

ABBREVIATIONS

TYP.	TYPICAL
VIF	VERIFY IN FIELD

GENERAL

- THESE STRUCTURAL DRAWINGS AND SPECIFICATIONS, INCLUDING ANY ADDENDA (COLLECTIVELY "THE PLANS") INCORPORATE ALL LEGAL AND INDUSTRY REQUIREMENTS AND STANDARDS INCLUDING WITHOUT LIMITATION THE FOLLOWING:
 - THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 1 (CALIFORNIA ADMINISTRATIVE CODE), 2019 EDITION.
 - THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2 (CALIFORNIA BUILDING CODE), 2019 EDITION.
 - OTHER REGULATING AGENCIES WHICH MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
 - THE FUNCTIONALITY STANDARDS SET FORTH IN TITLE 7 OF THE CALIFORNIA CIVIL CODE (THE "RIGHT TO REPAIR ACT").
 - THE MANUFACTURER'S REQUIREMENTS OR RECOMMENDATIONS FOR ANY INCORPORATED PRODUCTS.
 - THE MOST CURRENT APPROVED ISSUES OF ANY NOTED SPECIFICATIONS, CODES AND STANDARDS, INCLUDING SUPPLEMENTS, UNLESS NOTED OTHERWISE.
- THE PLANS REPRESENT ONLY THE FINISHED STRUCTURE, AND THEY ARE NOT INTENDED TO INDICATE OR REQUIRE ANY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES. IN PARTICULAR AND WITHOUT LIMITATION, THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ANY AND ALL EXCAVATION, DEMOLITION, SHORING AND ERECTION PROCEDURES AND FOR ANY AND ALL SAFETY PROGRAMS AND PRECAUTIONS.
- IN USING THE PLANS FOR BIDDING OR CONSTRUCTION PURPOSES, THE CONTRACTOR IS REQUIRED TO REVIEW ALL OF THE PROJECT'S CONSTRUCTION DOCUMENTS AS A WHOLE IN ORDER TO IDENTIFY ALL REQUIREMENTS THAT DIRECTLY OR INDIRECTLY AFFECT ITS PORTION OF THE STRUCTURAL WORK, EVEN REQUIREMENTS LOCATED IN SECTIONS DESIGNATED AS APPLICABLE TO OTHER TRADES. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL EITHER OBTAIN DIRECTION FROM AN APPROPRIATE OWNER REPRESENTATIVE OR OTHERWISE APPLY THE MORE STRINGENT REQUIREMENT.
- IN INTERPRETING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:
 - WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.
 - SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
 - WORK NOT PARTICULARLY SHOWN OR SPECIFIED SHALL BE THE SAME AS SIMILAR PARTS THAT ARE SHOWN OR SPECIFIED.
 - SCALED DIMENSIONS AND GRAPHICALLY SHOWN LOCATIONS ARE TO BE CONSIDERED ONLY APPROXIMATE.
- IN IMPLEMENTING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:
 - BECAUSE THE PLANS ARE INTENDED TO SET FORTH THE REQUIREMENTS FOR CONSTRUCTION IN ONLY AN INDUSTRY-STANDARD LEVEL OF QUALITY AND DETAIL, AND THEREFORE ARE INTENDED TO BE SUPPLEMENTED BY APPROPRIATE REQUESTS FOR CLARIFICATION AND INFORMATION, ERRORS AND OMISSIONS ARE TO BE EXPECTED AND ANTICIPATED; AND THE CONTRACTOR IS REQUIRED TO CAREFULLY REVIEW THE PLANS FOR ERRORS AND OMISSIONS AND TO BRING THESE ERRORS AND OMISSIONS TO THE ATTENTION OF AN APPROPRIATE OWNER REPRESENTATIVE IN A TIMELY MANNER AND ASSUMES THE RISK OF THE CONSEQUENCES OF FAILING TO DO SO BEFORE BIDDING OR OTHERWISE PROCEEDING.
 - THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION, AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.
- SUBMITTALS WILL BE REVIEWED BY THE STRUCTURAL ENGINEER, IF AT ALL, ONLY PURSUANT TO THE INDUSTRY-STANDARD PROTOCOL SET FORTH IN AIA DOCUMENT A201, AND IN NO EVENT WILL THE SUBMITTAL REVIEW PROCESS RELIEVE OR LESSEN THE SUBMITTING CONTRACTOR'S RESPONSIBILITY FOR AN INAPPROPRIATE SUBMITTAL.
- IN NO EVENT WILL ANY SITE VISITS BY THE STRUCTURAL ENGINEER CONCERN CONSTRUCTION MEANS AND METHODS OR CONSTRUCTION SAFETY, AND ALL SUCH MATTERS SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- COPIES OF THE PLANS PROVIDED IN ANY ELECTRONIC FORM ARE SUBJECT TO THE SAME PROVISIONS AS THE OTHER INSTRUMENTS OF SERVICE PREPARED BY OR ON BEHALF OF STRUCTURAL ENGINEER FOR THE PROJECT, INCLUDING WITHOUT LIMITATION THE ENGINEER'S COMMON LAW, STATUTORY OR OTHER RESERVED RIGHTS. INCLUDING COPYRIGHT IS A RECIPIENT IS GRANTED AT MOST A TRANSFERABLE NONEXCLUSIVE LICENSE TO REUSE THE PLANS SOLELY FOR PROJECT PURPOSES; AND NO RECIPIENT IS AUTHORIZED TO USE OR TO ALLOW THE USE OF ALL OR ANY PORTION OF THESE PLANS FOR ANY OTHER PURPOSE, AND ANY USE FOR ANY OTHER PURPOSE WOULD CONSTITUTE ACTIONABLE PLAGIARISM. STRUCTURAL ENGINEER PROVIDES DOCUMENTS IN AN ELECTRONIC FORM ONLY IN ITS STANDARD FORMATS AND CONVENTIONS AND WITH NO GUARANTEE OF COMPATIBILITY WITH ANY RECIPIENT'S SOFTWARE OR HARDWARE, AND ANY USE WITH OR CONVERSION TO OTHER FORMATS OR CONVENTIONS, OR THE USE WITH ANY PARTICULAR SOFTWARE OR HARDWARE, IS AT THE RECIPIENT'S SOLE RISK.

PROJECT DESIGN CRITERIA

- WIND- ASCE 7-16, Vult = 96 MPH (EXPOSURE C); Vomb = 74 MPH (EXPOSURE C), RISK CATEGORY II
- SEISMIC - SS=1.098; S1=0.392; SDS=0.776; SD1=0.522; RISK CATEGORY=I; I=1.0; SITE CLASS=D; R=1.5; SEISMIC DESIGN CATEGORY=D;
- SEISMIC-FORCE-RESISTING-SYSTEM=NON-BUILDING STRUCTURE, NOT SIMILAR TO BUILDINGS; ANALYSIS PROCEDURE=EQUIVALENT LATERAL FORCE PROCEDURE.
- MAX TENSION FORCE TO BE APPLIED TO POLE TYPE C1 DURING ERECTION OF CABLE NETTING SHALL BE = 378#
MAX TENSION FORCE TO BE APPLIED TO POLE TYPE C2 DURING ERECTION OF CABLE NETTING SHALL BE = 153#
- THESE FORCES CORRESPOND TO 1'-0" OF ANTICIPATED SAG ALONG THE CABLING.

EXISTING CONDITIONS

- ALL INFORMATION SHOWN ON THE PLANS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE FROM PLANS SUPPLIED BY THE OWNER, BUT WITHOUT GUARANTEE OF ACCURACY.
- WHERE ACTUAL CONDITIONS ARE NOT IN ACCORDANCE WITH THE INFORMATION PRESENTED, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY. NO MODIFICATIONS OF THE PLANS FOR NEW CONSTRUCTION SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

APPROVALS

- THIS PROJECT IS EXEMPT FROM DSA STRUCTURAL REVIEW AND APPROVAL IN OWNER IS RESPONSIBLE FOR RETAINING DSA CERTIFIED INSPECTOR FOR ALL CONSTRUCTION ACCORDANCE WITH CCR, TITLE 24, PART 1, SECTION 4-308.

FOUNDATION

- ALL PORTIONS OF WORK PERTAINING TO EXCAVATIONS, FOUNDATIONS AND RETAINING WALLS SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 18A.
- THE FOUNDATION DESIGN IS BASED ON MIN. CODE PRESCRIPTIVE VALUES TABLE 1806A.2.
- THE CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE.
- EXCAVATIONS FOR FOOTINGS SHALL BE APPROVED BY THE PROJECT INSPECTOR PRIOR TO PLACING CONCRETE AND REINFORCING. THE CONTRACTOR SHALL NOTIFY THE PROJECT INSPECTOR WHEN EXCAVATIONS ARE READY FOR INSPECTION. THE PROJECT INSPECTOR SHALL SUBMIT A LETTER OF COMPLIANCE TO THE OWNER.
- ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION, SHALL BE REMOVED.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD ANY BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC., BE FOUND.

STRUCTURAL STEEL AND MISCELLANEOUS METAL

- ALL PORTIONS OF WORK PERTAINING TO STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 22A.
- ROUND HOLLOW STRUCTURAL SECTION (HSS) SHALL CONFORM TO ASTM A-500, GRADE B.
- CHANNELS, ANGLES AND PLATES SHALL CONFORM TO ASTM A-36, UNLESS NOTED OTHERWISE.
- ALL WELDING SHALL CONFORM TO THE STRUCTURAL WELDING CODE - STEEL, AWS D1.1 AND STRUCTURAL WELDING CODE SEISMIC SUPPLEMENT AWS D1-8, BY THE AMERICAN WELDING SOCIETY. WELDING RODS SHALL BE E70XX.
- ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS.
- ALL WELDS NOT SPECIFIED SHALL BE CONTINUOUS FILLET WELDS. SIZE OF WELDS SHALL BE BASED ON AWS D1.1 FOR THICKER PART JOINED.
- DO NOT PAINT STRUCTURAL STEEL SURFACES THAT ARE TO BE ENCASED IN CONCRETE OR MASONRY.
- ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL ITEMS, INCLUDING CONNECTORS, EXPOSED TO THE WEATHER SHALL BE HOT-DIPPED GALVANIZED, AFTER FABRICATION.
- STRUCTURAL STEEL SHALL BE DELIVERED TO THE JOB SITE FREE OF EXCESSIVE RUST, MILL SCALE, GREASE, ETC.
- OPENINGS SHALL NOT BE PLACED IN STEEL MEMBERS UNLESS SPECIFICALLY DETAILED.

NETTING

- NETTING CABLES, HARDWARE AND ATTACHMENTS IS BY OTHERS AND IS NOT A PART OF THIS SUBMITTAL.

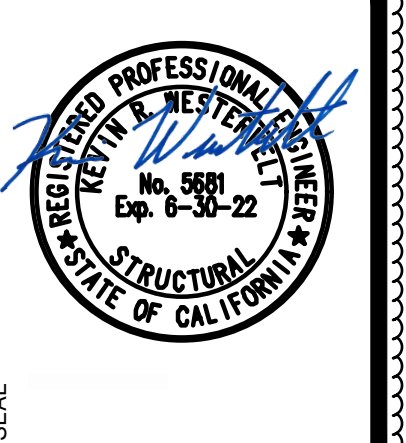
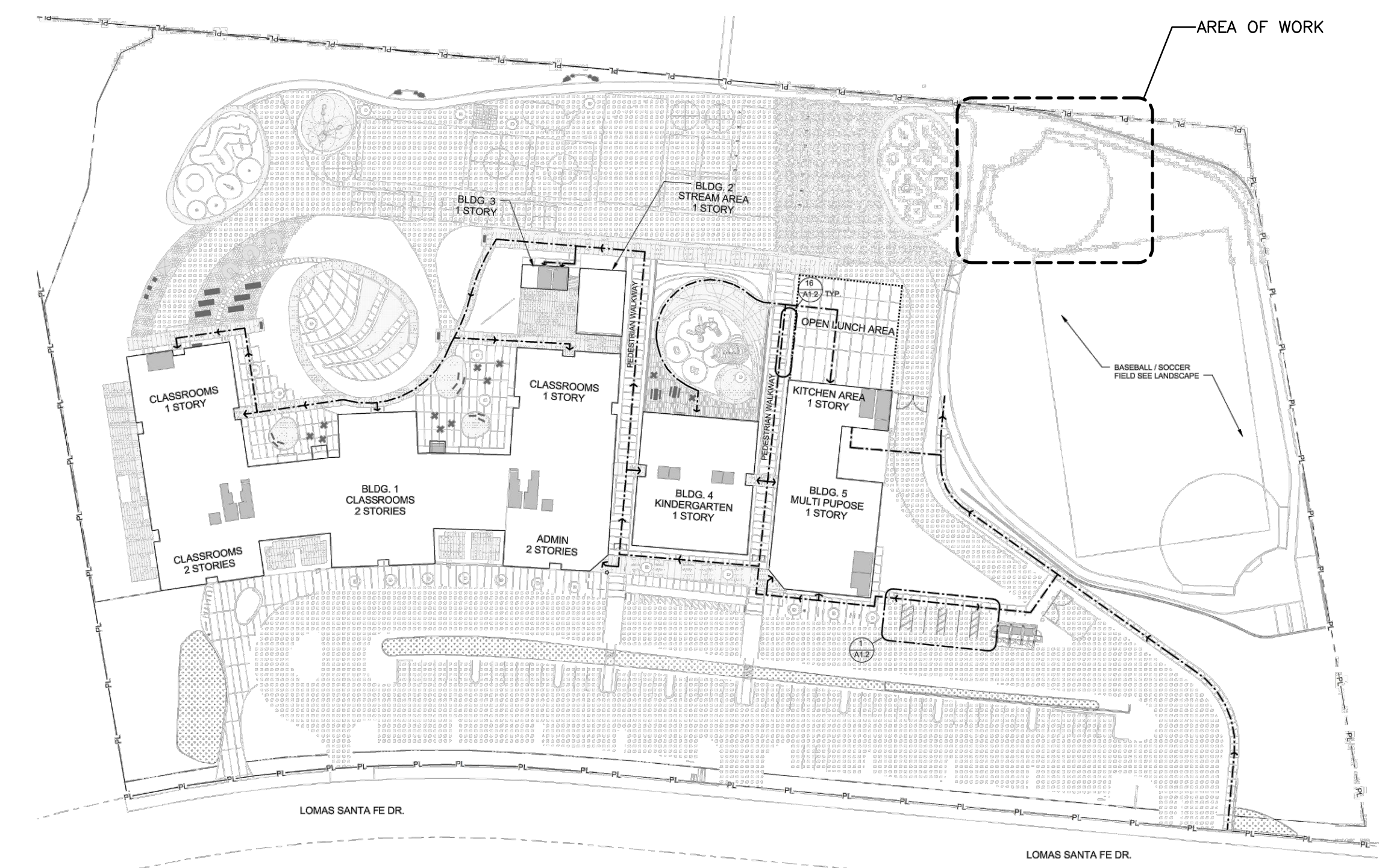
CAISSONS

- SEE FOUNDATION NOTES FOR ADDITIONAL INFORMATION.
- CAISSON EXCAVATIONS SHALL BE APPROVED BY THE PROJECT INSPECTOR PRIOR TO PLACING CONCRETE AND REINFORCING. LENGTHS OF CAISSONS AS SHOWN ON DRAWINGS ARE ESTIMATED FROM AVAILABLE SOIL DATA. ACTUAL LENGTHS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER SHALL SUBMIT A LETTER OF COMPLIANCE TO THE OWNER.
- DO NOT ALLOW SHAFTS TO REMAIN OPEN OVERNIGHT. FILL SHAFTS WITH CONCRETE IMMEDIATELY AFTER INSPECTION AND APPROVAL BY THE PROJECT INSPECTOR.
- WHERE REQUIRED, PROVIDE FULL-LENGTH WATERTIGHT STEEL CASING OF SUFFICIENT THICKNESS TO WITHSTAND COMPRESSIVE DISPLACEMENT AND WITHDRAWAL STRESSES AND TO MAINTAIN SHAFT WALLS. TEMPORARY CASING SHALL BE WITHDRAWN AS CONCRETE IS PLACED. MAINTAIN A HEAD OF CONCRETE APPROXIMATELY 5 FEET ABOVE CASING BOTTOM.
- KEEP EXCAVATIONS FREE OF WATER BEFORE PLACING CONCRETE.
- REINFORCING CAGES IN SHAFTS ARE TO BE ONE CONTINUOUS UNIT. PLACE REINFORCEMENT ACCURATELY IN HOLE AND BRACE SECURELY IN POSITION DURING CONCRETE PLACEMENT.
- USE PLYWOOD PROTECTION SHEETS WITH CUT OUTS TO RECEIVE CONCRETE AT EXCAVATION OPENINGS. EXTEND PLYWOOD AT LEAST 12" BEYOND EDGE.
- USE ELEPHANT TRUNK, TREMIE, ETC., TO PLACE CONCRETE SO THAT FREE FALL DOES NOT EXCEED 5 FEET. PROVIDE MECHANICAL VIBRATION FOR FULL HEIGHT OF SHAFT TO CONSOLIDATE CONCRETE. PLACE CONCRETE IN EACH SHAFT IN ONE CONTINUOUS OPERATION. INTERRUPTED PLACING OPERATIONS OF OVER ONE-HOUR DURATION WILL REQUIRE A COLD JOINT INSTALLATION AND MUST BE APPROVED BY THE STRUCTURAL ENGINEER.

CONCRETE

- ALL PORTIONS OF WORK PERTAINING TO CONCRETE CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A.
- CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY. MIX DESIGNS SHALL CONFORM TO ACI 318, SEC. 26.4, CBC SEC.1903A AND 1904A. MIX DESIGNS SHALL INCORPORATE THE FOLLOWING CRITERIA:
 - MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. MAXIMUM OF 7 SACKS OF CEMENT PER YARD OF CONCRETE.
 - MAXIMUM WATER/CEMENT RATIO (BY WEIGHT) OF CONCRETE IN CONTACT WITH SOIL SHALL BE 0.45.
 - MAXIMUM SLUMP SHALL NOT EXCEED 3" ± 1" FOR FOOTINGS, SLUMP LIMITATIONS NOTED SHALL APPLY TO CONCRETE MIX PRIOR TO THE ADDITION OF ANY WATER-REDUCING ADMIXTURES OR SUPER-PLASTICIZERS. MAXIMUM SLUMP MAY BE INCREASED TO 5 +/- 1" FOR MIX INCLUDING WATER-REDUCING ADMIXTURES OR SUPER-PLASTICIZERS.
 - CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CHLORIDE(S) SHALL NOT BE USED.
- SCHEDULE OF STRUCTURAL CONCRETE 28 DAY MINIMUM STRENGTHS AND TYPES:
 - FOOTINGS, CAISSONS, GRADE BEAMS 145 PCF, f'c = 4,500 PSI
- PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE II. CEMENT USED FOR CONCRETE IN CONTACT WITH SOIL SHALL CONFORM TO ASTM C-150, TYPE V.
- AGGREGATE FOR NORMALWEIGHT CONCRETE SHALL CONFORM TO ASTM C-33. COMBINED AGGREGATE GRADATION OF 3/8" MAXIMUM (PEA GRAVEL) SHALL NOT BE USED.
- READY MIXED CONCRETE SHALL CONFORM TO ASTM C-94.
- ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"

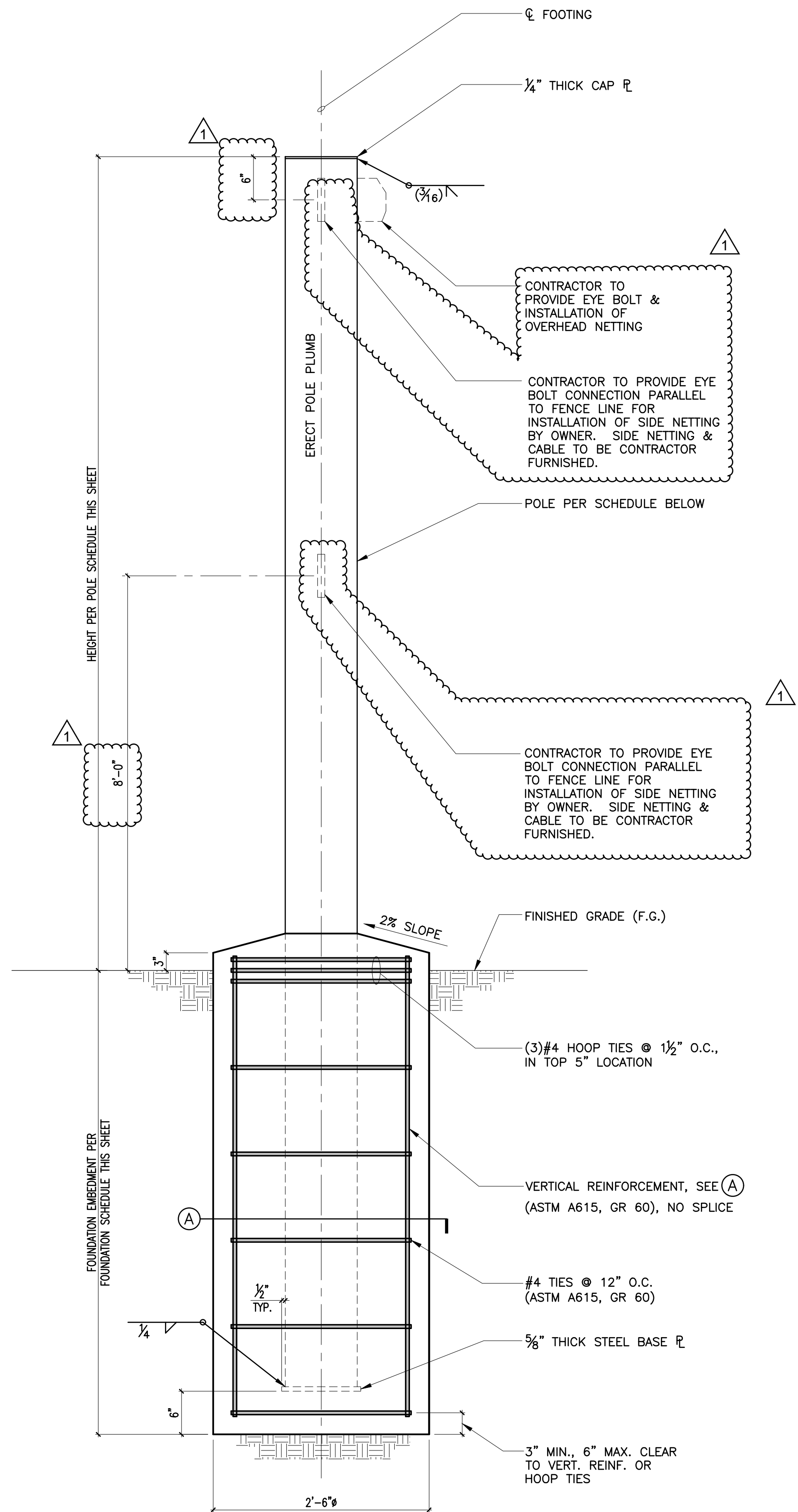
KEY MAP



KNA STRUCTURAL ENGINEERS
 9921 Mulholland Boulevard, Irvine, CA 92618
 Tel: (949) 462-3200, Fax: (949) 462-3201
 KNA JOB NO. 430.001

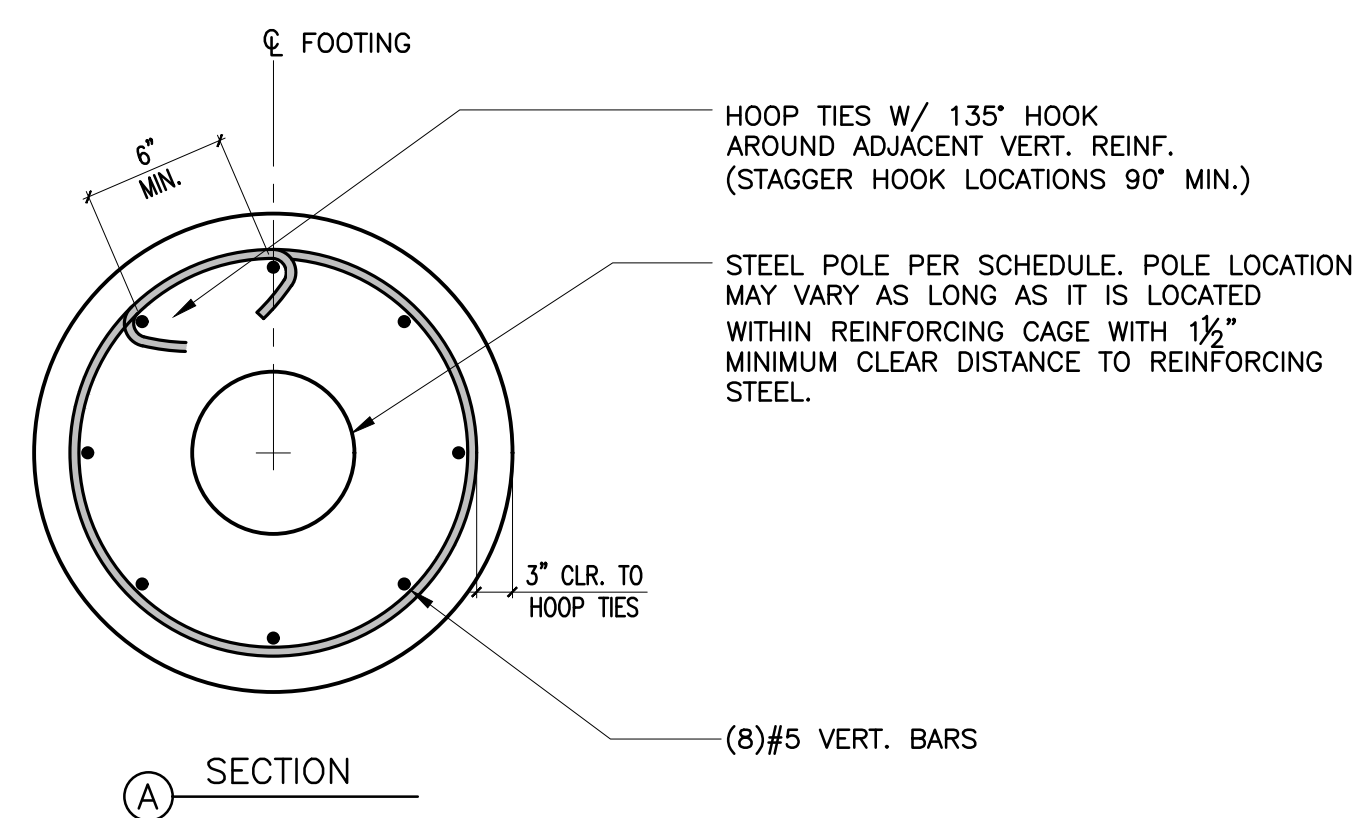
SKYLINE ELEMENTARY SCHOOL - BASEBALL NETTING
 606 LOMAS SANTA FE DR.
 SOLANA BEACH, CA 92705
 SOLANA BEACH SCHOOL DISTRICT
 GENERAL NOTES

DATE	01/19/2021
KNA JOB NO.	430.001
DRAWN	NP
CHECKED	DN/RT



POLE FOUNDATION DETAIL

SCALE: NOT TO SCALE

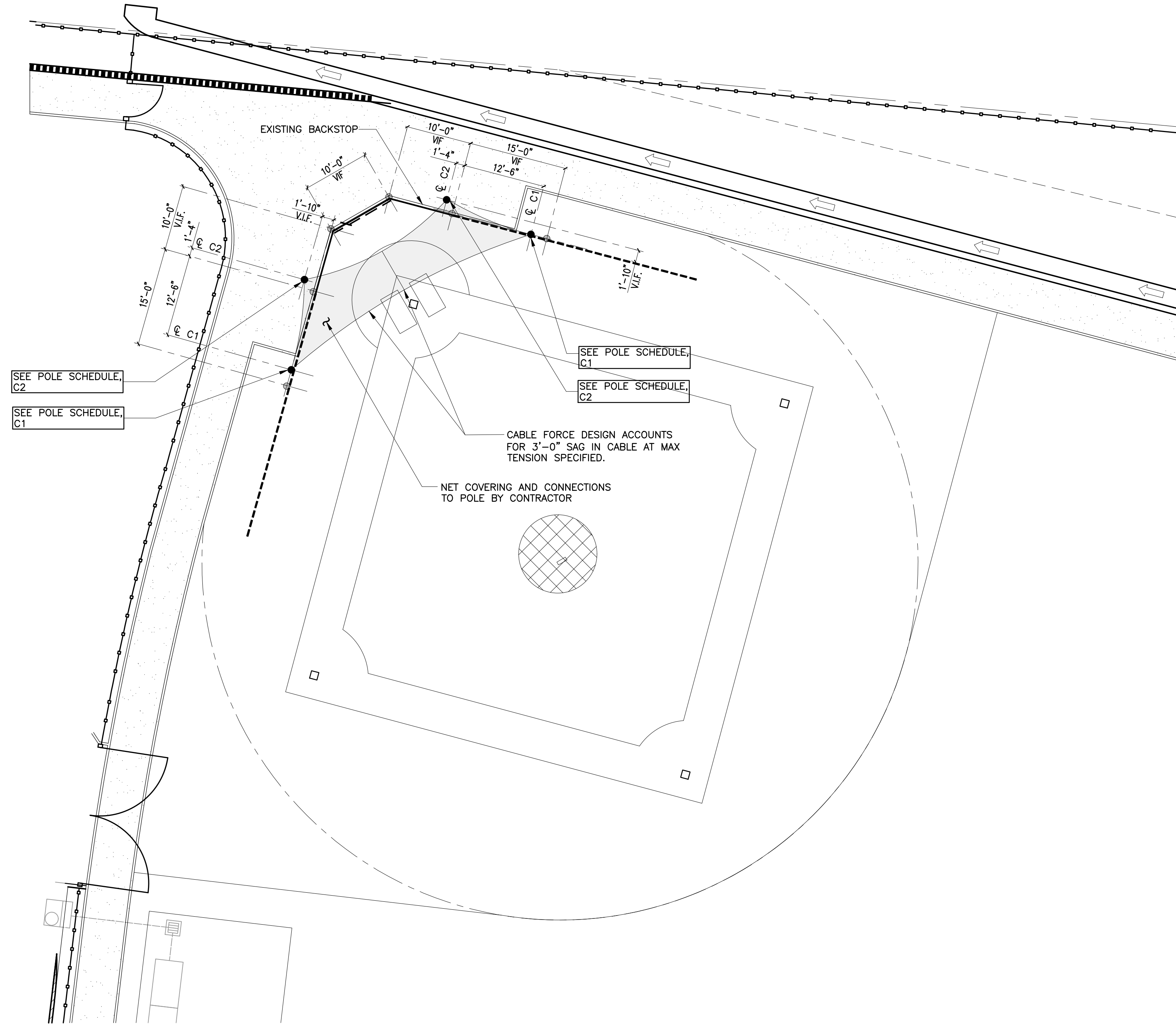


CASE	POLE SCHEDULE		POLE FOUNDATION SCHEDULE CONCRETE FOUNDATION		REMARKS
	TYPE	HEIGHT ABOVE GROUND	MIN. EMBEDMENT FROM F.G. (FEET)		
C1	10" PIPE X-STRONG (ASTM A53 GRADE B) OR 12" STD PIPE (ASTM A53 GRADE B) OR HSS 10.75x10.75x0.315 (A500 GRADE C)	22'-0"	11'-0"		ATTACH EXISTING CHAIN LINK FENCE TO "C1"
C2	8" PIPE STD. (ASTM A53 GRADE B) OR HSS 8.625x0.322 (A500 GRADE C)	16'-0"	8'-0"		

LEGEND

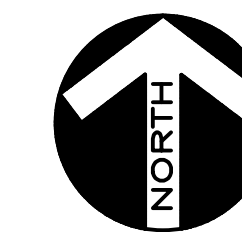
- : INDICATES EXISTING POLE IN CHAIN LINK FENCE.
- : INDICATES NEW POLE TO SUPPORT NETTING.
- : EXISTING CHAIN LINK FENCE.

12/9/2021 ADDENDUM #1 REVISION

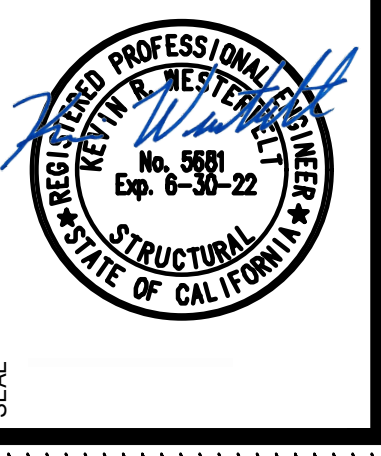


PARTIAL SITE PLAN

SCALE: 3/32"=1'-0"



NOTE:
THIS DRAWING IS EXEMPTED FROM DSA SSS REVIEW PER:
• CRC TITLE 24, PART I, SECTION 4-314 DEFINITION OF "SCHOOL BUILDING"
• DSA IR A-22 APPENDIX ITEM 11.



KNA STRUCTURAL ENGINEERS
9901 Mulholland Boulevard, Irvine, CA 92618
Tel: (949) 462-3200, Fax: (949) 462-3201
KNA JOB NO. 430.001

SKYLINE ELEMENTARY SCHOOL - BASEBALL NETTING
606 LOMAS SANTA FE DR.
SOLANA BEACH, CA 92705
SOLANA BEACH SCHOOL DISTRICT
PARTIAL SITE PLAN, AND DETAILS

DATE	01/19/2021
KNA JOB NO.	430.001
DRAWN	NP
CHECKED	DN/RT

SHEET 2 OF 2

BIDDER CLARIFICATION REQUEST

District: Solana Beach School District

Project: Skyline Backstop Upgrades

Bid Package No.: 2211

Bidder Submitting Request: GEM Industrial Electric, Inc.

Identify issue (including, as applicable, drawing/specification number): SPECIAL PROVISIONS

Clarification requested: #8, #10, #13, #16, #17 NONE OF THESE ARE ANSWERED. PLEASE CLARIFY.

#19 Retention says 10% ? Should be 5%

Print Name: Annette Lane

Signature: 

Date: 12/01/2021

(Note: Architect and/or District to complete the portion of this form below.)

Date Request Received: _____

Response No.: _____

Response to request for clarification: _____

THE RETENTION WILL BE CHANGED TO 5%

Clarification issued by:

Architect:

Name

Signature


Date

District:

Name

Signature

Date

STEAD MASON

12/4/21

BIDDER CLARIFICATION REQUEST

District: Solana Beach School District


Project: Skyline Backstop Upgrades

Bid Package No.: 2211

Bidder Submitting Request: GEM Industrial Electric, Inc.

Identify issue (including, as applicable, drawing/specification number): Invitation to bid, and master schedule have different bid due dates.

Clarification requested: Please advise if the bid due date is December 10th (Invitation to bid) or December 13th (master schedule).

Print Name: Annette Lane Signature:  Date: 12/01/2021

(Note: Architect and/or District to complete the portion of this form below.)

Date Request Received: _____ Response No.: _____

Response to request for clarification: _____

BID DUE DATE IS ~~10~~ DEC 13. 1:00 PM

Clarification issued by:

Architect:

Name

Signature

Date

District:

STEVE MASON

Name



Signature

12/6/21

Date

BIDDER CLARIFICATION REQUEST

District: Solana Beach School District

Project: Skyline Backstop Upgrades

Bid Package No.: 2211

Bidder Submitting Request: GEM Industrial Electric, Inc.

Identify issue (including, as applicable, drawing/specification number): Special Provisions

Clarification requested: #8 - Liquidated damages. What is the amount per day?

Print Name: Annette Lane

Signature: A Lane

Date: 12/7/2021

(Note: Architect and/or District to complete the portion of this form below.)

Date Request Received: _____

Response No.: _____

Response to request for clarification: _____

THERE ARE NO LIQUIDATED DAMAGES.

Clarification issued by:

Architect:

Name

Signature

Date

District:

Name

Signature

Date

BRAD MASON

[Signature]

12/8/21

BIDDER CLARIFICATION REQUEST

District: Solana Beach School District

Project: Skyline Backstop Upgrades

Bid Package No.: 2211

Bidder Submitting Request: GEM Industrial Electric, Inc.

Identify issue (including, as applicable, drawing/specification number): Special Conditions

Clarification requested: #17 DVBE Participation - Sections are blank. Does this job require DVBE ?

Print Name: Annette Lane Signature: A Lane Date: 12/7/2021

(Note: Architect and/or District to complete the portion of this form below.)

Date Request Received: _____ Response No.: _____

Response to request for clarification: _____

THIS PROJECT DOES NOT REQUIRE A DVBE

Clarification issued by:

Architect:

Name

Signature

Date

District:

Name

Signature

Date

BRAD MASON
[Signature]
12/8/21