



# ARC - SOBERING CENTER CHAINLINK FENCE ENCLOSURE

PROJECT # 1135118

10001 COUNTY FARM RD. CT, RIVERSIDE, CA 92503

## PROJECT TEAM

### ENGINEERING

ACC & ENGINEERING  
768 N ETHAN WAY, ANAHEIM, CA 92805 United States

BEN HAMED, C.P.E | DESIGNER ENGINEER  
MAGDY REZK, P.E. | CONSULTANT

### GENERAL ENGINEERING & CONSTRUCTION

HORIZONS CONSTRUCTION  
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United States

KINAN KOTRASH | VICE PRESIDENT

### OWNER

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RIZALDY BALUYOT | SUPERVISING PROJECT MANAGER

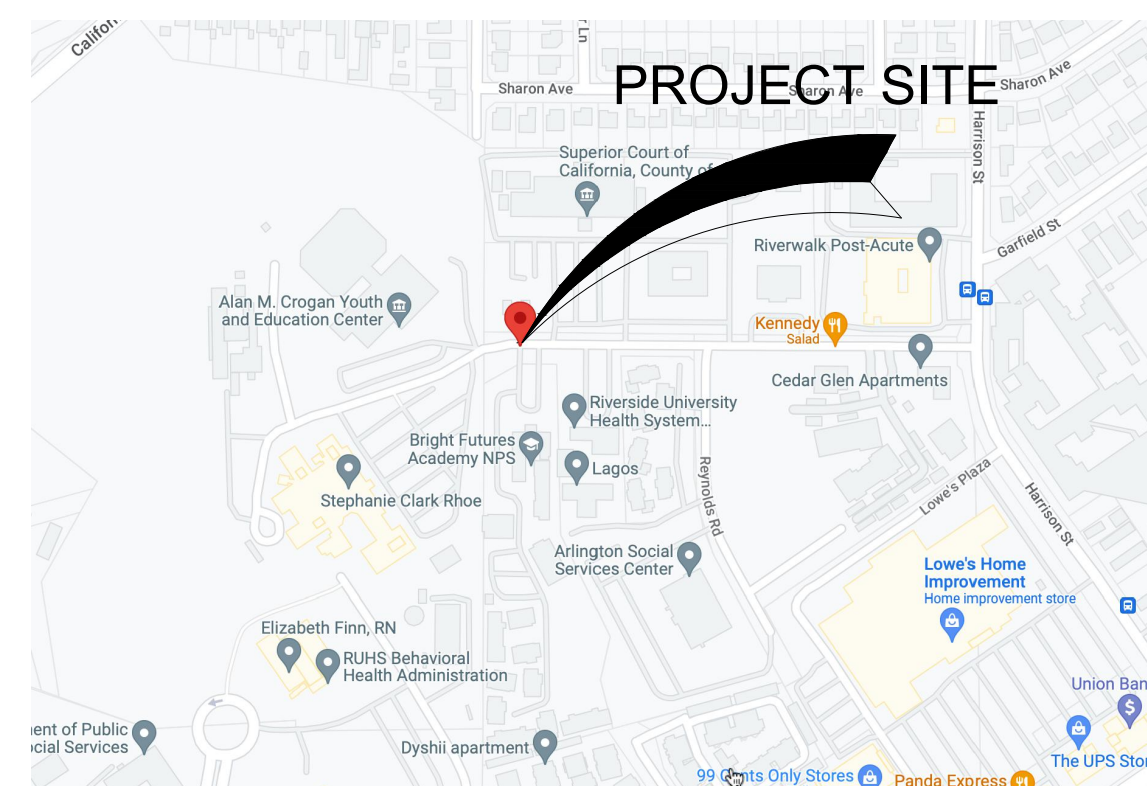
## PROJECT INFORMATION

PROVIDE NEW CHAINLINK FENCE ENCLOSURE AT THE REWAR PARLKING LOT.

## DESIGN REFERENCE

2019\_CBC\_ADVISORY\_MANUAL DIVISION 4:  
"ASCE STANDARD ASCE/SEI 7 TABLES 1 TO 13"

## VICINITY MAP



## FIRE DEPARTMENT NOTES:

GENERAL GUIDELINES REGARDING THIS PROJECT'S SCOPE OF WORK

FIRE DEPARTMENT ACCESS INFORMATION:  
KNOX PADLOCKS, AND SIMILAR PRODUCTS MANUFACTURED BY KNOX COMPANY, ARE THE ONLY TYPE APPROVED BY RIVERSIDE COUNTY FIRE DEPARTMENT.

A KNOX PADLOCK IS REQUIRED WHERE A CHAIN OR MANUAL GATE IS BEING UTILIZED.

## APPLICABLE CODES

- 2019 CALIFORNIA BUILDING CODE (CBC) / 2018 INTERNATIONAL BUILDING CODE (IBC)
- 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC) / 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
- 2019 CALIFORNIA HISTORICAL BUILDING CODE (CHBC)
- 2019 CALIFORNIA RESIDENTIAL CODE (CRC) / 2018 INTERNATIONAL RESIDENTIAL CODE (IRC)
- 2019 CALIFORNIA ELECTRICAL CODE (CEC) / 2017 NATIONAL ELECTRICAL CODE (NEC)
- 2019 CALIFORNIA MECHANICAL CODE (CMC) / 2018 UNIFORM MECHANICAL CODE (UMC)
- 2019 CALIFORNIA PLUMBING CODE (CPC) / 2018 UNIFORM PLUMBING CODE (UPC)
- 2019 CALIFORNIA GREEN BUILDINGS STANDARDS CODE (CALGREEN)
- 2019 CALIFORNIA ENERGY CODE



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## COUNTY OF RIVERSIDE BUILDING & SAFETY DEPARTMENT

SUBMISSION DATE	3/29/2022



SHEET TITLE  
TITLE SHEET

TS-1

## SHEET INDEX

TS-1 TITLE SHEET  
ST-1 OVERALL SITE-PLAN  
A-102 ENLARGED SITE-PLAN & DETAILS

## GENERAL CONSTRUCTION NOTES

- SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO, SHOP DRAWINGS, FABRICATION DRAWINGS, PLACEMENT DRAWINGS, CALCULATIONS, DESIGNS, TEST DATA, PRODUCT DATA, SAMPLES, CERTIFICATIONS AND REPORTS AS REQUIRED BY THE CONSTRUCTION DOCUMENTS
- PRIOR TO SUBMISSION TO THE STRUCTURAL ENGINEER, STAMP SUBMITTALS INDICATING THEY HAVE BEEN REVIEWED AND APPROVED FOR COMPLETENESS AND CONFORMANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS. SUBMITTALS THAT ARE DETERMINED TO BE INCOMPLETE, IN THE JUDGMENT OF THE STRUCTURAL ENGINEER, WILL BE RETURNED WITHOUT REVIEW SO THEY CAN BE COMPLETED. THE STRUCTURAL ENGINEER SHALL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
- PRIOR TO SUBMISSION TO THE STRUCTURAL ENGINEER, THE OWNER'S TESTING LABORATORY SHALL STAMP THE FOLLOWING MARKED SUBMITTALS INDICATING THEY HAVE BEEN REVIEWED AND APPROVED FOR COMPLETENESS AND CONFORMANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS:
  - CONCRETE MIX DESIGNS AND SUBSTANTIATING TEST DATA
  - MASONRY GROUT MIX DESIGNS AND SUBSTANTIATING TEST DATA
  - WELDING PROCEDURE SPECIFICATIONS
- SUBMITTALS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO UTILIZATION, INSTALLATION, FABRICATION OR CONSTRUCTION OF ITEMS CONTAINED WITHIN THE SUBMITTALS.
- WELDING MATERIALS & PROCEDURES SHALL CONFORM WITH AWS D1.1. AND AWS D1.8 WHERE APPLICABLE.
- MINIMUM SIZE OF FILLET WELDS: 1/8" FOR MATERIAL 1/8" TO 1/4" THICK, 3/16" FOR MATERIAL OVER 1/4" TO 1/2" THICK, 1/4" FOR MATERIAL OVER 1/2" TO 3/4" THICK, AND 5/16" FOR MATERIAL OVER 3/4" THICK. MATERIAL THICKNESS IS FOR THINNER PART JOINED. SINGLE PASS WELDS MUST BE USED FOR SIZES SHOWN. SIZE OF WELD IS LEG DIMENSION OF FILLET. MINIMUM EFFECTIVE LENGTH OF FILLET WELDS SHALL BE NOT LESS THAN FOUR TIMES THE FILLET SIZE. MINIMUM EFFECTIVE LENGTH OF INTERMITTENT FILLET WELDS SHALL BE 1 1/2".
- GROOVE WELDS SHALL BE COMPLETE JOINT PENETRATION WELDS, UNO. GROOVE WELDS SHALL BE TERMINATED AT THE END OF JOINTS IN A MANNER THAT WILL ENSURE SOUND WELDS. USE WELD TABS AND BACKING BARS ALIGNED TO PROVIDE AN EXTENSION OF THE JOINT PREPARATION. REMOVE EXTENSIONS UPON COMPLETION & COOLING OF THE WELD. GRIND ENDS OF THE WELD SMOOTH AND FLUSH WITH THE EDGES OF THE ABUTTING PARTS.
- WHERE "ALL AROUND" FILLET WELDS ARE INDICATED AT CONCEALED/NON-EXPOSED SQUARE OR RECTANGULAR HSS CONNECTIONS TO PLATES, FILLET WELDS ARE NOT REQUIRED AT RADIUSED CORNERS, UNO.
- BOLTS FOR STEEL-TO-STEEL CONNECTIONS SHALL BE PLACED IN STANDARD SIZE HOLES, TYP UNO. BOLTS FOR STEEL-TO-CONCRETE/MASONRY CONNECTIONS SHALL BE PLACED IN ANCHOR ROD HOLES, TYP UNO. USE STANDARD AISC PITCH & GAGE FOR BOLTED CONNECTIONS, UNO.

10. THE DESIGN, FABRICATION AND ERECTION OF STEEL SHALL BE IN ACCORDANCE WITH AISC 360 AND AISC 341 INCLUDING ANY ENFORCEMENT AGENCY AMENDMENTS.

STEEL PRODUCT	ASTM SPECIFICATION, UNO	COMMENTS
W & WT SHAPES	A992, GRADE 50	Fy = 50ksi
HP SHAPES	A572, GRADE 50	Fy = 50ksi
M, MT, S & ST SHAPES	A36	Fy = 36ksi
CHANNELS (C & MC)	A36	Fy = 36ksi
ANGLES	A36	Fy = 36ksi
PLATES & BARS	A36, TYP, UNO	Fy = 36ksi
RODS, PLAIN & ALL-THREADED	A572, GRADE 50	Fy = 50ksi
RAISED-PATTERN FLOOR PLATE PIPES	A36	Fy = 36ksi
ROUND HSS	A786, MEETING ASTM A36	Fy = 36ksi
RECTANGULAR & SQUARE HSS	A53, GRADE B	Fy = 35ksi
HIGH-STRENGTH BOLTS	A500, GRADE B	Fy = 42ksi
TWIST-OFF-TYPE TENSION-CONTROL BOLTS	A500, GRADE B	Fy = 46ksi
BOLTS	A325, HEAVY HEX, TYPE I	Fy = 92ksi
WASHERS	F1852, TYPE I	Fy = 60ksi
PLATE WASHERS	A307, GRADE A, HEX	Fy = 36ksi
HARDENED WASHERS	F844	Fy = 36ksi
DIRECT-TENSION INDICATOR WASHERS	F436, TYPE I	Fy = 36ksi
NUTS FOR HS & TENSION CONTROL BOLTS	F959, TYPE 325	Fy = 36ksi
NUTS FOR BOLTS & RODS	A563, GRADE C, HEAVY HEX GRADE DH IF GALVANIZED	Fy = 36ksi
ANCHOR BOLTS & RODS (HEADED OR THREADED & NUTTED)	A563, HEAVY HEX, GRADE A TYP, UNO GRADE DH IF GALVANIZED GRADE DH W/ F1554 GRADE 105 BOLTS	Fy = 55ksi Fy = 105ksi
WELDED HEADED STUDS, SHEAR STUDS, A108, GRADES 1010 -1020 & WELDED THREADED STUDS	F1554, CLASS 2A, S3	Fy = 75ksi
DEFORMED BAR ANCHORS	GRADE 36 TYP, UNO	Fy = 70ksi
WELD FILLER METAL	GRADE 55, S1 & S4	Fy = 70ksi
TURNBUCKLES	GRADE 105, S4 & S5	Fy = 70ksi
CLEVISSES, CLEVIS PINS, COTTER PINS	A496	Fy = 75ksi
EYENUTS & EYEBOLTS	AWS D1.1	Fy = 70ksi
SLEEVE NUTS	F1145 & AISI C-1035	Fy = 70ksi
RECESSED NUTS & PINS	AISI C-1035	Fy = 70ksi
COUPLING NUTS	AISI C-1030	Fy = 70ksi
	AISI C-1018, GRADE 2	Fy = 70ksi
	A36	Fy = 70ksi
	AISI 12L14 CARBON STEEL	Fy = 70ksi



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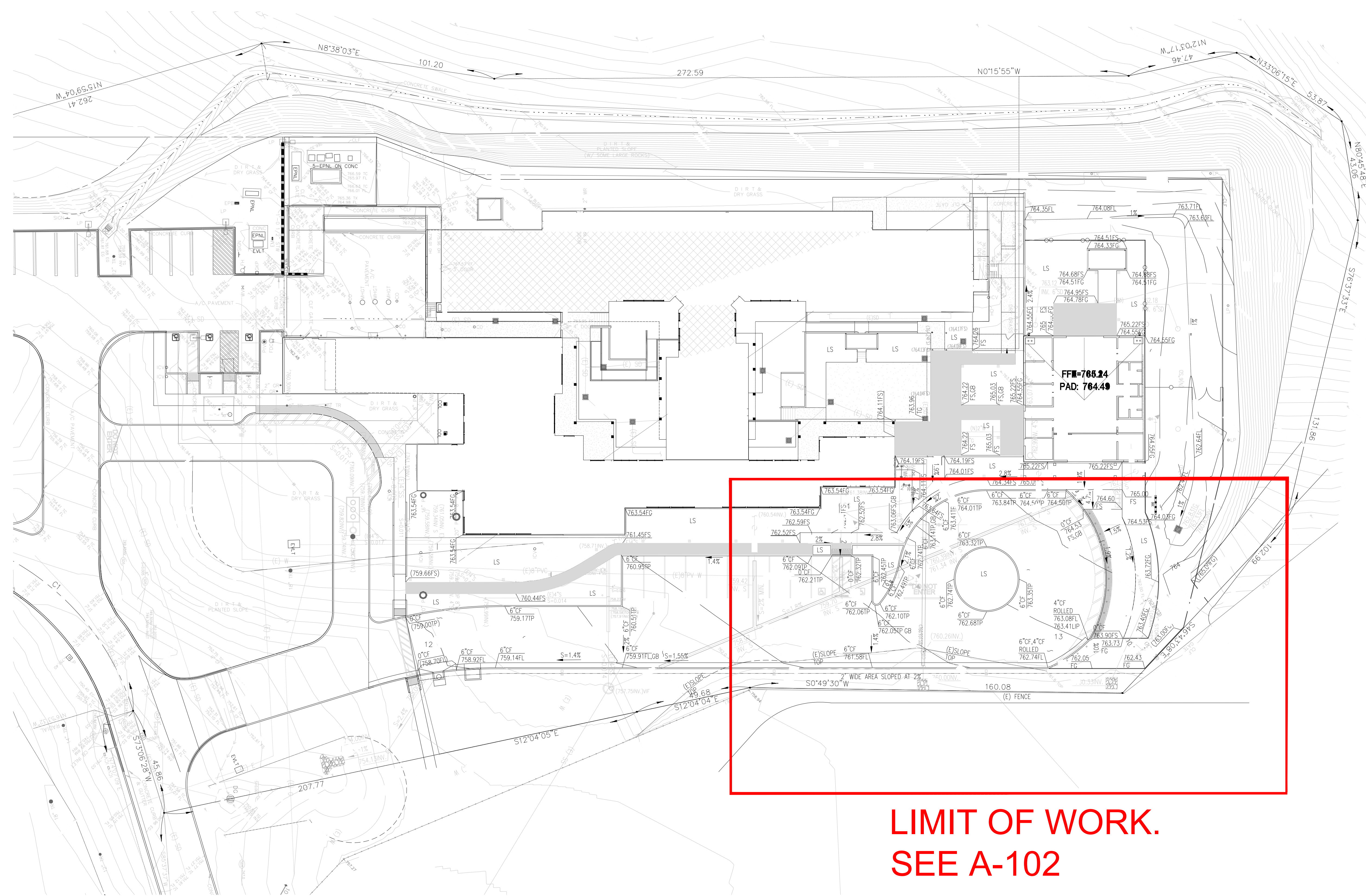
COUNTY OF RIVERSIDE  
BUILDING & SAFETY  
DEPARTMENT

SUBMISSION DATE 9/14/2021  
FIRST REVISIONS 10/23/2021



SHEET TITLE  
TITLE SHEET

ST-1



**LIMIT OF WORK.  
SEE A-102**

OVERALL SITE PLAN

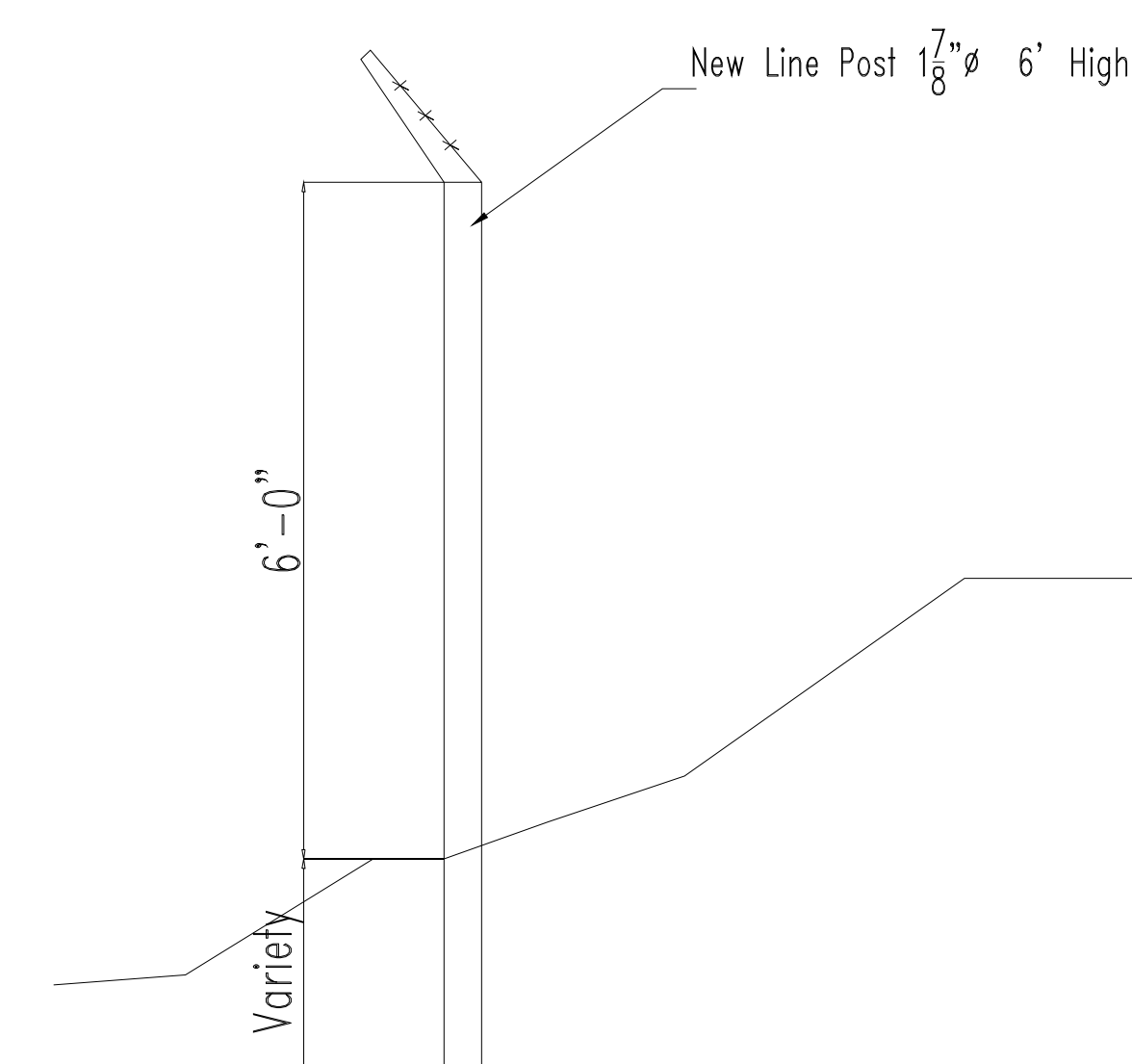
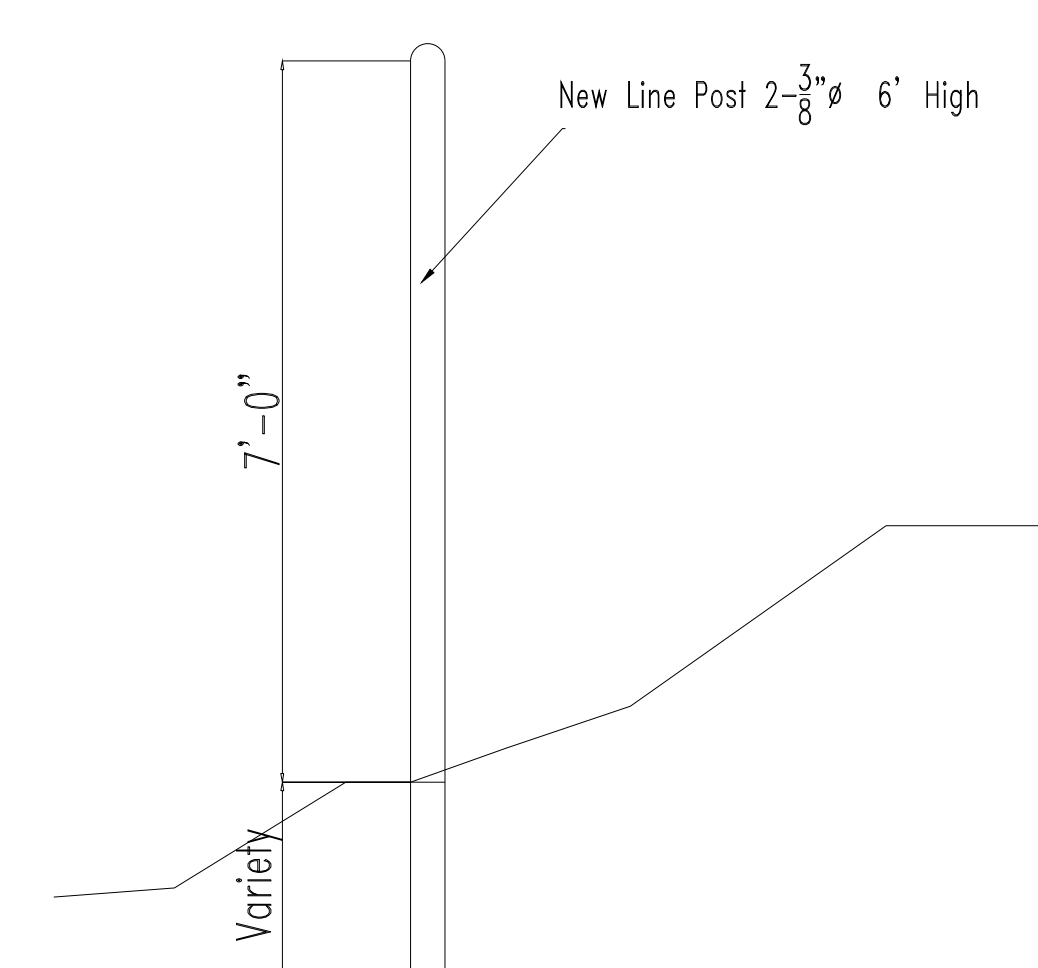
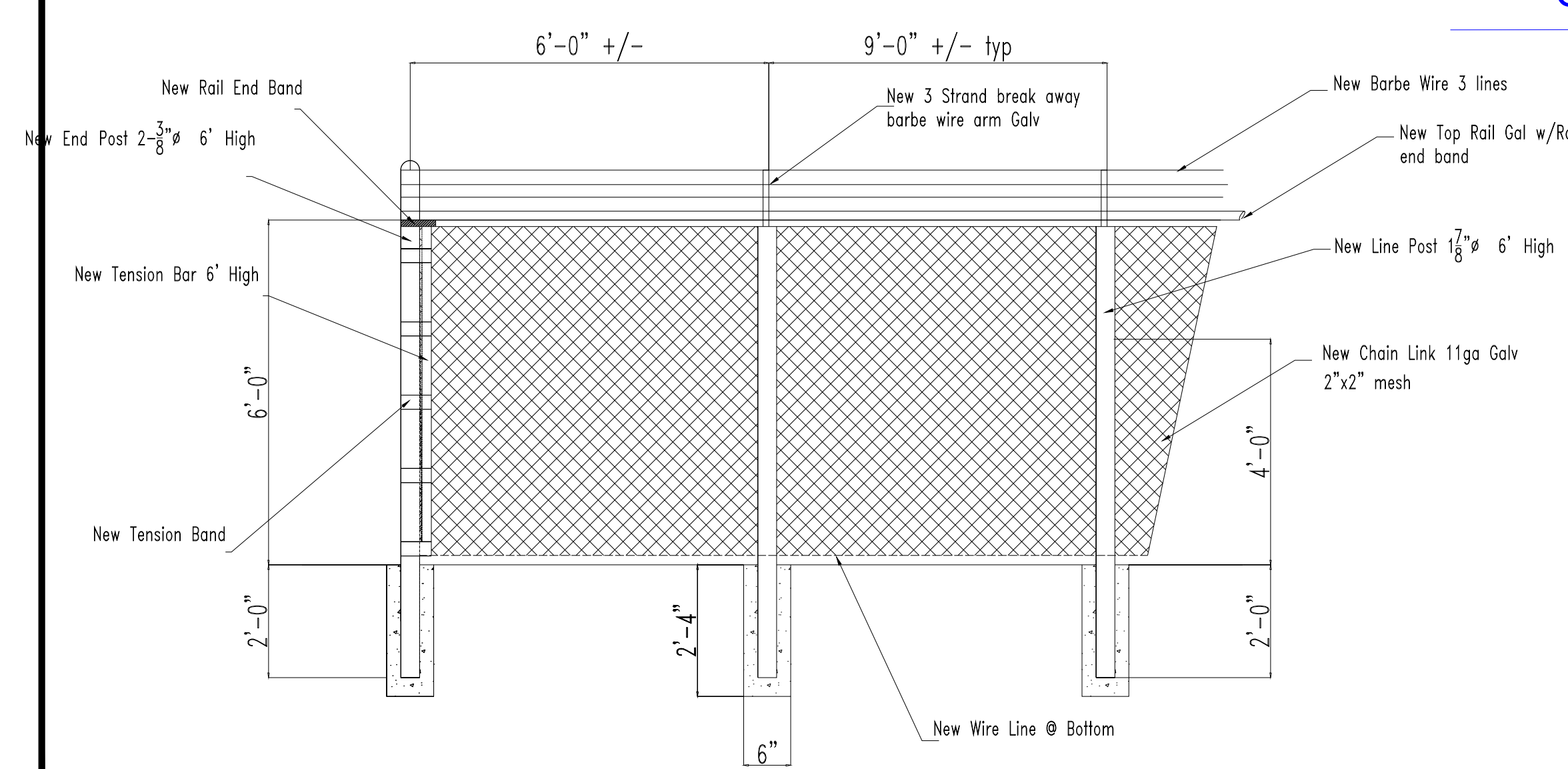
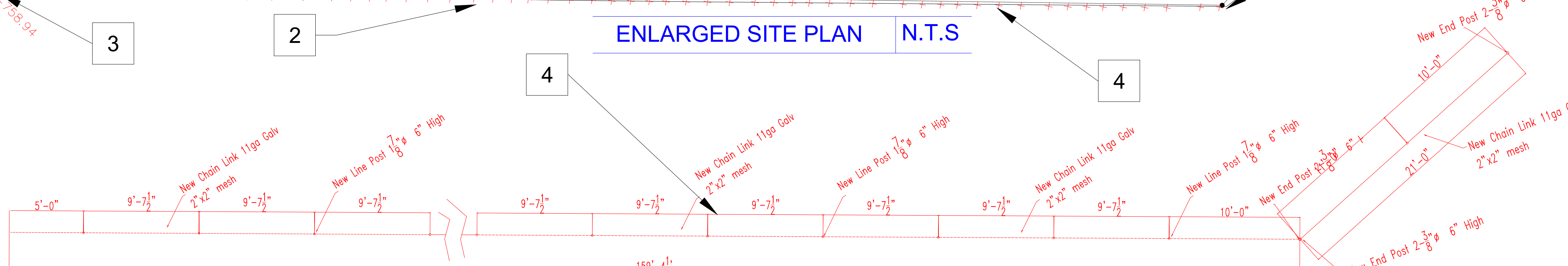
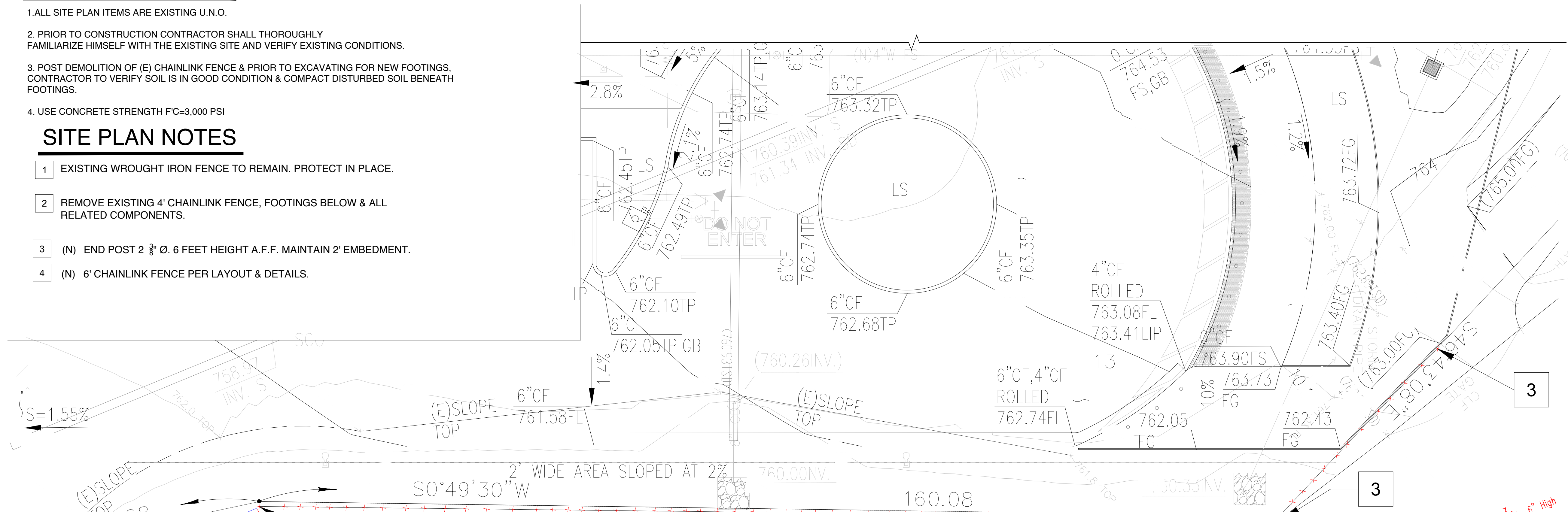
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# GENERAL NOTES

1. ALL SITE PLAN ITEMS ARE EXISTING U.N.O.
2. PRIOR TO CONSTRUCTION CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING SITE AND VERIFY EXISTING CONDITIONS.
3. POST DEMOLITION OF (E) CHAINLINK FENCE & PRIOR TO EXCAVATING FOR NEW FOOTINGS, CONTRACTOR TO VERIFY SOIL IS IN GOOD CONDITION & COMPACT DISTURBED SOIL BENEATH FOOTINGS.
4. USE CONCRETE STRENGTH F'C=3,000 PSI

# SITE PLAN NOTES

- 1 EXISTING WROUGHT IRON FENCE TO REMAIN. PROTECT IN PLACE.
- 2 REMOVE EXISTING 4' CHAINLINK FENCE, FOOTINGS BELOW & ALL RELATED COMPONENTS.
- 3 (N) END POST 2 3/8" Ø, 6 FEET HEIGHT A.F.F. MAINTAIN 2' EMBEDMENT.
- 4 (N) 6' CHAINLINK FENCE PER LAYOUT & DETAILS.

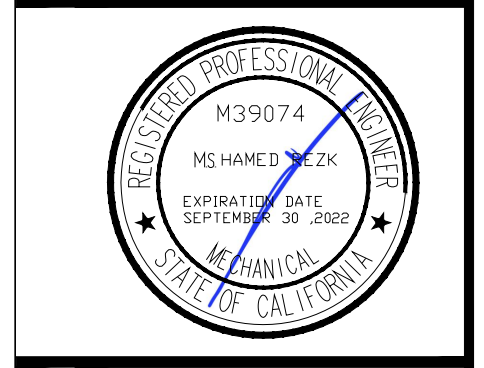


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A-102