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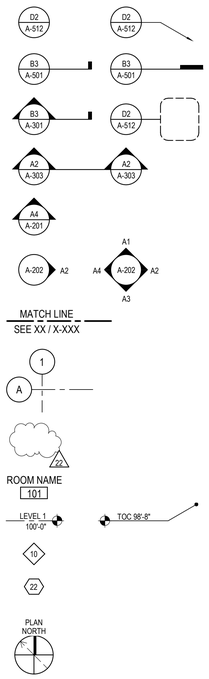
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

3500 FLORIN ROAD
SACRAMENTO, CA 95823

LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

DSA APPROVAL JUNE 17TH, 2025

ARCHITECTURAL SYMBOLS LEGEND



DETAIL INDICATOR - REFERENCE & DETAIL INDICATOR - ITEM

DETAIL INDICATOR - SECTION & DETAIL INDICATOR - SECTION ITEM

SECTION INDICATOR - PARTIAL BUILDING/WALL & DETAIL INDICATOR - AREA

SECTION INDICATOR - BUILDING

ELEVATION INDICATOR - EXTERIOR

ELEVATION INDICATOR - INTERIOR, SINGLE & MULTIPLE VIEW

MATCH LINE INDICATOR

REFERENCE GRID WITH REFERENCE GRID LINES

REVISION INDICATOR & REVISION CLOUD

ROOM IDENTIFIER WITH ROOM NAME & NUMBER

ELEVATION INDICATOR - LEVEL & SPOT

WINDOW OR LOUVER IDENTIFIER

KEYNOTE INDICATOR

PLAN NORTH & TRUE NORTH INDICATOR

LIST OF ARCHITECTURAL ABBREVIATIONS

	SEE UNITED STATES NATIONAL CAD STANDARD FOR ANY ABBREVIATIONS NOT LISTED BELOW.
&	AND
@	AT
(E)	EXISTING
'	FOOT, FEET
"	INCH(ES)
#	NUMBER
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
A/C UNIT	AIR CONDITIONING UNIT
A/E	ARCHITECT / ENGINEER
AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACST	ACOUSTIC
AD	AREA DRAIN
ADC	AUTOMATIC DOOR CLOSER
ADO	AUTOMATIC DOOR OPERATOR
ADDL	ADDITIONAL
ADJ SHV	ADJUSTABLE SHELVING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
ASSY	ASSEMBLY
BD	BOARD
BKG	BACKING
BLDG	BUILDING
BM	BEAM
BM	BENCHMARK
BOT	BOTTOM
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
BW	BOTH WAYS
C	CHANNEL
CAB	CABINET
CB	CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
CEM	CEMENT
CEM PLAS	CEM PLASTER
CFLG	COUNTERFLASHING
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CI	CAST IRON
CJ	CONSTRUCTION JOINT / CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUE / CONTINUOUS
COTG	CLEANOUT TO GRADE
CP	CONTROL PANEL
CPT	CARPET
CRS	COLD ROLLED STEEL
CSK	COUNTER SUNK
CSWK	CASEWORK
CT	CERAMIC TILE
CTR	CENTER
DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DHM	DETENTION HOLLOW METAL
DIA	DIAMETER
DIM	DIMENSION
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DWG	DRAWING
DWR	DRAWER
EA	EACH
EGSB	EXTERIOR GYPSUM SHEATHING BOARD
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC / ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EPB	ELECTRICAL PANEL BOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FB	FLAT BAR
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FLG	FLOORING
FLL	FLOW LINE
FLR	FLOOR
FOC	FACE OF CONCRETE/CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FP	FIREPROOF
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET / FOOT
FTG	FOOTING
FURG	FURRING
FUT	FUTURE
G	GROUND; NATURAL GAS
GA	GAGE
GALV	GALVANIZED
GB	GRAB BAR
GI	GALVANIZED IRON
GLU LAM	GLUED LAMINATED WOOD
GYP	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HDBD	HARDBOARD
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
KIT	KITCHEN
L	ANGLE
LAB	LABORATORY
LAV	LAVATORY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
MULL	MULLION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/	OVER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
OFF	OFFICE
OGL	OBSCURE GLASS
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
PAF	POWER ACTUATED FASTENER
PL	PROPERTY LINE; PLATE
PLAM	PLASTIC LAMINATE
PLB	PLUMB
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT; PAINT
PTN	PARTITION
PV	PHOTOVOLTAIC
QT	QUARRY TILE
R	RADIUS; RISER
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BAR
REF	REFERENCE
REF	REFRIGERATOR
REINF	REINFORCE / REINFORCING
REQD	REQUIRED
RESIL	RESILIENT
RM	ROOM
RO	ROUGH OPENING
RWD	REDWOOD
RWL	RAIN WATER LEADER
SAD	SEE ARCHITECTURAL DRAWINGS
SATC	SUSPENDED ACOUSTICAL TILE CEILING
SB	SPLASH BLOCK
SC	SOLID CORE
SCHED	SCHEDULE
SD	STORM DRAIN
SDST	SELF DRIVING, SELF TAPPING
SHT	SHEET
SHTHG	SHEATHING
SHV	SHELVING
SIM	SIMILAR
SLNT	SEALANT
SM	SHEET METAL
SPEC	SPECIFICATION
SQ	SQUARE
SS	SANITARY SEWER; SERVICE SINK
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP CLG	SUSPENDED CEILING
SV	SHEET VINYL
SYMM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&G	TONGUE & GROOVE
TEL	TELEPHONE
THK	THICKNESS
TMH	TOP OF MANHOLE
TMPD	TEMPERED
TO	TOP OF
TOC	TOP OF CURB
TOF	TOP OF FRAME
TOJ	TOP OF JOIST
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOPO	TOPOGRAPHY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER/CABINET
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING
VWF	VINYL WALL FABRIC
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WO	WHERE OCCURS
WP	WORKING POINT
WPM	WATERPROOF MEMBRANE
WSCT	WAINSCOT
WT	WEIGHT
WTR	WATER
WWR	WELDED WIRE REINFORCEMENT

GENERAL NOTES

1. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDED BUT NOT LIMITED TO;
   - TITLE 24 CCR, CALIFORNIA CODE REGULATIONS
   - TITLE 24 CCR, PART 1 - 2025 CALIFORNIA ADMINISTRATIVE CODE
   - TITLE 24 CCR, PART 2 - 2022 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC)
   - TITLE 24 CCR, PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (CEC)
   - TITLE 24 CCR, PART 4 - 2022 CALIFORNIA MECHANICAL CODE (CMC)
   - TITLE 24 CCR, PART 5 - 2022 CALIFORNIA PLUMBING CODE (CPC)
   - TITLE 24 CCR, PART 6 - 2022 CALIFORNIA ENERGY CODE
   - TITLE 24 CCR, PART 9 - 2022 CALIFORNIA FIRE CODE (CFC)
   - TITLE 24 CCR, PART 11 - 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
   - TITLE 24 CCR, PART 12 - 2022 CALIFORNIA REFERENCED STANDARDS
   - 2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)
   - 2019 NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
   - 2021 NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS (CA AMENDED)
   - 2021 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS
   - 2019 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
   - 2016 NFPA 22, WATER TANKS FOR PRIVATE FIRE PROTECTION (CA AMENDED)
   - 2022 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
   - 2013CA NFPA 25, INSPECTION, TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (CA AMENDED)
   - 2022 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED)
   - 2022 CBC CHAPTER 35 & CFC CHAPTER 80 (CA ADOPTED AMENDMENTS)
   - 2022 CBC/CFC CHAPTER 33 (FIRE SAFETY DURING CONSTRUCTION & DEMOLITION)
2. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE. REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, THE FOLLOWING:
   - LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
   - MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
   - ENVELOPE & PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD, OR THE OWNER'S AGENT.
   - A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE
   - THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, & DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION / INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM & PASS THE REQD ACCEPTANCE CRITERIA.
   - PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES ETC. PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL NOTIFY ARCHITECT WHERE CONFLICT OCCURS ON ANY OF THE CONTRACT DRAWINGS OR DOCUMENTS. CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.
5. WHERE REQUIRED, ROOM OCCUPANCY CAPACITIES SHALL BE POSTED WITH THE REQUIREMENTS OF CALIFORNIA STATE FIRE MARSHAL & CBC 1004.9.
6. SPECIAL REQUIREMENTS: ASSUMED PROPERTY LINES & FIRE SEPARATION DISTANCE PER SHEET GL101; EMERGENCY VEHICLE ROAD ACCESS PER GL101
7. CHANGES TO, OR SUBSTITUTIONS ON, THE APPROVED DRAWINGS OR SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY THE SECTION 4-338 OF CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART I. (CAC 4-338) AND DSA IR A-6
8. A CLASS 2 "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONT INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SEC. 4-342, PART 1, TITLE 24, CCR.
9. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. SEE LIST OF DEFERRED SUBMITTAL ITEMS, THIS SHEET.
10. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
11. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
12. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SITE SAFETY PLAN.
13. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDUM, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(C) PART 1, TITLE 24 CCR.

SHEET INDEX

GENERAL
G-001 COVER SHEET
G-011 GENERAL NOTES & ACCESSIBLE GATE DETAIL
GL102 LIFE SAFETY & CODE ANALYSIS - SITE PLAN
GF101 FIRE ACCESS SITE PLAN
GA101 ACCESSIBILITY SITE PLAN

CIVIL
C011 CIVIL GENERAL NOTES AND ABBREVIATIONS
CR101 TOPOGRAPHIC SURVEY
CR102 TOPOGRAPHIC SURVEY
CR103 TOPOGRAPHIC SURVEY
CD101 DEMOLITION PLAN
CD102 DEMOLITION PLAN
CD103 DEMOLITION PLAN
CG101 GRADING PLAN
CG102 GRADING PLAN
CG103 GRADING PLAN
CP102 PAVING AND STRIPING PLAN
CP103 PAVING PLAN
C-501 DETAILS AND SECTIONS

STRUCTURAL
S-001 GENERAL NOTES
S-011 TYPICAL NOTES
S-012 TYPICAL NOTES
S-531 DETAILS - TYPICAL CONCRETE
S-541 DETAILS - MASONRY

ARCHITECTURAL
AD101 DEMOLITION SITE PLAN
AS101 OVERALL SITE PLAN
AS102 ENLARGED SITE PLANS
AS501 FENCE & GATE DETAILS

TECHNOLOGY
T000 TECHNOLOGY COVER SHEET
T100 TECHNOLOGY SITE PLAN
T900 TECHNOLOGY SINGLE LINE AND DETAILS

TOTAL PAGE COUNT: 30

PROJECT DIRECTORY

OWNER
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE
SACRAMENTO, CA 95824
CONTACT: CHRIS RALSTON
PHONE: 916.643.7400
EMAIL: CHRIS-RALSTON@SCUSD.EDU

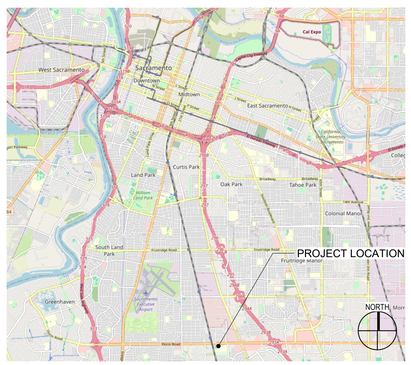
ARCHITECT
LIONAKIS
2025 19TH STREET
SACRAMENTO, CA 95818
CONTACT: JENNIFER QUIGLEY
PHONE: 916.558.1900
EMAIL: JENNIFER.QUIGLEY@LIONAKIS.COM

CIVIL ENGINEER
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762
CONTACT: ANTHONY TASSANO
PHONE: 916.985.1870
EMAIL: ANTHONY@WCEINC.COM

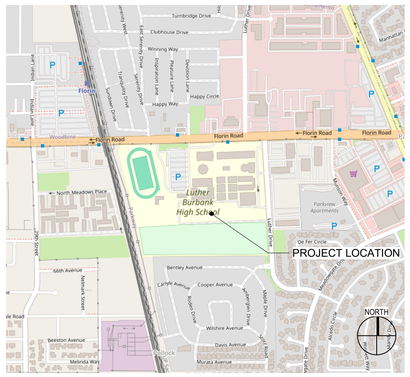
ELECTRICAL/LOW VOLTAGE
KMM SERVICES
5433 EL CAMINO AVE, #5
CARMICHAEL, CA 95608
CONTACT: RONNY KAGSTROM
PHONE: 916.825.3625
EMAIL: RONNY.KAGSTROM@KMMSERVICES.COM

STRUCTURAL ENGINEER
LIONAKIS
2025 19TH STREET
SACRAMENTO, CA 95818
CONTACT: LUCAS JOLLY
PHONE: 916.558.1900
EMAIL: LUCAS.JOLLY@LIONAKIS.COM

LOCATION MAP



VICINITY MAP



SCOPE OF PROJECT

- REMOVAL AND REPLACEMENT OF EXISTING FENCING AND GATES
- NEW FENCING AND GATES
- SITE WALL
- LOW-VOLTAGE ALTERATION TO BUILDING 3 - CAFETERIA

DEFERRED SUBMITTALS

NONE

FLOOD HAZARD ZONE

ZONE X; AREA WITH REDUCED FLOOD RISK DUE TO LEVEE

DSA NOTE

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR).

STATEMENT OF GENERAL CONFORMACE

APPLICATION NO.: 02-123456

PROJECT TRACKING NO.: 67439-524

THE DRAWINGS IDENTIFIED AS FOLLOWS:

☒ ALL DRAWING SHEETS INCLUDED IN THIS SET NOT BEARING MY STAMP AND SIGNATURE.

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND AUTHORIZED TO PREPARE SUCH DRAWINGS (PLANS) IN THIS STATE. THEY HAVE BEEN EXAMINED BY ME FOR:

1) DESIGN INTENT AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND

2) COORDINATION WITH MY DRAWINGS (PLANS) AND SPECIFICATIONS AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

PER TITLE 24, PART 1, SECTION 4-316(B): THIS STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 OF TITLE 24, PART 1

Jennifer Quigley		08/04/2025
SIGNATURE OF ARCHITECT		DATE
JENNIFER QUIGLEY	C34138	11/30/2025
PRINTED NAME	LICENCE NUMBER	EXPIRATION DATE

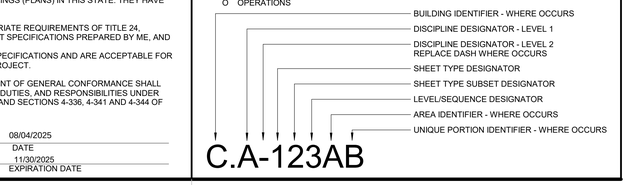
SHEET IDENTIFICATION LEGEND

DISCIPLINE DESIGNATORS - LEVEL 1

G	GENERAL
H	HAZARDOUS MATERIALS
V	SURVEY/MAPPING
B	GEOTECHNICAL
C	CIVIL
L	LANDSCAPE
S	STRUCTURAL
A	ARCHITECTURAL
I	INTERIORS
Q	EQUIPMENT
F	FIRE PROTECTION
P	PLUMBING
D	PROCESS
M	MECHANICAL
E	ELECTRICAL
W	DISTRIBUTED ENERGY
T	TELECOMMUNICATIONS
R	RESOURCE
X	OTHER DISCIPLINES
Z	CONTRACTOR/SHOP DRAWINGS
O	OPERATIONS

SHEET TYPE DESIGNATORS

0	GENERAL
1	PLANS
2	ELEVATIONS
3	SECTIONS
4	LARGE SCALE VIEWS
5	DETAILS
6	SCHEDULES & DIAGRAMS
7	USER DEFINED
8	USER DEFINED
9	3D REPRESENTATIONS



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123456 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/08/2025

LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com
CONSULTANT

SEAL

LICENSED ARCHITECT
JENNIFER MARIE QUIGLEY
C34138
REN. 11-30-25
STATE OF CALIFORNIA

PROJECT
LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47th Ave.; Sacramento, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
DSA	06/18/2025	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO: 034251
COPYRIGHT: LIONAKIS 2024

TITLE
COVER SHEET

SHEET
G-001

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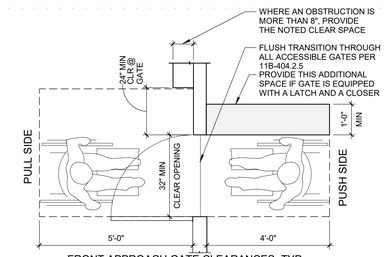
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GENERAL NOTES

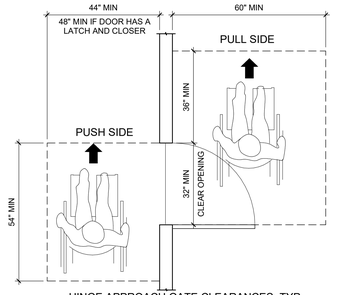
1. PRIOR TO THE PRE-BID DEADLINE FOR RFIS, CONTRACTORS PROVIDING A BID OR PRICE FOR THE WORK OF THESE CONSTRUCTION DOCUMENTS SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND REQUEST ADDITIONAL INFORMATION FOR PERCEIVED ISSUES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: (IF NO RFI DEADLINE IS PROVIDED, CONTACT THE OWNER AND ARCHITECT IMMEDIATELY)
   - DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS
   - CODE DEFICIENCIES
   - ERRORS
   - OMISSIONS
   - MATERIAL INCOMPATIBILITY
   - ITEMS IN CONFLICT WITH CONTRACTOR'S EXPERIENCE
   - DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE CONSTRUCTION DOCUMENTS
   - CONSTRUCTABILITY ISSUES
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF CONSTRUCTION WORK PERFORMED BY SUBCONTRACTORS.
3. VERIFY AND CORRELATE DIMENSIONS DURING THE LAYOUT OF THE WORK. THE FOLLOWING GUIDANCE APPLIES TO DIMENSIONS USED ON THE CONSTRUCTION DRAWINGS:
   - USE DIMENSIONS INDICATED ON THE DRAWINGS
   - DO NOT SCALE FROM THE DRAWINGS
   - IMMEDIATELY NOTIFY THE ARCHITECT OF DISCREPANCIES OR OMISSIONS IN DIMENSIONS SHOWN ON THE DRAWINGS
4. PROVIDE INFILL MATERIALS TO MATCH ADJACENT EXISTING AND/OR NEW MATERIALS WHERE GAPS IN CONSTRUCTION OCCUR. INFILL MATERIALS SHALL MEET CURRENT CODE AND STRUCTURAL REQUIREMENTS. CONTACT ARCHITECT PRIOR TO INSTALLATION.
5. ADHERE TO THE STRICTEST REQUIREMENTS OF APPLICABLE CODES, INDUSTRY STANDARDS, OSHA AND EPA STANDARDS, DUST CONTROL REQUIREMENTS, AHJ REQUIREMENTS AND OTHER APPLICABLE REQUIREMENTS.
6. AT PROJECT CLOSEOUT PROVIDE THE OWNER WITH, AT A MINIMUM, THE FOLLOWING:
   - PROVIDE STANDARD PUBLISHED MANUFACTURERS WARRANTIES, EXECUTED IN THE NAME OF THE OWNER, FOR ELEMENTS PROVIDED DURING CONSTRUCTION. SEE SPECIFICATIONS FOR ADDITIONAL WARRANTY REQUIREMENTS
   - COMPLETE RECORD DRAWINGS IN DIGITAL FORMAT
   - DIGITAL COPY OF SUBMITTALS
   - REFER TO SPECIFICATIONS FOR ADDITIONAL CLOSEOUT REQUIREMENTS
7. EXPOSED WELDS ON THE PROJECT THAT ARE VISIBLE FROM WALKING SURFACES AND STAIRS SHALL BE GROUND SMOOTH UNLESS STATED OTHERWISE.
8. RENDERED IMAGES AND 3D BIM CAPTURES IN THE CONSTRUCTION DOCUMENTS ARE ARTISTIC REPRESENTATIONS OF THE PROJECT AND ARE PROVIDED FOR GENERAL REFERENCE ONLY. DIFFERENCES MAY EXIST BETWEEN THESE ARTISTIC REPRESENTATIONS AND 2D REPRESENTATIONS IN THE CONTRACT DOCUMENTS. 2D REPRESENTATIONS TAKE PRECEDENCE.
9. PRODUCTS AND/OR SYSTEMS SPECIFIED OR DESCRIBED IN THE CONSTRUCTION DOCUMENTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR CODE REQUIREMENTS, WHICHEVER IS MORE STRINGENT. COORDINATE INSTALLATION OF PRODUCTS AND/OR SYSTEMS WITH ADJACENT PRODUCTS AND/OR SYSTEMS. THE INSTALLATION OF ADJACENT PRODUCTS AND/OR SYSTEMS SHALL NOT VOID THE INSTALLATION REQUIREMENTS AND/OR WARRANTY OF THE ADJACENT SYSTEM. OBTAIN PUBLISHED INSTALLATION INFORMATION FROM THE MANUFACTURER PRIOR TO EXECUTION OF WORK.
10. PROVIDE MATERIALS NECESSARY TO INSTALL PRODUCTS AND/OR SYSTEMS TO MEET MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION REQUIREMENTS AT EACH CONDITION. PROVIDE MATERIALS NECESSARY TO COMPLETE INTERFACE BETWEEN ADJACENT PRODUCTS AND/OR SYSTEMS. THIS INCLUDES MATERIALS NOT PART OF THE MANUFACTURER'S PRODUCT AND/OR SYSTEM THAT ARE REQUIRED FOR A COMPLETE AND CONTINUOUS INSTALLATION. MATERIALS AND INSTALLATION OF MATERIALS BETWEEN SPECIFIED PRODUCTS AND/OR SYSTEMS SHALL BE INSTALLED CONSISTENT WITH CONSTRUCTION STANDARDS FOR PROJECTS OF THIS TYPE AND SCOPE.
11. EXAMINE AND PREPARE SUBSTRATES TO RECEIVE INSTALLATION OF PRODUCTS AND/OR SYSTEMS PER MANUFACTURER'S REQUIREMENTS.
12. PRODUCTS AND/OR SYSTEMS TO BE PREPARED, INSTALLED, ADJUSTED, AND CLEANED PER MANUFACTURER'S RECOMMENDATIONS.
13. VERIFY EXISTING CONDITIONS, ELEVATIONS, LINES AND DIMENSIONS PRIOR TO COMMENCING WORK. REPORT DIMENSIONAL VARIATIONS OR OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK IN ACCORDANCE WITH REQUIREMENTS INDICATED IN THE CONSTRUCTION DOCUMENTS.
14. VISIT THE SITE OF THE WORK, COMPARE THE DRAWINGS AND SPECIFICATIONS WITH ANY WORK BEING PERFORMED. FAILURE TO VISIT THE SITE SHALL IN NO WAY RELIEVE CONTRACTOR FROM THE NECESSITY OF FURNISHING MATERIALS OR PERFORMING WORK THAT MAY BE REQUIRED TO COMPLETE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
15. WARRANTY WORK TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF CERTIFICATION OF SUBSTANTIAL COMPLETION, EXCEPT WHERE A DIFFERENT PERIOD IS SPECIFICALLY STATED.
16. NO WORK SHALL BE COMMENCED UNTIL WRITTEN APPROVAL IS RECEIVED FROM THE ENFORCEMENT AGENCY.
17. THE ARCHITECT SHALL NOT BE IN CONTROL OF, OR HAVE CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR ACTS OR OMISSIONS OF THE CONTRACTOR, AND SHALL NOT BE RESPONSIBLE FOR NEGLIGENCE OR FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. DISCREPANCIES OR CONFLICTS WITHIN CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE AFFECTED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND PROTECTION IN AND AROUND THE JOB SITE AND/OR ADJACENT PROPERTY. A COPY OF INSPECTION AND TEST REPORTS SHALL BE FORWARDED TO THE ARCHITECT. THE ARCHITECT SHALL BE NOTIFIED AT LEAST FIVE WORKING DAYS IN ADVANCE OF FIELD VISITS REQUESTED DURING CONSTRUCTION.
18. INSTALLER QUALIFICATIONS: A FIRM OR INDIVIDUAL EXPERIENCED IN INSTALLING, ERECTING, OR ASSEMBLING WORK SIMILAR IN MATERIAL, DESIGN, AND EXTENT TO THAT INDICATED FOR THIS PROJECT, AND WHOSE WORK HAS RESULTED IN CONSTRUCTION WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE.
19. IF COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED AND THE STANDARDS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITY OR QUALITY LEVELS, COMPLY WITH THE MOST STRINGENT REQUIREMENT.
20. CUTTING AND PATCHING: EMPLOY SKILLED AND EXPERIENCED INSTALLER TO PERFORM CUTTING AND PATCHING. SUBMIT WRITTEN REQUEST IN ADVANCE OF CUTTING OR ALTERING ELEMENTS AFFECTING STRUCTURAL INTEGRITY OF ELEMENT, EXECUTE CUTTING, FITTING, AND PATCHING INCLUDING EXCAVATION AND FILL, TO COMPLETE WORK, INCLUDING, BUT NOT LIMITED TO:
   - FIT SEVERAL PARTS TOGETHER, TO INTEGRATE WITH OTHER WORK.
   - UNCOVER WORK TO INSTALL OR CORRECT OUT OF SEQUENCE WORK.
   - REMOVE AND REPLACE DEFECTIVE AND NON-CONFORMING WORK.
   - REMOVE SAMPLES OF INSTALLED WORK FOR TESTING.
   - EXECUTE WORK BY METHODS TO AVOID DAMAGE TO OTHER WORK, AND TO PROVIDE PROPER SURFACES TO RECEIVE PATCHING AND FINISHING.
   - CUT MASONRY AND CONCRETE MATERIALS USING MASONRY SAW OR CORE DRILL.
   - MAINTAIN INTEGRITY OF WALL, CEILING, OR FLOOR CONSTRUCTION.
   - REFINISH SURFACES TO MATCH ADJACENT FINISHES.
   - REMOVE UNSUITABLE MATERIAL NOT MARKED FOR SALVAGE, INCLUDING ROTTED WOOD, CORRODED METALS, AND DETERIORATED MASONRY AND CONCRETE.
   - REMOVE DEBRIS AND ABANDONED ITEMS FROM AREA AND FROM CONCEALED SPACES.
   - REMOVE, CUT, AND PATCH WORK IN MANNER TO MINIMIZE DAMAGE AND TO PERMIT RESTORING PRODUCTS AND FINISHES TO ORIGINAL OR SPECIFIED CONDITION
21. PROTECT EXISTING VEGETATION, EQUIPMENT, STRUCTURES, UTILITIES, AND OTHER IMPROVEMENTS AT PROJECT SITE AND ON ADJACENT PROPERTIES, EXCEPT THOSE INDICATED TO BE REMOVED OR ALTERED. REPAIR DAMAGED EXISTING FACILITIES TO ORIGINAL CONDITION.
22. COORDINATE TEMPORARY UTILITY INSTALLATION AND SANITARY FACILITIES FOR USE DURING CONSTRUCTION WITH OWNER.
23. DISPOSAL OF WASTE: REMOVE WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN A MANNER ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. DO NOT ALLOW WASTE MATERIALS THAT ARE TO BE DISPOSED OF TO ACCUMULATE ON-SITE. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. DO NOT BURN WASTE MATERIALS.
24. FINAL CLEANING: PRIOR TO PROJECT FINAL COMPLETION, REMOVE DEBRIS AND SURFACE DUST, SWEEP HARD SURFACE FLOORS CLEAN, VACUUM CARPETS, LEAVE PROJECT IN CLEAN CONDITION.
25. THESE CONSTRUCTION DOCUMENTS ARE FOR THE EXCLUSIVE USE OF THE OWNER ON THIS PARTICULAR PROJECT. THE ARCHITECT SHALL NOT BE LIABLE FOR USE OF THE CONSTRUCTION DOCUMENTS BY ANOTHER PARTY FOR CONSTRUCTION OF ANY OTHER PROJECT. DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS FURNISHED BY THE ARCHITECT ARE INSTRUMENTS OF SERVICE. THE ARCHITECT AND OTHER DESIGN PROFESSIONALS FOR THIS PROJECT SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, IN THE INSTRUMENTS OF SERVICE PROVIDED BY THEM. SUBMISSION OR DISTRIBUTION OF THE ARCHITECT'S DOCUMENTS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR SIMILAR PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF ANY RESERVED RIGHTS.
26. MATERIALS, PRODUCTS, AND/OR SYSTEMS SHALL BE DELIVERED, HANDLED, AND STORED PER MANUFACTURERS RECOMMENDATIONS.
27. VERIFY DIMENSIONS OF EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS FOR AFFECTED WORK.
28. AT CLOSE OF PROJECT PROVIDE OWNER WITH ALL O&M MANUALS AND WARRANTIES IN 8-1/2" X 11" BINDER WITH CLEARLY ORGANIZED TABS. PROVIDE DIGITAL CLOSEOUT DOCUMENTS IF REQUIRED BY OWNER.
29. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SAFETY PLAN.

GENERAL DEMOLITION NOTES

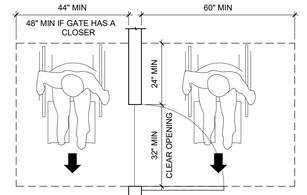
1. NOT ALL DEMOLITION REQUIREMENTS ARE SHOWN ON ANY ONE SPECIFIC PAGE OR PAGES. REFER TO OTHER CONSTRUCTION DOCUMENTS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
2. PROVIDE DEMOLITION AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF WORK INDICATED IN THE CONSTRUCTION DOCUMENTS.
3. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SIGNAGE, ETC. AS REQUIRED TO PROTECT THE GENERAL PUBLIC AND PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. PROVIDE ACCESS TO PERSONS APPROVED BY OWNER.
4. REPAIR OR REPLACE AT NO ADDITIONAL COST TO THE OWNER BUILDING OR SITE ELEMENTS OR APPURTENANCES THAT ARE DAMAGED OR DEMOLISHED BUT ARE NOT INDICATED TO BE DEMOLISHED. PREVENT DAMAGE TO EXISTING ITEMS THAT ARE TO REMAIN.
5. PROVIDE PROTECTION TO ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA.
6. VERIFY THAT THE OWNER'S REPRESENTATIVE AND FACILITY USERS HAVE REMOVED OBJECTS OF THEIR CHOICE PRIOR TO THE COMMENCEMENT OF THIS PROJECT. VERIFY WITH THE OWNERS REPRESENTATIVE BEFORE REMOVING ANY ITEMS LEFT IN THE DEMOLITION AREA. OWNER RESERVES THE RIGHT OF FIRST REFUSAL TO RETAIN ITEMS INDICATED TO BE DEMOLISHED. DEMOLISHED ITEMS SHALL BE DISPOSED OF PROPERLY IN ACCORDANCE WITH THE SPECIFICATIONS. PRIOR TO DEMOLITION, VERIFY WITH OWNER ITEMS TO BE SALVAGED.
7. ENSURE AREAS OF WORK ARE CLEAN UPON COMPLETION OF DEMOLITION. DEBRIS REMOVED DURING DEMOLITION SHALL BE DISPOSED OF IN A SAFE AND LEGAL MANNER.
8. REMOVE ABANDONED PIPING, WIRING, EQUIPMENT, ETC. ENCOUNTERED DURING THE COURSE OF DEMOLITION BACK TO THE SCOPE OF WORK BOUNDARY UNLESS OTHERWISE NOTED.
9. HAZARDOUS MATERIALS ABATEMENT WORK SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND THE OWNER. THE ARCHITECT IS NOT RESPONSIBLE FOR SPECIFYING REQUIREMENTS FOR, OR CONSTRUCTION OBSERVATION OF, HAZARDOUS MATERIALS ABATEMENT WORK. THE OWNER SHALL PROVIDE SEPARATE DOCUMENTS REQUIRED FOR HAZARDOUS MATERIALS ABATEMENT WORK AND SEPARATE CONSTRUCTION OBSERVATION OF HAZARDOUS MATERIALS ABATEMENT WORK. CONTACT OWNER FOR ADDITIONAL INFORMATION.
10. VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION AND/OR CONSTRUCTION AND COORDINATE WITH REQUIREMENTS INDICATED ON THE DRAWINGS TO DETERMINE EXTENT OF DEMOLITION REQUIRED.
11. WHEN UNFORESEEN CONDITIONS THAT DEVIATE FROM THE CONSTRUCTION DOCUMENTS ARE ENCOUNTERED, PROMPTLY NOTIFY ARCHITECT OF EXTENT OF DEVIATIONS.
12. SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED FACILITIES.
13. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY CONSTRUCTION AND AS INDICATED ON DRAWINGS.
14. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJACENT CONSTRUCTION.
15. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING, TO MINIMIZE DAMAGE TO ADJACENT CONSTRUCTION. TEMPORARILY COVER OPENINGS TO REMAIN.
16. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES TO AVOID DAMAGING EXISTING FINISHED SURFACES.
17. REMOVE DECAYED, VERMIN-INFESTED, DANGEROUS, OR UNSUITABLE MATERIALS AND PROMPTLY DISPOSE OF OFF-SITE.
18. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS DAILY.
19. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE DEMOLITION OPERATIONS BEGAN.
20. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SAFETY PLAN.



FRONT APPROACH GATE CLEARANCES, TYP



HINGE APPROACH GATE CLEARANCES, TYP



LATCH APPROACH GATE CLEARANCES, TYP

NOTE: AREA MUST NOT EXCEED A SLOPE OF 2% IN ANY DIRECTION

1 ACCESSIBLE GATE CLEARANCES
1/2" = 1'-0"

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LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

LICENSED ARCHITECT
JENNIFER MARIE QUIGLEY
C84138
REN. 11-30-25
STATE OF CALIFORNIA

PROJECT
LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47th Ave.; Sacramento, CA 95824

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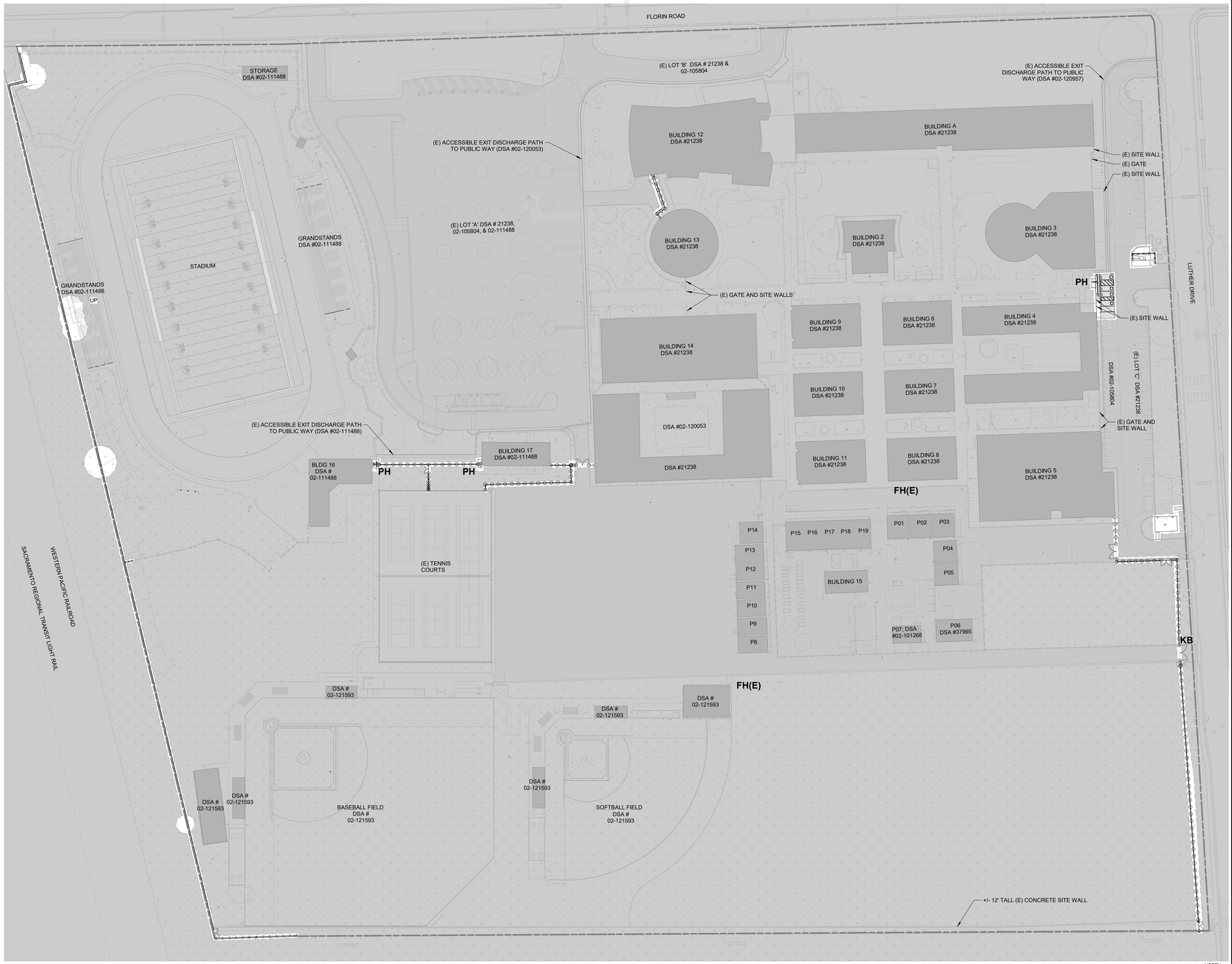
TITLE
GENERAL NOTES & ACCESSIBLE GATE DETAIL

SHEET
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0 1/4" 1/2" 1"



1 SITE PLAN - LIFE SAFETY & CODE ANALYSIS

SCALE 1" = 60'-0"

NORTH

GENERAL NOTES

1. SEE SHEET GA101 FOR ACCESSIBLE PATH OF TRAVEL
2. ANY DIMENSIONS GIVEN TO ASSUMED PROPERTY LINE ARE FOR CODE ANALYSIS PURPOSES ONLY AND SHALL NOT BE USED TO LOCATE BUILDINGS FOR STAKING PURPOSES. SEE CIVIL DRAWINGS FOR EXACT BUILDING LOCATIONS
3. SEE AS101 FOR GROUND COVER LEGEND, FENCE TYPES, AND GATE NUMBERS

LEGEND

- EXIT DISCHARGE PATH TO PUBLIC WAY / SAFE DISPERSAL AREA (ACCESSIBLE)
- (E) EXIT DISCHARGE PATH TO PUBLIC WAY / SAFE DISPERSAL AREA (ACCESSIBLE)
- PROPERTY LINE
- SCOPE OF WORK
- (E) BUILDING LOCATION (NOT IN SCOPE)
- PH — PANIC HARDWARE
- VINYL CHAIN LINK FENCING W/SLATS
- DECORATIVE FENCING
- DECORATIVE FENCING W/ MOW STRIP
- HIGH-SECURITY FENCING W/ MOW STRIP
- (E) CHAIN LINK FENCING TO REMAIN
- (E) DECORATIVE FENCING TO REMAIN
- (E) GATE
- GATE

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Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

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JENNIFER MARIE QUIGLEY
C84138
REN. 11-30-25
STATE OF CALIFORNIA

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3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT

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TITLE

LIFE SAFETY & CODE ANALYSIS - SITE PLAN

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1 SITE PLAN - FIRE ACCESS

SCALE 1" = 60'-0"

NORTH

GENERAL NOTES

1. SEE SHEET GA101 FOR ACCESSIBLE PATH OF TRAVEL
2. ANY DIMENSIONS GIVEN TO ASSUMED PROPERTY LINE ARE FOR CODE ANALYSIS PURPOSES ONLY AND SHALL NOT BE USED TO LOCATE BUILDINGS FOR STAKING PURPOSES. SEE CIVIL DRAWINGS FOR EXACT BUILDING LOCATIONS
3. SEE AS101 FOR GROUND COVER LEGEND, FENCE TYPES, AND GATE NUMBERS

LEGEND

- PROPERTY LINE
- SCOPE OF WORK
- (E) BUILDING LOCATION (NOT IN SCOPE)
- (E) FIRE APPARATUS ACCESS ROAD (DSA #02-120957)
- **KB(E)** (E) KNOX BOX TO REMAIN
- **KB** KNOX BOX
- **FH(E)** (E) FIRE HYDRANT TO REMAIN

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P 916.558.1900
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PROJECT
LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
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TITLE
FIRE ACCESS SITE PLAN

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0 1/4" 1/2" 1"



1 SITE PLAN - ACCESSIBLE

SCALE 1" = 60'-0"

NORTH

GENERAL NOTES

1. SEE SHEET **GL101** FOR FIRE SITE ACCESS PLAN.
2. ANY DIMENSIONS GIVEN TO ASSUMED PROPERTY LINE LOCATIONS ARE FOR CODE ANALYSIS PURPOSES ONLY AND SHALL NOT BE USED TO LOCATE BUILDINGS FOR STAKING PURPOSES. SEE CIVIL DRAWINGS FOR EXACT BUILDING LOCATIONS.
3. ALL GATES ALONG SITE PATH OF TRAVEL SHALL COMPLY WITH CBC 1008.2.
4. ALL WALK SURFACES IN PATH OF TRAVEL SHALL HAVE FLUSH TRANSITIONS TO ALL ADJACENT WALK SURFACES IN PATH OF TRAVEL.
5. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:12 MAXIMUM SLOPE OR VERTICAL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" WIDE SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH, CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO MIN 80" AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT AND CONTRACTORS SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
6. THE PATH OF TRAVEL IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE PATH OF TRAVEL WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTION OF THE PATH OF TRAVEL THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTION OF HE PATH OF TRAVEL THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
7. DURING CONSTRUCTION, IF PATH OF TRAVEL ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
8. SEE AS101 FOR GROUND COVER LEGEND, FENCE TYPES, AND GATE NUMBERS

LEGEND

- ACCESSIBLE PATH OF TRAVEL
- (E) ACCESSIBLE PATH OF TRAVEL (SEE APPLICABLE DSA APP# FOR PREVIOUS APPROVAL)
- PROPERTY LINE AND LIMITS OF ARCHITECTURAL SCOPE OF WORK
- SCOPE OF WORK
- (E) BUILDING LOCATION (NOT IN SCOPE)

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Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

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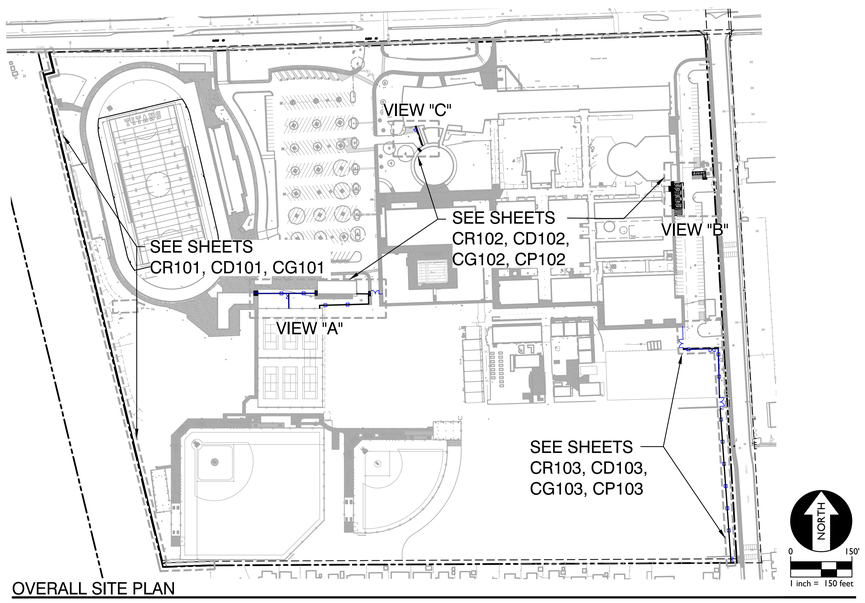
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TITLE
ACCESSIBILITY SITE PLAN

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OVERALL SITE PLAN

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CJ	CONTROL JOINT
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EJ	EXPANSION JOINT
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GB	GRADE BREAK
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PAD	BUILDING PAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SP	FIRE SPRINKLER SERVICE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/	WITH
W/O	WITHOUT
WV	WATER VALVE

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

- 8" SD — STORM DRAIN LINE (SIZE AND FLOW SHOWN)
- STORM DRAIN MANHOLE (SDMH)
- CATCH BASIN (CB)
- DROP INLET (DI)
- AREA DRAIN (AD)
- PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
- CO — STORM DRAIN CLEANOUT
- 99.99 — ELEVATION
- FF=100.00 — FINISHED FLOOR ELEVATION
- PAD=99.33 — BUILDING PAD ELEVATION
- CONCRETE SIDEWALK
- GRADED DIRECTION FOR DRAINAGE FLOW
- SWALE
- SLOPE
- TREE TO BE REMOVED
- RETAINING WALL

PROPOSED SANITARY SEWER SYMBOLS:

- 6" SS — SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
- SANITARY SEWER MANHOLE (SSMH)
- CO — SEWER CLEANOUT FLUSHER BRANCH

PROPOSED WATER SYMBOLS:

- 8" W — WATER LINE & SIZE
- 8" FS — FIRE LINE & SIZE
- 8" DW — DOMESTIC WATER LINE & SIZE
- 8" RW — RECLAIMED WATER LINE & SIZE
- 8" IRR — IRRIGATION SERVICE LINE & SIZE
- 8" NP — NON POTABLE WATER LINE & SIZE
- 8" SP — FIRE SPRINKLER SERVICE LINE & SIZE
- GATE VALVE
- M — WATER METER
- FH — FIRE HYDRANT ASSEMBLY
- FDC — FIRE DEPARTMENT CONNECTION
- DC — DETECTOR CHECK VALVE
- DDC — DOUBLE DETECTOR CHECK VALVE
- RP — REDUCED PRESSURE BACKFLOW PREVENTER
- BUTTERFLY VALVE
- 1" — AIR RELEASE VALVE + SIZE
- 1" — BLOW-OFF VALVE + SIZE
- PIV — POST INDICATOR VALVE

SHEET INDEX

C011	CIVIL GENERAL NOTES AND ABBREVIATIONS
CR101	TOPOGRAPHIC SURVEY
CR102	TOPOGRAPHIC SURVEY
CR103	TOPOGRAPHIC SURVEY
CD101	DEMOLITION PLAN
CD102	DEMOLITION PLAN
CD103	DEMOLITION PLAN
CG101	GRADING PLAN
CG102	GRADING PLAN
CG103	GRADING PLAN
CP102	PAVING, STRIPING AND SIGNAGE PLAN
CP103	PAVING PLAN
C501	DETAILS AND SECTIONS

GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.

811 Know what's below. Call before you dig.

2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.
24. AT LIMITS OF NEW PAVEMENT OR CURBS ADJACENT TO LANDSCAPING PROVIDE A 4:1 MINIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
37. TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE.
38. WITHIN LIMITS OF WORK THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.
39. GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.
40. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
41. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
42. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
43. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH 2 COATS OF SEALCOAT.
43. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
44. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
45. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT ELEVATIONS. 0.0% MAX.
46. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
47. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

    CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL - 1.9%
    DIRECTION OF TRAVEL - 4.9%
    RAMP IN DIRECTION OF TRAVEL - 8.0%
    PLAZA 1.9% - IN ANY DIRECTION
48. THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1% MINIMUM AND 2% MAXIMUM.
49. TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY CURB OR STEP.

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LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
P. 916.558.1900
www.lionakis.com
CONSULTANT

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74586 STATE OF CALIFORNIA

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

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PROJECT
LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47th Ave Sacramento, CA 95824

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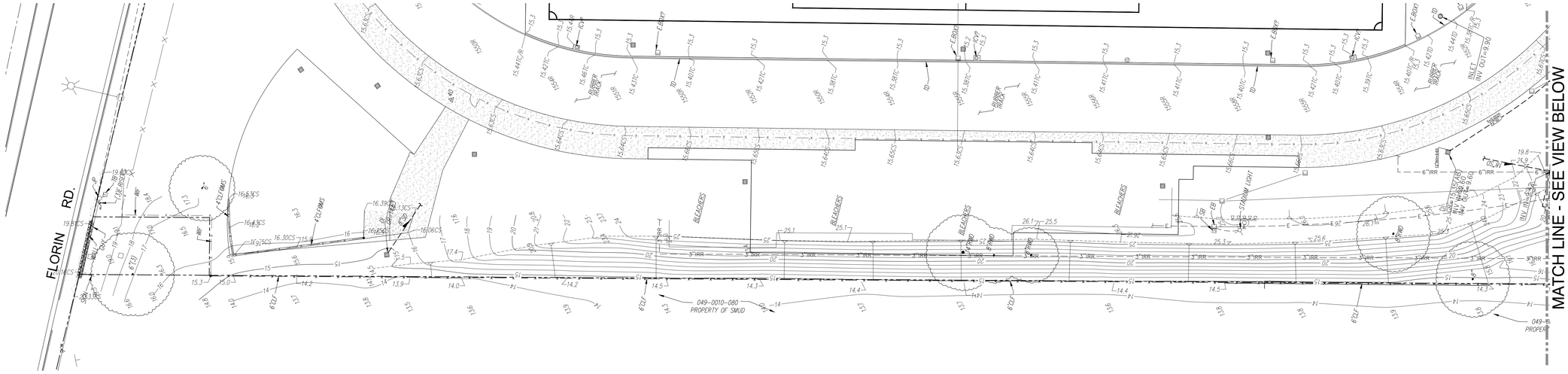
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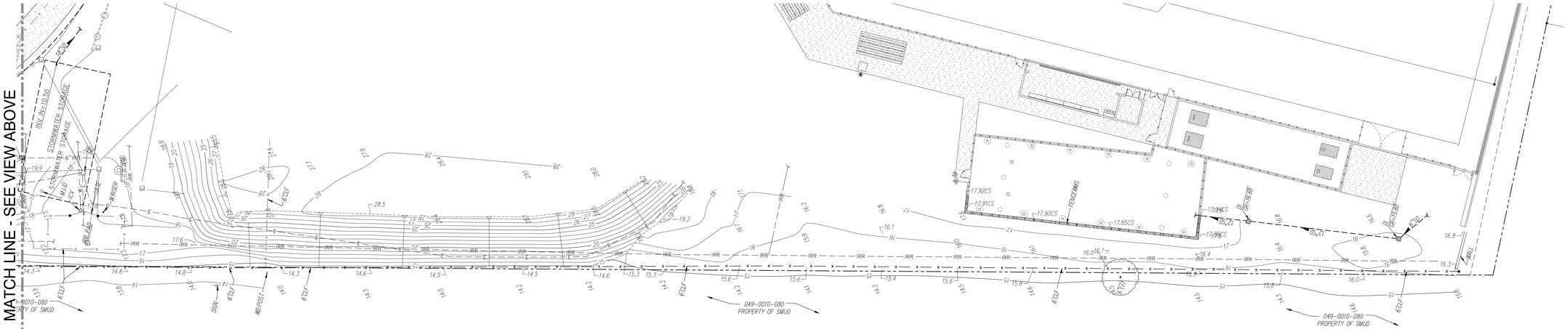
CIVIL GENERAL NOTES AND ABBREVIATIONS

SHEET

C011

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EXISTING TOPOGRAPHY

- = PROPERTY LINE
- = CENTERLINE
- = EASEMENT
- = PROPERTY CORNER FOUND AS NOTED
- = PROPERTY CORNER NOTHING FOUND OR SET
- 123 = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- = TREE (SIZE/TYPE INDICATED)
- = SLOPE
- 100 = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- = SIGN
- = POST OR BOLLARD
- 99.9 = GROUND ELEVATION
- 99.99 = HARD SURFACE ELEVATION

EXISTING UTILITIES

- 12"SD = STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)
- 12"SD = STORM DRAIN LINE (RECORD INFORMATION)
- 12"SD = STORM DRAIN LINE (UNDERGROUND LOCATING)
- SD = STORM DRAIN MANHOLE
- = STORM DRAIN CLEANOUT
- = DROP INLET
- = AREA DRAIN
- RWL = RAIN WATER LEADER
- DS = DOWNSPOUT
- 12"SS = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- 12"SS = SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- SS = SANITARY SEWER MANHOLE
- = SANITARY SEWER CLEANOUT
- —W— = WATER LINE (SIZE INDICATED)
- - -W- - = WATER LINE (RECORD INFORMATION)
- — W — = WATER LINE (UNDERGROUND LOCATING)
- W = WATER MANHOLE
- = WATER VALVE
- = WATER METER
- = WATER BOX
- = IRRIGATION CONTROL VALVE
- = FIRE HYDRANT
- = BACKFLOW PREVENTER
- = SPRINKLER
- = HOSE BIBB
- —OH—E— = OVERHEAD ELECTRIC LINE
- —E— = UNDERGROUND ELECTRIC LINE
- - -E- - = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- — E — = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- E = ELECTRIC MANHOLE
- = UTILITY POLE (WITH GUY WIRE)
- = ELECTRIC METER
- = ELECTRIC BOX
- = STREET LIGHTING BOX
- OR = LIGHT STANDARD
- = SIGNAL LIGHT
- = FLOOD LIGHT
- = ELECTRICAL OUTLET
- —G— = GAS LINE (SIZE INDICATED)
- - -G- - = GAS LINE (RECORD INFORMATION)
- — G — = GAS LINE (UNDERGROUND LOCATING)
- G = GAS MANHOLE
- = GAS VALVE
- = GAS METER
- —t— = TELEPHONE LINE
- - -t- - = TELEPHONE LINE (RECORD INFORMATION)
- — t — = TELEPHONE LINE (UNDERGROUND LOCATING)
- = STORM DRAIN BOX
- = TRAFFIC SIGNAL BOX

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
18	CPS CHISELED "+"	5174.18	10245.30	15.90
38	CPS CHISELED "+"	4840.68	10041.72	17.92
40	CPS CHISELED "+"	5717.62	9866.47	15.48

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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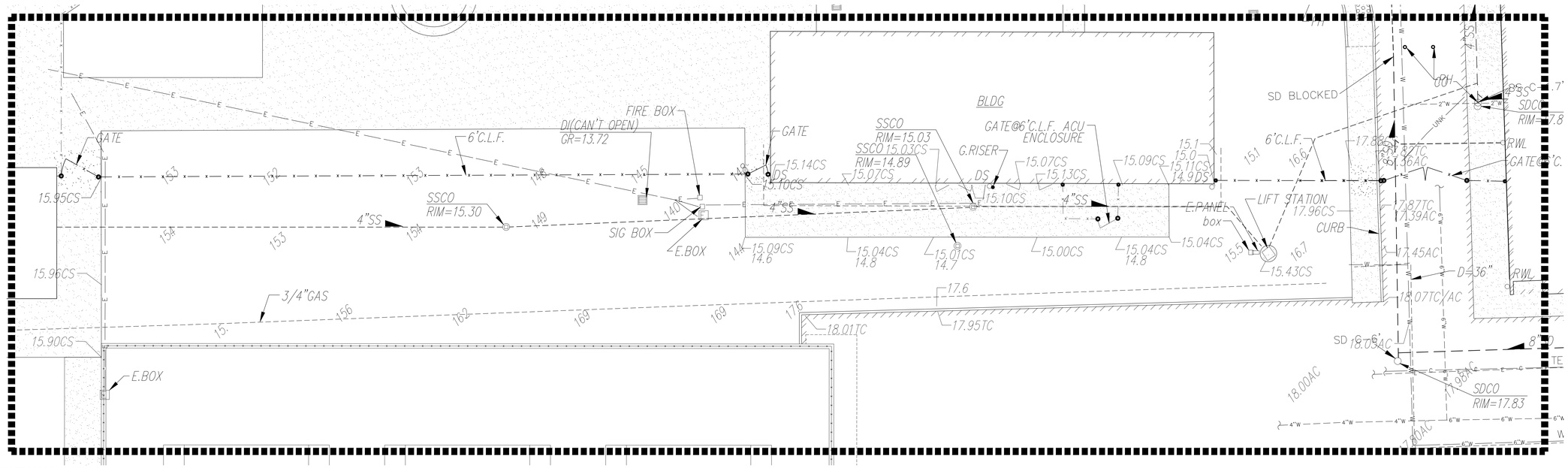
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TOPOGRAPHIC SURVEY

SHEET

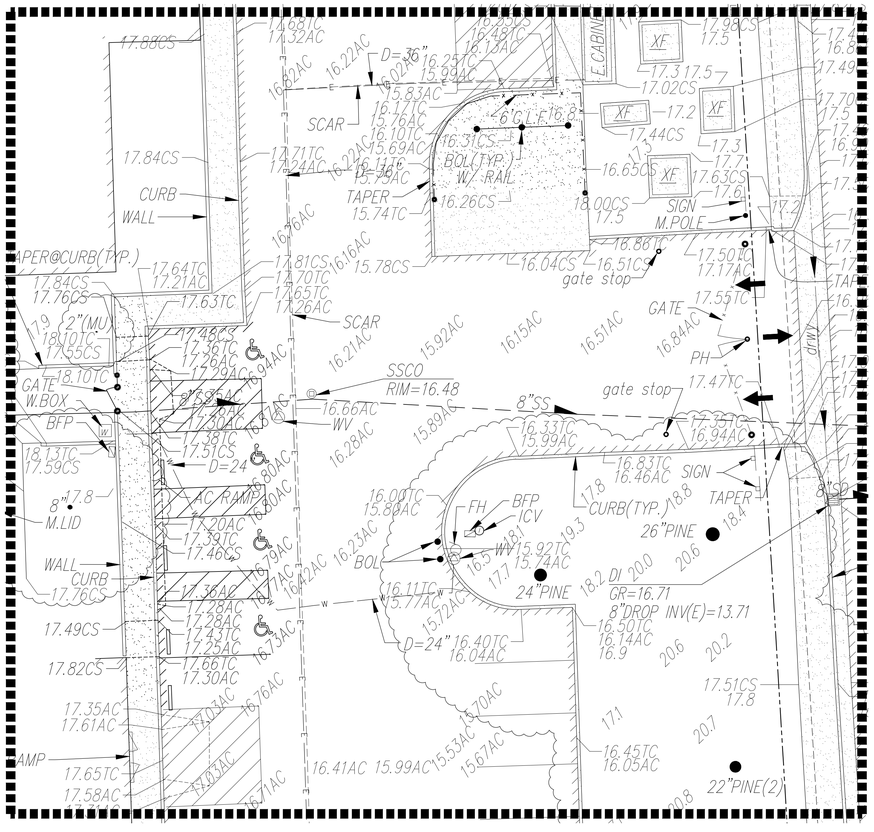
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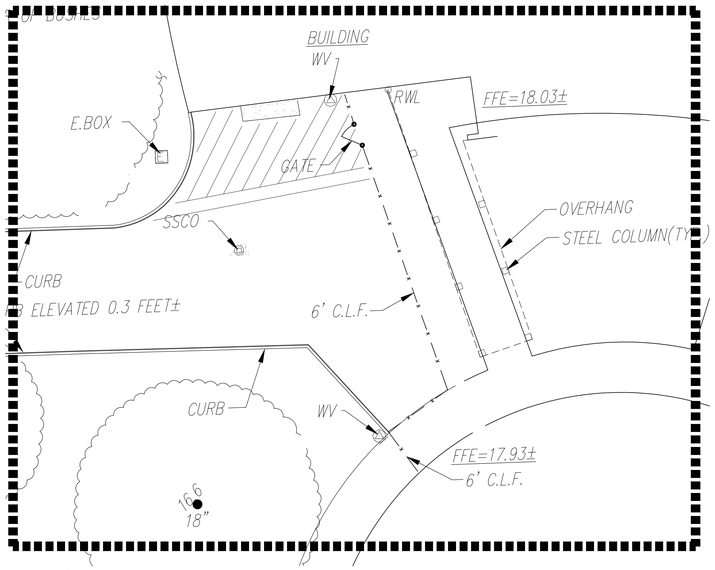
VIEW "A"

SCALE 1"=10'



VIEW "B"

SCALE 1"=10'



VIEW "C"

SCALE 1"=10'

GRAPHIC SCALE

10' 0 5' 10' 20'

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TOPOGRAPHIC SURVEY

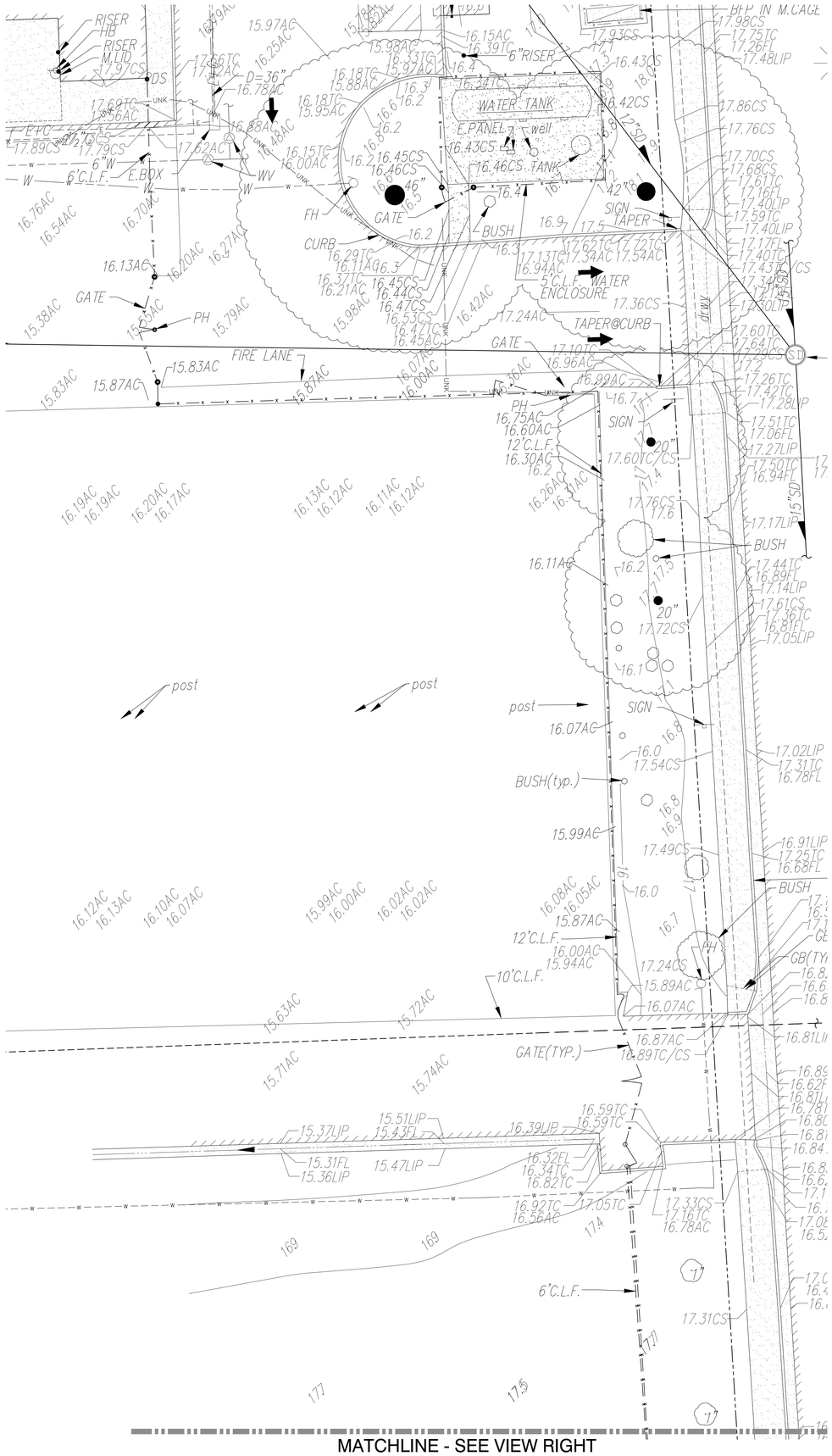
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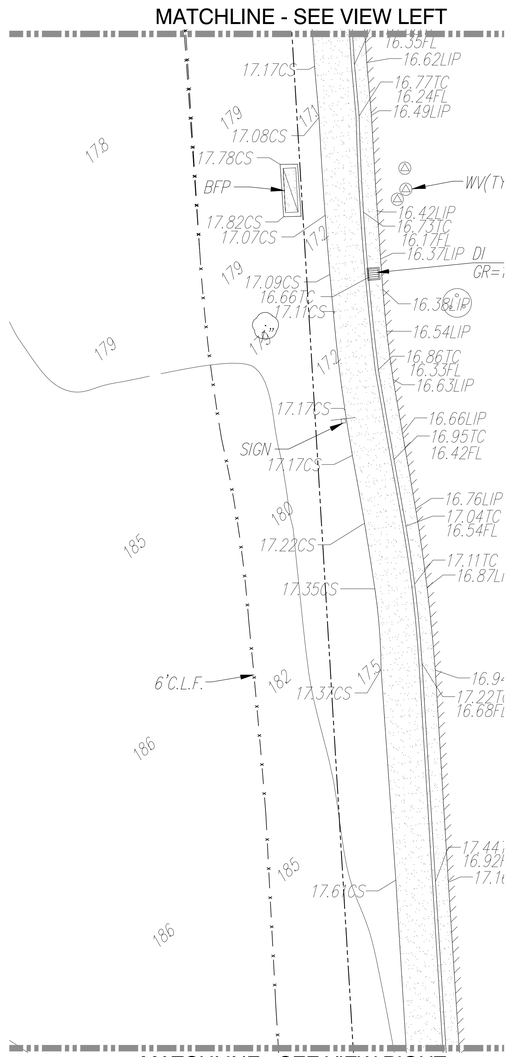
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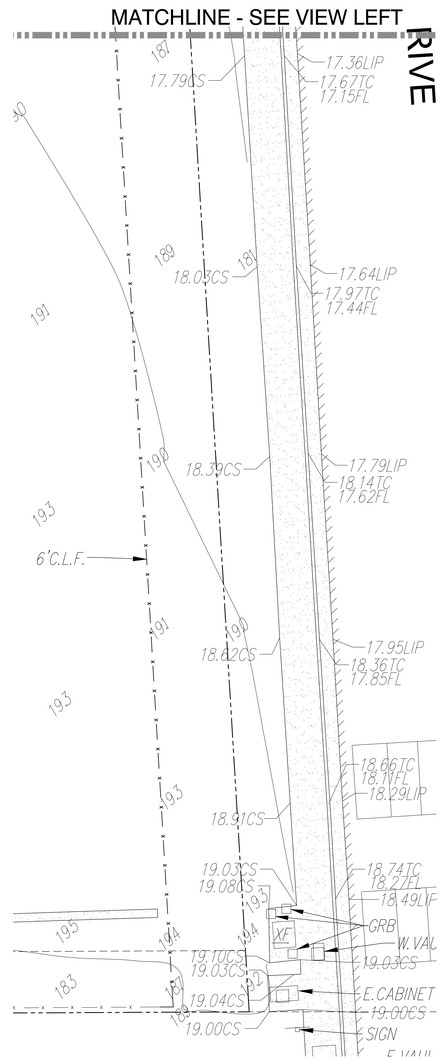
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DATE: 08/08/2025

LIONAKIS

2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74626
STATE OF CALIFORNIA

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

SEAL

PROJECT

LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47th Ave Sacramento, CA 95824

ISSUED

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DSA	06/18/2025	DSA APPROVAL

MANAGEMENT

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AGENCY

TITLE

TOPOGRAPHIC SURVEY

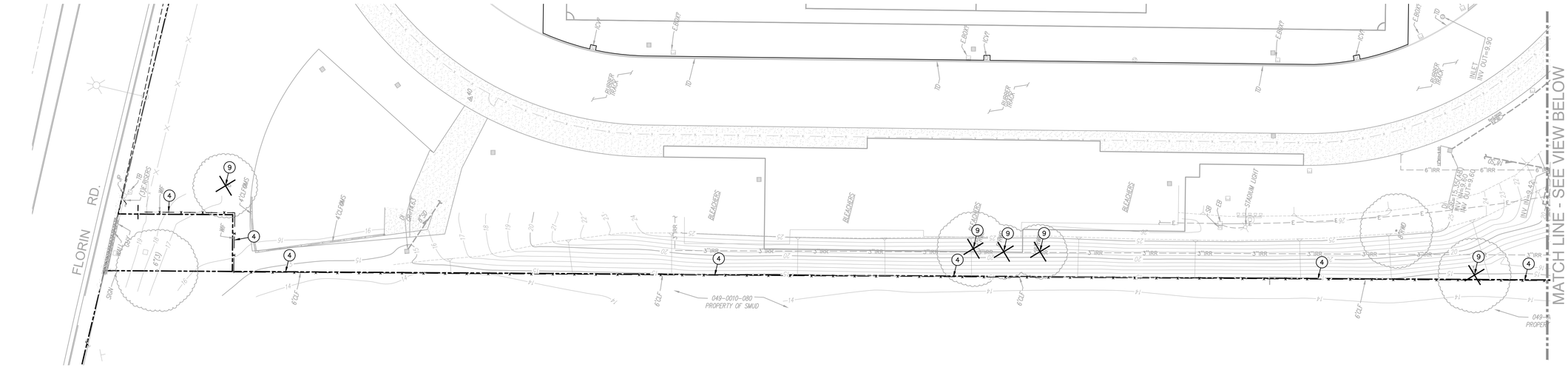
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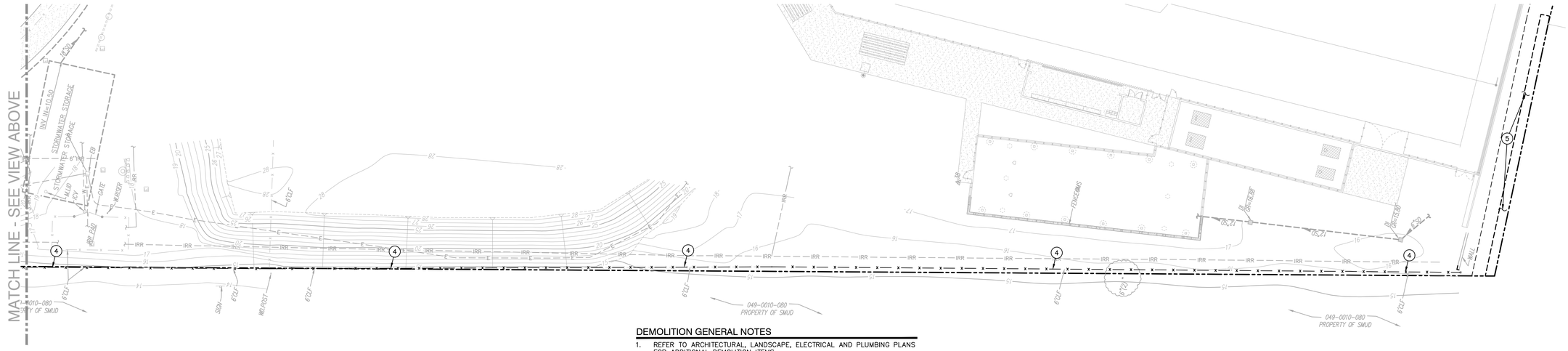
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DEMOLITION GENERAL NOTES

1. REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
6. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
7. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
9. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
10. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
11. PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
12. WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
13. COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.

DEMOLITION NOTES

4. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, POSTS, GATES AND ASSOCIATED FOOTINGS.
5. REMOVE AND DISPOSE OF EXISTING TURF/VEGETATION AND ASSOCIATED IRRIGATION/SPRINKLERS IN CONFLICT WITH NEW WORK.
9. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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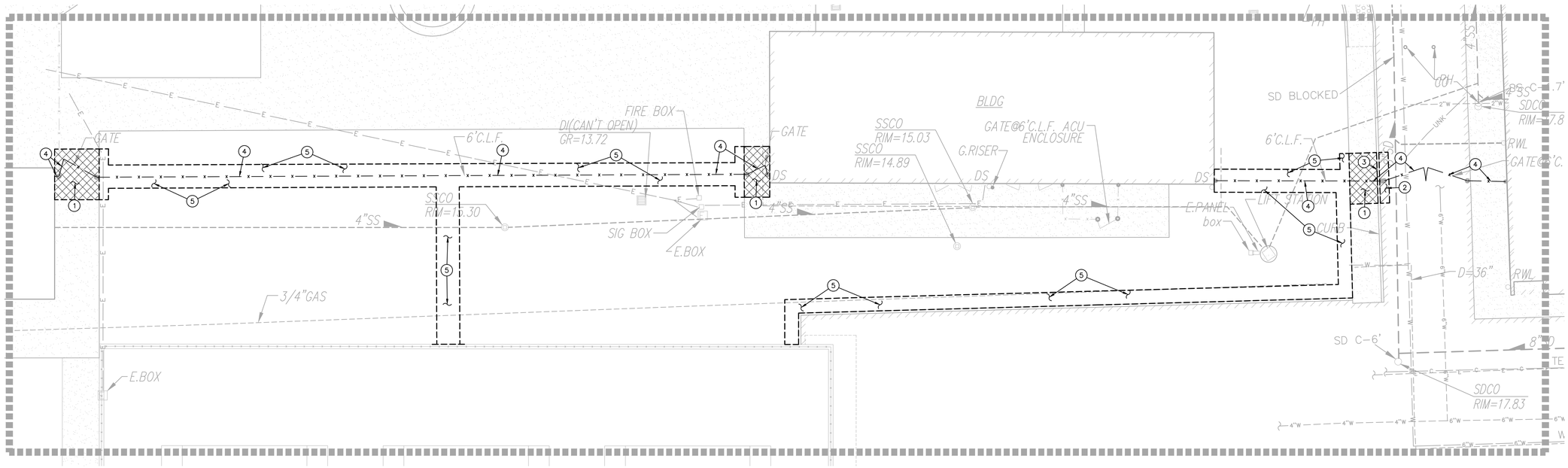
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DEMOLITION PLAN

SHEET

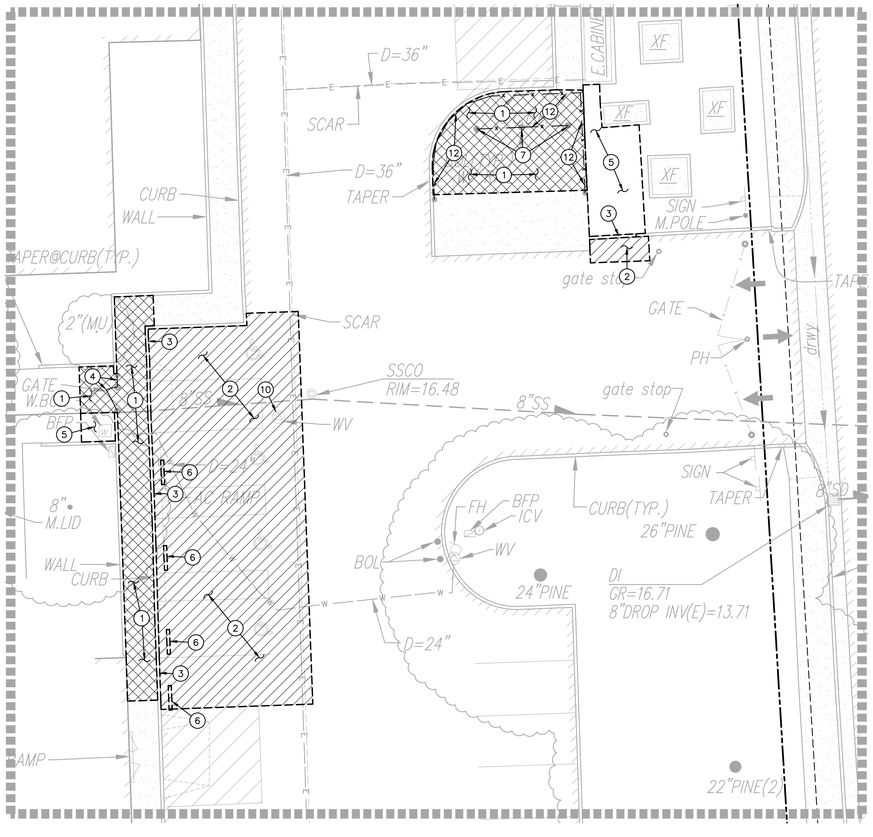
CD101

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VIEW "A"

SCALE 1"=10'



VIEW "B"

SCALE 1"=10'

VIEW "C"

SCALE 1"=10'

DEMOLITION NOTES

1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
2. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
3. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB TO EXTENT SHOWN.
4. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, POSTS, GATES AND ASSOCIATED FOOTINGS.
5. REMOVE AND DISPOSE OF EXISTING TURF/VEGETATION AND ASSOCIATED IRRIGATION/SPRINKLERS IN CONFLICT WITH NEW WORK.
6. REMOVE AND DISPOSE OF EXISTING WHEEL STOP.
7. REMOVE AND DISPOSE OF EXISTING BOLLARD. CUT FLUSH WITH SURFACE AND GROUT FILL HOLE.
10. REMOVE EXISTING UTILITY BOX AND/OR FRAME AND COVER AND PROVIDE NEW. NEW BOX SHALL BE SIMILAR IN SIZE, BUT WITH TRAFFIC RATING AND SLIP RESISTANT COVER.
12. CUT POSTS FLUSH WITH SURFACE. REMOVE AND DISPOSE OF EXISTING FENCE, POSTS, GATES AND ASSOCIATED HARDWARE. GROUT FILL POST HOLE TO BE FLUSH WITH SURFACE.

GRAPHIC SCALE

10' 0 5' 10' 20'

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DEMOLITION PLAN

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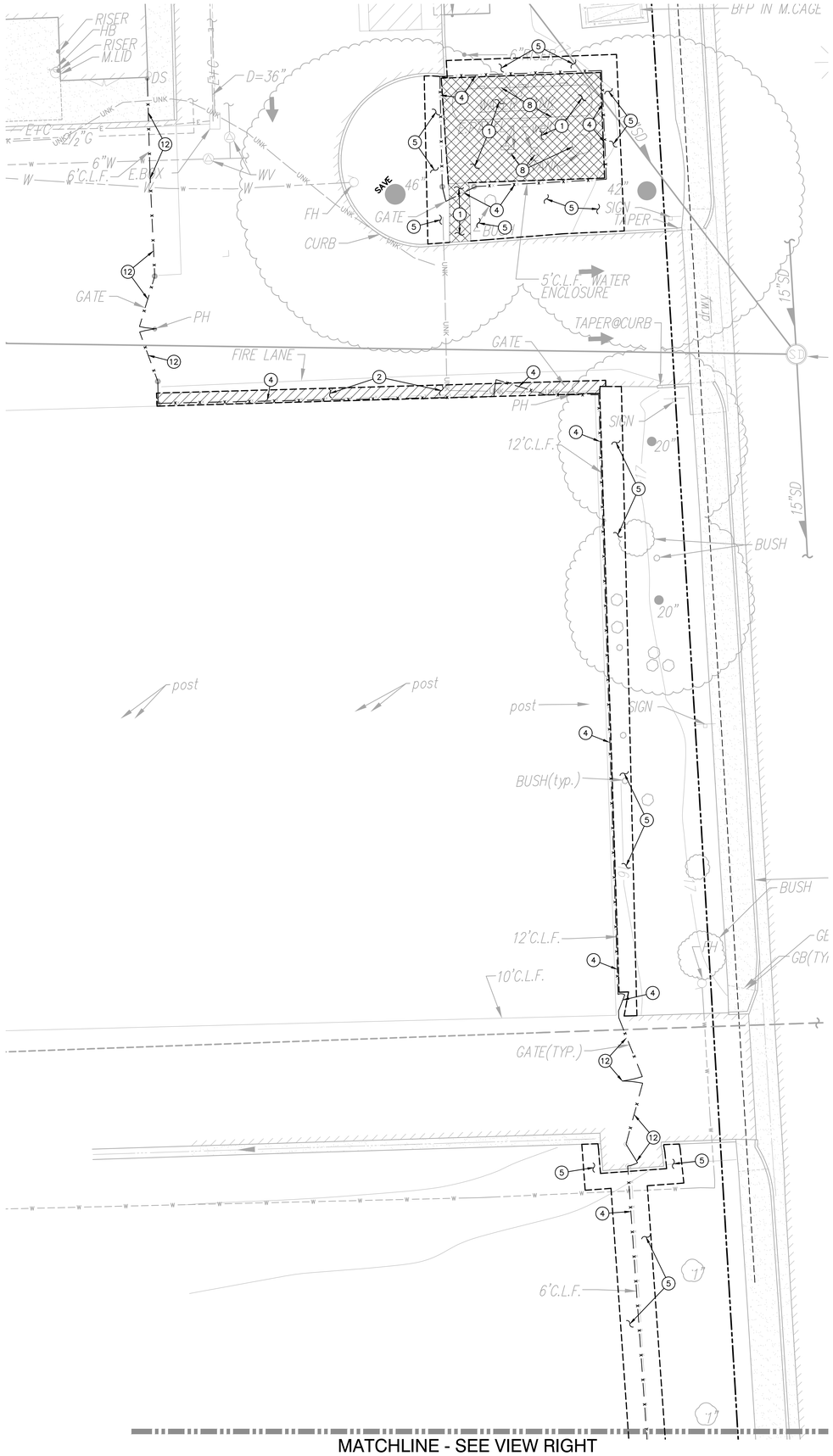
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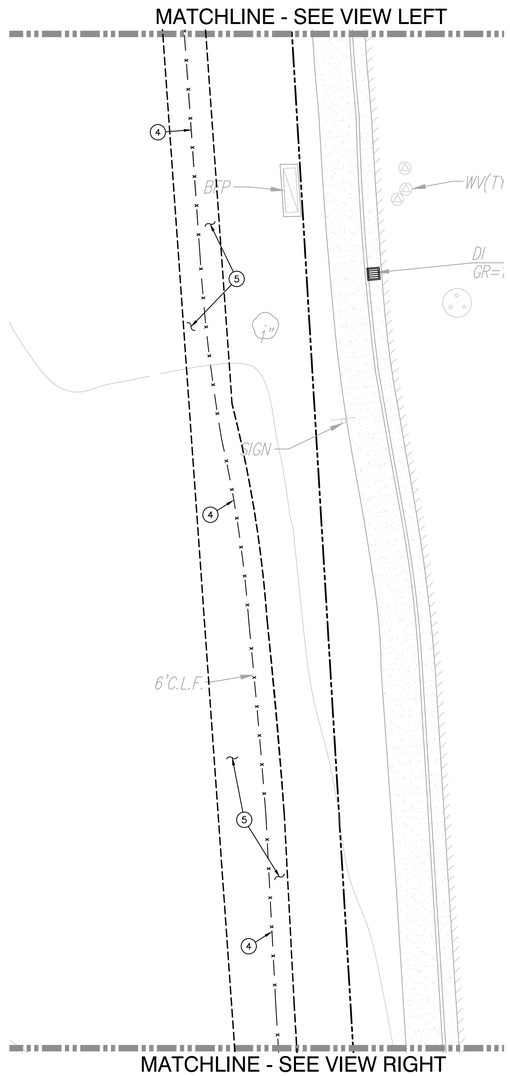
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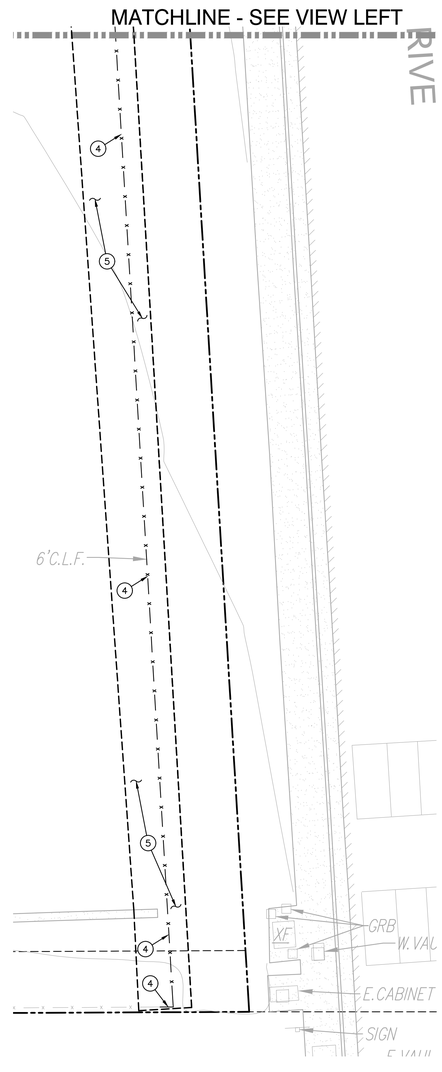
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8. REMOVE AND DISPOSE OF EXISTING UTILITY STRUCTURES.
12. CUT POSTS FLUSH WITH SURFACE. REMOVE AND DISPOSE OF EXISTING FENCE, POSTS, GATES AND ASSOCIATED HARDWARE. GROUT FILL POST HOLE TO BE FLUSH WITH SURFACE.

GRAPHIC SCALE
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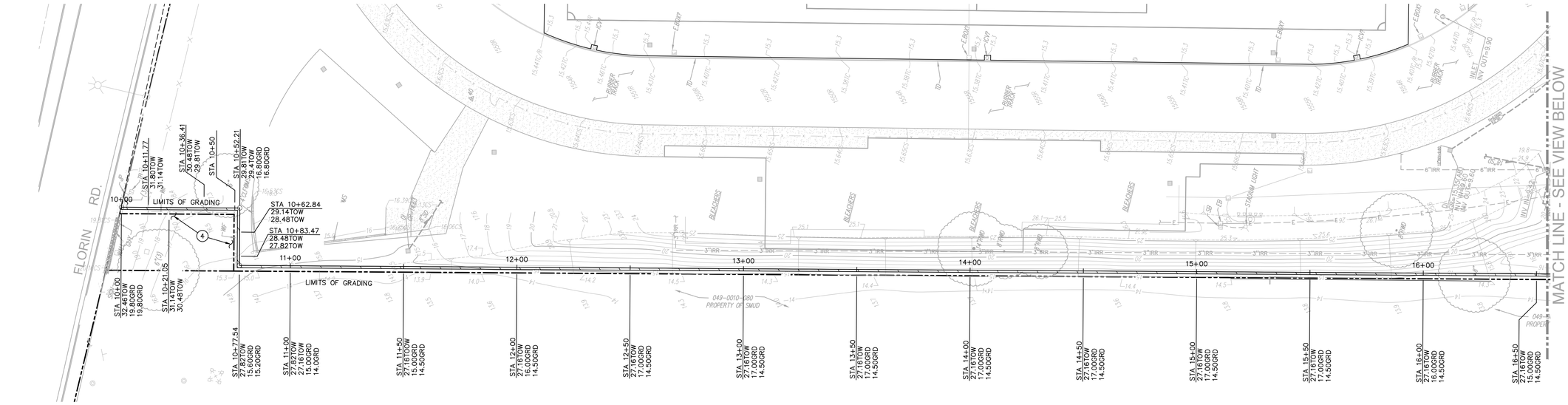
DEMOLITION PLAN

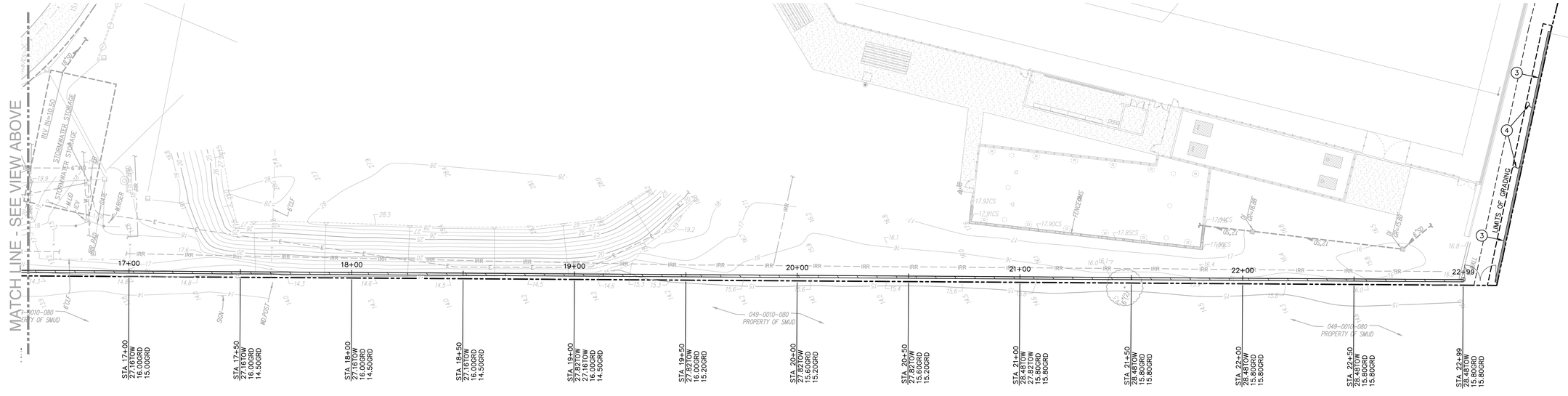
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GRADING NOTES

3. CONSTRUCT 12" WIDE CONCRETE BAND PER (5/C501)
4. TURF/MULCH DAMAGED AND/OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH SOD AND/OR MATCHING MULCH. SPRINKLERS REMOVED/DAMAGED SHALL BE REPLACED TO ALLOW FOR PROPER IRRIGATION COVERAGE.

GRAPHIC SCALE

20' 0 10' 20' 40'

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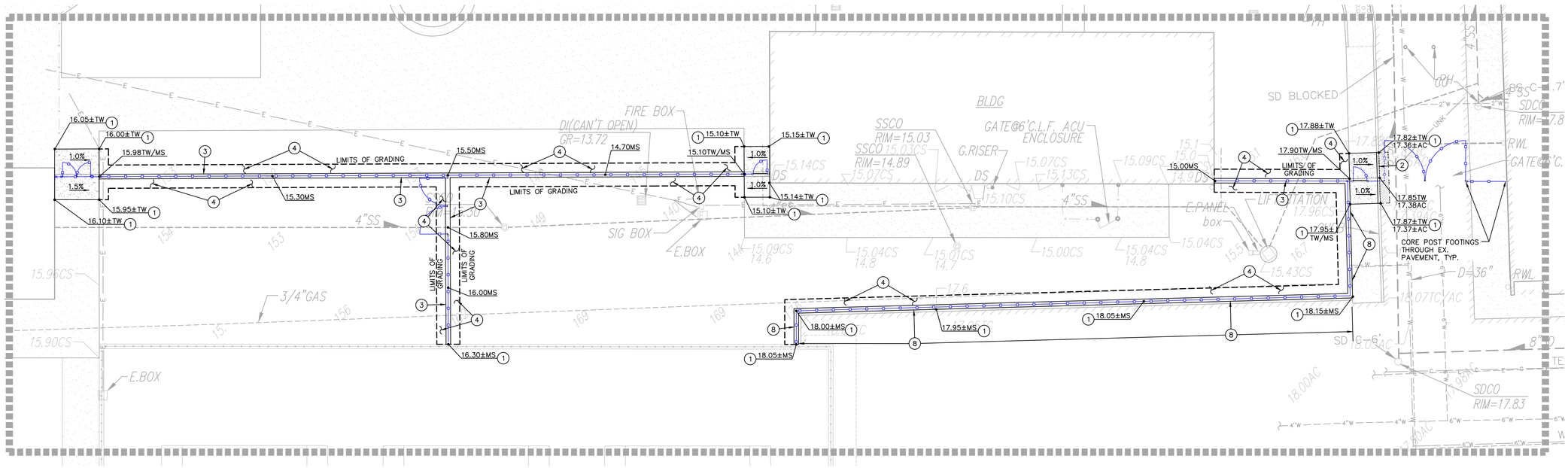
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GRADING PLAN

SHEET

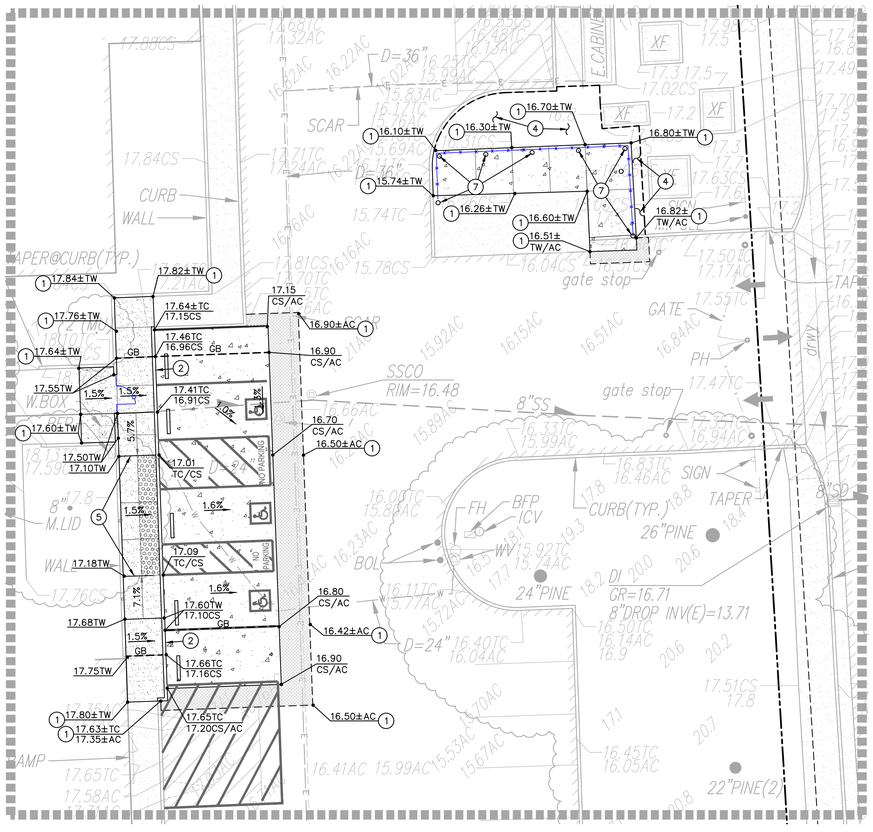
CG101

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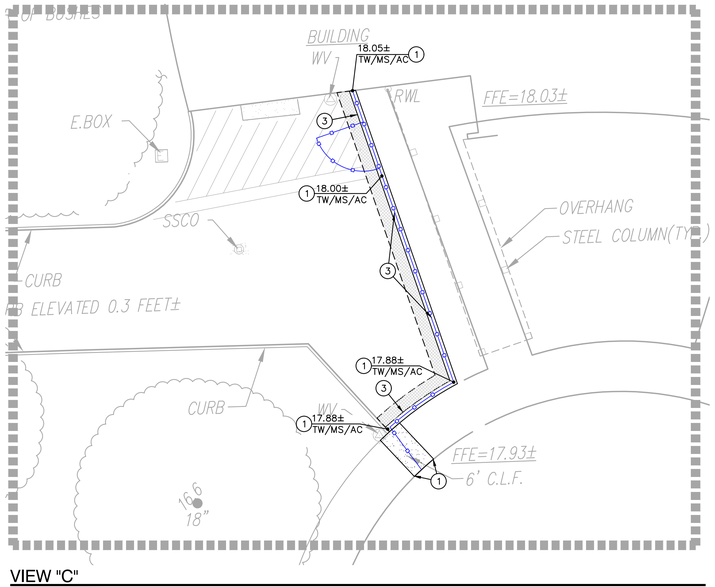
VIEW "A"

SCALE 1"=10'



VIEW "B"

SCALE 1"=10'



VIEW "C"

SCALE 1"=10'

SUBGRADE PREPARATION

1. FOLLOWING SITE DEMOLITION ACTIVITIES:

   FOR AREAS TO RECEIVE CONCRETE AND ASPHALT PAVING, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 8 INCHES, MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D1557 TEST METHOD. UPPER 8 INCHES OF SUBGRADE BENEATH ASPHALT PAVEMENT SHALL BE COMPACTED TO 95 PERCENT.

GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE CURB PER (2 / C501)
3. CONSTRUCT 12" WIDE CONCRETE BAND PER (5 / C501)
4. TURF/MULCH DAMAGED AND/OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH SOD AND/OR MATCHING MULCH. SPRINKLERS REMOVED/DAMAGED SHALL BE REPLACED TO ALLOW FOR PROPER IRRIGATION COVERAGE.
5. CONSTRUCT ACCESSIBLE CURB RAMP PER (3 / C501)
7. PLACE PROTECTIVE BOLLARD PER (6 / C501)
8. CONSTRUCT 12" WIDE X 18" DEEP CONCRETE BAND PER (7 / C501)

GRAPHIC SCALE

10' 0 5' 10' 20'

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GRADING PLAN

SHEET

CG102

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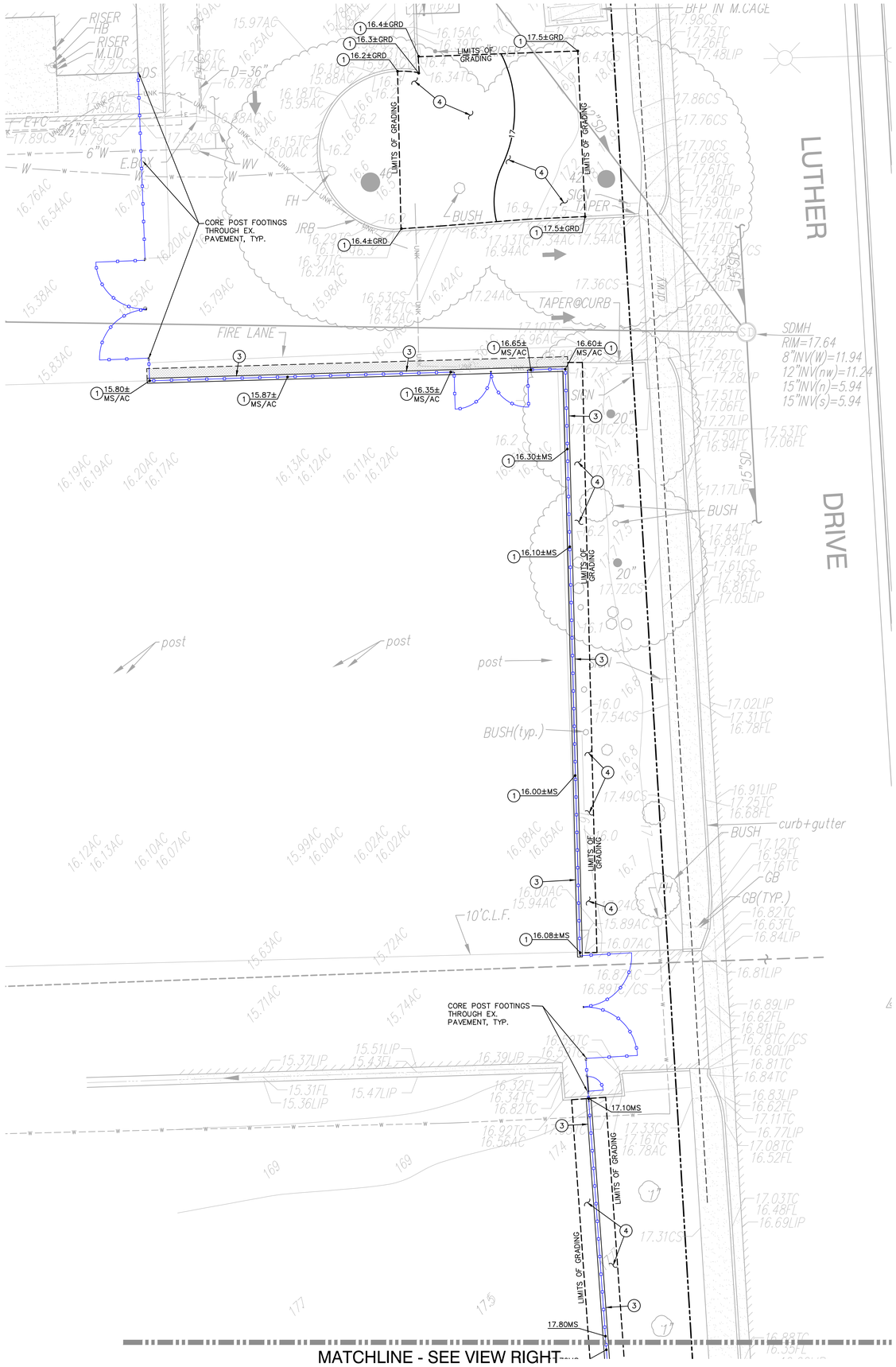
SUBGRADE PREPARATION

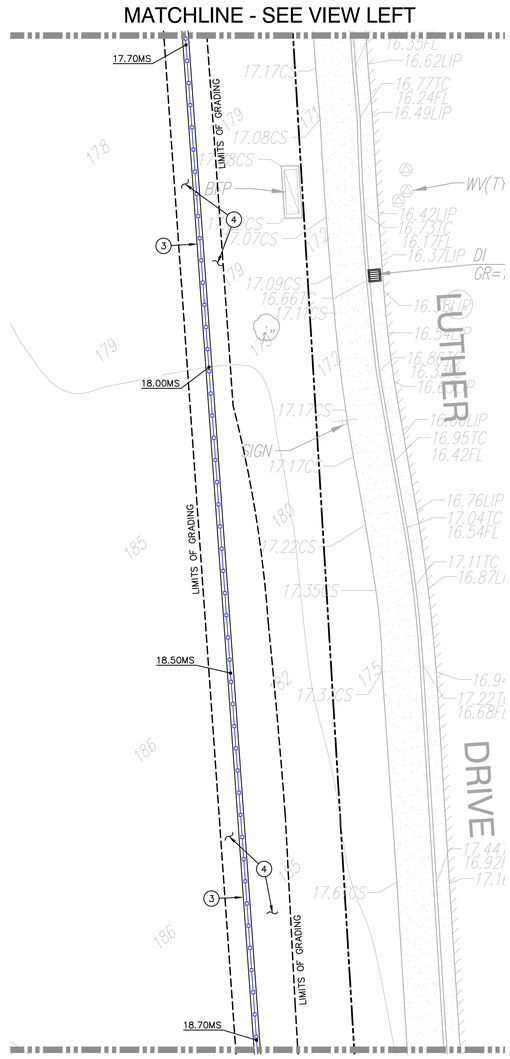
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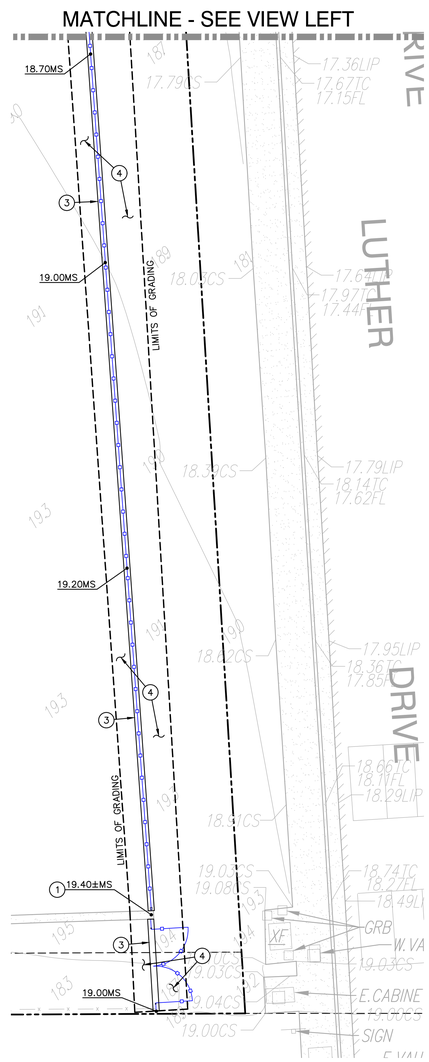
   FOR AREAS TO RECEIVE CONCRETE AND ASPHALT PAVING, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 8 INCHES, MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D1557 TEST METHOD. UPPER 8 INCHES OF SUBGRADE BENEATH ASPHALT PAVEMENT SHALL BE COMPACTED TO 95 PERCENT.

GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
3. CONSTRUCT 12" WIDE CONCRETE BAND PER (5 / C501)
4. TURF/MULCH DAMAGED AND/OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH SOD AND/OR MATCHING MULCH. SPRINKLERS REMOVED/DAMAGED SHALL BE REPLACED TO ALLOW FOR PROPER IRRIGATION COVERAGE.







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TITLE

GRADING PLAN

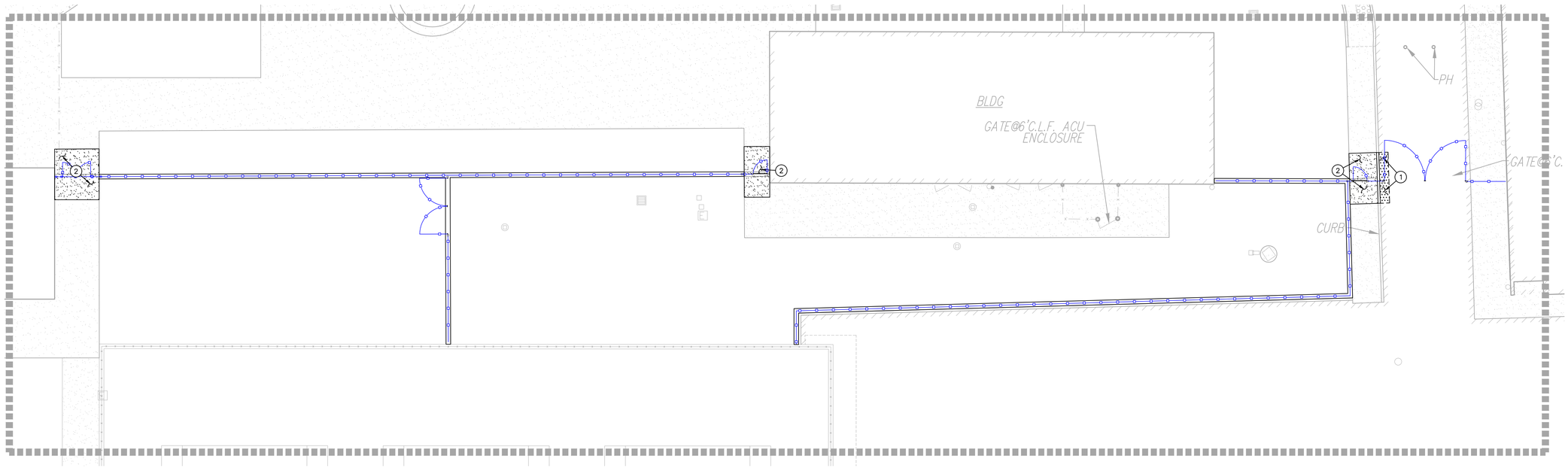
SHEET
CG103

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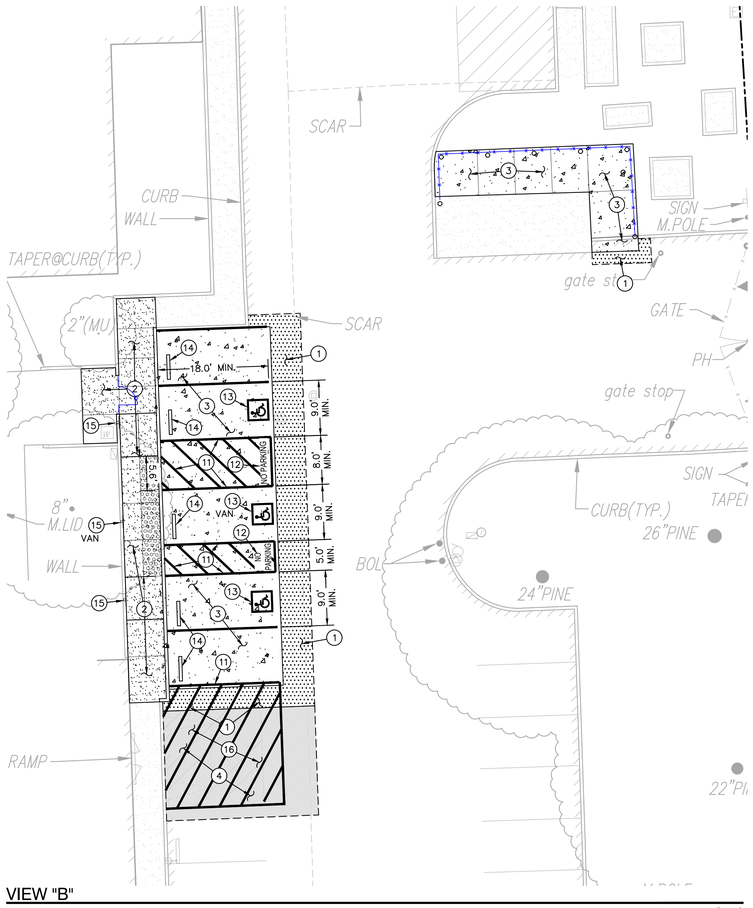
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0 1/4" 1/2" 1" 2"



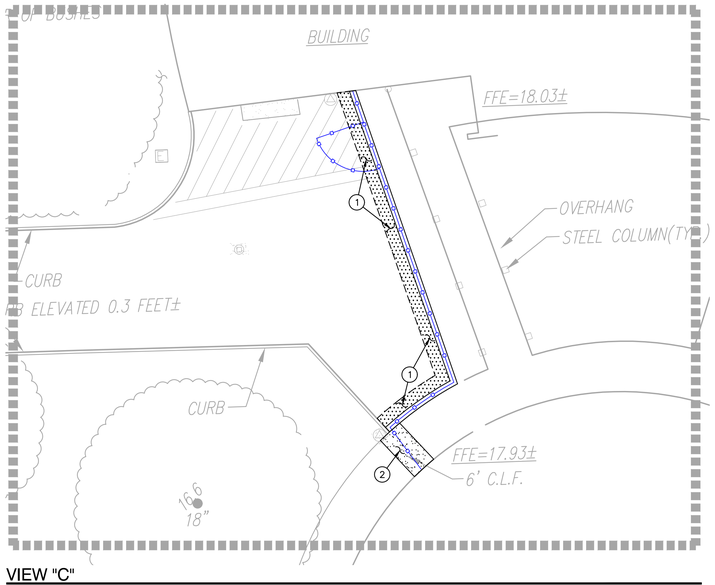
VIEW "A"

SCALE 1"=10'



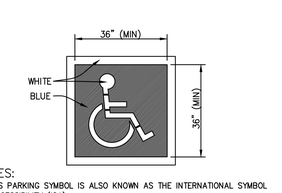
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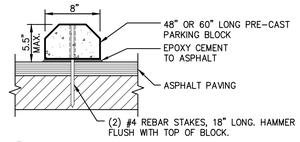
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SCALE 1"=10'

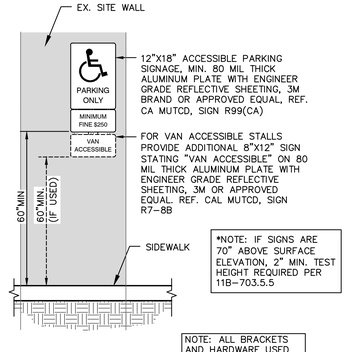


NOTES:
1. THIS PARKING SYMBOL IS ALSO KNOWN AS THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA).

1 CP102 ACCESSIBLE STRIPING NO SCALE



2 CP102 CONCRETE WHEEL STOP NO SCALE



3 CP102 ACCESSIBLE PARKING SIGNAGE ACCESSIBLE STALLS (CALIFORNIA ONLY) NO SCALE

PAVING GENERAL NOTES:

1. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.
2. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
3. SLOPE IN ACCESSIBLE STALLS AND UNLOAD ZONES SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
4. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

   CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
   DIRECTION OF TRAVEL – 4.9%
   RAMP IN DIRECTION OF TRAVEL – 8.0%
   PLAZA 1.9% – IN ANY DIRECTION
5. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.

PAVING LEGEND

1 TYPE 1 PAVING
PLACE 3" AC OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER PLAN AND PROJECT SPECIFICATIONS. PROVIDE 2 APPLICATIONS OF SEAL COAT ON NEW PAVING.

2 TYPE 2 PAVING
PLACE 5" PCC OVER 12" AB WITH #4 BAR AT 24" O.C.E.W. ON SUBGRADE COMPACTED PER PLAN AND PROJECT SPECIFICATIONS. (1 / C501)

3 TYPE 3 PAVING
PLACE 6" PCC OVER 12" AB WITH #4 BAR AT 18" O.C.E.W. ON SUBGRADE COMPACTED PER PLAN AND PROJECT SPECIFICATIONS. (1 / C501)

4 TYPE 4 PAVING
BLACK OUT EXISTING STRIPING, CRACK FILL AND PROVIDE TWO (2) APPLICATIONS OF SEAL COAT ON EXISTING ASPHALT PAVING.

STRIPING SIGNAGE PLAN

* CONTRACTOR SHALL RESTRIPE FIRE LANES WITHIN PROJECT AREAS.

11. PAINT 4" WIDE BLUE STRIPING AROUND PERIMETER OF ACCESSIBLE LOADING AREA WITH WHITE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30° FROM PERPENDICULAR WITH PERIMETER STRIPING.
12. PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING".
13. PAINT INTERNATIONAL SYMBOL FOR ACCESSIBILITY PARKING STALL SYMBOL IN ACCORDANCE WITH THE DIMENSIONS AND COLORING SHOWN IN DETAIL (1 / CP102)
14. PLACE 48" LONG CONCRETE WHEEL STOP PER (2 / CP102)
15. PLACE ACCESSIBLE SIGNAGE PER (3 / CP102)
16. PAINT 4" WIDE WHITE STRIPING AROUND PERIMETER OF NO PARKING AREA WITH WHITE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30° FROM PERPENDICULAR WITH PERIMETER STRIPING.

GRAPHIC SCALE
10' 0 5' 10' 20'
(IN FEET) 1 inch = 10 feet
NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123456 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/08/2025

LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. C74626 STATE OF CALIFORNIA

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

SEAL

PROJECT
LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47th Ave Sacramento, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
DSA	06/18/2025	DSA APPROVAL

MANAGEMENT

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AGENCY

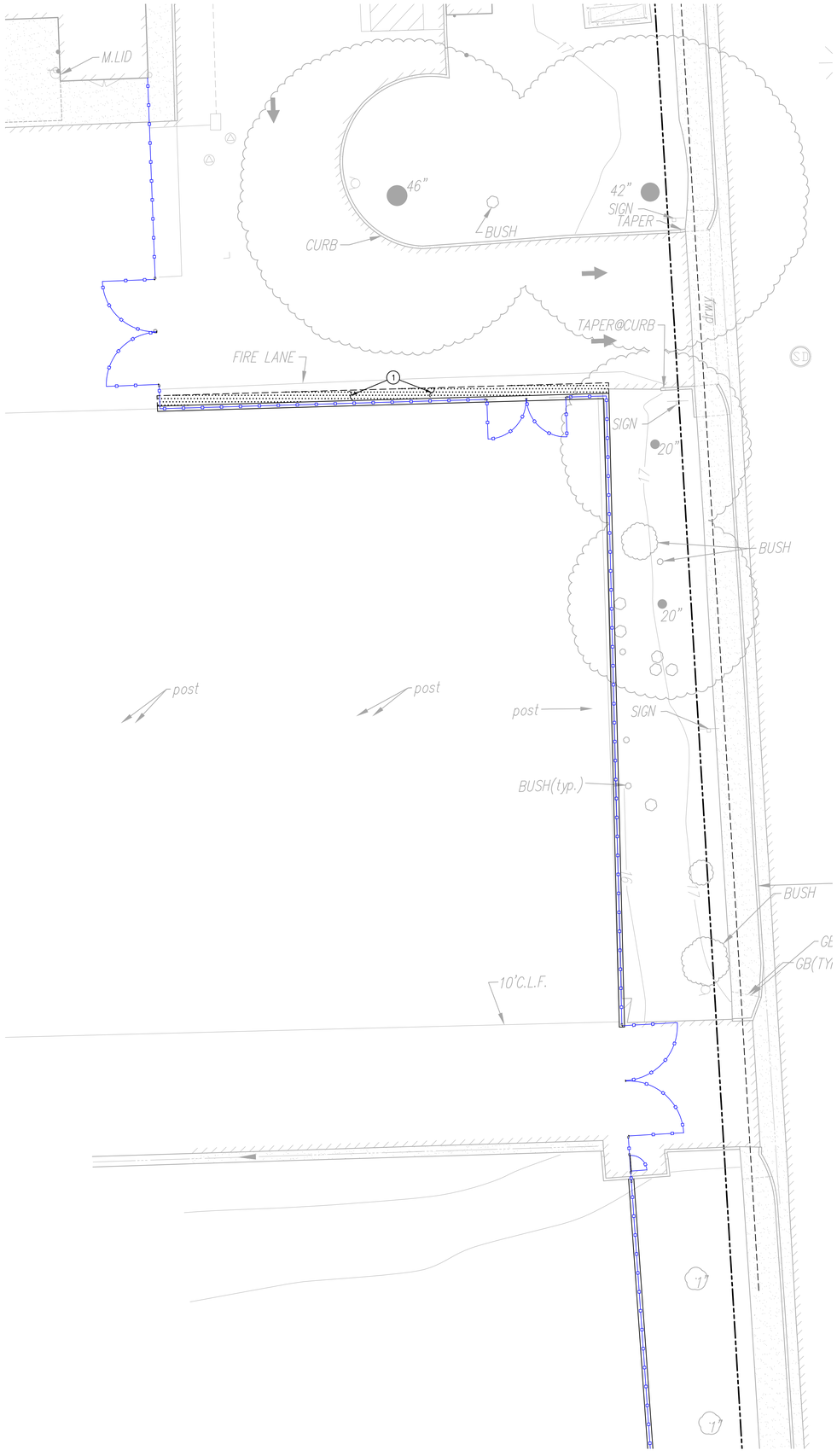
TITLE

PAVING AND STRIPING PLAN

SHEET
CP102

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6/18/2014 10:33:25 AM

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PAVING GENERAL NOTES:

1. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.
2. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
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   DIRECTION OF TRAVEL – 4.9%
   RAMP IN DIRECTION OF TRAVEL – 8.0%
   PLAZA 1.9% – IN ANY DIRECTION

5. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.

PAVING LEGEND

(1) TYPE 1 PAVING

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GRAPHIC SCALE

10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

NORTH

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SEAL

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MANAGEMENT

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TITLE

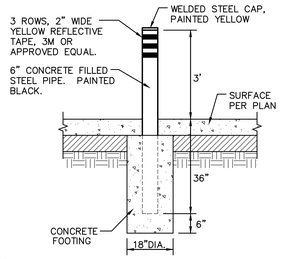
PAVING PLAN

SHEET

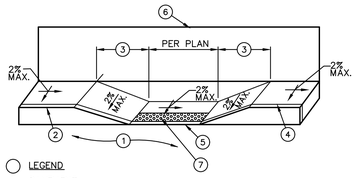
CP103

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6/18/2014 10:33:25 AM

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6 / C501 PIPE BOLLARD — NO SCALE

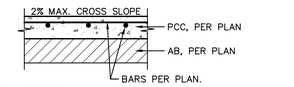


LEGEND

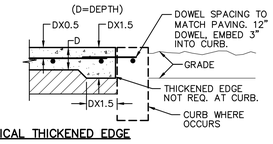
1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE, 2% MAX CROSS SLOPE.
4. SCORE MARK, 6" BACK OF CURB.
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.8.
6. EXISTING SITE PRIVACY WALL.
7. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK LESS 2 INCHES MAXIMUM ON EACH SIDE PER 11B-705.1.2.2.

4 / C501

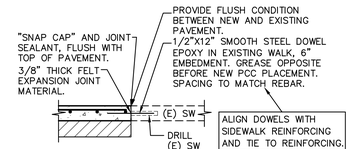
3 / C501 ACCESSIBLE CURB RAMP — NO SCALE



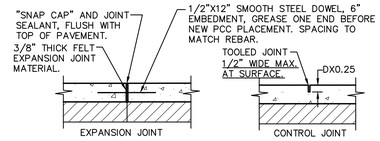
TYPICAL SECTION



TYPICAL THICKENED EDGE



CONNECTION TO (E) CONCRETE

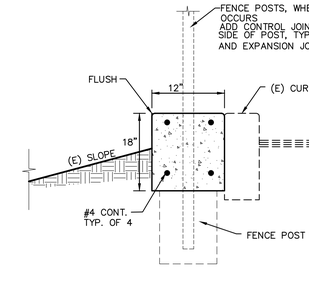


TYPICAL JOINTS

NOTES:

1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

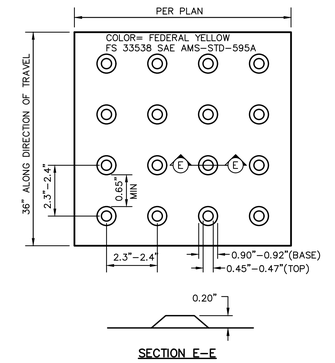
1 / C501 CONCRETE SIDEWALK — NO SCALE



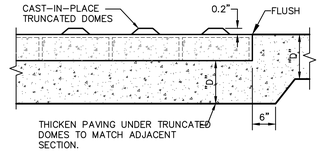
NOTES:

1. PROVIDE CONTROL JOINT CENTERED AT EVERY FENCE POST.
2. PROVIDE EXPANSION JOINTS AT 60FT O.C. MAX.

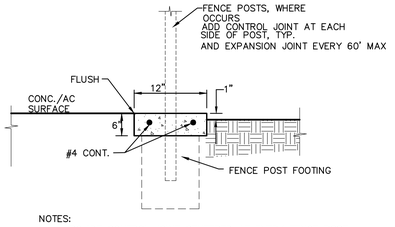
7 / C501 CONCRETE BAND (18" DEEP) — NO SCALE



SECTION E-E



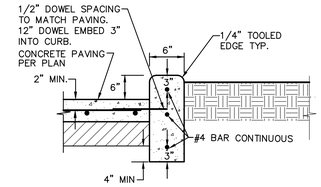
4 / C501 TRUNCATED DOMES — NO SCALE



NOTES:

1. PROVIDE CONTROL JOINT CENTERED AT EVERY FENCE POST.
2. PROVIDE EXPANSION JOINTS AT 60FT O.C. MAX.

5 / C501 CONCRETE BAND — NO SCALE



NOTES:

1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2 / C501 CONCRETE CURB — NO SCALE

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DATE: 08/08/2025

LIONAKIS
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P 916.558.1900
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CONSULTANT

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SEAL

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DSA	06/18/2025	DSA APPROVAL

MANAGEMENT

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AGENCY

TITLE

DETAILS AND SECTIONS

SHEET

C501

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STRUCTURAL ABBREVIATIONS LEGEND

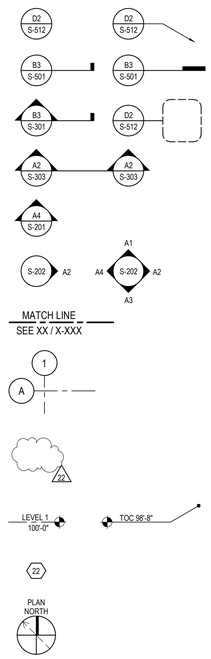
S- 014213. N001A

SEE UNITED STATES NATIONAL CAD STANDARD FOR ANY ABBREVIATIONS NOT LISTED BELOW. SEE BUILDING CODE FOR REFERENCED DESIGN AND MATERIALS SYMBOLS, ACRONYMS & NOTATIONS.

&	AND	IR	INSIDE RADIUS
@	AT	JH	JOIST HANGER
(E)	EXISTING	JT	JOINT
'	FOOT, FEET	L	ANGLE, LONG, LENGTH
"	INCH, INCHES	LL	LIVE LOAD
#	NUMBER, POUND	LLH	LONG LEG HORIZONTAL
A/E	ARCHITECT / ENGINEER	LLV	LONG LEG VERTICAL
AB	ANCHOR BOLT	LONG	LONGITUDINAL
ABV	ABOVE	LS	LAG SCREW
ADDL	ADDITIONAL	LWC	LIGHT WEIGHT CONCRETE
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AFG	ABOVE FINISHED GRADE	MB	MACHINE BOLT
AFS	ABOVE FINISHED SLAB	MC	MISCELLANEOUS CHANNEL
ALT	ALTERNATE	MCJ	MASONRY CONTROL JOINT
ALUM	ALUMINUM	MDJ	MASONRY DOWEL JOINT
APPROX	APPROXIMATE	MECH	MECHANICAL
ARCH	ARCHITECT	MEJ	MASONRY EXPANSION JOINT
ATR	ALL THREAD ROD	MFR	MANUFACTURER
BFF	BELOW FINISH FLOOR	MIN	MINIMUM
BKG	BACKING	MISC	MISCELLANEOUS
BLDG	BUILDING	MKJ	MASONRY KEY JOINT
BLKG	BLOCKING	MRJ	MASONRY RAKE JOINT
BLW	BELOW	NA	NOT APPLICABLE
BM	BEAM	NF	NEAR FACE
BMU	BRICK MASONRY UNIT	NIC	NOT IN CONTRACT
BN	BOUNDARY NAIL	NTS	NOT TO SCALE
BOS	BOTTOM OF STEEL	NWC	NORMAL WEIGHT CONCRETE
BOT	BOTTOM	O/	OVER
BTWN	BETWEEN	OC	ON CENTER
C	CAMBER, CHANNEL	OD	OUTSIDE DIAMETER
CB	CARRIAGE BOLT	OPH	OPPOSITE HAND
CBC	CALIFORNIA BUILDING CODE	OPNG	OPENING
CFSF	COLD-FORMED STEEL FRAMING	OPP	OPPOSITE
CG	CENTER OF GRAVITY	OR	OUTSIDE RADIUS
CJ	CONSTRUCTION JOINT	PAF	POWER ACTUATED FASTENER
CJP	COMPLETE JOINT PENETRATION	PCC	PRECAST CONCRETE
CL	CENTER LINE	PCF	POUNDS PER CUBIC FOOT
CLR	CLEAR	PJP	PARTIAL JOINT PENETRATION
CMU	CONCRETE MASONRY UNIT	PL	PLATE, PROPERTY LINE
COL	COLUMN	PLF	POUNDS PER LINEAR FOOT
CONC	CONCRETE	PREFAB	PREFABRICATE
CONN	CONNECT, CONNECTION	PSF	POUNDS PER SQUARE FOOT
CONT	CONTINUE, CONTINUOUS	PSI	POUNDS PER SQUARE INCH
CRS	COLD ROLLED STEEL	PTW	PRESERVATIVE TREATED WOOD
CSK	COUNTER SUNK	QTY	QUANTITY
CTR	CENTER	R	RADIUS, RISER
D	PENNY (NAIL), DEEP, DEPTH	REBAR	REINFORCING STEEL BAR
DBL	DOUBLE	REINF	REINFORCE, REINFORCING
DOW	DEMAND CRITICAL WELD	REQ	REQUIRE, REQUIRED
DEG	DEGREE	RND	ROUND
DEMO	DEMOLITION	RO	ROUGH OPENING
DET	DETAIL	RS	ROUGH SAWN
DIA	DIAMETER	RWD	REDWOOD
DIAG	DIAGONAL	S	SPACED, SPACING, SPLICE, STEP
DIM	DIMENSION	SAD	SEE ARCHITECTURAL DRAWINGS
DJ	DOWEL JOINT	SCHED	SCHEDULE
DL	DEAD LOAD	SDST	SELF-DRILLING SELF-TAPPING
DO	DITTO, DO OVER	SE	STRUCTURAL ENGINEER
DOUG FIR	DOUGLAS FIR	SECT	SECTION
DWG	DRAWING	SFRS	SEISMIC FORCE RESISTING SYSTEM
DWL	DOWEL	SHTHG	SHEATHING
EA	EACH	SIM	SIMILAR
EE	EACH END	SJ	SHRINKAGE JOINT
EF	EACH FACE	SL	SNOW LOAD
EJ	EXPANSION JOINT	SP	STRUCTURAL PANEL
EL	ELEVATION	SPEC	SPECIFICATION
ELEC	ELECTRIC, ELECTRICAL	SQ	SQUARE
ELEV	ELEVATOR	SST	STAINLESS STEEL
EMBED	EMBEDMENT	STAG	STAGGERED
EN	EDGE NAIL	STD	STANDARD
EOS	EDGE OF SLAB	STIF	STIFFENER
EQ	EQUAL, EQUALLY	STIR	STIRRUP
ES	EACH SIDE	STL	STEEL
EW	EACH WAY	STRUCT	STRUCTURAL
EXT	EXTERIOR	SYMM	SYMMETRICAL
F/F	FACE TO FACE	T	TREAD, THICKNESS
FA	FRAMING ANGLE	T&B	TOP & BOTTOM
FB	FLAT BAR	T&G	TONGUE & GROOVE
FDTN	FOUNDATION	TFJH	TOP FLANGE JOIST HANGER
FIN	FINISH	THK	THICKNESS
FLG	FLANGE	THRU	THROUGH
FLR	FLOOR	TJ	TOOL JOINT
FMJH	FACE-MOUNT JOIST HANGER	TN	TOE NAIL
FN	FIELD NAIL	TOB	TOP OF BEAM
FOC	FACE OF CONCRETE/CURB	TOC	TOP OF CURB/CONCRETE
FOF	FACE OF FINISH	TOF	TOP OF FRAMING/FOOTING/FLOOR
FOM	FACE OF MASONRY	TOJ	TOP OF JOIST
FOS	FACE OF STUD	TOM	TOP OF MASONRY
FOW	FACE OF WALL	TOP	TOP OF PARAPET
FRMG	FRAMING	TOS	TOP OF STEEL
FRTW	FIRE RETARDANT TREATED WOOD	TOSP	TOP OF STRUCTURAL PANEL
FS	FAR SIDE	TOT	TOP OF TRUSS
FT	FEET, FOOT	TOW	TOP OF WALL
FTG	FOOTING	TS	TUBE STEEL
FURG	FURRING	TYP	TYPICAL
GA	GAGE	UC	UNDERCUT
GALV	GALVANIZED	UNO	UNLESS NOTED OTHERWISE
GLB	GLUED LAMINATED BEAM	UON	UNLESS OTHERWISE NOTED
GR	GRADE	VERT	VERTICAL
H	HIGH, HEIGHT	VIF	VERIFY IN FIELD
HDR	HEADER	VR	VAPOR RETARDER
HGR	HANGER	W	WIDE, WIDTH, WELD, W-SHAPE
HLDN	HOLDDOWN	W/	WITH
HORIZ	HORIZONTAL	W/O	WITHOUT
HS	HIGH STRENGTH	WF	WIDE FLANGE
HSB	HIGH STRENGTH BOLT	WHS	WELDED HEADED STUD
HSS	HOLLOW STRUCTURAL SECTION	WL	WIND LOAD
HT	HEIGHT	WO	WHERE OCCURS
ICC	INTERNATIONAL CODE COUNCIL	WP	WORKING POINT
ID	INSIDE DIAMETER	WT	WEIGHT, W TEE-SHAPE
IJ	ISOLATION JOINT	WTS	WELDED THREADED STUD
INFO	INFORMATION	WWR	WELDED WIRE REINFORCEMENT
INT	INTERIOR	XS	EXTRA STRONG
		XXS	DOUBLE EXTRA STRONG

STRUCTURAL SYMBOLS LEGEND

SN011000-004



DETAIL INDICATOR - REFERENCE & DETAIL INDICATOR - ITEM

DETAIL INDICATOR - SECTION & DETAIL INDICATOR - SECTION ITEM

SECTION INDICATOR - PARTIAL BUILDING/WALL DETAIL INDICATOR - AREA

SECTION INDICATOR - BUILDING

ELEVATION INDICATOR - EXTERIOR

ELEVATION INDICATOR - INTERIOR, SINGLE & MULTIPLE VIEW

MATCH LINE INDICATOR

REFERENCE GRID WITH REFERENCE GRID LINES

REVISION INDICATOR & REVISION CLOUD

ELEVATION INDICATOR - LEVEL & SPOT

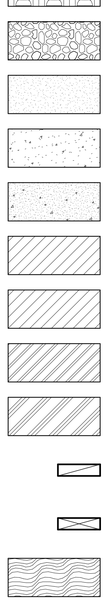
KEYNOTE INDICATOR

PLAN NORTH & TRUE NORTH INDICATOR

MATERIAL SYMBOL LEGEND

S- 011000. N006A

170125. Q2



EARTH

EARTH, COMPACT FILL

EARTH, ROCK

GRAVEL, ROCK FILL

SAND, MORTAR, GROUT

CONCRETE, CAST IN PLACE

CONCRETE, PRE-CAST OR TILT UP

MASONRY, CLAY BRICK

MASONRY, CONCRETE

STEEL

ALUMINUM

WOOD BLOCKING OR SHIM

WOOD FRAMING CONTINUOUS

WOOD

STRUCTURAL GENERAL NOTES

S- 014100. N003A

231110. Q2

1. THE STRUCTURAL NOTES AND TYPICAL DETAILS, WHETHER SPECIFICALLY REFERENCED OR NOT, ARE GENERAL AND APPLY TO ALL CONSTRUCTION DOCUMENTS. PROVIDE ALL STRUCTURAL ELEMENTS INDICATED IN THE STRUCTURAL NOTES AND TYPICAL DETAILS AS REQUIRED TO CONFORM TO THE FINISHED PROJECT AS INDICATED IN OTHER CONSTRUCTION DOCUMENTS. PROVIDE ALL STRUCTURAL ELEMENTS INDICATED IN OTHER CONSTRUCTION DOCUMENTS. STRUCTURAL CONSTRUCTION DOCUMENTS SHALL BE USED IN CONJUNCTION WITH ALL OTHER CONSTRUCTION DOCUMENTS. SEE OTHER CONSTRUCTION DOCUMENTS FOR COMPLETE PROJECT REQUIREMENTS.
2. REFERENCES TO CONSTRUCTION DOCUMENTS ARE TO THE ENFORCEMENT AGENCY APPROVED DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. SUPPLEMENTAL DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ADDENDA, REVISED DRAWINGS, FIELD INSTRUCTIONS AND MODIFICATIONS PRODUCED FOR THIS PROJECT, SHALL ALSO BE CONSIDERED A CONSTRUCTION DOCUMENT. ALL REQUIREMENTS OF THE INITIALLY APPROVED CONSTRUCTION DOCUMENTS SHALL APPLY TO ANY SUPPLEMENTAL DOCUMENTS.
3. WHERE THE CONSTRUCTION DOCUMENTS INDICATE TO NOTIFY THE STRUCTURAL ENGINEER, SUCH NOTIFICATION SHALL BE SUBMITTED IN WRITING WITH SUFFICIENT ALLOWANCE FOR A REASONABLE TIME PERIOD FOR REVIEW, DESIGN, ENFORCEMENT AGENCY APPROVAL AS REQUIRED AND WRITTEN RESPONSE SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. OBTAIN WRITTEN RESPONSE BEFORE PROCEEDING WITH THE AFFECTED WORK.
4. CAREFULLY EXAMINE THE CONSTRUCTION DOCUMENTS AND NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS OR DISCREPANCIES WITHIN THE STRUCTURAL CONSTRUCTION DOCUMENTS AND BETWEEN ALL OTHER CONSTRUCTION DOCUMENTS. DEVIATIONS SHALL NOT BE MADE TO THE REQUIREMENTS INDICATED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS.
5. PORTIONS OF THESE CONSTRUCTION DOCUMENTS ARE DIAGRAMMATIC ONLY. ITEMS INCLUDING, BUT NOT LIMITED TO, LOCATIONS, SIZES, QUANTITIES, ACCESSORIES AND CONNECTIONS ARE INDICATED IN A REPRESENTATIONAL MANNER AND MAY NOT BE COMPLETELY SHOWN. PROVIDE ALL WORK AND MATERIALS NECESSARY TO COMPLETE THE PROJECT AS REPRESENTED IN THE CONSTRUCTION DOCUMENTS.
6. DIMENSIONS AND ELEVATIONS INDICATED ARE FOR STRUCTURAL ELEMENTS ONLY. ELEVATIONS SHOWN ARE BASED ON A REFERENCE ELEVATION. COORDINATE REFERENCE ELEVATIONS WITH ACTUAL ELEVATIONS. COORDINATE WITH ALL OTHER CONSTRUCTION DOCUMENTS FOR DIMENSIONS AND ELEVATIONS NOT INDICATED ON THE STRUCTURAL CONSTRUCTION DOCUMENTS. DO NOT SCALE DRAWINGS.
7. CONSTRUCTION SHALL COMPLY WITH ALL BUILDING, HEALTH AND SAFETY STANDARDS, CODES AND REGULATIONS APPLICABLE TO THIS PROJECT. NOTHING IN THE CONSTRUCTION DOCUMENTS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE STANDARDS, CODES AND REGULATIONS.
8. REFERENCES TO STANDARDS, CODES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, ICC, IBC, CBC, ACI, ASTM, ASCE, ANSI, AWS, AISI, AITC AND AISC SHALL BE TO THE LATEST EDITION AS ADOPTED BY THE ENFORCEMENT AGENCY.
9. FEATURES OF CONSTRUCTION INDICATED ARE TYPICAL. WHERE FEATURES ARE NOT FULLY OR SPECIFICALLY INDICATED BY THE CONSTRUCTION DOCUMENTS, THEIR CONSTRUCTION SHALL BE AS INDICATED FOR IDENTICAL OR SIMILAR FEATURES ELSEWHERE IN THE CONSTRUCTION DOCUMENTS. IF ANY CONDITIONS REQUIRE CONSTRUCTION DIFFERENT THAN THAT INDICATED ON THE CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER.
10. STRUCTURAL ELEMENTS SHALL NOT BE REMOVED OR MODIFIED UNLESS INDICATED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS. IF STRUCTURAL ELEMENTS INTERFERE WITH THE WORK INDICATED IN ANY OTHER CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER.
11. THE CONSTRUCTION DOCUMENTS AND THE DESIGNS INCORPORATED THEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT.
12. STRUCTURAL ELEMENTS REPRESENTED IN THE CONSTRUCTION DOCUMENTS ARE INDICATED IN THEIR COMPLETED CONFIGURATION. THE CONSTRUCTION DOCUMENTS DO NOT INDICATE MEANS, METHODS OR SEQUENCES OF CONSTRUCTION UNLESS SPECIFICALLY NOTED OTHERWISE. PROVIDE ALL MEASURES NECESSARY AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY AND TO ASSURE THE CORRECT AND ACCURATE STRUCTURE GEOMETRY AND STABILITY DURING CONSTRUCTION. MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, PROVIDING ADEQUATE FORMING, SHORING AND BRACING. MEASURES SHALL REMAIN IN PLACE UNTIL THE STRUCTURAL ELEMENTS AND ALL OTHER STRUCTURAL ELEMENTS USED TO SUPPORT THEM HAVE BEEN COMPLETED AND HAVE ATTAINED THEIR REQUIRED DESIGN STRENGTHS.
13. PROTECT ALL ELEMENTS, WHETHER CONCEALED OR NOT, INCLUDING, BUT NOT LIMITED TO, PROPERTIES, STRUCTURES, FINISHES, STREETS, LANDSCAPING AND UTILITIES ADJACENT TO OR ON THIS SITE DURING THE CONSTRUCTION OF THIS PROJECT. SHOULD DAMAGE OCCUR TO ANY ELEMENTS, THEY SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. CONTROL ITEMS SUCH AS, BUT NOT LIMITED TO, DUST, DIRT, WATER, FUMES, SMOKE, TRASH, NOISE AND VIBRATION CREATED AS A RESULT OF ANY OPERATIONS DURING CONSTRUCTION IN CONFORMANCE WITH APPLICABLE STANDARDS, CODES AND REGULATIONS.
14. STRUCTURAL DESIGN LOADS, STRENGTHS, CAPACITIES AND CRITERIA INDICATED ON THE CONSTRUCTION DOCUMENTS ARE FOR THE COMPLETED STRUCTURE ONLY. THE USE OF ANY PART OR PARTS OF THE INCOMPLETE OR COMPLETED STRUCTURE FOR THE SUPPORT OF CONSTRUCTION ITEMS INCLUDING, BUT NOT LIMITED TO, OTHER PORTIONS OF THE STRUCTURE, PERSONNEL, MATERIALS AND EQUIPMENT IS LIMITED TO THE SAFE CAPACITY OF THE STRUCTURE AT THE TIME IT IS TO BE USED FOR SUCH SUPPORT. PROVIDE ALL MEASURES NECESSARY AS REQUIRED TO PREVENT OVERLOADING, EXCESSIVE MOVEMENT AND DAMAGE TO ANY PART OR PARTS OF THE STRUCTURE.
15. IF SUBSTITUTIONS ARE REQUESTED FOR STRUCTURAL ELEMENTS INDICATED IN THE CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER. SUBMIT DATA AND DOCUMENTATION INCLUDING, BUT NOT LIMITED TO, COMPARATIVE QUALITY, SUITABILITY, PERFORMANCE, STRUCTURAL CAPACITY, ICC APPROVAL AND ENFORCEMENT AGENCY ACCEPTABILITY SUBSTANTIATING THE COMPLETE COMPLIANCE OF EACH PROPOSED SUBSTITUTION WITH THE CONSTRUCTION DOCUMENTS. ONLY ONE REQUEST FOR SUBSTITUTION WILL BE ALLOWED FOR EACH STRUCTURAL ELEMENT. SUBSTITUTIONS WILL NOT BE CONSIDERED WHEN SUBMITTALS ARE INCOMPLETE OR ACCEPTANCE WOULD REQUIRE REVISIONS TO THE CONSTRUCTION DOCUMENTS. PROVIDE OWNER REIMBURSEMENT FOR SERVICES REQUIRED TO OBTAIN ENFORCEMENT AGENCY APPROVAL OF SUBSTITUTIONS. IF A PROPOSED SUBSTITUTION SUBMITTAL IS NOT COMPLETE, NOT ACCEPTABLE TO THE STRUCTURAL ENGINEER, OR NOT APPROVED BY THE ENFORCEMENT AGENCY PROVIDE THE SPECIFIED ITEM AS INDICATED IN THE CONSTRUCTION DOCUMENTS. THE STRUCTURAL ENGINEER WILL BE THE SOLE JUDGE OF THE ACCEPTABILITY OF THE PROPOSED SUBSTITUTION VERSUS THE SPECIFIED ITEM. ACCEPTANCE OF A SUBSTITUTION SHALL NOT BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. SUBSTITUTIONS OR CHANGES ARE SUBJECT TO REVIEW AND APPROVAL BY DSA PRIOR TO INSTALLATION.
16. SCHEDULES, LEGENDS, ABBREVIATIONS, TYPICAL NOTES AND TYPICAL DETAILS ON THE STRUCTURAL CONSTRUCTION DOCUMENTS MAY REFERENCE STRUCTURAL ELEMENTS OR REQUIREMENTS NOT SPECIFICALLY INDICATED OR REQUIRED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS.
17. THE STRUCTURAL CONSTRUCTION DOCUMENTS ARE NOT COMPLETE AND READY FOR CONSTRUCTION UNTIL THEY ARE APPROVED BY THE ENFORCEMENT AGENCY AND SIGNED BY THE STRUCTURAL ENGINEER.

STRUCTURAL DESIGN CRITERIA

S- 014100. N003A

231110. Q2

BUILDING CODE: 2022 CBC

ENFORCEMENT AGENCY: DIVISION OF THE STATE ARCHITECT (DSA)

A. VERTICAL DESIGN CRITERIA (UNLESS OTHERWISE SHOWN OR NOTED): N/A

B. LATERAL DESIGN CRITERIA

SEISMIC SITE CRITERIA: SS=0.58, S1=0.25, SDS=0.51, SD1 =0.53*, SITE CLASS: D
* SD1 INCREASED PER ASCE 7-16 11.4.8 ITEM 1 EXCEPTION

CMU SITE WALL CRITERIA:
SEISMIC:
- RISK CATEGORY= II
- IMPORTANCE FACTOR, I=1.00
- SEISMIC DESIGN CATEGORY = D
- SEISMIC FORCE RESISTING SYSTEM: NON-BUILDING STRUCTURE - GROUND SUPPORTED CANTILEVER WALLS OR FENCES
- RESPONSE MODIFICATION FACTOR, R = 1.25
- DESIGN BASE SHEAR: V = CsW
- SEISMIC RESPONSE COEFFICIENT, Cs=0.41
- ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
- HORIZONTAL IRREGULARITIES: N/A (NON-BLDG)
- VERTICAL IRREGULARITIES: N/A (NON-BLDG)
- LOCATION OF SEISMIC BASE: TOF

WIND:
BASIC DESIGN WIND SPEED, V(ULT) = 100 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V(ASD) = 77 MPH
RISK CATEGORY = II
WIND EXPOSURE = C
GCPI = 0 (FREESTANDING FENCE)

C. SOIL DESIGN CRITERIA

SOIL INFO IS BASED ON GEOTECHNICAL REPORT BY:
TERRACON / NB255035
DATED: 5/30/2025

SPREAD FOUNDATIONS:
- ALLOWABLE BEARING PRESSURE:
  DL + LL = 2500 PSF
  DL + LL + LATERAL = 3000 PSF
- COEFFICIENT OF FRICTION = 0.35
- ALLOWABLE PASSIVE PRESSURE = 360 PCF
- IF FRICTIONAL RESISTANCE AND PASSIVE PRESSURE ARE COMBINED, PASSIVE IS REDUCED BY 50%

DRILLED PIERS:
- MINIMUM DIAMETER = 18 INCH
- MINIMUM DEPTH (FOR AXIAL LOAD) = 7 FEET
- MINIMUM PIER SPACING = 3X DIA
- ALLOWABLE SKIN FRICTION (FS = 2.0)

LAYER DEPTH	SKIN FRICTION
0'-2'	0 (NEGLECT)
2'-4'	400 PSF
4'-10'	550 PSF
10'-15'	390 PSF
15'-16.5'	650 PSF

- UPLIFT VALUES ARE 2/3 OF VALUES SHOWN
- NEGLECT SKIN FRICTION FOR PIER SECTIONS WITHOUT 10' OF LATERAL SOIL CONFINEMENT
- ULTIMATE PASSIVE PRESSIVE (PER ALTERNATE METHOD IN GEOTECH REPORT)

LAYER DEPTH	ULIMATE PASSIVE
0'-2'	0 (NEGLECT)
2'-4'	350 PCF
4'-10'	350 PCF
10'-15'	500 PCF
15'-16.5'	350 PSF

RETAINING WALLS:
- AT-REST EARTH PRESSURE = 60 PCF (UNSATURATED), 96 PCF (SATURATED)
- ACTIVE EARTH PRESSURE = 36 PCF (UNSATURATED), 84 PCF (SATURATED)

D. HAZARDS

FLOOD DESIGN DATA: N/A - PROJECT SITE DOES NOT OCCUR IN COMMUNITY FLOOD HAZARD REGION AND NOT SUBJECT TO GREATER THAN 1% CHANCE OF FLOODING IN ANY YEAR.

PROJECT DIRECTORY

S- 011000. N006A

170125. Q2

OWNER
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE
SACRAMENTO, CA 95824
CONTACT: CHRIS RALSTON
PHONE: 916.643.7400
EMAIL: CHRIS-RALSTON@SCUSD.EDU

ARCHITECT
LIONAKIS
2025 19TH STREET
SACRAMENTO, CA 95818
CONTACT: JENNIFER QUIGLEY
PHONE: 916.558.1900
EMAIL: JENNIFER.QUIGLEY@LIONAKIS.COM

CIVIL ENGINEER
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762
CONTACT: ANTHONY TASSANO
PHONE: 916.985.1870
EMAIL: ANTHONY@WCEINC.COM

ELECTRICAL/LOW VOLTAGE
KMM SERVICES
5433 EL CAMINO AVE, #5
CARMICHAEL, CA 95608
CONTACT: RONNY KAGSTROM
PHONE: 916.825.3625
EMAIL: RONNY.KAGSTROM@KMMSERVICES.COM

STRUCTURAL ENGINEER
LIONAKIS
2025 19TH STREET
SACRAMENTO, CA 95818
CONTACT: LUCAS JOLLY
PHONE: 916.558.1900
EMAIL: LUCAS.JOLLY@LIONAKIS.COM

GEOTECHNICAL ENGINEER
TERRACON
50 GOLDENLAND COURT, SUITE 100
SACRAMENTO, CA 95834
CONTACT: JUSTIN MCNABB
PHONE: 916.928.4690

STRUCTURAL SHEET INDEX

SN011000-001

SHEET NUMBER	SHEET NAME
S-001	GENERAL NOTES
S-011	TYPICAL NOTES
S-012	TYPICAL NOTES
S-531	DETAILS - TYPICAL CONCRETE
S-541	DETAILS - MASONRY

SHEET COUNT: 5

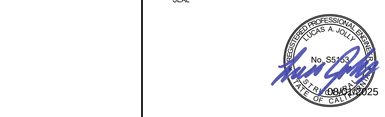
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123456 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/08/2025

LIONAKIS

2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL



PROJECT
LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
	06/18/2025	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO: 024251
CLIENT PROJECT NO:
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TITLE
GENERAL NOTES

SHEET
S-001

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
0 1/4" 1/2" 1"
Autodesk Docs://024251 LBHS Fencing/024251_STRUMSTR_R24_CENTRAL.rvt
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IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

STRUCTURAL SUBMITTALS

S- 013300_N002A
170125. Q2

1. SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO, SHOP DRAWINGS, FABRICATION DRAWINGS, PLACEMENT DRAWINGS, CALCULATIONS, DESIGNS, TEST DATA, PRODUCT DATA, SAMPLES, CERTIFICATIONS AND REPORTS AS REQUIRED BY THE CONSTRUCTION DOCUMENTS.
2. SUBMITTALS, AS A MINIMUM, SHALL CONSIST OF TWO (2) COPIES OF EACH SHEET.
3. SUBMITTALS SHALL NOT CONTAIN NOR CONSIST OF REPRODUCTIONS OF THE CONSTRUCTION DOCUMENTS. SUBMITTALS CONTAINING REPRODUCTIONS OF ANY PORTION OF THE CONSTRUCTION DOCUMENTS ARE SUBJECT TO REJECTION.
4. EACH SUBMITTAL SHALL HAVE A COVER SHEET IDENTIFYING THE CONTENTS BY SPECIFICATION SECTION AND LISTING EACH ITEM AND SHEET NUMBER. EACH SUBMITTAL SHALL HAVE A UNIQUE IDENTIFICATION NUMBER.
5. PRIOR TO SUBMISSION TO THE STRUCTURAL ENGINEER, STAMP SUBMITTALS INDICATING THEY HAVE BEEN REVIEWED AND APPROVED FOR COMPLETENESS AND CONFORMANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS. SUBMITTALS THAT ARE DETERMINED TO BE INCOMPLETE, IN THE JUDGMENT OF THE STRUCTURAL ENGINEER, WILL BE RETURNED WITHOUT REVIEW SO THEY CAN BE COMPLETED. THE STRUCTURAL ENGINEER SHALL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
6. PRIOR TO SUBMISSION TO THE STRUCTURAL ENGINEER, THE OWNER'S TESTING LABORATORY SHALL STAMP THE FOLLOWING MARKED SUBMITTALS INDICATING THEY HAVE BEEN REVIEWED AND APPROVED FOR COMPLETENESS AND CONFORMANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS:
   - ■ CONCRETE MIX DESIGNS AND SUBSTANTIATING TEST DATA
   - ■ MASONRY GROUT MIX DESIGNS AND SUBSTANTIATING TEST DATA
   - □ WELDING PROCEDURE SPECIFICATIONS
7. SUBMITTALS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO UTILIZATION, INSTALLATION, FABRICATION OR CONSTRUCTION OF ITEMS CONTAINED WITHIN THE SUBMITTALS.
8. SUBMITTALS SHALL BE DELIVERED TO THE STRUCTURAL ENGINEER TO ALLOW SUFFICIENT TIME, IN THE STRUCTURAL ENGINEER'S JUDGMENT, FOR A REASONABLE PERIOD FOR ADEQUATE REVIEW, ENFORCEMENT AGENCY APPROVAL AS REQUIRED AND RESPONSE SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. ALLOW THE STRUCTURAL ENGINEER THE GREATER SUBMITTAL REVIEW PERIOD OF: TEN (10) WORK DAYS; OR FIVE (5) WORK DAYS FOR EACH 100 SHEETS, OR PORTION THEREOF, FOR EACH SUBMITTAL. SUBMITTAL REVIEW PERIOD COMMENCES THE NEXT WORK DAY AFTER SUBMITTAL RECEIPT BY THE STRUCTURAL ENGINEER. CONCURRENT SUBMITTALS OF MULTIPLE PORTIONS OF THE SAME SUBMITTAL ITEM WILL BE REVIEWED IN THEIR ENTIRETY AS ONE SUBMITTAL SUBJECT TO THE REVIEW PERIOD LIMITATION ABOVE. SCHEDULE SUBMITTAL REVIEWS AND CONSTRUCTION ACCORDINGLY.
9. REVIEW OF SUBMITTALS BY THE STRUCTURAL ENGINEER WILL INCLUDE CHECKING FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONSTRUCTION DOCUMENTS. IT WILL NOT INCLUDE REVIEW OF THE ACCURACY OR COMPLETENESS OF ITEMS SUCH AS QUANTITIES, DIMENSIONS, WEIGHTS OR GAUGES, FABRICATION PROCESSES, CONSTRUCTION MEANS OR METHODS, COORDINATION WITH THE WORK OF OTHER TRADES, OR CONSTRUCTION SAFETY PRECAUTIONS. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE THAT THE STRUCTURAL ENGINEER HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO THE STRUCTURAL ENGINEER'S ATTENTION IN WRITING.
10. SUBMITTALS PROCESSED BY THE STRUCTURAL ENGINEER ARE NOT CHANGE ORDERS.
11. SUBMITTALS THAT WILL REQUIRE ADDITIONAL REVIEW, IN THE STRUCTURAL ENGINEER'S JUDGMENT, WILL BE MARKED "RESUBMIT". THE SUBMITTAL SHALL BE REVISED AND RESUBMITTED FOR RE-REVIEW AND IS SUBJECT TO ALL THE REQUIREMENTS OF THE INITIAL SUBMITTAL. PROVIDE OWNER REIMBURSEMENT FOR STRUCTURAL ENGINEER COSTS INCURRED TO RE-REVIEW SUBMITTALS.
12. SUBMITTALS THAT HAVE BEEN REVIEWED AND RETURNED BY THE STRUCTURAL ENGINEER, REGARDLESS OF MARKINGS ON THE SUBMITTALS, SHALL NOT BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.
13. THE MINIMUM REQUIRED STRUCTURAL SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING MARKED ITEMS:
   - □ PILE FABRICATION DRAWINGS AND CALCULATIONS
   - ■ CONCRETE MIX DESIGNS AND SUBSTANTIATING TEST DATA
   - ■ CONCRETE REINFORCING PLACEMENT DRAWINGS
   - ■ CONCRETE PRODUCT CERTIFICATION AND DATA SHEETS
   - □ CONCRETE SLAB JOINT LAYOUT
   - ■ MASONRY REINFORCING PLACEMENT DRAWINGS
   - ■ MASONRY GROUT MIX DESIGNS AND SUBSTANTIATING TEST DATA
   - ■ MASONRY MORTAR MIX DESIGNS
   - □ MASONRY PRODUCT CERTIFICATION AND DATA SHEETS
   - □ STRUCTURAL STEEL SHOP DRAWINGS
   - □ STEEL DECK PLACEMENT DRAWINGS AND DATA SHEETS
   - □ WELDING PROCEDURE SPECIFICATIONS
   - □ METAL-PLATE-CONNECTED WOOD TRUSS PLACEMENT DRAWINGS AND CALCULATIONS
   - □ WOOD I-JOIST PLACEMENT DRAWINGS AND CALCULATIONS
   - □ METAL WEB WOOD JOIST PLACEMENT DRAWINGS AND CALCULATIONS
   - □ GLUED-LAMINATED TIMBER FABRICATION AND PLACEMENT DRAWINGS AND CERTIFICATIONS
   - □ PRE-ENGINEERED LUMBER CERTIFICATIONS AND DATASHEETS
   - □ OPEN WEB STEEL JOIST PLACEMENT DRAWINGS AND CALCULATIONS
   - □ PRE-ENGINEERED STEEL STAIR SHOP DRAWINGS AND CALCULATIONS
   - □ COLD-FORMED STEEL FRAMING PRODUCTS, ACCESSORIES, DATA SHEETS AND CALCULATIONS

STRUCTURAL TESTING & INSPECTION

S- 014500_N002A
181002. Q2

1. SPECIAL INSPECTION IS DEFINED AS THE INSPECTION OF THE MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
2. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS DURING CONSTRUCTION FOR ITEMS NOTED IN DSA FORM 103.
3. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE ENFORCEMENT AGENCY AND THE ARCHITECT/STRUCTURAL ENGINEER, FOR THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
4. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE ENFORCEMENT AGENCY, OWNER, CONTRACTOR AND ARCHITECT/STRUCTURAL ENGINEER. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS.
5. DISCREPANCIES IN THE INSPECTED WORK SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENFORCEMENT AGENCY, OWNER, CONTRACTOR AND ARCHITECT/STRUCTURAL ENGINEER PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.
6. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY, OWNER, CONTRACTOR AND ARCHITECT/STRUCTURAL ENGINEER AT THE COMPLETION OF THE WORK INCLUDED IN THE CONSTRUCTION DOCUMENTS.
7. SCHEDULE AND COORDINATE ALL STRUCTURAL TESTS AND SPECIAL INSPECTIONS. NOTIFY THE SPECIAL INSPECTOR 48 HOURS MINIMUM PRIOR TO PERFORMING ANY WORK REQUIRING THE SPECIAL INSPECTOR'S PRESENCE. COORDINATE WITH THE SPECIAL INSPECTOR SO THAT THE WORK REQUIRING THE TESTS AND INSPECTIONS NOTED ABOVE IS ACCESSIBLE AND EXPOSED FOR TESTING AND INSPECTION PURPOSES. REMOVE AND/OR REPLACE MATERIALS AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER TO ALLOW TESTS AND INSPECTIONS.

STRUCTURAL OBSERVATION

S- 014500_N001A
241206. Q2

1. STRUCTURAL OBSERVATION IS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM BY THE STRUCTURAL OBSERVER (THE STRUCTURAL ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE WHEN DELEGATED BY THE STRUCTURAL ENGINEER) FOR GENERAL CONFORMANCE TO THE ENFORCEMENT AGENCY APPROVED CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM.
2. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY THE ENFORCEMENT AGENCY OR BY OTHER SECTIONS OF THE BUILDING CODE. REQUIRED INSPECTIONS DO NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR STRUCTURAL OBSERVATION.
3. STRUCTURAL OBSERVATION DOES NOT INCLUDE THE SUPERVISION OF CONSTRUCTION FOR PROPER EXECUTION OF THE WORK SHOWN IN THE CONSTRUCTION DOCUMENTS.
4. THE FOLLOWING COMPLETED CONSTRUCTION STAGES MARKED ARE SUBJECT TO STRUCTURAL OBSERVATION IF DEEMED NECESSARY DURING CONSTRUCTION BY THE STRUCTURAL OBSERVER:
   - ■ FOUNDATION EXCAVATIONS AND REINFORCEMENT PRIOR TO CONCRETE PLACEMENT
   - □ FORMWORK CONSTRUCTION AND REINFORCEMENT PRIOR TO CONCRETE PLACEMENT
   - □ CONCRETE TILT-UP PANEL INSTALLATION
   - □ CONCRETE PRE-CAST ELEMENT PANEL INSTALLATION
   - ■ MASONRY INSTALLATION AND REINFORCEMENT PRIOR TO GROUT PLACEMENT
   - □ STEEL FRAMING ERECTION
   - □ STEEL DECK INSTALLATION AND REINFORCEMENT PRIOR TO CONCRETE FILL PLACEMENT
   - □ STEEL DECK INSTALLATION ON FRAMING
   - □ WOOD FRAMING ERECTION
   - □ WOOD STRUCTURAL PANEL INSTALLATION ON FRAMING
   - □ WOOD HARDWARE AND CONNECTOR INSTALLATION ON STRUCTURAL FRAMING
   - □ COLD-FORMED STEEL FRAMING ERECTION
   - □ PRE-FABRICATED STRUCTURAL ELEMENT INSTALLATION
   - □ PRIOR TO THE CLOSING OF ANY PHASE
   - □ STRUCTURAL SYSTEM COMPLETION
5. NOTIFY THE STRUCTURAL OBSERVER 2 WORK DAYS MINIMUM IN ADVANCE OF THE COMPLETION OF THE ABOVE CONSTRUCTION STAGES TO FACILITATE STRUCTURAL OBSERVATIONS BY THE STRUCTURAL OBSERVER. STRUCTURAL OBSERVATION SHALL BE SCHEDULED TO ALLOW ADEQUATE TIME TO PERFORM ALL CORRECTIVE WORK REQUIRED BY OBSERVATION REPORT.
6. COORDINATE WITH THE STRUCTURAL OBSERVER SO THAT THE WORK FOR THE CONSTRUCTION STAGES NOTED ABOVE IS ACCESSIBLE AND EXPOSED FOR STRUCTURAL OBSERVATION PURPOSES. REMOVE AND/OR REPLACE MATERIALS AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER TO ALLOW STRUCTURAL OBSERVATION.
7. DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOTED DURING STRUCTURAL OBSERVATIONS SHALL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER.
8. PROVIDE OWNER REIMBURSEMENT FOR DESIGN PROFESSIONAL COSTS INCURRED TO CORRECT DEVIATIONS AND TO MAKE REVISIONS TO THE CONSTRUCTION DOCUMENTS, INCLUDING OBTAINMENT OF ENFORCEMENT AGENCY APPROVAL AS REQUIRED.
9. CORRECTIVE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ENFORCEMENT AGENCY APPROVED CONSTRUCTION DOCUMENTS AND THE BUILDING CODE.
10. AT THE COMPLETION OF THE WORK INCLUDED IN THE CONSTRUCTION DOCUMENTS, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE ENFORCEMENT AGENCY A WRITTEN STATEMENT THAT THE STRUCTURAL OBSERVATIONS HAVE BEEN MADE AND IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.

FOUNDATION AND EARTHWORK

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170125. Q2

1. ALL FOUNDATION AND EARTHWORK INCLUDING, BUT NOT LIMITED TO, EXCAVATION, GRADING, FILLING, SUB-GRADE PREPARATION, SOIL TREATMENT, ASSOCIATED SITE WORK, TRENCHING AND BACKFILLING SHALL BE PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
2. THE GEOTECHNICAL INFORMATION PROVIDED IS BASED UPON A GEOTECHNICAL REPORT PROVIDED BY THE OWNER FOR THIS PROJECT. THE GEOTECHNICAL REPORT WAS USED FOR THE DESIGN INDICATED IN THESE CONSTRUCTION DOCUMENTS. THE GEOTECHNICAL REPORT AND THE RECOMMENDATIONS CONTAINED THEREIN SHALL BE USED IN CONJUNCTION WITH THE CONSTRUCTION DOCUMENTS. COMPLY WITH THE REQUIREMENTS AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT.
3. THE GEOTECHNICAL INFORMATION PROVIDED IS NOT A WARRANTY OF THE SITE OR SUBSURFACE CONDITIONS. PRIOR TO BIDDING AND AT NO COST TO THE OWNER, SITE VISITS TO INVESTIGATE OR TO PERFORM ADDITIONAL SUBSURFACE INVESTIGATIONS MAY BE MADE TO DETERMINE THE EXISTING CONDITIONS. SUCH INVESTIGATIONS MAY BE PERFORMED ONLY UNDER TIME SCHEDULES AND ARRANGEMENTS APPROVED BY THE OWNER IN ADVANCE.
4. AN OWNER-RETAINED SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER SHALL PROVIDE TESTING AND INSPECTION SERVICES DURING ALL FOUNDATION AND EARTHWORK. PRIOR TO REQUESTING AN ENFORCEMENT AGENCY FOUNDATION INSPECTION, OBTAIN WRITTEN DOCUMENTATION FROM THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER THAT THE FOUNDATION AND EARTHWORK IS IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.
5. NOTIFY THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER 48 HOURS IN ADVANCE OF THE TIME WHEN THE FOUNDATION EXCAVATIONS AND EARTHWORK WILL BE COMPLETE AND READY FOR FORMS OR REINFORCING PLACEMENT. NO FORMS OR REINFORCING SHALL BE PLACED IN ANY FOUNDATION UNTIL THE EXCAVATION HAS BEEN INSPECTED AND APPROVED BY THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER.
6. FOUNDATIONS SHALL EXTEND INTO FIRM BEARING IN UNDISTURBED SOIL, OR WHERE REQUIRED, IN COMPACTED FILL MATERIAL OR CONTROLLED LOW-STRENGTH MATERIAL PER THE CONSTRUCTION DOCUMENTS. FOUNDATION DEPTHS SHOWN ON THE CONSTRUCTION DOCUMENTS ARE MINIMUM DEPTHS ONLY. FOUNDATION EXCAVATIONS MAY BE REQUIRED TO BE OVER-EXCAVATED TO REACH SUITABLE BEARING MATERIAL. WHERE THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER HAS DETERMINED OVER-EXCAVATION IS REQUIRED, THE REMOVED MATERIAL MAY BE REPLACED WITH COMPACTED FILL MATERIAL OR CONTROLLED LOW-STRENGTH MATERIAL PER THE CONSTRUCTION DOCUMENTS.
7. FOUNDATIONS BELOW GRADE SHALL BE FORMED UNLESS WRITTEN DOCUMENTATION PERMITTING UNFORMED FOOTINGS IS OBTAINED FROM THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER. FORWARD WRITTEN DOCUMENTATION TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO THE START OF FOUNDATION EXCAVATIONS. THE SIDES OF UNFORMED FOUNDATION EXCAVATIONS MUST BE ABLE TO STAND WITHOUT CAVING OR SLOUGHING. PROVIDE FORMS OR PROTECTION AS REQUIRED TO PREVENT SLOUGHING OF SOIL INTO EXCAVATIONS. WHERE UNFORMED FOUNDATIONS ARE USED, COORDINATE AND COMPLY WITH THE CONCRETE PROTECTION REQUIREMENTS FOR REINFORCEMENT PLACED ADJACENT TO EARTH. FOUNDATIONS ABOVE GRADE SHALL BE FORMED. ALL FORMS SHALL BE REMOVED ABOVE OR BELOW GRADE, UNLESS OTHERWISE NOTED.
8. THE TOP SURFACE OF FOUNDATIONS SHALL BE LEVEL. THE BOTTOM SURFACE OF FOUNDATIONS IS PERMITTED TO HAVE A SLOPE NOT EXCEEDING ONE UNIT VERTICAL IN TEN UNITS HORIZONTAL. FOOTINGS SHALL BE STEPPED WHERE IT IS NECESSARY TO CHANGE THE ELEVATION OF THE TOP SURFACE OF THE FOOTING OR WHERE THE SURFACE OF THE GROUND AND/OR BOTTOM SURFACE OF THE FOOTINGS SLOPES MORE THAN ONE UNIT VERTICAL IN TEN UNITS HORIZONTAL. STEP FOOTINGS AS REQUIRED PER TYPICAL DETAILS.
9. FOUNDATION DEPTHS SHOWN ON THE CONSTRUCTION DOCUMENTS ARE MINIMUM DEPTHS ONLY AND DO NOT NECESSARILY ACCOUNT FOR ALL PIPES, CONDUITS, UTILITIES AND TRENCHES ADJACENT TO OR CROSSING FOOTINGS AS REQUIRED BY ALL OTHER CONSTRUCTION DOCUMENTS. STEP FOOTINGS TO COMPLY WITH THE REQUIREMENTS OF TYPICAL DETAILS FOR PIPES AND CONDUITS AT FOOTINGS.
10. FOR DAMP-PROOFING, WATER-PROOFING AND DRAINAGE SYSTEMS ADJACENT TO FOUNDATIONS, SEE ALL OTHER CONSTRUCTION DOCUMENTS.
11. FOUNDATION ELEMENTS SHOWN ARE INDICATED IN THEIR COMPLETED LOCATION AND CONDITION. FILL AROUND FOUNDATION ELEMENTS SHALL BE PLACED IN LIFTS AND COMPACTED IN A MANNER THAT DOES NOT DAMAGE OR MOVE THE FOUNDATION, WATER-PROOFING OR DAMP-PROOFING. SHORE AND ADEQUATELY SUPPORT FOUNDATION ELEMENTS WHILE PLACING FILL UNTIL THE FOUNDATION ELEMENTS AND THEIR SUPPORTING STRUCTURAL ELEMENTS HAVE BEEN COMPLETED AND ATTAINED THEIR REQUIRED DESIGN STRENGTHS.
12. FOUNDATION EXCAVATIONS SHALL BE CLEANED OF DEBRIS, LOOSE SOIL AND STANDING WATER DURING CONSTRUCTION AND IMMEDIATELY PRIOR TO CONCRETE PLACEMENT. PROVIDE FOR DE-WATERING IF WATER IS PRESENT IN THE EXCAVATIONS DUE TO ANY SOURCE. AT DRILLED PIERS, FOLLOW GEOTECHNICAL REQUIREMENTS FOR PLACEMENT WITH WATER IN PIER EXCAVATION.
13. FOUNDATION EXCAVATIONS SHALL BE MADE TO THE SIZES AND SHAPES REQUIRED BY THE CONSTRUCTION DOCUMENTS. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
14. EXTERIOR FINISHED GRADES OR SURFACES SHALL HAVE POSITIVE DRAINAGE AWAY FROM FOUNDATIONS. GROUND SURFACES WITHIN TEN FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 5%. PAVED SURFACES WITHIN TEN FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2%. PLANTERS SHALL HAVE ADEQUATE SURFACE DRAINAGE TO PREVENT STANDING WATER ADJACENT TO THE FOUNDATIONS.
15. WHERE EXCAVATIONS OCCUR ADJACENT TO EXISTING STRUCTURES, PROVIDE ADEQUATE UNDERPINNING, SHORING OR SUPPORT TO PREVENT SETTLEMENT AND LATERAL MOVEMENT OF THE EXISTING FOUNDATIONS. FOUNDATIONS ADJACENT TO EXISTING FOUNDATIONS SHALL PENETRATE A MINIMUM OF THE SAME DEPTH AS EXISTING, UNLESS OTHERWISE NOTED.
16. FOUNDATION SIZES SHALL BE AS REQUIRED ON THE CONSTRUCTION DOCUMENTS. THE MINIMUM DEPTH NOTED SHALL BE BELOW THE ADJACENT UNDISTURBED GROUND SURFACE. THE MINIMUM DEPTH SHALL ALSO EXTEND BELOW THE FROST LINE OF THE LOCALITY. FOOTINGS SHALL NOT BEAR ON FROZEN SOIL.

REINFORCED MASONRY

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250311. Q2

1. MASONRY WORK, MATERIALS, CONSTRUCTION, AND QUALITY SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODE, TMS 402 AND TMS 602.
2. COMPLETED MASONRY ASSEMBLIES SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH (F'M) OF 2,000 PSI MINIMUM. COMPRESSIVE STRENGTH SHALL BE VERIFIED BY THE UNIT STRENGTH METHOD.
3. HOLLOW AND SOLID CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 WITH A MAXIMUM OVEN DRY DENSITY OF 135 PCF. UNITS SHALL HAVE A NET AREA COMPRESSIVE STRENGTH OF 2,000 PSI MINIMUM.
4. MORTAR SHALL CONFORM TO ASTM C270-TYPE S.
5. MASONRY UNITS AND MORTAR SHALL CONFORM TO THE COLOR AND STYLE SPECIFIED BY THE ARCHITECT.
6. GROUT SHALL CONFORM TO ASTM C476 OR BE PROPORTIONED TO ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI MINIMUM AS TESTED PER ASTM C1019. THOROUGHLY MIX GROUT MATERIALS AND WATER TO PROVIDE ADEQUATE FLUIDITY FOR PLACEMENT WITHOUT SEGREGATION OR SEPARATION. MIX GROUT TO A CONSISTENCY THAT HAS A SLUMP BETWEEN 8 AND 11 INCHES. GROUT PROVIDED FOR POURS OVER 4'-0" IN HEIGHT SHALL CONTAIN AN ADMIXTURE OF THE TYPE THAT REDUCES EARLY WATER LOSS TO THE MASONRY UNITS AND PRODUCES AN EXPANSIVE ACTION IN THE PLASTIC GROUT SUFFICIENT TO OFFSET INITIAL SHRINKAGE AND PROMOTE BONDING OF THE GROUT TO ALL INTERIOR SURFACES OF THE MASONRY UNITS.
7. ADDITIVES AND ADMIXTURES SHALL NOT BE USED FOR MORTAR OR GROUT UNLESS ACCEPTABLE TO THE ENFORCEMENT AGENCY. ADDITIVES AND ADMIXTURES SHALL BE USED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND EVALUATION REPORTS. EVALUATION REPORTS SHALL HAVE A CURRENT AND VALID LISTING ISSUED BY AN ACCEPTABLE EVALUATION AGENCY. ANTI-FREEZE OR AIR ENTRAINMENT SUBSTANCES SHALL NOT BE USED.
8. REINFORCING BARS SHALL CONFORM TO ASTM A615-GRADE 60 OR ASTM A706-GRADE 60. THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS SHALL NOT EXCEED 1.3 TIMES THE SPECIFIED YIELD STRENGTH.
9. JOINT REINFORCEMENT SHALL CONFORM TO ASTM A951.
10. WIRE TIES/ANCHORS SHALL CONFORM TO ASTM A82.
11. SHEET METAL ANCHORS/TIES SHALL CONFORM TO ASTM A1008.
12. JOINT REINFORCEMENT, WIRE TIES/ANCHORS, AND SHEET METAL ANCHORS/TIES SHALL BE HOT-DIP GALVANIZED TO CONFORM TO ASTM A153.
13. ANCHOR BOLTS SHALL HAVE HEX HEADS AND CONFORM TO ASTM A307-GRADE A OR ASTM F1554-GRADE 36. ANCHOR RODS SHALL CONFORM TO ASTM F1554-GRADE 36 OR ASTM A36 WITH THREADED ENDS AND DOUBLE NUTS AT THE ANCHORED END. NUTS FOR BOLTS OR RODS SHALL CONFORM TO ASTM A563-GRADE A-HEX.
14. ROUGHEN CONCRETE BEARING SURFACES BY EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN THE CEMENT MATRIX. BEFORE PLACING MASONRY UNITS CLEAN BEARING SURFACES AND HORIZONTAL CONSTRUCTION JOINTS OF ALL LOOSE MATERIAL, DEBRIS AND MORTAR DROPPINGS.
15. HOLLOW-UNIT MASONRY SHALL BE BUILT TO MAINTAIN THE CLEAR AND UNOBSTRUCTED CONTINUITY OF THE VERTICAL AND HORIZONTAL CELLS TO BE GROUTED. USE TWO-CORE SINGLE OPEN END UNITS ARRANGED SO THAT CLOSED ENDS OF ADJACENT UNITS DO NOT ABUT UNO. WHERE STACK BOND PATTERN IS NOTED, USE TWO-CORE DOUBLE OPEN END UNITS.
16. MULTI-WYTHE MASONRY SHALL BE BUILT WITH SOLID UNITS IN THE OUTER WYTHES TO MAINTAIN THE CLEAR AND UNOBSTRUCTED CONTINUITY OF THE SPACE TO BE GROUTED. THE TWO WYTHES SHALL BE BONDED TOGETHER WITH NO 9 WIRE RECTANGULAR WALL TIES 4" WIDE BY LENGTH EQUAL TO 2" LESS THAN OVERALL WALL THICKNESS. KINKS, WATER DRIPS, OR DEFORMATIONS ARE NOT PERMITTED IN THE WALL TIES. WALL TIES SHALL BE SPACED AT 36" OC MAX HORIZONTALLY AND 24" OC MAX VERTICALLY.
17. CONSTRUCT MASONRY IN RUNNING BOND PATTERN UNO. MAINTAIN BOND PATTERNS AT CORNERS, INTERSECTIONS AND SURFACES USING FULL UNITS. PROVIDE SPECIALTY OR CUT MASONRY UNITS WHEN REQUIRED. GROUTED SPACES SHALL NOT BE VISIBLE AT EXPOSED MASONRY SURFACES. TOOTHING OF MASONRY WALLS IS PROHIBITED. RAKING IS TO BE HELD TO A MINIMUM.
18. PLACE UNITS AND MORTAR TO PROVIDE CONSISTENT THICKNESS BED AND HEAD JOINTS UNO. TOOL MORTAR JOINTS CONCAVE UNO. REMOVE MORTAR PROTRUSIONS EXTENDING MORE THAN 1/4" INTO GROUTED SPACES. DURING PLACEMENT, REMOVE MORTAR DROPPINGS FROM HORIZONTAL CONSTRUCTION JOINTS, INTERIOR MASONRY SURFACES AND REINFORCING STEEL.
19. PLACE MORTAR AND MASONRY UNITS TO SOLIDLY FILL JOINTS AS FOLLOWS: BED JOINTS AT HOLLOW-UNIT FACE SHELLS, END WEBS, AND FULL HEIGHT CROSS WEBS; HEAD AND END JOINTS AT OPEN ENDS OF HOLLOW-UNITS FOR A MINIMUM DISTANCE FROM EACH FACE EQUAL TO THE FACE SHELL THICKNESS OF THE UNIT; HEAD AND END JOINTS AT CLOSED ENDS OF HOLLOW-UNITS; JOINT LOCATIONS NECESSARY TO CONFINE GROUT; BED, HEAD AND 3/4" OR LESS COLLAR JOINTS AT SOLID UNITS.
20. PLACE JOINT REINFORCEMENT SO THAT LONGITUDINAL WIRES ARE EMBEDDED IN MORTAR JOINTS WITH MINIMUM 6" LAP SPLICES. STAGGER ADJACENT LAP SPLICES WITH NO OVERLAP. PROVIDE MINIMUM MORTAR COVER OF 1/2" FROM INTERIOR SURFACES AND 5/8" FROM EXTERNAL SURFACES.
21. MINIMUM REBAR COVER FROM EXTERNAL MASONRY SURFACES EXPOSED TO EARTH OR WEATHER SHALL BE 2" FOR #6 REBAR AND LARGER, AND 1 1/2" FOR #5 REBAR AND SMALLER, UNO. MINIMUM REBAR COVER FROM EXTERNAL MASONRY SURFACES NOT EXPOSED TO EARTH OR WEATHER SHALL BE 1 1/2", UNO.
22. MINIMUM REBAR CLEARANCE TO INTERNAL MASONRY SURFACES SHALL BE THE GREATER OF ONE REBAR DIAMETER OR 1/2". HORIZONTAL REBAR CAN BEAR ON THE CROSS WEBS OF BOND BEAM UNITS. REBAR WITH HOOKS OR BENDS SHALL BE SKEWED WITHIN CELLS TO MAINTAIN REQUIRED CLEARANCE. CONSTRUCT MASONRY AND CUT UNITS TO MAINTAIN REQUIRED CLEARANCE.
23. THE MINIMUM CLEAR DISTANCE BETWEEN PARALLEL REBAR SHALL BE THE GREATER OF ONE REBAR DIAMETER OR 1". IN COLUMNS AND PILASTERS THE MINIMUM CLEAR DISTANCE BETWEEN VERTICAL REBAR SHALL BE THE GREATER OF ONE AND ONE-HALF REBAR DIAMETERS OR 1 1/2". THE SAME LIMITATIONS SHALL APPLY TO THE CLEAR DISTANCE BETWEEN A REBAR SPLICE AND ADJACENT SPLICES OR REBAR.
24. HOLD REINFORCING IN PLACE USING WIRE TIES OR SPACING/POSITIONER DEVICES. VERTICAL REINFORCING SHALL BE HELD IN POSITION AT TOP AND BOTTOM OF EACH GROUT POUR AND AT INTERVALS NOT TO EXCEED 192 REBAR DIAMETERS. HORIZONTAL REINFORCING SHALL BE HELD IN POSITION AT EACH END AND AT INTERVALS NOT TO EXCEED 192 REBAR DIAMETERS.
25. SPLICE VERTICAL REBAR WITH FOUNDATION DOWELS THAT MATCH GRADE, QUANTITY, SIZE AND SPACING. EXTEND DOWELS INTO FOOTINGS AND TERMINATE WITH A STANDARD HOOK 3" ABOVE BOTTOM OF FOOTING UNO. DOWELS SHALL BE STRAIGHT AND PLUMB.
26. PLACE VERTICAL REBAR IN CONTINUOUS VERTICAL CELLS. PLACE HORIZONTAL REBAR IN CONTINUOUS HORIZONTAL BOND BEAM UNITS. CONSTRUCT MASONRY AND CUT UNITS TO MAINTAIN THE CLEAR AND UNOBSTRUCTED CONTINUITY OF THE REINFORCED VERTICAL AND HORIZONTAL CELLS.
27. REBAR BENDS AND HOOKS SHALL COMPLY WITH TYPICAL DETAILS UNO. HAIR PINS AND 180 DEGREE HOOKS SHALL COMPLY WITH TYPICAL DETAIL FOR STIRRUPS, HOOPS AND TIES. DO NOT BEND REBAR AFTER IT IS EMBEDDED IN GROUT OR MORTAR.
28. REBAR SPLICES SHALL BE MADE BY FULL CONTACT LAP SPLICES. SPLICES FOR DIFFERENT REBAR SIZES SHALL BE THE LENGTH REQUIRED FOR THE LARGER REBAR. STAGGER ADJACENT LAP SPLICES WHERE REQUIRED FOR ADEQUATE GROUT FLOW. REBAR SHALL BE LAP SPLICED AS FOLLOWS UNO:
   #3 REBAR - 40 DIA = 15"
   #4 REBAR - 48 DIA = 24"
   #5 REBAR - 56 DIA = 35"
   #6 REBAR - 72 DIA = 54"
   #7 REBAR - 72 DIA = 63"
   #8 REBAR - 72 DIA = 72"
29. REINFORCEMENT AND EMBEDDED ITEMS SHALL BE PLACED AND ANCHORED TO PREVENT MOVEMENT PRIOR TO GROUTING. BOLTS SHALL BE SET WITH TEMPLATES OR EQUIVALENT MEANS. WHERE EMBEDDED ITEMS PASS THROUGH MASONRY SURFACES CUT A CLEAN HOLE TO PROVIDE A MINIMUM OF 1/2" GROUT ALL AROUND EMBEDDED ITEM.
30. LOW-LIFT AND HIGH-LIFT GROUTED CONSTRUCTION SHALL CONFORM TO BUILDING CODE REQUIREMENTS AND THE METHODS USED SHALL BE ACCEPTABLE TO THE ENFORCEMENT AGENCY. HIGH-LIFT GROUTING FOR GROUT POURS OVER 4'-0" IN HEIGHT MAY BE USED WHERE GROUT SPACE DIMENSIONS, OPENINGS, UNIT PATTERN ARRANGEMENTS, REINFORCING, AND EMBEDDED ITEMS DO NOT PREVENT THE FREE FLOW OF GROUT OR INHIBIT THE MECHANICAL CONSOLIDATION OF THE GROUT.
31. BEFORE GROUTING CLEAN SPACES TO BE GROUTED. REMOVE OVERHANGING MORTAR, MORTAR DROPPINGS, OBSTRUCTIONS AND DEBRIS FROM INSIDE OF SPACES TO BE GROUTED.
32. PROVIDE CLEANOUT OPENINGS IN THE BOTTOM COURSE OF MASONRY FOR EACH GROUT POUR OVER 5'-4" IN HEIGHT. CONSTRUCT OPENINGS OF SUFFICIENT SIZE AND SPACING TO PERMIT CLEANING OF GROUT SPACES, REMOVAL OF DEBRIS AND INSPECTION. AFTER CLEANING AND INSPECTION, CLOSE CLEANOUTS WITH MORTARED MASONRY BRACED TO RESIST GROUTING PRESSURES.
33. GROUT SHALL BE PLACED SUCH THAT SPACES TO BE GROUTED DO NOT CONTAIN VOIDS. SPACES TO BE GROUTED INCLUDE ALL CELLS, BOND BEAMS, VOIDS AND SPACES CREATED BY THE MASONRY CONSTRUCTION. SPACES TO BE GROUTED SHALL BE FILLED SOLIDLY WITH GROUT UNO. PARTIAL GROUTING IS NOT PERMITTED UNLESS SPECIFICALLY NOTED. GROUTING SHALL BE PERFORMED UNDER THE CONTINUOUS OBSERVATION OF A QUALIFIED INSPECTOR.
34. THE GROUTING OF ANY SECTION OF WALL SHALL BE COMPLETED IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER PROVIDE HORIZONTAL GROUT CONSTRUCTION JOINTS. DO NOT FORM HORIZONTAL GROUT CONSTRUCTION JOINTS IN BEAMS OR LINTELS.
35. THE SECTION OF WALL TO BE GROUTED IN ANY ONE POUR IS LIMITED TO A LENGTH IN WHICH SUCCESSIVE LIFTS CAN BE PLACED WITHIN ONE HOUR OF THE PRECEDING LIFTS. CONSTRUCT FULL-HEIGHT VERTICAL GROUT BARRIERS BETWEEN POUR SECTIONS TO CONTROL THE HORIZONTAL FLOW OF GROUT.
36. GROUT SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACEMENT BEFORE LOSS OF PLASTICITY IN A MANNER TO FILL THE GROUT SPACE. GROUT POURS GREATER THAN 12" IN HEIGHT SHALL BE RECONSOLIDATED BY MECHANICAL VIBRATION TO MINIMIZE VOIDS DUE TO WATER LOSS. GROUT RECONSOLIDATION SHALL OCCUR AFTER EXCESS MOISTURE HAS BEEN ABSORBED BUT BEFORE WORKABILITY HAS BEEN LOST.
37. PREPARE, CONSTRUCT AND PROTECT MASONRY WORK FROM THE WEATHER UNTIL GROUTED AND CURED. IMPLEMENT COLD WEATHER CONSTRUCTION PROCEDURES WHEN THE AIR TEMPERATURE FALLS BELOW 40 DEG F. IMPLEMENT HOT WEATHER CONSTRUCTION PROCEDURES WHEN THE AIR TEMPERATURE EXCEEDS 90 DEG F.
38. CLEAN EXPOSED MASONRY SURFACES TO REMOVE STAINS, EFFLORESCENCE, MORTAR OR GROUT DROPPINGS, AND DEBRIS.

REINFORCED CONCRETE

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1. CONCRETE MATERIALS, QUALITY CONTROL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318.
   - SEE CONCRETE MIX DESIGN TABLE FOR REQUIRED CONCRETE PROPERTIES.
2. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE II. BLENDED CEMENT SHALL CONFORM TO ASTM C595, TYPE IL.
3. AGGREGATES SHALL CONFORM TO ASTM C33 FOR NORMAL-WEIGHT AND ASTM C330 FOR LIGHTWEIGHT CONCRETE. MAXIMUM AGGREGATE SIZE USED IN MIXES SHALL BE APPROPRIATE FOR FORM AND REBAR CLEARANCES TO BE ENCOUNTERED.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A706, GRADE 60, OR ASTM A615, GRADE 60.
5. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60. WELD FILLER METAL FOR REINFORCING STEEL SHALL COMPLY WITH AWS D1.4, Fu=80 KSI. WELDING SHALL CONFORM WITH AWS D1.4.
6. WELDED WIRE REINFORCEMENT SHALL BE COMPOSED OF FLAT SHEETS AND CONFORM TO ASTM A1064.
7. DIMENSIONS LOCATING REINFORCING STEEL ARE TO THE FACE OF REINFORCING STEEL AND DENOTE CLEAR COVERAGE. MINIMUM CONCRETE COVER SHALL BE AS FOLLOWS, UNO:
   A. CONCRETE CAST AGAINST EARTH (EXCEPT SLAB ON GRADE) - 3"
      - SLAB ON GRADE - CENTER REINF IN SLAB, UNO
   B. CONCRETE FORMED & EXPOSED TO EARTH OR WEATHER:
      - #6 THRU #18 BARS - 2"
      - #5 BAR, W31 OR D31 WIRE, & SMALLER - 1 1/2"
   C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND:
      - BEAMS & COLUMNS - 1 1/2"
      - SLABS & WALLS: #14 & #18 BARS - 1 1/2", #11 BAR & SMALLER - 3/4"
8. SPLICES IN CONTINUOUS REINFORCING SHALL BE LAPPED AS NOTED IN THE TYPICAL DETAIL, UNO. SPLICES IN ADJACENT BARS SHALL BE STAGGERED SO THERE IS NO OVERLAP. LAP SPLICES OF #14 & #18 REBAR IS NOT PERMITTED AND BARS SHALL BE CONTINUOUS ONE PIECE FOR THE FULL LENGTH SHOWN. LAP SPLICES OF REBAR IN A BUNDLE SHALL BE EQUAL TO THE LAP SPLICE LENGTH REQUIRED FOR THE INDIVIDUAL BARS WITHIN THE BUNDLE MULTIPLIED BY 1.33. INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP. ENTIRE BUNDLES SHALL NOT BE LAP SPLICED.
9. PROVIDE FOUNDATION DOWELS TO MATCH GRADE, QUANTITY, SIZE & SPACING OF WALL/COLUMN REINFORCEMENT. EXTEND DOWELS INTO FOOTINGS AND TERMINATE WITH A STANDARD HOOK 3" ABOVE BOTTOM OF FOOTING, UNO. PROVIDE STANDARD LAP AT DOWELS TO EACH WALL/COLUMN REBAR.
10. HOOKS SHALL BE STANDARD HOOKS, UNO.
11. ITEMS TO BE EMBEDDED IN CONCRETE, SUCH AS REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC SHALL BE SECURELY TIED AND SUPPORTED PRIOR TO PLACING CONCRETE.
12. SURFACE OF CONSTRUCTION JOINTS SHALL BE CLEANED AND LAITANCE REMOVED. IMMEDIATELY BEFORE CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE WETTED AND STANDING WATER REMOVED. CONSTRUCTION JOINT SURFACES SHALL BE ROUGHENED TO A 1/4" MINIMUM AMPLITUDE, UNO.
13. FORM 3/4" CHAMFER AT ALL EXPOSED WALL AND COLUMN EDGES AND CORNERS, UNO.
14. EXTERIOR SLABS INCLUDING SIDEWALKS SHALL BE 4" MIN THICKNESS AND HAVE 6x6-W1.4xW1.4 WWR IN CENTER OF SLAB, UNO.
15. NO CONDUIT, PIPE, OR SLEEVES LARGER THAN 1" OD SHALL BE PLACED IN OR THROUGH CONCRETE BEAMS OR SLABS UNLESS SPECIFICALLY DETAILED AND APPROVED BY THE STRUCTURAL ENGINEER. CONDUIT OR PIPES 1" OD AND SMALLER SHALL BE SPACED & POSITIONED SUCH THAT THE EFFECTIVENESS OF THE REBAR IS NOT REDUCED.

CONCRETE MIX DESIGN

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MIX DESIGN TABLE

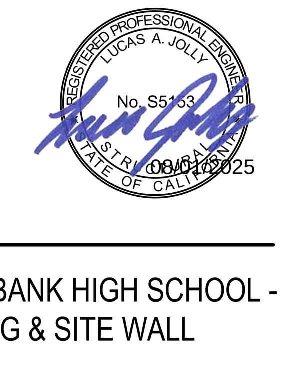
LOCATION	REQ SCM (% BY WEIGHT OF TOTAL CEMENTITIOUS MATERIALS)	REQ EARLY COMPRESSIVE STRENGTH (PSI)	REQ 28 DAY COMPRESSIVE STRENGTH (PSI)	AIR CONTENT	MAX W/C RATIO	MAX AIR-DRY WEIGHT (LBS/FT³)	ACI EXPOSURE CLASS
BELOW GRADE CONCRETE (FTGS, PIERS, GRADE BEAMS)	0 TO 25	-	3000	NONE	0.50	145	F0, S0, W0, C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123456 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/08/2025

LIONAKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL



PROJECT
LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
	06/18/2025	DSA APPROVAL

MANAGEMENT
LIONAKIS PROJECT NO: 024251
CLIENT PROJECT NO:
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TITLE
TYPICAL NOTES

SHEET
S-011

Autodesk Docs://024251 LBHS Fencing/024251_STRUMSTR_R24_CENTRAL.rvt
7/31/2025 2:48:58 PM

2"
1"
1/2"
0 1/4"
IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

ADHESIVE ANCHORS IN CONCRETE

S- 056000_N005A
250307. Q2

1. REFERENCES TO "EPOXY" OR "CHEMICAL" ANCHORS EMBEDDED IN CONCRETE SHALL REFER TO THESE NOTES.
2. ACCEPTABLE ADHESIVE PRODUCTS ARE:
   - "HILTI" HIT-RE 500 V3 (ICC ESR-3814)
   - "HILTI" HIT-HY 200 A/R V3 (ICC ESR-4868)
   - "SIMPSON" SET-3G (ICC ESR-4057)
   - "SIMPSON" AT-3G (ICC ESR-5026)
   - "DEWALT" PURE 110+ (ICC ESR-3298)
   - "DEWALT" AC200+ GOLD (ICC ER-4027)
3. THREADED ROD AND REBAR USED W/ ADHESIVE ANCHORS SHALL MEET THE REQUIREMENTS OF THE EVALUATION AGENCY REPORT.
4. EMBEDMENT DEPTHS SHALL BE 8 TIMES THE NOMINAL DIAMETER OF ANCHOR, UNO.
5. CONCRETE SHALL MEET THE SPECIFIED DESIGN STRENGTH PRIOR TO INSTALLATION, AND SHALL HAVE A MINIMUM AGE OF 21 DAYS, UNO.
6. TEST LOADS SHALL BE AS INDICATED IN DRAWINGS. IF NO TEST LOAD IS SPECIFIED, TEST LOAD SHALL BE 1000 LBS.

EXPANSION ANCHORS IN CONCRETE

S- 056000_N003A
210729. Q2

1. EMBEDMENT SHALL BE AS INDICATED IN THE TABLE BELOW, TYP UNO. ALL EMBEDMENTS SPECIFIED ARE NOMINAL EMBEDMENT DEPTHS. REFER TO EVALUATION AGENCY REPORT FOR EFFECTIVE EMBEDMENTS.

"HILTI" KWIK BOLT-TZ2 INSTALLED IN
NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (f'c = 3000 PSI MIN)
(ICC REPORT ESR 4266)

	GENERAL CONCRETE								
ANCHOR DIA	1/4"	3/8"	1/2"	5/8"	3/4"				
STD EMBED, Hnom TYP UNO	1 3/4"	2 1/2"	3 3/4"	4 1/2"	5 1/2"				
MIN CONC THICKNESS, T	3 1/4"	4"	5 1/2"	6"	8"				
CARBON STEEL TORQUE TEST LOAD (LB-FT)	4	30	50	40	110				
STAINLESS STEEL TORQUE TEST LOAD (LB-FT)	6	30	40	60	125				

"SIMPSON" STRONG-BOLT 2 INSTALLED IN
NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (f'c = 3000 PSI MIN)
(ICC REPORT ESR 3037)

	GENERAL CONCRETE								
ANCHOR DIA	1/4"	3/8"	1/2"	5/8"	3/4"				
STD EMBED, Hnom TYP UNO	1 3/4"	1 7/8"	3 7/8"	3 3/8"	4 1/8"				
MIN CONC THICKNESS, T	3 1/4"	3 1/4"	6"	5 1/2"	6 3/4"				
TORQUE TEST LOAD (LB-FT)	4	30	60	90	150				

"DEWALT" POWER-STUD+ SD2 INSTALLED IN
NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (f'c = 3000 PSI MIN)
(ICC REPORT ESR 2502)

	GENERAL CONCRETE								
ANCHOR DIA		3/8"	1/2"	5/8"	3/4"				
STD EMBED, Hnom TYP UNO		2 3/8"	3 3/4"	4 7/8"	5 3/4"				
MIN CONC THICKNESS, T		4"	5 3/4"	6 1/2"	10"				
TORQUE TEST LOAD (LB-FT)		20	40	60	110				



GENERAL CONC

POST INSTALLED ANCHORS

S- 056000_N002A
170127. Q2

THESE NOTES SHALL APPLY TO THE INSTALLATION, INSPECTION, AND TESTING OF EXPANSION, ADHESIVE, AND SCREW ANCHORS. USE SPECIFIC PRODUCTS WHERE INDICATED. IF A SPECIFIC PRODUCT / MANUFACTURER IS NOT NOTED, SELECT ANCHOR FROM THE PROVIDED TABLES BASED ON ANCHOR TYPE, DIAMETER AND BASE MATERIAL. POST-INSTALLED ANCHORS / REINFORCING ARE NOT PERMITTED TO REPLACE CAST-IN ANCHORS/REINFORCING UNLESS SPECIFICALLY NOTED.

INSTALLATION

1. INSTALL PER REQUIREMENTS OF THE EVALUATION AGENCY REPORT & MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS FOR THE SPECIFIC ANCHOR.
2. INSTALLATION OF ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS RESISTING SUSTAINED TENSION LOADS (AS SPECIFICALLY NOTED ON DETAILS) SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION SHALL INCLUDE A WRITTEN TEST AND PERFORMANCE TEST IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT. CERTIFICATION PROGRAM SHALL BE SUBMITTED TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
3. ANCHOR INSTALLATION SHALL MEET THE MINIMUM EMBEDMENT, EDGE DISTANCE, SPACING, AND BASE MATERIAL THICKNESS CRITERIA ESTABLISHED BY THE RELEVANT EVALUATION AGENCY REPORT & MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
4. ANCHOR INSTALLATION & CURE TEMPERATURES SHALL FOLLOW EVALUATION AGENCY REPORT & MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
5. WHEN INSTALLING ANCHORS IN CONCRETE OR MASONRY, DO NOT DAMAGE REINFORCING (REBAR AND/OR PRE/POST TENSIONED STRANDS). LOCATE ALL REINFORCING AT AFFECTED AREAS USING NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING ANCHORS. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN THE REINFORCEMENT AND THE ANCHOR.

INSPECTION

1. PROVIDE SPECIAL INSPECTION AS REQUIRED BY THE EVALUATION AGENCY REPORT AND ENFORCEMENT AGENCY. WHERE EVALUATION AGENCY REPORT PERMITS EITHER PERIODIC OR CONTINUOUS INSPECTION, USE CONTINUOUS.
2. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS RESISTING SUSTAINED TENSION LOADS (AS SPECIFICALLY NOTED ON DETAILS) SHALL BE CONTINUOUSLY INSPECTED BY AN INSPECTOR SPECIALLY APPROVED FOR THAT PURPOSE BY THE ENFORCEMENT AGENCY.

TESTING

1. TEST ANCHORS IN ACCORDANCE WITH THE EVALUATION AGENCY REPORT AND ENFORCEMENT AGENCY REQUIREMENTS FOR THE SPECIFIC ANCHOR AND IN ACCORDANCE WITH THE FREQUENCIES AND TEST METHODS LISTED BELOW.
2. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY AND STRUCTURAL ENGINEER.
3. REACTION LOADS FROM TEST FIXTURE(S) MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED BY THE FIXTURE(S) FROM WITHDRAWING.
4. TEST METHOD SHALL BE AS NOTED FOR SPECIFIC ANCHOR TYPES AND THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
   - HYDRAULIC RAM METHOD (TENSION TESTING):
     THE ANCHOR SHALL MAINTAIN THE TEST LOAD FOR 15 SECONDS AND SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.
   - TORQUE WRENCH METHOD (TORQUE TESTING):
     - THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:
     - ONE-HALF (1/2) TURN OF THE NUT, TYP UNO.
     - ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8" SLEEVE ANCHOR ONLY.
     - ONE-QUARTER (1/4) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD FOR SCREW ANCHORS.
5. TESTING FREQUENCIES SHALL BE AS INDICATED IN THE TABLE BELOW. WHEN MULTIPLE ANCHORS ARE USED IN A SINGLE GROUP OR CONNECTION, THE PERCENT OF ANCHORS TESTED AT EACH LOCATION SHALL BE AS INDICATED BELOW.
6. IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED SHALL BE TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS, THEN THE INITIAL TESTING FREQUENCY SHALL BE RESUMED.

TESTING FREQUENCY

APPLICATION	PERCENT OF ALL ANCHORS
SILL PLATE BOLTING AND REBAR AT SLAB ON GRADE, UNO	10 PERCENT
STRUCTURAL EXCLUDING SILL PLATE BOLTING	100 PERCENT
NON-STRUCTURAL INCLUDING EQUIPMENT ANCHORAGE	50 PERCENT

EXPANSION ANCHORS IN MASONRY

S- 056000_N006A
170127. Q2

1. EMBEDMENT SHALL BE AS INDICATED IN THE TABLE BELOW, TYP UNO.

"HILTI" KWIK BOLT TZ2 INSTALLED IN
GROUT-FILLED MASONRY WALLS (f'm = 1500 PSI MIN)
(ICC REPORT ESR 4561)

	IN FACE OF WALL (E = 1 3/8")					IN TOP OF WALL		
ANCHOR DIA	1/4"	3/8"	1/2"	5/8"	3/4"	3/8"	1/2"	5/8"
STD EMBED (h_{nom}) TYP UNO	1 3/4"	3"	3 3/4"	4 1/2"	5 1/2"	3"	3 3/4"	4 1/2"
TORQUE TEST LOAD (LB-FT)	4	15	25	30	50	15	25	30
TORQUE TEST LOAD STAINLESS STEEL (LB-FT)	6	15	25	35	50	15	25	35

"SIMPSON" STRONG-BOLT 2 INSTALLED IN
GROUT-FILLED MASONRY WALLS (f'm = 1500 PSI MIN)
(IAPMO REPORT ER 240)

	IN FACE OF WALL (E = 1 1/4")					IN TOP OF WALL		
ANCHOR DIA	1/4"	3/8"	1/2"	5/8"	3/4"		1/2"	5/8"
STD EMBED TYP UNO	1 3/4"	2 5/8"	3 1/2"	4 3/8"	5 1/4"		3 1/2"	4 3/8"
TORQUE TEST LOAD (LB-FT)	4	20	35	55	100		35	55

"DEWALT" POWER-STUD+ SD1 INSTALLED IN
GROUT-FILLED MASONRY WALLS (f'm = 1500 PSI MIN)
(ICC REPORT ESR 2966)

	IN FACE OF WALL (E = 1 3/8")				IN TOP OF WALL		
ANCHOR DIA		3/8"	1/2"	5/8"	3/8"	1/2"	5/8"
STD EMBED TYP UNO		2 3/8"	2 1/2"	3 3/8"	2 3/8"	2 1/2"	3 3/8"
TORQUE TEST LOAD (LB-FT)		20	40	50	20	40	50

ANCHOR PLACEMENT NOTES:

1. ANCHORS MUST BE INSTALLED A MINIMUM DISTANCE, E, FROM ANY VERTICAL MORTAR JOINT AS SHOWN.
2. ANCHOR LOCATIONS ARE LIMITED TO ONE PER MASONRY CELL WITH A MINIMUM SPACING OF 8" ON CENTER.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123456 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/08/2025

LIONAKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com
CONSULTANT

SEAL



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LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
	06/18/2025	DSA APPROVAL

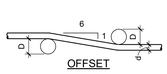
MANAGEMENT

LIONAKIS PROJECT NO: 024251
CLIENT PROJECT NO:
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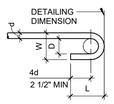
TITLE
TYPICAL NOTES

SHEET
S-012

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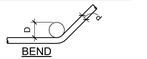
REBAR SIZE	DIA D	180 DEG HOOK		90 DEG HOOK
		W (TOL +/-)	L (TOL +/-)	W (TOL +/-)
#3	6xd	3" (1/2")	4" (1/2")	6" (1")
#4	6xd	4" (1/2")	4 1/2" (1/2")	8" (1")
#5	6xd	5" (1/2")	5" (1/2")	10" (1")
#6	6xd	6" (1/2")	6" (1/2")	12" (1")
#7	6xd	7" (1/2")	7" (1/2")	14" (1")
#8	6xd	8" (1/2")	8" (1/2")	16" (1")
#9	8xd	12" (1/2")	11" (1/2")	20" (1")
#10	8xd	13" (1/2")	12" (1/2")	22" (1")
#11	8xd	14" (1/2")	13" (1/2")	24" (1")
#14	10xd	21" (1 1/2")	17" (1 1/2")	31" (2 1/2")
#18	10xd	27" (2")	23" (2")	41" (3 1/2")

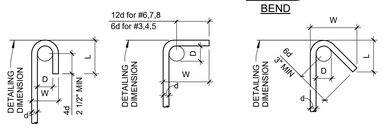
NOTES:
1. D = MINIMUM FINISHED INSIDE BEND DIA, d = NOMINAL REBAR DIAMETER
2. TOL = TOLERANCE (PER ACI 117)

1 TYP REBAR BENDS AND HOOKS

SCALE: NTS — S-_032000_T001A 140127

REBAR SIZE	DIA D	180 DEG HOOK		90 DEG HOOK	135 DEG HOOK	
		W (TOL +/-)	L (TOL +/-)	W (TOL +/-)	W (TOL +/-)	L (TOL +/-)
#3	4xd	2 1/4" (1/2")	3 3/4" (1/2")	3 1/2" (1")	4" (1/2")	3" (1/2")
#4	4xd	3" (1/2")	4" (1/2")	4 1/2" (1")	5" (1/2")	3" (1/2")
#5	4xd	3 3/4" (1/2")	4 1/2" (1/2")	5 3/4" (1")	6" (1/2")	4" (1/2")
#6	6xd	6" (1/2")	6" (1/2")	12" (1")	9" (1/2")	5 1/4" (1/2")
#7	6xd	7" (1/2")	7" (1/2")	14" (1")	10" (1/2")	6" (1/2")
#8	6xd	8" (1/2")	8" (1/2")	16" (1")	11" (1/2")	7" (1/2")





NOTES:
1. D = MINIMUM FINISHED INSIDE BEND DIA, d = NOMINAL REBAR DIAMETER
2. TOL = TOLERANCE (PER ACI 117)

2 TYP REBAR HOOP, STIRRUP, TIE HOOKS & BENDS

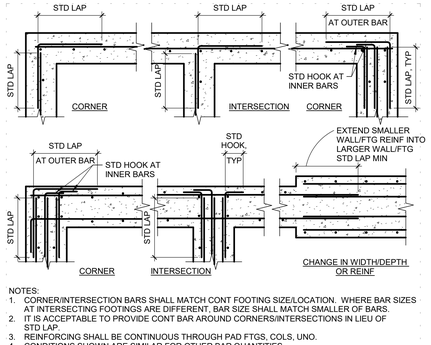
SCALE: NTS — S-_032000_T002A 140127

f'c (psi)		#3		#4		#5		#6		#7		#8		#9		#10		#11	
		NWC		NWC		NWC		NWC		NWC		NWC		NWC		NWC		NWC	
3,000	TOP	28		38		47		56		81		93		105		118		131	
	BOT	22		29		36		43		63		72		81		91		101	

NOTES:
1. ALL LAP SPLICES SHALL BE FULL CONTACT SPLICES, UNO.
2. ADJACENT REINFORCING BEING LAP SPLICED MUST MEET ONE OF THE FOLLOWING CONDITIONS:
   A. CASE 1: THE CLEAR SPACING OF THE BARS IS NOT LESS THAN ONE BAR DIAMETER, CLEAR COVER IS NOT LESS THAN ONE BAR DIAMETER, AND STIRRUPS OR TIES THROUGHOUT THE SPLICE LENGTH.
   B. CASE 2: THE CLEAR SPACING OF THE BARS IS NOT LESS THAN TWO BAR DIAMETERS AND THE CLEAR COVER IS NOT LESS THAN ONE BAR DIAMETER.
   C. FOR ALL OTHER CASES, MULTIPLY THE SPLICES SHOWN BY 1.5.
3. THE ABOVE VALUES ARE FOR: UNCOATED REINFORCEMENT, GRADE 60 REBAR, CLASS B.
4. TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF NEW CONCRETE PLACED BELOW THE BAR. BOTTOM BARS ARE ALL OTHER HORIZONTAL OR VERTICAL REINFORCEMENT.

3 TYP CONCRETE REBAR LAP SPLICE LENGTHS (INCHES)

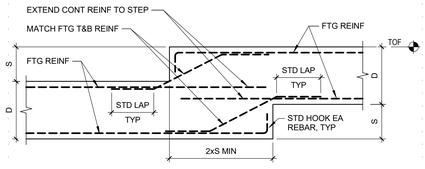
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NOTES:
1. CORNER/INTERSECTION BARS SHALL MATCH CONT FOOTING SIZE/LOCATION. WHERE BAR SIZES AT INTERSECTING FOOTINGS ARE DIFFERENT, BAR SIZE SHALL MATCH SMALLER OF BARS.
2. IT IS ACCEPTABLE TO PROVIDE CONT BAR AROUND CORNERS/INTERSECTIONS IN LIEU OF STD LAP.
3. REINFORCING SHALL BE CONTINUOUS THROUGH PAD FTGS, COLS, UNO.
4. CONDITIONS SHOWN ARE SIMILAR FOR OTHER BAR QUANTITIES.

5 TYP CONC FTG / WALL REINF AT CORNERS AND INTERSECTIONS

SCALE: NTS — S-_033000_T002A 200304

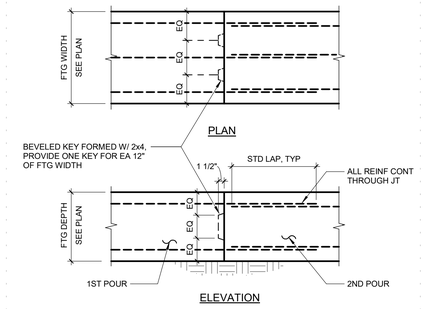


STEPPED TOP AND BOTTOM

NOTES:
1. D = DEPTH FTG, S = STEP AT FTG (1'-4" MAX).
2. TWO STEPS SHOWN. SINGLE STEPS OR MULTIPLE STEPS SIMILAR.
3. SEE PLANS FOR FOOTING SIZE AND REINFORCING.
4. VERT / TIE / DOWEL REINF NOT SHOWN FOR CLARITY. PROVIDE TYP TO BOT OF FOOTING & STEP.

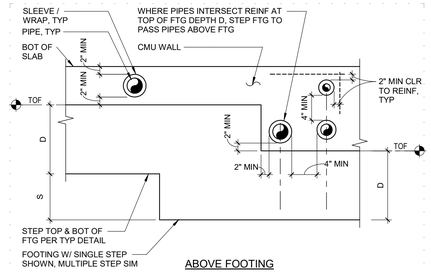
6 TYP STEPPED FOOTING

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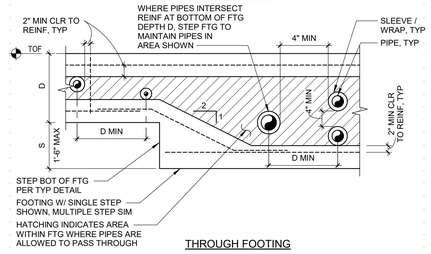


7 TYP CONSTRUCTION JOINT AT GRADE BEAM/CONTINUOUS FOOTING

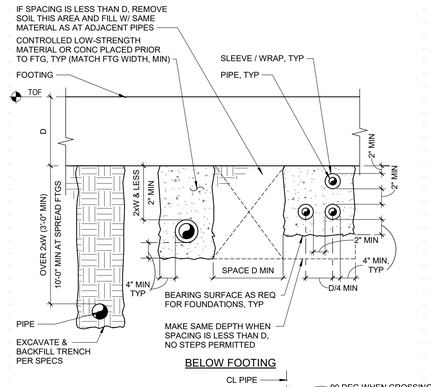
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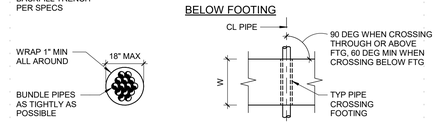
ABOVE FOOTING



THROUGH FOOTING



BELOW FOOTING

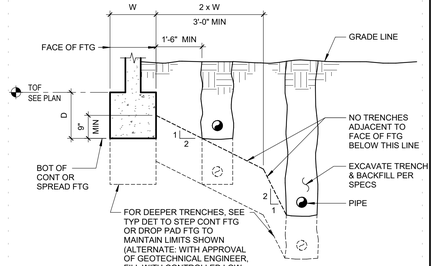


BUNDLED PIPE GROUPS — PLAN

NOTES:
1. D = DEPTH FOOTING, W = WIDTH FOOTING, S = STEP AT FOOTING.
2. PIPE AS NOTED SHALL REFER TO: PIPES, DUCTS, CONDUITS, ETC. ELECTRICAL CONDUITS 1" DIA OR LESS NEED NOT BE SLEEVED / WRAPPED.
3. THIS DETAIL APPLIES AT ALL 18" DIA PIPE & SMALLER.
4. THIS DETAIL SHALL APPLY IN ALL CASES WHERE A PIPE MUST CROSS A FOOTING. COORDINATE ELEVATIONS AND LOCATIONS OF ALL PIPES & FOOTINGS ACCORDINGLY. CONTACT STRUCTURAL ENGINEER FOR CONDITIONS NOT COVERED.
5. PIPES SHALL BE SLEEVED OR WRAPPED AS SHOWN. SLEEVE INSIDE DIAMETERS SHALL BE MIN 2" (4" FOR SPRINKLER PIPES 4" & LARGER) LARGER THAN PIPE OUTSIDE DIAMETER. CENTER PIPES WITHIN SLEEVE. PIPES IN PLACE PRIOR TO PLACING CONC MAY BE WRAPPED W/ 1" (2" FOR SPRINKLER PIPES 4" & LARGER) THICK COMPRESSIBLE FOAM INSTEAD OF SLEEVE.
6. SLEEVE / WRAP SHALL EXTEND THE FULL WIDTH OF FOOTING. SEAL ENDS OF SLEEVE / WRAP AS REQUIRED TO PREVENT WATER PENETRATION.
7. MULTIPLE PIPES SHALL COMPLY WITH THE HORIZONTAL AND VERTICAL SPACING SHOWN OR BE GROUPED INTO ONE LARGE BUNDLE WITHIN THE LIMITATIONS SHOWN. MULTIPLE BUNDLED PIPE GROUPS SHALL BE SPACED 4xD MIN OC.
8. PIPES AND SLEEVE / WRAP SHALL BE ADEQUATELY SUPPORTED AND SECURED AGAINST DISPLACEMENT BEFORE AND DURING CONCRETE PLACEMENT.
9. COORDINATE PIPE LOCATIONS SO THAT FOOTING REINFORCING IS NOT DISPLACED. MOVE PIPES TO MAINTAIN 2" CLR FROM REINFORCING TO SLEEVE / WRAP.
10. PIPES NEXT TO BUT NOT CROSSING FOOTING SHALL COMPLY WITH TYPICAL DETAIL FOR PIPE ADJACENT TO FOOTINGS.

15 TYP PIPE CROSSING FOOTINGS

SCALE: NTS — S-_033000_T016A 240524



NOTES:
1. W = WIDTH FTG, D = DEPTH FTG.
2. TRENCHING LIMITATIONS ARE SAME FOR BOTH FACES OF FOOTING.
3. MAINTAIN LIMITS SHOWN FOR WIDER OR SHALLOWER FTG BEYOND, WHERE OCCURS.
4. PIPE AS NOTED SHALL REFER TO: PIPES, DUCTS, CONDUITS, ETC.

17 TYP PIPE ADJACENT TO FOOTING

SCALE: NTS — S-_033000_T015A 150623

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LIONAKIS

2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL



PROJECT
LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
	06/18/2025	DSA APPROVAL

MANAGEMENT

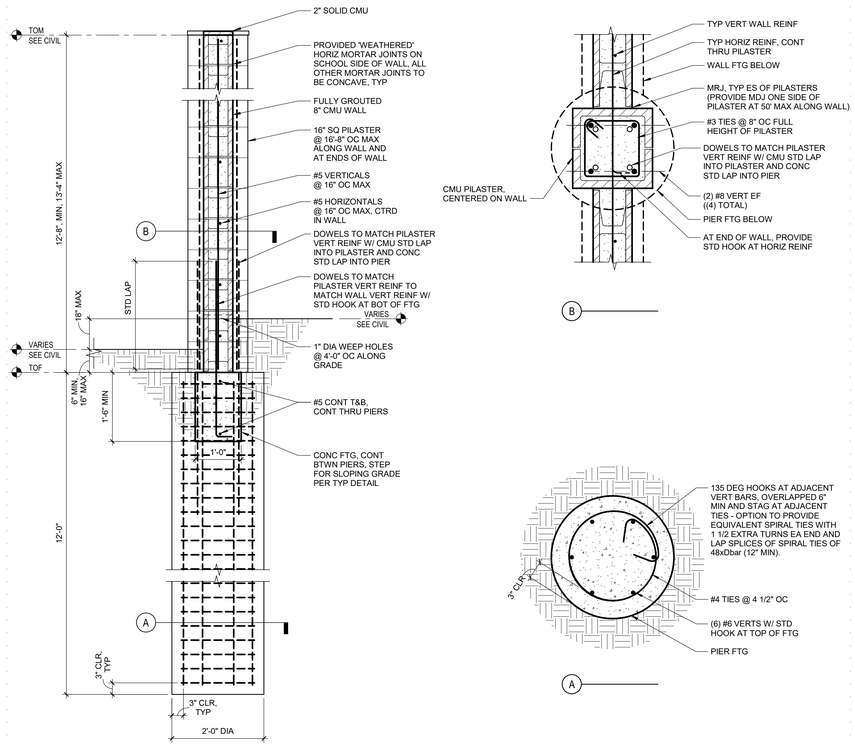
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TITLE
DETAILS - TYPICAL CONCRETE

SHEET
S-531

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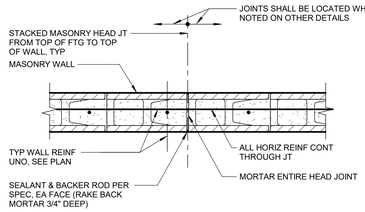
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2 SCREEN WALL

SCALE: NTS

Q2

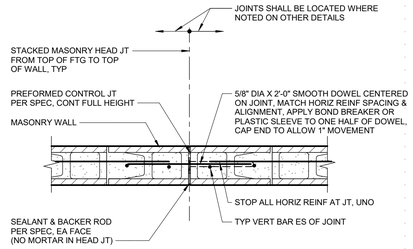


NOTES:
1. SEE PLANS AND DETAILS FOR WALL SIZE AND REINFORCING.

13 TYP MASONRY RAKE JOINT

SCALE: NTS

S-_048200_T010A
150427

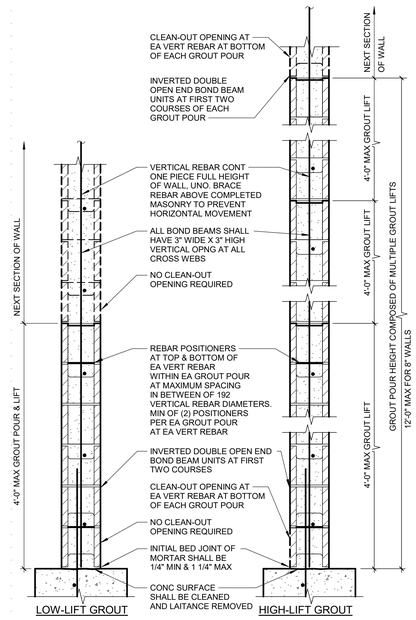


NOTES:
1. SEE PLANS AND DETAILS FOR WALL SIZE AND REINFORCING.

14 TYP MASONRY DOWEL JOINT

SCALE: NTS

S-_048200_T008A
190425

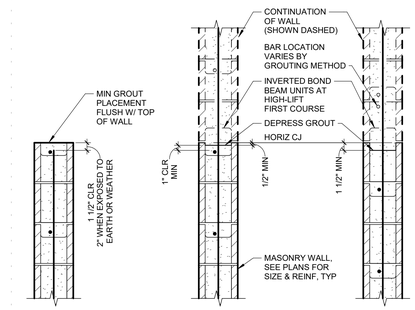


NOTES:
1. WALLS MAY BE CONSTRUCTED USING LOW-LIFT OR HIGH-LIFT GROUTING METHOD.
2. DO NOT PLACE GROUT UNTIL ALL MASONRY UNITS, TIES, REBAR, BOLTS, EMBEDDED ITEMS & CLEAN-OUT CLOSURES ARE IN PLACE & SECURED IN POSITION TO THE TOP OF EACH GROUT POUR. GROUT ALL CELLS SOLID.
3. PROVIDE GROUT CONSTRUCTION JOINT AT TOP OF EACH GROUT POUR, SEE TYP DETAIL.
4. AFTER LOWER SECTION IS GROUTED AND PROPERLY CURED, LAY-UP & GROUT NEXT SECTION OF WALL TO GROUT POUR HEIGHT LIMITATIONS NOTED.
5. GROUT LIFT AND GROUT POUR HEIGHTS SHALL NOT EXCEED THE CLEAR GROUT SPACE LIMITATIONS OF THE BUILDING CODE OR THE MAXIMUM HEIGHTS INDICATED. PRIOR TO MASONRY CONSTRUCTION PROVIDE GROUT DEMONSTRATION PANELS FOR ALTERNATE GROUT SPACES OR HEIGHTS.

18 TYP MASONRY GROUTING

SCALE: NTS

S-_048200_T017A
220302



19 TYP MASONRY GROUT CJ

SCALE: NTS

S-_048200_T006A
150706

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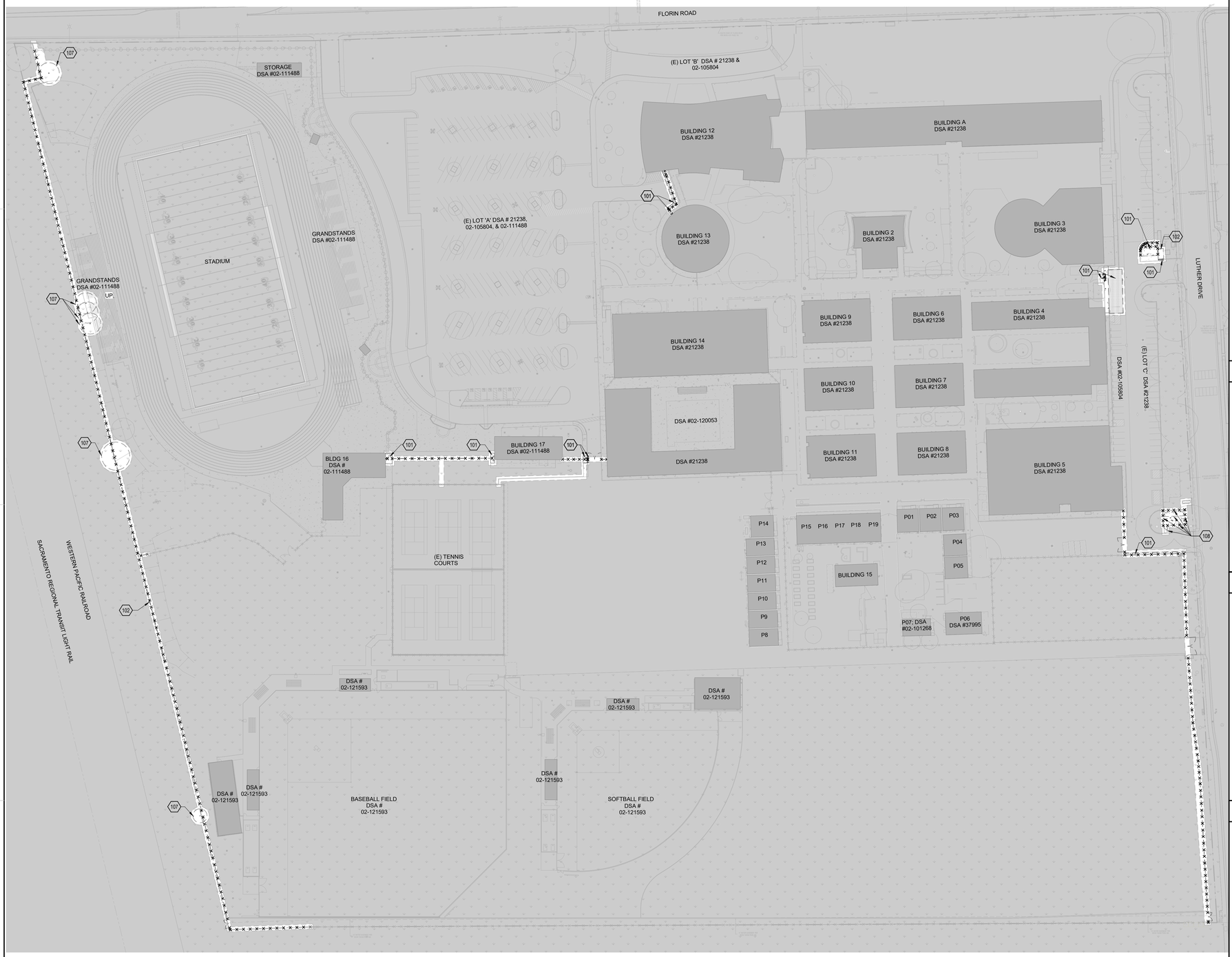
TITLE
DETAILS - MASONRY

SHEET
S-541

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1 OVERALL SITE DEMOLITION PLAN

SCALE 1" = 60'-0"

NORTH

GENERAL NOTES

A. GRAY LINES INDICATE EXISTING TO REMAIN OR REFERENCE

B. CONTRACTOR SHALL DEMO & TRANSPORT OFF SITE ALL ITEMS INCLUDED IN THE CONTRACT DOCUMENTS UNLESS NOTED OTHERWISE. THOSE ITEMS INCLUDE, BUT NOT LIMITED TO: FENCING, GATES, LANDSCAPE, TREES & ROOTS, AND OTHER MATERIALS AS REQUIRED TO PERFORM NEW WORK. ALL AREAS ON DEMOLITION PLANS ARE FOR REFERENCE ONLY.

C. CONTRACTOR SHALL PATCH AND REPAIR ALL ADJACENT AREAS AFFECTED BY DEMOLITION AS REQUIRED TO MATCH EXISTING CONDITIONS. ANYWHERE CONCRETE IS DISTURBED BY DEMOLITION, REPLACE CONCRETE IN KIND TO NEAREST (E) JOINT.

D. CONTRACTOR TO PREPARE A DEMOLITION SEQUENCING PLAN AND SUBMIT A PROPOSED DEMOLITION PROCEDURES FOR APPROVAL BEFORE WORK IS STARTED. INCLUDE IN THE PLAN PROCEDURES FOR CAREFUL REMOVAL AND DISPOSITION OF MATERIALS SPECIFIED TO BE SALVAGED, COORDINATION WITH OTHER WORK IN PROGRESS AND A DETAILED DESCRIPTION OF METHODS AND EQUIPMENT TO BE USED.

E. EXISTING UTILITIES SHALL STAY IN SERVICE. PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. ALL EXISTING FIRE HYDRANTS, WATER VALVES AND METERS AND ELECTRICAL BOXES SHALL REMAIN PROTECTED AND THEIR SERVICES MAINTAINED DURING DEMOLITION.

F. PRIOR TO BEGINNING WORK IN A SPECIFIC AREA OF THE SITE, CONTRACTOR SHALL LOCATE ALL NEARBY UTILITIES.

G. TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING ITEMS TO REMAIN IN PLACE OR TO REMAIN THE PROPERTY OF THE DISTRICT. REPAIR OR REPLACE DAMAGED ITEMS TO LIKE CONDITION PRIOR TO COMMENCEMENT OF DEMOLITION.

H. PROTECT EXISTING TREES WITHIN THE PROJECT SITE THAT ARE INDICATED TO REMAIN.

I. REMOVE RUBBISH AND DEBRIS FROM THE PROJECT SITE. DO NOT ALLOW ACCUMULATION INSIDE OR OUTSIDE THE BUILDINGS. STORE MATERIALS THAT CANNOT BE REMOVED DAILY IN AREAS SPECIFIED BY THE DISTRICT.

J. CONTRACTOR SHALL BE RESPONSIBLE FOR STORING ALL SALVAGED AND RECYCLED MATERIALS AND ITEMS. COORDINATE WITH THE DISTRICT ON ALL ITEMS NOTED TO BE TURNED OVER OR RETURNED TO THE DISTRICT.

K. FIELD VERIFY ALL (E) AREAS OF DEMOLITION TO DETERMINE SPECIFIC SCOPE OF DEMOLITION FOR EACH ITEM.

L. CONTRACTOR SHALL COORDINATE HAZARDOUS MATERIAL ABATEMENT PROCESS WITH OWNER.

M. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT LOCATION OF TEMPORARY FENCING. TEMPORARY FENCING SHALL ALLOW FIRE APPARATUS ACCESS DURING CONSTRUCTION PERIOD.

N. ALL SAFEGUARDS MUST BE ADHERED TO DURING CONSTRUCTION AND DEMOLITION PER CFC & CBC CHAPTER 33.

O. SEE OTHER DISCIPLINES FOR ADDITIONAL DEMOLITION SCOPE NOT NOTED HERE.

P. IF HAZARDOUS MATERIALS ARE ENCOUNTERED, CONTRACTOR SHALL COORDINATE HAZARDOUS MATERIAL ABATEMENT PROCESS WITH OWNER.

Q. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

R. PROVIDE CONSTRUCTION WASTE REDUCTION, DISPOSAL, AND RECYCLING AND DOCUMENTATION AS REQUIRED PER SECTION 5.408 OF CALGREEN

S. DEMO ALL HARDSCAPE AND SOFTSCAPE IN A PRECISE FASHION WITHOUT ROUGH EDGES AS REQUIRED TO INSTALL FENCE POSTS AND MOW STRIP.

T. AT NEW FENCE LOCATIONS IN (E) HARDSCAPE WHERE MOW STRIP IS NOT REQUIRED, REMOVE HARDSCAPE AT POST LOCATIONS AS REQUIRED TO INSTALL FOOTING AND POST. PROVIDE CLEAN HARDSCAPE REMOVAL AT THESE LOCATIONS WITHOUT OVERCUTS OR ROUGH EDGES.

DEMOLITION SITE PLAN LEGEND

- LIMITS OF ARCHITECTURAL SCOPE OF WORK
- (E) BUILDING WITH NO SCOPE OF WORK
- SOFTSCAPE
- ASPHALT
- CONCRETE
- PROPERTY LINE
- DEMO (E) CHAIN LINK FENCING AND FOOTINGS
- DEMO (E) GATE; GATE POSTS; AND FOOTINGS

SHEET KEYNOTES

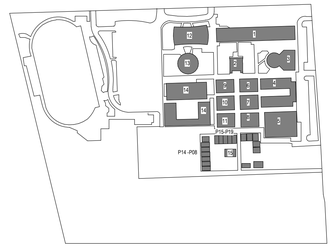
101 DEMO (E) HARDSCAPE; SEE CIVIL

102 DEMO (E) SOFTSCAPE; SEE CIVIL

107 DEMO (E) TREE

108 DEMO (E) FENCE, GATES, FENCE STRUCTURE, POST FOOTINGS, EQUIPMENT, EQUIPMENT FOOTINGS, AND FLATWORK DOWN TO GRADE

KEY PLAN



PLAN NORTH

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Sacramento, CA 95818
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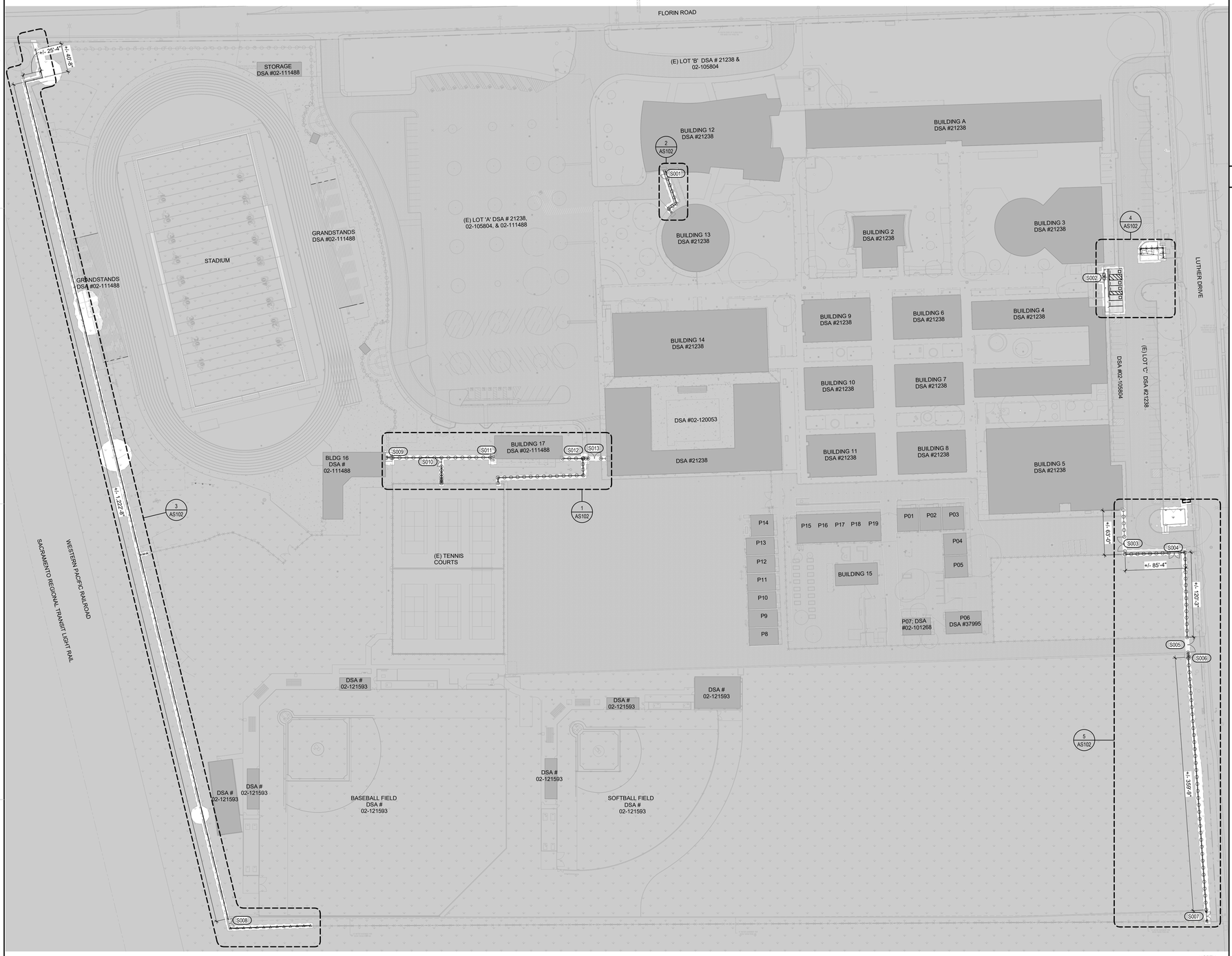
TITLE
DEMOLITION SITE PLAN

SHEET
AD101

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0 1/4" 1/2" 1"



1 OVERALL SITE PLAN

SCALE 1" = 60'-0"

NORTH

GENERAL NOTES

A. GRAY LINES INDICATE EXISTING TO REMAIN OR REFERENCE

B. NOT ALL WORK SHOWN ON THIS SHEET; SEE BALANCE OF CONTRACT DOCUMENTS FOR FULL SCOPE OF WORK

C. SEE "SITE PLAN – ACCESSIBILITY" PLAN FOR SITE ACCESSIBILITY

D. SEE "SITE PLAN – FIRE ACCESS PLAN" FOR FIRE ACCESS

E. SEE GATE SCHEDULE FOR GATE WIDTH AND PANIC HARDWARE REQUIREMENTS

F. SEE "SITE PLAN – ACCESSIBILITY" FOR EXIT DISCHARGE ROUTES TO PUBLIC WAY OR SAFE DISPERSAL AREAS

G. FOR GATE / DOOR MANEUVERING CLEARANCES AT ALL ACCESS DOORS APPLICABLE TO PROJECT SCOPE OF WORK, SEE DETAIL

H. PROVIDE 18" CONCRETE MOW STRIP UNDER ALL FENCING AND GATES THROUGH SOFTSCAPE AREAS, UNO.

I. ANYWHERE (E) TO REMAIN HARDSCAPE IS DISTURBED BY DEMOLITION OR NEW CONSTRUCTION, REPLACE HARDSCAPE; SEE CIVIL FOR HARDSCAPE SECTION INFORMATION

J. GATES IN FENCES MATCH FENCE TYPE UNO.

K. AT DECORATIVE GATES WITH PANIC BARS: INSTALL PREFINISHED PERFORATED METAL AT FULL CAMPUS SIDE OF GATE AT AND 24" MINIMUM ALONG ADJACENT FENCE EACH SIDE UNO.

L. AT CHAIN LINK GATES WITH PANIC BARS: INSTALL SLATS IN FULL WIDTH OF GATE AND 24" MINIMUM ALONG ADJACENT FENCE EACH SIDE UNO.

M. FIELD VERIFY SPOT ELEVATIONS PRIOR TO SETTING FINAL GRADES

N. AT HARDSCAPE ADJACENT TO BUILDING, PROVIDE A SLOPE OF 2% AWAY FROM BUILDING FOR AT LEAST 10 FEET FROM FACE OF WALL. AT SOFTSCAPE AREAS, PROVIDE A SLOPE OF 5% AWAY FROM BUILDINGS FOR AT LEAST 10 FEET FROM FACE OF WALL PER CBC. SEE CIVIL FOR SLOPE AND SPOT ELEVATIONS.

O. AT CORE CUTS IN EXISTING HARDSCAPE: LOCATE CORE CUTS SO THAT THE ELEMENT BEING INSTALLED IS ACCURATELY CENTERED IN THE CORE CUT. CUTS SHALL HAVE SHARP CORNERS AND LINES WITH NO OVERCUTTING.

SITE PLAN LEGEND

- LIMITS OF ARCHITECTURAL SCOPE OF WORK
- (E) BUILDING WITH NO SCOPE OF WORK
- SOFTSCAPE
- ASPHALT
- CONCRETE
- PROPERTY LINE
- G101 — GATE NUMBER PER GATE SCHEDULE SEE **9/AS501**
- VINYL CHAIN LINK FENCING W/SLATS, SEE **6/AS501**; 6' TALL UNO
- DECORATIVE FENCING, SEE **18/AS501**; 6' TALL UNO
- DECORATIVE FENCING W/ MOW STRIP, SEE **18/AS501**; 6' TALL UNO
- HIGH-SECURITY FENCING W/ MOW STRIP, SEE **5/AS501**; 12'-9" TALL UNO

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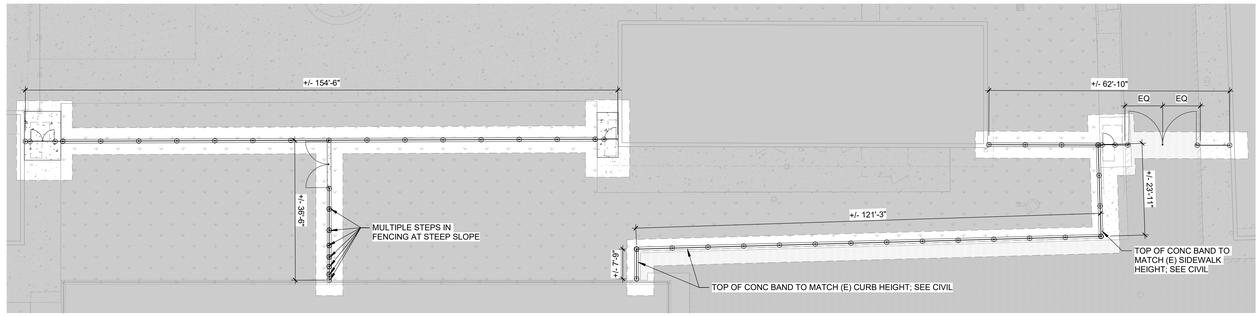
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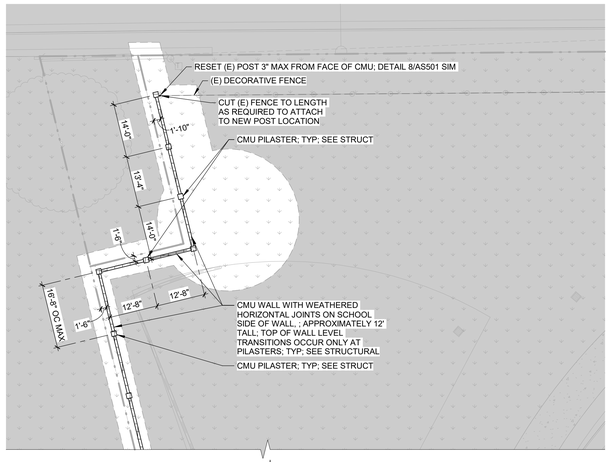
SHEET
AS101

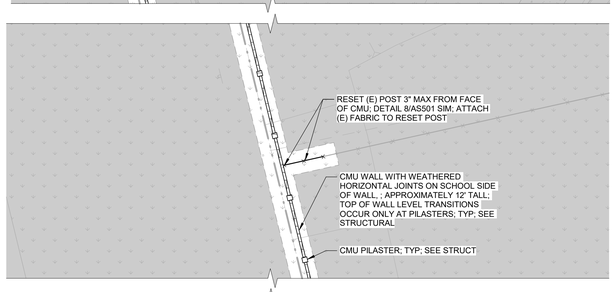
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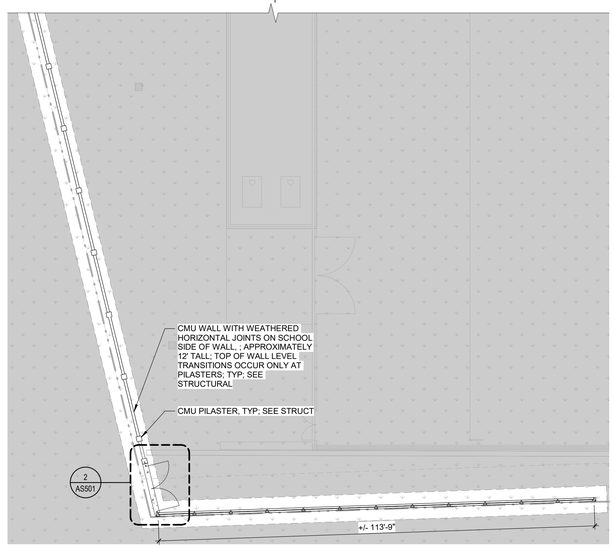
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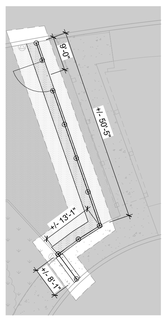
1 ENLARGED SITE PLAN - CENTER
SCALE 1/16" = 1'-0"



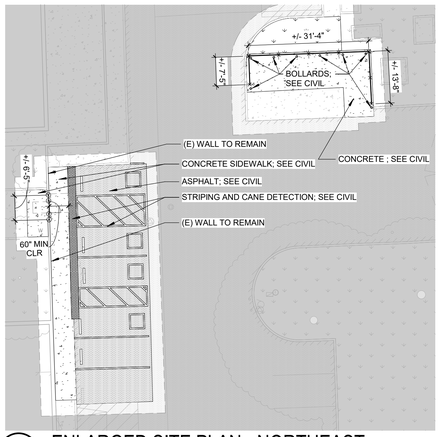




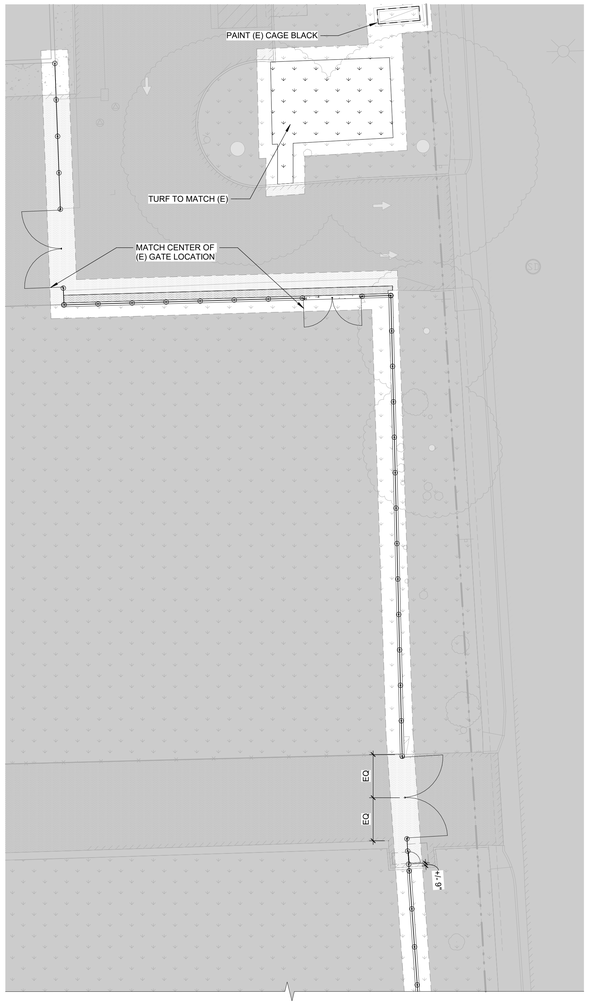
3 ENLARGED SITE PLAN - WEST WALL (SOUTH)
SCALE 1/16" = 1'-0"



2 ENLARGED SITE PLAN - NORTH
SCALE 1/16" = 1'-0"



4 ENLARGED SITE PLAN - NORTHEAST
SCALE 1/16" = 1'-0"



5 ENLARGED SITE PLAN - SOUTHEAST
SCALE 1/16" = 1'-0"

GENERAL NOTES

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B. NOT ALL WORK SHOWN ON THIS SHEET; SEE BALANCE OF CONTRACT DOCUMENTS FOR FULL SCOPE OF WORK

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D. SEE "SITE PLAN – FIRE ACCESS PLAN" FOR FIRE ACCESS

E. SEE GATE SCHEDULE FOR GATE WIDTH AND PANIC HARDWARE REQUIREMENTS

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G. FOR GATE / DOOR MANEUVERING CLEARANCES AT ALL ACCESS DOORS APPLICABLE TO PROJECT SCOPE OF WORK, SEE DETAIL

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SITE PLAN LEGEND

- LIMITS OF ARCHITECTURAL SCOPE OF WORK
- (E) BUILDING WITH NO SCOPE OF WORK
- SOFTSCAPE
- ASPHALT
- CONCRETE
- PROPERTY LINE
- G101 GATE NUMBER PER GATE SCHEDULE SEE **9/AS501**
- VINYL CHAIN LINK FENCING W/SLATS, SEE **6/AS501**; 6' TALL UNO
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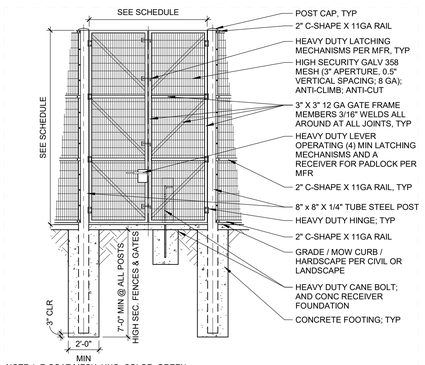
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TITLE
ENLARGED SITE PLANS

SHEET
AS102

Autodesk Docs://024251 LBHS Fencing/024251_ARCHMSTR_R24_CENTRAL.rvt
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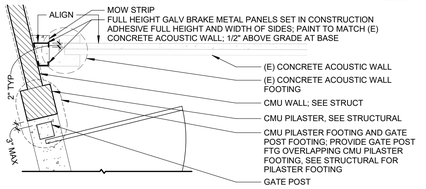


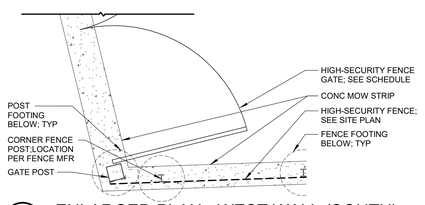
NOTE 1: E-COAT MESH, UNO; COLOR: GREEN
NOTE 2: E-COAT ALL FENCE FRAME AND POST ELEMENTS, UNO; COLOR: GREEN

1 HIGH SECURITY GATE - SWING - MAINT.

1/4" = 1'-0"

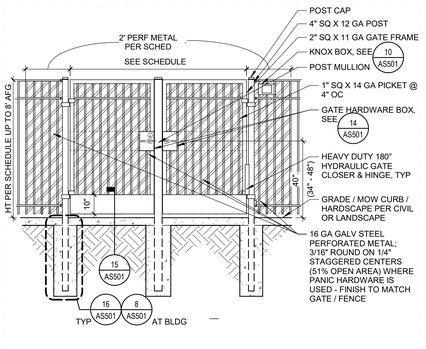
250325. Q1





2 ENLARGED PLAN - WEST WALL (SOUTH)

SCALE 3/8" = 1'-0"

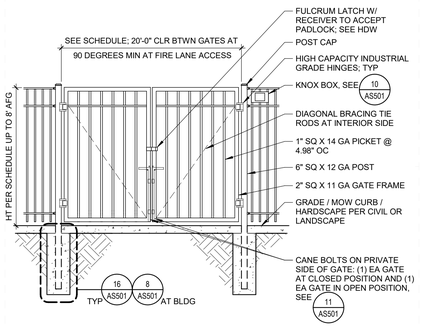


NOTE 1: E-COAT ALL ELEMENTS OF FENCE; COLOR PER ARCHITECTURAL SITE PLAN
NOTE 2: ALL WELDS TO BE 1/8" FILLET AT ALL PICKETS AND HORIZ TO POST WHERE NEEDED
NOTE 3: FORCE TO OPEN GATE NOT TO EXCEED 5 LBS

3 DECOR GATE - SWING - DBL - MULLION

3/8" = 1'-0"

250325. Q1



NOTE 1: E-COAT ALL ELEMENTS OF FENCE; COLOR PER ARCHITECTURAL SITE PLAN
NOTE 2: ALL WELDS TO BE 1/8" FILLET AT ALL PICKETS AND HORIZ TO POST WHERE NEEDED

4 DECOR. GATE - SWING - MAINTENANCE

3/8" = 1'-0"

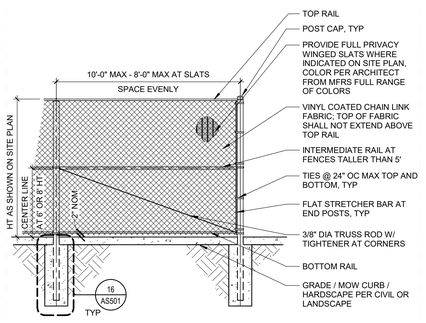
250325. Q1

NOTE 1: E-COAT MESH, UNO; COLOR: GREEN
NOTE 2: E-COAT ALL FENCE FRAME AND POST ELEMENTS, UNO; COLOR: GREEN

5 HIGH SECURITY FENCE

1/4" = 1'-0"

250325. Q1

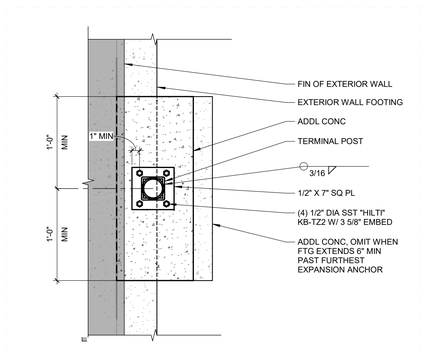


NOTE 1: VINYL COATED CHAIN LINK, UNO; COLOR PER SCHED
NOTE 2: RAILS, POSTS, STRETCHER BARS, TRUSS RODS, TIES, & CAPS TO BE POWDER COATED, UNO

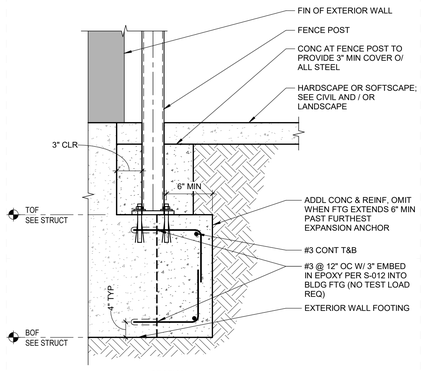
6 CHAIN LINK FENCE UP TO 8' AFG

3/8" = 1'-0"

NOT PART OF DSA SS APPROVAL; DSA IR A-22 APPX A: A9 250325. Q1



PLAN



SECTION

NOTE 1: THIS APPLIES TO FENCES W/ MAX HEIGHT OF 8'-0"
NOTE 2: MAX DISTANCE TO ADJACENT POST IS 8'-0" FOR OPEN FENCES AND 4'-0" FOR SOLID FENCES, FENCES WITH SLATS, OR FENCES WITH PERF METAL

8 DECOR FENCE POST FOOTING AT BLDG

1 1/2" = 1'-0"

NOT PART OF DSA SS APPROVAL; DSA IR A-22 APPX A: A9 250325. Q1

GATE SCHEDULE

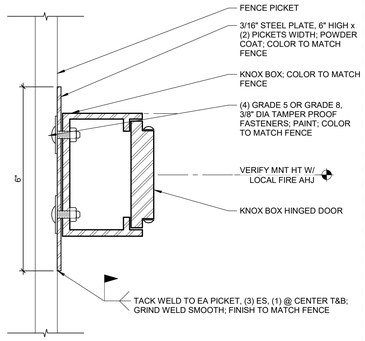
GATE	HDW #	GATE FRAME TYPE	GATE FRAME FINISH	GATE FRAME COLOR	DIMENSIONS WIDTH	DIMENSIONS LEAF 2 WIDTH	DIMENSIONS HT	GATE PANEL TYPE	GATE PANEL FINISH	GATE PANEL COLOR	VISION / REACH BARRIER TYPE	VISION / REACH BARRIER COLOR	VISION / REACH BARRIER HT	GATE USE TYPE	DETAIL	AUTO OPNR	PANIC HDW	ASTRAGALS	LOW VOLTAGE ACCESS CONTROL	CLOSER	TOE KICK PLATES	HDW BOX	CANE BOLT	KNOX BOX	COMMENTS
S001	107	DECORATIVE	E-COAT	BLACK	8'-0"		6'-0"	DECORATIVE	E-COAT	BLACK	--	--	--	MAINTENANCE	4/AS501	--	--	--	--	--	--	--	YES	--	SINGLE LEAF
S002	101	DECORATIVE	E-COAT	BLACK	3'-0"		6'-0"	DECORATIVE	E-COAT	BLACK	PERF METAL	BLACK	FULL	EGRESS	19/AS501	--	YES	YES	YES	HINGE	YES	YES	--	YES	6" POST ON LATCH SIDE TO RECEIVE ACCESS CONTROL
S003	102	DECORATIVE	E-COAT	BLACK	10'-0"	10'-0"	6'-0"	DECORATIVE	E-COAT	BLACK	--	--	--	MAINTENANCE	4/AS501	--	--	--	--	--	--	--	--	--	
S004	102	DECORATIVE	E-COAT	BLACK	7'-6"	7'-6"	6'-0"	DECORATIVE	E-COAT	BLACK	--	--	--	MAINTENANCE	4/AS501	--	--	--	--	--	--	--	--	--	
S005	102	DECORATIVE	E-COAT	BLACK	10'-6"	10'-6"	6'-0"	DECORATIVE	E-COAT	BLACK	--	--	--	FIRE ACCESS	4/AS501	--	--	--	--	--	--	--	--	YES	
S006	106	DECORATIVE	E-COAT	BLACK	3'-0"		6'-0"	DECORATIVE	E-COAT	BLACK	--	--	--	MAINTENANCE	19/AS501	--	--	--	--	HINGE	YES	YES	--	--	
S007	108	HIGH SEC.	E-COAT	GREEN	6'-0"	6'-0"	12'-9"	HIGH SEC.	E-COAT	GREEN	--	--	--	MAINTENANCE	1/AS501	--	--	--	--	--	--	YES	--	--	GATE HARDWARE PER MFR AND HDW #108
S008	108	HIGH SEC.	E-COAT	GREEN	6'-0"	6'-0"	12'-0"	HIGH SEC.	E-COAT	GREEN	--	--	--	MAINTENANCE	1/AS501	--	--	--	--	--	--	YES	--	--	GATE HARDWARE PER MFR AND HDW #108
S009	105	DECORATIVE	E-COAT	BLACK	3'-0"	3'-0"	6'-0"	DECORATIVE	E-COAT	BLACK	PERF METAL	BLACK	FULL	EGRESS	3/AS501	--	YES	YES	--	HINGE	YES	YES	--	--	
S010	104	DECORATIVE	E-COAT	BLACK	6'-0"	6'-0"	6'-0"	DECORATIVE	E-COAT	BLACK	--	--	--	MAINTENANCE	4/AS501	--	--	--	--	--	--	--	--	--	
S011	105	DECORATIVE	E-COAT	BLACK	3'-0"		6'-0"	DECORATIVE	E-COAT	BLACK	PERF METAL	BLACK	FULL	EGRESS	3/AS501	--	YES	YES	--	HINGE	YES	YES	--	--	
S012	105	DECORATIVE	E-COAT	BLACK	3'-0"		6'-0"	DECORATIVE	E-COAT	BLACK	PERF METAL	BLACK	FULL	CONVENIENCE	19/AS501	--	--	YES	--	HINGE	YES	YES	--	--	
S013	103	DECORATIVE	E-COAT	BLACK	8'-9"	8'-9"	6'-0"	DECORATIVE	E-COAT	BLACK	--	--	--	FIRE ACCESS	4/AS501	--	--	--	--	--	--	--	--	YES	

NOTE: FORCE TO OPEN GATE NOT TO EXCEED 5 LBS, SHOULD BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.

9 GATE SCHEDULE

SCALE: NTS

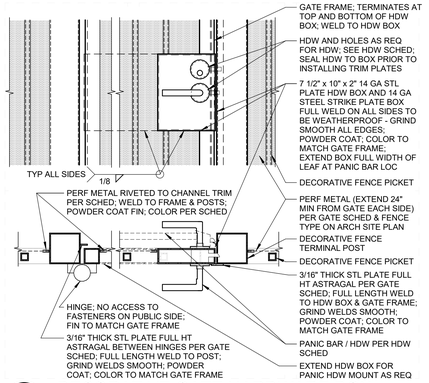
250325. Q1



10 DECORATIVE FENCE KNOX BOX

6" = 1'-0"

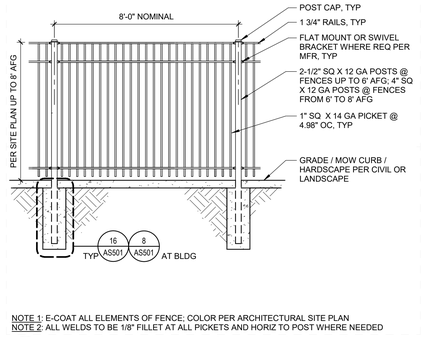
NOT PART OF DSA SS APPROVAL; DSA IR A-22 APPX A: A9 250325. Q1



14 DECORATIVE GATE HARDWARE BOX

1 1/2" = 1'-0"

NOT PART OF DSA SS APPROVAL; DSA IR A-22 APPX A: A9 250325. Q1

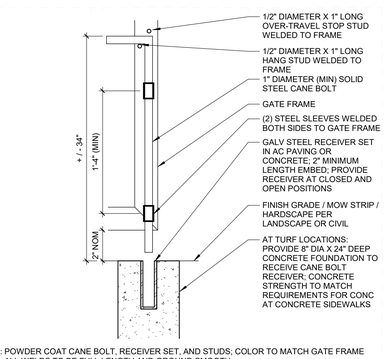


NOTE 1: E-COAT ALL ELEMENTS OF FENCE; COLOR PER ARCHITECTURAL SITE PLAN
NOTE 2: ALL WELDS TO BE 1/8" FILLET AT ALL PICKETS AND HORIZ TO POST WHERE NEEDED

18 DECORATIVE FENCE UP TO 8' AFG

3/8" = 1'-0"

NOT PART OF DSA SS APPROVAL; DSA IR A-22 APPX A: A9 250325. Q1



NOTE 1: POWDER COAT CANE BOLT, RECEIVER SET, AND STUDS; COLOR TO MATCH GATE FRAME
NOTE 2: ALL WELDS TO BE FULL LENGTH AND GROUND SMOOTH
NOTE 3: WHERE CANE BOLT IS REQUIRED AT EGRESS GATE, INSTALL RECEIVER SET IN OPEN POSITION ONLY (CANE BOLT RECEIVER SET NOT PERMITTED AT CLOSED POSITION

11 DECORATIVE GATE CANE BOLT

1 1/2" = 1'-0"

NOT PART OF DSA SS APPROVAL; DSA IR A-22 APPX A: A9 250323. Q1

INTERMEDIATE POST MINIMUM FOOTING DIMENSIONS			
FABRIC HT	POST SIZE	FTG DIA	FTG DEPTH
3'	2-1/2"	12"	24"
3.5'	2-1/2"	12"	24"
4'	2-1/2"	12"	24"
5'	2-1/2"	12"	24"
6'	3"	13"	30"
7'	3"	13"	36"
8'	3"	13"	42"

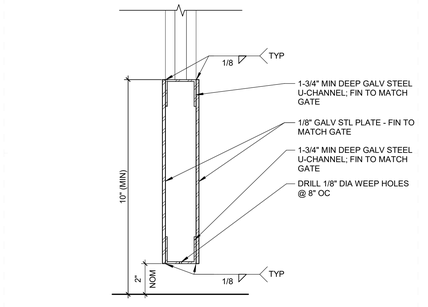
TERMINAL POST (END, CORNER, GATE) MINIMUM FOOTING DIMENSIONS				
GATE LEAF HT	GATE LEAF WIDTH	POST SIZE	FTG DIA	FTG DEPTH
4'-0" TALL OR LESS	4' OR LESS	2-1/2"	12"	24"
	OVER 4' - 6'	3"	13"	24"
	OVER 6' - 8'	3"	13"	24"
	OVER 8' - 10'	4"	18"	30"
	OVER 10' - 12'	4"	18"	30"
	OVER 12' - 14'	4"	18"	30"
	OVER 14' - 16'	6"	26"	36"
4'-1" TALL THRU 6'-0" TALL	4' OR LESS	3"	13"	30"
	OVER 4' - 6'	4"	18"	30"
	OVER 6' - 8'	4"	18"	30"
	OVER 8' - 10'	6"	26"	36"
	OVER 10' - 12'	6"	26"	36"
	OVER 12' - 14'	6"	26"	42"
	OVER 14' - 16'	6"	26"	42"
6'-1" TALL THRU 8'-0" TALL	4' OR LESS	3"	13"	42"
	OVER 4' - 6'	4"	18"	42"
	OVER 6' - 8'	6"	26"	48"
	OVER 8' - 10'	6"	26"	48"
	OVER 10' - 12'	6"	26"	48"
	OVER 12' - 14'	6"	26"	48"
	OVER 14' - 16'	6"	26"	48"

NOTE 1: SEE DECORATIVE METAL FENCE SPECIFICATION SECTION FOR ADDITIONAL INFO

12 DECOR FENCE & GATE POST FTG SIZES

1" = 1'-0"

NOT PART OF DSA SS APPROVAL; DSA IR A-22 APPX A: A9 250325. Q1

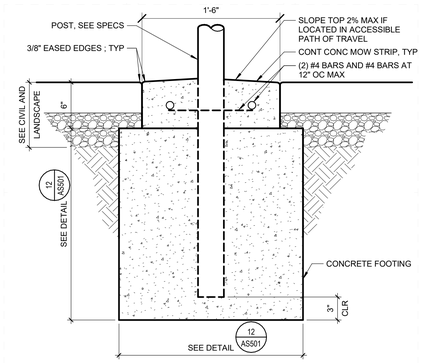


15 DECORATIVE GATE KICK PLATE

3" = 1'-0"

DECORATIVE METAL GATE KICK PLATE

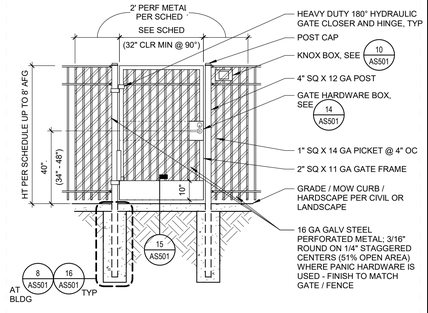
NOT PART OF DSA SS APPROVAL; DSA IR A-22 APPX A: A9 240927. Q1



16 DECOR POST FTG TO 8' & MOW STRIP

1 1/2" = 1'-0"

NOT PART OF DSA SS APPROVAL; DSA IR A-22 APPX A: A9 250325. Q1



NOTE 1: E-COAT ALL ELEMENTS OF FENCE; COLOR PER ARCHITECTURAL SITE PLAN
NOTE 2: ALL WELDS TO BE 1/8" FILLET AT ALL PICKETS AND HORIZ TO POST WHERE NEEDED
NOTE 3: FORCE TO OPEN GATE NOT TO EXCEED 5 LBS

19 DECORATIVE GATE - SWING - SINGLE

3/8" = 1'-0"

Q1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123456 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/08/2025

LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com
CONSULTANT

SEAL

LICENSED ARCHITECT JENIFER MARIE QUIGLEY C84138 REN: 11-30-25 STATE OF CALIFORNIA

PROJECT
LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47th Ave.; Sacramento, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
DSA	06/18/2025	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO:	024251
CLIENT PROJECT NO:	700.00.007
COPYRIGHT:	LIONAKIS 2017

TITLE
FENCE & GATE DETAILS

SHEET
AS501

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

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IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

0 1/4" 1/2" 1" 2"

ACCESS CONTROL CABINET NOTES:

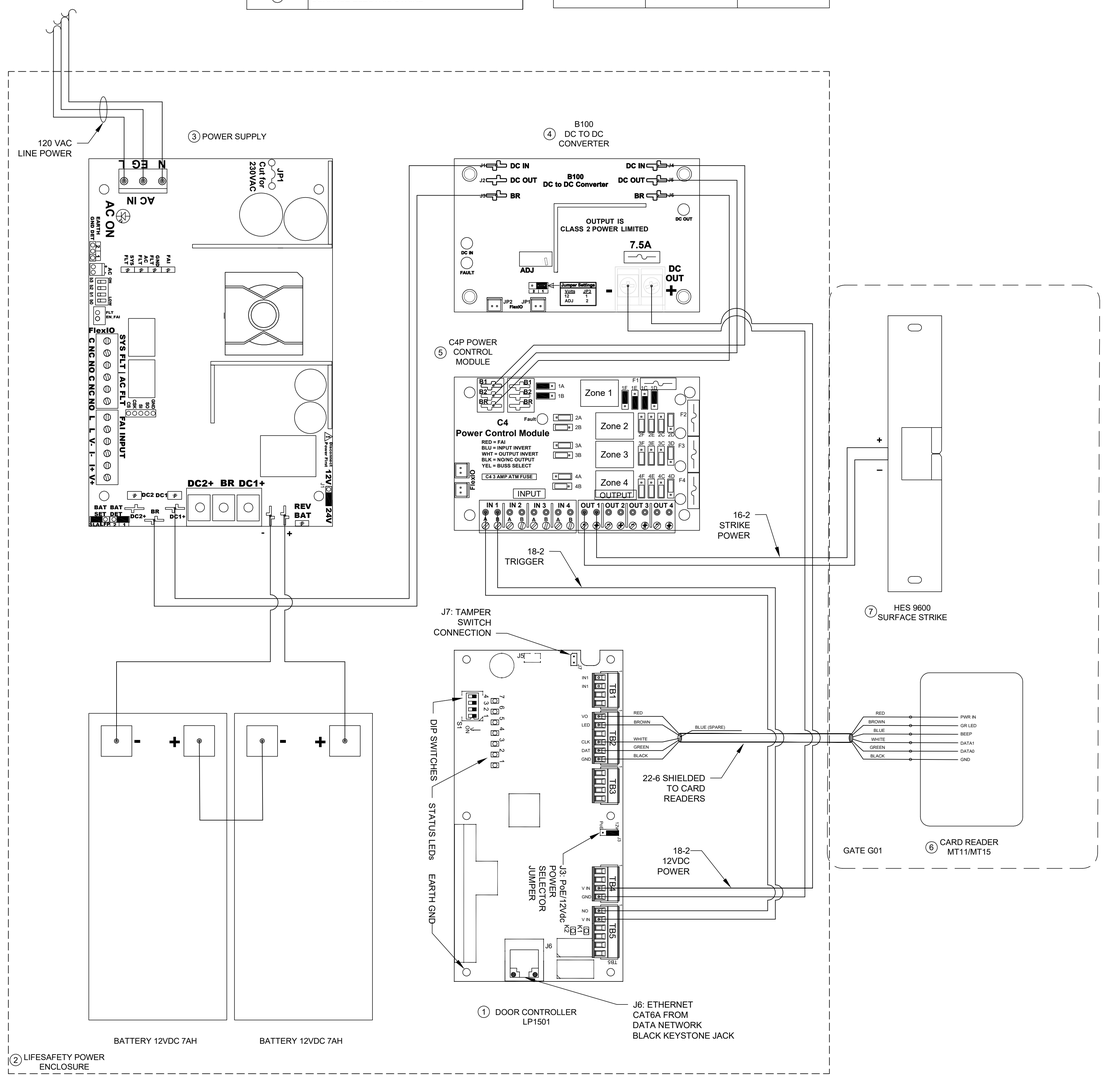
1. INSTALL POWER IN CONDUIT FROM NEAREST J-BOX TO TOP/LEFT KNOCK OUT. POWER CONNECTIONS TO BE MADE BY A LICENSED ELECTRICIAN.
2. INSTALL PLASTIC BUSHING IN TOP CENTER KNOCK OUT FOR LOW-VOLTAGE WIRING.
3. INSTALL D-RINGS AND DRESS LOW-VOLTAGE WIRING IN A PROFESSIONAL AND WORKMAN LIKE MANNER.
4. LED STATUS: GREEN=12VDC, BLUE=24VDC, SOLID=INACTIVE, BLINKING=ACTIVE

EQUIPMENT DESCRIPTION:

SYMBOL	DESCRIPTION
①	MASTER DOOR CONTROLLER
②	CABINET
③	POWER SUPPLY
④	DUAL-VOLTAGE POWER SUPPLY BOARD
⑤	4 OUTPUT DC POWER CONTROL MODULE
⑥	CARD READER
⑦	SURFACE ELECTRIC STRIKE

SWITCH/JUMPER SETTINGS:

1501	SW1-1	OFF
1501	SW1-2	OFF
1501	SW1-3	OFF
1501	SW1-4	OFF
1501	J3	12V
FPO-75	J1	24
FPO-75	BAT SET	SLA
FPO-75	BAT DET	1
B100	JP3	1 (12V)
C4P	1A	2
C4P	1B	2
C4P	1F	1
C4P	1E	2
C4P	1C	2
C4P	1D	1



② ELECTRONIC ACCESS WIRING SCHEMATIC (ADMIN)
SCALE: NONE

ABBREVIATIONS:

A	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANN	ANNUNCIATOR
AP	ACCESS POINT
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BICSI	BUILDING INDUSTRY CONSTRUCTION SERVICE INTERNATIONAL
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CAT	CATEGORY
CATV	CABLE TELEVISION
CD	CANDELA
CFCI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CL	CENTER LINE
CO	CARBON MONOXIDE
DN	DOWN
(E)	EXISTING
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FTC	FIRE TERMINAL CABINET
GRC	GALVANIZED RIGID CONDUIT
G OR GB	GROUND BOX
IACP	INTRUSION ALARM CONTROL PANEL
IDF	INTERMEDIATE DISTRIBUTION FRAME
IMC	INTERMEDIATE METAL CONDUIT
J OR JB	JUNCTION BOX
MEP	MECHANICAL / ELECTRICAL / PLUMBING
MDF	MAIN DISTRIBUTION FRAME
MPOE	MINIMUM PONT OF ENTRY
(N)	NEW
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
OFE	OWNER FURNISHED EQUIPMENT
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OSP	OUTSIDE PLANT
PVC	POLYVINYL CHLORIDE
RCDD	REGISTERED COMMUNICATION DISTRIBUTION DESIGNER
RCWY	RACEWAY
RM	ROOM
SR	SURFACE RACEWAY
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRIGHTERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WATT
WP	WEATHERPROOF

ACCESS CONTROL SYMBOL LEGEND:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
MDF / IDF	(E) DATA RACK / CABINET	EXISTING	EXISTING	N/A
J	(N) SURFACE MOUNTED JUNCTION BOX	COMMERCIAL	COMMERCIAL	GREY = EXISTING
J / J	(E) SURFACE MOUNTED 4-SQUARE JUNCTION BOX, WALL / CEILING	EXISTING	EXISTING	N/A
GB	(N) 17"X30" GROUND BOX WITH TRAFFIC RATED LID	JENSEN	HT1730	T900
	(E) SURFACE RACEWAY - WM5400	EXISTING	EXISTING	N/A
	(N) SURFACE RACEWAY	WIREMOLD	WM2300	N/A
	(N) UNDERGROUND BACKBONE CONDUIT	PVC	QTY. AND SIZE AS PER PLAN	N/A
	(N) BACKBONE CONDUIT	EMT / GRC	QTY. AND SIZE AS PER PLAN	2 T900, 3 T900, 4 T900
	(N) BACKBONE CONDUIT STUB	N/A	N/A	1 T900
PSU	ACCESS CONTROL POWER SUPPLY UNIT W/ BATTERY BACKUP	AVIGILON	AC-LSP-2DR-MER-LCK	INSTALL AT IDF LOCATION PER PLAN
CON	ACCESS CONTROL MANAGEMENT EMBEDDED CONTROLLER	AVIGILON	AC-MER-CONT-MP1501	INSTALL AT IDF LOCATION PER PLAN
CR	CARD READER	AVIGILON	AC-ING-READ-APTIQ-SNG-MT15	5 T900, 7 T900
ESS	ELECTRONIC SURFACE STRIKE	ASSA ABLOY / HES	9600	INSTALL AT LOCATIONS PER PLAN
	RFID CARDS	SCHLAGE	8520	QUANTITY 100. SERIALIZED PER DISTRICT REQUIREMENTS.

GATE SCHEDULE:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

GATE	CARD READER	ELEC SURFACE STRIKE	PORT
S002	AVIGILON, MT15	HES, 9600	IDF 1.03

PROJECT CODES AND STANDARDS:

PARTIAL LIST OF APPLICABLE CODES AND STANDARDS EFFECTIVE : JANUARY 1, 2023:

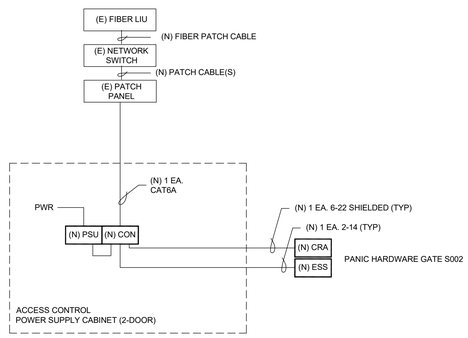
2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR, TITLE 24, PART 1
2022 CALIFORNIA BUILDING CODE (CBC), CCR, TITLE 24, PART 2 (2018 INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR, TITLE 24, PART 3 (2017 NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC), CCR, TITLE 24, PART 4 (2018 UNIFORM MECHANICAL CODE, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6
2022 CALIFORNIA FIRE CODE (CFC), CCR, TITLE 24, PART 9 (2018 INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CCR, TITLE 24, PART 11
2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR, TITLE 24, PART 12
2022 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE, NATIONAL FIRE PROTECTION ASSOCIATION

SCOPE OF WORK:

1. FURNISH AND DELIVER (N) ELECTRONIC ACCESS DOOR CONTROLLERS TO DISTRICT FOR PROGRAMMING. AFTER PROGRAMMING BY DISTRICT PICK UP FROM DISTRICT AND INSTALL FOR A COMPLETE AND FULLY OPERATING SYSTEMS.
2. FURNISH AND INSTALL 1" CONDUITS PATHWAY FROM GATE CENTER POST TO BUILDING(S).
3. FURNISH AND INSTALL ELECTRONIC ACCESS CONTROLLERS AND POWER SUPPLIES IN IDF. MODIFICATIONS TO ELECTRIC POWER TO BE PERFORMED BY A LICENSED ELECTRICIAN.

SHEET INDEX:

SHEET NO.	DESCRIPTION
T000	TECHNOLOGY COVER SHEET
T100	TECHNOLOGY PARTIAL SITE PLAN
T900	TECHNOLOGY DETAILS



① ELECTRONIC ACCESS WIRING SCHEMATIC (IDF 1.03)
SCALE: NONE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123456 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/08/2025

LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com
CONSULTANT

SEAL

LICENSED ARCHITECT
JENNIFER MARIE QUIGLEY
C84138
REN. 11-30-25
STATE OF CALIFORNIA

PROJECT
LUTHER BURBANK HIGH SCHOOL - FENCING & SITE WALL

3500 FLORIN ROAD
SACRAMENTO, CA 95823

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47th Ave.; Sacramento, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
DSA	06/18/2025	DSA APPROVAL

MANAGEMENT

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TITLE
TECHNOLOGY COVER SHEET

SHEET
T000

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

0 1/4" 1/2" 1" 2"

BUILDING A
DSA #21238

BUILDING 2
DSA #21238

BUILDING 3
DSA #21238

BUILDING 4
DSA #21238

BUILDING 6
DSA #21238

BUILDING 7
DSA #21238

G 9
238

G 10
238

LUTHER DRIVE

S002

(E)DF1.03

CAFETERIA
KITCHEN
SNACK BAR
STORAGE/ EQUIPMENT ROOM
OFFICE
STORE
JAN.
MEN
WOMEN
REST
ENTRY
ENTRY ROOF
FREEZER
FOOD STORAGE
SCULLERY
HALL
TEACHERS DINING
VEN.

PROJECT GENERAL NOTES:

1. ALL EXPOSED (N) CONDUIT AND (N) JUNCTION BOXES TO BE PRIMED AND PAINTED TO MATCH EXISTING SURROUNDINGS.

SHEET NOTES:

1. (N) 1-1" EMT CONDUIT
2. (N) 1-1" GRC CONDUIT RISER MOUNT WITH 2-HOLE STRAPS TRANSITION TO/FROM PVC/EMT
3. (N) 1-1" SCH40 PVC
4. DEMO (E) 1/2 EMT FROM FACIA BOARD
5. INSTALL (N) EMT ON FACIA BOARD
6. INSTALL (N) EMT BETWEEN (E) J-BOXES
7. INSTALL (N) 1" PENETRATION FROM (E) J-BOX TO INTERIOR
8. INSTALL POWER SUPPLY CABINET TO RIGHT OF THE IDF. EXTEND POWER FROM IDF (POWER WORK TO BE COMPLETED BY A LICENSED ELECTRICIAN)

General Note:
Per CFC Section 603.4, working space around electrical equipment shall be provided in accordance with Section 110.26 of the California Electrical Code for electrical equipment rated 1,000 volts or less, and Section 110.32 of the California Electrical Code for electrical equipment rated over 1,000 volts. The minimum required working space shall be not less than 30 inches in width, 36 inches in depth and 78 inches in height in front of electrical service equipment. Where the electrical service equipment is wider than 30 inches, the minimum working space shall be not less than the width of the equipment. **Storage of materials shall not be located within the designated working space.**

TECHNOLOGY PARTIAL SITE PLAN

SCALE: 1"=20'

0 20 40

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TECHNOLOGY SITE PLAN

SHEET
T100

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0 1/4" 1/2" 1" 2"

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

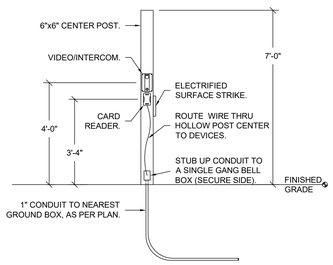
NOT USED

NOT USED

NOT USED



7 VIDEO / INTERCOM / ELEC. ACCESS CONTROL IN CENTER POST PICTURE DETAIL
SCALE: NONE

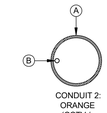


5 VIDEO / INTERCOM / ELEC. ACCESS CONTROL IN CENTER POST DETAIL
SCALE = NONE

Ⓐ (1) EA. 3/4" CONDUIT
Ⓑ 1/2" NYLON MULE STRING, PN: NEPTCO WP900P

CONDUIT FILL CHART 40% FILL RATIO MAXIMUM	
CONDUIT DIA.	FILL RATIO (0.250" DIA.)
3/4"	4-CABLES
1"	6-CABLES
1-1/4"	10-CABLES
2"	26-CABLES
4"	102-CABLES

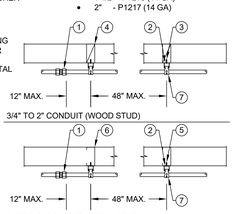
NOTE: CONTRACTOR SHALL BE REQUIRED TO UPSIZE CONDUIT AND/OR QTY AS NOTED PER FILL RATIO CABLE CAPACITY.



CONDUIT 2: ORANGE (CCTV / SECURITY)

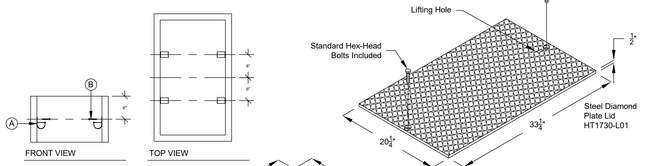
4 CONDUIT LAYOUT DETAIL - HORIZONTAL BACKBONE / SLEEVES
SCALE = NONE

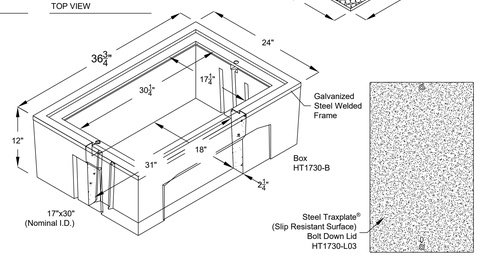
1. WEATHERPROOF COUPLING DEVICE BOX OR JUNCTION, TYP.
2. UNISTRUT P1000T, TYP.
3. 1/4"X1-1/2" WOOD SCREW W/ HEX HEAD AND WASHER
4. 2X FULL DEPTH WOOD BLK'G
5. #14X2" SELF TAPPING SCREW W/ WASHER
6. 2X FULL DEPTH METAL STUD BLK'G
7. UNISTRUT UNIVERSAL PIPE CLAMP FOR 1/2" TO 2" CONDUIT:
   - 1/2" - P1211 (16 GA)
   - 3/4" - P1212 (16 GA)
   - 1" - P1213 (16 GA)
   - 1 1/4" - P1214 (14 GA)
   - 1 1/2" - P1215 (14 GA)
   - 2" - P1217 (14 GA)



3 CONDUIT STRAP SPACING DETAIL
SCALE = NONE

Ⓐ J-HOOK, 2" CADDY (P/N CAT32), MOUNT DIRECTLY TO SIDE OF GROUND BOX, TYP.
Ⓑ 3/16" X 1-1/4 STAINLESS STEEL TAPCON HEX HEAD CONCRETE SCREW ANCHOR.

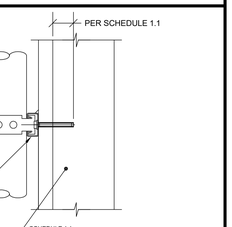




PART NO.	PRODUCT	DESCRIPTION	APPROX. WEIGHT	QTY. PER PALLET
HT1730-B	BOX	17"x30"x12" Concrete Traffic Rated Box (Comes Standard With Hex Bolts)	290	6
HT1730-E	EXTENSION	17"x30"x12" Concrete Extension	288	6
HT1730-L01	LID	Steel Diamond Plate Bolt Down Lid	105	
HT1730-L03	LID	Steel Traxplate® Bolt Down Slip Resistant Traffic Rated Lid	105	
GALVANIZING AVAILABLE ON ALL STEEL LIDS				

NOTE:
1. ALL SITE GROUND BOXES TO HAVE "COMMUNICATION" ETCHED ONTO TOP SIDE OF LID.

6 IN-GROUND PULL BOX DETAIL - HT1730
SCALE: NONE



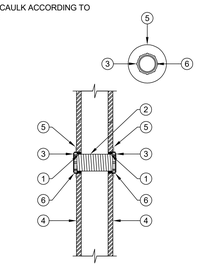
SCHEDULE 1.1

WALL TYPE	ANCHOR/FASTERNER	MIN. EMBED
WOOD	3/8" HEX LAG SCREW	2"
LIGHT GAUGE	3/8"X3" STS	N/A
CMU/MASONRY*	1/4"	1 1/2"

* HILTI KB TZ2 STAINLESS STEEL EXPANSION ANCHOR, LENGTH AS REQUIRED FOR MINIMUM EMBEDMENT, REFER TO S-012 FOR ADDITIONAL INFORMATION.

2 CONDUIT SUPPORT DETAIL - VERTICAL
SCALE = NONE

1. DRAFT STOP OR FIRE CAULK ACCORDING TO NFPA REQUIREMENTS
2. THREADED, RIGID, CONDUIT
3. SCREW ON BUSHING
4. WALL
5. REDUCING WASHER OR PLATE
6. SCREW ON LOCKING RINGS FRONT & BACK (TYP.)



1 CONDUIT SLEEVE PENETRATION DETAIL
SCALE = NONE

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TITLE
TECHNOLOGY SINGLE LINE AND DETAILS

SHEET
T900