

ADDENDUM NO. 1

Dated: 11/16/18

1. GENERAL

This document includes requirements that clarify or supersede portions of the bid and/or contract requirements for the project. This Addendum is a Contract Document.

2. SUMMARY

The following changes, additions and deletions shall be made to the following document(s); all other conditions shall remain the same.

1) Additional Specifications and Changes to Specifications

- a. Updated Specification section 00 41 13 Bid Form and Proposal
- b. Updated Specification section 00 00 00 Table of Contents
- c. Added Specification section 32 31 19 Ornamental Fencing.
- d. Changes made to footer of Specification section 02 41 15 Site Utility Repair
- e. Changes made to footer of Specification section 31 23 00 Excavation Grading & Backfill
- f. Changes made to footer of Specification section 32 12 16.05

2) Drawing Revision Changes

Sheet 1 – Title

- a. Sheet Index updated.

Sheet 2 – Enlargement A

- b. Added existing utility lines for reference.

Sheet 3 – Enlargement B

- a. Added removal of two (2) existing, tree roots and root ball.
- b. Added existing utility lines for reference.

Sheet 5 – Details

- c. Add JANSEN ORNAMENTAL SUPPLY CO. – PLAIN STEEL $\frac{3}{4}$ "
MECHANICAL CAN BOLT, Product No. GH122M $\frac{3}{4}$

- d. Replace DOUBLE SWING ENTRY GATE DETAIL on Page 5 of 5 of the construction drawings with attached DOUBLE SWING ENTRY GATE DETAIL (REVISED).
- e. Replace TYPICAL FENCE PANEL DETAIL on Page 5 of 5 of the construction drawings with attached TYPICAL FENCE PANEL DETAIL (REVISED).
- f. Add Basketball Standard Detail.
- g. Add Bracket Installation Detail

E1.1 - Electrical Site Plan

- h. Exterior light pole and fixture location adjusted.
- i. Note changed to install new conduit and paint to match existing exterior conduit.

E1.2 – Electrical Demo Plan

- j. Sheet added to demo existing light fixtures in project area.

3) Bid Period RFI's

- 1. **Question:** Which company is to be used to provide wrought iron fencing?
Response: See attached Specification section 32 31 19 Ornamental Fencing.
- 2. **Question:** Can the District declare what color the new wrought iron fence and gates will be?
Response: Wrought Iron Fence and gates will be powder coat black.

END OF DOCUMENT

BID FORM AND PROPOSAL

To: Governing Board of East Side Union High School District ("District" or "Owner")

From: _____
(Proper Name of Bidder)

The undersigned declares that Bidder has read and understands the Contract Documents, including, without limitation, the Notice to Bidders and the Instructions to Bidders, and agrees and proposes to furnish all necessary labor, materials, and equipment to perform and furnish all work in accordance with the terms and conditions of the Contract Documents, including, without limitation, the Drawings and Specifications of Bid No. B-07-18-19.

PROJECT: **IH Bids GHKL Modernization (Exterior Court & Fencing)**

("Project" or "Contract") and will accept in full payment for that Work the following total lump sum amount, all taxes included:

ITEM	DESCRIPTION	UNIT	TOTAL
1.	All Work described in the Contract Documents to install wrought iron fence, basketball court and sidewalk. Includes all overhead and profit.	Lump Sum	\$
2.	All work described in the Contract Documents for electrical improvements. Includes overhead and profit.	Lump Sum	
3.	Total Bid Amount (Sum of Items 1 – 2)		\$

_____ dollars	\$	_____
BASE BID		
<i>Bidder acknowledges and agrees that the Base Bid accounts for any and all Allowance(s), Total Cost for Unit Price.</i>		

Descriptions of alternates are primarily scope definitions and do not necessarily detail the full range of materials and processes needed to complete the construction.

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**EAST SIDE UNION HIGH SCHOOL DISTRICT
Z-065-603, IH Bids GHKL Modernization
(Exterior Court & Fencing)
Bid #: B-07-18-19
Addendum No. 1**

**BID FORM AND PROPOSAL
DOCUMENT 00 41 13-1**

Adopted: 01/19/2017

**EAST SIDE UNION HIGH SCHOOL DISTRICT
Z-065-603, IH Blds GHKL Modernization
(Exterior Court & Fencing)
Bid #: B-07-18-19
Addendum No. 1**

**BID FORM AND PROPOSAL
DOCUMENT 00 41 13-2**

Adopted: 01/19/2017

Additional Detail Regarding Calculation of Base Bid

1. The undersigned has reviewed the Work outlined in the Contract Documents and fully understands the scope of Work required in this Proposal, understands the construction and project management function(s) is described in the Contract Documents, and that each Bidder who is awarded a contract shall be in fact a prime contractor, not a subcontractor, to the District, and agrees that its Proposal, if accepted by the District, will be the basis for the Bidder to enter into a contract with the District in accordance with the intent of the Contract Documents.
2. The undersigned has notified the District in writing of any discrepancies or omissions or of any doubt, questions, or ambiguities about the meaning of any of the Contract Documents, and has contacted the Construction Manager before bid date to verify the issuance of any clarifying Addenda.
3. The undersigned agrees to commence work under this Contract on the date established in the Contract Documents and to complete all work within the time specified in the Contract Documents.
4. The liquidated damages clause of the General Conditions and Agreement is hereby acknowledged.
5. It is understood that the District reserves the right to reject this bid and that the bid shall remain open to acceptance and is irrevocable for a period of ninety (90) days.
6. The following documents are attached hereto:
 - Bid Bond on the District's form or other security
 - Designated Subcontractors List
 - Site Visit Certification
 - Conflict of Interest
 - Non-Collusion Declaration
 - Iran Contracting Act Certification
7. Receipt and acceptance of the following Addenda is hereby acknowledged:

No. _____, Dated _____	No. _____, Dated _____
No. _____, Dated _____	No. _____, Dated _____
No. _____, Dated _____	No. _____, Dated _____

8. Bidder acknowledges that the license required for performance of the Work is a _____ license.

9. The undersigned hereby certifies that Bidder is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the Work.
10. Bidder specifically acknowledges and understands that if it is awarded the Contract, that it shall perform the Work of the Project while complying with all requirements of the Department of Industrial Relations [and with all requirements of the Project Labor Agreement].
11. Bidder specifically acknowledges and understands that if it is awarded the Contract, that it shall perform the Work of the Project while complying with the Davis Bacon Act, applicable reporting requirements, and any and all other applicable requirements for federal funding. If a conflict exists, the more stringent requirement shall control.
12. The Bidder represents that it is competent, knowledgeable, and has special skills with respect to the nature, extent, and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work that may create, during the Work, unusual or peculiar unsafe conditions hazardous to persons and property.
13. Bidder expressly acknowledges that it is aware of such peculiar risks and that it has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the Work with respect to such hazards.
14. Bidder expressly acknowledges that it is aware that if a false claim is knowingly submitted (as the terms "claim" and "knowingly" are defined in the California False Claims Act, Gov. Code, § 12650 et seq.), the District will be entitled to civil remedies set forth in the California False Claim Act. It may also be considered fraud and the Contractor may be subject to criminal prosecution.
15. The undersigned Bidder certifies that it is, at the time of bidding, and shall be throughout the period of the Contract, licensed by the State of California to do the type of work required under the terms of the Contract Documents and registered as a public works contractor with the Department of Industrial Relations. Bidder further certifies that it is regularly engaged in the general class and type of work called for in the Contract Documents.

Furthermore, Bidder hereby certifies to the District that all representations, certifications, and statements made by Bidder, as set forth in this bid form, are true and correct and are made under penalty of perjury.

Dated this _____ day of _____ 20 ____

Name of Bidder: _____

Type of Organization: _____

Signed by: _____

Title of Signer: _____

Address of Bidder: _____

Taxpayer Identification No. of Bidder: _____

Telephone Number: _____

Fax Number: _____

E-mail: _____ Web Page: _____

Contractor's License No(s): No.: _____ Class: _____ Expiration Date: _____

No.: _____ Class: _____ Expiration Date: _____

No.: _____ Class: _____ Expiration Date: _____

Public Works Contractor Registration No.: _____

END OF DOCUMENT

EAST SIDE UNION HIGH SCHOOL DISTRICT
INDEPENDENCE HIGH SCHOOL
IH GHKL Modernization (Exterior Court & Fencing)
PROJECT NO. Z-065-603

Volume #2 of #2

TECHNICAL SPECIFICATIONS

Table of Contents

00 00 00	Table of Contents
02 41 13	Site Demolition
02 41 15	Site Utility Repair
03 30 53	Sitework Concrete
06 15 40	Headerboards
31 23 00	Excavation, Grading & Backfill
32 00 01	General Exterior Site Construction Requirements
32 11 23	Aggregate Base
32 12 16	Hot-Mix Asphalt Paving
32 12 16.05	Hot-Mix Asphalt Pavement Repair
32 17 23	Pavement Marking
32 31 19	Decorative Ornamental Steel Fencing
32 93 07	Root Barriers

Division 26 – Electrical

26 00 00	Electrical General Requirements
26 05 00	Basic Electrical Material and Methods
26 05 23	Conductors and Cables
26 05 26	Grounding and Bonding
26 05 33	Raceways and Boxes
26 05 53	Electrical Identification
26 28 16	Enclosed Switches and Circuit Breakers
26 51 00	Lighting

SECTION 32 31 19
DECORATIVE ORNAMENTAL STEEL FENCE

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section Includes:

1. Decorative ornamental galvanized metal tubular picket fence system.

B. Related Sections:

1. Division 03 Concrete
2. Division 31 Earthwork

1.3 REFERENCES

A. American Society for Testing Materials:

1. A239 Practice for Locating the Thinnest Spot in a Zinc(Galvanized) Coating on Iron or Steel Articles
2. A653/A653M Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
3. A1008/A1008M Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High- Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable
4. A1011/A1011M Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low- Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength
5. B117 Practice for Operating Salt Spray (Fog) Apparatus
6. D523 Test Method for Specular Gloss
7. D714 Test Method for Evaluating Degree of Blistering of Paints
8. D1654 Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments
9. D2244 Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
10. D2794 Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
11. D3359 Test Methods for Measuring Adhesion by Tape Test
12. E4 Practices for Force Verification of Testing Machines
13. F2814 Guide for Design and Construction of Ornamental Steel Picket Fence Systems for Security Purposes
14. F2408 Standard Specification for Ornamental Fences Employing Galvanized Steel Tubular Pickets

1.4 SUBMITTALS

- A. Product Data: Manufactures information for each type of product indicated.
- B. Shop Drawings: Product elevations, sections, and details as necessary.
- C. Product Warranty: Pickets, Posts, and Rails standard limited warranty that ornamental fence system is free from defects in material and workmanship including cracking, peeling, blistering and corroding for a period of 10 years from the date of purchase.

1.5 QUALITY ASSURANCE

- A. The contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction involved and the materials and techniques specified.

- B. Provide complete fence system and gates, with all components provided by a single manufacturer, including all panels, posts, gates, fittings and hardware.
- C. Manufacturer Qualifications: Company specializing in manufacturing of steel ornamental picket fence systems with a minimum of 5 years documented experience.

1.6 PRODUCT HANDLING AND STORAGE

- A. Panels, gates, posts, and accessories to be delivered to the project site assembled and coated. Upon receipt at the job site, all materials shall be checked to ensure that no damages occurred during shipping.
- B. Materials shall be handled and stored properly to protect against damage, weather, vandalism and theft.

PART 2 – PRODUCTS

2.1 DECORATIVE ORNAMENTAL STEEL FENCE

- A. Products from other qualified manufacturers who have ten years or more experience manufacturing steel ornamental picket fencing will be considered by the architect as equal if approved in writing 10 days prior to biddings, and they meet all specifications for design, size, and gauge of metal parts and fabrication. Picket fences and gates must be obtained from a single source.
- B. Securely welded biasable fence system shall rack 45 degrees based on an 8' nominal panel if required.
- C. Fence style: Kent, 3 Rail.
- E. Nominal height: Custom.
- F. Pickets, Posts, and Rails: Galvanized square steel tubular members manufactured per ASTM F2408, having minimum yield strength of 45,000 psi.
 - 1. Commercial: Picket 3/4" square 16 gauge 4-3/4" O.C., Rail 1-1/2" square 14 gauge, actual panel width 94", 120", or custom.
- G. Finish: Manufactured in compliance with ASTM F2408 - Corrosion Resistance Salt Spray Test per ASTM B117, Impact Resistance per ASTM D2794, and Adhesion per ASTM D3359 Method B.
All primary components shall receive a thorough cleaning and pre-treatment with a 10-step process: Hot alkaline cleaner, clear water rinse, hot iron phosphate application, clear water rinse, reverse Osmosis rinse, dry off oven heat, zinc enriched powder primer coat at 2-4 mils., gel oven heat, Ultra polyester finish T.G.I.C. powder coat at 2-4 mils., and final curing oven.
Choose color: Powder Coat Black.

2.2 ACCESSORIES

- A. Rail/Post Bracket – Bracket system ensures easy installation without the need to weld in the field.
- B. Post Caps: Cast aluminum or malleable iron or formed steel manufactured to form a weather-tight closure. Cap style: flat tops - on all posts.
- C. Finial Tops for Pickets – Square.

2.3 SETTING MATERIALS

- A. Concrete: Minimum 28 day compressive strength of 2,500 psi.
- B. Flanged Post: Provide flanged base plates with 4 holes for surface mounting where indicated. (For wall mount or pad mount situations.)

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify areas to receive fencing are completed to final grades and elevations.
- B. Property lines and legal boundaries of work to be clearly established by the general contractor or property owner.

3.2 FENCE INSTALLATION

- A. Install fence per manufacturer's recommendations.
- B. Space posts uniformly at manufacturer's standard face to face of post dimension unless instructed otherwise.

3.3 CLEANING

- A. Clean up debris and remove from the site.

END OF SECTION

SECTION 02 41 15
SITE UTILITY REPAIR

PART 1 GENERAL

1.1 SUMMARY

- A. Includes But Not Limited To
1. The contractor shall identify the location of the existing utilities for the site using existing plans, obvious surface features, locations of facilities, locator services and other practical means **48 hours prior to ground disturbance**.
 2. At locations where identified site utilities may conflict with the planned construction, the contractor shall pothole the utility 5 days in advance of the work to ascertain if a conflict exists. If a conflict does exist, the contractor shall notify the Owner and Engineer immediately.
 3. Repair of existing utilities damaged during the course of construction.

1.2 ADMINISTRATIVE REQUIREMENTS

- A. Coordination
1. Contractor shall coordinate with affected utilities.
 2. Contractor shall coordinate with other contractors working on the site.
 3. Coordinate with site landscape maintenance company.
- B. Preconstruction Meeting
1. Contractor shall schedule a preconstruction meeting prior to initiating work.
 2. Attendees at the preconstruction meeting shall include but not be limited to:
 - a. Owner's Representative
 - b. Contractor's **General Foreman**
 - c. Subcontractors (if applicable)
 - d. QA Representative
 - e. QC Representative
 - f. Other site users or affected parties as applicable.
- C. Scheduling
1. The location of underground facilities shall be included as an initial schedule activity.
 2. Potholing of potential conflicting utilities shall be performed within 48 hours after the conflict is identified.

1.3 SUBMITTALS

- A. The workman or subcontractors to perform the repairs shall be identified prior to the initiation of work and telephone number made available to the Owner's Representative.
1. The contractor shall have the resources available to immediately and expeditiously repair damaged utilities, without impact to the schedule, including:

- a. site lighting
- b. irrigation lines and wires
- c. water services
- d. electrical lines

1.4 CLOSEOUT SUBMITTALS

- A. Provide Owner with record drawings indicating site utility repairs with related information including photographs.

PRODUCTS

1.5 MATERIALS

- A. The materials used for repairs shall be compatible and similar with the site utility to be repaired.
- B. Minimum thickness of plastic pipe for irrigation repairs shall be Schedule 40.
- C. Utility Boxes: Traffic-rated box and lid in pavement areas; Plastic or composite box in landscape areas.
- D. Wire Connectors: 3M AY type connectors shall be used for wire splices.

PART 2 EXECUTION

2.1 PROTECTION

- A. The contractor is responsible for protecting existing site utilities identified or which should have been identified by compliance with these specifications.

2.2 CONSTRUCTION

- A. Repair of damaged lines or wiring due to the contractor's failure to adequately identify or protect existing utility lines shall be the contractor's responsibility.
- B. Damaged utilities which were not able to be identified or protected shall be repaired by the contractor.
 - 1. The contractor shall make all repairs in accordance with the applicable codes. Care shall be exercised to avoid further damage to existing facilities during repairs.
 - 2. The repaired lines or wiring shall be tested prior to backfilling.
 - 3. The contractor shall be responsible for any damage to the completed work due to improper repairs of existing site utilities.
 - 4. Electrical splices:
 - a. Damaged electrical lines shall be replaced from existing pull boxes or facilities. Splices shall only be made with the express permission of the Owner.
 - b. Damaged irrigation wiring may be spliced with wire connectors. Splices in wiring run shall have a utility box placed over the splice.

END OF SECTION

SECTION 31 23 00

EXCAVATION, GRADING & BACKFILL

PART 1 GENERAL

1.1 SUMMARY

- A. Includes But Not Limited To
 - 1. Perform rough and finish grading work required to prepare site for construction as described in Contract Documents.
 - 2. Perform trench excavation and backfill for site utilities.
 - 2. Perform excavating and compacting included in Project not covered under other Sections.

- B. Related Sections
 - 1. Section 02 41 13 - Site Demolition
 - 2. Section 32 00 01 - General Exterior Site Construction Requirements

1.2 QUALITY ASSURANCE

- A. Investigation
 - 1. **Contractor shall schedule a pre-construction meeting with Owners Representative to discuss designed grades specific to this phase of project.**
 - 2. Identify benchmark to be used in establishing grades and review Contract Document requirements for grades, fill materials, and topsoil.
 - 3. Examine site to pre-plan procedures for making cuts, placing fills, and other necessary work.

- B. Proof Rolling
 - 1. Contractor shall proof roll keyways, fills and subgrades when requested to do so by Owner's representative.

- C. Compaction Testing
 - 1. Contractor shall schedule compaction testing with Owner's Agent at least 48 hours prior to required testing.
 - 2. Contractor shall provide construction equipment to prepare testing sites. Minimum equipment shall be a rubber tired backhoe or equivalently weighted rubber tired machine.
 - 3. Contractor shall recompact all test locations if necessary.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Site Material - Existing excavated material on site which has been identified as not being unsuitable as defined by Section 32 00 01 is suitable for use as fill material or backfill where allowed.

- B. Imported Fill/Backfill

1. Equal to or greater than quality of onsite material in terms of "R" Value, but not less than R=25.
 2. Plasticity Index less than 15 or no expansion pressure per CTM 301.
- C. Imported Topsoil
1. Fertile, loose, friable soil meeting the following criteria:
 - a. pH between 5.5 and 7.7
 - b. Soluble Salts - less than 2.0 mmhos/cm
 - c. Sodium Absorption Ration (SAR) - less than 3.0
 - d. Organic Matter - greater than 1 percent
 2. Physical Characteristics:
 - a. Gradation as defined by USDA triangle of physical characteristics as measured by hydrometer.
 - Sand - 15 to 60 percent
 - Silt - 10 to 60 percent
 - Clay - 5 to 30 percent
 - b. Clean and free from toxic minerals and chemicals, noxious weeds, rocks larger than 1-1/2 inches in any dimensions, and other objectionable materials.
 - c. Soil shall not contain more than 2 percent of particles measuring over 2.0 mm in largest size.
- D. Trench Backfill – CLSM per Section 32 00 01
- E. Drain Rock
1. Drain rock material shall meet the following gradation requirements:

<u>Screen Size</u>	<u>Percentage passing</u>
1-1/2"	100
3/4"	5 (max.)
No. 200	2 (max.)

PART 3 EXECUTION

3.1 PREPARATION

- A. Before making cuts, remove topsoil over areas to be cut and filled that was not previously removed by stripping. Stockpile this additional topsoil with previously stripped topsoil.
- B. Keyways for Fills
 1. Prepare keyway at toe of fills.
 2. Keyways shall extend a minimum of 1.5 feet below adjacent undisturbed ground.
 3. Keyways shall be a minimum of 6 feet in width.
 4. Keyways shall slope between 0 and 4 percent toward the fill.
 5. The bottom of the keyway shall be scarified, moisture conditioned and compacted to 90 percent relative compaction a minimum depth of 6 inches.
 6. Proof roll for unstable or unsuitable soils.

3.2 PROTECTION

- A. General: Open excavations, trenches, and the like shall be protected with fences, covers, or railings as required to maintain safe pedestrian and vehicular traffic passage.

- B. Erosion of newly backfilled areas shall be prevented during construction. Settlement or washing that occurs in backfilled areas shall be repaired and grades reestablished to the required elevations.
- C. Contractor shall comply with all local, state and federal storm water protection regulations.

3.3 PERFORMANCE

- A. Tolerances
 - 1. Maximum variation from indicated grades for rough grading shall be **+/- 0.05 foot**.
 - 2. Grading shall not vary from the negative to positive tolerances within 50 feet.
 - 3. Make proper allowances for final finish grades of pavement, top soil, planting areas or other structures.
- B. When existing grade around existing plants to remain is higher than new finish grade, perform regrading by hand. Do not expose or damage existing shrub or tree roots.
- C. Excavation
 - 1. Maximum cut slopes shall be 2H:1V or as shown on plans.
 - 2. Round off top 3 feet of cut slopes
 - 3. Do not overcut slopes by more than 0.5 feet measured perpendicularly from the cut slope.
 - 4. Protect existing trees and improvements from equipment damage.
 - 5. Finish slopes shall be graded smooth.
 - 6. Drainage: Ensure proper drainage in and around excavation area. Do not allow water to accumulate in excavated areas. Water in excavation areas shall be removed by pumps or other means.
 - 7. Excavated material becomes property of the contractor.
 - a. When fill is required elsewhere on site, Contractor shall use excavated material first prior to importing additional material, unless excavated material is deemed unusable by the Owner's Agent.
 - b. If not called for reuse elsewhere on the site, excavated material will be disposed of by the Contractor in a legal manner.
- D. Over-excavation
 - 1. Excavations below indicated depths will not be permitted, except to remove unsuitable material as identified in Section 32 00 01 of these Specifications.
 - 2. Satisfactory material removed below the depths indicated without specific direction from the Owner's Agent shall be replaced at no additional cost to the Owner to the indicated excavation grade. Replacement material shall be approved by Owner's Agent prior to performing the work.
- E. Trenching
 - 1. Excavate to depth and alignment as shown on plans.
 - 2. Bottom of trench shall be accurately graded to provide required slope and shall be stabilized if necessary, to provide a firm pipe bed.
 - a. Recesses shall be excavated to accommodate bells so that the pipe will be uniformly supported for the entire length.
 - 3. Rock, where encountered, shall be excavated to a depth of 6 inches below the bottom of the pipe and the void backfilled with clean fill sand.
 - 4. No joint trenching is allowed unless otherwise shown on drawings.

5. Provide shoring as required by Cal OSHA.
6. Trench width shall equal pipe width plus 6 inches unless otherwise shown on plans.

F. Subgrade Preparation

Site Tolerances

1. Maximum variation from indicated grades for rough grading shall be **+/- 0.05 foot**.
2. Grading shall not vary from the negative to positive tolerances within 50 feet.
3. Make proper allowances for final finish grades of pavement, top soil, planting areas or other structures.
4. If soft spots, water, or other unusual and unforeseen conditions affecting grading requirements are encountered, stop work and notify Owner's Agent.

G. Fill Construction

1. Uniformly moisture condition fill material to between optimum plus 3 percent optimum moisture prior to placing in fill.
2. Place fills in maximum loose lifts of 8 inches.
3. Compact fills to 90 percent relative compaction under concrete flat work areas; compact to 95 percent relative compaction under asphalt concrete paving. In landscape areas, compact to 85 percent relative compaction (do not over-compact).
4. Correct any unstable areas.
5. Compact fill slopes after trimming with 3 passes of a sheepsfoot roller or track roll.
6. No fill or backfill material shall be placed during adverse weather conditions that will alter the moisture content to above optimum level.
 - a. Approved compacted subgrades that are disturbed by adverse weather or by the Contractor's actions shall be scarified and re-compacted to the required density prior to further construction thereon.

H. Trench backfill

1. CLSM or Cement Slurry per Section 32 00 01 of these Specifications, and as shown on Plans.
2. Do not perform any trench backfill until lines have been inspected and/or tested by Owner's Agent and authorization has been given to proceed by said Agent.

I. Finish Grading

1. Do not start finish grading until rough grading tolerances are met.
2. Prior to finish grading or adding topsoil to planters, dig out weeds by roots and remove rocks, concrete, asphalt, wood, forming material, wire, rubble, sticks, etc.
3. Prior to placing topsoil, remove aggregate base down to native soil in planting areas.
4. Excavate planting areas to provide the following minimum topsoil depths below adjacent concrete or finish surfaces:
 - a. Lawn and Groundcover Planting Areas - 7 inches minimum
 - b. Shrub Planting Areas - 14 inches minimum.
5. Redistribute approved existing topsoil stored on site from stripping per Section 02 41 13.
6. Add imported topsoil as necessary to provide required topsoil depth.
7. Fine grade topsoil 1 inch minimum to 2 inches maximum below top of concrete or finish surfaces, unless shown otherwise on plans. Rake smooth and remove all lumps, rocks, etc.
8. Provide a minimum of 8 inches clearance from finish floor at buildings or wood structures.

9. Slope away from buildings at ½ inch per foot for a minimum of 5 feet.
10. Fill low spots and pockets with topsoil and grade to drain.

J. Clean up

1. Upon completion of the work under this section, Contractor shall remove from the premises all surplus materials, tools, equipment, trash, rubbish, left-over material and debris resulting from the work at his own expense and leave the site in a clean and neat condition satisfactory to the Owner's Agent.

PART 4 PAYMENT

- A. Unless specified otherwise in the bid schedule, excavation, off haul, grading and backfill shall be paid for as a part of the various items of work and no separate payment shall be made.

END OF SECTION

SECTION 32 12 16.05

HMA PAVEMENT REPAIR

PART 1 GENERAL

1.1 SUMMARY

- A. Includes But Not Limited To
 - 1. Remove and replace paving and/or base in specific areas as described in Contract Documents.
- B. Related Sections
 - 1. Section 32 00 01 - General Exterior Site Construction Requirements
 - 2. Section 32 01 26.72 - Cold Planing
 - 3. Section 32 12 16 - HMA Pavement

PART 2 PRODUCTS

2.1 MATERIALS

- A. Base -3/4" Class 2 Base for below grade fill in accordance with Section 26 of the Caltrans Standard Specifications.
- B. **HMA 3/4" for Base course in digouts, 3/8" finish course in Playground Areas** Type A per revised Section 39 of the Caltrans Standard Specifications.

PART 3 EXECUTION

3.1 PERFORMANCE

- A. Repair Of Deteriorated Pavement Areas
 - 1. Cut edges of pavement in rectangular shape and for one foot minimum beyond damaged material. Make vertical cuts using pavement saw or cold planer.
 - 2. Base - Construct per plans and Section 32 12 16.
 - 3. Apply emulsion tack coat to vertical edges of existing asphalt and sitework concrete to be paved against.
 - 4. Paving -Lifts
 - i. **Maximum lift thickness including top lift shall be 2 inches in thickness.**
 - b. Longitudinal bituminous joints shall be vertical, and properly tack coated if not paved same day. Transverse joints shall always be tack coated if not paved same day. Heat all cold joints on adjacent existing paving if previous mat was placed over 3 hours prior to placement of current mat.
 - c. Compaction -
 - i. Compact per Section 32 12 16 HMA Paving.
 - ii. Roll with powered equipment capable of obtaining specified density. Vibratory plate compactor may be used for areas too small for large

HMA PAVEMENT REPAIR

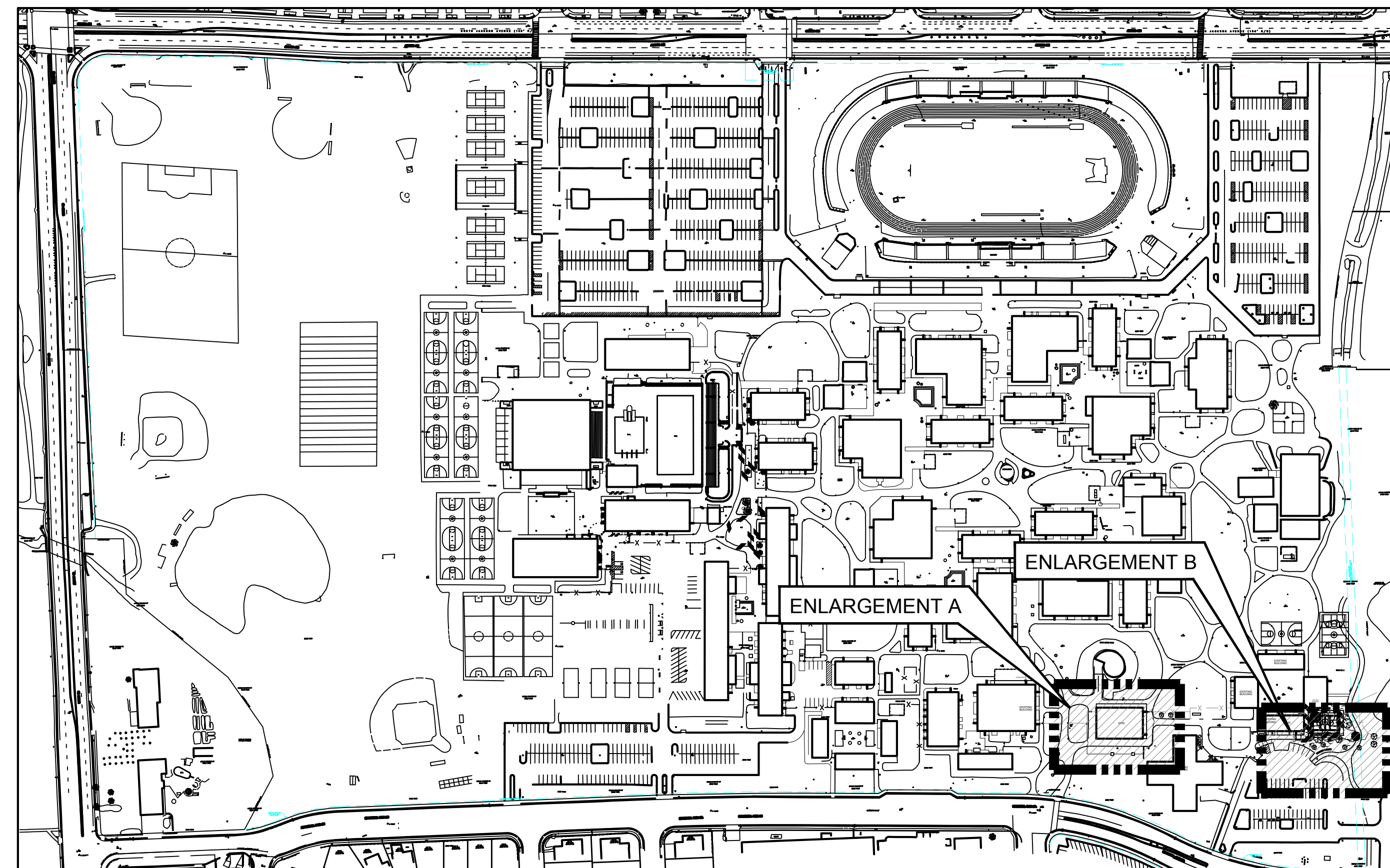
- power equipment.
- d. Surface shall be uniform with no 'birdbaths'. Leave finished surfaces clean and smooth. Variations from adjacent surface shall not exceed 1/8 inch.

3.2 CLEANING

- A. Upon completion of repair operations, clean up and remove debris.

END OF SECTION

EAST SIDE UNION HIGH SCHOOL DISTRICT EXTERIOR COURT & FENCING PROJECT INDEPENDENCE HIGH SCHOOL PROJECT NO. Z-065-603



AREA PLAN
1" = 200'

SHEET INDEX	
SHEET No.	SHEET TITLE
1	TITLE PAGE
2	ENLARGEMENT A- DESIGN
3	ENLARGEMENT B - DESIGN
4	ENLARGEMENT B - GRADING PLAN
5	DETAILS
E0.1	SYMBOLS, NOTES AND DETAILS
E1.1	ELECTRICAL SITE PLAN
E1.2	ELECTRICAL DEMO PLAN

NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL TESTING THAT MAY BE REQUIRED TO LEGALLY DISPOSE OF EXCESS MATERIAL.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS & CONTRACT DOCUMENTS. WORK NOT COMPLYING WITH PLANS & CONTRACT DOCUMENTS WILL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND LEAVE WORK AREA CLEAN DAILY.
- ALL MATERIALS AND WORKMANSHIP ARE SUBJECT TO REVIEW BY OWNER. ANY PORTION OF THE WORK DEFECTIVE SHALL BE REPLACED BY THE CONTRACTOR AS PART OF THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
- ABSOLUTE ACCURACY OF DRAWING CAN NOT BE GUARANTEED. WHILE EVERY EFFORT HAS BEEN MADE TO COORDINATE THE LOCATION OF THE EXISTING EQUIPMENT, PIPING, ETC. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE EXACT REQUIREMENTS GOVERNED BY ACTUAL JOB CONDITIONS.
- AREAS NOT IN SCOPE OF WORK DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE EXISTING CONDITION AT THE CONTRACTORS EXPENSE.
- PROTECT EXISTING BUILDING STRUCTURES, AND ADJACENT FINISHED SURFACES DURING CONSTRUCTION. PATCH, REPAIR AND REFINISH AREAS DAMAGED OR IMPACTED BY WORK DURING THIS PROJECT TO MATCH ADJACENT UNDISTURBED AREAS. PATCHING, REPAIRING AND REFINISHING IS TO BE PERFORMED BY WORKMEN SKILLED IN THE TRADES INVOLVED.
- CONTRACTOR SHALL HAVE LOCATING SERVICE VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT THE ENGINEER TO REVIEW AND ADDRESS ANY UTILITIES CONFLICTING WITH THE SCOPE OF WORK.
- UTILITY BOXES IN CONSTRUCTION AREAS SHALL BE REUSED AND ADJUSTED TO FINISHED GRADE. IF BOXES ARE NOT REUSABLE, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO REMOVAL.
- ANY AND ALL IRRIGATION LINES AND SPRINKLERS IN WORK AREA SHALL BE RELOCATED OUTSIDE LIMITS OF NEW BASKETBALL COURT AREA.

Path: Z:\SHARED\DRIVE\ACTIVE PROJECTS\EAST SIDE UHSD\180243-01_INDEP - HIGH B-BALL\DRAWINGS\180243-01_DESIGN.DWG Plot Date: 10/25/2018 9:17 AM

REV	DATE	DESCRIPTION

Pavement Engineering Inc.
You can ride on our reputation
Corporate Office:
3485 Sacramento Drive, Suite A
San Luis Obispo, CA 93401
805.781.2265

**EAST SIDE UNION HIGH SCHOOL DISTRICT
INDEPENDENCE HIGH SCHOOL
EXTERIOR COURT & FENCING PROJECT
TITLE PAGE**

**FINAL PLANS
FOR
CONSTRUCTION**

DRAWN BY: **TLS**
PROJECT NUMBER: **180243_01**
SCALE: **AS SHOWN**
DATE: **OCT. 2018**
SHEET NUMBER:
1 of 5

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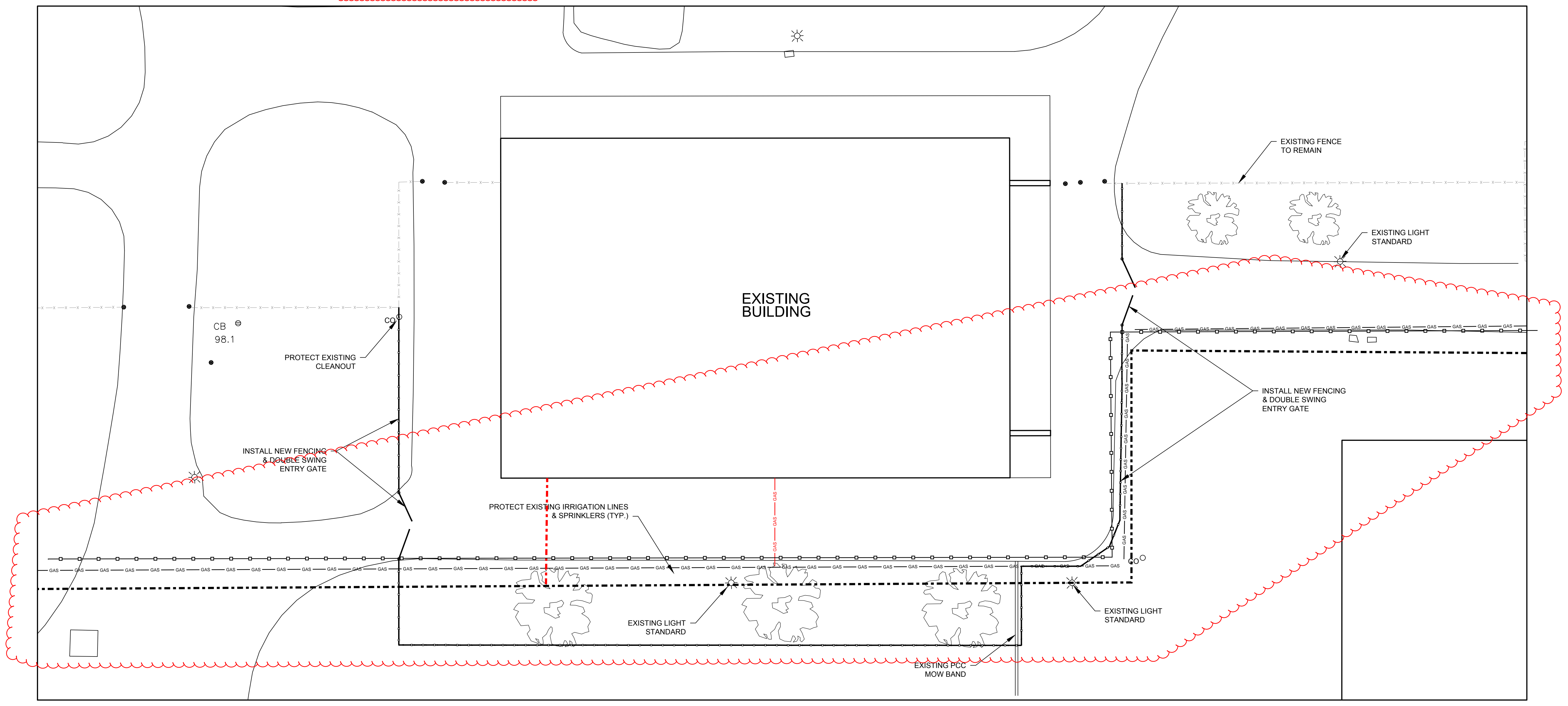
LEGEND

- EXISTING FENCE TO REMAIN
- INSTALL NEW FENCING
- CO CLEAN OUT

- GAS — Existing Gas Line
- Existing Storm Drain Line
- Existing Water Line

General Note

1. Hand Dig Fence Post next to existing utilities



ENLARGEMENT A - DESIGN
1" = 10'
NORTH

REV	DATE	DESCRIPTION	APP

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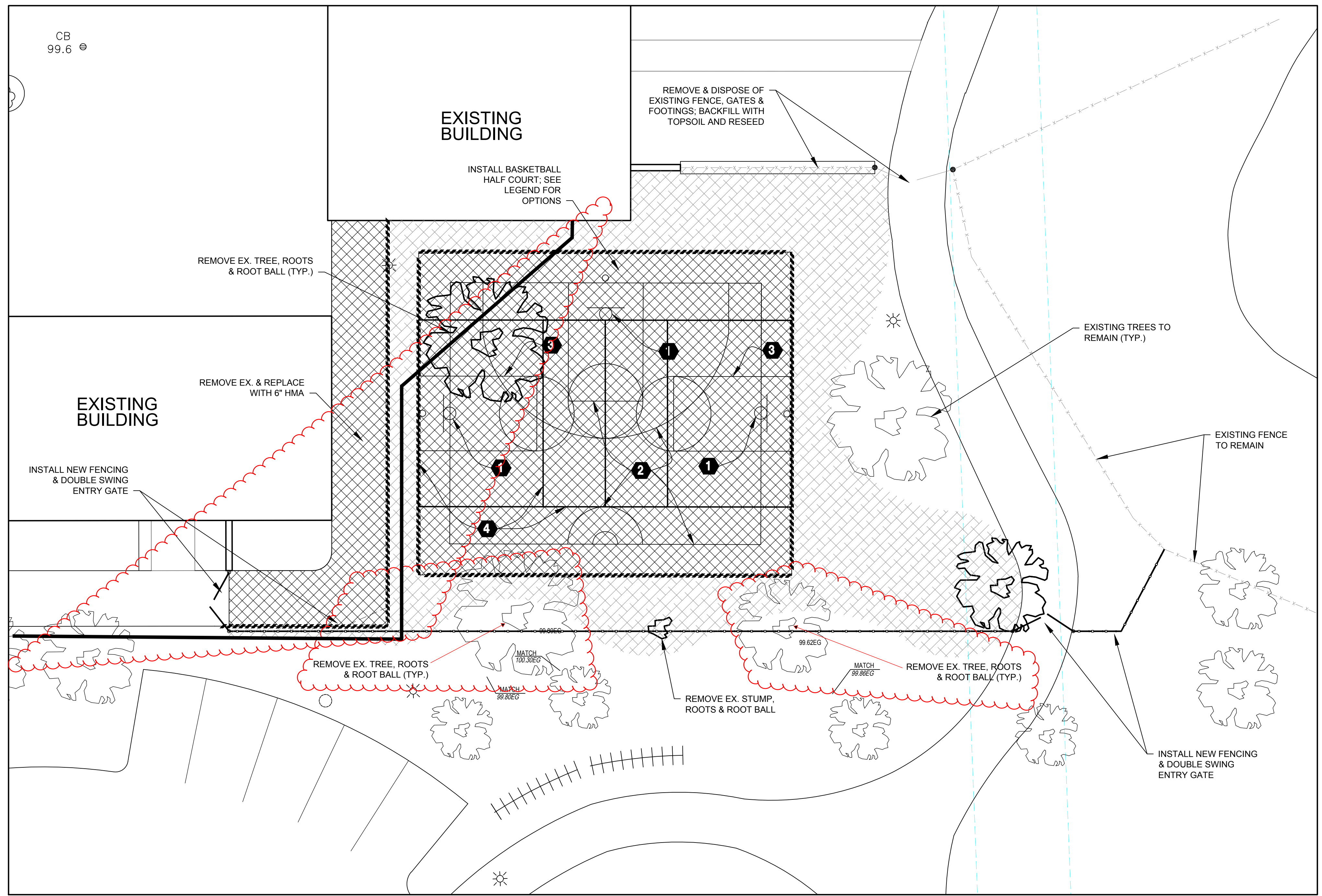
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**EAST SIDE UNION HIGH SCHOOL DISTRICT
INDEPENDENCE HIGH SCHOOL
EXTERIOR COURT & FENCING PROJECT
ENLARGEMENT A - DESIGN**

**FINAL PLANS
FOR
CONSTRUCTION**

DRAWN BY:	TL5
PROJECT NUMBER:	180243_01
SCALE:	1" = 10'
DATE:	OCT. 2018
SHEET NUMBER:	

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ENLARGEMENT B - DESIGN
1" = 10'
NORTH

LEGEND

- EXCAVATE & REMOVE EX. VEGETATION & SOIL TO REQUIRED DEPTH; PLACE 2" TOP SOIL & RESEED
- REMOVE EX. & INSTALL 6" FULL DEPTH HMA
- EXISTING FENCE TO REMAIN
- INSTALL NEW FENCING
- INSTALL REDWOOD HEADERBOARD
- CO CLEAN OUT
- DI DROP INLET
- EB ELECTRICAL BOX
- MH MAN HOLE
- GV GAS VALVE
- SCO SEWER CLEANOUT
- WV WATER VALVE
- 1 INSTALL STEELCRAFT PRODUCTS, MODEL NO. 12044 W/RECTANGULAR SHAPE EXTENSION BASKETBALL POST & STEELCRAFT PRODUCTS MODEL NO. -09X, DELUXE FIBERGLASS BACKBOARD (SHORT), PER THE MANUFACTURER'S RECOMMENDATIONS
- 2 STRIPE MAIN COURT WITH YELLOW PAINT
- 3 STRIPE SIDE COURTS WITH WHITE PAINT
- 4 STRIPE VOLLEYBALL COURT WITH GREEN PAINT
- Existing Storm Drain Line

General Note

1. Hand Dig Fence Post next to existing utilities

REV	DATE	DESCRIPTION	APP

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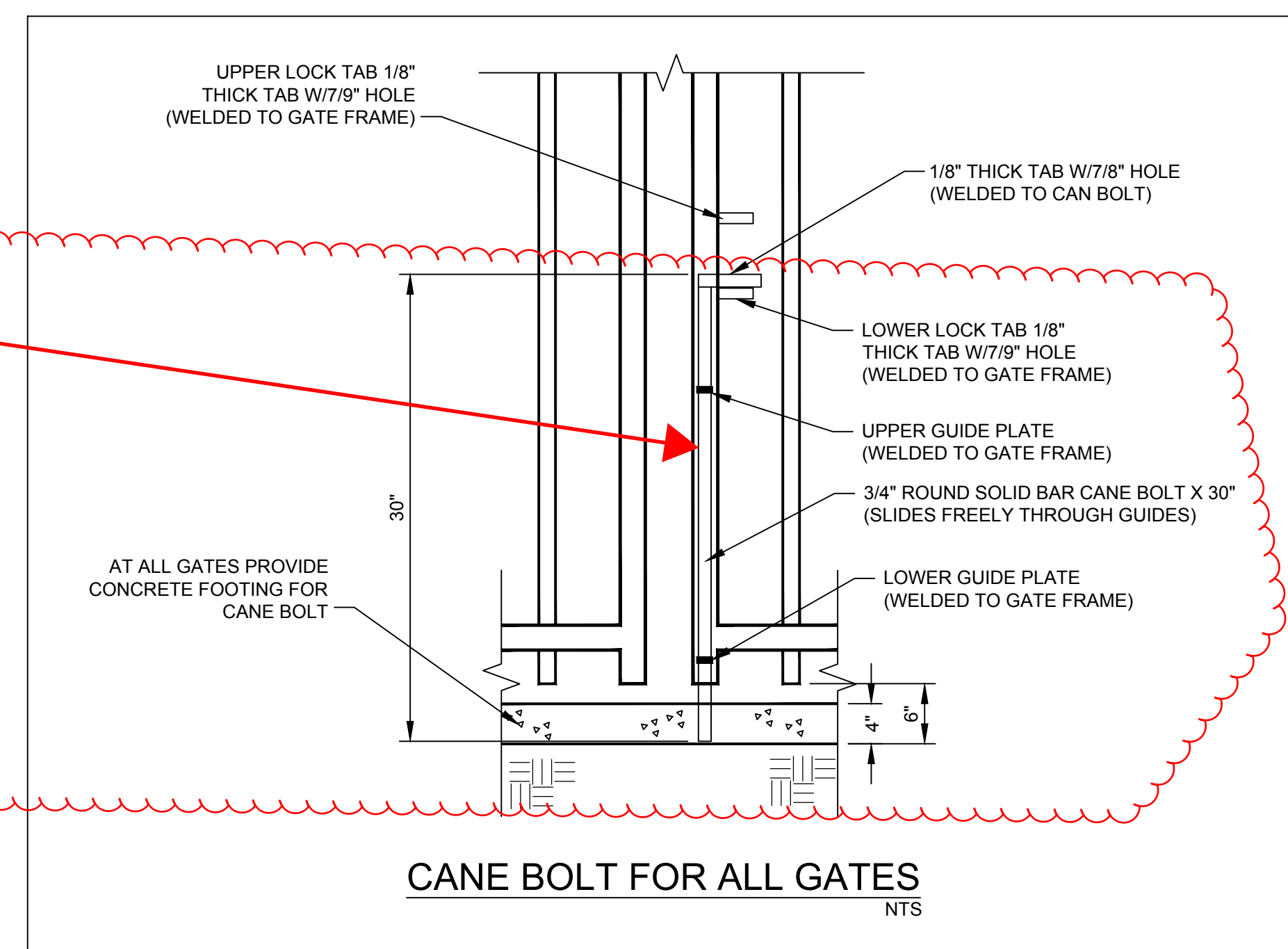
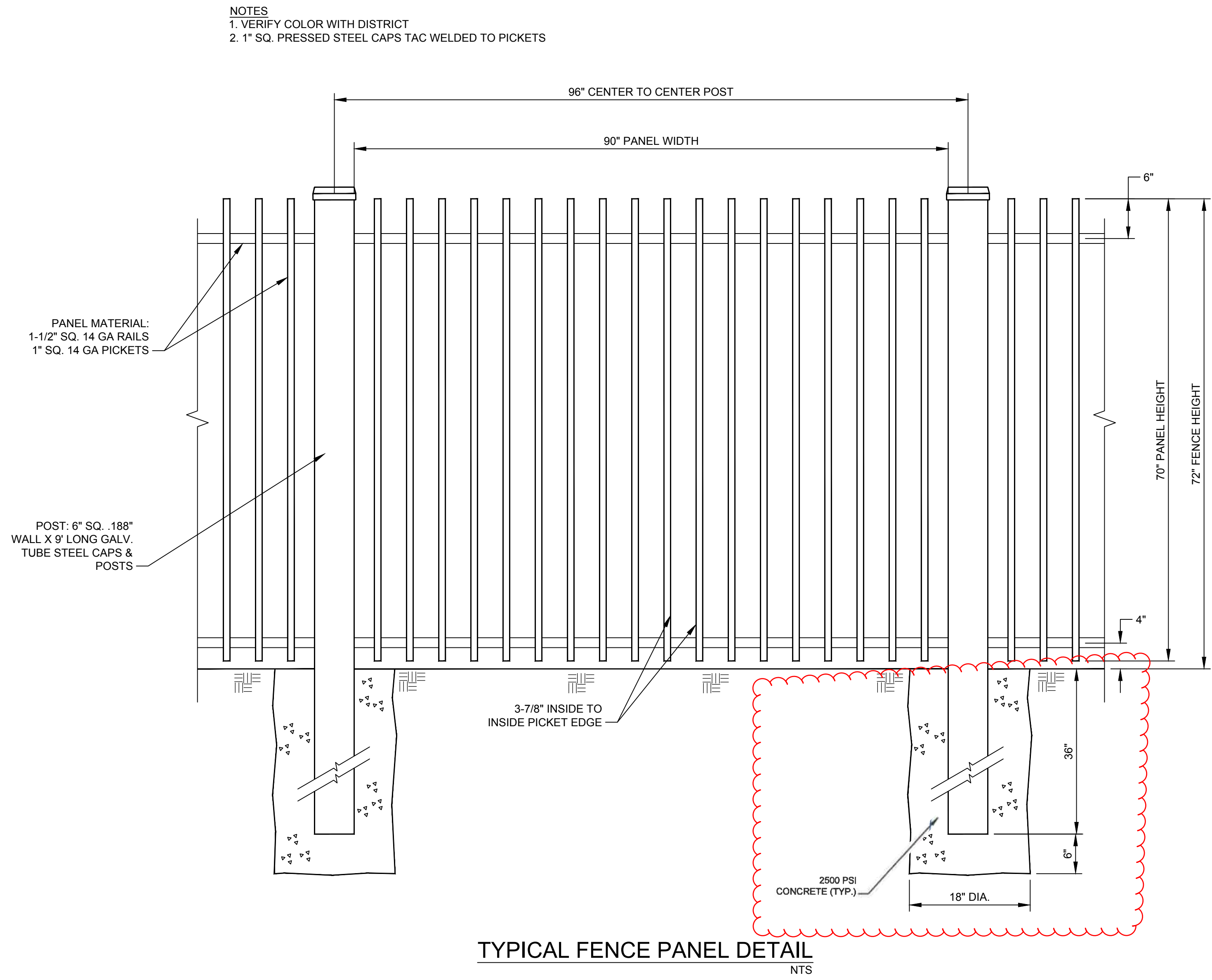
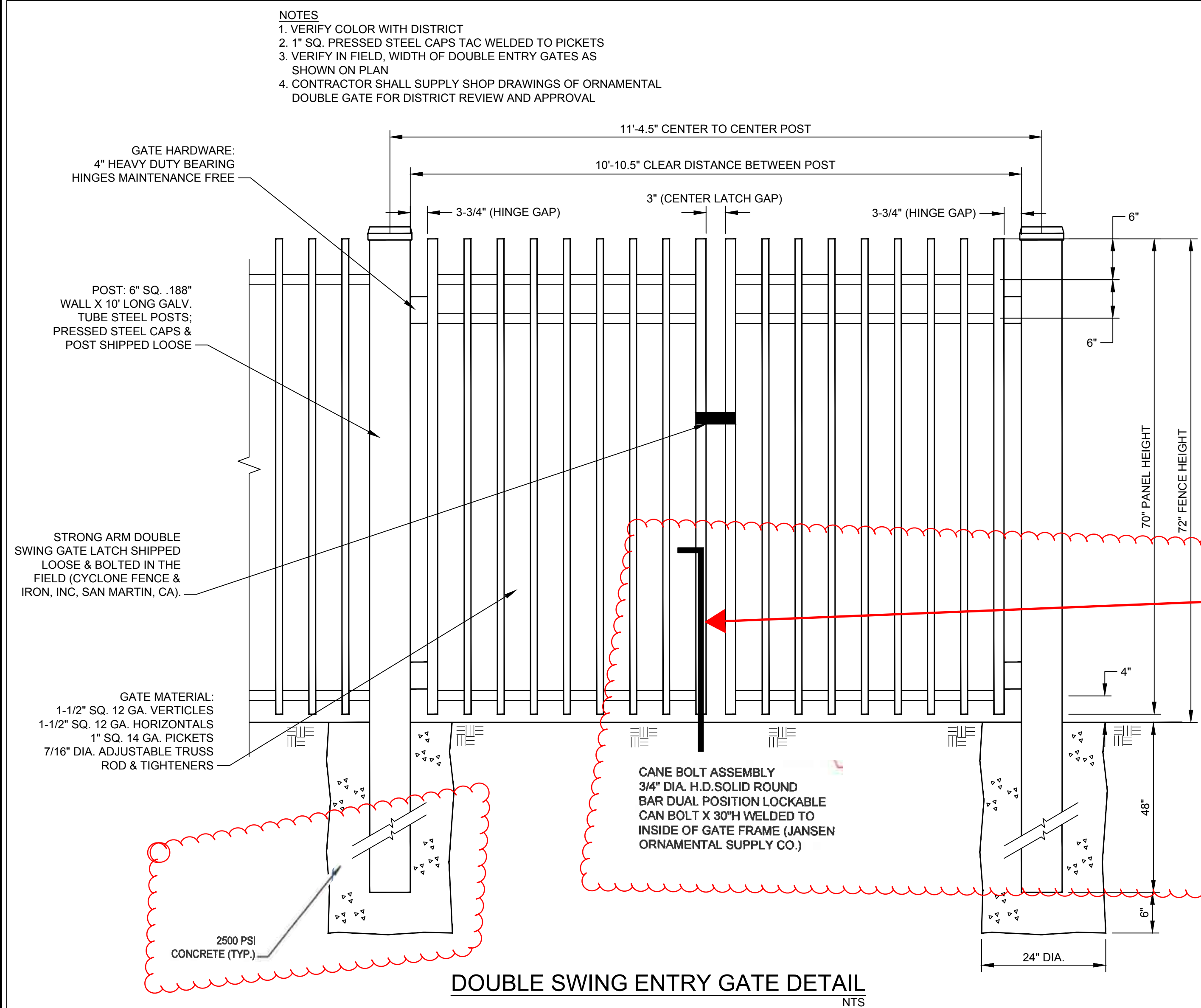
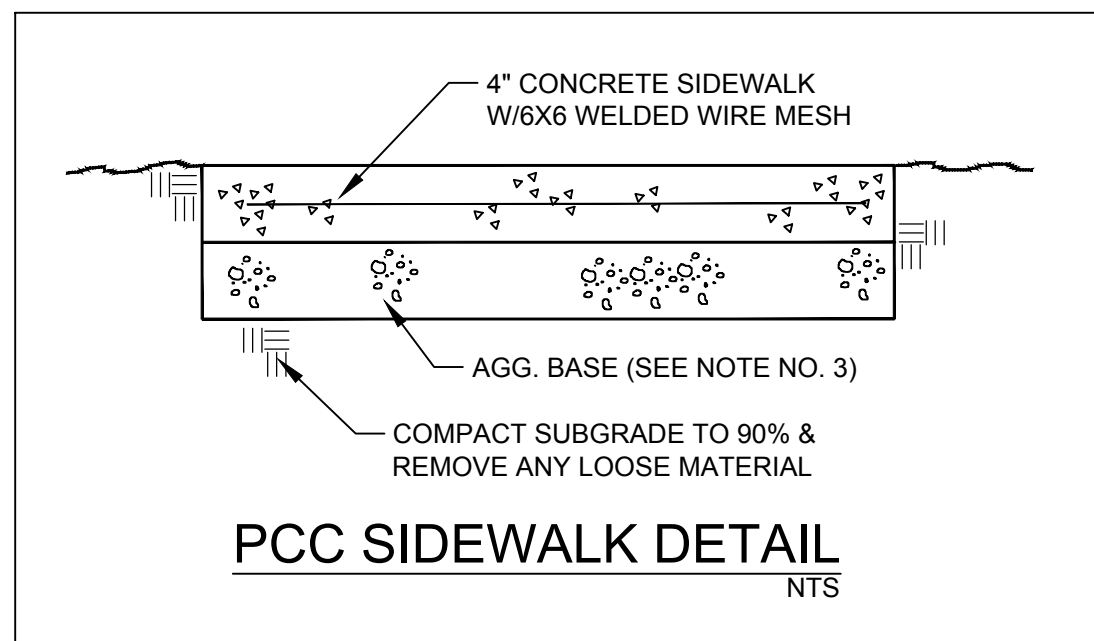
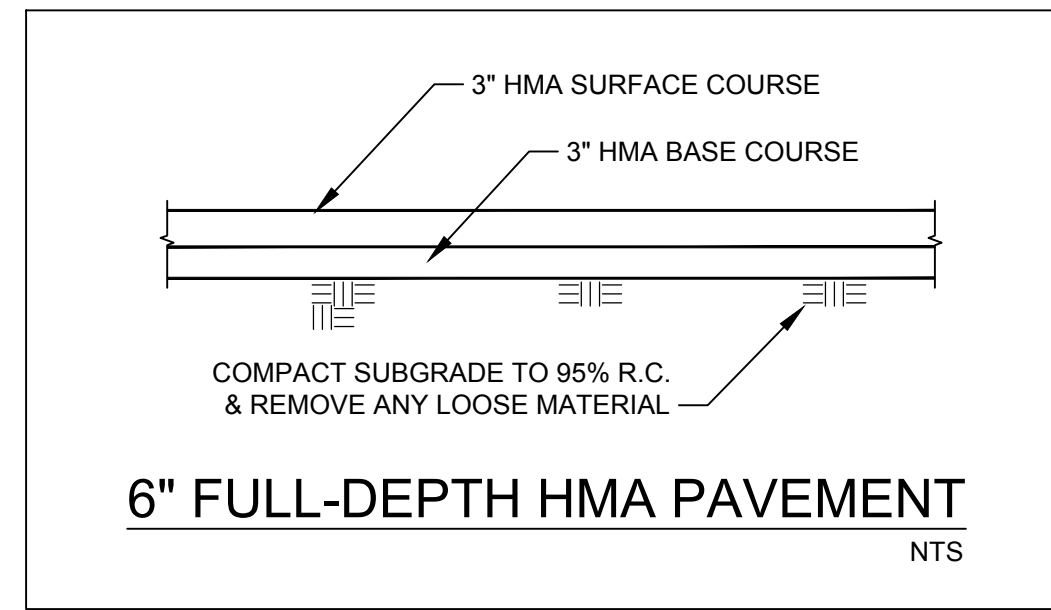
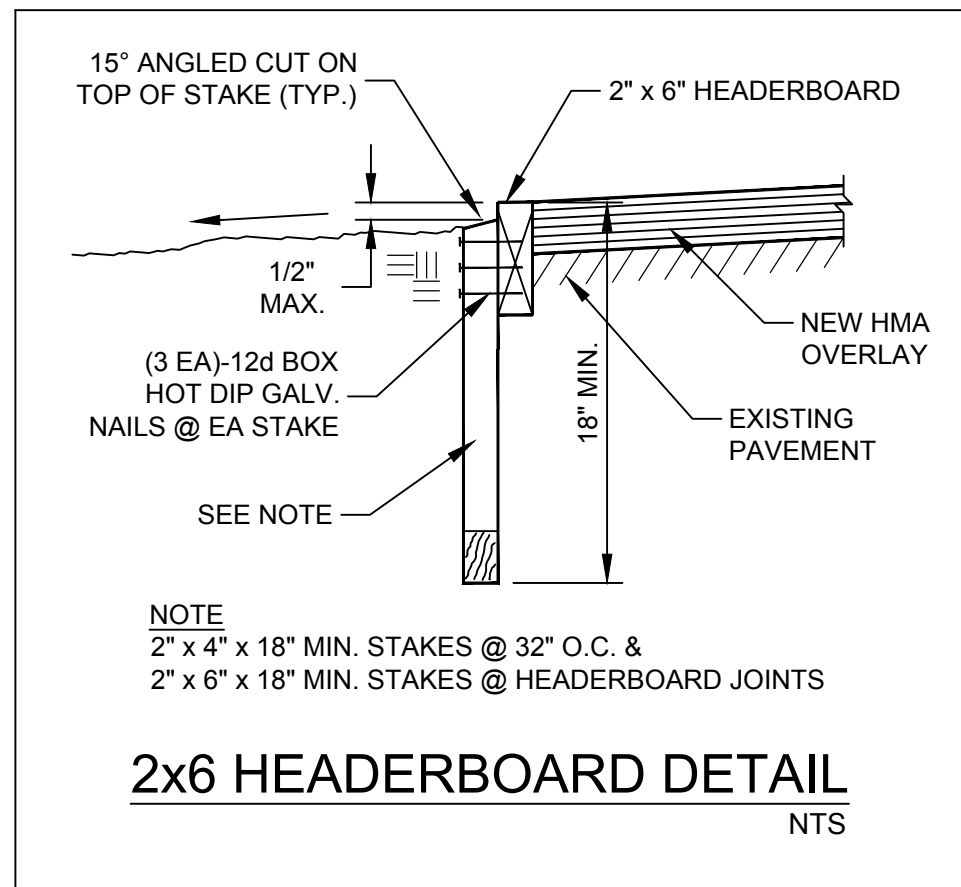
**EAST SIDE UNION HIGH SCHOOL DISTRICT
INDEPENDENCE HIGH SCHOOL
EXTERIOR COURT & FENCING PROJECT
ENLARGEMENT B - DESIGN**

**FINAL PLANS
FOR
CONSTRUCTION**



DRAWN BY: **TLS**
PROJECT NUMBER: **180243_01**
SCALE: **1" = 10'**
DATE: **OCT. 2018**
SHEET NUMBER:

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NOTES
1. VERIFY COLOR WITH DISTRICT
2. 1" SQ. PRESSED STEEL CAPS TAC WELDED TO PICKETS

NOTES
1. VERIFY COLOR WITH DISTRICT
2. 1" SQ. PRESSED STEEL CAPS TAC WELDED TO PICKETS
3. VERIFY IN FIELD, WIDTH OF DOUBLE ENTRY GATES AS SHOWN ON PLAN
4. CONTRACTOR SHALL SUPPLY SHOP DRAWINGS OF ORNAMENTAL DOUBLE GATE FOR DISTRICT REVIEW AND APPROVAL

REV	DATE	DESCRIPTION	APP

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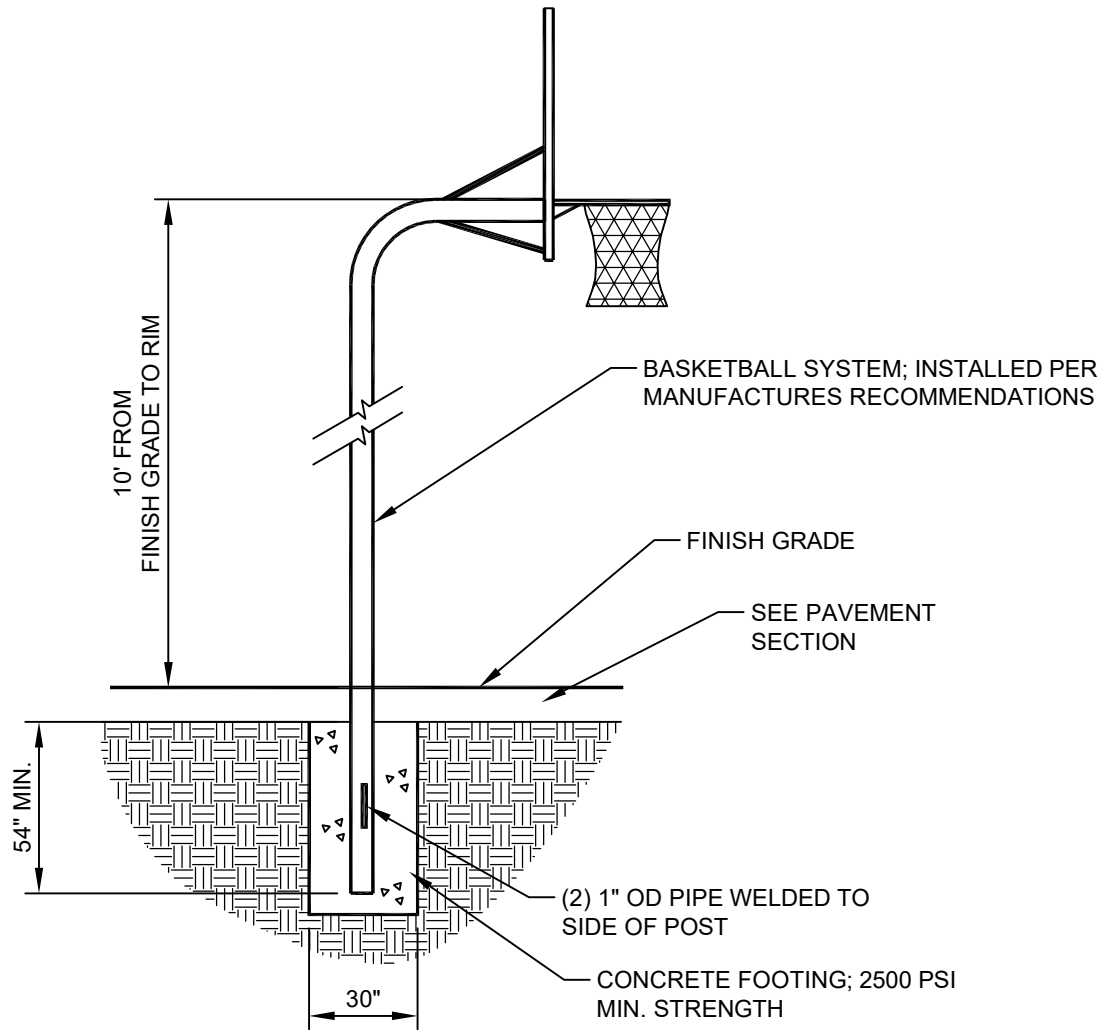
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San Luis Obispo, CA 93401
805.781.2265

EAST SIDE UNION HIGH SCHOOL DISTRICT
INDEPENDENCE HIGH SCHOOL
EXTERIOR COURT & FENCING PROJECT
DETAILS

FINAL PLANS FOR CONSTRUCTION

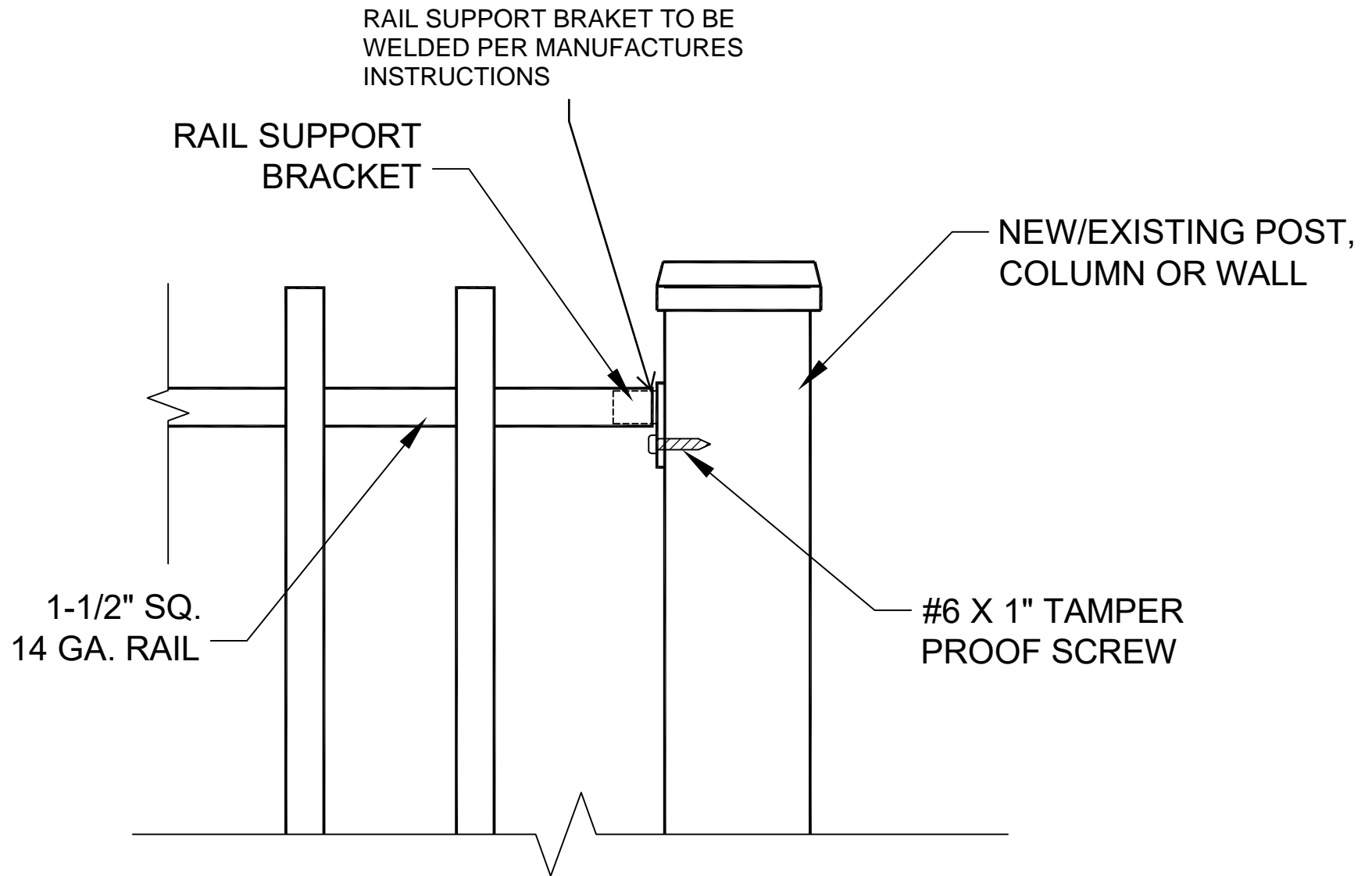
REGISTERED PROFESSIONAL ENGINEER
JOSEPH L. RILEY
C52735
Exp. 12-31-18
CIVIL
STATE OF CALIFORNIA

DRAWN BY:	TLS
PROJECT NUMBER:	180243_01
SCALE:	AS SHOWN
DATE:	OCT. 2018
SHEET NUMBER:	5 of 5



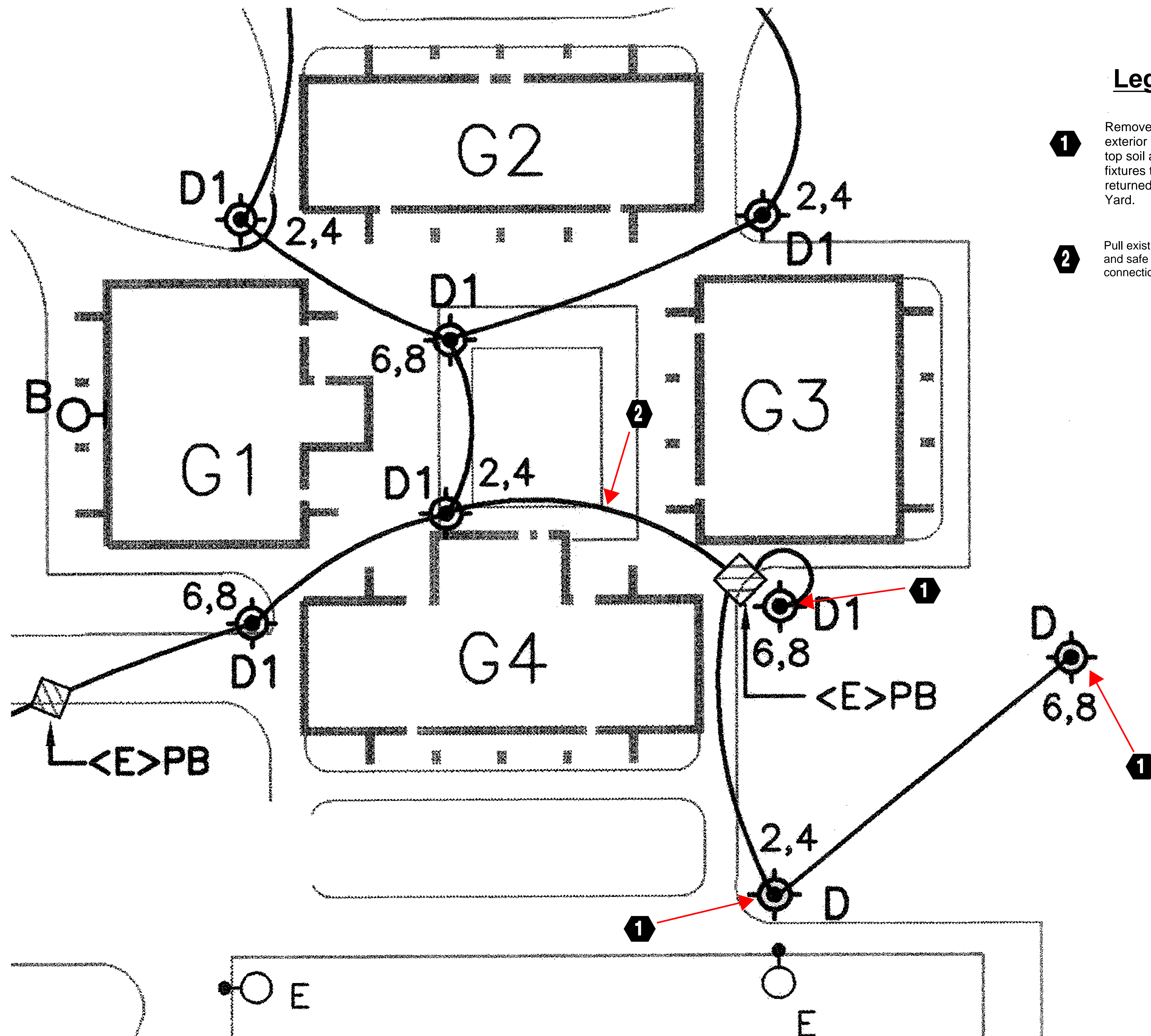
BASKETBALL STANDARD DETAIL

NTS



BRACKET INSTALLATION DETAIL

NTS



Legend

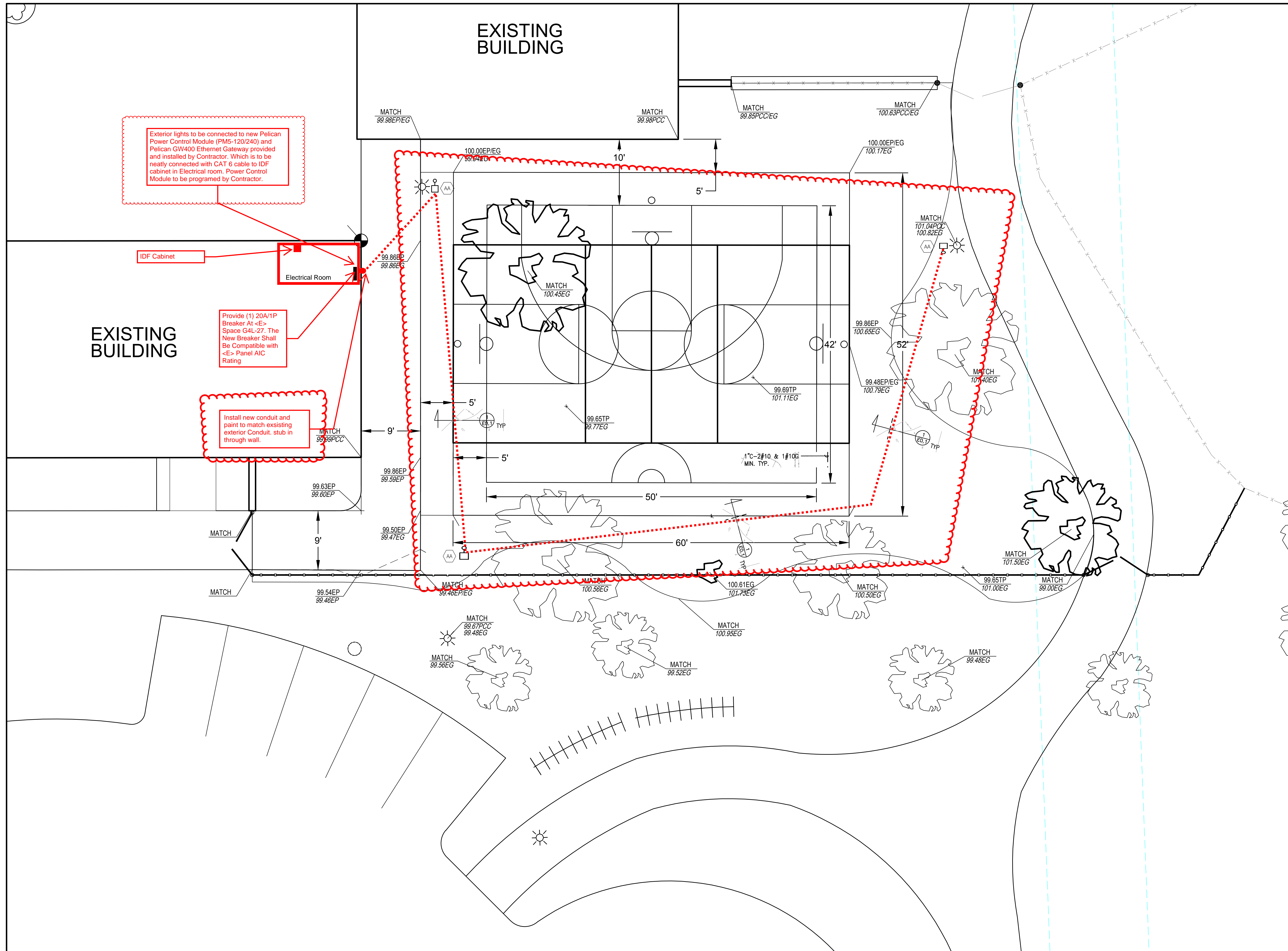
- 1** Remove and dispose of existing exterior light pole base, backfill with top soil and reseed. Light pole and fixtures to be salvaged and returned to District Maintenance Yard.
- 2** Pull existing cable back to source and safe off at nearest point of connection.

PROJECT#
Z-065-603

BID#
B-07-18-19

Addendum No. 1

E1.2
Electrical Demo Plan



Exterior lights to be connected to new Pelican Power Control Module (PMS-120/240) and Pelican GW400 Ethernet Gateway provided and installed by Contractor. Which is to be neatly connected with CAT 6 cable to IDF cabinet in Electrical room. Power Control Module to be programmed by Contractor.

IDF Cabinet

Electrical Room

Provide (1) 20A/1P Breaker At <E> Space G4L-27. The New Breaker Shall Be Compatible with <E> Panel AIC Rating

Install new conduit and paint to match existing exterior Conduit, stub in through wall.

- General Notes:**
1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AN INDEPENDENT UTILITY LOCATOR TO POTHOLE AND IDENTIFY ALL (E) UTILITIES PRIOR TO TRENCHING/BORING. CONTRACTOR SHALL MAXIMIZE USAGE OF BORING TO MINIMIZE DISTURBANCE OF (E) SITE CONDITIONS.
 2. (E) CONDITION SHOWN ON THIS DRAWING WERE OBTAINED FROM AVAILABLE RECORD DRAWINGS. CONTRACTOR SHALL VERIFY EXISTING CIRCUITRY AND VOLTAGE PRIOR TO COMMENCEMENT OF WORK.
 3. VERIFY LOCATION OF LIGHT POLE BASES BEFORE INSTALLING.

IH GHKL MODERNIZATION (EXTERIOR COURT & FENCING)
INDEPENDENCE HIGH SCHOOL
 617 N Jackson Ave, San Jose, CA 95133

PROJECT#
 Z-065-603

BID#
 B-07-18-19

Addendum No. 1

E 1.1
 ELECTRICAL
 SITE PLAN