

YOLO EDUCATION CENTER

ESSR III
919 WESTACRE ROAD, WEST SACRAMENTO, CA 95691
WASHINGTON UNIFIED SCHOOL DISTRICT

DSA File No. 57-H5
App. No. 02-122276
PTN. 72694-128

DSA REQUIREMENTS

- ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- AS A FACILITY WHICH COMES UNDER THE APPROVAL AND AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT (DSA), THIS PROJECT IS SUBJECT TO DRAWING AND JOB SITE REVIEW BY A REPRESENTATIVE OF DSA.
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS AFFECTING FLS, SSS, AND/OR ACS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR AND DSA IR A-6.
- A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- A COPY OF PART 1 TO PART 5 OF TITLE 24 SHALL BE KEPT AND BE AVAILABLE IN THE FIELD DURING CONSTRUCTION.
- DSA SHALL BE NOTIFIED OF THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24, CCR.
- THE DIVISION OF THE STATE ARCHITECT IS EXEMPT FROM ARBITRATION OR MEDIATION PROCEDURES.
- SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT IS PER SECTION 4-334, PART 1, TITLE 24, CCR.
- ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, CCR:
 - VERIFIED REPORTS PER SECT 4-336, PART 1, TITLE 24 CCR
 - DUTIES OF ARCHITECT PER SECT 4-331, 4-341; PART 1, TITLE 24 CCR
 - DUTIES OF CONTRACTOR PER SECT 4-343, PART 1, TITLE 24 CCR
- TESTING AND INSPECTION:
 - INSPECTOR APPROVED BY DSA AS PER SECT. 4-333(D); PART 1, TITLE 24, CCR
 - TESTS AND TESTING LABORATORIES PER SECT 4-335
 - SPECIAL INSPECTION PER SECT. 4-333(C)
- CHANGES IN LEVEL FOR FLOOR FINISHES SHALL CONFORM WITH CBC SECTION 1120B.2 AND 1120B.3.
- ALL TESTS TO CONFORM TO REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24, CCR.
- TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335, PART 1, TITLE 24, CCR AND THE DISTRICT SHALL EMPLOY AND PAY THE DSA ACCEPTED LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
- INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333(B).
- 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).
- INSPECTOR OF RECORD REQUIREMENTS:
 - ONE OR MORE INSPECTORS EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS WILL BE ASSIGNED TO THE WORK. THE INSPECTOR'S DUTIES ARE SPECIFICALLY DEFINED IN SECTION 4-342 OF SAO TITLE 24, PART 1 AND IN ADDITION, SHALL BE STIPULATED IN INTERPRETATION OF REGULATION DOCUMENT IR A-8.
 - INSPECTOR SHALL BE CERTIFIED AS A CLASS 2 INSPECTOR THROUGH THE DIVISION OF THE STATE ARCHITECT INSPECTOR EXAMINATION PROGRAM. INSPECTOR SHALL ALSO BE SPECIFICALLY APPROVED BY THE DIVISION OF THE STATE ARCHITECT FOR THIS PROJECT AT LEAST 10 DAYS PRIOR TO THE START OF ANY WORK FOR THIS PROJECT.

DEFERRED APPROVALS

- NONE

ADD ALTERNATES

- NONE

CODES AND REGULATIONS

- APPLICABLE STATE CODES AND REGULATIONS WITH LATEST AMENDMENTS AND SUPPLEMENTS:
- 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR
 - 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 IBC & CALIFORNIA AMENDMENTS)
 - 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 NATIONAL ELECTRICAL CODE & CALIFORNIA AMENDMENTS)
 - 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2021 UNIFORM MECHANICAL CODE & CALIFORNIA AMENDMENTS)
 - 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 UNIFORM PLUMBING CODE & CALIFORNIA AMENDMENTS)
 - 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CBCS
 - 2022 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 CCR
 - 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR (2021 INTERNATIONAL FIRE CODE & CALIFORNIA AMENDMENTS)
 - 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 INTERNATIONAL EXISTING BUILDING CODE & CALIFORNIA AMENDMENTS)
 - 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE PART 11, TITLE 24
 - 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR
 - TITLE 8 CCR, CH. 4, SUB-CH. 6 - ELEVATOR SAFETY ORDERS
 - TITLE 19 CCR, PUBLIC SAFETY - SFM REGULATIONS
- APPLICABLE FEDERAL CODES AND STANDARDS:
- AMERICANS WITH DISABILITIES ACT (ADA), TITLE 11
 - UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) or ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)
- APPLICABLE REFERENCED STANDARDS:
- NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED), 2019 EDITION
 - NFPA 24, PRIVATE FIRE MAINS (CA AMENDED), 2019 EDITION
 - NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED), 2022 EDITION
 - NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES, 2019 EDITION
 - NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2018 EDITION
- REFERENCE CODE SECTION FOR NFPA STANDARDS - 2022 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

PROJECT DESCRIPTION

APN: 067-300-011

THE PROJECT INCLUDES NEW DRINKING FOUNTAINS, NEW BOTTLE FILLER IN BUILDING A, NEW METAL SHADE STRUCTURE, AND A REVISED PARKING LOT WITH ASSOCIATED SITE WORK.

NOTE THAT DRINKING FOUNTAINS WILL BE INSTALLED DURING THE SCHOOL YEAR, WHILE ALL OTHER WORK WILL BE INSTALLED DURING THE SUMMER OF 2024.

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

Application No. 02-122276

File No. 57-31

- [X] The drawings or sheets listed on the cover or index sheet (all C, P, and PC drawings)
- [] This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

- design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
- coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The 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, (Title 24, Part 1, Section 4-317 [b]).

- I find that:
- [X] All drawings or sheets listed on the cover or index sheet
- [] This drawing or page

- [X] is/are in general conformance with the project design and
- [X] has/have been co-ordinated with the project plans and specifications

Signature

02/29/2024

Date

Architect or Engineer designated to be in general responsible charge.

Brian P. Whitmore

Print Name

C 30345

License Number

09-30-2025

Expiration Date

STATEMENT OF GENERAL CONFORMANCE AND SIGNATURE BLOCK PER IR A-18

DRAWING INDEX

SHT. NO.

DESCRIPTION

GENERAL

- | | |
|------|---|
| A0.1 | COVER SHEET |
| A0.2 | GENERAL NOTES |
| A0.3 | ARCHITECTURAL SYMBOLS AND ABBREVIATIONS |
| A0.5 | CODE ANALYSIS SITE PLAN |

CIVIL

- | | |
|------|---------------------------------------|
| C0.0 | CIVIL GENERAL NOTES AND ABBREVIATIONS |
| C0.1 | TOPOGRAPHIC SURVEY |
| C0.2 | UTILITY SURVEY |
| C1.1 | DEMOLITION PLAN |
| C1.2 | DEMOLITION PLAN |
| C2.1 | GRADING PLAN |
| C2.2 | GRADING PLAN |
| C3.1 | UTILITY PLAN |
| C4.1 | PAVING AND STRIPING PLAN |
| C4.2 | PAVING AND STRIPING PLAN |
| C5.1 | DETAILS AND SECTIONS |

ARCHITECTURAL

- | | |
|---------|-------------------------------|
| A1.1 | SITE PLAN OVERALL |
| A1.2 | ENLARGED SHADE STRUCTURE PLAN |
| A10.2.1 | SITE DETAILS |
| A10.2.2 | SPECIALTIES |

PLUMBING

- | | |
|------|-----------------------------------|
| P0.1 | PLUMBING LEGEND AND GENERAL NOTES |
| P1.1 | PLUMBING SITE PLAN |

METAL SHADE STRUCTURE (PC 04-122375)

- | | |
|-------|---|
| LS1.0 | GENERAL INFO |
| LS1.1 | GENERAL INFO |
| LS3.0 | 30' WIDE RECTANGULAR HIP FOUNDATION PLAN |
| LS3.1 | 30' WIDE RECTANGULAR HIP FRAMING & CONNECTION DETAILS |
| LS3.4 | 30' WIDE RECTANGULAR HIP STANDING SEAM AND ROOFING PLAN |
- TOTAL SHEET COUNT: 26

PROJECT DIRECTORY

CLIENT

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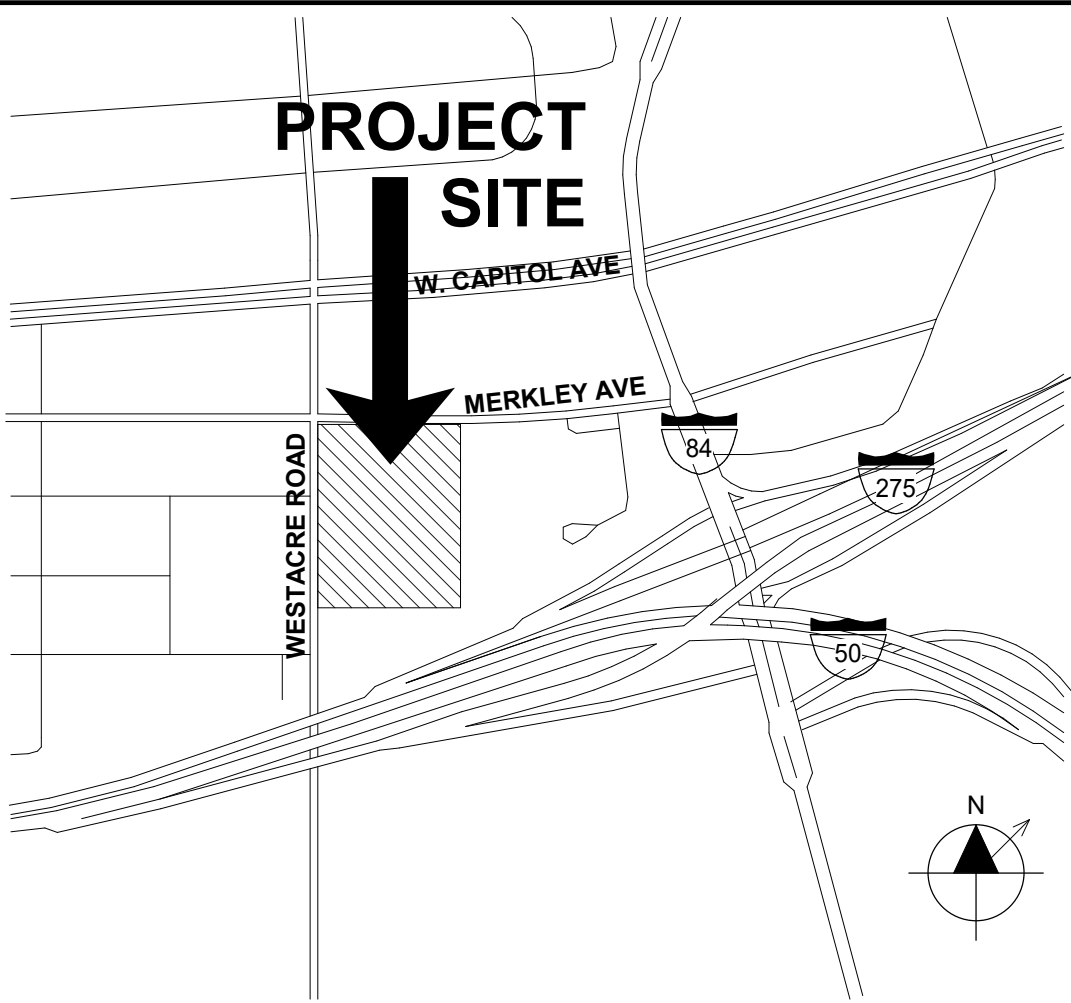
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VICINITY MAP

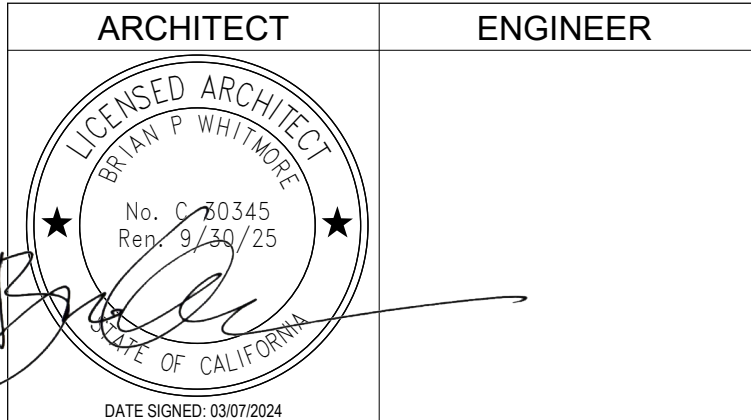


IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122276 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/18/2024



STUDIO W
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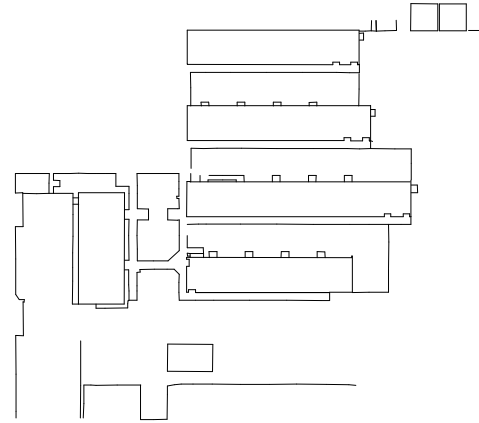


- GENERAL NOTES
- This sheet is part of a set and is not to be used alone.
 - This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicated drawings have been released for construction.
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NO.	REMARKS	DATE

- REVISION HISTORY
- DATE
- DRAWING STATUS
- ☐ DSA PLAN CHECK
- ☐ DSA BACK CHECK
- ☐ BIDDING
- ☐ CONSTRUCTION

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

DESIGN DEVELOPEMENT

YOLO EDUCATION
CENTER
ESSR III
919 WESTACRE ROAD, WEST
SACRAMENTO, CA 95691

COVER SHEET

Date
03/07/2024

Application Number
02-122276

Drawn
Author

Project Number
22048

Drawing Number
02-122276

Checked
Checker

A0.1

PRINT DATE: 3/7/2024 11:22:23 AM
FILE PATH: RIM 360/J22048 Washington ISD Yolo Education Center/J22048-WISD Yolo HS-Site-A21.mxd

ARCHITECTURAL DRAWING ABBREVIATIONS

#	POUND OR NUMBER	DG	DECOMPOSED GRANITE
&	AND	DH	DOUBLE HUNG
.	ITEMS IDENTIFIED AS "NIC" ARE NOT PART OF THIS DSA APPROVAL	DIA	DIAMETER
2X	NOMINAL LUMBER SIZE (4X, 6X, 8X, ETC.)	DIAG	DIAGONAL
@	AT	DIFF	DIFFUSER
⊥	PERPENDICULAR	DIM	DIMENSION
		DISP	DISPENSER
A		DIV	DIVISION
A/C	AIR CONDITIONING	DMPF	DAMP/PROOFING
A/E	ARCHITECT/ENGINEER	DMT	DEMOUNTABLE
AB	ANCHOR BOLT	DN	DOWN
ABAN	ABANDON	DR	DOOR
ABC	AGGREGATE BASE COURSE	DRB	DRAINBOARD
ABV	ABOVE	DRLV	DOOR LOUVER
AC	ASPHALTIC CONCRETE	DS	DOWNSPOUT
ACC	ACCESSIBLE	DSP	DRY STANDPIPE
ACP	ALUMINUM COMPOSITE PANEL	DT	DRAIN TILE
ACST	ACOUSTICAL	DVTL	DOVETAIL
ACT	ACOUSTICAL CEILING TILE	DW	DISHWASHER
AD	AREA DRAIN	DWG	DRAWING
ADDUM	ADDENDUM	DWL	DOWEL
ADH	ADHESIVE	DWR	DRAWER
ADJ	ADJUSTABLE		
ADJC	ADJACENT	E	EXISTING
AFT	ABOVE FINISH FLOOR	(E)	EXISTING
AFG	ABOVE FINISHED GRADE	E	EAST
AGGR	AGGREGATE	EA	EACH
AHU	AIR HANDLING UNIT	EAR	EXHAUST AIR REGISTER
ALS	ASSISTED LISTENING SYSTEM	EB	EXPANSION BOLT
ALT	ALTERNATE	EE	EACH END
ALUM./AL.	ALUMINUM	EF	EACH FACE
ANC	ANCHOR, ANCHORAGE	EFS	EXTERIOR FINISH SYSTEM
APLD	APPLIED	EHD	ELECTRIC HAND DRYER
APPRX	APPROXIMATELY	EHS	EXTERIOR INSULATION AND FINISH SYSTEM
ARCH	ARCHITECT(U)RAL	EJ	EXPANSION JOINT
ASC	ABOVE SUSPENDED CEILING	EL	ELEVATION
ASF	ABOVE STAGE FINISH	ELAST	ELASTOMERIC
ASPH	ASPHALT	ELEC	ELECTRICAL
ASSY	ASSEMBLY	ELEV	ELEVATOR
ASYM	ASYMMETRICAL	EM	EXPANDED METAL
AUTO	AUTOMATIC	EMER	EMERGENCY
AV	AUDIO VISUAL	EN	EDGE NAILING
AWG	AMERICAN WIRE GAUGE	ENCL	ENCLOSURE
		ENGR	ENGINEER
		ENTR	ENTRANCE
B		EP	ELECTRICAL PANELBOARD
B	BOLT	EQ	EQUAL
BC	BACK OF CURB	EQUIP	EQUIPMENT
BOARD		ESC	ESCUTCHEON
BTUM	BITUMINOUS	ESCL	ESCALATOR
BLDG	BUILDING	ESMT	EASEMENT
BLK	BLOCK	EW	EACH WAY
BLKG	BLOCKING	EWG	ELECTRIC WATER COOLER
BLW	BELOW	EWL	ELECTRIC WATER HEATER
BLW CLG	BELOW CEILING	EWS	EYE WASH STATION
BLW FFLR	BELOW FINISH FLOOR	EXC	EXCAVATE
BM	BENCH MARK	EXH	EXHAUST
BN	BOUNDARY NAILING	EXP	EXPOSED
BO	BOTTOM OF	EXPN	EXPANSION
BOT	BOTTOM	EXS	EXTRA STRONG
BRCG	BRACING	EXT	EXTERIOR
BRDG	BRIDGING		
BRG	BEARING	F	FUTURE
BRK	BRICK	(F)	FUTURE
BRKT	BRACKET	F/F	FACE TO FACE
BRS	BRASS	FA	FIRE ALARM
BRZ	BRONZE	FAB	FABRIC
BS	BOTH SIDES	FBD	FIBERBOARD
BSMT	BASEMENT	FBK	FIRE BRICK
BTWN	BETWEEN	FCBRK	FACE BRICK
BUR	BUILT UP ROOFING	FD	FLOOR DRAIN
BW	BOTH WAYS	FDN	FOUNDATION
		FE	FIRE EXTINGUISHER
C		FEC	FIRE EXTINGUISHER CABINET
C&G	CURB AND GUTTER	FF	FINISH FLOOR
CAB	CABINET	FFA	FROM FLOOR ABOVE
CAD	CADMIUM	FFB	FROM FLOOR BELOW
CB	CATCH BASIN	FFEL	FINISHED FLOOR ELEVATION
CBB	CEMENTITIOUS BACKER BOARD	FFL	FINISHED FLOOR LINE
CBC	CALIFORNIA BUILDING CODE	FGL	FIBERGLASS
CEM	CEMENT	FHC	FIRE HOUSE CABINET
CER	CERAMIC	FHMB	FLAT HEAD MACHINE BOLT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	FHMS	FLAT HEAD MACHINE SCREW
CFLG	COUNTERFLASHING	FHWS	FLATHEAD WOOD SCREW
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED	FIN	FINISHED
CG	CORNER GUARD	FLA	FLASHING
CHBD	CHALKBOARD	FLDG	FOLDING
CHFR	CHAMFER	FLG	FLOORING
CI	CAST IRON	FLR	FLOOR
CIP	CAST IN PLACE	FLROR	FLUORESCENT
CIR	CIRCLE	FN	FIELD NAILING
CIRC	CIRCULAR, CIRCUMFERENCE	FOB	FACE OF BLOCK
CJ	CONSTRUCTION JOINT	FOC	FACE OF CONCRETE/CURB
CL	CHAIN LINK OR CENTER LINE	FOF	FACE OF FINISH
CLG	CEILING	FOG	FACE OF GRID
CLJ	CONTROL JOINT	FOM	FACE OF MASONRY
CLKG	CAULKING	FOS	FACE OF STUD
CLL	CONTRACT LIMIT LINE	FPL	FIREPLACE
CLOS	CLOSURE	FRF	FIREPROOF(ING)
CLR	CLEAR(ANCE)	FR	FRAME(D), (ING)
CLRM	CLASSROOM	FRG	FIBERGLASS REINFORCED GYPSUM
CMP	CORRUGATED METAL PANEL	FRP	FIBERGLASS REINFORCED PLASTIC
CMPST	COMPOSITION	FRTW	FIRE RETARDANT TREATED WOOD
CMU	CONCRETE MASONARY UNIT	FRZ	FREEZER
CNCL	CONCEALED	FS	FIRE SPRINKLER
CNR	CORNER	FS	FAR SIDE
CNTR	COUNTER	FSTN	FASTEN, FASTENER
COL	COLUMN	FT	FOOT/FEET
COM	COMMON	FTG	FOOTING
COMB	COMBINATION	FURG	FURRED, (ING)
COMP	COMPOSITE	FWC	FABRIC WALL COVERING
COMPT	COMPARTMENT		
CONC	CONCRETE	G	GAUGE
CONF	CONFERENCE	GAL	GALLON
CONN	CONNECTION	GALV	GALVANIZED
CONSTR	CONSTRUCTION	GB	GRAB BAR
CONT	CONTINUOUS, CONTINUATION	GFRC	GLASS FIBER REINFORCED CONCRETE
CONTR	CONTRACT(OR)	GI	GALVANIZED IRON
COORD	COORDINATE	GL	GLASS
CORR	CORRIDOR	GLULAM	GLUE LAMINATED
CPR	COPPER	GLZ	GLAZING
CPRS	COMPRESS(ED), (ION), (IBLE)	GLZCMU	GLAZED CONCRETE MASONRY UNIT
CPT	CARPET	CNS	CASING
CRS	COLD ROLLED STEEL	GPC	GYPSUM PLASTER CEILING
CS	CAST STONE	GR	GRADE
CSG	CASING	GRBM	GRADE BEAM
CSK	COUNTERSUNK	GRLN	GRADE LINE
CSMT	CASEMENT	GSB	GYPSUM SHEATHING BOARD
CSWK	CASEWORK	GSM	GALVANIZED SHEET METAL
CT	CERAMIC TILE	GSS	GALVANIZED STEEL SHEET
CTB	CERAMIC TILE BASE	GST	GLAZED STRUCTURAL TILE
CTF	CERAMIC TILE FLOOR	GTO	GROUT
CTG	COATING	GVL	GRAVEL
CTR	CENTER	GYP	GYPSUM
CURT	CURB FOOT	GYP BD	GYPSUM BOARD
CUIN	CUBIC INCH	H	
CUST	CUSTODIAN	HB	HOSE BIB
CUYD	CUBIC YARD	HC	HOLLOW CORE
CW	CURTAIN WALL	HD	HEAVY DUTY
		HDAS	HEADED ANCHOR STUD
D	DRAIN	HDT	HEAD JOINT
d	PENNYWEIGHT (NAILS)	HDR	HEADER
DA	DOUBLE ACTING	HDW	HARDWARE
DBL	DOUBLE	HOWD	HARDWOOD
DEG	DEGREES	HEX	HEXAGONAL
DEMO	DEMOLISH, DEMOLITION	HGR	HANGER
DEP	DEPRESSED	HLDN	HOLD DOWN
DEPT	DEPARTMENT	HM	HOLLOW METAL
DET	DETAIL		
DF	DRINKING FOUNTAIN		

HMD	HOLLOW METAL DOOR	PE	PEDESTAL
HMF	HOLLOW METAL FRAME	PERF	PERFORATED
HMF	HOLLOW METAL FRAME	PERIM	PERIMETER
HNDRL	HANDRAIL	PERP	PERPENDICULAR
HORIS	HORIZONTAL	PSBD	STANDARD
HPT	HIGH POINT	PH	PHASE
HR	HOUR	PHS	PHILLIPS HEAD SCREW
HT	HEIGHT	PIV	POINT OF INTERSECTION
HTG	HEATING	PL	POST INDICATOR VALVE
HVAC	HEATING, VENTILATING, AIR CONDITIONING	PLAM	PLATE, PROPERTY LINE
HW	HOT WATER HEATER	PLAS	PLASTER
		PLYWD	PLYWOOD
I	INSIDE DIAMETER	PM	PRESSED METAL
IN	INCH	PM	PRESSED METAL FRAME
INCL	INCLUDE(D), (ING)	PNEU	PNEUMATIC
INFO	INFORMATION	PNL	PANEL
INSTL	INSTALL	PNT	PAINT(ED)
INSUL	INSULATE(D), (ION)	POL	POLISHED
INT	INTERIOR	POLY	POLYETHYLENE
INV	INVERT	PORC	PORCELAIN
IPS	IRON PIPE SIZE	PORT	PORTABLE
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	PR	PAIR
		PROCT	PRECAST
J		PREFAB	PREFABRICATED
JAN	JANITOR	PREFIN	PREFINISHED
JST	JOIST	PREFMD	PREFORMED
JT	JOINT	PRKG	PARKING
		PRML	PREFORMED
K		PROJ	PROJECT
KIT	KITCHEN	PROP	PROPERTY
KO	KNOCKOUT	PSCONC	PRESSED CONCRETE
KPL	KICKPLATE	PT	POINT
		PTD	PAPER TOWEL DISPENSER
L		PTDF	PRESSURE TREATED DOUGLAS FIR
LAB	LABORATORY	PTN	PARTITION
LAD	LADDER	PTR	PAPER TOWEL RECEPTACLE
LAM	LAMINATE	PVC	POLYVINYL CHLORIDE
LAV	LAVATORY	PVEI	PAVE(D), (ING)
LB(S)	POUND(S)	PVMT	PAVEMENT
LBL	LABEL		
LBR	LUMBER	Q	
LDR	LEADER	QT	QUARRY TILE
LF	LINEAL FOOT	QTB	QUARRY TILE BASE
LG	LENGTH, LONG	QTF	QUARRY TILE FLOOR
LH	LEFT HAND	QTR	QUARTER
LHR	LEFT HAND REVERSE	QTY	QUANTITY
LKNUT	LOCKNUT		
LKR	LOCKER	R	RISER
LKWASH	LOOKWASHER	RA	RETURN AIR
LLH	LONG LEG HORIZONTAL	RAB	RABBIT
LLV	LONG LEG VERTICAL	RAD	RADIUS
LMST	LANDSCAPE	RB	RESILIENT BASE
LNSCP	LANDSCAPE(D)	RBR	RUBBER
LNTL	LINTEL	RCP	REINFORCED CONCRETE PIPE
LP	LIGHTPROOF	RCVR	RECEIVER
LPT	LOW POINT	RD	ROAD DRAIN
LT	LIGHT	RDWY	ROADWAY
LTWT	LIGHTWEIGHT	REBAR	REINFORCING STEEL BARS
LV	LOUVER VENT	REC	RECESSED
LVL	LEVEL(ER)	RECT	RECTANGULAR
LWC	LIGHTWEIGHT CONCRETE	RECYL	RECYCLING
LWIC	LIGHTWEIGHT INSULATING CONCRETE	REF	REFERENCE
		REFL	REFLECT(ED), (IVE), (OR)
M		REFR	REFRIGERATOR
MAINT	MAINTAIN(ANCE)	REG	REGISTER
MAS	MASONRY	REIN	REINFORCED
MATL	MATERIAL	REM	REMOVE(ABLE)
MAX	MAXIMUM	REP	REPAIR
MB	MACHINE BOLT	REPL	REPLACE
MBR	MEMBER	REQD	REQUIRED
MC	MEDICINE CABINET	RESIL	RESILIENT
MCB	METAL CORNER BEAD	RET	RETURN
MDO	MEDIUM DENSITY OVERLAD	REV	REVISION(S), REVISED
MECH	MECHANICAL	RF	RESILIENT FLOORING
MED	MEDIUM	RFG	ROOFING
MEMB	MEMBRANE	RFH	ROOF HATCH
MEZZ	MEZZANINE	RGDINS	RIGID INSULATION
MFD	METAL FLOOR DECKING	RH	RIGHT HAND
MFR	MANUFACTURER	RHMS	ROUND HEAD MACHINE SCREW
MH	MANHOLE	RHR	RIGHT HAND REVERSE
MN	MINOR	RHWS	ROUND HEAD WOOD SCREW
MIRR	MIRROR	RL	ROOF LEADER
MISC	MISCELLANEOUS	RLG	RAILING
ML	METAL LATH	RM	ROOM
MLDG	MOLDING	RND	ROUND
MLWK	MILLWORK	RO	ROUGH OPENING
MO	MASONRY OPENING	ROW	RIGHT OF WAY
MOD	MODULE(AR)	RR	RESTROOM
MR	MOISTURE RESISTANT	RS	ROUGH SAWN
MRB	MARBLE	RTF	RUBBER TILE FLOORING
MRD	METAL ROOF DECKING	RTU	ROOF TOP UNIT
MS	MACHINE SCREW	RV	ROOF VENT
MTD	MOUNTED	RVL	REVEAL
MTL	METAL	RVS	REVERSE (SIDE)
MTR	MORTAR	RVT	RIVET(ED)
MULL	MULLION	RWD	REDWOOD
		RWL	RAIN WATER LEADER
N			
(N)	NEW	S	
N	NORTH	S	SOUTH
NAT	NATURAL	S2S	SURFACED TWO SIDES
NCOMBL	NONCOMBUSTIBLE	S4S	SURFACED FOUR SIDES
NE	NOT EXCEEDING	SA	SURPLY AIR
NF	NEAR FACE	SALV	SALVAGE
NIC	NOT IN CONTRACT	SAM	SELF-ADHERED MEMBRANE
NLB	NON-LOAD BEARING	SAT	SUSPENDED ACOUSTICAL TILE
NM	NONMETALLIC	SB	SPLASH BLOCK
NO	NUMBER	SBSTR	SUBSTRATE
NOM	NOMINAL	SC	SOLID CORE
NR	NOISE REDUCTION	SCD	SEAT COVER DISPENSER
NRC	NOISE REDUCTION COEFFICIENT	SCHED	SCHEDULE
NRCA	NATIONAL ROOFING CONTRACTOR'S ASSOCIATION	SCP	SCUPPER
NS	NEAR SIDE	SCRN	SCREEN
NTS	NOT TO SCALE	SD	STORM DRAIN
		SDBL	SANDBLAST
O		SEC	SECONDS
O	OVER	SECT	SECTION
O/O	OUT TO OUT	SEP	SEPERATE OR SEPERATION
OA	OVERALL	SF	SQUARE FEET, STOREFRONT
OBS	OBSCURE	SINGLE	SINGLE
OC	ON CENTER	SHR	SHOWER
OD	OCCUPANTS OR OCCUPANCY	SHT	SHEET(ING)
OFI	OWNER INSTALLED	SHTG	SHEATHING
OFF	OFFICE	SHV	SHELVES(ING)
OFOI	OWNER FURNISHED OWNER INSTALLED	SIM	SIMILAR
OFS	OUTSIDE FACE OF STUD	SK	SINK
OHMS	OHV HEAD MACHINE SCREW	SKLT	SKYLIGHT
OHWS	OVERHEAD WOOD SCREW	SLD	SEAL/D
OI	OWNER INSTALLED	SLDG	SLIDE(ING)
OPH	OPPOSITE HAND	SLDR	SOLDER
OPNG	OPENING	SLNT	SEALANT
OPP	OPPOSITE	SLV	SLEEVE
OPQ	OPAQUE	SM	SHEET METAL
OPR	OPERABLE	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
ORD	OVERFLOW ROOF DRAIN	SMLS	SEAMLESS
OSB	ORIENTED STRAND BOARD	SMS	SHEET METAL SCREW
OVFL	OVERFLOW	SND	SANITARY NAPKIN DISPENSER
OVHD	OVERHEAD	SNDINS	SOUND INSULATION
		SNDU	SANITARY NAPKIN DISPOSAL UNIT
P		SNT	SEALANT
P	PAINT	SP	SPACES
PA	PUBLIC ADDRESS	SPC	SUSPENDED PLASTER CEILING
PAR	PARALLEL	SPD	SOAP DISPENSER
PAT	PATTERN	SPEC	SPECIFICATION(S)
PB	PANIC BAR	SPRK	SUPPORT
PBD	PARTICLE BOARD	SQ	SQUARE
PCC	PORTLAND CEMENT	SS	STAINLESS STEEL
PCD	PRECAST CONCRETE	SSK	SERVICE SINK
PCP	PORTLAND CEMENT PLASTER		

PE	PEDESTAL
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PSBD	PEGBOARD
PH	PHASE
PHS	PHILLIPS HEAD SCREW
PI	POINT OF INTERSECTION
PV	POST INDICATOR VALVE
PL	PLATE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PM	PRESSED METAL
PMF	PRESSED METAL FRAME
PNEU	PNEUMATIC
PNL	PANEL
PNT	PAINT(ED)
POL	POLISHED
POLY	POLYETHYLENE
PORC	PORCELAIN
PORT	PORTABLE
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREFMD	PREFORMED
PRKG	PARKING
PRML	PREMOLDED
PROJ	PROJECT
PROP	PROPERTY
PSCONC	PRESTRESSED CONCRETE
PT	POINT
PTD	PAPER TOWEL DISPENSER
PTDF	PRESSURE TREATED DOUGLAS FIR
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
PVG	PAVE(D), (ING)
PVMT	PAVEMENT
Q	
QT	QUARRY TILE
QTB	QUARRY TILE BASE
QTF	QUARRY TILE FLOOR
QTR	QUARTER
QTY	QUANTITY
R	
R	RISER
RA	RETURN AIR
RAB	RABBIT
RAD	RADIUS
RB	RESILIENT BASE
RBR	RUBBER
RCP	REINFORCED CONCRETE PIPE
RCVR	RECEIVER
RD	ROAD DRAIN
RDWY	ROADWAY
REBAR	REINFORCING STEEL BARS
REC	RECESSED
RECT	RECTANGULAR
RECYL	RECYCLING
REF	REFERENCE
REFL	REFLECT(ED), (IVE), (OR)
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED
REM	REMOVE(ABLE)
REP	REPAIR
REPL	REPLACE
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISION(S), REVISED
RF	RESILIENT FLOORING
RFG	ROOFING
RFH	ROOF HATCH
RGDSNS	RIGID INSULATION
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHR	RIGHT HAND REVERSE
RHWS	ROUND HEAD WOOD SCREW
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RR	RESTROOM
RS	ROUGH SAWN
RTF	RUBBER TILE FLOORING
RTU	ROOF TUP UNIT
RV	ROOF VENT
RVL	REVEAL
RVS	REVERSE (SIDE)
RVT	RIVET(ED)
RWD	REDWOOD
RWL	RAIN WATER LEADER
S	
S	SOUTH
S2S	SURFACED TWO SIDES
S4S	SURFACED FOUR SIDES
SA	SUPPLY AIR
SALV	SALVAGE
SAM	SELF-ADHERED MEMBRANE
SAT	SUSPENDED ACOUSTICAL TILE
SB	SPLASH BLOCK
SBSTR	SUBSTRATE
SCD	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SCP	SCUPPER
SCRN	SCREEN
SD	STORM DRAIN
SDBL	SANDBLAST
SEC	SECONDS
SECT	SECTION
SEP	SEPERATE OR SEPERATION
SF	SQUARE FEET, STOREFRONT
SGL	SINGLE
SHR	SHOWER
SHT	SHEET(ING)
SHTG	SHEATHING
SHV	SHELVES(ING)
SIM	SIMILAR
SK	SINK
SKLT	SKYLIGHT
SLD	SEALED
SLDG	SLIDE(ING)
SLDR	SOLDER
SLNT	SEALANT
SLV	SLEEVE
SM	SHEET METAL
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
SMLS	SEAMLESS
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPENSER
SNDINS	SOUND INSULATION
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SNT	SEALANT
SP	SPACES
SPC	SUSPENDED PLASTER CEILING
SPD	SOAP DISPENSER
SPEC	SPECIFICATION(S)
SPRT	SUPPORT
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK

GENERAL NOTES

EXISTING CONDITIONS

1. ALL (E) STRUCTURES AND ITEMS ON SITE ARE APPROXIMATE BASED ON DRAWINGS FROM OWNER.

BUILDING

1. ALL EXTERIOR OUTWARD SWINGING DOORS TO HAVE A MINIMUM 5'-0" LEVEL LANDING.

2. ALL BUILDING ENTRANCES AND EXTERIOR GROUND LEVEL EXITS SHALL BE ACCESSIBLE.

ACCESSIBLE PATH OF TRAVEL

1. SEE ACCESSIBLE PATH OF TRAVEL DEFINITION, THIS SHEET.

2. ALL SIDEWALKS ALONG THE ACCESSIBLE ROUTE TO BE A MINIMUM OF 4'-0" WIDE, AND THERE SHALL BE NO DROP-OFFS OVER 4" AT EDGE OF WALK OR LANDING. WHERE A 4" DROP-OFF DOES OCCUR, PROVIDING A 6" HIGH WARNING CURB OR GUARD OR HANDRAIL. (SEE CBC SECTION 11B-303.3) FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WALKWAY IN THE PATH OF TRAVEL, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM IN THE DIRECTION OF TRAFFIC FLOW.

3. 36" WIDE CONTINUOUS DETECTABLE WARNING SHALL BE USED WHERE THE PEDESTRIAN PATH CROSSES OR ADJOINS A VEHICULAR WAY (SUCH AS A DRIVEWAY) TO WARN OF POTENTIAL HAZARDS AS PER CBC 11B-705.

4. SEE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT ON THIS SHEET FOR PATH OF TRAVEL REQUIREMENTS.

ACC. PATH OF TRAVEL

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLANS IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

(BASED ON DSA PROCEDURE PR 15-01)

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND 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 PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ACCESSIBLE PARKING

BASED ON CBC TABLE 11B-208.2 "PARKING SPACES"

STANDARD PARKING PROVIDED: 20 STALLS

ACCESSIBLE PARKING PROVIDED: 01 STALLS + 01 VAN STALLS

TOTAL PARKING PROVIDED: 22 STALLS

LOCAL FIRE AUTHORITY REVIEW

810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION

School District/Owner: Washington Unified School District

Project Name/School: Yolo Education Center

Project Address: 919 Westacre Road, West Sacramento, CA 95691

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.) Yes ☐ No ☒

2. Was the fire hydrant water flow test performed as part of this LFA review? Yes ☐ No ☒

3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by CalFire? If yes, indicate FHSZ classification below. Yes ☐ No ☒

Refer to the following website for FHSZ locations: <http://cagis.fhsz.ca.gov/011502>

Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 1A.) Moderate ☐ High ☐ Very High ☐ WIFA ☐

DSG DSA 810 (revised 12/26/20) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4

LOCAL FIRE AUTHORITY (LFA) INFORMATION


LFA Agency Name: West Sacramento Fire Department

LFA Review Official: Bryan Jonson

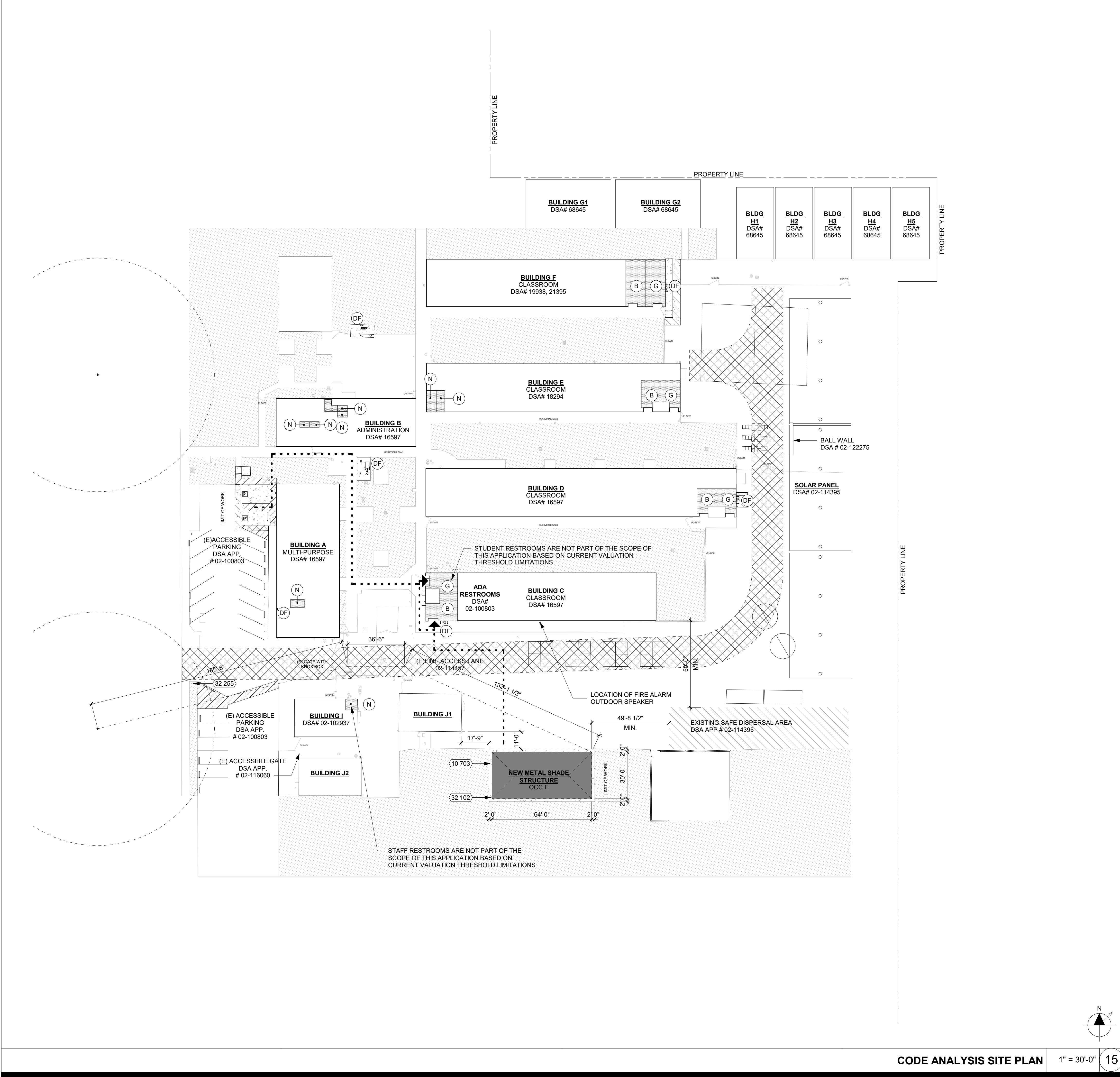
Title: Fire Marshal

Work Phone: (916) 617-4608

Work Email: bryan@yolocofirewestsacramento.org

LFA Reviewer's Signature:  Date: 02/22/24

DSG DSA 810 (revised 12/26/20) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 2 of 4



KEYNOTES

NUMBER	NOTE
10 703	NEW METAL SHADE STRUCTURE (SEE PC DRAWINGS)
32 102	CONCRETE PAVING (SEE CIVIL DWGS.)
32 255	TOW AWAY SIGN (SEE DETAIL 10A10.2.1.) DEMO (E)

CODE ANALYSIS

BUILDING NAME	METAL SHADE STRUCTURE
BUILDING CONDITION	NEW
OCCUPANCY (CBC SECTION 302)	A-3
BUILDING HEIGHT	15'-0"
NUMBER OF STORIES	1
TYPE OF CONSTRUCTION	II-B
SPRINKLERS	NO (CAMPUS IS SPRINKLERED)

LOCATION: PER DSA IR 31-1, SECTION 5.1: "SHADE STRUCTURES (SS) PROPOSED FOR LOCATION WITHIN THE FRONTAGE AREA OF A NEW OR EXISTING BUILDING DO NOT INCREASE THE FLOOR AREA OF THAT BUILDING. WHEN LOCATED WITHIN THE FRONTAGE AREA OF A BUILDING WHERE THE FRONTAGE HAS BEEN USED FOR AN AREA FACTOR INCREASE, THE SS SHALL NOT EXCEED 1/3 OF THE PROJECTED HORIZONTAL AREA OF THE FRONTAGE AREA WHERE LOCATED."

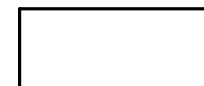



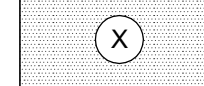




REFER TO IMAGE BELOW FOR SS AREA IN FRONT OF BUILDING FRONTAGE. NO AREA INCREASE.

FIRE SPRINKLERS: ALTHOUGH EXISTING SCHOOL BUILDING IS FULLY SPRINKLERED, PER DSA IR 31-1 SECTION 6, AN "AUTOMATIC FIRE SPRINKLER SYSTEM IS NOT REQUIRED FOR FREE-STANDING SHADE STRUCTURES... THEREFORE, NO SPRINKLERS HAVE BEEN ADDED TO NEW SHADE STRUCTURES.


FIRE ALARM: PER DSA IR 31-1, "OCCUPANTS OF SHADES STRUCTURE SHALL BE CAPABLE OF HEARING THE CAMPUS FIRE ALARM SIGNAL." REFER TO SITE PLAN FOR LOCATION OF FIRE ALARM NOTIFICATION APPLIANCES ADJACENT TO SHADE STRUCTURE.

REFER TO ENLARGED PLAN FOR ADDITIONAL INFORMATION ON SHADE TYPE OF CONSTRUCTION, OCCUPANCY TYPE, AND EGRESS.

BUILDING DSA APPLICATIONS	
BUILDING ID	DSA APPLICATION NUMBER(S)
BUILDING A	16597
BUILDING B	16597
BUILDING C	19938, 21395, 02-100803, 02-116346
BUILDING D	18294
BUILDING E	16597, 02-116346
BUILDING F	16597, 02-100803, 02-116346
BUILDING G1	68645
BUILDING G2	68645
BUILDING H1	68645
BUILDING H2	68645
BUILDING H3	68645
BUILDING H4	68645
BUILDING H5	02-101722
BUILDING I	02-102937
BUILDING J1	02-114457
BUILDING J2	02-115050

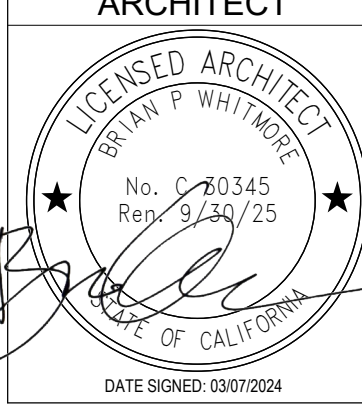
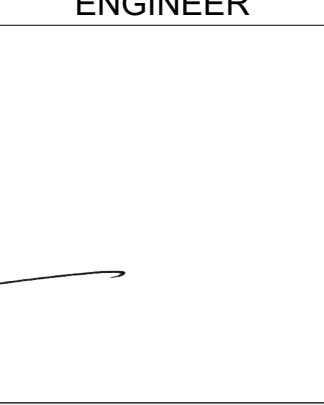
LEGEND	
	(E) BUILDING, NOT UNDER SCOPE OF WORK
	SHADE STRUCTURE UNDER SCOPE OF WORK
	20'-0" WIDE MINIMUM CLEAR FIRE ACCESS LANE
	ACCESSIBLE BATHROOM FACILITIES: (W) WOMENS (M) MENS (G) GIRLS (B) BOYS (S) ALL GENDER STAFF (SINGLE OCCUPANCY) (N) ALL GENDER STUDENT (SINGLE OCCUPANCY) (DF) DRINKING FOUNTAIN
	EXISTING BATHROOM FACILITIES: (W) WOMENS (M) MENS (G) GIRLS (B) BOYS (S) ALL GENDER STAFF (SINGLE OCCUPANCY) (N) ALL GENDER STUDENT (SINGLE OCCUPANCY) (E) DRINKING FOUNTAIN
	ACCESSIBLE PATH OF TRAVEL, SEE DEFINITION ON THIS SHEET
	PROPERTY LINE
	FIRE HYDRANT AND 75' RADIUS CIRCLE
	LOCATION OF ACCESSIBLE EXTERIOR EXIT DOORS, ENTRANCES, AND EGRESS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122276 INC:
REVIEWED FOR:
SS ☒ FLS ☒ ACS ☒
DATE: 03/18/2024



STUDIO W
ARCHITECTS

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1930 H Street
Sacramento, California 95811
[T] 916.254.5600
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ARCHITECT	ENGINEER
	

GENERAL NOTES

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NO.	REMARKS	DATE

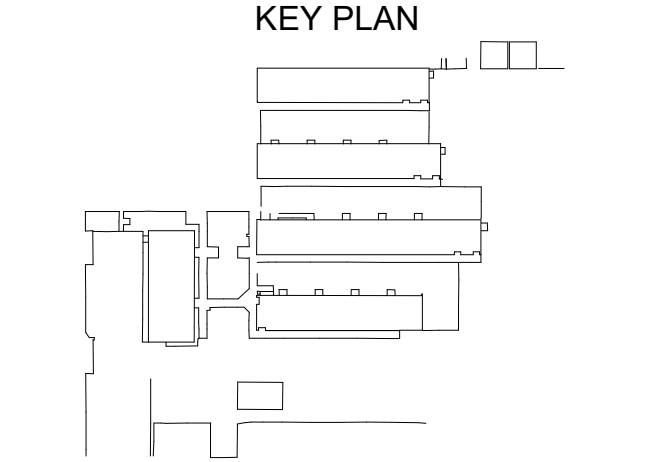
REVISION HISTORY

DRAWING STATUS

☐ DSA PLAN CHECK
☐ DSA BACK CHECK
☐ BIDDING
☐ CONSTRUCTION

DATE

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

DESIGN DEVELOPEMENT

YOLO EDUCATION
CENTER
ESSR III
919 WESTACRE ROAD, WEST
SACRAMENTO, CA 95691

CODE ANALYSIS SITE
PLAN

Date 03/07/2024	Project Number 22048
Application Number 02-122276	Drawing Number
Drawn Author	Checked Checker

A0.5

CIVIL ABBREVIATIONS AND LEGEND

ABBREVIATIONS

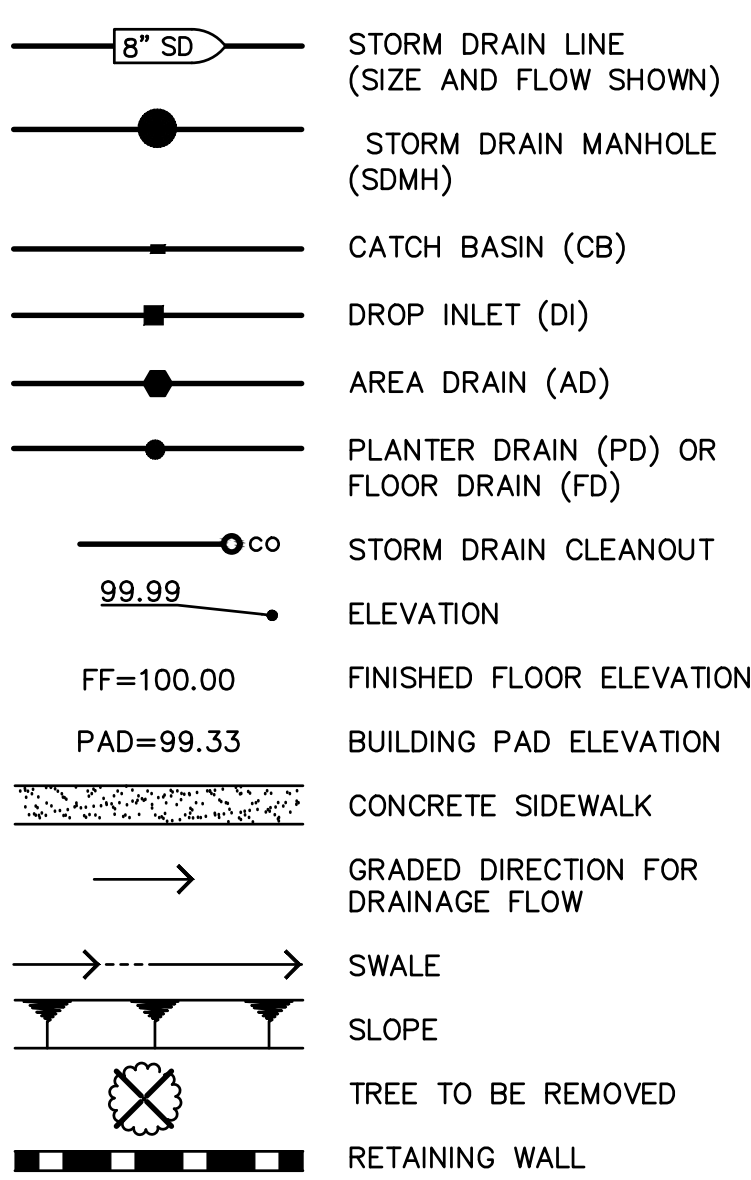
NOTE: NOT ALL ABBREVIATIONS
MAY BE USED ON THESE PLANS.

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
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
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
GR GRATE ELEVATION
GRD GRADE ELEVATION
GV GATE VALVE
HBD HEADER BOARD
HDPE HIGH DENSITY POLYETHYLENE PIPE
HP HIGH POINT
INV PIPE INVERT ELEVATION
JUT JOINT UTILITY POLE
LF LINEAL FEET
LIP LIP OF GUTTER
LT LEFT
MS MOWSTRIP
NTS NOT TO SCALE
OH OVERHEAD
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
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 RAMP ELEVATION
TRW TOP OF RETAINING WALL
TSW TOP OF SEAT WALL
TW TOP OF WALK ELEVATION
U UTILITY
UG UNDERGROUND
UCN UNLESS OTHERWISE NOTED
VCP VITRIFIED CLAY PIPE
W WATER
W/ WITH
W/O WITHOUT
WV WATER VALVE

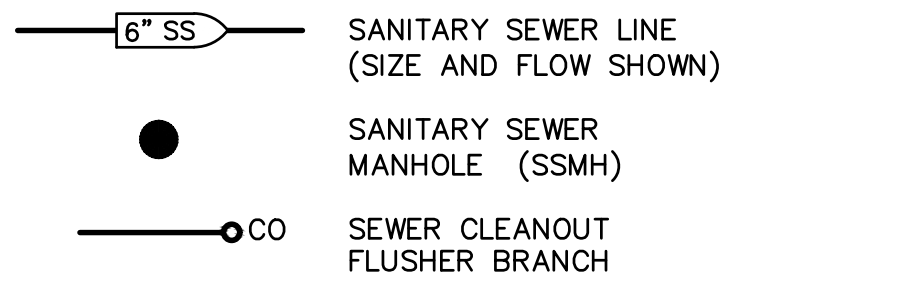
LEGEND

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

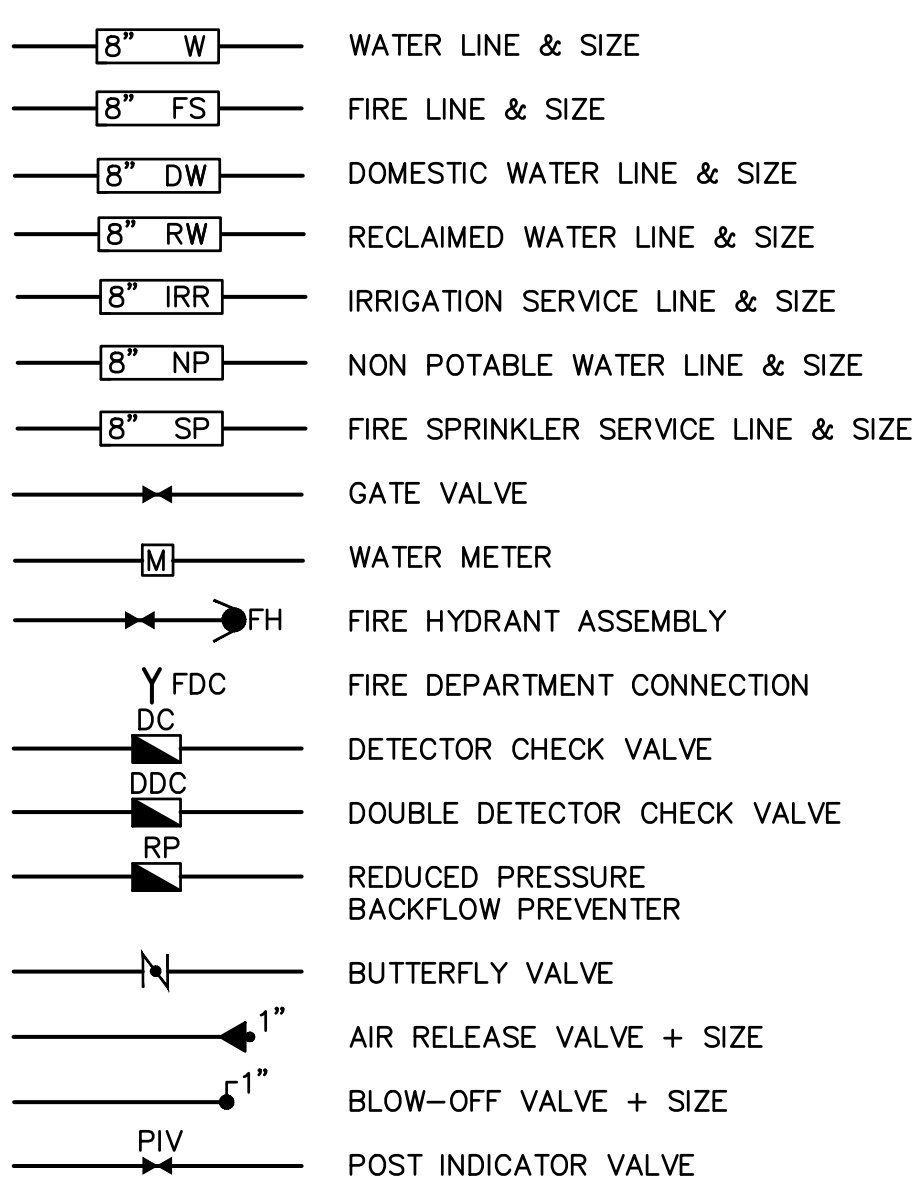
PROPOSED GRADING & DRAINAGE SYMBOLS:



PROPOSED SANITARY SEWER SYMBOLS:



PROPOSED WATER SYMBOLS:



DEMOLITION GENERAL NOTES

- REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
- 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.
- ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- 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.
- EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
- 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.
- 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.
- 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.
- COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.

GENERAL NOTES

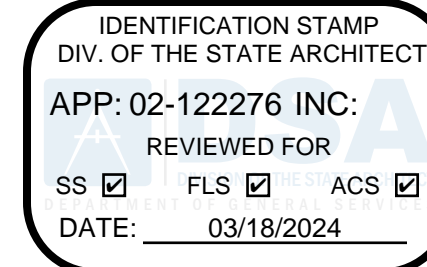
- THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A 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 1-800-227-2660, OR 811.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS. CONTOURS OR GRASS SHOWN ON GRADING OR OTHER PLANS, NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.
- ALL TRANSITIONS TO EXISTING PAVEMENT SHAL BE A SMOOTH AND LEVEL TRANSITION.
- WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
- SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
- 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.
- FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
- PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES 0.0% MAX. DEFINED BY SPOT ELEVATIONS.
- WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.8% IN ANY DIRECTION.
- TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY CURB OR STEP.
- TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE.
- THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1%.



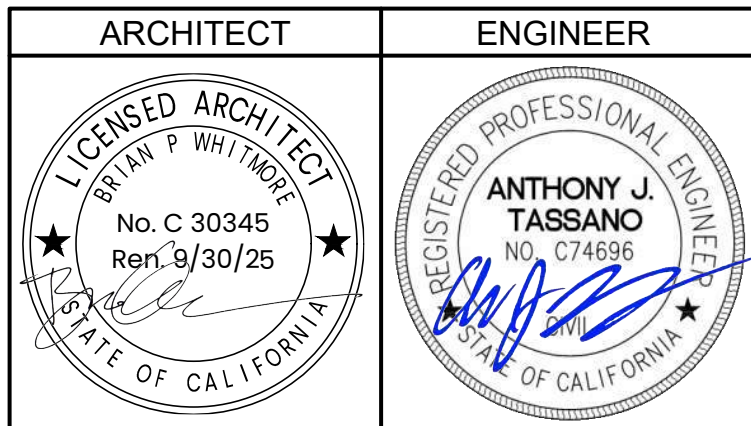
CIVIL SHEET INDEX

- C0.0 CIVIL GENERAL NOTES AND ABBREVIATIONS
C0.1 TOPOGRAPHIC SURVEY
C0.2 UTILITY SURVEY
C1.1 DEMOLITION PLAN
C1.2 DEMOLITION PLAN
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C4.1 PAVING AND STRIPING PLAN
C4.2 PAVING AND STRIPING PLAN
C5.1 DETAILS AND SECTIONS

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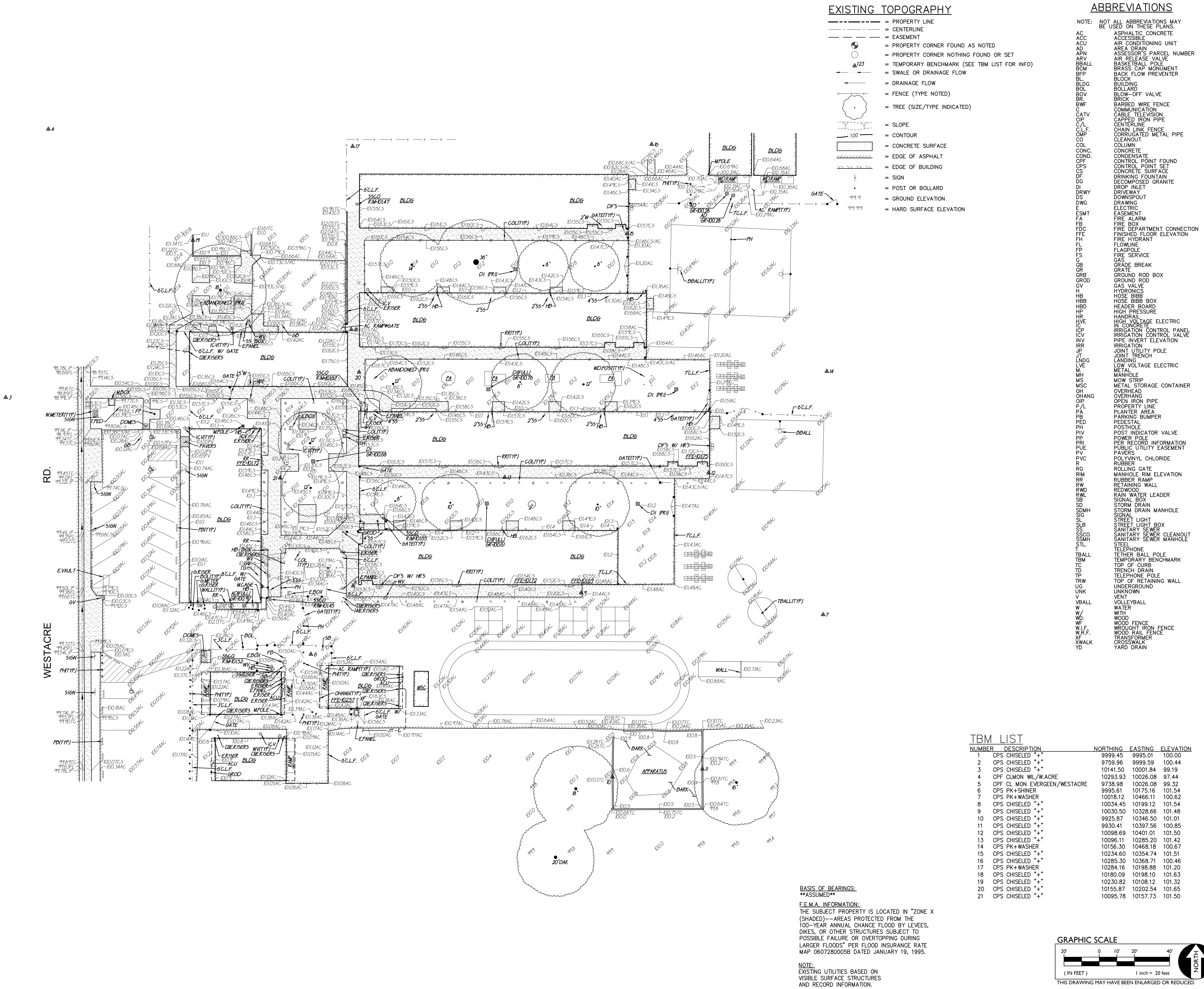
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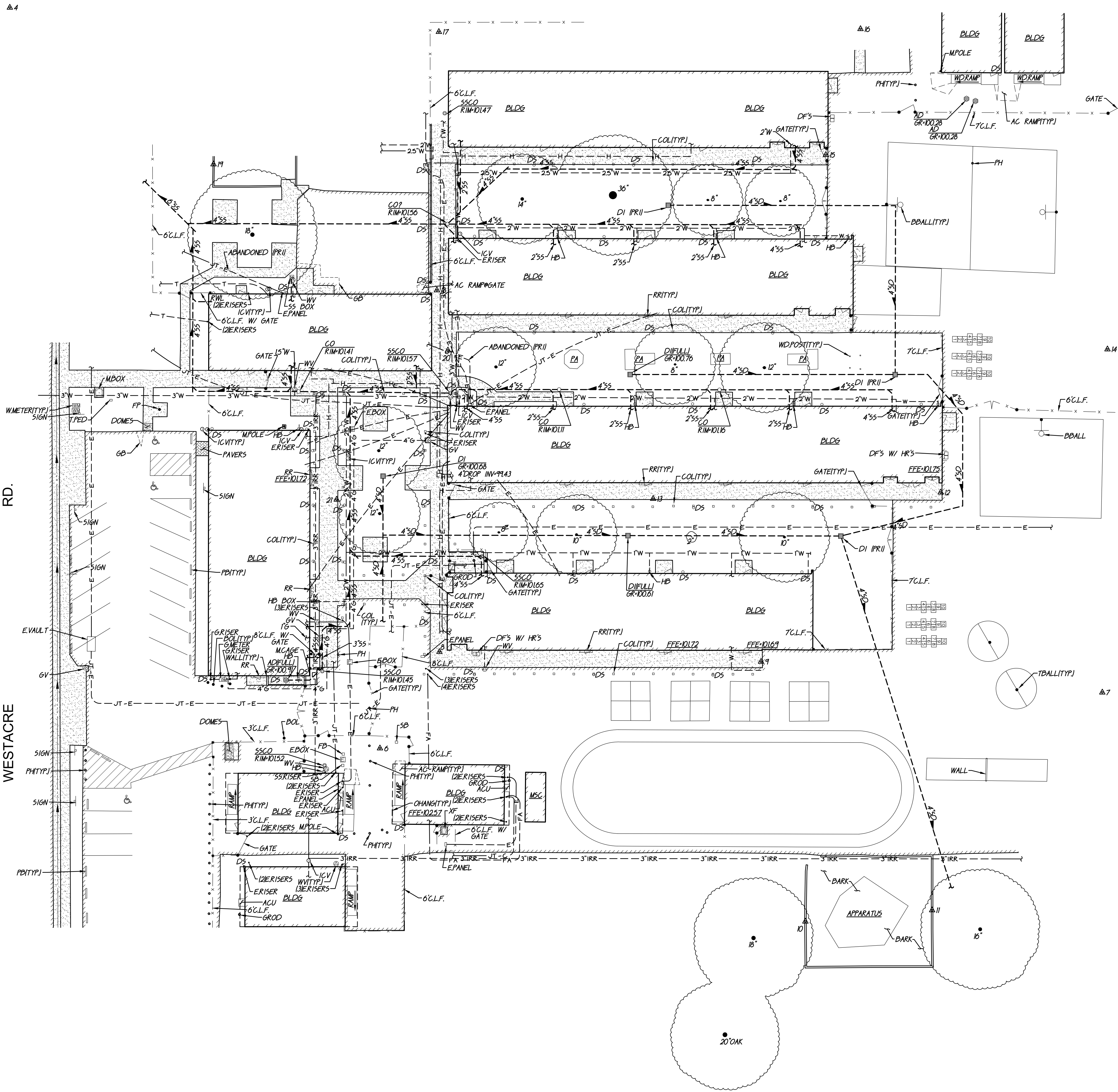
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CIVIL GENERAL
NOTES AND
ABBREVIATIONS

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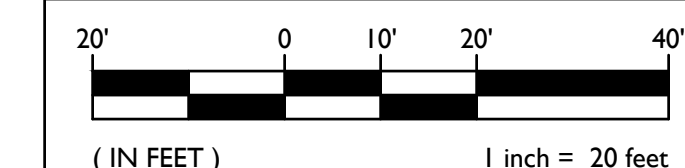




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UTILITY SURVEY

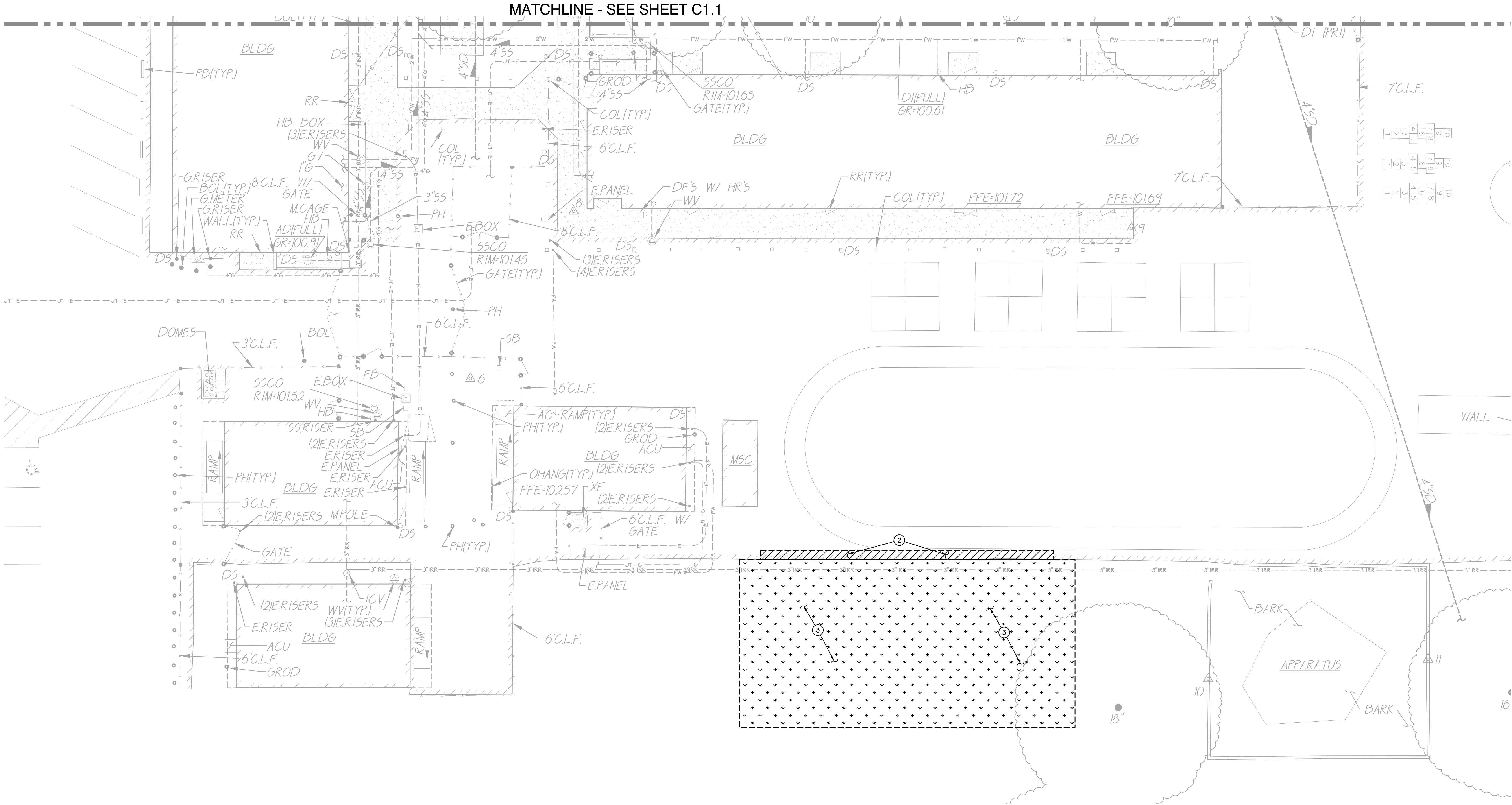
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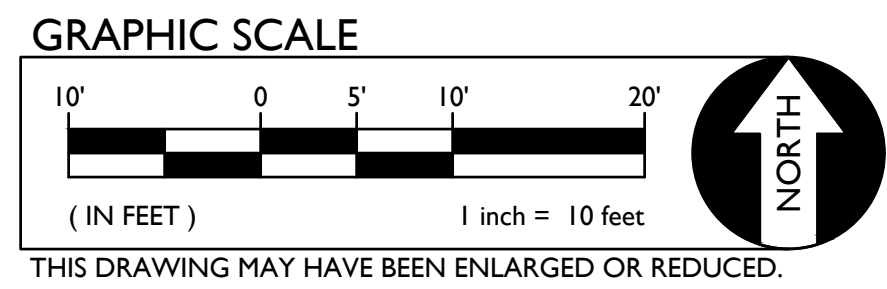


- ### GRAPHIC SCALE





- DEMOLITION NOTES**
- SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING TO NEAREST JOINT AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
 - 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.
 - REMOVE AND DISPOSE OF EXISTING LANDSCAPING, TURF AND ASSOCIATED IRRIGATION PIPING/SPRINKLERS WITHIN AREAS OF WORK. CUT AND CAP ANY MAINLINES NEAR WHERE THEY ENTER THE BOUNDARY OF THE PROJECT. MARK ALL CAPPED LINES WITH AN IRRIGATION VALVE BOX. ALL EXISTING IRRIGATION AREAS OUTSIDE THE PROJECT WORK AREA SHALL BE PRESERVED AND OPERATIONAL. INTEGRITY SHALL BE MAINTAINED WITH PROPER SPRINKLER COVERAGE TO TURF AREAS TO REMAIN.



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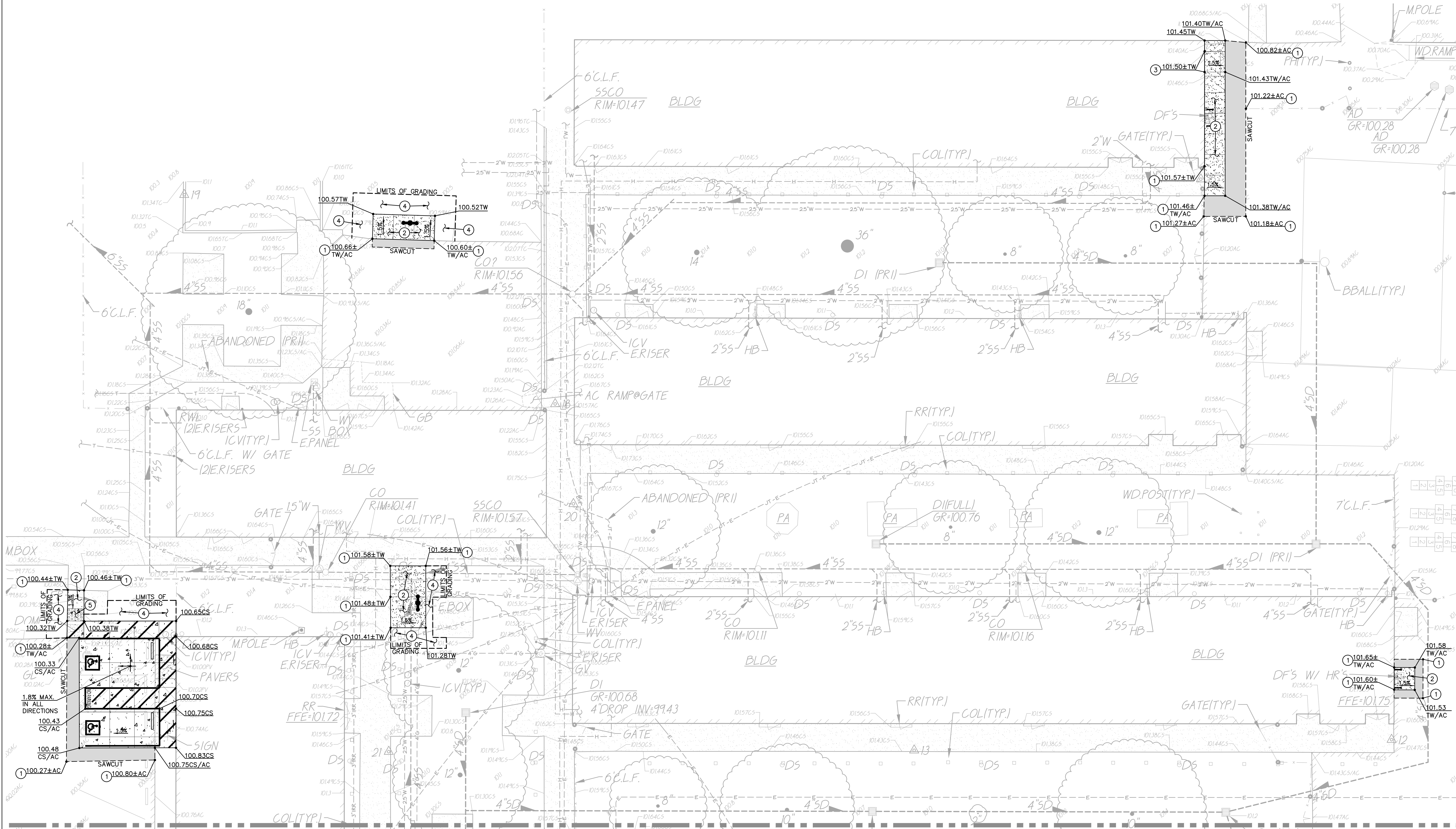
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DEMOLITION PLAN

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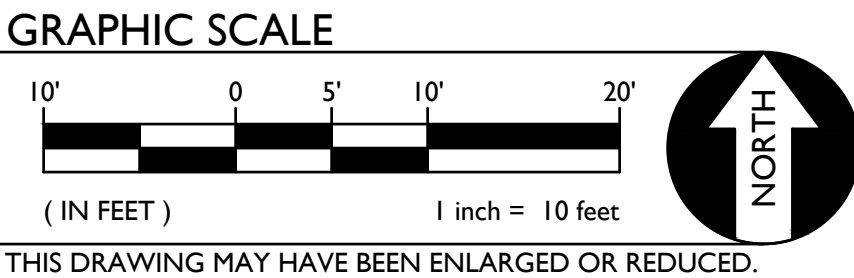
MATCHLINE - SEE SHEET C2.2

SUBGRADE PREPARATION

1. FOLLOWING SITE DEMOLITION ACTIVITIES:

EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 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.

- GRADING AND PAVING NOTES**
- MATCH EXISTING GRADE/ELEVATION.
 - CONSTRUCT CONCRETE FLATWORK PER 1
CS.1
 - PROPOSED SIDEWALK ELEVATION SHALL NOT BE MORE THAN 1/4" BELOW EXISTING FINISH FLOOR ELEVATION.
 - PLACE SOD IN ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES THAT ARE NOT TO RECEIVE PAVEMENT. PROVIDE NEW SPRINKLER HEADS AND PIPING AS REQUIRED TO ACHIEVE PROPER COVERAGE. PROVIDE BARK/MULCH IN AREAS WHERE EXIST.
 - PLACE TRUNCATED DOMES PER 2
CS.1



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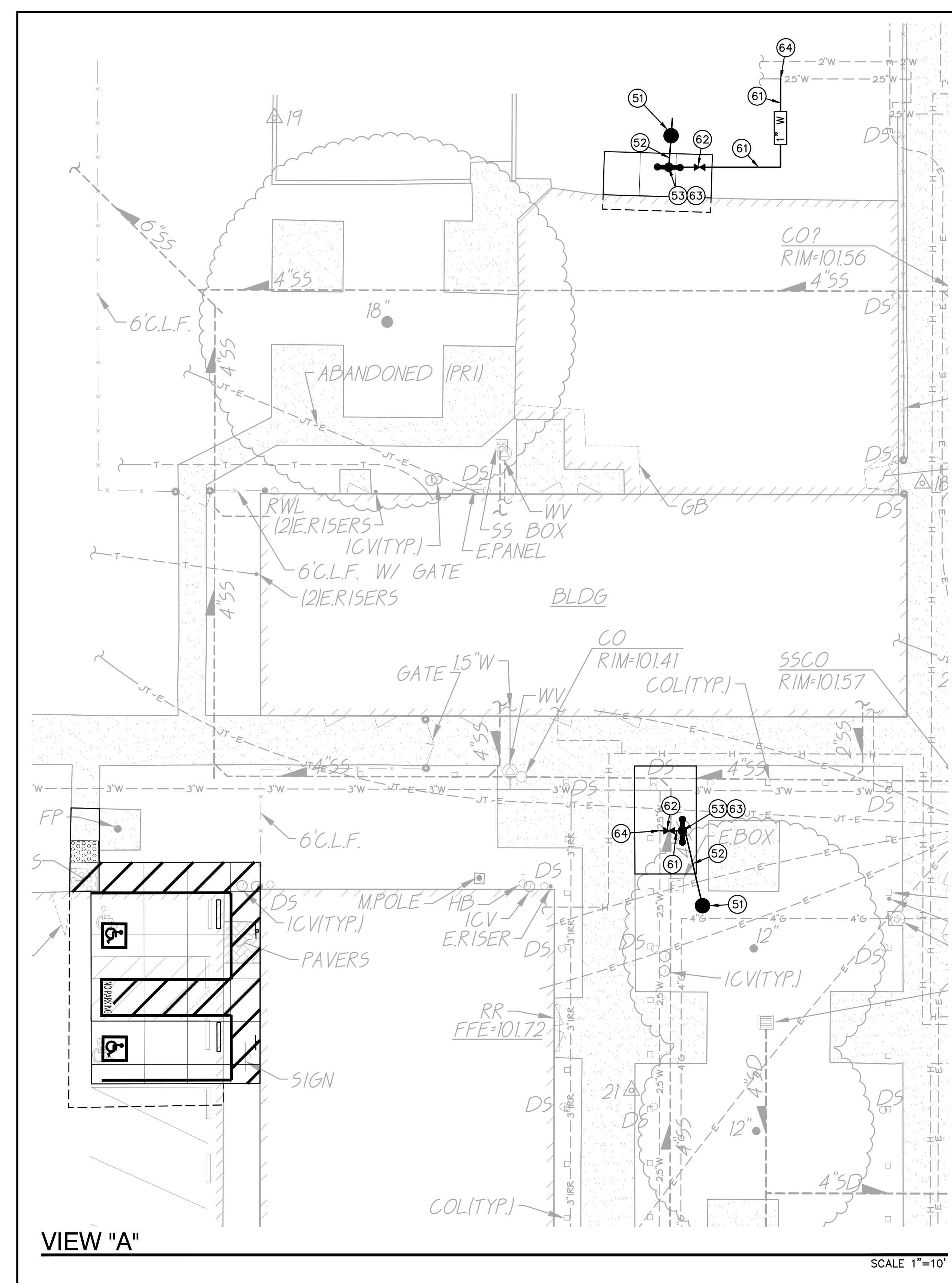
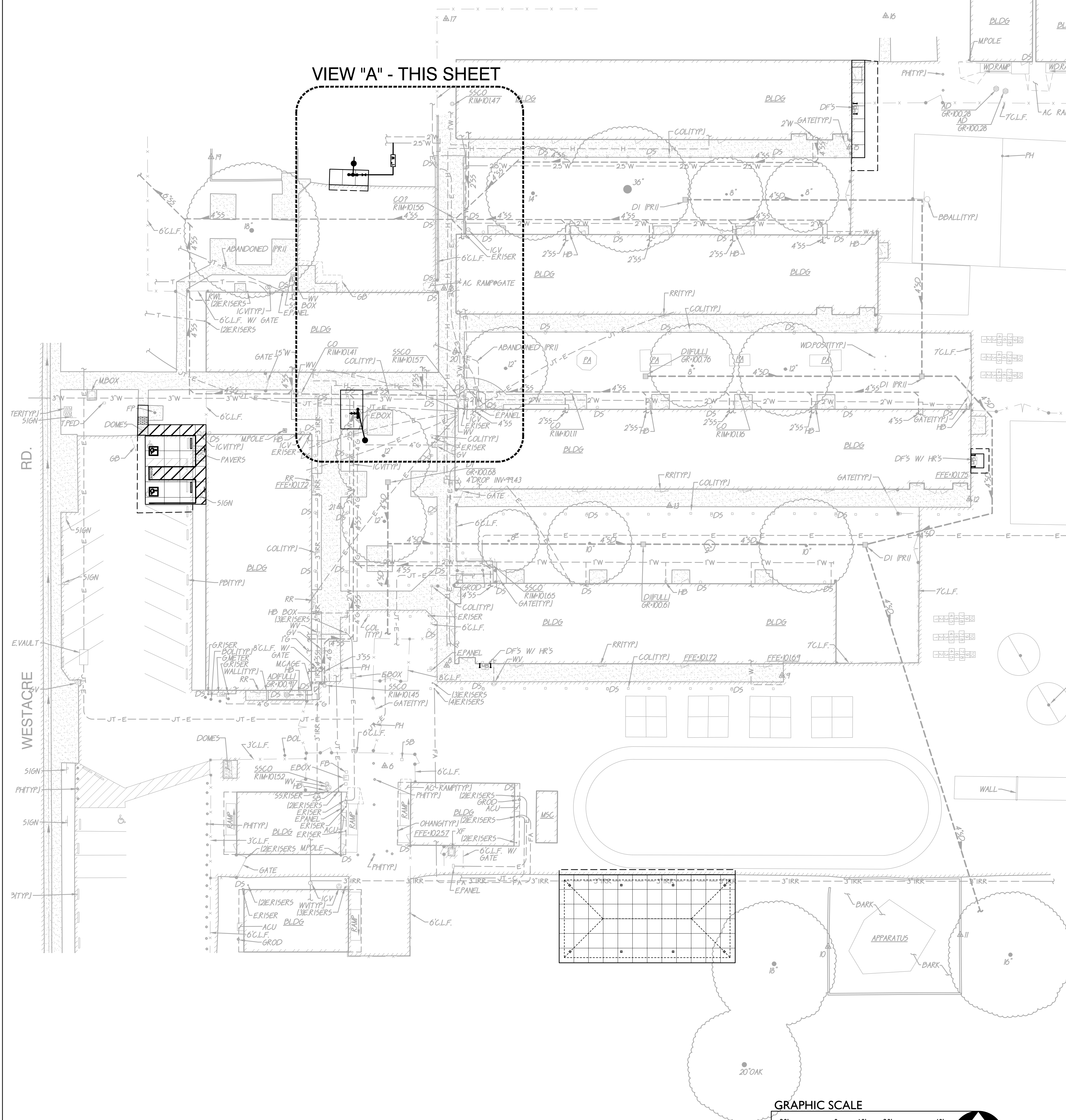
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GRADING PLAN

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GENERAL NOTE: TURF DAMAGED BY TRENCHING ACTIVITIES SHALL BE REPLACED WITH SOD. IRRIGATION DAMAGED BY TRENCHING ACTIVITIES SHALL BE REPAIRED TO BE FULLY FUNCTIONAL.

SEWER NOTES

- CONSTRUCT DRYWELL AT DRINKING FOUNTAIN PER
- PLACE 2" SEWER FROM FOUNTAIN TO DRYWELL.
- CONNECT TO DRINKING FOUNTAIN SEWER SERVICE. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

WATER NOTES

- PLACE 1" WATER, SCH 80 PVC PER
- PLACE BRONZE GATE VALVE AND VALVE BOX. SIZE TO MATCH LINE SIZE.
- CONNECT TO DRINKING FOUNTAIN DOMESTIC WATER SUPPLY. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
- CONNECT TO EXISTING DOMESTIC WATER LINE. FIELD VERIFY EXACT DEPTH AND LOCATION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

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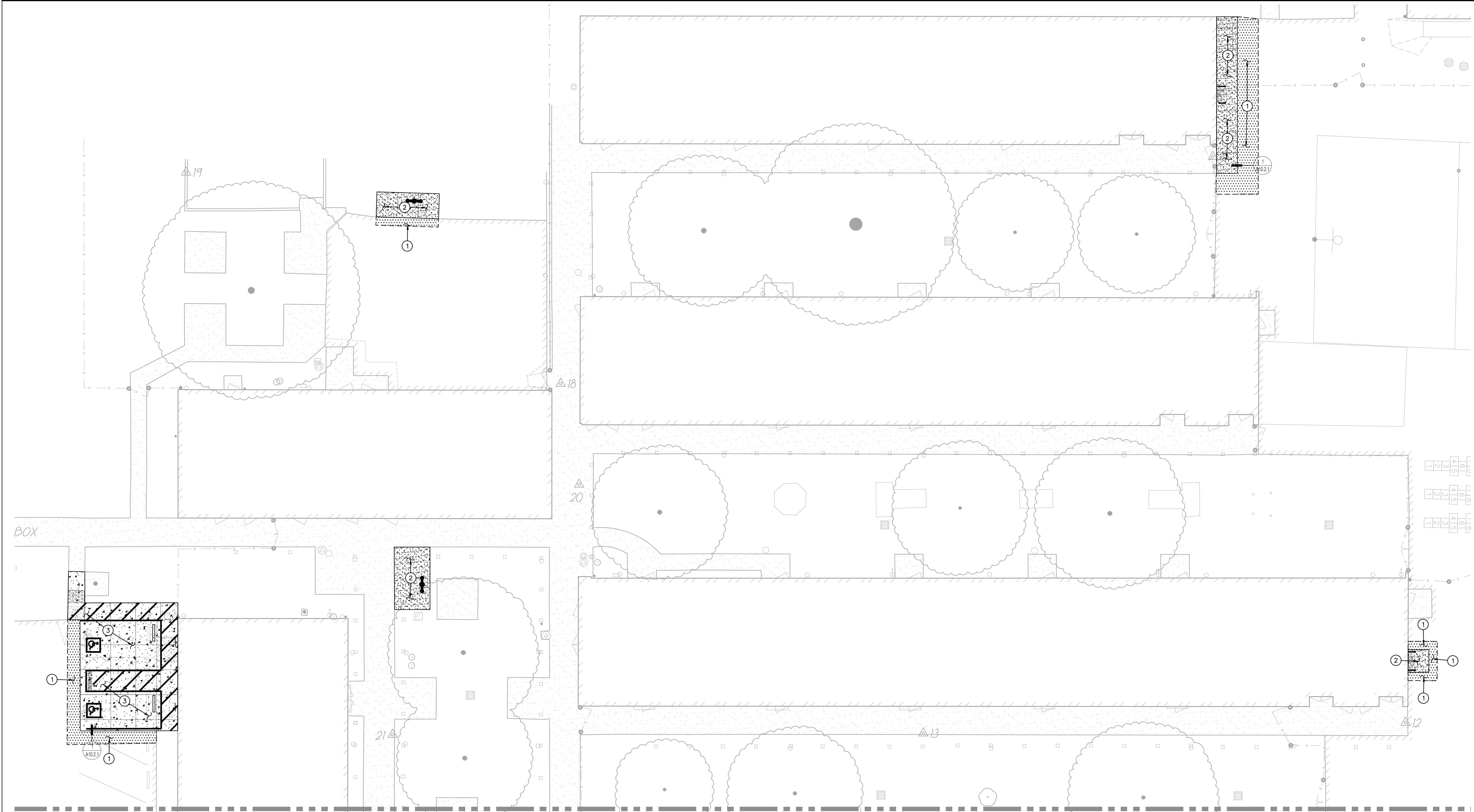
CONSTRUCTION DOCUMENTS

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CENTER
ESSR III
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SACRAMENTO, CA 95691

UTILITY PLAN

Date
11/20/2023
Application Number
.
Drawn
AT

Project Number
22048
Drawing Number
C3.1



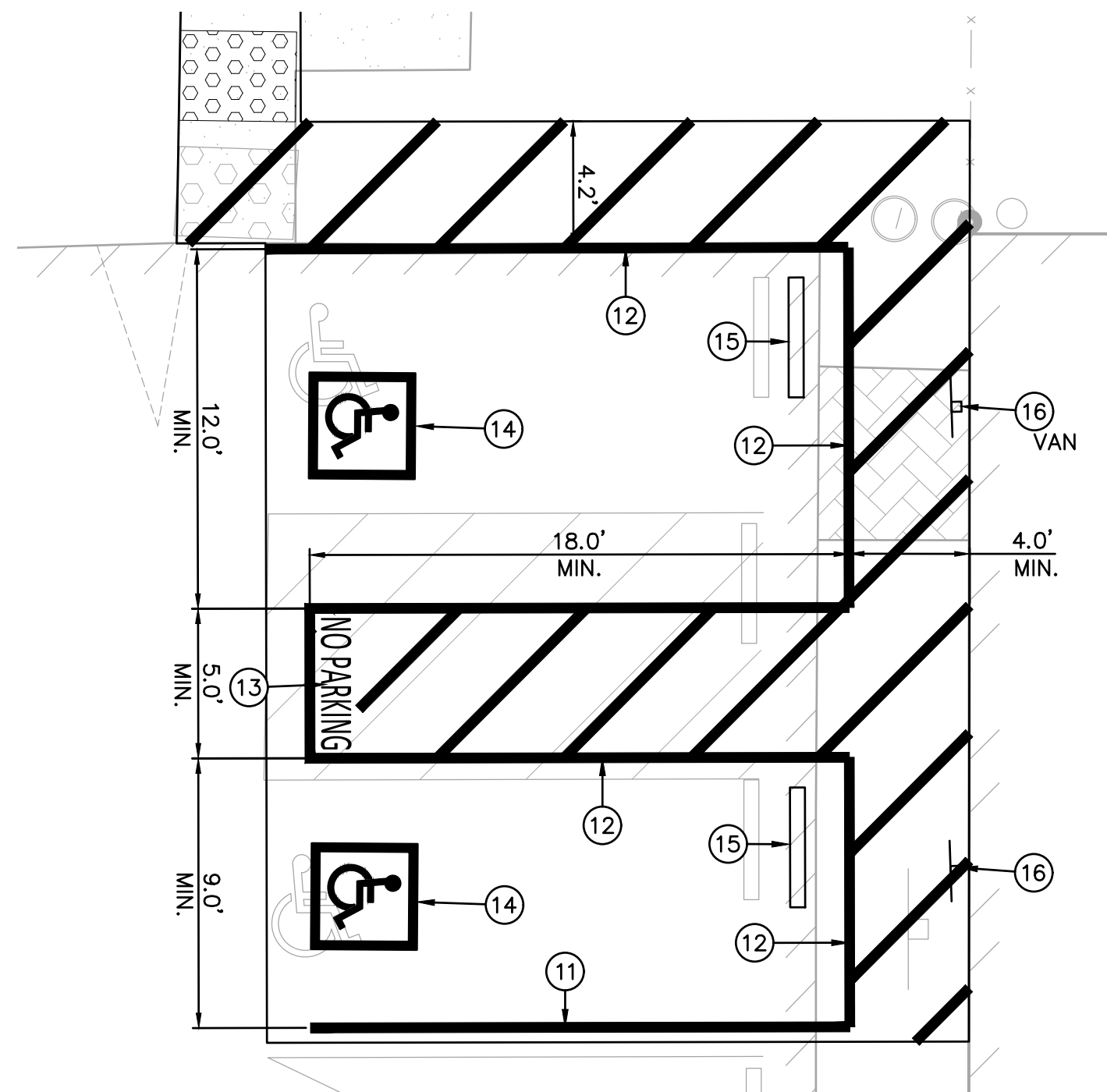
MATCHLINE - SEE SHEET C4.2

PAVING GENERAL NOTES:

- AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE.
- ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
- RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CALTRANS SPECIFICATIONS FOR CLASS II AB.
- PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION SHALL BE PERFORMED AFTER:
A. POT HOLING ALL EXISTING UTILITIES.
B. THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
- ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE RESTORED.
- REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
- ADJUST TO FINISH GRADE ALL BOXES, FRAMES, COVERS SLEEVES, POST HOLES, GRATES, ETC. FOUND IN NEW ASPHALT OR CONCRETE PAVING AREAS, WHICH ARE NOT NOTED FOR REMOVAL. REPLACE PER PLAN.

PAVING LEGEND

- 1 TYPE 1 PAVING**
PLACE 3" AC OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER SPECIFICATIONS.
- 2 TYPE 2 PAVING**
PLACE 5" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER SPECIFICATIONS.
- 3 TYPE 3 PAVING**
PLACE 6" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER SPECIFICATIONS.

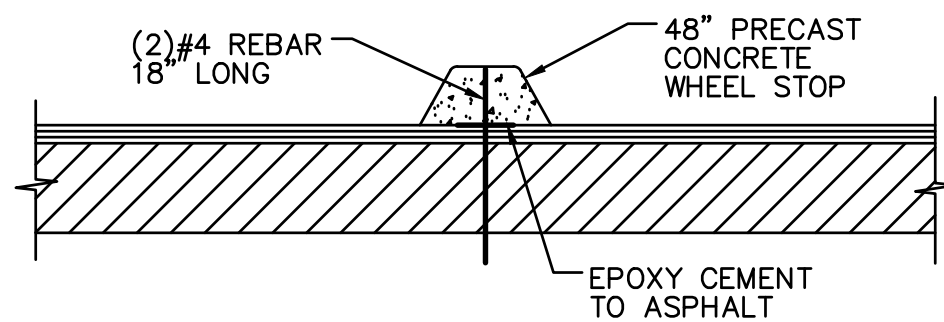


ACCESSIBLE PARKING

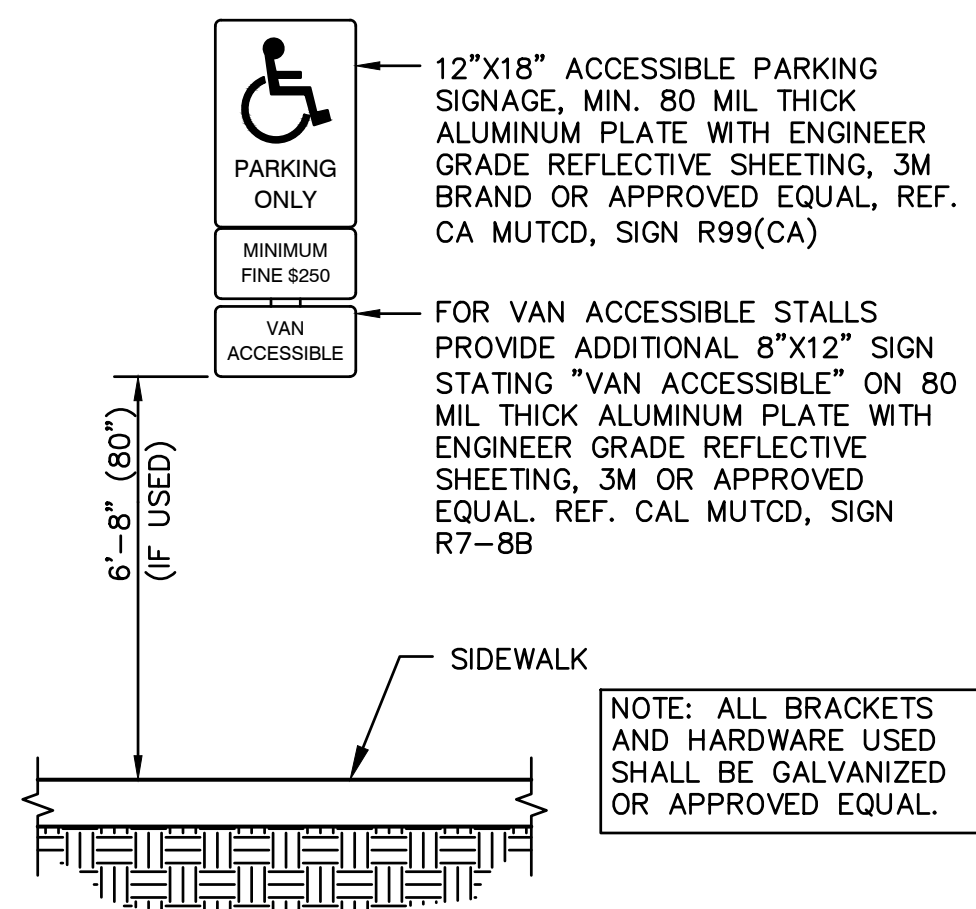
SCALE 1"=5'

STRIPING SIGNAGE NOTES

- PAINT 4" WIDE BLUE STRIPING IN LAYOUT AND PER THE DIMENSIONS SHOWN.
- PAINT 4" WIDE BLUE STRIPING AROUND PERIMETER OF ACCESSIBLE LOADING AREA WITH BLUE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30" FROM PERPENDICULAR WITH PERIMETER STRIPING.
- PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING."
- PAINT INTERNATIONAL SYMBOL FOR ACCESSIBILITY PARKING STALL SYMBOL IN ACCORDANCE WITH THE DIMENSIONS AND COLORING SHOWN IN THE PROVIDED DETAIL.
- PLACE 48" LONG CONCRETE WHEEL STOP PER THE DETAIL PROVIDED.
- INSTALL ACCESSIBLE PARKING SIGN PER THE DETAIL PROVIDED. WHERE SHOWN ON PLAN AS "VAN" ACCESSIBLE STALL, PROVIDE EXTRA "VAN ACCESSIBLE" SIGN AS SHOWN IN DETAIL. MOUNT AT HEIGHT PER DETAIL WITH APPROPRIATE STAINLESS SCREWS.



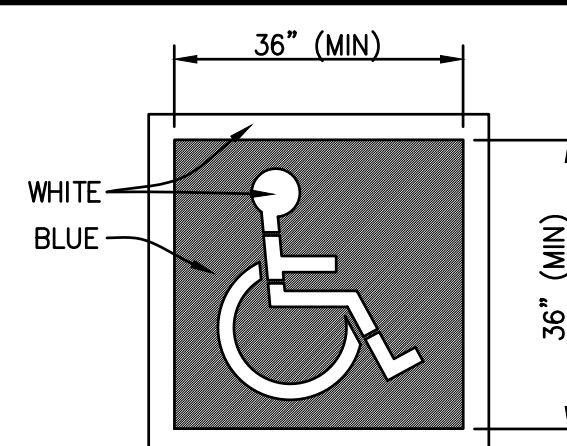
1 CONCRETE WHEEL STOP
C4.1 NO SCALE



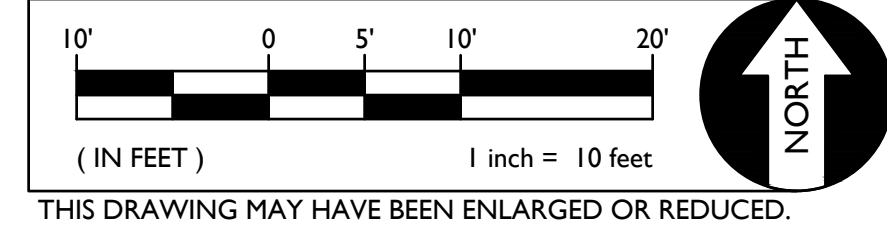
2 ACCESSIBLE SIGNAGE
MOUNTED ON BUILDING WALL
C4.1 ACCESSIBLE STALLS (CALIFORNIA ONLY) NO SCALE

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

3 ACCESSIBLE STRIPING
C4.1 NO SCALE

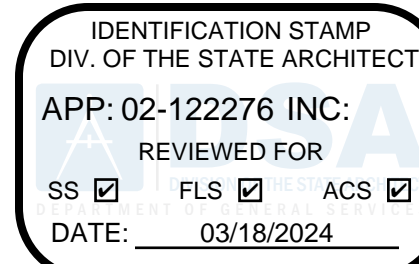


GRAPHIC SCALE

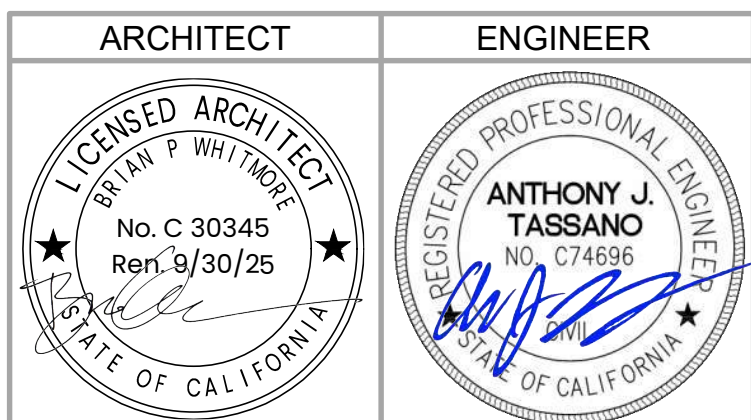


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REVISION HISTORY	DATE

DRAWING STATUS	DATE

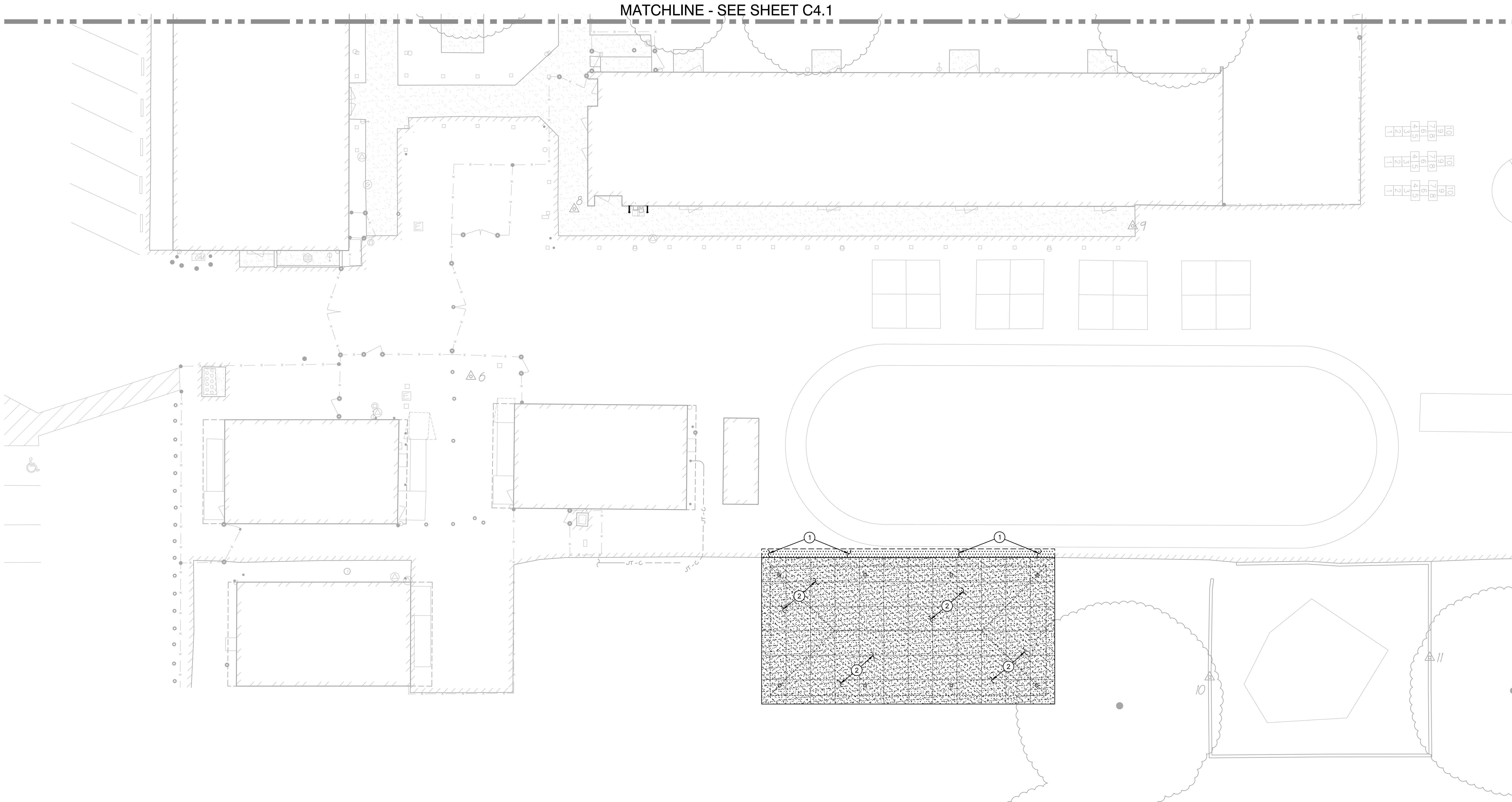
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SCHOOL DISTRICT
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CONSTRUCTION DOCUMENTS

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PAVING AND
STRIPING PLAN

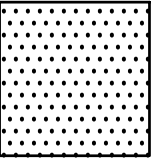
Date 11/20/2023	Project Number 22048
Application Number 	Drawing Number C4.1
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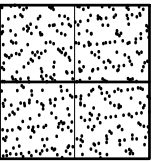
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PAVING LEGEND



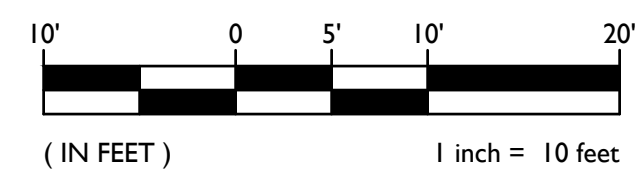
① TYPE 1 PAVING
PLACE 3" AC OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER SPECIFICATIONS.



② TYPE 2 PAVING
PLACE 5" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER SPECIFICATIONS.

①
C5.1

GRAPHIC SCALE



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REVISION HISTORY

DATE

DRAWING STATUS

☐ DSA PLAN CHECK

☐ DSA BACK CHECK

☐ BIDDING

☐ CONSTRUCTION

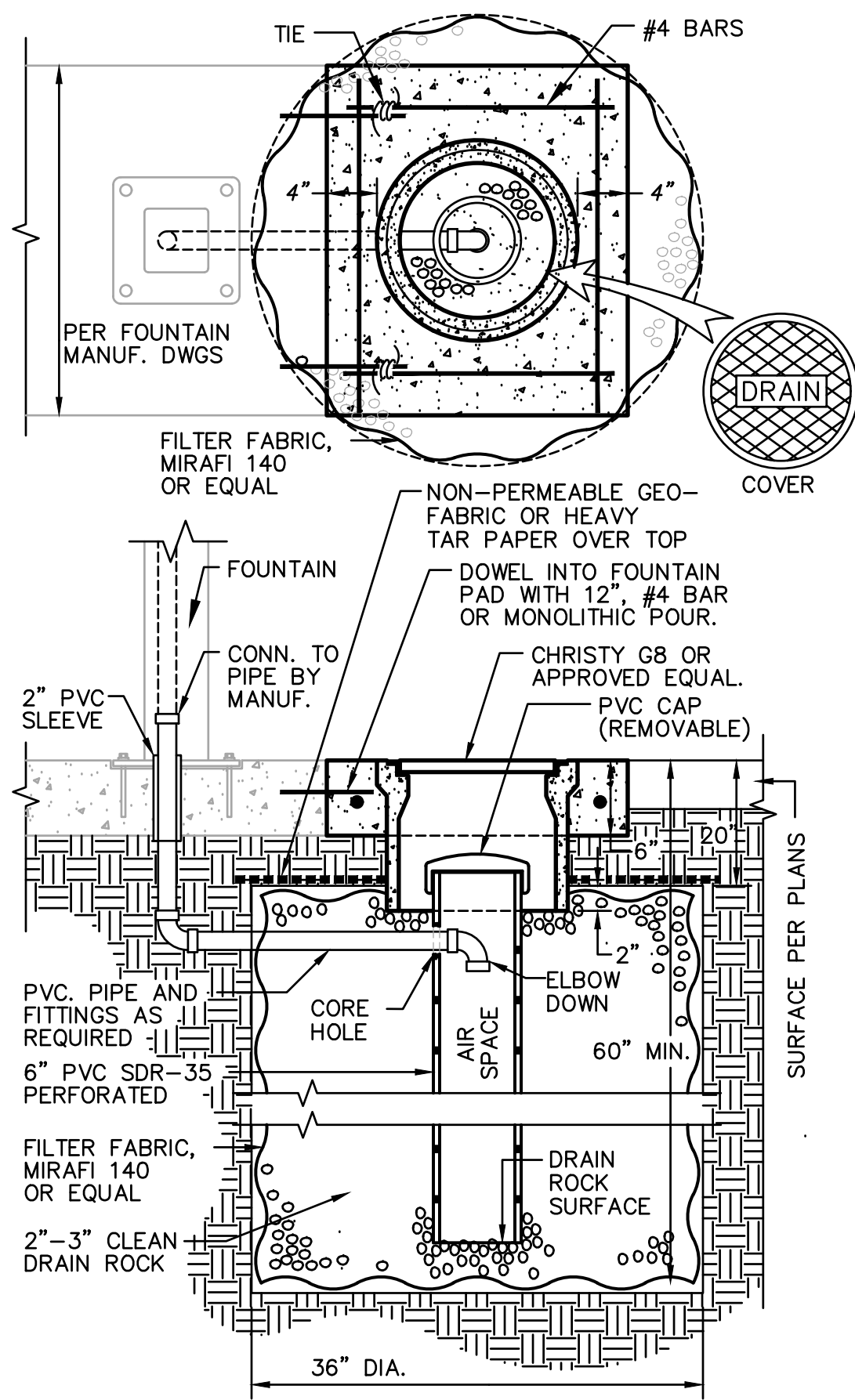
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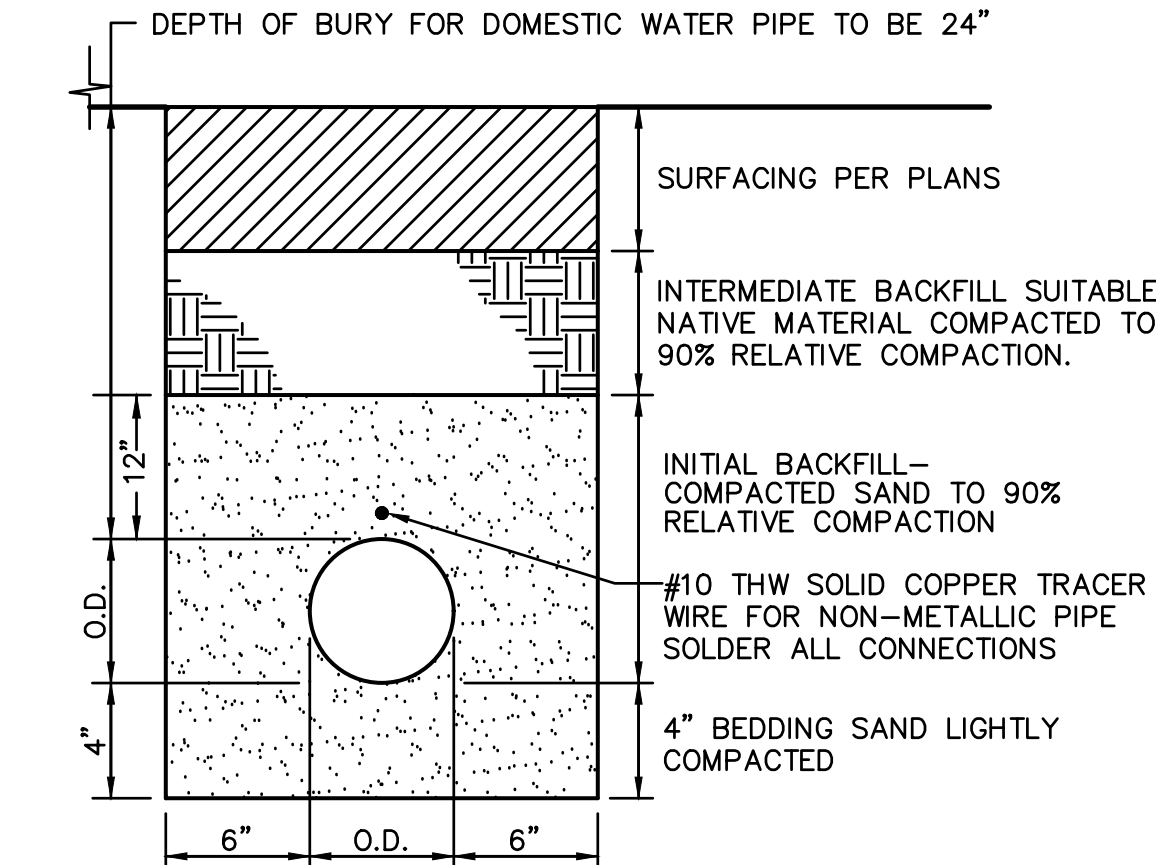
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SACRAMENTO, CA 95691

PAVING AND
STRIPING PLAN

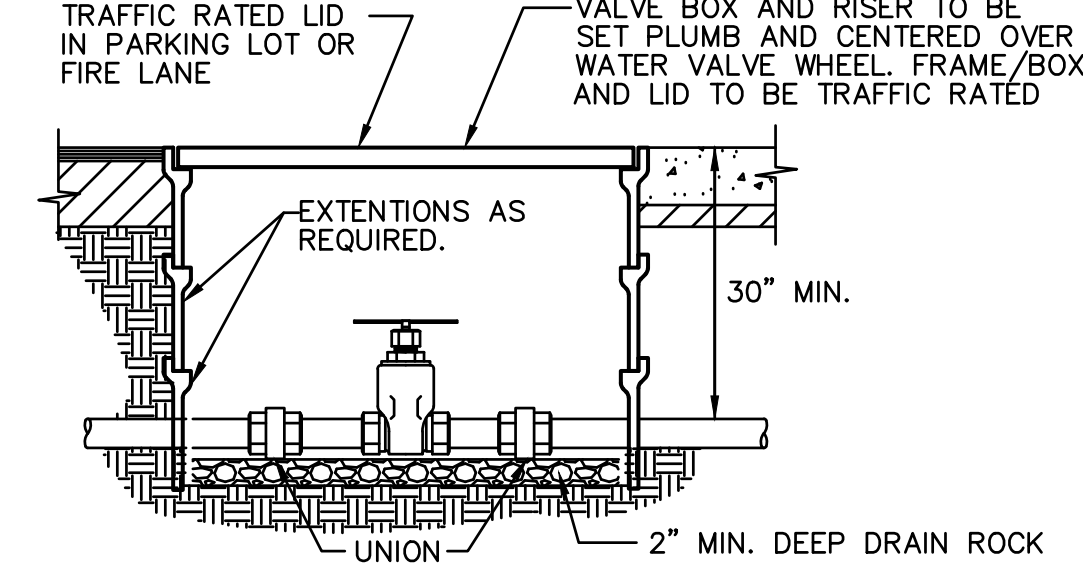
Date 11/20/2023	Project Number 22048
Application Number .	Drawing Number C4.2
Drawn AT	Checked AT



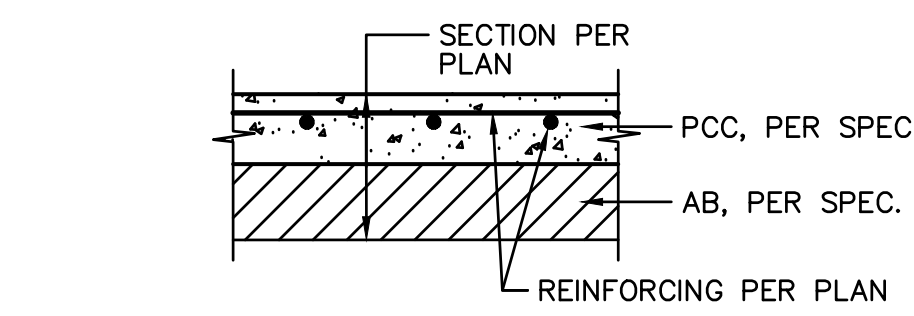
3 DRINKING FOUNTAIN DRYWELL
C5.1 FOR DRINKING FOUNTAIN ONLY NO SCALE



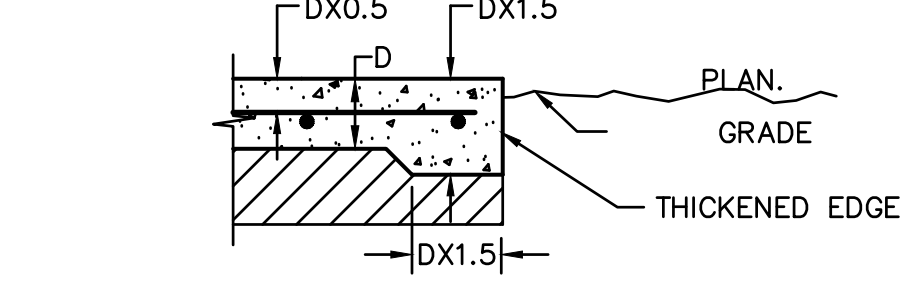
4 WATER TRENCH
C5.1 NO SCALE



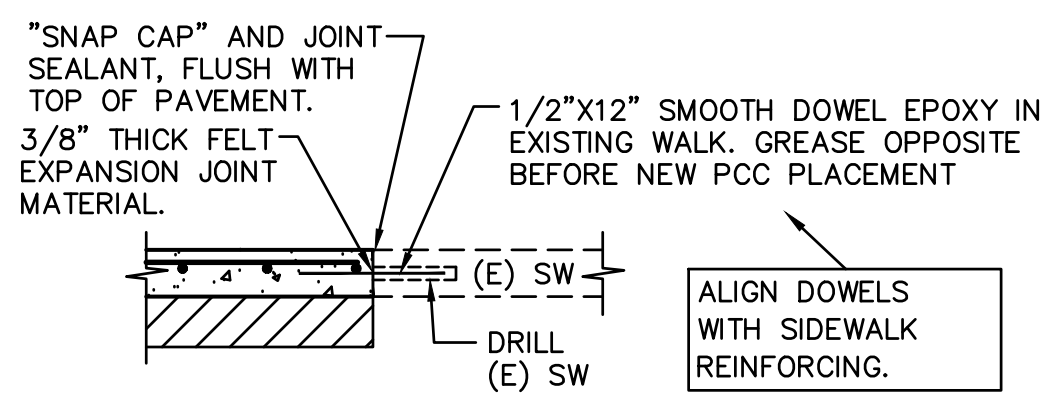
5 WATER VALVE
C5.1 1/2\"/>



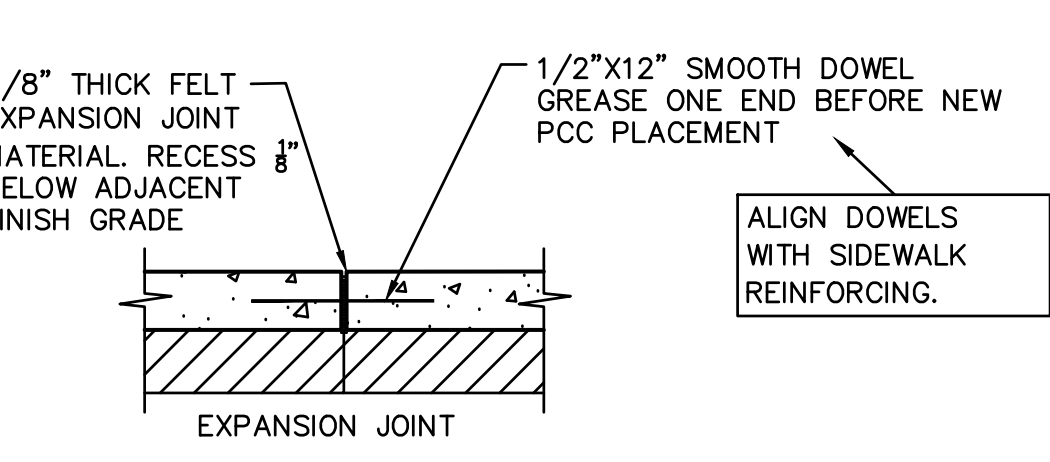
TYPICAL SECTION



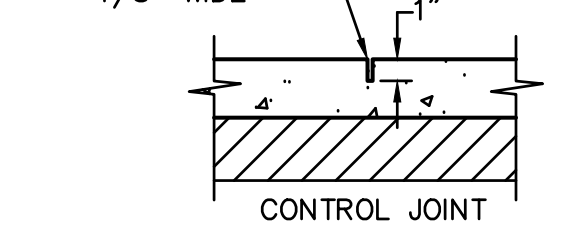
TYPICAL THICKENED EDGE



CONNECTION TO (E) CONCRETE

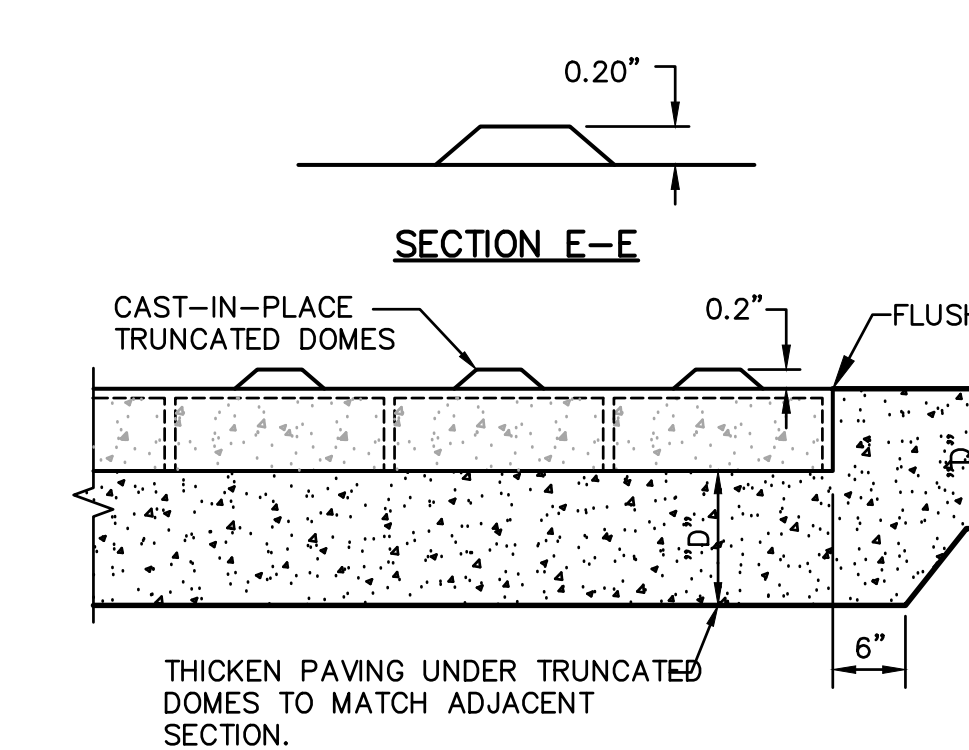
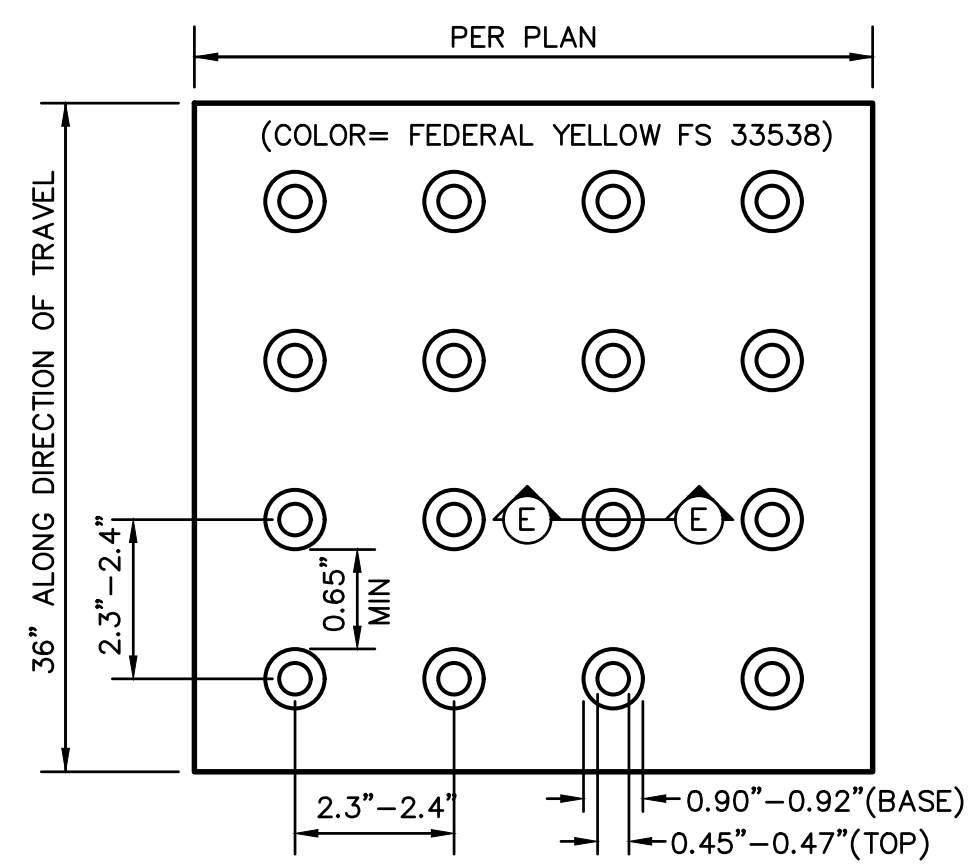


EXPANSION JOINT

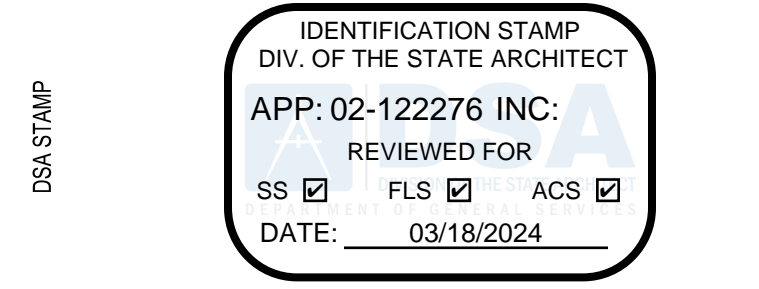


- NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX.. PROVIDE CONTROL JOINTS AT 8 FEET O.C. MAX.
 2. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

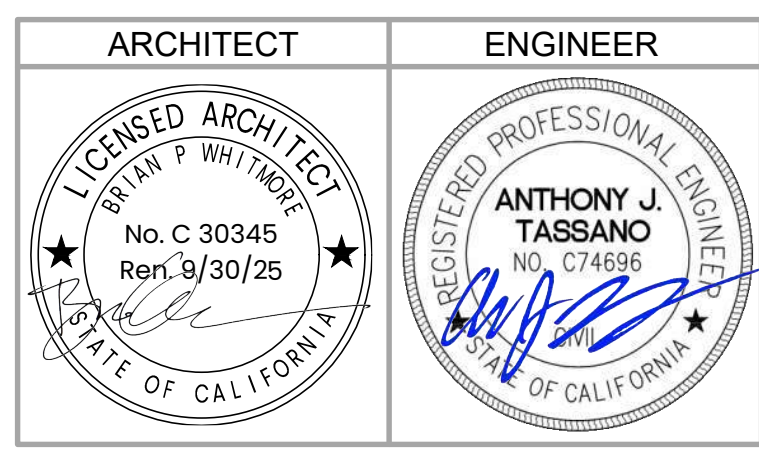
1 CONCRETE SIDEWALK
C5.1 NO SCALE



2 TRUNCATED DOMES
C5.1 NO SCALE



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NO.	REMARKS	DATE

NO.	REMARKS	DATE

NO.	REMARKS	DATE

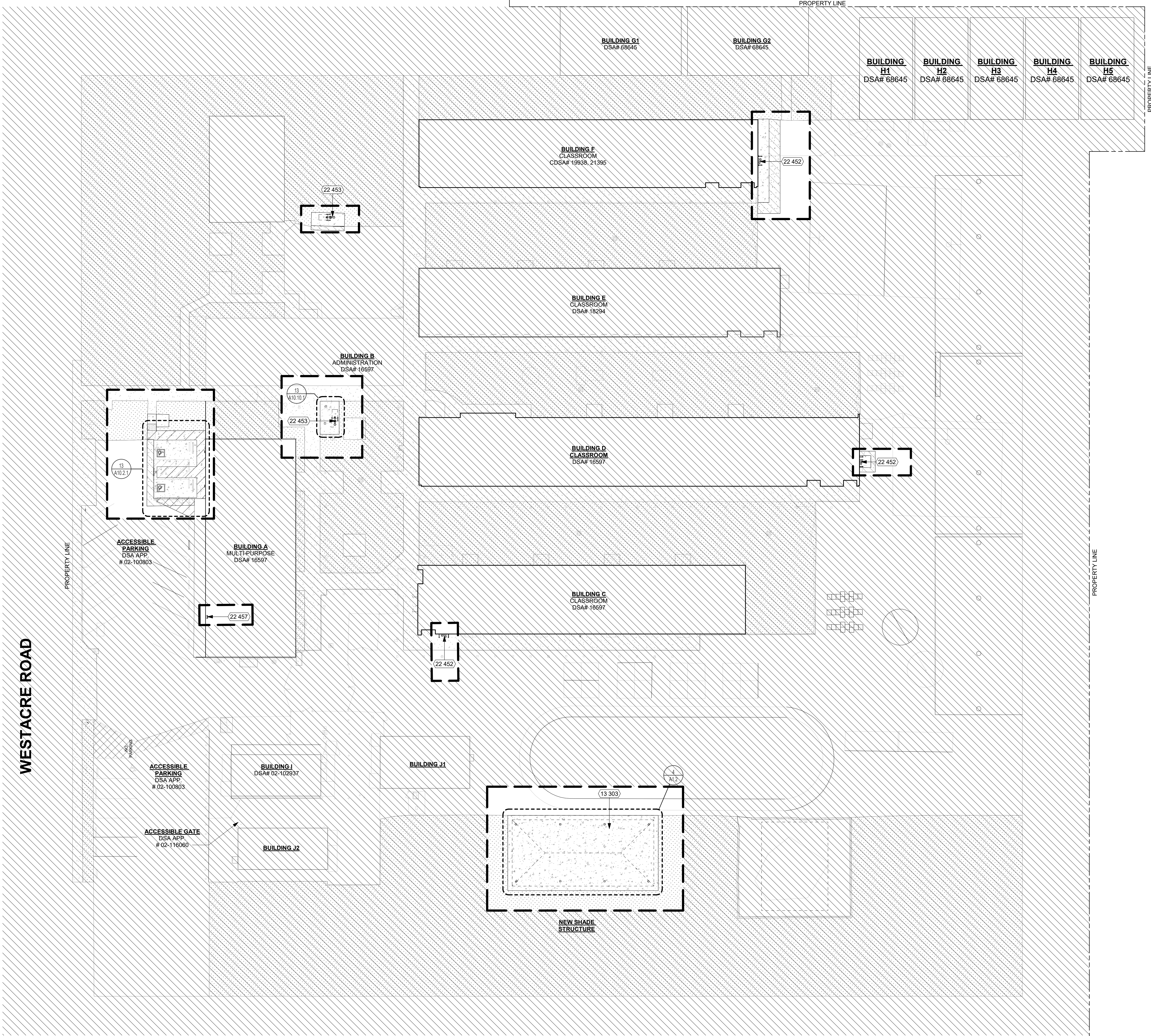
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CONSTRUCTION DOCUMENTS

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DETAILS AND SECTIONS

Date 11/20/2023	Project Number 22048
Application Number .	Drawing Number C5.1
Drawn AT	Checked AT



KEYNOTES

NUMBER	NOTE
13 303	NEW METAL SHADE STRUCTURE (SEE PC DRAWINGS)
22 452	H/LD EXTERIOR DRINKING FOUNTAIN WITH BOTTLE FILLER (SEE DETAIL 2/A10.10.1)
22 453	H/LD FREE STANDING DRINKING FOUNTAIN WITH BOTTLE FILLER (SEE DETAIL 4/A10.10.1)
22 457	BOTTLE FILLER (SEE DETAIL 5/A10.10.1)

GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR 6'-0" HIGH TEMPORARY CONSTRUCTION BARRIER WITH VISION SCREEN AT STAGING, STORAGE AND CONSTRUCTION AREA WITH SIGNAGE EVERY 20'-0" TO WARN STUDENTS OF CONSTRUCTION AREA.
- CONTRACTOR TO BRING IN OFFICE TRAILER TO CONSTRUCTION AREA.
- CONTRACTOR SHALL ACCESS THE SITE FROM WESTACRE ROAD. ANY DAMAGE TO FIRE LANE WILL BE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO REPAIR BACK TO EXISTING CONDITIONS ALL LAYDOWN AREAS AT THE END OF CONSTRUCTION. THIS INCLUDES LANDSCAPE AREAS AND ANY BROKEN SPRINKLERS, VALVE BOXES, CONCRETE, ASPHALT, ETC.
- CONTRACTOR SHALL REPLACE, RECONSTRUCT AND REPAIR ALL EXISTING WORK THAT IS IMPACTED, DAMAGED, OR DESTROYED AS A RESULT OF ANY CONTRACTOR WORK INCLUDING, BUT NOT LIMITED TO, HARDSCAPING, SIDEWALKS, IRRIGATION SYSTEMS, LANDSCAPING, LAWNS, STRUCTURES AND UTILITIES - ALL TO THE SATISFACTION OF THE DISTRICT.
- WHERE ASPHALT OR CONCRETE IS BEING REPAATCHED, CONTRACTOR SHALL PROVIDE EVEN AND STRAIGHT LINE CUTS WITH 2-FOOT STRAIGHT SLURRY SEAL SURFACE PATCH ON BOTH SIDES OF CUT.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
- GATES IN PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS WITH PROPER LEVER HARDWARE AND KICK PLATES.
- CONTRACTOR TO TAKE PHOTOS PRIOR TO REMOVAL.
- SALVAGE ALL DRINKING FOUNTAINS AND RETURN TO DISTRICT.
- CONTRACTOR SHALL RE-ROUTE AND REPAIR ANY IRRIGATION LINES AND HEADS IN THE WAY OF NEW WORK TO ENSURE A FULLY FUNCTIONING SYSTEM AT THE END OF CONSTRUCTION.

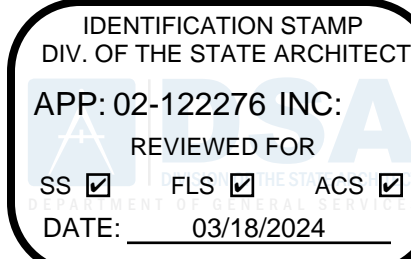
LEGEND

---	PROPERTY LINE
---	LIMIT OF WORK
///	NOT IN SCOPE
---	LINE OF ROOF, SKYLIGHT, OR SOFFIT OVERHEAD - SHOWN DASHED
+	FIRE HYDRANT
—(EW)—(EW)—	EXISTING WATER LINE
—W—W—W—	NEW WATER LINE

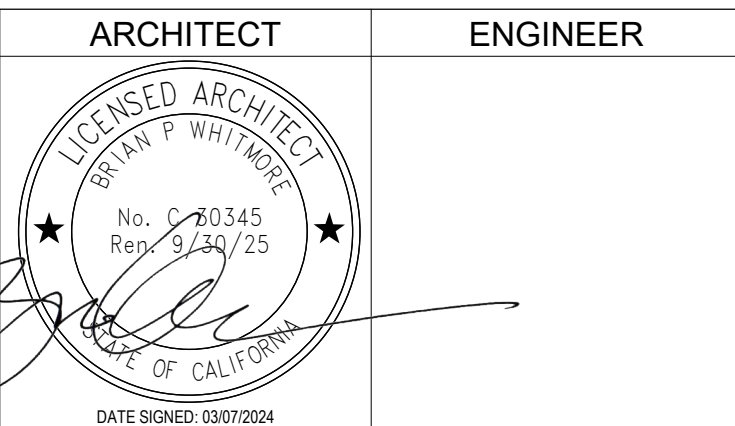
SITE PLAN

1" = 20'-0"

10



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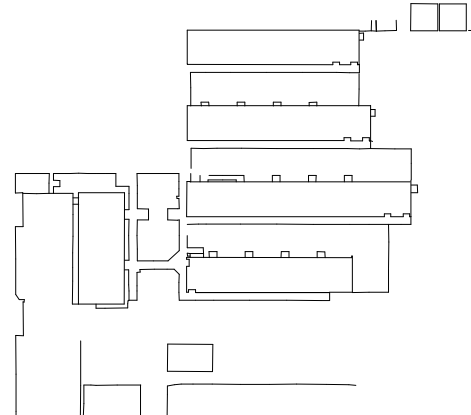


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NO.	REMARKS	DATE

DRAWING STATUS	DATE
<input type="radio"/> DSA PLAN CHECK	
<input type="radio"/> DSA BACK CHECK	
<input type="radio"/> BIDDING	
<input type="radio"/> CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
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DESIGN DEVELOPEMENT

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SITE PLAN OVERALL

Date

03/07/2024

Application Number

02-122276

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Author

Project Number

22048

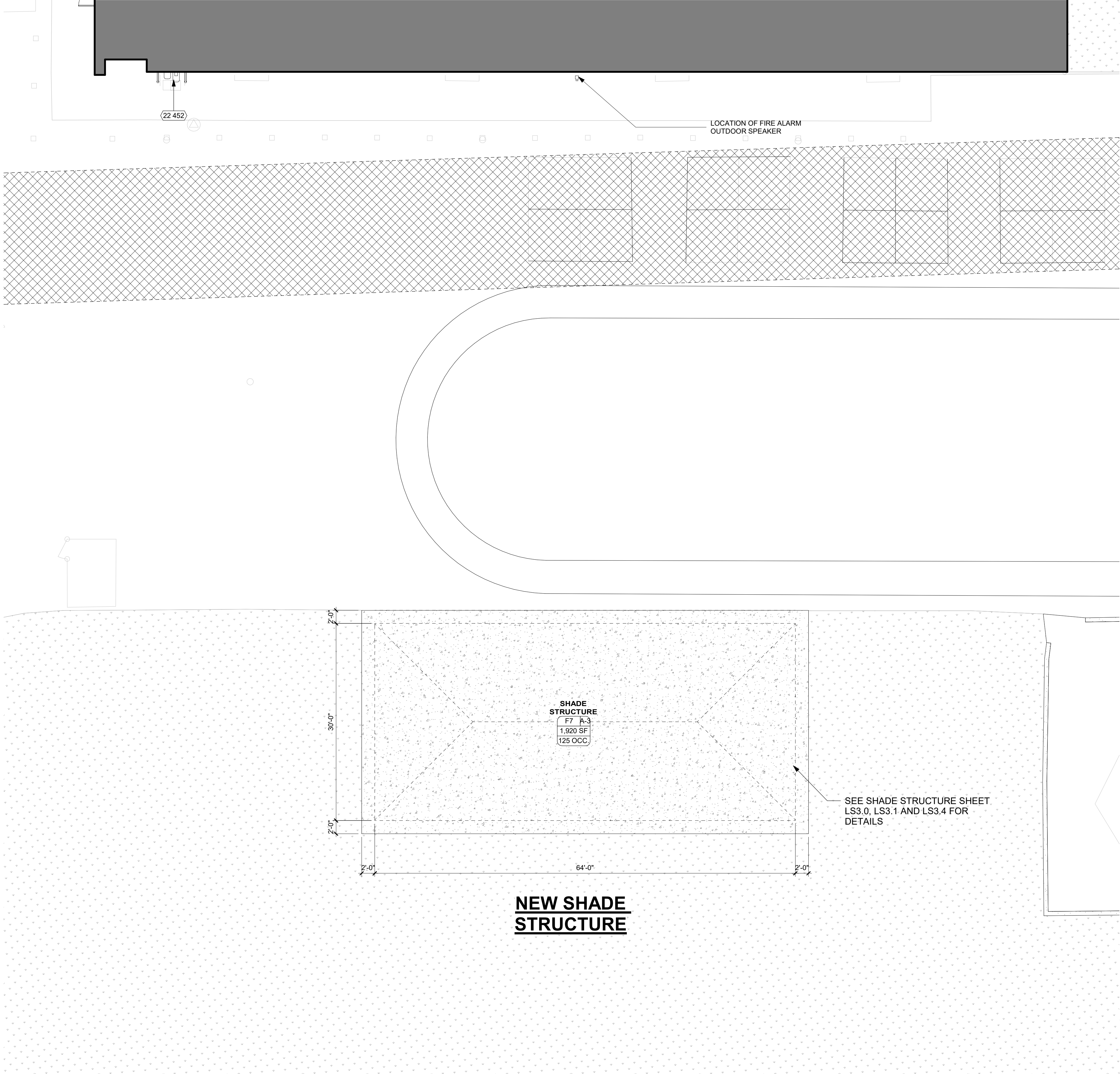
Drawing Number

A1.1

Checked

Checker

REF: 10 / A1.1



KEY NOTES		GENERAL NOTES	LEGEND	
NUMBER	NOTE	NOTES: 1. REFER TO MANUFACTURER'S SHEET 26.1-1000 FOR FRAME AND SHEET 26.2-2000 FOR ROOF COVERING MATERIAL. 2. LOCATION OF NEW SHADE STRUCTURES DOES NOT BLOCK REQUIRED EXITS OR EXIT ROUTE. CLEAR HEIGHT OF SHADE STRUCTURES SHALL BE 10'-0". 3. OCCUPANT LOAD FOR SHADE STRUCTURES SHALL BE PER DSA IR 31-1. 4. ACCESSIBLE GATES WITH PANIC HARDWARE SHALL BE DOGGED DURING THE TIME THE FACILITY IS OPEN. TYPICAL. THE DOGGING OPERATION WILL BE PERFORMED ONLY BY EMPLOYEES AS THEIR JOB FUNCTION.	ROOM	LEGEND
22 452	H/L/O EXTERIOR DRINKING FOUNTAIN WITH BOTTLE FILLER (SEE DETAIL 2/A10.10.1)		(A101) B 150 SF 1 OCC.	ROOM = ROOM NAME A101 = ROOM NUMBER B = OCCUPANCY GROUP 150 SF = FLOOR AREA IN SQUARE FEET 1 OCC = OCCUPANT LOAD (CBC TABLE 1004.5)
				BUILDING UNDER SCOPE OF WORK
				(N) SHADE STRUCTURE (UNDER THIS SCOPE OF WORK)
				(N) CONCRETE PAVING, SEE CIVIL DRAWINGS
				(N) ASPHALT PAVING, SEE CIVIL DRAWINGS
				(E) LANDSCAPE

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DATE: 03/18/2024



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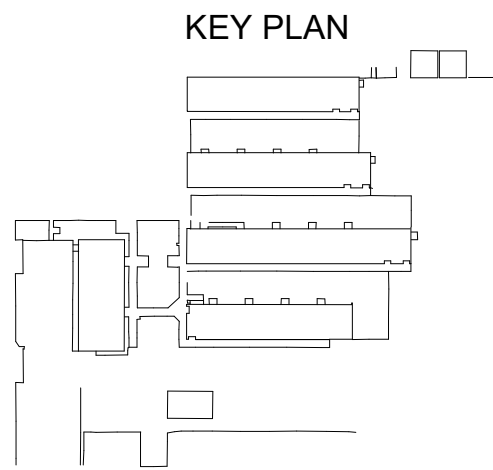
NO.	REMARKS	DATE

REVISION HISTORY

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☐ DSA PLAN CHECK
☐ DSA BACK CHECK
☐ BIDDING
☐ CONSTRUCTION

DATE



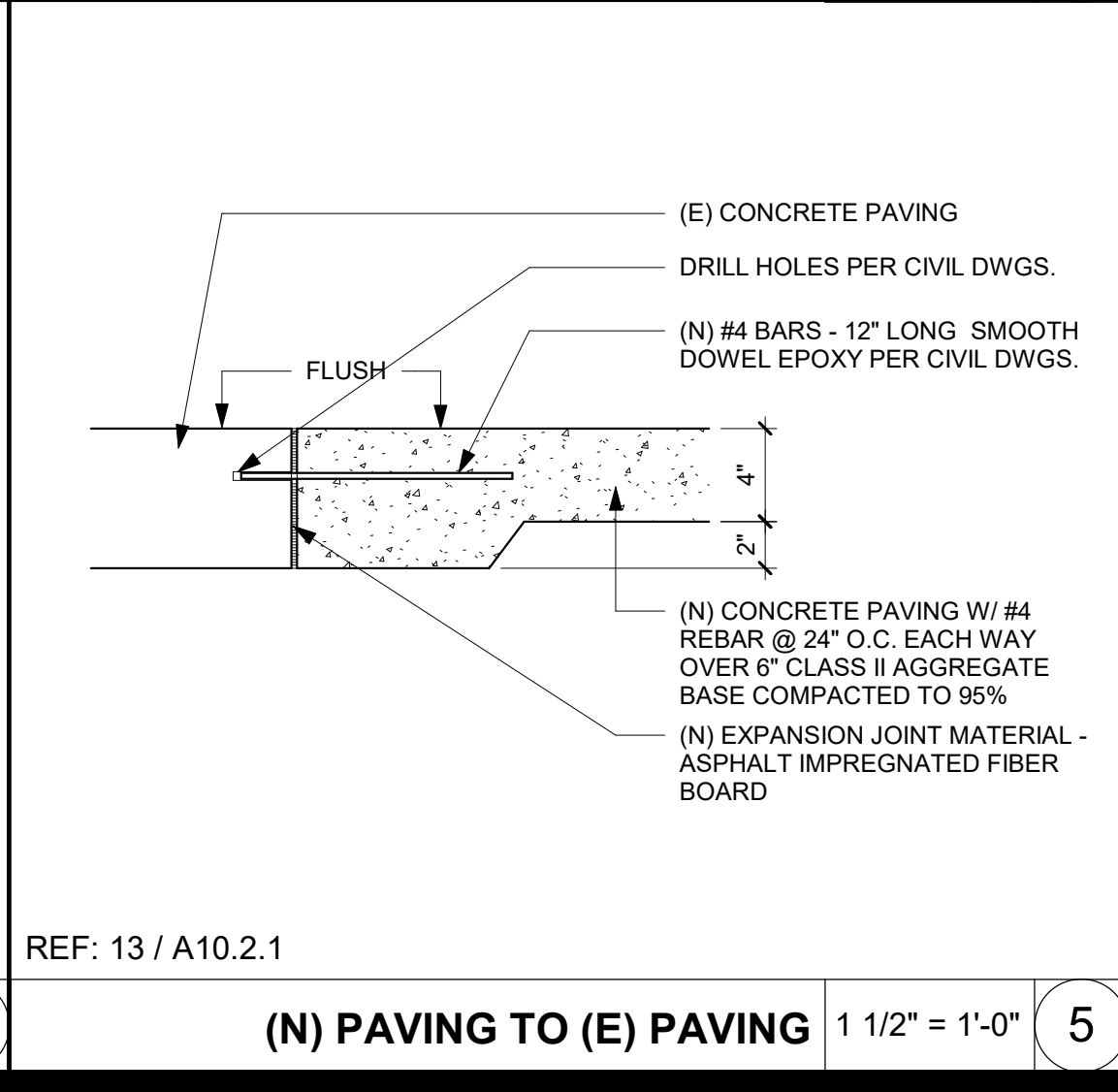
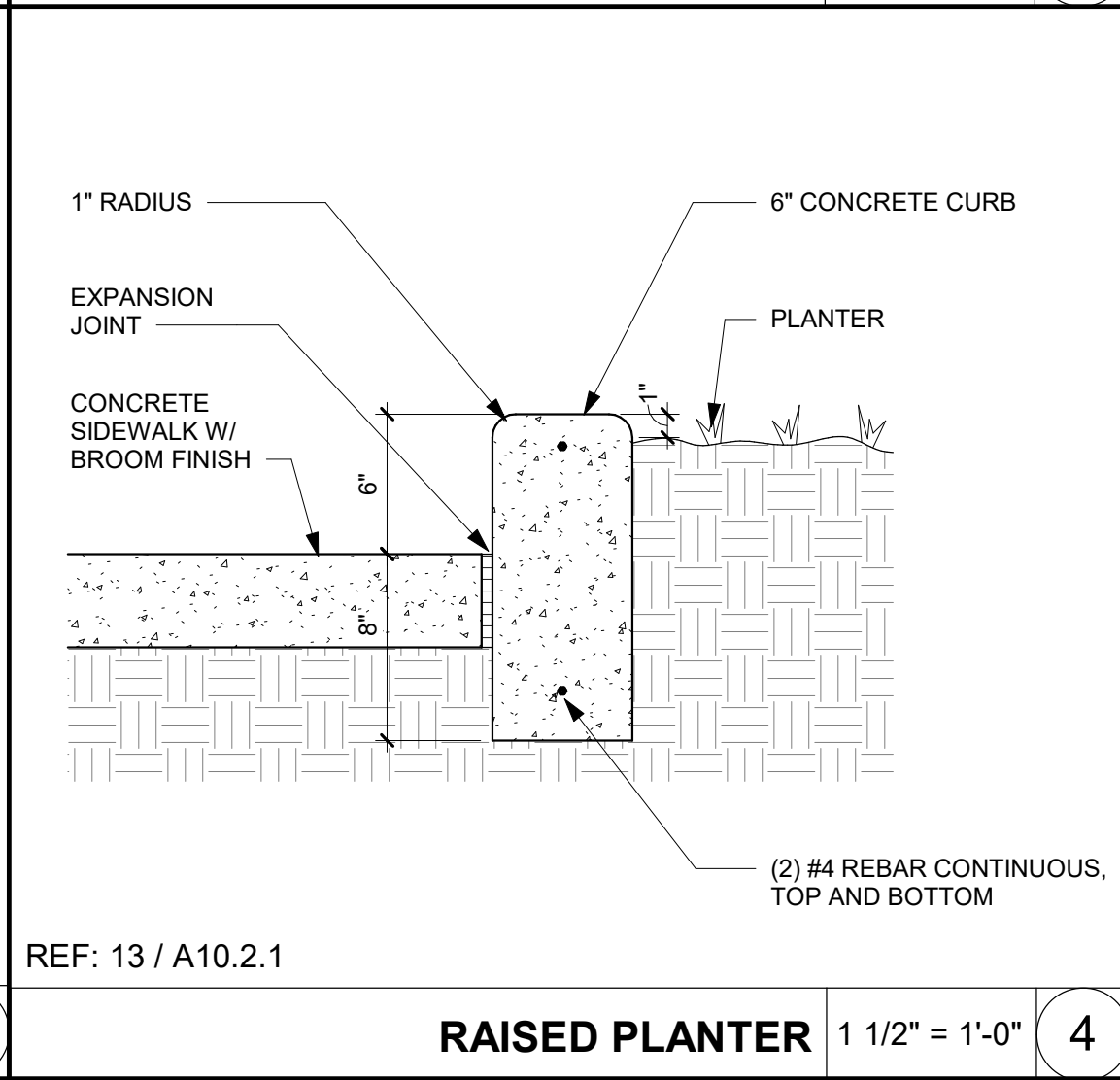
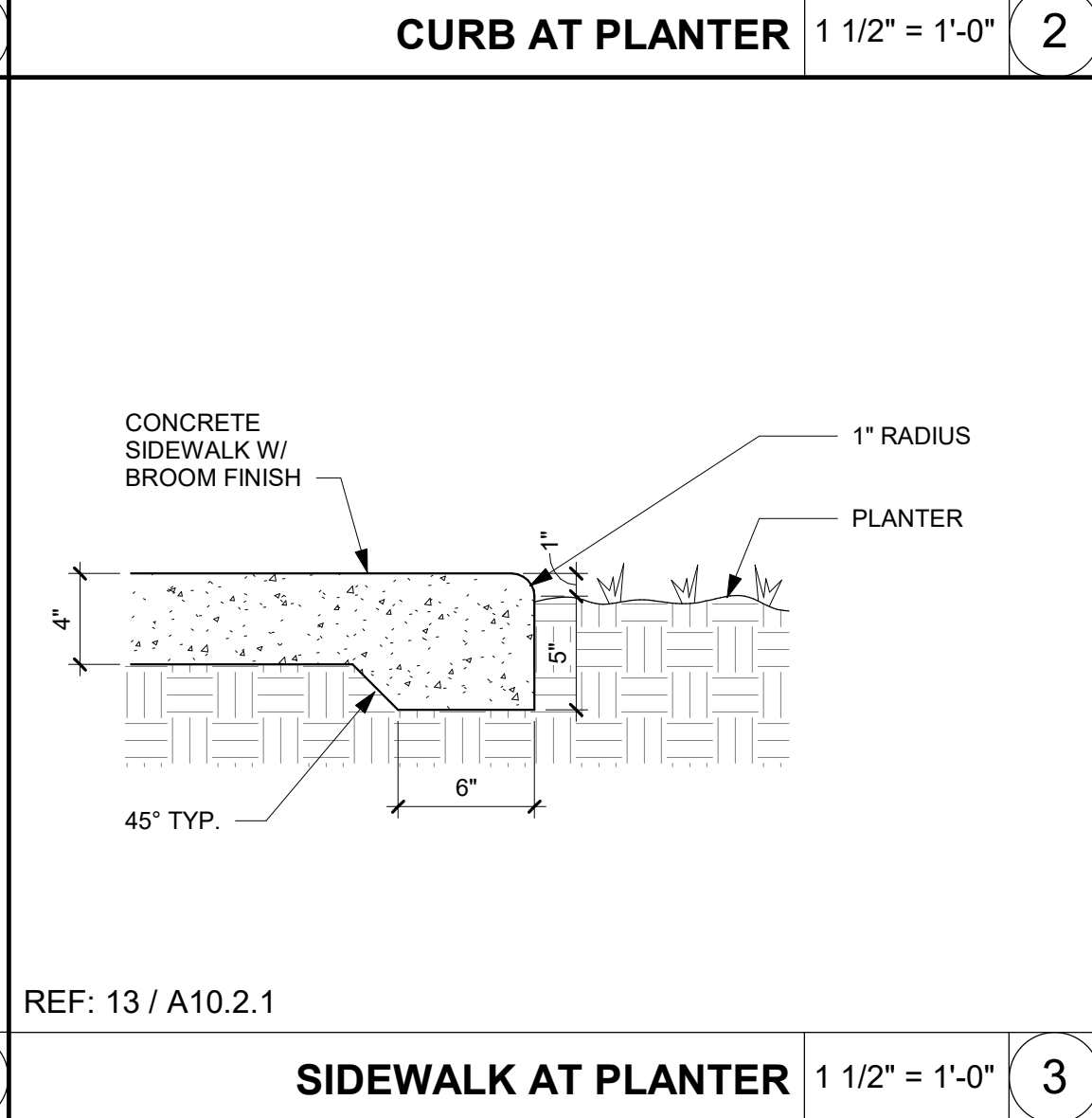
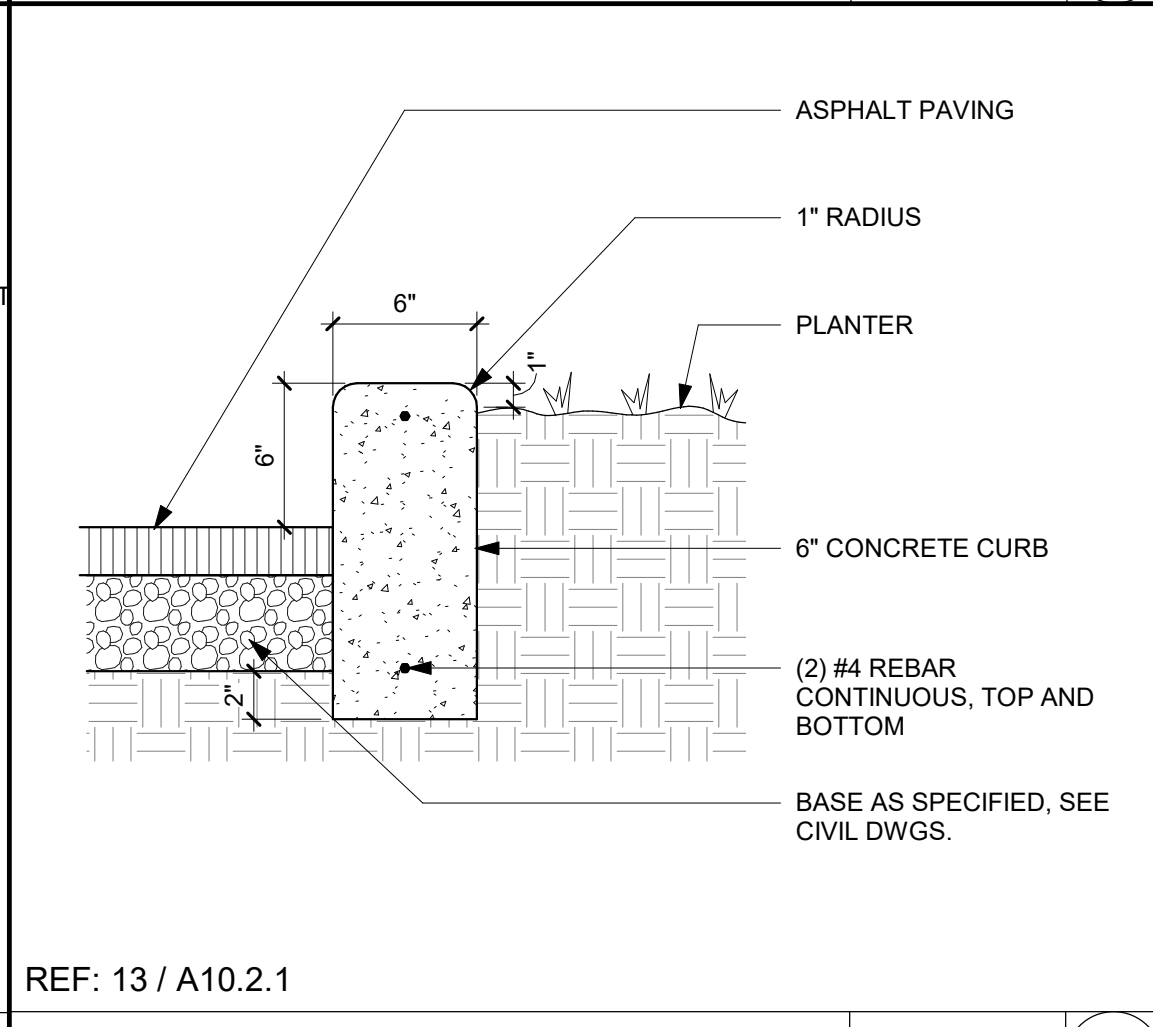
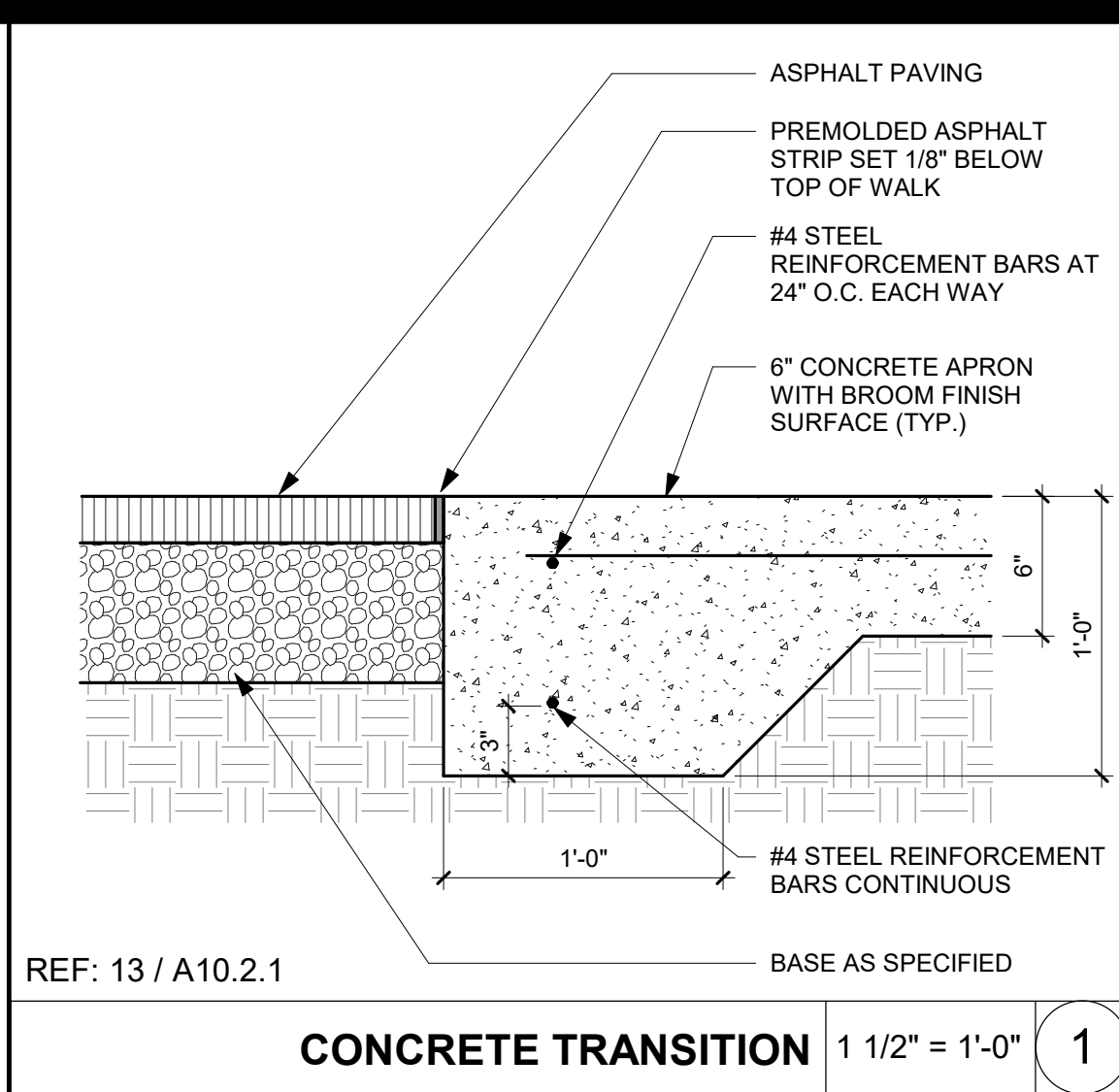
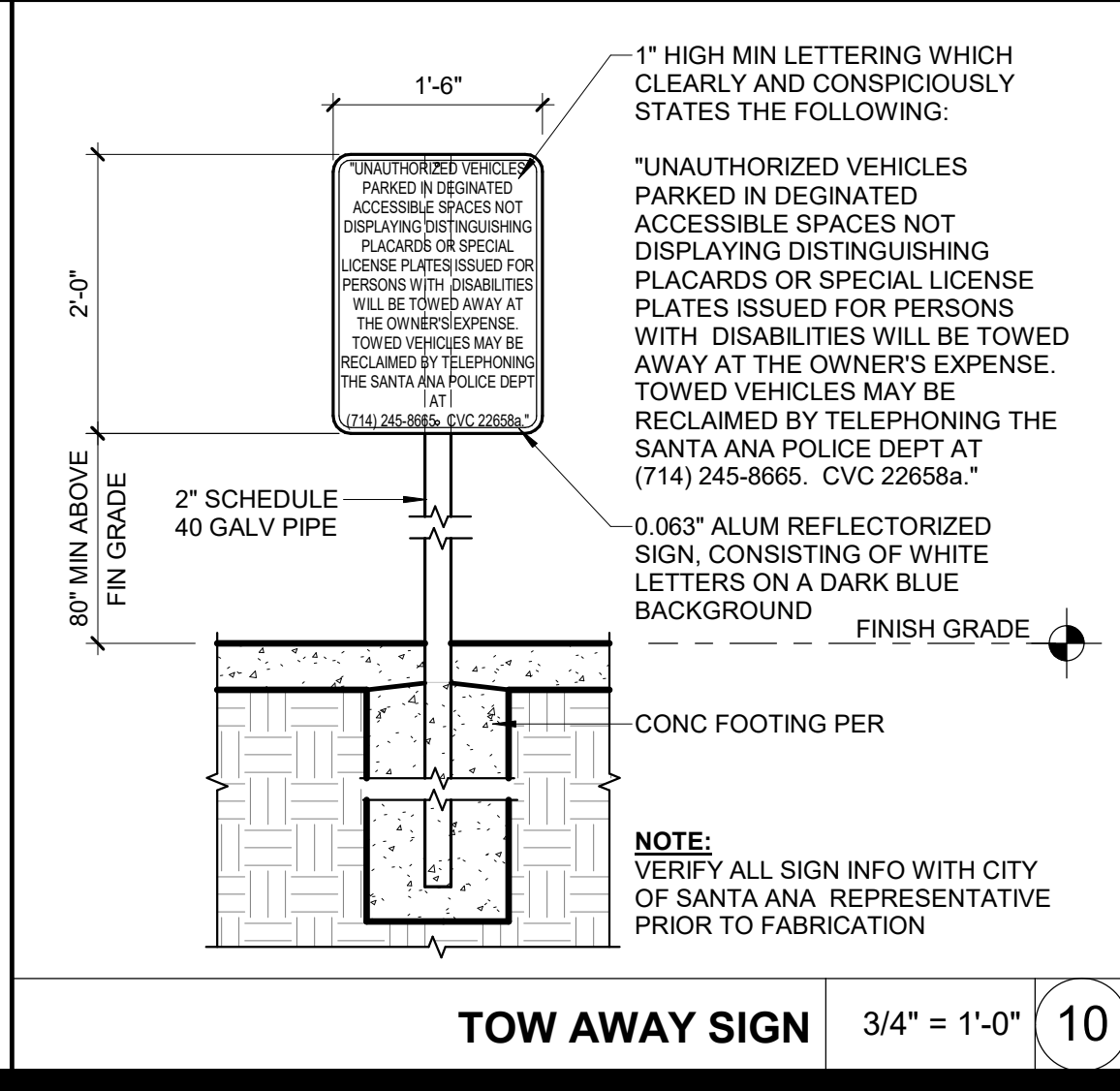
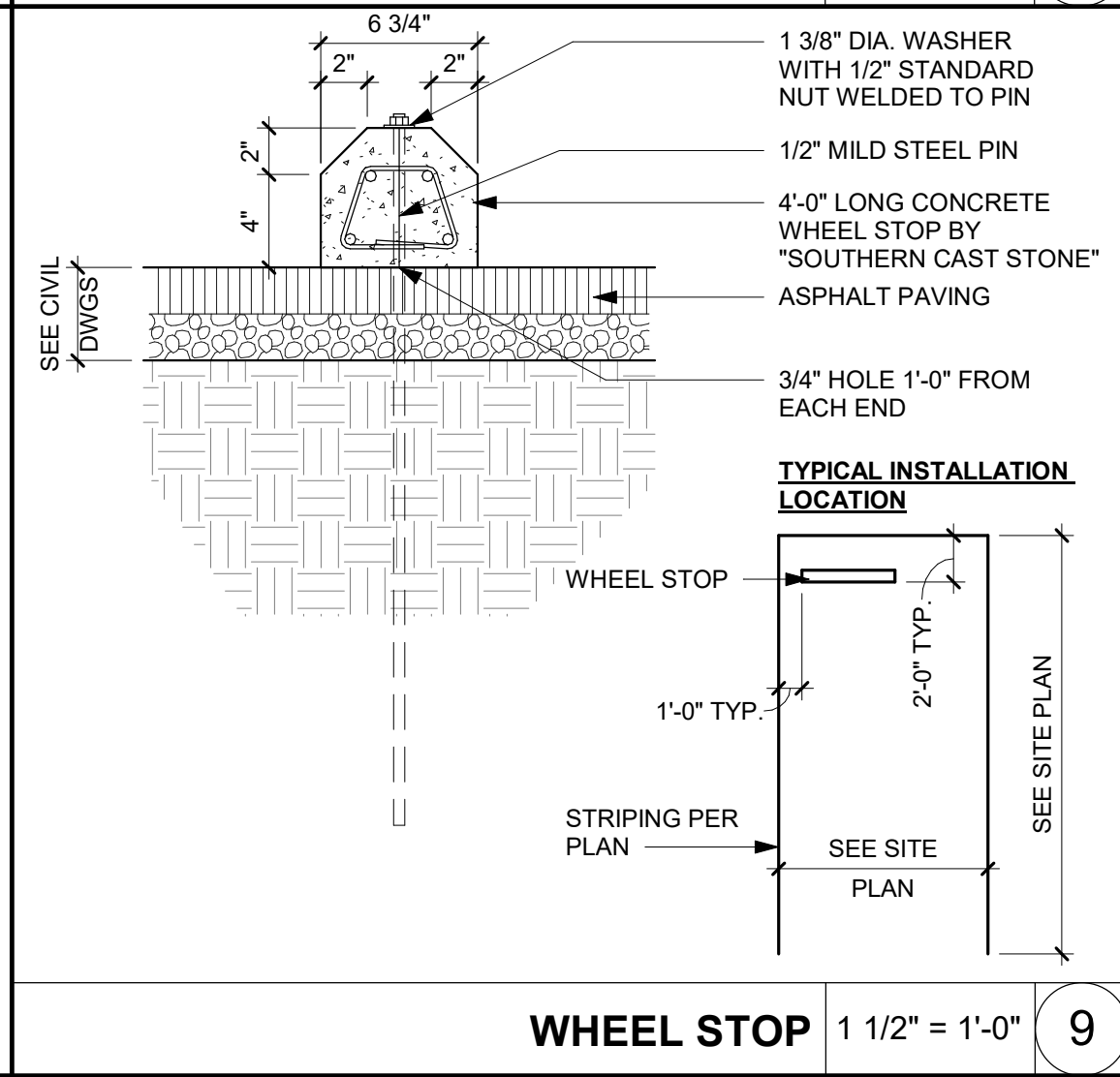
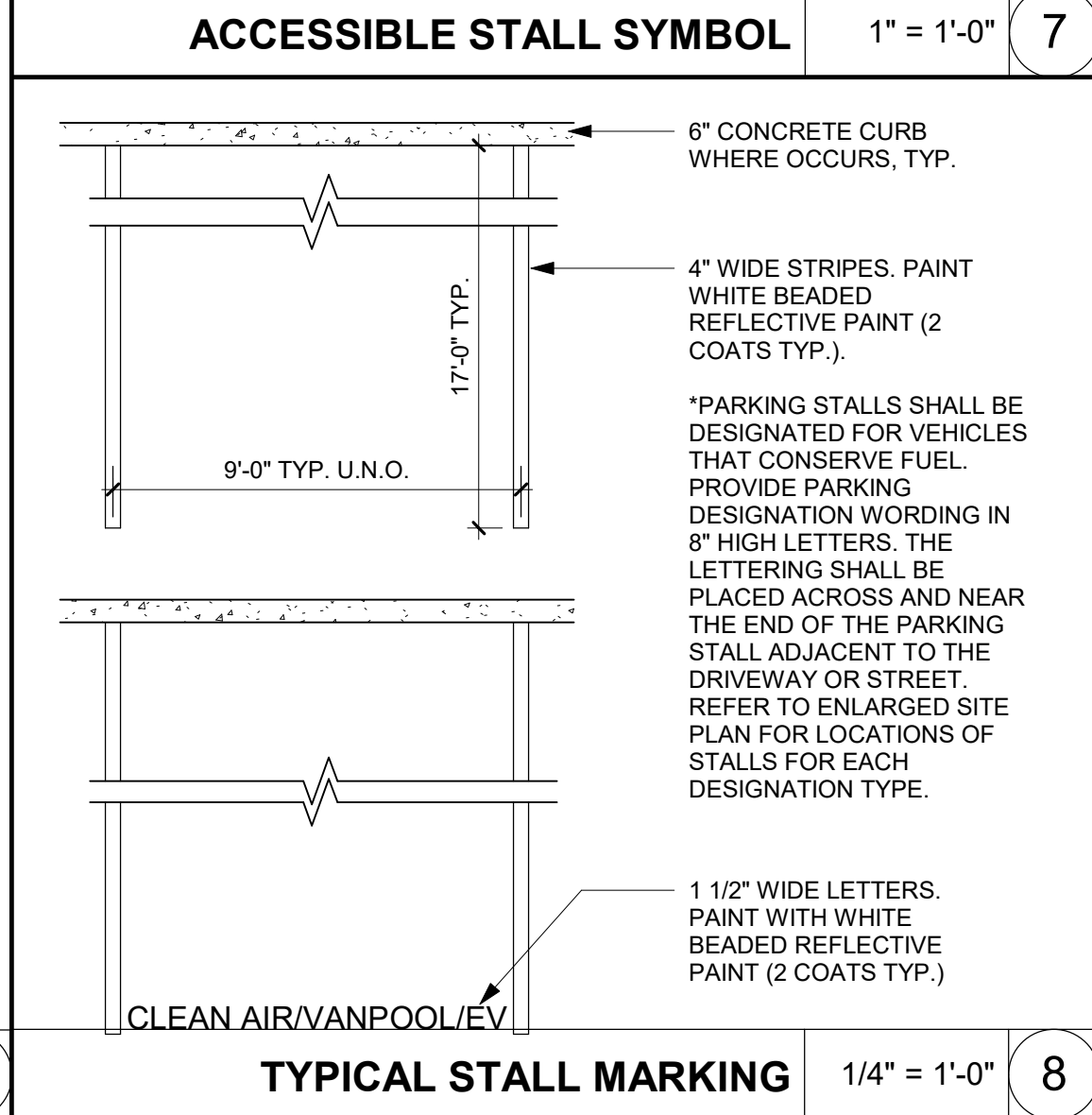
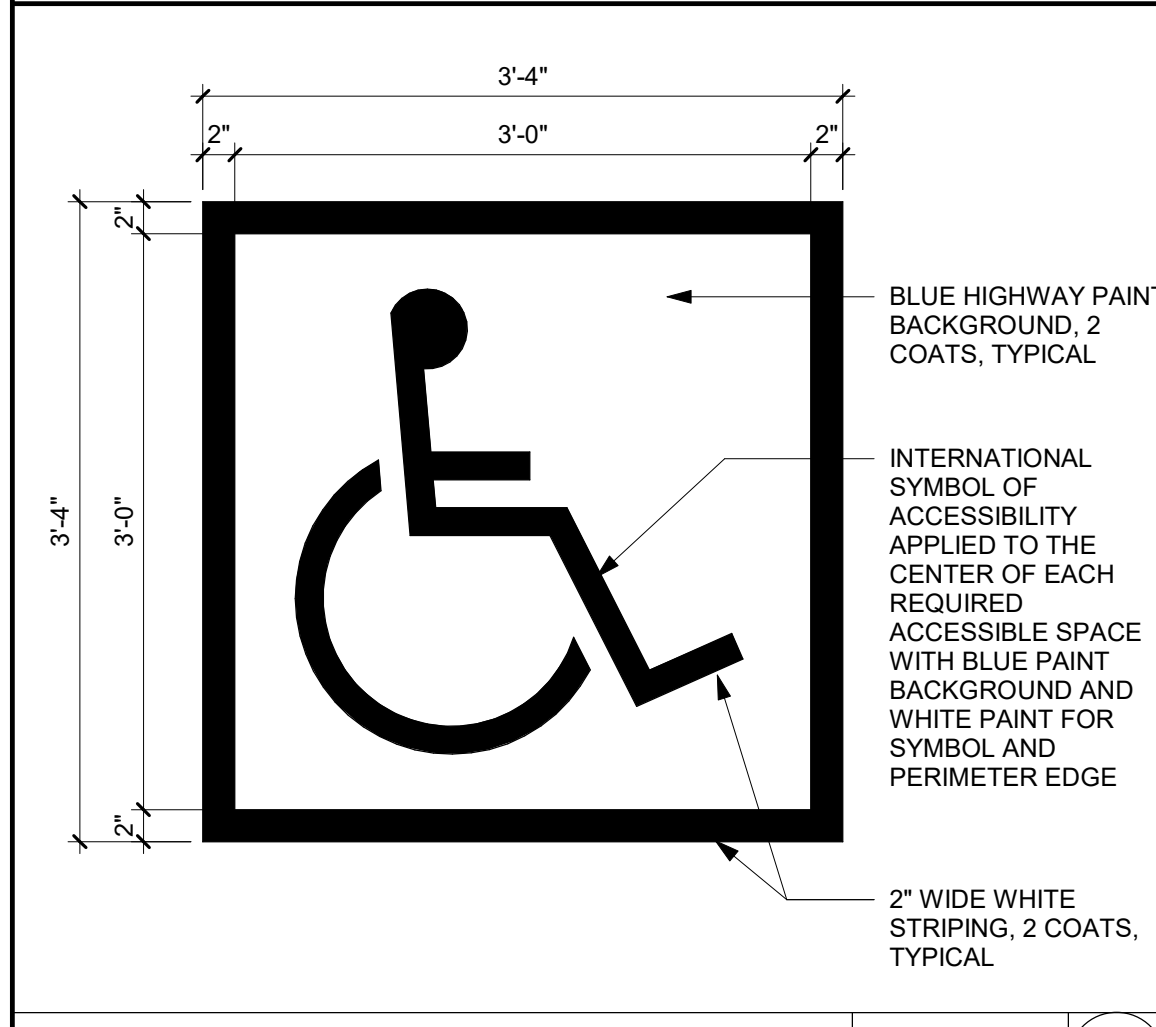
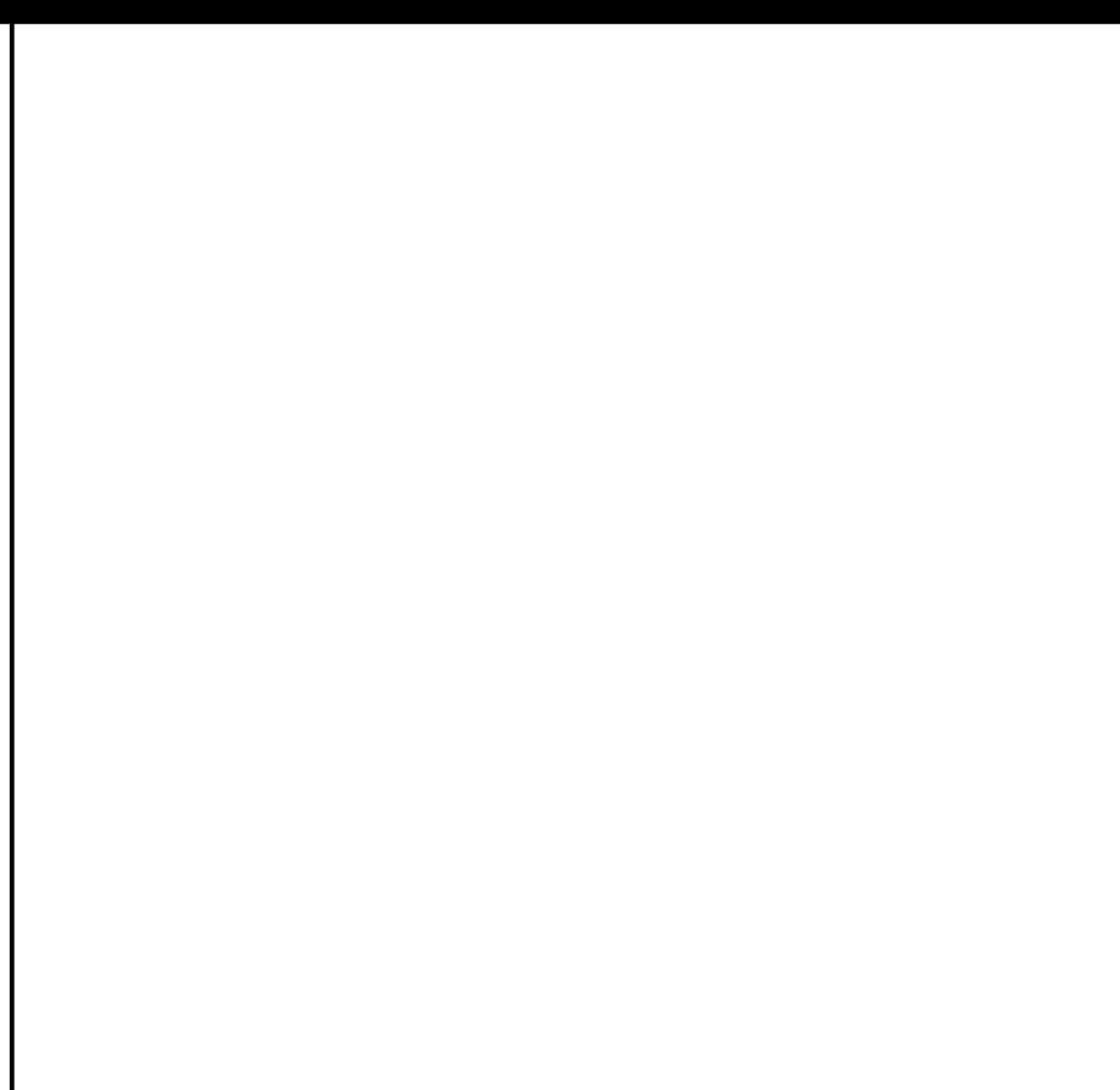
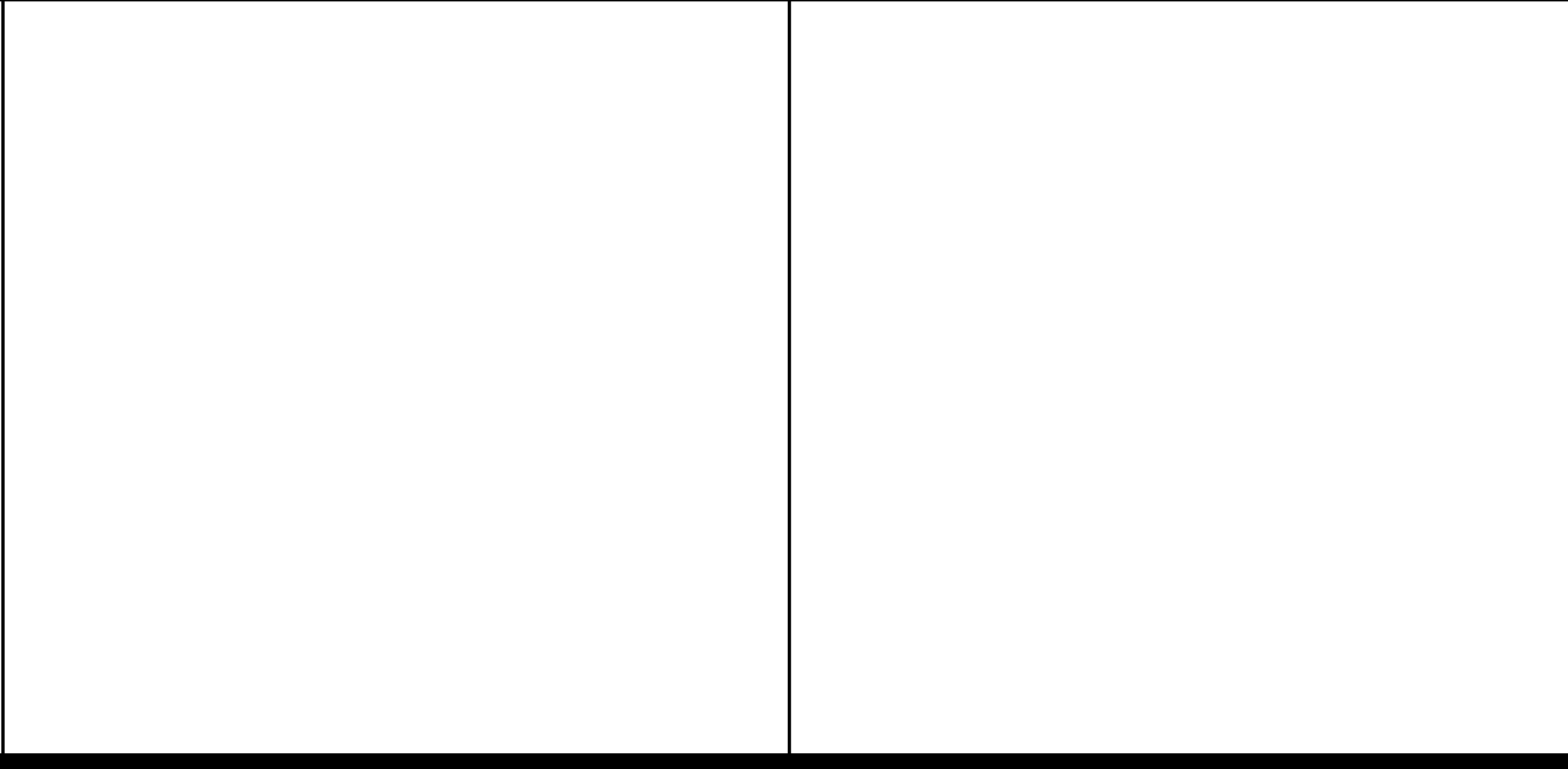
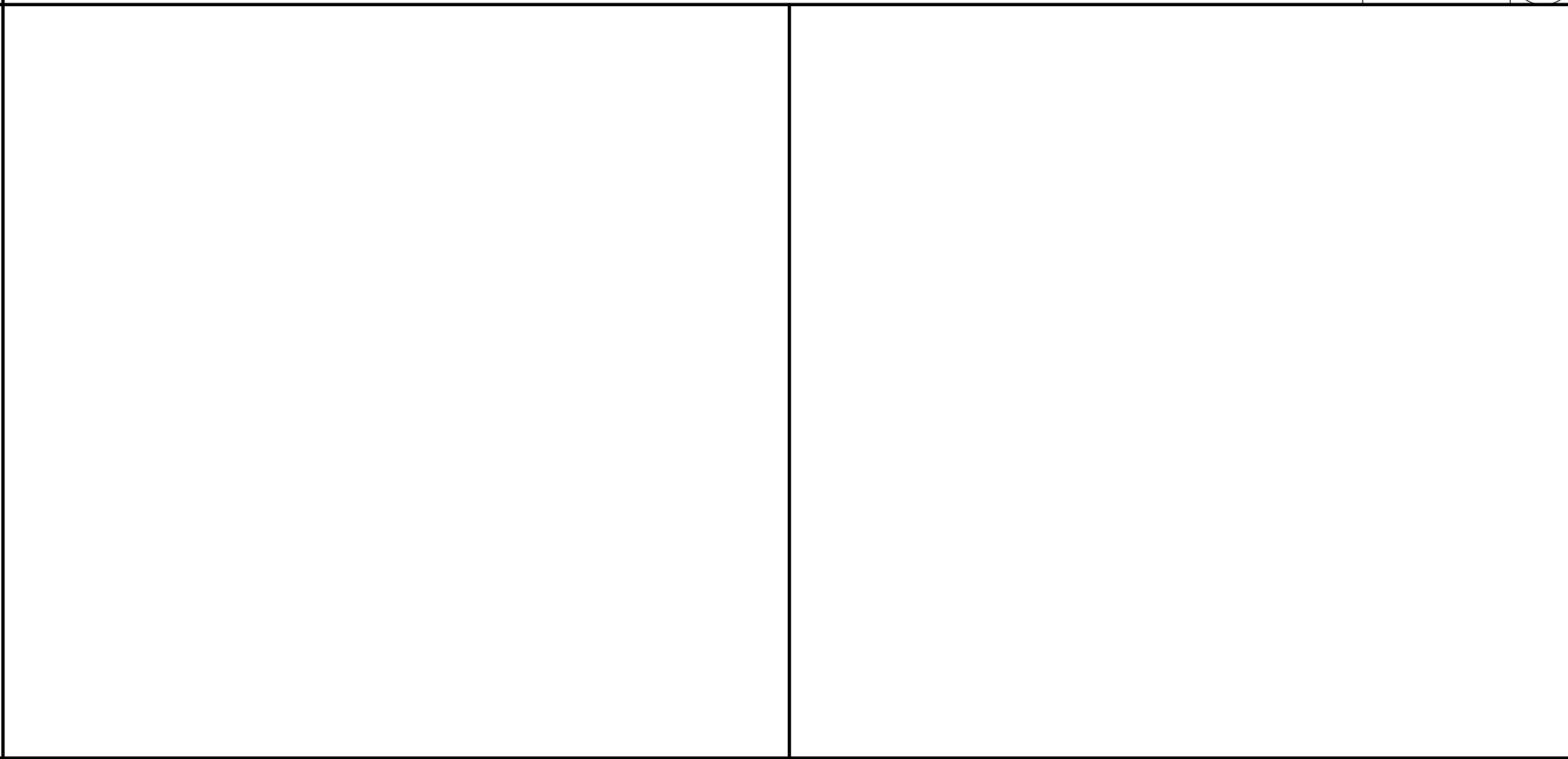
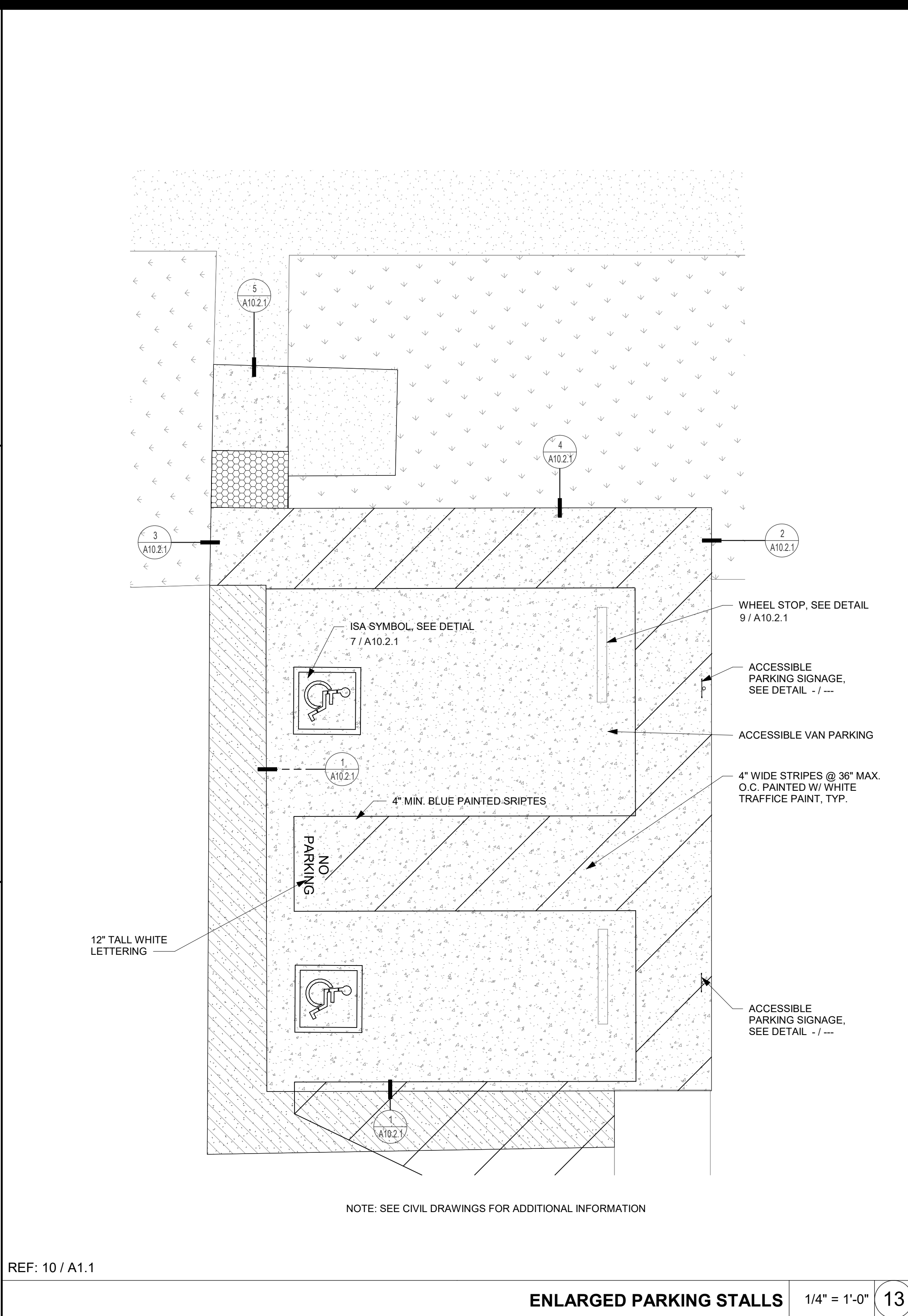
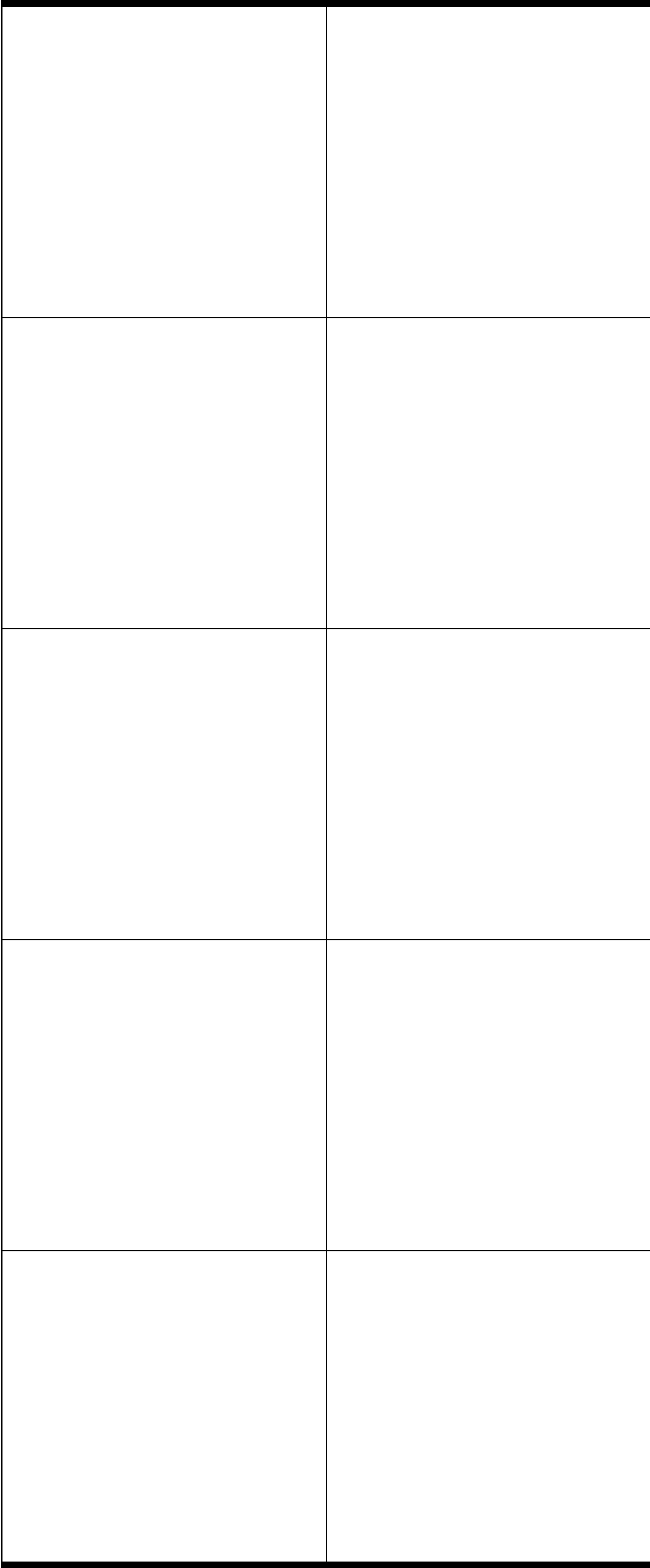
WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

DESIGN DEVELOPEMENT

YOLO EDUCATION
CENTER
ESSR III
919 WESTACRE ROAD, WEST
SACRAMENTO, CA 95691

ENLARGED SHADE
STRUCTURE PLAN

Date 03/07/2024	Project Number 22048
Application Number 02-122276	Drawing Number A1.2
Drawn Author	Checked Checker



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DIV. OF THE STATE ARCHITECT
APP: 02-122276 INC.
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☐ CONSTRUCTION

KEY PLAN

WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

DESIGN DEVELOPEMENT

YOLO EDUCATION
CENTER
ESSR III
919 WESTACRE ROAD, WEST
SACRAMENTO, CA 95691

SITE DETAILS

Date
03/07/2024
Application Number
02-122276
Drawn
Author

Project Number
22048
Drawing Number
A10.2.1
Checked
Checker

PLUMBING LEGEND				
SYMBOL	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
	S	SEWER PIPE	ABV	ABOVE
	OW	OILY WASTE PIPE	A/C	ABOVE CEILING
	GW	GREASE WASTE PIPE	AGA	AMERICAN GAS ASSOCIATION
	PW	PUMPED (FORCED) WASTE PIPE	ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
	IW	INDIRECT WASTE PIPE	ASME	AMERICAN SOCIETY FOR MECHANICAL ENGINEERS
	V	VENT PIPE	ASSE	AMERICAN SOCIETY FOR SANITARY ENGINEERS
	CW	COLD WATER PIPE	ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
	ICW	INDUSTRIAL COLD WATER PIPE	ADA	AMERICANS WITH DISABILITIES ACT
	SCW	SOFT COLD WATER PIPE	ADA	ABOVE FINISHED FLOOR
	HW	HOT WATER PIPE	AFF	ABOVE FINISHED GRADE
	IHW	INDUSTRIAL HOT WATER PIPE	A/G	ABOVE GRADE
	HWR	HOT WATER RETURN PIPE	ARCH	ACCESS PANEL
	140	140°F HOT WATER PIPE	BT	ARCHITECT OR ARCHITECTURAL
	R	RECLAIMED WATER PIPE	BTH	BATH TUB
	G	LOW PRESSURE NATURAL GAS PIPE	B/F	BELOW FLOOR
	MPG	MEDIUM PRESSURE NATURAL GAS PIPE	B/G	BELOW GRADE
	HPG	HIGH PRESSURE NATURAL GAS PIPE	BOP	BOTTOM OF PIPE
	LPG	LIQUIFIED PETROLEUM GAS PIPE	B/S	BELOW SLAB
	CD	CONDENSATE DRAIN PIPE	BTUH	BRITISH THERMAL UNIT
	SCD	SECONDARY CONDENSATE DRAIN PIPE	CBC	CALIFORNIA BUILDING CODE
	PCD	PUMPED CONDENSATE DRAIN PIPE	CEC	CALIFORNIA ELECTRICAL CODE
	RD	ROOF DRAIN PIPE	CFC	CALIFORNIA FIRE CODE
	ORD	OVERFLOW ROOF DRAIN PIPE	CMC	CALIFORNIA MECHANICAL CODE
	CA	COMPRESSED AIR PIPE	CPC	CALIFORNIA PLUMBING CODE
	FCO	FLOOR CLEAN OUT	CIPSI	CAST IRON SOIL PIPE INSTITUTE
	GCO	GRADE CLEAN OUT	CP	CIRCULATION PUMP
	WCO	WALL CLEAN OUT	CL	CLARIFIER
	FC	FLEXIBLE CONNECTION	CLR	CONCRETE
	GC	GAS COCK	CONN	CONNECT OR CONNECTION
	CV	CHECK VALVE	CONTR	CONTRACTOR
	BV	BALL VALVE	CFH	CUBIC FEET PER HOUR
	PRV	PRESSURE REDUCING VALVE	CFM	CUBIC FEET PER MINUTE
	BLV	BALANCING VALVE	°C	DEGREES CELSIUS
	PTR	PRESSURE AND TEMPERATURE RELIEF VALVE	°F	DEGREES FAHRENHEIT
	U	UNION	DIV	DIVISION
		CAPPED PIPE	DWG(S)	DRAWING(S)
	CONT	CONTINUED OR CONTINUATION	EA	EACH
	TP	TRAP PRIMER LINE	(E)	EXISTING
	WHA	WATER HAMMER ARRESTOR	ELEC	ELECTRICAL
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	ELEV	ELEVATION
	HB	HOSE BIBB	EXP	EXPANSION TANK
		PIPE DOWN OR DROP	FF	FINISHED FLOOR
		PIPE UP OR RISE	FFM	FEET PER MINUTE
		VALVE ON DROP	FLR	FLOOR
		VALVE ON RISE	FT	FEET OR FOOT
	T	THERMOMETER	FU	FIXTURE UNIT
	AS	AQUASTAT	G	GAL
	P.O.D.	POINT OF DISCONNECT	GA	GALVANIZED
	POC	POINT OF CONNECTION	GALV	GALLONS PER CYCLE
	AD, FD	AREA DRAIN OR FLOOR DRAIN	GPC	GALLONS PER CYCLE
	FS, RR	FLOOR SINK OR ROOF RECEPTOR	GP	GALLONS PER FLUSH
	VTR	VENT THROUGH ROOF	GPH	GALLONS PER HOUR
	DEMO	DEMOLITION OR DEMOLISH	GPM	GALLONS PER MINUTE
	RELO	RELOCATE	GP	GARBAGE DISPOSAL
	CIRC PUMP	CIRCULATING PUMP	HD	HEAD
	DIA, DIAM	DIAMETER	GI	GREASE INTERCEPTOR
			HDR	HEADER
			HR	HOUR
			IM	ICE MAKER SUPPLY BOX
			IES	ILLUMINATING ENGINEERS SOCIETY
			IND	INDIRECT
			IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBERS AND MECHANICAL OFFICIALS
			IBC	INTERNATIONAL BUILDING CODE
			IMC	INTERNATIONAL MECHANICAL CODE
			IPC	INTERNATIONAL PLUMBING CODE
			INV	INVERT
			IE	INVERT ELEVATION
			KEC	KITCHEN EQUIPMENT CONTRACTOR
			K	KILOGRAMS
			KPS	KILOPASCALS
			KS	KITCHEN SINK
			LS	LAUNDRY SINK
			L, LAV	LAVATORY
			LPF	LITERS PER SECOND
			MH	MANHOLE
			MFR	MANUFACTURER
			MSS	MANUFACTURERS STANDARDIZATION SOCIETY
			MAX	MAXIMUM
			MECH	MECHANICAL
			MSA	MEDIUM PRESSURE GAS METER SET ASSEMBLY
			MIL	0.001 INCH
			mm	MILLIMETER
			MIN	MINIMUM
			MS	MOP SINK
			MTD	MOUNTED
			NSF	NATIONAL SANITATION FOUNDATION
			NPSH	NET POSITIVE SUCTION HEAD
			NOM	NOMINAL
			NIC	NOT IN CONTRACT
			NTS	NOT TO SCALE
			NO	NUMBER
			PLBG	PLUMBING
			PDI	PLUMBING AND DRAINAGE INSTITUTE
			PE	POLYETHYLENE
			LBS	POUNDS
			PSIG	POUNDS PER SQUARE INCH GAUGE
			PD	PRESSURE DROP
			QTY	QUANTITY
			REQ'D	REQUIRED
			RI	ROUGH-IN
			SOH	SCHEDULE
			SH	SHOWER
			SOV	SHUT-OFF VALVE
			SPEC	SPECIFICATION
			SP	SQUARE FEET
			SS	STAINLESS STEEL
			STRUC	STRUCTURAL
			TEMP	TEMPERATURE
			THRU	THROUGH
			TDH	TOTAL DEVELOPED HEAD
			TDL	TOTAL DEVELOPED LENGTH
			TEL	TOTAL EQUIVALENT LENGTH
			Typ	TYPICAL
			UNO	UNLESS NOTED OTHERWISE
			UL	UNDERWRITERS LABORATORIES
			UBC	UNIFORM BUILDING CODE
			UMC	UNIFORM MECHANICAL CODE
			UPC	UNIFORM PLUMBING CODE
			UR	URINAL
			VCP	VITRIFIED CLAY PIPE
			V/PH/Hz	VOLTS/PHASE/HERTZ
			WB, WSB	WASHING MACHINE SUPPLY BOX
			WC	WATER CLOSET
			WHA	WATER HAMMER ARRESTOR
			WH	WATER HEATER
			YB	YARD BOX

PLUMBING GENERAL NOTES:

- THESE DOCUMENTS MAY NOT BE USED FOR ANY REPRODUCTION, BIDDING, OR CONSTRUCTION UNLESS AUTHORIZED, IN WRITING, BY SALAS O'BRIEN AND THE ENGINEER OF RECORD RESPONSIBLE FOR THEIR PREPARATION.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITY PIPES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS TO THE PLUMBING LAYOUT SHALL BE DONE AT NO EXTRA COST.
- CONTRACTOR SHALL NOTIFY ALL LOCAL UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO THE GAS COMPANY, ELECTRIC COMPANY, TELEPHONE COMPANY, AND THE WATER DEPARTMENT, ABOUT THE EXTENT OF PLUMBING WORK. ALL EXCAVATION WORK SHALL BE APPROVED BY ALL UTILITY COMPANIES TO ASSURE PREVENTION OF INTERRUPTION OF EXISTING SERVICES PRIOR TO START OF WORK.
- ALL PLUMBING WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CALIFORNIA PLUMBING CODE, CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, AMERICANS WITH DISABILITIES ACT (ADA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), THE LOCAL CITY AND COUNTY CODES, AND ALL OTHER CODES HAVING JURISDICTION. IN CASE OF CONFLICT, THE MORE STRICT REGULATIONS SHALL GOVERN.
- ALL PLUMBING WORK SHALL BE COORDINATED WITH THE WORKS OF OTHER TRADES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS SHALL BE MADE AT NO EXTRA COST.
- FOR MINIMUM PIPE SIZE CONNECTIONS TO EACH PLUMBING FIXTURE SEE PLUMBING FIXTURE SCHEDULE. THESE VALUES ARE MINIMUM; LARGER CONNECTIONS MAY RESULT BASED ON THE DIFFERENT MANUFACTURER'S RECOMMENDATIONS.
- MANUFACTURER'S NAMES AND MODEL NUMBERS SHOWN FOR PLUMBING FIXTURES AND EQUIPMENT ARE FOR REFERENCE ONLY. OTHER MANUFACTURERS WHICH CAN MEET THE DESIGN REQUIREMENTS OF THE PLUMBING SYSTEM MAY BE SUBSTITUTED UPON APPROVAL FROM THE ARCHITECT AND THE OWNER.
- PROVIDE DIELECTRIC FITTINGS FOR DISSIMILAR METALS IN CONTACT.
- PROVIDE HANGERS AND SUPPORTS FOR PIPING IN ACCORDANCE WITH THE RECOMMENDATIONS OF MSS SP-69-2003.
- PROVIDE VALVES AT THE FOLLOWING LOCATIONS:
 - WATER MAIN SHUT-OFF VALVE IN VALVE BOX.
 - VALVE WITH HOSE CONNECTION ON DOWNSTREAM SIDE OF THE MAIN SHUT-OFF VALVE.
 - SHUT-OFF VALVE ON EACH SUPPLY TO EACH FIXTURE AND EQUIPMENT ITEM NOT PROVIDED WITH CONTROL STOP OR OTHER AUXILIARY SHUT-OFF VALVE. INSTALL SHUT-OFF VALVES SO THAT STEMS EITHER ARE VERTICAL WITH HANDWHEELS OR OPERATORS ON TOP OR ARE HORIZONTAL AND SO THAT VALVES ARE EASILY ACCESSIBLE FOR OPERATION, SERVICE, REMOVAL AND REPLACEMENT.
- PROVIDE SLEEVES FOR ALL PIPE AND TUBING PASSING THROUGH FLOORS, ROOFS, AND WALLS. PACK CAULK AROUND THE PIPE OR TUBING. PROVIDE FLASHING FOR ALL PIPES EXTENDING THROUGH THE ROOF.
- ALL VENT TERMINATIONS AT ROOF SHALL BE AT LEAST 10 FEET AWAY FROM OUTSIDE AIR INTAKES, OPERABLE WINDOWS, AND BUILDING OPENINGS.
- FILL CRACKS BETWEEN FIXTURES AND WALL/FLOORS WITH SILICONE RUBBER SEALANT.
- LOCATE, SIZE, AND INSTALL WATER HAMMER ARRESTERS IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD NO. WH-201.
- INSTALL FIXTURES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES. SECURE FLOOR OUTLET OF FLOOR-MOUNTED FIXTURES TO DRAINAGE CONNECTIONS AND FLOOR IN A RIGID MANNER. RIGIDLY SUPPORT WALL-HUNG FIXTURES BY MEANS OF METAL SUPPORTING MEMBERS. USE CHROMIUM-PLATED BRASS BOLTS, NUTS, AND WASHERS WHERE EXPOSED. ALL CONNECTIONS SHALL BE MADE GAS-TIGHT AND WATER-TIGHT. USE OF PUTTY AND PLASTICS FOR GASKETS WILL NOT BE PERMITTED.
- PROVIDE ALL FIXTURE COMPONENTS AS INDICATED ON DRAWINGS. PROVIDE ADDITIONAL COMPONENTS AS PER MANUFACTURER'S RECOMMENDATIONS FOR PROPER OPERATION OF THE FIXTURES.
- PROVIDE EACH PLUMBING FIXTURE (INCLUDING HOSE BIBBS) WITH AN INDIVIDUAL STOP OR COMPRESSION VALVE OF POLISHED CHROME-PLATED LOOSE KEY TYPE.
- WHERE DEPTHS OR INVERTS ELEVATIONS ARE NOT INDICATED, PROVIDE MINIMUM COVERAGE (ABOVE TOP OF PIPES) AS FOLLOWS:
 - ANY PIPING UNDER SLAB (TOP OF PIPE TO UNDERSIDE OF SLAB): 18 INCHES.
 - CAST IRON AND COPPER PIPES IN OTHER LOCATIONS: 18 INCHES.
 - EXCAVATE TO UNDISTURBED EARTH. CUT LEVEL AND FORM TRUE. REMOVE DEBRIS, RUBBISH AND SOFT MATERIAL (SUCH AS MUD). WHERE ROCK IS ENCOUNTERED, UNDERCUT TRENCHES 6-INCHES AND FILL WITH WELL TAMPED NEUTRAL SAND AND PEA GRAVEL TO PROPER PIPE ELEVATION. DURING EXCAVATION FREE OF STANDING WATER. UNDERCUT TRENCH 6-INCHES AND INSTALL PIPING IN A 6-INCH NEUTRAL SAND ENVELOPE.
- BACKFILL TO A POINT 12-INCHES ABOVE TOP OF PIPING WITH EARTH (EXCAVATED MATERIAL MAY BE USED) FREE OF CLAY, DEBRIS, RUBBISH, ROCKS, OR CLOUDS OVER 4-INCHES IN THE GREATEST DIMENSION. BACKFILL ABOVE 12-INCHES FROM TOP OF PIPING MAY BE WITH EXCAVATED MATERIAL. APPLY BACKFILL BY HAND IN 6-INCH DEEP LAYERS THE FULL WIDTH OF THE TRENCH. MOISTEN EACH LAYER (DO NOT FLOOD OR PUDDLE), AND HAND TAMP TO A MINIMUM 90 PERCENT COMPACTION BEFORE PROCEEDING WITH THE NEXT LAYER OF BACKFILL.
- DO NOT EXCAVATE UNDER FOUNDATIONS OR FOOTINGS EXCEPT IN MANNER PERMITTED BY THE ARCHITECT. DO NOT BACKFILL UNTIL INSTALLED PIPING HAS BEEN SUCCESSFULLY TESTED.
- VERIFICATION OF WATER AGENCY APPROVAL SHALL BE SUBMITTED TO THE BUILDING AND SAFETY DIVISION PRIOR TO ISSUANCE OF A PLUMBING PERMIT FOR THIS PROJECT.
- ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL BE PACKED WITH APPROVED FIRE PROOFING. FOR LOCATIONS OF FIRE RATED ASSEMBLIES, SEE ARCHITECTURAL PLANS.
- ROUTE ALL PIPES AS HIGH AS POSSIBLE IN EXPOSED LOCATIONS. COORDINATE ROUTING WITH ALL OTHER TRADES PRIOR TO START OF WORK.
- NO SPRAY FOAM INSULATION SHALL BE APPLIED TO AREAS CONTAINING PEX PIPING.

GENERAL NOTES

- ALL PLUMBING SYSTEM COMPONENTS SHALL MEET OR EXCEED THE REQUIREMENTS OF CURRENT CBC, CMC, CPC, NEC, NFPA, ASTM, ANSI, AND ALL LOCAL AND STATE CODE REQUIREMENTS. (SEE BELOW)
- ALL PLUMBING EQUIPMENT LISTED IN OF THE 2022 CALIFORNIA CODE OF REGULATIONS (CCR), TITLE-24, PART 6, SECTION 110.3 ENERGY EFFICIENCY STANDARDS MUST BE CERTIFIED BY THE MANUFACTURER TO MEET OR EXCEED SPECIFICATIONS OR EFFICIENCIES ADOPTED BY THE CEC.
- ALL INSULATING MATERIALS INSTALLED MUST BE CERTIFIED BY CALIFORNIA ENERGY COMMISSION TO MEET 2022 CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 6, ENERGY EFFICIENCY STANDARDS, SECTION 120.3 AND TABLE 4-15.
- ALL INSULATION INSTALLED SHALL MEET THE FLAME SPREAD AND SMOKE DENSITY REQUIREMENTS OF 2022 CBC, PART 1, SECTION 720 AND 2022 CMC, SECTION 602.2.
- ALL PIPING EXPOSED TO WEATHER SHALL BE METALLIC.
- ALL FERROUS PIPING EXPOSED TO WEATHER SHALL BE GALVANIZED AND PAINTED.
- ALL PIPES, FITTINGS AND FIXTURES USED TO CONVEY POTABLE WATER SHALL BE LEAD FREE IN COMPLIANCE WITH CPC SECTION 604.2.
- ALL FIXTURES REQUIRED TO BE ACCESSIBLE SHALL BE INSTALLED AS PER THE LATEST REQUIREMENTS OF TITLE 24 AND ADA (AMERICANS WITH DISABILITIES ACT).
- CROSS CONNECTION PROTECTION SHALL BE PROVIDED AT ALL POTABLE WATER SUPPLIED APPLIANCES AND EQUIPMENT (OTHER THAN THOSE LISTED IN INFORMATION BULLETIN 103).
- ALL INSTALLATION OF PEX PIPE INSTALLED IN NEW CONSTRUCTION SHALL BE FLUSHED TWICE OVER A PERIOD OF AT LEAST ONE WEEK PER CPC SECTION 604.1.2. PEX
 - AT THE TIME OF FILL, EACH NEW PLUMBING FIXTURE SHALL HAVE A REMOVABLE TAG APPLIED STATING:

THIS NEW PLUMBING SYSTEM SHALL BE FIRST FILLED AND FLUSHED ON (DATE) BY (NAME). THE STATE OF CALIFORNIA REQUIRES THAT THE SYSTEM BE FLUSHED AFTER STANDING AT LEAST ONE WEEK AFTER THE FILL DATE SPECIFIED ABOVE. IF THIS SYSTEM IS USED EARLIER THAN ONE WEEK AFTER THE FILL DATE ABOVE, IF THIS SYSTEM IS USED EARLIER THAN ONE WEEK AFTER THE FILL DATE, THE WATER MUST BE ALLOWED TO RUN FOR AT LEAST TWO MINUTES PRIOR TO USE FOR HUMAN CONSUMPTION. THE TAG MAY NOT BE REMOVED PRIOR TO THE COMPLETION OF THE REQUIRED SECOND FLUSHING, EXCEPT BY BUILDING OWNER OR OCCUPANT.
- PRIOR TO ISSUING A BUILDING PERMIT TO INSTALL PEX PIPE, THE BUILDING OFFICIAL SHALL REQUIRE AS PART OF THE PERMITTING PROCESS THAT THE CONTRACTOR, OR THE APPROPRIATE PLUMBING SUBCONTRACTORS, PROVIDE WRITTEN CERTIFICATION THAT HE OR SHE WILL COMPLY WITH THE FLUSHING PROCEDURES SET FORTH BY CODE.
- THE BUILDING OFFICIAL SHALL NOT GIVE FINAL PERMIT APPROVAL FOR ANY PEX PLUMBING INSTALLATION UNLESS HE OR SHE FINDS THAT THE MATERIAL HAS BEEN INSTALLED IN COMPLIANCE WITH THE REQUIREMENTS OF THE CODE, INCLUDING THE REQUIREMENTS TO FLUSH AND TAG THE SYSTEMS.
- ANY CONTRACTOR OR SUBCONTRACTOR FOUND TO HAVE FAILED TO COMPLY WITH THE PEX FLUSHING REQUIREMENTS SHALL BE SUBJECT TO THE PENALTIES IN HEALTH AND SAFETY CODE, DIVISION 13, PART 1.5, CHAPTER 6 (SECTION 17995, et seq.).

APPLICABLE CODES

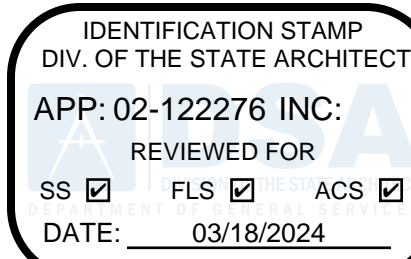
- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR PART 1, TITLE 24
- 2022 CALIFORNIA BUILDING CODE (CBC), CCR TITLE 24, PARTS 1 & 2 (BASED ON THE 2021 EDITION INTERNATIONAL BUILDING CODE, VOLS. 1 & 2)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR TITLE 24, PART 3 (BASED ON THE 2020 EDITION NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA MECHANICAL CODE (CMC), CCR TITLE 24, PART 4, TITLE 24 CCR (BASED ON THE 2021 EDITION UNIFORM MECHANICAL CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), CCR TITLE 24, PART 5, (BASED ON THE 2021 EDITION UNIFORM PLUMBING CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE (CEC), CCR TITLE 24, PART 6, AND ASSOCIATED ADMINISTRATIVE REGULATION IN PART 1.
- 2022 CALIFORNIA FIRE CODE (CFC), CCR TITLE 24, PART 9 (BASED ON THE 2021 EDITION INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), CCR TITLE 24, PART 10, (BASED ON THE 2021 EDITION INTERNATIONAL EXISTING BUILDING CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), CCR TITLE 24, PART 11
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR TITLE 24, PART 12
- TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PLUMBING PIPE MATERIAL SCHEDULE

SERVICE	LOCATION	PIPE MATERIAL	SLOPE
WATER	ABOVE GRADE	ASTM B88 TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.	1/32" PER 1'
	BELOW GRADE	ASTM B88 TYPE "K" HARD DRAWN COPPER, FACTORY INSULATED, WITH WROUGHT COPPER FITTINGS.	1/32" PER 1'
SEWER AND VENT	ABOVE GRADE	ASTM A888 SERVICE WEIGHT CAST IRON PIPE AND DWV FITTINGS SHALL CONFORM TO CPC AND BEAR THE COLLECTIVE TRADEMARK OF CISPI AND NSF.	1/4" PER 1'
	BELOW GRADE	ABS SCHEDULE 40 PIPE AND DWV FITTINGS SHALL CONFORM TO ASTM D2321-2000 AND CPC.	1/4" PER 1'

PLUMBING FIXTURE SCHEDULE

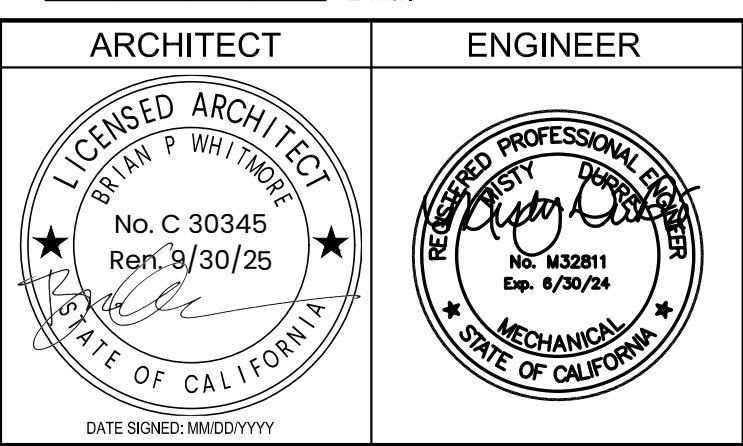
SYMBOL	FIXTURE	MIN. PIPE SIZE				REMARKS
		CW	HW	V	S	
	DRINKING FOUNTAIN W/ BOTTLE FILLER	3/4"	--	--	2"	FREE STANDING 'GROUND MOUNTED' OUTDOOR DRINKING FOUNTAIN HAWS MODEL 3612, VANDAL RESISTANT, ADA COMPLIANT PEDESTAL MOUNTED BOTTLE FILLER WITH 1 GPM FLOW AND HIGH-LOW DRINKING FOUNTAIN WITH HEAVY DUTY STAINLESS STEEL PEDESTAL WITH PUSH BUTTON OPERATED STAINLESS STEEL VALVE AND FLOW CONTROL. INSTALL WITH HOSE BIBB MODEL 3660, LOCKABLE HOSE BIBB ATTACHMENT.
	DRINKING FOUNTAIN W/ BOTTLE FILLER	3/4"	--	1-1/2"	2"	WALL MOUNTED EXTERIOR/INTERIOR HI LO DRINKING FOUNTAIN HAWS MODEL 1119-1920, VANDAL RESISTANT, ADA COMPLIANT WITH BOTTLE FILLER OF 1 GPM FLOW AND HIGH-LOW DRINKING FOUNTAINS WITH PUSH BUTTON OPERATED. INSTALL WITH WALL MOUNTING PLATE.



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NO.	REMARKS	DATE

REVISION HISTORY

NO.	REVISION	DATE

DRAWING STATUS

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☐ BIDDING

☐ CONSTRUCTION

KEY PLAN

WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

PROJECT STATUS

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CENTER
ESSR III
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SACRAMENTO, CA 95691

PLUMBING LEGEND AND GENERAL NOTES

Date
MM/DD/YYYY
22048

Application Number
XX-XXXXXX

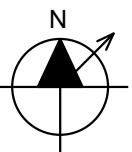
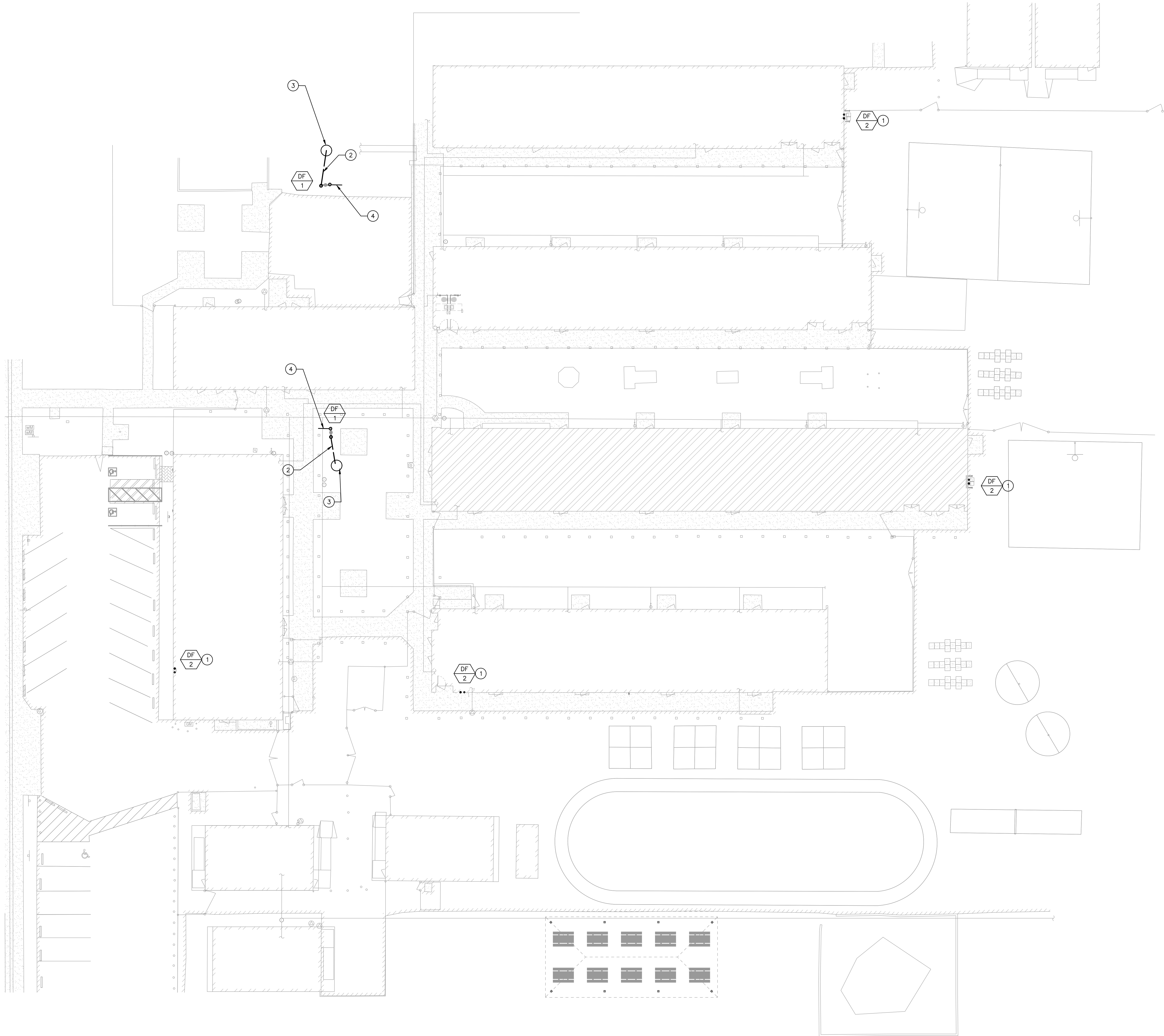
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XX-XXXXXX

Drawn
PP

Checked
SO

P0.1



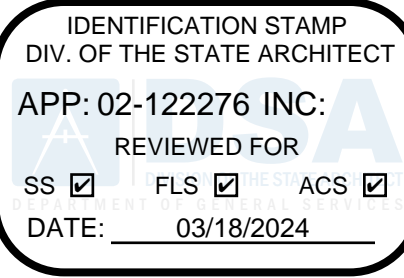
GENERAL NOTES

- A. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS TO MECHANICAL EQUIPMENT PRIOR TO START OF WORK. IN NO CASE SHALL THE CONNECTION SIZE BE LARGER THAN THE BRANCH PIPING SIZE.

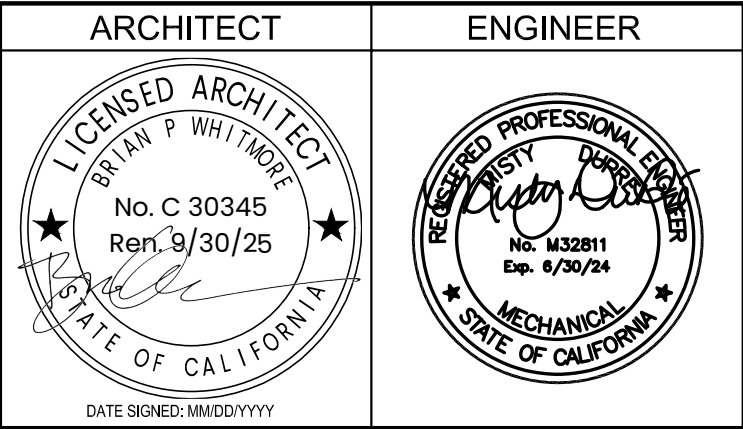
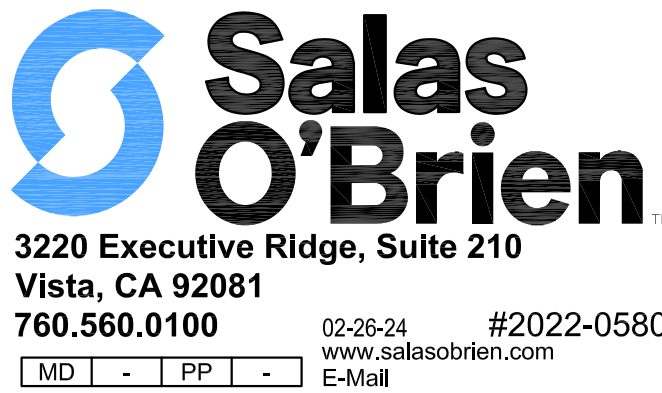
KEY NOTES

1. INSTALL NEW DRINKING FOUNTAIN WITH BOTTLE FILLER. CONNECT TO PLUMBING SERVICE OF THE REMOVED FIXTURE.
2. DISCHARGE 2" WASTE FROM DRINKING FOUNTAIN TO DRYWELL PER CIVIL PLAN.
3. DRYWELL PER CIVIL PLAN DETAIL.
4. CONNECT 3/4" CW TO 1" CW BELOW GRADE PER CIVIL PLAN.

DSA STAMP



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NO.	REMARKS	DATE

DRAWING STATUS	DATE
<input type="radio"/> DSA PLAN CHECK	
<input type="radio"/> DSA BACK CHECK	
<input type="radio"/> BIDDING	
<input type="radio"/> CONSTRUCTION	

KEY PLAN

WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

PROJECT STATUS

YOLO EDUCATION
CENTER
ESSR III
919 WESTACRE ROAD, WEST
SACRAMENTO, CA 95691

PLUMBING SITE PLAN

Date MM/DD/YYYY	Project Number 22048
Application Number XX-XXXXXX	Drawing Number
Drawn PP	Checked SO

P1.1

DESIGN CRITERIA		DESIGN VALUES	
BASE LOCATION LOCATED AT BOTTOM OF BASE PLATE/TOP OF FOOTING			
DESCRIPTION			
DEAD AND LIVE LOADS			
ROOF LIVE LOAD		20 PSF	
ROOF DEAD LOAD (SUPERIMPOSED ON FRAME)		5 PSF MAX	
ROOF PANEL DEAD LOAD		M=1.1 PSF, G=1.2 PSF, S=1.3 PSF	
COLLATERAL DEAD LOAD		M=3.9 PSF, G=3.8 PSF, S=3.7 PSF	
ROOF LIVE LOAD			
ROOF LIVE LOAD, L_r		20 PSF	
ROOF SNOW LOAD			
GROUND SNOW LOAD, P_g		20 PSF	
RISK CATEGORY		II	
ROOF SNOW LOAD: SLOPED, P_s		20 PSF	
FOR SNOW LOAD CONDITIONS ONLY - SITE APPLICATION REVIEWER SHALL VERIFY THE STRUCTURE SHALL BE LOCATED AT LEAST 20 FEET FROM ANY ADJACENT STRUCTURE FOR SNOW DRIFT.			
SNOW LOAD SLOPE FACTOR, C_e		1.0	
SNOW LOAD EXPOSURE FACTOR, C_e		1.0	
SNOW LOAD IMPORTANCE FACTOR, I_s		1.0	
THERMAL FACTOR, C_t		1.2	
LOWEST ANTICIPATED SERVICE TEMPERATURE		30	
WIND DESIGN			
BASIC WIND SPEED (3 SECOND GUST), V_{ult}, V_{asd}		100 MPH, 78 MPH	
RISK CATEGORY		II	
EXPOSURE CATEGORY		C	
FACTORS: K_d, K_{zt}, K_e		0.85, 1.0, 0.85	
$q_b = 0.00256 K_d K_{zt} K_e V^2$		18.50 PSF	
C_{dm} PER ASCE FIGURE 27.3-5 ROOF ANGLE 18.43 - CLEAR / OBSTRUCTED		CASE A (1.1 / -1.2) CASE B (0.01 / -0.69)	
C_{de} PER ASCE FIGURE 27.3-5 ROOF ANGLE 18.43 - CLEAR / OBSTRUCTED		CASE A (-0.17 / -1.09) CASE B (-0.96 / -1.65)	
C_{di} PER ASCE FIGURE 27.3-7 PARALLEL TO RIDGE - CLEAR / OBSTRUCTED (< h)		CASE A (-0.8 / -1.2) CASE B (0.8 / 0.5)	
C_{di} PER ASCE FIGURE 27.3-7 PARALLEL TO RIDGE - CLEAR / OBSTRUCTED (> h, < 2h)		CASE A (-0.6 / -0.9) CASE B (0.5 / 0.5)	
C_{di} PER ASCE FIGURE 27.3-7 PARALLEL TO RIDGE - CLEAR / OBSTRUCTED (> 2h)		CASE A (-0.3 / -0.6) CASE B (0.3 / 0.3)	
COMPONENTS & CLADDING - C_{df} (PRESSURE/SUCTION) CLEAR / OBSTRUCTED		ZONE 3 - (2.29 / -2.11) / (1.0 / -3.0)	
		ZONE 2 - (1.77 / -1.63) / (0.8 / -2.3)	
		ZONE 1 - (1.15 / -1.05) / (0.5 / -1.5)	
SEISMIC DESIGN			
LATERAL FORCE RESISTING SYSTEM		STEEL - ORDINARY CANTILEVER COLUMN	
ANALYSIS PROCEDURE		EQUIVALENT LATERAL FORCE	
SEISMIC IMPORTANCE FACTOR, I_e		1.0	
SEISMIC SITE CLASS		D	
WIDE, SPECTRAL RESPONSE ACCELERATION @ 0.2 s, S_{ds}		2.60	
WIDE, SPECTRAL RESPONSE ACCELERATION @ 0.2 s, S_1		0.90	
SHORT PERIOD SITE COEFFICIENT, F_a		1.20	
LONG PERIOD COEFFICIENT, F_v		1.70	
FUNDAMENTAL PERIOD OF THE STRUCTURE, T (WORST CASE FOR ALL STRUCTURES)		0.152 s	
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_{DS}		2.08 <input type="checkbox"/>	
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_{DS} - USED TO DETERMINE C_s (WITH CAP PER ASCE 7 12.8.1.3) SOIL PROPERTIES MAY NOT BE CLASSIFIED AS SITE CLASS E.		2.08 * 0.70 = 1.456 <input type="checkbox"/>	
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-s PERIODS, S_{D1}		1.02	
SEISMIC DESIGN CATEGORY		E	
SITE SPECIFIC RESPONSE ANALYSIS NOT REQUIRED PER ASCE 7 11.4.8 EXCEPTION 2		$T_b = 0.49$ s $T < 1.5 * T_b$	
RESPONSE MODIFICATION FACTOR, R		1.25	
OVERSTRENGTH FACTOR, Ω		1.25	
REDUNDANCY FACTOR, ρ		1.3	
HORIZONTAL OR VERTICAL IRREGULARITIES		NONE	
SEISMIC RESPONSE COEFFICIENT, C_s (20" WIDE, 30" WIDE, 40" WIDE)		1.16 1.00	
DESIGN BASE SHEAR, V (20" WIDE, 30" WIDE, 40" WIDE)		12.73 PSF [] 13.41 PSF [] 14.65 PSF []	
ALLOWABLE SOIL BEARING FOR FOUNDATIONS		VARIES - SEE FOUNDATION CHARTS	
FLOOD DESIGN - DESIGN IS ASSUMED TO NOT BE IN FLOOD HAZARD AREA			
IF PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED & SIGNED FROM A SOILS ENGINEER IS REQUIRED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED.			

STRUCTURAL SEPARATION

ALL DEFLECTIONS SHOWN ALSO INCLUDE THE P-DELTA ROTATION PER IIR PC-7

DEFLECTIONS ARE FOR (1) STRUCTURE
SOIL CLASSES PER CBC TABLE 1806A.2

MAXIMUM DRIFT	δ_{max}	SIDE COLUMNS	Soil Class 5	Soil Class 4	Soil Class 3
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.40	[] 2.55	[] 2.65
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.15	[] 2.30	[] 2.40
40' WIDE (8' EAVE + T, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.20	[] 2.20	[] 2.30
MINIMUM SEPARATION	$(\delta_m = C_d \delta_{max})$	$C_d = 1.25$			
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 3.00	[] 3.19	[] 3.31
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.69	[] 2.85	[] 3.00
40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.75	[] 2.75	[] 2.88

MAXIMUM DRIFT δ_{max}	END COLUMNS	Soil Class 5	Soil Class 4	Soil Class 3
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)		[] 2.40	[] 2.55	[] 2.65
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)		[] 2.15	[] 2.30	[] 2.40
40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)		[] 2.20	[] 2.20	[] 2.30
MINIMUM SEPARATION ($\delta_m = C_d \delta_{max}$) $C_d = 1.25$				
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)		[] 3.00	[] 3.19	[] 3.31
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)		[] 2.69	[] 2.88	[] 3.00
40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES)		[] 2.75	[] 2.75	[] 2.88

INSTRUCTIONS FOR ARCHITECTS SUBMITTING THESE PRE-CHECKED DRAWINGS TO DSA:
BEFORE SUBMITTING THESE PRE-CHECKED DRAWINGS FOR YOUR PROJECT, FOLLOW THE STEPS BELOW TO PROPERLY DEFINE THE APPROVED OPTIONS:

STEP 1: SELECT FRAME DIMENSIONS FOR YOUR PROJECT

- HIP STRUCTURES UP TO 20' WIDE USE THE "RH 20" BASE FRAME
- HIP STRUCTURES UP TO 30' WIDE USE THE "RH 30" BASE FRAME
- HIP STRUCTURES UP TO 40' WIDE USE THE "RH 40" BASE FRAME
- MAXIMUM WIDTH IS 40' (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE)
- THE 24', 44', 64', 84' AND 104' LENGTHS ARE SUGGESTED BECAUSE THEY ARE THE MOST COMMON (20' BAYS ARE THE MOST ECONOMIC)
- FRAME LENGTHS ASSUME 2' OVERHANGS (UNO BY ARCHITECT - 2' MAX DIMENSION)

STEP 1	FRAME DIMENSIONS										
	SUGGESTED								OTHER		
	FRAME WIDTH		[]	20"	[x]	30"	[]	40"		[]	(40" MAX)
	FRAME LENGTH		[]	44"	[x]	64"	[]	84"	[]	104"	[]

STEP 2: SELECT ROOF DECK FOR YOUR PROJECT

- "M" REPRESENTS MCELROY METAL "MULTI-RIB" ROOF PANEL
- "G" REPRESENTS MCELROY METAL "MEGA-RIB" ROOF PANEL
- "S" REPRESENTS MCELROY METAL "MEDALLION-LOK" 16" STANDING SEAM ROOF PANEL

STEP 2	ROOF PANEL		
	ROOF PANEL TYPE	<input type="checkbox"/> M	<input type="checkbox"/> G <input checked="" type="checkbox"/> S

STEP 3: IDENTIFY THE S_s ACCELERATION (g) FOR YOUR PROJECT

- S_s VALUE DETERMINES THE REQUIRED SEISMIC DESIGN FORCES
- S_s VALUE DEPENDS ON THE PROJECT'S GEOGRAPHICAL LOCATION (VALUES RANGE FROM 0.00 TO 3.73)
 - FIND S_s VALUES FOR YOUR PROJECT ON THE USGS WEBSITE (SEARCH INTERNET FOR "USGS SEISMIC DESIGN MAPS")

STEP 3	PROJECT SITE - S _s ACCELERATION (g)
	0.596

STEP 4: IDENTIFY THE S_8 REGION FOR YOUR PROJECT

- THE REGIONS ARE DEPENDANT ON THE S_8 VALUE DETERMINED IN STEP 3
- THE S_8 REGION DICTATES THE MAXIMUM DEAD LOAD PERMITTED ON THE FRAME

		Ss REGION		
STEP 4	DESCRIPTION	Ss REGIONS		MAX DEAD LOAD
		0 < Ss <= 2.14		5 PSF
		2.14 < Ss <= 2.50		0 PSF
		2.50 < Ss <= 2.60		4 PSF

STEP 5: - IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT

- THE ROOF DECK DEAD LOAD WILL ALWAYS BE INCLUDED
- THE COLLATERAL LOAD REPRESENTS ADDITIONAL LOAD THAT CAN BE SUPPORTED BY THE FRAME
- BE SURE THE TOTAL ROOF DEAD LOAD FOR YOUR PROJECT IS LESS THAN OR EQUAL TO THE MAXIMUM DEAD LOAD SHOWN IN STEP 4 FOR YOUR S_{ds} VALUE
- S_{ds} VALUE USED IN CALCULATION IS THE CAPPED S_{ds} (SEE DESIGN CRITERIA)

		TOTAL ROOF DEAD LOAD	
		DEAD LOAD	EXAMPLES
STEP 5	ROOF DECK	1.3 PSF	M=1.1PSF; G=2.1PSF ;S=1.3PSF (SEE STEP 2)
	COLLATERAL	0 PSF	LIGHTNING,FIRE SUPPRESSION,SOLAR PANELS,ETC
	TOTAL	1.3 PSF	ADD ROOF DECK AND COLLATERAL LOADS (MAX 5 PSF)

STEP 6: IDENTIFY THE FOUNDATION REQUIREMENTS FOR YOUR PROJECT

- IDENTIFY SOIL CLASS FOR PROJECT SITE PER SITE SPECIFIC SOIL CONDITIONS
- USE THIS TO SELECT CORRECT FOUNDATION SIZE ON FOUNDATION SHEET

- USE THIS TO SELECT CORRECT FOUNDATION SIZE AND REQUIREMENTS				
FOUNDATION TYPE	[X] GEOTECHNICAL REPORT NOT REQUIRED		[] GEOTECHNICAL REPORT REQUIRED	
	SOIL CLASS 5 (BEARING) 1500 PSF [X]	SOIL CLASS 4 (BEARING) 2000 PSF []	SOIL CLASS 3 (BEARING) 3000 PSF []	
	SOIL CLASS 5 (LATERAL BEARING) 200 PSF/FT	SOIL CLASS 5 (LATERAL BEARING) 300 PSF/FT	SOIL CLASS 5 (LATERAL BEARING) 400 PSF/FT	
	COHESION 130 PSF	FRICITION COEFFICIENT 0.25	FRICITION COEFFICIENT 0.30	

- SELECT AND VERIFY MINIMUM SEPARATION DISTANCE BETWEEN STRUCTURES

STEP 7: SELECT MISCELLANEOUS OPTIONS FOR YOUR PROJECT

- MAXIMUM CLEAR HEIGHT IS 12'-0"; (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE)
- MARK UP PC DRAWINGS WITH SIZE AND LOCATION OF CUTOUTS BEFORE SUBMITTING TO D

STEP 7	MISCELLANEOUS		
		DESIGN OPTIONS	
	CLEAR HEIGHT	[] 8' x	[] 12' MAX
	ELECTRICAL CUTOUTS	[] YES	[X] NO
	GUTTERS	[X] YES	[] NO

STEP 8: SELECT APPLICABLE SHEET INDEX FOR YOUR PROJECT

- REFERENCE THE BASE FRAME (STEP 1) AND THE ROOF PANEL TYPE (STEP 2)
- IDENTIFY THE APPLICABLE SHEET INDEX

[illegible]

STEP 9: INCLUDE APPLICABLE SHEETS WITH YOUR DSA SUBMITTAL
-INCLUDE 'MISC DESIGN OPTIONS' SHEET FOR PROJECTS WITHOUT ELECTRICAL CUTOUTS OR GUTTERS

STEP 10: IDENTIFY PROJECT NAME AND LOCATION	
PROJECT NAME:	SCHOOL DISTRICT:
YOLO EDUCATION CENTER	WASHINGTON UNIFIED SCHOOL DISTRICT

STEP 11: CROSS OUT EXAMPLE 103 FORMS & INCORPORATE REQUIRED SPECIAL INSPECTIONS 103 FORMS THAT ARE PROJECT SPECIFIC

	<p>SITE SPECIFIC PARAMETERS</p> <p>INSTRUCTIONS: DESIGN PROFESSIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE</p>
	<p>SNOW</p> <p>$P_g = \underline{0} \text{ _psf}$</p> <p>$P_f = \underline{0} \text{ _psf}$</p> <p>$C_e = \underline{0} \text{ _psf}$</p>
	<p>WIND</p> <p>$V = \underline{95} \text{ _mph} < XX \text{ mph}$</p> <p>$K_{zt} = \underline{1.0} \text{ _C1}$</p> <p>EXPOSURE: C <input checked="" type="checkbox"/> X <input type="checkbox"/> D <input type="checkbox"/></p>
	<p>SEISMIC</p> <p><input checked="" type="checkbox"/> DESIGN BASED ON SITE CLASS D NO GEOTECHNICAL INVESTIGATION REQUIRED</p> <p>$S_s = \underline{0.596}$ $F_a = 1.2$</p>
SELECT ONE	<p><input type="checkbox"/> DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16 GEOTECHNICAL INVESTIGATION PROVIDED</p> <p>SITE CLASS: C <input type="checkbox"/> D <input checked="" type="checkbox"/> E <input type="checkbox"/></p> <p>$S_s = \underline{\hspace{2cm}}$ $F_a = \underline{\hspace{2cm}}$ PER ASCE 7-16, SUPPL. 3, TABLE 11.4-1</p>
	<p><input type="checkbox"/> DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16</p> <p>SHORT-TERMD DESIGN SPECTRAL RESPONSE PARAMETER, S_{ds}, SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION</p> <p>CDS APPROVAL REQUIRED NOT ELEGIBLE FOR OTC REVIEW</p> <p>SITE CLASS: C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/></p>
	<p>$S_{ds} = F_a S_s = \underline{0.596} \text{ (} S_{ds} = 2.08 \text{ USED IN DESIGN, CONSERVATIVE)}$</p> <p><input type="checkbox"/> SITE CLASS C or D $0.7 < S_{ds} < 0.7 \text{ _CXX}$</p> <p><input type="checkbox"/> SITE CLASS E $S_{ds} = \underline{\hspace{2cm}} < XXX$</p> <p>$C_s = \underline{1.00}$ USED IN DESIGN</p> <p>SEISMIC DESIGN CATEGORY D <input checked="" type="checkbox"/> X <input type="checkbox"/> E <input type="checkbox"/></p> <p>*SITE SPECIFIC S_{ds} VALUE BEFORE APPLYING REDUCTION ALLOWED BY ASCE 7 SECTION 12.8.1.3</p>

ABBREVIATIONS:			
ACI	AMERICAN CONCRETE INSTITUTE	MPH	MILES PER HOUR
ASCM	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	M	MILN-RBR ROOF PANEL (MCELROY)
AISC	ASSEMBLY (INTERNAL REFERENCE)	NT	NOT TO SCALE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATLS	NO	NUMBER
AWS	AMERICAN WELDING SOCIETY	OC	ON CENTER
C.B.C.	CALIFORNIA BUILDING CODE	OSHA	OCCUPATIONAL HEALTH AND SAFETY ADMIN
CJP	COMPLETE JOINT PENETRATION	PCF	POUNDS PER CUBIC FOOT
CLR	CLEAR	PJ	PRETENSIONED JOINT
DEG	DEGREE	PLCS	PLACES
DIA	DIAMETER	PLT	PLATE
DM	DIMENSION	PSF	POUNDS PER SQUARE FOOT
DSA	DIVISION OF THE STATE ARCHITECT	PSI	POUNDS PER SQUARE INCH
EQ	EQUAL	QTY	QUANTITY
FT	FEET	REF	REFERENCE
GA	GAGE	SQ	SQUARE
IN	INCHES	SS	STANDING SEAM ROOF PANEL (MCELROY)
K/S	KIPS PER SQUARE INCH	TYP	TYPICAL
MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
MIN	MINIMUM	USGS	U.S. GEOLOGICAL A SURVEY
MISC	MISCELLANEOUS	W/	WITH

ARCHITECTURAL REQUIREMENTS		
DESCRIPTION	DESIGN VALUES	
TYPE OF CONSTRUCTION	II-B	
OCCUPANCY CLASSIFICATION	A-3	
NUMBER OF STORIES	1	
FIRE SPRINKLER SYSTEM	NOT BY ICON/WEIGHT NOT INCLUDED IN DESIGN	
MOST COMMON RH20 MIN/MAX SQ.FT (SEE STEP 1)	480/2,080	
MOST COMMON RH30 MIN/MAX SQ.FT (SEE STEP 1)	720/3,120	
MOST COMMON RH40 MIN/MAX SQ.FT (SEE STEP 1)	960/4,160	
AREA OVER 4000 SQ.FT REQUIRES GEOHAZARD REPORT ALLOWABLE ARE FOR II-B / A-3 IS 9500 SQ.FT		

RELATED BUILDING CODES AND STANDARDS

TITLE 24 CODES:	
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC).....	(PART 1, TITLE 24, CCR)
2022 CALIFORNIA BUILDING CODE (CBC).PART 2, TITLE 24, CCR	
2022 CALIFORNIA ELECTRICAL CODE (CEC).....	(PART 3, TITLE 24, CCR)
2022 CALIFORNIA MECHANICAL CODE (CMC).....	(PART 4, TITLE 24, CCR)
2022 CALIFORNIA PLUMBING CODE (CPC).....	(PART 5, TITLE 24, CCR)
2022 CALIFORNIA ENERGY CODE.....	(PART 6, TITLE 24, CCR)
2022 CALIFORNIA FIRE CODE (CFC).....	(PART 9, TITLE 24, CCR)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE.....	(PART 11, TITLE 24, CCR)
2022 CALIFORNIA REFERENCE STANDARDS CODE.....	(PART 12, TITLE 24, CCR)
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS	

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:
2022 CBC, CHAPTER 35
2022 CFC, CHAPTER 80

SCOPE OF WORK NARRATIVE

THESE DRAWINGS ILLUSTRATE THE FABRICATION AND INSTALLATION REQUIREMENTS FOR A FREE-STANDING PREFABRICATED STEEL SHADE STRUCTURE. THE ENTIRE STRUCTURAL SYSTEM IS COMPRISED OF HOLLOW STRUCTURAL STEEL MEMBERS SUPPORTED BY CONCRETE FOUNDATIONS. THE FLEXIBILITY INCLUDED HEREIN ALLOWS THE STRUCTURE TO COMPLY WITH A WIDE VARIETY OF PROJECT SITES AND LOADING REQUIREMENTS.

GENERAL:

1. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS AND NOTES ON OTHER SHEETS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER FOR THIS PROJECT.
2. WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE CBC, C.A.C. TITLE 24, AND ALL STATE AND FEDERAL REGULATIONS.
3. OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
5. THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO, BRACING, TEMPORARY SUPPORTS, AND SHORING. OBSERVATION VISIT TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONSTRUCTION AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER, WHETHER OF MATERIAL OR WORK, ARE FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONSTRUCTION.
6. ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS, EXCEPT AS AMENDED BY CBC CHAPTER 35.
7. CONFORM TO APPLICABLE CALIFORNIA CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ARCHITECT/ENGINEER OR OWNER.
8. THE ENGINEER AND THEIR CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, HANDLING, REMOVAL OR DISPOSAL OF HAZARDOUS MATERIALS AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
9. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, OR IF A CHANGE IN THE SCOPE OF WORK IS PROPOSED, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED CHANGE(S) SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
10. THE SCHOOL DISTRICT INSPECTOR ON RECORD SHALL INSPECT AND APPROVE THE ERECTED FRAME PRIOR TO ROOF INSTALLATION.
11. SEE REQUIREMENTS FOR LOCATION IN ANY FIRE HAZARD SEVERITY ZONE FOR WILDLAND URBAN INTERFACE AREAS (WUI) AS SPECIFIED IN THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE. PROVIDE PROTECTION AND DETAILS OF ALL AREAS COMPLYING WITH THE WUI REQUIREMENTS.
12. LOCATING THIS STRUCTURE CLOSER THAN 20 FEET TO OTHER STRUCTURES MAY AFFECT THE ALLOWABLE AREA FOR THE EXISTING CONSTRUCTION PER THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE.
13. VIEWS AND DETAILS ARE NOT DRAWN TO SCALE (UNLESS NOTED OTHERWISE). DO NOT SCALE THESE DRAWINGS.

STRUCTURAL AND MISCELLANEOUS STEEL:

1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL REFERENCED BY THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
2. PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 KSI, GRADE B OR A501 UNLESS NOTED OTHERWISE.
3. STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A-500, GRADE B (OR C), Fy = 46 KSI, MIN.
4. IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESS CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE DRAWINGS (MAXIMUM INCREASE OF 1/8").
5. ALL CHANNELS, ANGLES, AND MISC. STEEL SHALL CONFORM TO ASTM A-36, Fy = 36 KSI.
6. ALL PLATE STEEL SHALL CONFORM TO ASTM A-572, Fy= 50 KSI.
7. ALL COLD FORM STEEL SHALL CONFORM TO ASTM A-653, CS = TYPE B, Fy = 50 KSI Fu = 65 KSI
8. STRUCTURAL STEEL AND DECK SHALL BE IDENTIFIED FOR CONFORMITY PER CBC 2202A.1.
9. ALL ROOF DECKS SHALL HAVE KYNAR 500 METAL COATING.
10. ALL ROOF DECKS SHALL CONFORM TO ASTM A-792, Fy = 50 KSI.
11. ALL BASE CONNECTIONS ARE A PART OF THE LATERAL FORCE RESISTING SYSTEM

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY

1. PER TITLE 24, PART 1, SECTION 4-316(a) OF THE CALIFORNIA CODE OF REGULATIONS, THIS NOTICE SHALL BE GIVEN TO DSA PRIOR TO THE APPROVAL OF PLANS AND SPECIFICATIONS.
2. FOR THE SITE SPECIFIC PROJECT, J. R. MILLER & ASSOCIATES IS NOT THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
3. FOR THE SITE SPECIFIC PROJECT, J.R. MILLER & ASSOCIATES' RESPONSIBILITY IS LIMITED TO THE PREPARATION OF THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC ONLY.
4. STRUCTURAL OBSERVATION OF CONSTRUCTION IS SPECIFICALLY EXCLUDED FROM J.R. MILLER & ASSOCIATES' RESPONSIBILITY FOR THE SITE SPECIFIC PROJECT.
5. ALL CONSTRUCTION ACTIVITIES RELATED TO STRUCTURAL ENGINEERING SHALL BE DELEGATED TO A QUALIFIED ENGINEER BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, STRUCTURAL OBSERVATION OF CONSTRUCTION, REVIEW OF INSPECTION REPORTS, AND SIGNING OFF OF THE VERIFIED REPORT FOR COMPLETED WORK.
6. J.R. MILLER & ASSOCIATES WILL BE RESPONSIBLE FOR RESPONDING TO QUESTIONS PERTAINING TO THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC WHICH ARISE DURING PLAN REVIEW AND CONSTRUCTION.

CONSTRUCTION NOTES

1. A DSA-CERTIFIED CLASS 3 (MINIMUM) PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
5. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS ARE THAT ALL 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)
6. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES

WELDING:

1. ALL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA.
2. ALL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WITH E70XX ELECTRODES. FLUX CORE ARC WELD SHALL CONFORM TO CHARPY NOTCH TOUGHNESS RATING OF 20 FT-LB-IP (0' F).
3. ALL WELDING SHALL BE DONE IN THE SHOP WITH REQUIRED INSPECTION, PRE-APPROVED BY DSA, TO ENSURE PROPER MATERIAL ID AND WELDING.
4. WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION OF COMPLIANCE WITH CODE AND SPECIFICATIONS.

BOLTING:

1. ALL BOLTS SHOWN ON THESE DRAWINGS ARE HOT DIPPED GALVANIZED ASTM F3125 GRADE A325 HIGH STRENGTH BOLTS (UNF), WITH THE NUTS CONFORMING TO HOT DIPPED GALVANIZED ASTM A-563 GRADE DH.
2. HIGH STRENGTH BOLTS SHALL BE VERIFIED AND INSPECTED PER CBC 1705A2.1.
3. BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS – INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING SOME OF THE BOLTS AND NUTS MAY BE REQUIRED.
4. HARDENED STEEL WASHERS SHALL CONFORM TO ASTM F-436.
5. THE BOLTING INSTALLATION REQUIREMENTS OUTLINED BELOW ARE CRITICAL TO THE STRUCTURE'S DESIGN AND PERFORMANCE. THE INSTALLER IS REQUIRED TO COORDINATE THIS PHASE OF CONSTRUCTION WITH THE SPECIAL BOLTING INSPECTOR AND THE INSPECTOR OF RECORD PRIOR TO THE ERECTION OF THE FRAME.
BE INSTALLED AND INSPECTED PER THE APPLICABLE VERSION OF AISC'S
USING HIGH-STRENGTH BOLTS; CBC 1705A2.1; AISC 341-16 (F); AISC 360-16 NS6.
A) PRETENSIONED JOINTS MUST BE INSTALLED AND INSPECTED TO MEET ONE OF THE FOLLOWING REQUIREMENTS:
 1. TURN-OF-NUT PRETENSIONING: PER SECTION 8.2.1 OF THE SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS, WASHERS ARE NOT REQUIRED FOR THIS METHOD. THE NUT OR HEAD SHALL BE ROTATED AS SPECIFIED IN TABLE 8.2. THE PART NOT TURNED SHALL BE PREVENTED FROM ROTATING.
 2. CALIBRATED WRENCH: PER THE SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS, WASHERS ARE REQUIRED (NOT SUPPLIED BY KCM) THESE SHALL BE INSTALLED PER THE INSTALLATION TORQUE DETERMINED IN THE PRE-INSTALLATION VERIFICATION OF THE FASTENER ASSEMBLY PER SECTION 7. THE PART NOT TURNED SHALL BE PREVENTED FROM ROTATING.
 3. IDENTIFIED ON THE FRAME CONNECTION DETAILS WITH "PT REQUIRED"
- B) ALL OTHER JOINTS MUST BE INSTALLED AND INSPECTED TO MEET THE REQUIREMENTS OF THE SHUCK-TIGHTENED JOINTS. SHUCK TIGHT CONDITION EXISTS WHEN ALL PILES IN A CONNECTION HAVE BEEN PULLED INTO FIRM CONTACT BY THE BOLTS IN THE JOINT AND ALL OF THE BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO PREVENT REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.

FOUNDATIONS:

1. ALLOWABLE SOIL PRESSURES ASSUME CLASS 5 SOIL CLASSIFICATION PER CBC TABLE 1806A, UNLESS NOTED OTHERWISE. PASSIVE PRESSURE IS ASSUMED TO START 12" BELOW TOP OF FOOTING.
2. PER CBC SECTION 1803A.2, GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS; ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2.
3. FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D-1557 OR AS RECOMMENDED BY THE GEO-TECH ENGINEER. FLOODING NOT PERMITTED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, ETC. NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE.
5. MINIMUM SETBACK FROM TOE OF SLOPE ON AN ASCENDING SLOPE SHALL BE 15 FEET AND MINIMUM SETBACK FROM TOE OF SLOPE ON A DESCENDING SLOPE SHALL BE 40 FEET
6. PER CBC SECTION 1803A.6, GEOHAZARD REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS.
7. GEOHAZARD REPORTS ARE TO COMPLY WITH DSA IR A-4 PER IR-7 SECTION 1.8
8. SITE SPECIFIC GEOTECHNICAL REPORT IS REQUIRED AT THE TIME OF SITE APPLICATION IF USING OTHER THAN CLASS 5 SOIL PER DSA IR PC-7.
9. LATERAL BEARING HAS BEEN INCREASED PER CBC 1806A.3.4 FOR THE 1/2" DEFLECTION & HAS BEEN DESIGNED FOR P-DELTA EFFECTS. NO 1/3 INCREASE HAS BEEN APPLIED.
10. MINIMUM CLEARANCE BETWEEN PIERS SHALL BE 8'-0".

CONCRETE:

1. MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE)

STRENGTH Pci (28 DAYS)	W/C RATIO (NON-AIR ENTRAINMENT)	W/C RATIO (AIR ENTRAINMENT)	SUMP (ft)	UNIT WEIGHT (NORMAL WEIGHT)
5000 PSI	0.44	0.35	3'	150 PCF

2. CONCRETE MIX DESIGN PARAMETERS ARE GOOD FOR EXPOSURE CATEGORIES F0, F1 & F2. THE AIR ENTRAINMENT FOR THESE CATEGORIES SHALL BE AS FOLLOWS: F0-0, F1-4.5, F2-6.
3. CHANGES TO THE MIX DESIGN MUST BE APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD AND DSA.
4. AGGREGATES SHALL CONFORM TO THE ASTM C-33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.005. MAX AGGREGATE SIZE = 1".
5. CEMENT SHALL CONFORM TO ASTM C-150 (TYPE V) UNLESS NOTED OTHERWISE ON THE DRAWINGS.
6. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ALTERNATE METHODS WILL BE APPROVED IF SATISFACTORY PERFORMANCE CAN BE ASSURED.
7. CONCRETE SHALL NOT FREE FALL MORE THAN FIVE FEET.
8. CONCRETE DURABILITY SHALL BE PER CBC 1904A.1, ACI 318-19, CHAPTER 19.
9. CONCRETE SHALL BE TESTED PER CBC 1903A, TABLE 1705A.3, AND ACI 318-19, SECTION 26.12.
10. NO ADMIXTURE SHALL CONTAIN CALCIUM CHLORIDE.

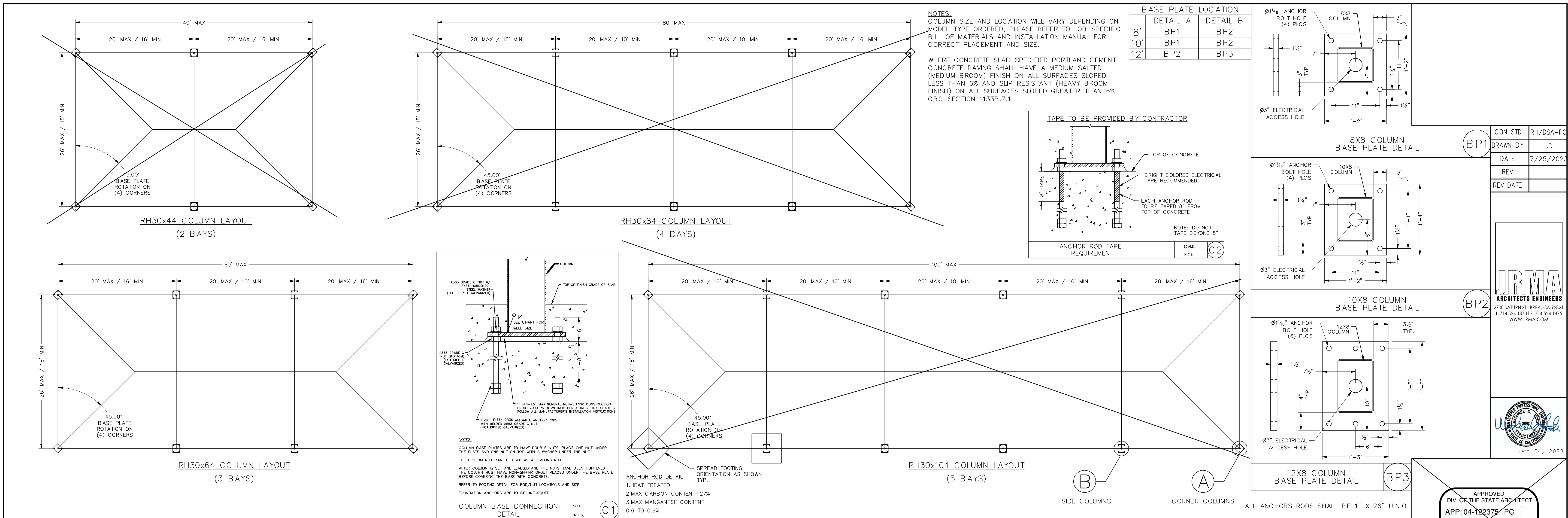
REINFORCING STEEL:

1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A-615, AS FOLLOWS:
 - OR 60: (#4 BARS AND LARGER)
 - OR 40: (#3 BARS)
2. DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES."
3. MIN. COVER FOR CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
 - A. CAST AGAINST EARTH3"
 - B. CAST AGAINST FORM BELOW GRADE2"
 - C. FORMED SLABS (#11 BAR & SMALLER).....3/4"
 - D. SLABS ON GRADE (FROM TOP OF SLAB).....1"
4. BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE COLD.
5. REINFORCING SHALL BE LAP SPLICED PER ACI 318-19, SECTION 25.5.
6. PRIOR TO PLACING OF CONCRETE, REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE WELL SECURED IN POSITION.
7. WELDING OF REINFORCING IS NOT ALLOWED.
8. REINFORCING STEEL SHALL BE INSPECTED PER CBC 1705A.3.

POWDER-COAT FINISH SYSTEM:

ALL BUILDINGS THAT HAVE A POWDER-COATED FINISH SHALL MEET THE FOLLOWING SPECIFICATIONS:

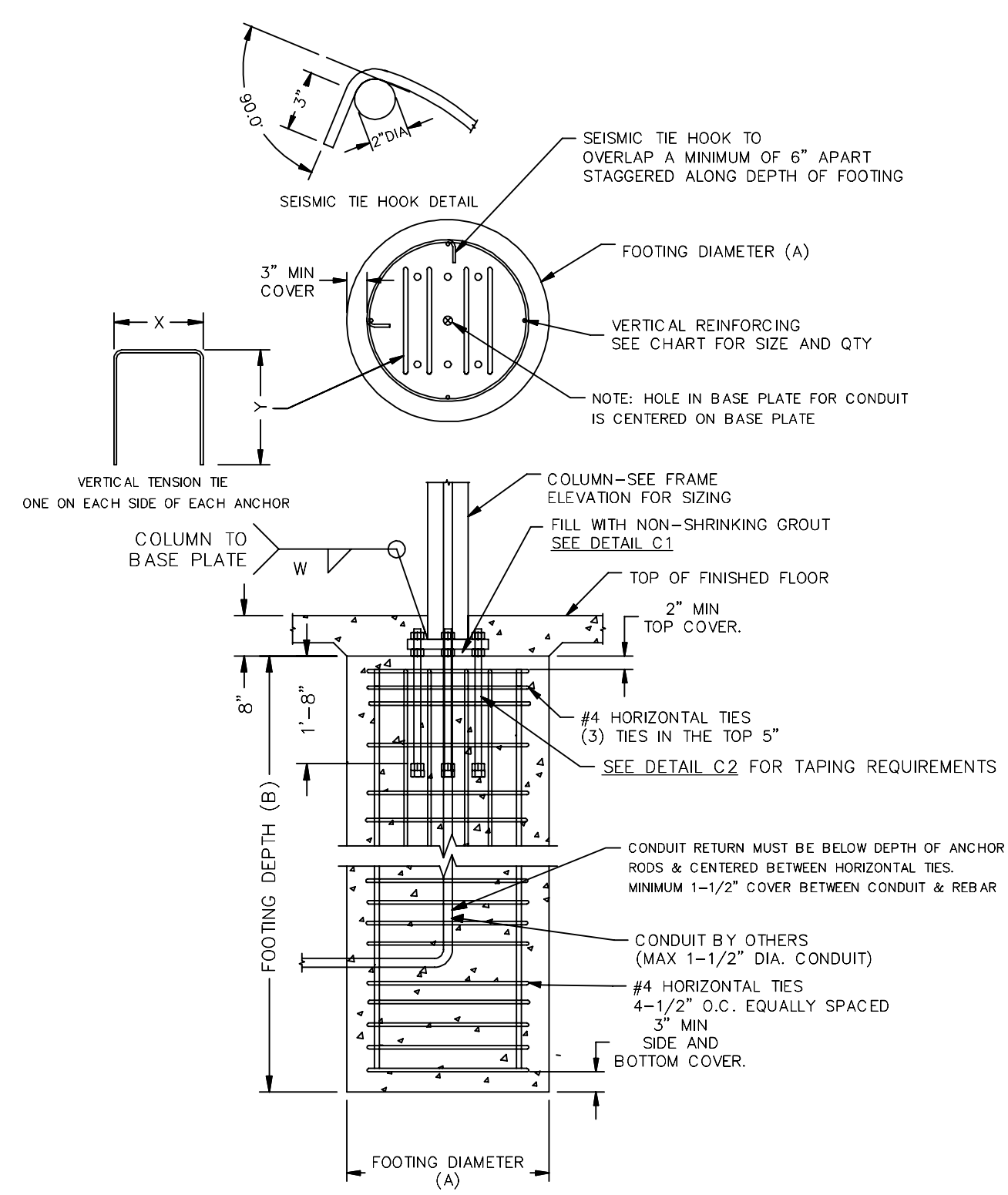
1. THE STEEL FRAME (HSS SECTIONS, COLD FORMED & PLATE STEEL) SHALL BE SHOT-BLASTED TO A NEAR WHITE CONDITION PER SSPC-10 SPECIFICATIONS.
2. THE STEEL SHALL BE WASHED IN A ZINC PHOSPHATE IN AN MINIMUM THREE STAGE ELECTRO DEPOSITION PRE-TREATMENT PROCESS.
3. IMMEDIATELY FOLLOWING PRE-TREATMENT THE STEEL SHALL BE TOTALLY COATED IN AN EPOXY PRIMER TO A UNIFORM THICKNESS OF A MINIMUM OF 0.7 TO 0.9 MILS. THE E-COATING SHALL PROVIDE A MINIMUM OF 1000 HOURS OF SALT SPRAY CORROSION PROTECTION TO THE STEEL.
4. THE STEEL SHALL THEN HAVE A IGC POLYESTER COLOR COAT APPLIED OVER THE E-COATED SURFACE.
5. THE FINISH THICKNESS OF THESE APPLICATIONS SHALL BE A MINIMUM OF 8 TO 12 MILS.
6. ALL CARBON STEEL MEMBERS (COLUMNS, BEAMS, PLATES, & COLD FORMED STEEL ETC.) NOT POWDER-COATED SHALL BE PAINTED WITH PRIME COAT PER THE "AISC CODE OF STANDARD PRACTICE" AND THE "AISC SPECIFICATION SECTION M3" UNLESS NOTED OTHERWISE).



30' WIDE RECTANGULAR HIP

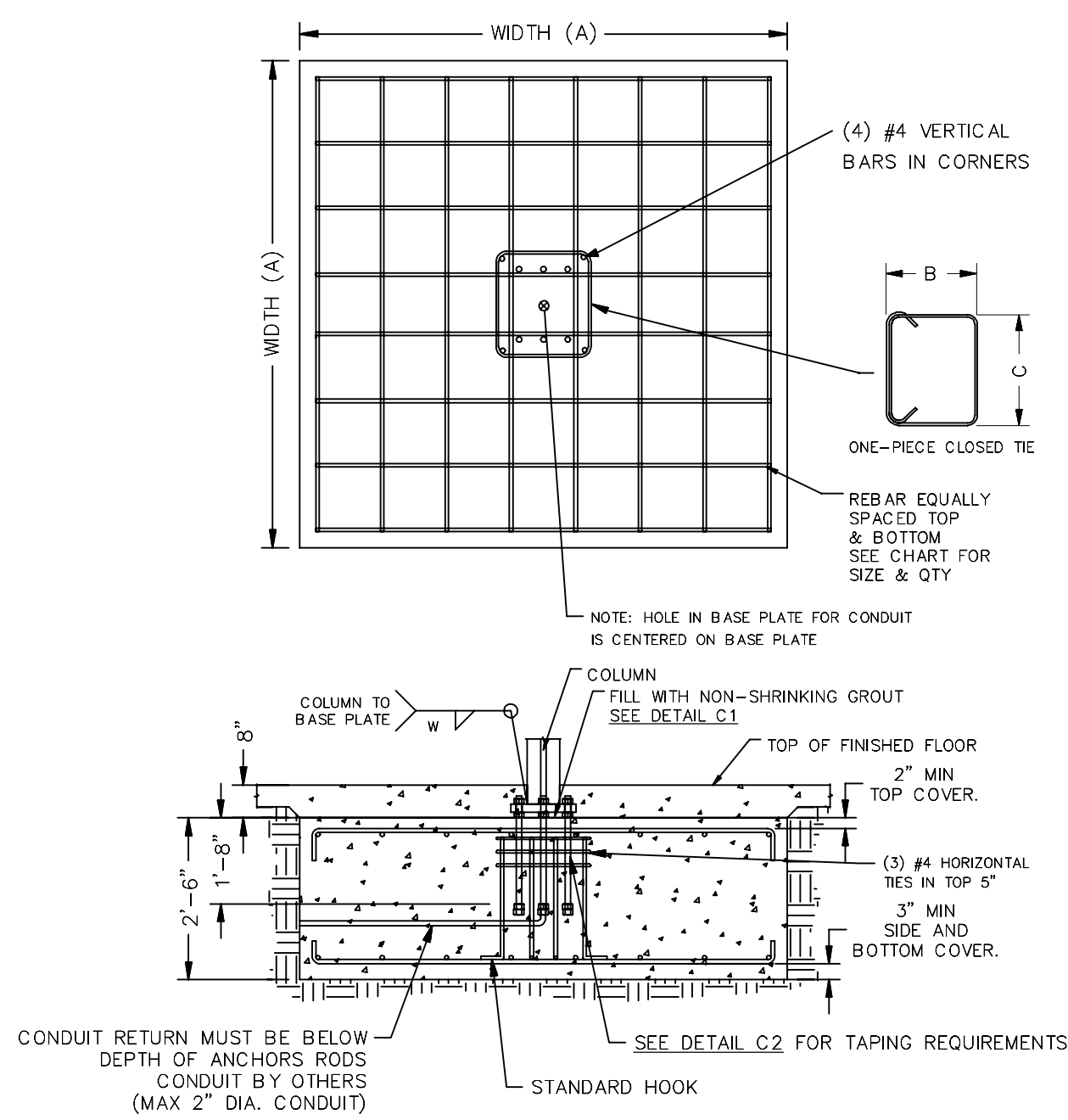
#H240 - PIER											
8' height - Corner Columns				8' height - Corner Columns				8' height - Corner Columns			
Soil Class = 1-100 psf Bearing				Soil Class = 2-200 psf Bearing				Soil Class = 3-300 psf Bearing			
Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size
36	10	12	6	36	10	12	6	36	10	12	6
36	11.4	8	6	36	12.8	8	6	36	14.2	8	6
8' height - Side Columns				8' height - Side Columns				8' height - Side Columns			
Soil Class = 1-100 psf Bearing				Soil Class = 2-200 psf Bearing				Soil Class = 3-300 psf Bearing			
Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size
36	10	12	6	36	10	12	6	36	10	12	6
36	11.4	8	6	36	12.8	8	6	36	14.2	8	6
8' Eave - 1500 psf []				8' Eave - 2000 psf []				8' Eave - 3000 psf []			
Rebar Dimensions: World Fillet Weld "W"				Rebar Dimensions: World Fillet Weld "W"				Rebar Dimensions: World Fillet Weld "W"			
X (in)	Y (in)	Rebar Size	Weld	X (in)	Y (in)	Rebar Size	Weld	X (in)	Y (in)	Rebar Size	Weld
12	47	6	1/4	12	47	6	1/4	12	47	6	1/4
#H240 - PIER											
10' height - Corner Columns				10' height - Corner Columns				10' height - Corner Columns			
Soil Class = 1-100 psf Bearing				Soil Class = 2-200 psf Bearing				Soil Class = 3-300 psf Bearing			
Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size
36	10	12	6	36	10	12	6	36	10	12	6
36	11.4	8	6	36	12.8	8	6	36	14.2	8	6
10' height - Side Columns				10' height - Side Columns				10' height - Side Columns			
Soil Class = 1-100 psf Bearing				Soil Class = 2-200 psf Bearing				Soil Class = 3-300 psf Bearing			
Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size
36	10	12	6	36	10	12	6	36	10	12	6
36	11.4	8	6	36	12.8	8	6	36	14.2	8	6
10' Eave - 1500 psf []				10' Eave - 2000 psf []				10' Eave - 3000 psf []			
Rebar Dimensions: World Fillet Weld "W"				Rebar Dimensions: World Fillet Weld "W"				Rebar Dimensions: World Fillet Weld "W"			
X (in)	Y (in)	Rebar Size	Weld	X (in)	Y (in)	Rebar Size	Weld	X (in)	Y (in)	Rebar Size	Weld
12	47	6	1/4	12	47	6	1/4	12	47	6	1/4
#H240 - PIER											
12' height - Corner Columns				12' height - Corner Columns				12' height - Corner Columns			
Soil Class = 1-100 psf Bearing				Soil Class = 2-200 psf Bearing				Soil Class = 3-300 psf Bearing			
Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size
36	10	12	6	36	10	12	6	36	10	12	6
36	11.4	8	6	36	12.8	8	6	36	14.2	8	6
12' height - Side Columns				12' height - Side Columns				12' height - Side Columns			
Soil Class = 1-100 psf Bearing				Soil Class = 2-200 psf Bearing				Soil Class = 3-300 psf Bearing			
Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size	Dia (in)	Depth (ft)	Vertical Rebar (in)	Rebar Size
36	10	12	6	36	10	12	6	36	10	12	6
36	11.4	8	6	36	12.8	8	6	36	14.2	8	6
12' Eave - 1500 psf []				12' Eave - 2000 psf []				12' Eave - 3000 psf []			
Rebar Dimensions: World Fillet Weld "W"				Rebar Dimensions: World Fillet Weld "W"				Rebar Dimensions: World Fillet Weld "W"			
X (in)	Y (in)	Rebar Size	Weld	X (in)	Y (in)	Rebar Size	Weld	X (in)	Y (in)	Rebar Size	Weld
12	59	7	1/4	12	59	7	1/4	12	59	7	1/4

SEE DETAILS BP1, BP2 OR BP3 FOR ANCHOR BOLT PATTERNS
BP1 & BP2 ARE (4) BOLT PATTERN WHILE B3 IS A (6) BOLT




#H40 - SPREAD																			
8" Height - Corner Columns					8" Height - Corner Columns					8" Height - Corner Columns					8" Corner Columns				
Soil Class 5 - 1500 psf Bearing					Soil Class 4 - 2000 psf Bearing					Soil Class 5 - 3000 psf Bearing					Soil Class 5 - 3000 psf Bearing				
Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	8 (in)	C (in)	Rebar	Rebar	World Fillet
Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	16	17.5	Qty	Qty	1/4"
60	60	10			60	60	10			60	60	10							
8" Height - Side Columns					8" Height - Side Columns					8" Height - Side Columns					8" Side Columns				
Soil Class 5 - 1500 psf Bearing					Soil Class 4 - 2000 psf Bearing					Soil Class 5 - 3000 psf Bearing					In Dimensions				
Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	8 (in)	C (in)	Rebar	Rebar	World Fillet
Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	16	19	Qty	Qty	1/4"
84	84	10			84	84	10			84	84	10							
8" Eave - 1500 psf					8" Eave - 2000 psf					8" Eave - 3000 psf					8" Eave - Rebar & Weld				
Soil Class 5 - 1500 psf Bearing					Soil Class 4 - 2000 psf Bearing					Soil Class 5 - 3000 psf Bearing					In Dimensions				
Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	8 (in)	C (in)	Rebar	Rebar	World Fillet
Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	16	17.5	Qty	Qty	1/4"
66	66	10			66	66	10			66	66	10							
10" Height - Corner Columns					10" Height - Corner Columns					10" Height - Corner Columns					10" Corner Columns				
Soil Class 5 - 1500 psf Bearing					Soil Class 4 - 2000 psf Bearing					Soil Class 5 - 3000 psf Bearing					In Dimensions				
Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	8 (in)	C (in)	Rebar	Rebar	World Fillet
Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	16	17.5	Qty	Qty	1/4"
66	66	10			66	66	10			66	66	10							
10" Height - Side Columns					10" Height - Side Columns					10" Height - Side Columns					10" Side Columns				
Soil Class 5 - 1500 psf Bearing					Soil Class 4 - 2000 psf Bearing					Soil Class 5 - 3000 psf Bearing					In Dimensions				
Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	8 (in)	C (in)	Rebar	Rebar	World Fillet
Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	16	19	Qty	Qty	1/4"
81	81	10			81	81	10			81	81	10							
10 Eave - 1500 psf					10 Eave - 2000 psf					10 Eave - 3000 psf					10 Eave - Rebar & Weld				
Soil Class 5 - 1500 psf Bearing					Soil Class 4 - 2000 psf Bearing					Soil Class 5 - 3000 psf Bearing					In Dimensions				
Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	8 (in)	C (in)	Rebar	Rebar	World Fillet
Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	16	19	Qty	Qty	1/4"
78	78	10			78	78	10			78	78	10							
12" Height - Corner Columns					12" Height - Corner Columns					12" Height - Corner Columns					12" Corner Columns				
Soil Class 5 - 1500 psf Bearing					Soil Class 4 - 2000 psf Bearing					Soil Class 5 - 3000 psf Bearing					In Dimensions				
Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	8 (in)	C (in)	Rebar	Rebar	World Fillet
Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	16	19.5	Qty	Qty	1/4"
84	84	10			84	84	10			84	84	10							
12 Eave - 1500 psf					12 Eave - 2000 psf					12 Eave - 3000 psf					12 Eave - Rebar & Weld				
Soil Class 5 - 1500 psf Bearing					Soil Class 4 - 2000 psf Bearing					Soil Class 5 - 3000 psf Bearing					In Dimensions				
Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	Size (in)	16	18	Rebar	Rebar	8 (in)	C (in)	Rebar	Rebar	World Fillet
Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	Depth (in)	10	8	Qty	Qty	16	21.5	Qty	Qty	1/4"
84	84	10			84	84	10			84	84	10							

SEE DETAILS BP1, BP2 OR BP3 FOR ANCHOR BOLT PATTERNS
BP1 & BP2 ARE (4) BOLT PATTERN WHILE BP3 IS A (6) BOLT



30' WIDE
RECTANGULAR HIP
FOUNDATION PLAN

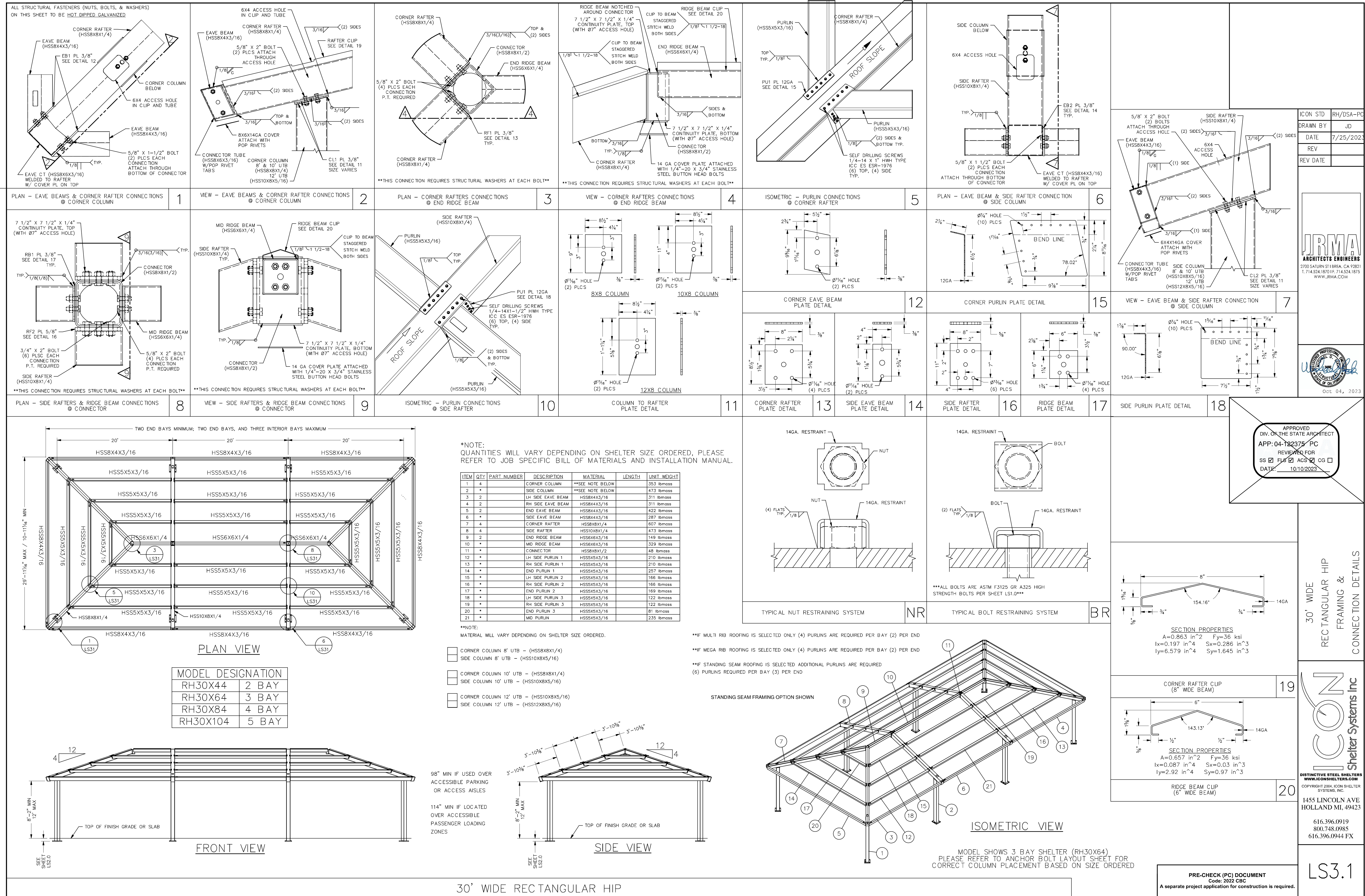


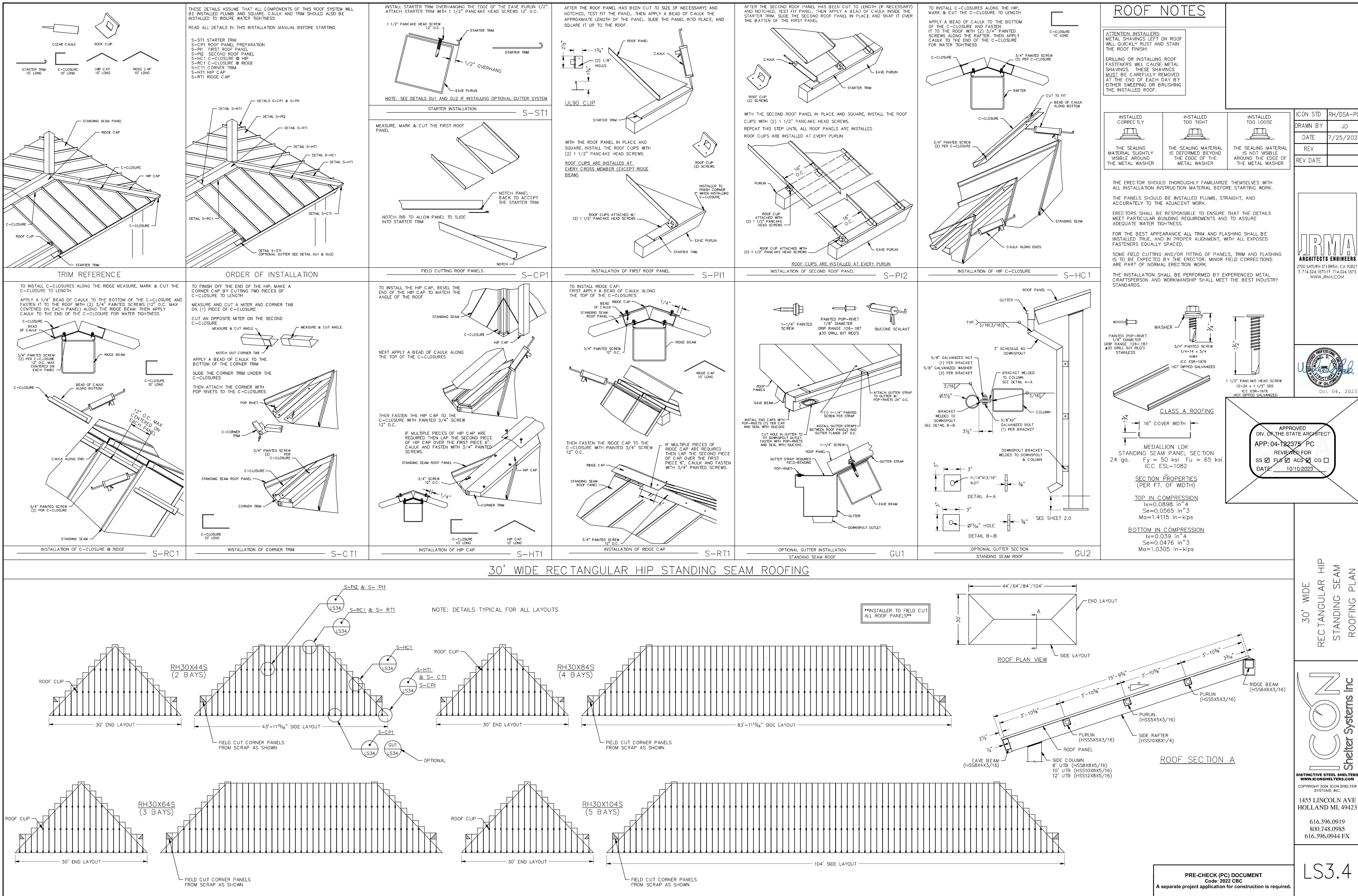
616.396.0919
800.748.0985
616.396.0944 FX

LS3.0

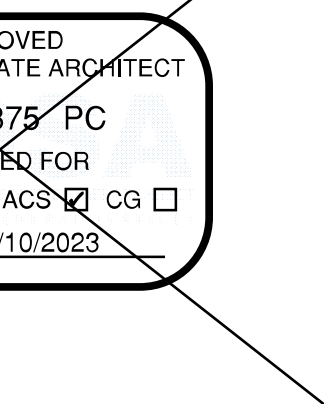
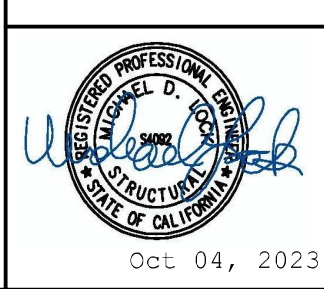
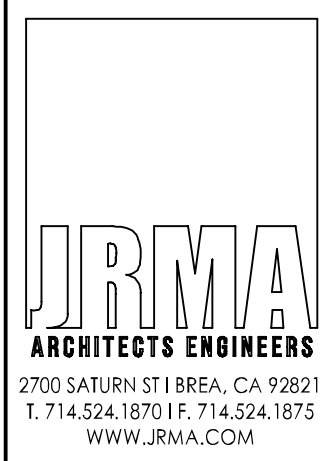
PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC

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ICON STD	RH/DSA-PC
DRAWN BY	JD
DATE	7/25/2023
REV	
REV DATE	



30' WIDE
RECTANGULAR HIP
STANDING SEAM
ROOFING PLAN

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