

ATTACHMENT E

GENERAL NOTES

1. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE AND HAVING FAMILIARIZED HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO ANY DEMOLITION OR CONSTRUCTION AT THE JOB SITE. ANY DISCREPANCY TO NOTIFY LA COUNTY ARCHITECT IMMEDIATELY.
3. ALL WORK SHALL BE PERFORMED AS PER CALIFORNIA BUILDING CODE, 2022 EDITION AND ALL INSPECTIONS SHALL BE PERFORMED AS REQUIRED BY THE COUNTY OF LOS ANGELES BUILDING DEPARTMENT AND THEIR RELATED AGENCIES.
4. CONTRACTOR SHALL MAINTAIN A SET OF PLANS, APPROVED BY THE LOCAL BUILDING DEPARTMENT, ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
5. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITIONS OF THE COUNTY OF LOS ANGELES BUILDING CODE AND UNIFORM BUILDING CODE STANDARDS, CALIFORNIA CODE OF REGULATIONS HANDICAPPED ACCESSIBILITY REQUIREMENTS (TITLE 24), AMERICANS WITH DISABILITIES ACT (ADA), THE PLANS AND THE PROJECT MANUAL.
6. THIS PROJECT REQUIRES THE PRIME CONTRACTOR TO POSSESS A LICENSE CLASSIFICATION B AT THE TIME OF BID AWARD. CONTRACTORS SHALL VERIFY THAT ALL CORRECT LICENSES ARE POSSESSED FOR THIS PROJECT.
7. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY & PROTECT AND REPAIR ALL UNDERGROUND UTILITIES, INCLUDING ELECTRICAL, PLUMBING, SPRINKLERS, GAS SEWERS, AND STORM DRAINS WITHIN THE CONSTRUCTION SITE OR AREAS THAT THEY WORK IN. CONTRACTOR SHALL BE RESPONSIBLE TO SOLICIT THE SERVICES OF USA/DIG ALERT PRIOR TO AN EXCAVATION WORK.
8. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE DEPARTMENT OF PUBLIC WORKS AND BE RESOLVED PRIOR TO STARTING WORK. DO NOT SCALE DRAWINGS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES. CONTRACTOR TO COORDINATE CIVIL, ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING REQUIREMENTS BEFORE CONSTRUCTION. ALL CONDITIONED SPACES SHALL COMPLY WITH "TITLE 24" STATE ENERGY CONSERVATION REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN FIRE ACCESS DURING CONSTRUCTION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PUBLIC SAFETY AND FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION. THIS INCLUDES ALL NECESSARY SHORING, BRACING AND GUY WIRES WHICH SHALL CONFIRM TO ALL APPLICABLE SAFETY ORDINANCES. CONSULTANTS ARE AVAILABLE AT OSHA.
11. CONTRACTOR SHALL MAINTAIN THE SITE CLEAN OF RUBBISH SO AS NOT TO IMPED THE ACCESS AND WORK OF OTHER TRADES. THE CONTRACTOR SHALL PROVIDED BARRICADE/TEMPORARY FENCING/WARNING SIGNS TO PROTECT THE PUBLIC OR WORKMEN DURING CONSTRUCTION. BARRICADES/TEMPORARY FENCING SHALL BE LEFT IN PLACE UNTIL AUTHORIZED BY THE DEPARTMENT TO BE REMOVED BY THE CONTRACTOR, AND AFTER THE BARRICADES/TEMPARARY FENCING IS NO LONGER REQUIRED FOR PROTECTION.
12. ALL ADJACENT FACILITIES SHALL CONTINUE IN NORMAL OPERATION DURING THE PERIOD OF THE CONTRACT. THE CONTRACTOR SHALL CONDUCT HIS WORK IN SUCH A MANNER NOT TO RESTRICT OR OBSTRUCT ENTRANCES, EXITS OR DISRUPT UTILITY SERVICES. THE CONTRACTOR SHALL PROVIDE TEMPORARY CONNECTIONS, LINES AND SERVICES TO THE LOS ANGELES COUNTY DEPARTMENTS.
13. ALL AREAS AFFECTED OR DAMAGED BY ALTERATION, REMOVAL OF EXISTING CONSTRUCTION AND NEW WORK SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING OR IN A SATISFACTORY MANNER APPROVED BY LOS ANGELES COUNTY PUBLIC WORKS. MATCH ADJACENT SIMILAR MATERIALS IN TEXTURE AND COLOR.
14. SEPARATE BUILDING PERMITS SHALL BE TAKEN OUT FOR ELECTRICAL AND MECHANICAL PORTIONS. REQUIRED PERMITS SHALL BE OBTAINED FROM THE "STATE DIVISION OF INDUSTRIAL SAFETY" FOR ANY TRENCHES OR EXCAVATIONS 5 FEET OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND. SEPARATE PLANS SHALL BE PLAN CHECKED AND SEPARATE PERMITS SHALL BE OBTAINED FOR AUTOMATIC FIRE EXTINGUISHING SYSTEM AS APPLICABLE.
15. ALL WORK AND MATERIALS ARE NEW UNLESS OTHERWISE INDICATED. THE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE UNLESS OTHERWISE SHOWN. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING BUT NOT LIMITED TO INSTALLATION OF ADEQUATE SHORING, BRACING, ETC., TO SAFELY EXECUTE ALL WORK.
16. DRAWINGS ARE DIVIDED INTO SEPARATE SHEETS FOR GENERAL CONVENIENCE ONLY. SHEET DESIGNATIONS OR NUMBERS SHALL NOT BE CONSIDERED TO LIMIT AREAS OF WORK, RESPONSIBILITY, OR TRADES. CONTRACTOR MUST COORDINATE THE DRAWINGS WITH EACH OTHER AND WITH PROJECT MANUAL IN ORDER TO COMPLETE THE PROJECT AS DESIGNED.
17. DIMENSIONS OF STUD WALLS ARE TO CENTERLINE OF STUDS UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO CENTER LINE OF COLUMNS UNLESS NOTED OTHERWISE. CONCRETE IS DIMENSIONED TO FACE OF WALL. CMU DIMENSIONS ARE TO CENTERLINE OF MORTAR JOINTS UNLESS OTHERWISE NOTED. FOR EXACT OVERALL WALL DIMENSIONS SUBTRACT ONE MORTAR JOINT. FOR EXACT WALL OPENING DIMENSION ADD ONE MORTAR JOINT TO BOTH WIDTH AND HEIGHT. VERTICAL DIMENSIONS FROM FINISH FLOOR LINE ARE TO TO TOP OF UNIT UNLESS OTHERWISE NOTED.
18. TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE JOB, EXCEPT WHERE THEY CONTRADICT WITH DETAILS NOTES SPECIFIED ON OTHER SHEETS. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS BEST AS POSSIBLE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO LOS ANGELES COUNTY PUBLIC WORKS ARCHITECTS SO THAT THE PROPER REVISIONS MAY BE MADE. MODIFICATIONS OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF LOS ANGELES COUNTY PUBLIC WORKS ARCHITECTS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT FOR LIKE CASES OF CONSTRUCTION ON THIS PROJECT, AND BE SUBJECT TO REVIEW AND APPROVAL BY LA COUNTY PUBLIC WORKS (PW) ARCHITECTS.

CAMP GLENN ROCKEY
SECURITY UPGRADES
CONTRACT NO. PW15739 PCA: P9700226 PCS ID:00002237
1900 SYCAMORE ROAD,
SAN DIMAS, CA 91773

PROJECT SUMMARY

BUILDING OCCUPANCY: I - 3

BUILDING USE: JUVENILE DETENTION CENTER

CONSTRUCTION TYPE: MAIN BUILDING: APPROVED PLANS: TYPE I - A (NON-FIRE SPRINKLER, MONITORED FIRE ALARM WITH SMOKE DETECTORS PROTECTION SYSTEM) LACC 6528 (PLAN DRAWINGS DATED 1974)

AREA OF WORK: OUTDOOR SECURITY BOOTH APPROX. 45 SQ.FT.
TYPE V-B CONSTRUCTION
OUTDOOR ENGINE GENERATOR APPROX. 275 SQ.FT.
INSTALLATION OF AUTOMATIC TRANSFER SWITCH AT PUMP ROOM

PARKING: NEW VAN ACCESSIBILITY ADA PARKING STALLS
NEW ACCESSIBLE LOADING AREAS FOR ADA PARKING STALLS

DIRECTORY

OWNER'S REPRESENTATIVE
LOS ANGELES COUNTY
PUBLIC WORKS
PROJECT MANAGEMENT DIVISION II
900 S. FREMONT AVENUE
ALHAMBRA, CA 91803
ATTN: CHAM WADU
TEL: 626-300-3246

ARCHITECT
JTC ARCHITECTS, INC.
65 N. FIRST AVE., STE. 201
ARCADIA, CA 91006
ATTN.: JUNE QUEK
TEL : 626-254-8884

STRUCTURAL ENGINEER
MHP
3900 COVER STREET
LONG BEACH, CA 90808
ATTN.: RICK BEALL
FAX: 562-985-3200

MECHANICAL/
ELECTRICAL ENGINEERS
dHA+CALPEC
150 S. ARROYO PARKWAY,
STE. 100 PASADENA, CA 91105
ATTN.: DEREK WEI (ELEC.)
TEL.: 626-445-8580

CIVIL ENGINEER
CALVADA SURVEYING, INC.
411 JENKS CIRCLE, SUITE 205
CORONA, CA 92878
ATTN.: ARMANDO DUPONT
TEL: 951-280-9960

AV/IT/SECURITY CONSULTANT
INNOVAVE
12970 BRNAFORD ST, UNIT F
ARLETA, CA 91331
ATTN.: JOE ALABASHYAN
TEL.: 818-630-5755

APPLICABLE CODES

BUILDING CODES:
CALIFORNIA BUILDING CODE, 2022 EDITION
W/ 2023 COUNTY OF LOS ANGELES BUILDING CODE (TITLE 26)
(W/ 2023 COUNTY OF LOS ANGELES AMENDMENTS FULLY INTEGRATED INTO 2022 CALIFORNIA BUILDING CODE)
CALIFORNIA MECHANICAL CODE, 2022 EDITION
CALIFORNIA ELECTRICAL CODE, 2022 EDITION
CALIFORNIA PLUMBING CODE, 2022 EDITION
CALIFORNIA ENERGY CODE, 2022 EDITION
CALIFORNIA GREEN BLDG. STANDARDS CODE, 2022 EDITION



BEST MANAGEMENT PRACTICES
FOR CONSTRUCTION ACTIVITIES*

Storm Water Pollution Control Requirements for Construction Activities
Minimum Water Quality Protection Requirements for All Development Construction
Projects/Certification Statement

The following is intended as minimum notes or as an attachment for building and grading plans and represent the minimum standards of good housekeeping that must be implemented on all construction sites regardless of size. (Applies to all permits)

- Eroded sediments and other pollutants must be retained on site and may not be transported from the site via streetflow, swales, area drains, natural drainage sources or wind.
- Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- Fuels, oils, solvents and other toxic materials must be stored in accordance with their labeling and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- Non-stormwater runoff from equipment and vehicle washing and any other activity shall be contained at the project site.
- Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
- Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
- Other:

At the project location or authorized agent of the owner, I have read and understand the requirements listed above, necessary to control storm water pollution from sediments, erosion, and construction materials, and I certify that I will comply with these requirements.

Print Name: Cham Wadu
Signature: (Owner or authorized agent of the owner) Date: 9/11/2024
Signature: (Owner or authorized agent of the owner)

*The Storm Water Management Practices are detailed in the C.A.G.C.A. "Storm Water Management Practices Handbook" (November 2006).

Please Refer to the C.A.G.C.A. Forms and Publications Attachment A & B&P Index (3-16-2011).

LEGAL DESCRIPTION

ADDRESS : 1900 SYCAMORE CANYON RD., SAN DIMAS CA 91773-1220

PROPERTY BOUNDARY DESCRIPTION : THAT PARCEL (EX OF ST) IN SAN DIMAS CITY LTC DIST ZONE B OF LOT COM AT NW COR OF SEC 35 T IN R 9W TH S ON W LINE OF SD SEC 1305.15 FT. TH N 89 27'25" E TO E LINE OF SYCAMORE CYN. RD. TH S AND FOLLOWING SD RD TO SW LINE OF LAND DESC IN DDS 3922-283 TO L A CO TH SE THEREON TO A PT S 0 0'2" W 405 FT FROM NW COR OF LOT 16 WESTERN WATER AND POWER CO'S TR TH N 00 2' E 412.47 FT TH N 89 49' E 10.09 FT. TH N 0 18' E 2620.48 FT TH S 89 15'50" W 2606.34 FT TO BEG PARTOF W 1/2 OF SEC 35 T IN R 9W

ASSESSOR'S ID NO. : 8665-001-901

SCOPE OF WORK

PERMIT APPLICATION INVOLVES CONSTRUCTING CONCRETE FOUNDATION FOR A PREFABRICATED SECURITY BOOTH AND REQUIRED POWER. PROVIDE ENGINE GENERATOR FOR EXISTING BOOSTER WATER PUMPS WITH ALL ASSOCIATED POWER SUPPORTS AND CONCRETE FOUNDATION SUPPORT. INSTALL NEW CHAINLINK FENCE FOR OUTDOOR ENGINE GENERATOR

PROVIDE LOW VOLTAGE CONNECTION SYSTEM FOR SECURITY COMMUNICATION BETWEEN NEW SECURITY BOOTH AND MAIN ADMINISTRATION BUILDING. INSTALL NEW CAMERA ON POST FOR SECURITY

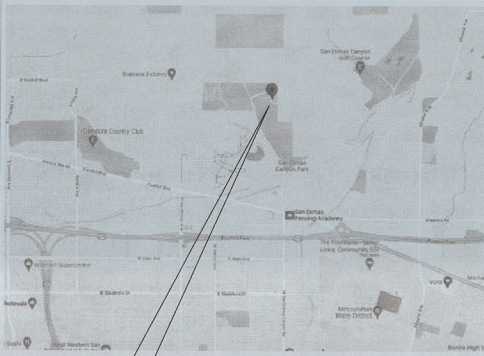
RECONFIGURE (E) HANDICAP PARKING STALLS IN FRONT FOR THE MAIN BUILDING TO INCLUDE THE REQUIRED VAN ACCESSIBILITY PARKING STALL PER ADA CODES

PATCH AND REPAIR AFFECTED ASPHALT PAVING. FINISH SITE PARKING AREA WITH NEW SLURRY COATINGS AND PARKING STRIPINGS

COUNTY OF LOS ANGELES
FIRE DEPARTMENT
PETROLEUM CHEMICAL UNIT
APPROVED
By: [Signature] Date: 9-26-24
[Checkboxes for various safety items]

- Remote Manual Emergency Shut Off Button
- 2A-20 Bc Fire Extinguisher
- 704 Placards
- 12 Foot Ventilation Pipe
- No Smoking Sign
- Diesel Fuel Sign

VICINITY MAP



PROJECT SITE

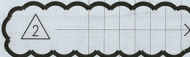


NOT TO SCALE

DRAWING INDEX

DRAWING NUMBER AND TITLE

ISSUE DATE



DRAWING NUMBER AND TITLE	ISSUE DATE
1 06-16-23 ISSUED FOR SCHEMATIC DESIGN	
2 11-15-23 ISSUED FOR 50% CONSTRUCTION DOCUMENTS	
3 01-31-24 ISSUED FOR 90% CONSTRUCTION DOCUMENTS	
4 03-18-24 ISSUED FOR 90% CONSTRUCTION DOCUMENTS	
5 04-17-24 ISSUED FOR PLAN CHECK SUBMITTAL	
6 06-10-24 ISSUED FOR PLAN CHECK RESUBMITTAL	
7 09-04-24 ISSUED FOR PLAN CHECK RESUBMITTAL	
8 09-13-24 ISSUED FOR PLAN CHECK RESUBMITTAL - DRAINAGE PLAN	

T-1 TITLE, GENERAL NOTES, BUILDING SUMMARY, VICINITY MAP, DIRECTORY, DRAWING INDEX, SCOPE OF WORK, AND LEGAL DESCRIPTION

C-1.01 TOPOGRAPHIC SURVEY

ARCHITECTURAL

A-0.00 OVERALL SITE PLAN - SHOWING AREA OF WORK
A-0.01 PARTIAL SITE PLANS
A-1.01 PARTIAL SITE PLAN SECURITY BOOTH AND ADA PARKING STALLS-DEMO
A-1.02 PARTIAL SITE PLAN SECURITY BOOTH AND ADA PARKING STALLS-NEW
A-1.03 PARTIAL ENLARGED SITE PLANS - NEW WORK
A-1.04 PARTIAL ENLARGED SITE PLANS ENGINE GENERATOR-DEMO AND NEW
A-1.05 ENLARGED PUMP HOUSE FLOOR PLAN - NEW
A-1.06 SITE DETAILS
A-2.01 SECTION AND ELEVATIONS - SECURITY BOOTH
A-2.02 SECTION AND ELEVATIONS - ENGINE GENERATOR

STRUCTURAL

S-1.00 STRUCTURAL NOTES AND ABBREVIATIONS
S-1.01 STRUCTURAL NOTES AND ABBREVIATIONS
S-2.00 PARTIAL SITE PLAN
S-4.00 TYPICAL FOUNDATION DETAILS
S-7.00 EQUIPMENT ANCHORAGE DETAILS

ELECTRICAL

E-0.01 LEGENDS AND NOTES
E-0.02 SINGLE LINE DIAGRAMS
E-0.03 PANEL SCHEDULES
E-0.04 DETAILS
E-1.01 PARTIAL POWER PLAN - CAMP GLENN ROCKEY
E-1.02 PARTIAL POWER PLAN - PUMP BUILDING

AV/IT/SECURITY

SE-01 TITLE SHEET
SE-02 SITE PLAN
SE-03 PARTIAL SITE PLAN
SE-04 SECURITIES BOOTH PLAN
SE-05 DETAILS

SECURITY BOOTH FROM MANUFACTURER (FOR REFERENCE ONLY)

SEC-1 COVER PAGE
SEC-2 ELEVATIONS E1 AND E2
SEC-3 ELEVATIONS E3 AND E4
SEC-4 FLOOR PLAN
SEC-5 STUB AREA AND ANCHOR PLAN
SEC-6 ELECTRICAL NOTES AND PLAN
SEC-7 FLOOR FRAMING PLAN
SEC-8 ROOF SECTION
SEC-9 DETAILS
SEC-10 GENERAL NOTES

SPEC 7879

BUILDING PLAN CHECK
APPLICATION NUMBER:

BLDC240417000421

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LOS ANGELES COUNTY
PUBLIC WORKS
900 SOUTH FREMONT AVE.
ALHAMBRA, CA 91803

PROJECT :
CAMP GLENN ROCKEY
SECURITY UPGRADES

LOCATION :
1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773

ARCHITECT :
JTC
architects, inc.

65 N. 1ST AVENUE, SUITE 201
ARCADIA, CA 91008
T: 626 254-8884
E: info@jtcarch.com

JTC PROJECT NO. 37606.0D



CONSULTANT :

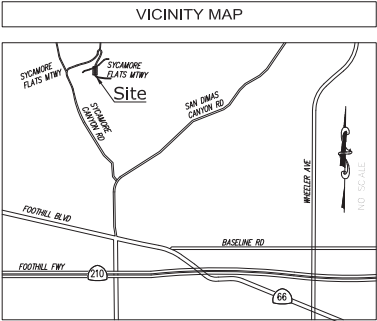
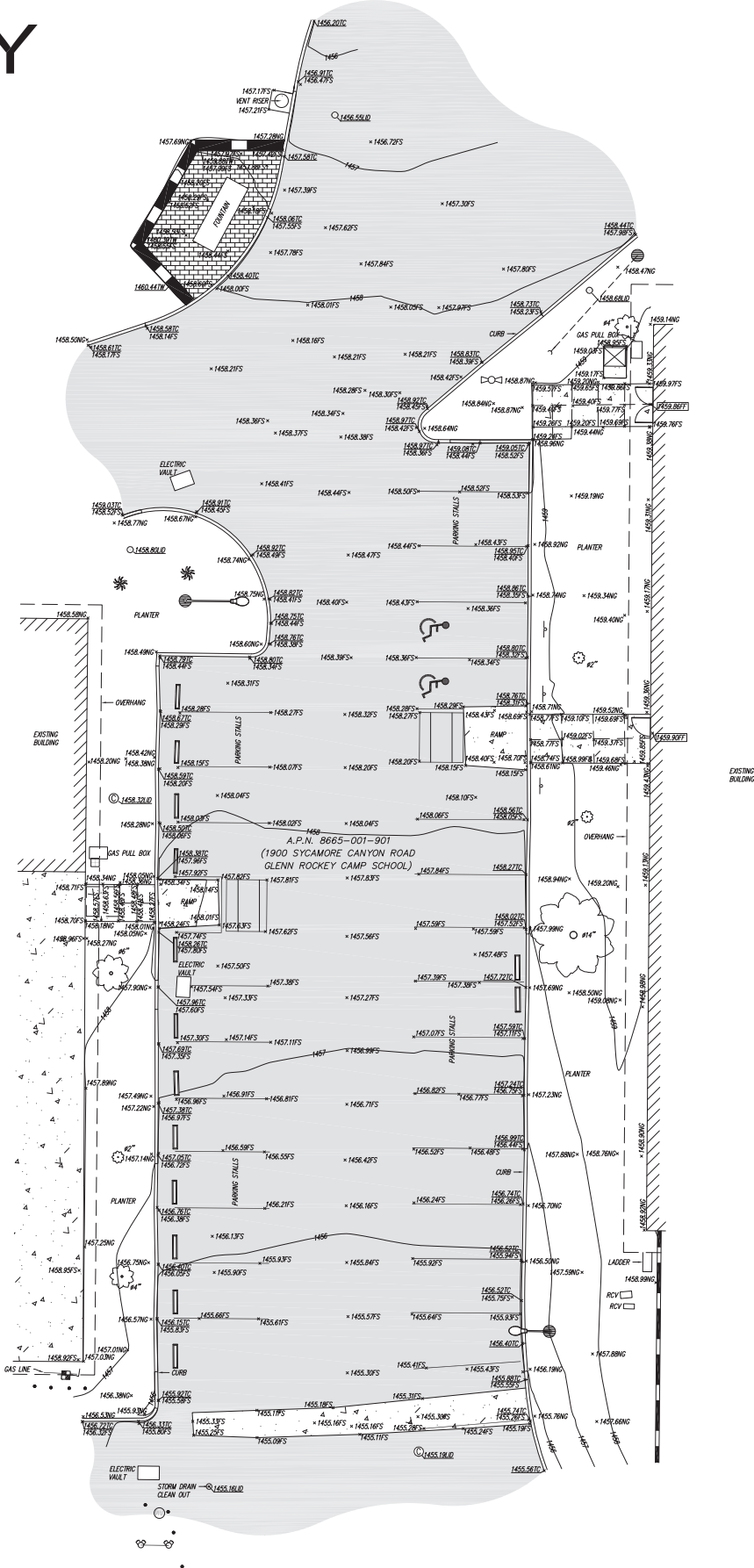
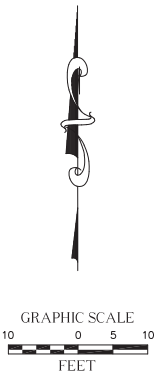
TITLE:
TITLE SHEET

SCALE: AS NOTED
DATE: 6-10-24
DRAWN BY: JTC
CHECKED BY: JTC
SHEET NUMBER:

T-1

TOPOGRAPHIC SURVEY

GLENN ROCKEY CAMP SCHOOL
1900 SYCAMORE CANYON ROAD,
SAN DIMAS, CA 91773



LEGEND	
	AIR CONDITIONING UNIT
	ASPHALT PAVEMENT
	CAR STOP
	CONCRETE PAVEMENT
	CONTROL POINT
	DECORATIVE BRICK
	DOOR
	FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT
	GAS METER
	GUARD POST
	GUY WIRE
	HANDICAP
	PALM TREE
	POST INDICATOR VALVE
	SEWER CLEAN OUT
	SEWER MANHOLE
	SIGN
	STREET LIGHT
	TREE (TYPICAL)
	UTILITY POLE
	WATER METER
	WATER VALVE
	ASSESSOR'S PARCEL NUMBER
	DIAMETER OF EXISTING TREE
	FINISH FLOOR
	FINISH SURFACE
	NATURAL GROUND
	TOP OF CURB
	TOP OF WALL
	BLOCK WALL
	OVERHANG

SPEC 7879

BUILDING PLAN CHECK
APPLICATION NUMBER:

BLDC240417000421

DATE: 6-10-24

C-1.01

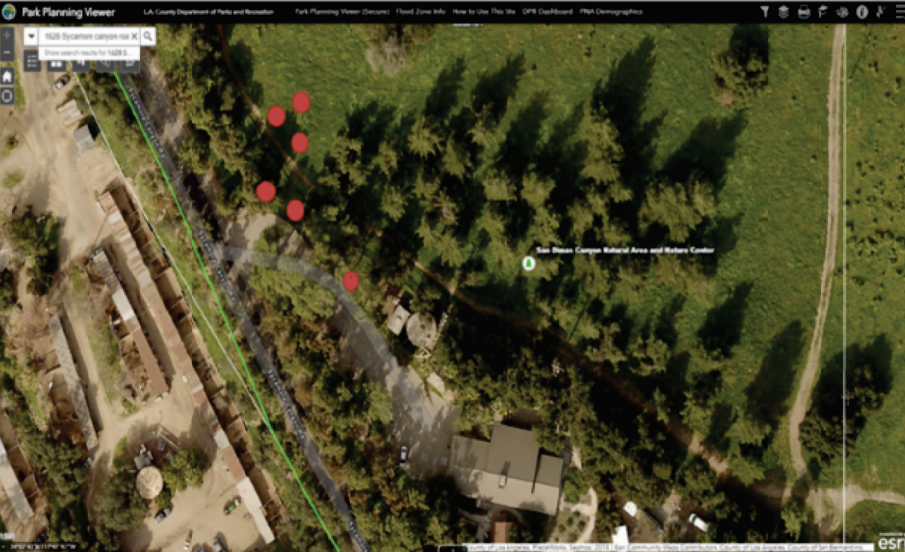
SURVEYOR OF RECORD

FIELD COMPLETION DATE: APRIL 21, 2023

REVISIONS				UTILITY STATEMENT		PREPARED FOR		BASIS OF COORDINATES		BENCHMARK		SITE INFORMATION		SURVEYOR OF RECORD	
NO.	DATE	REVISIONS	BY	BURIED UTILITIES AND/OR PIPELINES SHOWN HEREON ARE PER VISIBLE AND APPARENT SURFACE EVIDENCE, RECORD DRAWINGS OF THE CONSTRUCTED UTILITY LINES OBTAINED FROM RELIABLE AND RESPONSIBLE SOURCES NOT CONNECTED WITH CALVADA SURVEYING, INC. OR WARRANTIES PROVIDED BY AN INDEPENDENT LOCATING CONTRACTOR. NO GUARANTEE OR WARRANTY, EITHER EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY OR INCOMPLEteness OF SUCH INFORMATION. IF MORE ACCURATE LOCATIONS OF UNDERGROUND UTILITIES OR PIPE LINES ARE REQUIRED, THE UTILITY OR PIPELINE WILL HAVE TO BE VERIFIED BY FIELD TYPING, CALVADA SURVEYING, INC. AND THE SURVEYOR OF RECORD SHALL NOT BE HELD LIABLE FOR THE LOCATION OF OR THE FAILURE TO NOTE THE LOCATION OF NON-VISIBLE UTILITIES OR PIPELINES.		JTC Architects 65 N. 1ST AVENUE, SUITE 201 ARCADIA, CA 91006 PHONE: (626) 254-8884		THE COORDINATES SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCRS, ZONE 5, (2018.00) IN ACCORDANCE TO THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819. SAID COORDINATES ARE DETERMINED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING LICA SHARNEY NORTH AMERICA (SUNLA) CONTINUOUSLY OPERATING REFERENCE STATIONS (C.O.R.S.): S.N.A. CAGZ NORTHING = 1869156.79' EASTING = 6614016.57' S.N.A. CAGC NORTHING = 1800791.49' EASTING = 6537285.30'		ELEVATIONS SHOWN HEREON ARE BASED UPON LOS ANGELES COUNTY BENCHMARK NG5339, ELEVATION 1073.01 FEET (NAVD 83). DESCRIPTION: LACO BM TAG IN N CB SAN DIMAS CYN RD 3' W/D END C B 43' N/D C/L & 43' E/D C/L SYCAMORE CYN RD		SITE NAME: GLENN ROCKEY CAMP SCHOOL SITE ADDRESS: 1900 SYCAMORE CANYON ROAD, SAN DIMAS, LOS ANGELES, CA 91773 ASSESSOR'S PARCEL NO.: 8665-001-001		CAL VADA SURVEYING, INC. 411 Jenks Circle, Suite 205, Corona, CA 92878 Phone: 951-280-9860 Fax: 951-280-9746 Toll Free: 800-CALVADA www.cdv-survey.com EST. 1989 JOB NO. 23215-PW	
0	05/02/23	SUBMITTAL	VG	Underground Service Alert Call: TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG										Armando D. DuPont Registration No. 7780	



AREA OF WORK
SECURITY BOOTH



- REMOVE (2) PINE TREES AND (1) PALM TREE PER DETAIL 1/A-1.04 WITH (6) OAK TREES. SEE BELOW:
 - CONTAINER SIZE: 25 GALLONS
 - TOTAL WEIGHT: 75-100 LBS
 - CONTAINER HEIGHT: 19"
 - CONTAINER DIAMETER: 23"
- REPLACEMENT AREAS FOR TREES ARE SHOWN WITH RED DOTS IN INSERTED PICTURE IMAGE BELOW.
- CONTRACTOR TO TREAT THESE REPLACEMENTS AS "DESIGN-BUILD" WITH ALL NECESSARY IRRIGATION SYSTEM, ETC.

1 AREA OF WORK
ENGINE GENERATOR
AND PUMP HOUSE
REFER TO 1/A-0.01
AND 1/A-1.05

SPEC 7879

BUILDING PLAN CHECK
APPLICATION NUMBER

BLDC24041700042

GENERAL NOTES

- CONTRACTOR SHALL PERFORM GROUND PENETRATING RADAR TEST BEFORE COMMENCING WORK. DOCUMENT ALL UTILITY LINES THROUGH AS-BUILT PROCESS. INFORM THE ARCHITECT OF FINDINGS.
2. PROTECT AT ALL COST EXISTING STRUCTURES, SURFACES, ON-SITE EQUIPMENTS, ETC DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED DUE TO NEGLIGENCE AND OR AS RESULT OF NOT FURTHER INVESTIGATING OR FAMILIARIZING HIMSELF WITH ALL AREAS INVOLVED (NOT ONLY LIMITED TO WORK AREAS)
3. DO NOT BLOCK ANY INGRESS OR EGRESS PATHWAY OF STRUCTURE. PROVIDE A CLEAR AND UNOBSTRUCTED PATH OF TRAVEL DEEMED SAFE AS AN ALTERNATIVE WAY TO AND FROM BUILDING ENTRANCES, IF NECESSARY
4. SUBMIT CONSTRUCTION SAFETY PLAN AND PROPOSED PARKING LOCATIONS FOR BOTH SITE AREAS FOR CONSTRUCTION CREW TO OWNER FOR REVIEW & APPROVAL. CONTRACTOR SHALL MINIMIZE PARKING AREA CLOSURES. COORDINATE WITH NATURE CENTER FOR PERMISSION TO ACCESS SITE PRIOR TO COMMENCING ANY WORK
5. VERIFY LOCATION FOR APPROVAL WITH OWNER FOR STAGING AREA AS REQUIRED FOR TEMPORARY STORAGE OF DEBRIS REMOVED AND STORAGE FOR SUPPLY OF MATERIALS. CONTRACTOR TO PATCH & REPAIR ANY DAMAGED PORTION OF AFFECTED AREA AS A RESULT OF TEMPORARY STAGING AREA
6. ALL CONCRETE CURB AND GUTTER FLOWLINES WITH LESS THAN ONE PERCENT SHALL BE WATER TESTED PRIOR TO FINAL FINISHING TO ENSURE PROPER DRAINAGE W/O UNACCEPTABLE HIGH OR LOW SPOTS.
7. COORDINATE WITH THE OWNER TO ACQUIRE AN ENCROACHMENT PERMIT (IF APPLICABLE) TO PERFORM WORK WITHIN THE STREET/COMMON PARKING RIGHT-OF-WAY
8. ALL UTILITY TRENCH BACKFILL AND COMPACTION INSPECTION BE PERFORMED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.
9. ALL DAMAGED CONCRETE SIDEWALKS OR CURBS SHALL BE SAW CUT TO THE NEAREST TRANSVERSE SCORE MARK, OR ADJUSTABLE CONTROL JOINT, OR WEAKENED PLANE JOINT AND REPLACED IN CONFORMANCE WITH THE LATEST STANDARDS.
10. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST-FREE, AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE OWNER. THE ADJACENT AREAS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN-UP ON ADJACENT STREETS AFFECTED CONSTRUCTION. METHOD OF STREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BLDG MATERIALS WILL BE ALLOWED WITHIN THE STREET RIGHT-OF-WAY WITHOUT THE PERMISSION OF THE OWNER.
11. TRAFFIC FLOWS SHALL BE MAINTAINED AT ALL TIMES AND PROTECTED WITH ADEQUATE BARRICADES, LIGHTS, SIGNS, AND WARNING DEVICES IN ACCORDANCE WITH THE CURRENT STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, TRAFFIC MANUAL AND TO OWNER.
12. IRRIGATION LINES SHALL BE REMOVED, RELOCATED OR RECONSTITUTED AS NECESSARY, IN ACCORDANCE WITH LATEST STANDARDS
13. FOR NOTICE OF INSPECTIONS, CONTRACTOR MUST PROVIDE 48 HOUR NOTICE FOR INSPECTIONS
14. FOR NOTICE TO ACCESS SECURED AREAS, CONTRACTOR MUST PROVIDE 48 HOUR NOTICE FOR APPROVAL BEFORE ACCESSING SECURED AREAS
15. CONTRACTOR TO PROVIDE TEMPORARY ALTERNATE ADA ACCESS DURING RAMP CONSTRUCTION IN FRONT OF OFFICE ENTRANCE. PROVIDE COMPLIANT TEMPORARY SIGNS AND ADA RAMP
16. CONTRACTOR TO PROVIDE HEAVY DUTY INDUSTRY STANDARDS PAD LOCKS FOR ALL LOW PULL BOXES FOR BOTH SECURITY BOOTH AND ENGINE GENERATOR PROJECT SITES
17. CONTRACTOR TO PROVIDE WARNING SIGNS ON EACH SIDE OF THE ENGINE GENERATOR CHAINLINK FENCE
18. REPLACE PLANTS OR GROUND COVER TO MATCH EXISTING. INCLUDE 90 DAY MAINTENANCE PERIOD FROM THE DATE OF ACCEPTANCE
19. CONTRACTOR SHALL BE REQUIRED TO SIGN AN AGREEMENT WITH NATURE CENTER FOR ACCESS TO THE GENERATOR AND RELATED CONSTRUCTION AREAS
20. LOCATIONS OF LOW WALL MOUNTED PULL BOXES SHALL BE APPROVED BY PROBATION OPERATIONS TO MITIGATE POTENTIAL USE OF THEM AS STEPPING STONE TO CLIMB ONTO ROOF CREATING AN ESCAPE PATH

ENVIRONMENTAL NOTES

1. CONTRACTOR SHALL NOTIFY ALL OF HIS SUBCONTRACTORS THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.
2. CONTRACTOR SHALL MAINTAIN CONSTRUCTION SITE IN SUCH CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANT, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINTS FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR, OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; AND SUPERCHLORINATED POTABLE WATER LINE FLUSHINGS.
3. DURING CONSTRUCTION, CONTRACTOR SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
4. DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON-CONTAMINATED GROUNDWATER REQUIRES AN APPROVAL FROM THE OWNER.

EROSION NOTES

1. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ONSITE OR STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
2. EROSION CONTROL DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE OWNER.
3. ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40 PERCENT.
4. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM STREETS, CHECK BERMS, AND BASINS.
5. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY DRAINAGE TO BE DIRECTED TOWARD DESILTING FACILITIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE AND TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.

DATE	NO.	REMARKS	BY	DATE	NO.	REMARKS	BY	DATE	NO.	REMARKS	BY
6-10-24	△	PLAN CHECK RESUBMITAL	JTC		△				△		
	△				△				△		



LOS ANGELES COUNTY
PUBLIC WORKS
900 SOUTH FREMONT AVE.
ALHAMBRA, CA 91803

PROJECT :

CAMP GLENN ROCKEY SECURITY UPGRADES

LOCATION :

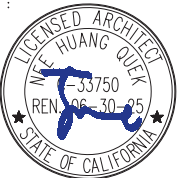
**1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773**

ARCHITECT



JTC PROJECT NO: 37606.01

SEAL :



CONSULTAN

TITLE:

OVERALL SITE PLAN AREAS OF WORK

SCALE:	AS NOTED
DATE:	6-10-24
DRAWN BY:	JTC
CHECKED BY:	JTC
SHEET NUMBER:	

A-0.00



LOS ANGELES COUNTY
PUBLIC WORKS
900 SOUTH FREMONT AVE.
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PROJECT :

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SECURITY UPGRADES

LOCATION :

1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773

ARCHITECT :

JTC
architects, inc.
65 N. 1ST AVENUE, SUITE 201
ARCADIA, CA 91008
T: 928 254-6884
E: info@jtcarch.com

JTC PROJECT NO: 37606.0D

SEAL :



CONSULTANT :

TITLE:

PARTIAL SITE PLANS

SCALE: AS NOTED

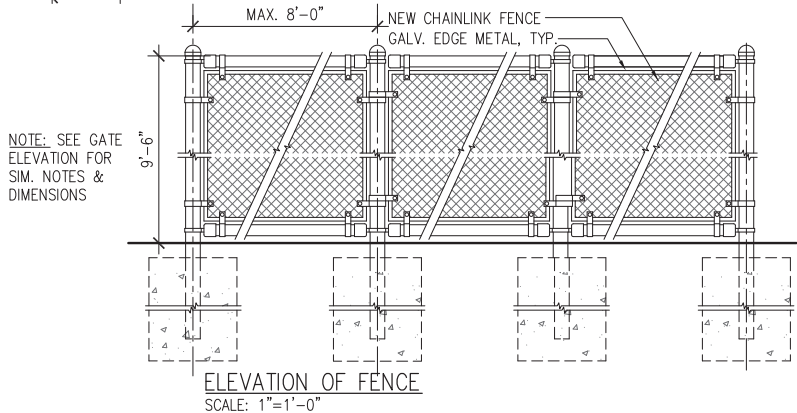
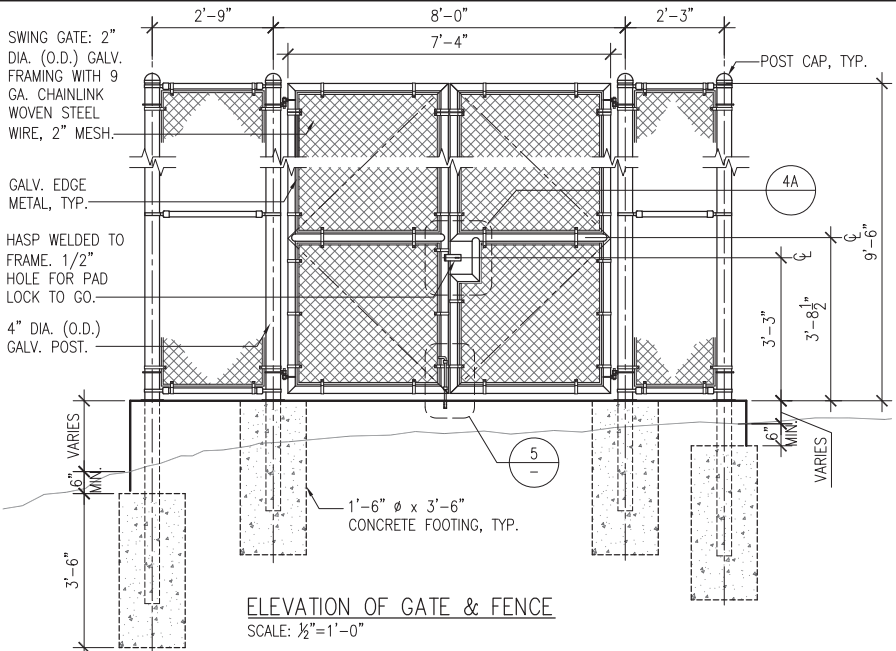
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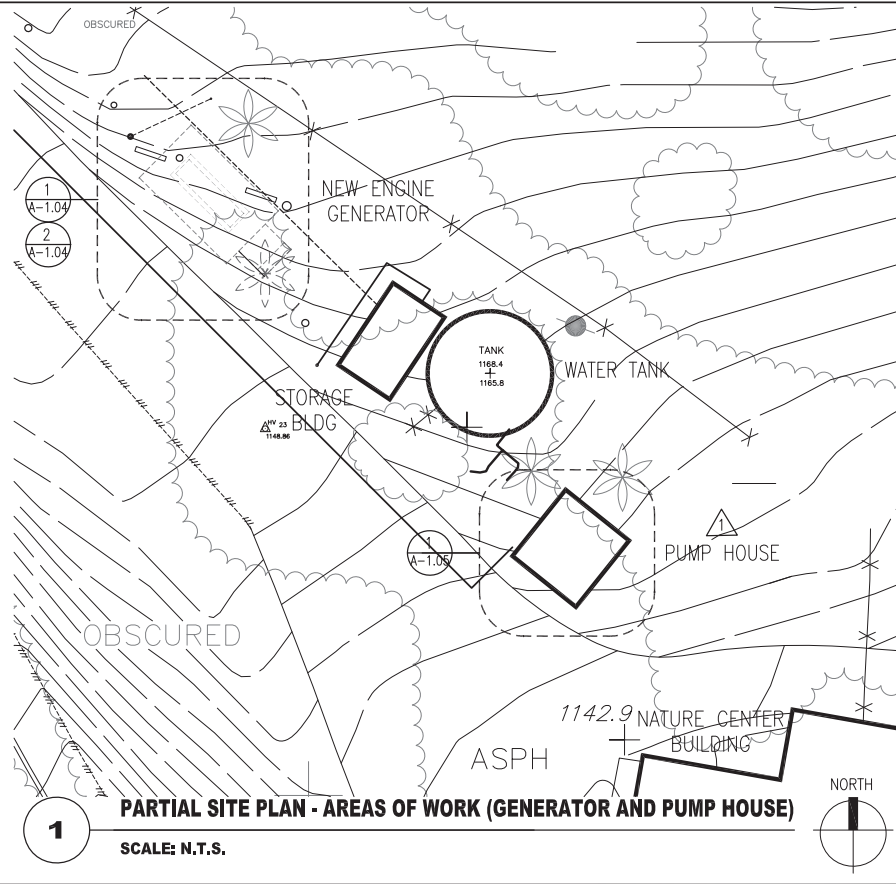
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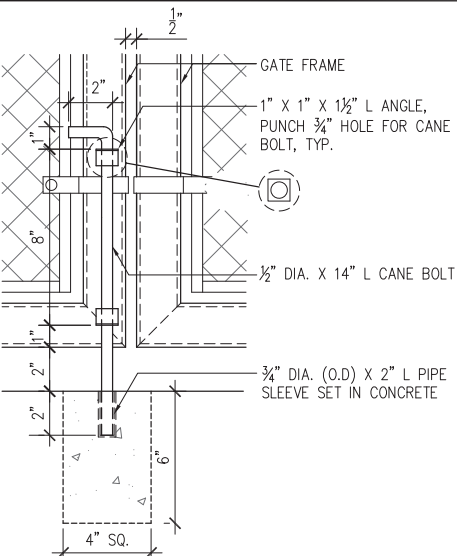
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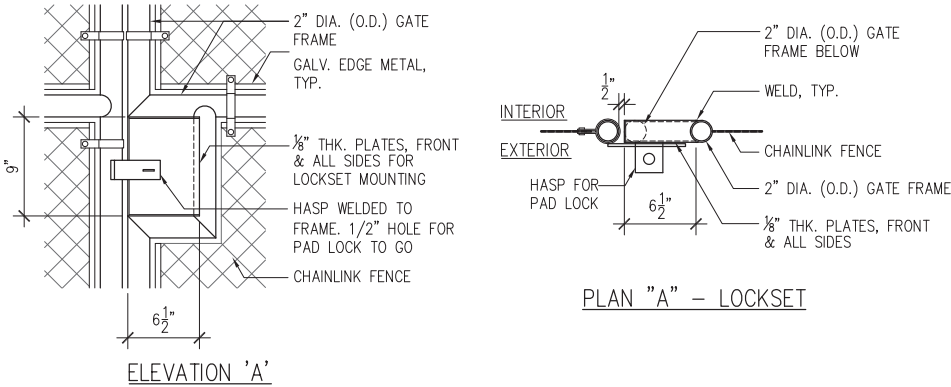
3 CHAIN LINK FENCING
SCALE: AS SHOWN



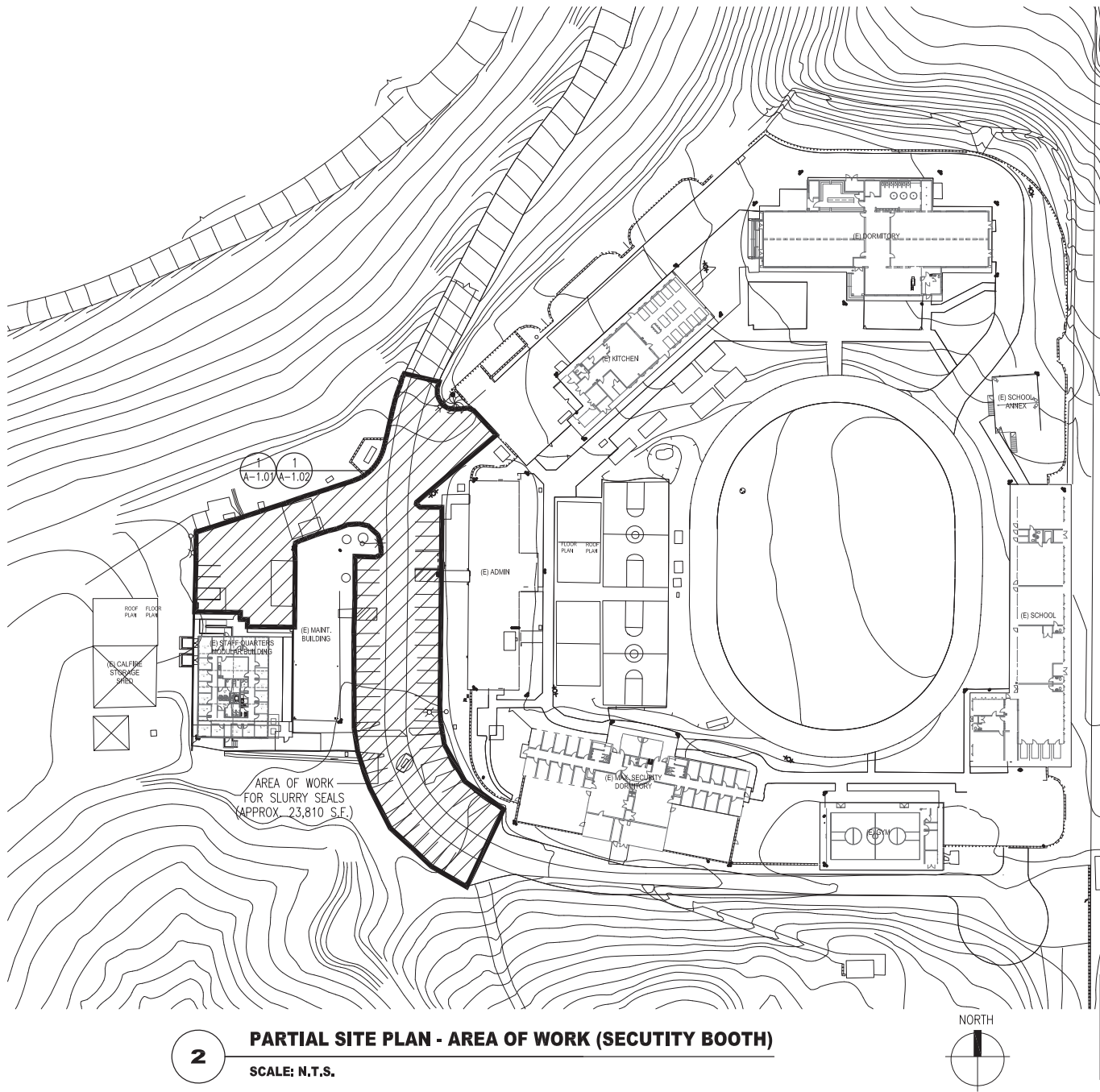
1 PARTIAL SITE PLAN - AREAS OF WORK (GENERATOR AND PUMP HOUSE)
SCALE: N.T.S.



5 CANE BOLT DETAIL
SCALE: 3"=1'-0"



4 FENCE LOCKSET DETAILS
SCALE: 1-1/2"=1'-0"

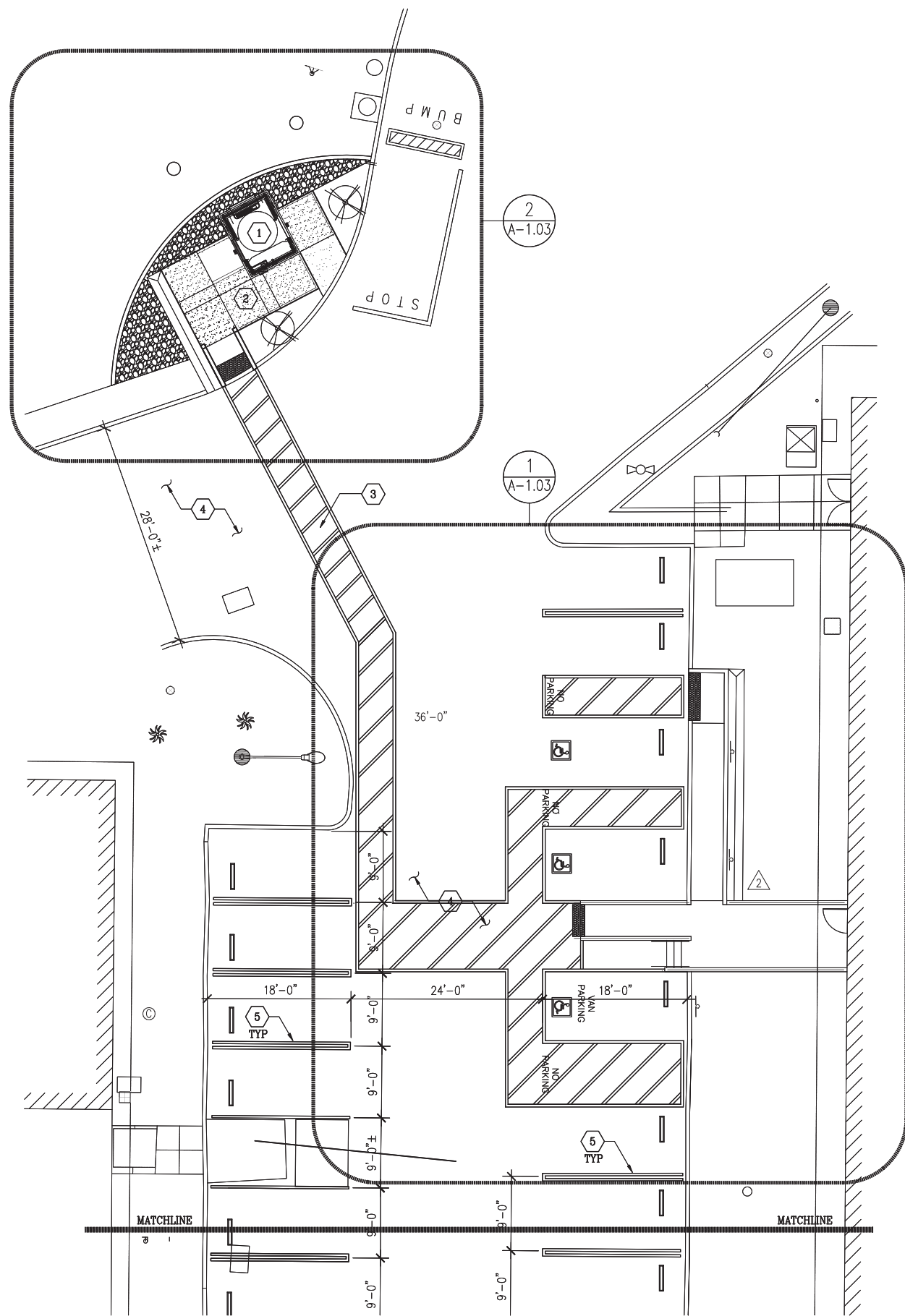


2 PARTIAL SITE PLAN - AREA OF WORK (SECURITY BOOTH)
SCALE: N.T.S.

SPEC 7879

BUILDING PLAN CHECK
APPLICATION NUMBER:

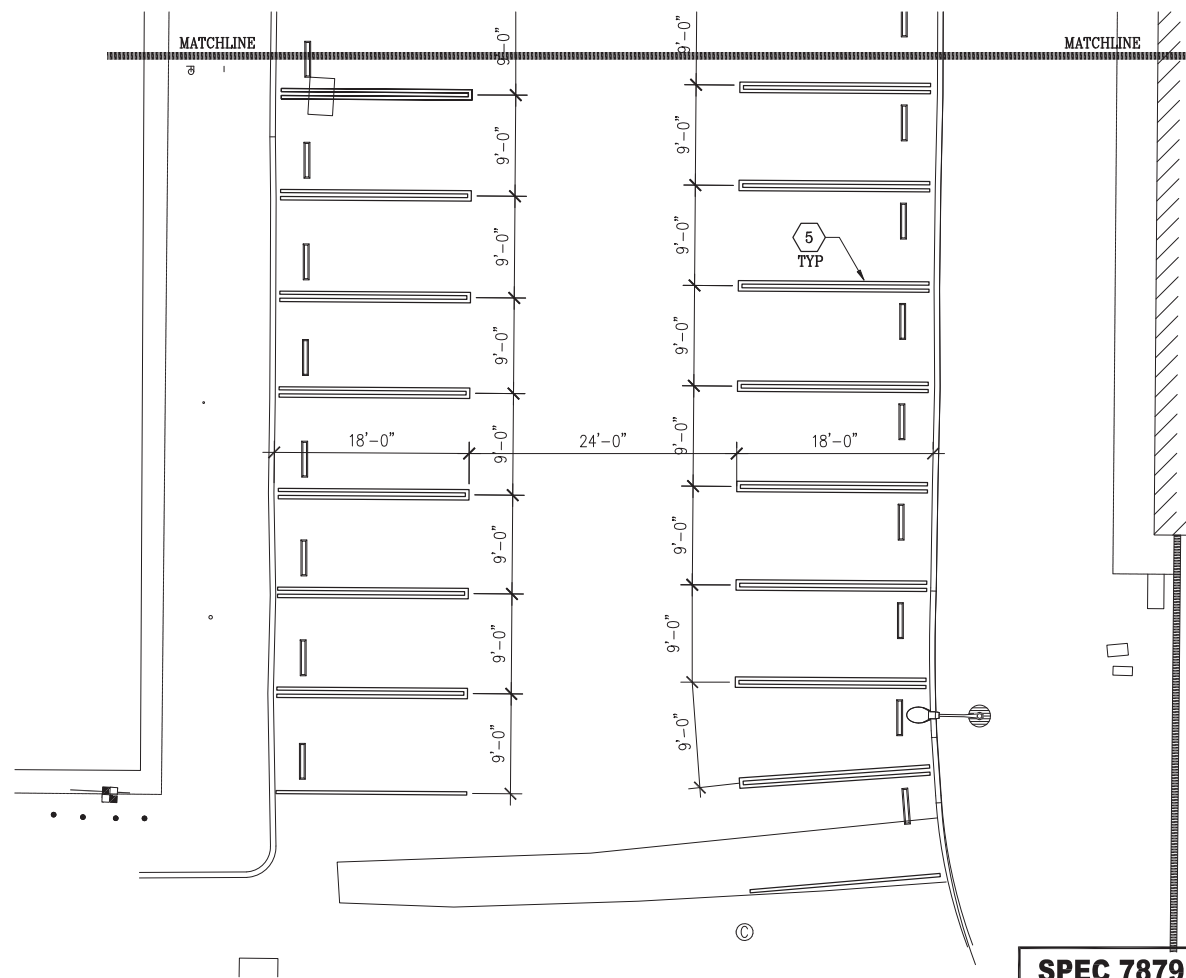
BLDC240417000421



REFERENCE NOTES:

GENERAL NOTES:

ACCESSIBLE PARKING SPACES



SPEC 7879

PARTIAL SITE PLAN - NEW WORK (SECURITY BOOTH)



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1	(N) CONCRETE CURBS ALONG HC RAMP	8	(N) 4" WIDE DIAGONAL STRIPING (45 DEGREES) SPACED AT 36" O.C. MAX (WHITE COLOR)	11	(N) TRUNCATED DOMES 3'-0" MIN WIDTH. SEE  
2	(N) 4" WIDE PARKING STALL PAINT STRIP – DOUBLE LINES (WHITE AND BLUE COLORS)	9	(N) RECYCLED PLASTIC WHEEL STOP IN ADA PARKING STALLS AND AFFECTED NON-ADA PARKING STALLS. ACCESS LINK BELOW: (HTTPS://WWW.SPEEDBUMPSANDHUMPS.COM) <ul style="list-style-type: none"> • LAG BOLT FASTENING METHOD ON CONCRETE • 4' SHORTSTOP • BLUE IN COLOR FOR ADA PARKING STALLS • YELLOW IN COLOR FOR NON-ADA PARKING STALLS <p>REMOVE ALL OIL, GREASE, FREE OF DEBRIS. INSTALL PER MANUFACTURER'S STANDARDS.</p>	12	(N) CONCRETE WALL/CURB 
3	(N) 4" WIDE DIAGONAL STRIPING (45 DEGREES) SPACED AT 36" O.C. MAX (BLUE COLOR)	4	(N) HC SYMBOL STENCIL, SEE 	13	(N) UNAUTHORIZED PARKING SIGN MOUNTED ON BUILDING EXTERIOR WALL. SEE 
4	(N) HC SYMBOL STENCIL, SEE 	5	(N) PAINTED BORDERLINE AROUND PERIMETER OF ACCESS WALKWAYS (BLUE COLOR)	14	(N) 4" WIDE PARKING STALL PAINT STRIP – DOUBLE LINES (WHITE COLOR)
5	(N) PAINTED BORDERLINE AROUND PERIMETER OF ACCESS WALKWAYS (BLUE COLOR)	6	HC SIGN ON STEEL POST (TYP OF 4), SEE 	15	(N) 5" CONCRETE SLAB ON GRADE
6	HC SIGN ON STEEL POST (TYP OF 4), SEE 	7	12" IN HEIGHT MARKINGS (WHITE LETTERS)	10	(N) HC PATH OF TRAVEL WITH MAXIMUM SLOPE OF 5% AND CROSS SLOPE OF 2%. TYPICAL THROUGHOUT.

1 (N) PREFABRICATED SECURITY BOOTH ON (N) CONCRETE FOUNDATION SUPPORT

2 (N) CONCRETE PAVEMENT. SEE **2**
A-105

3 (N) HC CONCRETE CURB CUT OUT

4 (N) PAINTED BORDERLINE AROUND PERIMETER OF ACCESS WALKWAYS (BLUE COLOR)

5 (N) CONCRETE CURBS ALONG HC RAMP ON BOTH SIDES

6 (N) TRUNCATED DOMES. SEE **7**
A-105

7 (N) GALVANIZED 36" H METAL HANDRAIL. SEE **1**
A-105

8 (E) CONCRETE CURB

9 (N) BLACK MULCH WITH UNDERNEATH GEOTEXTILE FABRIC FOR WEED CONTROL. PROVIDE LANDSCAPED AREAS WITH IRRIGATION SYSTEM AND WHITE AND PINK CRAPE MYRTLE SEMI-DWARF TREES AS DESIGN BUILD BASED ON PLANS

11 (N) CONCRETE MOW STRIP WITH 4" THICK CRUSHED ROCK GRAVEL THROUGHOUT. PROVIDE GEOTEXTILE FABRIC UNDERNEATH FOR WEED CONTROL. SEE **10**
A-105

12 (N) GALVANIZED METAL POST ON CONCRETE BASE FOR CCTV CAMERA (TOTAL HEIGHT OF 20'-0" ABOVE GRADE). SEE **13**
A-105

13 (N) CONCRETE SWALE SLOPED TOWARDS CONC CURB. SEE **12**
A-105

14 (N) 3" PVC STANDARD DRAIN DAYLIGHT PIPES WITH SCREEN ON BOTH ENDS TO PREVENT DEBRIS. (TOTAL OF TWO PIPES)

15 SPEED BUMP: RUBBER, BLACK/YELLOW, 9 FT LG, 24 IN WD, 1 1/8 IN HT

16 (E) SIGN ON POST TO BE MAINTAINED

17 4" HIGH CONCRETE CURB AND SLOPED CONCRETE SLAB ON GRADE (NO HANDRAIL REQUIRED DUE TO LESS THAN 6" HEIGHT DIFFERENCE BETWEEN LOW POINT OF SLAB AND BOOTH FINISHED FLOOR ELEVATION)

18 1/2" THICK GALV FIN STEEL PLATE WITH STIFFENER METAL ANGLES

19 LOCATE 30'-0" FROM (E) SWINGING GATE

NOTE: CCTV CAMERA IS OWNER FURNISHED, CONTRACTOR INSTALLED. CAMERA WILL BE CONFIGURED BY THE COUNTY FOR ITS OPERATION

1457.21FS

(N) 24" HIGH MARKING



1. CONTRACTOR TO MATCH EXISTING PAVEMENT LINE & GRADE AT ALL NEW PAVEMENT LOCATIONS WHILE MAINTAINING (E) SITE DRAINAGE PATTERN. THE PROPOSED PAVING/SLURRY THAT MAINTAINS ORIGINAL GRADE & ALIGNMENT IS CONSIDERED A ROUTINE MAINTENANCE ACTIVITY.

DRAINAGE NOTES:

1. PROVISIONS SHALL BE MADE FOR CONTRIBUTORY DRAINAGE AT ALL TIMES.
2. OWNER WILL MAINTAIN DRAINAGE DEVICES AND KEEP FREE OF DEBRIS.
3. A PROPERTY LINE SURVEY, PREPARED BY A CA LICENSED LAND SURVEYOR OR A CIVIL ENGINEER WITH A LICENSE NUMBER BELOW C33966, MAY BE REQUIRED BY THE BUILDING OFFICIAL BASED UPON SITE CONDITIONS IN ACCORDANCE WITH LACBC SECTION 108.1.
4. AN EXCAVATION/ENCROACHMENT PERMIT IS REQUIRED FOR CONSTRUCTION AND/OR DISCHARGE OF DRAINAGE WITHIN PUBLIC ROAD R/W.
5. NO WORK IS ALLOWED WITHIN THE PROTECTED ZONE OF OAK TREE W/O AN OAK TREE REPORT & PERMIT.
6. FINISHED FLOOR SHALL BE 8 INCHES MINIMUM ABOVE FINISHED GRADE.
7. TOTAL PROPOSED IRRIGATED LANDSCAPE AREA:
78 SQUARE FEET



BUILDING PLAN CHECK
APPLICATION NUMBER:

BLDC240417000421

DATE	NO.	REMARKS	RFI	DATE	NO.	REMARKS	RFI	DATE	NO.	REMARKS	RFI	DATE	NO.	REMARKS	RFI
6-10-24	△	PLAN CHECK RESUBMITTAL	JTC	9-13-24	△	PLAN CHECK - DRAINAGE PLANS	JTC		△				△		
9-04-24	△	PLAN CHECK RESUBMITTAL	JTC		△				△				△		



LOS ANGELES COUNTY
PUBLIC WORKS
900 SOUTH FREMONT AVE.
ALHAMBRA, CA 91803

PROJECT :

CAMP GLENN ROCKEY SECURITY UPGRADES

LOCATION :

**1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773**

ARCHITECT :

JTC
architects, inc.
65 N. 1ST AVENUE, SUITE 201
ARCADIA, CA 91008
T: 828-254-6884
E: info@jtcarch.com

JTC PROJECT NO: 37606.0D

SEAL :



CONSULTANT :

TITLE:

**PARTIAL ENLARGED SITE PLAN -
SECURITY BOOTH
AND ADA PARKING STALLS**

SCALE: AS NOTED

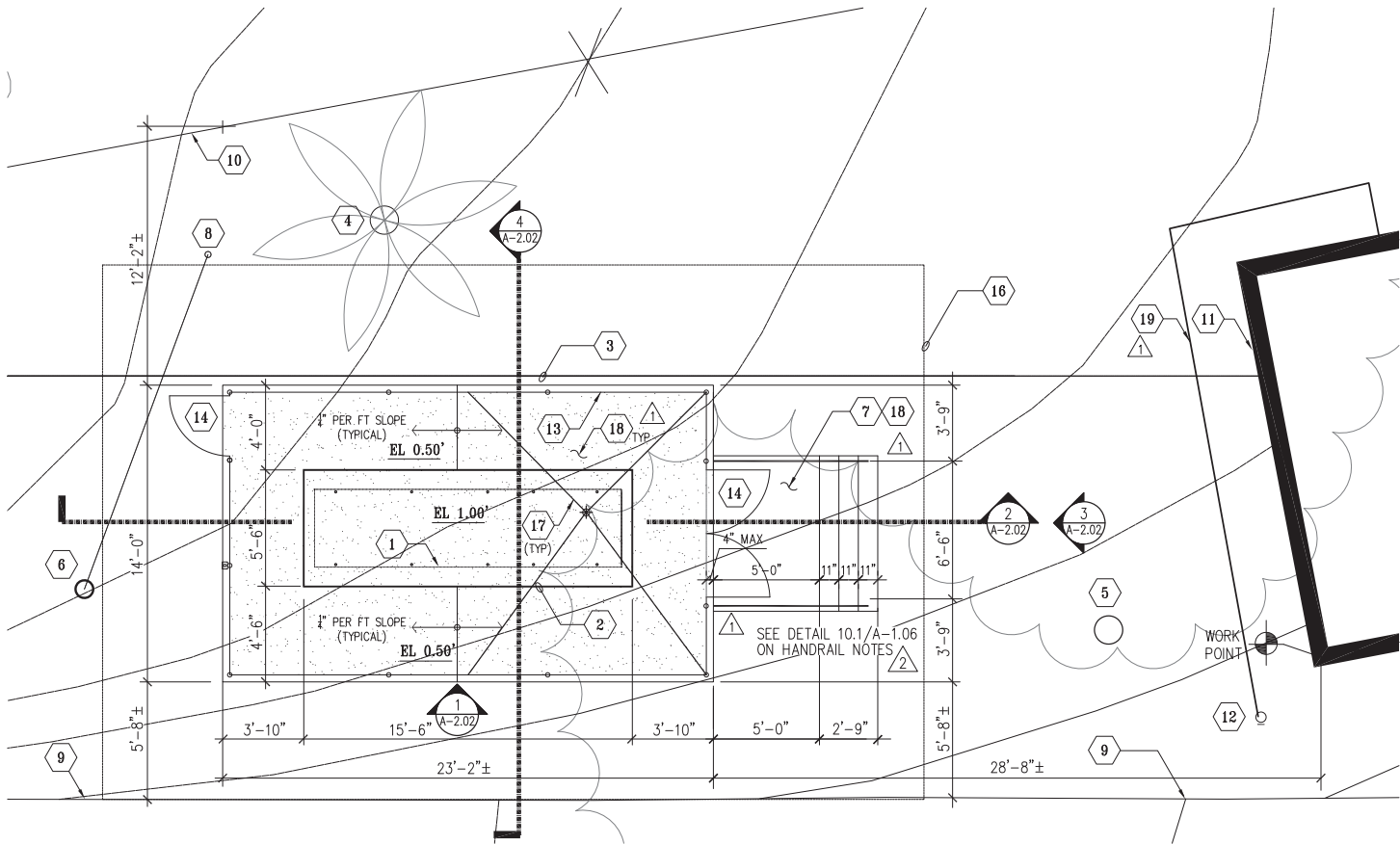
DATE: 6-10-24

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SHEET NUMBER:

A-1.03



2 PARTIAL SITE PLAN - NEW WORK (GENERATOR)
SCALE: 1/4"=1'-0"



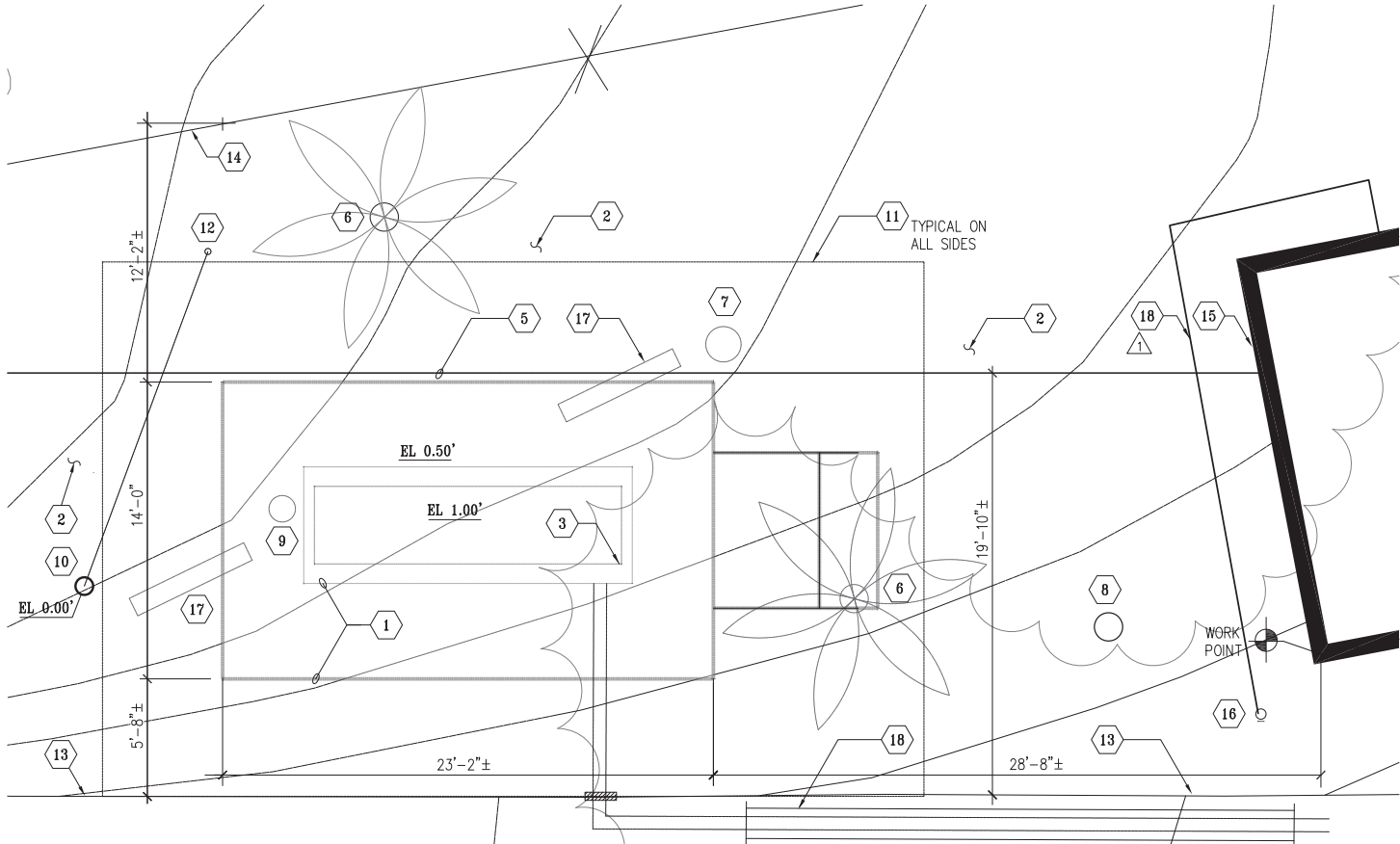
REFERENCE NOTES

- (N) ENGINE GENERATOR SHOWN DASHED. SEE ELEC
- (N) CONCRETE FOUNDATION PAD. SEE STRUCTURAL. COORDINATE ACTUAL FOOTPRINT OF FOUNDATION PAD WITH APPROVED ENGINE GENERATOR SUBMITTAL AND REQUIRED CLEARANCES. SEE STRUCTURAL
- (E) 2" D.I. WATERLINE BELOW GRADE. SEE 3/A2.02 FOR ADDITIONAL NOTES
- (E) 16"Ø PALM TREE
- (E) 16"Ø PINE TREE
- (E) 10"Ø POWER POLE. PROTECT-IN-PLACE DURING CONSTRUCTION
- (N) CONCRETE STEPS AND LANDING W/ GALVANIZED RAILINGS
- (E) GUY WIRE SUPPORT. PROTECT-IN-PLACE DURING CONSTRUCTION. COORDINATE WITH UTILITY COMPANY IF RELOCATION OF GUY WIRE SUPPORT IS NECESSARY
- (E) ASPHALT CURB
- (E) CHANLIK FENCE. PROTECT-IN-PLACE DURING CONSTRUCTION
- (E) METAL STRUCTURE. DO NOT BLOCK ENTRANCE INTO STRUCTURE
- (E) FIRE HYDRANT
- (N) 9'-6" HIGH GALVANIZED CHAINLINK FENCE AND POSTS
- (N) GALVANIZED CHAINLINK FENCE ACCESS GATE PANELS (3'-0" W AND PAIR OF 3'-0" W)
- TYPICAL 4'-0" CLEARANCE AROUND (N) ENGINE GENERATOR. PROVIDE 4'-6" CLEARANCE ON SOUTH SIDE
- REGRADE (E) AFFECTED AREAS TO THEIR ORIGINAL FINISHED ELEVATION. SLOPE TOWARDS NATURAL FLOW FOR AREA DRAINAGE.
- (N) STEEL GUIDE WIRES FOR BRACING VENT PIPE PER ENGINE MANUFACTURER.
- PROVIDE #4 REBARS AT 18" O.C. EACH WAY IN CONCRETE SLAB ON GRADE
- (E) WATERLINE BELOW GRADE FROM FIRE HYDRANT TO BLDG STRUCTURE

GENERAL NOTES:

- CONTRACTOR SHALL PERFORM GROUND PENETRATING RADAR TEST BEFORE COMMENCING WORK. DOCUMENT ALL UTILITY LINES THROUGH AS-BUILT PROCESS. INFORM THE ARCHITECT OF FINDINGS.
- PROTECT AT ALL COST EXISTING STRUCTURES, SURFACES, ON-SITE EQUIPMENTS, ETC DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED DUE TO NEGLIGENCE AND OR AS RESULT OF NOT FURTHER INVESTIGATING OR FAMILIARIZING HIMSELF WITH ALL AREAS INVOLVED (NOT ONLY LIMITED TO WORK AREAS)
- DO NOT BLOCK ANY INGRESS OR EGRESS PATHWAY OF STRUCTURE. PROVIDE A CLEAR AND UNOBSTRUCTED PATH OF TRAVEL DEEMED SAFE AS AN ALTERNATIVE WAY TO AND FROM BUILDING ENTRANCES, IF NECESSARY
- SUBMIT CONSTRUCTION SAFETY PLAN TO OWNER FOR REVIEW AND APPROVAL
- VERIFY LOCATION FOR APPROVAL WITH OWNER FOR STAGING AREA AS REQUIRED FOR TEMPORARY STORAGE OF DEBRIS REMOVED AND STORAGE FOR SUPPLY OF MATERIALS. CONTRACTOR TO PATCH & REPAIR ANY DAMAGED PORTION OF AFFECTED AREA AS A RESULT OF TEMPORARY STAGING AREA
- NOTE OF IMPORTANCE:
CONSTRUCTION SCHEDULE SHALL TAKE INTO ACCOUNT SEQUENCING OF ACTIVITIES OUTSIDE OF RED-TAILED HAWK NESTING PERIOD FROM JAN. 15 THRU SEPT 15. CONSTRUCTION NOISE SHALL ALSO NE REQUIRED TO BE LIMITED IN CERTAIN TIMES. A PRECONSTRUCTION STUDY AND A BIOLOGIST MONITORING SERVICES SHALL BE ADDED DURING CONSTRUCTION
- CONTRACTOR PARKING IS NOT AVAILABLE FOR THE INSTALLATION OF THE ENGINE GENERATOR NEAR THE NATURE CENTER BUILDING

TRIMMING OF TREES:
PROVIDE AN ALLOWANCE TO TRIM
(E) TREES DIRECTLY OVERHEAD WITHIN 10 FT
OF (N) CHAINLINK FENCE ENCLOSURE



1 PARTIAL SITE PLAN - DEMO WORK (GENERATOR)
SCALE: 1/4"=1'-0"



REFERENCE NOTES

- EXCAVATE, REMOVE AND RECOMPACT PORTION OF (E) LANDSCAPED AREAS FOR (N) CONCRETE SLAB ON GRADE AND FOUNDATION SUPPORTS
- CLEAR GENERAL AREAS FREE OF DEBRIS
- (N) ENGINE GENERATOR SHOWN DASHED FOR REFERENCE
- NOT USED
- (E) 2" D.I. WATERLINE BELOW GRADE. SEE 3/A2.02 FOR ADDITIONAL NOTES
- REMOVE (E) 16"Ø PALM TREE IN ITS ENTIRETY. UPON REMOVAL OF ROOTS, FILL ROOT HOLE WITH DIRT THEN 95% RECOMPACT AND ALL AFFECTED SURROUNDINGS (TYPICAL)
- (E) 20"Ø PINE TREE (REMOVE)
- (E) 16"Ø PINE TREE
- (E) 15"Ø PINE TREE (REMOVE)
- (E) 10"Ø POWER POLE. PROTECT-IN-PLACE DURING CONST.
- TEMPORARY CONSTRUCTION FENCE BARRIER. FOOTPRINT SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL ENSURE SAFETY OF THE PUBLIC AT ALL TIMES DURING AND AFTER CONSTRUCTION HOURS
- (E) GUY WIRE SUPPORT. PROTECT-IN-PLACE DURING CONSTRUCTION
- (E) ASPHALT CURB
- (E) CHAINLINK FENCE. PROTECT-IN-PLACE DURING CONST/
- (E) METAL STRUCTURE. DO NOT BLOCK ENTRANCE INTO STRUCTURE
- (E) FIRE HYDRANT
- REMOVE (E) WOOD BENCHES IN THEIR ENTIRETY. COORDINATE WITH THE OWNER IF THESE WILL BE DISCARDED OR RELOCATED
- (E) WATERLINE BELOW GRADE FROM FIRE HYDRANT TO BLDG STRUCTURE

- SAWCUT AND REMOVE AFFECTED (E) ASPHALT PAVEMENT, CONCRETE CURB AND LANDSCAPES AREAS TO ACCOMMODATE BELOW GROUND (N) CONDUITS FOR SECURITY BOOTH POWER AND LOW VOLTAGE. ROUTINGS SHOWN ARE FOR REFERENCE ONLY. SEE ELEC AND LOW VOLTAGE DRAWINGS FOR GENERAL ROUTINGS. COORDINATE WITH OWNER FOR EXTENT OF WORK. FOR TRENCH DETAIL, SEE

NOTES ON THE EMERGENCY ENGINE GENERATOR:

- DESIGN DRAWINGS FOR THE SUPPORT OF THE EMERGENCY ENGINE GENERATOR ARE BASED ON 125RE02JG WITH SOUND ENCLOSURE AND 316g SUBBASE STATE TANK AS MANUFACTURED BY KOHLER POWER SYSTEM
- SUBMIT TO YOUR CHOOSING ANOTHER MANUFACTURER BASED ON "OR APPROVED EQUAL"

- CONTRACTOR SHALL PROVIDE STRUCTURAL SUPPORT DESIGN FOR THE SUBSTITUTE
- DESIGN SHALL BE STAMPED BY A CALIFORNIA STATE LICENSED STRUCTURAL ENGINEER HIRED BY THE CONTRACTOR
- SUBMIT TO ARCHITECT OF RECORDS FOR PEER REVIEW
- CONTRACTOR SHALL SUBMIT THE SUBSTITUTED DESIGN PACKAGE WITH STRUCTURAL CALCULATIONS TO LADPW BUILDING DEPT. FOR APPROVAL PRIOR TO COMMENCING WORK
- CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED TRADES ALL DEVIATIONS TO THEIR WORK DUE TO THE SUBSTITUTE
- THERE SHALL BE NO ADDITIONAL COST INCURRED TO THE OWNER DUE TO YOUR CHOOSING
- THERE SHALL BE NO CHANGE TO THE CONSTRUCTION SCHEDULE
- REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES

BUILDING PLAN CHECK
APPLICATION NUMBER:

SPEC 7879

BLDCC240417000421

BY:	DATE:	NO.	REMARKS:	BY:	DATE:	NO.	REMARKS:	BY:	DATE:	NO.	REMARKS:
	6-10-24	△	PLAN CHECK RESUBMITTAL	JTC		△				△	
	9-04-24	△	PLAN CHECK RESUBMITTAL	JTC		△				△	

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PUBLIC WORKS
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PROJECT :

**CAMP GLENN ROCKEY
SECURITY UPGRADES**

LOCATION :

**1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773**

ARCHITECT :

JTC
architects, inc.
68 N. 1ST AVENUE, SUITE 201
ARCADIA, CA 91008
T: 626 254-6864
E: info@jtcarch.com

JTC PROJECT NO: **37606.0D**

SEAL :



CONSULTANT :

TITLE:

**PARTIAL ENLARGED SITE PLANS
ENGINE GENERATOR -
DEMO AND NEW**

SCALE: AS NOTED

DATE: 6-10-24

DRAWN BY: JTC

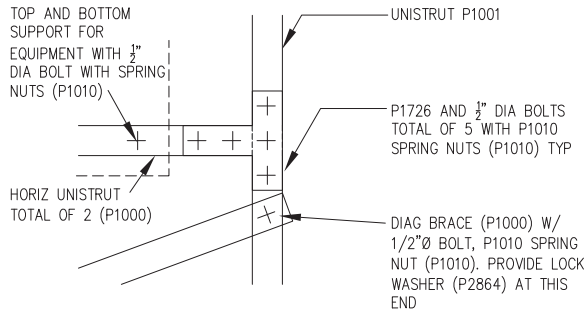
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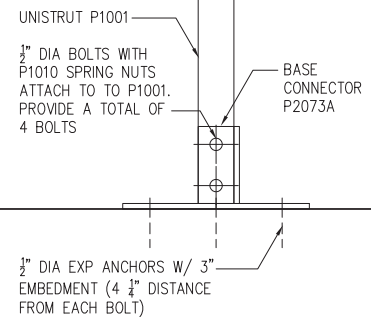
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REFERENCE NOTES

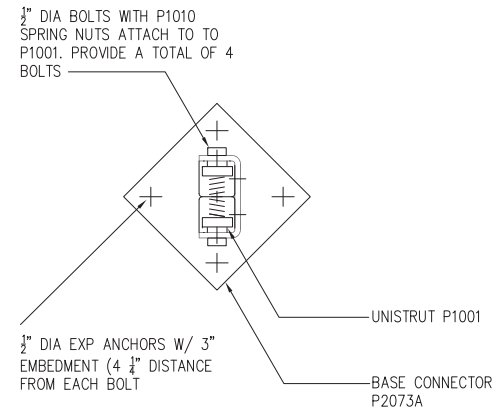
- (E) 3" THICK METAL PANELS (16" WIDE TYPICAL).
PROTECT-IN-PLACE DURING CONSTRUCTION
- (E) 4" HIGH CONCRETE PAD
- (E) CONCRETE SLAB ON GRADE
- (E) HM DOOR AND FRAME
- (E) SHEET METAL BLANKED-OFF WINDOW OPENING
- (E) STEEL POSTS (3" X 4" PROFILE) ON 10" X 15"
STEEL PLATES
- (N) UNISTRUT METAL SUPPORT SYSTEM
- (E) SWITCHBOARD. PROTECT-IN-PLACE DURING
CONSTRUCTION
- (N) ELEC EQUIPMENTS/PANELS. SEE ELEC
- TACK WELD UNISTRUT TO (E) STEEL COLUMN



6 BASE DETAIL - ELEV
SCALE: NO SCALE



4 BASE DETAIL - ELEV
SCALE: NO SCALE



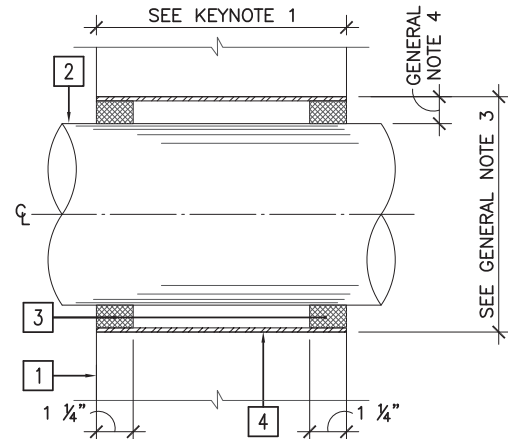
3 BASE DETAIL - PLAN
SCALE: NO SCALE

GENERAL NOTES, THIS DETAIL

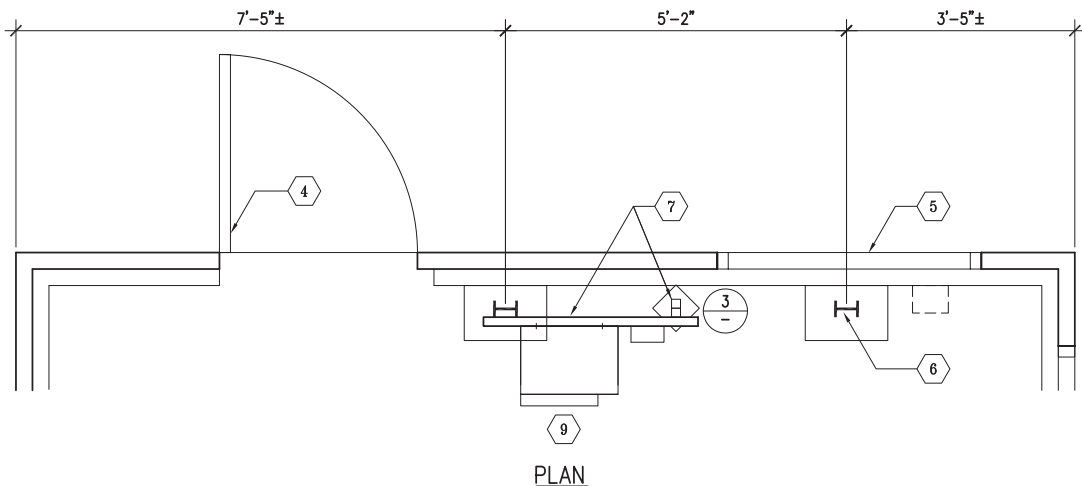
- REFER TO UL THROUGH PENETRATION FIRESTOP DETAIL, REFERENCED BELOW, FOR INFO NOT SHOWN HEREIN
- F RATING = 4 HOUR
T RATING = 0 HOUR
- MAXIMUM DIAMETER (ϕ) OF OPENING = 8"
- ANNULAR MINIMUM OPENING = 1/2"
ANNULAR MAXIMUM OPENING = 1-1/4"
- PIPE, CONDUIT, OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL/PARTITION ASSEMBLY

KEYED REFERENCE NOTES, THIS DETAIL X

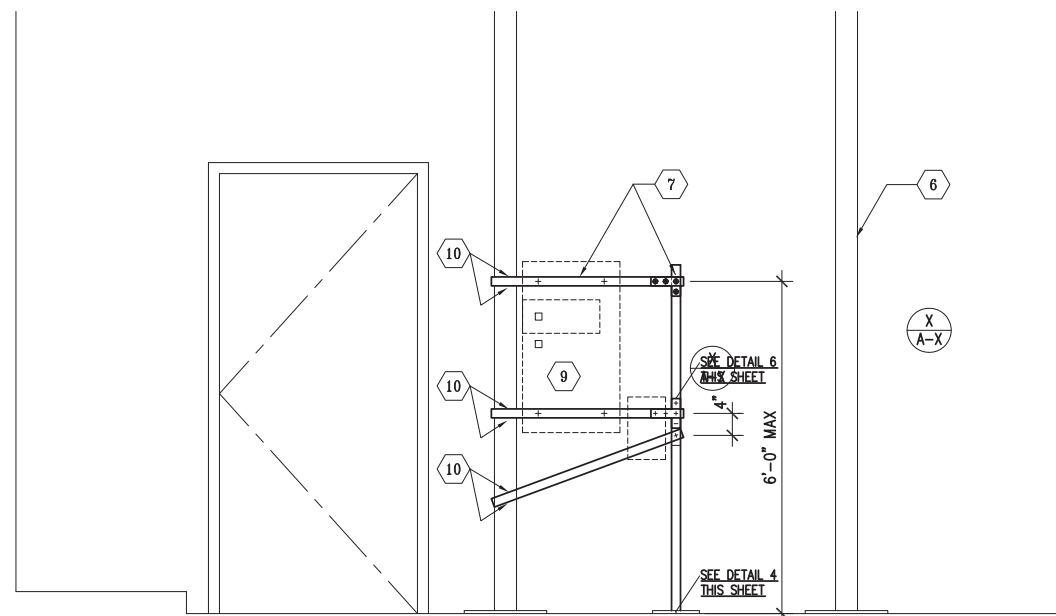
- WALL/PARTITION ASSEMBLY: 1-HOUR RATING DESIGNATION
- SINGLE CONCENTRIC OR ECCENTRIC THROUGH PENETRANT:
A) STEEL PIPE: NOM MAX 6" ϕ (SCHD 10 OR HEAVIER)
B) STEEL CONDUIT: NOM MAX 4" ϕ (STEEL EMT)
C) COPPER TUBING: NOM MAX 6" ϕ (TYPE L OR HEAVIER)
D) COPPER PIPE: NOM MAX 6" ϕ (REGULAR OR HEAVIER)
- FILL MATERIAL (SEALANT): MIN 1-1/2" THICK, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACE OF WALL/PARTITION
- NOM 8" ϕ (OR SMALLER) SCHD 40 (OR HEAVIER) FRICTION FIT; STEEL SLEEVE: SLEEVE LENGTH EQUAL TO PARTITION WIDTH



2 WALL PENETRATION DETAILS
SCALE: NO SCALE

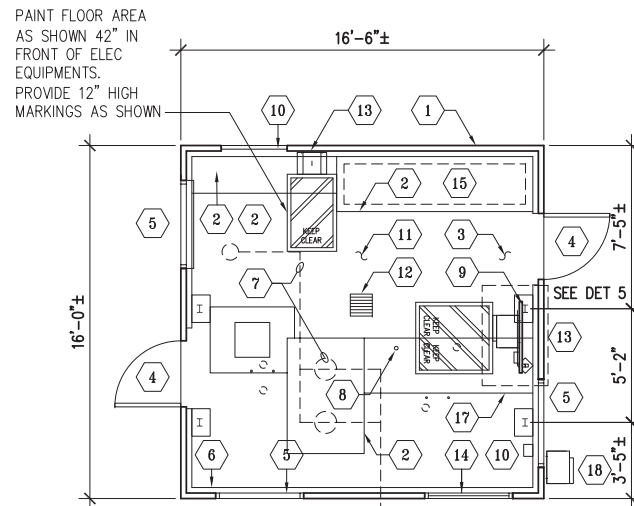


PLAN



ELEVATION

5 STEEL FRAME SUPPORT DETAIL
SCALE: 3/4"=1'-0"



- (E) SWITCHBOARD. PROTECT-IN-PLACE DURING CONSTRUCTION
- (E) SHEET METAL BLANKED-OFF DOOR OPENING
- (E) ISOLATION JOINT IN CONCRETE FLOOR SLAB
- REMOVE (E) OUTDOOR MTS AND ITS SUPPORTS IN THEIR ENTIRETY.

1 ENLARGED PUMP HOUSE FLOOR PLAN - NEW WORK
SCALE: 1/4"=1'-0"

REFERENCE NOTES

- (E) 3" THICK METAL PANELS (16" WIDE TYPICAL).
PROTECT-IN-PLACE DURING CONSTRUCTION
- (E) 4" HIGH CONCRETE PAD
- (E) CONCRETE SLAB ON GRADE
- (E) HM DOOR AND FRAME
- (E) SHEET METAL BLANKED-OFF WINDOW OPENING
- (E) CONCRETE BASE ALL AROUND PERIMETER OF STRUCTURE
- (E) WATER PUMPS WITH ASSOCIATED PIPING AND ACCESSORIES
- (E) CONDUIT STUB OUTS. CUT AND CAP CONDUITS AS CLOSE TO FLOOR
- (E) STEEL POSTS (3" X 4" PROFILE) ON 10" X 15" STEEL PLATES
- (E) EQUIPMENTS/PANELS. SEE ELEC
- CLEAN ENTIRE FLOOR AREA FREE OF DIRT AND DEBRIS
- (E) AREA DRAIN
- (N) ELEC EQUIPMENTS/PANELS. SEE ELEC
- (E) WINDOW GLAZING IN METAL FRAME



BUILDING PLAN CHECK
APPLICATION NUMBER:

BLDC240417000421

SPEC 7879

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LOS ANGELES COUNTY
PUBLIC WORKS
900 SOUTH FREMONT AVE.
ALHAMBRA, CA 91803

PROJECT :

CAMP GLENN ROCKEY
SECURITY UPGRADES

LOCATION :

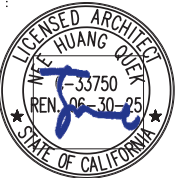
1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773

ARCHITECT :

JTC
architects, inc.
65 N. 1ST AVENUE, SUITE 201
ARCADIA, CA 91008
T: 626 254-8864
E: info@jtcarch.com

JTC PROJECT NO: 37606.0D

SEAL :



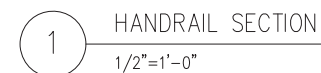
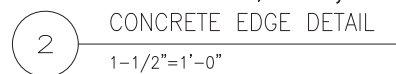
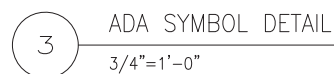
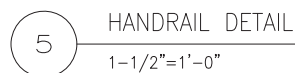
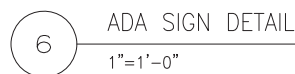
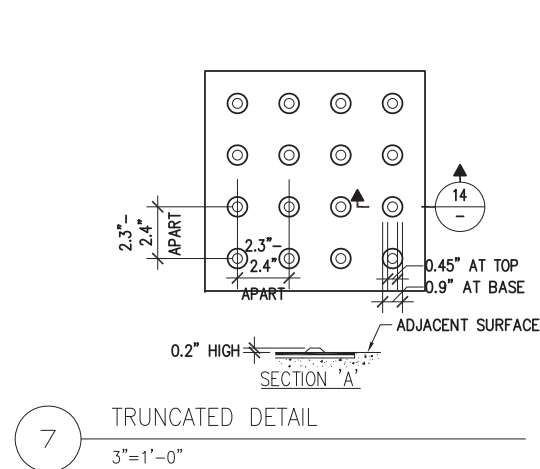
CONSULTANT :

TITLE:

ENLARGED PUMP HOUSE
FLOOR PLAN - NEW WORK

SCALE: AS NOTED
DATE: 6-10-24
DRAWN BY: JTC
CHECKED BY: JTC
SHEET NUMBER:

A-1.05



LOS ANGELES COUNTY
PUBLIC WORKS
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ALHAMBRA, CA 91803

**CAMP GLENN ROCKEY
SECURITY UPGRADES**

**1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773**

ARCHITECT :

JTC
architects, inc.
15 N. 1ST AVENUE, SUITE 200
ARCADIA, CA 91008
828-254-8884
info@jtcarch.com

TC PROJECT NO: **37606.0D**

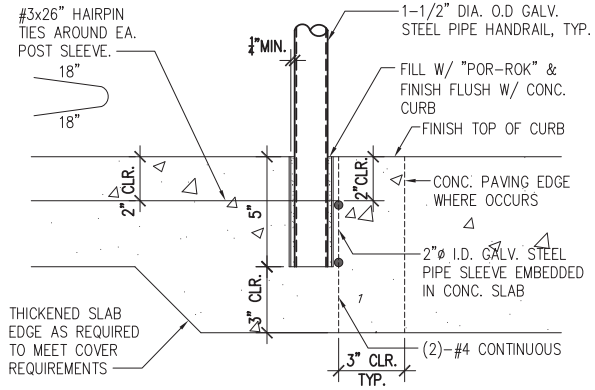
CONSULTANT :

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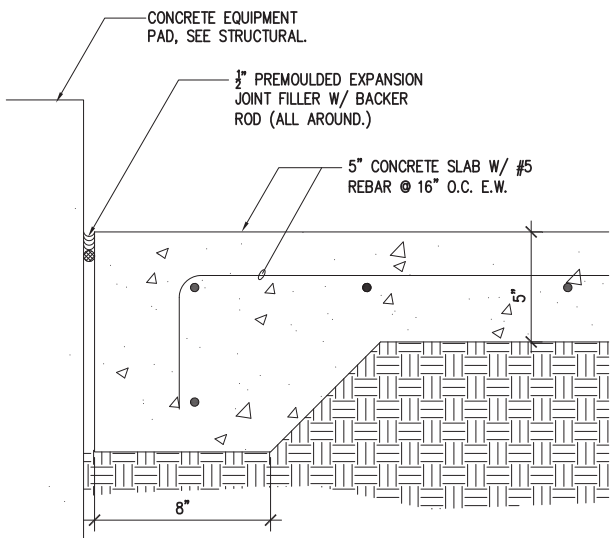
SITE DETAILS

SCALE:	AS NOTED
DATE:	6-10-24
DRAWN BY:	JTC
CHECKED BY:	JTC
SHEET NUMBER:	

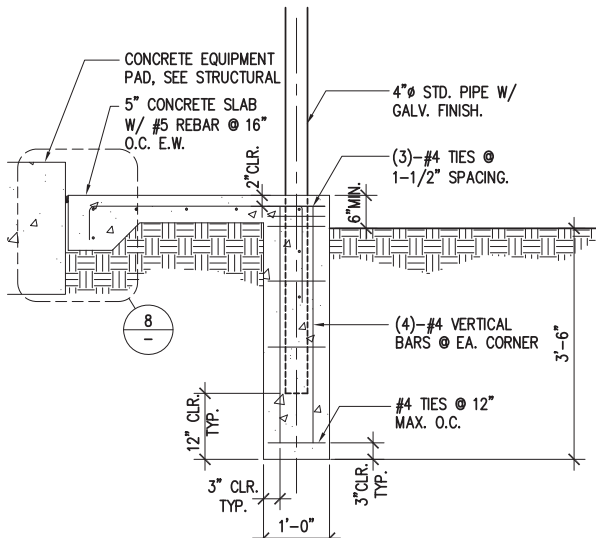
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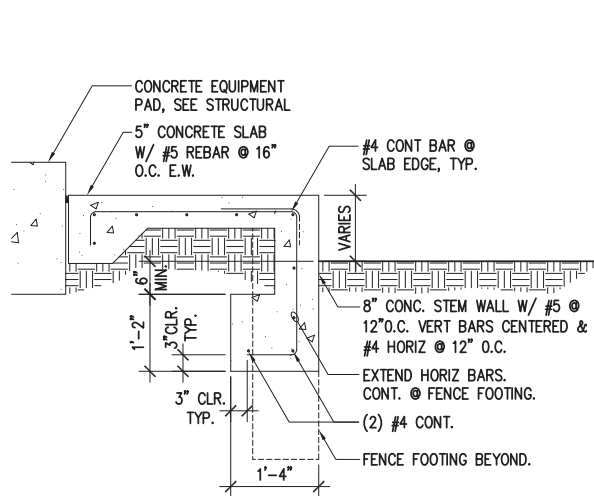
9 PIPE SLEEVE DETAIL
SCALE: 3"=1'-0"



8 DETAIL
SCALE: 3"=1'-0"



5 FOOTING AND SLAB DETAIL
SCALE: 3/4"=1'-0"



2 FOOTING AND SLAB DETAIL
SCALE: 3/4"=1'-0"

ADDITIONAL NOTES ON SECURITY BOOTH

- UNIT WILL BE MANUFACTURED IN FULL COMPLIANCE TO THE STATE OF CALIFORNIA DEPARTMENT OF HOUSING & COMMUNITY DEVELOPMENT (HCD) MODULAR BUILDING CERTIFICATION REQUIREMENT. THE UNIT WILL BE DESIGNED TO MEET STATE MODULAR PROGRAM REQUIREMENTS FOR PRE-FAB MODULAR STRUCTURES. IT WILL MEET ALL STATE LOAD REQUIREMENTS AND ENERGY CODE. THE QUOTED PRICE INCLUDES DETAILED DRAWINGS, STRUCTURAL CALCULATIONS AND ENERGY CALCULATIONS FOR THE STATE APPROVAL PROCESS. THE STATE APPROVED PLAN SET IS THE PLAN SET YOU WILL NEED FOR PERMITTING.
- THE STATE PLAN REVIEW COMPANY WILL REVIEW AND APPROVE THE FINAL PLAN SET AFTER WE OBTAIN SUBMITTAL APPROVAL FROM THE OWNER AND/OR ARCHITECT. ONCE WE COMPLETE FABRICATION OF THE BOOTH IT WILL BE FACTORY INSPECTED BY A CALIFORNIA APPROVED INSPECTOR WHO WILL APPLY THE STATE APPROVAL INSIGNIA TO THE WALL. THIS APPROVAL IS REQUIRED FOR PREFAB MODULAR BUILDINGS INSTALLED IN CALIFORNIA AND THE STATE APPROVED PLAN SET IS WHAT YOU WILL NEED TO OBTAIN A PERMIT FOR THE BOOTH.

STRUCTURAL:

- FRAME: TO BE MINIMUM 2" X 2" X .083" STRUCTURAL MECHANICAL STEEL TUBING, FORMED FOR ACCURACY.
- WALL SYSTEM: THE UNIT WILL INCLUDE A CONTINUOUSLY INSULATED WALL SYSTEM THAT MAINTAINS INSULATION FROM THE FLOOR TO THE SOFFIT. THIS SYSTEM CONSISTS OF 16-GAUGE COLD ROLLED GALVANIZED STEEL PANELS ON BOTH THE INTERIOR AND EXTERIOR OF THE UNIT. THE INTERIOR WALLS WILL HAVE INSULATION UP TO R-13, ALONG WITH AN EXTRA LAYER OF R-9.6 EXTERIOR CONTINUOUS INSULATION ENCLOSED WITHIN THE FINAL EXTERIOR LAYER OF 16-GAUGE GALVANIZED STEEL WALLS..
- FLOOR: FLOOR TO BE A 12GA. GALVANIZED STEEL PLATE FLOOR COVERED WITH BLACK POLYVINYL CHLORIDE COMMERCIAL BLACK RESILIENT TEXTURED 20" X 20" INTER LOCKING TILES AND 4" HIGH BLACK BASE COVE. FLOOR SYSTEM IS WELDED TO A 2" GALVANIZED STEEL TUBE FRAME AND JOISTS.

ROOF:

- ROOF: TO BE ALL STEEL CONSTRUCTION DESIGNED FOR EXTERIOR USE. ROOF TO BE INSULATED TO R-19. ROOF TO BE CONSTRUCTED OF INTERNAL STEEL FRAMING WITH 16GA. GALVANIZED STEEL ROOF DECK WELDED TO THE FRAMING AND COVERED WITH A THREE PART MEMBRANE PROVIDING A SRI INDEX OF 95 OR GREATER. ROOF SHALL HAVE A 10" FASCIA WITH 4" OVERHANG ON ALL SIDES. UNIT SHALL HAVE ROOF MOUNTED LIFTING EYES FOR HOISTING BY CRANE AND DOWNSPOUTS AT THE REAR FOR DRAINAGE. .

DOORS & WINDOWS:

- DOORS: Unit to have two commercial grade steel framed slide doors constructed of 16ga. steel panels with steel tube frames. Door to be top hung on a minimum of eight 2 1/4" steel ball bearing rollers with stainless steel lower guide, mortise hook type lock and complete weather stripping.
- WINDOWS: Unit to have steel window frame system with flush mounted welded corners. Unit shall have fixed windows glazed with 3/4" tinted tempered dual pane insulating glass with Low-E coating.

REFERENCE NOTES

- (N) PREFABRICATED METAL SECURITY BOOTH. SEE BELOW:
 - DELUXE GUARD BOOTH STYLE MODEL DS680B
 - MANUFACTURER: B.I.G. ENTERPRISES
 - 9702 E. RUSH STREET,
 - SOUTH EL MONTE, CA 91733
 - 6'-0" X 8'-0" X 8'-5" HIGH SINGLE UNIT
 - REFERENCE SHEETS SEC-1 THRU SEC-10 FOR ADDITIONAL INFO

NOTES ON SECURITY BOOTH:

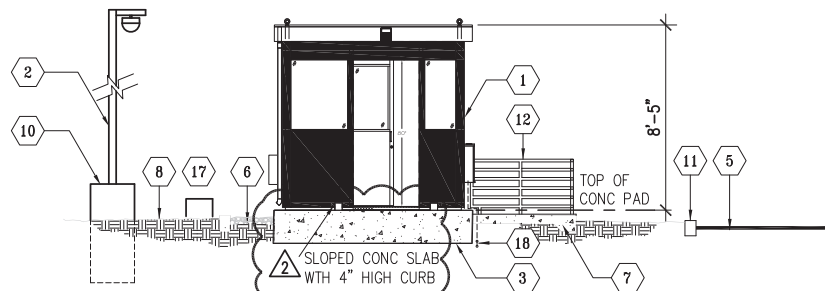
- DESIGN DRAWINGS ARE BASED ON THE PREFABRICATED SECURITY BOOTH AS MANUFACTURED BY B.I.G. ENTERPRISES.
- SUBMIT TO YOUR CHOOSING ANOTHER MANUFACTURER BASED ON "OR APPROVED EQUAL"
 - CONTRACTOR SHALL PROVIDE STRUCTURAL SUPPORT DESIGN FOR THE SUBSTITUTE
 - DESIGN SHALL BE STAMPED BY A CALIFORNIA STATE LICENSED STRUCTURAL ENGINEER HIRED BY THE CONTRACTOR
 - SUBMIT TO ARCHITECT OF RECORDS FOR PEER REVIEW
 - CONTRACTOR SHALL SUBMIT THE SUBSTITUTED DESIGN PACKAGE WITH STRUCTURAL CALCULATIONS TO LADPW BUILDING DEPT. FOR APPROVAL PRIOR TO COMMENCING WORK
 - CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED TRADES
 - ALL DEVIATIONS TO THEIR WORK DUE TO THE SUBSTITUTE
 - THERE SHALL BE NO ADDITIONAL COST INCURRED TO THE OWNER DUE TO YOUR CHOOSING
 - THERE SHALL BE NO CHANGE TO THE CONSTRUCTION SCHEDULE

- (N) CCTV CAMERA GALVANIZED METAL POLE (COLOR BLACK). SEE LOW VOLTAGE DWGS
- (N) CONCRETE FOUNDATION. SEE STRUCTURAL
- (N) CONCRETE CURB FOR ADA RAMP
- (E) ASPHALT PAVING. PATCH AND REPAIR DAMAGED AREA DUE CONST.
- (N) 4" GRAVEL FINISH ON GEOTEXTILE FABRIC OVER COMPACTED SOIL
- (N) 5" CONCRETE PAVEMENT ON COMPACTED SOIL
- (E) FINISHED GRADE. PROVIDE SLOPE TOWARDS (E) FLOW LINE
- (N) CONCRETE ADA RAMP ON COMPACTED SOIL
- (N) CONCRETE BASE. SEE 13 A1.06
- (E) CONCRETE CURB
- 30" HIGH GALVANIZED STANDARD METAL HANDRAIL (PAINTED BLACK), SEE 14 A1.06
- (N) CURB CUTOUT FOR DRAINAGE IN (E) CONCRETE CURB
- (N) CONCRETE MOW STRIP
- (E) GROUND DIRT
- (N) CONCRETE SWALE TOWARDS
- (N) CONCRETE BURN CUTOUT
- (E) METAL VENT RISER. PROTECT-IN-PLACE DURING CONST
- (N) UTILITY STUB OUTS. SEE ELEC AND LOW VOLTAGE DRAWINGS

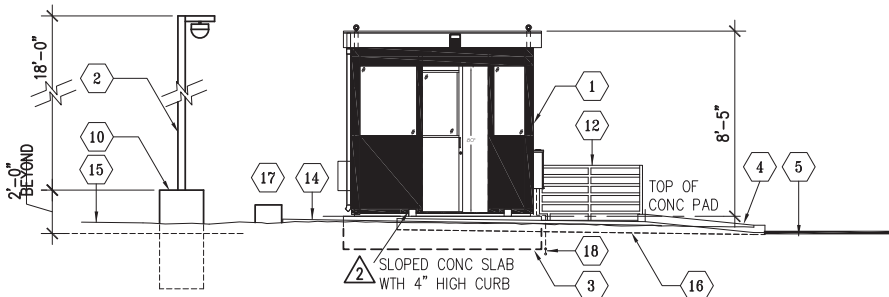
SPEC 7879

BUILDING PLAN CHECK
APPLICATION NUMBER:

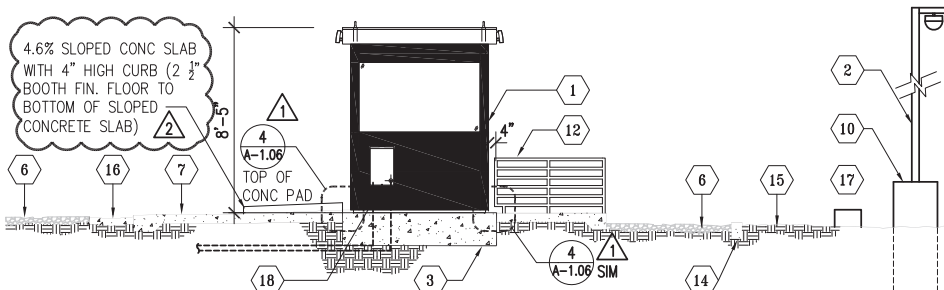
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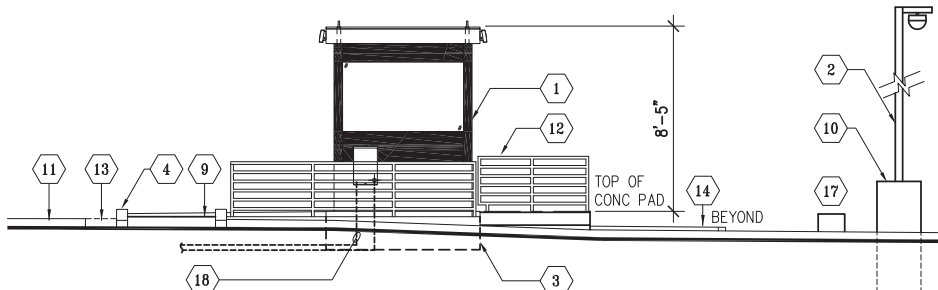
7 SECURITY BOOTH - LONGITUDINAL SECTION
SCALE: 1/4"=1'-0"



4 SECURITY BOOTH - SOUTHWEST ELEVATION
SCALE: 1/4"=1'-0"



6 SECURITY BOOTH - TRANSVERSE SECTION
SCALE: 1/4"=1'-0"



3 SECURITY BOOTH - SOUTHEAST ELEVATION
SCALE: 1/4"=1'-0"

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LOS ANGELES COUNTY
PUBLIC WORKS
900 SOUTH FREMONT AVE.
ALHAMBRA, CA 91803

PROJECT :

**CAMP GLENN ROCKEY
SECURITY UPGRADES**

LOCATION :

**1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773**

ARCHITECT :

JTC
architects, inc.
65 N. 1ST AVENUE, SUITE 201
ARCADIA, CA 91008
T: 626 254-8884
E: info@jtsearch.com

JTC PROJECT NO: **37606.0D**

SEAL :



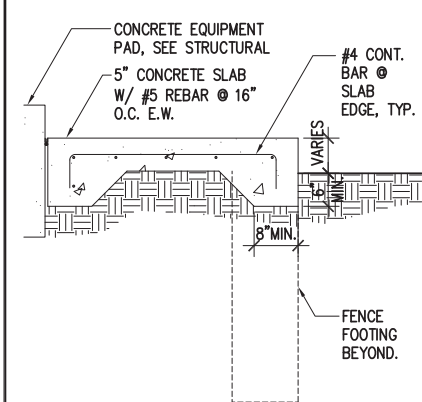
CONSULTANT :

TITLE:

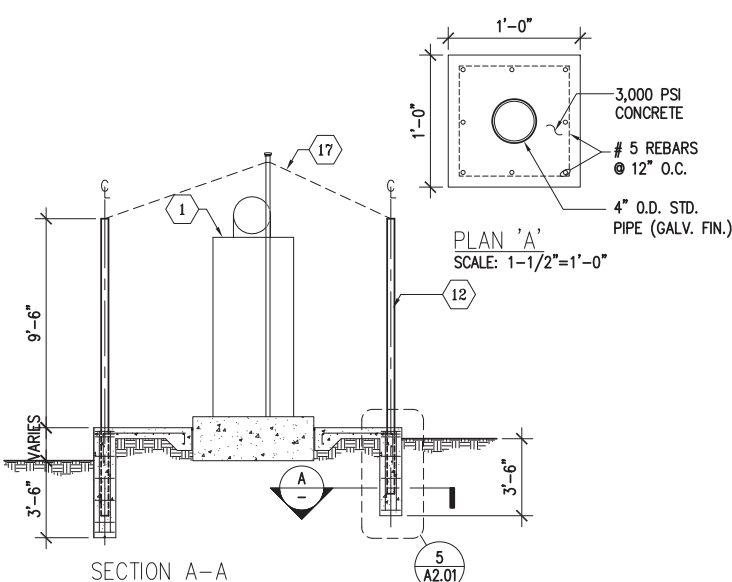
**SECTION AND ELEVATIONS -
SECURITY BOOTH**

SCALE: AS NOTED
DATE: 6-10-24
DRAWN BY: JTC
CHECKED BY: JTC
SHEET NUMBER:

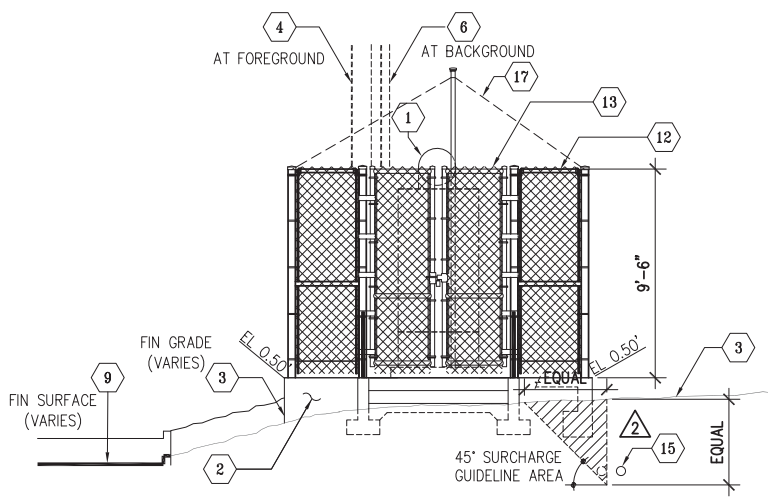
A-2.01



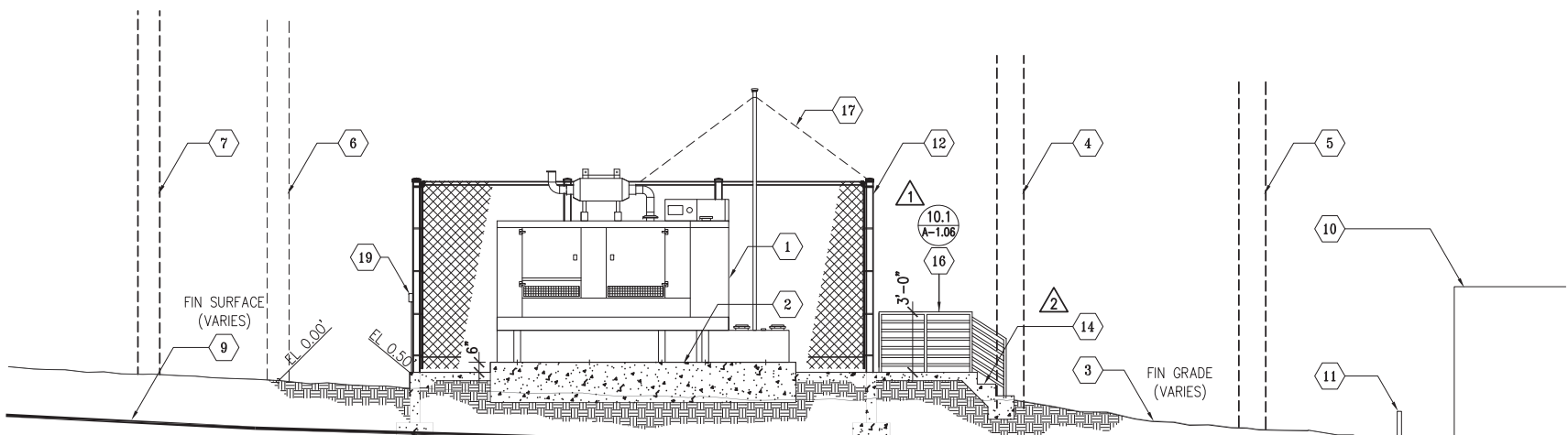
5 **FOOTING AND SLAB DETAIL**
SCALE: 3/4"=1'-0"



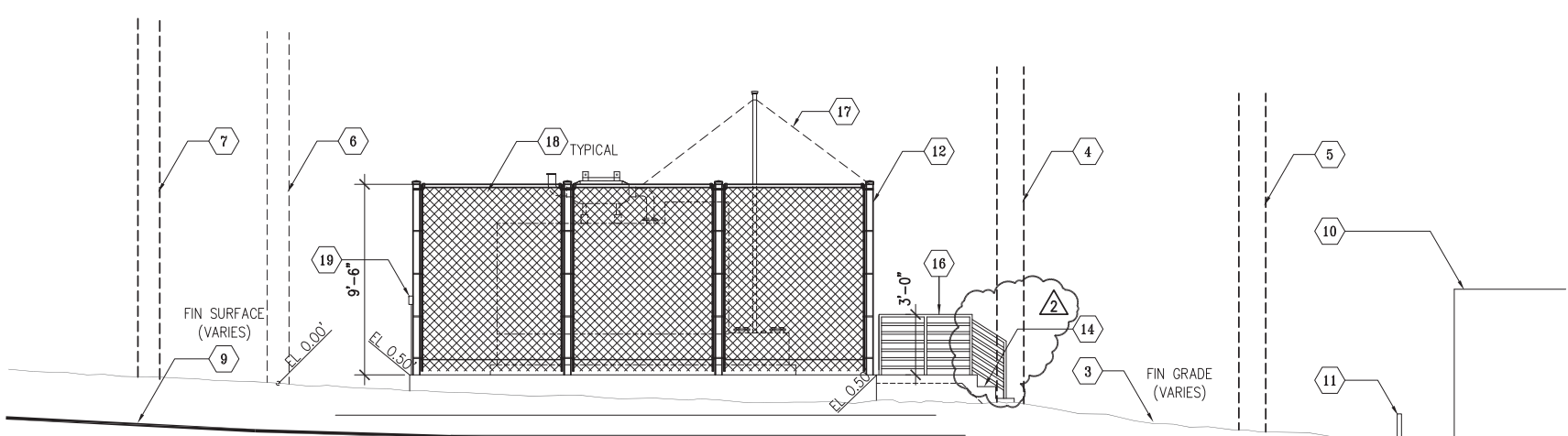
4 **SECTION FOR (ENGINE GENERATOR) PLATFORM**
SCALE: AS SHOWN



3 **FENCE ENCLOSURE (ENGINE GENERATOR) - SOUTHEAST ELEVATION**
SCALE: 1/4"=1'-0"



2 **FENCE ENCLOSURE (ENGINE GENERATOR) - SECTION**
SCALE: 1/4"=1'-0"



1 **FENCE ENCLOSURE (ENGINE GENERATOR) - SOUTHWEST ELEVATION**
SCALE: 1/4"=1'-0"

GENERAL NOTES:

- CONTRACTOR SHALL PERFORM GROUND PENETRATING RADAR TEST BEFORE COMMENCING WORK. DOCUMENT ALL UTILITY LINES THROUGH AS-BUILT PROCESS. INFORM THE ARCHITECT OF FINDINGS.
- PROTECT AT ALL COST EXISTING STRUCTURES, SURFACES, ON-SITE EQUIPMENTS, ETC DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED DUE TO NEGLIGENCE AND OR AS RESULT OF NOT FURTHER INVESTIGATING OR FAMILIARIZING HIMSELF WITH ALL AREAS INVOLVED (NOT ONLY LIMITED TO WORK AREAS)
- DO NOT BLOCK ANY INGRESS OR EGRESS PATHWAY OF STRUCTURE. PROVIDE A CLEAR AND UNOBSTRUCTED PATH OF TRAVEL DEEMED SAFE AS AN ALTERNATIVE WAY TO AND FROM BUILDING ENTRANCES, IF NECESSARY
- SUBMIT CONSTRUCTION SAFETY PLAN TO OWNER FOR REVIEW AND APPROVAL
- VERIFY LOCATION FOR APPROVAL WITH OWNER FOR STAGING AREA AS REQUIRED FOR TEMPORARY STORAGE OF DEBRIS REMOVED AND STORAGE FOR SUPPLY OF MATERIALS. CONTRACTOR TO PATCH & REPAIR ANY DAMAGED PORTION OF AFFECTED AREA AS A RESULT OF TEMPORARY STAGING AREA
- PROVIDE HEAVY DUTY INDUSTRY STANDARD PAD LOCKS FOR CHAINLINK FENCE GATES

TRIMMING OF TREES:
PROVIDE AN ALLOWANCE TO TRIM (E) TREES DIRECTLY OVERHEAD WITHIN 10 FT OF (N) CHAINLINK FENCE ENCLOSURE

REFERENCE NOTES

- (N) ENGINE GENERATOR SHOWN DASHED. SEE ELECTRICAL.
- (N) CONCRETE FOUNDATION PAD WITH RAISED HOUSEKEEPING PAD. SEE STRUCTURAL.
- REGRADE (E) AFFECTED AREAS DUE TO (N) CONC FOUNDATION
- (E) 16"Ø PALM TREE (ADVISE OWNER IF TREE HAS TO BE REMOVED, TO REMAIN OR RECOATED)
- (E) 16"Ø PINE TREE
- (E) 10"Ø POWER POLE. PROTECT-IN-PLACE DURING CONSTRUCTION
- (E) 16"Ø PINE TREE
- NOT USED
- (E) ASPHALT CURB AND DRIVEWAY
- (E) METAL STRUCTURE. DO NOT BLOCK ENTRANCE INTO STRUCTURE.
- (E) FIRE HYDRANT
- (N) 9'-6" HIGH GALVANIZED CHAINLINK FENCE AND POSTS, SEE **3 A0.01**
- (N) GALVANIZED CHAINLINK FENCE ACCESS GATE PANELS (PAIR OF 4'-0" WIDE GATES). SEE **3 A0.01**
- (N) CONCRETE STEPS AND LANDING
- (E) 2" D.I. WATERLINE BELOW GROUND. RELOCATE AS NECESSARY TO ALLOW FOR THE CONSTRUCTION OF THE CONCRETE FOUNDATION PAD (COORDINATE WITH OWNER). IDENTIFY ITS CURRENT LOCATION BELOW GRADE AND APPLY THE 45° SURCHARGE GUIDELINE AREA PER DETAIL.
- (N) GALVANIZED METAL STANDARD PIPE RAILS
- (N) STEEL GUIDE WIRES FOR BRACING VENT PIPE SEE STRUCT
- PROVIDE HDPE TUBULAR SLATS INSERTS FOR CHAINLINK FENCE ON ALL SIDES INCLUDING GATE OPENINGS. PROVIDE SLATS ENTIRE HEIGHT OF FENCING, SEE LINK BELOW: [PRIVACY FENCE SLATS S-25653 - ULINE](#)
- (N) EMERGENCY STOP SWITCH FOR GENERATOR. SECURE TO (N) FENCE POST @ 4'-6" ABOVE GRADE.

SPEC 7879

BUILDING PLAN CHECK
APPLICATION NUMBER:

BLDC240417000421

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ARCHITECT :

JTC
architects, inc.
65 N. 1ST AVENUE, SUITE 201
ARCADIA, CA 91008
T: 626 254-6864
E: info@jtcarch.com

JTC PROJECT NO: **37606.0D**

SEAL :



CONSULTANT :

TITLE:

**SECTION AND ELEVATIONS -
ENGINE GENERATOR**

SCALE: AS NOTED

DATE: 6-10-24

DRAWN BY: JTC

CHECKED BY: JTC

SHEET NUMBER:

A-2.02

H:\2023\20770_Drawings\Drawg-2023-0177-00_S-1.00_STRUCTURAL NOTES AND ABBREVIATIONS.dwg PLOTTED BY: Chemo Stokel On: June 5, 2024 At: 9:24 AM

ABBREVIATIONS:

CODES/INSTITUTIONS/ASSOCIATIONS	
ACI	AMERICAN CONCRETE INSTITUTE
AF&PA	(NDS) AMERICAN FOREST & PAPER ASSOCIATION (NDS)
ASCE	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ASIS	AMERICAN IRON AND STEEL INSTITUTE
APA-EWA	APA-ENGINEERED WOOD ASSOCIATION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
CBC	CALIFORNIA BUILDING CODE
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
DSA	DIVISION OF THE STATE ARCHITECT
HCAI	DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
IBC	INTERNATIONAL BUILDING CODE
NDS	NATIONAL DESIGN SPECIFICATIONS
SDI	STEEL DECK INSTITUTE
SJI	STEEL JOIST INSTITUTE
SSMA	STEEL STUD MANUFACTURERS ASSOCIATION

SYMBOLS	
#	POUND, NUMBER, QUANTITY
@	AT
<	LESS THAN
>	GREATER THAN
±	PLUS OR MINUS
°	DEGREE
Ø	DIAMETER

ABBREVIATIONS	
AB	ANCHOR BOLT
ADDL	ADDITIONAL
ADJ	ADJACENT
ALT	ALTERNATE
APPROX	APPROXIMATE, APPROXIMATELY
ARCH	ARCHITECT, ARCHITECTURAL

BLKG	BLOCKING, BLOCK
BM	BEAM
BOT	BOTTOM
BTWN	BETWEEN

CALCS	CALCULATIONS
CG	CENTER OF GRAVITY
CL	CENTERLINE
CLR	CLEAR, CLEARANCE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT, CONNECTION
CONT	CONTINUOUS

DB	BAR DIAMETER (REBAR)
DBL	DOUBLE
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DWG	DRAWING

(E)	EXISTING
EA	EACH
EF	EACH FACE
ELEC	ELECTRICAL
EMBED	EMBED, EMBEDDED, EMBEDMENT
EOR	ENGINEER OF RECORD
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR

FDN	FOUNDATION
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZE

HEX	HEXAGONAL
HORIZ	HORIZONTAL

ID	INSIDE DIAMETER
INFO	INFORMATION
IOR	INSPECTOR OF RECORD

K	KIPS (1000#)
KB-T22	HILTI KWIK BOLT T22 (ANCHOR)
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH

LBS	POUNDS
LD	DEVELOPMENT LENGTH
LDH	HOOK DEVELOPMENT LENGTH
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOCS	LOCATIONS
LONG	LONGITUDINAL
LS	LAP SPlice LENGTH
LVL	LAMINATED VENEER LUMBER
LWT	LIGHT-WEIGHT
LWT	LIGHT-WEIGHT

GENERAL STRUCTURAL NOTES:

DESIGN CRITERIA:
CODE OF RECORD: 2022 EDITION, CALIFORNIA BUILDING CODE

DESIGN LOADS:	
BASIC WIND SPEED	35 MPH (3-SECOND GUST)
WIND EXPOSURE CATEGORY	C
ANALYSIS PROCEDURE	SEISMIC DESIGN FOR NONSTRUCTURAL COMPONENTS
RISK CATEGORY	(ASCE 7-16, CHAPTER 13)
SEISMIC SITE CLASS	D
SEISMIC DESIGN CATEGORY	II
SPECTRAL RESPONSE ACCELERATIONS	$S_{D1} = 1.713g$, $S_{D2} = 1.142g$
SEISMIC IMPORTANCE FACTOR, I_p	1.0

GENERATOR:	
COMPONENT AMPLIFICATION FACTOR	$a_p = 2.5$
COMPONENT RESPONSE MODIFICATION FACTOR	$R_p = 2.0$
OVERSTRENGTH FACTOR	$\phi_p = 2.0$

- GOVERNING CODE AUTHORITY FOR THIS PROJECT: LOS ANGELES COUNTY AND IS REFERRED TO AS "THE GOVERNING AGENCY" IN THESE AND OTHER STRUCTURAL NOTES SECTIONS.
- GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB, EXCEPT WHERE THEY MAY DIFFER WITH DETAILS AND NOTES ON OTHER SHEETS, IN WHICH CASE THE DETAILS AND NOTES ON OTHER SHEETS SHALL GOVERN. DETAIL MARKS WITH "S/M" NOTED INDICATES THAT DETAIL CONTAINS MODIFIED INFORMATION APPLICABLE TO THE CONDITION REFERENCED.
- SEE MECHANICAL, ELECTRICAL OR PLUMBING (MEP) DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS (EXCEPT AS NOTED), INSERTS, FINISHES, ETC., FOR DETAILS (EXCEPT AS SHOWN), AND FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS. WHERE DIMENSIONS DIFFER BETWEEN PLANS, NOTIFY SEOR AND AWAIT DIRECTION PRIOR TO PROCEEDING WITH WORK.
- DO NOT INSERT MECHANICAL, ELECTRICAL OR PLUMBING (MEP) SLEEVES, PIPES OR CONDUIT IN CONCRETE WITHOUT PRIOR APPROVAL OF THE SEOR, TYPICAL UNLESS NOTED OTHERWISE ON PLAN.
- OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE SEOR PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE SEOR AND SHALL BE RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
- ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST CURRENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE SEOR SO THAT THE PROPER REVISION MAY BE MADE. MODIFICATIONS OF CONSTRUCTION DETAILS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE SEOR.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OR SEQUENCE OF CONSTRUCTION, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR THE PATH-OF-TRAVEL FOR MOVING PERMANENT SEQUENCES AND PROCEDURES, INCLUDING BUT NOT LIMITED TO BRACING, SHORING AND LAYDOWN OF CONSTRUCTION MATERIALS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY CONSTRUCTION LOADING, INCLUDING LOADING FROM EQUIPMENT SUCH AS SKIP LOADERS, SCISSOR LIFTS, ETC., ON ALL PORTIONS OF THE STRUCTURE, WHETHER ELEVATED OR ON-GRADE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE PATH-OF-TRAVEL FOR MOVING PERMANENT EQUIPMENT TO ITS FINAL LOCATION, INCLUDING THE EFFECTS OF TEMPORARY LOADING AS THE EQUIPMENT IS INSTALLED. THE CONTRACTOR MAY USE THE "DESIGN LOADS" INFORMATION PROVIDED ABOVE WHEN CONSIDERING TEMPORARY CONSTRUCTION LOADING CONDITIONS.
- OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/SEOR SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OF THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/SEOR DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED SPECIAL INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/SEOR, WHETHER OF MATERIAL OR WORK, AND WHETHER PERFORMED PRIOR TO, DURING OR AFTER COMPLETION OF CONSTRUCTION, ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONTRACTORS PERFORMANCE, AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
- ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST ADOPTED AMENDMENTS.
- WHEN THE ALLOWANCE FOR SUBSTITUTION OF A SPECIFIED MATERIAL OR PRODUCT DESIGNATION IS IMPLIED ON THE DESIGN DRAWINGS BY THE USE OF THE WORDS "OR APPROVED EQUAL", APPROVAL SHALL BE OBTAINED FROM THE SEOR AND THE GOVERNING AGENCY PRIOR TO FABRICATION OR INSTALLATION OF THE SUBSTITUTED MATERIAL OR PRODUCT.
- DIMENSIONS SHALL GOVERN OVER SCALES SHOWN ON DRAWINGS.
- THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS WHO SHALL PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION WHEN SO SPECIFIED ON THE CONTRACT DRAWINGS AND SPECIFICATIONS FOR CERTAIN TYPES OF WORK. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE HIS COMPETENCE, TO THE SATISFACTION OF THE GOVERNING AGENCY, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE SEOR AND TO THE GOVERNING AGENCY. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE SEOR AND TO THE GOVERNING AGENCY. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF HIS KNOWLEDGE, IN CONFORMANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISION OF THE CODE AND OTHER APPLICABLE REGULATIONS IDENTIFIED ON THE PLANS OR IN THE PROJECT SPECIFICATIONS.
- UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER (BEAM, COLUMN, SHEARWALL, GRADE BEAM, ETC.) SHALL BE CUT, DRILLED OR NOTCHED WITHOUT PRIOR AUTHORIZATION FROM THE SEOR AND THE GOVERNING AGENCY.
- DIMENSIONS OF EQUIPMENT ANCHOR MOUNTING LOCATIONS AND SIZE OF ANCHORAGE BRACKETS SHOWN ON PLANS AND/OR DETAILS ARE TO BE COORDINATED WITH ACTUAL EQUIPMENT TO BE INSTALLED. CONTRACTOR TO VERIFY THE EXACT SIZE AND LOCATION OF ALL EQUIPMENT ANCHOR MOUNTING HOLES LOCATIONS AND SIZE OF ANCHORAGE BRACKETS PRIOR TO INSTALLATION. WHERE ACTUAL EQUIPMENT DIMENSIONS DO NOT FALL WITHIN THE MINIMUM OR MAXIMUM DIMENSIONS PROVIDED ON PLANS AND/OR DETAILS OR THE ANCHORAGE BRACKETS ARE NOT THE CORRECT SIZE TO ALLOW FOR PROPER INSTALLATION OF THE EQUIPMENT, NOTIFY SEOR AND AWAIT DIRECTION PRIOR TO PROCEEDING WITH WORK.

SHOP DRAWINGS:

- SHOP DRAWINGS, INCLUDING CONCRETE MIX DESIGNS, SHALL BE SUBMITTED TO THE SEOR FOR REVIEW PRIOR TO FABRICATION OR USE. A SCHEDULE FOR THE RELEASE OF SHOP DRAWING SUBMITTALS SHALL BE PREPARED BY THE CONTRACTOR AND REVIEWED BY THE ARCHITECT/SEOR PRIOR TO THE START OF FABRICATION OR CONSTRUCTION. THIS SUBMITTAL SCHEDULE SHALL PROPORTION THE NUMBER OF SHOP DRAWINGS TO BE REVIEWED IN EACH SUBMITTAL TO ALLOW SUFFICIENT TIME AS DEEMED REASONABLE IN THE PROFESSIONAL JUDGMENT OF THE ARCHITECT/SEOR TO PERMIT ADEQUATE REVIEW. SHOP DRAWINGS SHALL REFERENCE THE LATEST REVISION OF EACH STRUCTURAL DESIGN DRAWING USED TO DETAIL FROM. SUBMITTALS THAT DO NOT IDENTIFY THE LATEST REVISION OF STRUCTURAL PLANS SHALL BE RETURNED WITHOUT REVIEW, FOR THE DETAILER TO UPDATE AND RESUBMIT. THE DETAILING ON EACH SHOP DRAWING SHALL BE COMPLETE BEFORE RELEASING FOR REVIEW THE SUBMITTAL CONTAINING THAT SHOP DRAWING. IF THE SUBMITTAL MUST BE REVISED, IT SHALL IDENTIFY EACH REVISION AND/OR ADDITION TO EACH SHOP DRAWING BY CLOUDING OR OTHER MEANS, TO ENSURE THEIR IDENTIFICATION FOR REVIEW.
- SHOP DRAWINGS AND CONCRETE MIX DESIGNS WILL NOT BE ACCEPTED BY THE SEOR DIRECTLY FROM THE PROJECT SUB-CONTRACTORS. SHOP DRAWINGS AND CONCRETE DESIGN MIXES WILL BE ACCEPTED FROM THE GENERAL CONTRACTOR ONLY AFTER THEY HAVE BEEN REVIEWED AND SIGNED BY THE GENERAL CONTRACTOR, INDICATING COMPLIANCE WITH HIS REQUIREMENTS AND THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. SHOP DRAWINGS NOT COMPLYING WITH THE INSTRUCTIONS IN BOTH NOTES A AND B WILL BE RETURNED BY THE SEOR WITHOUT REVIEW.

FOUNDATIONS:

- RECOMMENDATIONS CONTAINED IN THE PROJECT GEOTECHNICAL/SOILS REPORT AS LISTED BELOW WERE USED FOR THE STRUCTURAL DESIGN OF FOUNDATIONS AND EARTH RETAINING ELEMENTS CONTAINED HEREIN. IF IT IS DETERMINED THAT ANY OF THE RECOMMENDATIONS IN THE PROJECT REPORT AFFECTING CONSTRUCTION WILL NOT BE FOLLOWED, A FORMAL CHANGE ORDER SHALL BE PREPARED WITH ADEQUATE TIME FOR PROCESSING APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD, THE GEOTECHNICAL ENGINEER AND THE GOVERNING AGENCY. MHP ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE RECOMMENDATIONS CONTAINED WITHIN THE PROJECT REPORT.
 - REPORT TITLE: PROPOSED CAMP GLENN ROCKEY SECURITY UPGRADES PROJECT
 - REPORT OR PROJECT NUMBER: W1500-06-08
 - PREPARED BY: GEOCON WEST, INC.
 - DATED: NOVEMBER 14, 2023
- THE FOLLOWING DESIGN PARAMETERS WERE USED AS THE BASIS FOR ALLOWABLE FOUNDATION LOADS AND SOIL PRESSURES.
 - ALLOWABLE SOIL BEARING PRESSURES:
 - MAT FOUNDATION: 2,000 PSF
 - ALLOWABLE INCREASES FOR SOIL PRESSURE:
 - FOR LOAD COMBINATIONS INCLUDING WIND OR SEISMIC, A ONE-THIRD (1/3) INCREASE IS ALLOWED.
 - MODULES OF SUBGRADE REACTION: 150 PCF
- RESISTANCE TO SLIDING:
 - FRICTION COEFFICIENT: 0.43 X DEAD LOAD (SLABS WITHOUT MOISTURE BARRIER)
 - 0.15 X DEAD LOAD (SLABS WITH MOISTURE BARRIER)
 - PASSIVE PRESSURE: 270 PCF (2.700 PSF MAXIMUM)
 - WHEN COMBINED, REDUCE PASSIVE PRESSURE BY 1/3.
- ALL SITE FILL, INCLUDING BACKFILL FOLLOWING OVER-EXCAVATION, IF REQUIRED, SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, IF APPLICABLE, AND ASTM TEST METHOD D-1557. FLOODING IS NOT PERMITTED AND SHALL NOT BE USED FOR COMPACTION PURPOSES.
- ALL FILL AND BACKFILL EXTENTS AND MATERIAL SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER.
- ALL FOUNDATION EXCAVATIONS SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION OF REINFORCING OR OTHER ELEMENTS WHICH MAKE THE EXCAVATIONS INACCESSIBLE FOR ANY CORRECTIVE WORK DEEMED NECESSARY FOR APPROVAL.
- WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATION PRIOR TO PLACING OF CONCRETE. CARE SHALL BE TAKEN TO AVOID DRYING OUT UNDERLYING NATURAL SOILS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEQUENCING AND SHORING, ETC., NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION AND FORMING AND PLACEMENT OF CONCRETE. CARE SHALL BE TAKEN TO AVOID DISTURBING SOILS AROUND AND/OR SUPPORTING EXISTING FOUNDATIONS AND UTILITIES.
- SEE SPECIAL INSPECTION GENERAL NOTES FOR INSPECTION REQUIREMENTS.

This Plan has been reviewed and appears to be in general conformity with the recommendations of the referenced Geocon report(s) (and addenda).

Project No. W1500-06-08

No representation is made regarding the design shown, or the accuracy of any measurement or dimension. Calculations by others were not reviewed by Gecon.

Date: 06/07/24 By: Harry Derkalousdian



REINFORCING STEEL:

- DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO STANDARDS AND RECOMMENDATIONS CONTAINED WITHIN THE CRSI "MANUAL OF STANDARD PRACTICE". DETAILING FABRICATION AND PLACING OF WELDED WIRE REINFORCING SHALL CONFORM TO THE STANDARDS AND RECOMMENDATIONS CONTAINED WITHIN THE WRI "MANUAL OF STANDARD PRACTICE - STRUCTURAL WELDED WIRE REINFORCEMENT".
- REINFORCING BARS (REBAR), STEEL WELDED WIRE REINFORCING (WWR), AND THE WIRE USED TO SECURE REBAR AND WWR SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS, UNO:
 - REINFORCING (ALL BAR SIZES, UNO): ASTM A-615, GR 60
 - REINFORCING BARS TO BE WELDED (ALL BAR SIZES UNO): ASTM A-706, GR 60
 - WELD WIRE REINFORCING: ASTM A-1064
 - TIE WIRE: ASTM A-82
- ALL REINFORCING STEEL SHALL BE BENT COLD. GRADE 60 BARS MAY ONLY BE BENT ONCE, STRAIGHTENING AND/OR RE-BENDING IS NOT ALLOWED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SEQUENCE PLACEMENT OF REINFORCING SUCH THAT INCIDENTAL BENDING DOES NOT OCCUR.
- PRIOR TO PLACING CONCRETE, REINFORCING STEEL, INCLUDING WWR, AND OTHER EMBEDDED ITEMS SHALL BE WELL-SECURED IN POSITION AND SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. WHERE TWO LAYERS OF REINFORCING STEEL ARE REQUIRED (I.E. FOOTING PADS OR SLABS) PROVIDE APPROPRIATE CHAIRS TIED TO AND SUPPORTED BY LOWER MAT OF REINFORCING TO SUPPORT THE UPPER MAT OF REINFORCING. "HOOK AND PULL" METHODS SHALL NOT BE ALLOWED.
- CONCRETE PROTECTION FOR REINFORCING BARS SHALL BE AT LEAST EQUAL TO THE DIAMETER OF THE BAR. MINIMUM COVER FOR CAST IN PLACE CONCRETE SHALL BE AS FOLLOWS:
 - CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND: 3"
 - EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
 - ALL MEMBERS, ALL REINFORCEMENT: 2"
 - ALL MEMBERS, #6 THROUGH #18 BARS: 2"
 - ALL MEMBERS, #5, W31 OR D31 WIRE AND SMALLER: 1 1/2"
 - NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
 - SLABS, JOISTS, WALLS, #14 AND #18 BARS: 1 1/2"
 - SLABS, JOISTS, WALLS, #11 BARS AND SMALLER: 3/4"
 - BEAMS, COLUMNS, PRIMARY REINF, STIRRUPS, TIES, SPIRALS AND HOOPS: 1 1/2"
- MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS IN A SINGLE LAYER SHALL NOT BE LESS THAN 1 1/2", 4/3 TIMES LARGEST AGGREGATE, 1 1/2 TIMES DIAMETER OF THE LARGER BAR, WHICHEVER IS GREATER. WHERE PARALLEL REINFORCING IS PLACED IN TWO OR MORE LAYERS, BARS IN THE UPPER LAYERS SHALL BE PLACED DIRECTLY ABOVE THE BARS IN LOWER LAYERS WITH NOT LESS THAN 1" CLEAR SPACE BETWEEN LAYERS.
- DEVELOPMENT AND LAP SPICE LENGTHS FOR REINFORCING STEEL AND WELDED WIRE REINFORCING SHALL BE AS NOTED ON PLANS AND DETAILS CONTAINED THEREIN. WHERE SPICE LOCATIONS ARE NOT SPECIFICALLY INDICATED, SPLICES SHALL BE STAGGERED A MINIMUM OF ONE (1) LAP LENGTH. WHERE SPECIFIC LAP LENGTH REQUIREMENTS ARE NOT SPECIFICALLY SHOWN ON PLANS, THE FOLLOWING MINIMUM LENGTHS SHALL BE USED:
 - REBAR IN CONCRETE: SEE TYPICAL DETAILS
 - REBAR IN MASONRY: SEE TYPICAL DETAILS
 - WWR IN CONCRETE: 1 1/2 X WIRE GRID SPACES (9" MIN)
- COMPLETE REINFORCING PLACEMENT DRAWINGS (SHOP DRAWINGS) SHALL BE PREPARED IN ACCORDANCE WITH ACI 315 AND SHALL BE SUBMITTED TO THE SEOR FOR REVIEW PRIOR TO FABRICATION. APPROVED SHOP DRAWINGS SHALL BE MADE AVAILABLE ON THE JOB SITE PRIOR TO PLACING OF CONCRETE. SEE SUBMITTALS SECTION OF THE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- CONTRACTOR SHALL SCHEDULE SPECIAL INSPECTIONS SO THAT BAR SIZE, SPACING, LAP SPICE AND EMBEDMENT LENGTH OF REINFORCING BARS, AND THE LOCATION OF CONDUIT, SLEEVES AND EMBEDDED ITEMS, MAY BE CORRECTED, IF NECESSARY, PRIOR TO PLACEMENT OF OVERLYING GRIDS OF REINFORCING STEEL AND/OR PLACEMENT OF CONCRETE.
- WHEN CALLED FOR ON PLANS, WELDING OF REINFORCING STEEL, INCLUDING DETAILS, PROCEDURES, AND WORKMANSHIP, SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI/AWS D1.4 - "STRUCTURAL WELDING CODE - REINFORCING STEEL" AS PUBLISHED BY THE AMERICAN WELDING SOCIETY. THE FOLLOWING ADDITIONAL CRITERIA SHALL BE MET:
 - DEFORMED STEEL BARS CONFORMING TO ASTM A-706, GRADE 60 MAY BE WELDED WITHOUT QUALIFICATION.
 - REINFORCING STEEL CONFORMING TO ASTM A-615, GRADE 60, WITH A CARBON EQUIVALENT OF 0.65% OR LESS, AS ESTABLISHED BY THE MANUFACTURER'S CHEMICAL ANALYSIS, MAY BE WELDED WITHOUT PRIOR QUALIFICATIONS TESTS.
 - REINFORCING STEEL WITH A CARBON EQUIVALENT GREATER THAN 0.65% AND LESS THAN OR EQUAL TO 0.75%, AS ESTABLISHED BY THE MANUFACTURER'S CHEMICAL ANALYSIS, SHALL NOT BE WELDED UNLESS PRIOR QUALIFICATION TESTS VERIFY ACCEPTABLE WELDABILITY.
 - REINFORCING STEEL, WHOSE CHEMISTRY FOR CARBON EQUIVALENT WHICH CANNOT BE IDENTIFIED AND/OR IS UNKNOWN, AND REINFORCING STEEL WHOSE CARBON EQUIVALENT EXCEEDS 0.75%, SHALL NOT BE WELDED UNDER ANY CIRCUMSTANCES.
 - REBAR SHALL BE WELDED USING E80XX ELECTRODES.
- IF FUSION WELDED HOLDING WIRES ARE USED FOR FABRICATION OF REBAR CAGES OR MATS, THE FOLLOWING REQUIREMENTS AND LIMITATIONS SHALL APPLY:
 - FUSION WELDING OF HOLDING WIRES IS ALLOWED FOR TIES, STIRRUPS, HOOPS IN BEAMS, COLUMNS, AND GRADE BEAMS TO PREASSEMBLE REINFORCING STEEL CAGES. FUSION WELDING IS NOT ALLOWED FOR LONGITUDINAL REINFORCING STEEL IN ANY BEAM, COLUMN, OR GRADE BEAM. THE HOLDING WIRE AREA SHALL NOT EXCEED 5% OF THE BEAM, COLUMN, OR GRADE BEAM CROSS SECTIONAL LONGITUDINAL STEEL AREA.
 - FUSION WELDING OF HOLDING WIRES IS ALLOWED AT THE ENDS OF THE REINFORCING STEEL PLACED IN MATS (SPREAD FOOTINGS, SLAB REINFORCEMENT, ETC.) PROVIDED THAT THE FUSION WELD OCCURS WITHIN 6 BAR DIAMETERS OF THE FREE END OF THE BAR (E.G. NOT ALLOWED AT END OF COUPLED, T-HEADED, OR WELD SPLICED BARS).
 - FUSION WELDING OF HOLDING WIRES SHALL NOT OCCUR ON A BENT PORTION OF A REINFORCING BAR. AFTER HOLDING WIRE HAS BEEN FUSION WELDED TO A REINFORCING BAR, THAT BAR MAY NOT BE BENT WHERE THE FUSION WELD OCCURS.
 - THE HOLDING WIRES SHALL CONFORM TO ASTM A1064.
 - ALL REINFORCING STEEL TO BE WELDED SHALL COMPLY WITH ASTM A706.
 - SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW INDICATING WHICH MEMBERS WILL USE FUSION WELDING PROCESS FOR PREASSEMBLE AND SHALL BE IN ACCORDANCE WITH THE GENERAL STRUCTURAL NOTES. PROVIDE COMPLETE STRUCTURAL DETAILS INDICATING THE SIZE OF STIRRUPS AND HOLDING WIRES AND WELDING REQUIREMENTS.
 - WELDING SHALL BE DONE IN THE SHOP BY MACHINES USING ELECTRIC RESISTANCE WELDS AND UNDER A CONTINUOUS CONTROLLED PROCESS. SUBMIT A COMPLETE SHOP WELDING PROGRAM OUTLINING THE FOLLOWING:
 - TYPE OF THE SPECIFIC FUSION WELDING MACHINE (I.E. SCHNELL IDEA 12/25
 - PERIODIC INSPECTION OF THE IN-PLANT WELDING.
 - FUSION WELDED REINFORCING STEEL SHALL HAVE ONE TENSILE TEST TAKEN FROM ONE SPECIMEN SAMPLED AT A RATE OF 2.5 TONS OR FRACTION THEREOF OF EACH SIZE OF REINFORCING STEEL FUSION WELDED. NO BEND TEST IS NECESSARY. THE SPECIMEN SHALL HAVE A HOLDING WIRE ATTACHED TO IT THAT NEED NOT BE REMOVED. THE ELONGATION REQUIREMENTS SHALL COMPLY WITH THE ASTM OF REINFORCING STEEL SPECIFIED ON THE CONSTRUCTION DOCUMENTS (E.G. IF A615 IS SPECIFIED, BUT A706 IS USED DUE TO WELDING REQUIREMENT, THEN A615 ELONGATION REQUIREMENTS SHALL BE SATISFIED). TEST RESULTS SHALL BE PROVIDED TO THE STRUCTURAL ENGINEER OF RECORD.
- WHERE REINFORCING SPLICES ARE WELDED OR MECHANICALLY COUPLED, THE SPICE SHALL DEVELOP 1.25 FY OF THE REINFORCING BAR.
- AT MECHANICALLY COUPLED SPLICES, THE MINIMUM CLEAR COVER REQUIREMENT ON THE COUPLING DEVICE SHALL BE THE SAME AS FOR THE REINFORCING BAR BEING SPLICED.

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LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

CAMP GLENN ROCKEY
SECURITY UPGRADES

LOCATION :

1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773

ARCHITECT :

JTC
architects, inc.
66 N. 1ST AVENUE, SUITE 801
ARCADIA, CA 91008
T: **626.254.8884**
E: **info@jtcarch.com**

JTC PROJECT NO: **37606.0D**

SEAL :



CONSULTANT :

MHP
STRUCTURAL ENGINEERS
LONG BEACH • SAN DIEGO
LONG BEACH OFFICE
3900 Cover Street, Long Beach
CA 90808 • 562.985.3200
Project: 23-0177-00

TITLE:

STRUCTURAL NOTES AND
ABBREVIATIONS

SCALE: NONE
DATE: 04-17-2024
DRAWN BY: JA
CHECKED BY: GM/SH
SHEET NUMBER:

S-1.00

CONCRETE:

1. ALL CONCRETE SHALL CONFORM TO THE STANDARDS OF THE AMERICAN CONCRETE INSTITUTE (ACI), "ACI MANUAL OF CONCRETE PRACTICE" CURRENT EDITION, SPECIFICATIONS FOR STRUCTURAL CONCRETE" (ACI 301), AND BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318).
2. WHEN SPECIFIED FOR USE, NORMAL WEIGHT (NWT) CONCRETE SHALL HAVE A DRY UNIT WEIGHT OF 150 ± 3 PCF. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33.
3. WHEN SPECIFIED FOR USE LIGHTWEIGHT (LWT) CONCRETE SHALL HAVE A DRY UNIT WEIGHT OF 110 ± 3 PCF. AGGREGATES FOR LIGHTWEIGHT CONCRETE SHALL BE EXPANDED SHALE AGGREGATE CONFORMING TO ASTM C330.
4. CEMENT SHALL CONFORM TO PORTLAND CEMENT ASTM C-150 (TYPE II) UNLESS NOTED OTHERWISE. WHEN USED IN THE CONCRETE MIX, FLY ASH SHALL CONFORM TO ASTM C618 CLASS F OR N.
5. MIXING WATER SHALL CONFORM TO ASTM C1602.
6. ADMIXTURES SHALL CONFORM TO THE FOLLOWING:
 - A. WATER REDUCTION AND SETTING TIME MODIFICATION: _____ ASTM C494
 - B. PRODUCING FLOWING CONCRETE: _____ ASTM C1017
 - C. AIR ENTRAINMENT: _____ ASTM C260
 - D. INHIBITING CHLORIDE-INDUCED CORROSION: _____ ASTM C1582
7. ALL NON-SHRINK GROUT SHALL CONFORM TO ASTM C1107/C 1107M AND SHALL BE PRE-MIXED COMPOUND CONSISTING OF NON-METALLIC AGGREGATE, CEMENT AND WATER-REDUCING AND PLASTICIZING AGENTS.
 - A. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: _____ 2,000 PSI
 - B. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: _____ 7,000 PSI
8. CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH (F'C) AT 28 DAYS AND SHALL MEET THE OTHER REQUIREMENTS INDICATED BELOW:
 - A. FOOTINGS: _____ 3,000 PSI, NWT, 1 1/2" AGGREGATE, 0.45 W/C
 - B. SLABS ON GRADE: _____ 3,000 PSI, NWT, 1" AGGREGATE, 0.45 W/C
 - C. ALL OTHER CONCRETE: _____ 3,000 PSI, NWT, 1" AGGREGATE, 0.45 W/C
9. MAXIMUM SLUMP FOR CONCRETE MIXES SHALL BE 5" TYPICALLY AND 4" FOR ALL FLATWORK, WHETHER ON GRADE OR ELEVATED, EXCEPT WHEN A HIGH RANGE WATER REDUCING ADMIXTURE IS SPECIFIED FOR USE IN THE CONCRETE MIX DESIGN, SLUMP SHALL BE A MAXIMUM OF 9".
10. CONCRETE MIX DESIGN SHALL BE PREPARED BY AN APPROVED TESTING LAB AND A REGISTERED CIVIL ENGINEER AND SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD (SEOR) FOR REVIEW. CONCRETE MIX DESIGN SUBMITTALS SHALL BE STAMPED AND SIGNED BY THE LICENSED ENGINEER RESPONSIBLE FOR THE MIX DESIGN.
11. WHEN USED, AIR ENTRAINMENT SHALL NOT BE MORE THAN 5%.
12. ALL FURNISHED CONCRETE MIX DESIGNS SHALL REFLECT PROVEN CONCRETE SHRINKAGE CHARACTERISTICS OF 0.0004 IN/IN (0.04%) FINAL SHRINKAGE STRAIN OR LESS AT ALL SLABS (INCLUDING TOPPING SLABS WHERE THEY OCCUR), AND 0.0006 IN/IN (0.06%) FINAL SHRINKAGE STRAIN OR LESS AT OTHER CONCRETE ELEMENTS, AS DETERMINED IN ACCORDANCE WITH ASTM C157.
13. CONCRETE SHALL BE CONVEYED TO FINAL LOCATION BY METHODS THAT PREVENT SEGREGATION OR LOSS OF CONSTITUENTS AND ENSURE THE REQUIRED CONCRETE QUALITY.
14. WATER SHALL NOT BE ADDED TO CONCRETE AT THE SITE.
15. LOCATE CONSTRUCTION AND/OR CONTROL JOINTS AS INDICATED IN CONTRACT DOCUMENTS AND/OR SUBMIT INFORMATION FOR ACCEPTANCE OF PROPOSED LOCATION AND TREATMENT OF JOINTS NOT INDICATED IN CONTRACT DOCUMENTS.
16. ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED TO 1/4" AMPLITUDE, THOROUGHLY CLEANED AND ALL LAITANCE REMOVED. LONGITUDINAL KEYWAYS, 1 1/2" DEEP, SHALL BE USED WHERE INDICATED IN THE CONTRACT DOCUMENTS. ALL JOINTS SHALL BE THOROUGHLY DAMPENED, BUT WITHOUT STANDING WATER, IMMEDIATELY BEFORE PLACING NEW CONCRETE.
17. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES TO VERIFY THE LOCATION OF ALL STEEL, BUT NOT LIMITED TO, SECTIONS, ANCHORS, ANCHOR BOLTS, CONDUITS, EMBED PLATES, ETC. TO BE INSTALLED WITHIN CONCRETE ELEMENTS. EMBEDDED ITEMS NOT SPECIFICALLY SHOWN IN THE STRUCTURAL DRAWINGS SHALL BE LOCATED BY THE TRADES/SUB-CONTRACTORS INVOLVED, AND SHALL BE REVIEWED BY THE SEOR PRIOR TO PLACEMENT OF CONCRETE. IN COORDINATING THE LOCATION OF EMBEDDED ITEMS NOT OTHERWISE LOCATED IN THE STRUCTURAL DRAWINGS, PRIORITY SHALL BE GIVEN TO MAINTAIN SPACING AND CONTINUITY OF ALL REINFORCING. EMBEDDED ITEMS SHALL BE WELL DISTRIBUTED TO AVOID CLUSTERING IN SUCH A MANNER AS TO REQUIRE CUTTING OR RELOCATION OF REINFORCING STEEL.
18. UNLESS OTHERWISE NOTED, BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM F-1554 GR 36. ALL EMBEDDED ANCHOR BOLTS SHALL BE HEADED-TYPE. DO NOT USE J-TYPE BOLTS.
19. UNLESS OTHERWISE NOTED, A 3/4" CHAMFER SHALL BE PROVIDED AT EXPOSED EDGES OF CONCRETE BEAMS AND COLUMNS.
20. PRIOR TO PLACING CONCRETE, ALL EMBEDDED ITEMS, INCLUDING REINFORCING STEEL, SHALL BE WELL SECURED IN POSITION. CONCRETE SHALL NOT BE POURED UNTIL ALL FORMS AND REINFORCING HAVE BEEN INSPECTED. ALL PREPARATIONS FOR THE PLACEMENT HAVE BEEN COMPLETED, AND THE PREPARATIONS HAVE BEEN REVIEWED BY THE PROJECT INSPECTOR.
21. ONLY ONE GRADE OF CONCRETE SHALL BE ALLOWED AT THE JOB SITE AT ANY ONE TIME.
22. CONCRETE TO BE PLACED DURING COLD WEATHER SHALL COMPLY WITH ACI 308R, "GUIDE TO COLD WEATHER CONCRETING" AND ACI 306.1, "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING".
23. CONCRETE TO BE PLACED DURING HOT WEATHER SHALL COMPLY WITH ACI 308R, "GUIDE TO HOT WEATHER CONCRETING" AND ACI 306.1, "STANDARD SPECIFICATION FOR HOT WEATHER CONCRETING".
24. CONCRETE SHALL BE MAINTAINED IN A CONTINUOUSLY MOIST CONDITION ABOVE 50F FOR A MINIMUM OF SEVEN (7) DAYS AFTER PLACEMENT. THE 7-DAY CURE TIME MAY BE REDUCED TO 3 DAYS FOR HIGH-STRENGTH CONCRETE. ALTERNATE ACCELERATED CURING METHODS MAY BE APPROVED BY THE SEOR IF SATISFACTORY PERFORMANCE CAN BE ASSURED.
25. EQUIPMENT SHALL NOT BE PLACED ON CONCRETE UNTIL CONCRETE HAS REACHED 75% OF THE MINIMUM REQUIRED COMPRESSIVE STRENGTH AND NO SOONER THAN A MINIMUM OF 72 HOURS AFTER CONCRETE PLACEMENT. IF EQUIPMENT IS TO BE ANCHORED WITH POST-INSTALLED ANCHORS, REFER TO POST-INSTALLED ANCHOR NOTES FOR MINIMUM CONCRETE STRENGTH AND SETTING TIME REQUIREMENTS FOR DRILLING HOLES FOR ANCHORS AND INSTALLATION, TORQUING, AND TESTING OF THE ANCHORS.
26. ALL CONCRETE SHALL BE TESTED AND INSPECTED AS REQUIRED PER THE SPECIAL INSPECTION SECTION OF THESE GENERAL NOTES.

POST-INSTALLED ANCHORS:

3. POST-INSTALLED ANCHOR NOTES IN THIS SECTION SHALL APPLY TO ALL ANCHORS (INCLUDING THREADED ROD OR REINFORCING BARS) INSTALLED INTO HARDENED CONCRETE OR MASONRY EXCEPT FOR POWER DRIVEN FASTENERS, AS APPLICABLE. SEE POWER DRIVEN FASTENER GENERAL NOTES FOR MORE INFORMATION.
2. INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS AND THE APPLICABLE EVALUATION REPORT AND SHALL BE INSTALLED BY PERSONNEL TRAINED TO INSTALL THE TYPE OF POST-INSTALLED ANCHOR BEING INSTALLED.
3. LOCATE EXISTING REINFORCING BY NON-DESTRUCTIVE METHODS PRIOR TO DRILLING. EXISTING REINFORCING SHALL NOT BE CUT OR DAMAGED.
4. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF $F'_c = 2500$ PSI, BE A MINIMUM OF 21 DAYS OLD AND HAVE A MINIMUM TEMPERATURE OF 50 DEGREES FAHRENHEIT WHEN DRILLING OCCURS.
5. HOLES FOR INSTALLATION OF THE POST-INSTALLED ANCHOR SHALL BE DRILLED USING A DRILL THAT HAS A CARBIDE-TIPPED BIT THAT COMPLIES WITH ANSI B212.15. A REBAR CUTTING DRILL BIT IS NOT ALLOWED.
6. CONTRACTOR SHALL USE APPROPRIATE EQUIPMENT AND METHODS AS REQUIRED TO PROVIDE DRILLED HOLES FOR POST-INSTALLED ANCHORS IN ACCORDANCE WITH APPLICABLE STANDARDS, MANUFACTURER'S RECOMMENDATIONS, AND QUALIFYING (QC) TEST REPORTS. CARE SHALL BE TAKEN TO PREVENT OVERSIZING, OVALING, AND/OR BLOW-OUT THROUGH THE BACK FACE OF THE DRILLED MEMBER. IF OVERSIZING, OVALING, AND/OR BLOW-OUT OCCURS, THE EMPLOYED EQUIPMENT AND METHODS SHALL BE DISCONTINUED. ADDITIONAL DRILLING SHALL NOT BE RESUMED UNTIL THE SEOR HAS PROVIDED APPROVED REPAIR PROCEDURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL SUCH REPAIRS. WHEN RESUMING DRILLING, THE CONTRACTOR SHALL MODIFY THE PROCEDURES AS NECESSARY TO PREVENT FURTHER DAMAGE.
7. HOLES SHALL BE CLEARED OF DUST AND DEBRIS, USING A WIRE BRUSH AND COMPRESSED AIR OR MANUFACTURER'S BLOW-OUT BULB (AS PER MANUFACTURER'S RECOMMENDATIONS) AS REQUIRED TO REMOVE PARTICULATE DEBRIS AND TO ACHIEVE A RELATIVELY DUST-FREE SURFACE.
8. OIL, SCALE, AND RUST SHALL BE REMOVED FROM THE POST-INSTALLED ANCHOR AND HOLES SHALL BE DRY, PRIOR TO INSTALLATION.
9. POST-INSTALLED EMBEDMENT DEPTHS NOTED ON THE PLANS OR DETAILS ARE NOMINAL (I.E. MEASURED FROM FACE OF CONCRETE OR MASONRY TO EMBEDDED TIP OF ANCHOR/REBAR). FOR CORRESPONDING HOLE DEPTH, REFER TO APPLICABLE EVALUATION REPORT.
10. ANCHORS IN APPROVED ADHESIVE ANCHOR SYSTEMS SHALL HAVE MINIMUM $F_y = 36$ KSI AND SHALL BE ZINC ELECTROPLATED OR HOT-DIP GALVANIZED AS REQUIRED PER ESR.
11. APPROVED ADHESIVE ANCHOR SYSTEMS AND EVALUATION REPORTS ARE AS FOLLOWS:
 - A. CONCRETE:
 - HILTI HIT-RE 500 V3 _____ ESR-3814
 - HILTI HIT-HY 200 V3 _____ ESR-4868
 - B. HORIZONTAL SLAB-ON-GRADE DOWELS:
 - HILTI HIT-RE 100 _____ ESR-3829
 - HILTI HIT-HY 100 _____ ESR-3574
12. WHERE NOTED ON SPECIFIC DETAILS, INSTALLATION OF ADHESIVE ANCHORS SHALL BE BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM PER ACI 318 SECTION 17.5.2.2. CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH ACI/CES ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM. CERTIFICATION DOCUMENTS SHALL BE SUBMITTED TO THE SEOR AND AHJ FOR REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION.
13. APPROVED EXPANSION ANCHORS AND EVALUATION REPORTS ARE AS FOLLOWS:
 - A. CONCRETE NOT EXPOSED TO WEATHER:
 - HILTI KWIK BOLT-TZZ ANCHORS _____ ESR-4266
 - SIMPSON STRONG-TIE STRONG-BOLT 2 WEDGE ANCHOR _____ ESR-3037
 - B. CONCRETE EXPOSED TO WEATHER:
 - STAINLESS STEEL HILTI KWIK BOLT-TZZ ANCHORS _____ ESR-4266
 - DEWALT POWER-STUD+ SD4 OR SD6 _____ ESR-2502
 - STAINLESS STEEL SIMPSON STRONG-TIE STRONG-BOLT 2 WEDGE ANCHOR _____ ESR-3037

15. INSTALLATION TORQUES FOR EXPANSION ANCHORS SHALL BE AS NOTED BELOW:

EXPANSION ANCHOR MAXIMUM INSTALLATION TORQUE LOADS IN CONCRETE (FT-LB)		
NOMINAL ANCHOR DIAMETER	HILTI KWIK BOLT TZ2	SIMPSON STRONG BOLT 2
1/4"	4CS/6SS	4
3/8"	30	30
1/2"	50CS/40SS	60
5/8"	40CS/60SS	90CS/ 80 SS
3/4"	110CS/125SS	150
1"	185	N/A

16. APPROVED SCREW ANCHORS AND EVALUATION REPORTS ARE AS FOLLOWS:
- A. CONCRETE:
- HILTI KH-EZ OR KH-EZ P ANCHORS _____ ESR-3027
 - DEWALT SCREW-BOLT+ _____ ESR-3889
 - DEWALT ULTRACON+ _____ ESR-3068
 - SIMPSON TITEN HD _____ ESR-2713
 - ITW RED HEAD TAPCON+ _____ ESR-3699
17. INSTALLATION TORQUES FOR SCREW ANCHORS SHALL BE AS NOTED BELOW

17. INSTALLATION TORQUES FOR SCREW ANCHORS SHALL BE AS NOTED BELOW

SCREW ANCHOR MAXIMUM INSTALLATION TORQUE LOADS IN CONCRETE (FT-LB)				
NOMINAL ANCHOR DIAMETER	HILTI KH-EZ OR KH-EZ P	DEWALT SCREW BOLT+	SIMPSON TITEN HD	ITW RED HEAD TAPCON+
1/4"	18	19 AT 1 5/8" EMBED / 25 AT 2 1/2" EMBED	24	20
3/8"	40 (19 AT EMBED ≤ 1 5/8")	25 AT 2" & 2 1/2" EMBED / 40 AT 3 1/4" EMBED	50	50
1/2"	45	45 AT 2 1/2" & 3" EMBED / 60 AT 4 1/4" EMBED	65	70
5/8"	85	60	100	N/A
3/4"	95	70	150	N/A

18. SEE SPECIAL INSPECTION AND TESTING NOTES FOR INSPECTION REQUIREMENTS.

SPECIAL INSPECTIONS:

- THE OWNER, OR THE OWNERS AUTHORIZED AGENT (OTHER THAN THE CONTRACTOR AS APPLICABLE), SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS, INCLUDING AS APPLICABLE AN INSPECTOR OF RECORD (IOR), WHO SHALL PERFORM SPECIAL INSPECTIONS DURING CONSTRUCTION FOR CERTAIN TYPES OF WORK WHEN SO SPECIFIED IN THE CONTRACT DOCUMENTS AND PER THE SPECIFICATIONS. WHEN AN IOR IS REQUIRED BY THE GOVERNING AGENCY, THE IOR MAY PERFORM SPECIAL INSPECTIONS IF THAT PERSON IS QUALIFIED PER THE GOVERNING AGENCY'S STANDARDS FOR THE SPECIAL INSPECTION REQUIRED. WHERE AN IOR IS NOT REQUIRED, THESE SPECIAL INSPECTIONS SHALL BE IN ADDITION TO AND COMPLEMENTARY WITH THE INSPECTIONS PROVIDED BY THE GOVERNING AGENCY.
2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON FROM AN APPROVED AGENCY CONFORMING TO ASTM C1077 WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE GOVERNING AGENCY, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
3. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE DESIGN DRAWINGS, SPECIFICATIONS AND APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE AND OTHER APPLICABLE REGULATIONS IDENTIFIED WITHIN THE CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR FOR CORRECTION AND THEN, IF UNCORRECTED, TO THE ATTENTION OF THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE GOVERNING AGENCY. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE SPECIAL INSPECTOR AND SCHEDULE THE SPECIAL INSPECTIONS WITH ADEQUATE TIME TO ADDRESS ANY AND ALL POTENTIAL DISCREPANCIES PRIOR TO PROCEEDING WITH SUBSEQUENT WORK THAT COVERS OR OTHERWISE MAKES IMPASSABLE ANY WORK IDENTIFIED AS DEVIATING FROM THE PROJECT REQUIREMENTS.
4. THE SPECIAL INSPECTOR SHALL FURNISH REGULAR INSPECTION REPORTS TO THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE GOVERNING AGENCY IDENTIFYING THE WORK INSPECTED AND ANY UNCORRECTED DISCREPANCIES FROM THE CONSTRUCTION DOCUMENTS. AT THE CONCLUSION OF THE PROJECT OR THE SPECIAL INSPECTOR'S ASSIGNED SCOPE OF WORK, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL, SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF HIS OR HER KNOWLEDGE, COMPLETED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS (INCLUDING APPROVED RFIs, ADDENDUMS, ETC.) AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE AND OTHER APPLICABLE REGULATIONS IDENTIFIED WITHIN THE CONSTRUCTION DOCUMENTS.
5. UNLESS NOTED OTHERWISE, SPECIAL INSPECTIONS IDENTIFIED BELOW SHALL BE PROVIDED IN EITHER A CONTINUOUS OR PERIODIC CAPACITY, AS DEFINED BELOW, AS REQUIRED BY THE INDIVIDUAL CODE OR REFERENCED STANDARD.
6. CONTINUOUS - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
7. PERIODIC - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED. FOR STRUCTURAL STEEL, PERIODIC INSPECTION IS FURTHER DEFINED SUCH THAT ITEMS ARE OBSERVED ON A RANDOM BASIS.
8. FOR STRUCTURAL STEEL WELDING AND BOLTING, SPECIAL INSPECTION SHALL BE PROVIDED IN EITHER AN OBSERVE OR PERFORM CAPACITY AS DEFINED BELOW.
- OBSERVE (O) - INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS
 - PERFORM (P) - INSPECTOR SHALL OBSERVE OR PERFORM SPECIFIED TASK FOR EACH WELDED OR BOLTED JOINT OR MEMBER
9. QUALITY CONTROL (QC) INSPECTION TASKS SHALL BE PERFORMED BY THE FABRICATOR'S OR ERECTOR'S QC INSPECTOR (QCI) AS INDICATED. QUALITY ASSURANCE (QA) INSPECTION TASKS SHALL BE PERFORMED BY THE QA INSPECTOR (QAI) AS INDICATED. WHEN A TASK IS INDICATED TO BE PERFORMED BY BOTH THE QAI AND QCI, COORDINATION IS PERMITTED SO THAT THE INSPECTION FUNCTIONS ARE PERFORMED BY ONLY ONE PARTY. WHEN THE QAI RELIES ON THE QCI, THE APPROVAL OF THE SEOR AND AGENCY HAVING JURISDICTION IS REQUIRED.
10. THE FOLLOWING CONSTRUCTION ELEMENTS AND MATERIALS SHALL BE INSPECTED AND EVALUATED BY A SPECIAL INSPECTOR IN ACCORDANCE WITH THE NOTED CBC SECTIONS AND REFERENCED STANDARDS, WHERE ELEMENTS AND MATERIALS ARE PRESENT ON THE PROJECT. SEE GENERAL NOTES FOR EACH MATERIAL FOR ADDITIONAL REQUIREMENTS. IN ADDITION TO TABLES AND NOTES BELOW:

FOUNDATION SPECIAL INSPECTION TABLES:

REQUIRED VERIFICATION AND INSPECTION OF SOILS PER CBC TABLE 1701.6

VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		X
4. VERIFY USE OF PROPER MATERIAL, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X	
5. PRIOR TO STATEMENT OF COMPACTED FILL INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	X	

FOUNDATION SPECIAL INSPECTION NOTES:

1. FOR STEEL, CONCRETE OR CONCRETE-FILLED ELEMENTS PERFORM ADDITIONAL INSPECTIONS INDICATED BELOW AS APPLICABLE.

CONCRETE SPECIAL INSPECTION TABLE:

**REQUIRED VERIFICATION AND INSPECTION OF
CONCRETE CONSTRUCTION PER CBC TABLE 1705.3**

VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK	PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA	
			MISC. STANDARDS	CBC
1. INSPECT REINFORCEMENT INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	—	X	ACI 318: CH 20, 25.2, 25.3, 26.1.5 AND 26.5.3	1908.4
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A716. B. INSPECT SINGLE-PASS FILLET WELDS, MAX. 5/16". C. INSPECT ALL OTHER WELDS	X	X	AWS D1.4 ACI 318: CH 26.5.4	—
3. INSPECTION OF ANCHORS CAST IN CONCRETE	—	X	ACI 318: CH 17.8.2	—
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (SEE NOTE 1 BELOW): A. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL/UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A	X	X	ACI 318: CH 17.8.2.4	—
5. VERIFY USE OF REQUIRED DESIGN	—	X	ACI 318: CH 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1906.2, 1909.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS (SEE NOTE 2 BELOW), TEST TAMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	—	X	ASTM C 172 ASTM C 31 ACI 318: CH 26.4.5, 26.12	908.10
7. INSPECT CONCRETE AND BROUETTE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	—	ACI 318: CH 26.4.5	1908.6, 1908.7, 1910.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	—	X	ACI 318: CH 5.11.5-13	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES B. CRACKING OF BONDED PRESTRESSING TENDONS	X	—	ACI 318: CH 26.9.2.3	—
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	—	X	ACI 318: CH 26.8	—
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	—	X	ACI 318: CH 26.10.2	—
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	—	X	ACI 318: CH 26.10.1(B)	—

CONCRETE SPECIAL INSPECTION NOTES:

1. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION ARE INCLUDED IN THE RESEARCH REPORT FOR EACH POST-INSTALLED ANCHOR ISSUED BY AN APPROVED SOURCE. THESE SPECIAL INSPECTION REQUIREMENTS SHALL BE FOLLOWED. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, CONTACT THE STRUCTURAL ENGINEER FOR SPECIAL INSPECTION REQUIREMENTS PRIOR TO PROCEEDING WITH THE WORK. PROJECT SPECIAL INSPECTION MEASURES SHALL BE APPROVED BY THE GOVERNING AGENCY PRIOR TO THE COMMENCEMENT OF THE WORK.
2. A STRENGTH TEST SHALL BE THE AVERAGE OF, AT A MINIMUM, TWO 6x12 CYLINDERS OR THREE 4x8 CYLINDERS MADE FROM THE SAME SAMPLE OF CONCRETE. TESTING LABORATORY SHALL MAKE AND TEST ONE SAMPLE SET FOR EACH 5,000 CUBIC YARDS OF CONCRETE BUT NOT LESS THAN ONE SAMPLE SET FOR EACH 5,000 SQ FT OF SURFACE AREA FOR SLABS OR WALLS. IF TOTAL VOLUME OF CONCRETE IS SUCH THAT FREQUENCY OF TESTING WOULD PROVIDE FEWER THAN 5 STRENGTH TESTS FOR A GIVEN CONCRETE MIXTURE, THEN STRENGTH TEST SPECIMENS SHALL BE MADE FROM AT LEAST 5 RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN 5 BATCHES ARE USED.
3. CONTINUOUS INSPECTION IS REQUIRED DURING THE FABRICATION AND SUBSEQUENT INSPECTION OF SHOTCRETE PRE-CONSTRUCTION TEST PANELS.

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LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

CAMP GLENN ROCKEY SECURITY UPGRADES

LOCATION

1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773

ARCHITECT :



T: 828-254-8884
E: info@tcaroh.com

JTC PROJECT NO: 37606.0D

SEAL :



CONSULTANT :



TITLE:

STRUCTURAL NOTES

SCALE: NONE

DATE: 04-17-2024

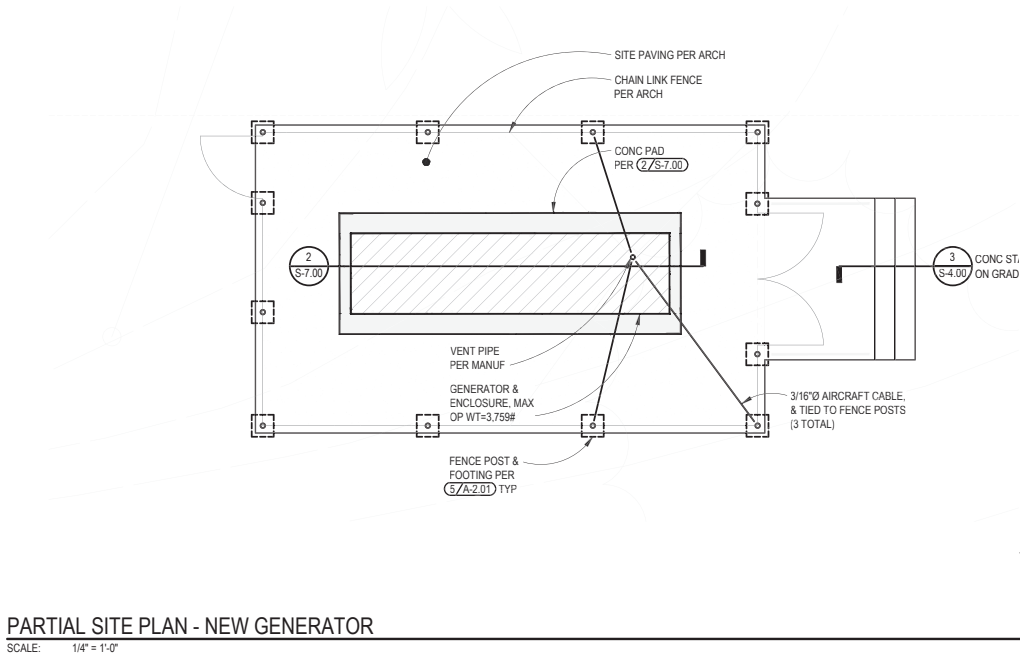
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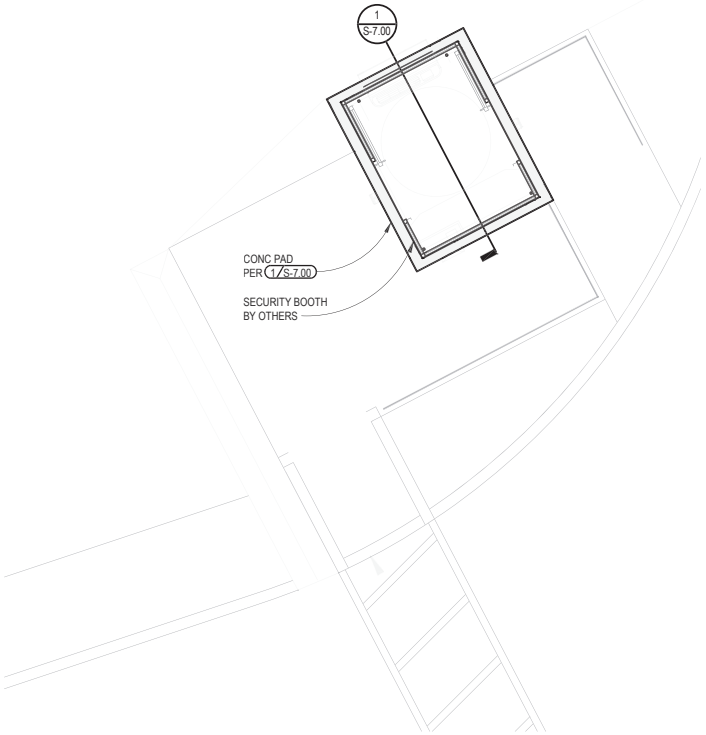
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H:\2023\20770_Drawing\Drawg-2023-01770_S-2.00 PARTIAL SITE PLAN.dwg PLOTTED BY: Chamar Shideki ON: Jun 5, 2024 AT: 9:24 AM



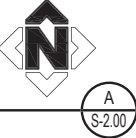
PARTIAL SITE PLAN - NEW GENERATOR

SCALE: 1/4" = 1'-0"



PARTIAL SITE PLAN - NEW SECURITY BOOTH

SCALE: 1/4" = 1'-0"



PLAN NOTES	
1.	SEE GENERAL NOTES SHEET(S) FOR APPLICABLE NOTES AND ABBREVIATIONS.
2.	EXISTING CONSTRUCTION IS SHOWN FADED AND IS LABELED AS EXISTING OR (E). NEW CONSTRUCTION IS SHOWN DARK AND IS SPECIFICALLY REFERENCED BY DETAILS AND NOTES.
3.	EXISTING CONDITIONS ARE SHOWN TO THE BEST OF OUR KNOWLEDGE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL CONDITIONS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING.

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LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

CAMP GLENN ROCKEY
SECURITY UPGRADES

LOCATION :

1900 N. SYCAMORE ROAD,
SAN DIMAS, CA 91773

ARCHITECT :

JTC
architects, inc.
68 N. 1ST AVENUE, SUITE 201
ARCADIA, CA 91006
T: 928 254-8884
E: info@tcarch.com

JTC PROJECT NO: 37606.0D

SEAL :



CONSULTANT :

MH
STRUCTURAL ENGINEERS
LONG BEACH • SAN DIEGO
LONG BEACH OFFICE
3900 Cover Street, Long Beach
CA 90808 • 562.985.3200
Project: 23-0177-00

TITLE:

PARTIAL SITE PLAN

SCALE: AS NOTED
DATE: 04-17-2024
DRAWN BY: JA
CHECKED BY: GM/SH
SHEET NUMBER:

S-2.00

