" THICK SOLID STOCK STEEL POST. A
4 1-1/2" x 3/4" THICK SOLID STOCK STEEL BOTTOM RAIL.
5 CONCRETE PAVING; FINISH GRADE
6 RAMP HANDRAIL EMBEDMENT 02
7 BASE MATERIAL AND COMPACTED SUBGRADE PER GEOTECHNICAL REPORT.
8 TOP OF RAMP/BOTTOM OF RAMP; CONCRETE PAVING JOINT 02 L5.01
9 #3 @ 12" O.C.; CENTERED ON SLAB
10 #3 W/ HOOK EA END EA SIDE OF POST SLEEVE AND @ 12" O.C. THROUGHOUT

NOTES:
A. ALL COMPONENTS ARE TO BE GALVANIZED STEEL; HIGH PERFORMANCE PAINTED, SEE SPECS.
B. GRIND ALL WELDS SMOOTH; FILLET WELDS SHALL NOT BE GROUND FLUSH.
C. 1/8" EDGES TYPICAL ALL CORNERS
D. COLD GALVANIZED ALL FIELD WELDS.
E. ALL HANDRAILS TO BE 4" MIN. FROM ADJACENT VERTICAL SURFACE UNLESS OTHERWISE NOTED ON PLAN.
F. PROVIDE HANDRAILS ON BOTH SIDES OF RAMP, TYPICAL. HANDRAILS, GUARDRAILS, AND MODULAR OR RELOCATABLE RAMPS ASSOCIATED WITH WALKING SURFACES LESS THAN 30" ABOVE ADJACENT GRADE ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.

HANDRAIL @ RAMP | 3/4"=1'-0" - | 01

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ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

LICENSED LANDSCAPE ARCHITECT — MICHAEL R. MICHALEC — No. 5006 — 12/31/2026 — 11/14/2025 — STATE OF CALIFORNIA

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TRACK AND FIELD REPLACEMENT

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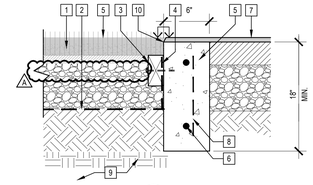
Revision	Date
ADDENDUM A	11/14/2025

Submittal	Date
SCHEMATIC DESIGN	11/22/2024
DSA SUBMITTAL #1	01/30/2025
DSA SUBMITTAL #2	04/07/2025

Job Number	32210
Checked By	MM | CA
Scale	AS NOTED

CONSTRUCTION DETAILS

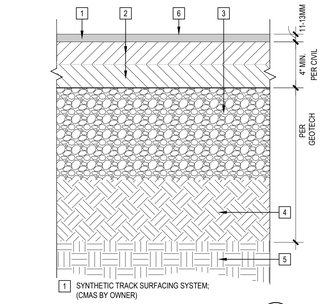
L5.02



1 SYNTHETIC TURF SYSTEM (01)
2 2X4X16 TREX HEADER ATTACHED W/ ZINC-PLATED & CERAMIC COATED 1/4"X4" MASONRY SCREW 4' MAX O.C. AND NO FURTHER THAN 6" FROM EACH END
3 ATTACH EXISTING TURF FABRIC TO NAILER PER TURF MANUFACTURER'S RECOMMENDATIONS
4 INFILL FLUSH W/ ADJACENT PERIMETER CURB
5 CONCRETE CURB
6 (2) #4 CONTINUOUS HORIZONTAL REBAR
7 TRACK SURFACING PER (04)
8 #4 @ 18" O.C.
9 SUBGRADE
10 ADA ACCESSIBLE ROLLED EDGE 1/2" MAX. 45 DEGREE CHAMFER, TYP. @ PERIMETER OF TRACK SURFACING, TYP.

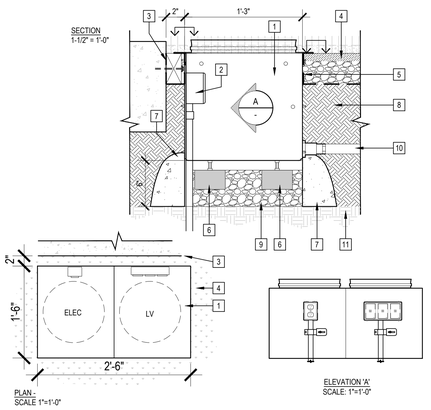
NOTE:
A. NOT PART OF DSA APPROVAL IN ACCORDANCE WITH DSA IRA-22

CONCRETE CURB @ D-ZONE — 1 1/2" = 1'-0" — 08



1 SYNTHETIC TRACK SURFACING SYSTEM; (CMAS BY OWNER)
2 AC TRACK PAVING COMPRISED OF A TWO LIFT SYSTEM (-/C2.01) REFER TO
3 AGGREGATE BASE PER (01/L5.01)
4 OVER-EXCAVATED & COMPACTED SUBGRADE PER (01/L5.01)
5 NATIVE UNDISTURBED SUBGRADE
6 ADA ACCESSIBLE ROLLED EDGE; SEE SIM. (08)

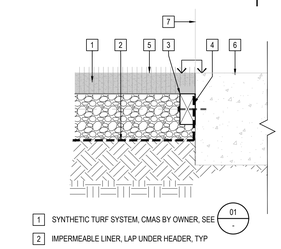
RUBBERIZED TRACK SURFACING — 3"=1'-0" — 04



1 HALF COM UTILITY BOX WITH TURF LID PER L0.01 SPORTS EQUIP. LEGEND
2 SECURE 20 A DUPLEX GFCI POWER OUTLET IN OUTDOOR RATED NEMA BOX WITH LOCKING COVER. CONNECT POWER PER ELECTRICAL.
3 SYNTHETIC TURF @ CONCRETE (WHERE OCCURS) (03)
4 SYNTHETIC TURF SYSTEM (01)
5 WRAP SYNTHETIC TURF IMPERMEABLE LINER UP UNDER NAILER BOARD
6 PROVIDE BRICKS AT ALL FOUR CORNERS OF THE BOX DIRECTLY BELOW LEVELING BOLTS
7 4500 PSI CONCRETE BACKING TO SEAL-OFF VOID UNDER BOX
8 COMPACTED SUBGRADE PER GEOTECH
9 3/4" CRUSHED DRAIN ROCK
10 1" PVC STUB, CONNECT TO PERIMETER STORM DRAIN PER CIVIL
11 UNDISTURBED SUBGRADE
12 PROVIDE 3-GANG WEATHERPROOF GREENFIELD DB373PS BOX AND HUBBEL MX3050S WEATHERPROOF METAL COVER FOR SCOREBOARD 6-PIN D CONNECTORS, RCA CONNECTORS AND AUDIO AUXILIARY

NOTES:
A. WHERE MULTIPLE UTILITY BOXES OCCUR THERE SHALL BE 8" MIN SEPARATION AND 8" SEPARATION FROM ADJACENT PAVING. COORDINATE PLACEMENT OF BOX TO AVOID ALL FOOTINGS.
C. INFILL AND ATTACHED SYNTHETIC TURF IN BOX LID PER MANUF. RECOMMENDATION
D. ATTACH SYNTHETIC TURF TO BOX PER MANUF. RECOMMENDATION.

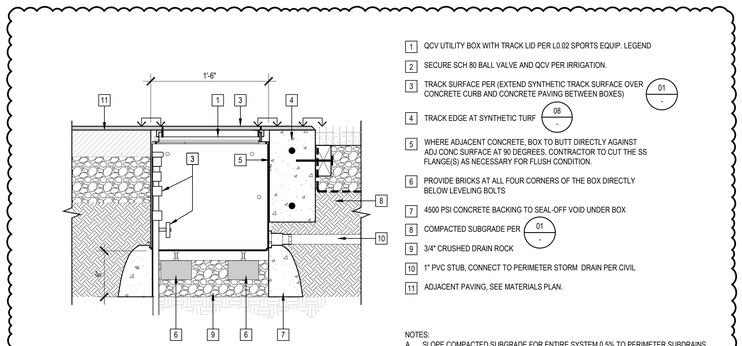
SYNTHETIC TURF UTITILY BOX - FULL COM — 1 1/2" = 1'-0" — 07



1 SYNTHETIC TURF SYSTEM, CMAS BY OWNER, SEE (01)
2 IMPERMEABLE LINER, LAP UNDER HEADER, TYP
3 2X4X16 TREX HEADER ATTACHED W/ ZINC-PLATED & CERAMIC COATED 1/4"X4" MASONRY SCREW 4'-0" MAX O.C. AND NO FURTHER THAN 6" FROM EACH END.
4 ATTACH TURF FABRIC TO NAILER PER TURF MANUFACTURER'S RECOMMENDATIONS
5 INFILL FLUSH W/ ADJACENT CONCRETE PAVING.
6 EXISTING PAVEMENT TO REMAIN AND BE PROTECTED
7 EXISTING CONCRETE WALL TO REMAIN AND BE PROTECTED (WHERE OCCURS)

NOTE:
A. CONTRACTOR SHALL SAWCUT, CHIP OR CLEAN EXISTING PAVING TO ACCOMMODATE NEW TREX HEADER. SHORE EXCAVATIONS AND PROPERLY SUPPORT EXISTING STRUCTURES DURING EXCAVATION.

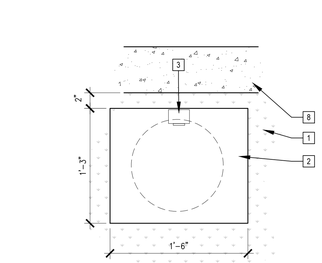
SYNTHETIC TURF @ EXISTING PAVING — 1 1/2"=1'-0" — 03



1 QCV UTILITY BOX WITH TRACK LID PER L0.02 SPORTS EQUIP. LEGEND
2 SECURE SCH 80 BALL VALVE AND QCV PER IRRIGATION.
3 TRACK SURFACE PER (01) (EXTEND SYNTHETIC TRACK SURFACE OVER CONCRETE CURB AND CONCRETE PAVING BETWEEN BOXES)
4 TRACK EDGE AT SYNTHETIC TURF (08)
5 WHERE ADJACENT CONCRETE, BOX TO BUTT DIRECTLY AGAINST ADJ CONC SURFACE AT 90 DEGREES. CONTRACTOR TO CUT THE SS FLANGE(S) AS NECESSARY FOR FLUSH CONDITION.
6 PROVIDE BRICKS AT ALL FOUR CORNERS OF THE BOX DIRECTLY BELOW LEVELING BOLTS
7 4500 PSI CONCRETE BACKING TO SEAL-OFF VOID UNDER BOX
8 COMPACTED SUBGRADE PER (01)
9 3/4" CRUSHED DRAIN ROCK
10 1" PVC STUB, CONNECT TO PERIMETER STORM DRAIN PER CIVIL
11 ADJACENT PAVING, SEE MATERIALS PLAN.

NOTES:
A. SLOPE COMPACTED SUBGRADE FOR ENTIRE SYSTEM 0.5% TO PERIMETER SUBDRAINS
B. WHERE MULTIPLE UTILITY BOXES OCCUR THERE SHALL BE 12" MIN SEPARATION
C. CONCRETE SHALL BE A MINIMUM OF 4500 PSI PER 321313.

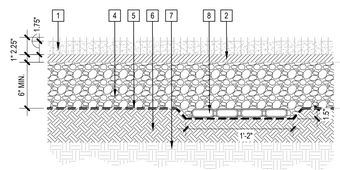
TRACK SURFACING AT UTILITY BOX - QCV — 1 1/2" = 1'-0" — 13 (A)



NOTES:
A. CONCRETE PAVING ATOP THE BOX LID SHALL BE FROM THE SAME CONCRETE BATCH POURED ADJACENT TO MATCH. TYP.
B. WHERE MULTIPLE UTILITY BOXES OCCUR THERE SHALL BE 8" MIN SEPARATION AND 4" SEPARATION FROM ADJACENT PAVING.

1 SYNTHETIC TURF SYSTEM
2 QCV UTILITY BOX PER L0.01 SPORTS EQUIP. LEGEND
3 SECURE SCH 80 BALL VALVE PER IRRIGATION.
4 PROVIDE BRICKS AT ALL FOUR CORNERS OF THE BOX DIRECTLY BELOW LEVELING BOLTS
5 COMPACTED SUBGRADE PER GEOTECH
6 3/4" CLEAN CRUSHED ANGULAR DRAIN ROCK SEE SPEC SECTION 321814
7 1" PVC STUB, CONNECT TO PERIMETER STORM DRAIN PER CIVIL
8 EXISTING CONCRETE BAND
9 4500 PSI CONCRETE BACKING TO SEAL-OFF VOID UNDER BOX

UTILITY BOX - QCV — 1 1/2" = 1'-0" — 06

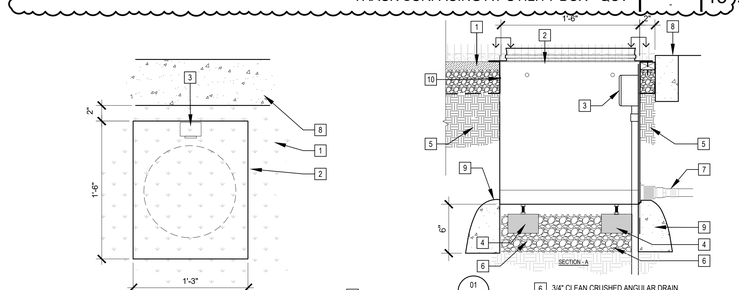


SYN. TURF SYSTEM @ FOOTBALL, SOCCER

1 SYNTHETIC TURF SYSTEM, CMAS BY OWNER. SEE SHEET L0.01.
2 SHOCKPAD, CMAS BY OWNER. SEE SHEET L0.01.
3 NOT USED
4 PERMEABLE BASE STONE, PER SPECIFICATIONS.
5 IMPERMEABLE LINER, ALL SEAMS TO BE HEAT WELDED/ THERMALLY FUSED
6 SUBGRADE COMPACTED PER GEOTECHNICAL REPORT, 90% RC MIN.
7 NATIVE UNDISTURBED SUBGRADE
8 12" W X 1" HT. SLEEVED FLAT COMPOSITE DRAINS, IN TRENCH, INSTALLED ABOVE NON-PERMEABLE LINER; REFER TO CIVIL PLANS FOR SLOPE & ALIGNMENT

NOTES:
A. SLOPE COMPACTED SUBGRADE FOR ENTIRE SYSTEM 0.5% TO PERIMETER SUBDRAINS AND AS INDICATED ON CIVIL PLANS.
B. FOR CONCRETE CURB AT TURF SYSTEM W/ ATTACHMENT SEE (03/-) (08/-)
C. FOR TURF DRAINAGE SYSTEM SEE (05/-)
D. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE HEIGHT AND THICKNESS OF THE SYNTHETIC TURF AND INFILL SYSTEMS WITH THE MANUFACTURER.
E. WHERE ONLY TURF IS BEING REPLACED, PROTECT (E) PERMEABLE BASE, AND SUBGRADE.

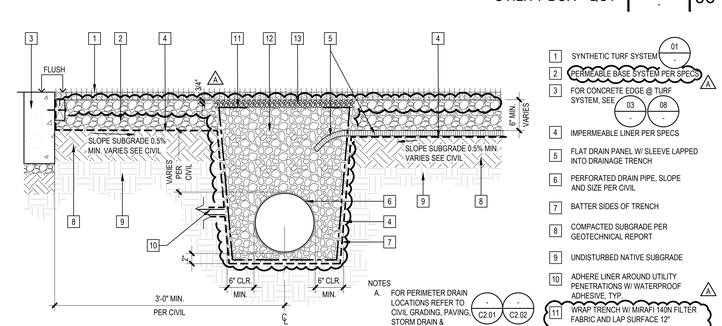
SYNTHETIC TURF SYSTEM WITH SHOCKPAD — 1 1/2" = 1'-0" — 01



NOTES:
A. CONCRETE PAVING ATOP THE BOX LID SHALL BE FROM THE SAME CONCRETE BATCH POURED ADJACENT TO MATCH. TYP.
B. WHERE MULTIPLE UTILITY BOXES OCCUR THERE SHALL BE 12" MIN SEPARATION AND 2" SEPARATION FROM ADJACENT PAVING.

1 SYNTHETIC TURF SYSTEM (01)
2 ELEC BOX PER L0.01 SPORTS EQUIP. LEGEND
3 SECURE 20A DUPLEX GFCI POWER OUTLET ENCLOSED IN OUTDOOR RATED NEMA BOX WITH LOCKING COVER. CONNECT TO 110 V SERVICE PER ELECTRICAL.
4 PROVIDE BRICKS AT ALL FOUR CORNERS OF THE BOX DIRECTLY BELOW LEVELING BOLTS
5 COMPACTED SUBGRADE PER GEOTECH
6 3/4" CLEAN CRUSHED ANGULAR DRAIN ROCK SEE SPEC SECTION 321814
7 1" PVC STUB, CONNECT TO PERIMETER STORM DRAIN PER CIVIL
8 SYNTHETIC TURF @ ADJACENT PAVING (03)
9 4500 PSI CONCRETE BACKING TO SEAL-OFF VOID UNDER BOX
10 WRAP SYNTHETIC TURF IMPERMEABLE LINER ALONG SIDES OF BOX, TYP.

UTILITY BOX - ELEC — 1 1/2" = 1'-0" — 13



1 SYNTHETIC TURF SYSTEM (01)
2 PERMEABLE BASE SYSTEM PER SPECS (A)
3 FOR CONCRETE EDGE @ TURF SYSTEM, SEE (03/-) (08/-)
4 IMPERMEABLE LINER PER SPECS
5 FLAT DRAIN PANEL W/ SLEEVE LAPPED INTO DRAINAGE TRENCH
6 PERFORATED DRAIN PIPE, SLOPE AND SIZE PER CIVIL
7 BATTER SIDES OF TRENCH
8 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
9 UNDISTURBED NATIVE SUBGRADE
10 ADHERE LINER AROUND UTILITY PENETRATIONS W/ WATERPROOF ADHESIVE, TYP. (A)
11 WRAP TRENCH W/ MIRAFI 140N FILTER FABRIC AND LAP SURFACE 12"
12 WASHED ANGULAR #57 STONE HEAVILY COMPACTED PER GEOTECH, SEE SPECS
13 WASHED ANGULAR #8 LEVELING STONE HEAVILY COMPACTED PER GEOTECH, SEE SPECS

NOTES
A. FOR PERIMETER DRAIN LOCATIONS REFER TO CIVIL GRADING, PAVING, STORM DRAIN & DETAILS PLAN. (-/C2.01) (-/C2.02)
B. SEE SPEC SECTION 321814 FOR MORE INFORMATION.
C. WHERE ONLY TURF IS BEING REPLACED, PROTECT (E) PERMEABLE BASE AND SUBGRADE.

PERIMETER DRAIN @ SYNTHETIC TURF — 1" = 1'-0" — 05

LPA
ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

LICENSED LANDSCAPE ARCHITECT — MICHAEL NICHALEK — 5510 — 11/14/2025 — STATE OF CALIFORNIA

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BUENA HIGH SCHOOL
TRACK AND FIELD REPLACEMENT

5670 TELEGRAPH ROAD
VENTURA, CA 93003

Developed for
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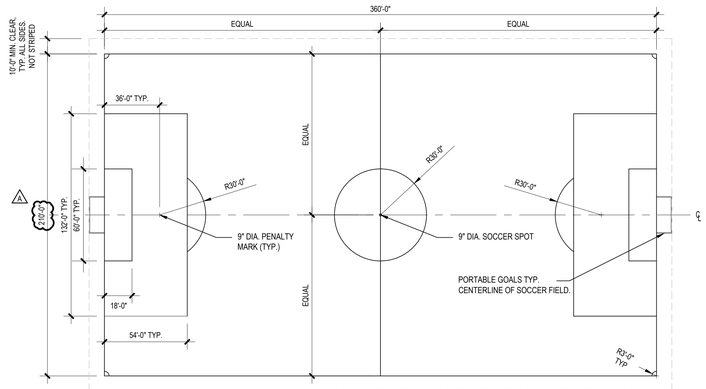
Revision	Date
ADDENDUM A	11/14/2025

Submittal	Date
SCHEMATIC DESIGN	11/22/2024
DSA SUBMITTAL #1	01/30/2025
DSA SUBMITTAL #2	04/07/2025

Job Number	32210
Checked By	MM | CA
Scale	AS NOTED

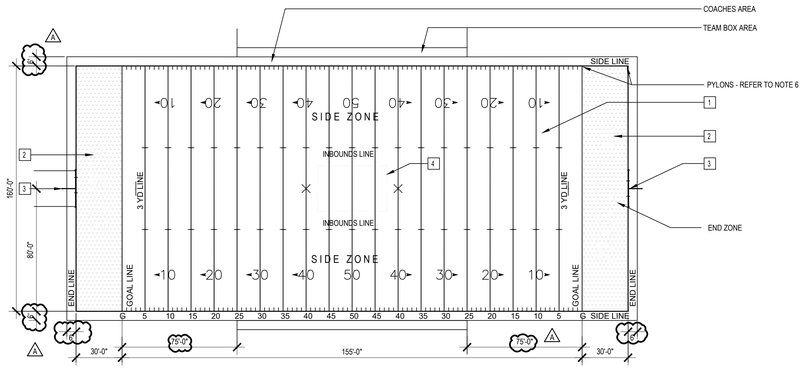
CONSTRUCTION DETAILS

L5.03



ALL SOCCER LINES ARE TO BE 4" SHEARED-IN LINES AND SHALL BE PER NFHS STANDARDS. VENDOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

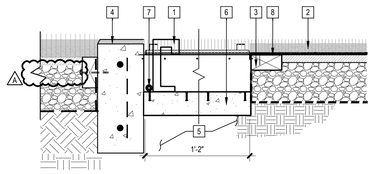
SOCCER LAYOUT AT STADIUM FIELD — 1" = 40'-0" — 04



1 SYNTHETIC TURF SURFACING — 01 / L5.03
2 SCHOOL NAME PER DISTRICT APPROVED CMAS MARKING LAYOUT
3 PROVIDE FOOTBALL GOAL POST PER — 17 / -
4 SCHOOL LOGO PER DISTRICT APPROVED CMAS LOGO LAYOUT.

NOTES:
A. ALL LINES SHALL BE NON-CAUSTIC MATERIAL
B. ALL LINES TO BE 4" WIDE
C. SPECTATOR BARRIER TO BE 15' FROM EDGE OF PLAYING FIELD
D. IT IS RECOMMENDED THE GOAL LINES AND THE TEAM BOX BOUNDARIES BE MARKED IN A COLOR WHICH CONTRASTS WITH OTHER FIELD MARKINGS AND THE COACHES AREA BE WHITE OR MARKED WITH DIAGONAL LINES.
E. DECORATIVE MARKINGS IN THE END ZONES SHALL BE NO CLOSER THAN 2' TO BOUNDARY AND GOAL LINES
F. THE PYLONS SHALL BE SOFT AND FLEXIBLE (4" SQ. X 18" HIGH) AT THE INSIDE CORNER OF THE GOAL LINES AND END LINES
G. EXISTING ELECTRICAL OUTLETS TO BE PROTECTED IN-PLACE AND NEW OUTLETS TO BE PLACED PER LAYOUT AND MATERIALS PLAN, CONDUIT ROUTING PER GRADING PLAN.
H. UTILITY BOXES PER MATERIALS PLAN AND — 10 / - , 11 / - , 13 / -

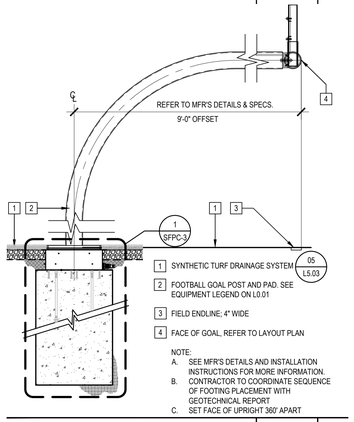
FOOTBALL FIELD LAYOUT — 1" = 40'-0" — 03



1 SOCCER GOAL SAFETY SYSTEM PER MANUFACTURER
2 SYNTHETIC TURF FIELD SYSTEM — 01 / L5.03
3 TREX BOARD HEADER — 07 / L5.04 SIM.
4 CONCRETE CURB @ D-ZONE
5 BASE MATERIAL AND COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
6 CIP CONCRETE BASE
7 CONNECT 1" PVC DRAIN PIPE TO SD SYSTEM. SEE CIVIL DWGS.
8 ADHERE SYNTHETIC TURF SYSTEM TO THE TREX PER MANUFACTURER

NOTE:
A. SEE UTILITY BOX DETAIL FOR MORE INFORMATION — 10 / L5.03 SIM.

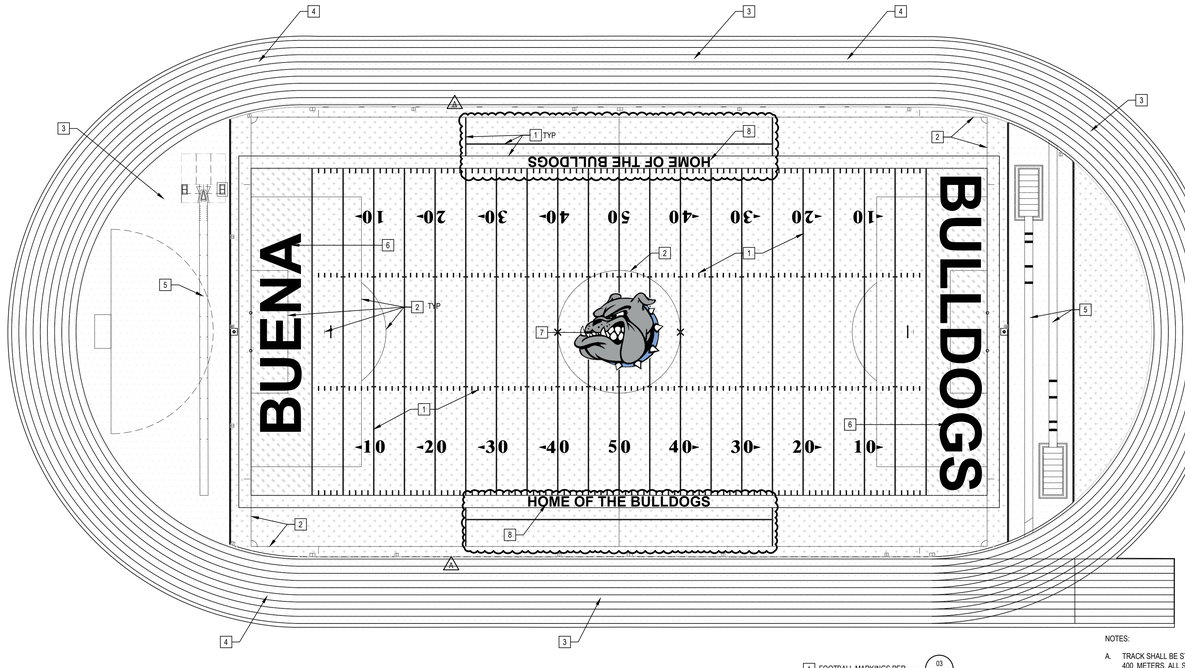
FOOTBALL AND SOCCER ACCESS BOX — 1 1/2" = 1'-0" — 18



1 SYNTHETIC TURF DRAINAGE SYSTEM — 1 / SFPC-3
2 FOOTBALL GOAL POST AND PAD. SEE EQUIPMENT LEGEND ON L0.01
3 FIELD ENDLINE, 4" WIDE — 05 / L5.03
4 FACE OF GOAL. REFER TO LAYOUT PLAN

NOTE:
A. SEE MFR'S DETAILS AND INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
B. CONTRACTOR TO COORDINATE SEQUENCE OF FOOTING PLACEMENT WITH GEOTECHNICAL REPORT
C. SET FACE OF UPRIGHT 360' APART

FOOTBALL GOAL POST — 1/2" = 1'-0" — 17



1 FOOTBALL MARKINGS PER — 03 / -
2 SOCCER MARKINGS PER — 04 / -
3 TRACK SURFACING LT GRAY PER CMAS, SEE — 04 / L5.03
4 TRACK SURFACING @ EXCHANGE ZONES, COLOR LIGHT BLUE PER CMAS
5 TRACK SURFACING @ PIT RUN-UPS, COLOR LIGHT BLUE PER CMAS
6 ENDZONE LETTERING PER CMAS
7 SCHOOL LOGO PER CMAS
8 SIDELINE LETTERING PER CMAS

NOTES:
A. TRACK SHALL BE STRIPED TO ACCOMMODATE (9) 42" LANES AT 400 METERS. ALL START, FINISH LINES, LANE LINES, LANE IDENTIFICATION NUMBERS, AND FIELD EVENT STRIPING SHALL BE FURNISHED AND INSTALLED BY THE DISTRICT VIA CMAS.
B. SYNTHETIC TURF AND ALL-WEATHER TRACK SURFACE FURNISHED AND INSTALLED BY DISTRICT.
C. FOR TRACK SURFACING LAYOUT, MANUF. TO SUBMIT SHOP DRAWINGS FOR REVIEW
D. ALL DIMENSIONS ARE INSIDE TO INSIDE
E. ALL FIELD LINES ARE TO BE 4" SHEARED-IN LINES AND SHALL BE PER NFHS STANDARDS. ALL DIMENSIONS ARE INSIDE TO INSIDE.
F. VENDOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

TRACK AND FIELD STRIPING AND LOGOS — 1" = 30'-0" — 01

LPA
ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

LICENSED LANDSCAPE ARCHITECT — MICHAEL A. HALE — No. 5006 — 7/31/2026 — 11/14/2025 — STATE OF CALIFORNIA

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TRACK AND FIELD REPLACEMENT

5670 TELEGRAPH ROAD
VENTURA, CA 93003

Developed for
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Revision	Date
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Submittal	Date
SCHEMATIC DESIGN	11/22/2024
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DSA SUBMITTAL #2	04/07/2025

Job Number	32210
Checked By	MM | CA
Scale	1" = 20'-0"

CONSTRUCTION DETAILS

L5.05