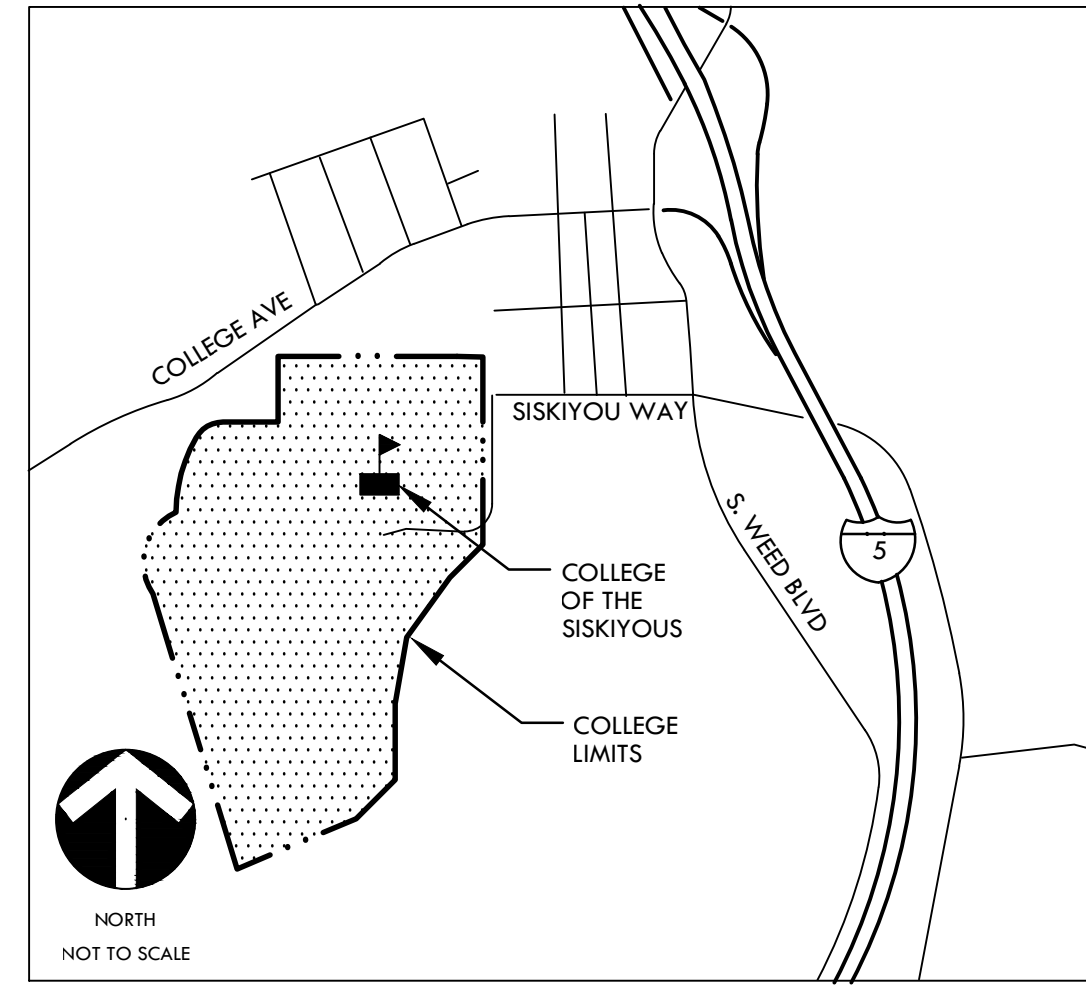
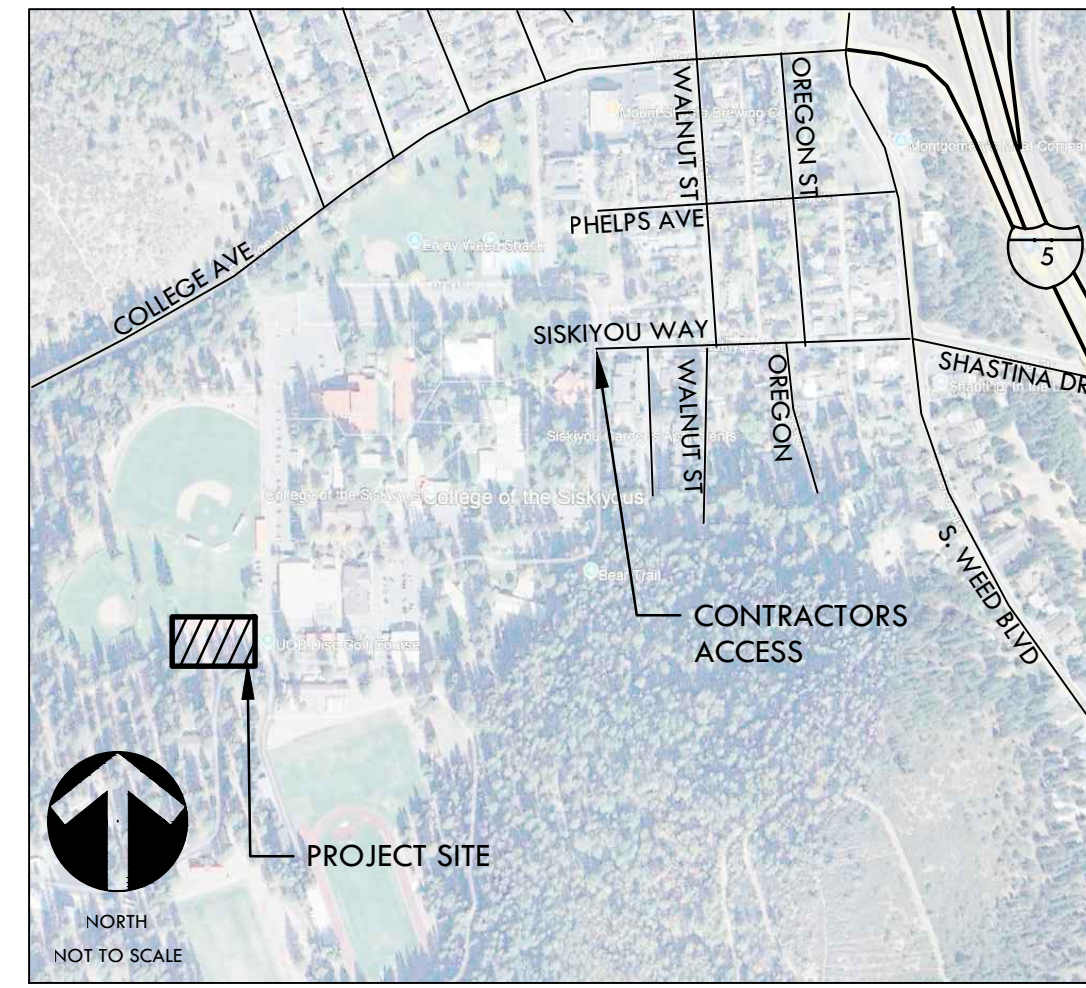


PROJECT MAPS



VICINITY MAP



SITE MAP

# CONSTRUCTION DRAWINGS FOR COLLEGE OF THE SISKIYOU VOLLEYBALL FACILITY

800 College Ave.  
Weed, CA 96094

VERDE DESIGN, INC. PROJECT NO. 2414500

PREPARED BY



**VERDE DESIGN**  
LANDSCAPE ARCHITECTURE  
CIVIL ENGINEERING  
SPORT PLANNING & DESIGN  
3558 Round Barn Blvd, Suite 200  
Santa Rosa, CA 95403  
tel: 707.800.4204  
fax: 408.985.7260  
www.VerdeDesignInc.com

SCOPE OF WORK

SCOPE OF WORK TO INCLUDE, BUT NOT LIMITED TO, INSTALLATION OF NEW PERIMETER EDGING, FENCE POST, SAND, AND VOLLEYBALL EQUIPMENT FOR A NEW VOLLEYBALL FACILITY WITHIN THE FOOTPRINT OF THE EXISTING TENNIS COURTS.

CONTACT INFORMATION

ORGANIZATION	NAME	PHONE
OWNER COLLEGE OF THE SISKIYOU	VERONICA RIVERA	(530) 938-5345
CIVIL ENGINEER/ LANDSCAPE ARCHITECT VERDE DESIGN INC.	DEVIN CONWAY WES DOWNING	(408) 850-3420 (707) 800-4204

SHEET INDEX (5 Sheets)

SHEET NO.	SHEET DESCRIPTION
CIVIL/LANDSCAPE	
-	COVER SHEET
L1.0	IMPROVEMENT PLAN
D1.0	CONSTRUCTION DETAILS
D2.0	SPECIFICATIONS
D2.1	SPECIFICATIONS

APPLICABLE CODES

1. 2022 CBC CHAPTER 35; PROVIDE ALL THE APPLICABLE/ADOPTED STANDARDS. WHERE A PARTICULAR STANDARD IS REFERENCED IN THE CODE BUT DOES NOT APPEAR AS AN ADOPTED STANDARD IT MAY STILL BE USED. APPLY ONLY THE PORTION OF THE STANDARD THAT IS APPLICABLE TO THE CODE SECTION WHERE THE STANDARD IS REFERENCED, NOT THE ENTIRE STANDARD.

- 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.  
(2021 INTERNATIONAL BUILDING CODE VOLUMES 1-2)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.  
(2020 NATIONAL ELECTRICAL CODE)
- 2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.  
(2021 UNIFORM MECHANICAL CODE)
- 2022 CALIFORNIA PLUMBING CODE (CDC), PART 5, TITLE 24 C.C.R.  
(2021 UNIFORM PLUMBING CODE)
- 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
- 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.  
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.  
(2021 INTERNATIONAL EXISTING BUILDING CODE)
- 2021 CALIFORNIA "GREEN" BUILDING REQUIREMENTS OR CAL GREEN, PART 11, TITLE 24 C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
- 2022 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

- LIST OF FEDERAL CODES AND STANDARDS (IF APPLICABLE)
- AMERICANS WITH DISABILITIES ACT (ADA), TITLE II OR TITLE III
  - FOR TITLE II: UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) 28 CFR 35.151(C)
  - OR ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 35)
  - FOR TITLE III: ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36) 28 CFR 36.406
  - 2010 AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN

NOTE: TITLE II APPLIES TO PROJECTS FUNDED AND/OR USED BY STATE AND LOCAL GOVERNMENT SERVICES. TITLE III COVERS PUBLIC ACCOMMODATIONS AND COMMERCIAL FACILITIES. DEPENDING ON THE USE AND FUNDING, BOTH TITLE MAY APPLY TO THE PROJECT.

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS	2022 EDITION
NFPA 14	STANDPIPE SYSTEMS	2019 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 20	STATIONARY FIRE PUMPS	2019 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS	2019 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED)	2022 EDITION
	(NOTE SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2023 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2022 EDITION
ASME 17.1	ELEVATOR STANDARD	2019 EDITION

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS - 2022 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35

ADA STANDARD FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)

2. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.

3. ALL EXISTING FIRE EXTINGUISHING SYSTEMS ARE IN COMPLIANCE WITH UL 300, CBC 904.11, CFC 904.11.

GENERAL NOTES

1. PRIOR TO BIDDING, THE GENERAL CONTRACTOR SHALL VISIT & INSPECT THE SITE & FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AFFECTING THE NEW WORK. THE GENERAL CONTRACTOR SHALL NOT DISPUTE, COMPLAIN OR ASSERT THAT THERE IS ANY MISUNDERSTANDING IN REGARDS TO LOCATION, EXTENT, NATURE OR AMOUNT OF WORK TO BE PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S FAILURE TO INSPECT THE SITE. CONTRACTOR SHALL NOTIFY THE DISTRICT OF ANY CONDITIONS, REQUIRING WORK, WHICH ARE NOT COVERED IN THE CONTRACT DOCUMENTS.
2. NO CONSTRUCTION SHALL COMMENCE WITHOUT THE OFFICIAL NOTICE TO PROCEED FROM THE DISTRICT.
3. THE GENERAL CONTRACTOR & SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UNDERGROUND UTILITIES IN ALL AREAS OF NEW WORK PRIOR TO COMMENCEMENT OF EXCAVATION. EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ROUTING LOCATIONS AS BEST DETERMINED FROM EXISTING DRAWINGS AND THE DISTRICT, BUT SHOULD NOT BE CONSTRUED TO REPRESENT ALL OF THE EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES THAT MAY BE AFFECTED BY NEW FACILITIES IN THIS CONTRACT. VERIFY ACTUAL LOCATION AND DEPTH OF UTILITIES, AND REPORT POTENTIAL CONFLICTS TO THE DISTRICT PRIOR TO EXCAVATING FOR NEW FACILITIES.
4. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PROTECT ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT, IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES CAUSED BY ITS OPERATIONS.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING ITEMS WITHIN SITE IMPROVEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ALL DAMAGED AREAS TO THEIR ORIGINAL CONDITION OR BETTER AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE DISTRICT.
6. DIMENSIONS AND LOCATIONS OF EXISTING FACILITIES ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DISTRICT.
7. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA FIRE CODE AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES, AS WELL AS ADAPTED STANDARDS.
8. ALL NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH, AND AS A SUPPLEMENT TO, THE WRITTEN SPECIFICATIONS AND DETAILS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
9. THIS DRAWING SET SHALL BE USED IN CONJUNCTION WITH THE CSI FORMAT SPECIFICATIONS PUBLISHED IN BOOK FORM. COMBINED, THEY ARE HEREIN REFERRED TO AS THE "CONTRACT DOCUMENTS".
10. DIMENSIONS ON WORKING DRAWINGS TAKE PRECEDENCE OVER MEASURED ELEMENTS. CONTRACTOR SHALL NOT SCALE DRAWINGS.
11. ALL TYPICAL DETAILS SHALL APPLY UNLESS NOTED OTHERWISE.
12. CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL AND KEEP MUD AND DEBRIS OFF THE PUBLIC RIGHT-OF-WAY AT ALL TIMES.
13. ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE SECTIONS OF CALIFORNIA AND FEDERAL O.S.H.A. REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHORING DESIGN AND INSTALLATION.
14. ANY ALTERATIONS OF EXISTING FACILITIES TO ACCOMMODATE THE INSTALLATION OF NEW WORK SHALL BE REVIEWED BY THE DISTRICT PRIOR TO COMMENCING WORK.
15. CONTRACTOR SHALL COORDINATE ALL WORK TO AVOID DISTURBING STUDENTS OR TEACHERS DURING SCHOOL HOURS. ANY DISRUPTION OF THE UTILITIES MUST BE COORDINATED AND APPROVED BY THE DISTRICT AND INSPECTOR OF RECORD PRIOR TO COMMENCING WORK.
16. ALL TEMPORARY WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
17. THE PLANS AND SPECIFICATIONS DO NOT UNDERTAKE TO SHOW OR LIST EVERY ITEM TO BE PROVIDED, BUT RATHER TO DEFINE THE REQUIREMENTS FOR A FULL AND WORKING SYSTEM FROM THE STANDPOINT OF THE END USER. FOR THIS REASON, WHEN AN ITEM NOT SHOWN OR LISTED IS CLEARLY NECESSARY FOR PROPER CONTROL/OPERATION OF EQUIPMENT WHICH IS SHOWN OR LISTED, THE CONTRACTOR SHALL PROVIDE AN ITEM WHICH WILL ALLOW THE SYSTEM TO FUNCTION PROPERLY AT NO INCREASE IN PRICE.
18. ALL CONTRACTORS SHALL REMOVE TRASH AND DEBRIS STEMMING FROM THEIR WORK ON A DAILY BASIS. PROJECT SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY CONDITION.
19. THE DETAILS REFLECT THE DESIGN INTENT FOR TYPICAL CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND SHALL INCLUDE, IN HIS SCOPE, THE COST FOR COMPLETE FINISHED INSTALLATIONS, INCLUDING ANOMALIES, OF ALL TRADES.
20. NO WORK SHALL COMMENCE WITH UNAPPROVED MATERIALS. ANY WORK DONE WITH UNAPPROVED MATERIALS AND EQUIPMENT IS AT THE CONTRACTOR'S RISK AND IS SUBJECT TO REJECTION AND REPLACEMENT. SEE SPECIFICATIONS FOR SUBMITTAL AND SUBSTITUTION REQUIREMENTS.
21. CONSTRUCTION MATERIALS STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED SO AS TO PREVENT DAMAGE OR DETERIORATION UNTIL USED. FAILURE IN THIS REGARD MAY BE CAUSE FOR REJECTION OF MATERIAL AND/OR WORK.
22. ALL EQUIPMENT SHALL BE FABRICATED FROM FIELD VERIFIED DIMENSIONS AND APPROVED SHOP DRAWINGS. COORDINATE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.
23. CONTRACTOR SHALL PERFORM THEIR CONSTRUCTION AND OPERATIONS IN A MANNER WHICH WILL NOT ALLOW HARMFUL POLLUTANTS TO ENTER THE STORM DRAIN SYSTEM. TO ENSURE COMPLIANCE, THE CONTRACTOR SHALL IMPLEMENT THE APPROPRIATE BEST MANAGEMENT PRACTICE (BMP) AS OUTLINED IN THE BROCHURES ENTITLED "BEST MANAGEMENT PRACTICE FOR THE CONSTRUCTION INDUSTRY" ISSUED BY THE CALIFORNIA STORM WATER QUALITY ASSOCIATION, NONPOINT SOURCE POLLUTION CONTROL PROGRAM, TO SUIT THE CONSTRUCTION SITE AND JOB CONDITION. THE CONTRACTOR SHALL PRESENT THEIR PROPOSED BMP AT THE PRECONSTRUCTION MEETING FOR DISCUSSION AND APPROVAL.
24. CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION FENCING PER CONTRACT DOCUMENTS TO SERVE LIMIT OF WORK AREAS. FENCING MAY BE ADJUSTED DURING CONSTRUCTION BASED ON CONSTRUCTION SEQUENCE OR THE DISTRICT'S DIRECTION.
25. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT IN THE STREET RIGHT-OF-WAY SHALL NOT BE PERMITTED.

C0.0

COVER SHEET

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### IMPROVEMENTS LEGEND

SYM	DESCRIPTION	DTL REF	SYM	DESCRIPTION	DTL REF
-SD-	EXISTING STORM DRAIN LINE. LINE TO REMAIN AND BE PROTECTED		-L- (Dotted)	LIMIT OF WORK	
TOS	TOP OF COURT SURFACE		(Dotted pattern)	BEACH VOLLEYBALL SAND (OWNER FURNISHED, CONTRACTOR INSTALLED). SAND SHALL BE INSTALLED OVER EXISTING TENNIS COURTS SURFACING. CONTRACTOR SHALL FILL EXISTING TENNIS COURTS CRACKS WITH PLASTER SAND MATERIAL, THEN LAY DOWN IMPERMEABLE PVC LINER (ACCLUGEO PVC LINER), AND FINALLY INSTALL VOLLEYBALL SAND. (1,233 CY)	F DT.0
(E)	EXISTING		(Circle with dot)	CATCH BASIN (CB), SIZE PER PLAN	A DT.0
CB	CATCH BASIN		FP (dashed)	12" FLAT PANEL PIPING (828 LF)	B DT.0
INV	INVERT		(Dotted)	VOLLEYBALL EDGE - TYPE 1 WITH 6 FT TALL CHAIN LINK FENCE (242 LF)	D, E DT.0
RIM	RIM ELEVATION		(Dotted)	VOLLEYBALL EDGE - TYPE 2 (334 LF)	C DT.0
			(Circle with 1)	BEACH VOLLEYBALL POST & FOOTING, REFER TO SPECIFICATIONS FOR NETTING INFORMATION	H DT.0
			(Circle with 2)	VOLLEYBALL EDGE PADDING (575 LF), REFER TO SPECIFICATIONS.	
			(Circle with 3)	EXISTING CONCRETE BALL WALL WALL SHALL REMAIN AND BE PROTECTED.	
			(Circle with 4)	EXISTING COURT FENCING AND GATES. FENCING AND GATES SHALL REMAIN AND BE PROTECTED.	
			(Circle with 5)	FENCE OPENING	I DT.0
			(Circle with 6)	STAIRS	J DT.0

- ### IMPROVEMENTS NOTES
- THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL OF OBSTRUCTIONS AND SITE PREPARATIONS NECESSARY FOR THE PROPER EXECUTION OF ALL WORK CONTAINED IN THE CONTRACT DOCUMENTS.
  - THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE AND REDIRECT WORK TO AVOID DELAY.
  - ALL EXISTING ITEMS ARE TO REMAIN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT CONTRACTOR'S EXPENSE, ANY EXISTING ITEM DAMAGED OR DESTROYED BY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY AND ALL DAMAGES TO ADJACENT PROPERTIES. THE DAMAGED ITEMS SHALL BE RESTORED TO AN "AS-WAS" OR BETTER CONDITION OR REPLACED PER THE DISCRETION OF THE OWNER'S REPRESENTATIVE.
  - THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
  - THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
  - ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND ACCEPTED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING ANY CONCRETE.

STAMP

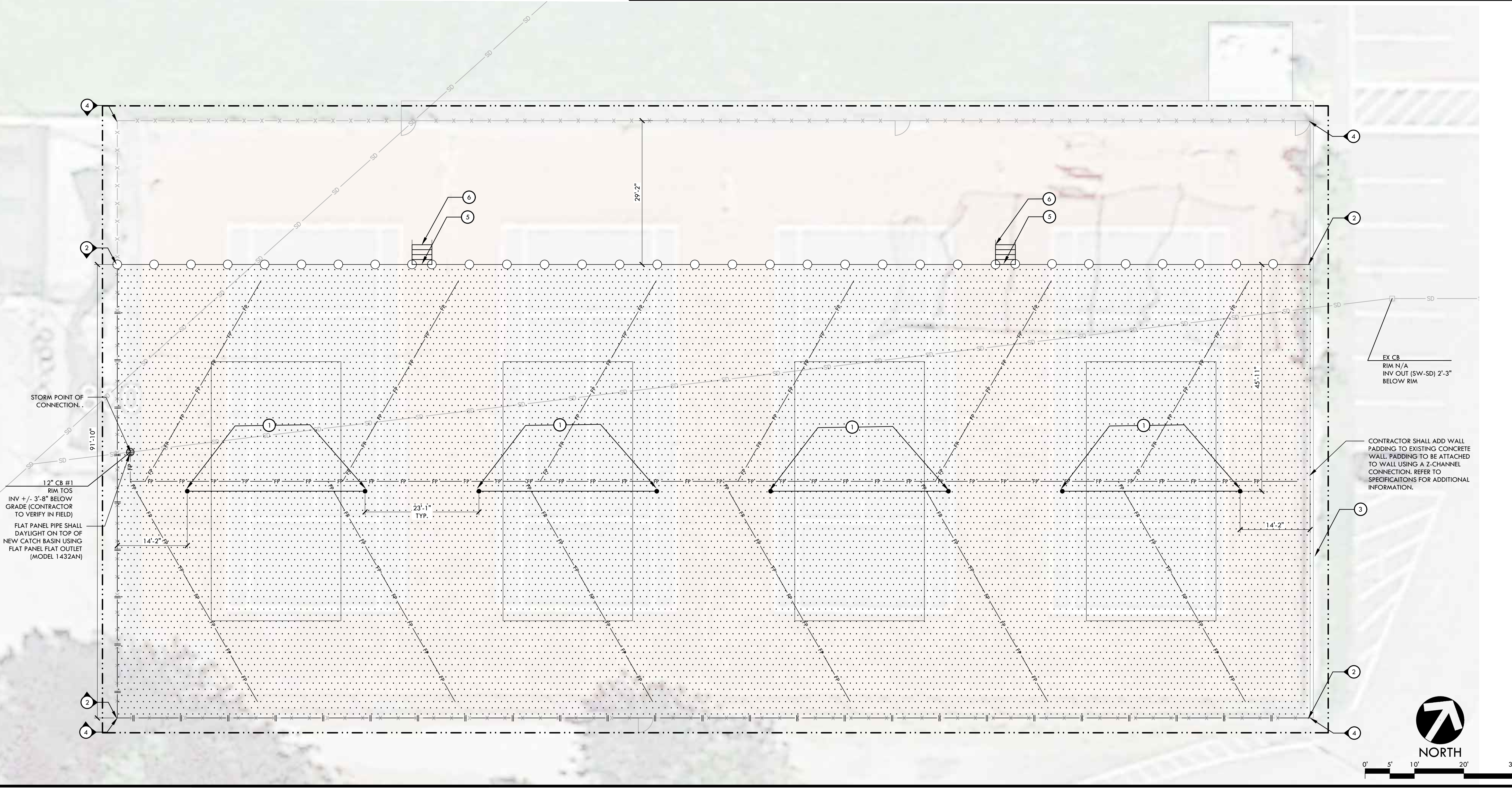




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CONSULTANT



SHEET TITLE

### IMPROVEMENTS PLAN

PROJECT NAME

### COLLEGE OF THE SISIYOUS VOLLEYBALL FACILITY

PROJECT ADDRESS

**800 COLLEGE DR  
WEED, CA 96094**

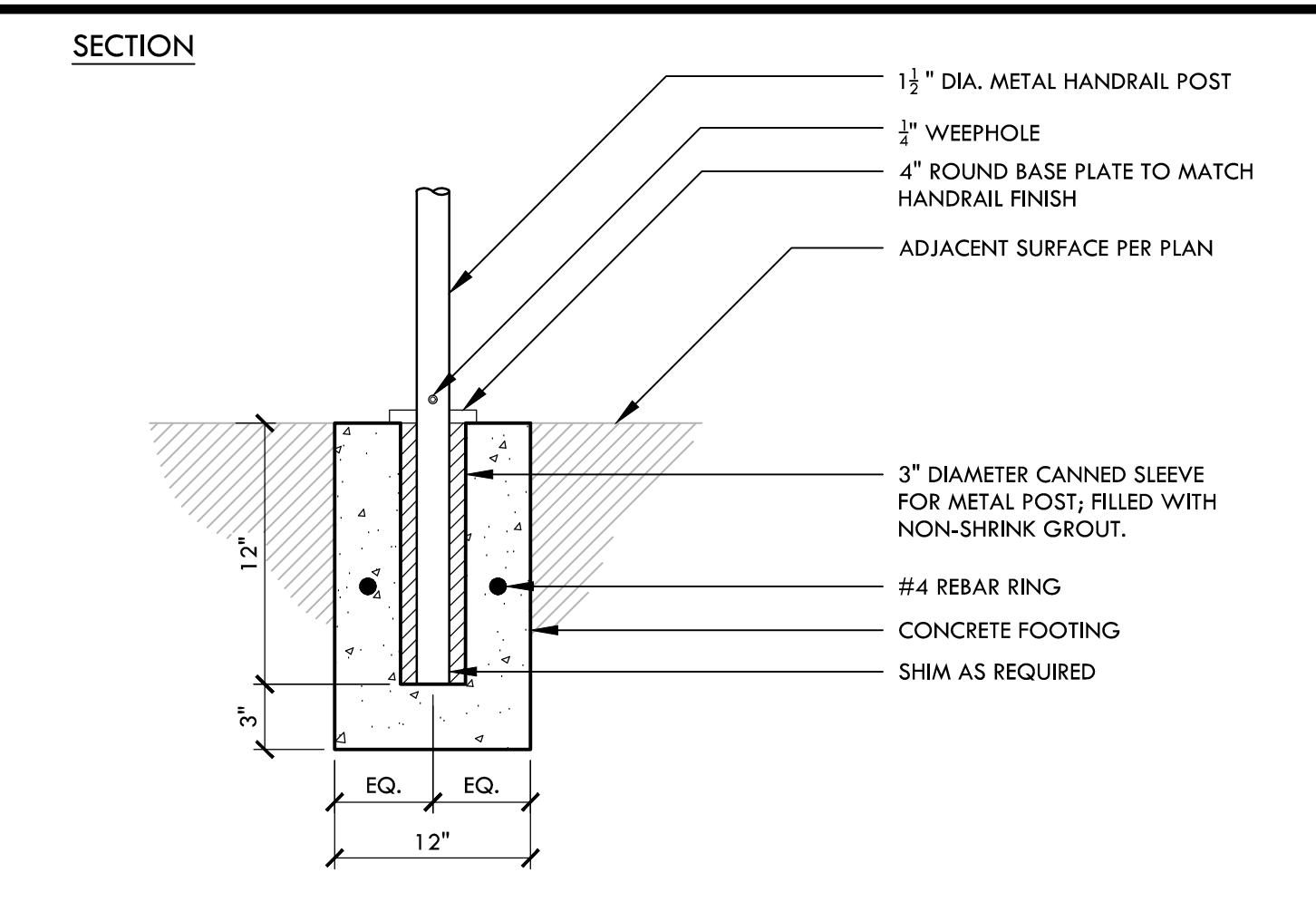
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NO.	REVISIONS	DATE

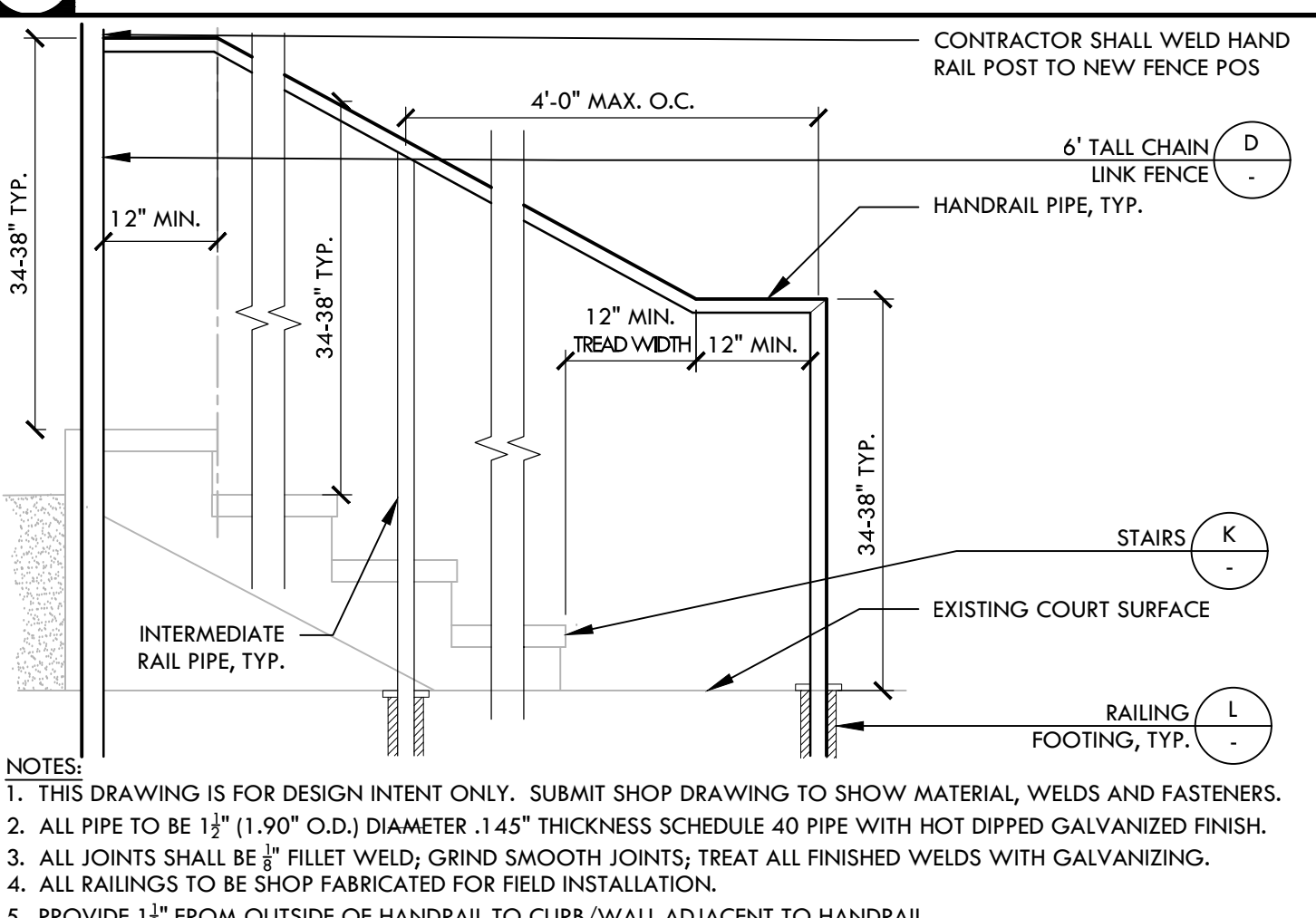
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SHEET NO.	<b>L1.0</b>		

IMPROVEMENTS PLAN

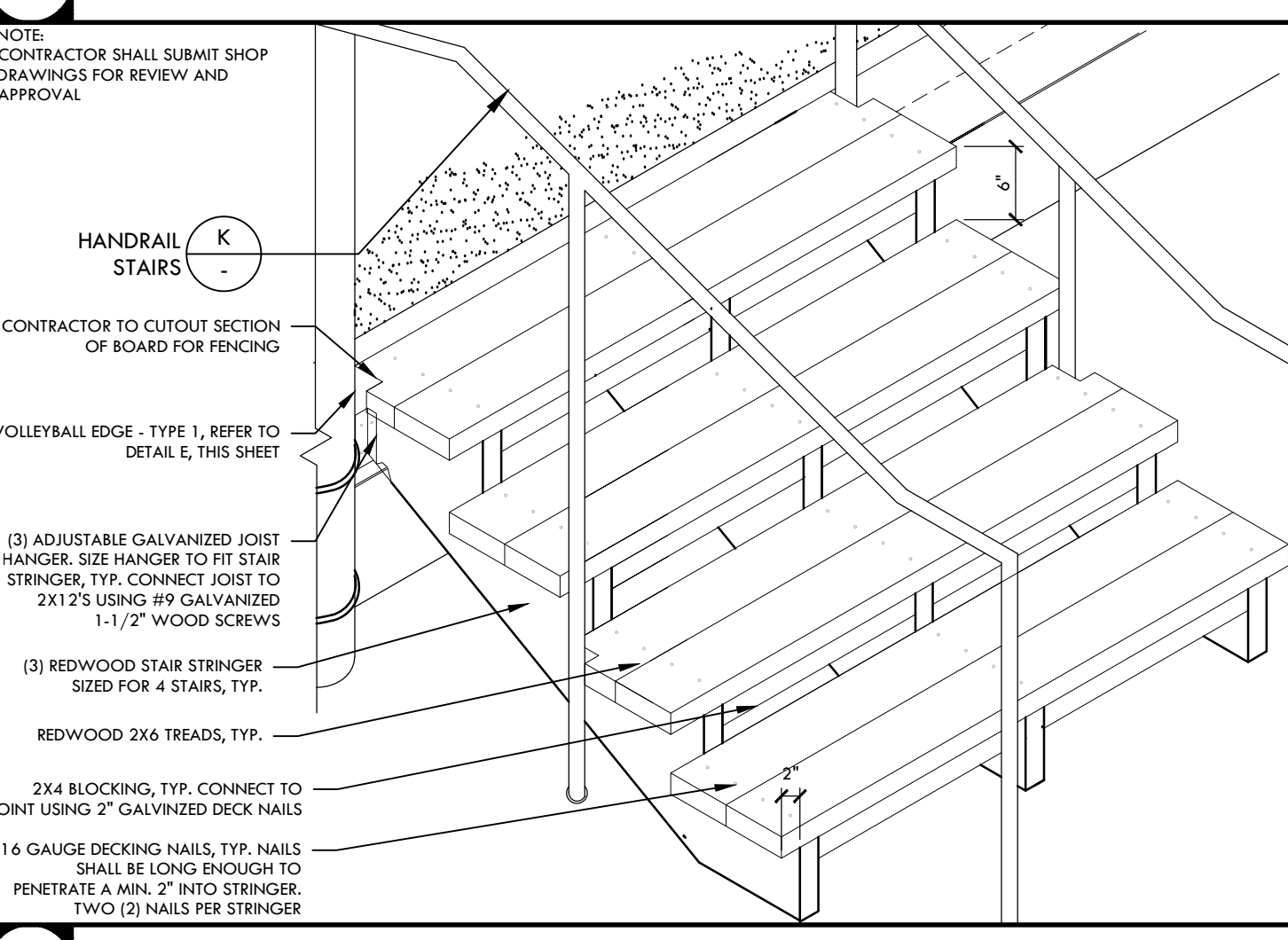
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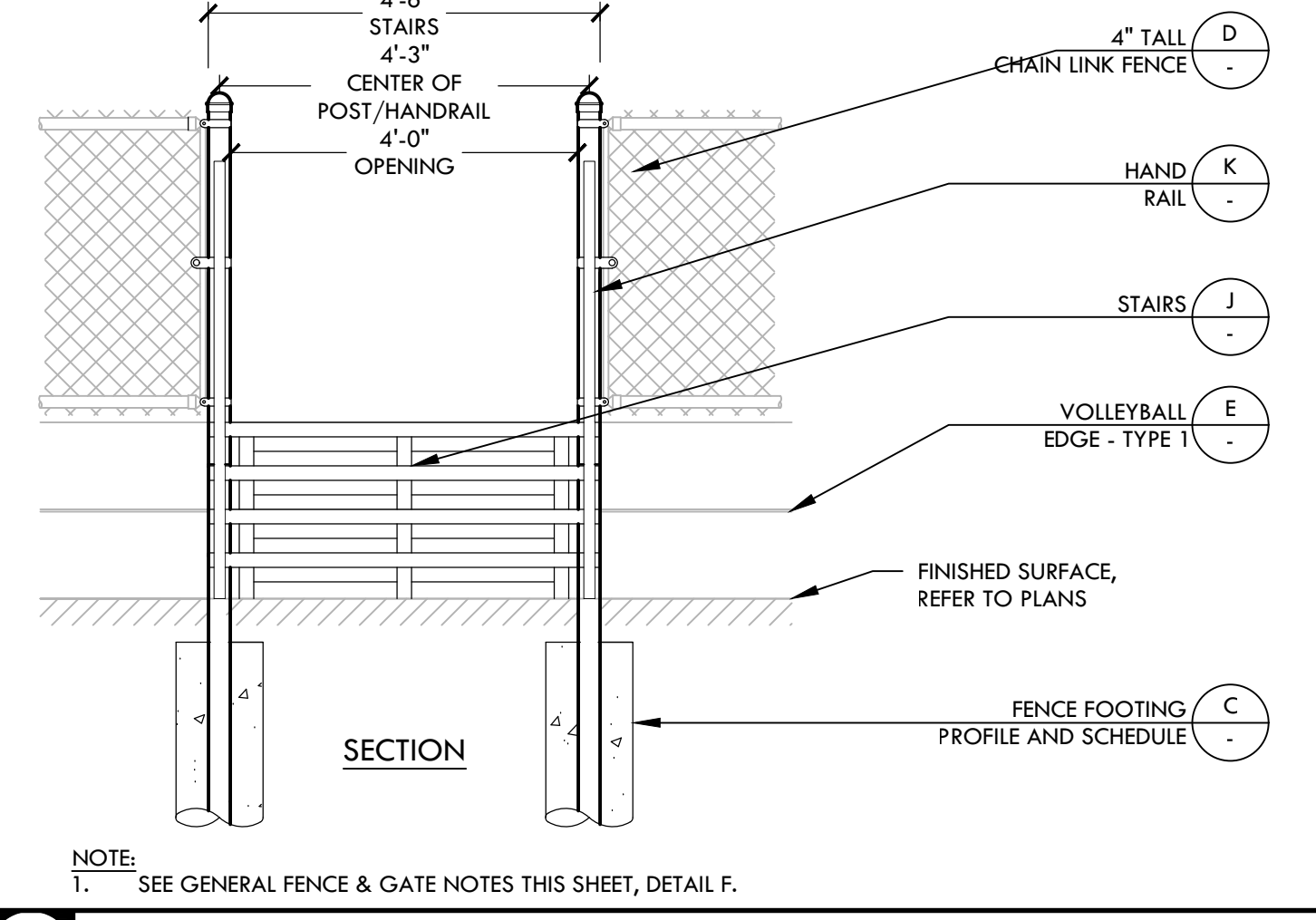
**L RAILING FOOTING** NTS



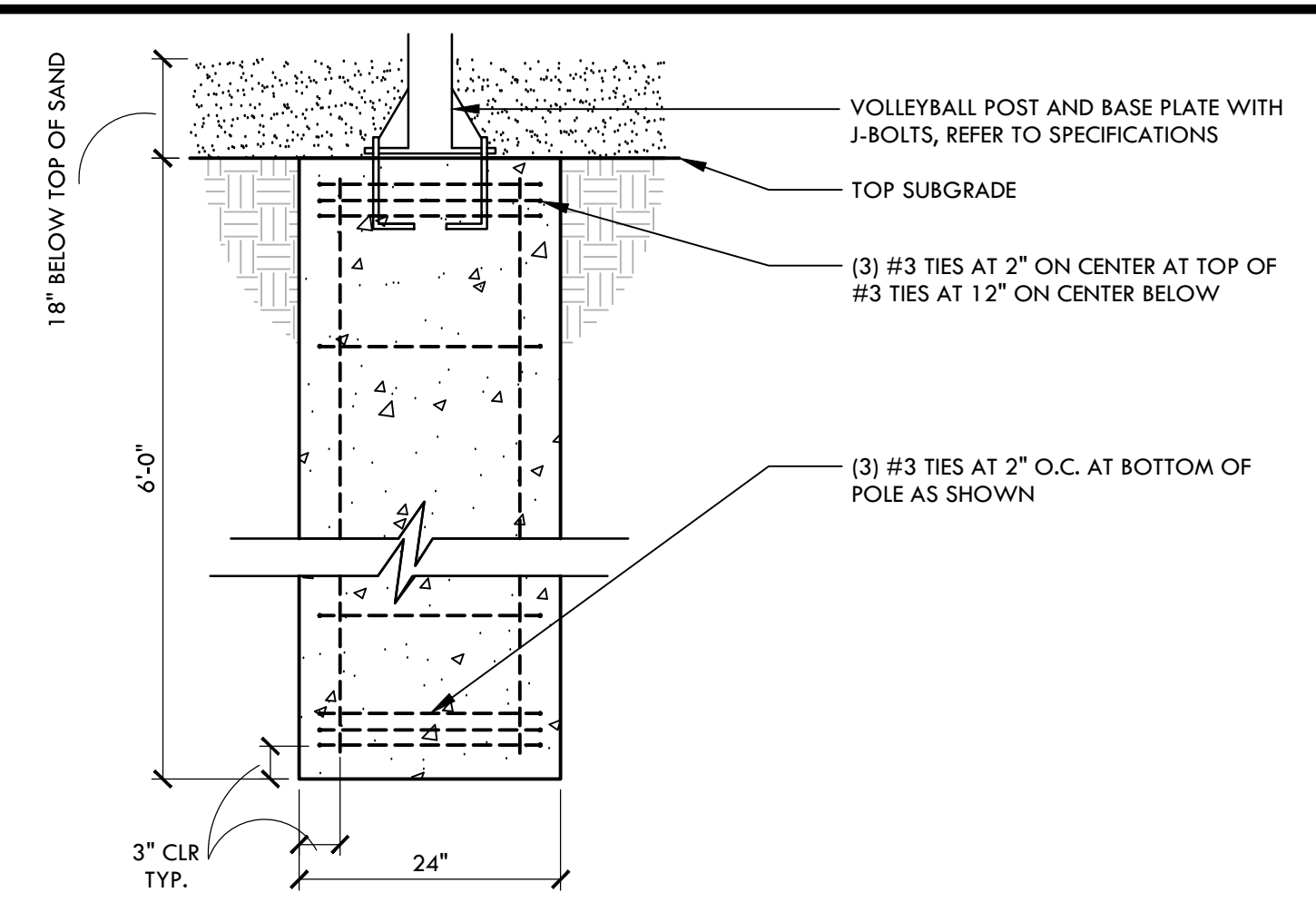
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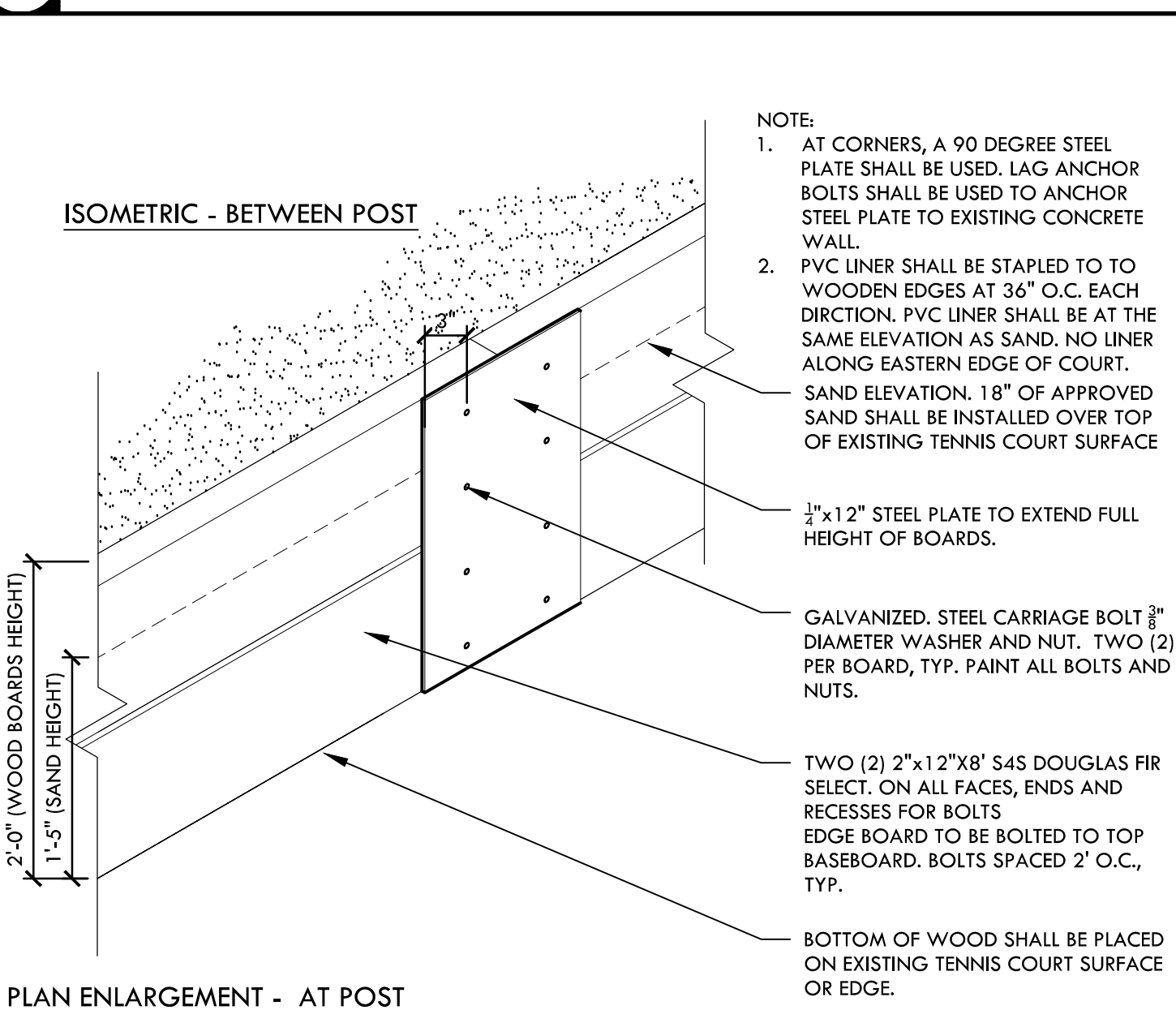
**J STAIRS** NTS



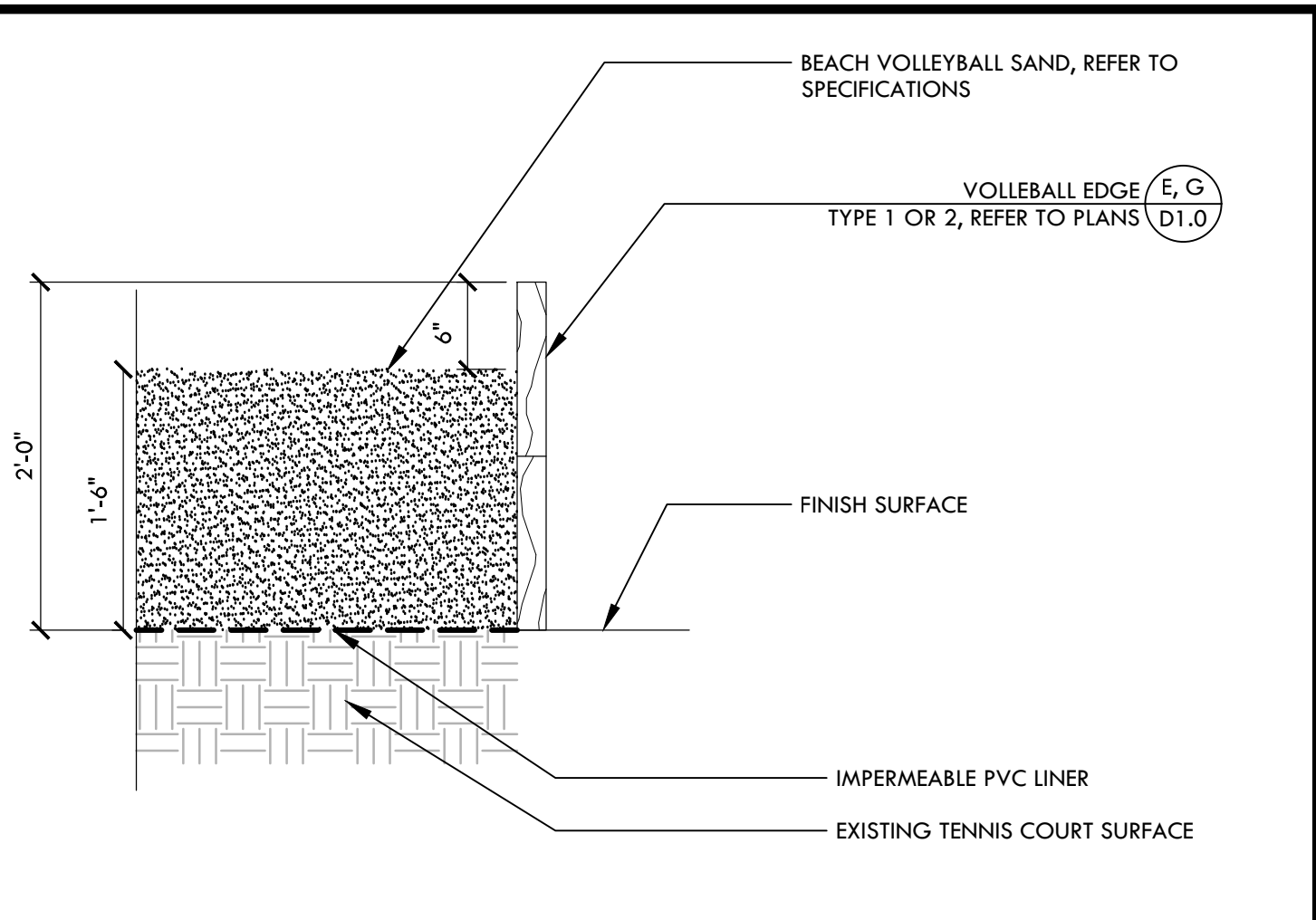
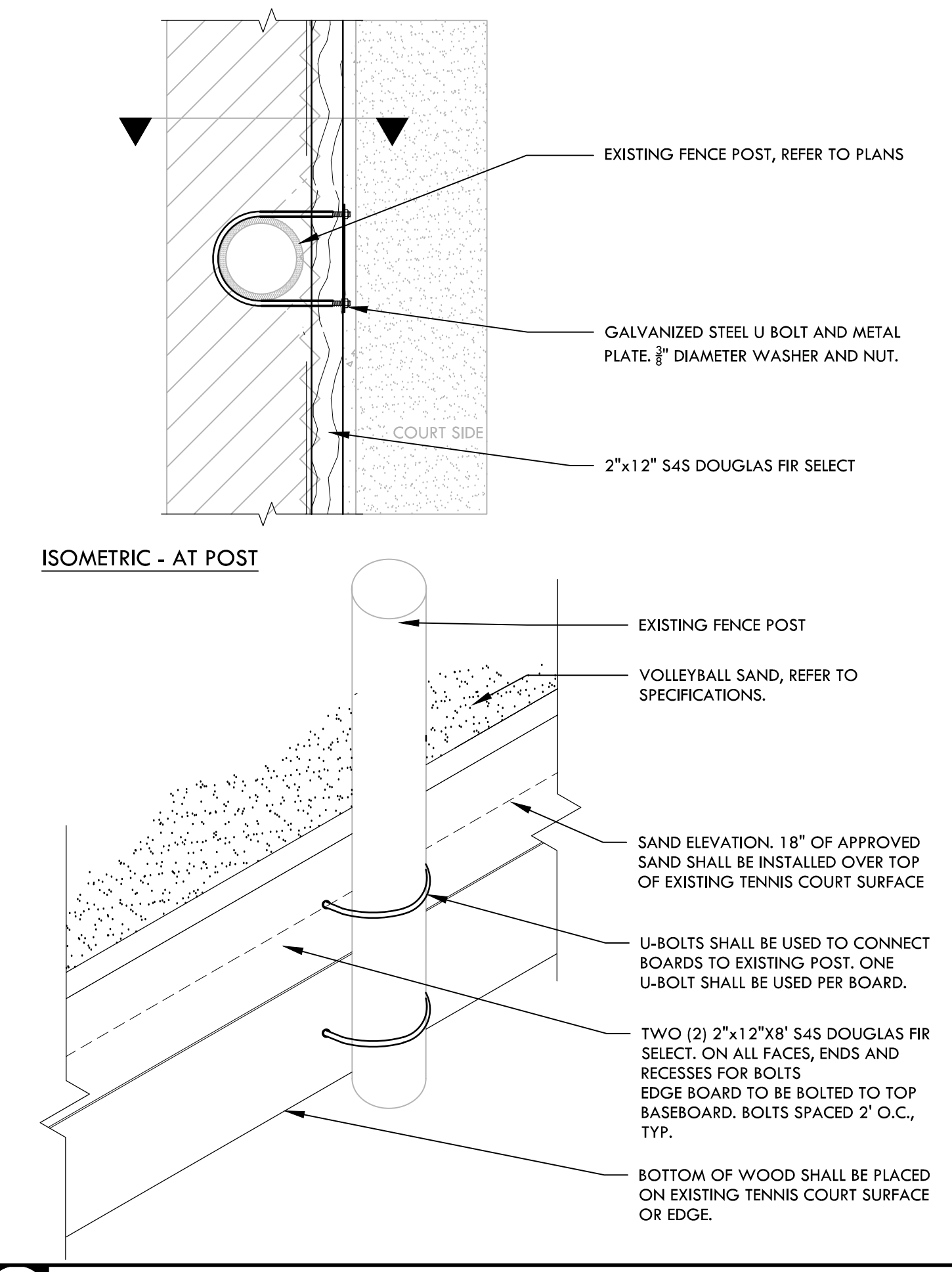
**I FENCE OPENING** NTS



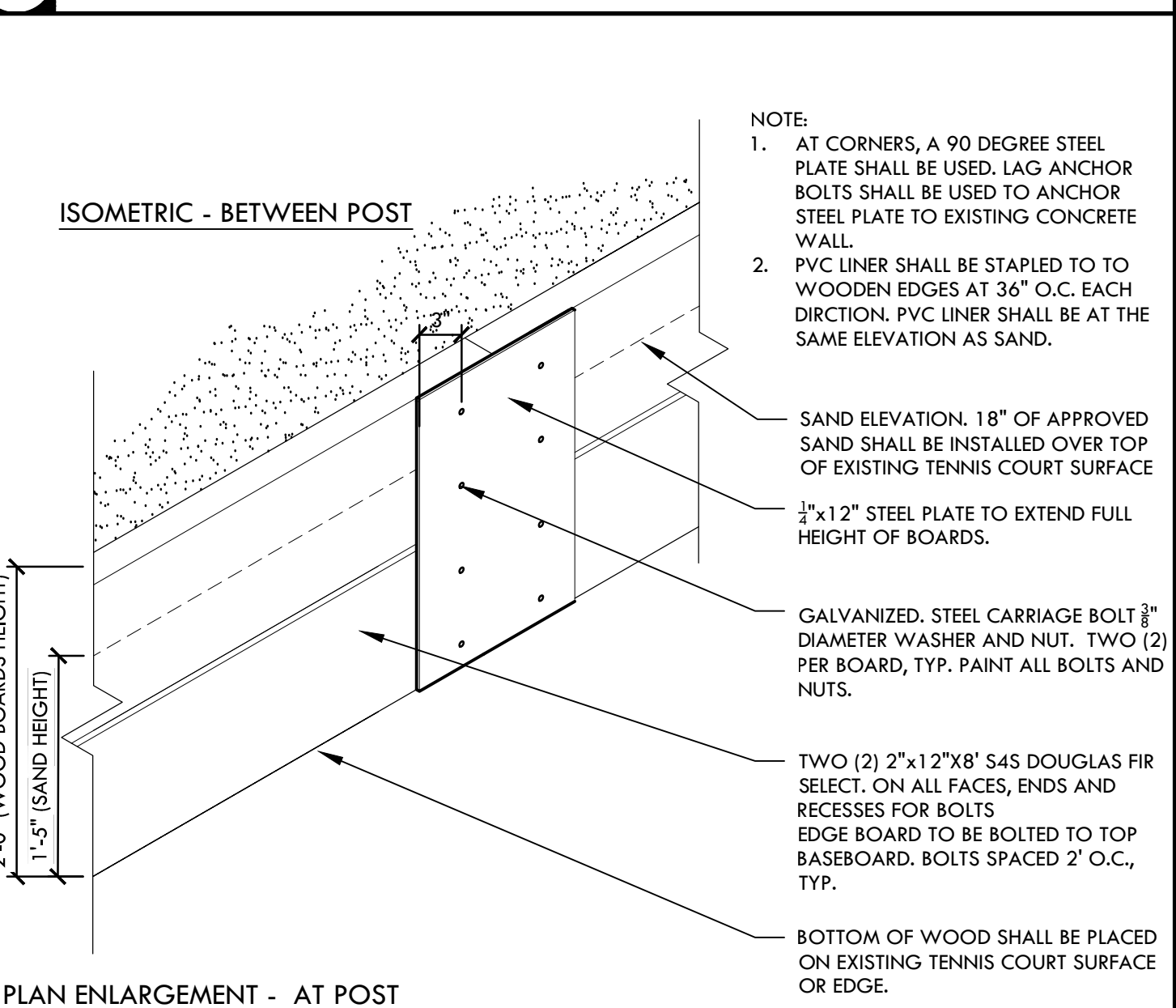
**H BEACH VOLLEYBALL NET FOOTING** NTS



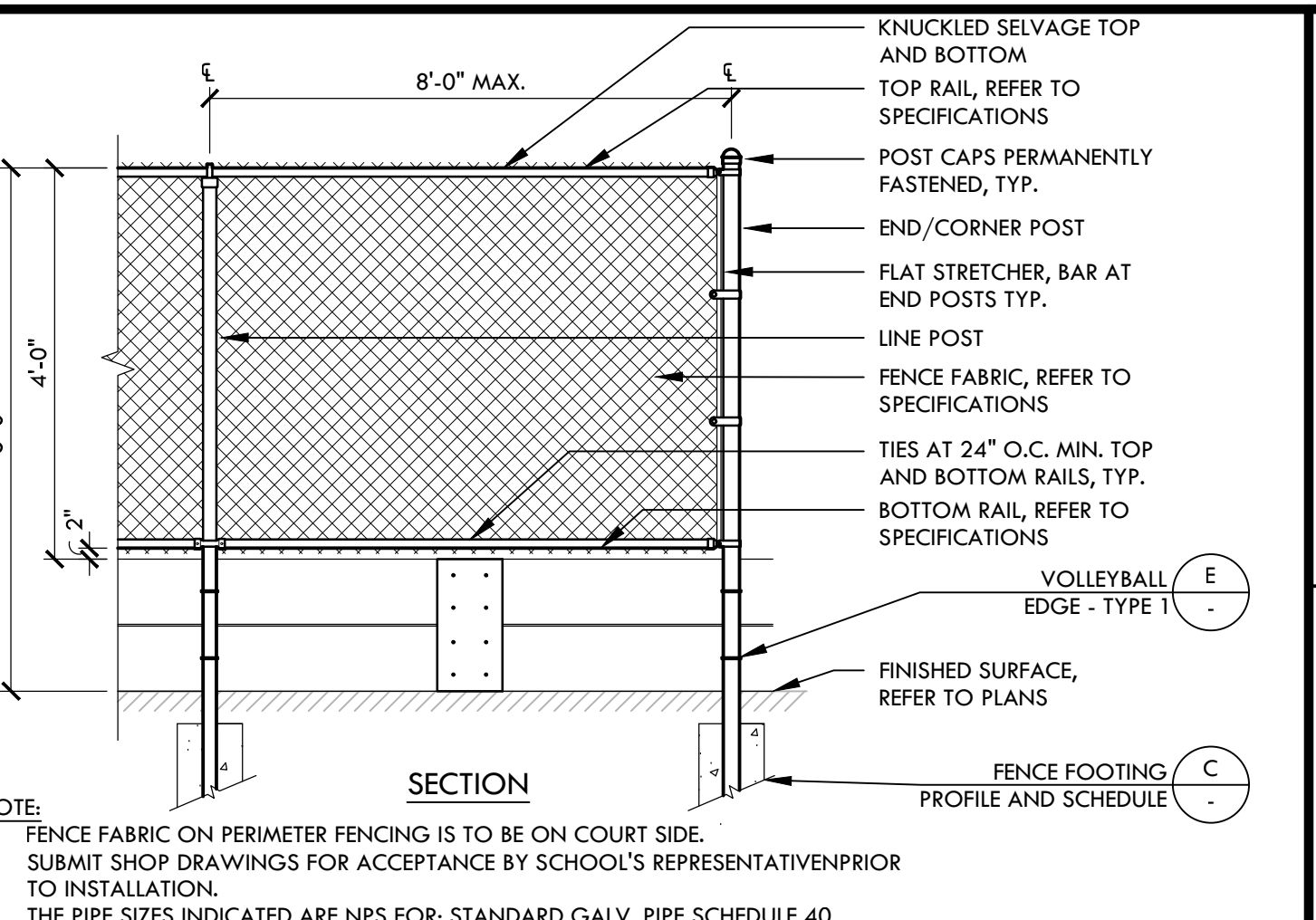
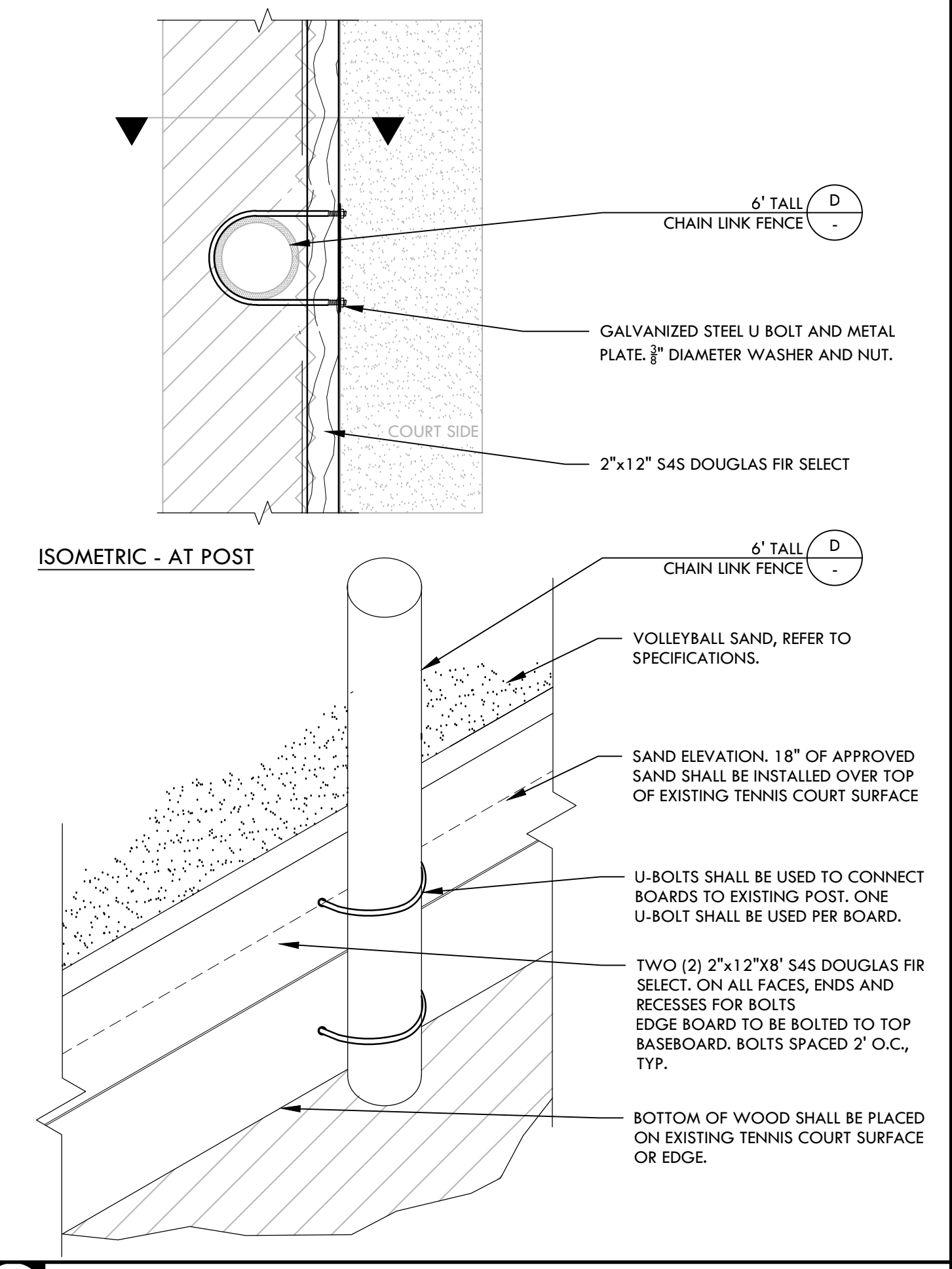
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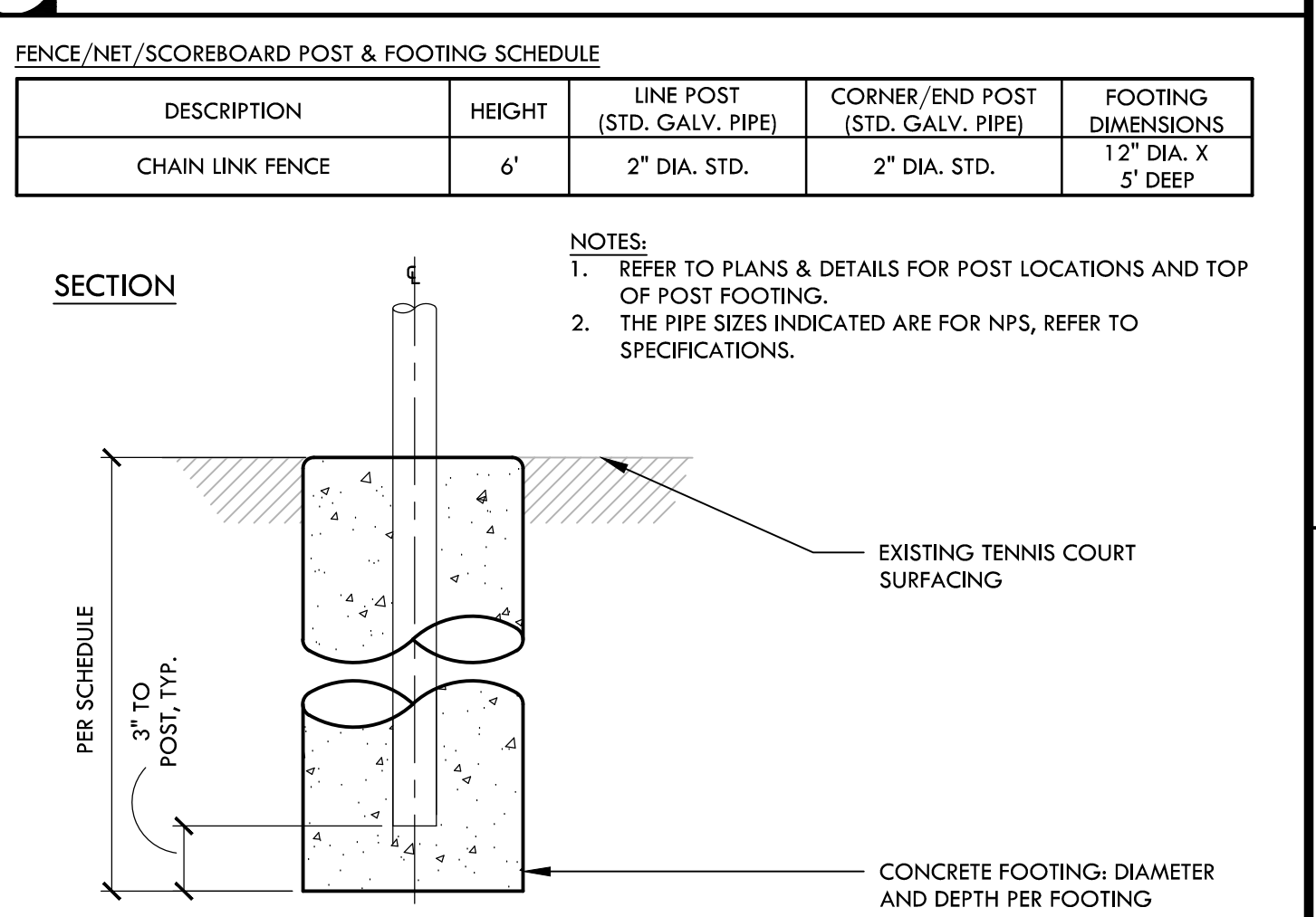
**F BEACH VOLLEYBALL SAND SECTION** NTS



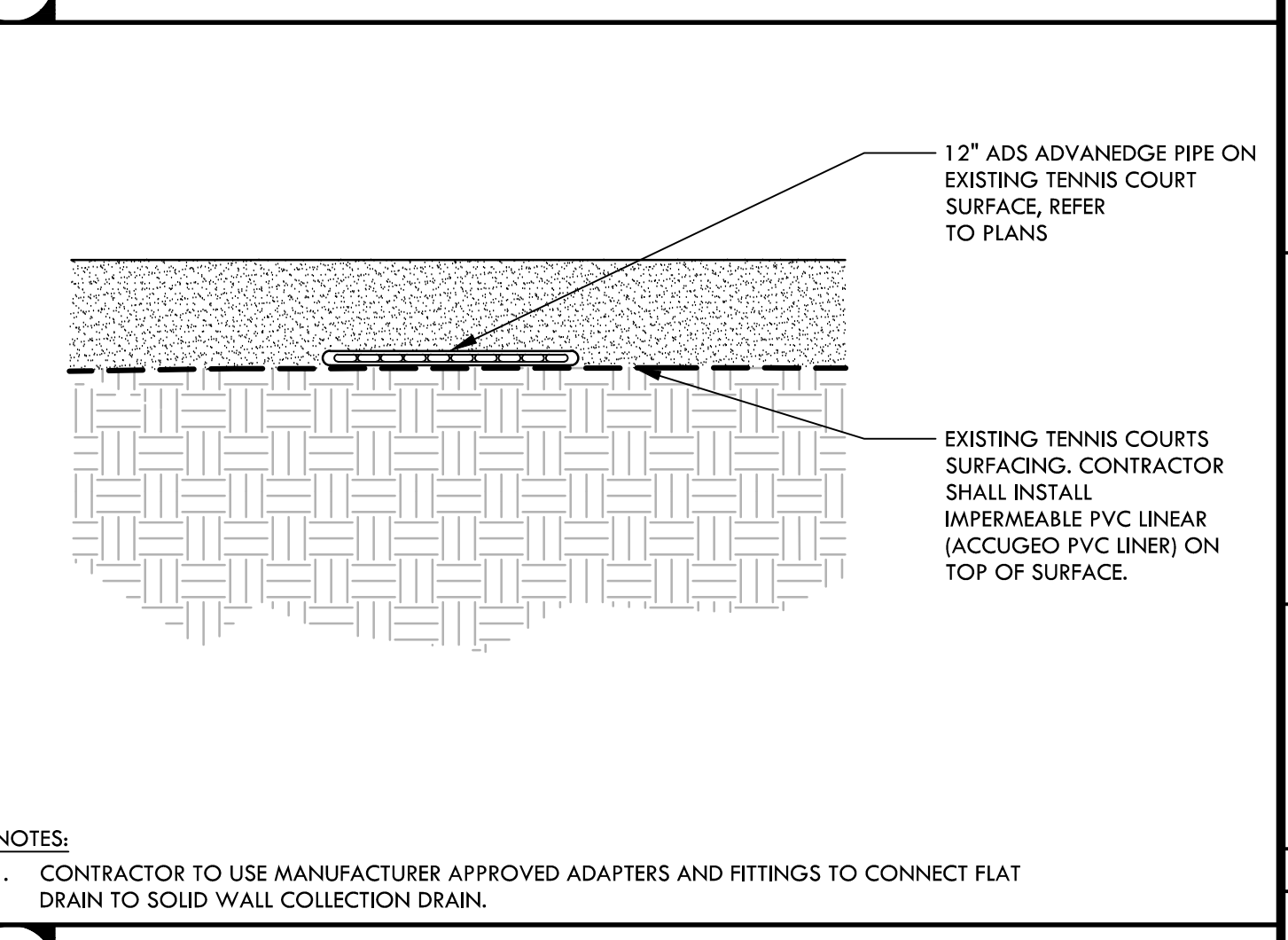
**E VOLLEYBALL EDGE - TYPE 1** NTS



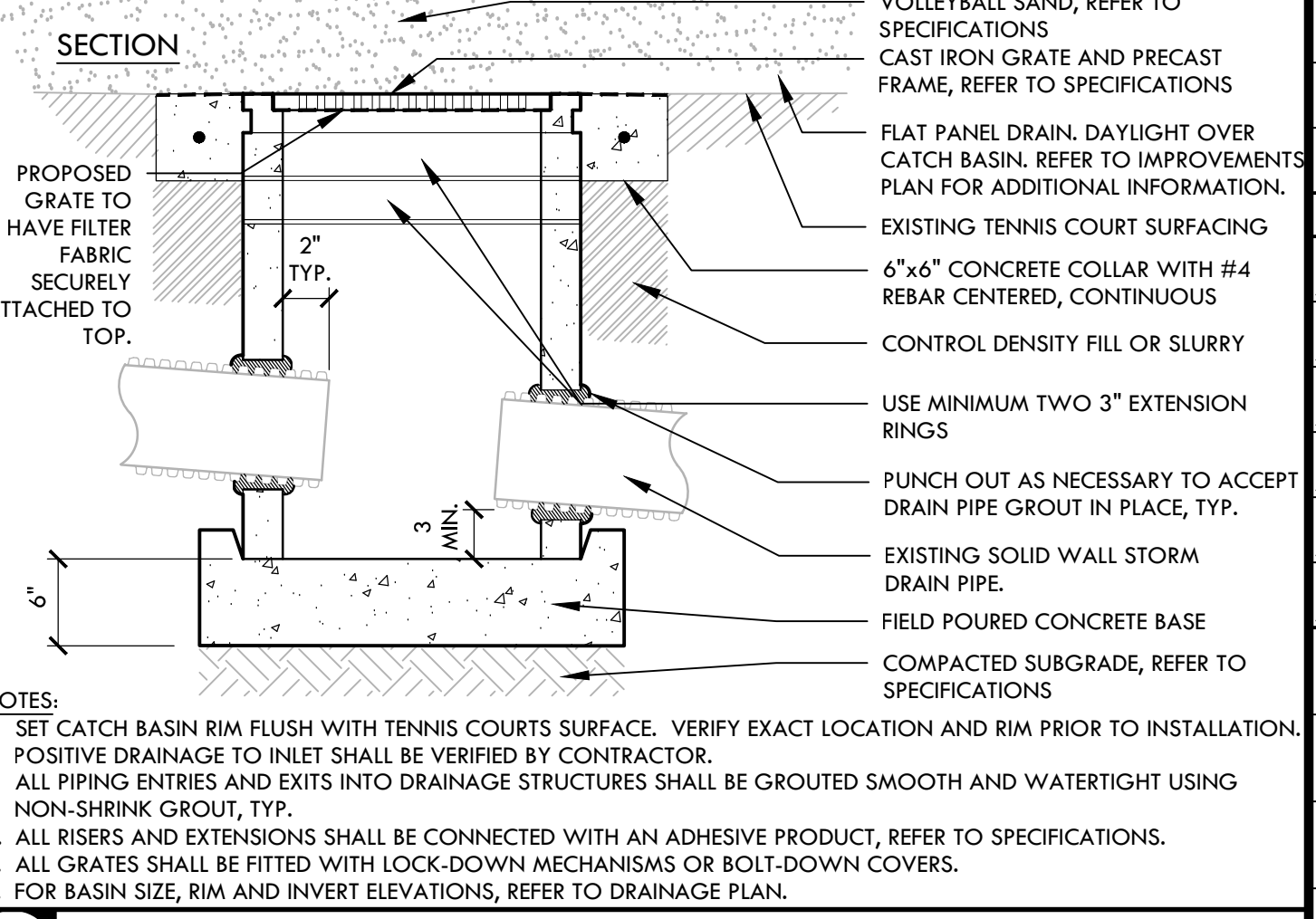
**D 6' TALL CHAIN LINK FENCE** NTS



**C FENCE FOOTING PROFILE AND SCHEDULE** NTS



**B FLAT PANEL DRAIN - VOLLEYBALL** NTS



**A CATCH BASIN** NTS

REGISTERED PROFESSIONAL ENGINEER  
 CIVIL ENGINEERING  
 No. C-56494  
 Signature: [Signature]  
 EXPIRATION DATE: June 30, 2025  
 STATE OF CALIFORNIA

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CONSULTANT  
 SHEET TITLE  
**CONSTRUCTION DETAILS**

PROJECT NAME  
**COLLEGE OF THE SISIYOUS VOLLEYBALL FACILITY**  
 PROJECT ADDRESS  
**800 COLLEGE DR WEED, CA 96094**

SUBMITTAL	DATE
BID SUBMITTAL	11/08/24

NO.	REVISIONS	DATE

DRAWN BY: VERDE  
 CHECKED BY: WD/DC  
 DATE ISSUED: 11/08/24  
 SCALE: AS NOTED  
 PROJ. NO.: 2414500  
 SHEET NO.: D1.0

**CONSTRUCTION DETAILS**



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**SECTION 32 33 00**  
**SITE FURNISHINGS**

**PART 1 - GENERAL**

**1.01 SUMMARY**

**A. Section Includes:**

- Site furnishings and installation accessories as shown on the Drawings including, but not necessarily limited to, the following:
  - Beach volleyball post and netting
  - Beach volleyball Pole Pads
  - 90 Degree Volleyball Curb and Padding
  - Boundary lines at Volleyball Courts

**B. Related Requirements:**

- Section 32 32 15 - Landscape Concrete

**1.02 REFERENCES**

**A. State of California, Business and Transportation Agency, Department of Transportation (Caltrans) "Standard Specifications."**

**1.03 ADMINISTRATIVE REQUIREMENTS**

**A. Submittal Procedures:** Action and Informational Submittals shall be submitted in accordance with applicable specifications sections.

**B. Scheduling and Sequencing:**

- Do not install site furnishings prior to acceptance by Owner's Representative of area to receive items.
- Coordinate construction timing of installation of site furnishings in conformance with other work interfacing with installation of the site furnishing items.

**1.04 ACTION SUBMITTALS**

**C. Shop Drawings:** Submit complete shop drawings for all materials or furnishings requiring field or shop fabrication.

**D. Product Data:** Manufacturer's catalog cut sheets of materials and equipment to be provided.

- Include the manufacturer and distributor name, and subcontractor as applicable.
- Cut sheets clearly describe the specific product by catalog number and that additional non-specified products that may appear on the same cut sheet are crossed out where applicable.

**E. Samples:** Colors and finishes for products and furnishings requiring selection by the Owner's Representative.

**1.05 INFORMATIONAL SUBMITTALS**

**A. Statement of qualifications** for manufacturers and installer if requested by the Owner's Representative.

**1.06 CLOSEOUT SUBMITTALS**

**A. Provide operation and maintenance data** for items with operable, movable, or replaceable parts, for items with mechanical connections, and for other items as applicable.

**B. Extended warranties** as specified.

**1.07 QUALITY ASSURANCE**

**A. Furnishings** shall be reviewed for conformance with the intent of the Contract Documents and accepted by the Contractor prior to installation.

**B. Site furnishings** shall be in a new, "first-class" condition as determined by the Owner's Representative at the time of Final Acceptance.

**C. Field Samples and Mockups:** As requested by the Owner's Representative.

**1.08 DELIVERY, STORAGE AND HANDLING**

**A. General:**

- The Contractor is responsible for coordination of the delivery, acceptance, handling, and storage of site furnishings.
- Store and handle site furnishings as acceptable to the Owner's Representative and so that work or access of others is not impeded.
- Protect site furnishings from theft or damage until such items have been accepted by the Owner.

**B. Packaging and Labeling:** Furnish materials in manufacturer's unopened, original packaging, bearing original labels showing quantity, description, and name of manufacturer. Verify that materials and components are adequately padded and securely bound in such a manner that no damage occurs to the product during delivery and unloading at the site.

**C. Storage:** Damaged materials will be rejected. Remove damaged materials from job site immediately and pay cost of replacement. Determination of damage shall be the sole authority of the Owner's Representative.

**D. Painted Finishes:** Provide non-scratching, non-staining, firmly bound covering for shop-painted finishes until installed and accepted.

**E. Protect wood materials** from stains.

**1.09 WARRANTY**

**A. Manufacturers:** Provide Owner with manufacturer's written extended product warranties as available for the specified products.

**PART 2 - PRODUCTS**

**2.01 SITE FURNISHINGS - GENERAL**

**A. In addition to those described in the following Articles, refer to the Site Furnishing Matrix included at the end of this Section for complete list of items to be provided.**

**PART 3 - EXECUTION**

**3.01 EXAMINATION**

**A. Prior to commencement of work** described in this Section, carefully inspect installed work, and verify all such work is correct and complete. Immediately notify the Owner's Representative of any discrepancy before proceeding with work.

**3.02 INSTALLATION - GENERAL**

**A. Conform to layout** shown on Drawings. Final placement shall be field verified with the Owner's Representative.

**B. Installation of products** shall be as shown in the Drawings, or according to manufacturer's instructions. If discrepancies are found, or if information is lacking, consult with the Owner's Representative prior to beginning the work.

**C. Concrete footings** shall conform to requirements of Section 32 32 15 - Landscape Concrete unless noted otherwise.

**D. Furnish anchorage** and fastening required for installation to ensure proper fit and accurate placements. Bolts, where exposed, shall be cut back to within three threads of the nut.

**3.03 CLEANING AND ADJUSTMENT**

**A. Protect furnishings** from damage until acceptance of work. Do not remove protective wrappings from furnishings until so instructed by the Owner's Representative.

**B. Clean soiled site furnishings** prior to acceptance by Owner.

**C. Repair minor damages** to finish in accordance with manufacturer's instructions and as approved by the Owner's Representative.

**D. Replace damaged items** to the satisfaction of the Owner's Representative. Replace missing accessories at no cost to Owner.

**3.05 SITE FURNISHINGS MATRIX**

ITEM	DESCRIPTION	MANUFACTURER	MODEL NO.	QTY.	FINISH/COLOR OR	DISTRIBUTOR/CONTACT
A	Beach Volleyball Netting System (NCAA)	Sports Imports	DE5010 with HDNR-B and FIVB - Beach Net	1 set Per court	Red	Sports Imports (800) 556-3198
B	Beach Volleyball Netting System Pole Pads	Sports Imports	SVP1-B	2 per court	Blue with "Siskiyou" letter	Sports Imports (800) 556-3198
C	Beach Volleyball Markers	Sports Imports	FIVB-CBM2	1 per court	N/A	Sports Imports (800) 556-3198
D	90 Degree Volleyball Curb Padding	Volleyball USA	Curb Pad 90 degree	575 linear feet (Refer to plans)	TBD	(800) 494-3933 14615 NE 91st St. Building B Redmond, WA 98052
E	Volleyball Wall Padding	Volleyball USA	Wall-Padding	92 linear feet (Refer to plans)	Color, lettering, and logo TBD	(800) 494-3933 14615 NE 91st St. Building B Redmond, WA 98052
F	Volleyball Net Antenna	Sports Imports	NA2	1 pair per court	N/A	Sports Imports (800) 556-3198
	Senoh simple beach anchor	Sports Imports	KZ5100	8	N/A	Sports Imports (800) 556-3198

END OF SECTION

**SECTION 33 40 00**  
**STORM DRAINAGE UTILITIES**

**PART 1 - GENERAL**

**1.01 SUMMARY**

**A. Section Includes:** Storm drainage system improvements and related work as shown on the Drawings and specified including, but is necessarily limited to, the following:

- Pipe and fittings.
- Catch basins.

END OF SECTION

**B. Related Requirements:**

- Section 32 33 00 - Site Furnishings

**1.02 REFERENCES**

**A. American Society for Testing and Materials (ASTM):**

- C478: Standard Specification for Circular Precast Reinforced Concrete Manhole Sections.
- C923: Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes, and Laterals.
- D2321-20: Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications.
- D2412-21: Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading.
- D2729-21: Standard Specification for Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings.
- D3034-21: Standard Specification for Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings.
- D3350-21: Standard Specification for Polyethylene Plastics Pipe and Fittings Materials.
- D4101-11: Standard Specification for Polypropylene Injection and Extrusion Materials.

**B. California Building Code, Current Edition.**

**C. State of California, Business and Transportation Agency, Department of Transportation (Caltrans) "Standard Specifications."**

**1.03 ADMINISTRATIVE REQUIREMENTS**

**A. Submittal Procedures:** Action and Informational Submittals shall be submitted in accordance with applicable specifications sections.

**B. Coordinate work** of this section with all other work contained in the Contract Documents.

**1.04 ACTION SUBMITTALS**

**A. Shop Drawings:**

- Catch basins. Include plans, elevations, sections, details, frames, covers, and grates.

**B. Product Data:** Manufacturer's cut-sheets of products to be used.

**1.05 INFORMATIONAL SUBMITTALS**

**C. Field Test Reports** indicating and interpreting test results for compliance with performance.

**1.06 CLOSEOUT SUBMITTALS**

**A. Record Drawings:**

- Accurately record location of new piping, drain structures, and connections to existing systems using horizontal dimensions, elevations, inverts, and slope gradients as applicable.
- Comply with the additional requirements of applicable specifications sections.

**1.07 QUALITY ASSURANCE**

**A. Control of Work:** Conform to Section 5 of the Standard Specifications.

**B. Control of Materials:** Conform to Section 6 of the Standard Specifications.

**1.08 DELIVERY, STORAGE, AND HANDLING**

**A. Store pipe** neatly and orderly, stacked and blocked to prevent damage. Cracked, checked, spalled, or otherwise damaged pipe and precast concrete units shall be removed from site.

**B. Use of chain slings** shall not be permitted.

**C. Piping, fittings, and related materials** shall be carefully handled. Comply with manufacturer's rigging instructions for precast items. Use of chain slings is not permitted.

**D. All pipelines, fittings and drainage structures** shall be kept clean and closed during construction.

**1.09 FIELD CONDITIONS**

**A. Make provisions** for, and take the necessary precautions to, protect existing and new work from damage during entire life of project.

**B. Work of this Section** shall not be executed when site conditions are detrimental to quality of work as determined by the Owner's Representative.

**C. Do not interrupt service** to facilities occupied or used by Owner without the Owner's written permission.

**PART 2 - PRODUCTS**

**2.01 PIPE AND FITTINGS**

**A. General:**

- Pipe and fittings shall be clearly and permanently marked to identify manufacturer, type, class, or schedule and NSF approval as applicable.
- Unless otherwise noted, Contractor has option of using either CHDPE or PVC pipe as specified.

**B. Flat Panel Pipe:** Perforated HDPE pipe with internal pillars for structural support; "AdvanEDGE" by Advanced Drainage Systems, Inc., 910-913-2211 as specified, or equal.

- Size: 1.5 inches by 12 inches wide.
- Couplers, Wyes, Tees, End Caps, and Round Pipe Adapters: "AdvanEDGE" components.

**2.02 DRAINAGE STRUCTURES**

**B. Precast Catch Basins/Drain Inlets:**

**1. General:**

- All catch basins to have locking mechanism or screw down grate to frame.
- Provide two grade rings at each catch basin.

**2. Square Basin Product Matrix:**

ITEM	DESCRIPTION	MANUFACTURER	MODEL NO.	GRATE INFORMATION
A.	12" Concrete Basin	Oldcastle Precast, or equal. (Contact Number: 888-965-3220)	12 (12CB)	Galvanized Steel cross bars

**B. Extensions:** Provide box extensions, junction boxes and grade rings compatible with structures as necessary to finish at the proper elevation and to facilitate future elevation adjustments as noted below.

**PART 3 - EXECUTION**

**3.01 PIPING INSTALLATION**

**A. General:**

- Pipe shall be installed per manufacturers' instructions and in conformance with the Contracts Documents.
- Installation of thermoplastic pipe shall be in accordance with ASTM D2321.

**B. Flat Panel Piping:**

- Install per the layout indicated on the Drawings and in strict compliance with Manufacturer's written recommended installation instructions.
- Contractor shall exercise caution to not crush or damage the piping during installation of the permeable rock base.

**3.02 INSTALLATION OF DRAINAGE STRUCTURES**

**A. General:** Set rim or cover elevations to specified grades utilizing a minimum of two grade rings (or extensions) at top of drainage structure to facilitate potential elevation adjustments in the future.

**B. Catch Basins:** Install as shown in the Drawings and as follows:

- Excavate as required.
- Set on firm, unyielding base. Set on compacted select backfill material if directed by Owner's Representative.
- Prefabricated units not having a bottom shall be set on a poured\_in\_place concrete slab with smooth trowel finish. Mortar and properly seal unit to slab, making a watertight connection.
- Install pipe inlets and outlets to specified elevations. Grout and/or seal all joints to a watertight condition with material per manufacturer's recommendation.

**3.03 IDENTIFICATION**

**A. Materials and their installation** are specified in Section 31 20 00 - Earth Moving. Arrange for installation of green warning tape directly over piping and at outside edge of underground structures.

**B. Use detectable warning** tape over nonferrous piping and over edges of underground structures.

**3.04 FIELD QUALITY CONTROL**

**A. The Owner's Representative shall review and accept work** at the following stages:

- Excavated trench with bedding in place prior to any pipe being laid.
- Pipe laid prior to backfilling. Pipe covered prior to review and acceptance shall be uncovered and re\_backfilled at Contractor's expense.
- Drainage device location and pipe connection.
- New drainage system shall be flood tested and clean of debris.



CONSULTANT

SHEET TITLE

**SPECIFICATIONS**

PROJECT NAME

**COLLEGE OF THE SISIYOUS VOLLEYBALL FACILITY**

PROJECT ADDRESS

**800 COLLEGE DR  
WEED, CA 96094**

SUBMITTAL	DATE
BID SUBMITTAL	11/08/24

NO.	REVISIONS	DATE
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DRAWN BY <b>WD</b>	CHECKED BY <b>WD/DC</b>
DATE ISSUED <b>11/08/24</b>	SCALE <b>NTS</b>
PROJ. NO. <b>2414500</b>	
SHEET NO. <b>D2.1</b>	