LAKE FRONT PARK - BID NO. 21-04

CITY OF LAKEPORT

800 & 810 NORTH MAIN STREET, LAKEPORT, CA 95453 **CONTACT: PAUL CURREN** PHONE: (707) 695-5538

REFERENCE SYMBOLS

SHEET MATCH/CONTINUATION LINE EXISTING CONTOUR LINE DATUM REFERENCE LIMIT OF ADDITIVE ALTERNATE WORK REVISION REFERENCE PROPERTY AND BOUNDARY LINES

GENERAL ABBREVIATIONS

&	AND	CMU	CONCRETE MASONRY UNIT	FG	FINISH GRADE ELEVATION - SOFTSCAPE	NIC	NOT IN CONTRACT	SPECS	SPECIFICATIONS
@	АТ	CSDG	CEMENT STABILIZED DECOMPOSED GRANITE	FL	FLOW LINE	NOM	NOMINAL	SS	SANITARY SEWER
AC	ASPHALT	CTSK	COUNTER SUNK	FLG	FLANGED	NTS	NOT TO SCALE	SSMH	SANITARY SEWER MANHOLE
ACC	ACCESSIBLE	DEPT	DEPARTMENT	FS	FINISH SURFACE ELEVATION - HARDSCAPE	OC	ON CENTER	STA	STATION POINT
ADJ	ADJUSTABLE	DF	DRINKING FOUNTAIN	FTG	FOOTING	OD	OUTSIDE DIAMETER	SWL	STATIC WATER LEVEL
AFF	ABOVE FINISH FLOOR	DG	DECOMPOSED GRANITE	GALV	GALVANIZED	PA	PLANT AREA	TBR	TO BE REMOVED
ALT	ALTERNATE	DIA	DIAMETER	GB	GRADE BREAK	PC	PLUMBING CONTRACTOR	TC	TOP OF CURB
AG	AGGREGATE	DIM	DIMENSION	HD	HOT DIPPED	POB	POINT OF BEGINNING	TFTG	TOP OF FOOTING
APPROX	APPROXIMATE	DS	DOWN SPOUT	HDR	HEADER	POC	POINT OF CONNECTION	THK	THICK
ARCH	ARCHITECTURAL	DWG	DRAWING	HOR	HORIZONTAL	POT	POINT OF TANGENCY	TP	TOP OF PAVING
ВС	BOTTOM OF CURB	EA	EACH	HP	HIGH POINT	PNT	POINT	TS	TOP OF STEP
BLDG	BUILDING	(E)	EXISTING	INV	INVERT ELEVATION	PT	PRESSURE TREATED	TRANS	TRANSFORMER
BOC	BACK OF CURB	EC	ELECTRICAL CONDUCTOR	IRRIG	IRRIGATION	R	RADIUS	TW	TOP OF WALL
BOW	BACK OF WALK	EG	EXISTING GRADE	JB	JUNCTION BOX	RDWD	REDWOOD	TYP	TYPICAL
BW	BASE OF WALL	EJ	EXPANSION JOINT	LA	LANDSCAPE ARCHITECT	REBAR	REINFORCEMENT BAR	UNO	UNLESS NOTED OTHERWISE
СВ	CATCH BASIN	ELEV	ELEVATION	LF	LINEAR FEET	REQ'D	REQUIRED	VERT	VERTICAL
CIP	CAST IN PLACE	EP	EDGE OF PAVING	MAX	MAXIMUM	RIM	RIM ELEVATION	W/	WITH
CJ	CONTROL JOINT	EQ	EQUAL	MB	MACHINE BOLT	RO	ROUGH	WC	WATER CLOSET
CL	CENTERLINE	EXP	EXPOSED	MC	MECHANICAL CONTRACTOR	RP	RADIUS POINT	WP	WEAKEND PLANE JOIN
CLR	CLEAR	FOB	FACE OF BUILDING	MFG	MANUFACTURER	S/S	STAINLESS STEEL	WWM	WELDED WIRE MESH
СО	CLEAN OUT	FOC	FACE OF CURB	MIN	MINIMUM	SCH	SCHEDULE		
CONC	CONCRETE	FD	FLOOR DRAIN	MTL	METAL	SIM	SIMILAR		

PROJECT DESIGN TEAM:

LANDSCAPE ARCHITECT SSA LANDSCAPE ARCHITECTS, INC. CONTACT: KAREN FOLSOM 303 POTRERO STREET, SUITE 40-C SANTA CRUZ, CA 95060 (831) 459 - 0455

CIVIL ENGINEER LACO ASSOCIATES

CONTACT: BRUCE K. SHIMIZU 21 W 4TH ST. EUREKA, CA 95501 (707) 443-5054

STRUCTURAL ENGINEER MME CIVIL + STRUCTURAL ENGINEERING

CONTACT: DALE HENDSBEE 224 WALNUT AVE, STE B SANTA CRUZ, CA 95060-3836 (831) 426-3186

MECHANICAL ENGINEER AXIOM ENGINEERS

CONTACT: SEAN RING 303 POTRERO STREET STE. 43-108 SANTA CRUZ. CA 95060 (831) 464-4320 EXT 1#

ELECTRICAL ENGINEER AURUM CONSULTING ENGINEERS, INC. CONTACT: NAJIB ANWARY

1798 TECHNOLOGY DR., STE 242 SAN JOSE, CA 95110 (408) 564-7925 EXT. 201

GENERAL NOTES

CONTINUOUS

1. DESIGN INTENT: THESE DRAWINGS AND ACCOMPANYING TECHNICAL SPECIFICATIONS REPRESENT THE GENERAL DESIGN INTENT TO BE IMPLEMENTED ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE ARCHITECT FOR ANY ADDITIONAL CLARIFICATION OR DETAILS NECESSARY TO ACCOMMODATE SITE CONDITIONS.

SQUARE FOOT

- 2. CONTRACTOR SHALL INFORM THEMSELVES OF, AND FULLY ADHERE TO THE ZONING AND ORDINANCE REGULATIONS OF THE CITY AND/OR COUNTY WHERE THE PROJECT IS LOCATED, THE RULES, REGULATIONS AND REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK, AND ALL FEDERAL AND STATE LAWS, CODES OR REGULATIONS REGARDING CONSTRUCTION ACTIVITY.
- 3. CONTRACTOR SHALL INVESTIGATE AND PROCURE ANY AND ALL PERMITS THAT MAY BE REQUIRED ON PROJECT. THERE WILL BE NO FEE TO THE CONTRACTOR
- 4. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS.

FINISH FLOOR ELEVATION

- 5. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNERS REPRESENTATIVE IF DISCREPANCY IS SUSPECTED BETWEEN THE SITE AND WHAT IS CONTAINED IN THE CONTRACT DOCUMENTS. NO ALLOWANCES WILL BE MADE TO THE CONTRACTOR DUE TO THEIR LACK OF FAMILIARITY WITH THE SITE CONDITIONS. CONTRACTOR SHALL CALL OUT "USA"-UNDERGROUND SERVICE ALERT (800-642-2444) AND HAVE USA THOROUGHLY MARK OUT ALL PUBLIC UTILITIES ON, OR ADJACENT TO THE SITE PRIOR TO ANY DEMOLITION OR EXCAVATION WORK. CONTRACTOR SHALL RECORD OR MAINTAIN USA MARKINGS IN LEGIBLE AND ACCESSIBLE FORM FOR DURATION OF PROJECT.
- 6. CONTRACTOR SHALL AT ALL TIMES PROVIDE NOISE, DUST AND LITTER CONTROL ON THE PROJECT IN ACCORDANCE WITH GOVERNING AGENCIES OR DOCUMENTS LISTED ABOVE AND PER THE DISCRETION OF THE OWNERS REPRESENTATIVE.
- 7. CONTRACTOR SHALL INSURE PROPER POSITIVE DRAINAGE TO EXISTING DRAINAGE STRUCTURES AT ALL TIMES. IF OPERATION OF ANY EXISTING DRAINAGE STRUCTURE OR UTILITY IS INTERRUPTED BY THE CONTRACTORS WORK, CONTRACTOR MUST HAVE ACCEPTABLE ALTERNATE METHODS IN PLACE PRIOR TO INTERRUPTION. THE OWNERS REPRESENTATIVE SHALL DETERMINE THE ACCEPTABILITY OF SUCH
- 8. CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION CONTROL MEASURES IN CONFORMANCE WITH STANDARD CONSTRUCTION PRACTICES AS REQUIRED TO PROTECT THE PROJECT AND/OR ADJACENT PROPERTIES FROM DAMAGES DUE TO NATURAL OR MAN-MADE EROSIVE FORCES.
- 9. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING DAMAGES OR DAMAGED AREAS TO AN AS-WAS OR BETTER CONDITION IF IT CAN BE REASONABLY CONSTRUED THAT SUCH DAMAGES WERE DUE TO THE CONTRACTORS CONSTRUCTION ACTIVITY OR LACK OF AMPLE PROTECTIVE MEASURES. REPAIRS SHALL BE MADE SUBJECT TO THE DISCRETION OF THE OWNERS REPRESENTATIVE.
- 10. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL CERTIFY THAT ALL WORK HAS BEEN INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALL VARIATIONS FROM THE DOCUMENTS MUST BE PRESENTED TO THE OWNERS REPRESENTATIVE ACCURATELY AND/OR GRAPHICALLY ON RECORD DRAWINGS PRIOR TO FINAL ACCEPTANCE. REFER TO SPECIFICATIONS FOR ADDITIONAL CLOSE-OUT
- 11. CONTRACTOR SHALL DILIGENTLY PROTECT THE PROJECT SITE AND ALL CONSTRUCTION MATERIALS FROM VANDALISM OR DAMAGE UNTIL PROJECT FINAL ACCEPTANCE.
- 12. CONTRACTOR SHALL PROVIDE DRINKING WATER AND PORTABLE REST ROOM FACILITIES FOR WORKER USE DURING CONSTRUCTION AT CONTRACTORS EXPENSE
- 13. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS AND PAY ALL FEES TO ACQUIRE A METERED HOOKUP TO A CITY WATER SOURCE FOR ANY CONSTRUCTION WATER. ALL COSTS FOR SUCH WATER USE SHALL BE BORNE BY THE CONTRACTOR. ADDITIONALLY, CONTRACTOR SHALL PAY FOR IRRIGATION WATER USED DURING CONSTRUCTION AND MAINTENANCE PERIODS. IT IS THE CONTRACTORS RESPONSIBILITY TO INCLUDE ANTICIPATED COSTS IN THE BID PRICE.

AREA MAP

APPLICABLE CODES

MANUFACTURER'S LIST

LANDSCAPE STRUCTURES, INC.

CONTACT INFO: (707) 538-3826

CONTACT INFO: (916) 923-2180

CONTACT INFO: (916) 923-2180

CONTACT INFO: (530) 365-6106

PUBLIC RESTROOM COMPANY

CONTACT INFO: (888) 888-2060

OUTDOOR CREATIONS

ROSS RECREATION JOHN BAWDEN

ALL ABOUT PLAY

WATER ODYSSEY ALL ABOUT PLAY

GLEN WURSTER

CHAD SMITH

BONNIE BUTLER

APPROVALS

APPROVED:

DAN BAXTER

POLIGON

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.

2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.

2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.

2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.

2010 CAL TRANS STANDARD SPECIFICATION AND PLANS



2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.

2019 NFPA 72 - NATIONAL FIRE ALARM CODE WITH CALIFORNIA AMENDMENTS

KEVIN M. INGRAM, CITY MANAGER, PUBLIC WORKS DIRECTOR

TITLE 19, C.C.R., PUBLIC SAFETY, OFFICE OF THE STATE FIRE MARSHAL REGULATIONS

SHEET INDEX

G-0.0 T-1.0 T-2.0	COVER SHEET SITE TOPOGRAPHY (REFERENCE ONLY) SITE TOPOGRAPHY (REFERENCE ONLY)
SECTION L -	LANDSCAPE
L-1.0 L-2.0 - L-2.2 L-3.0 - L-3.2 L-4.0 - L-4.2 L-5.0 L-5.1 L-5.2 L-6.0 L-7.0 L-8.0 - L-8.4 L-8.5 - L-8.9 L-9.0 - L-9.2 L-10.0 - 10.1 L-11.0 - L-11.2 L-12.0	SITE PLAN LAYOUT PLAN SITE PLAN ENLARGEMENT - SPLASH PAD SITE PLAN ENLARGEMENT - SKATE PARK & FITNESS AREA SITE PLAN ENLARGEMENT - SKATE PARK BUILDING PLANS & DETAILS SECTIONS & ELEVATIONS CONSTRUCTION DETAILS CONSTRUCTION DETAILS - SKATEPARK IRRIGATION PLAN IRRIGATION DETAILS

SECTION C - CIVIL

C0.1	CIVIL GENERAL NOTES AND ABBREVIATIONS
C0.2	NOTES
C1.0 - C1.1	CIVIL EXISTING CONDITIONS
C2.0 - C2.1	EROSION AND SEDIMENT CONTROL PLAN
C3.0 - C3.4	GRADING AND DRAINAGE PLAN
C4.0 - C4.1	UTILITIES PLAN
C5.0 - C5.3	CIVIL DETAILS

SECTION S - STRUCTURAL

S1	NOTES, ABBREVIATIONS, REBAR DETAILS, SCHEDULES
S2	DRILLED PIER FOUNDATION DETAILS
S3	PERGOLA AND ARBOR FRAMING PLANS
S4	PERGOLA DETAILS
S5	ARBOR DETAILS

SECTION E ELECTRICAL

SECTION E	- ELECTRICAL
E-0.1	SYMBOLS, ABBREVIATIONS, LIGHT FIXTURE SCHEDULE, CODES,
	STANDARDS, NOTES & SHEET INDEX
E-0.3	CALIFORNIA ENERGY COMPLIANCE TITLE 24 (BUILDING EXTERIOR)
E-1.1	ELECTRICAL SINGLE LINE DIAGRAM & DETAILS
E-2.1	PARTIAL ELECTRICAL SITE PLAN
E-2.2	PARTIAL ELECTRICAL SITE PLAN
E-2.3	PARTIAL ELECTRICAL SITE PLAN
E-6.1	ELECTRIC DETAILS & PANELBOARD SCHEDULES
E-6.2	ELECTRIC DETAILS

SECTION SP - MECHANICAL & PLUMBING

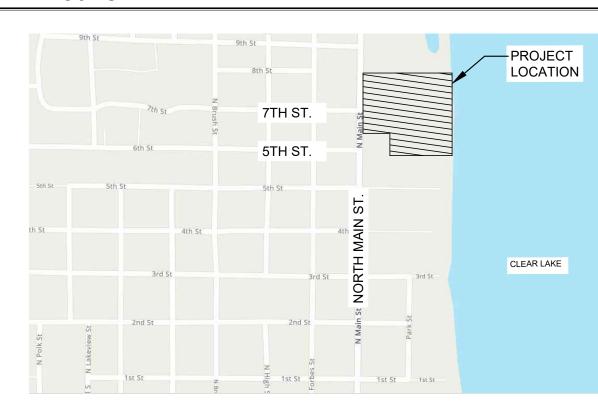
SITE PLUMBING - LEGENDS, NOTES, DETAILS, AND SPECIFICATIONS SITE PLUMBING - SPLASH PAD PLAN

SECTION R - REFERENCE DOCUMENTS

R-1 SERIES	REFERENCE DOCUMENTS - SPLASH PAD
R-2 SERIES	REFERENCE DOCUMENTS - SHADE SHELTER PAVILION
R-3 SERIES	REFERENCE DOCUMENTS - SHADE SHELTER PICNIC
R-4 SERIES	REFERENCE DOCUMENTS - RESTROOM/CONCESSION BUILDING

PROJECT MAP

SECTION G - GENERAL



303 potrero street, suite 40-c santa cruz, ca 95060

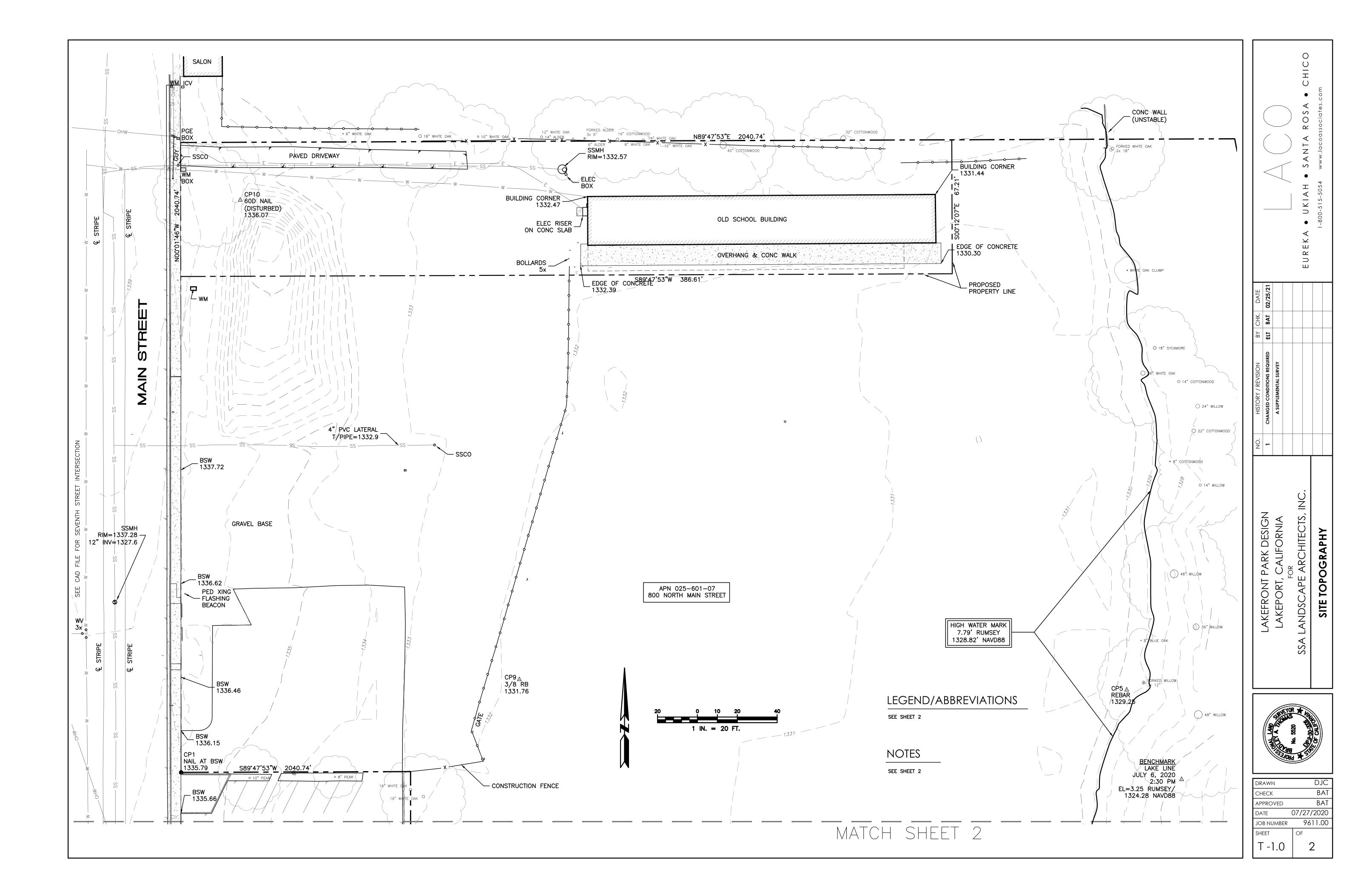
> p: 831.459.0455 f: 831-459-0484

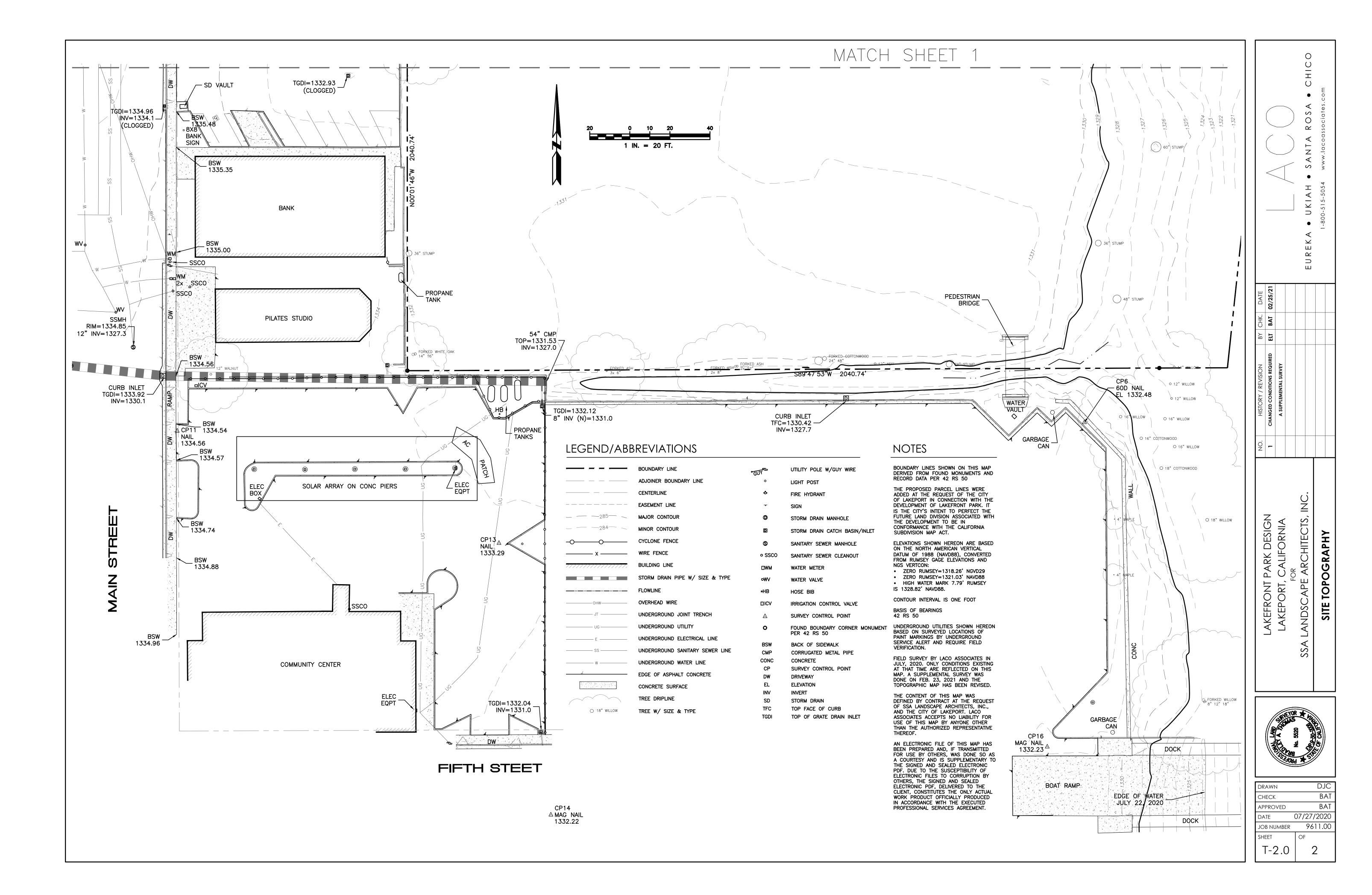
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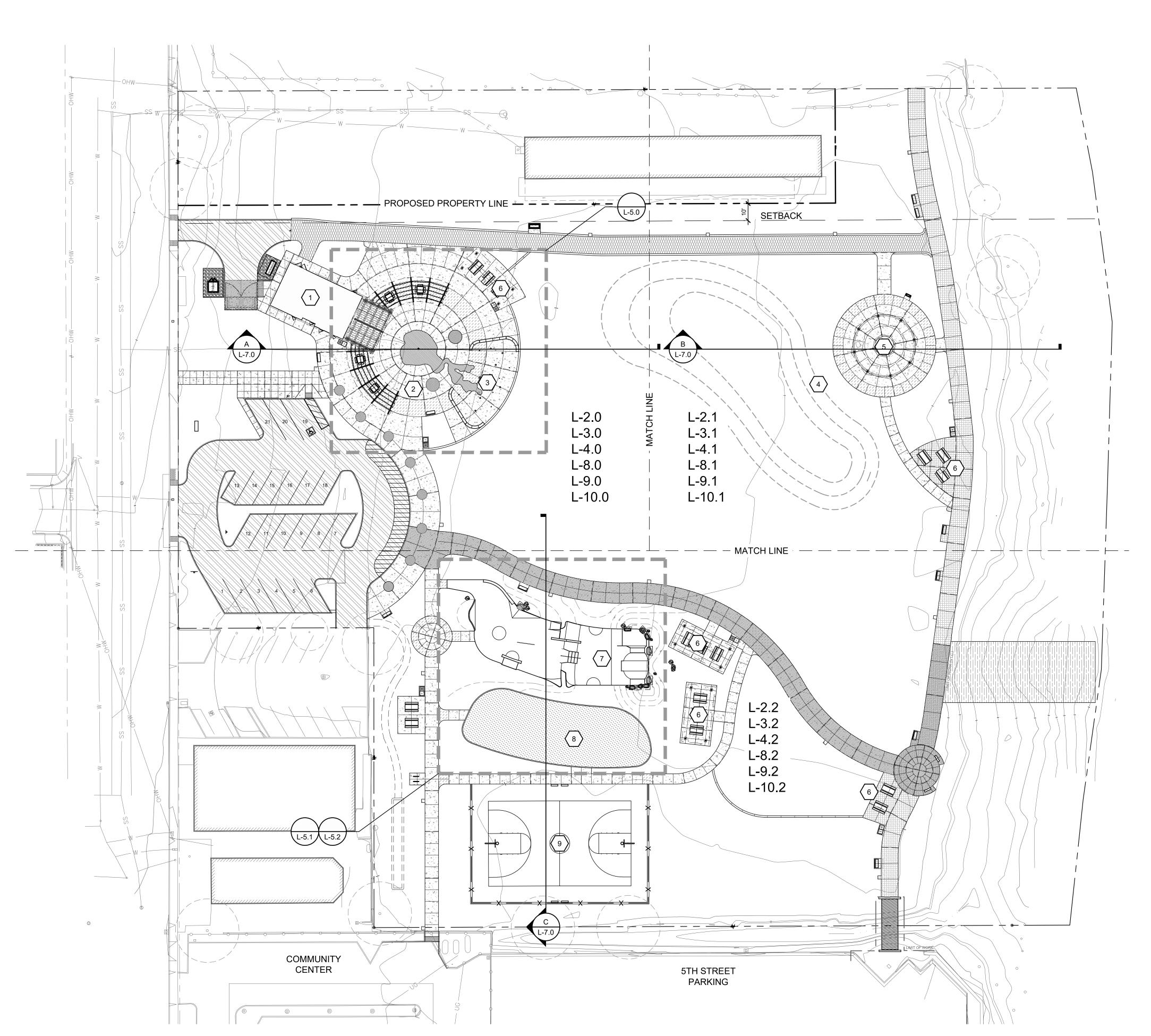
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SITE LEGEND

SYMBOL	<u>ITEM</u>
1	PARK BUILDING
2	VISTA PLAZA WITH ARBOR
3	SPLASH PAD
$\overline{\langle 4 \rangle}$	LAWN SEATING
5	SHADE SHELTER
6	PICNIC AREA
7	SKATE PARK
8	FITNESS AREA
9	BASKETBALL COURT

GRAPHIC LEGEND

SYMBOL	<u>ITEM</u>
L-X.X	AREA ENLARGEMENT CALLOUT
X L-X.X	SECTION CALLOUT
	ENLARGEMENT AREA
	MATCHLINE
	EXISTING PROPERTY LINE
	PROPOSED PROPERTY LINE
	EASEMENT
LIMIT_OF WORK	LIMIT OF WORK
	EXISTING TREE

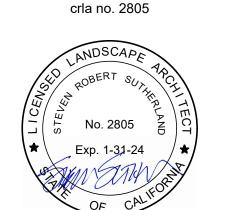
BOULDER NUMBER:	BOULDER SIZE:		
1	78"x54"x42"		
2	60"x60"x28"		
3	84"x54"x32"		
4	108"x42"x54"		
5	72"x48"x48"		
6	60"x48"x32"		
7	30"x40"x30"		
8	48"x36"x22"		
9	66"x50"x32"		
10	35"x22"x20"		
11	36"x36"x26"		
12	66"x40"x28"		
13	66"x46"x33"		
14	84"x47"x44"		
15	60"x60"x30"		
16	66"x44"x38"		
17	38"x25"x22"		
18	42"x32"x26"		
19	50"x44"x33"		
20	48"x40"x31"		
21	31"x38"x22"		
22	48"x36"x38"		
23	50"x40"x36"		
24	36"x36"x22"		
25	43"x28"x18"		

BOULDER NOTES

- BOULDERS HAVE BEEN PRE-PURCHASED BY CITY. CONTRACTOR RESPONSIBLE FOR RELOCATING BOULDERS FROM CITY SUPPLY YARD TO PROJECT SITE. CONTRACTOR TO COORDINATE RELOCATION WITH CITY REPRESENTATIVE.
 SEE SHEET L-5.2 FOR SKATEPARK BOULDER PLACEMENT.
 ADDITIONAL BOULDERS LOCATIONS NOT NOTED SHALL BE FIELD LOCATED IN COORDINATION WITH LANDSCAPE ARCHITECT.



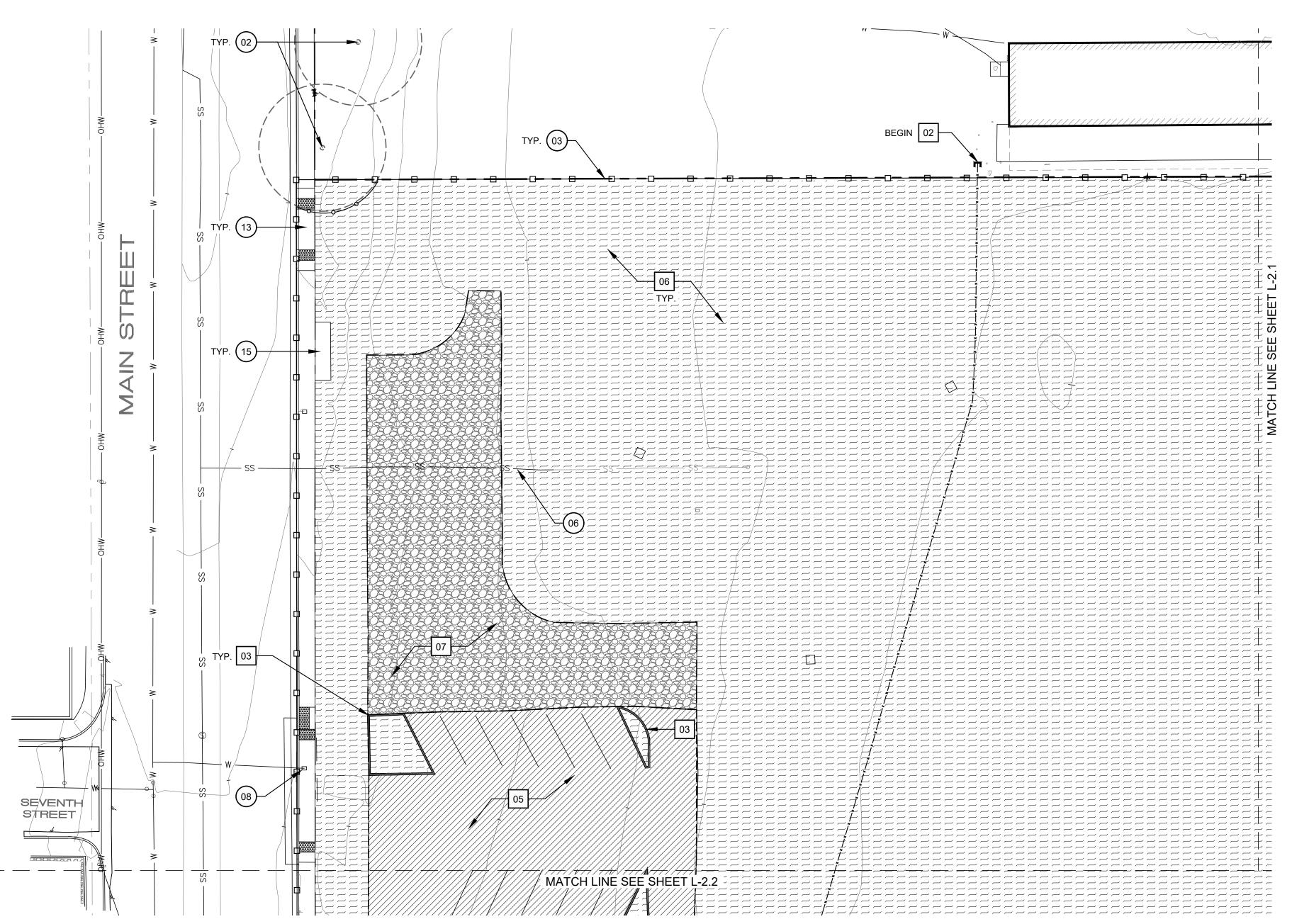
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OVERALL SITE PLAN



TREE PROTECTION NOTES

DRIPLINE.

OF TREE PROTECTION FENCING SHALL OCCUR DURING THIS MEETING.

READ IN "TREE PROTECTION FENCING - KEEP OUT" IN 2" HIGH LETTERS.

OF 5' FROM THE TRUNK IN DIAMETER, AND BE 6" CLEAR FROM BASE OF TRUNK.

SUBSTANCES MIGHT REACH THE ROOTS THROUGH A LEACHING PROCESS.

10. AFTER CONSTRUCTION OPERATIONS ARE COMPLETE, REMOVE ALL PROTECTION MATERIALS.

BE IMMEDIATELY REPORTED BY THE PERSON CAUSING THE DAMAGE TO THE CITY REPRESENTATIVE.

1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL SUBCONTRACTORS AND WORK THAT MAY IMPACT TREE HEALTH.

4. TREE PROTECTION FENCING SHALL BE 6' CHAINLINK FENCE ON CONCRETE BLOCKS, INSTALLED AT THE DRIPLINE AROUND THE TREES AS

3. PRIOR TO ANY CONSTRUCTION ACTIVITY AT THE SITE INCLUDING DEMOLITION, UTILITY WORK, GRADING, STORAGE OF MATERIALS, OR

PRE-CONSTRUCTION CONFERENCE IS TO BE SCHEDULED PRIOR TO ANY WORK, WITH ALL AFFECTED SUBCONTRACTORS IN ATTENDANCE. REVIEW

INSTALLATION OF TEMPORARY CONSTRUCTION FACILITIES, INSTALL ALL TREE PROTECTION FENCING, TREE PROTECTION SIGNS, AND MULCH AS

INDICATED ON THIS PLAN, SO AS TO PREVENT INJURY TO TREES, MAKING THEM SUSCEPTIBLE TO DISEASE-CAUSING ORGANISMS. SIGNAGE IS TO

BE INSTALLED EVERY 50. SIGNAGE TO BE 8" X 11" MINIMUM SIZE, LAMINATED AND PERMANENTLY ATTACHED TO THE FENCE FABRIC. SIGNS SHALL

MULCH - A 3" LAYER OF BARK MULCH SHALL BE PROVIDED AT THE BASE OF EACH TREE TO REMAIN. THIS MULCH RING SHALL COVER A MINIMUM

NOT BE STORED, PARKED, OR STANDING WITHIN THE TREE DRIPLINE. CONTRACTOR SHALL REMOVE THE TREE FENCING TO GAIN ACCESS, AND

NO PAINT THINNER, PAINT, PLASTER, OR OTHER LIQUID OR SOLID EXCESS OR WASTE CONSTRUCTION MATERIALS OR WASTEWATER SHALL BE

DUMPED ON THE GROUND OR INTO ANY GRATE BETWEEN THE DRIPLINE AND THE BASE OF THE TREE OR UPHILL FROM ANY TREE WHERE CERTAIN

MEASURE TO REDUCE COMPACTION. APPLY GEOTEXTILE FABRIC WITH 4-6" OF THICK WOODCHIPS ON TOP OF FABRIC. LAY 1/2" PLYWOOD SHEETS

6. DURING CONSTRUCTION ACTIVITIES, EQUIPMENT SHALL NOT ENTER THE TREE PROTECTION ZONE. EQUIPMENT, VEHICLES, OR MATERIALS SHALL

ADJUST AS NEEDED FOR INSTALLATION OF SITE IMPROVEMENTS. ALL TRENCHING AND DIGGING WITHIN DRIPLINE SHALL BE DONE BY HAND.

7. DISPOSAL OF WASTE PRODUCTS AND STORAGE OF CONSTRUCTION MATERIALS IS NOT PERMITTED WITHIN THE FENCED TREE PROTECTION ZONE.

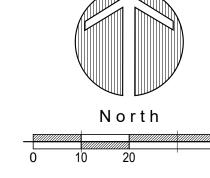
8. WATER IS TO BE SUPPLIED TO THE EXISTING TREES TO MAINTAIN AN ENVIRONMENT SIMILAR TO WHAT THE TREE HAS BEEN ACCUSTOMED. THIS

9. IF CONSTRUCTION EQUIPMENT TRAFFIC IS UNAVOIDABLE WITHIN THE TREE PROTECTIONS ZONE, CONTRACTOR SHALL INSTALL PROTECTION

11. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ANY TREE DUE TO CONSTRUCTION OPERATIONS. IF TREE DAMAGE OCCURS, IT SHALL

OVER THE MULCH LAYER. REPLENISH PROTECTION SYSTEM AS NECESSARY DURING CONSTRUCTION IF IT DETERIORATES.

MAY REQUIRE WATER TO BE BROUGHT IN, AND / OR IRRIGATION WITH DRIP HOSE LOCATED IN RINGS AROUND THE TREE TRUNK WITHIN THE



SEE PLANS

DEMOLITION SCHEDULE

SYMBOL

SYMBOL

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303 potrero street, suite 40-c santa cruz, ca 95060 p: 831.459.0455

crla no. 2805



REMARKS

REFER TO CIVIL

REMARKS

REFER TO CIVIL

REFER TO CIVIL

REFER TO CIVIL

PROTECT IN PLACE

PROTECT IN PLACE

PROTECT IN PLACE

REMOVE AND TRANSPORT

STUMPS. SEE NOTE 10

	TREE PROTECTION FENCE STAKED AT TREE DRIP LINE, UNLESS NOTED OTHERWISE. REFER TO TREE PROTECTION SPECS AND DETAIL E / L-12.0	PROTECT IN PLACE
\bigcirc	EXISTING TREE TO REMAIN. REFER TO TREE PROTECTION NOTES FOR ADDITIONAL INFORMATION	PROTECT IN PLACE
	CHAINLINK CONSTRUCTION FENCE. CONTRACTOR TO ADJUST FENCE AS NEEDED TO ALLOW FOR PROJECT IMPROVEMENTS. ENSURE FENCE PERIMETER IS SECURE AT ALL TIMES	PROTECT IN PLACE
	04 NOT USED	
	05 NOT USED	
——— SS ———	(E) SANITARY SEWER LINE & CLEANOUTS TO REMAIN. WHERE APPLICABLE	REFER TO CIVIL DRAWINGS FOR MORE INFORMATION
w	- 07) (E) WATER LINE TO REMAIN	REFER TO CIVIL
M	(E) WATER METER TO REMAIN	REFER TO CIVIL
SEE PLANS	(E) VALVE BOX TO REMAIN	REFER TO CIVIL

01 DEMOLISH AND REMOVE EXISTING TREE OR STUMP

DEMOLISH & REMOVE (E) CURB & GUTTER. SAWCUT CLEAN WHEN BEGINNING & END TERMINUSES ARE ADJACENT TO AREAS "TO REMAIN"

DEMOLISH & REMOVE (E) ASPHALTIC CONCRETE PAVING. 05 SAWCUT CLEAN WHEN BEGINNING & END TERMINUSES ARE

CLEAR & GRUB (E) LANDSCAPE AREA. REFER TO TREE PROTECTION NOTES WHERE APPLICABLE

☐ × — × — 1 02 DEMOLISH AND REMOVE EXISTING FENCE (NIC)

04 DEMOLISH & REMOVE (E) CONCRETE

ADJACENT TO AREAS "TO REMAIN"

07 DEMOLISH & REMOVE (E) GRAVEL

08 DEMOLISH & REMOVE (E) LIGHT POLE

PRESERVATION SCHEDULE

ITEM

(10) (E) DRAIN INLET TO REMAIN

(11) (E) GAS LINE TO REMAIN

(13) (E) CONCRETE WALK TO REMAIN

SEE PLANS (E) PROPANE TANKS TO REMAIN

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EXISTING CONDITIONS & DEMOLITION PLAN

DEMOLITION NOTES

- 1. PRIOR TO ANY DEMOLITION WORK, THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES TO REMAIN. REFER TO NOTES, THIS SHEET, AND SPECIFICATIONS FOR MORE INFORMATION.
- 3. ALL EXISTING ITEMS ARE TO REMAIN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT CONTRACTOR'S EXPENSE, ANY EXISTING ITEM DAMAGED OR DESTROYED BY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY AND ALL DAMAGES TO ADJACENT PROPERTY. THE DAMAGED ITEMS SHALL BE RESTORED TO AN "AS-WAS" OR BETTER CONDITION OR REPLACED PER THE DISCRETION OF THE OWNER'S REPRESENTATIVE.
- 4. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND CONDITIONS OF ALL EXISTING UTILITIES, STRUCTURES, CONCRETE FOUNDATIONS, MATERIALS, AND SERVICES BEFORE STARTING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES, AND SERVICES THAT MAY BE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL CALL OUT "USA" UNDERGROUND SERVICE ALERT (800-227-2600) AND HAVE USA THOROUGHLY MARK OUT ALL PUBLIC UTILITIES ON, OR ADJACENT TO THE SITE PRIOR TO ANY DEMOLITION OR
- 5. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND PROVIDE THE REQUIRED COORDINATION FOR THEIR TEMPORARY DISCONNECTION, PROTECTION, REMOVAL AND/OR STORAGE AS MAY BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE CITY ENGINEER TO DETERMINE IF TEMPORARY SERVICES
- 6. PRIOR TO ANY DEMOLITION WORK, THE CONTRACTOR SHALL INSTALL SELF-SUPPORTING, INTERLOCKING CHAIN-LINK TEMPORARY CONSTRUCTION FENCING TO ENCLOSE AND SECURE THE ENTIRE PROJECT AREA. THE FENCING SHALL CONTAIN LOCKABLE PEDESTRIAN AND/OR VEHICULAR ACCESS GATES AS NECESSARY AND SHALL BE A MINIMUM OF 6' HIGH WITH A TOP AND BOTTOM RAIL WITH KNUCKLED TOP AND BOTTOM SELVAGE (NO BARBED WIRE SHALL BE PERMITTED). FENCING SHALL HAVE SCREENING MATERIAL ATTACHED.
- 7. DEMOLITION SHALL INCLUDE REMOVAL OF THE ITEM PLUS ANY FOUNDATION(S), STRUCTURAL SUPPORTS, PIPING AND/OR WIRES CONNECTED OR RELATED TO THE ITEM. FOR PLANT MATERIAL, THIS SHALL INCLUDE ALL ROOTS OVER 2" IN DIAMETER AND ALL STUMPS (TO 24" DEPTH). DISPOSAL SHALL BE OFF-SITE IN A LEGAL MANNER ACCEPTABLE TO THE OWNER'S
- 8. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL CLEARING, GRUBBING, TOPSOIL STOCKPILING AND OTHER PERTINENT INFORMATION.
- 9. AREAS OF CONCRETE SIDEWALK CURB AND GUTTER TO BE DEMOLISHED SHALL BE REMOVED TO THE CLOSEST CONCRETE JOINT. IF A GUTTER JOINT IS WITHIN 5', EXTEND TO THAT
- 10. TREE STUMPS INDICATED TO BE REMOVED ARE TO BE EXCAVATED AND REMOVED INCLUDING ROOT BALLS. REMOVED STUMPS AND ROOT BALLS SHALL BE TRANSPORTED TO THE CITY

ALL TREE PROTECTION WORK SHALL BE SUBJECT TO THE DISCRETION OF THE OWNER'S REPRESENTATIVE. REFER TO TREE PRESERVATION DETAIL, E / L-12.0.

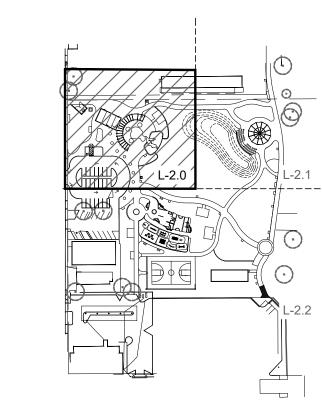
2.	THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL OF OBSTRUCTIONS (INCLUDING SHRUBS AND SHRUB ROOTS) AND SITE PREPARATIONS NECESSARY FOR
	THE PROPER EXECUTION OF ALL WORK CONTAINED IN THE CONTRACT DOCUMENTS. ALL CLEARING AND GRUBBING WITHIN TREE PROTECTION FENCING SHALL BE DONE BY HAND. AL
	OTHER WORK TO BE DONE WITHIN TREE PROTECTION FENCING SHALL BE IN A MANNER THAT DOES NOT HARM THE TREE.

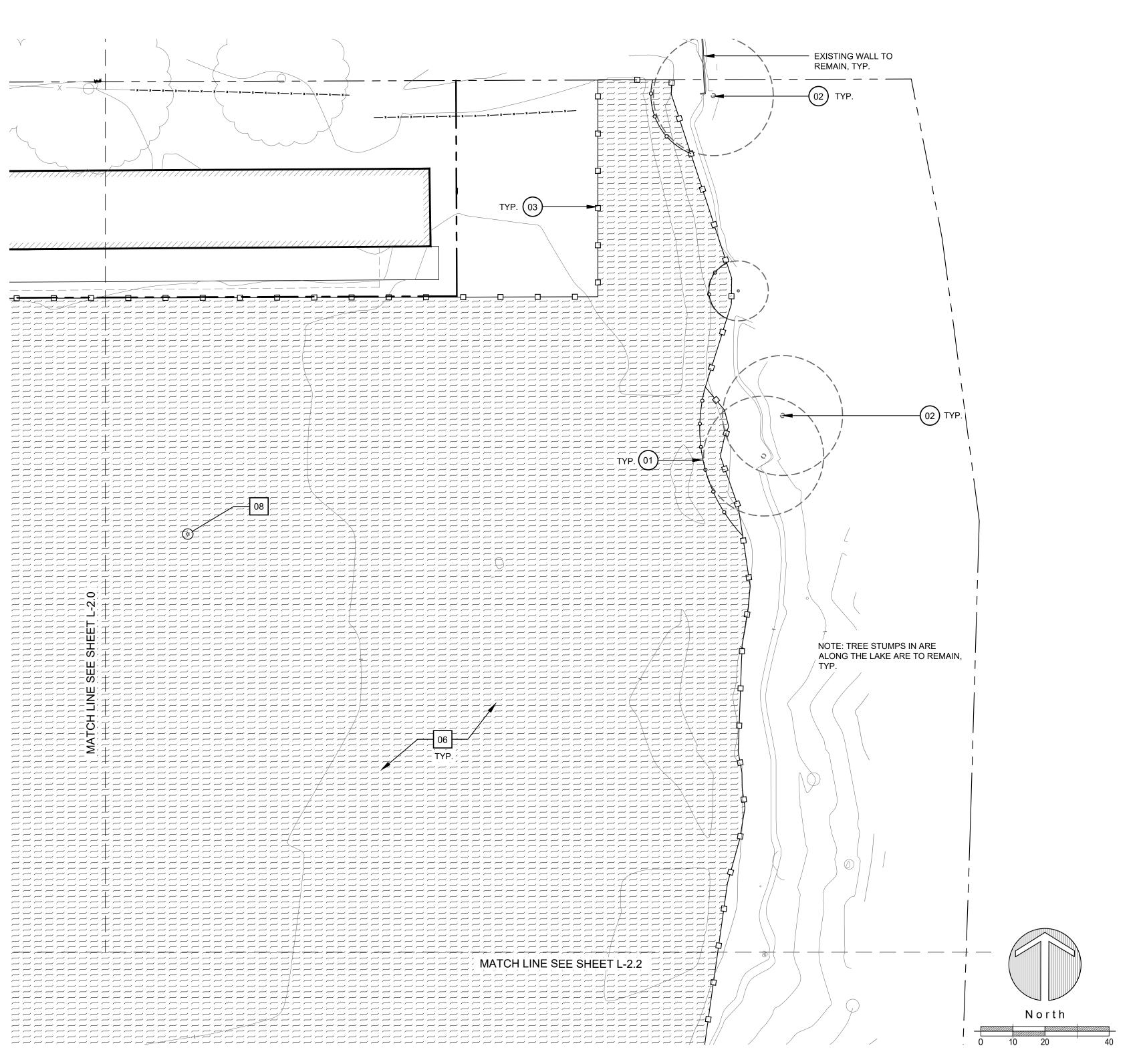
EXCAVATION WORK. CONTRACTOR SHALL RECORD AND/OR MAINTAIN USA MARKINGS IN LEGIBLE AND ACCESSIBLE FORMAT FOR DURATION OF PROJECT.

ARE NECESSARY.

CONSTRUCTION FENCING WORK SHALL BE SUBJECT TO THE DISCRETION OF THE OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION COMMENCING.

- REPRESENTATIVE AND IN COMPLIANCE WITH ALL FEDERAL, STATE, COUNTY AND LOCAL CODES AND ORDINANCES.
- OF LAKEPORT RECYCLING YARD OFF OF HIGHWAY 175.





- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL SUBCONTRACTORS AND WORK THAT MAY IMPACT TREE HEALTH.
 PRE-CONSTRUCTION CONFERENCE IS TO BE SCHEDULED PRIOR TO ANY WORK, WITH ALL AFFECTED SUBCONTRACTORS IN ATTENDANCE. REVIEW OF TREE PROTECTION FENCING SHALL OCCUR DURING THIS MEETING.
- 3. PRIOR TO ANY CONSTRUCTION ACTIVITY AT THE SITE INCLUDING DEMOLITION, UTILITY WORK, GRADING, STORAGE OF MATERIALS, OR INSTALLATION OF TEMPORARY CONSTRUCTION FACILITIES, INSTALL ALL TREE PROTECTION FENCING, TREE PROTECTION SIGNS, AND MULCH AS DESCRIBED.
- 4. TREE PROTECTION FENCING SHALL BE 6' CHAINLINK FENCE ON CONCRETE BLOCKS, INSTALLED AT THE DRIPLINE AROUND THE TREES AS INDICATED ON THIS PLAN, SO AS TO PREVENT INJURY TO TREES, MAKING THEM SUSCEPTIBLE TO DISEASE-CAUSING ORGANISMS. SIGNAGE IS TO BE INSTALLED EVERY 50. SIGNAGE TO BE 8" X 11" MINIMUM SIZE, LAMINATED AND PERMANENTLY ATTACHED TO THE FENCE FABRIC. SIGNS SHALL READ IN "TREE PROTECTION FENCING KEEP OUT" IN 2" HIGH LETTERS.
- 5. <u>MULCH A 3" LAYER OF BARK MULCH SHALL BE PROVIDED AT THE BASE OF EACH TREE TO REMAIN. THIS MULCH RING SHALL COVER A MINIMUM OF 5' FROM THE TRUNK IN DIAMETER, AND BE 6" CLEAR FROM BASE OF TRUNK.</u>
- 6. DURING CONSTRUCTION ACTIVITIES, EQUIPMENT SHALL NOT ENTER THE TREE PROTECTION ZONE. EQUIPMENT, VEHICLES, OR MATERIALS SHALL NOT BE STORED, PARKED, OR STANDING WITHIN THE TREE DRIPLINE. CONTRACTOR SHALL REMOVE THE TREE FENCING TO GAIN ACCESS, AND ADJUST AS NEEDED FOR INSTALLATION OF SITE IMPROVEMENTS. ALL TRENCHING AND DIGGING WITHIN DRIPLINE SHALL BE DONE BY HAND.
- 7. DISPOSAL OF WASTE PRODUCTS AND STORAGE OF CONSTRUCTION MATERIALS IS NOT PERMITTED WITHIN THE FENCED TREE PROTECTION ZONE. NO PAINT THINNER, PAINT, PLASTER, OR OTHER LIQUID OR SOLID EXCESS OR WASTE CONSTRUCTION MATERIALS OR WASTEWATER SHALL BE DUMPED ON THE GROUND OR INTO ANY GRATE BETWEEN THE DRIPLINE AND THE BASE OF THE TREE OR UPHILL FROM ANY TREE WHERE CERTAIN SUBSTANCES MIGHT REACH THE ROOTS THROUGH A LEACHING PROCESS.
- WATER IS TO BE SUPPLIED TO THE EXISTING TREES TO MAINTAIN AN ENVIRONMENT SIMILAR TO WHAT THE TREE HAS BEEN ACCUSTOMED. THIS MAY REQUIRE WATER TO BE BROUGHT IN, AND / OR IRRIGATION WITH DRIP HOSE LOCATED IN RINGS AROUND THE TREE TRUNK WITHIN THE DRIPLINE.
- 9. IF CONSTRUCTION EQUIPMENT TRAFFIC IS UNAVOIDABLE WITHIN THE TREE PROTECTIONS ZONE, CONTRACTOR SHALL INSTALL PROTECTION MEASURE TO REDUCE COMPACTION. APPLY GEOTEXTILE FABRIC WITH 4-6" OF THICK WOODCHIPS ON TOP OF FABRIC. LAY 1/2" PLYWOOD SHEETS OVER THE MULCH LAYER. REPLENISH PROTECTION SYSTEM AS NECESSARY DURING CONSTRUCTION IF IT DETERIORATES.
- 10. AFTER CONSTRUCTION OPERATIONS ARE COMPLETE, REMOVE ALL PROTECTION MATERIALS.

TREE PROTECTION NOTES

11. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ANY TREE DUE TO CONSTRUCTION OPERATIONS. IF TREE DAMAGE OCCURS, IT SHALL BE IMMEDIATELY REPORTED BY THE PERSON CAUSING THE DAMAGE TO THE CITY REPRESENTATIVE.

DEMOLITION NOTES

- 1. PRIOR TO ANY DEMOLITION WORK, THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES TO REMAIN. REFER TO NOTES, THIS SHEET, AND SPECIFICATIONS FOR MORE INFORMATION. ALL TREE PROTECTION WORK SHALL BE SUBJECT TO THE DISCRETION OF THE OWNER'S REPRESENTATIVE. REFER TO TREE PRESERVATION DETAIL, E / L-12.0.
- 2. THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL OF OBSTRUCTIONS (INCLUDING SHRUBS AND SHRUB ROOTS) AND SITE PREPARATIONS NECESSARY FOR THE PROPER EXECUTION OF ALL WORK CONTAINED IN THE CONTRACT DOCUMENTS. ALL CLEARING AND GRUBBING WITHIN TREE PROTECTION FENCING SHALL BE DONE BY HAND. ALL OTHER WORK TO BE DONE WITHIN TREE PROTECTION FENCING SHALL BE IN A MANNER THAT DOES NOT HARM THE TREE.
- 3. ALL EXISTING ITEMS ARE TO REMAIN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT CONTRACTOR'S EXPENSE, ANY EXISTING ITEM DAMAGED OR DESTROYED BY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY AND ALL DAMAGES TO ADJACENT PROPERTY. THE DAMAGED ITEMS SHALL BE RESTORED TO AN "AS-WAS" OR BETTER CONDITION OR REPLACED PER THE DISCRETION OF THE OWNER'S REPRESENTATIVE.
- 4. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND CONDITIONS OF ALL EXISTING UTILITIES, STRUCTURES, CONCRETE FOUNDATIONS, MATERIALS, AND SERVICES BEFORE STARTING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES, AND SERVICES THAT MAY BE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL CALL OUT "USA" UNDERGROUND SERVICE ALERT (800-227-2600) AND HAVE USA THOROUGHLY MARK OUT ALL PUBLIC UTILITIES ON, OR ADJACENT TO THE SITE PRIOR TO ANY DEMOLITION OR EXCAVATION WORK. CONTRACTOR SHALL RECORD AND/OR MAINTAIN USA MARKINGS IN LEGIBLE AND ACCESSIBLE FORMAT FOR DURATION OF PROJECT.
- 5. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND PROVIDE THE REQUIRED COORDINATION FOR THEIR TEMPORARY DISCONNECTION, PROTECTION, REMOVAL AND/OR STORAGE AS MAY BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE CITY ENGINEER TO DETERMINE IF TEMPORARY SERVICES ARE NECESSARY.
- 6. PRIOR TO ANY DEMOLITION WORK, THE CONTRACTOR SHALL INSTALL SELF-SUPPORTING, INTERLOCKING CHAIN-LINK TEMPORARY CONSTRUCTION FENCING TO ENCLOSE AND SECURE THE ENTIRE PROJECT AREA. THE FENCING SHALL CONTAIN LOCKABLE PEDESTRIAN AND/OR VEHICULAR ACCESS GATES AS NECESSARY AND SHALL BE A MINIMUM OF 6' HIGH WITH A TOP AND BOTTOM RAIL WITH KNUCKLED TOP AND BOTTOM SELVAGE (NO BARBED WIRE SHALL BE PERMITTED). FENCING SHALL HAVE SCREENING MATERIAL ATTACHED. CONSTRUCTION FENCING WORK SHALL BE SUBJECT TO THE DISCRETION OF THE OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION COMMENCING.
- 7. DEMOLITION SHALL INCLUDE REMOVAL OF THE ITEM PLUS ANY FOUNDATION(S), STRUCTURAL SUPPORTS, PIPING AND/OR WIRES CONNECTED OR RELATED TO THE ITEM. FOR PLANT MATERIAL, THIS SHALL INCLUDE ALL ROOTS OVER 2" IN DIAMETER AND ALL STUMPS (TO 24" DEPTH). DISPOSAL SHALL BE OFF-SITE IN A LEGAL MANNER ACCEPTABLE TO THE OWNER'S REPRESENTATIVE AND IN COMPLIANCE WITH ALL FEDERAL, STATE, COUNTY AND LOCAL CODES AND ORDINANCES.
- 8. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL CLEARING, GRUBBING, TOPSOIL STOCKPILING AND OTHER PERTINENT INFORMATION.
- 9. AREAS OF CONCRETE SIDEWALK CURB AND GUTTER TO BE DEMOLISHED SHALL BE REMOVED TO THE CLOSEST CONCRETE JOINT. IF A GUTTER JOINT IS WITHIN 5', EXTEND TO THAT
- 10. TREE STUMPS INDICATED TO BE REMOVED ARE TO BE EXCAVATED AND REMOVED INCLUDING ROOT BALLS. REMOVED STUMPS AND ROOT BALLS SHALL BE TRANSPORTED TO THE CITY OF LAKEPORT RECYCLING YARD OFF OF HIGHWAY 175.

DEMOLITION SCHEDULE

DEMOCITION SCILDOLE			
SYMBOL	<u>ITEM</u>	REMARKS	
×	01 DEMOLISH AND REMOVE EXISTING TREE OR STUMP	REMOVE AND TRANSPORT STUMPS. SEE NOTE 10	
E x — x — 3	02 DEMOLISH AND REMOVE EXISTING FENCE (NIC)		
=======================================	DEMOLISH & REMOVE (E) CURB & GUTTER. SAWCUT CLEAN WHEN BEGINNING & END TERMINUSES ARE ADJACENT TO AREAS "TO REMAIN"		
	04 DEMOLISH & REMOVE (E) CONCRETE		
	DEMOLISH & REMOVE (E) ASPHALTIC CONCRETE PAVING. SAWCUT CLEAN WHEN BEGINNING & END TERMINUSES ARE ADJACENT TO AREAS "TO REMAIN"	REFER TO CIVIL	
	O6 CLEAR & GRUB (E) LANDSCAPE AREA. REFER TO TREE PROTECTION NOTES WHERE APPLICABLE		
	07 DEMOLISH & REMOVE (E) GRAVEL		
\$	08 DEMOLISH & REMOVE (E) LIGHT POLE		
	SYMBOL X	DEMOLISH AND REMOVE EXISTING TREE OR STUMP DEMOLISH AND REMOVE EXISTING FENCE (NIC) DEMOLISH & REMOVE (E) CURB & GUTTER. SAWCUT CLEAN WHEN BEGINNING & END TERMINUSES ARE ADJACENT TO AREAS "TO REMAIN" DEMOLISH & REMOVE (E) CONCRETE DEMOLISH & REMOVE (E) ASPHALTIC CONCRETE PAVING. SAWCUT CLEAN WHEN BEGINNING & END TERMINUSES ARE ADJACENT TO AREAS "TO REMAIN" DEMOLISH & GRUB (E) LANDSCAPE AREA. REFER TO TREE PROTECTION NOTES WHERE APPLICABLE DEMOLISH & REMOVE (E) GRAVEL	

PRESERVATION SCHEDULE

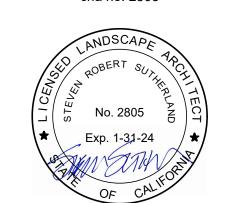
SYMBOL	<u>ITEM</u>	REMARKS
	TREE PROTECTION FENCE STAKED AT TREE DRIP LINE, UNLESS NOTED OTHERWISE. REFER TO TREE PROTECTION SPECS AND DETAIL E / L-12.0	PROTECT IN PLACE
\odot	EXISTING TREE TO REMAIN. REFER TO TREE PROTECTION NOTES FOR ADDITIONAL INFORMATION	PROTECT IN PLACE
-00	CHAINLINK CONSTRUCTION FENCE. CONTRACTOR TO ADJUST FENCE AS NEEDED TO ALLOW FOR PROJECT IMPROVEMENTS. ENSURE FENCE PERIMETER IS SECURE AT ALL TIMES	PROTECT IN PLACE
	04 NOT USED	
	05 NOT USED	
——— SS ———	(E) SANITARY SEWER LINE & CLEANOUTS TO REMAIN. WHERE APPLICABLE	REFER TO CIVIL DRAWINGS FOR MORE INFORMATION
w	- 07) (E) WATER LINE TO REMAIN	REFER TO CIVIL
M	(E) WATER METER TO REMAIN	REFER TO CIVIL
SEE PLANS	(E) VALVE BOX TO REMAIN	REFER TO CIVIL
D	(E) DRAIN INLET TO REMAIN	REFER TO CIVIL
——— UG ———	- (11) (E) GAS LINE TO REMAIN	REFER TO CIVIL
SEE PLANS	(E) PROPANE TANKS TO REMAIN	REFER TO CIVIL
SEE PLANS	(E) CONCRETE WALK TO REMAIN	PROTECT IN PLACE
	(E) BOLLARD TO REMAIN	PROTECT IN PLACE
SEE PLANS	(E) BUS STOP	PROTECT IN PLACE



ANDSCAPE ARCHITEC

303 potrero street, suite 40-c
santa cruz, ca 95060
p: 831.459.0455
f: 831-459-0484

www.ssala.com crla no. 2805



NG CONDITIONS OLITION PLAN

AGENCY APPROVAL

REVISIONS
NO. DATE PURPOSE

DRAWN BY • RT

CHECKED • KF

SCALE • 1" = 20'-0"

DATE • 04.26.2022

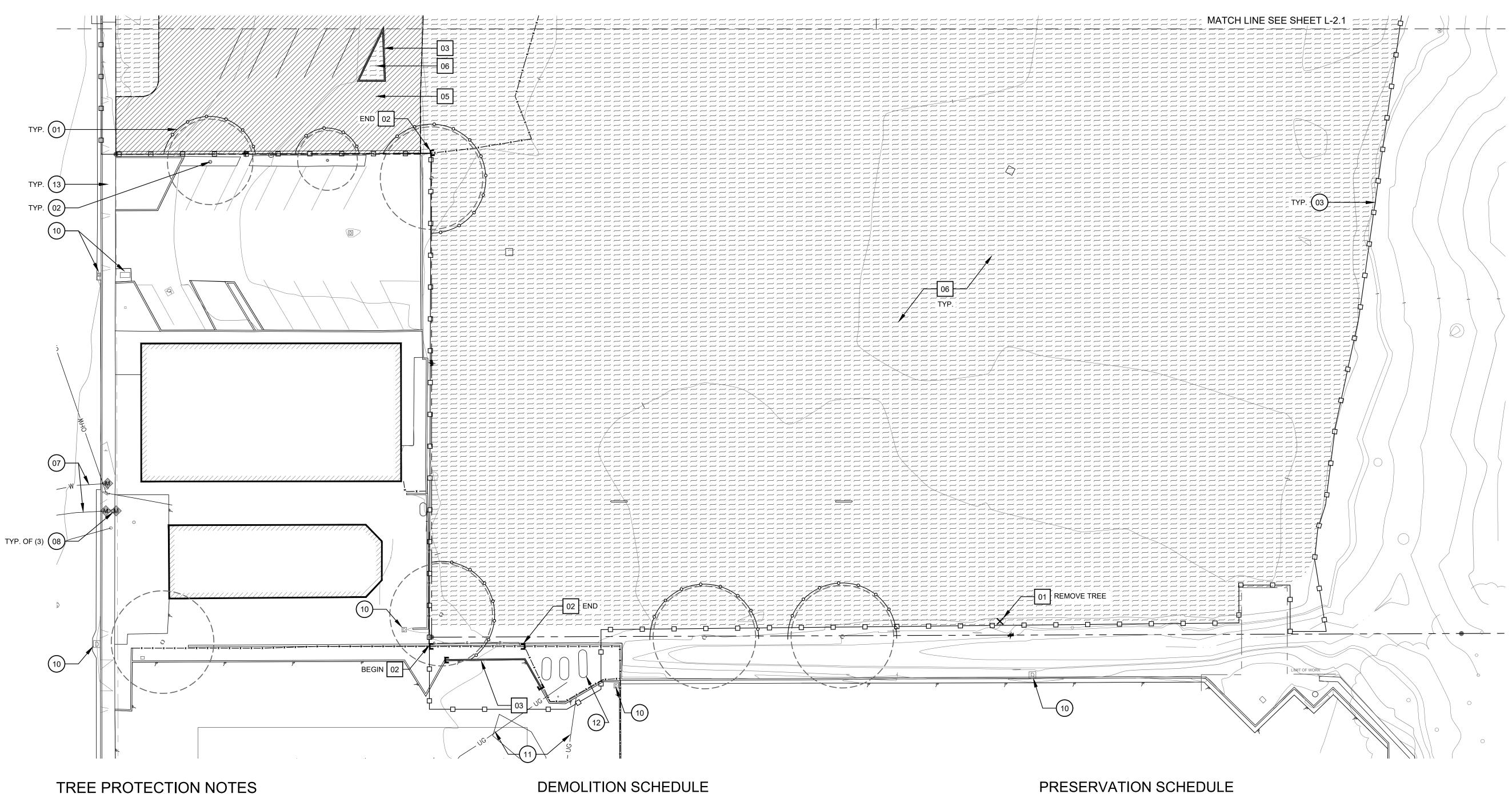
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EXISTING CONDITIONS
& DEMOLITION PLAN

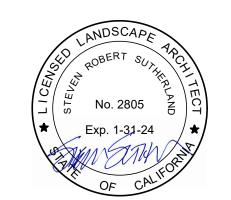
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KEYMAP

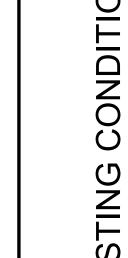
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NOTE: TREE STUMPS ALONG THE LAKE ARE TO REMAIN, TYP.



AGENCY APPROVAL

REVISIONS NO. DATE		PURPOSE
DRAWN BY	•	RT
CHECKED	•	KF
SCALE	•	1" = 20'-0"

• 04.26.2022 • 200009.00

EXISTING CONDITIONS & DEMOLITION PLAN

TREE PROTECTION NOTES

- 1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL SUBCONTRACTORS AND WORK THAT MAY IMPACT TREE HEALTH.
- 2. PRE-CONSTRUCTION CONFERENCE IS TO BE SCHEDULED PRIOR TO ANY WORK, WITH ALL AFFECTED SUBCONTRACTORS IN ATTENDANCE. REVIEW OF TREE PROTECTION FENCING SHALL OCCUR DURING THIS
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- TREE PROTECTION FENCING SHALL BE 6' CHAINLINK FENCE ON CONCRETE BLOCKS, INSTALLED AT THE DRIPLINE AROUND THE TREES AS INDICATED ON THIS PLAN, SO AS TO PREVENT INJURY TO TREES, MAKING THEM SUSCEPTIBLE TO DISEASE-CAUSING ORGANISMS. SIGNAGE IS TO BE INSTALLED EVERY 50. SIGNAGE TO BE 8" X 11" MINIMUM SIZE, LAMINATED AND PERMANENTLY ATTACHED TO THE FENCE FABRIC. SIGNS SHALL READ IN "TREE PROTECTION FENCING - KEEP OUT" IN 2" HIGH LETTERS.
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- WATER IS TO BE SUPPLIED TO THE EXISTING TREES TO MAINTAIN AN ENVIRONMENT SIMILAR TO WHAT THE TREE HAS BEEN ACCUSTOMED. THIS MAY REQUIRE WATER TO BE BROUGHT IN, AND / OR IRRIGATION WITH DRIP HOSE LOCATED IN RINGS AROUND THE TREE TRUNK WITHIN THE DRIPLINE.
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- 10. AFTER CONSTRUCTION OPERATIONS ARE COMPLETE, REMOVE ALL PROTECTION MATERIALS.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ANY TREE DUE TO CONSTRUCTION OPERATIONS. IF TREE DAMAGE OCCURS, IT SHALL BE IMMEDIATELY REPORTED BY THE PERSON CAUSING THE DAMAGE TO THE CITY REPRESENTATIVE.

DEMOLITION SCHEDULE

SYMBOL	<u>ITEM</u>	<u>REMARKS</u>
×	01 DEMOLISH AND REMOVE EXISTING TREE OR STUMP	REMOVE AND TRANSPORT STUMPS. SEE NOTE 10
E- × × -=	02 DEMOLISH AND REMOVE EXISTING FENCE (NIC)	
=======================================	DEMOLISH & REMOVE (E) CURB & GUTTER. SAWCUT CLEAN WHEN BEGINNING & END TERMINUSES ARE ADJACENT TO AREAS "TO REMAIN"	
	04 DEMOLISH & REMOVE (E) CONCRETE	
	DEMOLISH & REMOVE (E) ASPHALTIC CONCRETE PAVING. SAWCUT CLEAN WHEN BEGINNING & END TERMINUSES ARE ADJACENT TO AREAS "TO REMAIN"	REFER TO CIVIL
	O6 CLEAR & GRUB (E) LANDSCAPE AREA. REFER TO TREE PROTECTION NOTES WHERE APPLICABLE	
	07 DEMOLISH & REMOVE (E) GRAVEL	
\$	08 DEMOLISH & REMOVE (E) LIGHT POLE	

	TREE PROTECTION FENCE STAKED AT TREE DRIP LINE, UNLESS NOTED OTHERWISE. REFER TO TREE PROTECTION SPECS AND DETAIL E / L-12.0	PROTECT IN PLACE
\odot	EXISTING TREE TO REMAIN. REFER TO TREE PROTECTION NOTES FOR ADDITIONAL INFORMATION	PROTECT IN PLACE
-0	CHAINLINK CONSTRUCTION FENCE. CONTRACTOR TO ADJUST FENCE AS NEEDED TO ALLOW FOR PROJECT IMPROVEMENTS. ENSURE FENCE PERIMETER IS SECURE AT ALL TIMES	PROTECT IN PLACE
	04 NOT USED	
	05 NOT USED	
——— SS ———	(E) SANITARY SEWER LINE & CLEANOUTS TO REMAIN. WHERE APPLICABLE	REFER TO CIVIL DRAWINGS FOR MORE INFORMATION
——— W ———	(E) WATER LINE TO REMAIN	REFER TO CIVIL
M	(E) WATER METER TO REMAIN	REFER TO CIVIL
SEE PLANS	(E) VALVE BOX TO REMAIN	REFER TO CIVIL
D	(E) DRAIN INLET TO REMAIN	REFER TO CIVIL
——— UG ———	- (11) (E) GAS LINE TO REMAIN	REFER TO CIVIL
SEE PLANS	(E) PROPANE TANKS TO REMAIN	REFER TO CIVIL
SEE PLANS	(E) CONCRETE WALK TO REMAIN	PROTECT IN PLACE

(14) (E) BOLLARD TO REMAIN

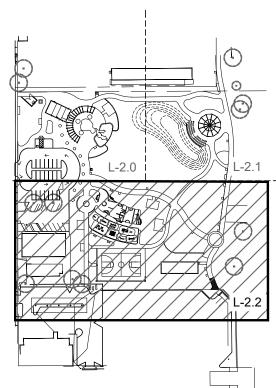
(E) BUS STOP

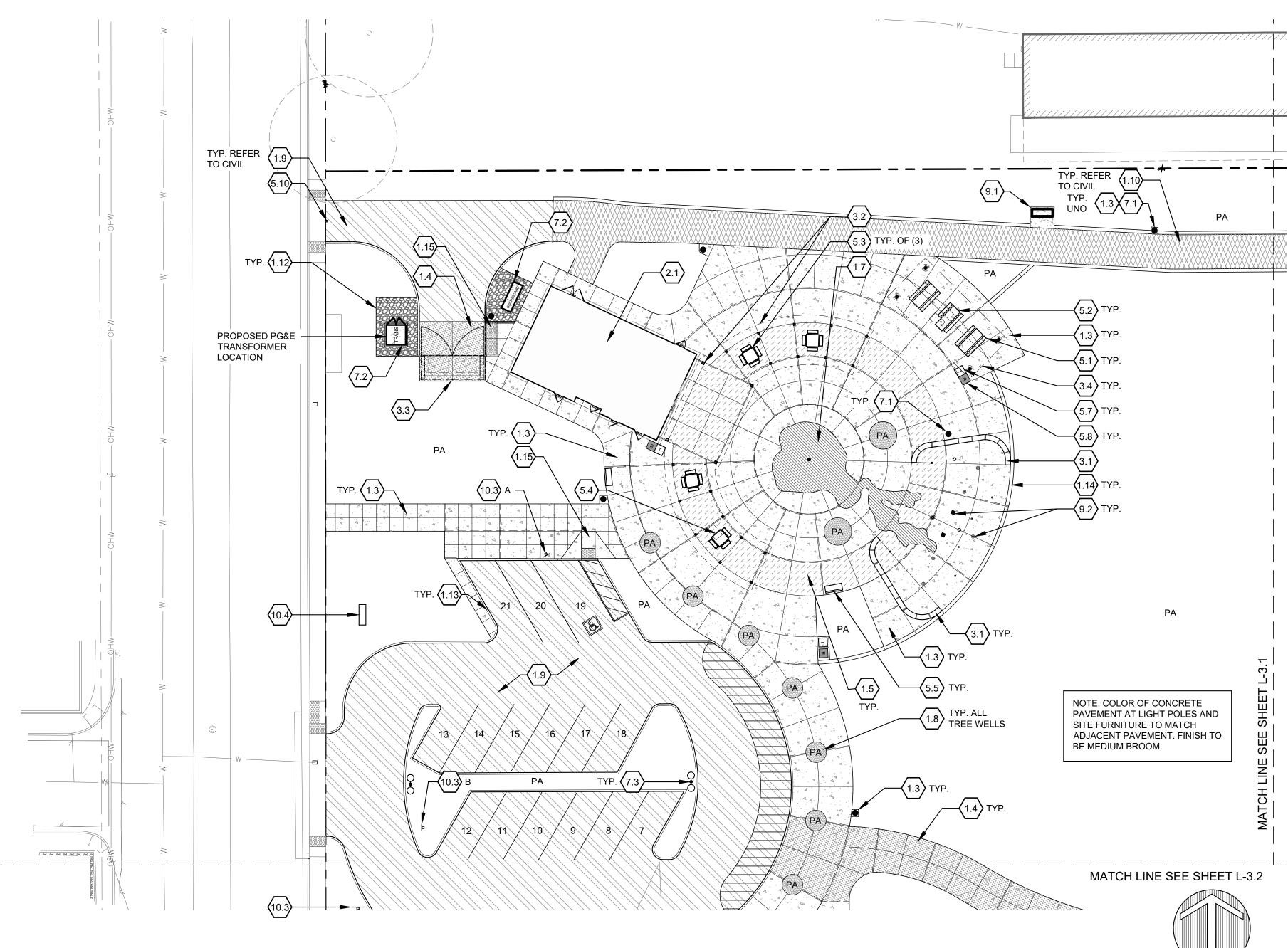
REMARKS

PROTECT IN PLACE

PROTECT IN PLACE

<u>SYMBOL</u>





SITE PLAN NOTES

- 1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORK, INCLUDING BUT NOT LIMITED TO UTILITY LOCATIONS, PROPERTY LINES, EXISTING TREE CONDITIONS, AND LIMITS OF WORK. NOTIFY THE OWNERS REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 2. CONTRACTOR SHALL CONTACT USA UNDERGROUND SERVICE ALERT (800) 642-2444 PRIOR TO COMMENCEMENT OF CONSTRUCTION DEMOLITION, GRADING OR EXCAVATION.
- 3. CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING TREES AND VEGETATION THAT IS NOT SCHEDULED FOR DEMOLITION. REFER TO TREE PROTECTION NOTES. THIS MAY INCLUDE OFF-SITE TREES WHERE THE CANOPY OR ROOT SYSTEM EXTENDS BEYOND THE PROPERTY LINE.
- 4. ACCESS ROUTES AND STAGING AREAS ARE TO BE STRICTLY ADHERED TO.
- 5. UPON COMPLETION OF ACCESS AND STAGING, THE SITE SHALL BE REPAIRED TO "AS WAS" OR BETTER THAN EXISTING CONDITIONS.
- 6. THE CONTRACTOR SHALL CONTINUALLY REFER TO ALL DRAWINGS, ADDENDA, REPORTS AND SPECIFICATIONS DURING THE LIFE OF THE PROJECT FOR CONSTRUCTION INFORMATION.
- 7. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO THE EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
- 8. ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND INSPECTED BY CITY ENGINEER PRIOR TO PLACING ANY CONCRETE.
- 9. CONTRACTOR IS SOLELY RESPONSIBLE TO ARRANGE FOR ALL SITE INSPECTIONS AND OBSERVATIONS DESCRIBED IN THE CONTRACT DOCUMENTS. MINIMUM LEAD TIME FOR INSPECTION/OBSERVATION REQUESTS IS 48 HOURS.
- 10. REFER TO TECHNICAL SPECIFICATION AND GEOTECHNICAL INVESTIGATION REPORT FOR SUB-BASE AND COMPACTION REQUIREMENTS.
- 11. ALL BENCHES SHALL BE INSTALLED TO MEET REQUIREMENTS PER CC TITLE 24 AND THE CURRENT CALIFORNIA BUILDING CODE AT TIME OF CONSTRUCTION.

MATERIALS AND FINISHES NOTES

FOR MEANS OF COMPARISON TO ACTUAL POUR.

- SITE FURNISHINGS AND FITNESS EQUIPMENT SHALL BE INSTALLED IN STRICT ADHERENCE TO MANUFACTURER'S RECOMMENDATIONS.
- 2. CONCRETE FINISHES SHALL BE PER SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL PROVIDE 4 FT x 4 FTMOCK-UPS, UNLESS OTHERWISE NOTED, FOR ALL SPECIFIED CONCRETE FINISHES USING THE SAME MATERIALS THAT WILL BE USED IN THE ACTUAL CONSTRUCTION FOR EACH TYPE SPECIFIED. SAMPLES SHALL BE PREPARED WELL ENOUGH IN ADVANCE OF SCHEDULED CONCRETE POUR TO ALLOW FOR REVIEW AND POSSIBLE RE-POURING OF UNACCEPTABLE SAMPLES. UNACCEPTABLE SAMPLES SHALL BE RE-PREPARED UNTIL ACCEPTED BY THE CITY ENGINEER. ACCEPTED SAMPLES SHALL BE RETAINED ON SITE
- 3. SKATE PARK AND SPLASH PAD FINISHES SHALL BE PER SPECIFICATIONS. THESE ARE SPECIALTY FINISHES.

GRAPHIC LEGEND

SYMBOL	<u>ITEM</u>
PA	PLANTING AREA
	MATCHLINE
	EXISTING PROPERTY LINE
	PROPOSED PROPERTY LINE
	EASEMENT
LIMIT OF WORK	LIMIT OF WORK
	CONCRETE JOINT
	EXPANSION JOINT
\odot	EXISTING TREE

SITE SCHEDUI F

SITE SCH	HEDL	JLE			
SYMBOL	1.0	ITEM HARDSCAPE	DETAIL	MAT. & FINISH	<u>NOTE</u>
SEE PLANS	$\langle 1.0 \rangle$	CONSTRUCT CONCRETE PAVING	CITY STND.	COLOR: NATURAL GREY /	
	\geq	CONSTRUCT DECORATIVE CONCRETE	SEE CIVIL	FINISH: BROOM FINISH COLOR: DAVIS HARVEST GOLD /	CITY FURNISHED STAMP
	(1.1)	PAVING TYPE 01-PEDESTRIAN CONSTRUCT DECORATIVE CONCRETE	A/L-8.0	FINISH: STAMPED CONCRETE COLOR: DAVIS HARVEST GOLD /	MOCK-UP REQUIRED CITY FURNISHED STAMP
	(1.2)	PAVING TYPE 01 - VEHICULAR	A/L-8.0	FINISH: STAMPED CONCRETE	MOCK-UP REQUIRED
4	(1.3)	CONSTRUCT CONCRETE PAVING TYPE 02 - PEDESTRIAN	A/L-8.0	COLOR: NATURAL GREY / FINISH: MEDIUM BROOM	
31	$\langle 1.4 \rangle$	CONSTRUCT CONCRETE PAVING TYPE 02 - VEHICULAR	A/L-8.0	COLOR: NATURAL GREY / FINISH: MEDIUM BROOM	
///////////////////////////////////////	$\langle 1.5 \rangle$	CONSTRUCT DECORATIVE CONCRETE	A/L-8.0	COLOR: HARVEST GOLD /	MOCK-UP REQUIRED
	\rightarrow	PAVING TYPE 03 -PEDESTRIAN CONSTRUCT DECORATIVE CONCRETE		FINISH: TOPCAST RETARDANT 150 COLOR: HARVEST GOLD /	REFER TO SPECS MOCK-UP REQUIRED
	(1.6)	PAVING TYPE 03 - VEHICULAR	A/L-8.0	FINISH: TOPCAST RETARDANT 150	REFER TO SPECS
	$\langle 1.7 \rangle$	CONSTRUCT DECORATIVE CONCRETE PAVING TYPE 04	A/L-8.0	COLOR: DAVIS EUROBLUE / FINISH: TOPCAST RETARDANT 200	MOCK-UP REQUIRED REFER TO SPECS
	(1.8)	CONSTRUCT DECOMPOSED GRANITE	F/L-12.0	COLOR: CALIFORNIA GOLD	
	$\langle 1.9 \rangle$	CONSTRUCT VEHICULAR ASPHALT PAVING WHERE INDICATED	SEE CIVIL		REFER TO CIVIL PLANS
XXXXXXXXXXXX	(1.10)	CONSTRUCT PEDESTRIAN ASPHALT PAVING	SEE CIVIL		REFER TO CIVIL PLANS
XXXXXXXXXXX	\geq	WITH BASE ROCK EDGE		SURFACE AMERICA PLAYBOUND	NEI EN TO ONIET EN MO
	(1.11)	CONSTRUCT P.I.P. RUBBER SAFETY SURFACING	F/L-8.0	COLOR: 50% HUNTER 50% BRIGHT GRE	EEN
	(1.12)	CONSTRUCT PEA GRAVEL WITH REDWOOD HEADER	G/L-8.0	AVAILABLE AT HAROLD SMITH & SON, I	NC.
	= (1.13)	CONSTRUCT CONCRETE CURB	SEE CIVIL	COLOR AND FINISH: MATCH ADJACENT PAVEMENT	REFER TO CIVIL PLANS
	$=$ $\langle 1.14 \rangle$	CONSTRUCT CONCRETE BAND/MOW BAND	C/L-8.0	COLOR AND FINISH: MATCH ADJACENT PAVEMENT	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(1.15)	CONSTRUCT CURB RAMP	B,C,D / L8.2	COLOR: NATURAL GREY, FINISH: HEAV	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			₽,♥,₽ / LO.Z	TRUNCATED DOMES COLOR: CITY STA	NDARD
SEE DI ANO	$\frac{2.0}{2.1}$	BUILDINGS INSTALL PREFABRICATED CONCESSIONS AND	A // . C . C	DI IDI IO DECTROOM BUILDING GUSTOVICE	OWNER FURNISHED.
SEE PLANS	2.1	RESTROOM BUILDING	A/L-6.0	PUBLIC RESTROOM BUILDING CUSTOM MO	CONTRACTOR INSTALLE
	3.0	STRUCTURES		COLOR: NATURAL GREY	
	□ ⟨3.1⟩	CONSTRUCT SEAT WALL	D/L-8.0	FINISH: TOPCAST 5	
SEE PLANS	$\langle 3.2 \rangle$	CONSTRUCT ARBOR AND PERGOLA	A/L-8.1	COLOR: DARK BRONZE FINISH WITH ST GLULAM / ALASKAN YELLOW CEDAR	AINED
SEE PLANS	$\langle 3.3 \rangle$	CONSTRUCT TRASH ENCLOSURE WITH FENCE	A/L-8.4	CHAINLINK: BLACK POWDERCOAT WITH SLATS.	
SEE PLANS	$\langle 3.4 \rangle$	INSTALL SHADE SHELTER - PICNIC	C/L-8.3	POLIGON GABLE ROOF - REK 16X34	OWNER FURNISHED.
	\rightarrow		R-3.0	POLIGON CLERESTROY PAVILION -	CONTRACTOR INSTALLE OWNER FURNISHED.
SEE PLANS	(3.5)	INSTALL SHADE SHELTER - PAVILION	R-2.0	GCO3-40	CONTRACTOR INSTALLE
	4.0	<u>FENCING</u>			
— x —	- (4.1)	PROVIDE & INSTALL CHAIN LINK FENCE - 8' HT.	D/L-8.3	COLOR: BLACK POWDERCOAT	
	5.0	SITE FURNISHINGS			
	(5.1)	PROVIDE & INSTALL PICNIC TABLE - RECTANGLE	C/L-8.3	MODEL #100S BY OUTDOOR CREATION COLOR: TAN	S, INC.
	$\langle 5.2 \rangle$	PROVIDE & INSTALL ACCESSIBLE PICNIC TABLE - RECTANGLE	C/L-8.3	MODEL #100SRE BY OUTDOOR CREATICOLOR: TAN	ONS, INC.
	(5.3)			MODEL #108S BY OUTDOOR CREATION	S, INC.
		PROVIDE & INSTALL ACCESSIBLE PICNIC TABLE -		COLOR: TAN MODEL #108AC BY OUTDOOR CREATIO	NS INC
	(5.4)	SQUARE		COLOR: TAN	
	$\langle 5.5 \rangle$	PROVIDE & INSTALL BENCH - BACKED		MODEL #416 BY OUTDOOR CREATIONS COLOR: TAN	, INC.
	$\langle 5.6 \rangle$	PROVIDE & INSTALL BENCH - BACKLESS		MODEL #402 - 48" CUSTOM BENCH BY OUTDOOR CREATIONS, INC. COLOR:TA	N
T R	$\langle 5.7 \rangle$	PROVIDE & INSTALL TRASH & RECYCLING RECEPTACLES	F/L-8.2	MODEL #507 BY OUTDOOR CREATIONS	,
		INSTALL RECYCLING RECEPTACLES		WITH CITY STANDARD LOGOS. COLOR: MODEL #507 BY OUTDOOR CREATIONS	
R	(5.8)	PROVIDED BY CITY	F/L-8.2	WITH CITY STANDARD LOGOS. COLOR:	TAN
	(5.9)	PROVIDE & INSTALL BIKE RACKS	E/L-8.3	DERO ROUND RACK MODEL COLOR: BLUE	
•	(5.10)	PROVIDE & INSTALL BOLLARDS	E/L-8.2	MAXI-FORCE COLLAPSIBLE BOLLARD MODEL: MCSP-SS1-S	
	6.0			COLOR: POWDER COATED DK BRONZE	
	6.0	SPORTS EQUIPMENT PROVIDE AND INSTALL BASKETBALL COURT & SPORTS		POST: LA STEELCRAFT MODEL # LA-120 COLOR: NAVY BLUE	
SEE PLANS	(6.1)	EQUIPMENT	A/L-8.3	BACKBOARD: LA STEELCRAFT MODEL # LA-	
		INICTALL FITNESS FOLUBRIENT DES MANUELS COURSES		WITH LA 34 NET LANDSCAPE STRUCTURES INC. DESIGN	V CAMES ELECTION
SEE PLANS	(6.2)	INSTALL FITNESS EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS	L-5.1	# 1146672-01-04 COLOR: PALETTE AZ	OWNER FURNISHED. CONTRACTOR INSTALLE
	7.0	<u>LIGHTING</u>		. <u> </u>	
	7.1	PROVIDE & INSTALL DECORATIVE PATH POLE LIGHT	H/L-8.2	COLOR: DARK BRONZE	REFER TO ELECTRICAL
	$\langle 7.2 \rangle$	INSTALL ELECTRICAL UTILITY			REFER TO ELECTRICAL
	$\langle 7.3 \rangle$	PROVIDE & INSTALL PARKING LOT LIGHT		COLOR: DARK BRONZE	REFER TO ELECTRICAL
	$\langle 7.4 \rangle$	PROVIDE & INSTALL SITE POLE LIGHT			REFER TO ELECTRICAL
				COLOR: DARK BRONZE	REFER TO ELECTRICAL
OFF DIAME	8.0	SKATE PARK	L-5.1 - L5.2		
SEE PLANS	(8.1)	CONSTRUCT SKATE PARK	L-8.5 - L-8.9		
	9.0	SPLASH PAD PROVIDE & INSTALL MANIFOLD ENCLOSURE WITH	L-5.0 AND SP1.0	WATER ODYSSEY	
SEE PLANS	(9.1)	CONTROLLER AND MANIFOLD	R-1	DWG W23034	L-3.1
	9.2	PROVIDE & INSTALL SPLASHPAD EQUIPMENT	L-5.0 AND SP1.0. R-1	DWG W23034	
	10.0	MISCELLANEOUS			
	(10.1)	INSTALL BOULDERS	G / L-8.2 AND C / L-8.7	OWNER FURNISHED. CONTRACTOR INSTALLED	
	(10.1)	BIOSWALE	REFER TO		L-3.2
			CIVIL PLANS		\ \dagger_\dagger_\lambda \ \lambda \ \ \ \ \ \ \ \ \ \ \ \ \
	(10.2)			\ <u></u>	—¬╣ <i>∫</i>
			A/L-8.2	NIC 0000001111	
	(10.2)			NIC - COORDINATE WITH THE CITY REPRESENTATIVE	KEYMAP



LANDSCAPE ARCHITECTS

303 potrero street, suite 40-c
santa cruz, ca 95060

p: 831.459.0455 f: 831-459-0484

www.ssala.com crla no. 2805



TE PLAN

AGENCY APPROVAL

REVISIONS
NO. DATE PURPOSE

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CHECKED • KF

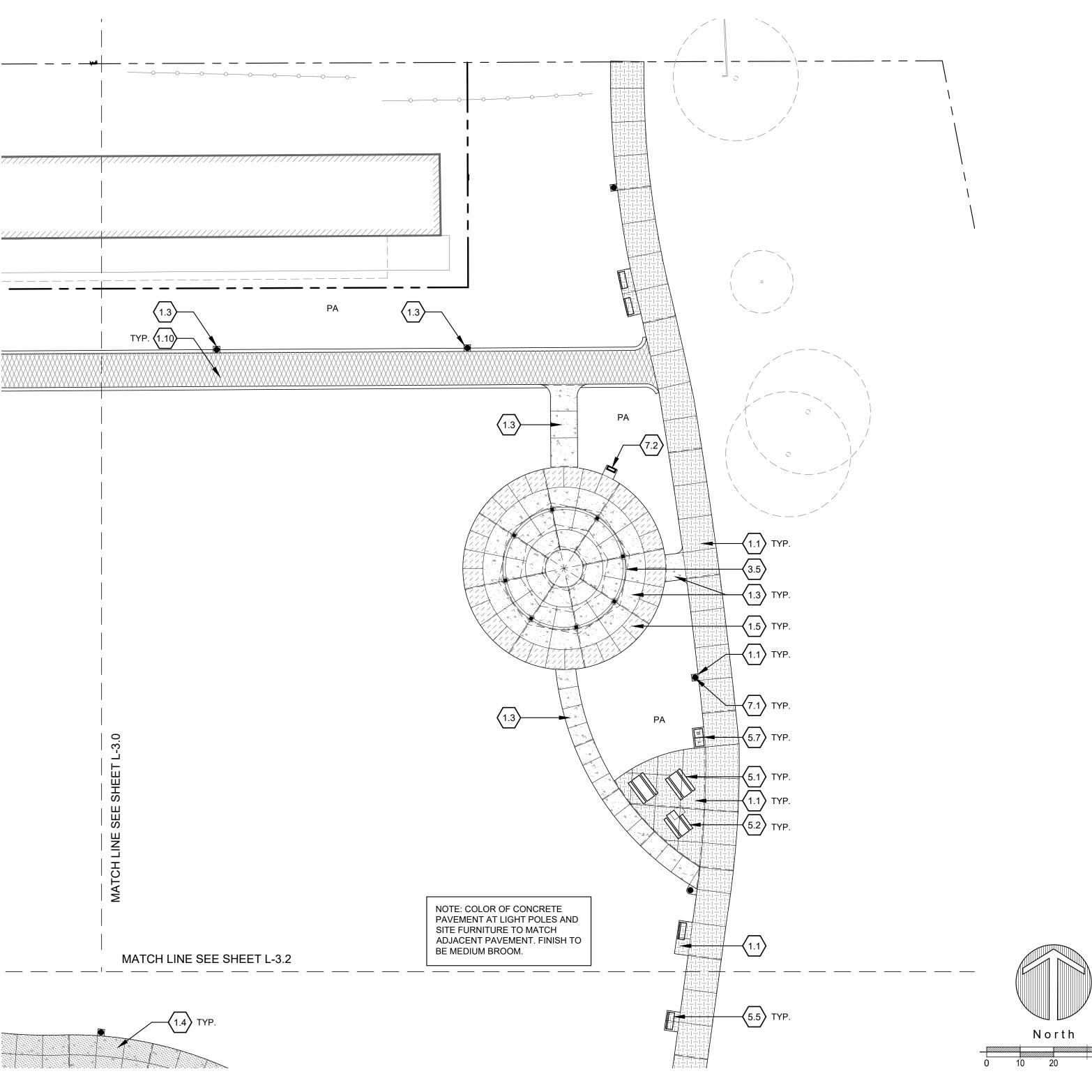
SCALE • 1" = 20'-0"

JOB • 200009.00

SITE PLAN

DATE • 04.26.2022

L-3.0



SITE PLAN NOTES

- 1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORK, INCLUDING BUT NOT LIMITED TO UTILITY LOCATIONS, PROPERTY LINES, EXISTING TREE CONDITIONS, AND LIMITS OF WORK. NOTIFY THE OWNERS REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 2. CONTRACTOR SHALL CONTACT USA UNDERGROUND SERVICE ALERT (800) 642-2444 PRIOR TO COMMENCEMENT OF CONSTRUCTION DEMOLITION, GRADING OR EXCAVATION.
- 3. CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING TREES AND VEGETATION THAT IS NOT SCHEDULED FOR DEMOLITION. REFER TO TREE PROTECTION SPECIFICATIONS. THIS MAY INCLUDE OFF-SITE TREES WHERE THE CANOPY OR ROOT SYSTEM EXTENDS BEYOND THE PROPERTY LINE.
- 4. ACCESS ROUTES AND STAGING AREAS ARE TO BE STRICTLY ADHERED TO.
- 5. UPON COMPLETION OF ACCESS AND STAGING, THE SITE SHALL BE REPAIRED TO "AS WAS" OR BETTER THAN EXISTING CONDITIONS.
- 6. THE CONTRACTOR SHALL CONTINUALLY REFER TO ALL DRAWINGS, ADDENDA, REPORTS AND SPECIFICATIONS DURING THE LIFE OF THE PROJECT FOR CONSTRUCTION INFORMATION.
- 7. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO THE EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
- 8. ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND INSPECTED BY CITY ENGINEER PRIOR TO PLACING ANY CONCRETE.
- 9. CONTRACTOR IS SOLELY RESPONSIBLE TO ARRANGE FOR ALL SITE INSPECTIONS AND OBSERVATIONS DESCRIBED IN THE CONTRACT DOCUMENTS. MINIMUM LEAD TIME FOR INSPECTION/OBSERVATION REQUESTS IS 48 HOURS.
- 10. REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR SUB-BASE AND COMPACTION REQUIREMENTS.
- 11. ALL BENCHES SHALL BE INSTALLED TO MEET REQUIREMENTS PER CC TITLE 24 AND THE CURRENT CALIFORNIA BUILDING CODE AT TIME OF CONSTRUCTION.

MATERIALS AND FINISHES NOTES

- 1. SITE FURNISHINGS AND FITNESS EQUIPMENT SHALL BE INSTALLED IN STRICT ADHERENCE TO MANUFACTURER'S RECOMMENDATIONS.
- 2. CONCRETE FINISHES SHALL BE PER SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL PROVIDE 4 FT x 4 FTMOCK-UPS, UNLESS OTHERWISE NOTED, FOR ALL SPECIFIED CONCRETE FINISHES USING THE SAME MATERIALS THAT WILL BE USED IN THE ACTUAL CONSTRUCTION FOR EACH TYPE SPECIFIED. SAMPLES SHALL BE PREPARED WELL ENOUGH IN ADVANCE OF SCHEDULED CONCRETE POUR TO ALLOW FOR REVIEW AND POSSIBLE RE-POURING OF UNACCEPTABLE SAMPLES. UNACCEPTABLE SAMPLES SHALL BE RE-PREPARED UNTIL ACCEPTED BY THE CITY ENGINEER. ACCEPTED SAMPLES SHALL BE RETAINED ON SITE FOR MEANS OF COMPARISON TO ACTUAL POUR.
- 3. SKATE PARK AND SPLASH PAD FINISHES SHALL BE PER SPECIFICATIONS. THESE ARE SPECIALTY FINISHES.

SITE SCH	EDL	JLE					
SYMBOL		<u>ITEM</u>	DETAIL	MAT. & FINISH	NOTE		A A
055 51 4110	1.0	HARDSCAPE	CITY STND.	COLOR: NATURAL GREY /			
SEE PLANS	(1.0)	CONSTRUCT CONCRETE PAVING CONSTRUCT DECORATIVE CONCRETE	SEE CIVIL	FINISH: BROOM FINISH COLOR: DAVIS HARVEST GOLD /	CITY FURNISHED STAMP		
	(1.1)	PAVING TYPE 01-PEDESTRIAN CONSTRUCT DECORATIVE CONCRETE		FINISH: STAMPED CONCRETE COLOR: DAVIS HARVEST GOLD /	MOCK-UP REQUIRED CITY FURNISHED STAMP	LANDSCAPE A	ARCHIT
	(1.2)	PAVING TYPE 01 - VEHICULAR CONSTRUCT CONCRETE	A/L-8.0	FINISH: STAMPED CONCRETE COLOR: NATURAL GREY /	MOCK-UP REQUIRED	303 potrero stre	
4	(1.3)	PAVING TYPE 02 - PEDESTRIAN	A/L-8.0	FINISH: MEDIUM BROOM		santa cruz, p: 831.45	9.0455
	(1.4)	CONSTRUCT CONCRETE PAVING TYPE 02 - VEHICULAR	A/L-8.0	COLOR: NATURAL GREY / FINISH: MEDIUM BROOM		f: 831-45 www.ssa	
	(1.5)	CONSTRUCT DECORATIVE CONCRETE PAVING TYPE 03 -PEDESTRIAN	A/L-8.0	COLOR: HARVEST GOLD / FINISH: TOPCAST RETARDANT 150	MOCK-UP REQUIRED REFER TO SPECS	crla no.	
	(1.6)	CONSTRUCT DECORATIVE CONCRETE PAVING TYPE 03 - VEHICULAR	A/L-8.0	COLOR: HARVEST GOLD / FINISH: TOPCAST RETARDANT 150	MOCK-UP REQUIRED REFER TO SPECS	LANDSO	APE
	(1.7)	CONSTRUCT DECORATIVE CONCRETE PAVING TYPE 04	A/L-8.0	COLOR: DAVIS EUROBLUE / FINISH: TOPCAST RETARDANT 200	MOCK-UP REQUIRED REFER TO SPECS	/ - ' /	SUTHER
	(1.8)	CONSTRUCT DECOMPOSED GRANITE	F/L-12.0	COLOR: CALIFORNIA GOLD		$\begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$ No. 28	305 RD
	(1.9)	CONSTRUCT VEHICULAR ASPHALT PAVING WHERE INDICATED	SEE CIVIL		REFER TO CIVIL PLANS	★ Exp. 1-3	
	(1.10)	CONSTRUCT PEDESTRIAN ASPHALT PAVING WITH BASE ROCK EDGE	SEE CIVIL		REFER TO CIVIL PLANS	OF OF	CALIFOR
	(1.11)	CONSTRUCT P.I.P. RUBBER SAFETY SURFACING	F/L-8.0	SURFACE AMERICA PLAYBOUND COLOR: 50% HUNTER 50% BRIGHT GREEN		<u></u>	
	(1.12)	CONSTRUCT PEA GRAVEL WITH REDWOOD HEADER	G/L-8.0	AVAILABLE AT HAROLD SMITH & SON, INC.		-	
	(1.13)	CONSTRUCT CONCRETE CURB	SEE CIVIL	COLOR AND FINISH: MATCH ADJACENT PAVEMENT	REFER TO CIVIL PLANS		
	(1.14)	CONSTRUCT CONCRETE BAND/MOW BAND	C/L-8.0	COLOR AND FINISH: MATCH ADJACENT			
00000	(1.15)	CONSTRUCT CURB RAMP	B,C,D / L8.2	PAVEMENT COLOR: NATURAL GREY, FINISH: HEAVY BRO			
2000000		BUILDINGS		TRUNCATED DOMES COLOR: CITY STANDARI)		
SEE PLANS	3.0	INSTALL PREFABRICATED CONCESSIONS AND RESTROOM BUILDING STRUCTURES	A/L-6.0	PUBLIC RESTROOM BUILDING CUSTOM MODEL.	OWNER FURNISHED. CONTRACTOR INSTALLED		
	$\overline{\langle 3.1 \rangle}$	CONSTRUCT SEAT WALL	D/L-8.0	COLOR: NATURAL GREY FINISH: TOPCAST 5			
SEE PLANS	$\langle 3.2 \rangle$	CONSTRUCT ARBOR AND PERGOLA	A/L-8.1	COLOR: DARK BRONZE FINISH WITH STAINED GLULAM / ALASKAN YELLOW CEDAR			
SEE PLANS	$\langle 3.3 \rangle$	CONSTRUCT TRASH ENCLOSURE WITH FENCE	A/L-8.4	CHAINLINK: BLACK POWDERCOAT			
SEE PLANS	$\langle 3.4 \rangle$	INSTALL SHADE SHELTER - PICNIC	C/L-8.3	WITH SLATS. POLIGON GABLE ROOF - REK 16X34	OWNER FURNISHED.		
SEE PLANS	$\langle 3.5 \rangle$	INSTALL SHADE SHELTER - PAVILION	R-3.0 R-2.0	POLIGON CLERESTROY PAVILION -	CONTRACTOR INSTALLED OWNER FURNISHED.		
		FENCING		GCO3-40	CONTRACTOR INSTALLED		
x	$\overline{\langle 4.1 \rangle}$	PROVIDE & INSTALL CHAIN LINK FENCE - 8' HT.	D/L-8.3	COLOR: BLACK POWDERCOAT			
	5.0	SITE FURNISHINGS					
	(5.1)	PROVIDE & INSTALL PICNIC TABLE - RECTANGLE	C/L-8.3	MODEL #100S BY OUTDOOR CREATIONS, INC			
	$\langle 5.2 \rangle$	PROVIDE & INSTALL ACCESSIBLE PICNIC TABLE - RECTANGLE	C/L-8.3	MODEL #100SRE BY OUTDOOR CREATIONS, I COLOR: TAN	NC.		ARK
		PROVIDE & INSTALL PICNIC TABLE - SQUARE		MODEL #108S BY OUTDOOR CREATIONS, INC		_	ட
	\(\sigma_{5.4}\)	PROVIDE & INSTALL ACCESSIBLE PICNIC TABLE -		COLOR: TAN MODEL #108AC BY OUTDOOR CREATIONS, IN	C.	Z	FRONT
		SQUARE		COLOR: TAN MODEL #416 BY OUTDOOR CREATIONS, INC.		PL,	SON KEP(
	(5.5)	PROVIDE & INSTALL BENCH - BACKED		COLOR: TAN MODEL #402 - 48" CUSTOM BENCH BY			
	(5.6)	PROVIDE & INSTALL BENCH - BACKLESS		OUTDOOR CREATIONS, INC. COLOR:TAN MODEL #507 BY OUTDOOR CREATIONS, INC.		<u> </u>	LAKE CITY OF
TR	(5.7)	PROVIDE & INSTALL TRASH & RECYCLING RECEPTACLES	F/L-8.2	WITH CITY STANDARD LOGOS. COLOR: TAN		S	
R	(5.8)	INSTALL RECYCLING RECEPTACLES PROVIDED BY CITY	F/L-8.2	MODEL #507 BY OUTDOOR CREATIONS, INC. WITH CITY STANDARD LOGOS. COLOR: TAN		AGENCY APPROVAL	
	(5.9)	PROVIDE & INSTALL BIKE RACKS	E/L-8.3	DERO ROUND RACK MODEL COLOR: BLUE			
•	(5.10)	PROVIDE & INSTALL BOLLARDS	E/L-8.2	MAXI-FORCE COLLAPSIBLE BOLLARD MODEL: MCSP-SS1-S COLOR: POWDER COATED DK BRONZE			
	6.0	SPORTS EQUIPMENT		POST: LA STEELCRAFT MODEL # LA-12C66PC			
SEE PLANS	6.1	PROVIDE AND INSTALL BASKETBALL COURT & SPORTS EQUIPMENT	A/L-8.3	COLOR: NAVY BLUE BACKBOARD: LA STEELCRAFT MODEL # LA-09 RIM/NET: LA STEELCRAFT MODEL # LA-39 RIM WITH LA 34 NET		<u> </u>	
SEE PLANS	(6.2)	INSTALL FITNESS EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS	L-5.1	LANDSCAPE STRUCTURES INC. DESIGN # 1146672-01-04	OWNER FURNISHED. CONTRACTOR INSTALLED	REVISIONS NO. DATE PI	URPOSE
		LIGHTING		COLOR: PALETTE AZ	CONTRACTOR INSTALLED		
	$\langle 7.1 \rangle$	PROVIDE & INSTALL DECORATIVE PATH POLE LIGHT	H/L-8.2	COLOR: DARK BRONZE	REFER TO ELECTRICAL		
	$\langle 7.2 \rangle$	INSTALL ELECTRICAL UTILITY			REFER TO ELECTRICAL		
	$\overline{\langle 7.3 \rangle}$	PROVIDE & INSTALL PARKING LOT LIGHT		COLOR: DARK BRONZE	 REFER!TO ELECTRICAL		
	$\langle 7.4 \rangle$	PROVIDE & INSTALL SITE POLE LIGHT		COLOR: DARK BRONZE	REFER TO ELECTRICAL		
	8.0	SKATE PARK				DRAWN BY ● F	RT
SEE PLANS	8.1	CONSTRUCT SKATE PARK	L-5.1 - L5.2 L-8.5 - L-8.9			CHECKED ●	(F
	9.0	SPLASH PAD	2.3 2 0.0		L-3.1	SCALE • 1	" = 20'-0"
SEE PLANS	9.1	PROVIDE & INSTALL MANIFOLD ENCLOSURE WITH CONTROLLER AND MANIFOLD	L-5.0 AND SP1.0. R-1	WATER ODYSSEY DWG W23034			4.26.2022
	9.2	PROVIDE & INSTALL SPLASHPAD EQUIPMENT	L-5.0 AND SP1.0. R-1	WATER ODYSSEY DWG W23034		JOB	200009.00
	10.0	MISCELLANEOUS				SITE F	PLAN
	(10.1)	INSTALL BOULDERS	G / L-8.2 AND C / L-8.7	OWNER FURNISHED. CONTRACTOR INSTALLED	L-3.2		4
	(10.2)	BIOSWALE	REFER TO CIVIL PLANS			SHEET	
	10.3	ADA PARKING LOT / PARKING STALL SIGN	A/L-8.2	N) 1
	(10.4)	PARK MONUMENT SIGN		NIC - COORDINATE WITH THE CITY REPRESENTATIVE	KEYMAP	L-3	3.1



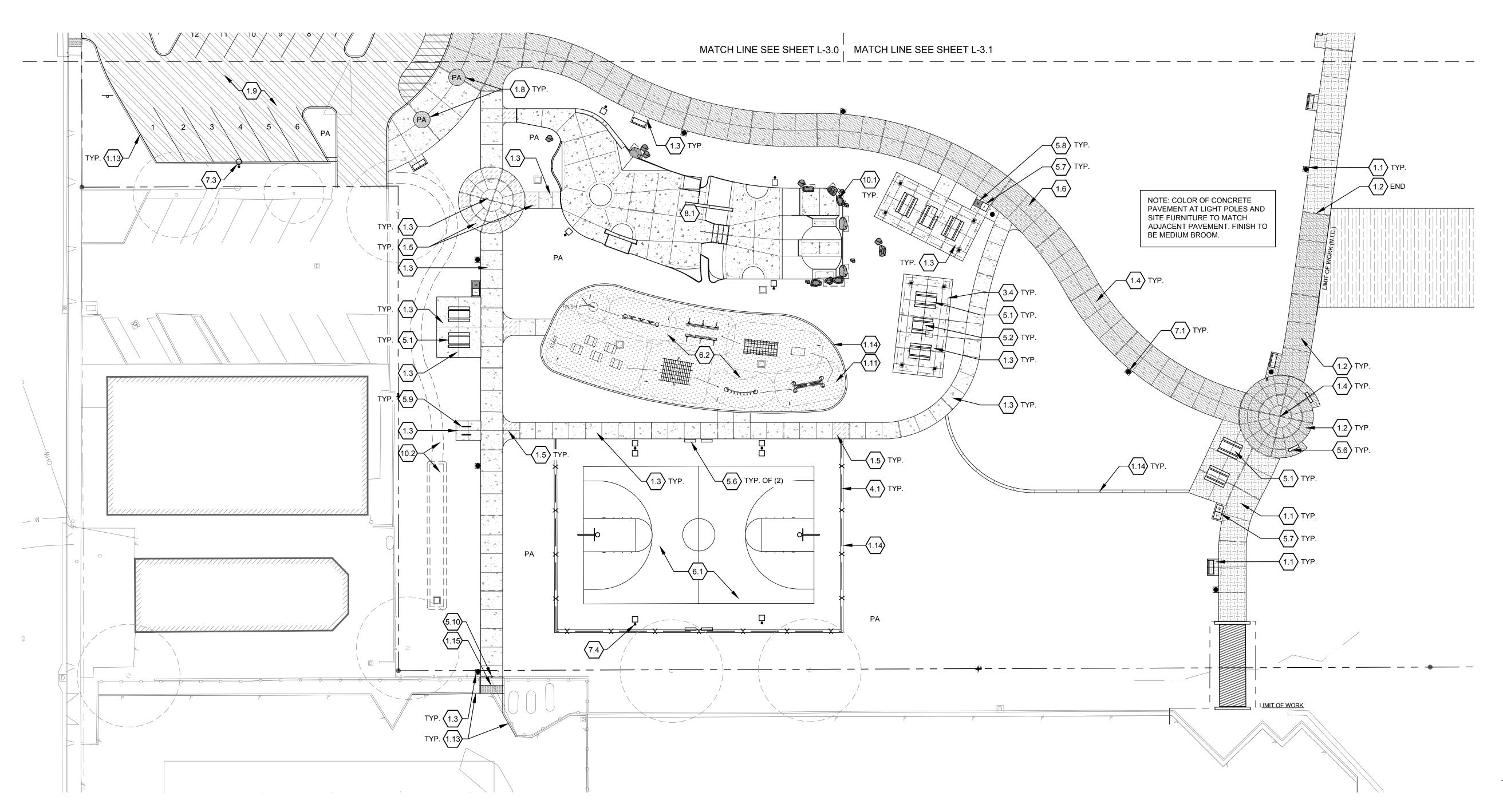
otrero street, suite 40-c anta cruz, ca 95060 p: 831.459.0455

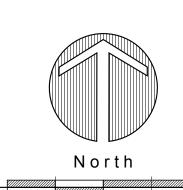


PURPOSE

 KF • 1" = 20'-0" • 04.26.2022

• 200009.00





SITE PLAN NOTES

- 1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORK, INCLUDING BUT NOT LIMITED TO UTILITY LOCATIONS, PROPERTY LINES, EXISTING TREE CONDITIONS, AND LIMITS OF WORK. NOTIFY THE OWNERS REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 2. CONTRACTOR SHALL CONTACT USA UNDERGROUND SERVICE ALERT (800) 642-2444 PRIOR TO COMMENCEMENT OF CONSTRUCTION DEMOLITION, GRADING OR EXCAVATION.
- 3. CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING TREES AND VEGETATION THAT IS NOT SCHEDULED FOR DEMOLITION. REFER TO TREE PROTECTION SPECIFICATIONS. THIS MAY INCLUDE OFF-SITE TREES WHERE THE CANOPY OR ROOT SYSTEM EXTENDS BEYOND THE PROPERTY LINE.
- 4. ACCESS ROUTES AND STAGING AREAS ARE TO BE STRICTLY ADHERED TO.
- 5. UPON COMPLETION OF ACCESS AND STAGING, THE SITE SHALL BE REPAIRED TO "AS WAS" OR BETTER THAN EXISTING CONDITIONS.
- 6. THE CONTRACTOR SHALL CONTINUALLY REFER TO ALL DRAWINGS, ADDENDA, REPORTS AND SPECIFICATIONS DURING THE LIFE OF THE PROJECT FOR CONSTRUCTION INFORMATION.
- 7. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO THE EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
- 8. ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND INSPECTED BY CITY ENGINEER PRIOR TO PLACING ANY CONCRETE.
- 9. CONTRACTOR IS SOLELY RESPONSIBLE TO ARRANGE FOR ALL SITE INSPECTIONS AND OBSERVATIONS DESCRIBED IN THE CONTRACT DOCUMENTS. MINIMUM LEAD TIME FOR INSPECTION/OBSERVATION REQUESTS IS 48 HOURS.
- 10. REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR SUB-BASE AND COMPACTION REQUIREMENTS.
- 11. ALL BENCHES SHALL BE INSTALLED TO MEET REQUIREMENTS PER CC TITLE 24 AND THE CURRENT CALIFORNIA BUILDING CODE AT TIME OF CONSTRUCTION.

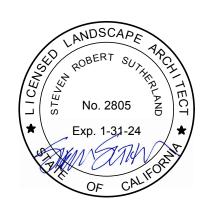
MATERIALS AND FINISHES NOTES

- 1. SITE FURNISHINGS AND FITNESS EQUIPMENT SHALL BE INSTALLED IN STRICT ADHERENCE TO MANUFACTURER'S RECOMMENDATIONS.
- 2. CONCRETE FINISHES SHALL BE PER SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL PROVIDE 4 FT x 4 FTMOCK-UPS, UNLESS OTHERWISE NOTED, FOR ALL SPECIFIED CONCRETE FINISHES USING THE SAME MATERIALS THAT WILL BE USED IN THE ACTUAL CONSTRUCTION FOR EACH TYPE SPECIFIED. SAMPLES SHALL BE PREPARED WELL ENOUGH IN ADVANCE OF SCHEDULED CONCRETE POUR TO ALLOW FOR REVIEW AND POSSIBLE RE-POURING OF UNACCEPTABLE SAMPLES. UNACCEPTABLE SAMPLES SHALL BE RE-PREPARED UNTIL ACCEPTED BY THE CITY ENGINEER. ACCEPTED SAMPLES SHALL BE RETAINED ON SITE FOR MEANS OF COMPARISON TO ACTUAL POUR.
- 3. SKATE PARK AND SPLASH PAD FINISHES SHALL BE PER SPECIFICATIONS. THESE ARE SPECIALTY FINISHES.



santa cruz, ca 95060 p: 831.459.0455 f: 831-459-0484

> www.ssala.com crla no. 2805



E PLAN

AGENCY APPROVAL

REVISIONS NO. DATE PURPOSE

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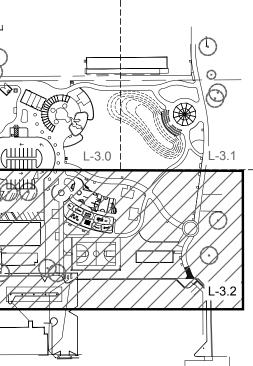
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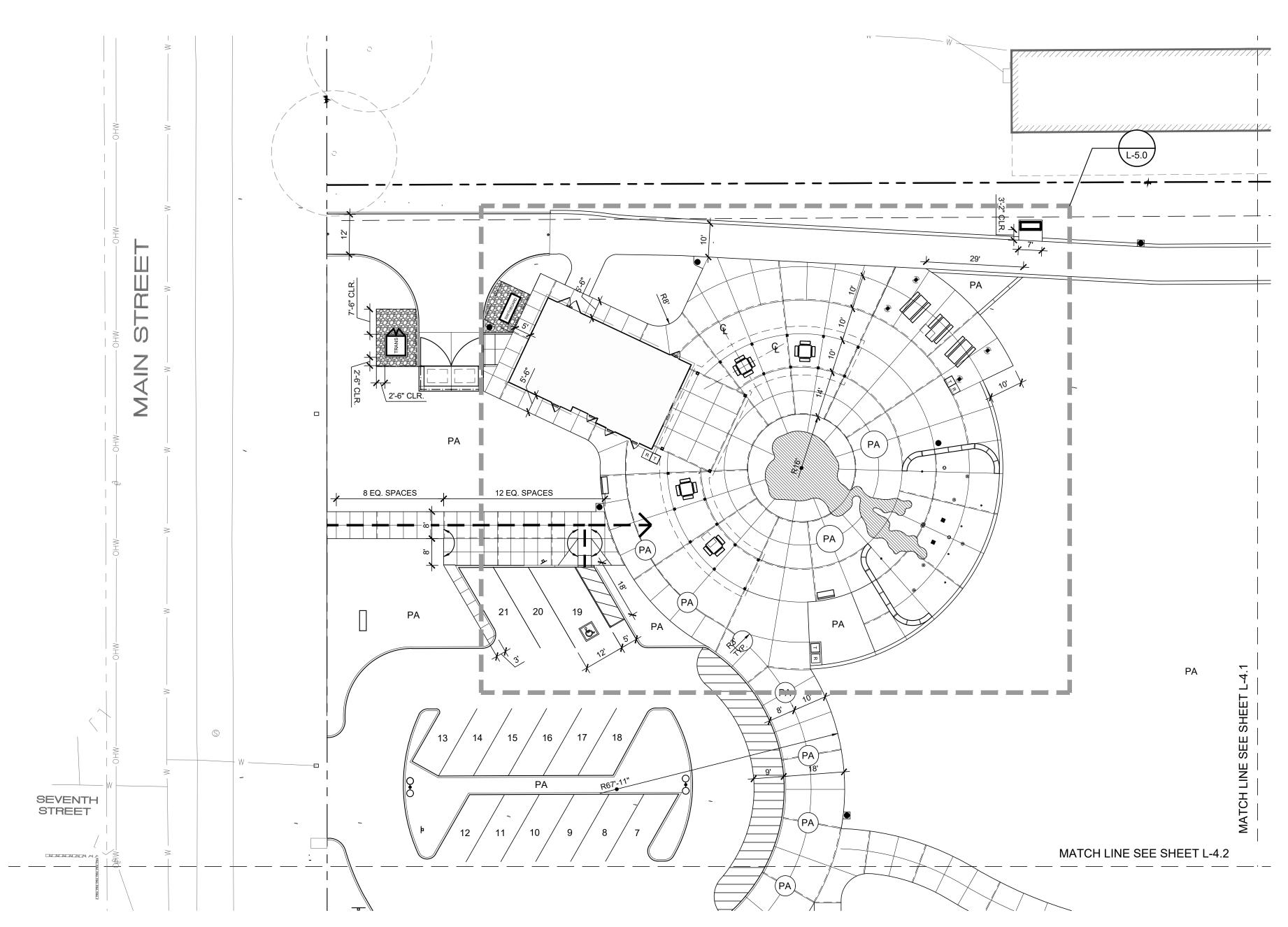
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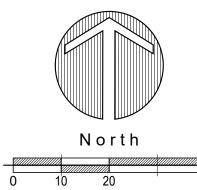
JOB • 200009.00

SITE PLAN

KEYMAP -3 7







LAYOUT NOTES

- 1. THE CONTRACTOR SHALL CONTINUALLY REFER TO ALL DRAWINGS, ADDENDA, REPORTS AND SPECIFICATIONS DURING THE LIFE OF THE PROJECT FOR CONSTRUCTION INFORMATION.
- 2. PER SPECIFICATIONS, ALL SITE ELEMENTS TO BE STAKED BY A LICENSED SURVEYOR PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS. CAD FILES WILL BE PROVIDED BUT WILL NOT BE GEOREFERENCED.
- 3. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD AND STAKED PRIOR TO ANY CONSTRUCTION. IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY SITE DISCREPANCIES OR VARIATIONS FROM THE PLANS AS DRAWN AND RE-DIRECT WORK TO AVOID DELAY.
- 4. ALL DIMENSION LINES ARE EITHER PERPENDICULAR, TANGENT, OR PARALLEL TO THE ELEMENT FROM WHICH IT IS DIMENSIONED UNLESS NOTED
- OTHERWISE.
- 5. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO THE EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
- 6. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITY AND ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE CITY IMMEDIATELY SHOULD DISCREPANCY ARISE AND RE-DIRECT WORK TO AVOID DELAY. PROCEEDING WITH WORK WITHOUT CLARIFICATION FROM ENGINEER IS DONE AT THE SOLE RISK OF THE CONTRACTOR WITH NO COMPENSATION ALLOWED FOR CHANGES NOT DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 7. AFTER ALL FORMS, REINFORCING, DOBIES AND JOINT MATERIALS ARE SECURED IN PLACE, CONTRACTOR SHALL OBTAIN REVIEW AND ACCEPTANCE BY THE CITY PRIOR TO POURING CONCRETE. CONTRACTOR SHALL GIVE A MINIMUM 2 WORKING DAY NOTICE WHEN REQUESTING REVIEW. CONTRACTOR MAY BE BACK-CHARGED FOR COST OF REVIEW IF SITE IS FOUND NOT PREPARED AS SPECIFIED.
- 8. CONTRACTOR SHALL REMOVE ALL BASE ROCK AND OVER POUR FROM PLANTING AREAS AFTER CONCRETE WORK IS COMPLETE AND BEFORE IRRIGATION AND PLANTING INSTALLATION BEGINS.
- 9. CONTRACTOR IS RESPONSIBLE TO LAYOUT FITNESS EQUIPMENT TO ENSURE FALL ZONES ARE ADEQUATE <u>PRIOR</u> TO THE INSTALLATION OF PERIMETER WORK. ENGINEER TO APPROVE LAYOUT PRIOR TO INSTALLATION OF PERIMETER CURB.
- 10. CONTRACTOR TO REFER TO MANUFACTURER'S DETAILS & INSTALLATION RECOMMENDATIONS FOR FOOTINGS PRIOR TO COMMENCING CONSTRUCTION.

ACCESSIBLE PATH OF TRAVEL NOTES

THE ACCESSIBLE PATH OF TRAVEL SHOWN IS CONTINUOUSLY ACCESSIBLE. CHANGES IN ELEVATION DO NOT EXCEED ONE-HALF INCH IF BEVELED OR WITH RADIUS, OTHERWISE 1/4". THE WIDTH IS NOT LESS THAN 48" WIDE. CROSS SLOPES DO NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%.



GRAPHIC LEGEND

SYMBOL
PA
PLANTING AREA

MATCHLINE

MATCHLINE

PROPOSED PROPERTY LINE

PROPOSED PROPERTY LINE

CONCRETE JOINT

EXPANSION JOINT

EXPANSION JOINT

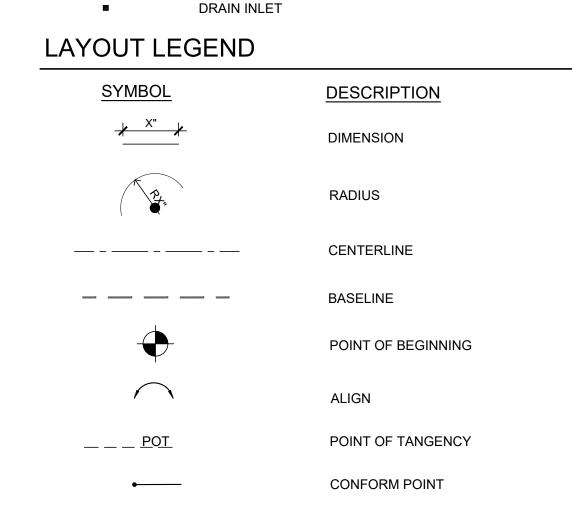
ENLARGEMENT AREA

EXISTING TREE

CONCRETE PAVING

SAFETY SURFACING

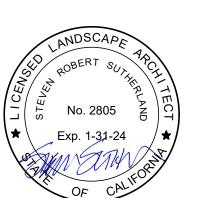
OOO LIGHTING





303 potrero street, suite 40-c santa cruz, ca 95060 p: 831.459.0455 f: 831-459-0484

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YOUT PLAN

AGENCY APPROVAL

REVISIONS NO. DATE PURPOSE

DRAWN BY • RT

CHECKED • KF

SCALE • 1" = 20'-0"

DATE • 04.26.2022

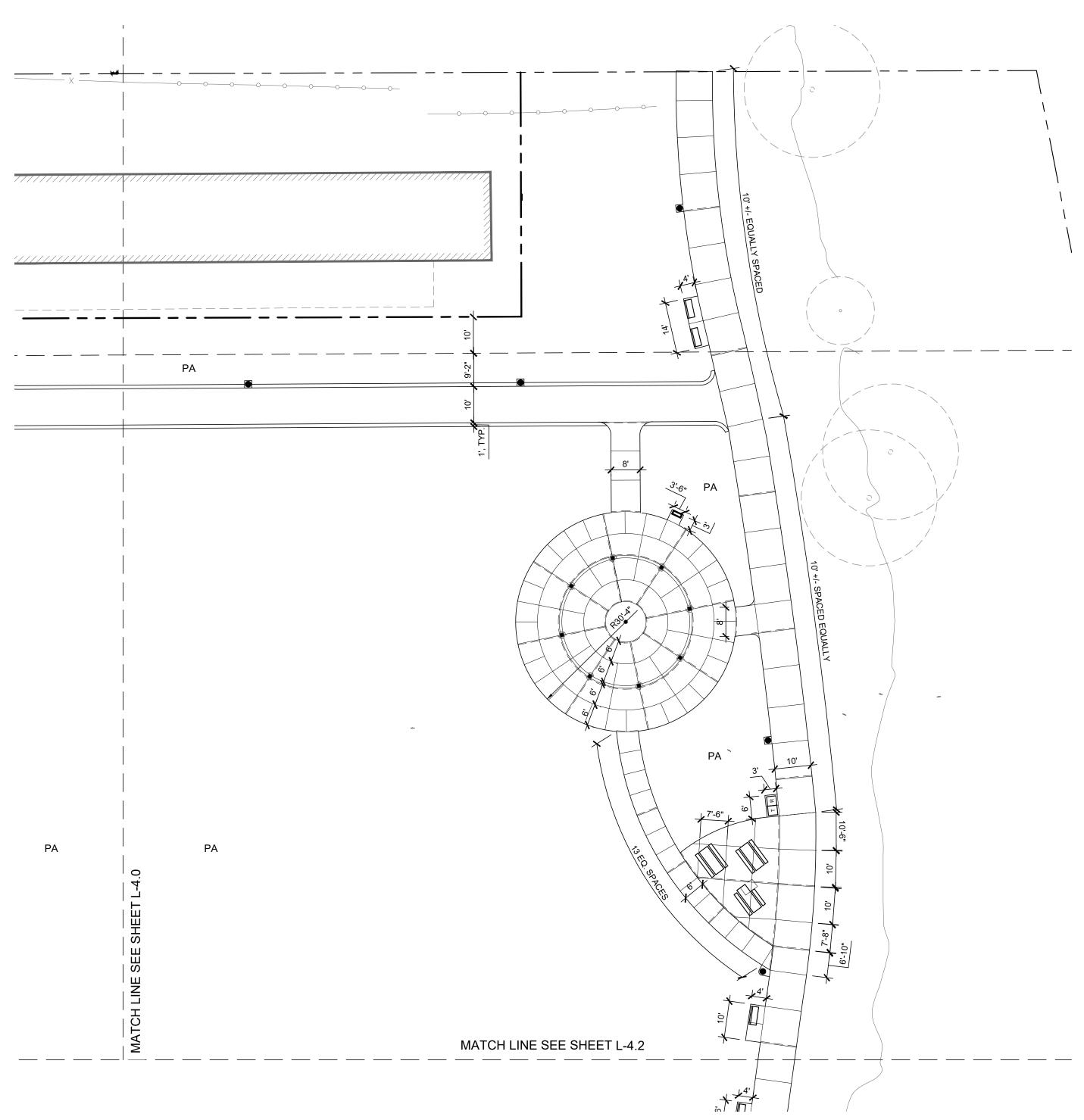
JOB • 200009.00

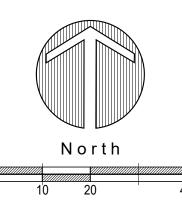
LAYOUT PLAN

SHEET

KEYMAP

L-4.0





LAYOUT NOTES

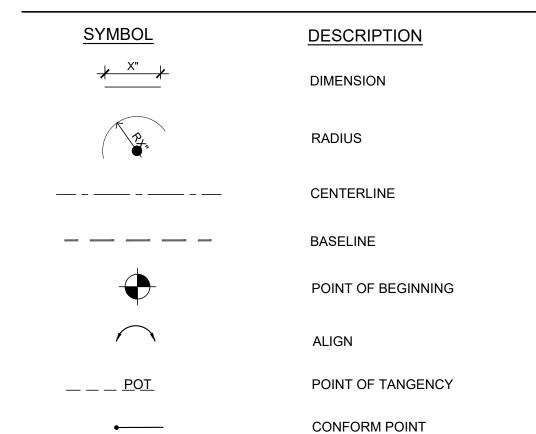
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- 2. PER SPECIFICATIONS, ALL SITE ELEMENTS TO BE STAKED BY A LICENSED SURVEYOR PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS. CAD FILES WILL BE PROVIDED BUT WILL NOT BE GEOREFERENCED.
- 3. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD AND STAKED PRIOR TO ANY CONSTRUCTION. IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY SITE DISCREPANCIES OR VARIATIONS FROM THE PLANS AS DRAWN AND RE-DIRECT WORK TO AVOID DELAY.
- 4. ALL DIMENSION LINES ARE EITHER PERPENDICULAR, TANGENT, OR PARALLEL TO THE ELEMENT FROM WHICH IT IS DIMENSIONED UNLESS NOTED OTHERWISE.
- 5. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO THE EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
- 6. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITY AND ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE CITY IMMEDIATELY SHOULD DISCREPANCY ARISE AND RE-DIRECT WORK TO AVOID DELAY. PROCEEDING WITH WORK WITHOUT CLARIFICATION FROM ENGINEER IS DONE AT THE SOLE RISK OF THE CONTRACTOR WITH NO COMPENSATION ALLOWED FOR CHANGES NOT DIRECTED BY THE OWNER'S REPRESENTATIVE.
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SYMBOL <u>ITEM</u> PLANTING AREA ---- --- MATCHLINE —— — — EXISTING PROPERTY LINE PROPOSED PROPERTY LINE ---- EASEMENT CONCRETE JOINT ====== EXPANSION JOINT EXISTING TREE CONCRETE PAVING SAFETY SURFACING LIGHTING

DRAIN INLET

LAYOUT LEGEND

GRAPHIC LEGEND

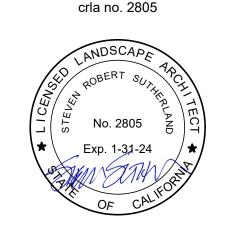




LANDSCAPE ARCHITECTS 303 potrero street, suite 40-c santa cruz, ca 95060

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AGENCY APPROVAL

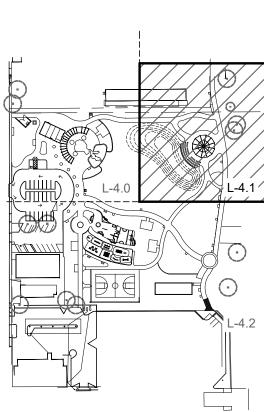
REVISIONS NO. DATE PURPOSE DRAWN BY • RT CHECKED • KF

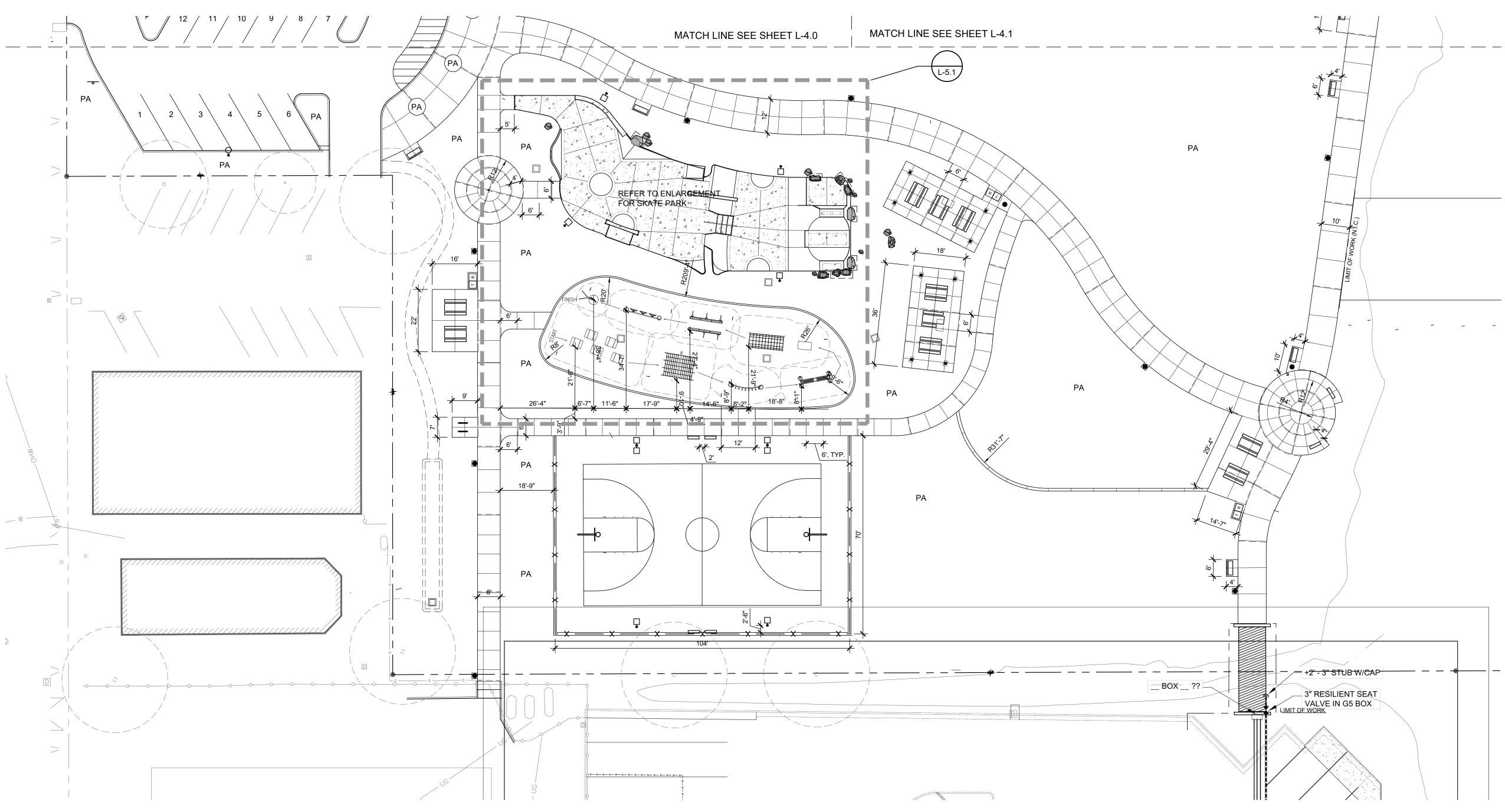
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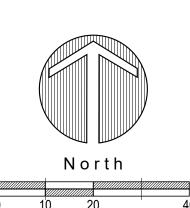
LAYOUT PLAN

SCALE • 1" = 20'-0"

DATE • 04.26.2022







LAYOUT NOTES

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GRAPHIC LEGEND

<u>SYMBOL</u>	ITEM
PA	PLANTING AREA
	MATCHLINE
	EXISTING PROPERTY LINE
	PROPOSED PROPERTY LINE
	EASEMENT
	CONCRETE JOINT
	EXPANSION JOINT
	EXISTING TREE

CONCRETE PAVING

SAFETY SURFACING

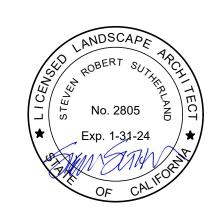
LIGHTING

DRAIN INLET

LAYOUT LEGEND

SYMBOL	DESCRIPTION
X" X	DIMENSION
P ₁	RADIUS
	CENTERLINE
	BASELINE
	POINT OF BEGINNING
	ALIGN
<u>POT</u>	POINT OF TANGENCY
•	CONFORM POINT





YOUT PLAN

AGENCY APPROVAL

REVISIONS
NO. DATE PURPOSE

DRAWN BY • RT

CHECKED • KF

SCALE • 1" = 20'-0"

DATE • 04.26.2022

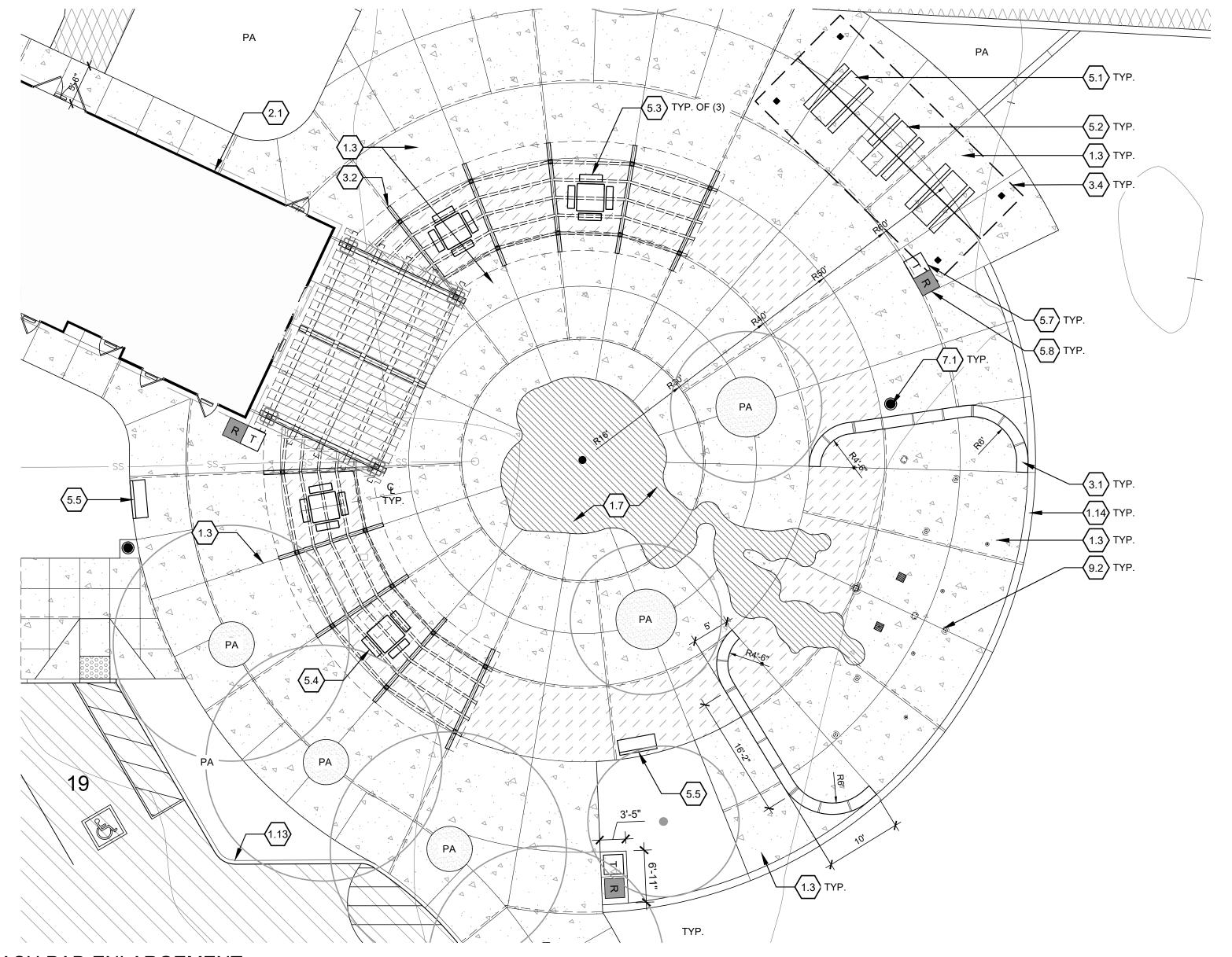
LAYOUT PLAN

• 200009.00

SHEET

KEYMAP

L-4.2

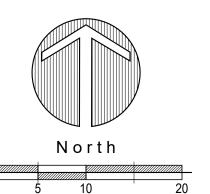


VISTA PLAZA / SPLASH PAD ENLARGEMENT

GRAPHIC LEGEND

GRAPHIC LEGEND		
SYMBOL	<u>ITEM</u>	
PA	PLANTING AREA	
	MATCHLINE	
	EXISTING PROPERTY LINE	
	PROPOSED PROPERTY LINE	
	EASEMENT	
LIMIT OF WORK	LIMIT OF WORK	
	CONCRETE JOINT	
	EXPANSION JOINT	

EXISTING TREE



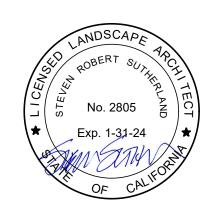
SITE SCHFDUI F

SITE SCH	EDL	JLE				
SYMBOL		ITEM	DETAIL	MAT. & FINISH	NOTE	Γ
	1.0	<u>HARDSCAPE</u>	CITY STND.	COLOR: NATURAL GREY /		
SEE PLANS	(1.0)	CONSTRUCT CONCRETE PAVING CONSTRUCT DECORATIVE CONCRETE	SEE CIVIL	FINISH: BROOM FINISH COLOR: DAVIS HARVEST GOLD /	CITY FURNISHED STAMP	1
	(1.1)	PAVING TYPE 01-PEDESTRIAN CONSTRUCT DECORATIVE CONCRETE	A/L-8.0	FINISH: STAMPED CONCRETE COLOR: DAVIS HARVEST GOLD /	MOCK-UP REQUIRED CITY FURNISHED STAMP	
	(1.2)	PAVING TYPE 01 - VEHICULAR	A/L-8.0	FINISH: STAMPED CONCRETE	MOCK-UP REQUIRED	
4	(1.3)	CONSTRUCT CONCRETE PAVING TYPE 02 - PEDESTRIAN	A/L-8.0	COLOR: NATURAL GREY / FINISH: MEDIUM BROOM		
	(1.4)	CONSTRUCT CONCRETE PAVING TYPE 02 - VEHICULAR	A/L-8.0	COLOR: NATURAL GREY / FINISH: MEDIUM BROOM		
///////// //////////	(1.5)	CONSTRUCT DECORATIVE CONCRETE PAVING TYPE 03 -PEDESTRIAN	A/L-8.0	COLOR: HARVEST GOLD / FINISH: TOPCAST RETARDANT 150	MOCK-UP REQUIRED REFER TO SPECS	
	(1.6)	CONSTRUCT DECORATIVE CONCRETE PAVING TYPE 03 - VEHICULAR	A/L-8.0	COLOR: HARVEST GOLD / FINISH: TOPCAST RETARDANT 150	MOCK-UP REQUIRED REFER TO SPECS	
	$\langle 1.7 \rangle$	CONSTRUCT DECORATIVE CONCRETE PAVING TYPE 04	A/L-8.0	COLOR: DAVIS EUROBLUE / FINISH: TOPCAST RETARDANT 200	MOCK-UP REQUIRED REFER TO SPECS	
	$\langle 1.8 \rangle$	CONSTRUCT DECOMPOSED GRANITE	F/L-12.0	COLOR: CALIFORNIA GOLD	TALL LIKE OF LOO	
	$\langle 1.9 \rangle$	CONSTRUCT VEHICULAR ASPHALT PAVING	SEE CIVIL		REFER TO CIVIL PLANS	
	(1.10)	WHERE INDICATED CONSTRUCT PEDESTRIAN ASPHALT PAVING	SEE CIVIL		REFER TO CIVIL PLANS	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	(1.11)	WITH BASE ROCK EDGE CONSTRUCT P.I.P. RUBBER SAFETY SURFACING	F/L-8.0	SURFACE AMERICA PLAYBOUND		
				COLOR: 50% HUNTER 50% BRIGHT GREEN		
	(1.12)	CONSTRUCT PEA GRAVEL WITH REDWOOD HEADER	G/L-8.0	AVAILABLE AT HAROLD SMITH & SON, INC. COLOR AND FINISH: MATCH ADJACENT		$ \vdash$
	(1.13)	CONSTRUCT CONCRETE CURB	SEE CIVIL	PAVEMENT	REFER TO CIVIL PLANS	
	(1.14)	CONSTRUCT CONCRETE BAND/MOW BAND	C/L-8.0	COLOR AND FINISH: MATCH ADJACENT PAVEMENT		
000000	(1.15)	CONSTRUCT CURB RAMP	B,C,D / L8.2	COLOR: NATURAL GREY, FINISH: HEAVY BROOF TRUNCATED DOMES COLOR: CITY STANDARD	VI	
	2.0	BUILDINGS INSTALL PREFABRICATED CONCESSIONS AND			OWNER FURNISHED.	
SEE PLANS	(2.1)	RESTROOM BUILDING	A/L-6.0	PUBLIC RESTROOM BUILDING CUSTOM MODEL.	CONTRACTOR INSTALLED	
	3.0	<u>STRUCTURES</u>		COLOR: NATURAL GREY		
	(3.1)	CONSTRUCT SEAT WALL	D/L-8.0	FINISH: TOPCAST 5 COLOR: DARK BRONZE FINISH WITH STAINED		
SEE PLANS	(3.2)	CONSTRUCT ARBOR AND PERGOLA	A/L-8.1	GLULAM / ALASKAN YELLOW CEDAR		
SEE PLANS	(3.3)	CONSTRUCT TRASH ENCLOSURE WITH FENCE	A/L-8.4	CHAINLINK: BLACK POWDERCOAT WITH SLATS.		
SEE PLANS	$\langle 3.4 \rangle$	INSTALL SHADE SHELTER - PICNIC	C/L-8.3 R-3.0	POLIGON GABLE ROOF - REK 16X34	OWNER FURNISHED. CONTRACTOR INSTALLED	
SEE PLANS	$\langle 3.5 \rangle$	INSTALL SHADE SHELTER - PAVILION	R-2.0	POLIGON CLERESTROY PAVILION - GCO3-40	OWNER FURNISHED. CONTRACTOR INSTALLED	
	4.0	FENCING				
—— x ——	4.1	PROVIDE & INSTALL CHAIN LINK FENCE - 8' HT.	D/L-8.3	COLOR: BLACK POWDERCOAT		
	<u>5.0</u>	SITE FURNISHINGS		MODEL #4000 DV OUTDOOD ODEATIONS INC.		
	(5.1)	PROVIDE & INSTALL PICNIC TABLE - RECTANGLE	C/L-8.3	MODEL #100S BY OUTDOOR CREATIONS, INC. COLOR: TAN		
	(5.2)	PROVIDE & INSTALL ACCESSIBLE PICNIC TABLE - RECTANGLE	C/L-8.3	MODEL #100SRE BY OUTDOOR CREATIONS, INCCOLOR: TAN	S.	
	5.3	PROVIDE & INSTALL PICNIC TABLE - SQUARE		MODEL #108S BY OUTDOOR CREATIONS, INC. COLOR: TAN		
	(5.4)	PROVIDE & INSTALL ACCESSIBLE PICNIC TABLE - SQUARE		MODEL #108AC BY OUTDOOR CREATIONS, INC. COLOR: TAN		
- 🗖	$\langle 5.5 \rangle$	PROVIDE & INSTALL BENCH - BACKED		MODEL #416 BY OUTDOOR CREATIONS, INC. COLOR: TAN		
	\(\sigma_{5.6}\)	PROVIDE & INSTALL BENCH - BACKLESS		MODEL #402 - 48" CUSTOM BENCH BY		
TR	$\langle 5.7 \rangle$	PROVIDE & INSTALL TRASH & RECYCLING RECEPTACLES	F/L-8.2	OUTDOOR CREATIONS, INC. COLOR:TAN MODEL #507 BY OUTDOOR CREATIONS, INC.		
R	\(\sigma_{5.8}\)	INSTALL RECYCLING RECEPTACLES	F/L-8.2	WITH CITY STANDARD LOGOS. COLOR: TAN MODEL #507 BY OUTDOOR CREATIONS, INC.		
		PROVIDED BY CITY		WITH CITY STANDARD LOGOS. COLOR: TAN DERO ROUND RACK MODEL		-
_	(5.9)	PROVIDE & INSTALL BIKE RACKS	E/L-8.3	COLOR: BLUE MAXI-FORCE COLLAPSIBLE BOLLARD		
•	(5.10)	PROVIDE & INSTALL BOLLARDS	E/L-8.2	MODEL: MCSP-SS1-S COLOR: POWDER COATED DK BRONZE		
	<u>6.0</u>	SPORTS EQUIPMENT		POST: LA STEELCRAFT MODEL # LA-12C66PC		
SEE PLANS	6.1	PROVIDE AND INSTALL BASKETBALL COURT & SPORTS EQUIPMENT	A/L-8.3	COLOR: NAVY BLUE BACKBOARD: LA STEELCRAFT MODEL # LA-09X RIM/NET: LA STEELCRAFT MODEL # LA-39 RIM		
				WITH LA 34 NET		١,
SEE PLANS	6.2	INSTALL FITNESS EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS	L-5.1	LANDSCAPE STRUCTURES INC. DESIGN # 1146672-01-04 COLOR: PALETTE AZ	OWNER FURNISHED. CONTRACTOR INSTALLED	
	7.0	LIGHTING				
	7.1	PROVIDE & INSTALL DECORATIVE PATH POLE LIGHT	H/L-8.2	COLOR: DARK BRONZE	REFER TO ELECTRICAL	-
	7.2	INSTALL ELECTRICAL UTILITY			REFER TO ELECTRICAL	
	7.3	PROVIDE & INSTALL PARKING LOT LIGHT		COLOR: DARK BRONZE	REFER TO ELECTRICAL	
	$\overline{\left\langle 7.4\right\rangle }$	PROVIDE & INSTALL SITE POLE LIGHT		COLOR: DARK BRONZE	REFER TO ELECTRICAL	
	8.0	SKATE PARK				-
SEE PLANS	8.1	CONSTRUCT SKATE PARK	L-5.1 - L5.2 L-8.5 - L-8.9			-
	9.0	SPLASH PAD	E O AND OT	WATER ORVESTY		-
SEE PLANS	9.1	CONTROLLER AND MANIFOLD	R-1	. WATER ODYSSEY DWG W23034		
	9.2	PROVIDE & INSTALL SPLASHPAD EQUIPMENT	5.0 AND SP1.0 R-1	. WATER ODYSSEY DWG W23034		_
	10.0	MISCELLANEOUS	0/100	OWNED FURNIOUS		
	(10.1)	INSTALL BOULDERS	G / L8.7	OWNER FURNISHED. CONTRACTOR INSTALLED		
	10.2	BIOSWALE	REFER TO CIVIL PLANS			
	(10.3)	ADA PARKING LOT / PARKING STALL SIGN	A/L-8.2			
	(10.4)	PARK MONUMENT SIGN		NIC - COORDINATE WITH THE CITY REPRESENTATIVE		



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> www.ssala.com crla no. 2805



TE PLAN ENLARGEMENT PLASH PAD

AGENCY APPROVAL

EVIS	SIONS	PURPOSE	

DRAWN BY • RT

CHECKED • KF

SCALE • 1" = 10'-0"

DATE • 04.26.2022

JOB • 200009.00

SITE PLAN ENLARGEMENT SPLASH PAD

1-5.0

SKATE PARK NOTES

- 1. ALL EDGES AND CORNERS OF CONCRETE FEATURES SHALL HAVE 1/2" RADII, UNLESS NOTED OTHERWISE.
- 2. CONTRACTOR SHALL VERIFY AND COORDINATE FINISH GRADES AND CURB EDGES WITH RELATED SITE IMPROVEMENTS. CONTRACTOR SHALL IMMEDIATELY REPORT ANY CONFLICTS OR DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY RAIN WATER OR DEBRIS FROM THE PROJECT SITE, AS NEEDED, DURING CONSTRUCTION AND PRIOR TO PLACING ANY CONCRETE.
- 4. THE CONTRACTOR IS REQUIRED TO SURVEY THE SITE USING A LICENSED SURVEYOR, AND FIELD VERIFY ALL ELEVATIONS AND DIMENSIONS PRIOR TO COMMENCING PERFORMANCE OF THEIR WORK.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING GROUND ELEVATIONS, PIPE INVERTS, AND OVERALL TOPOGRAPHY OF THE SITE, AS WELL AS, ALL SITE DIMENSIONS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY DIFFERENCES IN TOPOGRAPHY OR SITE DIMENSIONS THAT DIFFER FROM THOSE SHOWN ON THE PLANS.
- 6. THE CONTRACTOR SHALL ESTIMATE EARTHWORK QUANTITIES PRIOR TO START OF CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR ANY EXPORT OR IMPORT REQUIRED.
- 7. ALL SKATEPARK STRUCTURE SUBBASE AND SUBGRADE GRADING, COMPACTION, & EARTHWORK SHALL COMPLY WITH THE RECOMMENDATIONS AND REQUIREMENTS OF THE PROJECT SPECIFIC GEOTECHNICAL REPORT BY LACO & ASSOCIATES ON 8/3/2020.
- 8. WRITTEN DIMENSIONS ARE TO TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES FOUND IN THE FIELD.
- 9. ALL SKATE PARK CONCRETE SHALL HAVE A SMOOTH HARD TROWEL FINISH UNLESS NOTED OTHERWISE.
- 10. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE FOR ANY CHANGES TO THE PROJECT LAYOUT OR DESIGN. ANY CHANGES OR DEVIATION WITHOUT WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE SHALL ABSOLVE THE CITY OF ANY AND ALL RESPONSIBILITY OF SAID CHANGE OR DEVIATION.
- 11. ALL REINFORCING BARS SHALL HAVE A 24" OVERLAP UNLESS NOTED OTHERWISE, TYP. SEE SPECIFICATIONS.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY & CONSTRUCTION STAKING.
- 13. CONTRACTOR SHALL LAYOUT THE PERIMETER OF THE SKATE PARK FEATURES WITH PAINT OR CHALK, NOTING EXISTING OR PROPOSED FINISHED GRADES AT KEY POINTS. SAID LAYOUT SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE THE COMMENCEMENT OF ON-SITE CONSTRUCTION.
- 14. SEE SHOTCRETE TEMPLATE DETAIL D/L-8.5 FOR ALL RADIAL SHOTCRETE CONDITIONS.
- 15. WITHIN 20 DAYS AFTER COMPLETION OF CONCRETE PLACEMENT, PROVIDE VERIFICATION OF ALL GRADES AND DIMENSIONS BY LICENSED SURVEYOR. SUBMIT PLAN WITH ALL DISCREPANCIES GREATER THAN 0.02 ±FEET VERTICALLY AND 0.10 ± FEET HORIZONTALLY NOTED IN RED TO SKATEPARK DESIGNER. SKATEPARK DESIGNER WILL PROVIDE REQUIRED CORRECTIONS WITHIN 21 DAYS OF SUBMISSION.

SKATEPARK SCHEDULE

SKATEPARK SCHEDULE					
NO.	NAME	DETAIL			
01	CHINA BANK	D/L-8.9			
02	SLAPPY CURB	E/L-8.8			
03	PUMP-BUMPS A/B	B/L-8.9			
04	PYRAMID WITH BOULDER	E/L-8.9			
05	FLAT BAR	H/L-8.6			
06	BUMP-TO-LEDGE MANUAL PAD	A/L-8.9			
07	BLASTER	C/L-8.9			
08	DOWNRAIL	I/L-8.6			
09	HUBBA LEDGE	E/L-8.7			
10	STAIR SET	C/L-8.8			
11	DOWNRAMP	A/L-8.7			
12	EURO-PLANTER GAP	B/L-8.8			
13	EURO KICKER'S	A/L-8.8			
14	4'-0" QUARTER PIPE SECTION	F/L-8.7			
15	SKATE STRUCTURE BOULDER	C/L-8.7			
16	BIG BANK	D/L-8.8			
17	SUB-BOX	B/L-8.7			
18	MINI-RAMP	D/L-8.7			

North

SKATE PARK ENLARGEMENT SCALE: 1" = 10'-0"

SKATEPARK STRUCTURE LEGEND

SEE SPECIFICATIONS.

90% RELATIVE COMPACTION.

OTHERWISE. SEE SPECIFICATIONS.

90% RELATIVE COMPACTION.

SHOTCRETE: MIN. 6" THICK 4,000 PSI W/ GRADE 40, #4 REBAR MAT @ 12" O.C. BOTH WAYS UNLESS SHOWN OTHERWISE.

SUBBASE: 6" THICK, $\frac{3}{4}$ " CLASS II AGGREGATE BASE COMPACTED TO

SUBGRADE: PER GEOTECHNICAL REPORT, SEE GENERAL NOTES.

SKATEPARK STRUCTURE CONCRETE: MIN. 5" THK. 4,000 PSI W/

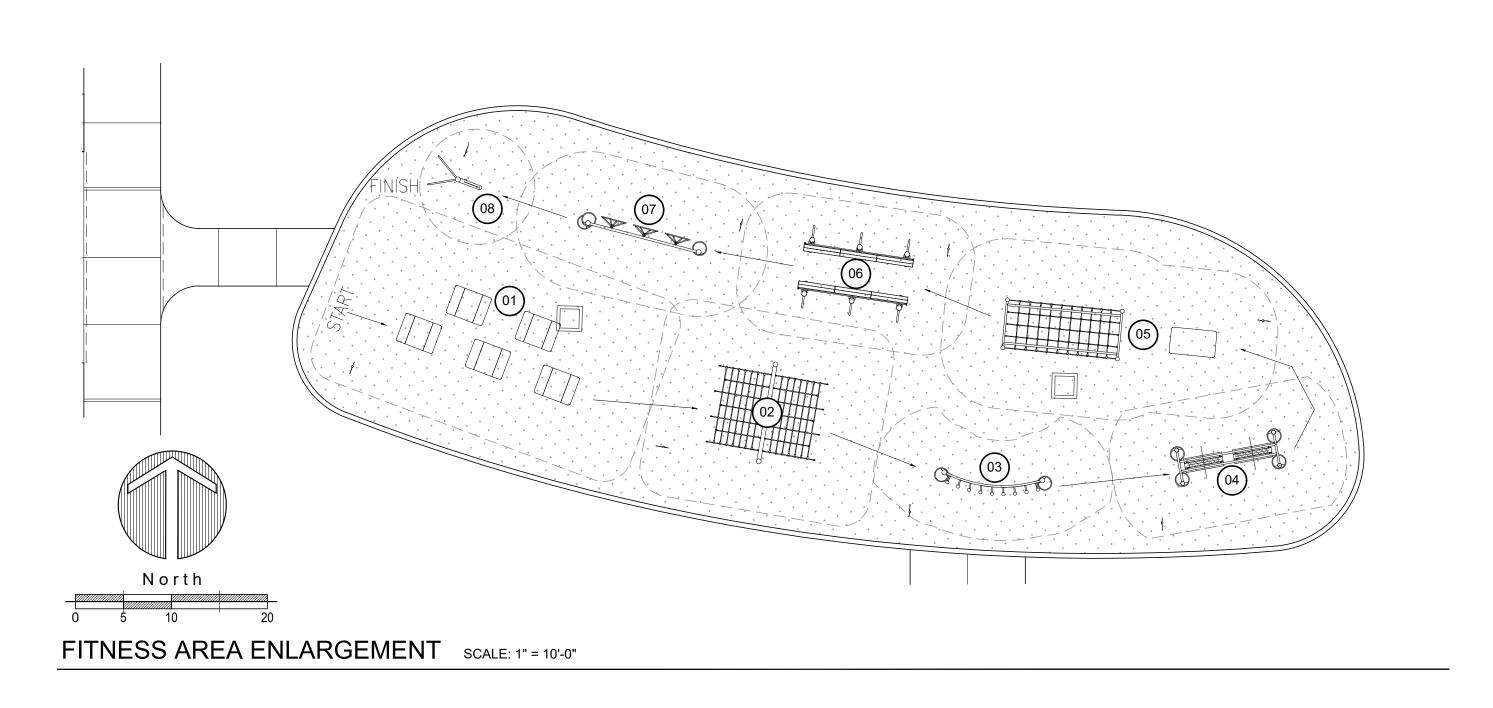
SUBBASE: 6" THICK, $\frac{3}{4}$ " CLASS II AGGREGATE BASE COMPACTED TO

SUBGRADE: PER GEOTECHNICAL REPORT, SEE GENERAL NOTES.

GRADE 40, #4 REBAR @ 12" O.C. BOTH WAYS UNLESS SHOWN

FINTESS AREA SCHEDULE

NO. NAME	DRAWING #
01 FITCORE EXTREME QUINTUPLE STEPS	1146672-01-05
02 FITCORE EXTREME A-FRAME CARGO NET	1146672-01-05
FITCORE EXTREME PEG BRIDGE	1146672-01-05
04 FITCORE EXTREME UNSTABLE BRIDGE	1146672-01-05
05 FITCORE EXTREME JUMP HANG	1146672-01-05
6 FITCORE EXTREME SPIDER WALK	1146672-01-05
FITCORE EXTREME WHEEL BRIDGE	1146672-01-05
08 FITCORE EXTREME ROPE CLIMB	1146672-01-05



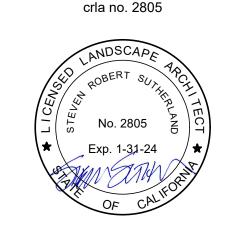


LANDSCAPE ARCHITECTS

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NLARGEMENT R R FITNESS AREA

AGENCY APPROVAL

REVISIONS NO. DATE PURPOSE

DRAWN BY • CW

CHECKED • KF

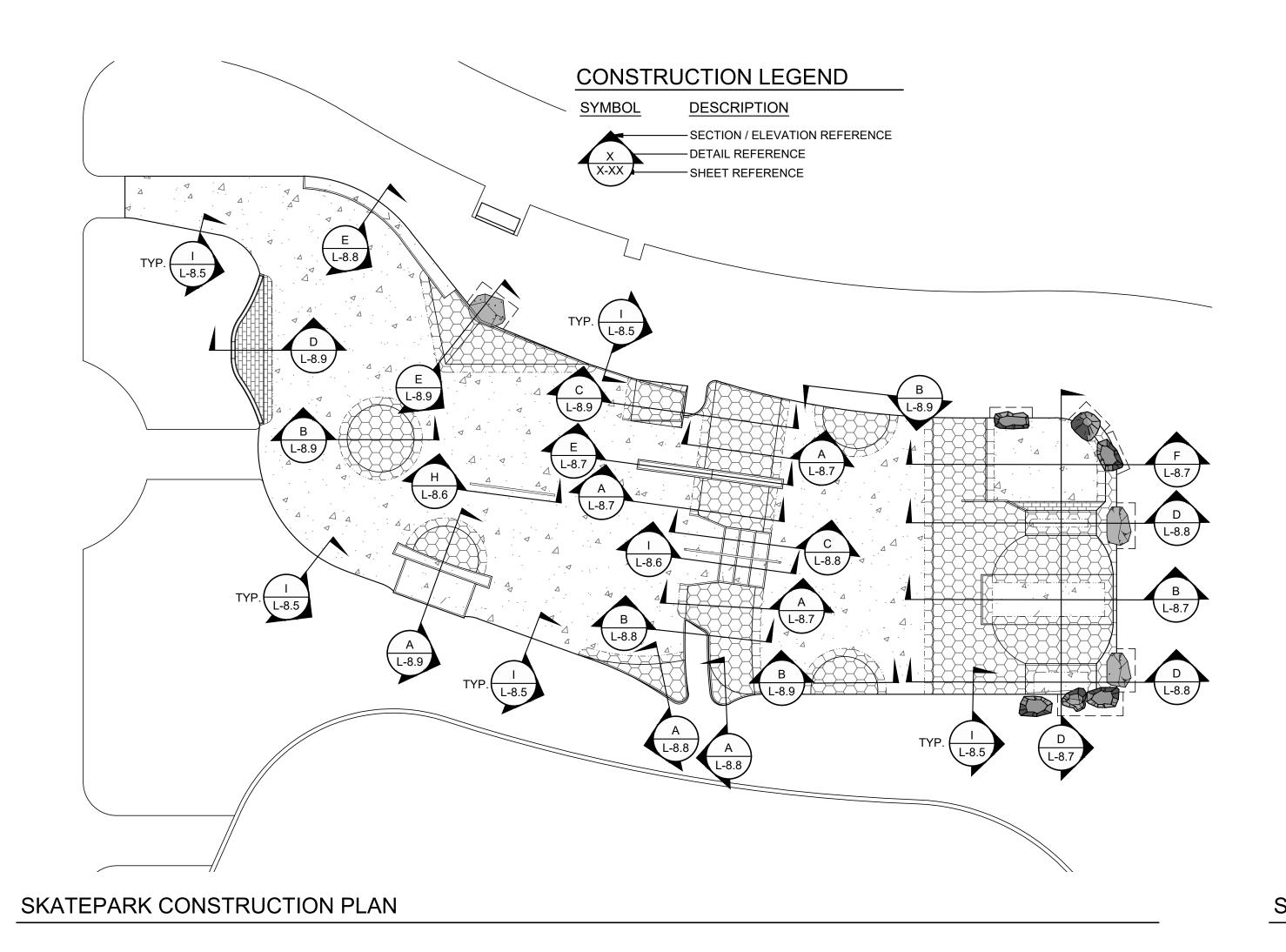
SCALE • 1" = 10'-0"

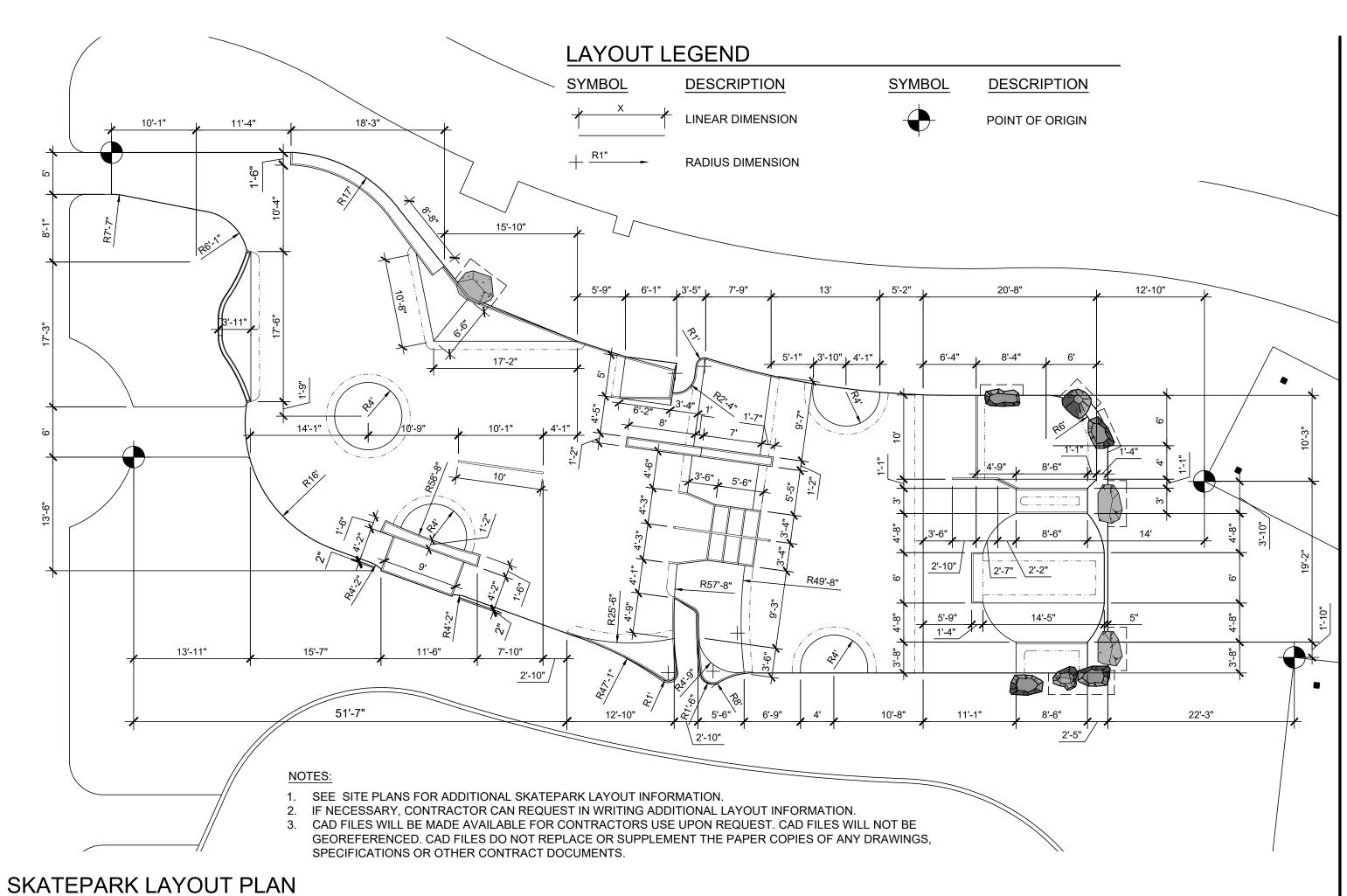
DATE • 04.26.2022

SITE PLAN ENLARGEMENT - SKATE PARK & FITNESS AREA

• 200009.00

L-5.1





JOINT AND MATERIALS LEGEND

DESCRIPTION

SHOTCRETE: SEE SKATEPARK STRUCTURE LEGEND L-5.1

GRADING LEGEND DESCRIPTION SYMBOL DESCRIPTION PROPOSED CONTOUR LINE SLOPE ------1300 ----- **EXISTING CONTOUR LINE** SURFACE FLOW DIRECTION -TERRAIN SLOPE FS 30.00 PROPOSED SPOT ELEVATION TS TOP OF STAIR ELEVATION FLUSH CONDITION

FS FINISH SURFACE ELEVATION RIDGELINE/GRADEBREAK TANGENT POINT

FS 34.67

TP 31.35

FS ±34.07

FS,£36.40,

FS 34.50

FS ±38.00

FS ±35.00

FS ±38.08 FS ±33.08 FS ±34.00 HP 32.33 TP 31.67 /FS 35.67 TP 33.67 \leftarrow

FS 33.57 FS 35.23 FS 33.57 TP 31.57 FS 35.67 FS 35.23 FS 35.67 FS 33.51 FS 36.92 TP 31.51 1.0% > TS 33.55 TS 33.46 FS 34.67 FS 33.42 FS 33.38 TP 33.35

FS 32.51

 ALL SKATEPARK CONCRETE SHALL SURFACE DRAIN OFF EDGE OF SKATEPARK. 2. NO "BIRD-BATHS" OR PONDING IS ACCEPTABLE.

3. CONTRACTOR TO COORDINATE ALL BOULDER PLACEMENT AND FINISH ELEVATIONS

FS 34.58

FS 33.90

FS 33.80

FS 33.90

FS 33.78

TP 33.67

FS 34.40

TP 33.67

FS 35.40

FS 33.90

FS 33.85

FS 33.40

HP 34.26

HP 34.12

FS 33.35

WITH SKATE PARK DESIGNER PRIOR TO INSTALLATION.

RELATIVE DATUM: 0.00' = 1300.00' SKATEPARK GRADING AND DRAINAGE PLAN

SKATE PARK STRUCTURE CONCRETE: SEE SKATEPARK STRUCTURE LEGEND L-5.1 - EXPANSION JOINT SITE BOULDERS: BOULDER TYPE, SELECTION AND PLACEMENT TO BE REVIEWED LEDGE 01 BY OWNERS REPRESENTATIVE PRIOR TO INSTALLATION. SEE DETAILS FOR INSTALLATION INFORMATION. SKATEPARK STRUCTURE SAWCUT G/L-8.5 SKATEPARK COLD JOINT (CJ) E/L-8.5 / THICKENED EDGE COLD JOINT (TECJ) F/L-8.5 BANK 1: 'BRICK' -SKATEPARK EXPANSION JOINT (EJ) H/L-8.5 STAMP AND STAIN PER STAIN 01 NOTE. STEEL EDGING, SEE DETAILS. **BOULDER #8 PER BOULDER** SCHEDULE, SHEET L-1.0 - CONTINUOUS END STEEL EDGING. STEEL EDGING. SEE DETAILS. **BOULDER #22 PER BOULDER** SCHEDULE, SHEET L-1.0 BOULDER #6 PER BOULDER SCHEDULE, — EXPANSION JOINT SHEET L-1.0 BANK 2: 'BRICK' STAMP AND **EXPANSION JOINT -EXPANSION** -STAIN PER STAIN 01 NOTE. JOINT LEDGE 03 -**BOULDER #23 PER BOULDER** EXPANSION SCHEDULE, SHEET L-1.0 STAIN ALL CONCRETE FLATWORK, AND (2) BANKS **BOULDER #12 PER BOULDER** SCHEDULE, SHEET L-1.0 W/ 2-COATS: LITHOCHROME CHEMSTAIN CLASSIC BY SCOFIELD **BOULDER #21 PER BOULDER** OR APPROVED EQUAL. + LEDGE 02 /SCHEDULE, SHEET L-1.0 COLOR: CS-15 ANTIQUE AMBER **BOULDER #24 PER BOULDER** SUBMIT STAMP TO LANDSCAPE ARCHITECT FOR SCHEDULE, SHEET L-1.0 APPROVAL. BOULDER #18 PER BOULDER STAIN 02: SCHEDULE, SHEET L-1.0 **EXPANSION** -STAIN ALL SHOTCRETE AND (3) LEDGES JOINT, TYP. SHOWN W/ 2-COATS: LITHOCHROME CHEMSTAIN CLASSIC BY SCOFIELD OR APPROVED EQUAL. **BOULDER #11 PER BOULDER** COLOR: CS-13 COPPER PATINA END STEEL EDGING. - SAWCUT, TYP. SCHEDULE, SHEET L-1.0 SEE DETAILS. - COLD JOINT, TYP. PRIME ALL SKATEPARK STEEL EDGING AND SKATE RAILS WITH SHERWIN WILLIAMS PRO-CRYL UNIVERSAL ACRYLIC PRIMER OR APPROVED EQUAL PAINT ALL SKATEPARK STEEL EDGING AND SKATE RAILS WITH SHERWIN WILLIAMS PRO INDUSTRIAL ACRYLIC COATING. COLOR: SW 6943 'INTENSE

COLORS AND PRODUCTS TO BE REVIEWED AND APPROVED BY OWNERS REPRESENTATIVE PRIOR TO APPLICATION.

6. SEE OVERALL SITE PLAN, SHEET L-1.0 FOR BOULDER SCHEDULE AND SHEET L-8.7 FOR BOULDER PLACEMENT DETAILS.

SEE DETAIL SKATEPARK STRUCTURE SAWCUT G/L-8.5 FOR MORE INFORMATION.

CONTRACTOR SHALL LOCATE SAWCUTS APPROXIMATELY EVERY 100-SQUARE FEET AS SHOWN ON PLANS. SKATE STRUCTURE ONLY.

TEAL' OR APPROVED EQUAL.

SKATEPARK JOINTING AND MATERIALS PLAN

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REVISIONS NO. DATE

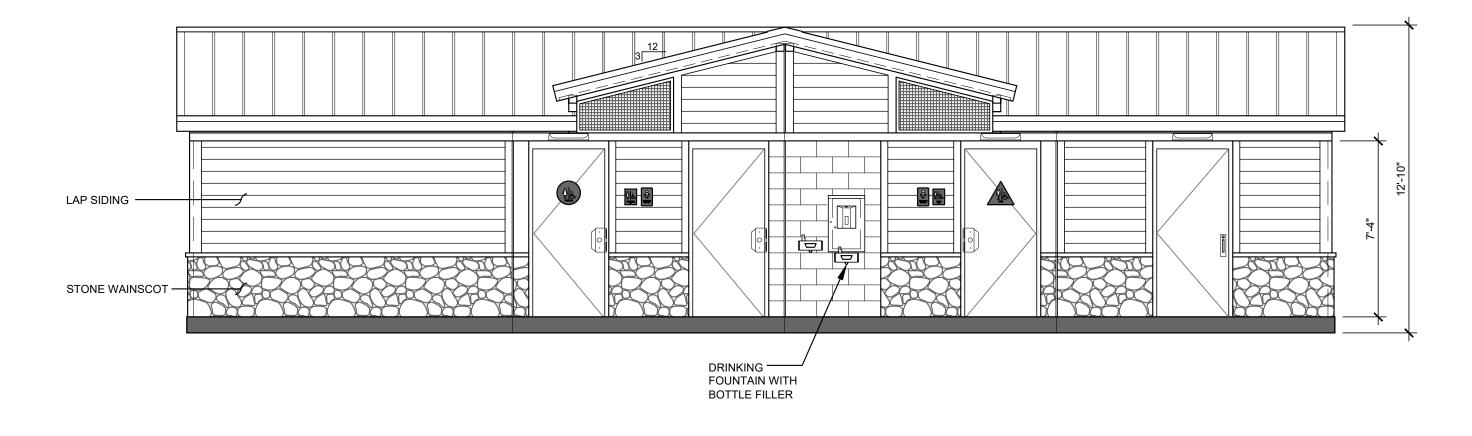
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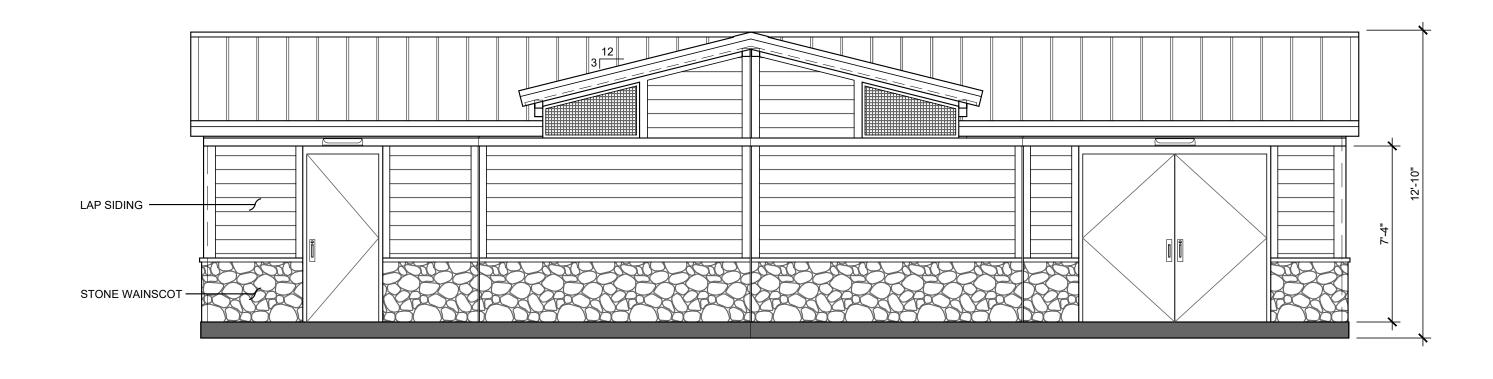
SITE PLAN **ENLARGEMENT -**SKATEPARK

• 200009.00

North



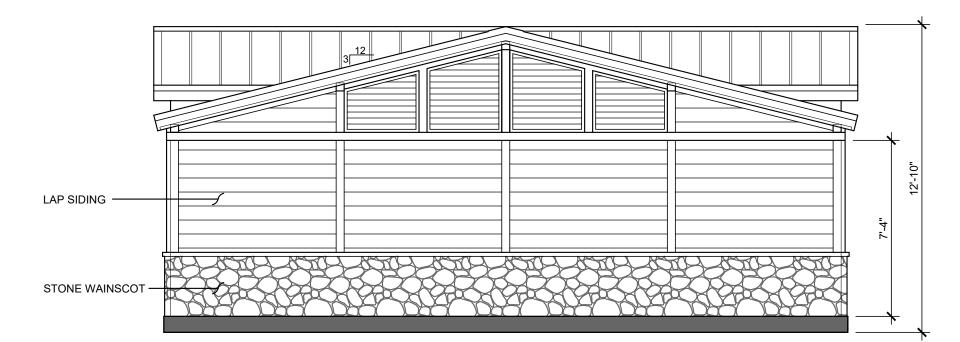
PRONT ELEVATION SCALE: 1/4" = 1'-0"



E REAR ELEVATION SCALE: 1/4" = 1'-0"



F RIGHT SIDE ELEVATION SCALE: 1/4" = 1'-0"



G LEFT SIDE ELEVATION SCALE:1/4" = 1'-0"

C RESTROOM PAD SECTION

SCALE:1" = 1'-0"

PRE-FAB CONCRETE ----

CONCRETE PAVING —

WITH EXPANSION

JOINT PER A/L-8.0

BUILDING

EDGE OF SLAB

— 6" STEEL ANGLE

CONNECTION BRACKET

REFER TO GEOTECHNICAL REPORT FOR ALL SUBGRADE PREPARATION AND COMPACTION REQUIREMENTS

GENERAL CONTRACTOR AND RESTROOM COMPANY RESPONSIBILITIES

RESTROOM MANUFACTURER:

- 1. RESTROOM MANUFACTURER WILL PROVIDE FULL ARCHITECTURAL PLANS AND ENGINEERING CALCULATIONS, STAMPED BY STATE GOVERNING AGENCY SUITABLE FOR GENERAL CONTRACTOR TO FILE FOR REQUIRED NO-FEE BUILDING PERMIT.
- RESTROOM MANUFACTURER WILL FURNISH AND INSTALL UNDERGROUND UTILITIES (UNDER SLAB EXTENDING 6 FEET (MAX) BEYOND THE BUILDING LINE, MIN. OF 24" -MAX. OF 36" BELOW GRADE.

GENERAL PAD NOTES:

RESTROOMS AND THE SIDEWALK OUTSIDE CAN NOT BE GREATER THAN 1/4" MAX.

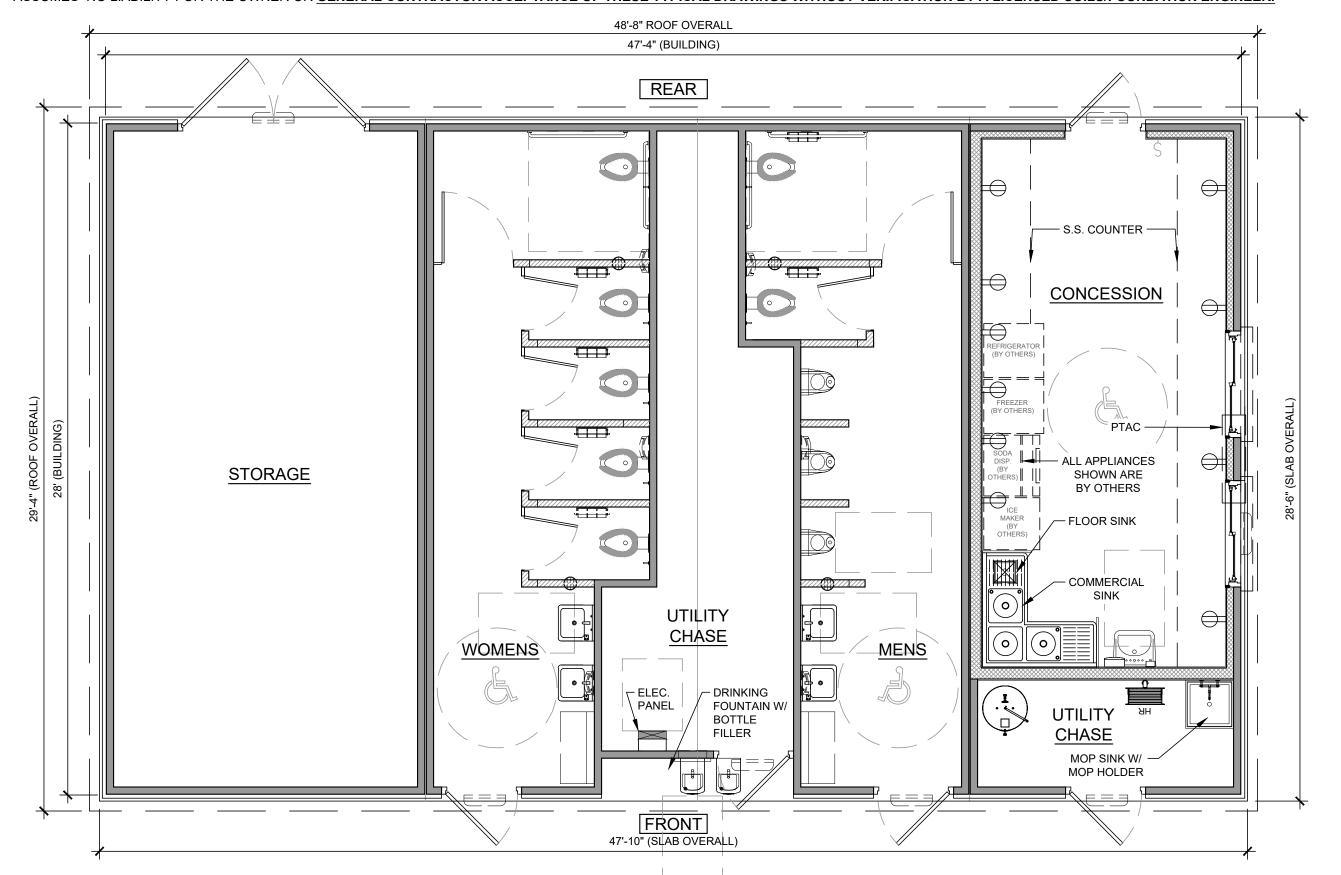
1. THE DIFFERENCE IN THE ELEVATION BETWEEN THE FINISH FLOOR OF

GENERAL CONTRACTOR:

- 1. GENERAL CONTRACTOR SHALL CONSTRUCT BUILDING PAD PER DETAILS ON THIS SHEET AND SCOPE OF WORK. GENERAL CONTRACTOR SHALL INSTALL UTILITIES PER CIVIL, ELECTRICAL AND LANDSCAPE DRAWINGS, PROJECT SPECIFICATIONS AND THIS SHEET.
- GENERAL CONTRACTOR SHALL ATTACH SITE PLAN TO THE BUILDING MANUFACTURER'S DEPARTMENT OF HOUSING APPROVED DOCUMENTS AND FILE BUILDING PERMIT FOR PLUMBING PERMIT/INSPECTION UNDER BUILDING SLAB.
- 3. GENERAL CONTRACTOR TO COORDINATE SEWER INVERT WITH THE BUILDING MANUFACTURER PRIOR TO BUILDING INSTALLATION. VERIFY & COORDINATE LOCATION OF EXISTING UTILITIES COMING INTO THE BUILDING SUPPLIED BY MANUFACTURER.
- 4. GENERAL CONTRACTOR IS RESPONSIBLE FOR UTILITY CONNECTIONS AND WILL MAKE FINAL CONNECTIONS TO SEWER, WATER AND POWER AT UTILITY STUB LOCATIONS APPROX. 6' FROM BUILDING.
- 5. GENERAL CONTRACTOR TO PREPARE SITE FOR MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 1,500 PSF. WITH SUB-GRADE COMPACTED TO 90% M.D.D. REFER TO GEOTECHNICAL REPORT BY LACO & ASSOCIATES DATED 08/03/2020 FOR SUBGRADE PREPARATION REQUIREMENTS.
- 6. GENERAL CONTRACTOR TO SUPPLY AND STOCK PILE REQUIRED QUANTITY OF COARSE SAND WITHIN BUILDING PROXIMITY FOR USE BY BUILDING MANUFACTURER. (ELEVATION OF BASE TO BE DETERMINED AND VERIFIED BY THE GENERAL CONTRACTOR) PAD ELEVATION MUST BE LEVEL WITHIN 2% (+/-) AND COMPLY WITH ALL PERMISSIBLE CODES OF ACCESSIBILITY AND SAFETY. BEFORE BUILDING SET WET SAND FILL TO CONSOLIDATE AND/OR VIBRATE.

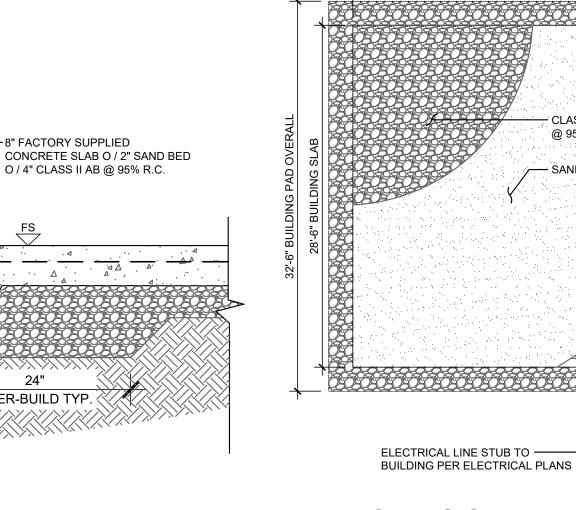
GENERAL SITE CONDITION LIABILITY NOTE:

BUILDING MANUFACTURER PROVIDES BUILDING PAD PLAN DRAWINGS FOR PLACEMENT OF OUR BUILDING ON SITE PADS FOR REFERENCE ONLY. MANUFACTURER'S DRAWINGS DO NOT INCORPORATE SITE DESIGN FOR LOCAL CODES, SOIL CONDITIONS, FOOTING REQUIREMENTS, AND/OR ANY OTHER CONTRIBUTING SITE FACTORS UP TO AND INCLUDING HIGH WATER TABLES. IT IS THE RESPONSIBILITY OF THE OWNER OR GENERAL CONTRACTOR TO PROVIDE A PROPER SITE DESIGN TO ACCOMMODATE THE BUILDING AS WELL AS PROVIDE PROPER SITE CRITERIA SO MANUFACTURER MAY MODEL SEWER, WATER AND ELECTRICAL DESIGNS WITHIN THE BUILDING. BUILDING DESIGN TO INCLUDE AN 8" THICK REINFORCED CONCRETE SLAB AND ASSUMES FULL SLAB BEARING ON SOILS WITH A MINIMUM OF 1000 PSF BEARING CAPACITY. OUR BUILDING DESIGNS SURCHARGE OF THE SOIL BENEATH THE MAT SLAB AT APPROXIMATE 208 PSF. ANY BUILDING FOUNDATION IN ADDITION TO THE THE INTEGRAL MAT SLAB ARE SHOWN FOR REFERENCE ONLY AND SHOULD BE VERIFIED BY A LICENSED SOILS ENGINEER TO CONFORM WITH REQUIRED CODES. BUILDING MANUFACTURER ASSUMES NO LIABILITY FOR THE OWNER OR GENERAL CONTRACTOR ACCEPTANCE OF THESE TYPICAL DRAWINGS WITHOUT VERIFICATION BY A LICENSED SOILS/FOUNDATION ENGINEER.



A BUILDING FLOOR PLAN SCALE: 1/4" = 1'-0"

EDGE OF SLAB



51'-10" BUILDING PAD LIMIT 1. SEE GENERAL SITE CONDITIONS LIABILITY NOTE, THIS SHEET. ALL UTILITY GROUND BOXES 6FT MAX FROM BUILDING. FINAL LOCATION T.B.D. IN FIELD. REFER TO CIVIL AND ELECTRICAL PLANS FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR. CONTRACTOR TO SUPPLY AND STOCKPILE COURSE SAND AS REQUIRED FOR SAND BED ADJACENT TO BUILDING LOCATION FOR PLACEMENT BY BUILDING CONTRACTOR. SUPPLIED BUILDING SLAB — FACTORY SUPPLIED BUILDING SLAB OVER-BUILD BY GENERAL CONTRACTOR ELECTRICAL LINE STUB TO -

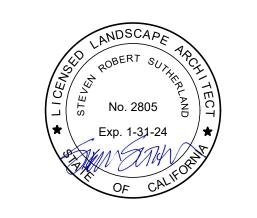
B RESTROOM PAD PREPARATION PLAN
SCALE:1/8" = 1'-0"

WATER LINE STUB TO

LANDSCAPE ARCHITECTS

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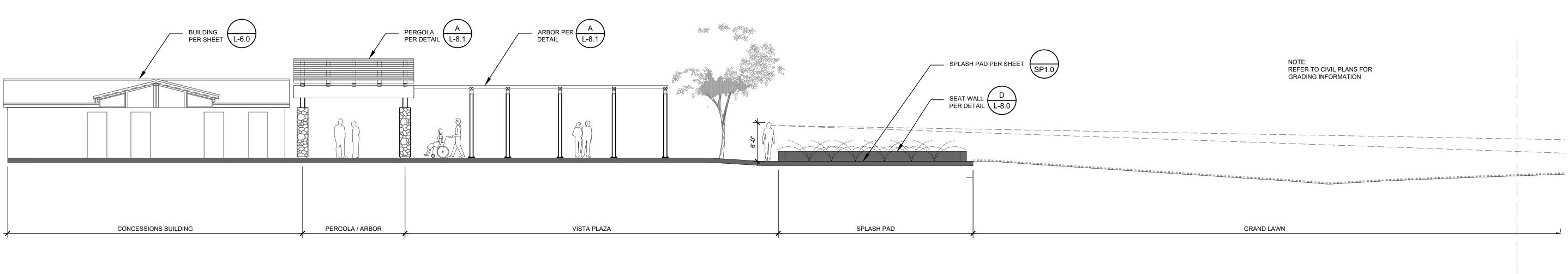
AGENCY APPROVAL

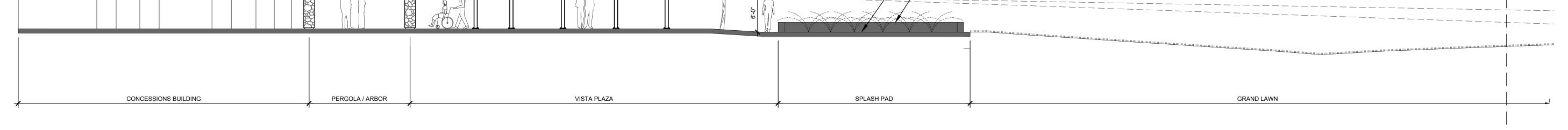
REVISIONS NO. DATE

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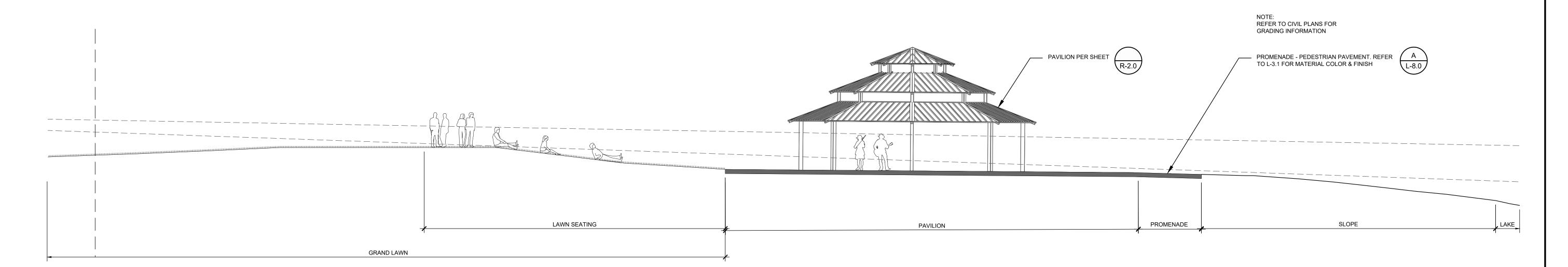
BUILDING PLANS AND DETAILS

L-6.0



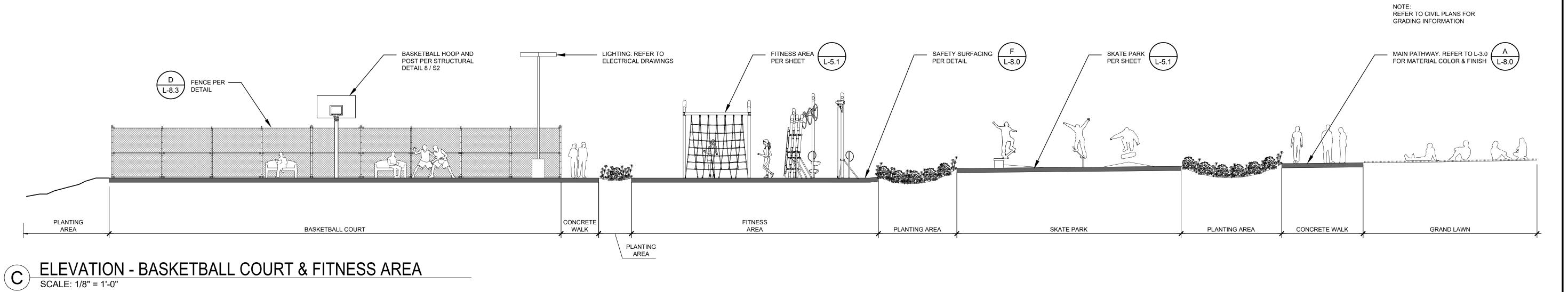


A ELEVATION - BUILDING TO GRAND LAWN SCALE: 1/8" = 1'-0"



ELEVATION - GRAND LAWN TO LAKE

SCALE: 1/8" = 1'-0"



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SECTIONS & ELEVATIONS

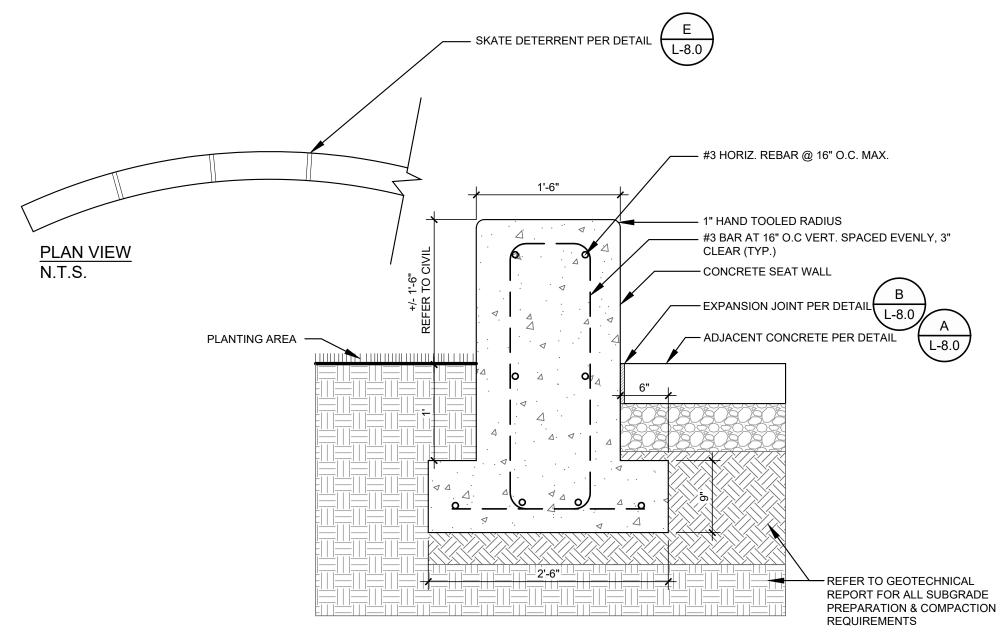
• 200009.00

JOB

SHEET

L-7.0

G ROCK MULCH WITH REDWOOD HEADER
SCALE:1/2" = 1'-0"



1/8 MACHINE ROUTED -

CONCRETE WALL PER

EXPANSION JOINTS EVENLY SPACED

2. CUSTOM CUT BOARDS MAY BE

REQUIRED FOR FORMWORK

3. PLACE EXPANSION JOINT AT EDGE

OF WALL JOINT, AS SHOWN

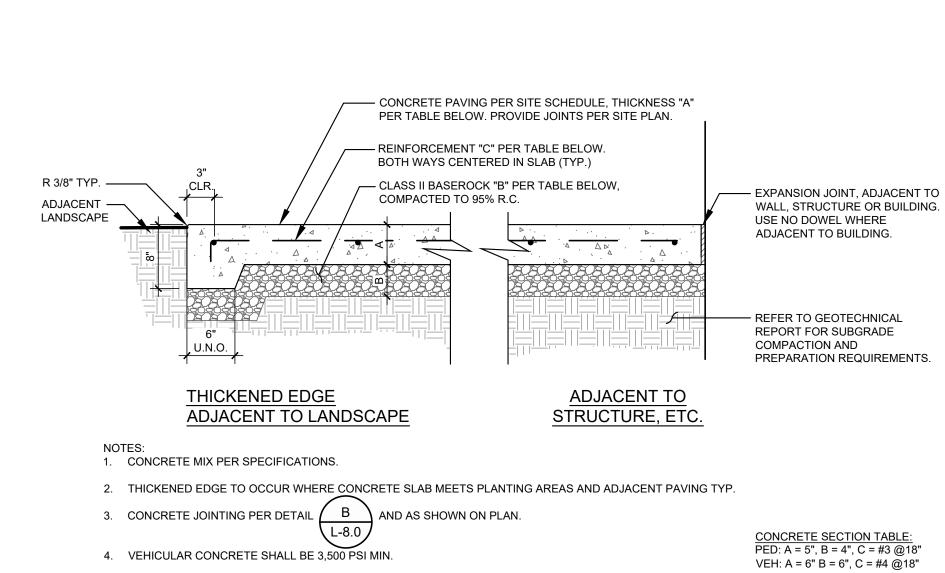
4. RECESS AS SHOWN TO WRAP ALL EXPOSED WALL FACES

IN WALL - 24' O.C. MAX. REFER TO SITE PLAN FOR LOCATIONS

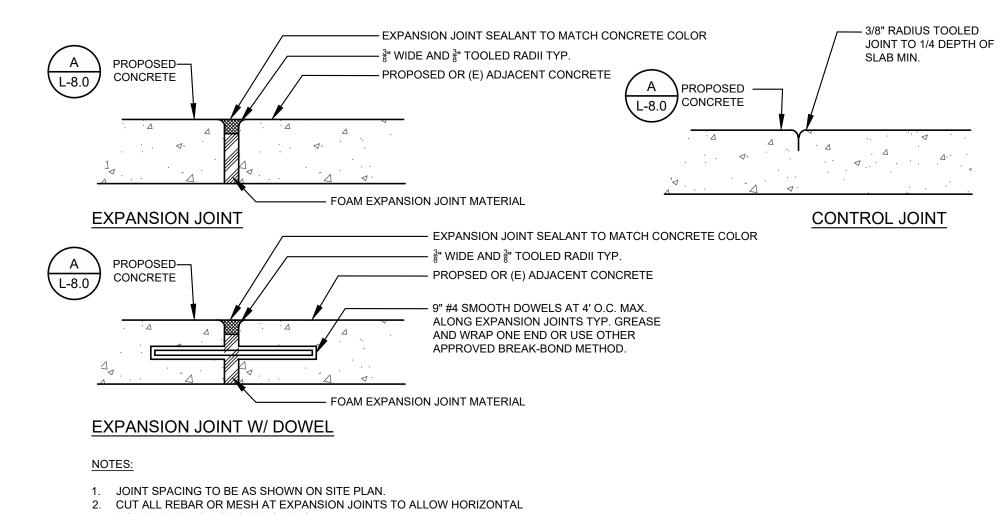
<u>N.T.S.</u>

DETAIL

NOTES:



SCALE:1" = 1'-0"

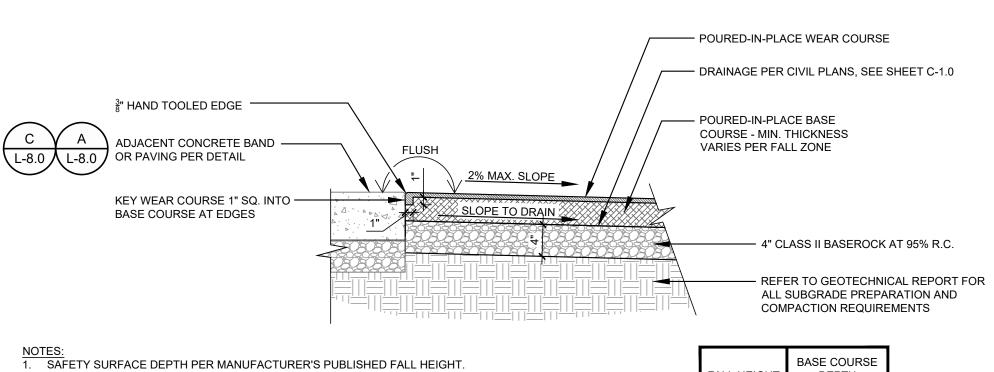


MOVEMENT. DO NOT CUT DOWELS.

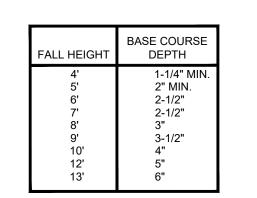
3. ALL EXPANSION JOINTS TO BE WITH DOWEL UNLESS NOTED OTHERWISE. 4. SEALANT COLOR TO MATCH CONCRETE.

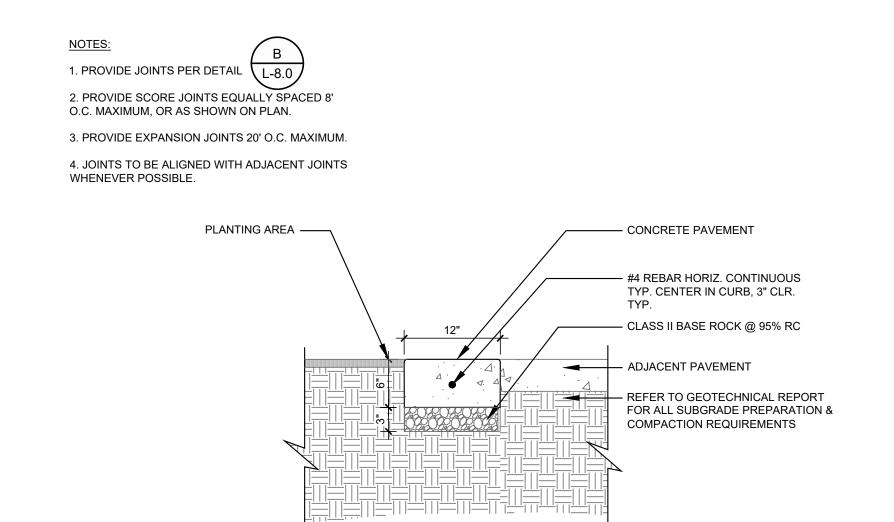
B CONCRETE JOINTING

SCALE:1" = 1'-0"



CONTRACTOR IS RESPONSIBLE FOR COORDINATING CLASS II BASEROCK ELEVATIONS BASED ON REQUIRED SAFETY SURFACING DEPTH. 2. REFER TO TECHNICAL SPECIFICATIONS FOR MORE INFORMATION





POURED-IN-PLACE RUBBER PLAY SURFACING

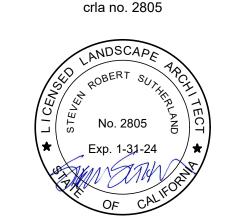
SCALE:1" = 1'-0"





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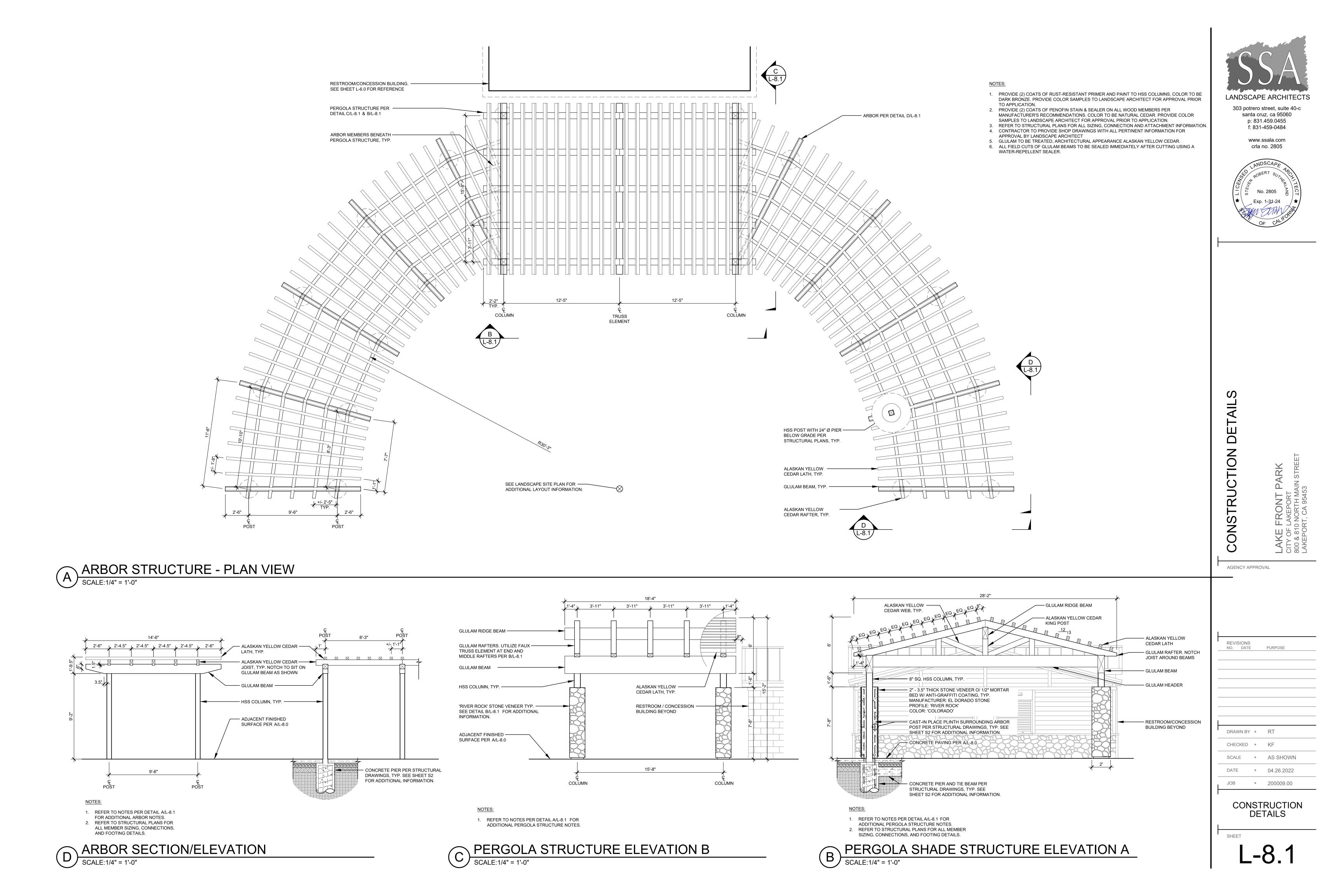
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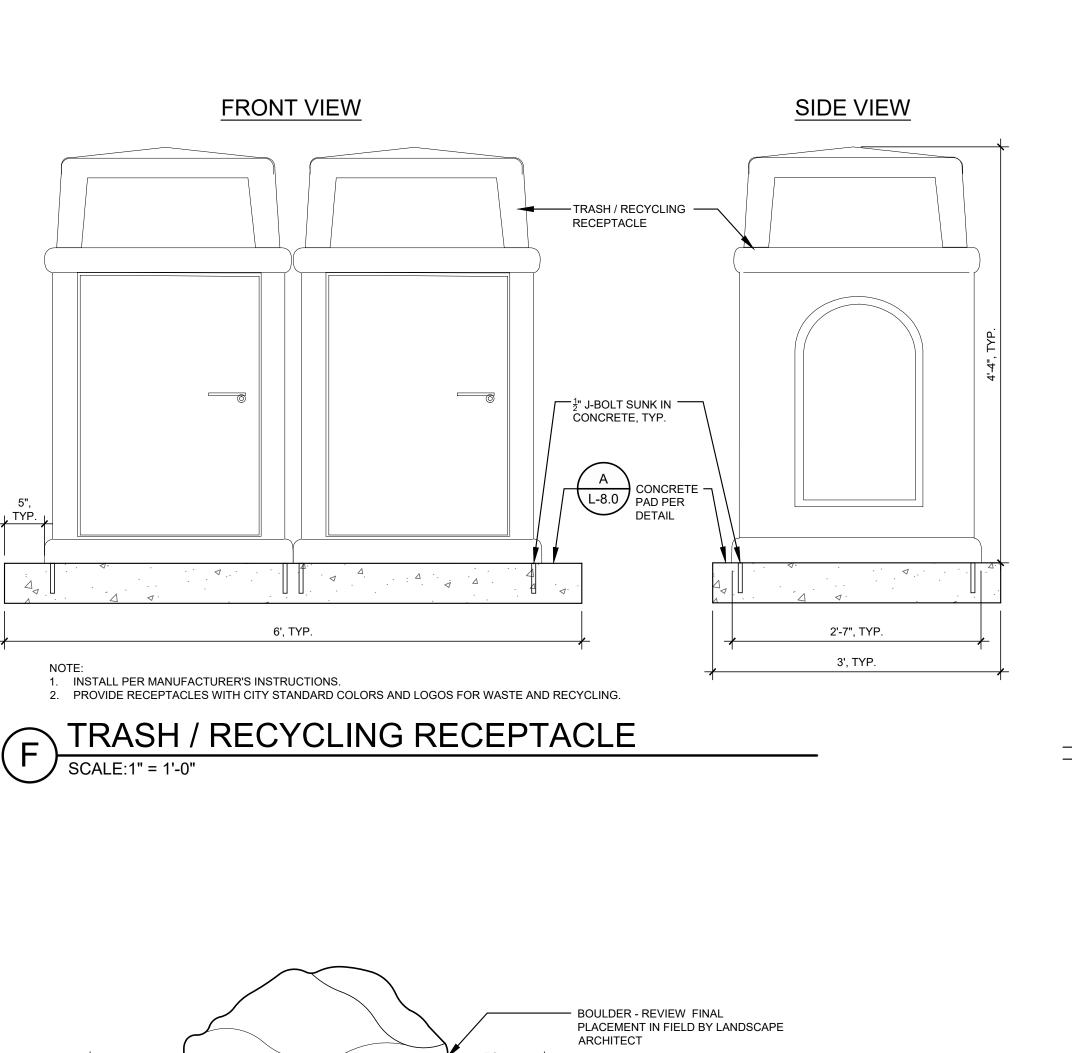
CONSTRUCTION **DETAILS**

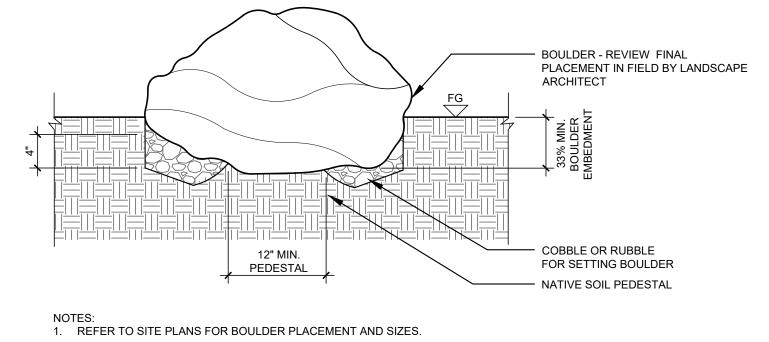
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JOB

SHEET



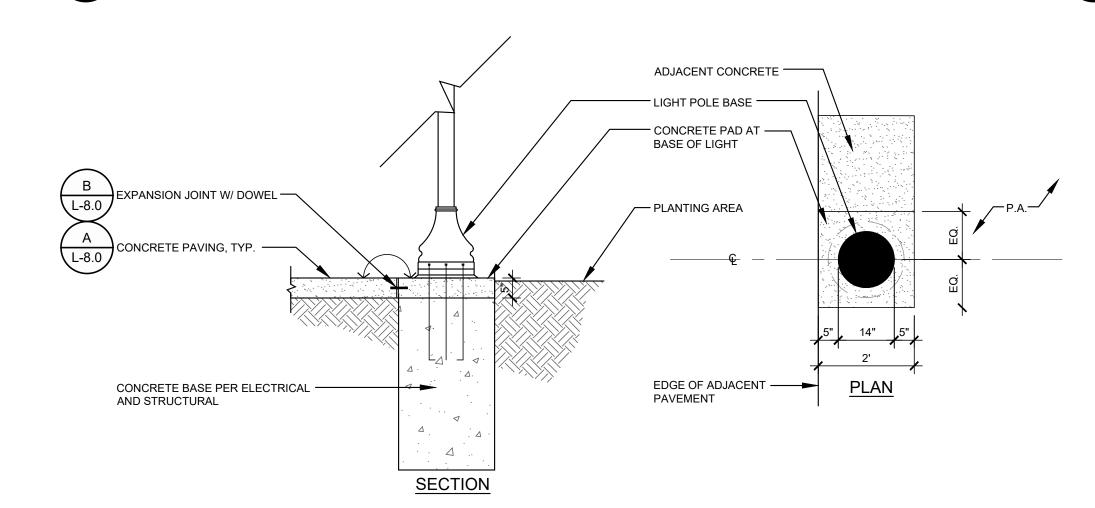




2. LANDSCAPE ARCHITECT TO COORDINATE SELECTION AND FINAL ARRANGEMENT OF BOULDERS.



BOULDER EMBEDDED IN LANDSCAPE SCALE:1" = 1'-0"

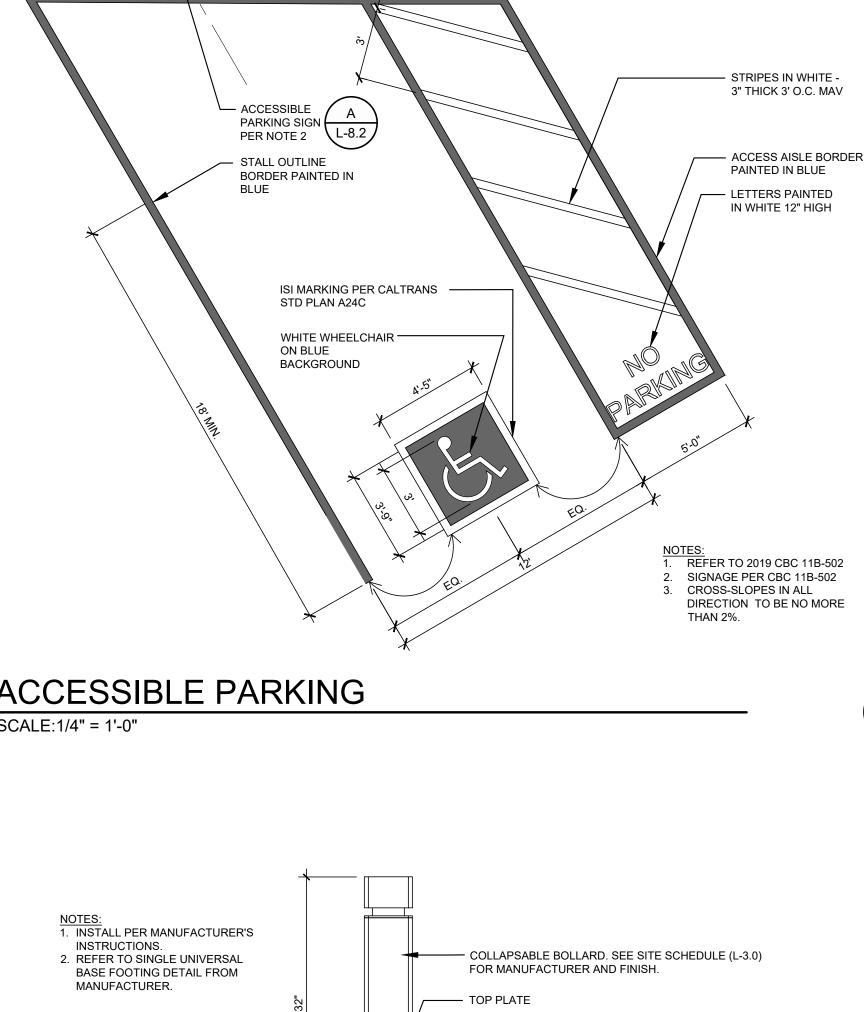


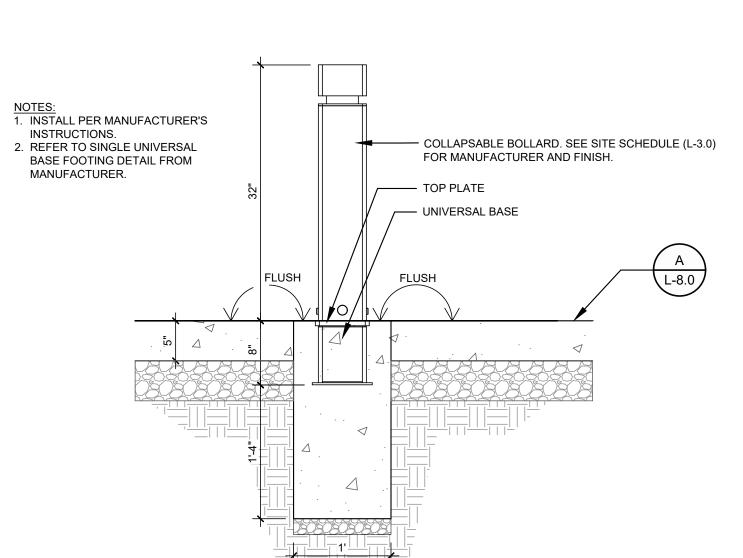
REFER TO ELECTRICAL & STRUCTURAL PLANS FOR LIGHT / FOOTING INSTALLATION.

2. REFER TO SITE PLAN & LAYOUT FOR LOCATION.

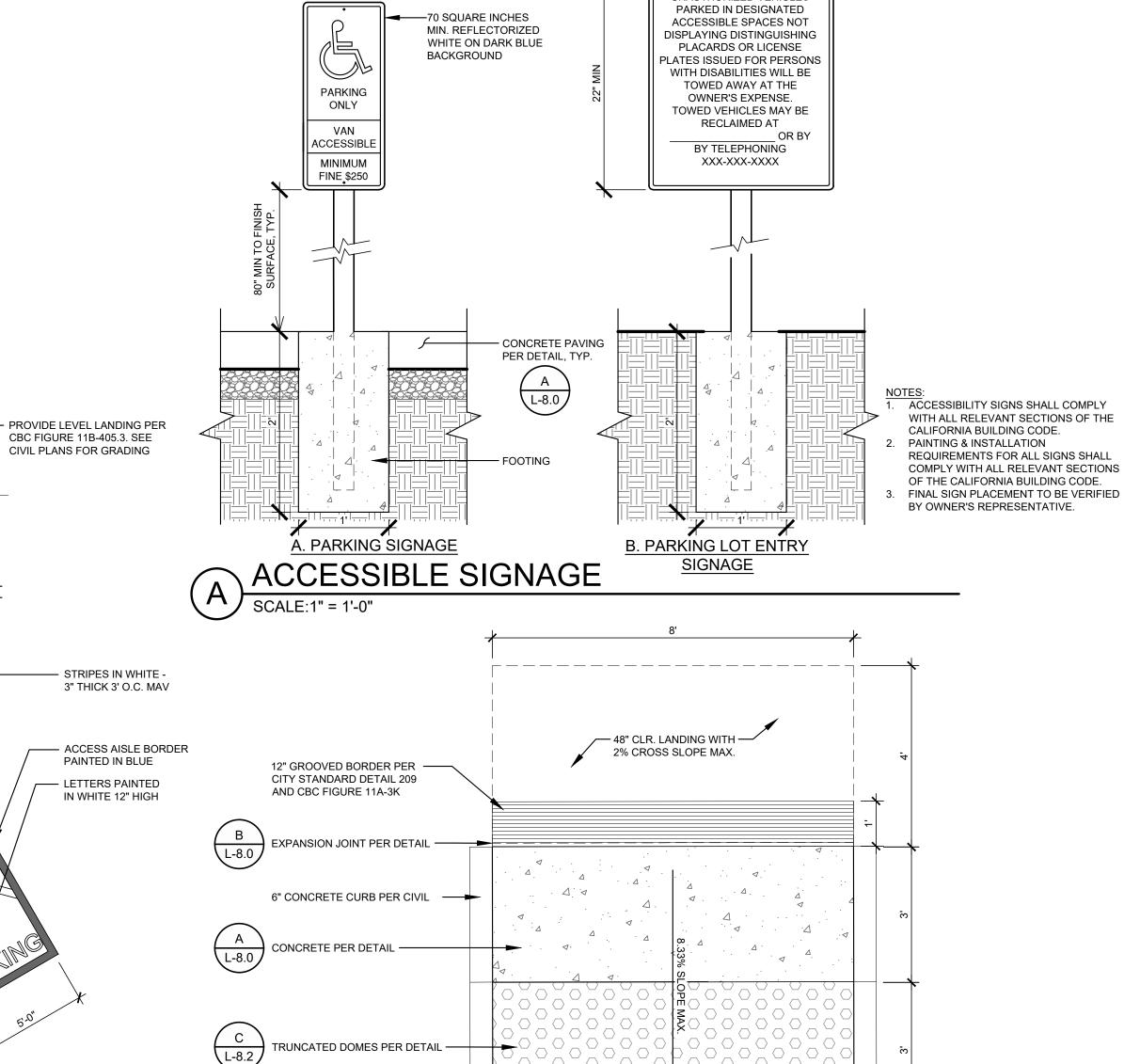
CONCRETE PAD AT LIGHT

SCALE:1/2" = 1'-0"





E REMOVABLE BOLLARD SCALE: NTS

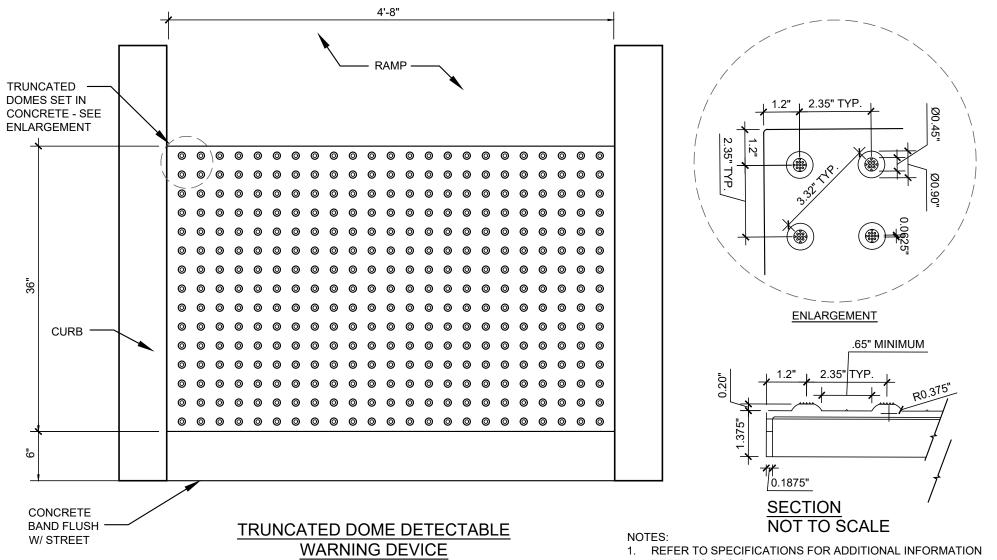


UNAUTHORIZED VEHICLES

CURB RAMPS SHALL COMPLY WITH ALL RELEVANT SECTIONS OF THE CALIFORNIA BUILDING CODE.

CBC FIGURE 11B-405.3. SEE

CIVIL PLANS FOR GRADING



PLAN VIEW

NOT TO SCALE

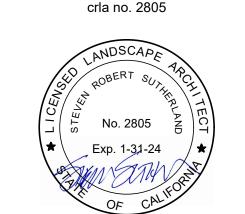
REFER TO CBC CHAPTER 11B-705 3. ACCESSIBILITY DETECTABLE WARNING DEVICES SHALL COMPLY WITH ALL RELEVANT SECTIONS OF THE CALIFORNIA BUILDING CODE.

LANDSCAPE ARCHITECTS 303 potrero street, suite 40-c

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santa cruz, ca 95060

p: 831.459.0455



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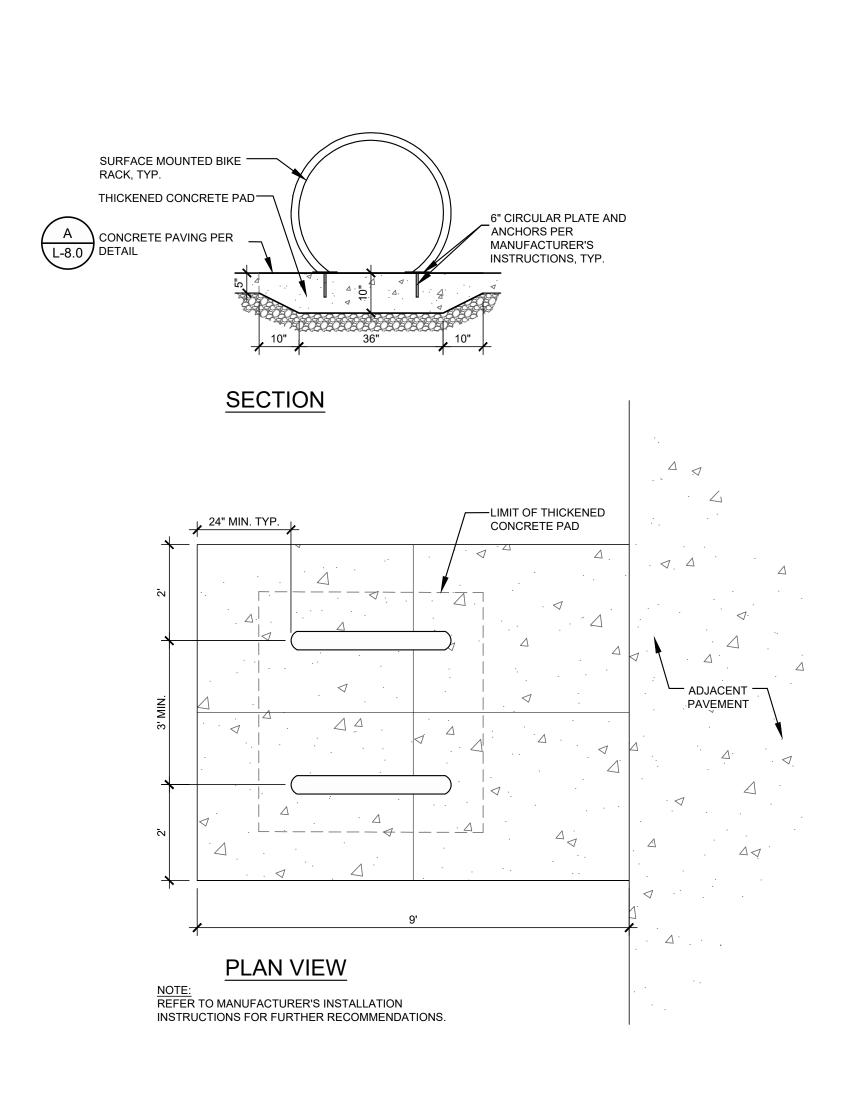
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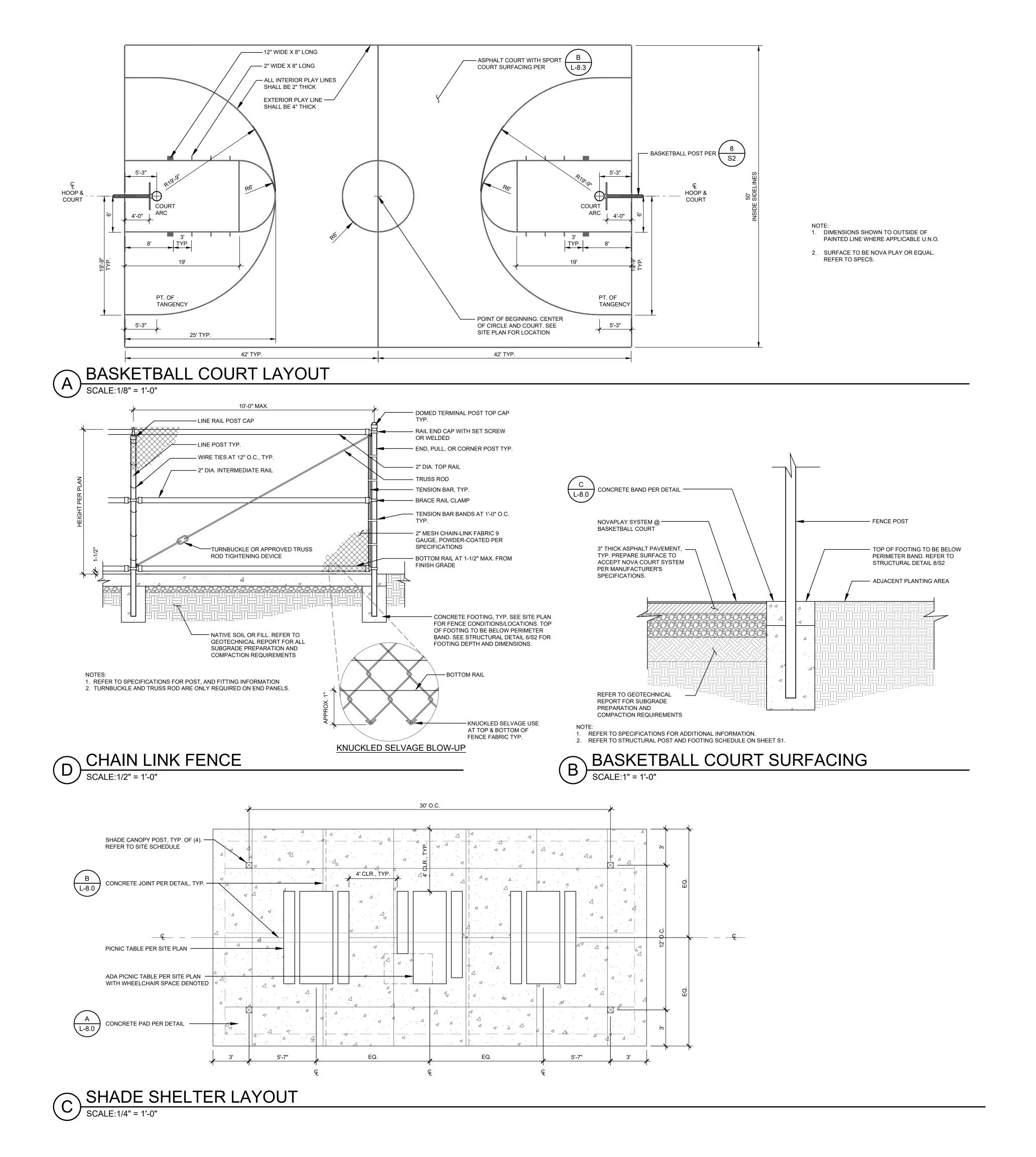
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CONSTRUCTION DETAILS

L-8.2

SHEET

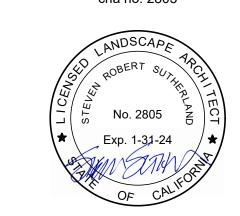




LANDSCAPE ARCHITECTS
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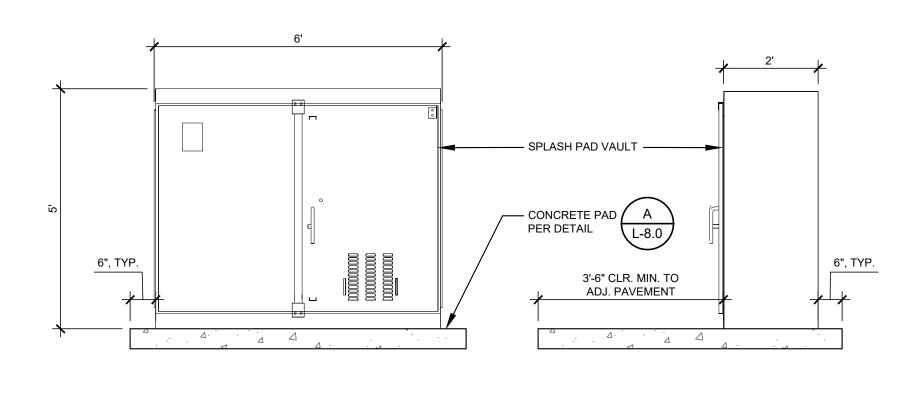
JOB

CONSTRUCTION DETAILS

• 200009.00

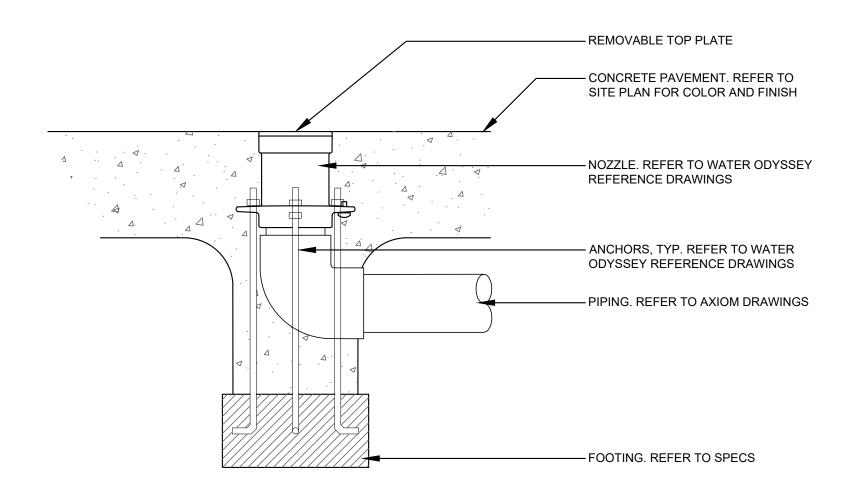
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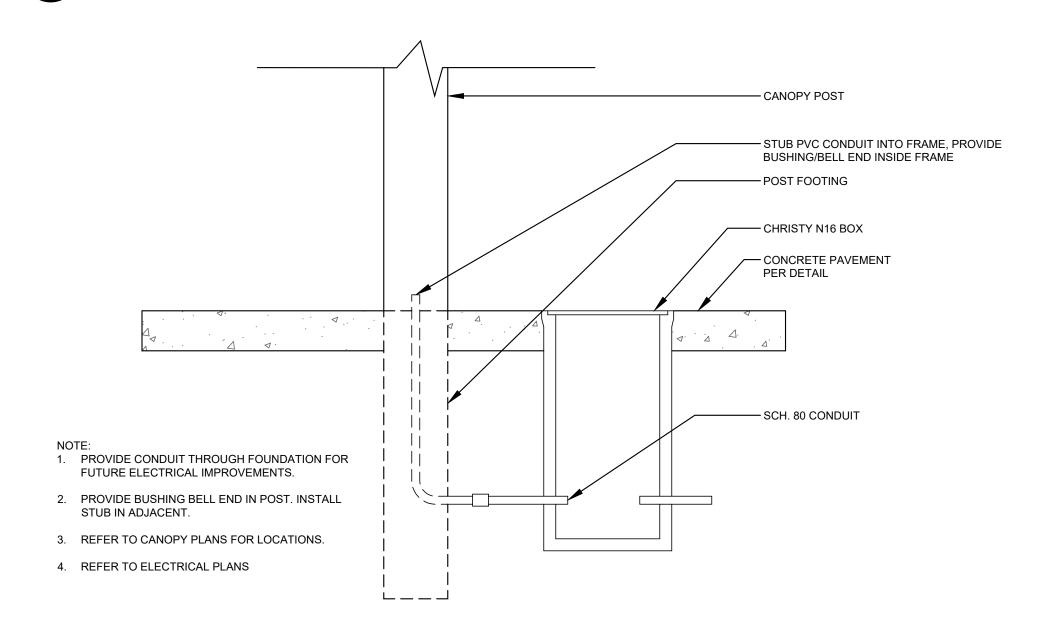
L-8.3



- 1. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- 2. REFER TO ELECTRICAL PLANS.

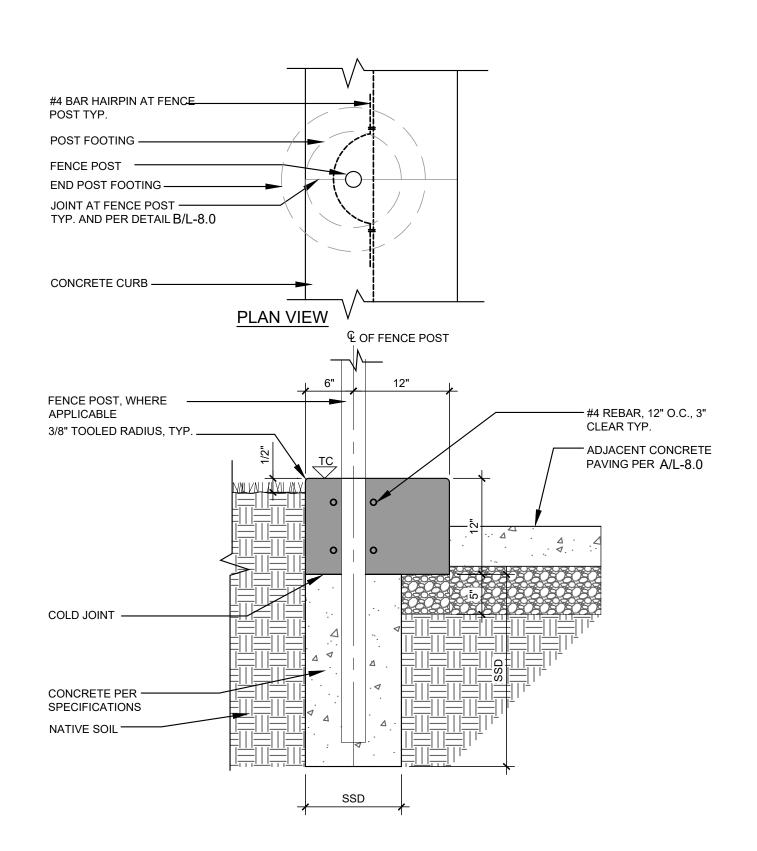
F SPLASH PAD EQUIPMENT ENCLOSURE SCALE:1/2" = 1'-0"





CONDUIT IN SHADE SHELTER POST

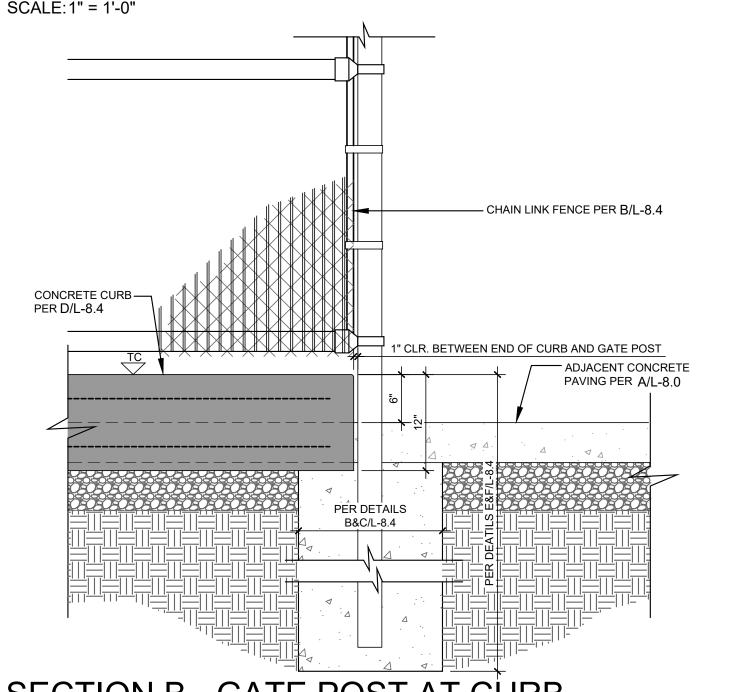
SCALE:1" = 1'-0"



1. CONCRETE PAVING, AGGREGATE BASE AND SUBGRADE COMPACTION AND INSTALLATION PER GEOTECHNICAL REPORT

- 2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO SAMPLES AND SUBMITTALS.
- 3. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR TO CURB LENGTH. CONSULT WITH OWNERS REPRESENTATIVE IF QUESTIONS ARISE.
- 4. FOR ALL TOP OF CURB ELEVATIONS (TC), REFER TO GRADING PLAN.

SECTION A - CONCRETE CURB WITH FENCE POST SCALE: 1" = 1'-0"



SECTION B - GATE POST AT CURB

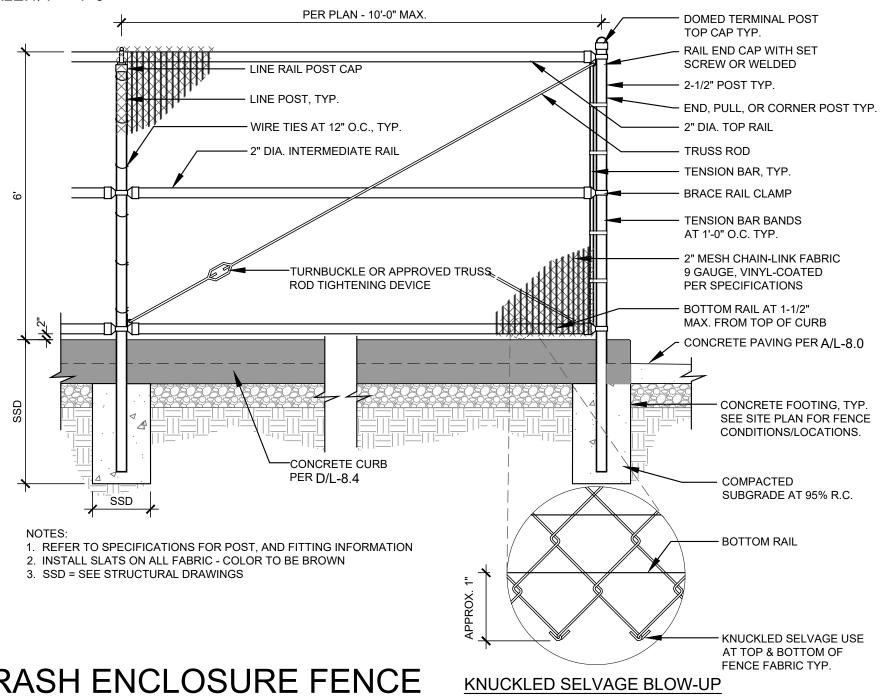
SCALE:1" = 1'-0"

__ CONCRETE ____ ▽ PAVING APRON CHAIN LINK GATE PER C/L-8.4 GATE POST - 6" CONCRETE CURB 6'-0" TALL CHAIN LINK FENCE PER B/L-8.4 RECEPTACLE

— ADJACENT ASPHALT PAVING —

TRASH ENCLOSURE - PLAN VIEW

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



B TRASH ENCLOSURE FENCE
| SCALE:1/2" = 1'-0"

DETAIL

TURNBUCKLE

CHAINLINK FABRIC —

END POST AT GATE-

CONCRETE PAVING —

PER DETAIL A/L-8.0

FENCE POST -

FOOTING, BEYOND

SSD

STRAPS SHALL BE 1 X 1" —

GALVANIZED PRESSED STEEL

KNUCKLED SELVAGE — TOP OF FABRIC 1. GATES SHALL BE FRAMED ON FOUR FRAME PER PANEL -3" MAX. 3" MAX. SIDES WITH 1 7/8" DIA. STANDARD WEIGHT STEEL PIPE. THE GATE FRAMES SHALL BE OF ALL SHOP-WELDED HEAVY DUTY PRESSED CONSTRUCTION WITH COMPLETE FULL STEEL FORK LATCH, WELDS GROUND SMOOTH. PAD LOCK COMPATIBLE 2. GATE HINGES SHALL BE HEAVY-DUTY PRESSED STEEL PER SPECIFICATIONS. GATE-LOCKING DEVICE SHALL BE HEAVY-DUTY PRESSED STEEL EXTERNAL GALV. INTERMED. BAR. -TYPE WITH LATCH, KEEPER, AND ALL APPURTENANCES AS SHOWN ON PLANS. DIAGONAL BRACE WITH-

– 1 ⁵/₈" O.D. CANE

1 $\frac{7}{8}$ " I.D. X 12"

CONCRETE.

EMBEDDED STEEL

RECEIVER PIPE IN

ALL GATES HALL HAVE AN INTERMEDIATE RAIL, TURNBUCKLE AND TRUSS ROD. WHEREVER A DIAGONAL BRACE CROSSES AN INTERMEDIATE RAIL, THE BRACH SHALL PASS BETWEEN THE RAIL AND THE MESH.

4. SEE SPECIFICATIONS FOR FABRIC, POST, & FITTING INFORMATION. . PROVIDE (1) RECEIVER PER GATE IN

CLOSED POSITION AND OPEN POSITION. 6. SEE PLAN FOR GATE LOCATION. 7. SSD = SEE STRUCTURAL DRAWINGS

- BOTTOM RAIL AT 1-1/2" MAX. FROM FINISH GRADE

 REFER TO SPECIFICATIONS FOR POST, AND FITTING INFORMATION 2. INSTALL SLATS ON ALL FABRIC -COLOR TO BE BROWN

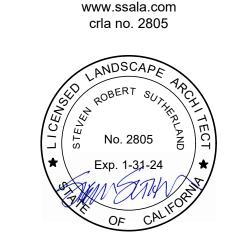
C TRASH ENCLOSURE FENCE GATES

SCALE:1/2" = 1'-0"

- 6" CONCRETE CURB

PER D/L-8.4

LANDSCAPE ARCHITECTS 303 potrero street, suite 40-c santa cruz, ca 95060 p: 831.459.0455 f: 831-459-0484



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CONSTRUCTION **DETAILS**

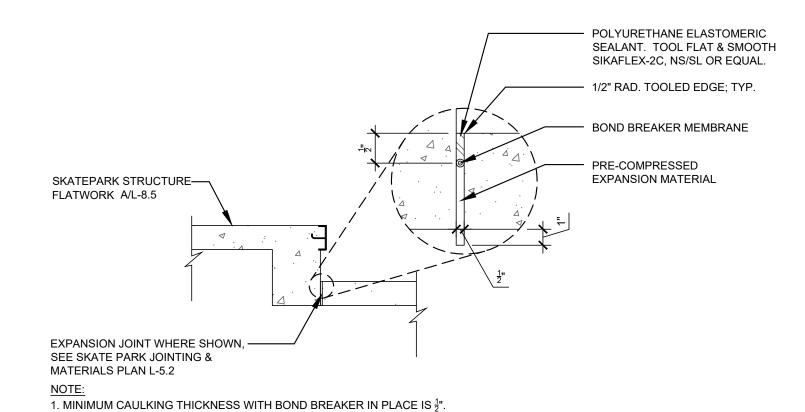
• 200009.00

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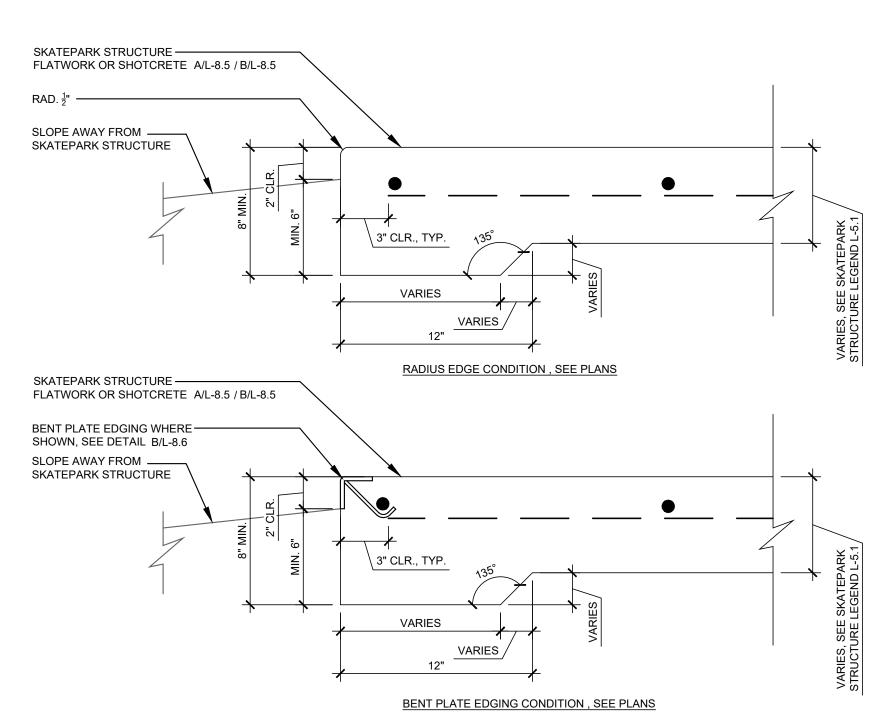
1. CONTRACTOR SHALL LOCATE SAWCUTS APPROXIMATELY EVERY 10' O.C. (100 SF) UNLESS SHOWN OTHERWISE.
2. SEE SKATEPARK JOINTING AND MATERIALS PLAN L-5.2 FOR SAWCUT LOCATIONS.

SKATEPARK STRUCTURE SAWCUT SCALE:1/2" = 1'-0"

2. SEE SKATE PARK JOINTING & MATERIALS PLAN L-5.2 AND DETAILS FOR LOCATIONS.



H EXPANSION JOINT



NOTES:

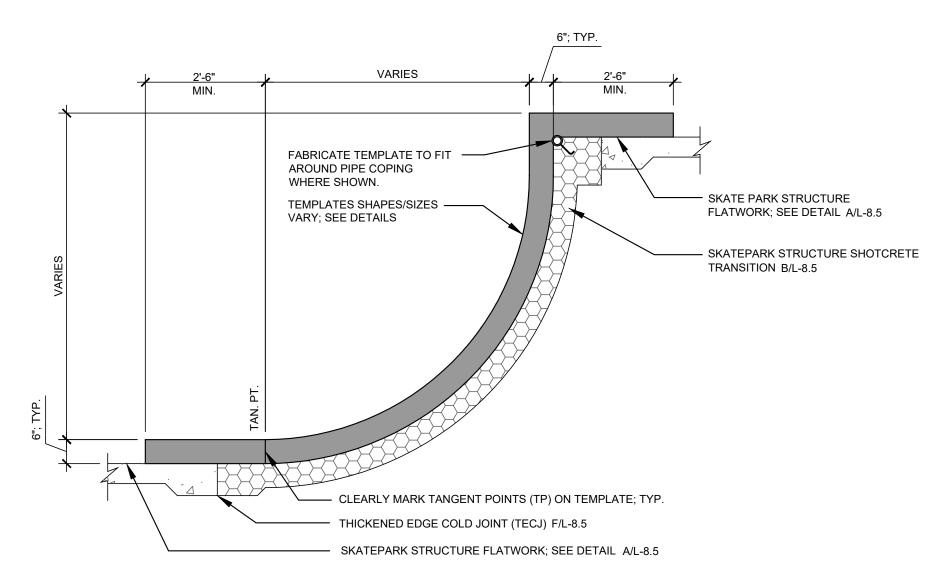
1. SEE SKATEPARK STRUCTURE LEGEND L-5.1 FOR FLATWORK THICKNESS AND REINFORCEMENT REQUIREMENTS.

2. ALL FLATWORK SHALL BE CONSTRUCTED ON SUBBASE AND SUBGRADE MATERIAL PER THE PROJECT PLANS, GENERAL NOTES, AND PROJECT SPECIFIC GEOTECHNICAL REPORT.

3. ALL FLATWORK TO HAVE A HARD TROWEL FINISH UNLESS NOTED OTHERWISE.

SKATEPARK EDGE CONDITIONS

JGE CONDITIONS

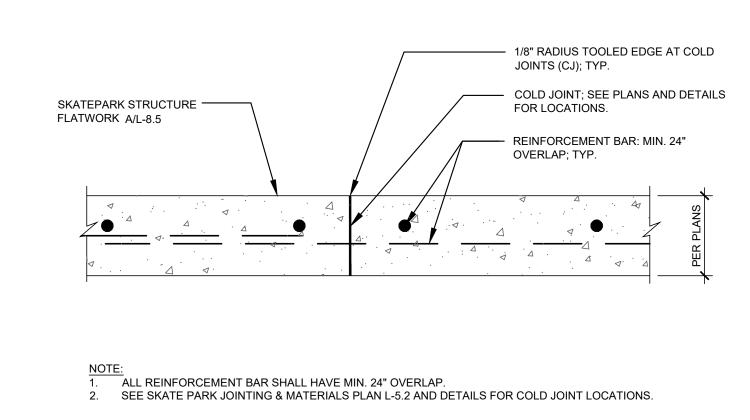


NOTES:

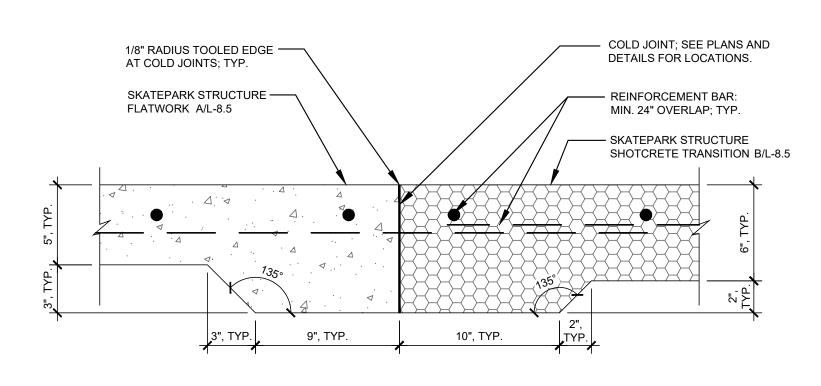
1. USE NON-FLEX PLYWOOD, ALUMINUM, OR METAL FOR TEMPLATES.

2. USE TEMPLATES FOR EACH SHOTCRETE DETAIL. TEMPLATES MUST BE REVIEWED BY OWNERS REPRESENTATIVE IN ADVANCE OF SHOTCRETE PLACEMENT. TEMPLATES MUST BE LOCATED IN THE RESPECTIVE AREAS OF USE BEFORE INSPECTION.

SHOTCRETE TEMPLATE



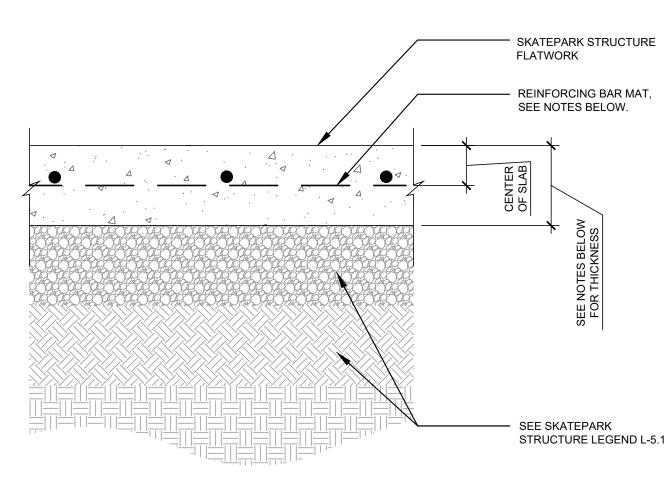
E SKATEPARK FLATWORK TYPICAL COLD JOINT SCALE:1/2" = 1'-0"



NOTE:

1. ALL REINFORCEMENT BAR SHALL HAVE MIN. 24" OVERLAP.
2. SEE SKATE PARK JOINTING & MATERIALS PLAN L-5.2 AND DETAILS FOR COLD JOINT LOCATIONS.
3. THICKENED SHOTCRETE EDGE SHALL BE CONSTRUCTED ON ALL SHOTCRETE TRANSITIONS BOTTOM LOCATIONS.
4. ALL FLATWORK/SHOTCRETE SHALL BE CONSTRUCTED ON SUBBASE AND SUBGRADE MATERIAL PER THE PROJECT PLANS, GENERAL NOTES, AND PROJECT SPECIFIC GEOTECHNICAL REPORT.

THICKENED EDGE COLD JOINT



NOTES:

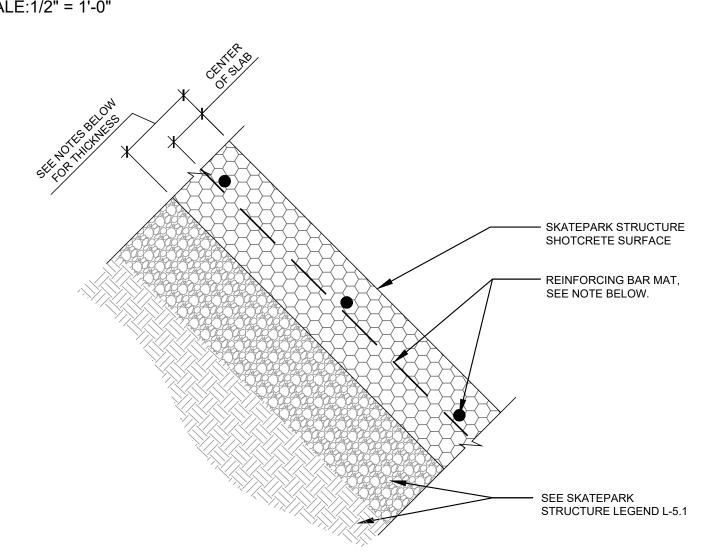
1. SEE SKATEPARK STRUCTURE LEGEND L-5.1 FOR FLATWORK THICKNESS AND REINFORCEMENT REQUIREMENTS.

2. ALL FLATWORK SHALL BE CONSTRUCTED ON SUBBASE AND SUBGRADE MATERIAL PER THE PROJECT PLANS, GENERAL NOTES, AND PROJECT SPECIFIC GEOTECHNICAL REPORT.

3. MIN. 2" SEPARATION BETWEEN SUBGRADE AND REINFORCEMENT, TYP.

4. ALL FLATWORK TO HAVE A HARD TROWEL FINISH UNLESS NOTED OTHERWISE.

SKATEPARK STRUCTURE FLATWORK



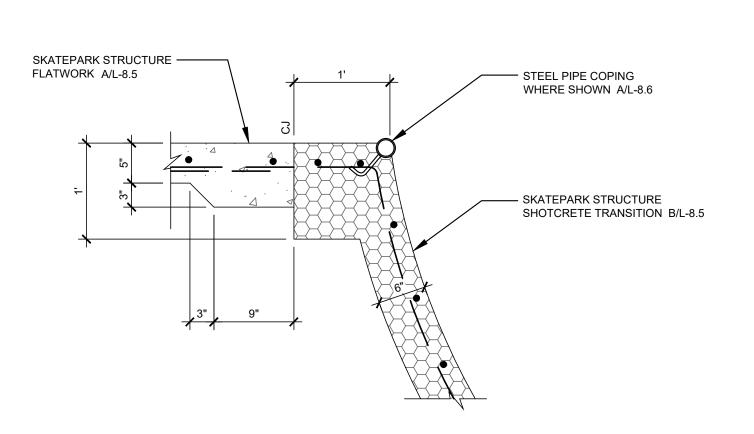
NOTES:

1. SEE SKATEPARK STRUCTURE LEGEND L-5.1 FOR FLATWORK THICKNESS AND REINFORCEMENT REQUIREMENTS.

2. ALL FLATWORK SHALL BE CONSTRUCTED ON SUBBASE AND SUBGRADE MATERIAL PER THE PROJECT PLANS, GENERAL NOTES, AND PROJECT SPECIFIC GEOTECHNICAL REPORT.

3. ALL SHOTCRETE TO HAVE A HARD TROWEL FINISH UNLESS NOTED OTHERWISE.

B SKATEPARK STRUCTURE SHOTCRETE TRANSITION SCALE:1/2" = 1'-0"

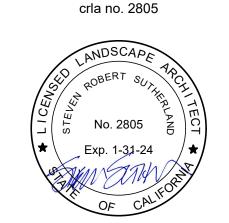


1. BUILD BOND BEAMS AT TOPS OF ALL SHOTCRETE TRANSITIONS UNLESS SPECIFICALLY SHOWN OTHERWISE IN THE SKATEPARK DETAILS.
2. SEE SKATEPARK STRUCTURE LEGEND L-5.1 FOR FLATWORK/SHOTCRETE THICKNESS AND REINFORCEMENT REQUIREMENTS.
3. ALL FLATWORK/SHOTCRETE SHALL BE CONSTRUCTED ON SUBBASE AND SUBGRADE MATERIAL PER THE PROJECT PLANS, GENERAL NOTES, AND PROJECT SPECIFIC GEOTECHNICAL REPORT.

SHOTCRETE BOND BEAM



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NSTRUCTION DETAILS - SKATEPARK

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DATE • 04.26.2022

JOB • 200009.00

CONSTRUCTION DETAILS SKATEPARK

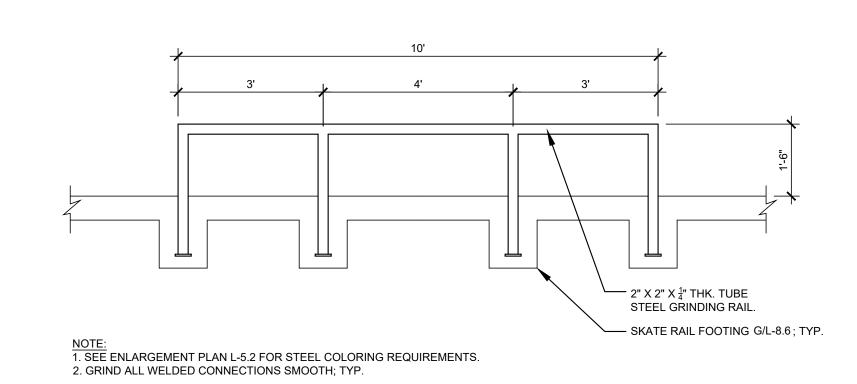
L-8.5

NOTE:

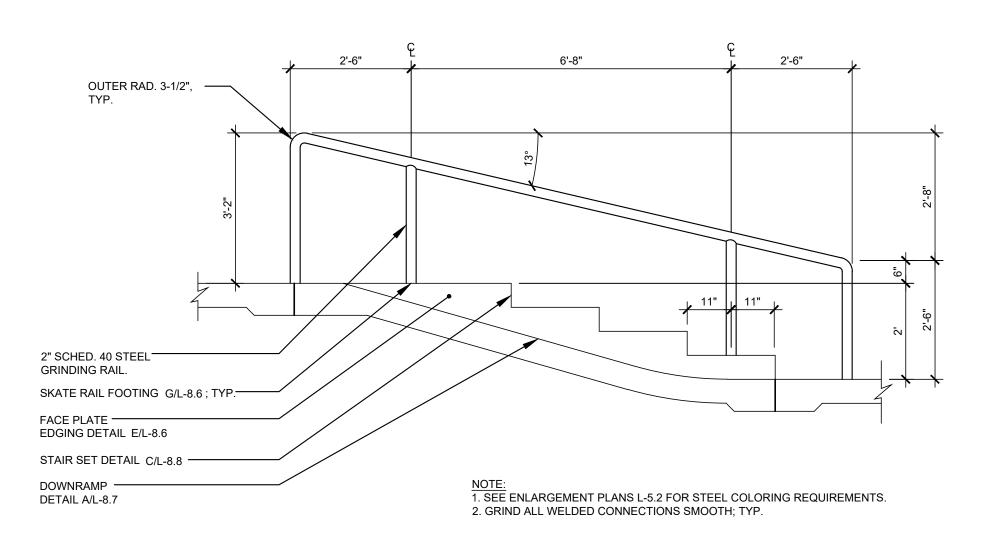
1. SEE ENLARGEMENT PLAN L-5.2 FOR STEEL PAINTING REQUIREMENTS.

2. GRIND ALL WELDED CONNECTIONS SMOOTH; TYP.

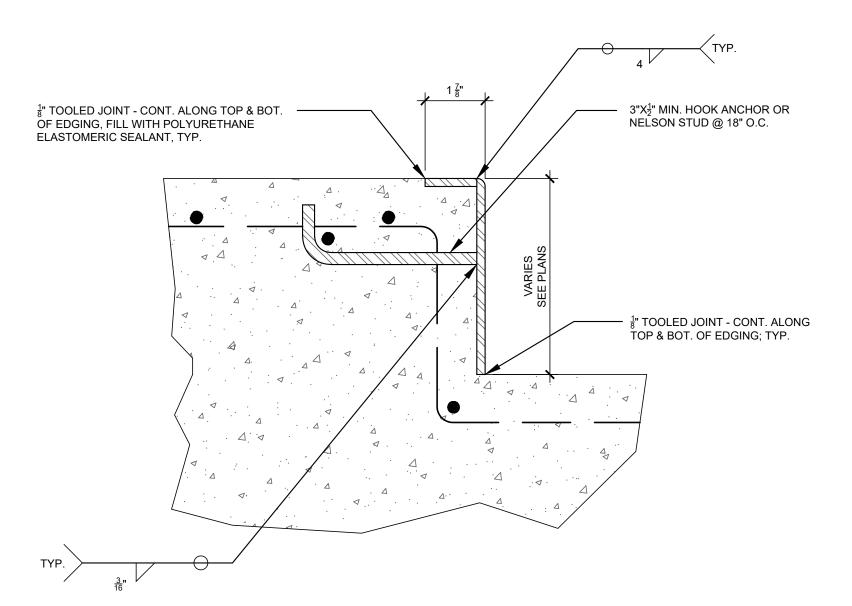
SKATE RAIL FOOTING SCALE:1/2" = 1'-0"



FLAT BAR SCALE: 1/2" = 1'-0"





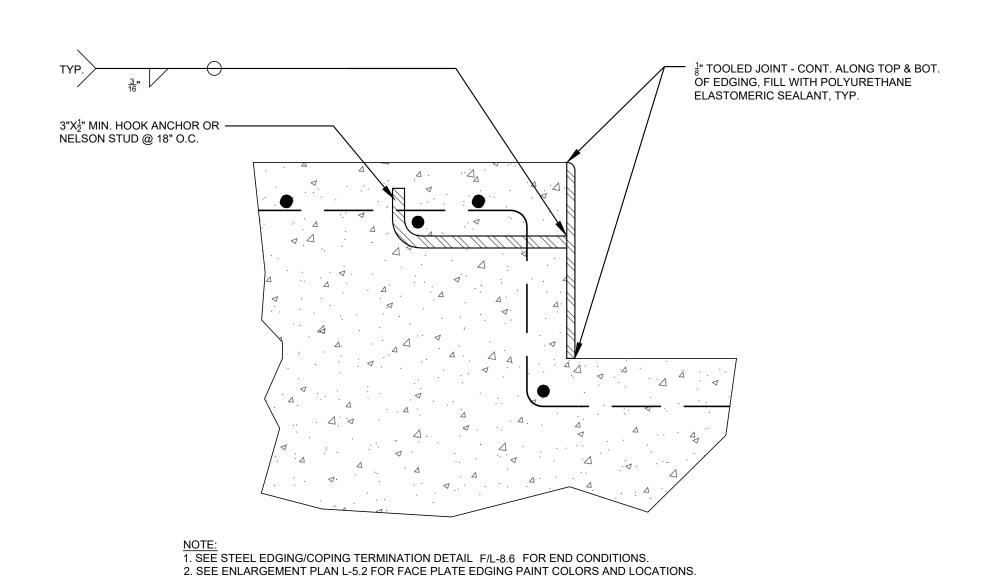


NOTE:

1. SEE STEEL EDGING/COPING TERMINATION DETAIL F/L-8.6 FOR END CONDITIONS.

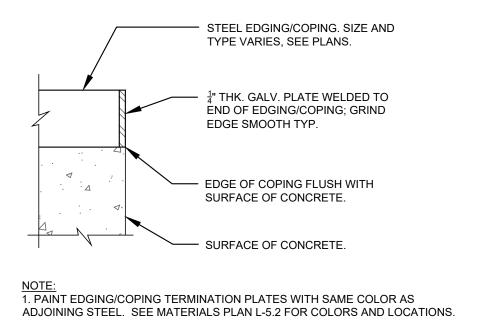
2. SEE MATERIALS PLAN L-5.2 FOR STEEL PLATE EDGING PAINT COLORS AND LOCATIONS.

STEEL PLATE EDGING



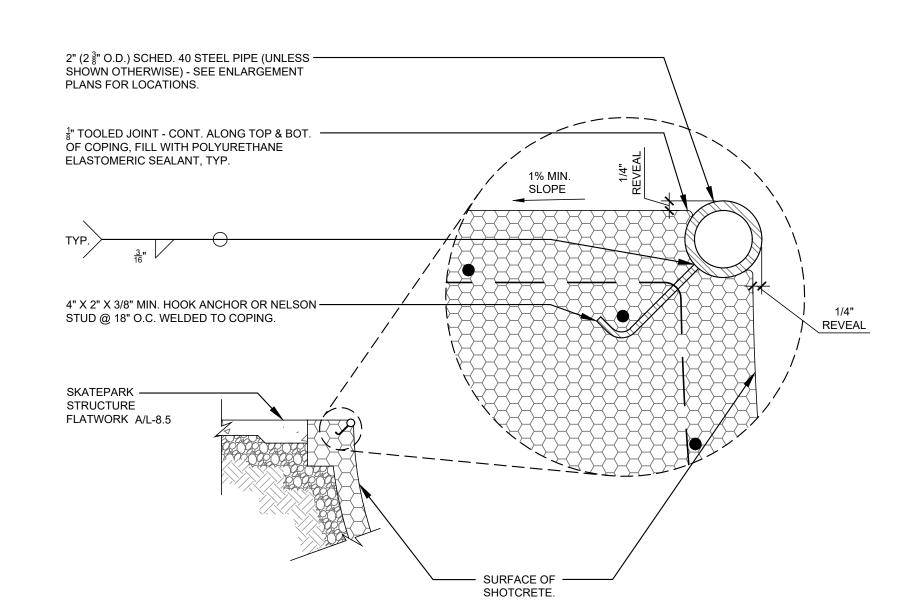
FACE PLATE EDGING

SCALE:1/2" = 1'-0"



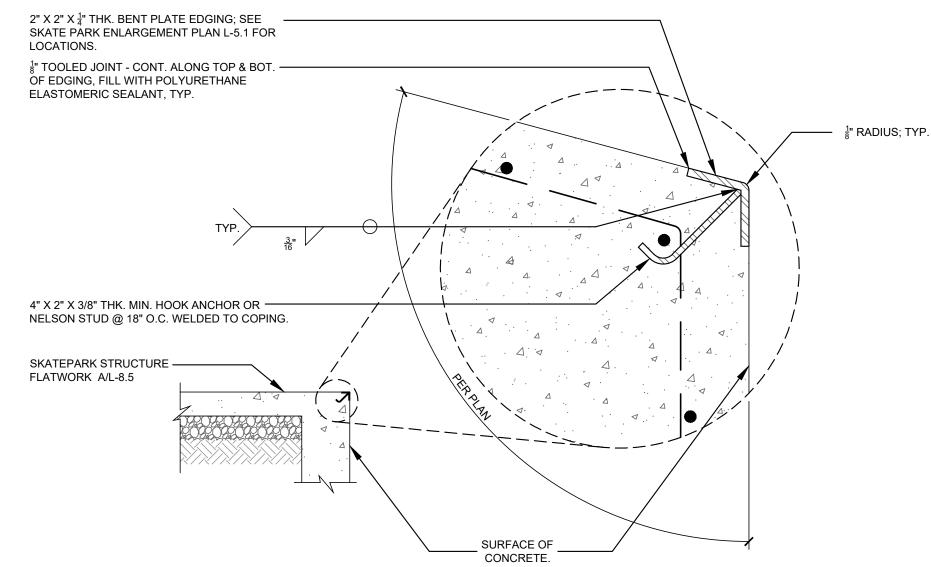
F STEEL EDGING / COPING TERMINATION

SCALE:1/2" = 1'-0"



<u>NOTE:</u>
1. SEE STEEL EDGING/COPING TERMINATION DETAIL F/L-8.6 FOR END CONDITIONS.
2. SEE SKATE PARK JOINTING & MATERIALS PLAN L-5.2 FOR STEEL PIPE COPING PAINT COLORS AND LOCATIONS.

STEEL PIPE COPING

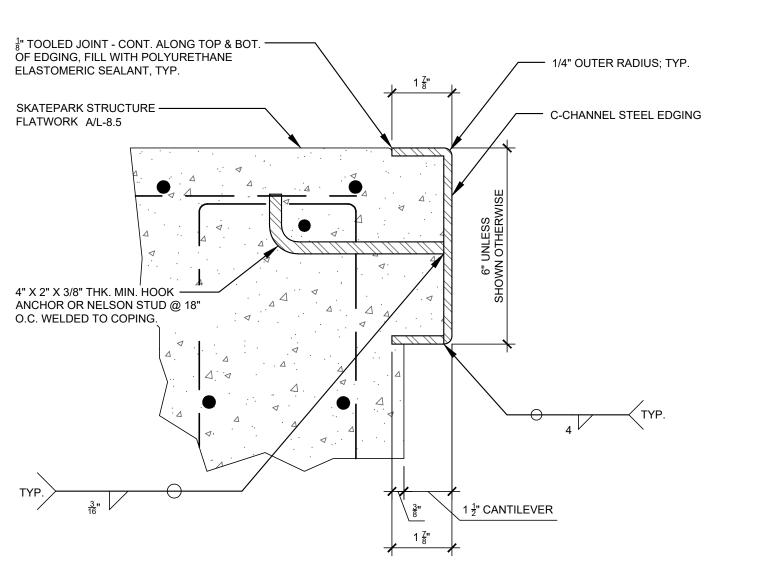


NOTE:

1. SEE STEEL EDGING/COPING TERMINATION DETAIL F/L-8.6 FOR END CONDITIONS.

2. SEE MATERIALS PLAN L-5.2 FOR BENT PLATE EDGING PAINT COLORS AND LOCATIONS.

BENT PLATE EDGING SCALE:1/2" = 1'-0"



NOTE:

1. SEE STEEL EDGING/COPING TERMINATION DETAIL F/L-8.6 FOR END CONDITIONS.

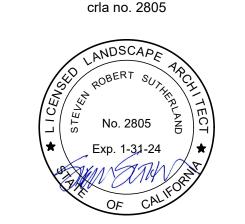
2. SEE MATERIALS PLAN L-5.2 FOR BENT PLATE EDGING PAINT COLORS AND LOCATIONS.





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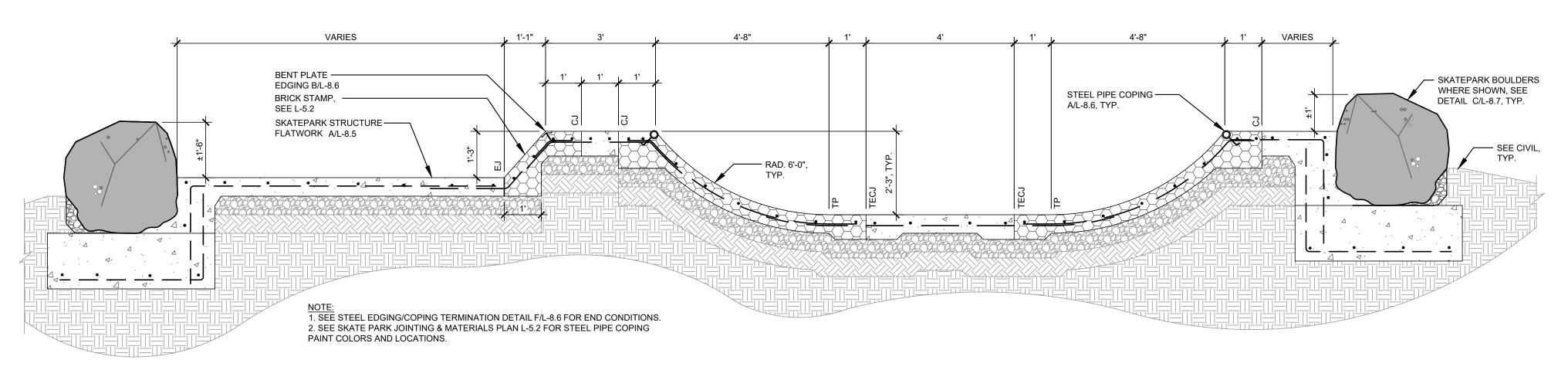
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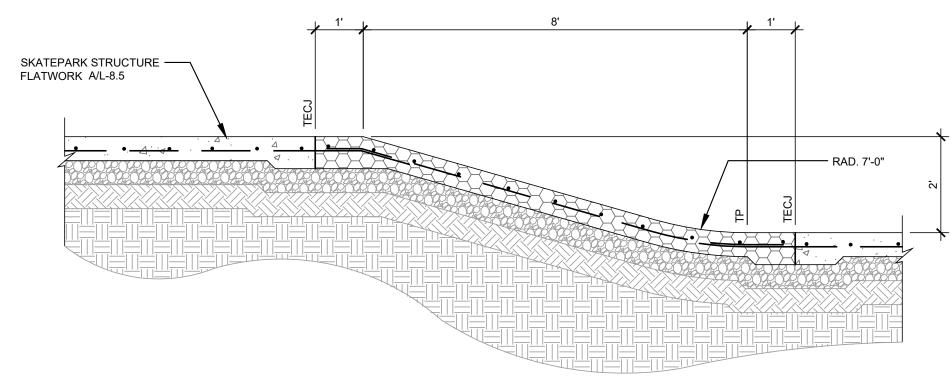
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CONSTRUCTION DETAILS SKATEPARK

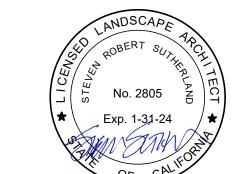
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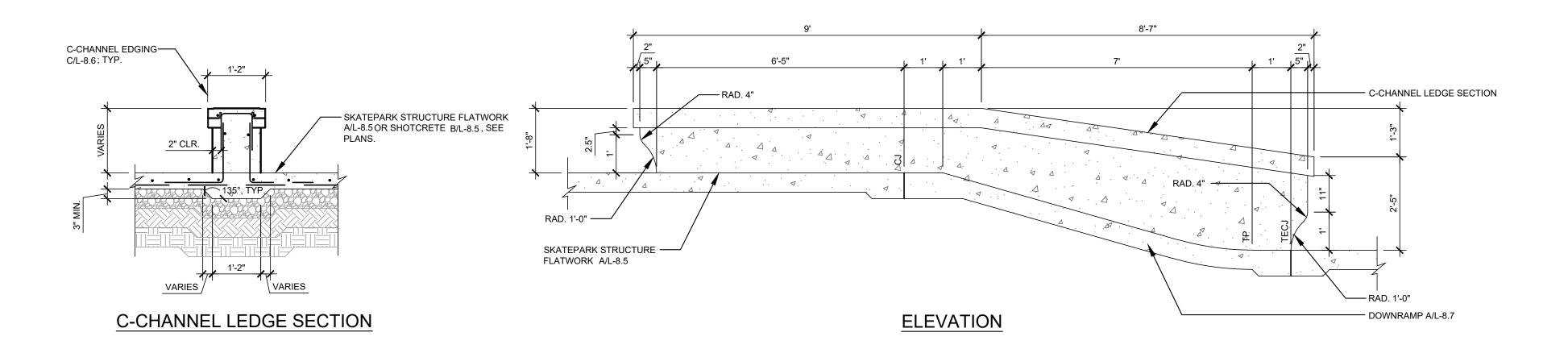


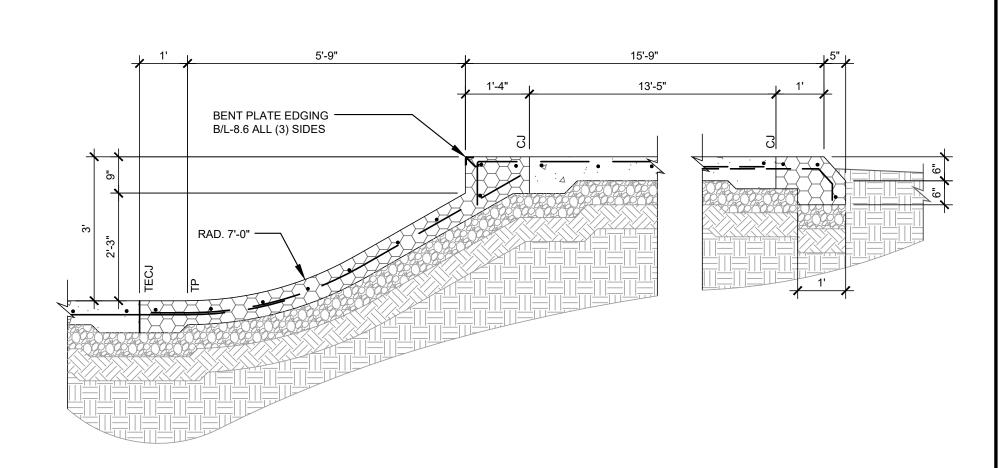
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SKATEPARK

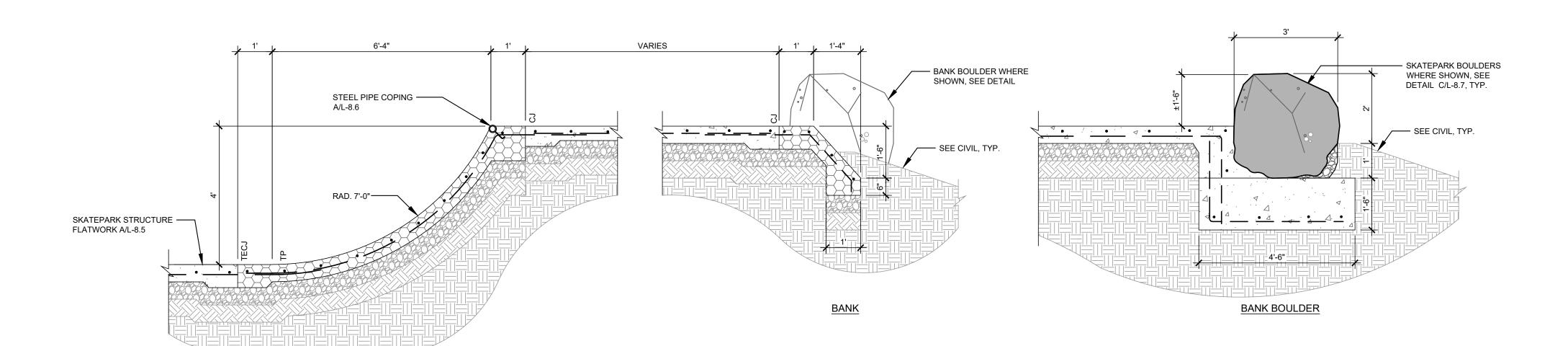
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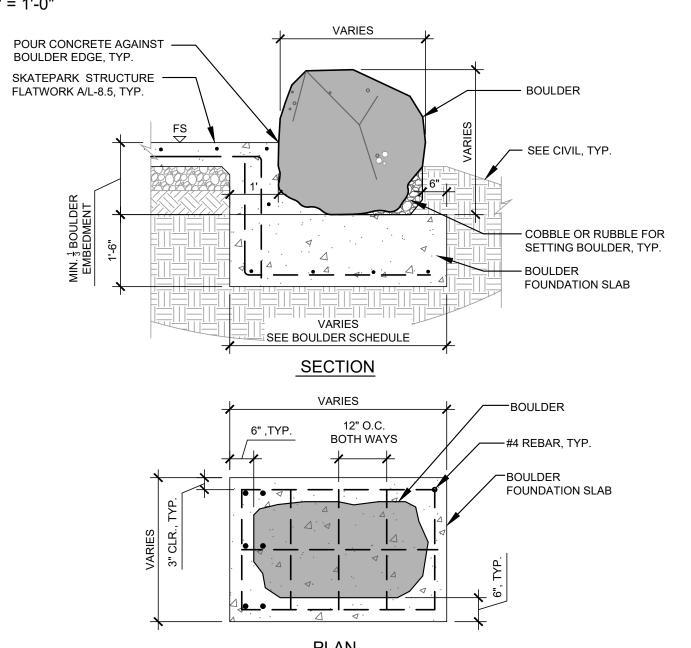




E HUBBA LEDGE

SCALE:1/2" = 1'-0"





SKATEPARK STRUCTURE BOULDER PLACEMENT

SCALE:1/2" = 1'-0"

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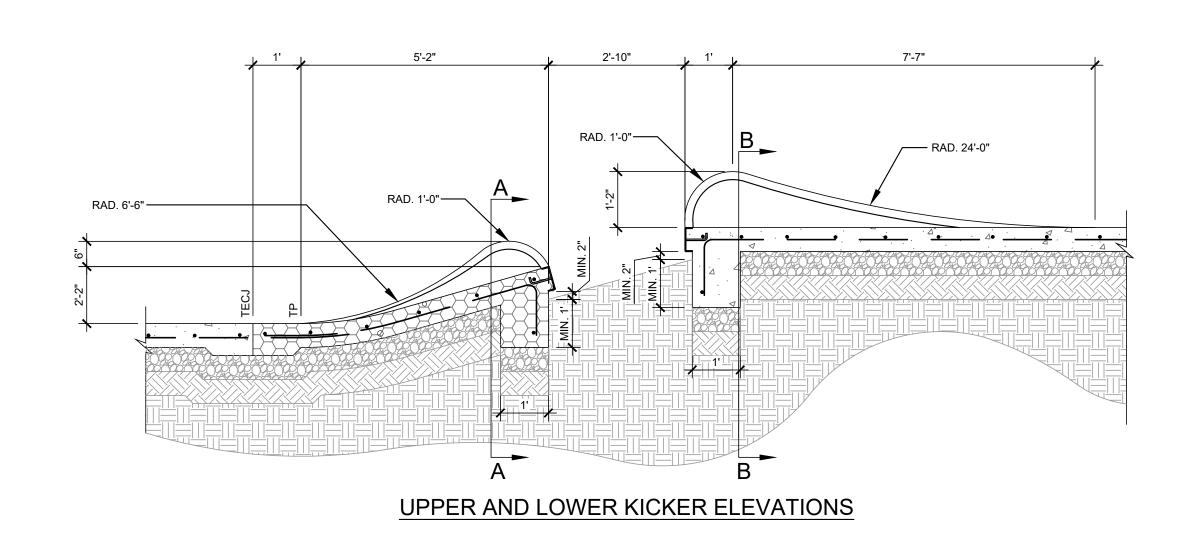
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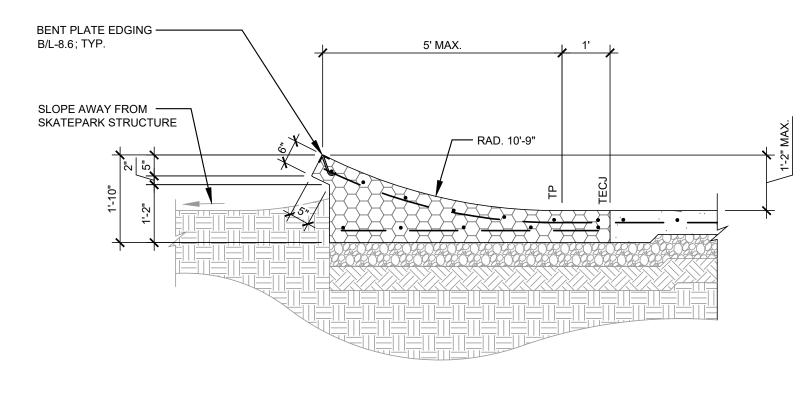
CONSTRUCTION DETAILS SKATEPARK

F 4'-0" QUARTER PIPE SECTION

SCALE:1/2" = 1'-0"

LOWER KICKER SECTION A-A

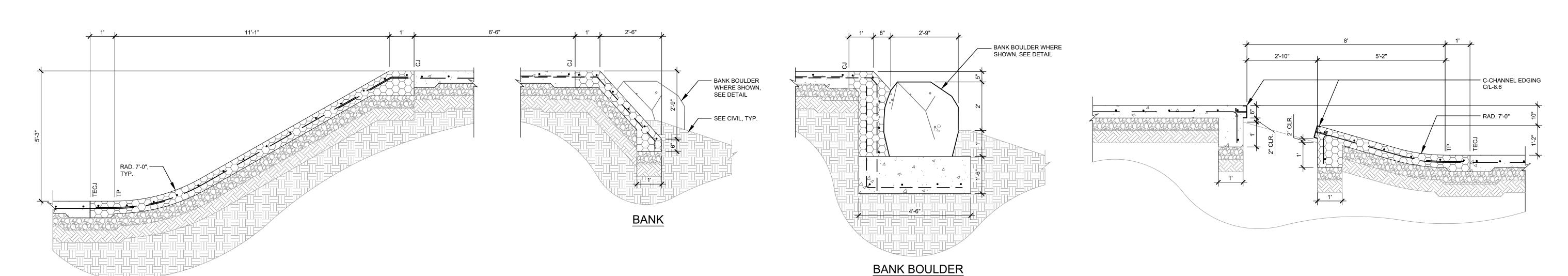




UPPER KICKER SECTION B-B

A EURO KICKER'S

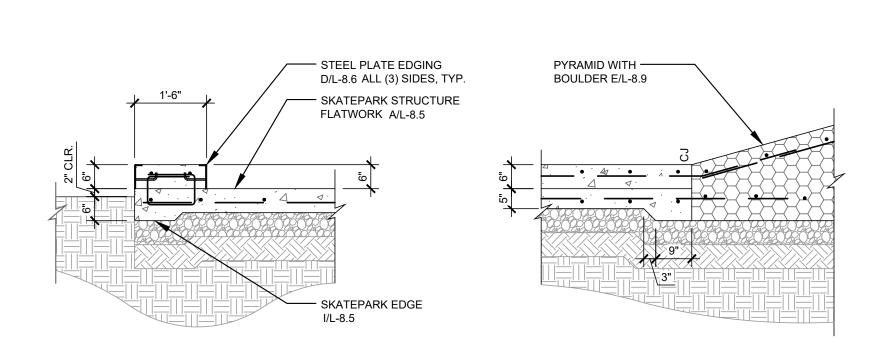
SCALE:1/2" = 1'-0"

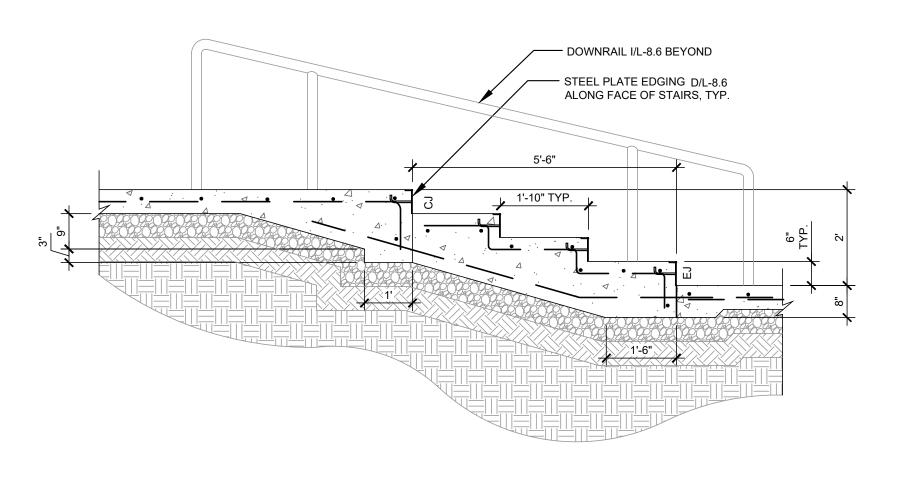


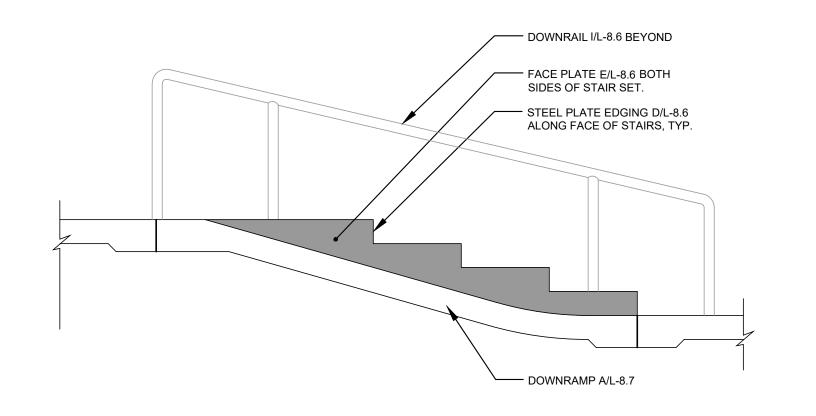
BIG BANK

SCALE:1/2" = 1'-0"









SLAPPY CURB

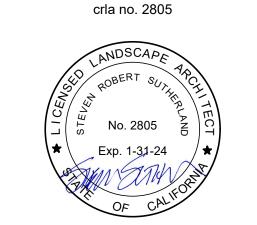
STAIR SET

SCALE:1/2" = 1'-0"

ANDSCAPE ARCHITECTS

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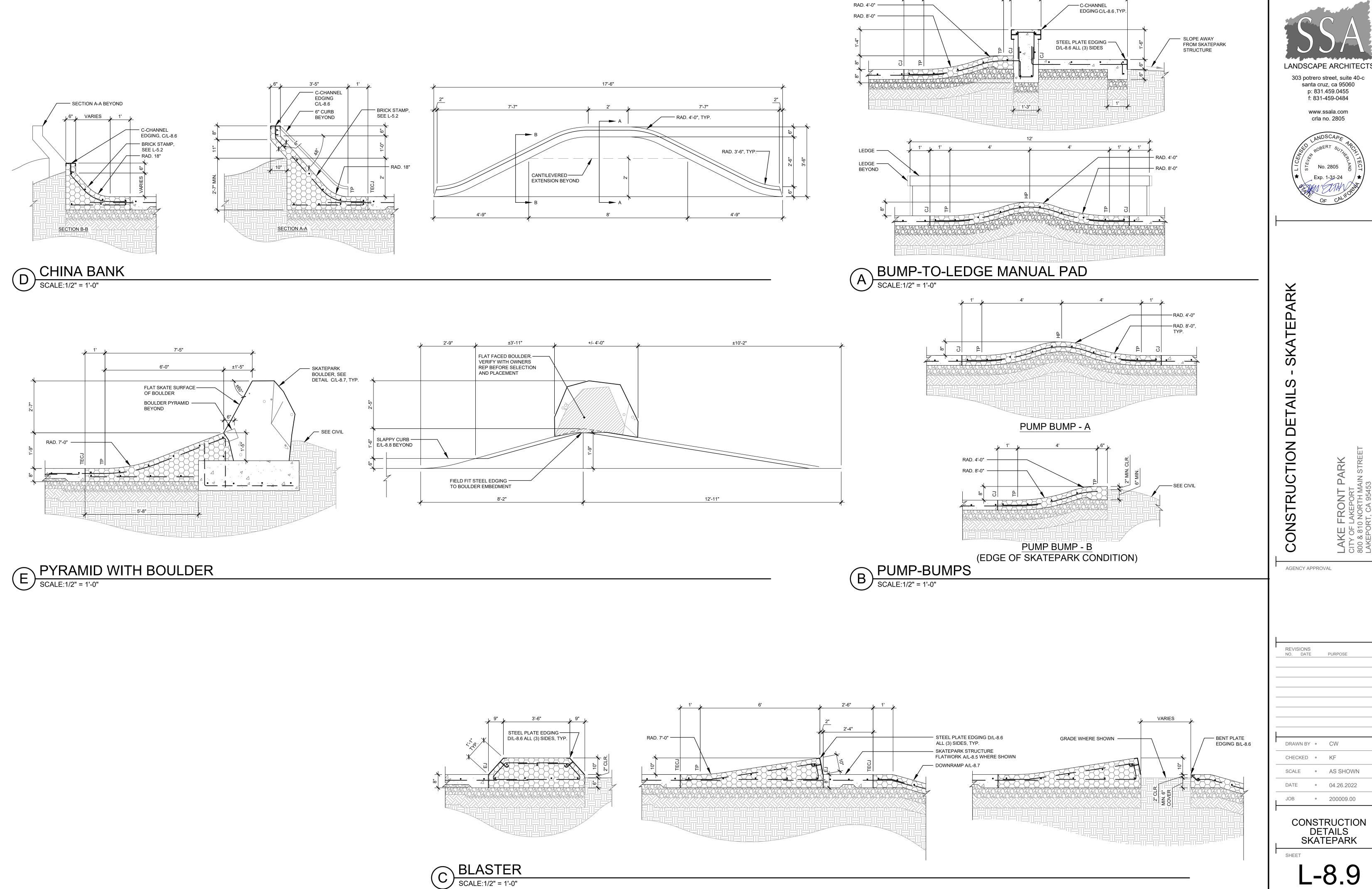
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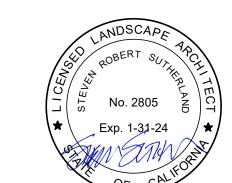
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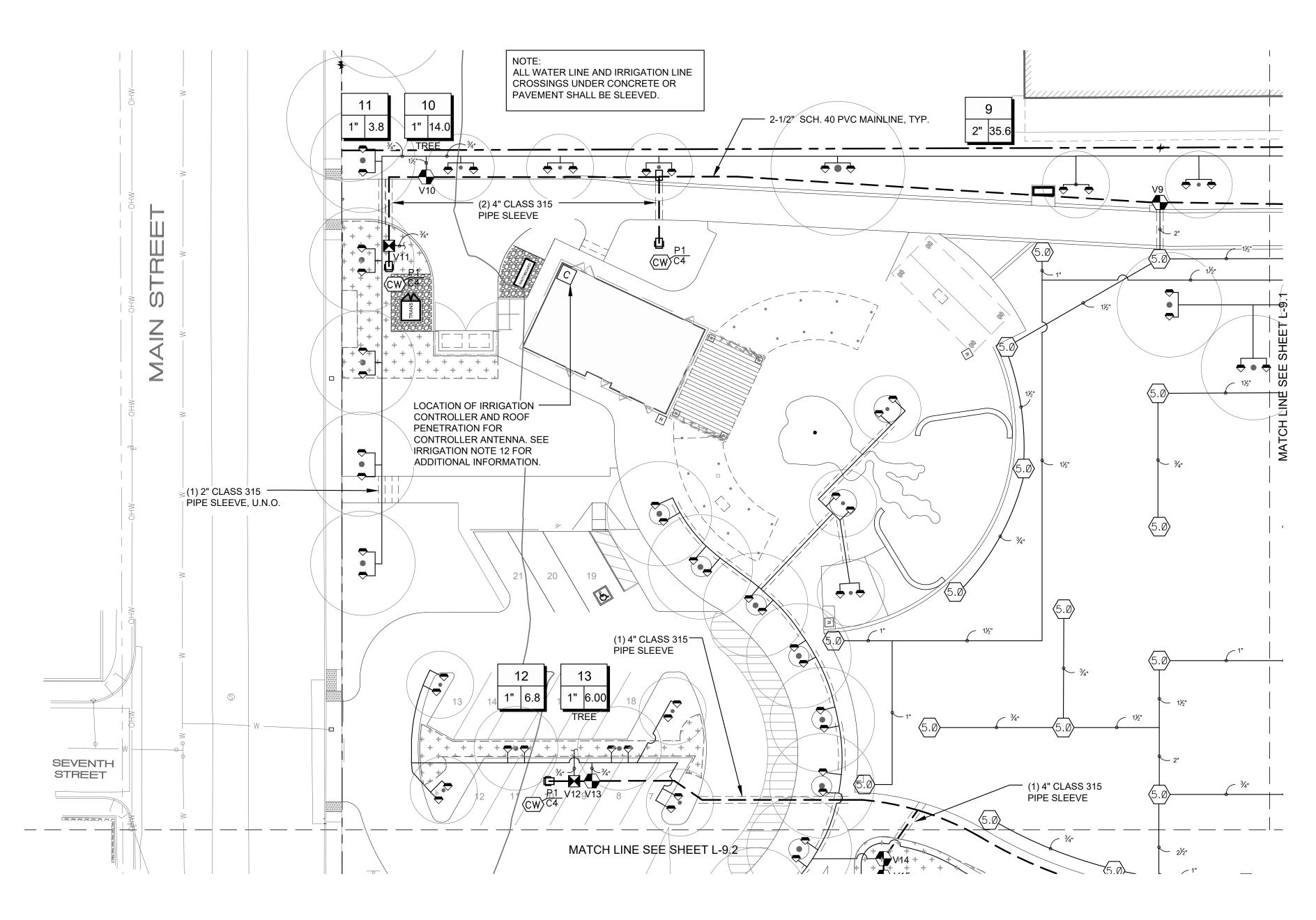
L-8.8



LANDSCAPE ARCHITECTS



L-8.9



IRRIGATION NOTES

- 1. THIS SYSTEM IS DESIGNED TO OPERATE AT A MAXIMUM FLOW OF 50 GALLONS PER MINUTE (G.P.M.) AND A MIN. OF 65 P.S.I. STATIC AT THE POINT OF CONNECTION (DOWNSTREAM OF BACKFLOW PREVENTER). THE CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO BEGINNING WORK AND CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE WHILE RE-DIRECTING APPLICABLE WORK TO AVOID DELAY.
- 2. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL SUPPLY, TELEPHONE CONNECTION, GROUNDING, SLEEVING AND STUBOUT WORK REQUIRED FOR SYSTEM WITH THE GENERAL CONTRACTOR AND/OR OWNERS REPRESENTATIVE AS APPLICABLE. CONTRACTOR RESPONSIBLE TO SUPPLY ALL SLEEVING NECESSARY TO ACCESS INDIVIDUAL PLANTER BEDS. NOT ALL REQUIRED SLEEVING MAY BE SHOWN ON PLAN.
- 3. IRRIGATION SYSTEM DESIGN SHOWN MAY BE PARTIALLY DIAGRAMMATIC. WHERE EQUIPMENT IS SHOWN OUTSIDE PLANTING AREAS OR LIMIT OF WORK, INTENT IS FOR EQUIPMENT TO BE INSTALLED IN PLANTING AREAS. CONTRACTOR SHALL INDICATE PRECISE LOCATIONS OF ALL WORK INSTALLED DIFFERENTLY THAN AS SHOWN IN THE CONTRACT DOCUMENTS ON THE RECORD DRAWINGS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 4. THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO IRRIGATION SYSTEM IN FIELD AS NECESSARY. VALVES SHALL BE ADJUSTED TO PROVIDE SPECIFIED PRESSURE AT THE HEAD.
- 5. THE CONTRACTOR SHALL PROGRAM CONTROLLER TO INSURE PROPER IRRIGATION BASED ON PLANT TYPE, EXPOSURE AND SEASON. CONTRACTOR SHALL NOT START PLANTING UNTIL IRRIGATION SYSTEM IS FULLY OPERATIONAL FROM THE CONTROLLER AUTOMATICALLY. CONTRACTOR SHALL HAND-WATER AS MAY BE NECESSARY DURING PERIODS OF CONTROLLER SHUT-DOWN. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH. IT IS THE RESPONSIBILITY OF THE MAINTENANCE CONTRACTOR AND/OR THE OWNER TO MAKE ADJUSTMENTS TO THE CONTROLLER PROGRAM FOR SEASONAL WEATHER CHANGES AND MICROCLIMATIC VARIATIONS.
- 6. REFER TO IRRIGATION DETAIL SHEETS FOR MORE INFO.
- 8. CONTRACTOR TO FIELD VERIFY FUNCTION OF ALL EXISTING VALVES, MAINLINE AND OTHER COMPONENTS AFFECTED BY CONTRACT WORK. THE EXISTING IRRIGATION SYSTEM OUTSIDE OF LIMIT OF WORK BUT AFFECTED BY CONTRACT WORK SHALL REMAIN FULLY FUNCTIONAL DURING AND AT COMPLETION OF CONSTRUCTION. NOTIFY OWNER OF ANY EXISTING EQUIPMENT THAT IS NON-FUNCTIONING AND REQUIRES REPLACEMENT PRIOR TO CONSTRUCTION.
- 9. CONTRACTOR TO PRESERVE AND PROTECT EXISTING PLANT MATERIAL TO REMAIN. PLANT MATERIAL DAMAGED DURING CONSTRUCTION OPERATION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 10. IRRIGATION SYSTEM EXISTS IN ALL LANDSCAPE AREAS. POINT OF CONNECTION WILL BE AT MAINLINE CLOSEST TO IRRIGATION ZONE. REPLACE MAINLINE AS SHOWN WHERE CONSTRUCTION IMPACTS DICTATE. IF APPROPRIATE, IN TERMS OF FLOW AND WATERING TIMES. CONTRACTOR MAY ADD TO AN EXISTING CIRCUIT.
- 11. WIRES TO BE CONNECTED TO NEW CONTROLLER

DRIP NOTES

- 1. 1/2" DRIP TUBING TO RUN TO INDIVIDUAL PLANTS, NO 1/4" TUBING TO BE USED.
- 2. INSTALL DRIP TUBING SO THAT TOP OF TUBING IS FLUSH WITH FINISH GRADE AND COVER WITH MULCH.
- 3. FIELD VERIFY (E) STATIC PRESSURE IS ADEQUATE TO SUPPLY REQUIRED OPERATING PRESSURE FOR ALL DRIP EMITTERS IN EACH CIRCUIT. PRESSURE REGULATING BASKET FILTERS MAY BE REPLACED WITH NON-PRESSURE REGULATING FILTERS WHERE NECESSARY IN ORDER TO ACHIEVE THE REQUIRED OPERATING PRESSURE.

GENERAL NON-POTABLE WATER SYSTEM NOTES

- 1. IRRIGATION SYSTEM SHALL PREVENT RUN-OFF, EXCESSIVE PONDING, OVERSPRAY OR WIND DRIFT AREAS WHERE NON-POTABLE WATER IS NOT PERMITTED (SIDEWALKS, PARKING AREAS, EATING AREAS, ETC.)
- 2. DURING STORAGE AND CONSTRUCTION, PROTECT PIPE FROM THE SUNLIGHT TO PREVENT COLOR FADING.
- ALL POTABLE WATER LINES SHALL HAVE AT LEAST ONE FOOT VERTICAL CLEARANCE ABOVE SEWER OR NON-POTABLE LINES AND FOUR FOOT HORIZONTAL CLEARANCE WHENEVER THESE LINES CROSS EACH OTHER.
- 4. WHEN PIPE SLEEVES ARE USED, THE SLEEVE MUST BE IDENTIFIED AS "RECLAIMED WATER" (TAPE NOT PERMITTED ON THE INTERIOR PIPE). HOSE VALVES SHALL BE PLACED IN SUBTERANNEAN BOX "RECLAIMED WATER" IDENTIFICATION TAGS. ABOVE GRADE HOSE BIBS SHALL NOT BE ALLOWED. ALL HOSE BIBS AND VALVES SHALL BE INSTALLED IN PURPLE VALVE BOXES.
- 5. ANY AND ALL CONNECTIONS BETWEEN POTABLE AND NON-POTABLE PIPING SYSTEMS ARE PROHIBITED.

WATER USE CALCULATION

- MAWA = (ETo) (0.62) [(0.45 X LA) + SLA]
 - $= (42.8) (0.62)[(0.45 \times 0) + (70,125)]$
 - = (26.54)(70,125) =1,861,117.5
- ETWU = (ETo) (0.62) [(PF X HA)/IE + SLA]
 - = (42.8) (0.62) [0+ 70,125] = (26.54)(70.125)
 - = (26.54)(70,125) = 1,861,117.5

MAWA = 1,861,117.5 GAL/YEAR ETWU = 1,861,117.5 GAL/YEAR

IRRIGATION SCHEDULE

ILLLI	3A HON	SCHEDULE					
SYMBOL		MANUFACTURER/MODEL/DESCRIPTION	QTY	<u>PSI</u>			DETAIL
	♥ 1402	RAIN BIRD RWS-B-C-P 1402 ROOT WATERING SYSTEM WITH 4.0" DIAMETER X 36.0" LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE. CHECK VALVE AND PURPLE GRATE.1402 0.5 GPM	118	40			G L-10.0
SYMBOL		MANUFACTURER/MODEL/DESCRIPTION	QTY	<u>PSI</u>	<u>GPM</u>	RADIUS	<u>DETAIL</u>
	(5. <i>0</i>)	RAIN BIRD 5006-PC, FC-R-NP TURF ROTOR, 6.0" POP-UP, PLASTIC RISER. ADJUSTABLE AND FULL CIRCLE. STANDARD ANGLE NOZZLE. WITH NON-POTABLE PURPLE COVER. PRESSURE REGULATING.	52	45	5.09	45'	E L-10.0
	25)	RAIN BIRD 5006-R-NP-PC,FC-MPR TURF ROTOR, 6.0" POP-UP, PLASTIC RISER, MATCHED PRECIPITATION ROTOR (MPR NOZZLE). ARC AND RADIUS AS PER SYMBOL. 25 FT=RED,WITH NON-POTABLE PURPLE COVER. PRESSURE REGULATING.	18	45		25'	
SYMBOL		MANUFACTURER/MODEL/DESCRIPTION	QTY				DETAIL
		RAIN BIRD XCZ-100-PRB-R WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. PURPLE CAP DESIGNATES FOR RECLAIMED WATER, NON-POTABLE USE. 1" PESBR VALVE AND 1" PRESSURE REGULATING 40PSI BASKET FILTER. 0.3GPM TO 20GPM.	3				A L-10.1
	6	RAIN BIRD XCZ-150-LCS-R HIGH FLOW CONTROL ZONE KIT, FOR LARGE COMMERCIAL DRIP ZONES.PURPLE CAP DESIGNATES FOR RECLAIMED WATER, NON-POTABLE USE. 1-1/2" PEB GLOBE VALVE WITH SINGLE 1-1/2" PRESSURE REGULATING (40PSI) QUICK-CHECK BASKET FILTERS. FLOW RANGE: 15-62GPM.	1				
 	+ + + + + + + + + + + + + + + + + + + +	AREA TO RECEIVE DRIP EMITTERS RAIN BIRD XB-PC SINGLE OUTLET, PRESSURE COMPENSATING DRIP EMITTERS. FLOW RATES OF 0.5GPH=BLUE, 1.0GPH=BLACK, AND 2.0GPH=RED. COMES WITH A SELF-PIERCING BARB INLET X BARB OUTLET. Emitter Notes: 2.0 GPH emitters (2 assigned to each 5 gal plant) 1.0 GPH emitters (2 assigned to each 1 gal plant)	11,548 S.F.				B L-10.1
SYMBOL		MANUFACTURER/MODEL/DESCRIPTION	QTY				DETAIL
	•	RAIN BIRD EFB-CP 1", 1-1/2", 2" BRASS REMOTE CONTROL VALVE W/ SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.	16				C L-10.0
	MV	RAIN BIRD EFB-CP 2" BRASS MASTER VALVE W/ W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.	1				L-10.0
	С	CALSENSE CS3000 CONTROLLER CS3-24-WM/CS3-GR-KIT/COMM-5YR-2/CS3-SSBP	1				H L-10.0
	(FS)	CREATIVE SENSOR TECHNOLOGY FSI-T20-001 2" (50MM) PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA-LIGHTWEIGHT IMPELLER. 2 WIRE DIGITAL OUTPUT. FLOW RANGE 2.8-170 GPM.	1				L-10.0
40	(CW) CX	WIRE BUNDLE (AS INDICATED FOR FUTURE USE) SPARE CONTROL WIRE BUNDLE FOR FUTURE USE IN JUNCTION BOX. P=PILOT WIRES, C=COMMON WIRES BUNDLED. COIL WIRES IN VALVE BOX, AND RUN CONTINUOUS WIRE BACK TO CONTROLLER. LABEL EACH WIRE WITH A PLASTIC I.D. TAG AT THE WIRE BUNDLE AND AT THE CONTROLLER.	11				
	0	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. INSTALL CAPPED ENDS IN BOX.	10				
	$\langle HB \rangle$	HOSE BIB	5				F L-10.0
	ë. F	POINT OF CONNECTION 3"	1				10.00
		IRRIGATION LATERAL LINE: PVC SCHEDULE 40	-				
		IRRIGATION MAINLINE: PVC SCHEDULE 40	-			-	(L-10.0)
===	=====	PIPE SLEEVE: PVC CLASS 315 SDR 26 INCLUDES SLEEVES FOR FUTURE USE	-				

Valve Callout

Valve Nu

Valve Fig.

North



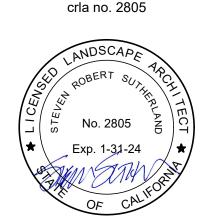
LANDSCAPE ARCHITECTS

303 potrero street, suite 40-c

santa cruz, ca 95060

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IGATION PLAN

AGENCY APPROVAL

REVISIONS NO. DATE PURPOSE

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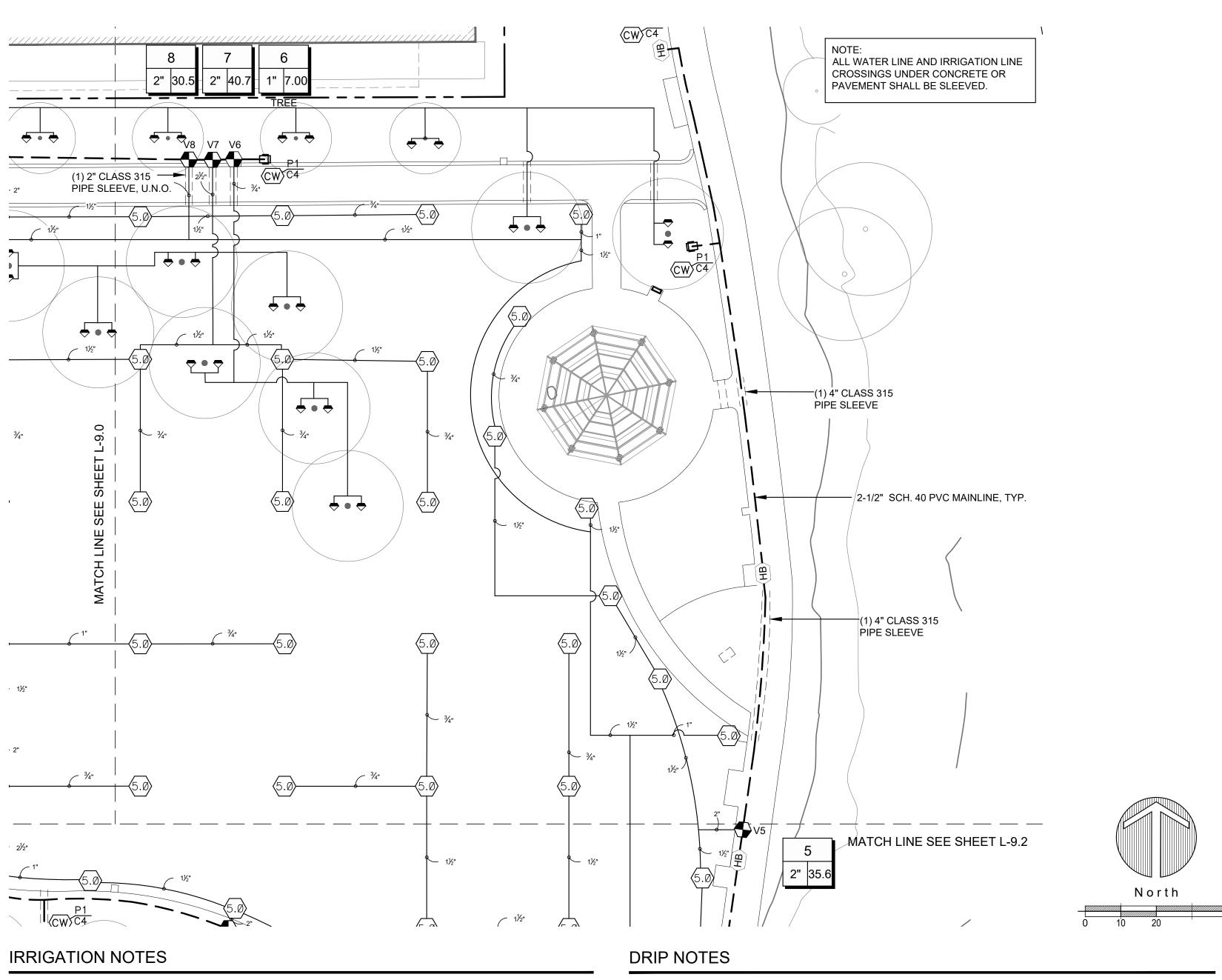
SCALE • 1" = 20'-0"

DATE • 04.26.2022

IRRIGATION PLAN

SHEET

KEYMAP ____



- 1. THIS SYSTEM IS DESIGNED TO OPERATE AT A MAXIMUM FLOW OF 50 GALLONS PER MINUTE (G.P.M.) AND A MIN. OF 65 P.S.I. STATIC AT THE POINT OF CONNECTION (DOWNSTREAM OF BACKFLOW PREVENTER). THE CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO BEGINNING WORK AND CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE WHILE RE-DIRECTING APPLICABLE WORK TO AVOID DELAY.
- 2. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL SUPPLY, TELEPHONE CONNECTION, GROUNDING, SLEEVING AND STUBOUT WORK REQUIRED FOR SYSTEM WITH THE GENERAL CONTRACTOR AND/OR OWNERS REPRESENTATIVE AS APPLICABLE. CONTRACTOR RESPONSIBLE TO SUPPLY ALL SLEEVING NECESSARY TO ACCESS INDIVIDUAL PLANTER BEDS. NOT ALL REQUIRED SLEEVING MAY BE SHOWN ON PLAN.
- 3. IRRIGATION SYSTEM DESIGN SHOWN MAY BE PARTIALLY DIAGRAMMATIC. WHERE EQUIPMENT IS SHOWN OUTSIDE PLANTING AREAS OR LIMIT OF WORK, INTENT IS FOR EQUIPMENT TO BE INSTALLED IN PLANTING AREAS. CONTRACTOR SHALL INDICATE PRECISE LOCATIONS OF ALL WORK INSTALLED DIFFERENTLY THAN AS SHOWN IN THE CONTRACT DOCUMENTS ON THE RECORD DRAWINGS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 4. THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO IRRIGATION SYSTEM IN FIELD AS NECESSARY. VALVES SHALL BE ADJUSTED TO PROVIDE SPECIFIED PRESSURE AT THE HEAD.
- 5. THE CONTRACTOR SHALL PROGRAM CONTROLLER TO INSURE PROPER IRRIGATION BASED ON PLANT TYPE, EXPOSURE AND SEASON. CONTRACTOR SHALL NOT START PLANTING UNTIL IRRIGATION SYSTEM IS FULLY OPERATIONAL FROM THE CONTROLLER AUTOMATICALLY. CONTRACTOR SHALL HAND-WATER AS MAY BE NECESSARY DURING PERIODS OF CONTROLLER SHUT-DOWN. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH. IT IS THE RESPONSIBILITY OF THE MAINTENANCE CONTRACTOR AND/OR THE OWNER TO MAKE ADJUSTMENTS TO THE CONTROLLER PROGRAM FOR SEASONAL WEATHER CHANGES AND MICROCLIMATIC VARIATIONS.
- 6. REFER TO IRRIGATION DETAIL SHEETS FOR MORE INFO.
- 8. CONTRACTOR TO FIELD VERIFY FUNCTION OF ALL EXISTING VALVES, MAINLINE AND OTHER COMPONENTS AFFECTED BY CONTRACT WORK. THE EXISTING IRRIGATION SYSTEM OUTSIDE OF LIMIT OF WORK BUT AFFECTED BY CONTRACT WORK SHALL REMAIN FULLY FUNCTIONAL DURING AND AT COMPLETION OF CONSTRUCTION. NOTIFY OWNER OF ANY EXISTING EQUIPMENT THAT IS NON-FUNCTIONING AND REQUIRES REPLACEMENT PRIOR TO CONSTRUCTION.
- 9. CONTRACTOR TO PRESERVE AND PROTECT EXISTING PLANT MATERIAL TO REMAIN. PLANT MATERIAL DAMAGED DURING CONSTRUCTION OPERATION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 10. IRRIGATION SYSTEM EXISTS IN ALL LANDSCAPE AREAS. POINT OF CONNECTION WILL BE AT MAINLINE CLOSEST TO IRRIGATION ZONE. REPLACE MAINLINE AS SHOWN WHERE CONSTRUCTION IMPACTS DICTATE. IF APPROPRIATE, IN TERMS OF FLOW AND WATERING TIMES . CONTRACTOR MAY ADD TO AN EXISTING CIRCUIT.
- 11. WIRES TO BE CONNECTED TO NEW CONTROLLER

- 1. 1/2" DRIP TUBING TO RUN TO INDIVIDUAL PLANTS, NO 1/4" TUBING TO BE USED.
- 2. INSTALL DRIP TUBING SO THAT TOP OF TUBING IS FLUSH WITH FINISH GRADE AND COVER WITH MULCH.
- 3. FIELD VERIFY (E) STATIC PRESSURE IS ADEQUATE TO SUPPLY REQUIRED OPERATING PRESSURE FOR ALL DRIP EMITTERS IN EACH CIRCUIT. PRESSURE REGULATING BASKET FILTERS MAY BE REPLACED WITH NON-PRESSURE REGULATING FILTERS WHERE NECESSARY IN ORDER TO ACHIEVE THE REQUIRED OPERATING PRESSURE.

GENERAL NON-POTABLE WATER SYSTEM NOTES

- IRRIGATION SYSTEM SHALL PREVENT RUN-OFF, EXCESSIVE PONDING, OVERSPRAY OR WIND DRIFT AREAS WHERE NON-POTABLE WATER IS NOT PERMITTED (SIDEWALKS, PARKING AREAS, EATING AREAS, ETC.)
- 2. DURING STORAGE AND CONSTRUCTION, PROTECT PIPE FROM THE SUNLIGHT TO PREVENT COLOR FADING.
- 3. ALL POTABLE WATER LINES SHALL HAVE AT LEAST ONE FOOT VERTICAL CLEARANCE ABOVE SEWER OR NON-POTABLE LINES AND FOUR FOOT HORIZONTAL CLEARANCE WHENEVER THESE LINES CROSS EACH OTHER.
- 4. WHEN PIPE SLEEVES ARE USED, THE SLEEVE MUST BE IDENTIFIED AS "RECLAIMED WATER" (TAPE NOT PERMITTED ON THE INTERIOR PIPE). HOSE VALVES SHALL BE PLACED IN SUBTERANNEAN BOX "RECLAIMED WATER" IDENTIFICATION TAGS. ABOVE GRADE HOSE BIBS SHALL NOT BE ALLOWED. ALL HOSE BIBS AND VALVES SHALL BE INSTALLED IN PURPLE VALVE BOXES.
- 5. ANY AND ALL CONNECTIONS BETWEEN POTABLE AND NON-POTABLE PIPING SYSTEMS ARE PROHIBITED.

WATER USE CALCULATION

- MAWA = (ETo) (0.62) [(0.45 X LA) + SLA]
 - $= (42.8) (0.62)[(0.45 \times 0) + (70,125)]$
 - = (26.54)(70,125)
 - =1,861,117.5
- ETWU = (ETo) (0.62) [(PF X HA)/IE + SLA]
 - = (42.8) (0.62) [0+70,125]
 - = (26.54)(70,125)= 1,861,117.5
- MAWA = 1,861,117.5 GAL/YEAR

ETWU = 1,861,117.5 GAL/YEAR

IRRIGATION SCHEDULE

IRRI	GATION	SCHEDULE				
SYMBOL		MANUFACTURER/MODEL/DESCRIPTION	QTY	<u>PSI</u>		
	♥ 1402	RAIN BIRD RWS-B-C-P 1402 ROOT WATERING SYSTEM WITH 4.0" DIAMETER X 36.0" LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE. CHECK VALVE AND PURPLE GRATE.1402 0.5 GPM	118	40		
SYMBOL		MANUFACTURER/MODEL/DESCRIPTION	QTY	<u>PSI</u>	<u>GPM</u>	RADIUS
	(5.0)	RAIN BIRD 5006-PC, FC-R-NP TURF ROTOR, 6.0" POP-UP, PLASTIC RISER. ADJUSTABLE AND FULL CIRCLE. STANDARD ANGLE NOZZLE. WITH NON-POTABLE PURPLE COVER. PRESSURE REGULATING.	52	45	5.09	45'
	25)	RAIN BIRD 5006-R-NP-PC,FC-MPR TURF ROTOR, 6.0" POP-UP, PLASTIC RISER, MATCHED PRECIPITATION ROTOR (MPR NOZZLE). ARC AND RADIUS AS PER SYMBOL. 25 FT=RED,WITH NON-POTABLE PURPLE COVER. PRESSURE REGULATING.	18	45		25'
SYMBOL		MANUFACTURER/MODEL/DESCRIPTION	QTY			
	X	RAIN BIRD XCZ-100-PRB-R WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. PURPLE CAP DESIGNATES FOR RECLAIMED WATER, NON-POTABLE USE. 1" PESBR VALVE AND 1" PRESSURE REGULATING 40PSI BASKET FILTER. 0.3GPM TO 20GPM.	3			
		RAIN BIRD XCZ-150-LCS-R HIGH FLOW CONTROL ZONE KIT, FOR LARGE COMMERCIAL DRIP ZONES.PURPLE CAP DESIGNATES FOR RECLAIMED WATER, NON-POTABLE USE. 1-1/2" PEB GLOBE VALVE WITH SINGLE 1-1/2" PRESSURE REGULATING (40PSI) QUICK-CHECK BASKET FILTERS. FLOW RANGE: 15-62GPM.	1			
		AREA TO RECEIVE DRIP EMITTERS RAIN BIRD XB-PC SINGLE OUTLET, PRESSURE COMPENSATING DRIP EMITTERS. FLOW RATES OF 0.5GPH=BLUE, 1.0GPH=BLACK, AND 2.0GPH=RED. COMES WITH A SELF-PIERCING BARB INLET X BARB OUTLET. Emitter Notes: 2.0 GPH emitters (2 assigned to each 5 gal plant)	11,548 S.F.			
SVMBOL		1.0 GPH emitters (2 assigned to each 1 gal plant)	OTV			
SYMBOL		MANUFACTURER/MODEL/DESCRIPTION PAIN RIPD FER CR	QTY			
	•	RAIN BIRD EFB-CP 1", 1-1/2", 2" BRASS REMOTE CONTROL VALVE W/ SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.	16			
	MV	RAIN BIRD EFB-CP 2" BRASS MASTER VALVE W/ W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.	1			
	С	CALSENSE CS3000 CONTROLLER CS3-24-WM/CS3-GR-KIT/COMM-5YR-2/CS3-SSBP	1			
	(FS)	CREATIVE SENSOR TECHNOLOGY FSI-T20-001 2" (50MM) PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA-LIGHTWEIGHT IMPELLER. 2 WIRE DIGITAL OUTPUT. FLOW RANGE 2.8-170 GPM.	1			
	⟨CW⟩ ^{CX}	WIRE BUNDLE (AS INDICATED FOR FUTURE USE) SPARE CONTROL WIRE BUNDLE FOR FUTURE USE IN JUNCTION BOX. P=PILOT WIRES, C=COMMON WIRES BUNDLED. COIL WIRES IN VALVE BOX, AND RUN CONTINUOUS WIRE BACK TO CONTROLLER. LABEL EACH WIRE WITH A PLASTIC I.D. TAG AT THE WIRE BUNDLE AND AT THE CONTROLLER.	11			
	۵	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. INSTALL CAPPED ENDS IN BOX.	10			
	$\langle HB \rangle$	HOSE BIB	5			
	P.O.C.	POINT OF CONNECTION 3"	1			
		IRRIGATION LATERAL LINE: PVC SCHEDULE 40	-			
		IRRIGATION MAINLINE: PVC SCHEDULE 40	-			
===	=====	PIPE SLEEVE: PVC CLASS 315 SDR 26 INCLUDES SLEEVES FOR FUTURE USE	-			
		Valve Callout				
	# •	Valve Number				
<u></u>	#" #•-	Valve Flow				
'		Valve Size				
				احا.		



LANDSCAPE ARCHITECTS

DETAIL

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DETAIL

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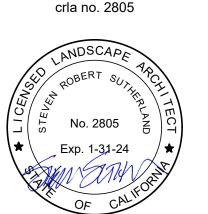
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KEYMAP

303 potrero street, suite 40-c santa cruz, ca 95060

> p: 831.459.0455 f: 831-459-0484

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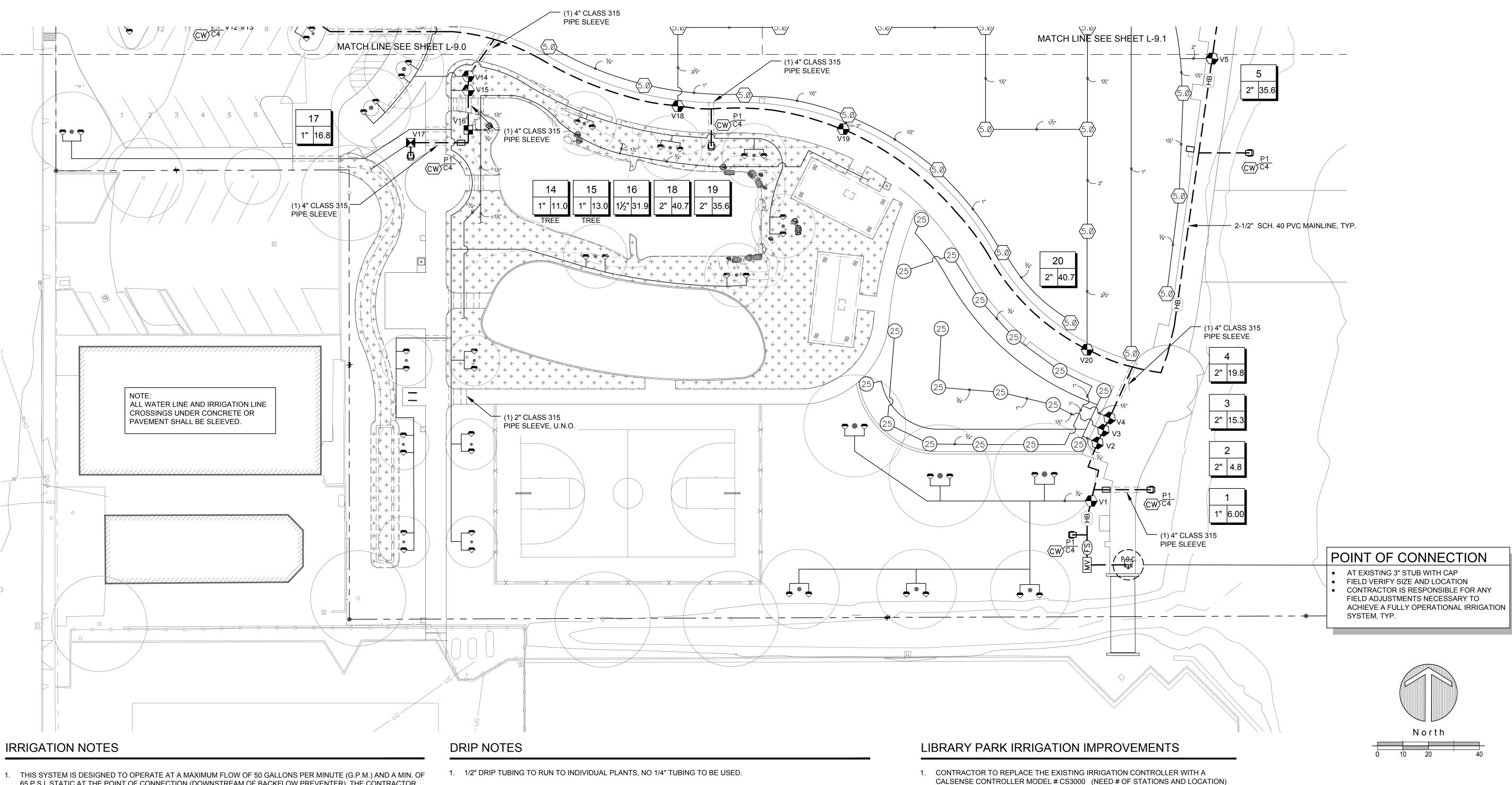
REVISIONS NO. DATE

PURPOSE

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IRRIGATION PLAN

• 200009.00



- 65 P.S.I. STATIC AT THE POINT OF CONNECTION (DOWNSTREAM OF BACKFLOW PREVENTER). THE CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO BEGINNING WORK AND CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE WHILE RE-DIRECTING APPLICABLE WORK TO AVOID DELAY.
- 2. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL SUPPLY, TELEPHONE CONNECTION, GROUNDING, SLEEVING AND STUBOUT WORK REQUIRED FOR SYSTEM WITH THE GENERAL CONTRACTOR AND/OR OWNERS REPRESENTATIVE AS APPLICABLE. CONTRACTOR RESPONSIBLE TO SUPPLY ALL SLEEVING NECESSARY TO ACCESS INDIVIDUAL PLANTER BEDS. NOT ALL REQUIRED SLEEVING MAY BE SHOWN ON PLAN.
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- 11. WIRES TO BE CONNECTED TO NEW CONTROLLER

- 2. INSTALL DRIP TUBING SO THAT TOP OF TUBING IS FLUSH WITH FINISH GRADE AND COVER WITH MULCH.
- 3. FIELD VERIFY (E) STATIC PRESSURE IS ADEQUATE TO SUPPLY REQUIRED OPERATING PRESSURE FOR ALL DRIP EMITTERS IN EACH CIRCUIT. PRESSURE REGULATING BASKET FILTERS MAY BE REPLACED WITH NON-PRESSURE REGULATING FILTERS WHERE NECESSARY IN ORDER TO ACHIEVE THE REQUIRED OPERATING PRESSURE.

GENERAL NON-POTABLE WATER SYSTEM NOTES

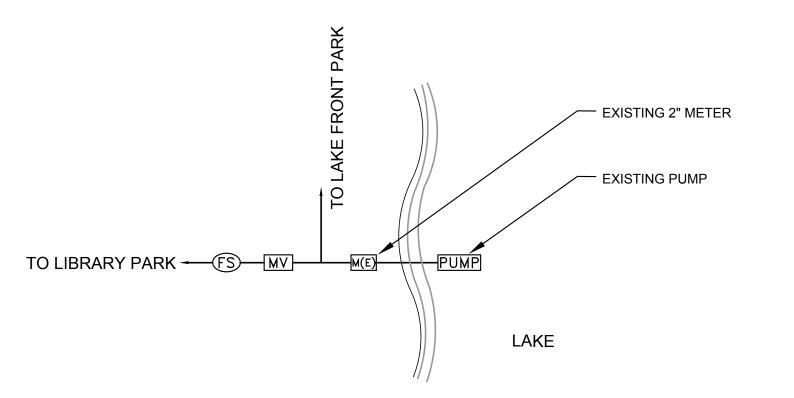
- 1. IRRIGATION SYSTEM SHALL PREVENT RUN-OFF, EXCESSIVE PONDING, OVERSPRAY OR WIND DRIFT AREAS WHERE NON-POTABLE WATER IS NOT PERMITTED (SIDEWALKS, PARKING AREAS, EATING AREAS, ETC.)
- 2. DURING STORAGE AND CONSTRUCTION, PROTECT PIPE FROM THE SUNLIGHT TO PREVENT COLOR FADING.
- 3. ALL POTABLE WATER LINES SHALL HAVE AT LEAST ONE FOOT VERTICAL CLEARANCE ABOVE SEWER OR NON-POTABLE LINES AND FOUR FOOT HORIZONTAL CLEARANCE WHENEVER THESE LINES CROSS EACH OTHER.
- 4. WHEN PIPE SLEEVES ARE USED, THE SLEEVE MUST BE IDENTIFIED AS "RECLAIMED WATER" (TAPE NOT PERMITTED ON THE INTERIOR PIPE). HOSE VALVES SHALL BE PLACED IN SUBTERANNEAN BOX "RECLAIMED WATER" IDENTIFICATION TAGS. ABOVE GRADE HOSE BIBS SHALL NOT BE ALLOWED. ALL HOSE BIBS AND VALVES SHALL BE INSTALLED IN PURPLE VALVE BOXES.
- 5. ANY AND ALL CONNECTIONS BETWEEN POTABLE AND NON-POTABLE PIPING SYSTEMS ARE PROHIBITED.

WATER USE CALCULATION

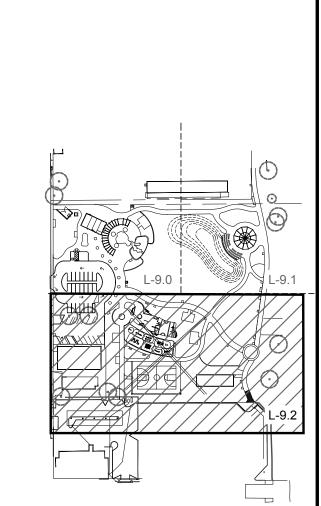
- MAWA = (ETo) (0.62) [(0.45 X LA) + SLA] $= (42.8) (0.62)[(0.45 \times 0) + (70,125)]$
 - = (26.54)(70,125)=1,861,117.5
- ETWU = (ETo) (0.62) [(PF X HA)/IE + SLA]
 - = (42.8) (0.62) [0+70,125]= (26.54)(70,125)
 - = 1,861,117.5

MAWA = 1,861,117.5 GAL/YEAR ETWU = 1,861,117.5 GAL/YEAR

2. CONTRACTOR SHALL INSTALL A MASTER VALVE AND FLOW SENSOR ON MAINLINE LEADING TO LIBRARY PARK DOWNSTREAM FROM TEE-OFF FOR THE LAKE FRONT

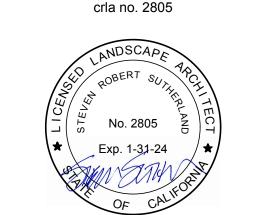


PARK MAINLINE THAT HAS BEEN INSTALLED. THIS WILL ISOLATE THE LIBRARY PARK SYSTEM FROM THE LAKE FRONT PARK SYSTEM.



LANDSCAPE ARCHITECTS 303 potrero street, suite 40-c santa cruz, ca 95060

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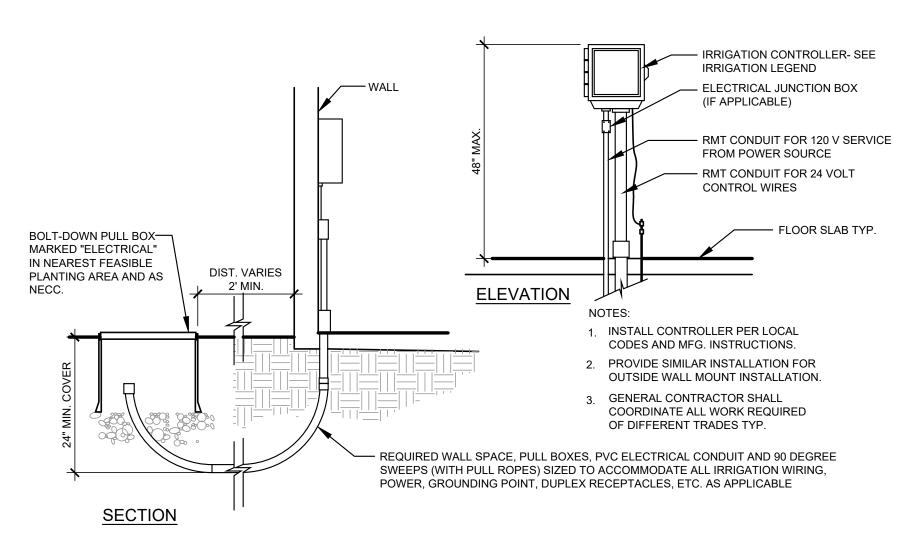
REVISIONS NO. DATE

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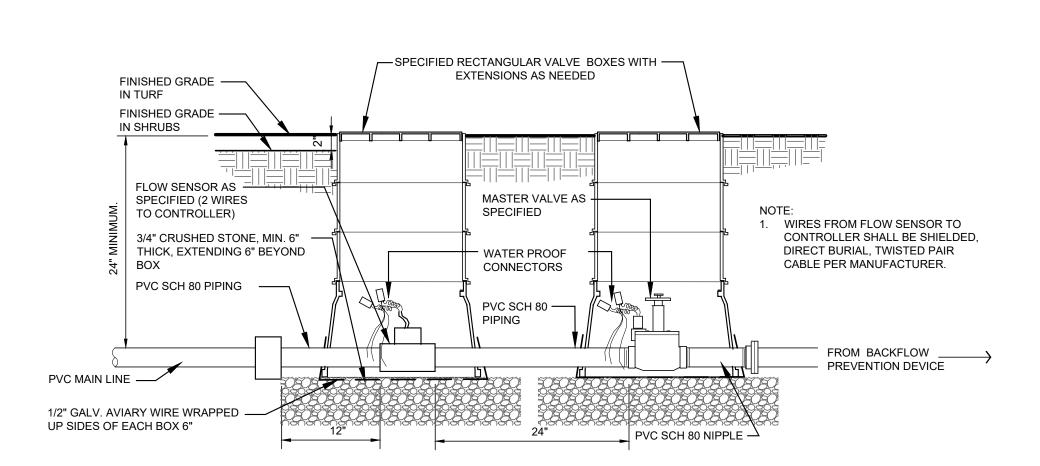
IRRIGATION PLAN

• 200009.00

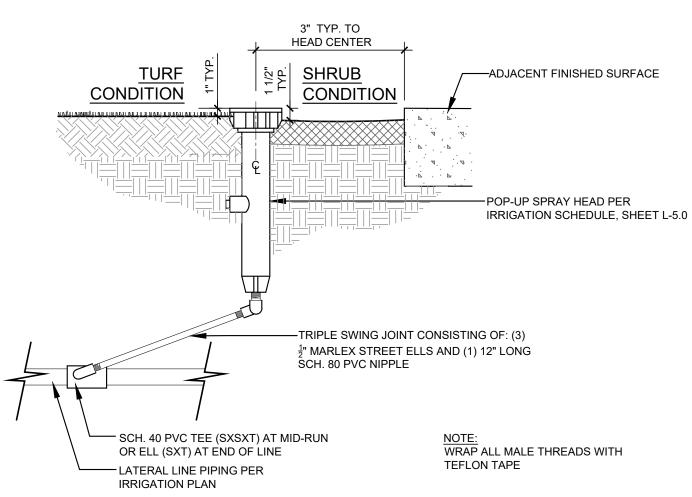
TREE BUBBLER



H WALL MOUNT CONTROLLER
SCALE: N.T.S.

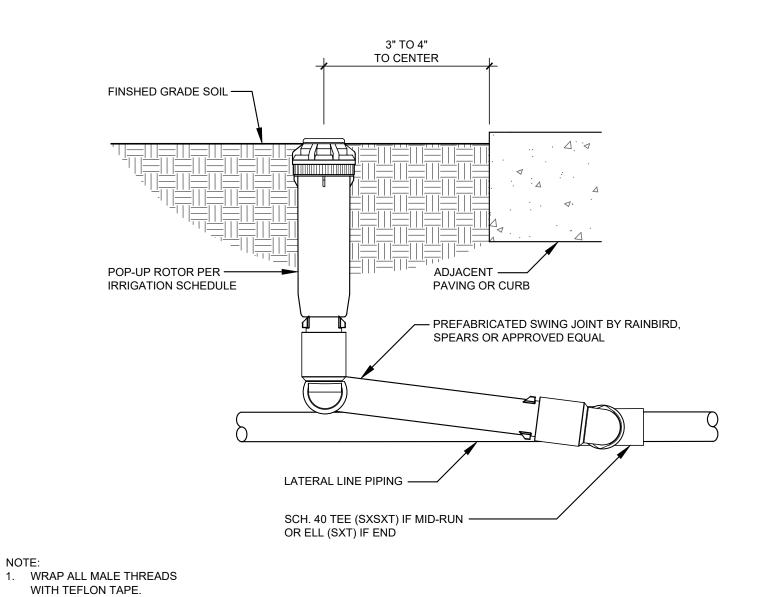


MASTER CONTROL VALVE & FLOW SENSOR ASSEMBLY
SCALE: N.T.S.



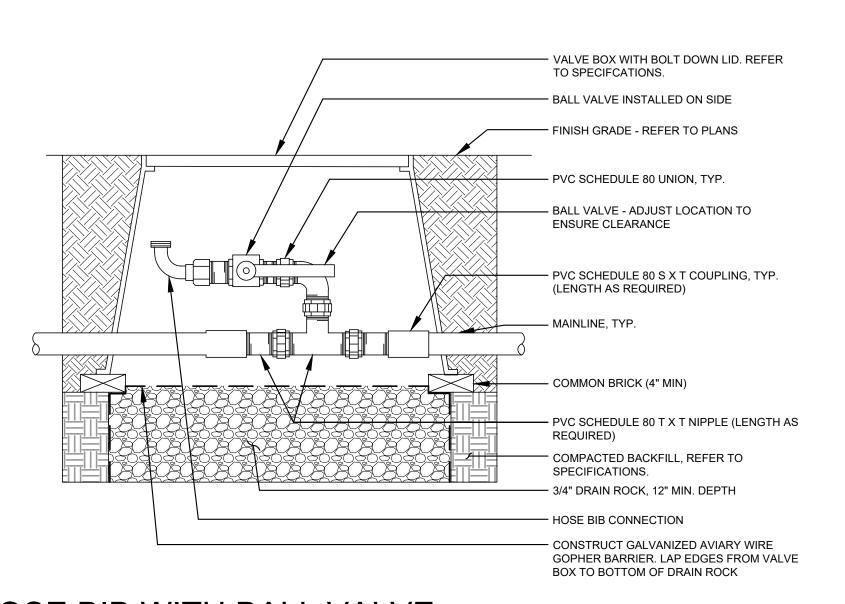
POP-UP SPRAY HEAD

SCALE: N.T.S.

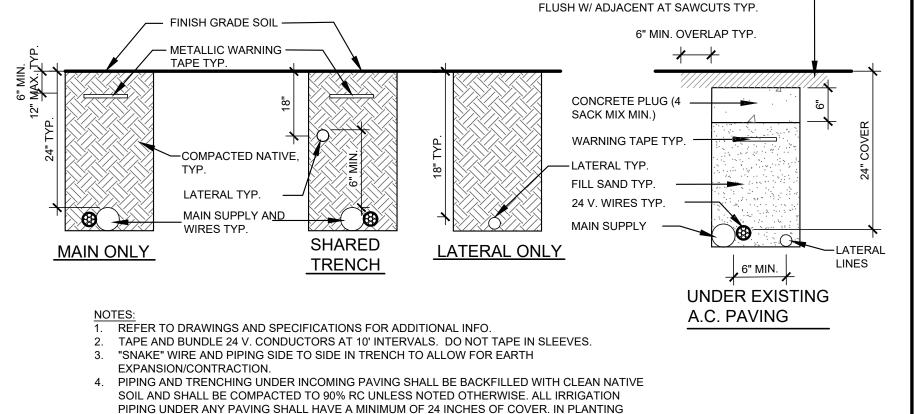


POP-UP ROTOR

SCALE: N.T.S.

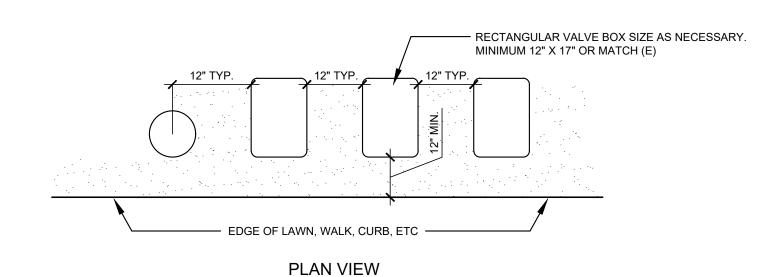


F HOSE BIB WITH BALL VALVE
SCALE: N.T.S.



A.C. PAVING REPLACED IN KIND AND MADE ———

A TRENCHING
SCALE: N.T.S.



NOTES:

1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE OR GATE VALVE TO FACILITATE SERVICING VALVE.

2. SET BOXES 1/2" ABOVE FINISH GRADE IN LAWN AREAS AND 1-1/2" ABOVE FINISH GRADE IN SHRUB AREAS.

AREAS, COMPACT TRENCH TO 85% RC UNLESS NOTED OTHERWISE.

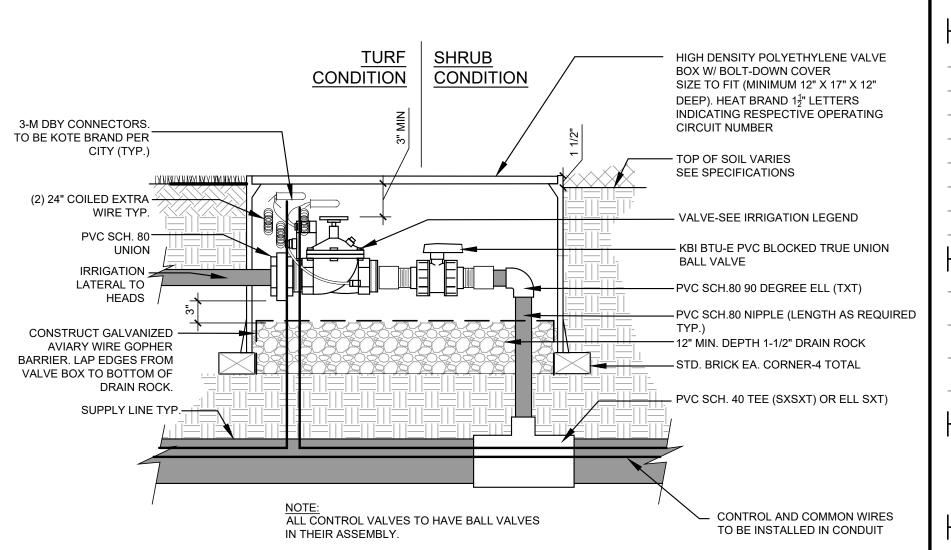
5. WIRES TO BE INSTALLED IN CONDUIT.

SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF WALL.
 AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
 INSTALL EXTENSION BY VALVE BOX MANUFACTURER AS REQUIRED TO COMPLETELY ENCLOSE ASSEMBLY FOR EASY ACCESS.
 VALVE BOXES TO BE CARSON MODEL 1419 BOLT DOWN FOR REMOTE CONTROL VALVES AND CARSON MODEL 910 FOR ROUND

BOXES OR APPROVED EQUAL.

7. LOCATE VALVES IN SHRUB AREAS, NOT LAWN.

B VALVE BOX LAYOUT



C REMOTE CONTROL VALVE SCALE: N.T.S.

LANDSCAPE ARCHITECTS

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Crla no. 2805

ANDSCAPE

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RIGATION DETAILS

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SCALE • AS SHOWN

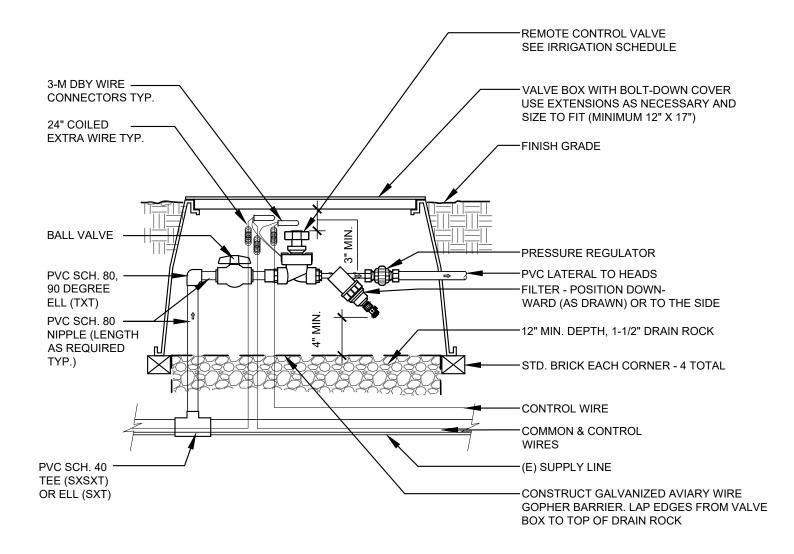
DATE • 04.26.2022

JOB • 200009.00

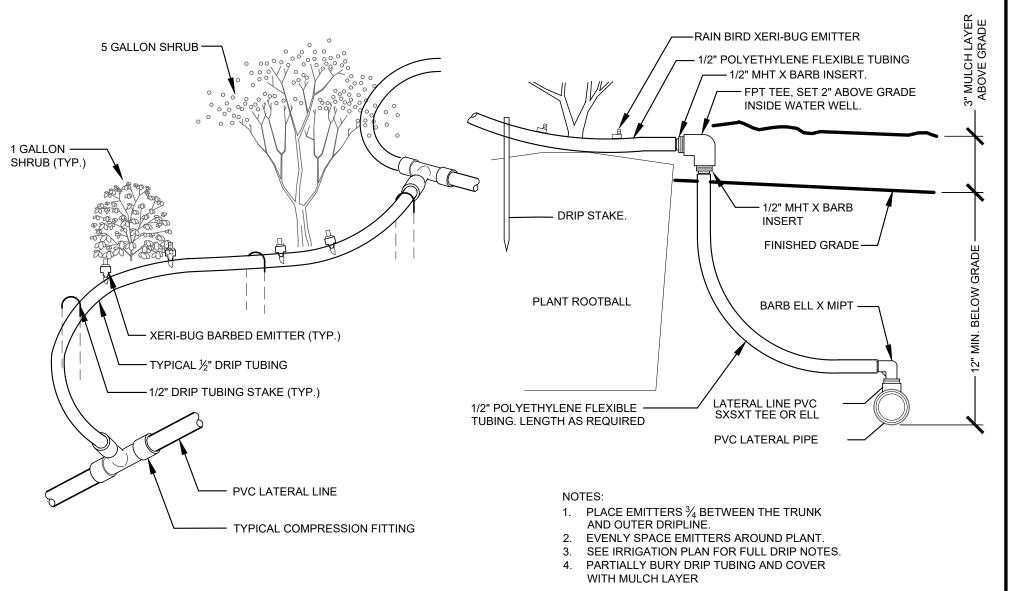
IRRIGATION DETAILS

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A DRIP ZONE REMOTE CONTROL VALVE KIT SCALE: N.T.S.

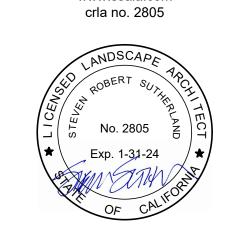


B TYPICAL DRIP TUBING LAYOUT SCALE: N.T.S.



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RIGATION DETAILS

AGENCY APPROVAL

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	NO.	DATE	PURPOSE	
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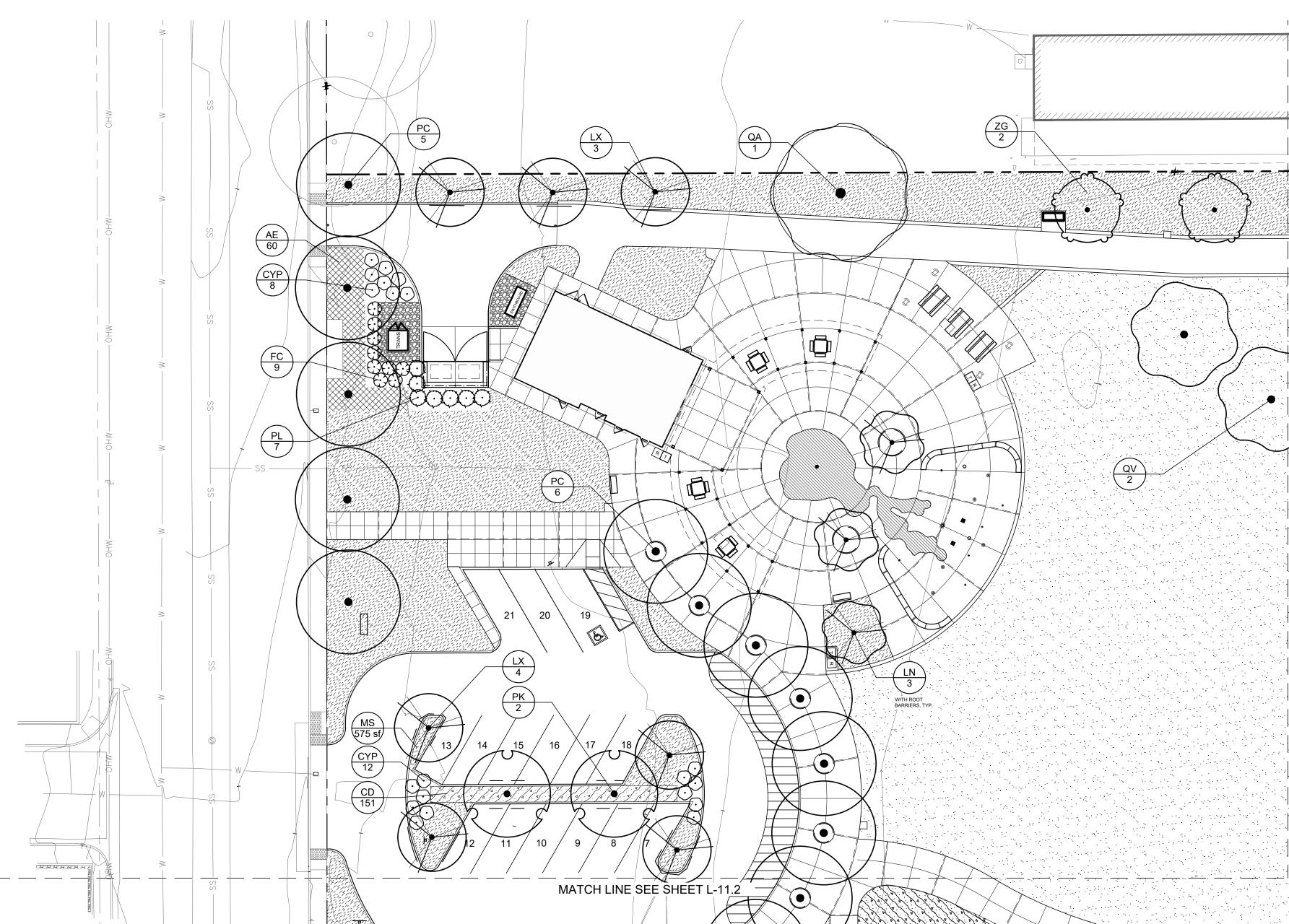
SCALE • AS SHOWN

DATE • 04.26.2022

JOB • 200009.00

IRRIGATION DETAILS

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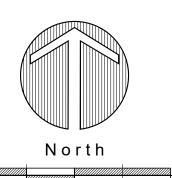


PLANTING NOTES

- 1. CONTRACTOR SHALL SUBMIT SOIL SAMPLES TO THE SOIL LAB FOR AGRINOMIC SOILS TESTING OF SOILS SUITABILITY AND FERTILITY. SAMPLE SHALL BE TAKEN PRIOR TO SOIL PREPARATION, AFTER GRADING OPERATIONS ARE COMPLETED. A MINIMUM OF FOUR SAMPLES SHALL BE EXCAVATED TO A DEPTH OF 18". SOIL PREPARATION SHALL FOLLOW RECOMMENDATIONS FROM THE PLANT LAB. SUBMIT THE SOIL TESTING RESULTS TO THE LANDSCAPE ARCHITECT FOR REVIEW. SHOULD THE SOILS BE UNSUITABLE A CHANGE ORDER MAY BE ISSUED TO AMEND OR REPLACE THE TOPSOIL WITH SUITABLE MATERIAL.
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- 3. PLANT QUANTITIES, IF SHOWN IN LEGEND, ARE FOR AID IN BIDDING ONLY. CONTRACTOR SHALL VERIFY QUANTITIES.
- 4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT MATERIALS THAT MEET AMERICAN ASSOCIATION OF NURSERYMAN, WITH WELL-DEVELOPED ROOT AND BRANCHING. AND IN COMPLIANCE WITH FEDERAL STATE AND LOCAL REGULATIONS PERTAINING TO INSPECTIONS FOR PLANT DISEASES AND INSECT INFESTATION.
- 5. CONTRACTOR SHALL SET OUT PLANT MATERIAL AS PER PLAN AND RECEIVE APPROVAL FROM THE LANDSCAPE ARCHITECT WITH RESPECT TO PLANT HEALTH AND LOCATION PRIOR TO INSTALLATION. CONTRACTOR SHALL GIVE MINIMUM 3 WORKING DAYS NOTICE FOR OBSERVATION AND SHALL HAVE ALL PLANT MATERIAL IN SPECIFIED LOCATIONS FOR REVIEW AT ONE TIME. CONTRACTOR SHALL REPLACE ANY MATERIAL AS DIRECTED BY OWNER'S REPRESENTATIVE.
- 6. ALL LANDSCAPE AREAS TO BE TOP DRESSED WITH 3" THICK LAYER OF BARK MULCH UNLESS NOTED OTHERWISE. MULCH SHALL BE REDWOOD, FIR, CEDAR, OR A COMBINATION OF THESE. CONTRACTOR TO SUBMIT THE MULCH FOR APPROVAL, ALONG WITH A PRODUCT DATA SHEET.
- 7. ALL TREES AND SHRUBS ARE TO BE ALIGNED AND EQUALLY SPACED IN ALL DIRECTIONS,
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- 9. INSTALL JUTE MESH AT SLOPES GREATER THAN 3:1. REFER TO SPECS.

NOTE

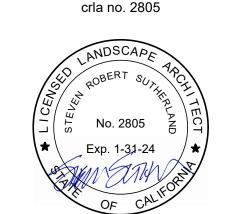
ALL PLANTING AREAS TO RECEIVE LAYER OF BARK MULCH, PER SPECIFICATIONS, EXCEPT FOR TREE WELLS WITH DECOMPOSED GRANITE. ALL AREAS WITH BARK MULCH SHALL RECEIVE LANDSCAPE FABRIC, MIRAFI 500, OR APPROVED EQUAL.



PLANT SCHEDULE

PLANT SCHEDULE						
TREES	CODE	BOTANICAL / COMMON NAME	CONT			
	AR	ALNUS RUBRA / RED ALDER	24"BOX			
	LN	LAGERSTROEMIA X `NATCHEZ` / CRAPE MYRTLE	15 GAL			
	LX	LAURUS X `SARATOGA` / SARATOGA HYBRID LAUREL	24"BOX			
(·)	PK	PISTACIA CHINENSIS `KEITH DAVEY` / KEITH DAVEY CHINESE PISTACHE	24"BOX			
	PC	PLATANUS X ACERIFOLIA `COLUMBIA` / LONDON PLANE TREE	24"BOX			
	QA	QUERCUS ALBA / WHITE OAK	24"BOX			
	QV	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK	24"BOX			
	ZG	ZELKOVA SERRATA `GREEN VASE` / GREEN VASE SAWLEAF ZELKOVA	24"BOX			
<u>SHRUBS</u>	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING		
\odot	AS	ARCTOSTAPHYLOS X 'SUNSET' / SUNSET MANZANITA	5 GAL	36" o.c.		
\odot	CYP	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT' / YANKEE POINT CARMEL CREEPER	5 GAL	48" o.c.		
\odot	FC	FRANGULA CALIFORNICA `MOUND SAN BRUNO` / MOUND SAN BRUNO COFFEEBERRY	5 GAL	48" o.c.		
*	MR	MUHLENBERGIA RIGENS / DEER GRASS	5 GAL	48" o.c.		
\odot	PI	PRUNUS ILICIFOLIA / HOLLY LEAF CHERRY	15 GAL	60" o.c.		
SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	CONT	SPACING		
SA S	НС	HYPERICUM CALYCINUM / CREEPING ST. JOHN`S WORT	1 GAL	36" o.c.		
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING		
	AE	ARCTOSTAPHYLOS X 'EMERALD CARPET' / EMERALD CARPET MANZANITA	1 GAL	36" o.c.		
	CD	CAREX DIVULSA / BERKELEY SEDGE	1 GAL	18" o.c.		
V	HC2	HYDROSEED CALIFORNIA NATIVE MIX EROSION CONTROL	SEED	4" o.c.		
	MS	MULCH SEE PLANTING NOTES FOR SPEC.	MULCH			
	ТВ	TURF SOD BOLERO PLUS / FESCUE BLEND	1 GAL	36" o.c.		
		ROOT BARRIER, TYP REFER TO DETAIL D /L-12.0				





LANTING PLAN

AGENCY APPROVAL

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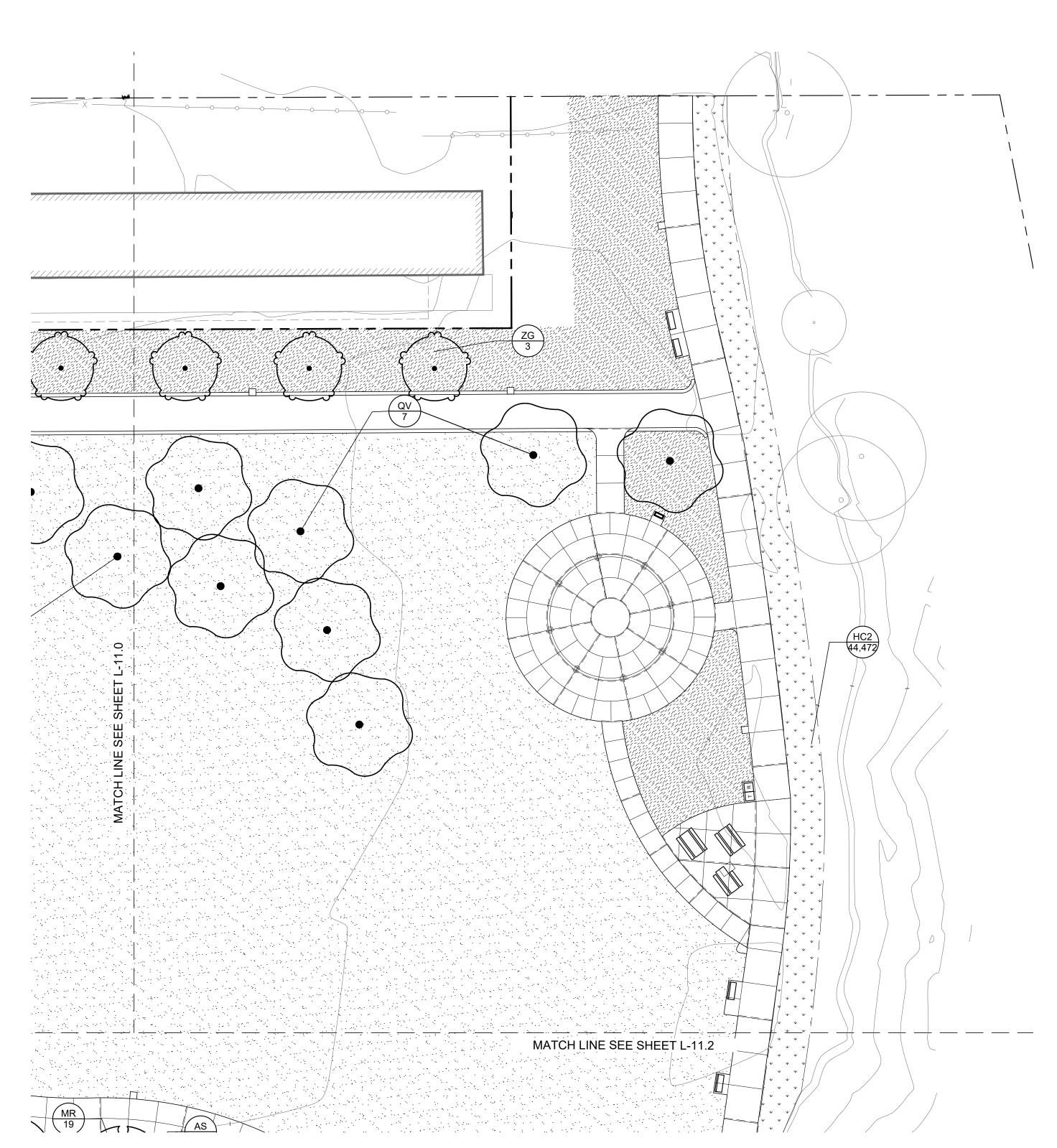
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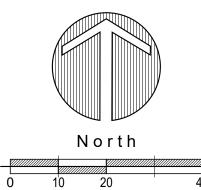
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PLANTING PLAN

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ALL PLANTING AREAS TO RECEIVE LAYER OF BARK

MULCH, PER SPECIFICATIONS, EXCEPT FOR TREE

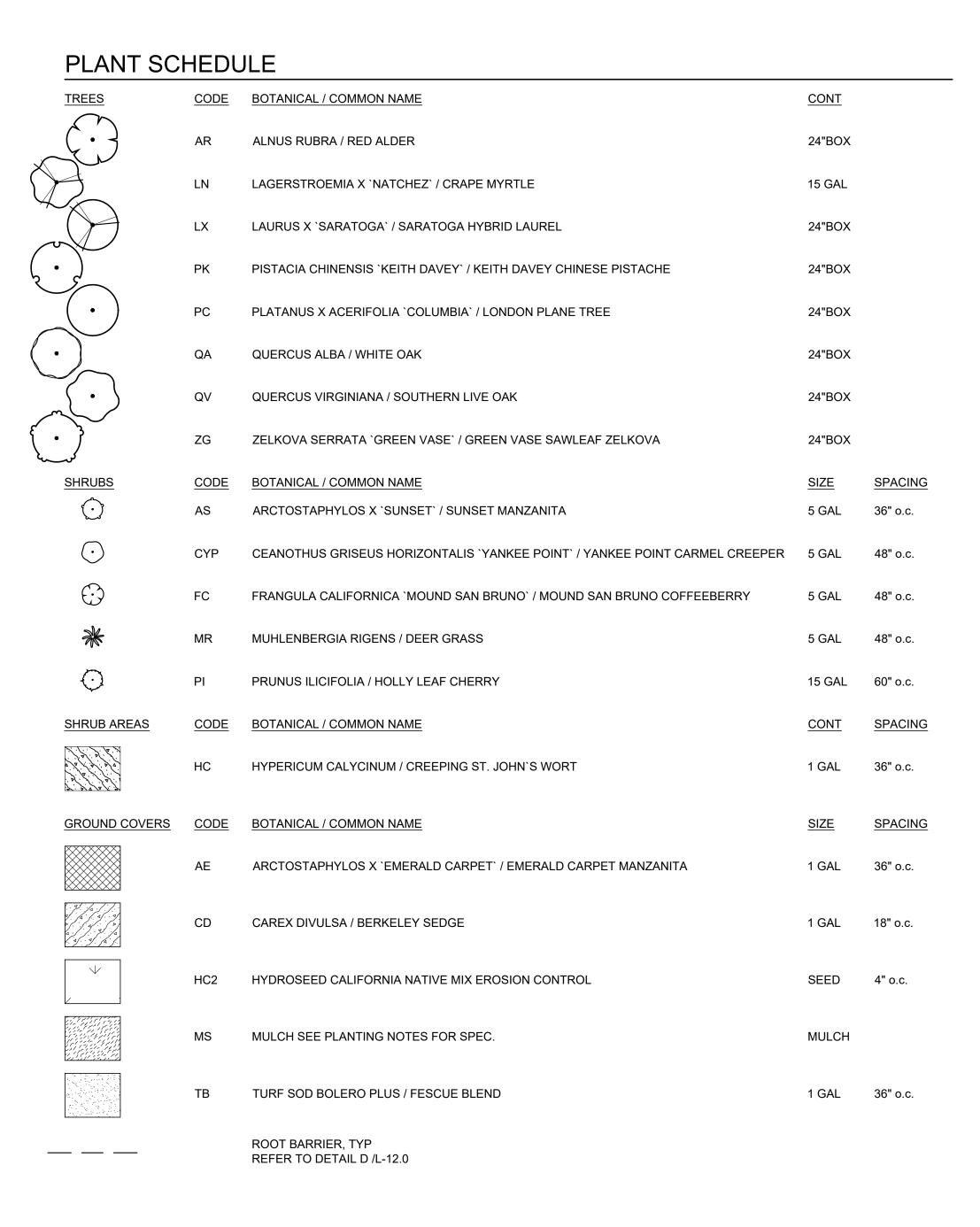
WELLS WITH DECOMPOSED GRANITE. ALL AREAS

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303 potrero street, suite 40-c santa cruz, ca 95060 p: 831.459.0455 f: 831-459-0484



www.ssala.com

ANTING PLAN

AKE FRONT PARK

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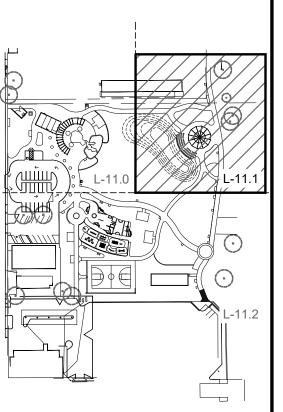
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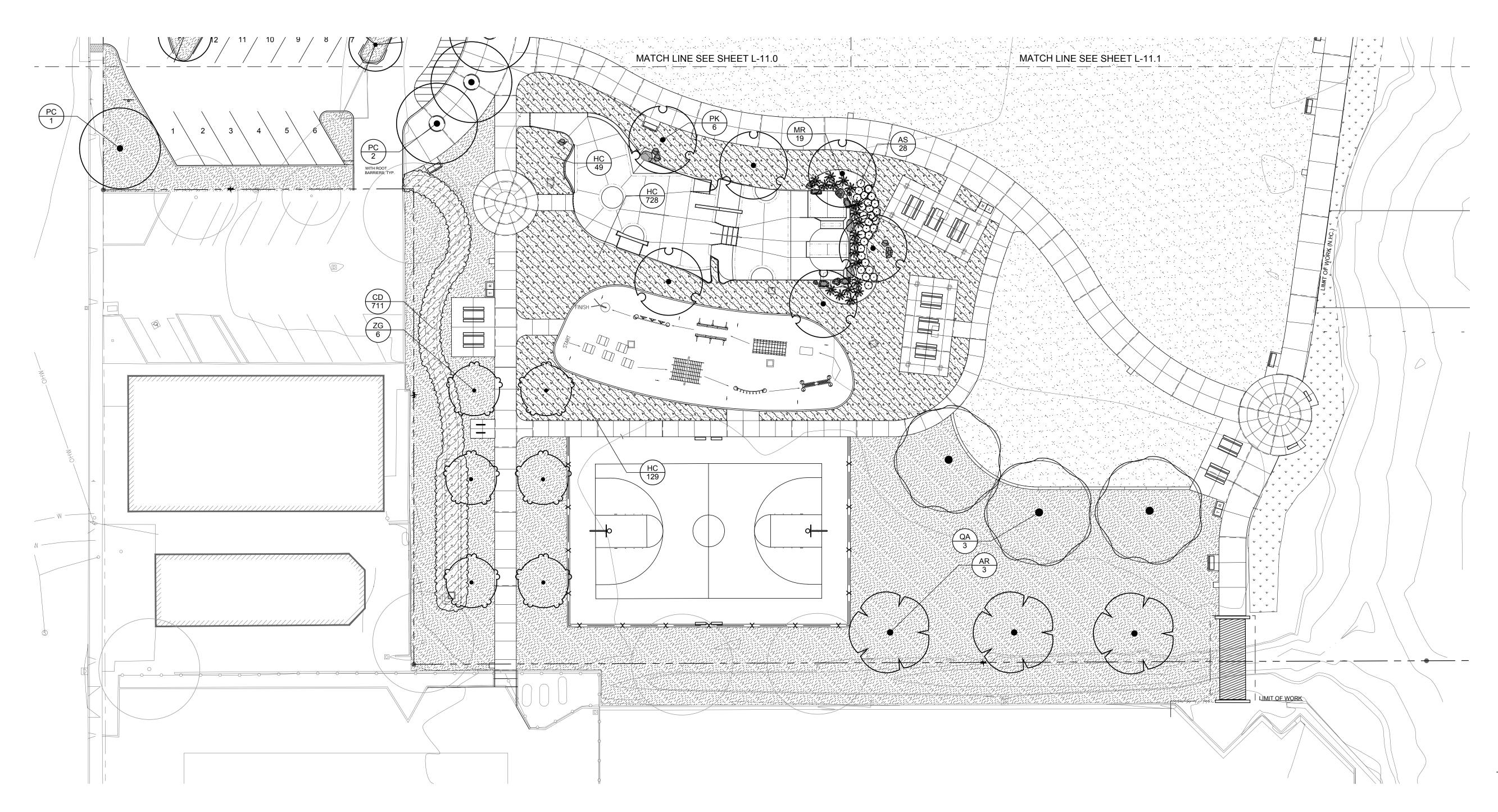
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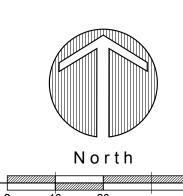
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PLANTING PLAN

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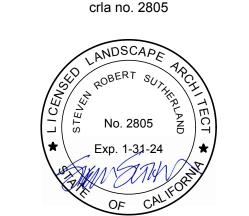
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LANDSCAPE ARCHITECTS
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LANTING PLAN

AGENCY APPROVAL

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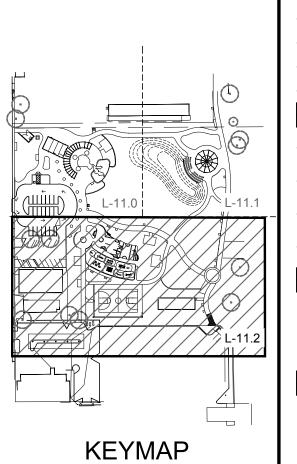
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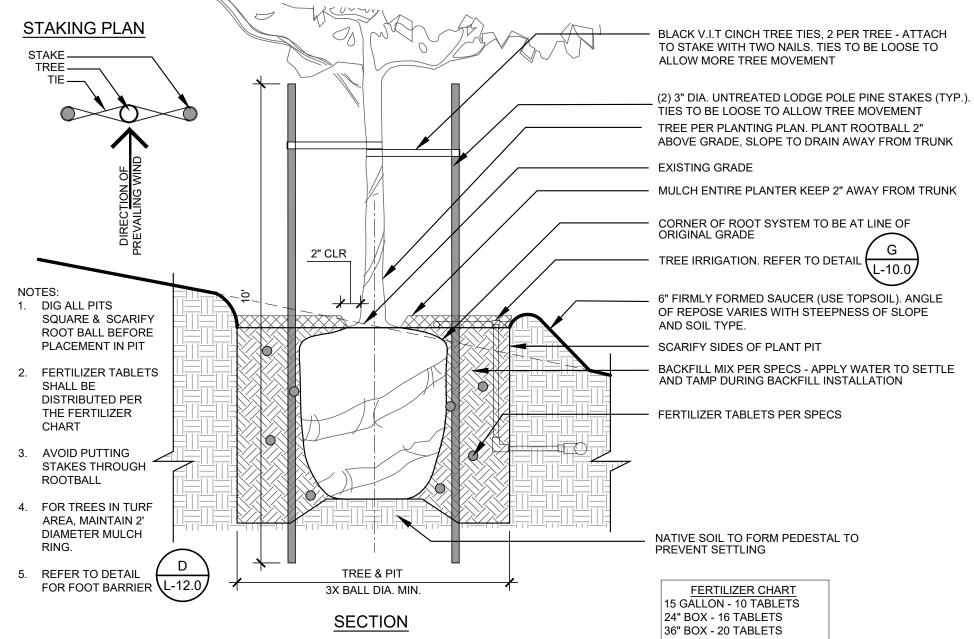
DATE • 04.26.2022

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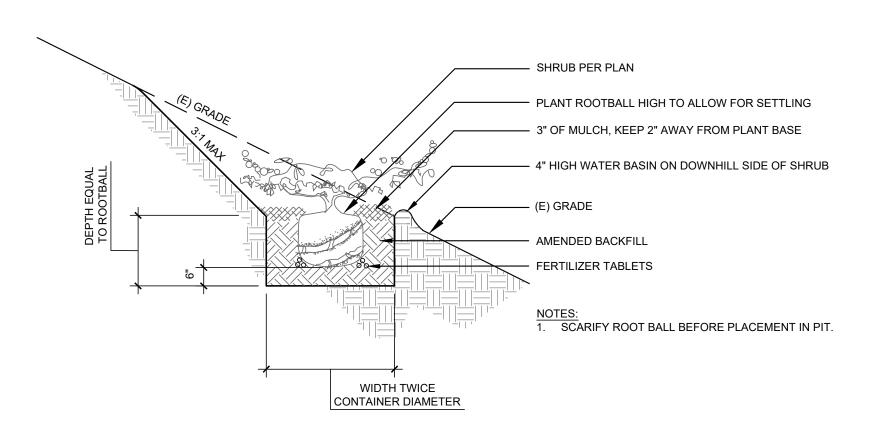
PLANTING PLAN

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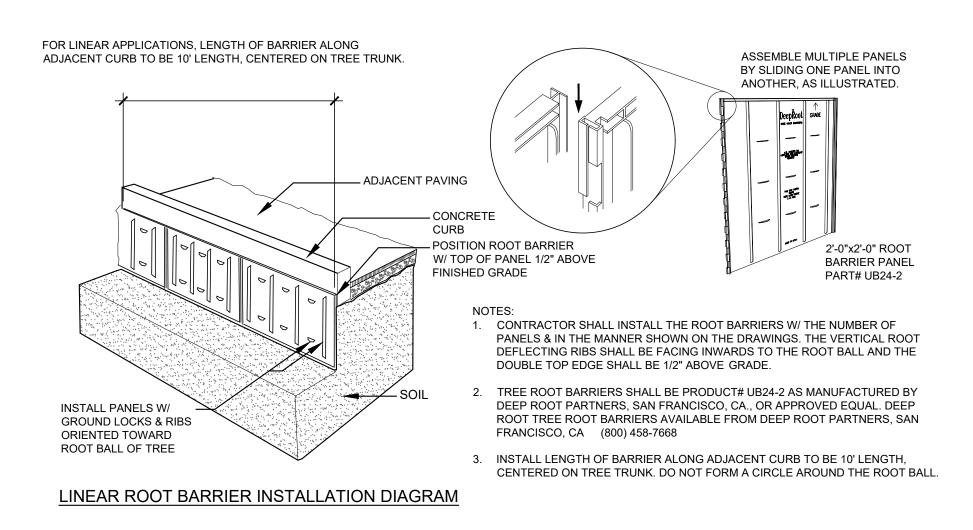


G TREE PLANTING ON SLOPE SCALE: N.T.S.



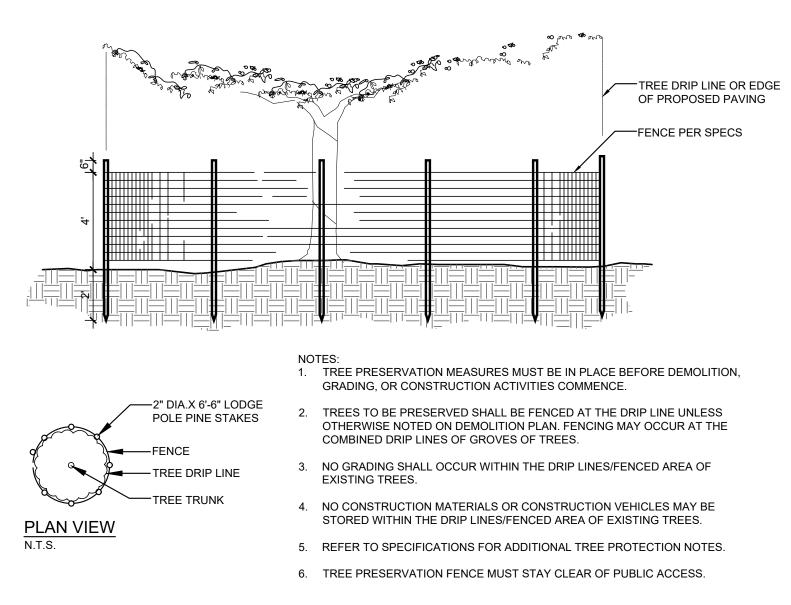
H SHRUB PLANTING ON SLOPE

SCALE:1" = 1'-0"



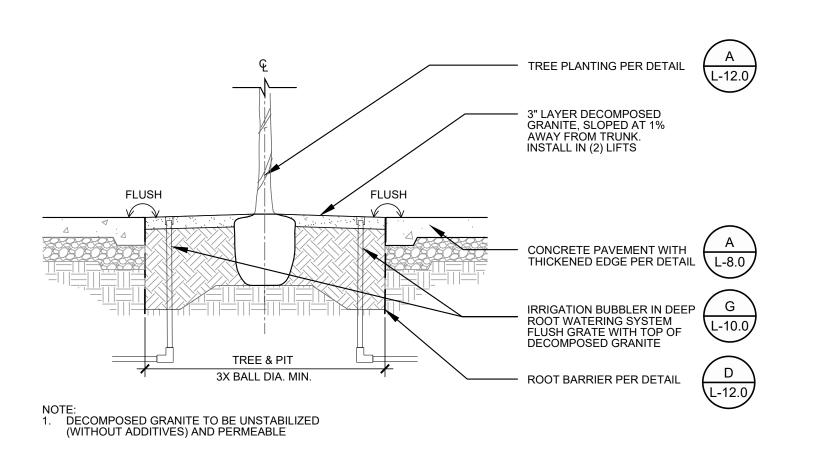
ROOT BARRIER

SCALE:1/2" = 1'-0"



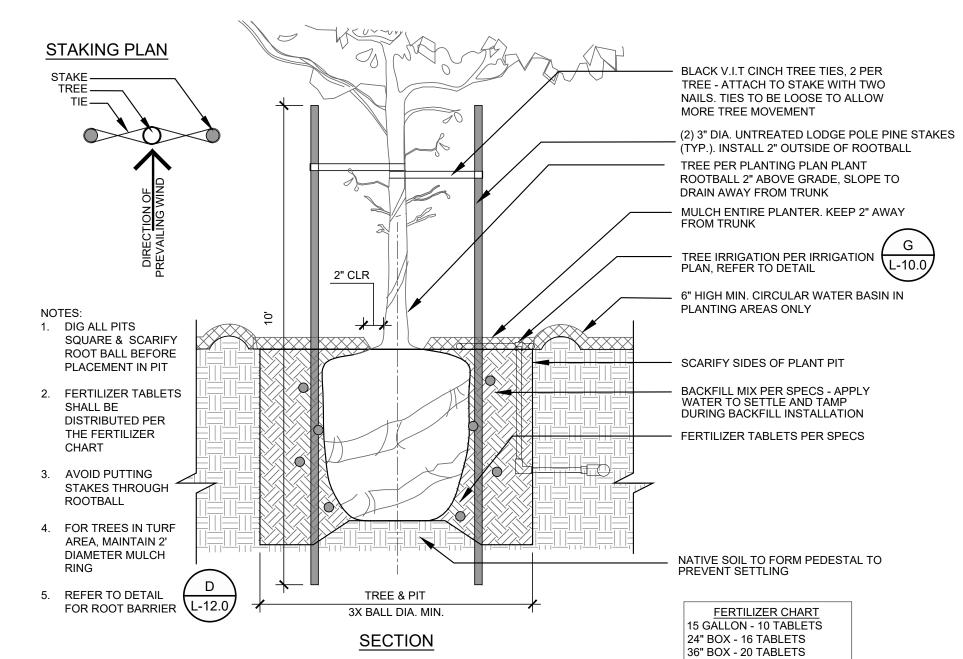
TREE PRESERVATION DETAIL

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

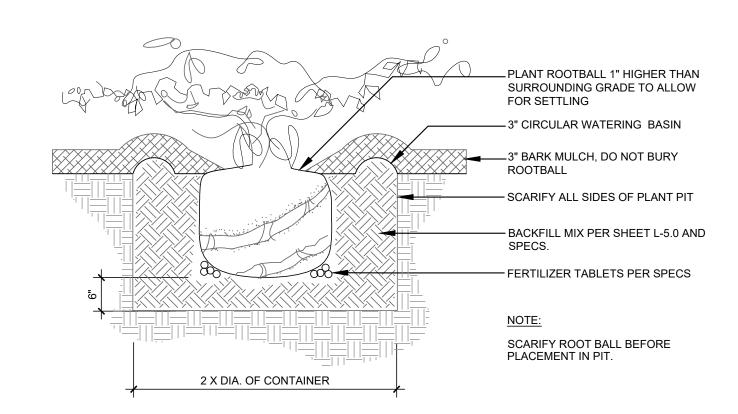


TREE WELL WITH DECOMPOSED GRANITE

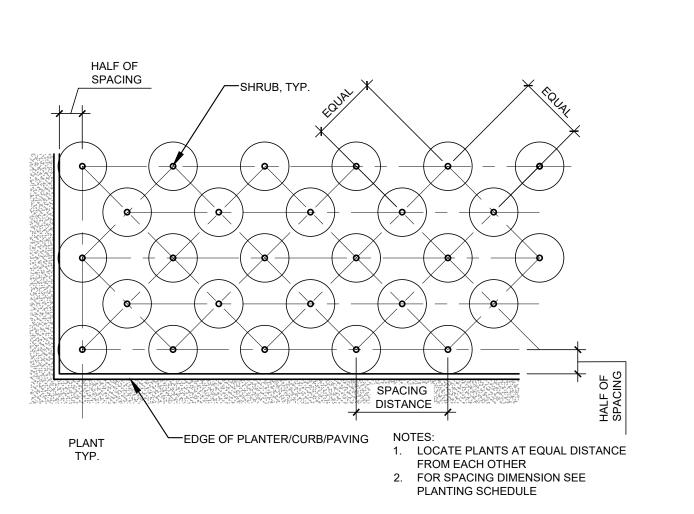
SCALE:1/2" = 1'-0"



A TREE PLANTING
SCALE: N.T.S.

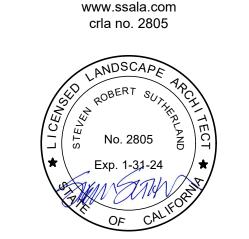


B SHRUB PLANTING
SCALE: N.T.S.



GROUNDCOVER AND SHRUB SPACING
SCALE: N.T.S.





-ANTING DETAILS

AGENCY APPROVAL

REVISIONS
NO. DATE PURPOSE

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PLANTING DETAILS

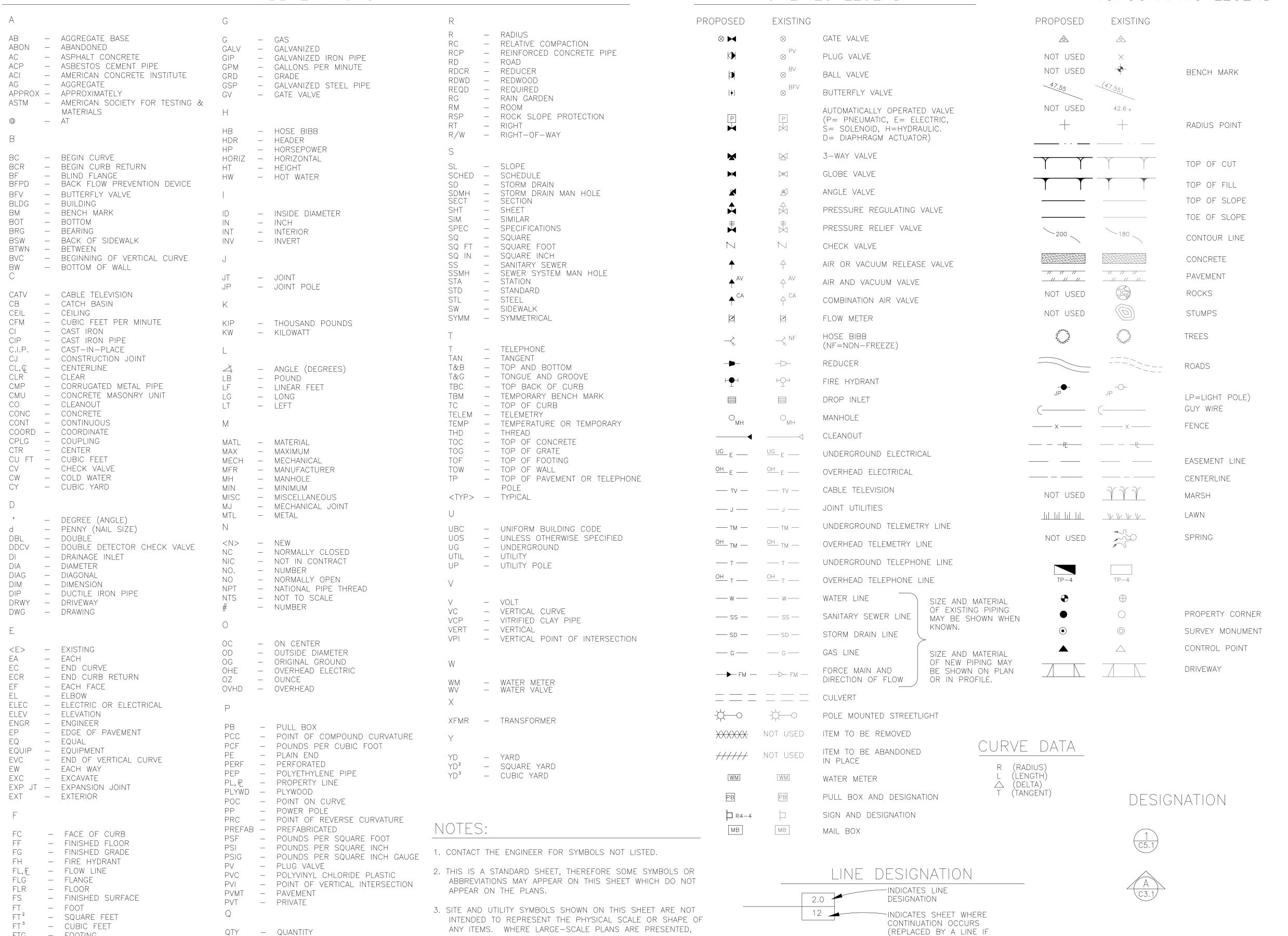
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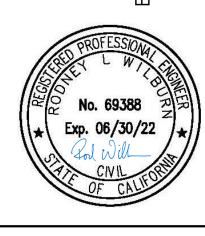
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THE SYMBOLS SHOWN HEREON MAY BE REPLACED BY DETAILS

MORE SUITED TO THE DRAWING SCALE.

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9611.00 **GENERAL NOTES & ABBREVIATIONS**

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GENERAL NOTES:

- 1. ALL WORK SHALL CONFORM TO CURRENT CALIFORNIA BUILDING CODE AND CALTRANS 2010 STANDARD SPECIFICATIONS AND PLANS, AND STANDARD DETAILS INCLUDED HEREIN.
- 2. THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET. BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION. COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING, PROVIDED SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 3. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS PRIOR TO THE COMMENCEMENT OF
- 4. THE CONTRACTOR SHALL PROVIDE A COPY OF THE TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.
- 5. CONTRACTOR SHALL PERFORM TRENCH WORK IN CONFORMANCE WITH THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY REQUIREMENTS AND SHALL CONFORM TO ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH STANDARDS, RULES, REGULATIONS AND ORDERS ESTABLISHED BY THE STATE OF CALIFORNIA AND OTHER APPLICABLE AGENCIES.
- CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, GENERAL CONTRACTOR WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. ALL WORK AND EQUIPMENT SHALL COMPLY WITH THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY REQUIREMENTS. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO HOLD HARMLESS. INDEMNIFY AND DEFEND THE OWNER, THE ENGINEER AND HIS/HER CONSULTANTS.
- 7. THE CONTRACTOR SHALL INDEPENDENTLY REVIEW EXISTING SITE IMPROVEMENTS, UTILITIES, SOILS CONDITIONS, TOPOGRAPHY, VEGETATION, AND CONDITIONS THROUGHOUT THE SITE, AND ASSUME THE RISK OF COMPLETING THE WORK SET OUT ON THESE PLANS, REGARDLESS OF ROCK, WATER TABLE, EXISTING IMPROVEMENTS, OTHER CONDITIONS WHICH MAY BE ENCOUNTERED IN THE COURSE OF THE
- 8. ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THESE PLANS, OR ANY FIELD CONDITIONS DISCOVERED BY THE CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK SHOWN HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
- 9. ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED TESTED AND APPROVED PRIOR TO PAVING.
- 10. THE CONTRACTOR SHALL NOT BEGIN EXCAVATING UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) TWO WORKING DAYS BEFORE DIGGING AT (800) 642-2444 FOR LOCATES.
- 11. GRADING AND CONSTRUCTION CONTRACTORS SHALL STOP WORK AND NOTIFY THE OWNER AND THE ENGINEER IF CULTURAL RESOURCES ARE DISCOVERED DURING CONSTRUCTION.
- 13. THE CONTRACTOR SHALL GIVE THE INSPECTOR 48 HOURS ADVANCE NOTICE OF ANY CONSTRUCTION OR
- 14. SHOULD THE CONTRACTOR OR ANY OF HIS AGENTS OR EMPLOYEES ENCOUNTER OR DISCOVER MATERIALS WHICH APPEAR TO BE HAZARDOUS DURING THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY AND SUSPEND WORK IN THE AFFECTED AREA UNTIL THE ENGINEER HAS INSPECTED THE LOCATION AND MATERIALS IN QUESTION. SHOULD IT BE NECESSARY TO UNDERTAKE REMEDIATION, THE ENGINEER WILL GIVE WRITTEN NOTICE TO SUSPEND WORK IN THE AFFECTED AREA UNTIL THE PROPER COURSE OF ACTION HAS BEEN DETERMINED. OPERATIONS IN THE AFFECTED AREA SHALL BE RESUMED ONLY UPON WRITTEN NOTICE BY THE ENGINEER.
- 15. ALL SITE GRADING WILL BE INSPECTED BY THE ENGINEER. COMPACTION TESTING WILL BE CONDUCTED AFTER SUFFICIENT DENSITIES HAVE BEEN ACHIEVED IN THE CONTRACTOR'S OPINION. THE CONTRACTOR SHALL MAKE ALL REQUESTS FOR MATERIALS TESTING AT LEAST 48 HOURS IN ADVANCE. ANY SOILS THAT FAIL TO MEET THE REQUIRED COMPACTION LEVELS SHALL BE REMOVED, AND RECOMPACTED. ALL COSTS ASSOCIATED WITH ACHIEVING COMPACTION STANDARDS SHALL BE INCLUDED IN THE CONTRACTOR'S ORIGINAL BID.
- 16. NO CHANGES OR MODIFICATIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY THE ENGINEER. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO AND USES OF THESE PLANS UNLESS APPROVED IN WRITING BY THE PREPARER OF THESE PLANS OR THE CITY ENGINEER.
- 17. THE LOCATIONS OF CITY OF LAKEPORT ELECTRICAL FACILITIES, AT&T, CABLE, AND PACIFIC GAS & ELECTRIC UTILITIES SHOWN ON THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL POTHOLE AND DETERMINE THE EXACT HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION AS PART OF THE COST OF THE PERFORMING WORK UNDER THIS CONTRACTOR, AND THE SHALL ADJUST THE DEPTH OF THE NEW UTILITIES TO CLEAR AS DIRECTED BY THE ENGINEER.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE OFF-SITE DISPOSAL OF ALL BITUMINOUS PAVEMENT, CONCRETE, REINFORCEMENT, AND SPOILS NOT NEEDED FOR BACKFILL AS REQUIRED BY THE ENGINEER AND PER THESE SPECIFICATIONS.
- 19. THE CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO ALL DRIVEWAYS AND SIDEWALKS DURING CONSTRUCTION.
- 20. ALL TRENCHES SHALL BE BACKFILLED AND PAVED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND CITY STANDARD PLAN 222.
- 21. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION, UNLESS OTHERWISE NOTED OF THE CALTRANS MANUAL OF TRAFFIC FOR CONSTRUCTION AND MAINTENANCE OF WORK ZONES. ALL SIGNS SHALL BE APPROPRIATELY CONSTRUCTED WITH REFLECTIVE MATERIAL ON A BACKING OF METAL OR FABRIC (NO WOOD OR PLASTIC ALLOWED) AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROVIDE PROPER VISIBILITY.
- 22. ALL PAVEMENT MARKINGS DAMAGED DUE TO CONSTRUCTION SHALL BE REPLACED PER CALTRANS STANDARDS. PATCHING OF DAMAGED MARKINGS WILL NOT BE ALLOWED.
- 23. NO CONSTRUCTION SHALL COMMENCE WITHOUT PRIOR APPROVAL OF THE CITY OF LAKEPORT PUBLIC WORKS. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL ITEMS NOT SPECIFIED FOR DEMOLITION PER PLANS.
- 24. CONSTRUCTION MATERIALS AND EQUIPMENT SHALL BE NEW AND OF A QUALITY EQUAL TO THAT SPECIFIED OR APPROVED. WORK SHALL BE DONE AND COMPLETED IN A THOROUGH AND WORKMANLIKE MANNER.
- 25. CONTRACTOR SHALL CONFINE HOURS OF CONSTRUCTION OPERATION TO 7 A.M. TO 7 P.M. MONDAY THRU FRIDAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 26. ALL MATERIALS DEMOLISHED & REMOVED FOR DISPOSAL SHALL BE DISPOSED OF AT A LEGALLY PERMISSIBLE LOCATION.
- 27. TRENCH SHORING SHALL BE IN ACCORDANCE WITH THE CAL-OSHA CONSTRUCTION SAFETY ORDERS, LATEST REVISION, WHERE REQUIRED.
- 28. THE CONTRACTOR SHALL AGREE TO DEFEND, INDEMNIFY, AND HOLD THE DESIGN PROFESSIONALS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
- 29. THE CONTRACTOR SHALL REPLACE ANY ITEMS DISTURBED OR DAMAGED BY CONSTRUCTION OR RELATED ACTIVITIES INCLUDING, BUT NOT LIMITED TO: PAVING, STABILIZED EARTH, DRIVEWAYS AND UTILITIES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITH EQUAL MATERIAL AT THE CONTRACTOR'S EXPENSE AS DIRECTED BY OWNER'S REPRESENTATIVE.

GENERAL NOTES:

30. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE CONSTRUCTION, ERECTION, DESIGN, DEMOLITION, & REMOVAL OF ANY AND ALL TEMPORARY CONSTRUCTION FACILITIES USED FOR THE CONSTRUCTION OF THE FINAL PRODUCT. CONTRACTOR SHALL NOT HOLD RESPONSIBLE THE NEITHER THE ENGINEER OF RECORD NOR THE CITY FOR ITEMS NOT SPECIFIED ON THIS PLAN. SUBMITTALS REGARDING THE ERECTION & CONSTRUCTION OF TEMPORARY CONSTRUCTIONS SHALL BE CONFIRMED FOR COMPLIANCE WITH FINAL DESIGN & PROJECT SPECIFICATIONS.

PROJECT SPECIFICATIONS:

GENERAL COMPACTION

- 1. RECOMMENDATIONS ARE BASED ON GEOTECHNICAL EXPLORATION TITLED "GEOTECHNICAL EXPLORATION RETAINING WALL DESIGN AND PEDESTRIAN WALKWAY" BY LACO ASSOCIATES CONDUCTED JULY 7, 2020.
- 2. COMPACTION REQUIREMENTS AS SPECIFIED WILL BE BY PERCENT OF THE MAXIMUM DRY DENSITY AND AS DETERMINED PER ASTM D 1557.
- 3. PLACE BACKFILL AND FILL SOIL MATERIAL IN LOOSE LIFTS OF NOT MORE THAN 8 INCHES FOR MATERIAL COMPACTED BY HEAVY EQUIPMENT, AND NOT MORE THAN 6 INCHES FOR
- MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. 4. THE GROUND SURFACE IN AREAS TO RECEIVE FILL SHALL BE PREPARED AS FOLLOWS:
- 4.1. ALL ORGANIC MATERIAL AND TOPSOIL SHALL BE REMOVED. 4.2. ON SLOPES GREATER THAN 1V:10H, HORIZONTAL BENCHES SHALL BE CUT INTO THE SOIL TO PROVIDE A LEVEL BEARING SURFACE FOR THE FILL MATERIAL. THE MINIMUM WIDTH OF THE BENCHES SHALL BE FOUR FEET.
- 5. ALL IMPROVEMENTS SHALL BE GRADED TO DRAIN TO THE APPROVED DRAINAGE COURSE AT A UNIFORM SLOPE OF 2% MINIMUM UNLESS OTHERWISE NOTED.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY LACO ASSOCIATES AT 707-462-0222 IMMEDIATELY, AND PROVIDE WRITTEN DESCRIPTION OF ANY DIFFERENCES IN TOPOGRAPHY FROM THAT SHOWN ON THESE PLANS WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT EARTHWORK
- 7. NO CUT OR FILL SLOPES SHALL EXCEED THE SLOPE RATIO OF 2H:1V, UNLESS OTHERWISE
- 8. TOPSOIL SHALL BE REMOVED FROM ALL CUT AND FILL AREAS AND SHALL NOT BE USED FOR ENGINEERED FILL. TOPSOIL SHALL BE STOCKPILED SEPARATELY AND REPLACED OVER AREAS OF EXPOSED SUB-GRADE TO A MINIMUM DEPTH OF 6 INCHES.
- 9. FILL MATERIALS SHALL COMPLY WITH THE REQUIREMENTS AS NOTED ON THESE PLANS. 10. ALL TRENCH BACKFILL SHALL BE CLSM AND INSTALLED PER CITY OF LAKEPORT STANDARD
- 11. FILL MATERIALS SHALL BE MECHANICALLY COMPACTED. JETTING WILL NOT BE ALLOWED.

12. CARE SHALL BE TAKEN NOT TO CRUSH THE PIPE OR OTHER COMPONENTS WITH COMPACTION EQUIPMENT.

- 1. ALL SITE GRADING, SUBGRADE, AND BACKFILLING WILL BE INSPECTED BY THE ENGINEER. CONTRACTOR TO PROVIDE 48 HOUR NOTICE IN ADVANCE OF REQUIRED INSPECTION. FAILURE TO GIVE ADEQUATE NOTICE MAY RESULT IN TESTING DELAYS WHICH WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 2. THE ENGINEER WILL MAKE ALL COMPACTION TESTS WHEN ADVISED BY THE CONTRACTOR THAT IN THE OPINION OF THE CONTRACTOR, SUFFICIENT DENSITIES HAVE BEEN ACHIEVED. THE CONTRACTOR SHALL FURNISH A BACKHOE AND OPERATOR UPON REQUEST AT NO COST TO OWNER.
- 3. THE CONTRACTOR SHALL MAKE ALL NECESSARY EXCAVATIONS FOR COMPACTION TESTS. COSTS OF EXCAVATION, BACKFILLING, AND COMPACTING IN CONNECTION WITH COMPACTION TESTING SHALL BE BORNE BY THE CONTRACTOR. A FAILING COMPACTION TEST INDICATES THAT THE REQUIRED COMPACTION STANDARDS HAVE NOT BEEN ACHIEVED. ANY FILL MATERIAL OR PORTION OF FILL MATERIAL THAT DOES NOT MEET THE SPECIFIED REQUIREMENTS SHALL BE REMOVED AND RECOMPACTED UNTIL THE REQUIREMENTS ARE SATISFIED AT NO ADDITIONAL COST TO THE OWNER. COSTS ASSOCIATED WITH RETESTING PREVIOUSLY FAILED AREAS SHALL BE PAID BY OWNER AND BACK-CHARGED TO THE CONTRACTOR.
- 4. EXCAVATIONS FOR COMPACTION TESTS SHALL BE BACKFILLED WITH MATERIAL SIMILAR TO THAT EXCAVATED, AND BE COMPACTED TO THE SPECIFIED DENSITY.
- 5. ALL COSTS ASSOCIATED WITH ACHIEVING COMPACTION STANDARDS SHALL BE INCLUDED IN THE BID PRICES PAID FOR THE BID ITEM INVOLVED AND THEREFORE NO ADDITIONAL COMPENSATION SHALL BE MADE.

PAVING

- 1. ALL ASPHALT CONCRETE SHALL BE IN ACCORDANCE WITH 2010 CALTRANS STANDARD
- SPECIFICATIONS SECTION 39. 2. ASPHALT MATERIAL SHALL BE HMA TYPE A WITH 1/2 INCH AGGREGATE GRADATION. ASPHALT BINDER SHALL BE PG64-16.
- 3. ASPHALT CONCRETE SHALL BE INSTALLED AND TESTED ACCORDING TO THE "STANDARD
- PROCESS" SPECIFIED IN SECTION 39. ACCEPTANCE CRITERIA PER CALTRANS TEST 309. 4. WHERE NEW PAVING MEETS EXISTING PAVEMENT, EXISTING PAVEMENT SHALL BE SAWCUT.
- COLD PLAN EDGES ARE ACCEPTABLE IN LIFU OF SAW CUTTING.
- 5. APPLY TACK COAT TO CONTACT SURFACES OF CURBS, GUTTERS AND EXISTING PAVEMENT. TACK COAT SHALL BE TYPE SS-1. COMPACT PAVEMENT BY ROLLING TO A MINIMUM OF 95% OF MAXIMUM DENSITY. DO NOT DISPLACE OR EXTRUDE PAVEMENT FROM POSITION. HAND COMPACT IN AREAS
- INACCESSIBLE TO MECHANICAL ROLLING EQUIPMENT. 8. IN AREAS TO BE PAVED, MINIMUM TOP 6 INCHES OF SUITABLE NATIVE SOIL SHALL BE
- SCARIFIED AND RECOMPACTED TO 90% RELATIVE COMPACTION PER ASTM D1557/D6938. 9. UNLESS OTHERWISE SHOWN ON THESE PLANS, NEW ASPHALT CONCRETE SURFACES AND NEW FINISH GRADE SURFACES SHALL BE INSTALLED SO AS TO MAINTAIN EXISTING SURFACE DRAINAGE PATTERNS.

SITE WORK CONCRETE

- 1. SEE CIVIL SHEETS FOR CONCRETE WITHIN THE PROJECT FOOTPRINT.
- 2. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19A OF THE CBC AND WITH THE SPECIAL PROVISIONS OF ACI 318. MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONCRETE PLACEMENT.
- 3. REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE." 4. SURFACE OF ALL CONCRETE FLATWORK SHALL BE IN ACCORDANCE WITH CBC
- REQUIREMENTS FOR ACCESSIBLE ROUTES.
- ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING DOWELS, BOLTS, ANCHORS, PIPES AND SLEEVES SHALL BE SECURELY POSITIONED IN FORMS BEFORE PLACEMENT OF CONCRETE
- 6. WALKWAYS SHALL MEET THE ACCESSIBILITY REQUIREMENTS PROVIDED IN THE CALIFORNIA BUILDING CODE. LONGITUDINAL SLOPES OF WALKWAYS SHALL NOT EXCEED 5%. CROSS SLOPES OF WALKWAYS SHALL NOT EXCEED 2%. LANDINGS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.

STORM DRAIN

SHALL BE KEPT FREE OF DIRT AND DEBRIS.

- 1. THE CONTRACTOR SHALL INSTALL ALL STORM DRAIN IMPROVEMENTS TO THE LINES AND
- GRADES SHOWN ON THE PLANS 2. ALL MATERIALS SHALL BE FROM NEW STOCK AND DELIVERED IN NEW CONDITIONS.
- 3. ALL SEWER FITTINGS SHALL BE FACTORY MANUFACTURED AND CONFORM TO THE PLASTIC PIPE SPECIFICATION ABOVE.
- 4. PIPE ENDS SHALL BE CAREFULLY CLEANED BEFORE PIPE IS JOINED. INTERIOR OF PIPE
- 5. INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH THE CITY OF LAKEPORT
- 6. THE STORM DRAIN PIPE SHALL BE N-12 DOUBLE WALL CORRUGATED HDPE SMOOTH BORE PIPING WITH GASKETED COUPLING JOINTS.

PROJECT SPECIFICATIONS (CONT):

PAVEMENT MARKINGS

1. THE CONTRACTOR SHALL PLACE PAVEMENT MARKINGS PER THE PLANS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. ALL PAVEMENT MARKINGS SHALL BE IN THERMOPLASTIC.

PIPE PRESSURE TESTING AND PIPE DISINFECTING SPECIFICATIONS:

- 1. THE WATER PIPE SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF AWWA C651-05. THE SYSTEM SHALL BE TESTED FOR A MINIMUM DURATION OF 4 HOURS AT 150 PSI. MAXIMUM LEAKAGE SHALL NOT EXCEED 10 GALLONS PER INCH DIAMETER PER MILE PER 24 HOURS. PIPE AND FITTINGS SHALL BE PRESSURE-TESTED PRIOR TO PLACING CONCRETE BACKFILL.
- 2. THE PIPELINE SHALL BE DISINFECTED IN ACCORDANCE WITH THE FOLLOWING WHERE APPLICABLE:
- 2.1. AFTER ALL OTHER WORK HAS BEEN COMPLETED AND PRIOR TO PLACING THE LINE IN SERVICE, THE CONTRACTOR SHALL COMPLETELY DISINFECT ALL WATER LINES, VALVES, FITTINGS AND RELATED ITEMS, IN ACCORDANCE WITH AWWA C651, STANDARD FOR DISINFECTING WATER MAINS.
- 2.2. CONTRACTOR SHALL FLUSH THE MAIN LINES PRIOR TO DISINFECTION UNLESS THE CALCIUM HYPOCHLORITE TABLET METHOD OF DISINFECTION IS USED. THE FLUSHING VELOCITY SHALL BE NOT LESS THAN 2.5 FEET PER SECOND. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT FLUSHING SITES CAN ADEQUATELY CONTAIN THE QUANTITIES OF WATER FLUSHED FROM THE PIPES WITHOUT DAMAGE TO NEARBY IMPROVEMENTS AND/OR TERRAIN. FLUSHING IS NOT A SUBSTITUTE FOR PREVENTATIVE MEASURES TAKEN BEFORE AND DURING PIPE LAYING TO PREVENT CONTAMINATING MATERIAL FROM ENTERING MAINS.
- 2.3. DISINFECTION MAY BE ACCOMPLISHED BY USE OF CALCIUM HYPOCHLORITE TABLETS ATTACHED TO THE TOP OF PIPES AS THEY ARE LAID BY MEANS OF AN APPROVED FOOD GRADE ADHESIVE. THE AMOUNT OF ADHESIVE SHALL BE LIMITED TO THE SMALLEST PRACTICABLE AMOUNT APPLIED TO ONE SIDE OF THE TABLET ONLY. NOTE THAT SINCE FLUSHING OF LINES IS NOT POSSIBLE, CONTRACTOR MUST USE EXTREME CARE TO PREVENT CONTAMINATING MATERIALS FROM ENTERING THE PIPE DURING INSTALLATION; CONTAMINATES ENTERING THE LINE, INCLUDING TRENCH WATER OR OTHER FOREIGN MATERIALS, WILL REQUIRE FLUSHING AND DISINFECTION BY OTHER MEANS.
- 2.4. AFTER THE APPLICATION RETENTION PERIOD, HEAVILY CHLORINATED WATER SHALL NOT REMAIN IN PROLONGED CONTACT WITH PIPE. IN ORDER TO PREVENT DAMAGE TO THE PIPE LINING OR CORROSION DAMAGE TO THE PIPE ITSELF, THE HEAVILY CHLORINATED WATER SHALL BE FLUSHED FROM THE MAIN UNTIL CHLORINE MEASUREMENTS SHOW THAT THE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM OR IS ACCEPTABLE FOR DOMESTIC USE (0.2 MG/L).
- 2.5. IF THERE IS ANY POSSIBILITY THAT THE CHLORINATED DISCHARGE WILL CAUSE DAMAGE TO THE ENVIRONMENT, THEN A REDUCING AGENT SHALL BE APPLIED TO THE WATER TO BE WASTED TO NEUTRALIZE THOROUGHLY THE CHLORINE RESIDUAL REMAINING IN THE WATER. FEDERAL, STATE AND LOCAL REGULATORY AGENCIES SHOULD BE CONTACTED TO DETERMINE SPECIAL PROVISIONS FOR THE DISPOSAL OF HEAVILY CHLORINATED WATER.
- 3. BACTERIOLOGICAL QUALITY TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING WHERE
- 3.1. AFTER DISINFECTION AND FLUSHING AND PRIOR TO PLACING THE POTABLE WATER PIPELINES AND PLUMBING IN SERVICE, WATER SAMPLES SHALL BE COLLECTED AND TESTED FOR BACTERIOLOGICAL QUALITY. THE PIPELINES AND PLUMBING SHALL BE CONSIDERED AS PROPERLY DISINFECTED IF THE TEST RESULTS SHOW THE ABSENCE OF COLIFORM ORGANISMS.
- 3.2. TESTING SHALL BE IN ACCORDANCE WITH CURRENT STATE REQUIREMENTS
- 3.3. IF THE INITIAL DISINFECTION FAILS TO PRODUCE SATISFACTORY SAMPLES, DISINFECTION AND TESTING SHALL BE REPEATED BY THE CONTRACTOR UNTIL SATISFACTORY SAMPLES HAVE BEEN OBTAINED. THE TABLET METHOD CANNOT BE USED IN THESE SUBSEQUENT DISINFECTIONS. SUBSEQUENT TESTS SHALL BE PERFORMED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE TESTING.
- 4. THE CONTRACT PRICE PAID FOR VARIOUS SIZES OF WATER PIPE SHALL INCLUDE FULL COMPENSATION FOR PRESSURE TESTING, AND NO SEPARATE PAYMENT WILL BE MADE FOR THESE INCLUDED ITEMS.
- 5. THE CONTRACT PRICE PAID FOR VARIOUS SIZES OF WATER PIPE SHALL INCLUDE FULL COMPENSATION FOR DISINFECTING PIPE AND NO SEPARATE PAYMENT WILL BE MADE FOR THIS INCLUDED ITEM.

EROSION CONTROL NOTES:

- 1. BMP'S SHALL BE INSTALLED PRIOR TO ANY SITE DISTURBANCE AND MAINTAINED
- SUCH THAT NO VISIBLE SEDIMENT LEAVES THE SITE.
- 2. TRACKING CONTROLS: ENTRANCE/EXIT BMP. 3. PAVED AREAS AT THE ACCESS POINTS SHALL BE SWEPT OR VACUUMED AS OFTEN AS EACH DAY TO ELIMINATE TRACKING SOIL AND DEBRIS BEYOND THE LIMITS OF THE PROJECT SITE. ANY SOILS AND/OR DEBRIS, ROCK, GRAVEL, ETC. TRACKED BEYOND THE LIMITS OF THE PROJECT SITE AS A RESULT OF THIS PROJECT SHALL BE REMOVED IMMEDIATELY.
- 4. DISTURBED AREAS PROTECTED TO EXTENT PRACTICAL DURING CONSTRUCTION.
- 5. STOCKPILE MANAGEMENT TO BE IMPLEMENTED.
- DISTURBED AREA STABILIZED AS SOON AS POSSIBLE. 7. THE CONTRACTOR SHALL NOT ALLOW ANY CONSTRUCTION DEBRIS TO ENTER THE STORM DRAIN OR SANITARY SEWER SYSTEMS. THE CONTRACTOR SHALL INSTALL APPROVED PHYSICAL BARRIERS TO ENSURE THAT ALL DEBRIS IS CAPTURED AND REMOVED FROM SURFACE RUNOFF PRIOR TO RELEASING SITE RUNOFF.
- 8. SUBMIT SWPPP IN ACCORDANCE WITH SPECIAL PROVISIONS

SURVEY NOTES:

THE BASIS OF BEARINGS OF THIS SURVEY IS BASED ON SURVEY OF LAKEFRONT PARK LAKEPORT CONDUCTED BY LACO ASSOCIATES ON JULY 2020 AND SPECIFIED AS THE FOLLOWING:

NORTH 11°29'40" WEST BETWEEN MONUMENTS ALONG THE WEST LINE OF LAKEFRONT PARK AS PER MAP OF HAPPY VALLEY, UNIT NO. 1, FILED IN BOOK 8 OF TOWN MAPS AT PAGE 39.

THE VERTICAL DATUM IS NAVD 88 (OPUS SOLUTION) THE BASIS OF BEARINGS OF THIS SURVEY IS BASED ON SURVEY CONDUCTED JULY 2020 LAKEFRONT PARK LAKEPORT.

 \supset 8

No. 69388 Exp. 06/30/22

AGENCY APPROVAL

REVISIONS

DATE

JOB

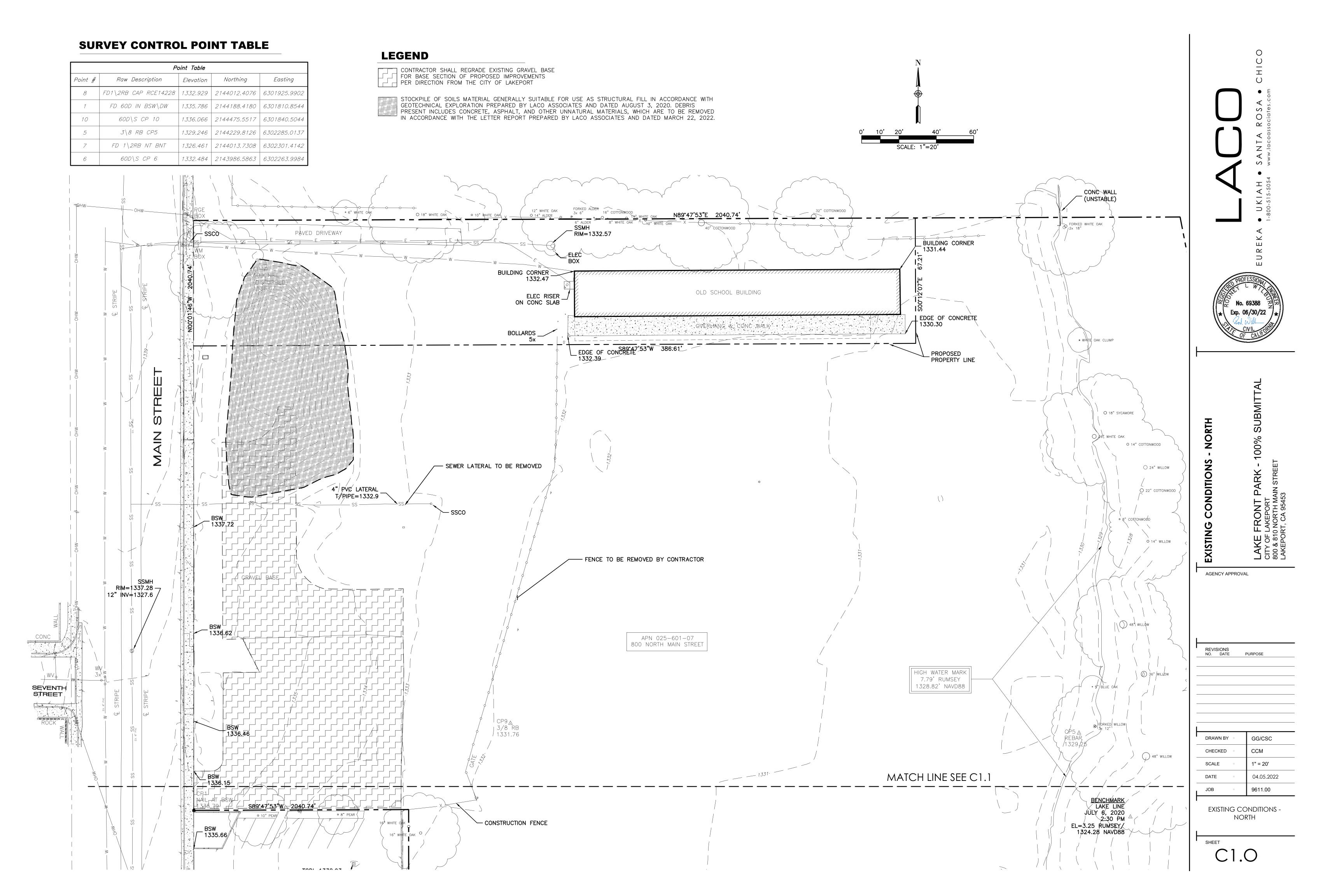
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NOTES

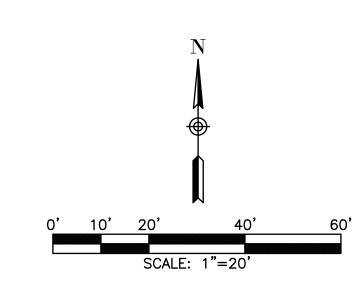
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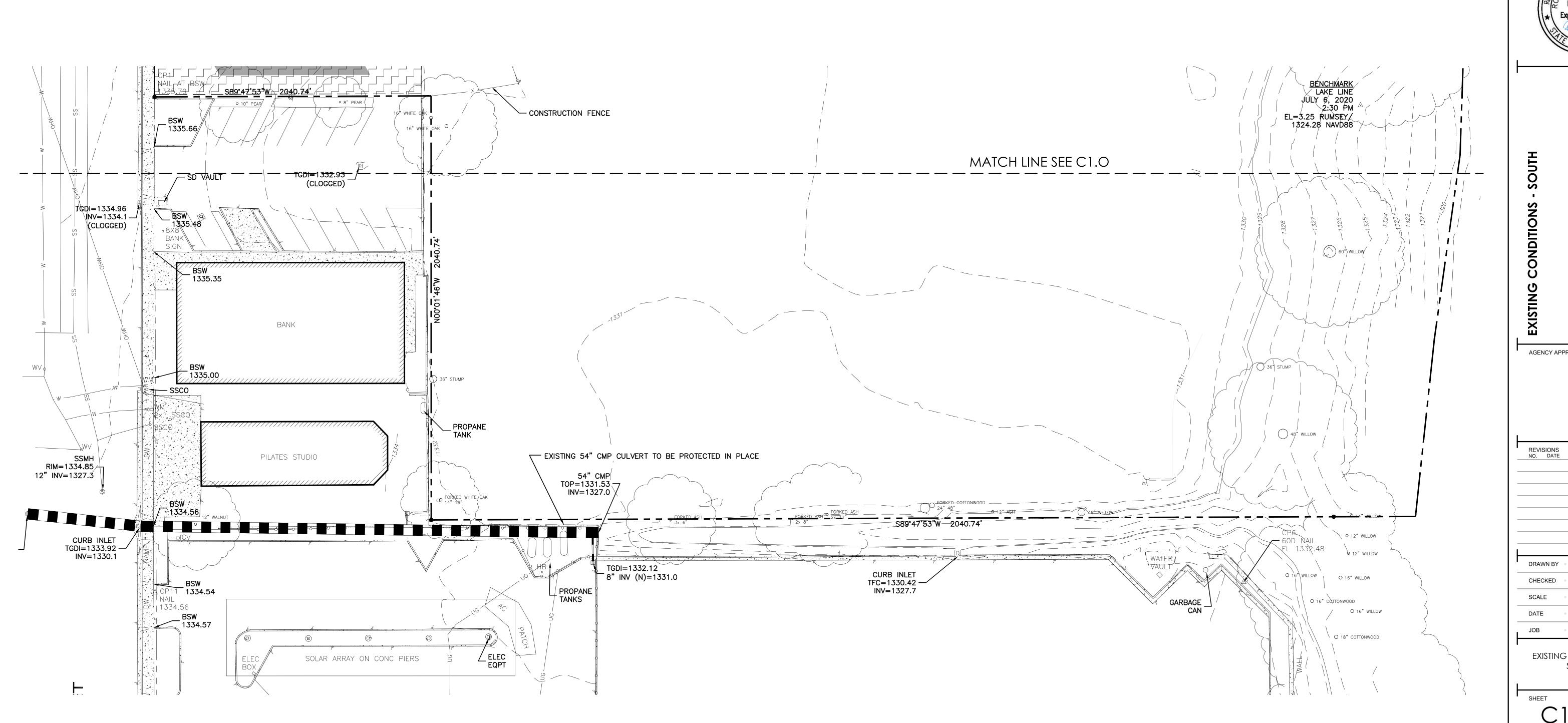
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SURVEY CONTROL POINT TABLE

	Point Table						
Point #	Raw Description	Elevation	Northing	Easting			
8	FD1\2RB CAP RCE14228	1332.929	2144012.4076	6301925.9902			
1	FD 60D IN BSW\DW	1335.786	2144188.4180	6301810.8544			
10	60D\S CP 10	1336.066	2144475.5517	6301840.5044			
5	3\8 RB CP5	1329.246	2144229.8126	6302285.0137			
7	FD 1\2RB NT BNT	1326.461	2144013.7308	6302301.4142			
6	60D\S CP 6	1332.484	2143986.5863	6302263.9984			





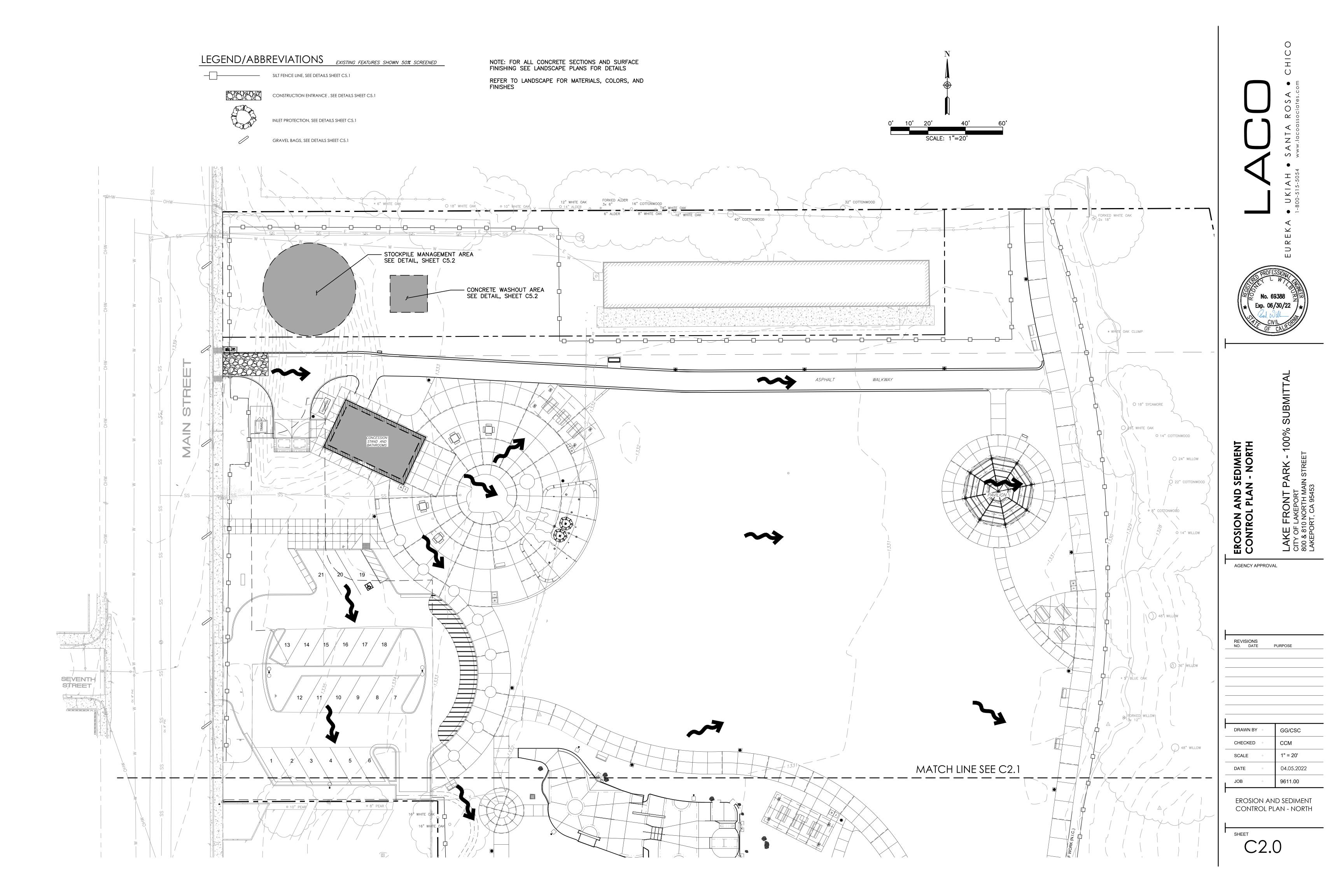


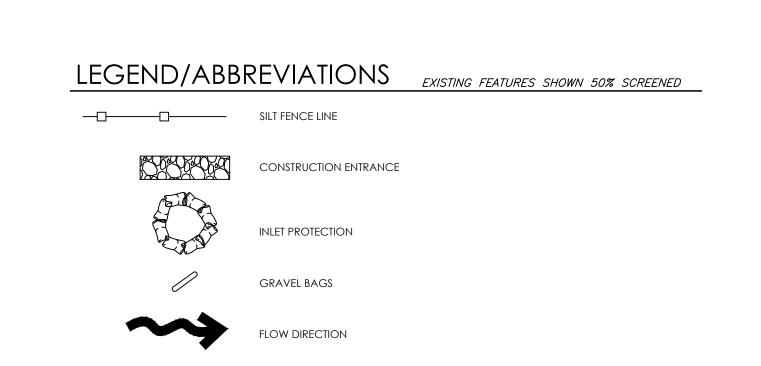
SOUTH AGENCY APPROVAL

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DATE •	04.05.2022
JOB •	9611.00
EXISTING CC	ONDITIONS -

SOUTH

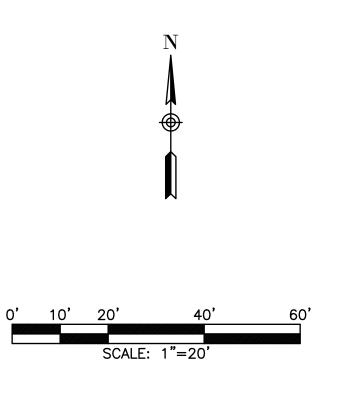
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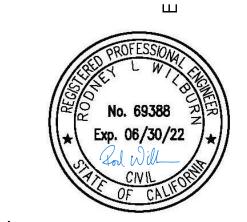




NOTE: FOR ALL CONCRETE SECTIONS AND SURFACE FINISHING SEE LANDSCAPE PLANS FOR DETAILS

REFER TO LANDSCAPE FOR MATERIALS, COLORS, AND FINISHES





Exp. 06/30/22 *

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THE CONTROL

EROSION AND SEDIMENT
CONTROL PLAN - SOUTH
LAKE FRONT PARK - 100% SUBM

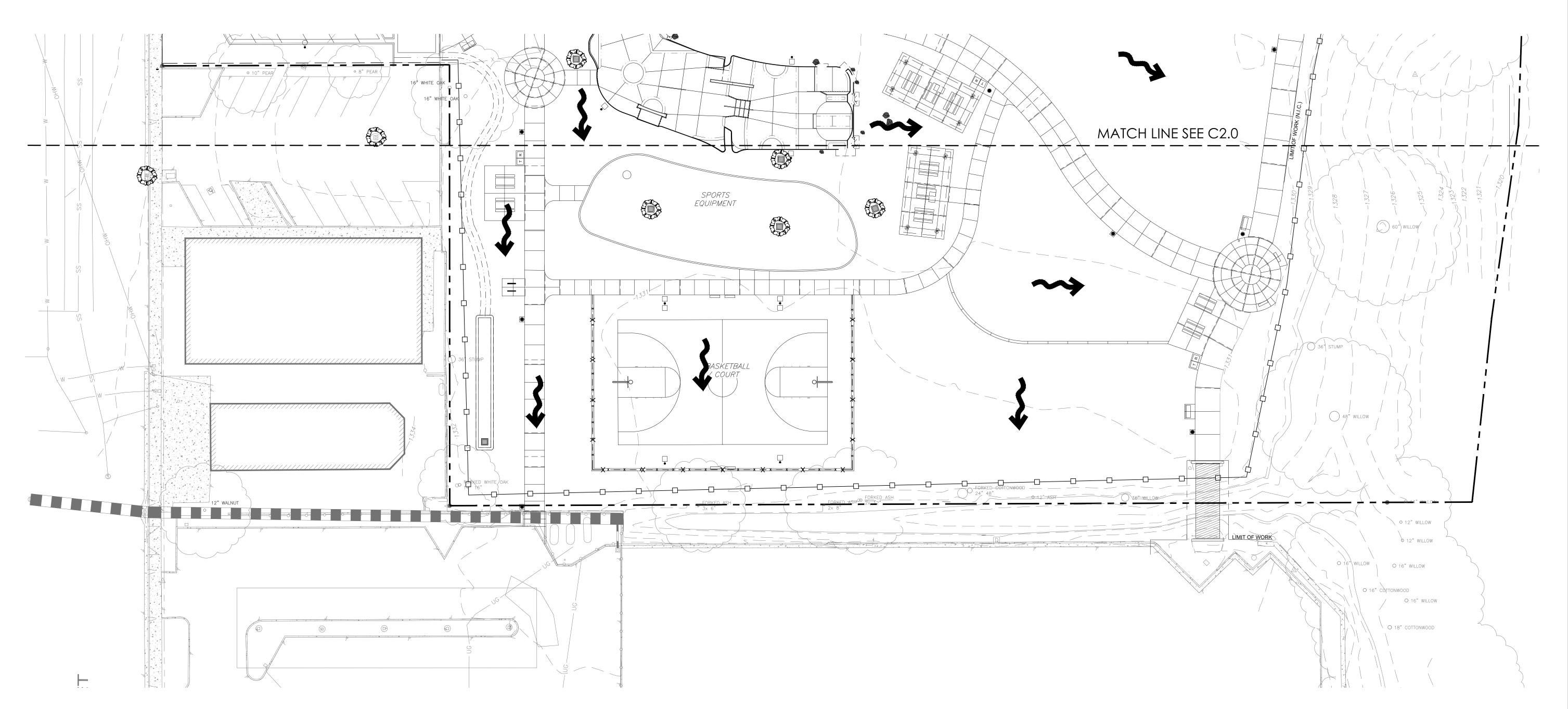
AGENCY APPROVAL

REVISIONS
NO. DATE PURPOSE

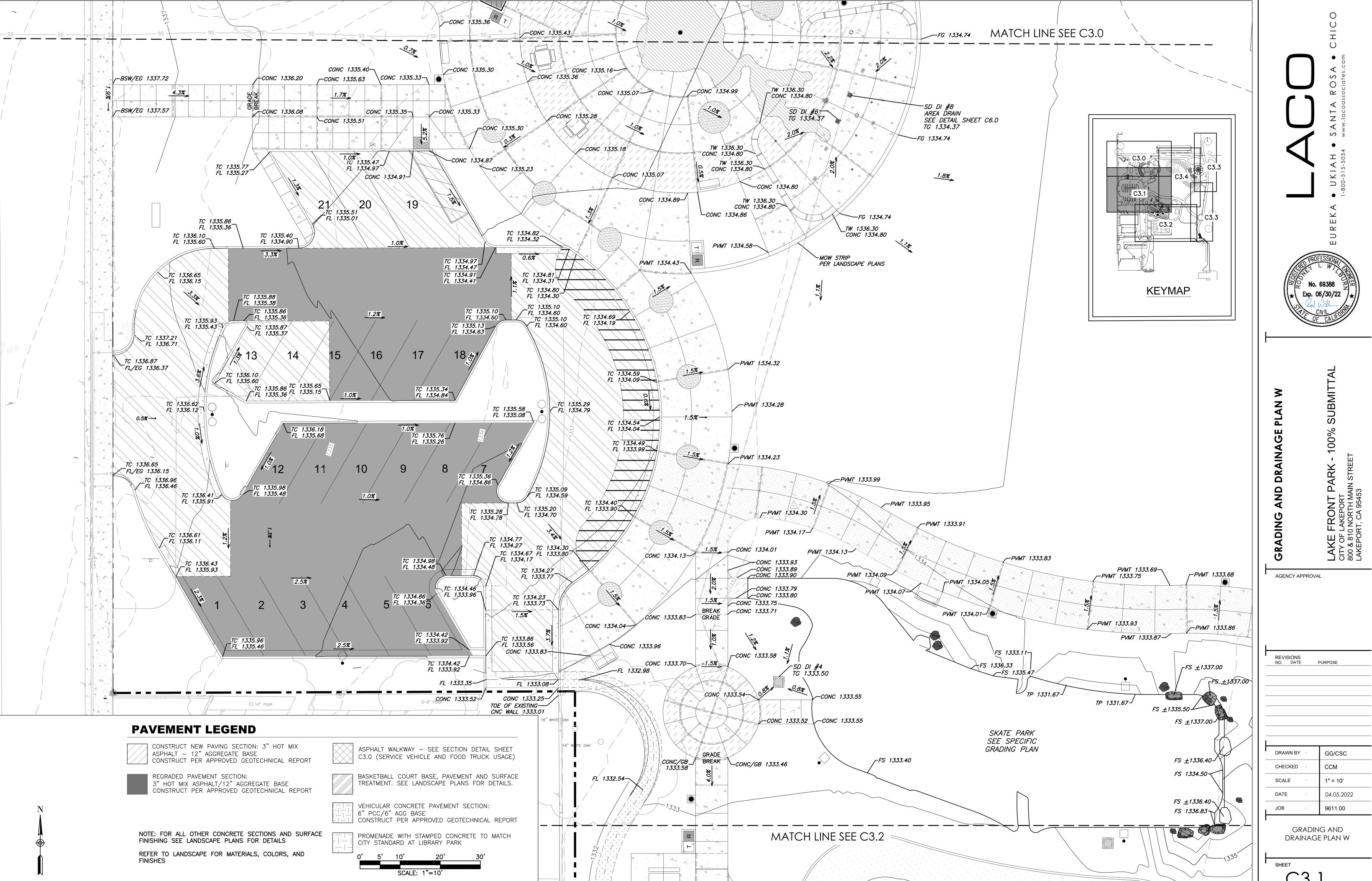
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SCALE	1" = 20'
DATE	04.05.2022
JOB	9611.00

erosion and sediment Control plan - south

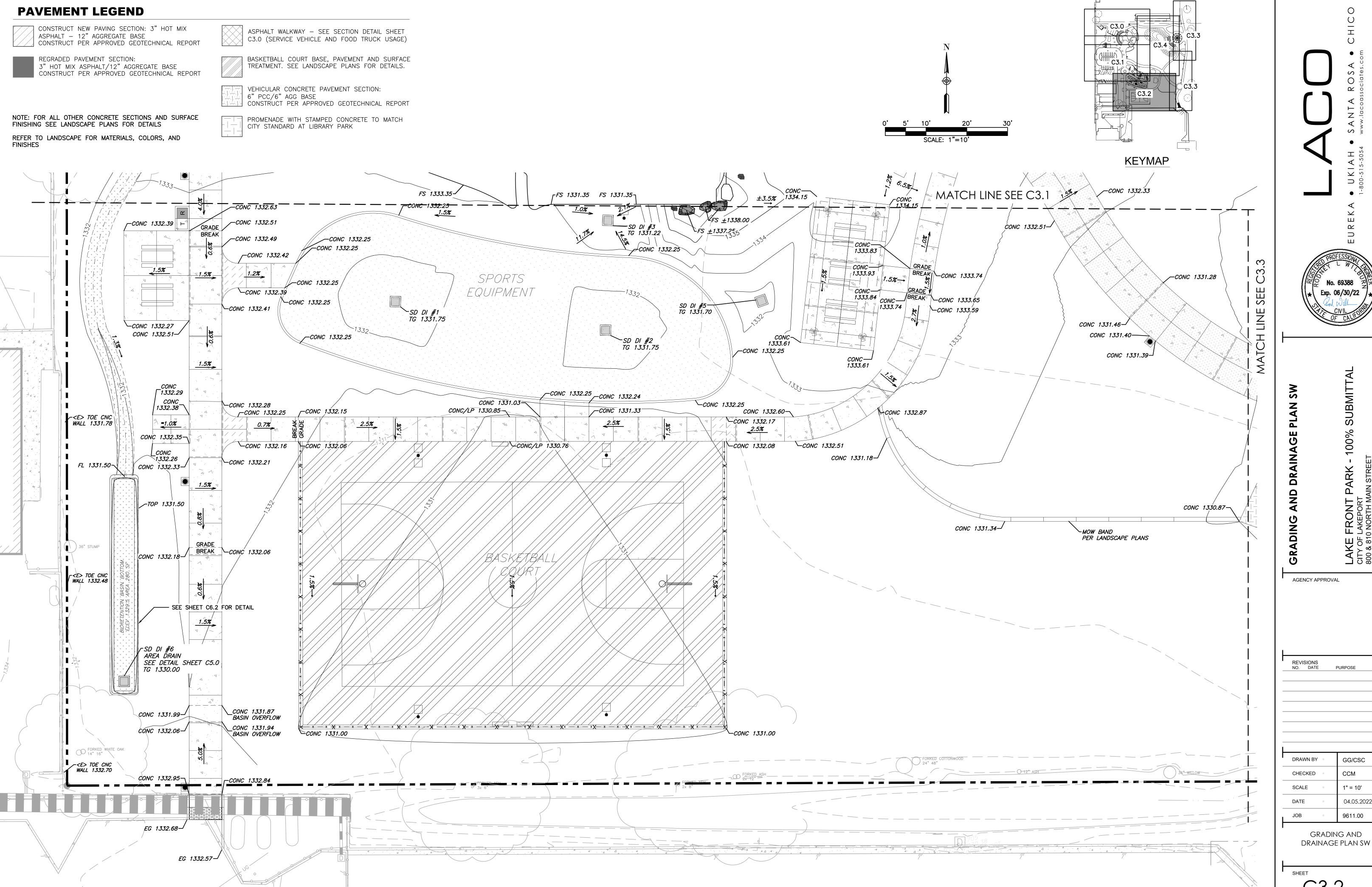
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C3.0

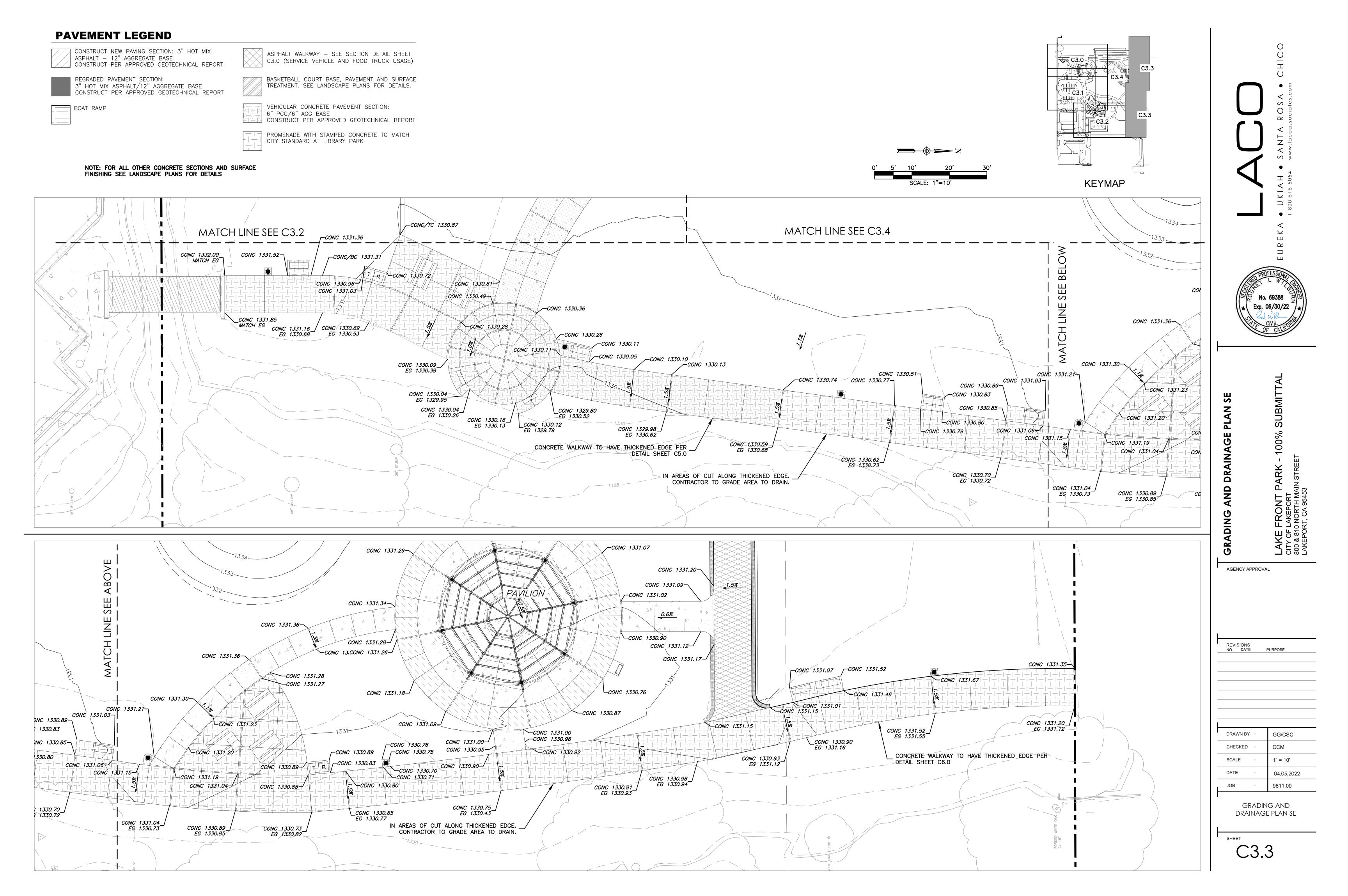


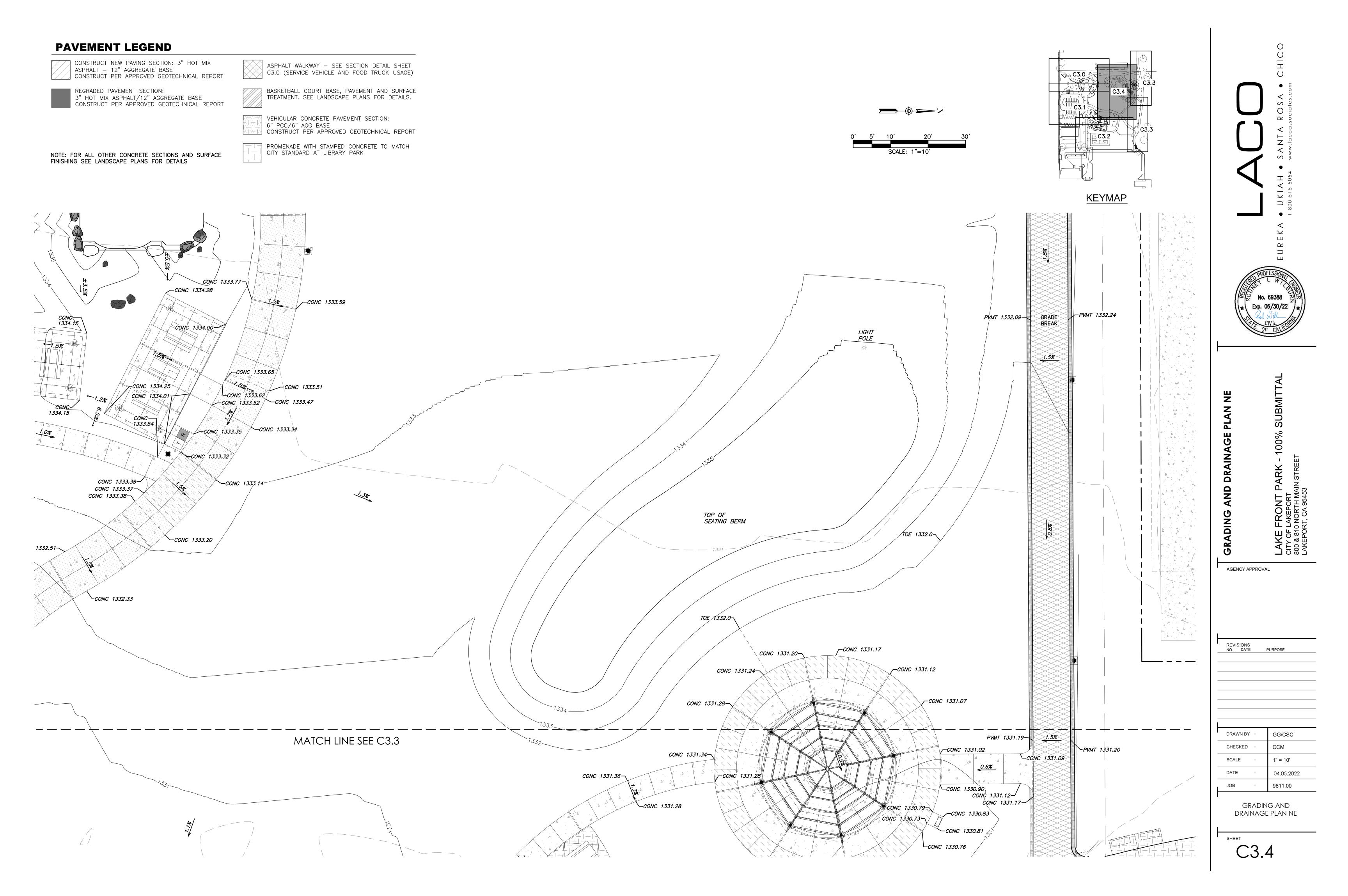
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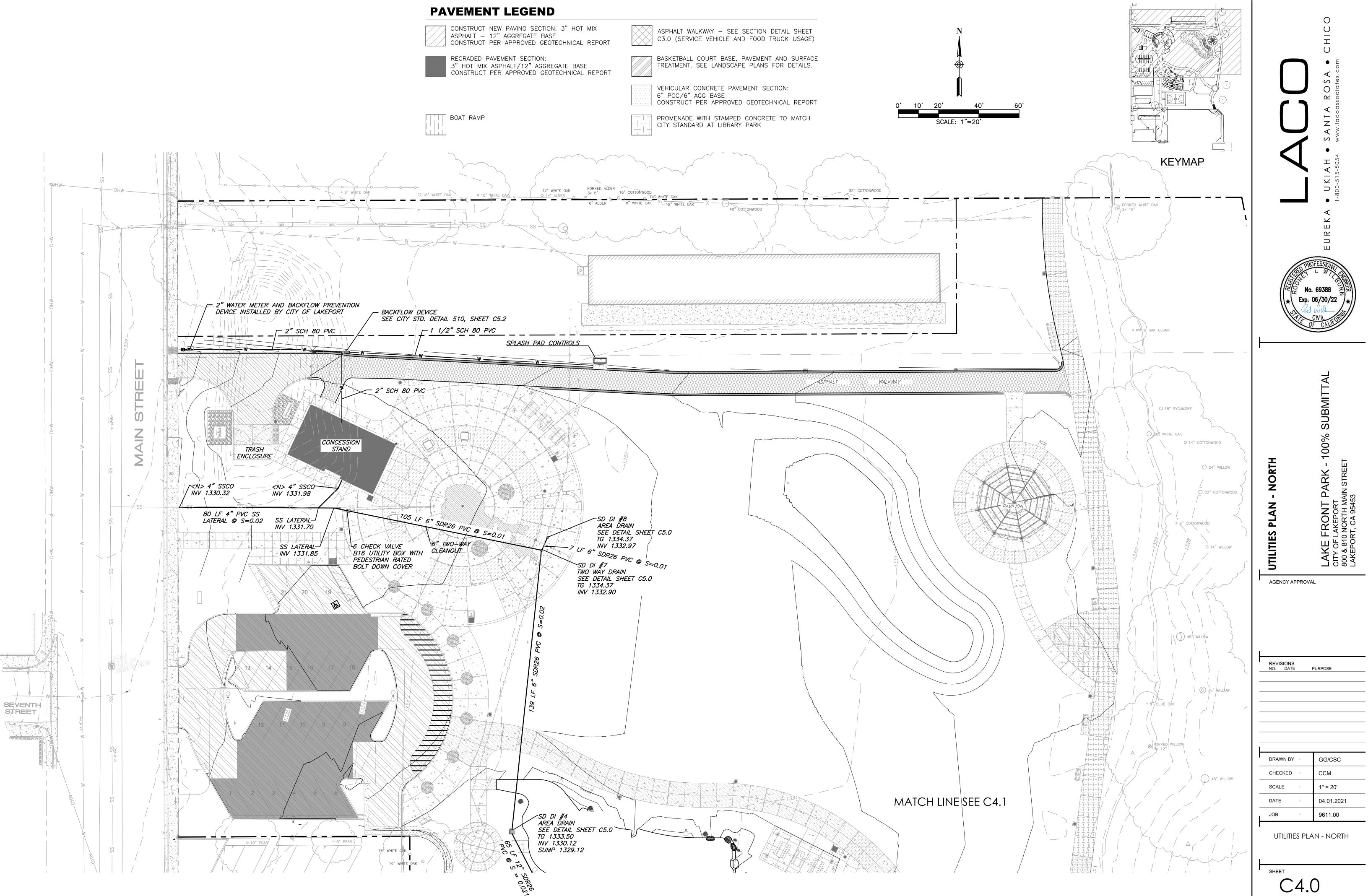


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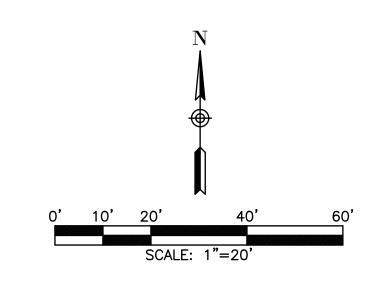
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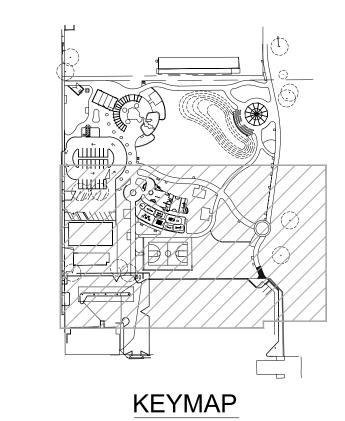


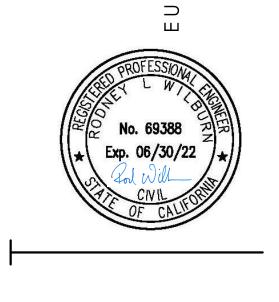




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DATE	04.01.2021
JOB	9611.00







SKATE PARK SD DI #3 TG 1331.03 INV 1328.78 SUMP 1327.78 MATCH LINE SEE/C4.0 SD DI #1 AREA DRAIN SEE DETAIL SHEET C5.0 TG 1331.75 INV 1328.40 SUMP 1327.40-SPORTS OF TO 50 LF 6" SDR26 PVC @ S=0.005 32 LF 6" SDR26 PVC @ S=0.01 SD DI #5

AREA DRAIN

SEE DETAIL SHEET C5.0

TG 1331.70

INV 1328.97

SUMP 1327.97 SUMF
SD DI #2
AREA DRAIN
SEE DETAIL SHEET C5.0
TG 1331.75
INV 1328.65
SJMP1327.65 BANK SD DI #6 TG 1330.00 INV 1328.00 SUMP 1327.00 PILATES STUDIO DRAINAGE DITCH 0 12" WILLOW 6 12" WILLOW O 16" WILLOW О 16" СОТТОНЖООД O 16" WILLOW O 18" COTTONWOOD

AGENCY APPROVAL

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PURPOSE

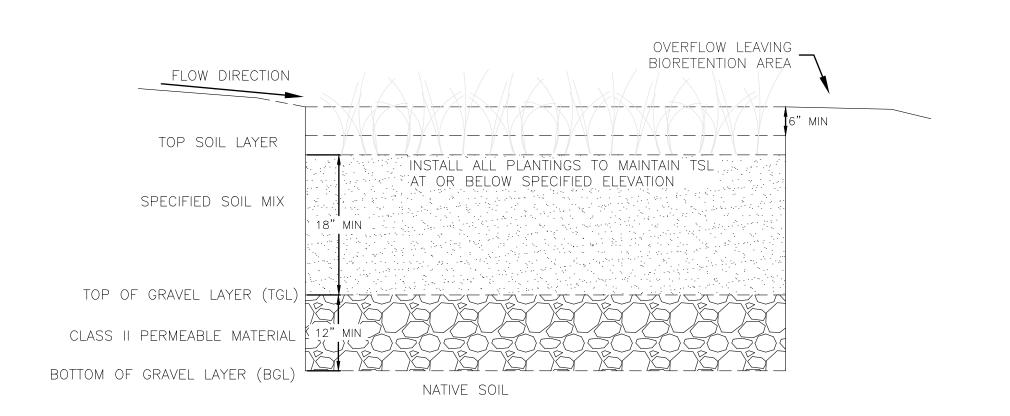
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SCALE 1" = 20' DATE 04.05.2022 JOB 9611.00

> UTILITIES PLAN -SOUTH

SHEET

C4.1



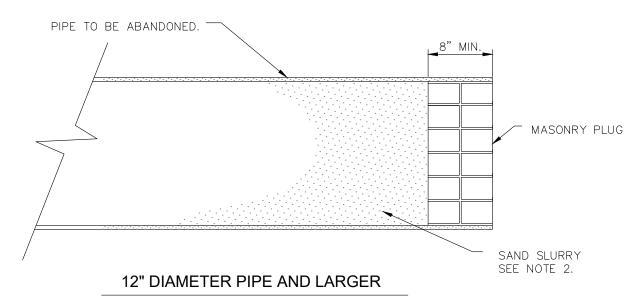
Soil/Compost and Gravel Specifications for Bioretention Facility

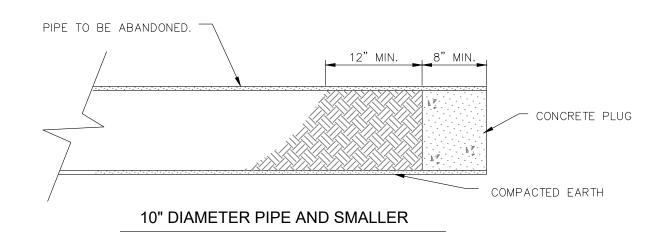
Compost shall be a well-decomposed, stable, weed-free organic matter source derived from waste materials including yard debris, wood wastes or other organic materials not including manure or biosolids, and shall meet the standards developed by the US Composting Council (USCC). The product shall be certified through the USCC Seal of Testing Assurance (STA) Program (a compost testing and information disclosure program).

Compost Quality Analysis:

Before delivery of the soil, the supplier shall submit a copy of the lab analysis performed by a laboratory that is enrolled in the USCC's Compost Analysis Proficiency (CAP) program and using approved Test Methods for the Evaluation of Composting and Compost (TMECC). The lab report shall verify that the compost parameters are within the limits specified below.

Parameter	Range	Reported as (units)
Organic Matter Content	35-75	%, dry weight basis
Carbon to Nitrogen Ratio	15:1 to 25:1	ratio
Maturity (Seed Emergence and Seedling Vigor)	>80	average % of control
Stability (CO ₂ Evolution Rate)	<8	mg C0₂-C/g unit OM/day
Soluble Salts (Salinity)	<6.0	mmhos/cm
рН	6.5 - 8.0 May vary with plant species	units
Heavy Metals Content	PASS	PASS/FAIL: US EPA Class A standard, 40 CFR § 503.13, tables 1 and 3.
Pathogens		
Fecal coliform	PASS	PASS/FAIL: US EPA Class A standard, 40 CFR § 503.32(a) levels
Salmonella	PASS	PASS/FAIL: US EPA Class A standard, 40 CFR § 503.32(a) levels
Nutrient Content (provide analysis, inclu	ding):	
Total Nitrogen (N)	≥0.9	%
Boron (Total B)	<80	ppm
Calcium (Ca)	For information only	%
Sodium (Na)	For information only	%
Magnesium (Mg)	For information only	%
Sulfur (S)	For information only	%



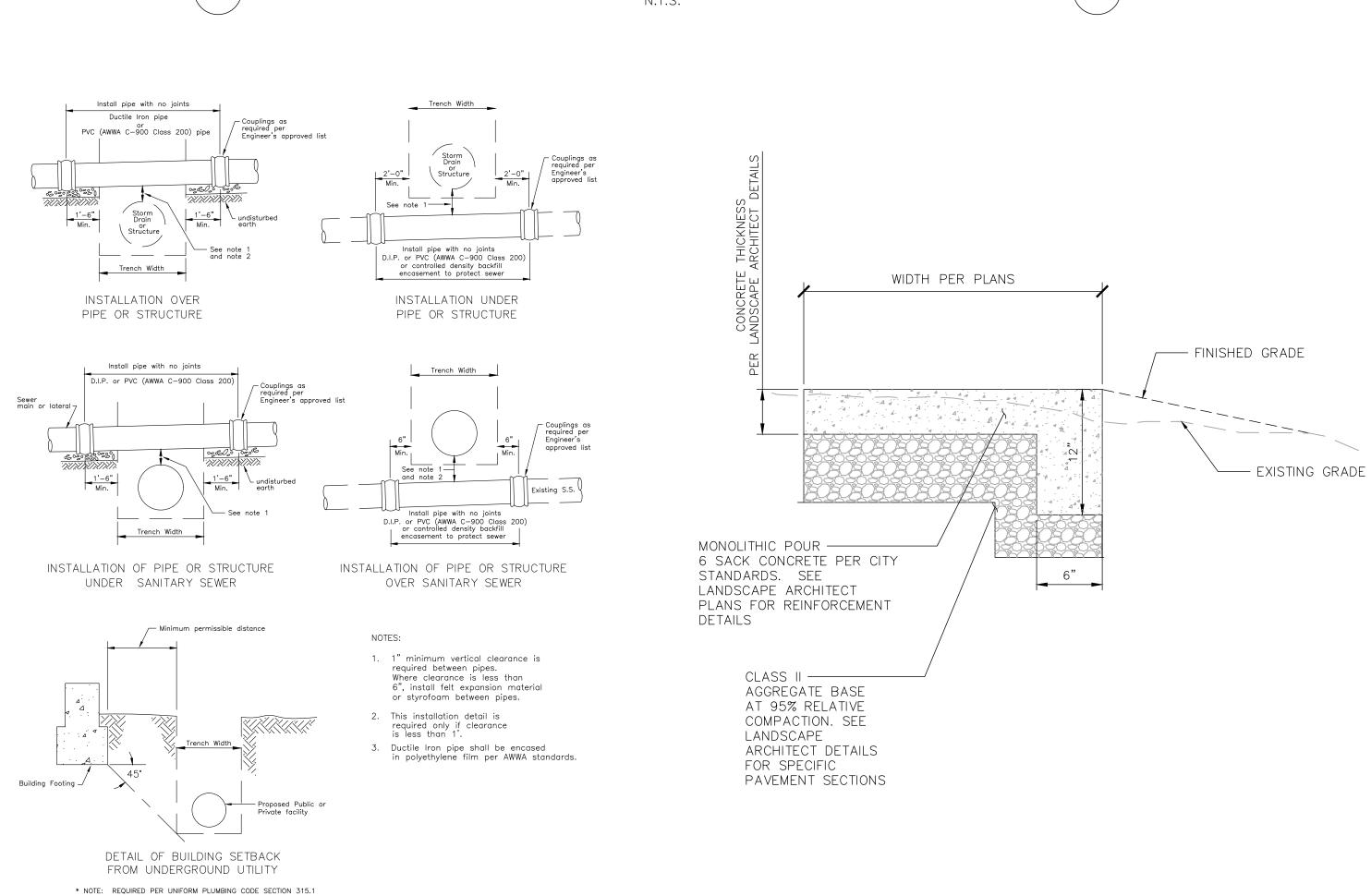


- 1. PIPE PLUGS SHALL BE INSTALLED TO THE SATISFACTION OF THE CITY ENGINEER.
- 2. ABANDONED PIPES, 12" AND LARGER, SHALL BE BROKEN INTO EVERY 50' AND SHALL BE FILLED COMPLETELY WITH SAND SLURRY.

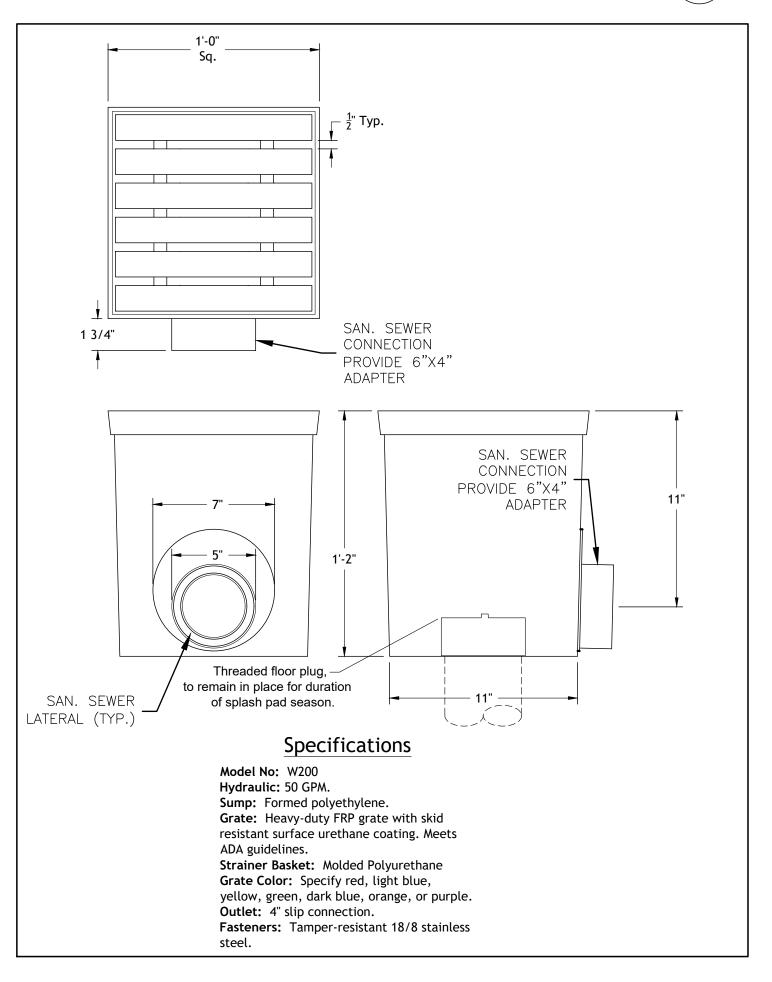
TYPICAL BIORETENTION FACILITY SECTION

BIORETENTION SOIL MIX SPECIFICATIONS SHEET

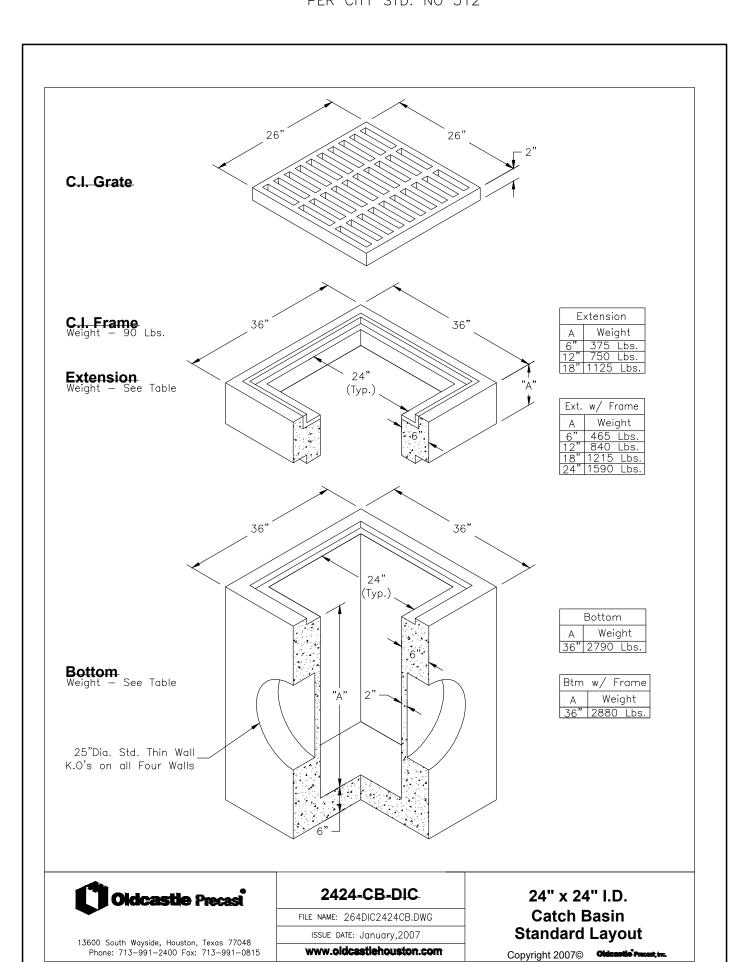




PER CITY STD. NO 316



N.T.S.





SPLASH PAD DRAIN



N.T.S.

AGENCY APPROVAL

REVISIONS NO. DATE DRAWN BY GG/CSC CCM CHECKED SCALE 1" = 20' DATE 04.05.2022 JOB 9611.00

CIVIL DETAILS

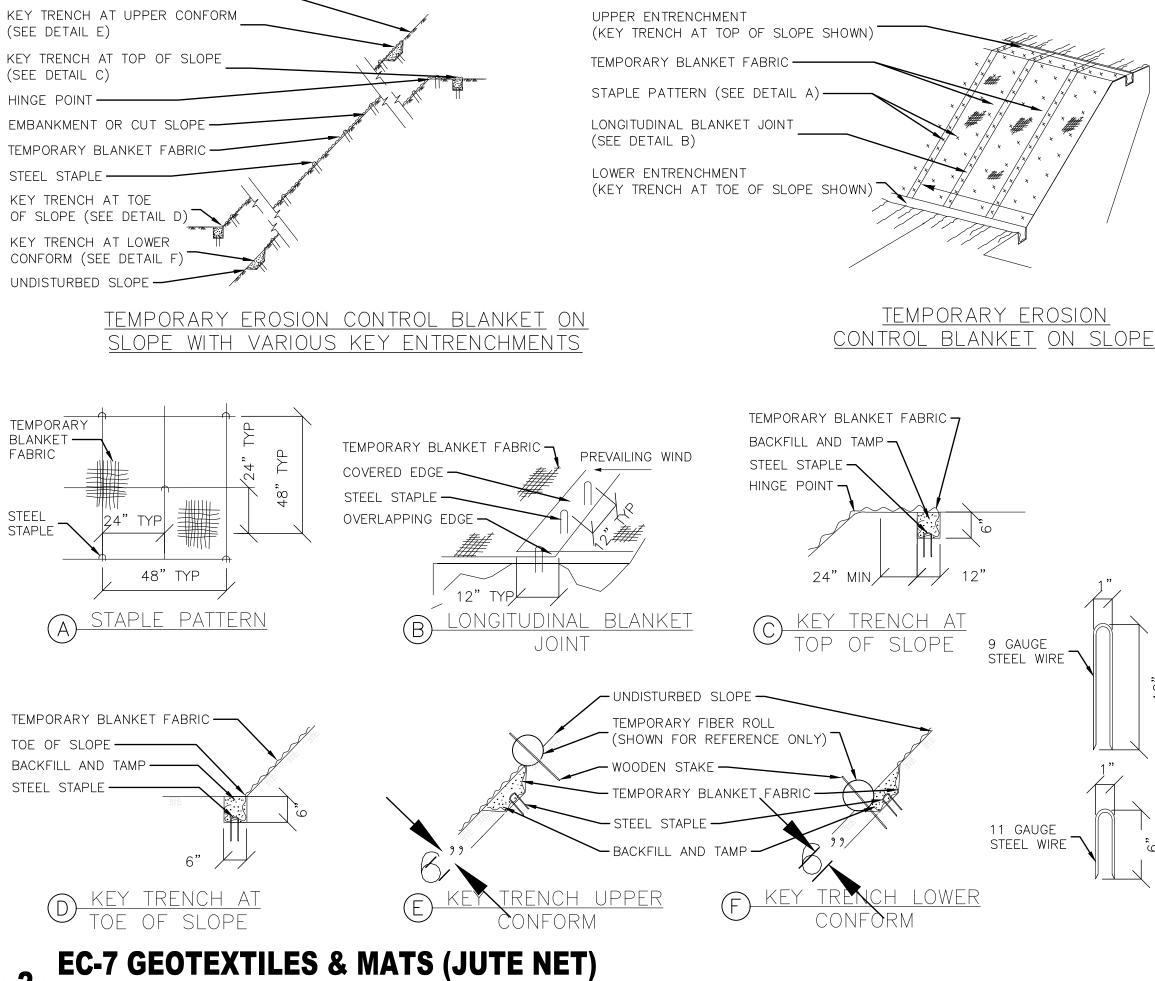
SHEET

MISCELLANEOUS PIPE INSTALLATION DETAIL

- 1. INSTALL TEMPORARY SILT FENCE BY FIRST DIGGING TRENCH, DRIVING POSTS, PLACING AND SECURING FABRIC. THEN BACKFILL AND TAMP. 2. REACH LENGTH NOT TO EXCEED 500 FEET.
- 3. THE DOWN STREAM END OF THE TEMPORARY SILT FENCE SHALL HAVE THE LAST 8' ANGLED UP SLOPE.
- 4. SETBACK DIMENSIONS MAY VARY TO FIT FIELD CONDITIONS.
- 5. POSTS TO OVERLAP AND FENCE FABRIC TO FOLD AROUND EACH POST ONE FULL TURN. SECURE FABRIC WITH 4 STAPLES FOR EACH POST. 6. POSTS SHALL BE DRIVEN TIGHTLY TOGETHER TO PREVENT POTENTIAL FLOW-THROUGH OF SEDIMENT AT THE JOINT. THE TOPS OF THE POSTS SHALL BE
- SECURED TO EACH OTHER WITH WIRE. 7. FOR EACH END POST, FENCE FABRIC SHALL BE FOLDED AROUND TWO POSTS ONE FULL TURN AND SECURED WITH 4 STAPLES.
- 8. MINIMUM OF 4 STAPLES SHALL BE INSTALLED PER POST. DIMENSIONS SHOWN ARE TYPICAL.
- 9. MAINTENANCE OPENINGS SHALL BE CONSTRUCTED IN A MANNER TO ENSURE THAT SEDIMENT IS RETAINED BY THE TEMPORARY SILT FENCE. 10. JOINT SECTIONS SHALL NOT BE PLACED AT SUMP LOCATIONS.

SE-1 SILT FENCE DETAIL

SE = SEDIMENT CONTROL PER CASQA (TYP)



EC-7 GEOTEXTILES & MATS (JUTE NET) EC = EROSION CONTROL PER CASQA NOT TO SCALE

UNDISTURBED SLOPE ----

NOTES:

GENERAL NOTES: THIS EROSION AND SEDIMENT CONTROL PLAN WAS PREPARED BY LACO ASSOCIATES. EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL COMPLY WITH THE CALIFORNIA STORM WATER BEST MANAGEMENT PRACTICE HANDBOOK-CONSTRUCTION (LATEST REVISION). THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE FOLLOWING BMP'S:

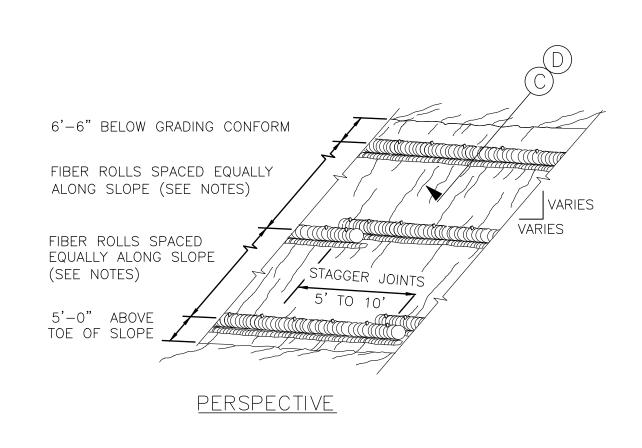
GENERAL WATER POLLUTION CONTROL NOTES: THE FOLLOWING PLANS ARE ACCURATE FOR STORM WATER POLLUTION

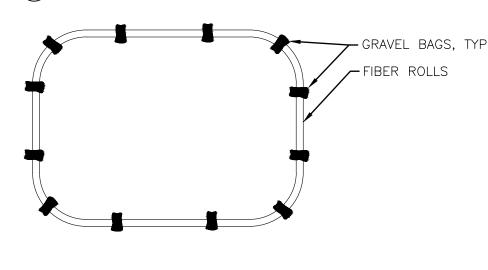
- CONTROL PURPOSES ONLY. B. THE INFORMATION ON THIS PLAN IS INTENDED TO BE USED AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTORS TO COMPLY WITH THE REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD.
- A. RAINY SEASON DATES: OCTOBER 15 TO MAY 15. B. START IMPLEMENTATION OF TEMPORARY SOIL STABILIZATION AND SEDIMENT CONTROL BMP'S ON OCTOBER 10 OR 5 DAYS BEFORE START OF
- CONSTRUCTION, WHICHEVER IS EARLIER. C. COMPLETE IMPLEMENTATION OF TEMPORARY SOIL STABILIZATION AND SEDIMENT CONTROL BMP'S BY OCTOBER 15 OR START OF CONSTRUCTION, WHICHEVER IS LATER. NO CONSTRUCTION SHALL OCCUR AFTER OCTOBER 1 UNTIL APPROVED EROSION CONTROL MEASURES ARE IN PLACE.

EROSION AND SEDIMENT CONTROL NOTES:

<u>EROSION AND SEDIMENT CONTROL SCHEDUL</u>

- A. ALL AREAS OF DISTURBED SOIL, EXCEPT ROAD SURFACE, SHALL BE MULCHED BY HAND BROADCASTING NATIVE SEED MIX TO BE SPECIFIED BY OWNER.
- B. DIVERT RUNOFF AWAY FORM STEEP BARE SLOPES OR OTHER CRITICAL AREAS
- WITH BARRIERS, BERMS, DITCHES, OR OTHER FACILITIES. C. LOCATE STOCKPILES IN AREAS THAT WILL NOT CONTRIBUTE TO OFFSITE SEDIMENT DISCHARGE, STOCKPILES SHALL BE PROTECTED BY PROMPT USE OF
- APPROPRIATE BMP'S. D. INSPECTIONS SHALL BE CONDUCTED AS FOLLOWS: PRIOR TO A FORECAST STORM, AFTER A RAIN EVENT THAT CAUSES RUNOFF FROM THE CONSTRUCTION SITE, AT 24-HOUR INTERVALS DURING EXTENDED RAIN EVENTS. WEEKLY FOR OCTOBER 15 TO APRIL 15, AT OTHER INTERVALS OF TIME SPECIFIED IN THE CONTRACT DOCUMENTS.
- ANY DEFICIENCIES SHALL BE PROMPTLY CORRECTED, SUCH AS: F. RE-SEED AND RE-MULCH AREAS WHICH DO NOT TAKE.
- G. CHECK AND ADJUST STRAW BALES, SEDIMENT TRAPS AND SILT FENCES TO PREVENT SEDIMENT FROM DISCHARGING INTO SWALES OR UNGRADED AREAS. REMOVE SEDIMENT IF NECESSARY. **EROSION CONTROL NOTES:**
- A. THE FOLLOWING MEASURES SHALL BE TAKEN TO MINIMIZE EROSION AND
- TRANSPORT OF SEDIMENT OFF SITE: B. SILT FENCES AND FIBER ROLLS SHALL BE INSTALLED I THE LOCATIONS INDICATED ON THIS SET OF PLANS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CALTRANS BMP'S.
- . MULCH OR OTHER PROTECTIVE COVERING SHALL BE APPLIED TO STOCKPILED SOIL THAT WILL BE EXPOSED THROUGH THE WINTER SEASON.
- D. ALL CONSTRUCTION AREAS, INCLUDING DRIVEWAYS, SHALL BE MAINTAINED AS E. THE CONTRACTOR SHALL INSPECT THE EROSION NECESSARY TO MINIMIZE THE EMISSION OF DUST. AND SEDIMENTATION CONTROL MEASURES FOLLOWING EACH RAINFALL EVENT AND REPORT ANY DAMAGE OR FAILED EROSION CONTROL MEASURES TO THE ENGINEER. THE ENGINEER SHALL ADVISE THE OWNER OF ANY REQUIRED
- SPECIFIC BMP'S SHOWN ON THIS SET OF PLANS REMEDIAL ACTIONS. ARE BASED ON GENERAL PRACTICES FOR TYPICAL CONSTRUCTION SITES. SITE SPECIFIC CONDITIONS MAY REQUIRE SUBSTITUTIONS OR CHANGES TO SPECIFIED BMPS TO EFFECTIVELY CONTROL EROSION.
- G. FIBER ROLLS SHALL BE INSTALLED AROUND STOCKPILE AREA.





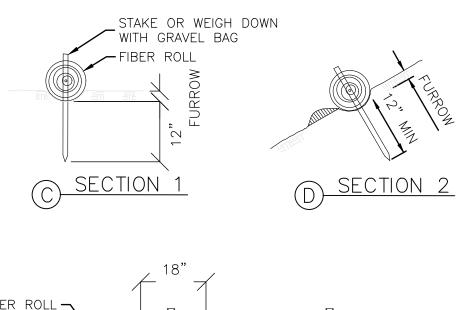
TYPICAL FIBER ROLL AT PROTECTED AREA DETAIL

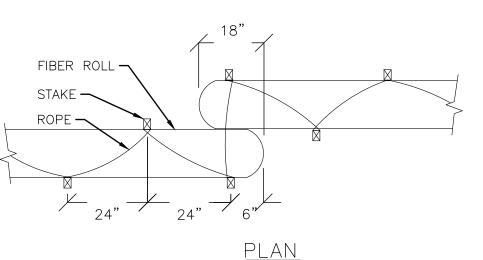
ONLY REQUIRED AROUND THOSE SECTIONS OF OPEN TRENCHING.

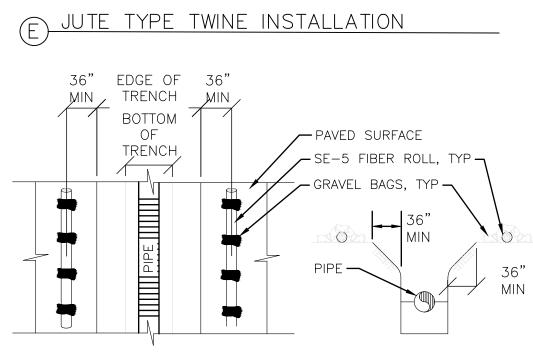
1. FIBER ROLL SPACING VARIES DEPENDING UPON SLOPE INCLINATION, BUT NOT TO EXCEED 10 FOOT AS MEASURED ALONG THE SLOPE INCLINATION. 2. INSTALLATIONS SHOWN IN THE PERSPECTIVES ARE FOR SLOPE INCLINATION OF 10:1 AND STEEPER. 3. IF TRENCHING WORK IS TO PROCEED IN A PIECE-MEAL FASHION, SECTION BY SECTION. BMP'S ARE

SE-5 TYPICAL FIBER ROLL INSTALLATION DETAIL

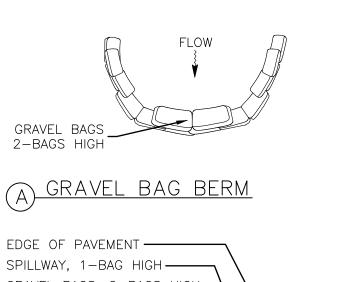
= SEDIMENT CONTROL PER CASQA (TYP) NOT TO SCALE

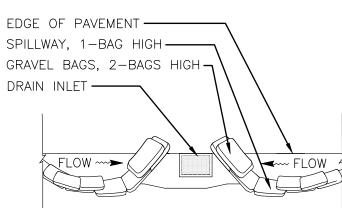




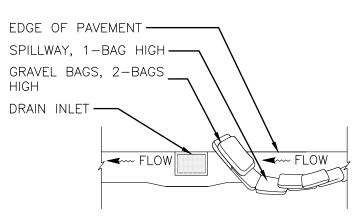


TYPICAL FIBER ROLL AT TRENCH DETAIL





GRAVEL BAG BARRIER FOR INLET ON SUMP



GRAVEL BAG BARRIER FOR INLET ON GRADE

NOTES:

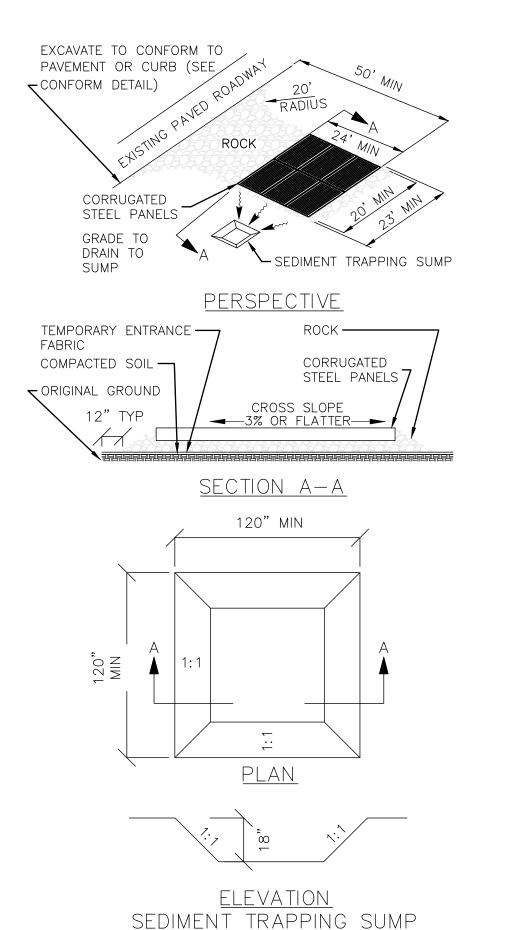
1. INTENDED FOR SHORT-TERM USE. 2. USE TO INHIBIT NON-STORM WATER FLOW.

WITHOUT FILTER FABRIC.

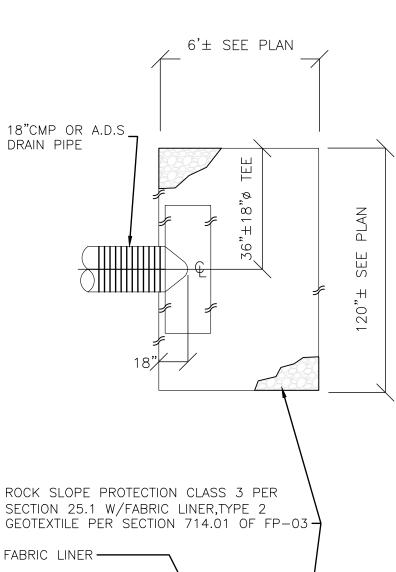
- 3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP. 4. BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS
- COMPLETED. 5. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS

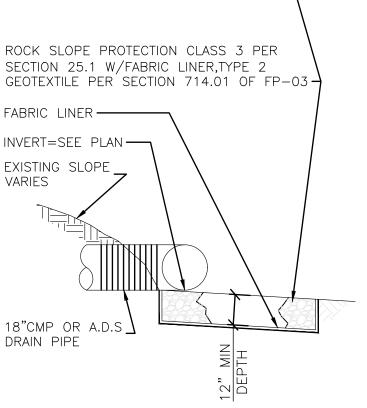
GRAVEL BAG BARRIER

NOT TO SCALE



CONSTRUCTION ENTRANCE NOT TO SCALE





NOTE:

1. RSP SHALL CONFORM TO SLOPE OF ADJACENT GROUND

VELOCITY DISSIPATION

NOT TO SCALE

No. 69388 Exp. 06/30/22

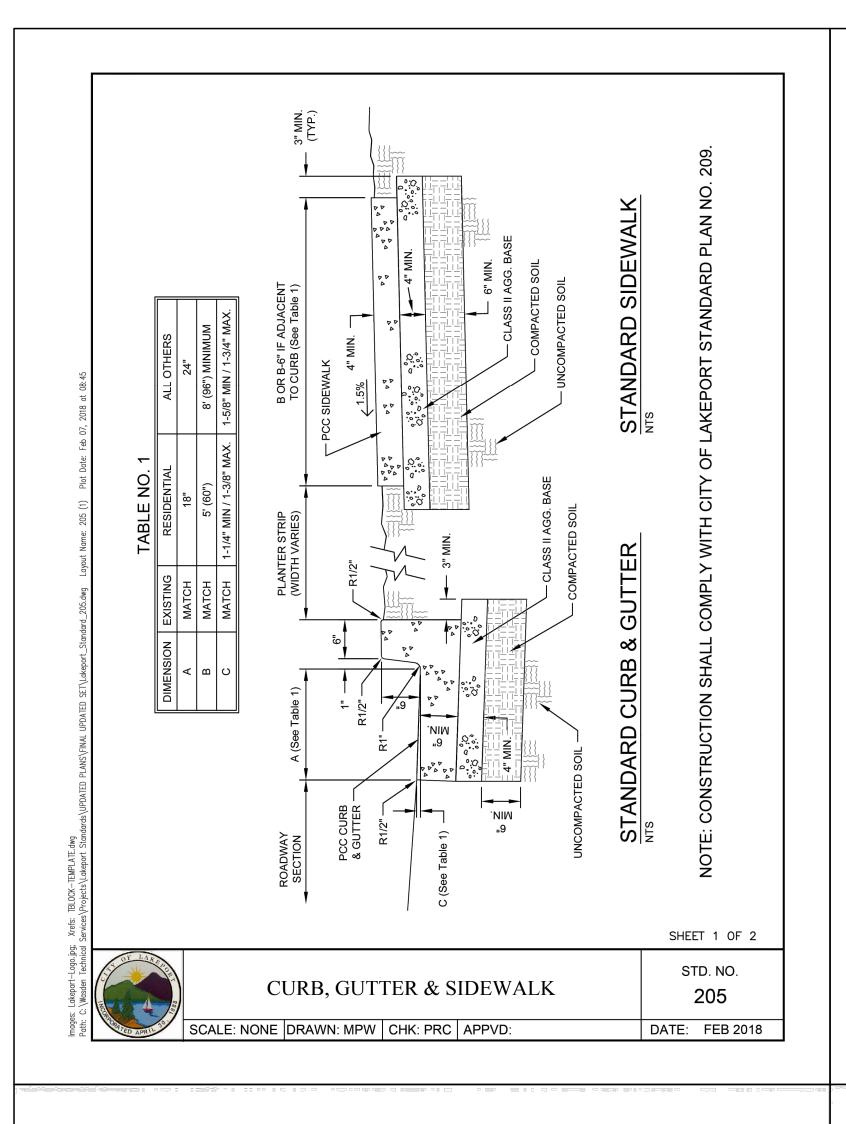
AGENCY APPROVAL

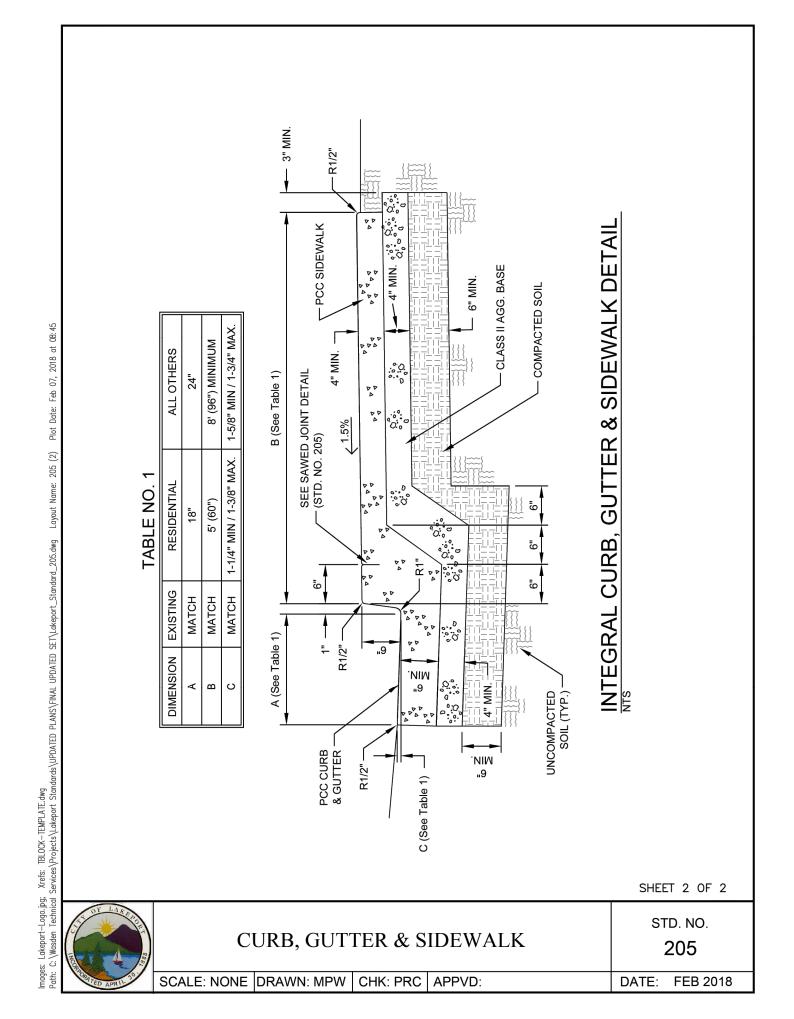
PURPOSE

DRAWN BY GG/CSC CCM CHECKED 1" = 20' SCALE 04.05.2022 JOB 9611.00

CIVIL DETAILS

SHEET





2. WEAKENED PLANE JOINTS (WPJ) SHALL HAVE A MAXIMUM SPACING OF 8 FEET. ADJUST SPACING TO PROVIDE UNIFORM SPACING ACROSS DRIVEWAY, WPJ MINIMUM DEPTH SHALL BE 1-1/4" FOR 4 INCH CONCRETE, 1-1/4" FOR 6 INCH CONCRETE AND 2" FOR 7 INCH CONCRETE. TOOLED JOINTS SHALL BE DEEPENED WITH A CONCRETE SAW WITHIN 24 HOURS OF CONCRETE PLACEMENT. 3. SIDEWALKS SHALL HAVE THE SAME AGGREGATE BASE AND CONCRETE THICKNESS AS THE REQUIRED DRIVEWAY APPROACH THICKNESS. 4. IF CURB AND GUTTER ARE PLACED INDEPENDENT OF DRIVEWAY APPROACH, THE CURB SHALL BE DOWELLED AT 24 INCH CENTERS USING A 5/8"X12" REBAR DOWEL. THE DOWEL SHALL EXTEND 3 INCHES INTO THE CURB AND 9 INCHES INTO THE DRIVEWAY APPROACH CONCRETE. THE DOWEL SHALL BE PLACED AT THE MIDPOINT OF THE REQUIRED CONCRETE THICKNESS BUT IN NO CASE CLOSER THAN 2 INCHES TO THE TOP OF THE CURB. 5. BUILDING ADDRESS SHALL BE CAST IN FACE OF CURB (3" TALL DIGITS) IN ALL NEW AND RECONSTRUCTED RESIDENTIAL AND COMMERCIAL DRIVEWAY, THE ADDRESS SHALL BE LOCATED AT THE INTERSECTION OF THE FULL CURB FACE WITH THE APRON TAPER. 6. AT THE CENTERLINE OF THE DRIVEWAY, THE SLOPE BETWEEN THE ROADWAY SURFACE AT A POINT 5 FEET FROM THE GUTTER FLOWLINE TO A POINT 10 FEET FROM THE SAME POINT IN THE GUTTER FLOWLINE INTO THE DRIVEWAY APPROACH, SIDEWALK OR DRIVEWAY APRON SHALL NOT EXCEED 15%. WIDEN OR MEANDER SIDEWALK AT OBSTRUCTIONS (INCLUDING DRIVEWAYS) TO MAINTAIN 5 FOOT MINIMUM CLEARANCE TO ANY PEDESTRIAN OBSTRUCTION SUCH AS A SIGN, FIRE HYDRANT, UTILITY POLE OR OTHER VERTICAL CONSTRUCTION. 8. DRIVEWAY CONCRETE THICKNESS & REINFORCEMENT SHALL CONFORM TO TABLES 2 & 3 BELOW: TABLE 2: DRIVEWAY APPROACH CONCRETE THICKNESS PCC THICK. REINFORCEMENT SEE TABLE 3 AB THICK. TABLE 3: DRIVEWAY REINFORCEMENT TYPE SIZE & SPACING 9. ON RECONSTRUCTION PROJECTS SLOPE MAY BE UP TO 10%. 10. PROVIDE TURN-AROUND IN ACCORDANCE WITH FIRE DEPARTMENT REQUIREMENTS. 11. FIBERMESH SHALL BE POLYPROPYLENE FIBERS, OR EQUIVALENT, 3/4" MINIMUM LENGTH, AT 3.0 LBS/CY (0.02% BY VOLUME).

DRIVEWAY NOTES

SCALE: NONE DRAWN: MPW | CHK: PRC | APPVD; A

SHEET 2 OF 2

STD. NO.

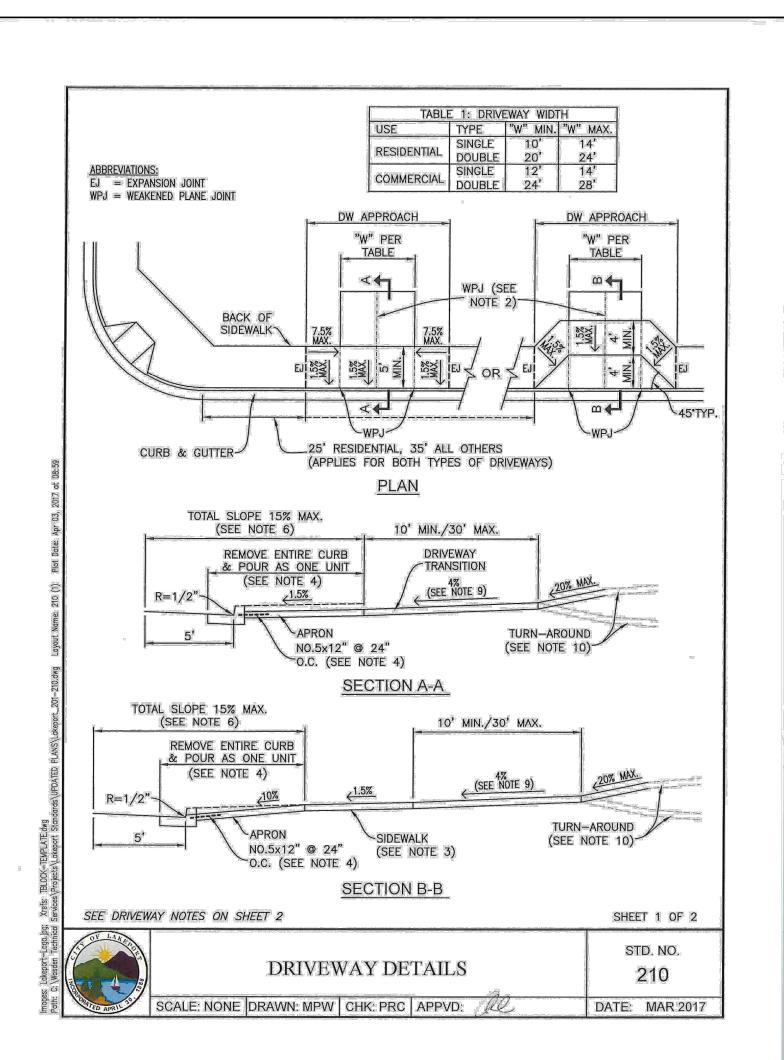
210

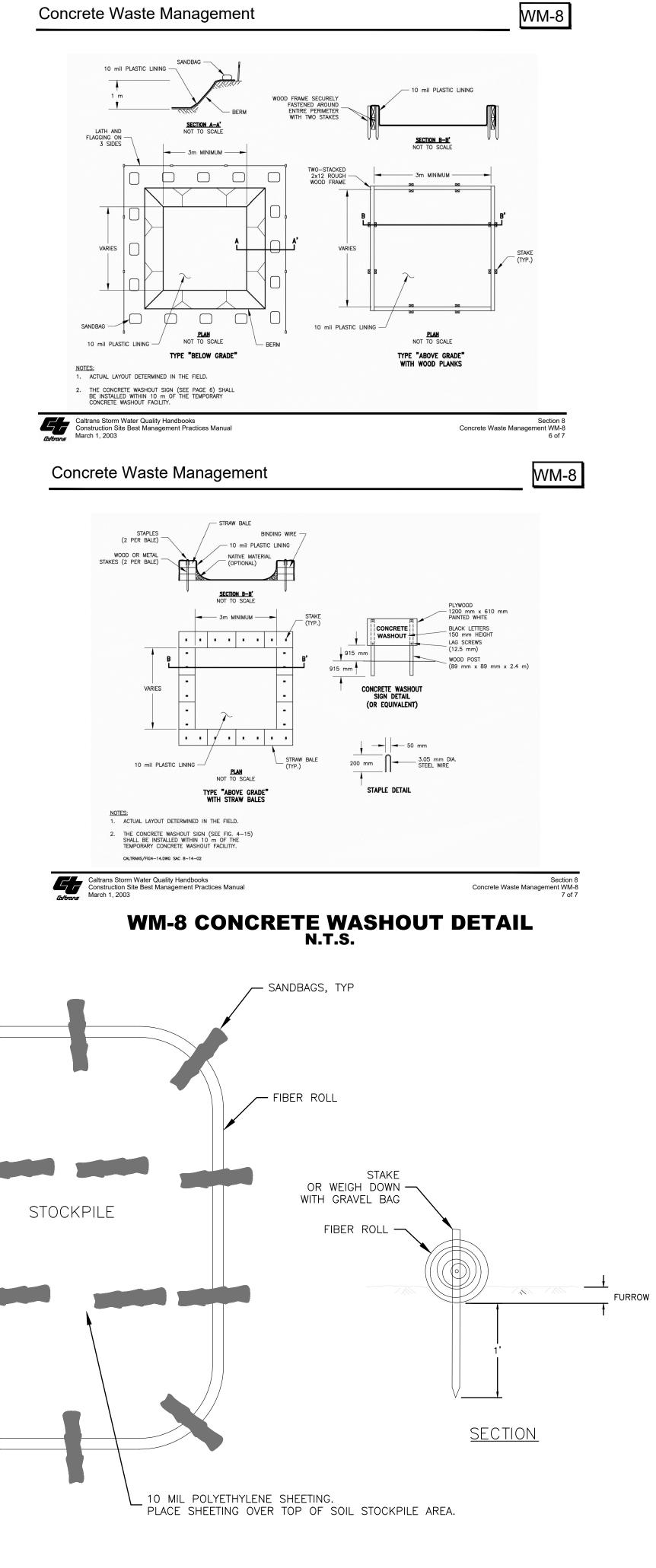
DATE: MAR 2017

CONCRETE FOR DRIVEWAY APPROACHES SHALL BE 1" MAXIMUM AGGREGATE, 6 SACK MINIMUM, 3000

PSI MINIMUM, 4 INCH MAXIMUM SLUMP, PROVIDE MIX DESIGN TO CITY ENGINEER.

DRIVEWAY NOTES:





WM-3 TYPICAL STOCKPILE DETAIL N.T.S.

ROOMERS ON THE SANTAROSA • CHICO

AGENCY APPROVAL

DET,

REVISIONS
NO. DATE PURPOSE

DRAWN BY • GG/CSC

DRAWN BY • GG/CSC

CHECKED • CCM

SCALE • 1" = 20'

DATE • 04.05.2022

JOB • 9611.00

CIVIL DETAILS

SHEET

CONCRETE CONSTRUCTION NOTES:

- . These notes are applicable to all concrete construction including curb; curb & gutter; sidewalks (Std. Plan 205); driveways (Std Plan 210) cross gutters (Std Plan 218); bus pads (Std. Plan 211) or other miscellaneous surface concrete improvements in the City right of
- All concrete shall be jointed per Standard Plan 209. Deepening of joints by saw cutting shall be performed after the concrete has sufficiently set to prevent damage by prior to 24 hours after placement. Concrete which has uncontrolled cracking (within 1 year of installation) due to failure to comply with jointing requirements shall be removed and replaced at the contractor's expense.
- 3. Concrete shall conform to Section 90 of the latest edition of the Caltrans Standard Specifications and as follows:

Facility Type	Max. Aggregate Size	Concrete Strength (PSI)		Min. Cementitious Material (Ibs)	Max. Slump (inches)
Sidewalk Curb/Curb & Gutter		2500	1.5 lbs/yd (0.01%)	470	5
Driveway Cross Gutter	1"	3000	3.0 lbs/yd (0.02%)	564	4
Bus Stop			(0.0278)		3

- 4. Steel reinforcement shall conform to Section 52 of the latest edition of the Caltrans Standard Specifications, Grade 40 or 60.
- 5. Fibermesh shall be polypropylene fibers or equivalent, 3/4" minimum length, and thoroughly mixed into the concrete.
- 6. Unless otherwise approved in writing by the City Engineer or Building Official, concrete surfaces shall receive a uniform medium broom finish.
- Rebar dowels are required at all cold joint or ties to existing concrete facilities. 18" x 1/2" deformed bar dowels. Dowels may be wet set into concrete between placements or shall be embedded a minimum 8 inches into the existing concrete sidewalks, curbs, gutter, cross gutters, bus stops, etc. The dowel shall be fully inserted and cemented in place with 2 part epoxy (Simpson SET Epoxy Adhesive) or equivalent. Dowels shall have a maximum spacing of 18 inches with 2 minimum per location required.
- 8. Expansion joints consisting of 1/4 inch thick preformed joint filler. Finish concrete adjacent to expansion joints with an edger tool. Expansion joints shall be placed at curb returns, interior corners of islands, and every 40 lineal feet. Shape filler to match concrete surface.
-). Subgrade preparation shall consist of scarifying: moisture conditioning to $\pm -2\%$ of optimum, and compacting the top 6 inches of native material to 90% to 95% relative compaction.

SCALE: NONE DRAWN: MPW | CHK: PRC | APPVD:

NOTES CONTINUE ON SHEET 2

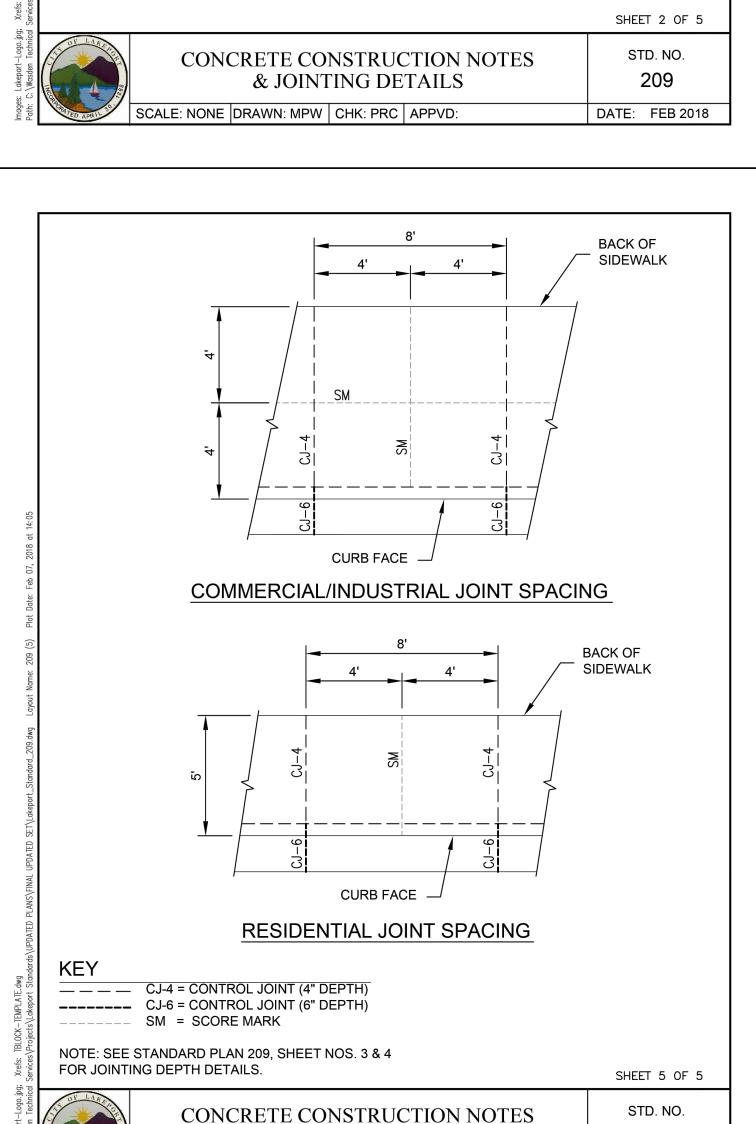
SHEET 1 OF 5 STD. NO. CONCRETE CONSTRUCTION NOTES & JOINTING DETAILS

DATE: FEB 2018

CONCRETE CONSTRUCTION NOTES (Continued):

- 10. Aggregate base shall be placed to the depth indicated on the applicable Standard Plan. Aggregate base shall be Class 2 aggregate base per Caltrans Standard Specification Section 26. The aggregate base shall be moisture conditioned to optimum or above and compacted to 90% to 95% relative compaction. Compaction shall be per ASTM D1557 or CT 216 laboratory density and CT 231 or ASTM D6938.
- 11. All curb ramps shall comply with most current California accessibility requirements and Caltrans Standard Plan requirements. Truncated domes shall be Armor—Tile brick red color unless an equal product is approved in writing by the City Engineer or Building Official.
- 12. The gap between the subgrade and bottom of the form boards shall not exceed 2 inches. Mushroom concrete excreted under the forms shall be removed prior to backfilling.
- 13. At trees or other obstructions, a minimum width of 42 inches shall be maintained between the edge of the sidewalk and the obstruction. If the obstruction is wider than 12 inches, the minimum width shall be 48 inches.
- 14. Where the sidewalk is being replaced due to tree root damage, special construction is required. Concrete elevation adjustments shall be approved by the City Engineer or Building Official prior to the work being performed. Aggregate base shall be replaced with coarse sand. No. 3 longitudinal reinforcement shall be placed on 16 inch centers. The reinforcement shall be extended to a minimum of 15 feet to each side of the tree. In addition, fibermesh shall be used in the concrete. The maximum longitudinal sidewalk slope shall be 4.5%. Expansion joints shall be centered on the trees with the rebar extending through the expansion joint material.

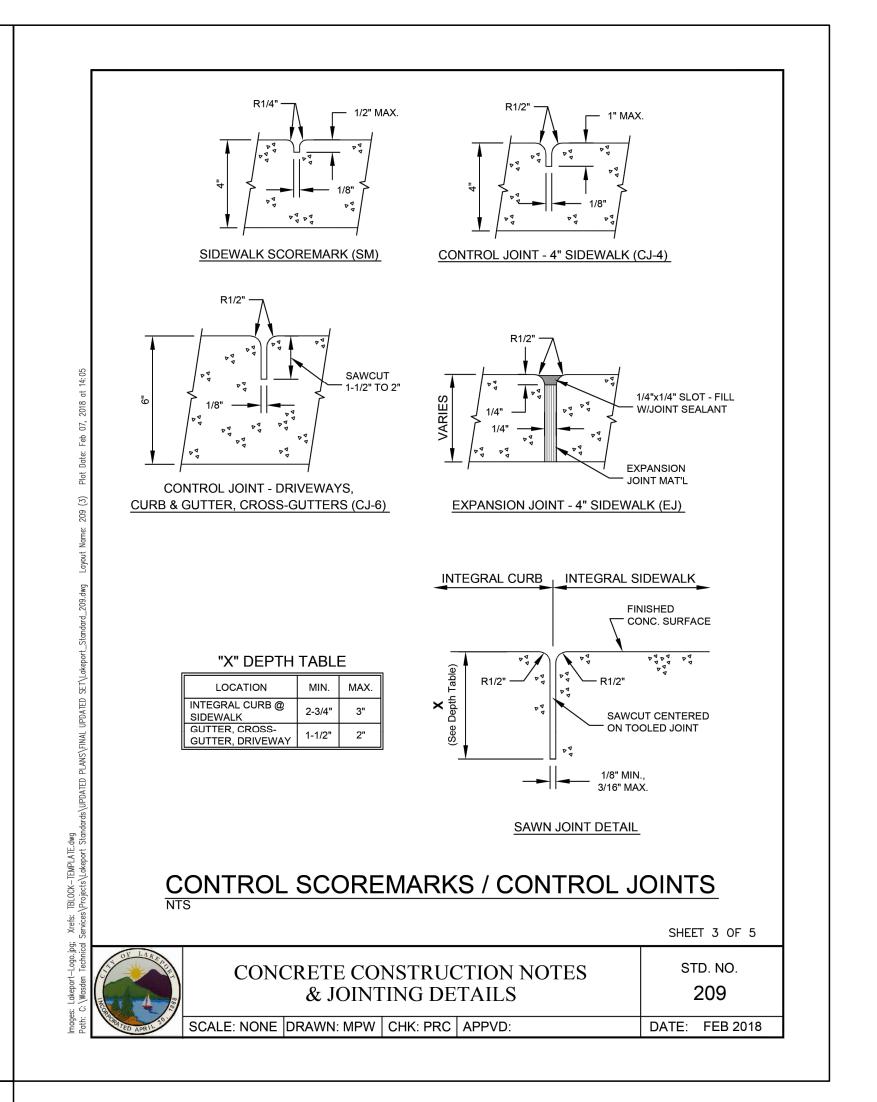
Ses/Pr		
Servi		SHEET 2 OF 5
C: \Wasden Technical	CONCRETE CONSTRUCTION NOTES & JOINTING DETAILS	STD. NO. 209
iii 😘	SCALE: NONE DRAWN: MDW CHK: DRC ADDVD:	DATE: FER 2018

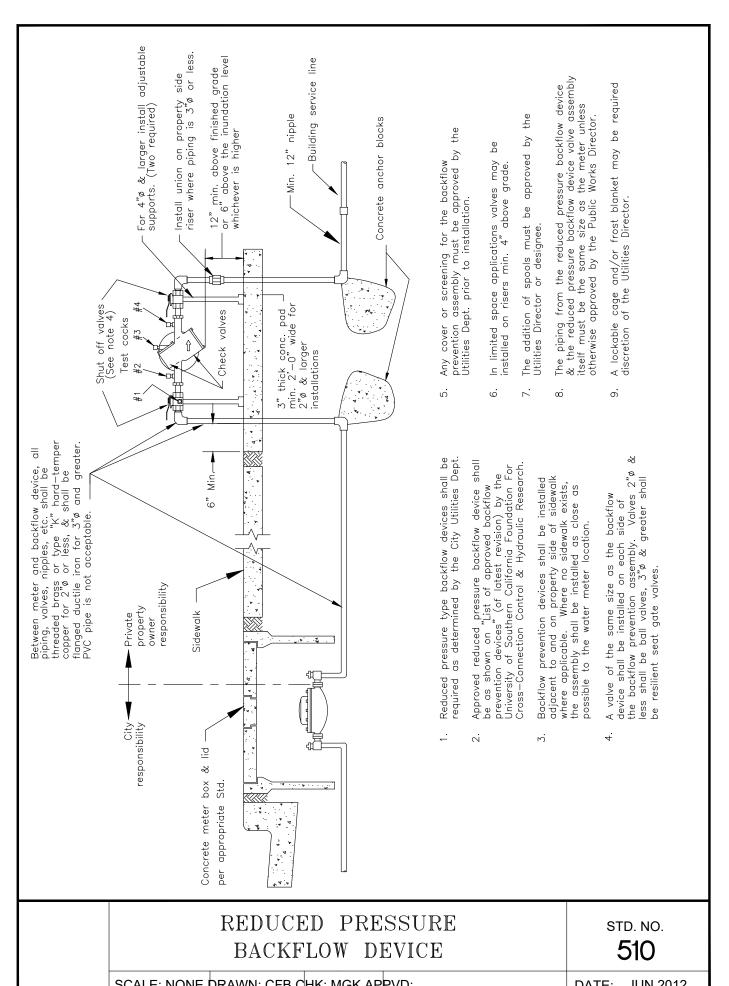


& JOINTING DETAILS

DATE: FEB 2018

SCALE: NONE DRAWN: MPW | CHK: PRC | APPVD:





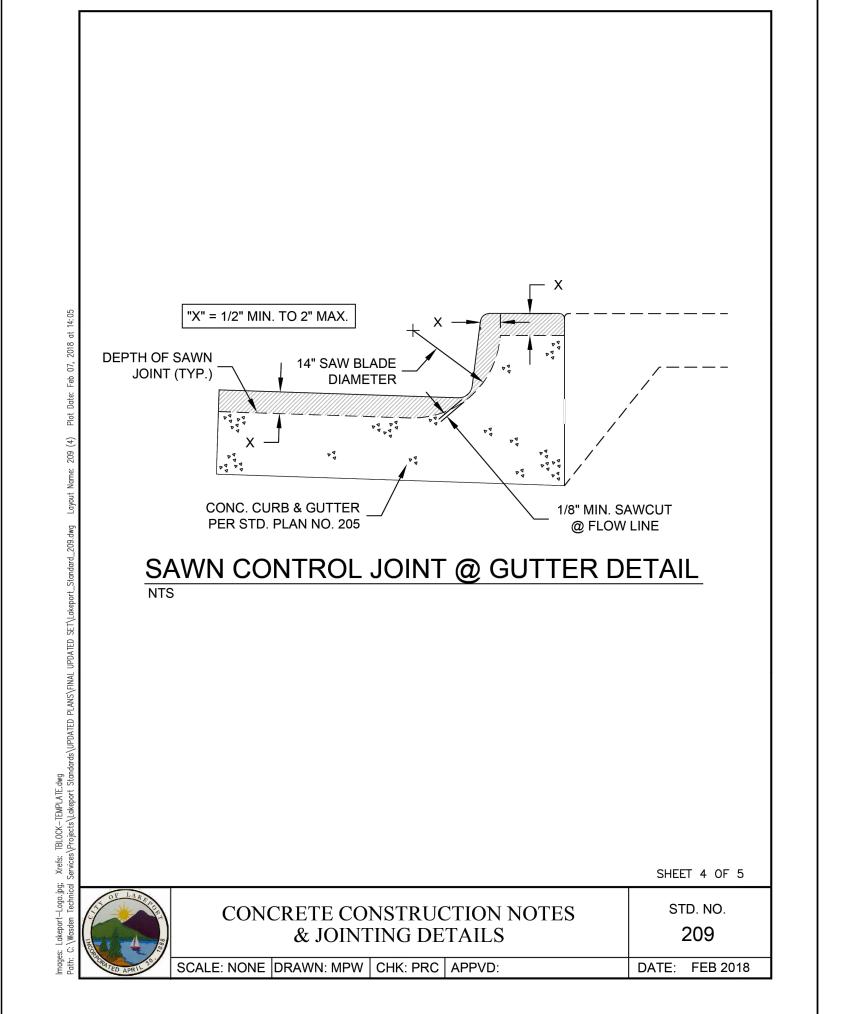


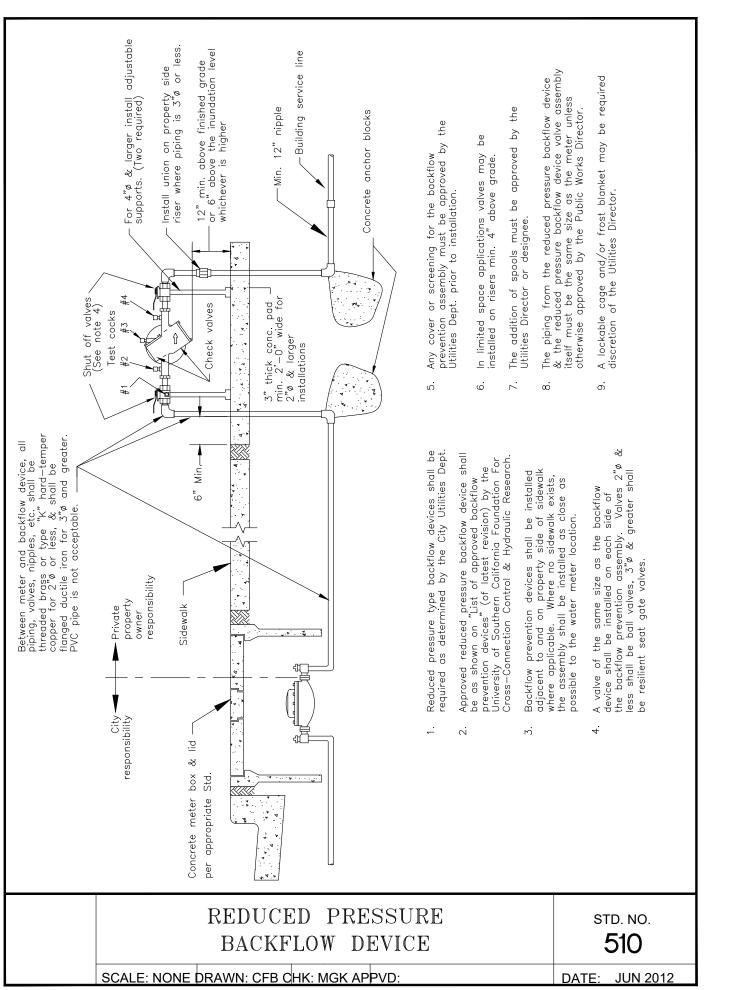
AGENCY APPROVAL

DRAWN BY GG/CSC CHECKED SCALE 04.05.2022

CIVIL DETAILS

JOB





MATERIAL SPECIFICATIONS

STRUCTURAL STEEL & MISCELLANEOUS IRON:

PIPE POSTS...... ASTM A53 Gr. B

HSS SQUARE OR RECTANGULAR SECTIONS...... ASTM A500 Gr. B (Fy = 46 ksi)

E70XX

CHAIN LINK FENCE POSTS ASTM F1083

OTHER SHAPES AND PLATES ASTM A36

CONCRETE:

WELDING ELECTRODES.

NORMAL WEIGHT, f'c = 3,000 PSI MIN REBAR: ASTM A615, GRADE 60

SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

STRUCTURAL DESIGN CRITERIA

EARTHQUAKE DESIGN CRITERIA: SEISMIC DESIGN CATEGORY

SITE CLASS D
Ss , S1 , SDs , SD1 1.5, 0.6, 1.0, 0.680

WIND DESIGN CRITERIA
BASIC WIND SPEED

BASIC WIND SPEED 92 MPH
WIND EXPOSURE D
RISK CATEGORY II

SOIL DESIGN CRITERIA SPREAD FOOTINGS

ALLOWABLE BEARING PRESSURE 3,000 PSF WITH 1/3 INCREASE FOR WIND OR SEISMIC LOADS

PASSIVE PRESSURE 350 PSF/FT EFP (NEGLECT UPPER 6")

SLIDING FRICTION COEFFICIENT 0.35 x WEIGHT (CONCURRENT WITH PASSIVE PRESSURE)

SOIL DESIGN CRITERIA FOR DRILLED PIERS:

NEGLECT SKIN FRICTION FROM UPPER 2' OF EMBEDMENT

SKIN FRICTION DL 500 PSF
SKIN FRICTION DL + LL + (W OR E) 665 PSF

NEGLECT PASSIVE PRESSURE PASSIVE RESISTANCE STARTS AT GROUND SURFACE

NOTE: BETWEEN BORINGS B1 AND B4 STRUCTURAL DESIGN ASSUMES

THE UPPER 3.5 FEET OF EXISTING FILL MATERIAL IS REPLACED WITH

CLEAR COVER:

1½"

PASSIVE PRESSURE ENGINEERED FILL 350 PSF/FT EFP

PASSIVE RESISTANCE APPLIED OVER TWO PIER DIAMETERS

MINIMUM PIER SPACING THREE PIER DIAMETERS (CENTER TO CENTER)

STRUCTURAL NOTES

GENERAL

Construction and materials shall be as specified and as required by the 2019 California Building Code (CBC) and locally enforced codes and authorities. All articles, materials and equipment shall be installed, applied and connected as directed by the manufacturer's latest written specifications except where otherwise noted. Material notes on the drawings shall take precedence over these Specifications.

In the event certain features of the construction are not fully shown, their construction shall be as shown for similar features. All dimensions shall take precedence over scale shown on the Plans.

It shall be the Contractor's sole responsibility to design and provide adequate shoring, bracing and formwork as required for the protection of life and property during construction.

The Contractor shall examine and check all existing conditions, dimensions, levels and materials and notify the Engineer of any discrepancies before proceeding with the work. Should a discrepancy appear in the Specifications or Drawings, or in the work done by others from the contract documents that affect any work, notify the Landscape Architect or Engineer at once for instruction on how to proceed. If the Contractor proceeds with the work affected without instructions from the Engineer, the Contractor shall make good any resulting damage or defect to the satisfaction of the Engineer. Should a conflict occur in or between Drawings and Specifications, or where detail references on Contract Drawings have been omitted, the Contractor is deemed to have estimated the most expensive materials and construction method involved, unless a written decision of the Engineer has been obtained which describes an alternate method and/or materials.

See landscape, electrical and mechanical drawings for size and location of pipe, vent, duct and other openings and details not shown on the structural drawings. Structural drawings, details, dimensions, etc. shall be checked and verified, by the Contractor, with the landscape drawings. Discrepancies shall be brought to the attention of the Engineer for resolution before proceeding with the work.

FOUNDATION NOTES

The Geotechnical Exploration Technical Memorandum shall be part of the construction documents and shall be kept at the job site at all times. Earthwork and Foundation Construction shall be in strict accordance with all the recommendations of the Geotechnical Exploration Technical Memorandum:

Technical Memorandum
Geotechnical Exploration
Lake Front Park Design
800 North Main Street, Lakeport, California
Assessor's Parcel Numbers 025-601-070 and -080

Prepared by:

LACO Associates, Project No. 9611.00

Dated: August 3, 2020

Minimum footing embedment shall be measured from the lowest adjacent grade.

Drilled piers shall be drilled to the diameters and depths shown on the plans unless determined otherwise by the geotechnical engineer in the field. Upper 3'-6" of soil at piers in the areo of B1 thru B4 shall be removed and replaced with engineered fill unless it is determined by geotechnical engineer that soil is suitable for full load bearing.

Concrete shall not be allowed to mushroom at the top of pies or below the bottom of grade beams.

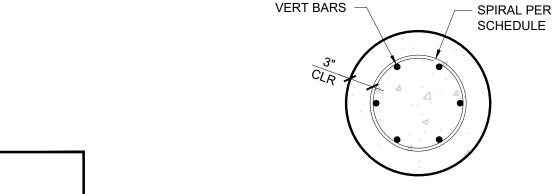
Backfill shall not be placed behind retaining walls until 21 days after placing concrete or grout or until the concrete or grout has developed a compressive strength of not less than 2,100 psi, whichever occurs first. Permeable materials placed behind retaining walls shall be of the type specified in the Geotechnical Investigation.

Contractor shall carefully excavate all materials necessary, of whatever nature, for construction of the work. Any material of an unsuitable or deleterious nature discovered below the bottoms of the foundations shall be brought to the attention of the geotechnical engineer before proceeding with the work. Per Section 5.0 of the Geotechnical Exploration Technical Memorandum, prior to placement and compaction of select fill, undocumented fills and weak and porous surface soils shall be removed to their full depth.

Footings shall bear on and be embedded in engineered fill which has been placed and compacted in strict accordance with the Geotechnical Investigation. Engineered fill and all other requirements shall meet the acceptance criteria listed in the Geotechnical Investigation under Sections "5.0 Conclusions" and "6.0 Recommendations."

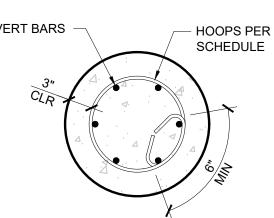
Spread footings shall bear entirely on a minimum of 18 inches of non-expansive select fill. Footings shall extend a minimum of 12 inches below lowest adjacent grade. All footings shall be at least 12 inches (continuous) or 18 inches (isolated) wide. Footings adjacent to existing utility trenches or other footings shall be deepened enough to bear below a 1:1 (horizontal: vertical) plane extending upwards from the bottom edge of utility trench or footing excavation. Additional embedment may be needed to satisfy code and/or structural requirements. On ungraded sloping terrain, footings shall be stepped as necessary to produce level tops and bottoms. The bottoms of all footing excavations shall be thoroughly cleaned out or wetted and compacted using hand-operated tamping equipment prior to placing steel and concrete. This will remove the soils that were disturbed during footing excavations, or restore their adequate bearing capacity, and reduce postconstruction settlements. Footing excavation shall not be allowed to dry before placing concrete. If shrinkage cracks appear in soils exposed in the footing excavations, the soil shall be thoroughly moistened to close all cracks prior to concrete placement. A representative of the project geotechnical engineer shall observe the footing excavations within 24 hours prior to the placement of reinforcing steel and concrete forms to check that they are founded in suitable bearing materials, have been properly cleaned of loose soil, and the proper moisture condition has

All other earthwork shall conform to the requirements of the current Building Code Chapter 33, "Safeguards During Construction" and the recommendations contained within the aforementioned report by the Geotechnical Engineer.



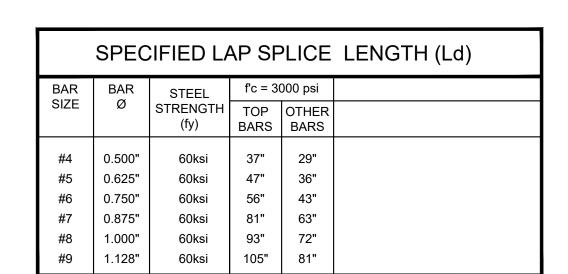
SPIRAL REINFORCEMENT: THREE EXTRA TURNS SHALL BE PROVIDED AT EACH END OF THE SPIRAL UNIT. SPLICES SHALL BE 18" MINIMUM IN LENGTH IF NEEDED.

SPIRALS



CIRCULAR TIES (HOOPS): ENDS OF HOOPS SHALL OVERLAP 6" MINIMUM AND TERMINATE WITH STANDARD HOOKS THAT ENGAGE A VERTICAL PIER BAR. TIE OVERLAPS SHALL BE STAGGERED.

CIRCULAR TIES



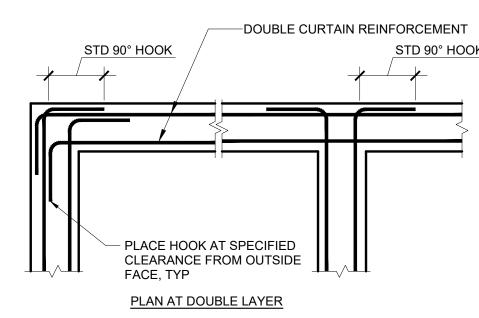
SPECIFIED CONCRETE COVER OVER REINFORCING BARS

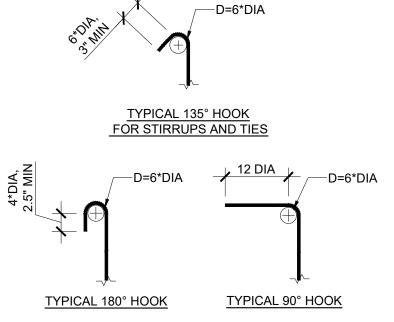
USE CLEAR COVER SPECIFIED BELOW

UNLESS NOTED OTHERWISE ON PLANS OR DETAILS

CAST AGAINST & PERMANENTLY EXPOSED TO EARTH

FORMED, EXPOSED TO EARTH OR WEATHER





REBAR LAP SPLICE SCHEDULE AND TYPICAL REINFORCING DETAILS



ABBREVIATIONS

AB	Anchor Bolt	HDR	Header
ACI	American Concrete Institute	HORIZ	Horizontal
AISC	American Institute of Steel Construction	ID	Inside Diameter
AITC	American Institute of Timber Constr.	IN	Inch
ALT	Alternate	JST(S)	Joist(s)
APA	American Plywood Association	KP `´	King Post
APPROX	Approximately	L	Angle
ARCH	Architect	LB	Pound
ASTM		LL	Live Load
	American Society for Testing & Materials	LTWT	
AVG	Average		Light Weight
BLDG	Building	MAX	Maximum
BLK(G)	Block(ing)	MB	Machine Bolt
BM	Beam	MECH	Mechanical
BN	Boundary nailing	MISC	Miscellaneous
ВОТ	Bottom	MIN	Minimum
BTWN	Between	MTL	Metal
BVL	Bevel	NS&FS	Near Side And Far Side
С	Channel	NTS	Not To Scale
CANT	Cantilever	OC	On Center
CB	Carriage Bolt	OD	Outside Diameter
		P	
CBC	California Building Code		Post
CC	Center to Center	PERT	Pre-Engineered Roof Truss
CJ	Control Joint	PJP	Partial Joint Penetration
CL	Center Line	PL	Plate
CLG	Ceiling	PLY	Plywood
CLR	Clear, Clearance	PMR	Per Manufacturers Recommendations
CMU	Concrete Masonry Unit	PSF	Pounds per Square Foot
COL	Column	PSI	Pounds per Square Inch
CJP	Complete Joint Penetration	PTDF	Preservative Treated Douglas Fir
CONC	Concrete	R	Radius
CONN	Connection	RC	Relative Compaction
CONT	_	REINF	Reinforcement
	Continuous	REQD	
CSLM	Controlled Low Strength Material		Required
CTR	Center	RET	Retaining
CVR	Cover	R&R	Remove And Replace
DBL	Double	RJ	Roof Joist
DEG	Degree	RR	Roof Rafter
DET	Detail	RS	Rough Sawn
DF	Douglas Fir	RWD	Redwood
DIA	Diameter	SAD	See Architectural Drawings
DIAG	Diagonal	SCH	Schedule
DIM	Dimension	SECT	Section
DL	Dead Load	SEL	Select
DN	Down	SF	Square Foot
		SHRWL	Shear wall
DWG	Drawing		
EA 	Each	SHTG	Sheathing
EF 	Each Face	SIM	Similar
EL	Elevation	SLD	See Landscape Drawings
ELEV	Elevation	SPEC	Specifications
EN	Edge Nail	SQR	Square
ENGR	Engineer	STD	Standard
EOR	Engineer Of Record	STL	Steel
ES	Each Side	STRUCT	Structural
EW	Each Way	T	Tee Section
EX	Existing	T/O	Top Of
EXT	•		·
	Exterior	T&G	Tongue And Groove
FG	Finish Grade	T&B	Top And Bottom
FJ	Floor Joist	TN	Toe Nail
FLR	Floor	TOC	Top Of Concrete
FN	Field nailing	TOF	Top Of Footing
FDN	Foundation	TOS	Top Of Steel
FOC	Face Of Concrete	TOW	Top Of Wall
FOS	Face Of Steel/Stud	TYP	Typical
FRMG	Framing	UNO	Unless Noted Otherwise
FS	Finsihed Surface	VERT	Vertical
FT	Foot or Feet	VIF	Verify In Field
FTG			
	Footing	W	Wide flange steel beam
GA	Gauge	W/	With
GALV	Galvanized	W/O	Without
GLB	Glulam Beam	WP	Work Point
HD	Holdown	WWF	Welded Wire Fabric
HSS	Hollow Structural Section		

DESCRIPTION	POST/ COLUMN	HEIGHT	SPACING	PIER Ø x DEPTH	PIER VERT REINFORCING	PIER TIE REINFORCING	DETAIL REFERENCE / REMARKS
6' CHAIN LINK FENCE W/ SLATS (LINE POSTS)	5" ASTM F1083	6'-0" MAX	10'-0" MAX	18"Ø x 5'-0"	NOT REQ'D	NOT REQ'D	DETAIL 6/S2
6' CHAIN LINK FENCE W/ SLATS (END POSTS)	6" ASTM F1083	6'-0" MAX	NOT APPLICABLE	18"Ø x 5'-0"	NOT REQ'D	NOT REQ'D	DETAIL 6/S2
6'-6" x18'-0" CHAIN LINK DOUBLE SWING GATE W/ SLATS (GATE POSTS)	6" ASTM F1083	6'-0" MAX	NOT APPLICABLE	18"Ø x 7'-0"	NOT REQ'D	NOT REQ'D	DETAIL 6/S2
8' CHAIN LINK FENCE AT BASKETBALL COURT (LINE POSTS)	3" ASTM F1083	8'-0" MAX	10'-0" MAX	16"Ø x 4'-6"	NOT REQ'D	NOT REQ'D	DETAIL 6/S2
8' CHAIN LINK FENCE AT BASKETBALL COURT (END POSTS)	3½" ASTM F1083	8'-0" MAX	NOT APPLICABLE	16"Ø x 4'-6"	NOT REQ'D	NOT REQ'D	DETAIL 6/S2
16 FT LIGHT POLE	NOTE 4	16'-0" MAX	NOT APPLICABLE	24"Ø x 4'-0"	(8) #5	#3 SPIRALS @ 5" PITCH	DETAIL 1/S2 & DETAIL 2/S2
16 FT LIGHT POLE ON PLINTH	NOTE 4	16'-0" MAX ON 3'-0" PLINTH	NOT APPLICABLE	24"Ø x 4'-0"	(8) #5	#3 SPIRALS @ 5" PITCH	DETAIL 1/S2 & DETAIL 3/S2
20 FT LIGHT POLE ON PLINTH	NOTE 4	20'-0" MAX ON 3'-0" PLINTH	NOT APPLICABLE	24"Ø x 4'-0"	(8) #5	#3 SPIRALS @ 5" PITCH	DETAIL 1/S2 & DETAIL 3/S2
BASKETBALL POST	NOTE 4	10'-0" MAX	NOT APPLICABLE	36"Ø x 4'-6"	(8) #5	#3 SPIRALS @ 5" PITCH	DETAIL 1/S2 & DETAIL 8/S2
ARBOR COLUMNS	HSS6x6x1/4 ASTM A500 GR. B	9'-2" MAX	NOT APPLICABLE	24"Ø x 5'-0"	(8) #5	#3 SPIRALS @ 4" PITCH	DETAIL 1/S2 & DETAIL 5/S2
PERGOLA COLUMNS	HSS8x8x3/8 ASTM A500 GR. B	9'-2" MAX	NOT APPLICABLE	24"Ø x 7'-0"	(8) #5	#3 SPIRALS @ 4" PITCH	DETAIL 1/S2 & DETAIL 4/S2

NOTES:

1. HEIGHT REFERS TO TOTAL HEIGHT ABOVE GRADE, SEE LANDSCAPE PLANS. HEIGHT IS MEASURED FROM LOWEST ADJACENT GRADE TO TOP POST.

2. DEPTH REFERS TO DISTANCE FROM PIER TIP TO LOWEST ADJACENT GRADE.

3. REFER TO STRUCTURAL DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS.4. REFER TO MANUFACTURER'S PRODUCT LITERATURE FOR MEMBER SIZES AND OTHER SPECIFIC DETAILING REQUIREMENTS.

STRUCTURAL POST AND FOOTING SCHEDULE SCALE: NONE

-(1





CIVIL OF CALIFORNIE

TES, ABBREVIATIONS
BAR DETAILS, SCHEDU
EFRONT PARK - 100% SUBMITT

REVISIONS NO. DATE PURPOSE

AGENCY APPROVAL

DRAWN BY • PD

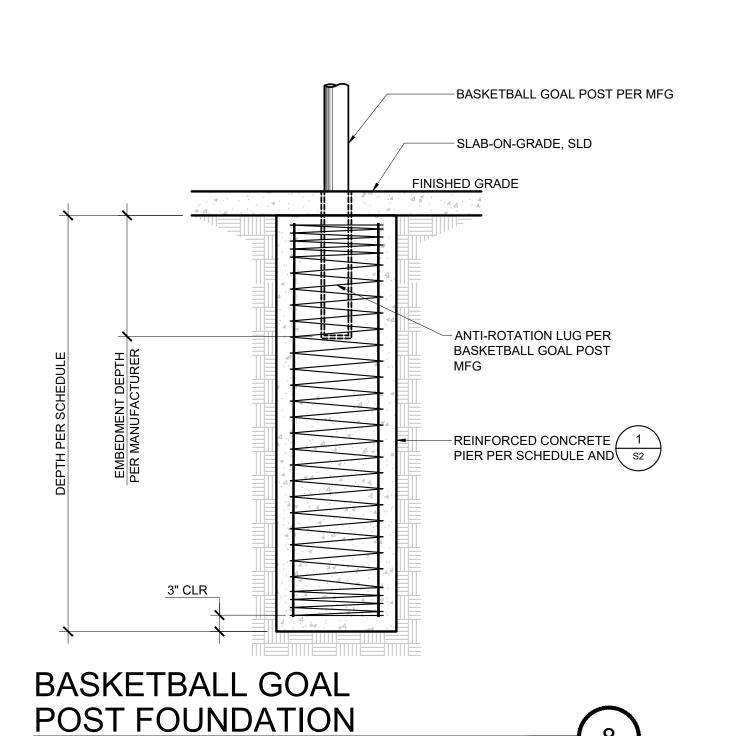
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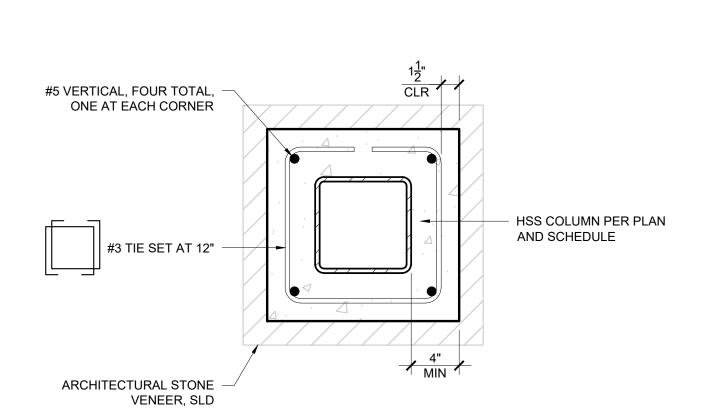
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NOTES & SCHEDULES

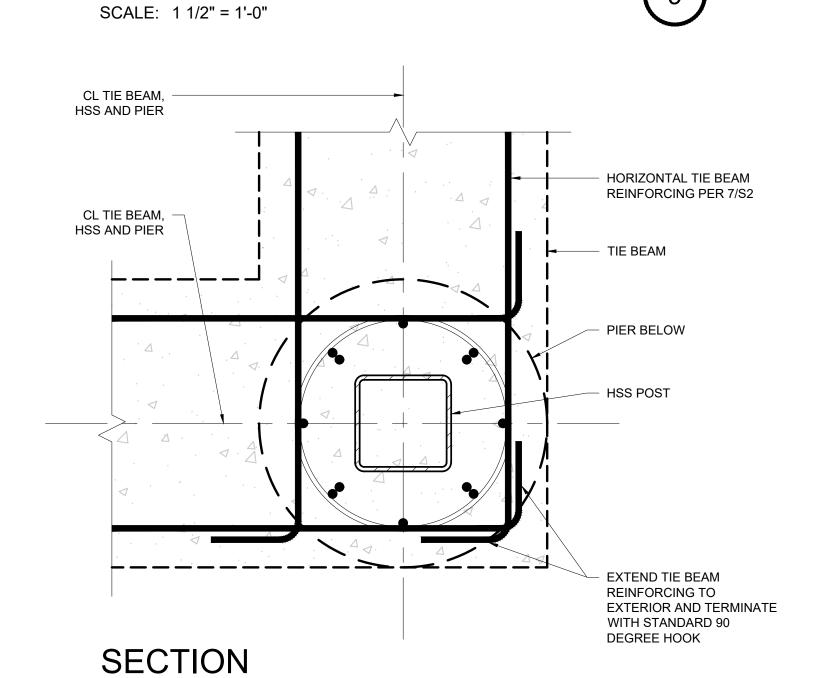
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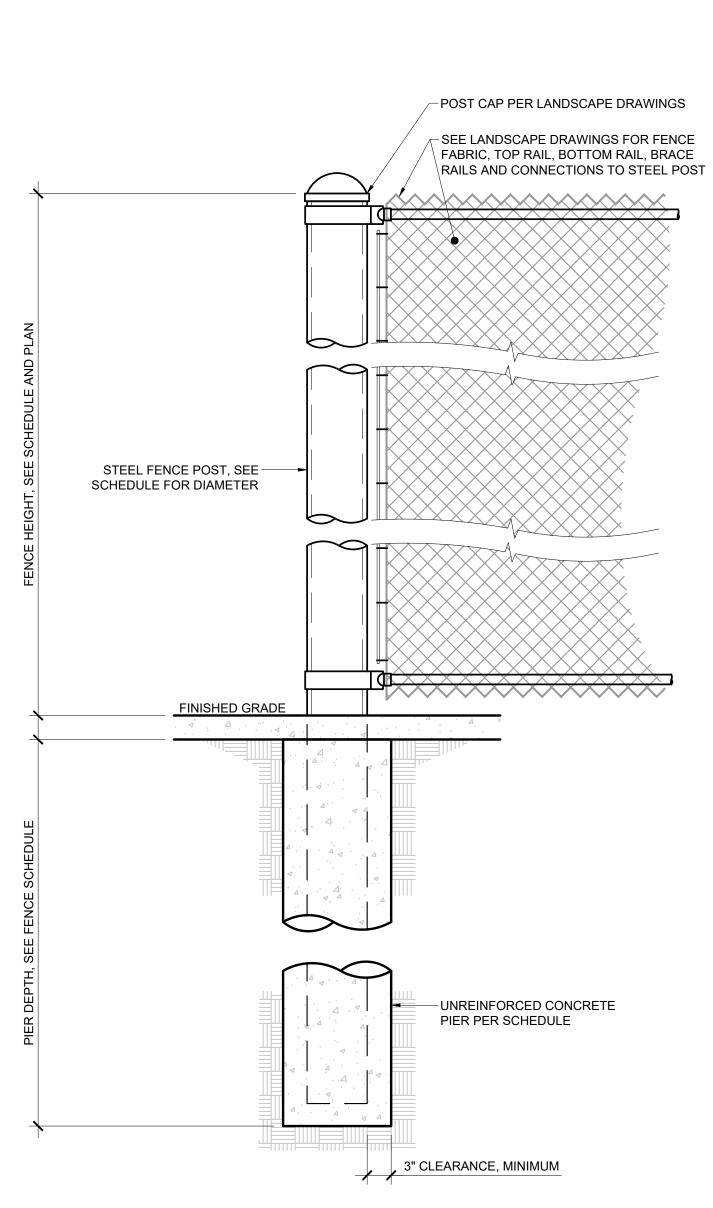
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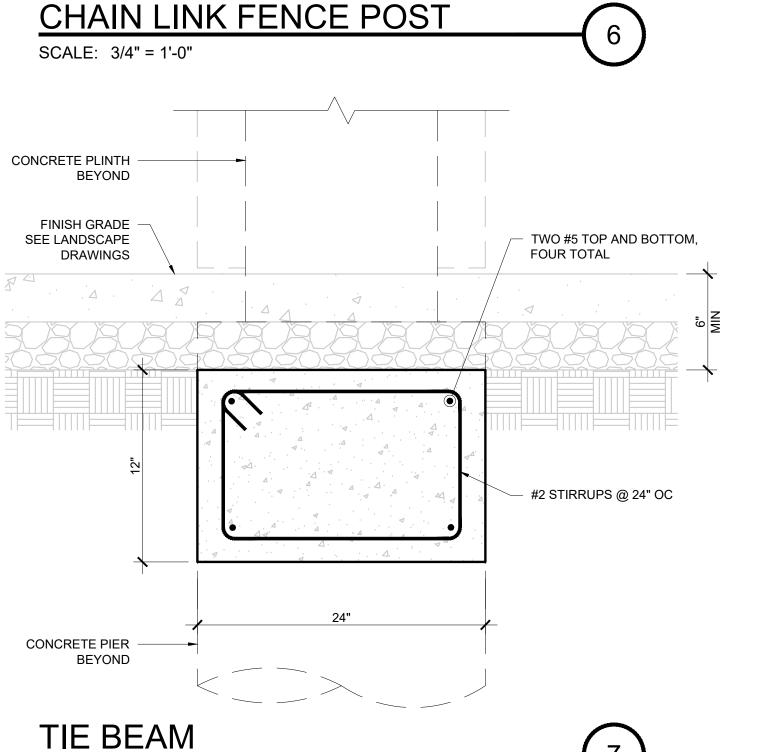
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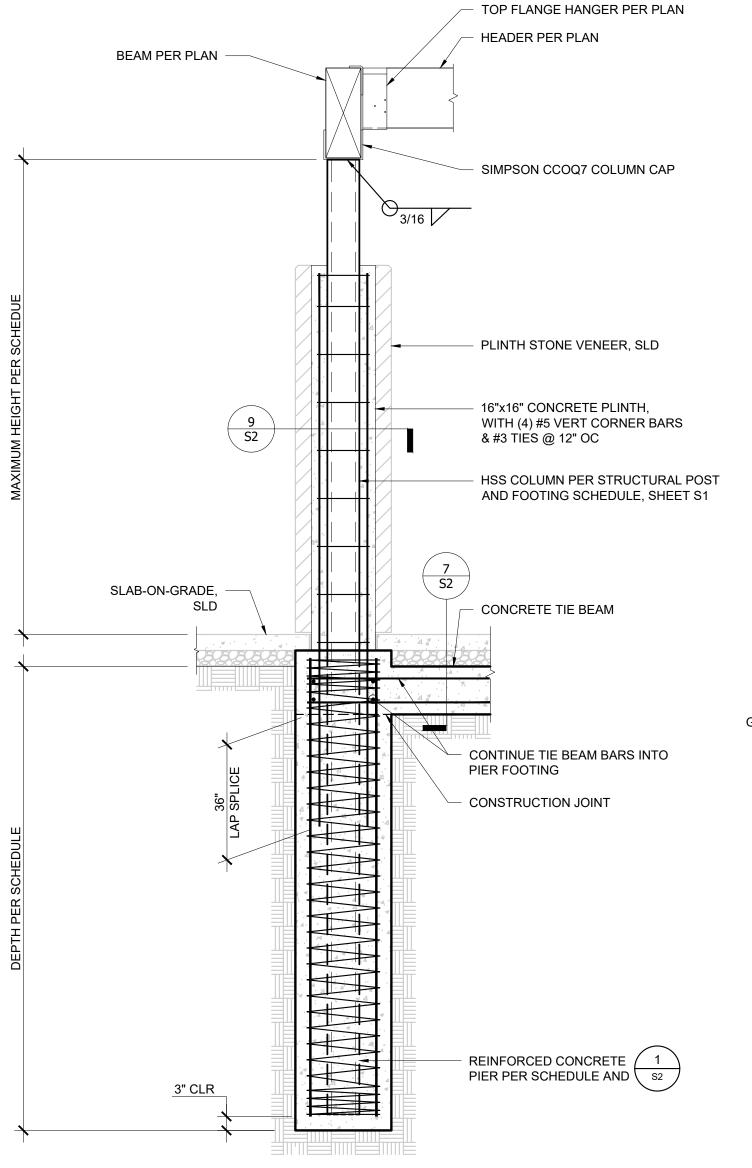
TIE BEAM / PIER INTERSECTION

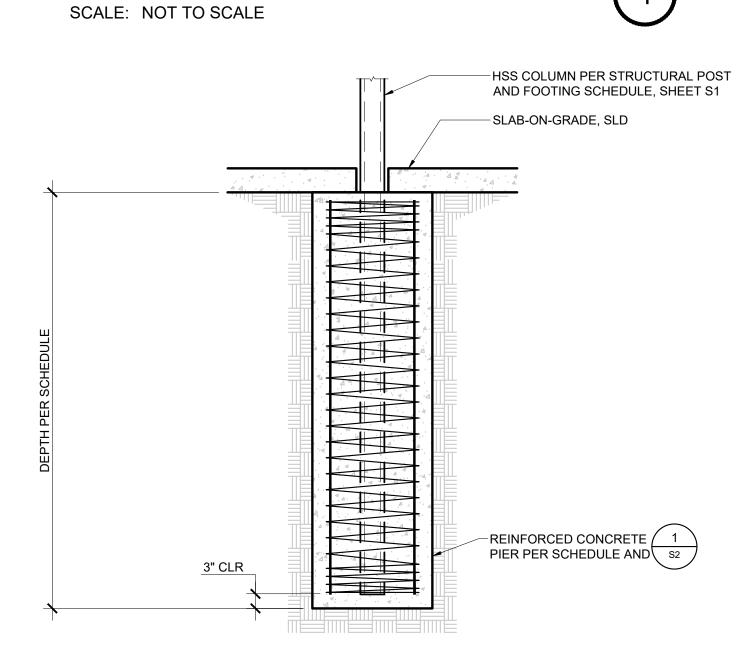
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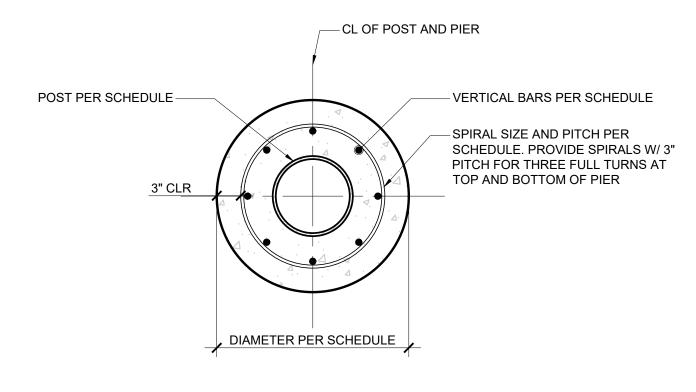
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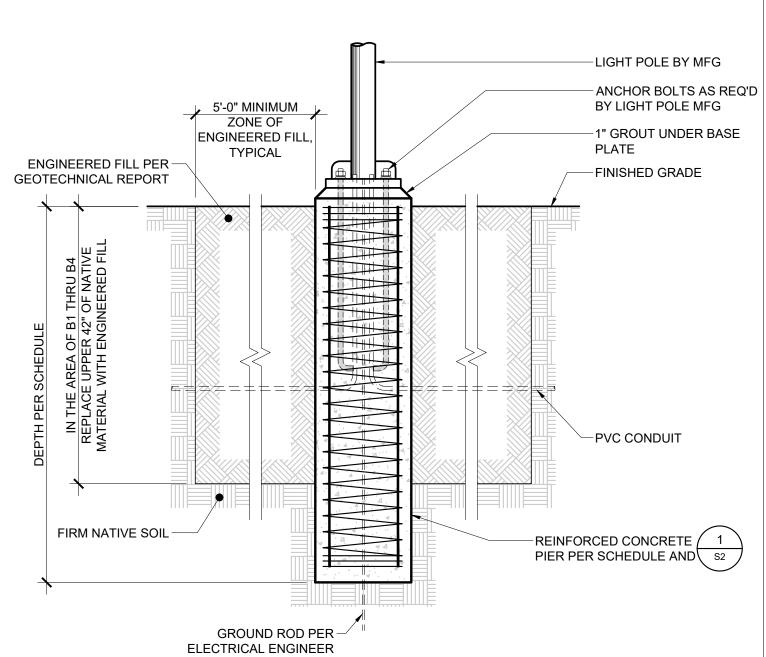


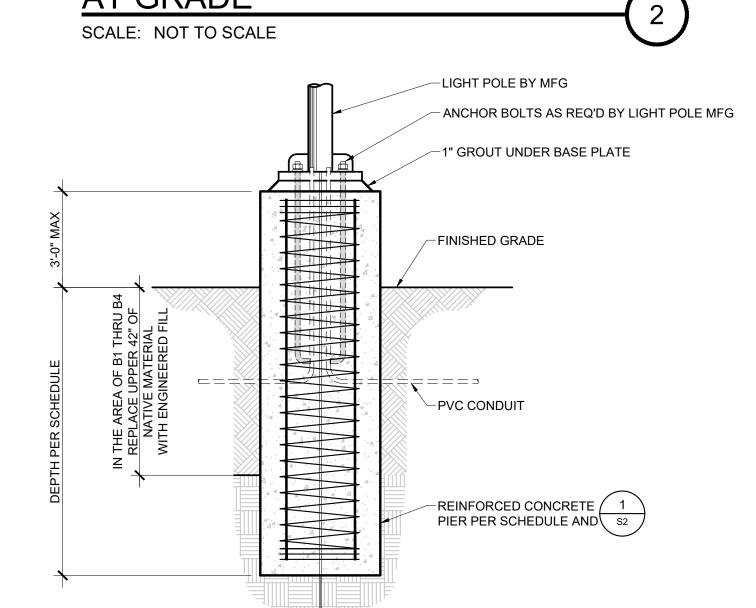
PERGOLA FOUNDATION











LIGHT POLE FOUNDATION

AT GRADE

GROUND ROD PERELECTRICAL ENGINEER

LIGHT POLE FOUNDATION
ELEVATED BASE

SCALE: NOT TO SCALE





DRILLED PIER FOUNDATION DETAILS

AGENCY APPROVAL

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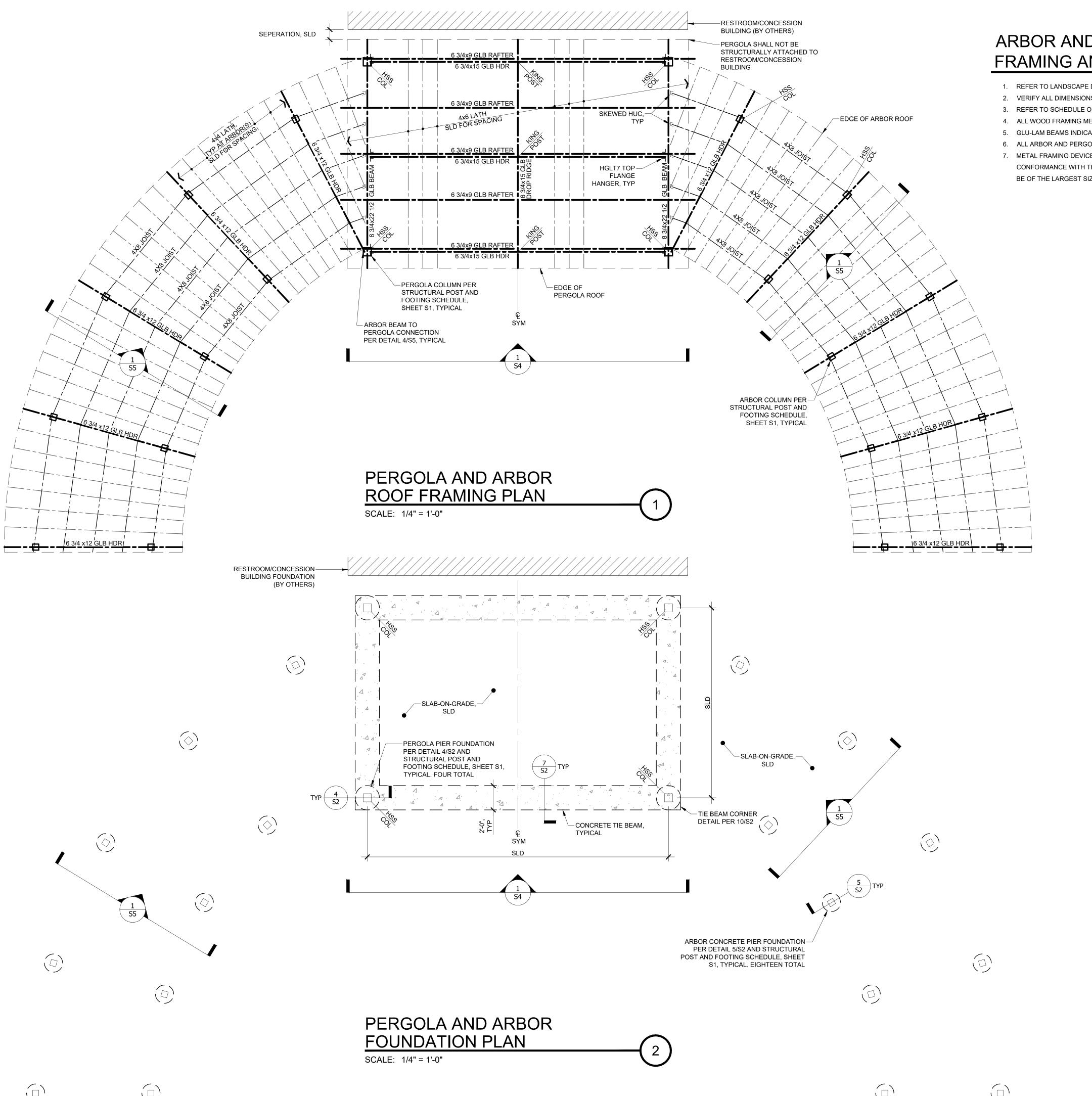
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SCALE • VARIES

DATE • 04.26.2022

FOUNDATION DETAILS

SHEET





1. REFER TO LANDSCAPE DRAWINGS FOR DIMENSIONS, DETAILS AND COMPONENTS NOT SHOWN.

2. VERIFY ALL DIMENSIONS WITH LANDSCAPE DRAWINGS.

3. REFER TO SCHEDULE ON SHEET S1 FOR COLUMN SIZE, PIER DEPTH AND PIER REINFORCING.

4. ALL WOOD FRAMING MEMBERS ARE ALASKAN YELLOW CEDAR UNLESS NOTED OTHERWISE.

5. GLU-LAM BEAMS INDICATED ON FRAMING PLANS ARE 20F-V13 AC/AC, TYPICAL. REFER TO SPECIFICATIONS FOR APPEARANCE REQUIREMENTS.

7. METAL FRAMING DEVICES SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY OR APPROVED EQUAL, INSTALLED IN

CONFORMANCE WITH THE MANUFACTURER'S SPECIFICATIONS. ALL FASTENERS USED FOR ATTACHMENT OF SIMPSON FRAMING DEVICES SHALL BE OF THE LARGEST SIZE AND QUANTITY SPECIFIED IN THE MANUFACTURER'S PUBLISHED SCHEDULES, UNO.





PERGOLA AND ARBOR FRAMING PLA

AGENCY APPROVAL

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SCALE • 1/4"=1'-0"

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STRUCTURAL PLANS

SHEE



PERGOLA DETAILS

AKFERONT PARK - 100% SLIRMITTA

REVISIONS NO. DATE PURPOSE

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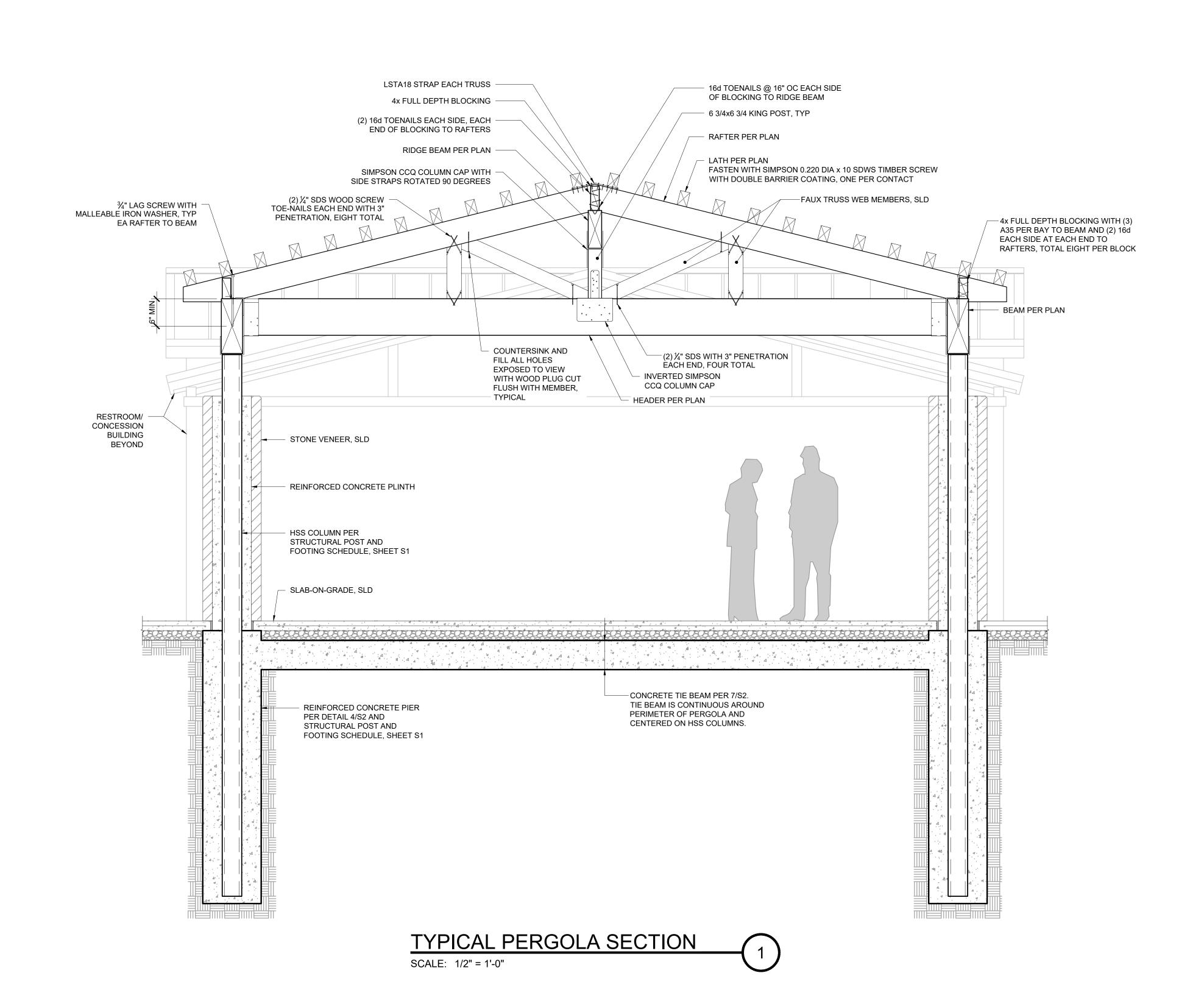
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SCALE • 1/2"=1'-0"

DATE • 04.26.2022

DETAILS

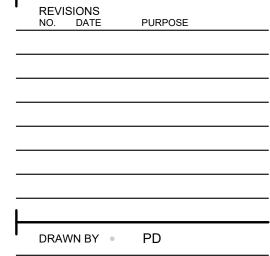
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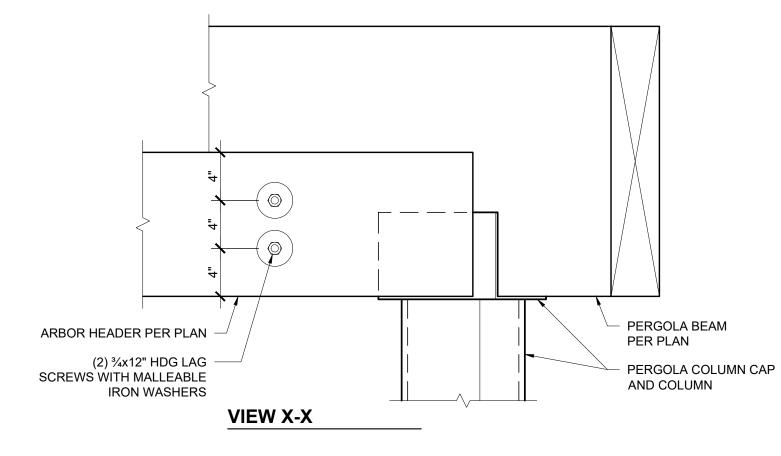


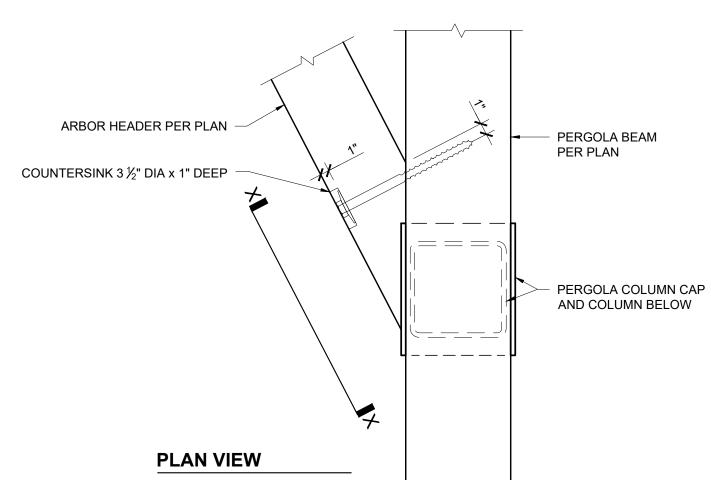
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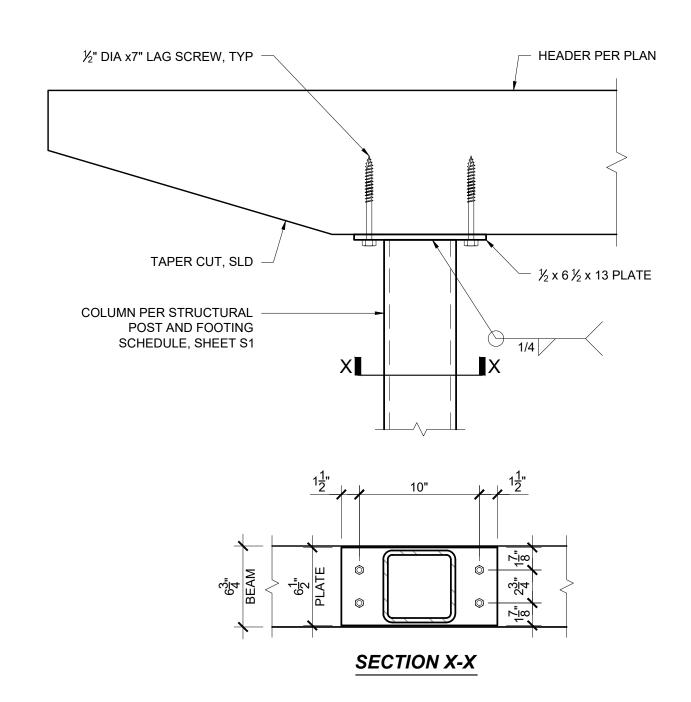
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DETAILS

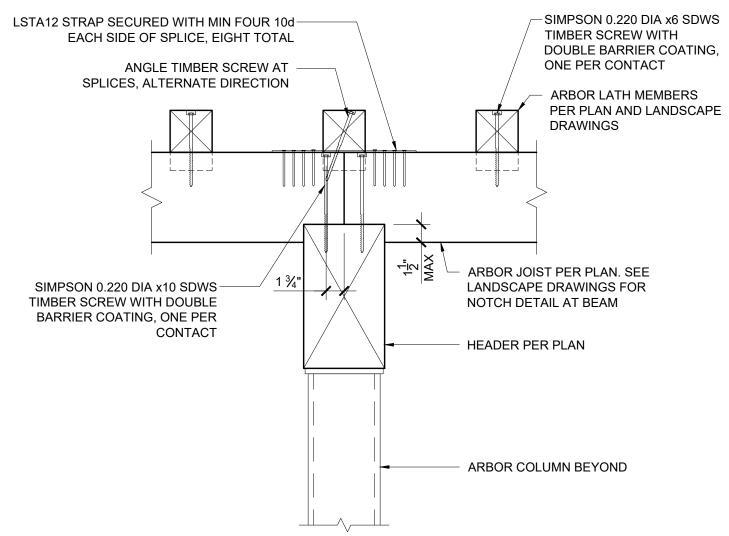




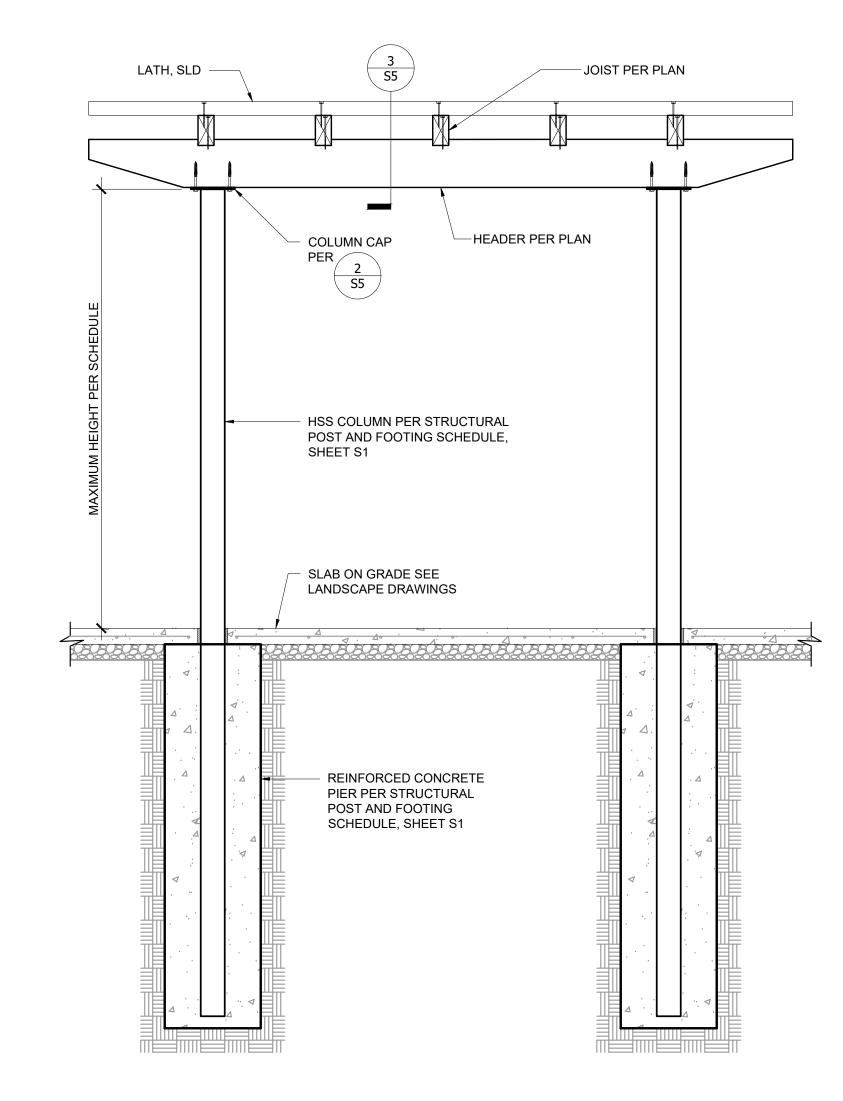












ARBOR CROSS SECTION SCALE: 1/2" = 1'-0"

GENERAL CONSTRUCTION NOTES

- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
- 2. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
- CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
- 5. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.
- 6. ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- 7. CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.
- 8. CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.
- 10. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.
- 11. ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12s WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.

DRC

PC

RC

LCP

DIMMER ROOM CONTROLLER

ROOM LIGHTING CONTROLLER

LIGHTING CONTROL PANEL

DIGITAL DAYLIGHT SENSOR

SINGLE POLE SWITCH **

SINGLE POLE SWITCH, **

a = CIRCUIT CONTROLLED

MANUAL MOTOR STARTER

KEY OPERATED SWITCH **

DIGITAL ON/OFF SWITCH **

DIGITAL DIMMER SWITCH **

DIGITAL DUAL TECHNOLOGY

WALL OCCUPANCY SENSOR **

DIMMING DUAL TECHNOLOGY

DOUBLE SWITCHED WALL OCCUPANCY

WALL SWITCH OCCUPANCY SENSOR **

2-BUTTON DIMMING DUAL TECHNOLOGY

WALL SWITCH OCCUPANCY SENSOR **

WALL OCC. SENSOR **

THREE WAY SWITCH**

FOUR WAY SWITCH**

LIGHTING DIMMER **

DIGITAL MULTI SCENE

PLUG LOAD CONTROLLER

- 12. ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS NOT ALLOWED.
- 13. ALL 120/277V LIGHT SWITCHES AND WALL OCCUPANT SENSORS SHALL HAVE A NEUTRAL INSTALLED TO THE DEVICE BOX EXCEPT WHERE A CONDUIT OR SURFACE RACEWAY SYSTEM IS INSTALLED.
- 14. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
- 15. SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF LIGHTING FIXTURES AND DEVICES. THE
- ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED FIXTURE MOUNTING HARDWARE.
- 18. CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION.
- 19. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING UNDERGROUND SYSTEMS (GAS, WATER, TELEPHONE, ELECTRICAL, SEWER, ETC.). THE CONTRACTOR SHALL REPAIR & PAY ALL EXPENSES FOR DAMAGE TO EXISTING UNDERGROUND SYSTEMS AS A RESULT OF NEW WORK, REPAIR TO DAMAGED UNDERGROUND SYSTEMS SHALL BE TO THE OWNERS SATISFACTION WITHOUT EXTRA EXPENSE TO THE
- 20. CONTRACTOR SHALL COORDINATE WITH PG&E, AT&T & PAY ALL CHARGES FOR TEMPORARY CONSTRUCTION POWER & TELEPHONE.
- 21. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES AND OBTAIN UTILITY COMPANY CONSTRUCTION DOCUMENTS. UTILITY COMPANY CHARGES SHALL BE PAID BY OWNER.

ELECTRICAL SYMBOLS & ABBREVIATIONS

SYMBOLS & ABBREVIATIONS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS. 0 FLUORESCENT OR LED LUMINAIRE -SECURITY DOOR CONTACTS PANELBOARD - FLUSH MOUNTED EQUIPMENT PANEL - FLUSH MOUNTED SECURITY MOTION DETECTOR **EMERGENCY OR NIGHT LIGHT** PANELBOARD - SURFACE MOUNTED STRIP FLUORESCENT OR LED LUMINAIRE -CCTV CAMERA FQUIPMENT PANEL - SURFACE MOUNTED SEE SCHEDULE METER W/ CURRENT TRANSFORMER SECURITY SYSTEM KEYPAD LUMINAIRE - RECESSED - SEE SCHEDULE JUNCTION BOX - CEILING OR WALL MOUNTED, DOOR BELL PUSHBUTTON RECESSED WALL WASHER SIZE PER CODE, TAPE AND TAG WIRES DOOR CHIME WITH LED MOTOR CONNECTION LUMINAIRE - SURFACE MOUNTED -SEE SCHEDULE NON-FUSED DISCONNECT SWITCH RECEPTACLE - DUPLEX * LUMINAIRE - POLE OR POST MOUNTED -FUSED DISCONNECT SWITCH; FUSED WITH SEE SCHEDULE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER -DUAL-ELEMENT FUSES SIZED PER EQUIPMENT FIELD VERIFY HEIGHT MFGR'S NAMEPLATE DATA LUMINAIRE - WALL MOUNTED SEE SCHEDULE GFCI CONVENIENCE RECEPTACLE - DUPLEX★ COMBINATION STARTER/FUSED DISCONNECT SWITCH: FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED BOLLARD OR PATH LIGHT - SEE SCHEDULE GFCI CONVENIENCE DUPLEX RECEPTACLE PER EQUIPMENT MFGRS NAMEPLATE DATA MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT EXIT LIGHT - DIRECTIONAL ARROWS AS MAGNETIC STARTER - NEMA SIZE INDICATED INDICATED - SEE SCHEDULE RECEPTACLE DOUBLE DUPLEX* NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED Q Q QTRACK LIGHTING - SEE SCHEDULE CIRCUIT BREAKER HALF SWITCHED DUPLEX RECEPTACLE * **EMERGENCY LIGHT GROUND ROD WITH GROUNDWELL BOX** SINGLE RECEPTACLE* DIGITAL DUAL TECHNOLOGY **GROUND ELECTRODE** OCC. SENSOR **DUPLEX RECEPTACLE - CEILING MOUNTED** NORMALLY OPEN CONTACT LIGHTING CONTROL OCCUPANCY SENSOR

LETTER INDICATES DUPLEX HALF NORMALLY CLOSED CONTACT CONTROLLED RECEPTACLE * TRANSFORMER - SEE SINGLE LINE FOR SIZE LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE * PULLBOX FLOOR MOUNTED DUPLEX RECEPTACLE FLEX CONDUIT WITH CONNECTION FLOOR MOUNTED BOX CONDUIT - UP

POWER OUTLET - SEE PLANS FOR NEMA TYPE* CONDUIT - DOWN POWER POLE — E — CONDUIT EMERGENCY SYSTEM WALL TELEPHONE OUTLET ** — LV — LOW VOLTAGE WIRING VOICE/DATA WALL OUTLET * SURFACE METAL OR NON-METALLIC RACEWAY VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT CONDUIT - CONCEALED IN WALLS OR CEILING SURFACE MOUNTED VOICE/DATA WALL OUTLET * ----- CONDUIT - EXISTING SURFACE MOUNTED VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT WIRELESS ACCESS POINT (WAP) -CEILING MOUNTED

WIRELESS ACCESS POINT (WAP) -WALL MOUNTED - FIELD VERIFY HEIGHT VOICE/DATA OUTLET - FLOOR MOUNTED TV OUTLET *

VOICE/DATA OUTLET - CEILING MOUNTED INTERIOR SPEAKERS CEILING MOUNTED INTERIOR SPEAKERS WALL MOUNTED

CLOCK +8'-0" AFF U.O.N. VERIFY BEFORE

DETAIL NOTE REFERENCE SYMBOL SEE ASSOCIATED NOTE ON SAME DETAIL

FEEDER DESIGNATION: SEE ASSOCIATED NOTE ON SAME DETAIL

DETAIL NUMBER DETAIL OR SECTION REFERENCE E3.0/K_SHEET NUMBER

INDICATES QUANTITY OF TELEPHONE OUTLETS INDICATES QUANTITY OF DATA OUTLETS

ABBREVIATIONS

<u> </u>	21110110				
Α	AMPERE	GFCI	GROUND FAULT	NTS	NOT TO SCALE
AFF	ABOVE FINISHED FLOOR	GFI	INTERRUPTING	OAH	OVERALL HEIGHT
ALUM/AL	ALUMINUM	GND, G	GROUND	OC	ON CENTER
ARCH	ARCHITECT	GRS	GALVANIZED RIGID	ОН	OVERHEAD
AWG	AMERICAN WIRE		STEEL	PA	PUBLIC ADDRESS
	GAUGE	HT	HEIGHT	PB	PULL BOX
BKR	BREAKER	IC	INTERCOM	PF	POWER FACTOR
С	CONDUIT	IDF	INTERMEDIATE	PH	PHASE
CATV	CABLE TV		DISTRIBUTION FRAME	PIR	PASSIVE INFRARED
CB	CIRCUIT BREAKER	INCAND	INCANDESCENT	PNL	PANEL
CCTV	CLOSED CIRCUIT TV	JB	JUNCTION BOX	PV	PHOTOVOLTAIC
CKT	CIRCUIT	KV	KILOVOLT	PVC	POLYVINYL
CL	CENTER LINE	KVA	KILOVOLT AMPERES		CHLORIDE
CLG	CEILING	KW	KILOWATT	PWR	POWER
C.O.	CONDUIT ONLY	LCP	LIGHTING CONTROL	(R)	EXISTING TO BE REMOVED
CTR	CENTER		PANEL	(RP)	REMOVABLE POLE
D	DIMMER	LTG	LIGHTING	RECPT'S	RECEPTACLES
DIM	DIMENSION	LV	LOW VOLTAGE	REQD	REQUIRED
DIST	DISTRIBUTION	KCM	THOUSAND	REQMT'S	REQUIREMENT(S)
(E)	EXISTING		CIRCULAR MILS	SHT	SHEET
EC	ELECTRICAL CONTRACTOR	M.B.	MAIN CIRCUIT BREAKER	SLD	SINGLE LINE DIAGRAM
(EL)	EVENING LIGHT	MCA		STC	SYSTEMS TERMINATION
		IVICA	MINIMUM CIRCUIT AMPS		CABINET
EM	EMERGENCY	MDF	MAIN DISTRIBUTION FRAME	SW	SWITCH
EMT	ELECTRICAL	MECH	MECHANICAL	SWBD	SWITCHBOARD
	METALLIC TUBING	MH	METAL HALIDE	TTB	TELEPHONE TERMINAL
EQUIP	EQUIPMENT	MLO	MAIN LUGS ONLY		BACKBOARD
EV	ELECTRICAL VEHICLE	MPOE	MAIN POINT OF ENTRANCE	TYP	TYPICAL
FA	FIRE ALARM	MTD	MOUNTED	UON	UNLESS OTHERWISE NOTE
FACP	FIRE ALARM	MTG	MOUNTING	UG	UNDERGROUND
	CONTROL PANEL	MOCP	MAXIMUM OVER	V	VOLT
FC	FOOT CANDLE		CURRENT PROTECTION	VD	VOLTAGE DROP
FIN	FINISH	(N)	NEW	W	WATT
FL	FLOOR	ΝίĆ	NOT IN CONTRACT	W/	WITH
FLA	FULL LOAD AMPS	NIEC	NOT IN ELECTRICAL	WP	WEATHERPROOF
FLUOR	FLUORESCENT		CONTRACT	XFMR	TRANSFORMER
(F)	FUTURE	(NL)	NIGHT LIGHT		
GC	GENERAL CONTRACTOR	NO.	NUMBER		

*+15" A.F.F. TO BOTTOM OF BOX, U.O.N. ** +48" A.F.F. TO TOP OF BOX, U.O.N. [#] NUMBER IN BRACKETS DENOTES NUMBER

OF CABLE DROPS WHEN MORE THAN (2).

LIGHT FIXTURE SCHEDULE

FIXTURE NOTES:

- 1. ALL LED LIGHT FIXTURE DRIVERS SHALL BE ELECTRONIC TYPE, 10% TOTAL HARMONIC DISTORTION MAXIMUM.
- 2. ALL LED LIGHT MODULES SHALL BE ENERGY SAVING 3500° K, 80 CRI MINIMUM, U.O.N. (SEE SPECIFICATIONS FOR MORE INFORMATION).
- 3. ALL LED DRIVERS (AND ASSOC. FIXTS.) SHALL HAVE MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH CALIFORNIA ENERGY COMMISSION STANDARDS AND REQUIREMENTS, WHERE SUCH ARE USED IN CONDITIONED SPACES.
- 4. EXIT SIGNS, EMERGENCY LIGHTS AND LIGHT FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL SUPPLY A MINIMUM DURATION OF 90 MINUTES OF POWER IN THE EVENT OF A POWER OUTAGE/FAILURE.

TYPE	DESCRIPTION	LAMPS	MANUFACTURER	MOUNTING
XA	19"DIA x 39"H DECORATIVE POST TOP LED FIXTURE, 345mA MICROCROSSOVER LUMEN OUTPUT, TYPE 3 DISTRIBUTION, FINISH PER ARCHITECT, 120V. FINISH PER ARCHITECT. MOUNT ON 4" DIA. FLUTED ALUMINUM 16' HIGH POLE, POLE TO BE ORDERED WITH CUSTOM "RBC" WEATHER PROOF COVER OPTION AT + 36" A.F.F. FOR RECEPTACLE. SENSOR CONTROL PROGRAMMABLE (SCP) MOTION SENSOR ADAPTER MOUNTED AT 26" FROM TOP OF POLE. FINISH TO MATCH POLE/FIXTURE.	82.2W LED 4000K	HUBBELL PRMN2 SERIES POLE: DB5-4F16-188 SERIES	E6.2
XB	26" L x 20" W POLE MOUNTED LED LIGHT FIXTURE WITH SHORT ARM MOUNT (A2), DIE-CAST ALUMINUM HOUSING AND DOOR FRAME, TYPE 3 DISTRIBUTION, MOTION RESPONSE AT 50% LOW LUMINAIRE MOUNTED SENSOR, FINISH PER ARCHITECT, 120V. MOUNT ON 4" DIA. ROUND ALUMINUM 20' HIGH POLE WITH 3' BASE.	(1) 74W LED 4000K	PHILIPS GARDCO PUREFORM P26-IMRI SERIES POLE: RA4-CB-020 SERIES	4 E6.1
XB1	SAME AS FIXTURE TYPE "XB" EXCEPT WITH (2) FIXTURE HEADS 180° APART. POLE SHALL BE PROVIDE WITH HARDWARE FOR (2) FIXTURE HEADS. SEE PLANS FOR FIXTURES THAT REQUIRE ¾"DIA HOLE WITH THREADED NIPPLE COUPLING AT 15' UP HIGH ON POLE.	(2) 74W LED 4000K	PHILIPS GARDCO PUREFORM P26-IMRI SERIES POLE: RA4-CB-020 SERIES	4 E6.1
XC	26" W. x 34" L. POLE MOUNTED LED LIGHT FIXTURE WITH 12" ARM MOUNT, DIE-CAST ALUMINUM HOUSING AND DOOR FRAME, TYPE 4 DISTRIBUTION, FINISH PER ARCHITECT, 120V. MOUNT ON A 4" DIA. ROUND ALUMINUM 16' HIGH POLE WITH 3' BASE. SEE PLANS FOR FIXTURES THAT REQUIRE ¾"DIA HOLE WITH THREADED NIPPLE COUPLING AT 15' UP HIGH ON POLE.	(1) 435W LED 4000K	SPAULDING LIGHTING ARCEOS ARA SERIES POLE: RSA-16-40-C SERIES	3 E6.2
XC1	SAME AS FIXTURE TYPE "XC" EXCEPT WITH (2) FIXTURE HEADS 180° APART. POLE SHALL BE PROVIDE WITH HARDWARE FOR (2) FIXTURE HEADS.	(2) 435W LED 4000K	SPAULDING LIGHTING ARCEOS ARA SERIES POLE: RSA-16-40-C SERIES	3 E6.2

LIGHT FIXTURE SCHEDULE CONTINUED

TYPE	DESCRIPTION	LAMPS	MANUFACTURER
XD	12" L SURFACE/WALL MOUNTED LED LIGHT FIXTURE, EXTRUDED ALUMINUM HOUSING, SILICONE GASKETS, VISOR OPTION, WET LISTED, 120V. FINISH PER ARCHITECT.	27W LED 4000K	ELLIPTIPAR S172 SERIES
XF	7 ¾" W x 48" L SURFACE MOUNTED LED LIGHT FIXTURE. FROSTED, RIBBED, IMPACT-RESISTANT ACRYLIC SHIELDING. TAMPER RESISTANT SCREWS, WET LISTED, 120V.	30W LED 4000K	HE WILLIAMS 96 SERIES

APPLICABLE CODES & STANDARDS

CONDUIT - BELOW SLAB OR

CAPPED OR STUB-OUT CONDUIT

CONDUIT - HOME RUN TO PANEL, TERMINAL

CROSSHATCHES INDICATE NUMBER OF #12

CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSS HATCHES

WITH NUMBER ADJACENT INDICATES WIRE

SEE ASSOCIATED NOTE ON SAME SHEET

SCHEDULE SYMBOL; SEE ASSOCIATED

AWG WIRES WHEN MORE THAN TWO. SIZE

CABINET, ETC. RUNS MARKED WITH

SHEET NOTE REFERENCE SYMBOL;

UNDERGROUND: 3/4"MIN.

CONDUIT CONTINUATION

SIZE OTHER THAN #12 AWG.

NOTE ON SAME SHEET

- 1. 2019 CALIFORNIA ADMINISTRATIVE CODE C.C.R., TITLE 24, PART 1.
- 2. 2019 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.
- 3. 2019 CALIFORNIA RESIDENTIAL CODE C.C.R., TITLE 24, PART 2.5 BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE WITH CALIFORNIA AMENDMENTS.
- 4. 2019 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE
- 2017 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.
- 5. 2019 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS.
- 6. 2019 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AMENDMENTS.
- 7. 2019 CALIFORNIA ENERGY CODE C.C.R., TITLE 24, PART 6.
- 8. 2019 CALIFORNIA FIRE CODE (CFC) C.C.R., TITLE 24, PART 9 BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC) WITH CALIFORNIA AMENDMENTS.
- 9. 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.
- 10. 2019 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.
- 11. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- 12. NATIONAL FIRE ALARM CODE (NFPA 72) 2016.
- 13. CITY OF LAKEPORT ORDINANCES, CODES, AND REGULATIONS.

- 1. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- 2. ELECTRONICS INDUSTRIES ASSOCIATION (EIA)
- 3. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
- 4. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
- 5. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
- 6. UNDERWRITER LABORATORIES (UL)
- 7. CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL/OSHA)

SHEET INDEX

E0.1 SYMBOLS, ABBREVIATIONS, LIGHT FIXTURE SCHEDULE

CODES, STANDARDS, NOTES & SHEET INDEX.

- E0.3 CALIFORNIA ENERGY COMPLIANCE TITLE 24 (BUILDING EXTERIOR).
- E1.1 ELECTRICAL SINGLE LINE DIAGRAM & DETAILS.
- E2.1 PARTIAL ELECTRICAL SITE PLAN.
- E2.2 PARTIAL ELECTRICAL SITE PLAN.
- E2.3 PARTIAL ELECTRICAL SITE PLAN.
- E6.1 ELECTRICAL DETAILS & PANELBOARD SCHEDULES.
- E6.2 ELECTRICAL DETAILS.

LANDSCAPE ARCHITECTS

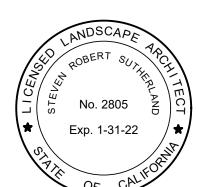
303 potrero street, suite 40-c

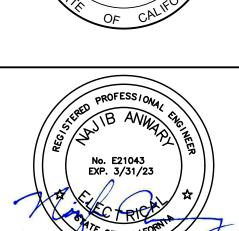
santa cruz, ca 95060

p: 831.459.0455 f: 831-459-0484

crla no. 2805

www.ssala.com





AURUM CONSULTING MONTEREY BAY, INC. Project No. 20-225.00 60 Garden Court • Suite 210 • Monterey, CA 93940 T.831.646.3330 • F.831.646.3336 • www.acemb.co NC. All designs and other information in the drawings a or use on the specified project and shall not be use therwise without the expressed written permission of AUR CONSULTING ENGINEERS MONTEREY BAY, INC

YM.,ABBR., LIGHODES, STANDS.,I

AGENCY APPROVAL

DRAWN BY • SS CHECKED • NA

SCALE • AS NOTED DATE • 04 . 26. 2022

SYM., ABBR., LIGHT FIX. SCHED., CODES, STNDS., NOTES &

JOB • 200009.00

SHEET INDEX

Outdoor Lighting										A FNEDCY COMMUSCION
NRCC-LTO-E (Created 01/21)									CALIFORNI	A ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE										NRCC-LTO-
This document is used to demonstrate compl	liance with requ	iirements i	in <u>§110.9</u> , <u>§130.</u>	.0, §				utdo	or lighting scopes us	- · · · ·
Project Name: Lake Front Park		05.450					Page:			Page 1 of 7
Project Address: 800 & 810 North Main Stre	et Lakeport, CA	95453			Dat	e Pr	epared:			5/26/202
A. GENERAL INFORMATION										?
01 Project Location (city)		Lakeport,	CA		04 Total Illu	ımin	ated Hardscape Ar	ea (ft	:2)	62,072
02 Climate Zone		2								
03 Outdoor Lighting Zone per Title 24, Par	<u>t 1 §10-114</u> or a	as designat	ted by Authorit	у На	aving Jurisdicti	on (AHJ):			
LZ-0: Very Low - Undeveloped Parkland	LZ-2: Mode	rate - Rura	al Areas		LZ-4: High	- M	ust be reviewed by	CA	nergy Commission	for Approval
LZ-1: Low - Developed Parkland	✓ LZ-3: Mode	rately High	h - Urban Areas	;						
B. PROJECT SCOPE										?
Table Instructions: Include any outdoor light outlined in §140.7 or §141.0(b)2L for alterati		t are withi	in the scope of t	the p	permit applica	tion	and are demonstro	iting	compliance using th	
My project consists of:										
01							02			
✓ New Lighting System	Must 0	Comply wi	th Allowances f	from	n <u>§140.7</u> .					
Altered Lighting System	Is your	r alteratior	n increasing the	oo e	nnected lightir	ng lo	ad (Watts)?		○ Yes	○ No
03			04						05	
% of Existing Luminaires Being Altered	d ¹ Sum	Total of L	uminaires Bein	g Ad	dded or Altere	d			Calculation Metho	od
¹ FOOTNOTES: % of Existing Luminaires Being	g Altered = (Sum	n Total of L	Luminaires Bein	g Ad	dded or Altere	d / E	xisting Luminaires	with	in the Scope of the P	ermit Application) x 100
C. COMPLIANCE RESULTS										?
Table Instructions: If any cell on this table sa	ys "DOES NOT C	COMPLY" o	or "COMPLIES w	/ith	Exceptional Co	ondit	tions" refer to Table	D. f	or guidance.	
Calculation of Total Allowed	Lighting Power	(Watts) §	140.7 or §141.	0(b)	2L				Compliance Resul	ts
01 02 03	0	04	05		06		07		08	09
General Hardscape Allowance §140.7(d)1 + Per Application §140.7(d)2 + Fronta §140.7(d)2	age + Ornar	mental 7(d)2 +	Per Specific Area §140.7(d)2	OR	Existing Power §141.0(b)2L	=	Total Allowed (Watts)	2	Total Actual (Watts)	07 Must be ≥ 08
(See Table I) (See Table J) (See Tab	ole K) (See T	able L)	(See Table M)		(See Table N)				(See Table F)	
3,446.525 + + +	+	+		OR		=	3,446.525	≥	2,600.2	COMPLIES
		Cutoff C	Compliance (Se	е Та	ble G for Deta	ails)			DOES NOT COMP	LY
	(Controls C	Compliance (Se	е Та	ble H for Deta	ails)			COMPLIES	

Outdoor Lighting						
NRCC-LTO-E (Created 01/21)				CALIFORNIA ENER	GY COMMISSI	19
CERTIFICATE OF COMPLIANCE					N	RCC-LTO-E
Project Name: Lake Front Park			Report Page:		ı	Page 4 of 7
Project Address: 800 & 810 North Mair	1 Street Lakeport, CA 95453		Date Prepared:			5/26/2021
Table Instructions: Complete this table alteration projects, luminaires which ar even if they are within the spaces cover When an option having a * is selected, show "DOES NOT COMPLY" if the notes dropdown list to indicate not applicable	e existing to remain (ie untouched) and red by the permit application. the notes section of this table must be a are left blank. For each requirement in	d luminaires which are completed. The lighting	e removed and rei ng controls section	nstalled (wiring only) do not need to be n of the Compliance Summary Table on	included in	this table
Mandatory Controls	·					
01	02	03		04	0	5
Area Description	Shut-Off §130.2(c)1	Auto-Sch §130.2		Motion Sensor §130.2(c)3	Field In Pass	spector Fail
Pedestrian Walkway	Astronomical Timer	Yes	1	Yes		
Parking Lot	Astronomical Timer	Yes	1	Yes		
*NOTES: Controls with a * require a not EX: Not permitted by health & safety to			d.			
I. LIGHTING POWER ALLOWANCE (I	per §140.7)					7

January 2021

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

Table Instructions: Please comp	lete this table for area	as using the					01				
allowance calculations per <u>§140</u>	<u>0.7</u> . General Hardsca <mark>j</mark>	oe Allowance				"Use it or	lose it" Allow	ances (sele	ct all that a	apply)	
is per <u>Table 140.7-A</u> while "Use	it or lost it" Allowance	es are per		General						T //	
<u>Table 140.7-B</u> . Indicate which a expand sections for user input. the "Use it or lose it" allowance	Luminaires that quali	fy for one of	✓	Hardscape Allowance	Per Applicatio	n S	ales Frontage	Orr	namental	F	er Specific Area
it or lose it" allowance.			Та	ble I (below)	Table J		Table K	Tab	le L		Table M
Calculated General Hardscape L	ighting Power Allowa	nce per <u>Table</u>	140.7	<u>'-A</u> (LZ 2 & 3)		•				•	
02	03	04		05	06	07		08	09		10
		Are	a Wa	ttage Allowance	(AWA)	l	Linear Wattage	Allowance	e (LWA)		Total General
Area Description	Surface Type	Illuminated	A E	Allowed Density	Area Allowance	Perime	eter Allowe	d Density	Linear Allo	wance	AWA + LWA
		Area (ft²)		(W/ft^2)	(Watts)	Length	(lf) ('	N/If)	(Watt	ts)	(Watts)
Pedestrian Walkway	Concrete	46,125		0.03	1,383.75	2,97	4	0.4	1,189	9.6	2,573.35
Parking Lot	Asphalt	15,947		0.025	398.675	498	. (0.25	124.	5	523.175
											0

Table Continued

STATE OF CALIFORNIA

STATE OF CALIFORNIA

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2021

STATE OF CALIFORNIA			
Outdoor Lighting NRCC-LTO-E (Created 01/21)			CALIFORNIA ENIFRCY COMMISSION
CERTIFICATE OF COMPLIANCE			CALIFORNIA ENERGY COMMISSION NRCC-LTO-
Project Name: Lake Front Page	ark	Report Page:	Page 7 of
Project Address: 800 & 810 N	orth Main Street Lakeport, CA 95453	Date Prepared:	5/26/202
DOCUMENTATION AUTHO	R'S DECLARATION STATEMENT		?
I certify that this Certificate of	Compliance documentation is accurate and complete		
Documentation Author Name	: Najib Anwary	Documentation Author Signature:	· Nigh a
Company:	Aurum Consulting Engineers	Signature Date:	5/27/2021
Address:	1798 Technology Drive, Suite 242	CEA/ HERS Certification Identification	tion (if applicable):
City/State/Zip:	San Jose, CA 95110	Phone:	(408) 564-7925
1. The information provided of the compliance of the completo the enforcement agency	penalty of perjury, under the laws of the State of Californ on this Certificate of Compliance is true and correct. a 3 of the Business and Professions Code to accept responsing the Business and Professions Code to accept responsions. The Business and Professions Components, and nonform to the requirements of Title 24, Part 1 and Part 1 as or system design features identified on this Certificate or ksheets, calculations, plans and specifications submitted signed copy of this Certificate of Compliance shall be for all applicable inspections. I understand that a compression of the building owner at occupancy.	nsibility for the building design or s nanufactured devices for the buildi 5 of the California Code of Regulati 1 of Compliance are consistent with 1 ed to the enforcement agency for a 2 made available with the building	ing design or system design identified on this ons. In the information provided on other applicable approval with this building permit application. permit(s) issued for the building, and made available
Responsible Designer Name:	Najib Anwary	Responsible Designer Signature:	Night and
Company :	Aurum Consulting Engineers	Date Signed:	5/27/2021
Address:	1798 Technology Drive, Suite 242	License:	E21043
City/State/Zip:	San Jose, CA 95110	Phone:	(408) 564-7925

**************************************	(Created 01/21)						(California Energy Con	VIIVII22119	7.11.00
CERTIFICAT	TE OF COMPLIANCE								NRC	C-LTC
Project Nai					Report Page:					ge 2 o
Project Add	dress: 800 & 810 North Main Street	Lakeport, CA 9	5453		Date Prepared:				5/	26/20
D. EXCEP	TIONAL CONDITIONS									
This table	is auto-filled with uneditable commer	nts because of	selections made o	r data entered	d in tables throughout	the form.				
No excepti	ional conditions apply to this project.									
E ADDITI	IONAL REMARKS									ř
			A t. la							ļ
Tils table i	includes remarks made by the permit	applicant to tr	ie Authority Havin	ig Jurisaiction.	•					
E OUTDO	OOD LIGHTING EIVTLIDE SCHEDIII	E								ű
	OOR LIGHTING FIXTURE SCHEDUL	<u></u> >								
Table Instr	ructions: For new or altered lighting s	ystems demon								
Table Instr existing lui	ructions: For new or altered lighting s minaires remaining or being moved w	ystems demons vithin the space	es covered by the	permit applica	ation in the Table belo	w. For alte	red lighting syst	ems using the Existi	ng Powe	er
Table Instrexisting luiumethod pe	ructions: For new or altered lighting s iminaires remaining or being moved w er <u>§141.0(b)2L</u> (ie Table N has expand	ystems demon vithin the space ed for input), ii	es covered by the production of the production o	permit applico uminaires bein	ation in the Table belo	w. For alte	red lighting syst	ems using the Existi	ng Powe	er
Table Instrexisting luiumethod pe (ie, do not	ructions: For new or altered lighting s iminaires remaining or being moved w er <u>§141.0(b)2L</u> (ie Table N has expand i include existing luminaires remaining	ystems demon vithin the space ed for input), ii	es covered by the production of the production o	permit applico uminaires bein	ation in the Table belo	w. For alte	red lighting syst	ems using the Existi	ng Powe	er
Table Instrexisting luiumethod pe (ie, do not	ructions: For new or altered lighting s iminaires remaining or being moved w er <u>§141.0(b)2L</u> (ie Table N has expand i include existing luminaires remaining	ystems demon vithin the space ed for input), ii	es covered by the production of the production o	permit applico uminaires bein	ation in the Table belo	w. For alte	red lighting syst	ems using the Existi	ng Powe project	er
Table Instr existing lui method pe (ie, do not Designed	ructions: For new or altered lighting s uminaires remaining or being moved w er <u>§141.0(b)2L</u> (ie Table N has expand i include existing luminaires remaining Wattage :	ystems demon vithin the space ed for input), in g or existing lur	es covered by the proclude only new luminaires being mo	permit applica uminaires bein oved). 05	ation in the Table belo ng installed and replac	w. For alte ement lumi	red lighting syst inaires being ins	ems using the Existi talled as part of the	ng Powe project	er scop
Table Instrexisting lui method pe (ie, do not Designed	ructions: For new or altered lighting s minaires remaining or being moved w er <u>§141.0(b)2L</u> (ie Table N has expand i include existing luminaires remaining Wattage : 02	ystems demoni vithin the space ed for input), in g or existing lur 03	es covered by the proclude only new luminaires being mo	permit applico uminaires bein oved). 05 Total	ation in the Table belo ng installed and replac 06	w. For alte ement lumi 07 Excluded	red lighting syst inaires being ins 08	ems using the Existi talled as part of the 09	ng Powe project	er scop
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NRCC-LTO-E (C	Created 01/21	CALIFORNIA EN	NERGY COMP	MISSI19
CERTIFICAT				NRCC-LTO
Project Nan				Page 5 of
Project Add	ress: 800 8	§ 810 North Main Street Lakeport, CA 95453 Date Prepared:		5/26/20
		Initial Wattage Allowance for Entire Site (W	Natts):	350
		Total General Hardscape Allowance (W		3,446,525
		Total deficial harassape Allohanee (1)	vacts).	3,110.323
J. LIGHTIN	IG ALLOW	ANCE: PER APPLICATION		9
This Section	n Does Not	Apply		- X
K. LIGHTIN	NG ALLOW	ANCE: SALES FRONTAGE		
This Section	- D N-+			
THIS SECTION	1 Does Not	Apply		
				·
L. LIGHTIN	IG ALLOW	ANCE: ORNAMENTAL		[7
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L. LIGHTIN This Section M. LIGHTI	IG ALLOW 1 Does Not NG ALLOV	ANCE: ORNAMENTAL Apply VANCE: PER SPECIFIC AREA		
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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

STATE OF CALIFORNIA		
Outdoor Lighting		
NRCC-LTO-E (Created 01/21)		CALIFORNIA ENERGY COMMISSI19
CERTIFICATE OF COMPLIANCE		NRCC-LTO
Project Name: Lake Front Park	Report Page:	Page 3 of
Project Address: 800 & 810 North Main Street Lakeport, CA 95453	Date Prepared:	5/26/202

¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)

² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.

³ Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are

being removed and reinstalled as part of the project scope

⁴ Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).

G. CUTOFF REQUIREMENTS (BUG)

												90.00
Table Insti	ructions: Comp	olete this table for fixtures o	$f \ge 6,200 \text{ in}$	itial lumino	aire lumens indicated o	on Table F as	needing t	to comply with Cutoff I	Requiremen	ts. Maxim	um lum	ens
can be fou	nd in Title 24,	Part 11, Section 5.106.8.										
01	02	03	04	05	06	07	08	09	10	11	1	2
	Complete	Backlight R	ating ²		Uplight	: Rating²		Glare	Rating ²		Fie Inspe	
Name or Item Tag	Luminaire Description	Mounting Height from Property Line ¹	Max Allowable Backlight Rating ³	Backlight Rating Per Design	Lighting Type	Max Allowable Uplight Rating ³	Uplight Rating Per Design	Mounting Height from Property Line ¹	Max Allowable Glare Rating ³	Glare Rating Per Design	Pass	Fail
ХА	16' Post Top I	Back hemisphere 0.5-1 MH from prop line	В3	B2	Area Lighting	U0	U3	> 2 MH from property line	G3	G2		
ХВ	23' Arm Moui	Back hemisphere 1-2 MH from prop line	B4	B2	Area Lighting	U0	U0	> 2 MH from property line	G3	G2		
XB1	23' Arm Moui	Back hemisphere 1-2 MH from prop line	В4	B2	Area Lighting	UO	U0	> 2 MH from property line	G3	G2		

¹ FOOTNOTES: Mounting Height is labeled MH in this table

YES

January 2021

January 2021

² Authority having jurisdiction may ask for luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per §130.2(b).

³ BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating is B4, then B0, B1, B2, B3 and B4 are all compliant.

H. OUTDOOR LIGHTING CONTROLS

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2021

Outdoor Lighting
NRCC-LTO-E (Created 01/21)
CERTIFICATE OF COMPLIANCE
Project Name: Lake Front Park
Project Address: 800 & 810 North Main Street Lakeport, CA 95453

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html
Field Inspector

NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20

January 2021

Pass Fail

IFORNIA ENERGY IPLIANCE TITLE 24 LDING EXTERIOR)

LANDSCAPE ARCHITECTS

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Exp. 1-31-22

AURUM CONSULTING

MONTEREY BAY, INC.

Project No. 20-225.00

60 Garden Court • Suite 210 • Monterey, CA 93940

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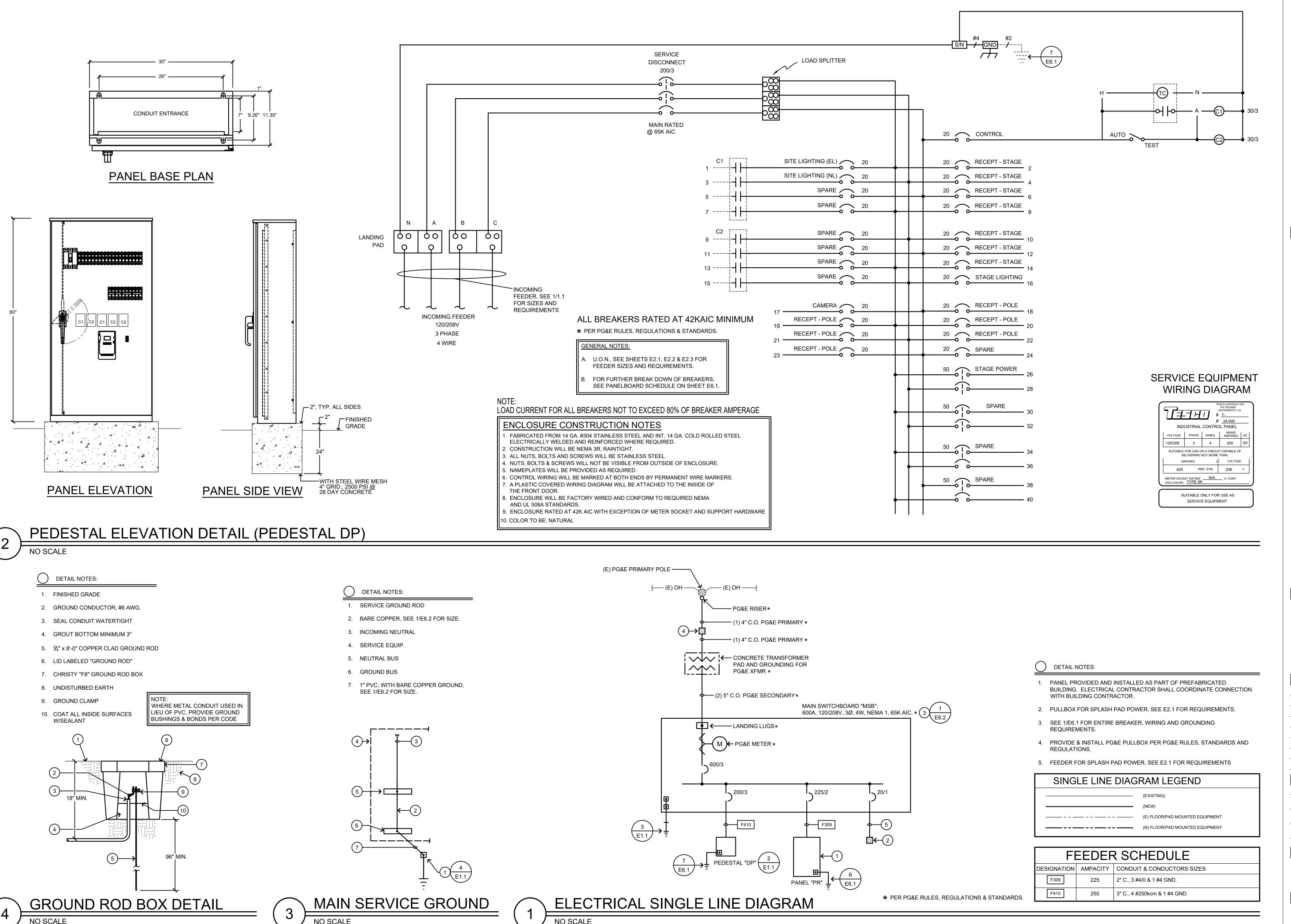
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CALIFORNIA ENERGY COMPLIANCE TITLE 24 (BUILDING EXTERIOR)

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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards
January 2021

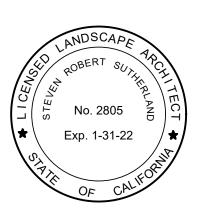


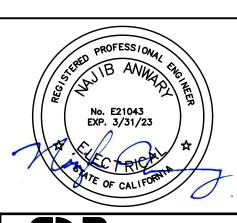
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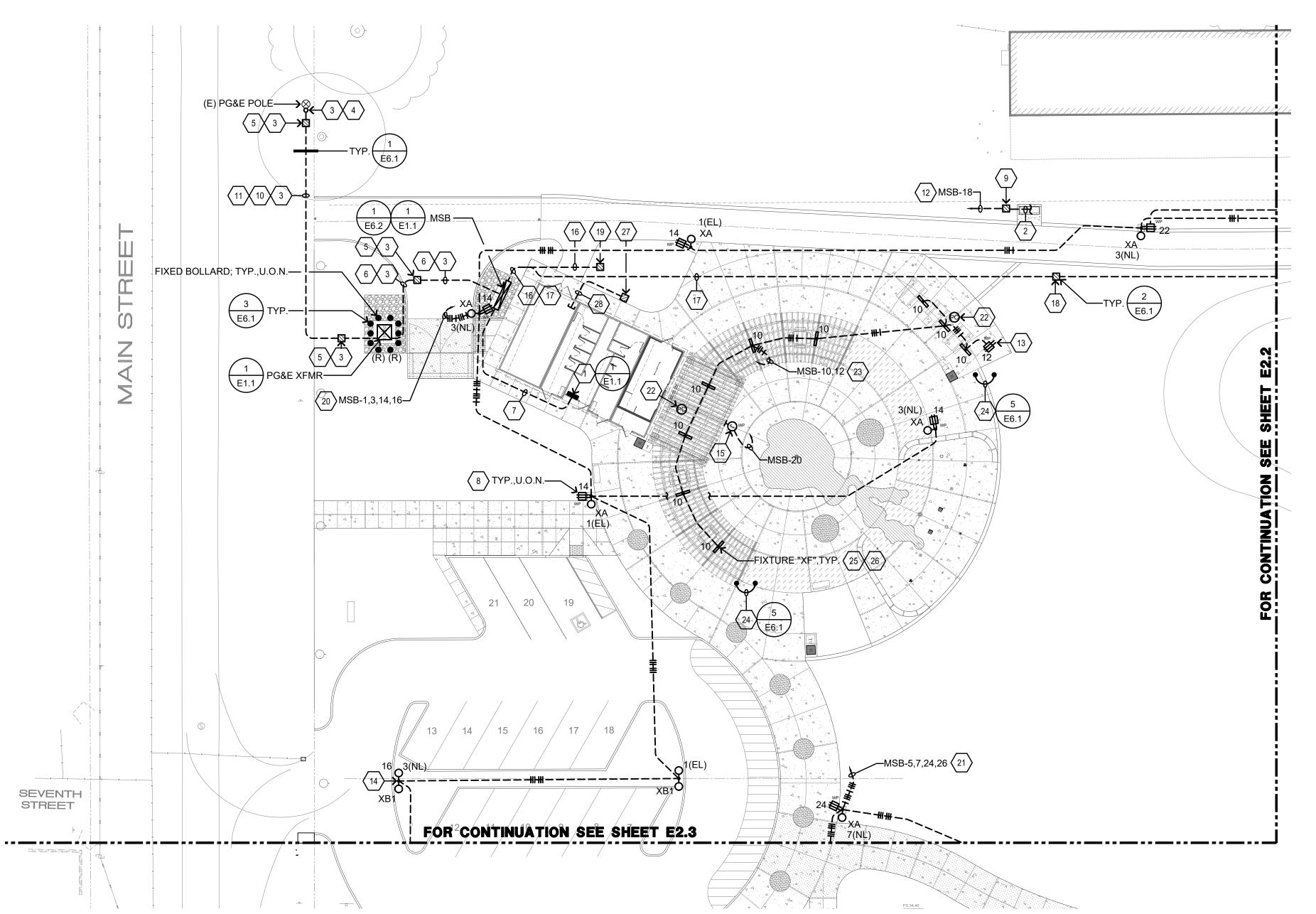
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DATE • 04 . 26 . 2022

JOB • 200009.00

ELECTRICAL SINGLE LINE DIAGRAM & DETAILS

F1 1



SHEET NOTES

- RESTROOM/CONCESSION BUILDING ELECTRICAL PANEL "PR" PROVIDED AS PART OF MODULAR BUILDING. CONNECTIONS BY ELECTRICAL CONTRACTOR.
- 2. CONNECT TO SPLASH PAD CONTROLLER.
- 3. PER PG&E RULES, STANDARDS AND REGULATIONS.
- 4. PROVIDE & INSTALL RISER DOWN POLE FOR SERVICE TO PG&E TRANSFORMER, SEE 1/E1.1 FOR REQUIREMENTS.
- 5. PROVIDE & INSTALL PG&E PULLBOX.
- 6. PROVIDE & INSTALL PG&E SECONDARY, SEE 1/E1.1 FOR REQUIREMENTS.
- 7. PROVIDE & INSTALL FEEDER FROM MSB TO NEW RESTROOM/CONCESSION MODULAR BUILDING PANEL. SEE ELECTRICAL SINGLE LINE DIAGRAM, 1/E1.1, FOR REQUIREMENTS.
- 8. PROVIDE & INSTALL RECEPTACLE AT +36" FROM BASE OF POLE. NEC APPROVED WEATHERPROOF COVER TO BE PROVIDED BY POLE MANUFACTURER.
- 9. PROVIDE & INSTALL IN-GRADE CONCRETE CHRISTY PULLBOX #N16 WITH LID LABELED "ELECTRICAL" FOR SPLASH PAD POWER; FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- 10. PROVIDE & INSTALL PG&E PRIMARY CONDUIT.
- 11. SEE 1/E1.1 FOR REQUIREMENTS.
- 12. HOMERUN VIA 1"C., 2 #10 & 1 #12 GND.
- 13. PROVIDE & INSTALL RECEPTACLE AT +36" A.F.F. WITH WEATHERPROOF COVER, TAYMAC OR EQUAL, AT SHELTER POST.
- 14. PROVIDE & INSTALL ¾" DIA. HOLE WITH THREADED NIPPLE COUPLING AT 15' UP HIGH ON POLE FOR OWNER FURNISHED CONTRACTOR INSTALLED CCTV CAMERA. CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY MOUNTING HARDWARE.
- 15. FOR OWNER FURNISHED CONTRACTOR INSTALLED CCTV CAMERA. VERIFY EXACT LOCATION WITH CITY REPRESENTATIVE PRIOR TO ROUGH-IN. CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY MOUNTING HARDWARE. HOMERUN 1"C., 2 #12 & 1 #12 GND. TO 20A UNCONTROLLED BREAKER AT "MSB".
- 16. PROVIDE & INSTALL (2) 2"C.O FOR FUTURE USE.
- 17. PROVIDE & INSTALL FEEDER FROM MSB TO NEW PEDESTAL "DP". SEE ELECTRICAL SINGLE LINE DIAGRAM, 1/E1.1, FOR REQUIREMENTS
- 18. PROVIDE & INSTALL CHRISTY #N30 PULLBOX, WITH LID LABELED "ELECTRICAL".
- 19. PROVIDE & INSTALL CHRISTY #N36 PULLBOX, WITH LID LABELED "ELECTRICAL".
- 20. HOMERUN VIA (1) 1½ "C. WITH 6 #10 & 1 #12 GND. FOR SITE LIGHTING AND CCTV CAMERA AND 2 #8 & 1 #10 GND. FOR LIGHT FIXTURE POLE RECEPTACLES.
- 21. HOMERUN VIA (1) $1\frac{1}{2}$ "C. WITH 4 #8 & 1 #10 GND. FOR SITE LIGHTING AND 4 #6 FOR LIGHT FIXTURE POLE RECEPTACLES.
- 22. PROVIDE & INSTALL PHOTOCELL ON TOP OF SHELTER/ARBOR FOR LIGHTING CONTROLS.
- 23. HOMERUN VIA (1) 11/4 "C. WITH 2 #10 & 1 #12 GND. FOR SITE LIGHTING AND 2 #8 & 1 #10 GND. FOR SHELTER RECEPTACLE.
- 24. PROVIDE & INSTALL POST GROUNDING WITHIN FRAMING OF COLUMN AT STRUCTURE. ENSURE HAND HOLE ACCESS IS PROVIDED.
- 25. CONTROL VIA PHOTOCELL

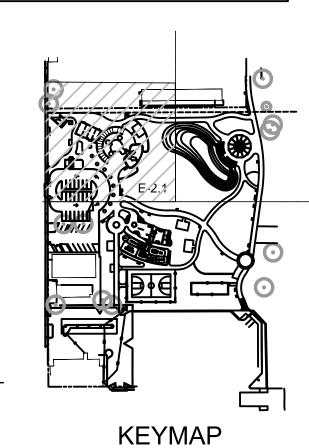
SCALE: 1"=20'-0"

- 26. CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY MOUNTING HARDWARE FOR MOUNTING OF FIXTURE TO UNDERSIDE OF SHELTER/ARBOR.
- 27. PROVIDE & INSTALL CHRISTY #N36 PULLBOX, WITH LID LABELED "SYSTEMS".
- 28. PROVIDE & INSTALL (2) 2"C.O FOR FUTURE USE FROM STORAGE ROOM TO PULLBOX IN LANDSCAPE AREA. FIELD COORDINATE EXACT HEAD IN LOCATION.

- A. CONTRACTOR SHALL LOCATE ALL (E) UNDERGROUND UTILITIES PRIOR TO TRENCHING AND TAKE CAUTION TO AVOID DAMAGE DURING TRENCHING. HAND TRENCH IF NECESSARY. CONTRACTOR SHALL MAKE ALL REPAIRS TO DAMAGED UTILITIES AT NO CHARGE TO OWNER.
- B. ALL WIRING FOR SITE LIGHTING SHALL BE #10 AWG MINIMUM,
- C. ALL UTILITIES (PG&E) ARE SHOWN IN SCHEMATIC FORM ONLY. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS WITH UTILITY COMPANY ENGINEERED DRAWINGS PRIOR TO START OF CONSTRUCTION AND PROVIDE FACILITIES ACCORDINGLY.
- D. FOR ALL UNDERGROUND CONDUCTOR SPLICING IN CONCRETE PULLBOX, CONTRACTOR SHALL PROVIDE WEATHERPROOF WIRE NUTS.

NORTH

. CONTRACTOR SHALL GROUND/BOND METAL PICNIC AND ARBOR STRUCTURES WITH #4 AWG COPPER GROUND GND. AT EACH METAL POST OF STRUCTURE TO GROUND ROD (WHERE METAL FRAME STRUCTURE IS CONTINUOUS, ONLY (1) COLUMN/POST IS REQUIRED TO BE GROUNDED). HOMERUN #4 AWG COPPER IN 1"C. TO MSB/PANEL SERVING ELECTRICAL AT THE STRUCTURE BEING GROUNDED/BONDED.



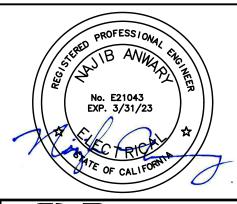


LANDSCAPE ARCHITECTS

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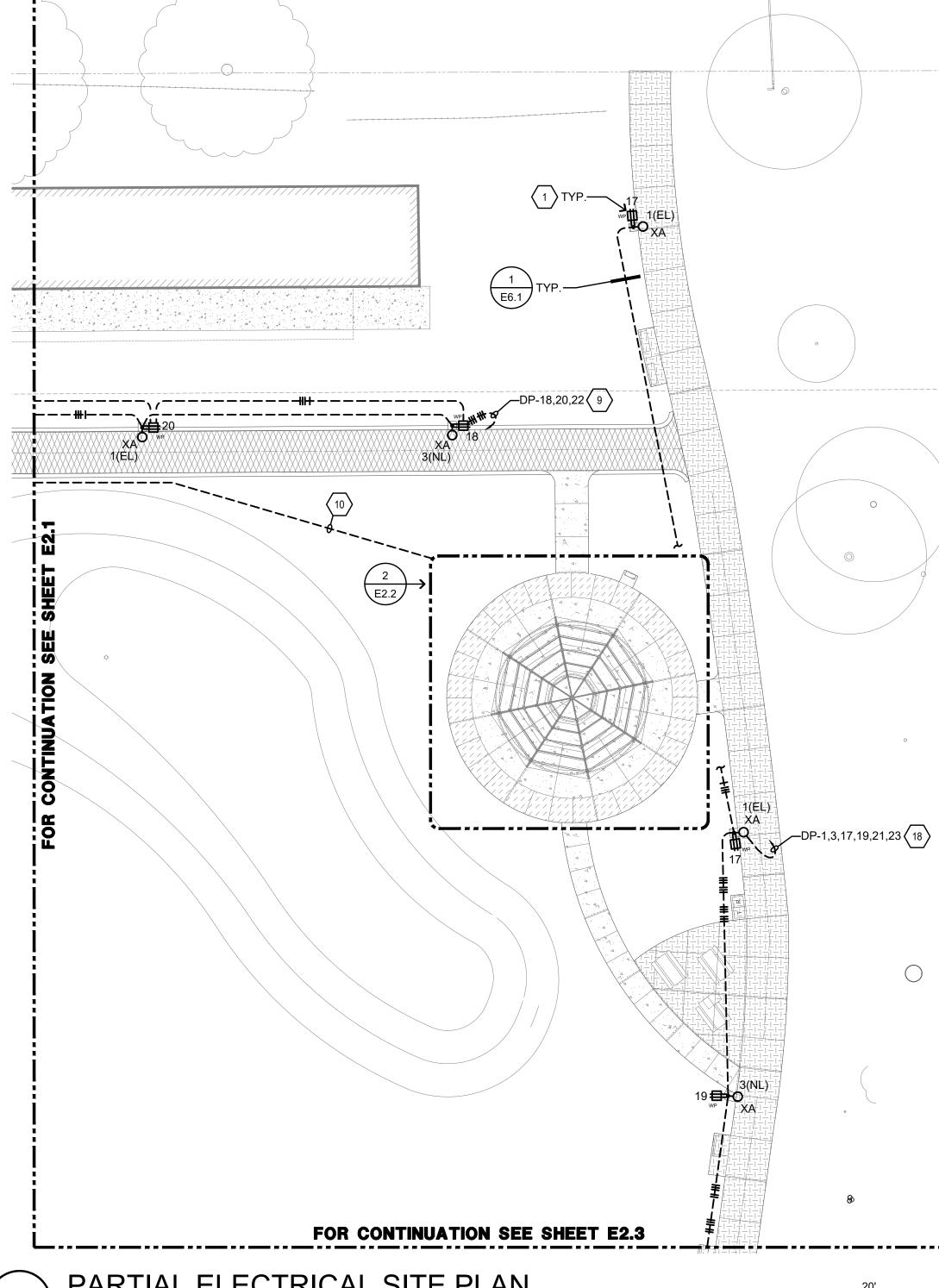
REVISIONS NO. DATE

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SCALE • AS NOTED DATE • 04 . 26. 2022

JOB • 200009.00

PARTIAL ELECTRICAL SITE PLAN



SHEET NOTES

PROVIDE & INSTALL RECEPTACLE AT +36" FROM BASE OF POLE. NEC APPROVED WEATHERPROOF COVER TO BE PROVIDED BY POLE MANUFACTURER.

2. 125AMP SERVICE PEDESTAL.

3. PROVIDE & INSTALL 50A, 208V, 1Ø TWIST LOCK RECEPTACLE WITH WEATHERPROOF LOCKABLE COVER, HUBBELL #B-56. MOUNT ON EXTERIOR OF PEDESTAL AT +36" ABOVE FINISHED GRADE TO TOP OF DEVICE BOX.

4. CONTROL VIA PHOTOCELL

5. PROVIDE & INSTALL CHRISTY #N16 PULLBOX, WITH LID LABELED "ELECTRICAL".

6. PROVIDE & INSTALL POST GROUNDING WITHIN FRAMING OF COLUMN AT STRUCTURE. ENSURE HAND HOLE ACCESS IS PROVIDED.

7. PROVIDE AND INSTALL "EXTRA-DUTY" WEATHERPROOF "IN-USE" COVER, TAYMAC OR EQUAL. MOUNT AT STRUCTURE POST +48" ABOVE FINISHED GRADE TO TOP OF DEVICE BOX. COORDINATE INSTALLATION WITH MANUFACTURER

8. PROVIDE & INSTALL PHOTOCELL ON TOP SIDE OF PURLIN FOR LIGHTING CONTROLS.

9. HOMERUN VIA 1¼"C., 6 #8 & 1 #10 GND.

10. PROVIDE & INSTALL FEEDER FROM MSB TO NEW PEDESTAL "DP". SEE ELECTRICAL SINGLE LINE DIAGRAM, 1/E1.1, FOR REQUIREMENTS.

11. HOMERUN VIA 1"C., 6 #10 & 1 #10 GND. FOR GENERAL RECEPTACLE POWER AND SHELTER LIGHTING.

12. PROVIDE & INSTALL (2) 2"C.O FOR FUTURE USE.

13. PROVIDE & INSTALL CHRISTY #N36 PULLBOX, WITH LID LABELED "ELECTRICAL".

14. HOMERUN VIA 1"C., 2 #6 & 1 #10 GND. FOR EVENT POWER.

15. FOR OWNER FURNISHED CONTRACTOR INSTALLED CCTV CAMERA. VERIFY EXACT LOCATION WITH CITY REPRESENTATIVE PRIOR TO ROUGH-IN. CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY MOUNTING HARDWARE. HOMERUN 1"C., 2 #12 & 1 #12 GND. TO 20A UNCONTROLLED BREAKER AT PEDESTAL "DP".

16. HOMERUN VIA 1"C., 6 #10 & 1 #10 GND. FOR GENERAL RECEPTACLE POWER.

17. HOMERUN TO PEDESTAL "DP" VIA 1"C.O. FOR FUTURE LIGHTING.

18. HOMERUN VIA (1) 1½ "C. WITH 4 #10 & 1 #12 GND. FOR SITE LIGHTING AND 8 #6 & 1 #10 GND. FOR LIGHT FIXTURE POLE RECEPTACLES.

19. SEE 1/E2.2 FOR CONTINUATION.

20. HOMERUN VIA 1"C., 4 #10 & 1 #10 GND. FOR GENERAL RECEPTACLE POWER.

21. PROVIDE & INSTALL (1) 1 ½"C.O FOR FUTURE USE.

22. PROVIDE & INSTALL (3) 1"C.O TO (2) DIFFERENT +42" A.F.F. JUNCTION BOXES AT PAVILION COLUMNS FOR FUTURE USE.

23. CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY MOUNTING HARDWARE FOR MOUNTING OF FIXTURE TO PAVILION PURLIN.

NOTES:

A. CONTRACTOR SHALL LOCATE ALL (E) UNDERGROUND UTILITIES PRIOR TO TRENCHING AND TAKE CAUTION TO AVOID DAMAGE DURING TRENCHING. HAND TRENCH IF NECESSARY. CONTRACTOR SHALL MAKE ALL REPAIRS TO DAMAGED UTILITIES AT NO CHARGE TO OWNER.

B. ALL WIRING FOR SITE LIGHTING SHALL BE #10 AWG MINIMUM,

C. FOR ALL UNDERGROUND CONDUCTOR SPLICING IN CONCRETE PULLBOX, CONTRACTOR SHALL PROVIDE WEATHERPROOF WIRE NUTS.

). CONTRACTOR SHALL GROUND/BOND METAL PAVILION AT EACH METAL POST OF STRUCTURE TO GROUND ROD (WHERE METAL FRAME STRUCTURE IS CONTINUOUS, ONLY (1 AWG COPPER IN 1"C. TO MSB/PANEL SERVING ELECTRICAL AT THE STRUCTURE BEING GROUNDED/BONDED.

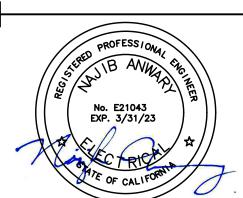


LANDSCAPE ARCHITECTS

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AGENCY APPROVAL

REVISIONS NO. DATE

DRAWN BY • SS CHECKED • NA

SCALE • AS NOTED • 04 . 26. 2022

JOB • 200009.00 PARTIAL ELECTRICAL

SITE PLAN

E2.2

KEYMAP

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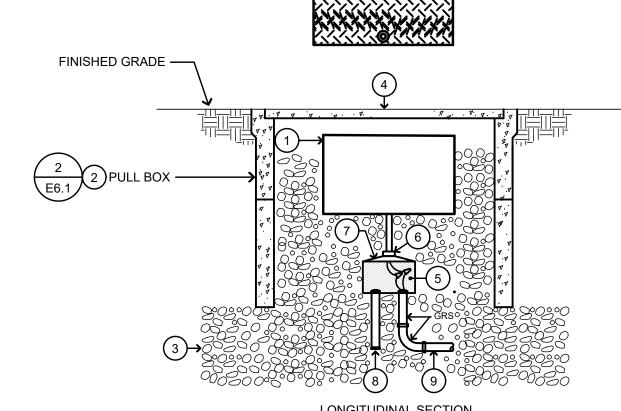
PARTIAL ELECTRICAL SITE PLAN

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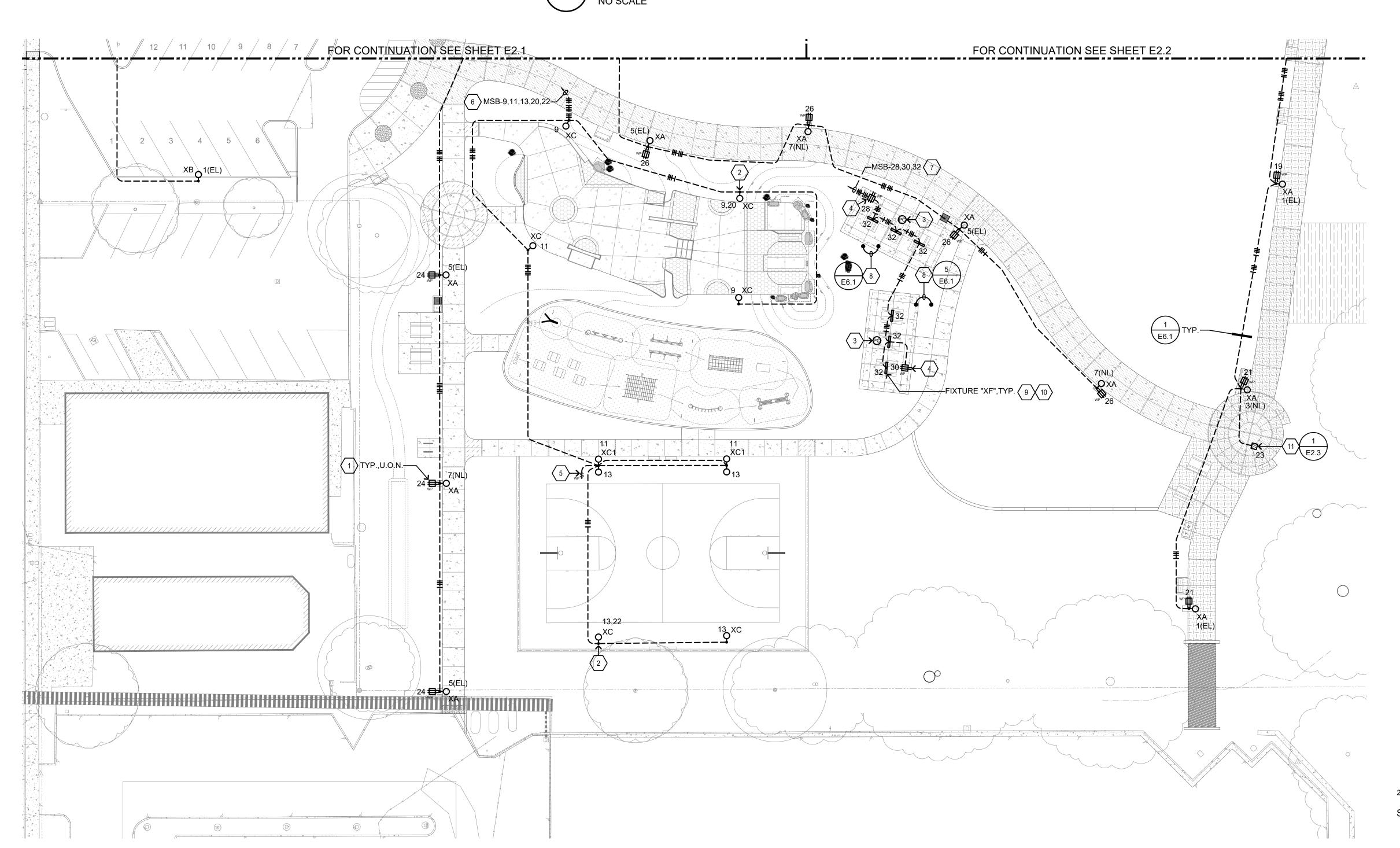
SHADE STRUCTURE

DETAIL NOTES:

- 1. 9" x 17" x 11" DEEP POWER IN-GROUND BOX (WIREMOLD #XB814C520C2XX) WITHIN CHRISTY #B1324 PULLBOX.
- 2. CHRISTY #B1324 PULLBOX WITH HAND HOLE LIDS FOR OUTLET ACCESSIBILITY, LEVELING BOLTS AND PVC DRAIN STUB; 1/2" THICK ALUMINUM WALLS, OPEN BOTTOM FOR EASE OF DRAINAGE; INSTALL PER MANUFACTURERS INSTRUCTIONS & RECOMMENDATIONS.
- 3. CRUSHED DRAIN ROCK.
- 4. TRAFFIC RATED LID; CUSTOM WITH OPERABLE OPENING FOR CORD & PLUG CONNECTION ACCESS.
- 5. FILL JUNCTION BOX WITH POTTING COMPOUND.
- 6. ¾" ENTRANCE CORD SEAL; BRASS CONSTRUCTION WITH NEOPRENE GROMMET, HYDREL #CS143032.
- 7. 4¾" DIA. x 3" DEEP UNDERWATER JUNCTION BOX; HEAVY CAST BRONZE CONSTRUCTION, NEOPRENE GASKETS, INTERNAL GROUND LUGS AND STAINLESS STEEL HARDWARE, HYDREL #JB1701. MOUNT JUNCTION BOX 1" ABOVE GRADE.
- 8. 12" GRS STUB FOR SUPPORT OF JUNCTION BOX; SEAL BOTH ENDS WATERTIGHT.
- 9. PVC BRANCH CIRCUIT, SEAL ENTRANCE TO JUNCTION BOX WATERTIGHT.



POWER PULLBOX



SHEET NOTES

- PROVIDE & INSTALL RECEPTACLE AT +36" FROM BASE OF POLE. NEC APPROVED WEATHERPROOF COVER TO BE PROVIDED BY POLE MANUFACTURER.
- PROVIDE & INSTALL $\frac{3}{4}$ " DIA. HOLE WITH THREADED NIPPLE COUPLING AT 15' UP HIGH ON POLE FOR OWNER FURNISHED CONTRACTOR INSTALLED CCTV CAMERA. CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY MOUNTING HARDWARE.
- 3. PROVIDE & INSTALL PHOTOCELL ON TOP OF SHELTER FOR LIGHTING CONTROLS.
- 4. PROVIDE & INSTALL RECEPTACLE AT +36" A.F.F. WITH WEATHERPROOF COVER, TAYMAC OR EQUAL, AT SHELTER POST.
- 5. PROVIDE & INSTALL 2-HOUR MAX SPRING WOUND COUNTDOWN TIMER (INTERMATIC OR EQUAL) IN NEMA 3R ENCLOSURE. TIMER SHALL CONTROL ONLY BASKETBALL LIGHTING. COORDINATE EXACT LOCATION AND MOUNTING WITH LANDSCAPE ARCHITECT.
- 6. HOMERUN VIA (1) 2"C., WITH 6 #2 & 1 #8 GND. FOR SKATE PARK/FITNESS/BASKETBALL LIGHTING AND 4 #10 & 1 #12 GND. FOR SECURITY CAMERA POWER.
- HOMERUN VIA (1) 11/4"C., WITH 4 #6 & 1 #10 GND. FOR LIGHT FIXTURE POLE RECEPTACLES AND 2 #10 & 1 #12 GND. FOR SHELTER LIGHTING.
- 8. PROVIDE & INSTALL POST GROUNDING WITHIN FRAMING OF COLUMN AT STRUCTURE. ENSURE HAND HOLE ACCESS IS PROVIDED.
- 9. CONTROL VIA PHOTOCELL
- 10. CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY MOUNTING HARDWARE FOR MOUNTING OF FIXTURE TO UNDERSIDE OF PICNIC SHELTER.
- 11. PROVIDE & INSTALL 9" x 17" x 11" DEEP POWER IN-GROUND BOX (WIREMOLD #XB814C520C2XX) WITHIN CHRISTY #B1324 PULLBOX WITH TRAFFIC RATED LID; CUSTOM WITH OPERABLE OPENING FOR CORD & PLUG CONNECTION ACCESS, LEVELING BOLTS AND PVC DRAIN STUB; 1/2" THICK ALUMINUM WALLS, OPEN BOTTOM FOR EASE OF DRAINAGE; INSTALL PER MANUFACTURERS INSTRUCTIONS & RECOMMENDATIONS.

NOTES:

- A. CONTRACTOR SHALL LOCATE ALL (E) UNDERGROUND UTILITIES PRIOR TO TRENCHING AND TAKE CAUTION TO AVOID DAMAGE DURING TRENCHING. HAND TRENCH IF NECESSARY. CONTRACTOR SHALL MAKE ALL REPAIRS TO DAMAGED UTILITIES AT NO CHARGE TO OWNER.
- B. ALL WIRING FOR SITE LIGHTING SHALL BE #10 AWG MINIMUM,
- E. FOR ALL UNDERGROUND CONDUCTOR SPLICING IN CONCRETE PULLBOX, CONTRACTOR SHALL PROVIDE WEATHERPROOF WIRE NUTS.
-). FOR SKATE PARK/FITNESS/BASKETBALL LIGHTING CONTRACTOR SHALL SPLICE DOWN INCOMING #2 AWG FEEDERS AT ADJACENT PULLBOX TO #8 AWG FOR CONNECTION TO LIGHT FIXTURE.
- . CONTRACTOR SHALL GROUND/BOND METAL PICNIC SHELTER STRUCTURES WITH #4 AWG COPPER GROUND GND. AT EACH METAL POST OF STRUCTURE TO GROUND ROD (WHERE METAL FRAME STRUCTURE IS CONTINUOUS, ONLY (1) COLUMN/POST IS REQUIRED TO BE GROUNDED). HOMERUN #4 AWG COPPER IN 1"C. TO MSB/PANEL SERVING ELECTRICAL AT THE STRUCTURE BEING GROUNDED/BONDED.



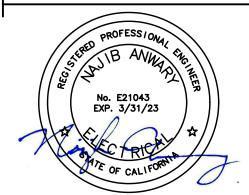
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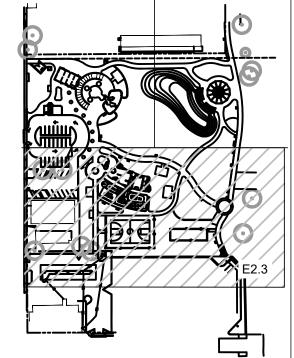
AGENCY APPROVAL

DRAWN BY • SS CHECKED • NA

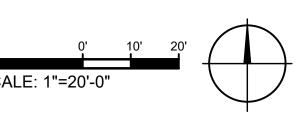
PARTIAL ELECTRICAL

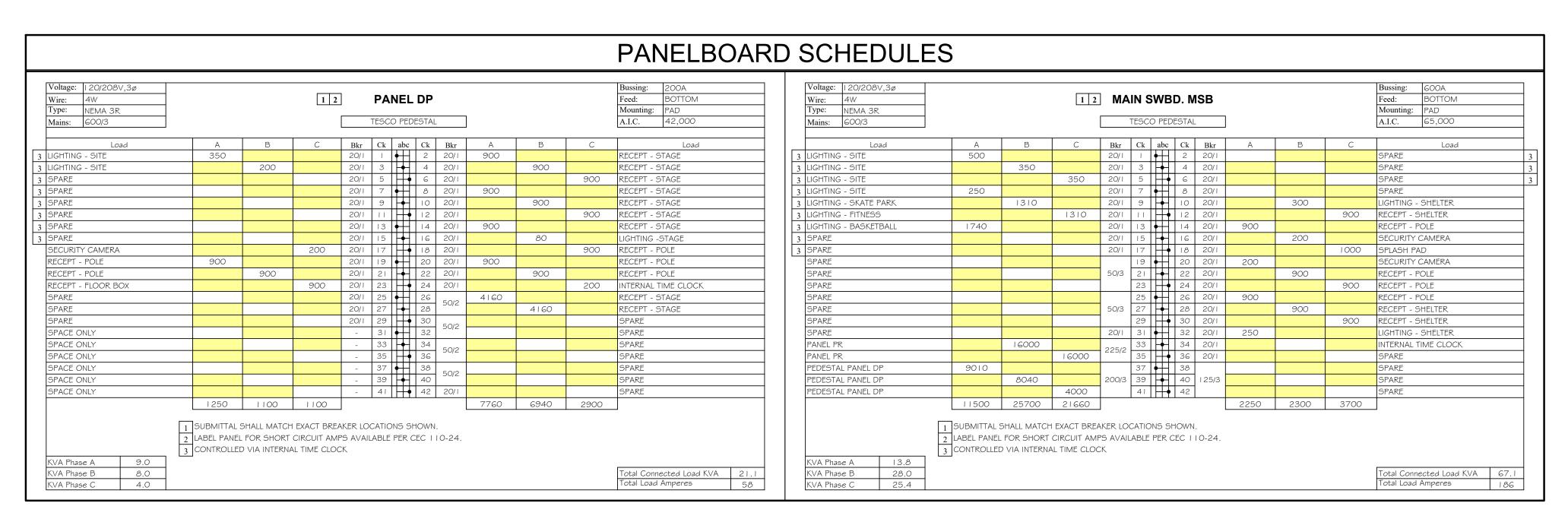
SITE PLAN

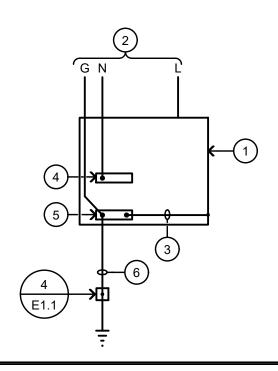
E2.3



KEYMAP







GENERAL NOTE: IF AVAILABLE ON THE PREMISES AT EACH BUILDING OR STRUCTURE SERVED EACH OF THE FOLLOWING SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM: a. METAL COLD WATER PIPE, b. METAL FRAME OF BUILDING, c. GROUND RING,

d. OTHER ELECTRODES PER CEC

250.52(A)(2) THROUGH (7)

12(3)

NO SCALE

) DETAIL NOTES:

- 1. DISTRIBUTION PANEL.
- 2. TO TRANSFORMER.
- 3. EQUIPMENT BONDING JUMPER, SUPPLIED WITH PANEL INSTALLED BY CONTRACTOR.
- 4. NEUTRAL BUS.
- GROUND BUS.
- 6. 1" PVC; WITH BARE COPPER GROUND, SEE 2/E1.1 FOR SIZE.

DISTRIBUTION PANEL GROUNDING



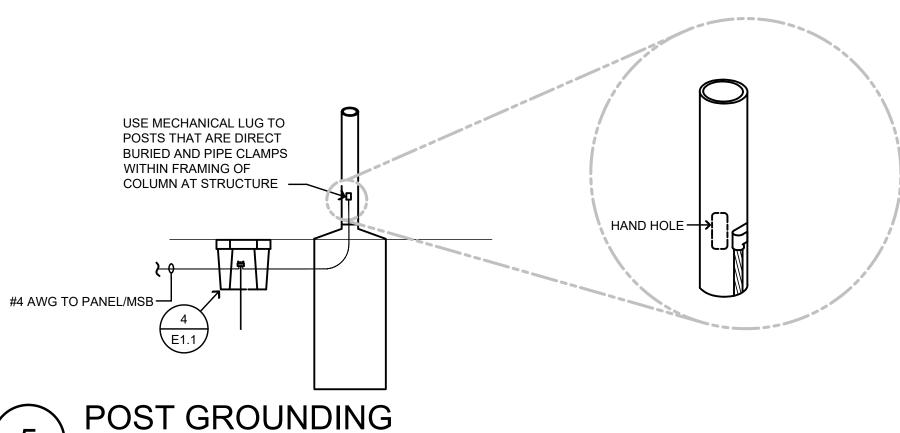


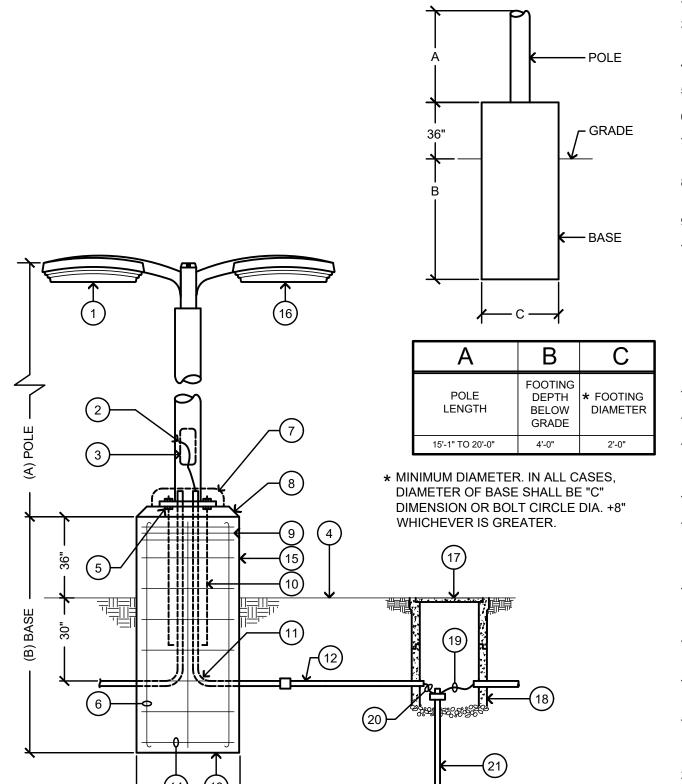
- 2. COPPER GROUND CONDUCTOR TO METAL FRAME WHEN PROVIDED
- 3. COPPER LCAD GROUND ROD 10'-0" LONG ¾"Ø (CEC 250-50)
- 4. RELOCATABLE BUIDLING
- ELECTRICAL PANEL
- CHANNEL SUPPORT
- 7. RIGID CONUDIT WITH CONDUCTOR, ATTACHED TO WALL WITH 2-HOLE STRAPS
- 8. FINISH GRADE
- 9. GROUND ROD BOX CHRISTY "F8" OR EQUAL.
- CEC TABLE 250-66 11. BOND SEPARATE CONDUCTORS FROM

10. SIZE OF CONDUCTORS SHALL COMPLY WITH

- GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME (CEC 250-30) 12. CHECK RESISTANCE TO GROUND, IF
- RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS AS REQUIRED. (CEC 250-56)
- . ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER. (BOLTING ONLY IS NOT ACCEPTABLE BONDING.)
- BOND RAMP TO BUILDING
- BOND WATER PIPES PER CEC 250-50

MODULAR BLDG. GROUNDING INSTALLATION





FIXTURE TYPE "XB" & "XB1" MOUNTING

NO SCALE

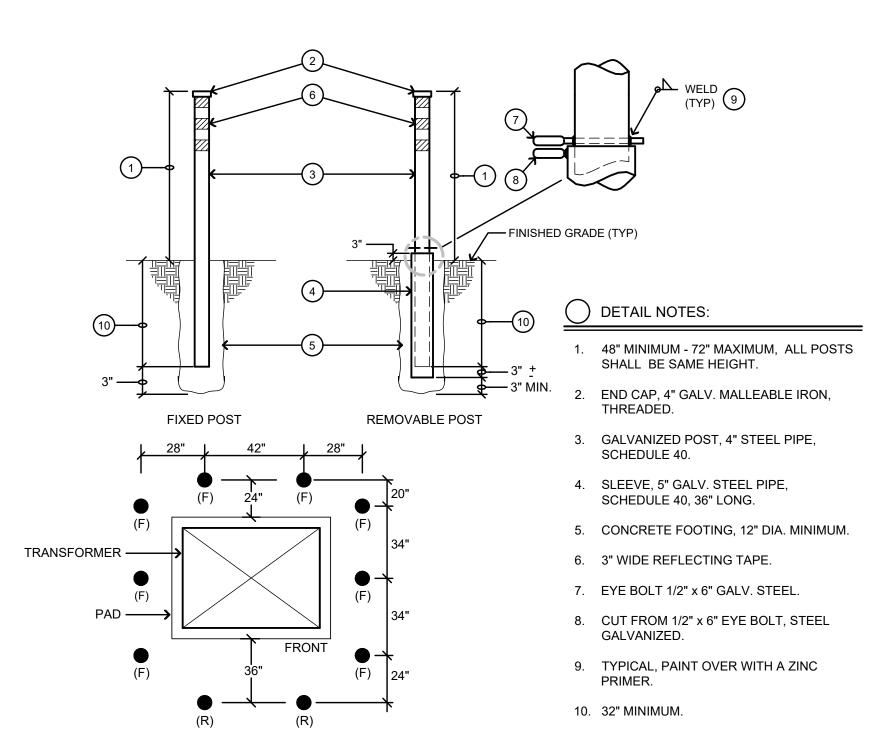
NO SCALE

DETAIL NOTES:

- YOKE MOUNTED FIXTURE
- 2. GROUND BOND LUG IN POLE
- 3. HANDHOLE WITH GASKET
- 4. FINISHED GRADE
- LEVEL NUTS
- 6. SEE STRUCTURAL DRAWINGS ANCHOR BOLTS AND BASE
- 8. GROUT FILLED WITH 1" x 45° BEVEL AT EDGE
- 9. SEE STRUCTURAL DRAWINGS
- 10. ANCHOR BOLT; QUANTITY & SIZE PER POLE MFGR. **FURNISHED WITH POLE** MINIMUM %" DIAMETER **ANCHOR RODS WITH 12"** EMBED. (4 TOTAL IN A 5" x 5" SQUARE LAYOUT) AND 1/4" BASE PLATE. ANCHOR BOLTS SHALL BE WITHIN VERTICAL REBAR
- 11. PVC ELBOW AND RISER
- 12. PVC SCH 40 TO PULLBOX
- 13. 3000 P.S.I. AT 28 DAYS CONCRETE FOOTING. SEE STRUCTURAL DRAWINGS.
- 14. SEE STRUCTURAL DRAWINGS 15. CONTRACTOR SHALL ENSURE THAT FINISH OF EXPOSED
- TEXTURE. 16. SECOND FIXTURE HEAD LOCATED 180° APART FOR FIXTURE TYPE "XB1".

BASE IS SMOOTH WITH EVEN

- 17. CHRISTY #N16, LID LABELED "LIGHTING".
- 18. TYPICAL PULLBOX INSTALLATION, SEE 2/E6.1.
- 19. CONNECT BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTOR TO GROUND ROD
- 20. #8 COPPER GROUND FROM POLE TO GROUND ROD
- 21. GROUND ROD, MIN 8' IN SOIL

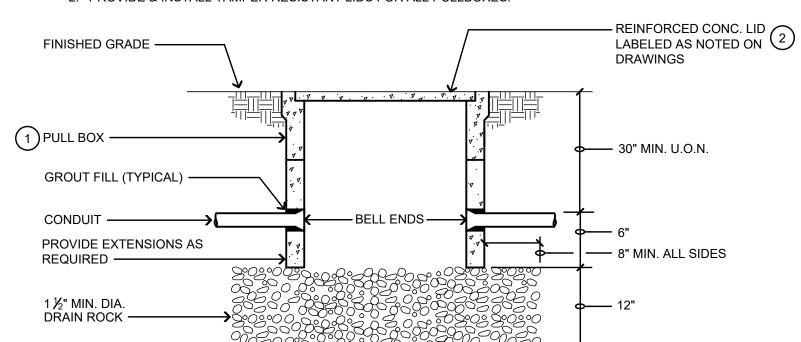


TRANSFORMER GUARD POSTS



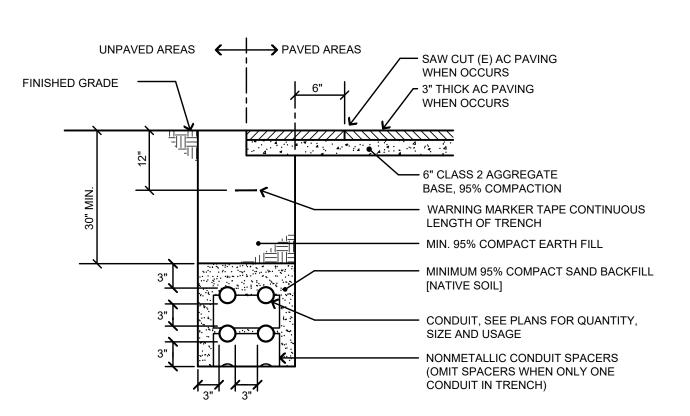
1. SIZE(S) & MFGR. AS NOTED ON DRAWINGS.

2. PROVIDE & INSTALL TAMPER RESISTANT LIDS FOR ALL PULLBOXES.



TYPICAL PULLBOX DETAIL

NO SCALE



NOTES:

- SAW CUT, TRENCH & BACKFILL FOR NEW CONDUITS. PATCH WALKWAY TO MATCH (E) SURROUNDING SURFACES. CARE SHALL BE TAKEN TO PROTECT EXISTING TREES. RESEED OR RESOD (E) DISTURBED PLANTED AREAS TO ARCHITECT'S
- BASE MATERIAL TO BE REPLACED TO THE DEPTH OF EXISTING BASE AND COMPACTED TO A MIN. 95% RELATIVE COMPACTION. A.C. MAY BE SUBSTITUTED FOR BASE MATERIAL. WHEN USED AS BACKFILL, CLASS 100-E-100 P.C.C. MAY BE SUBSTITUTED FOR BASE MATERIAL.

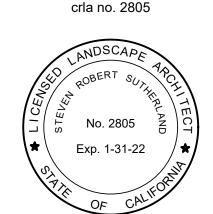
TYPICAL TRENCH SECTION

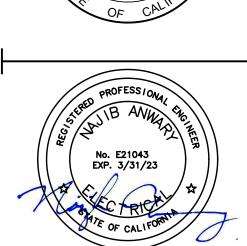
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REVISIONS NO. DATE	PURPOSE

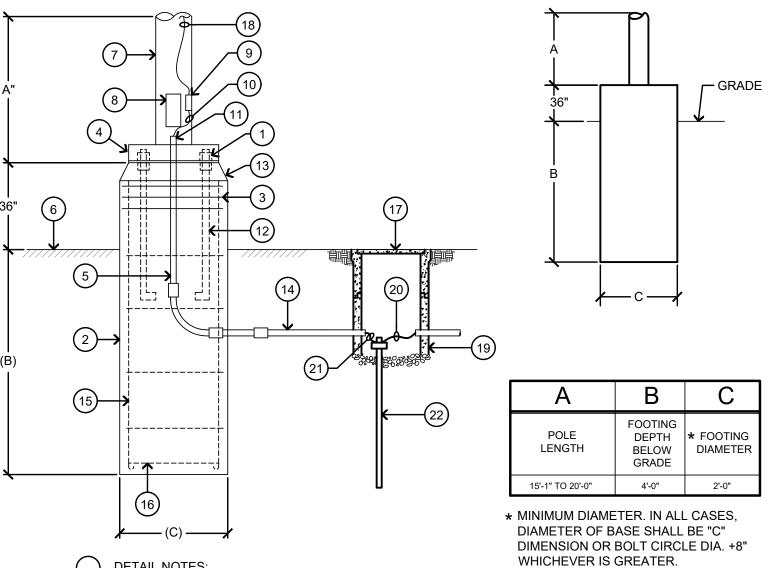
CHECKED • NA SCALE • AS NOTED • 04 . 26 . 2022

ELECTRICAL DETAILS

JOB • 200009.00

SHEET

E6.



DETAIL NOTES:

- LEVELING NUTS.
- CONCRETE BASE, MINIMUM 3000 PSI (COMPRESSIVE STRENGTH - 28 DAYS MIN). SEE STRUCTURAL DRAWINGS.
- SEE STRUCTURAL DRAWINGS.
- 4. BASE COVER.
- 5. RIGID STEEL ELBOWS AND CONDUIT, WRAP WITH PVC TAPE OVERLAPPED 50%.
- FINISHED GRADE.
- LUMINAIRE POLE.
- 8. HAND HOLE.
- 9. GROUNDING LUG.
- 10. GROUND CONDUCTOR.
- 11. BUSHING, ON CONDUIT(S), CAP BEFORE
- POURING CONCRETE.
- 12. ANCHOR BOLT; QUANTITY & SIZE PER POLE MFGR. FURNISHED WITH POLE. ANCHOR

BOLTS SHALL BE WITHIN VERTICAL REBAR

- 13. GROUT FILL WITH 45 DEGREE BEVEL.
- 14. PVC SCH 40 TO PULLBOX.
- 15. SEE STRUCTURAL DRAWINGS.
- 16. SEE STRUCTURAL DRAWINGS.
- 17. CHRISTY #N16, LID LABELED "LIGHTING".
- 18. #10 EQUIPMENT GROUNDING CONDUCTOR FROM POLE GROUND LUG TO LUMINAIRE.
- 19. TYPICAL PULLBOX INSTALLATION, SEE 2/E6.1.
- 20. CONNECT BRANCH CIRCUIT EQUIPMENT
- GROUNDING CONDUCTOR TO GROUND ROD
- 21. #8 COPPER GROUND FROM POLE TO GROUND

POLE.

DRAWINGS.

8. GROUT FILLED WITH 1" x

9. SEE STRUCTURAL DRAWINGS.

10. ANCHOR BOLT;

45 DEGREES BEVEL AT

QUANTITY & SIZE PER

POLE MFGR. FURNISHED

VERTICAL REBAR CAGE.

WITH POLE. ANCHOR **BOLTS SHALL BE WITHIN**

11. PVC ELBOW & RISER.

13. 3000 P.S.I. AT 28 DAYS CONC. FOOTING. SEE STRUCTURAL DRAWINGS.

14. SEE STRUCTURAL DRAWINGS.

15. CHRISTY #N16, LID LABELED "LIGHTING".

16. TYPICAL PULLBOX

17. CONNECT BRANCH

GROUNDING

CONDUCTOR TO

18. #8 COPPER GROUND

19. GROUND ROD, MIN 8' IN

FROM POLE TO GROUND

GROUND ROD

2/E6.1.

SOIL

INSTALLATION, SEE

CIRCUIT EQUIPMENT

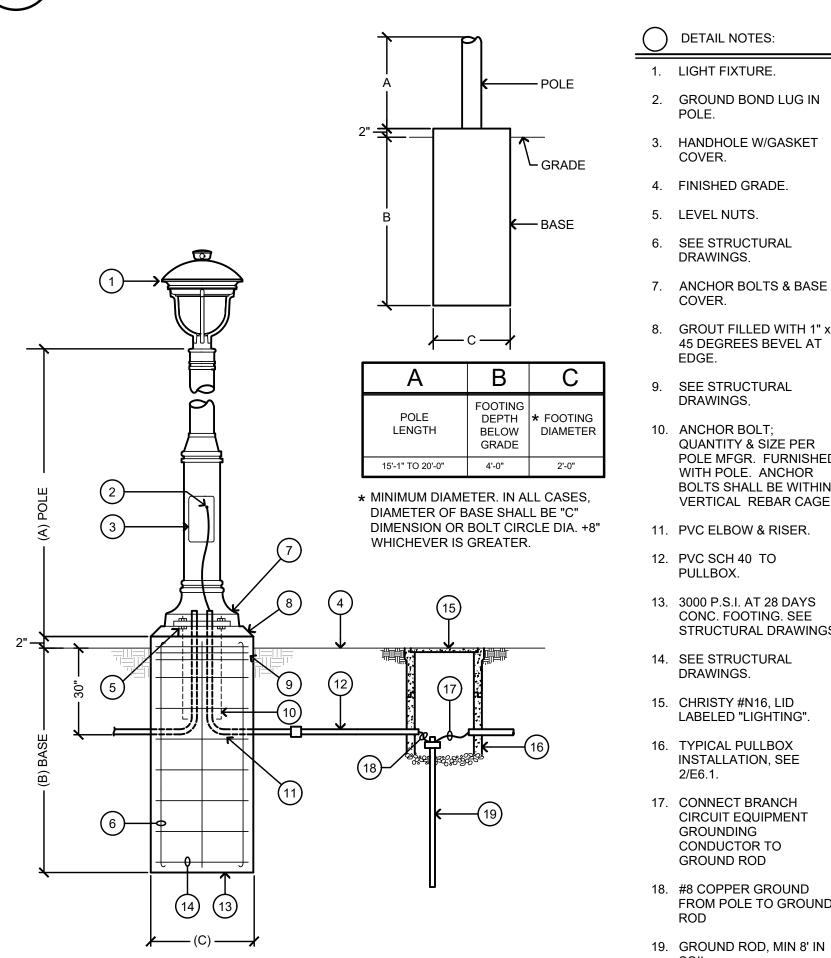
PULLBOX.

COVER.

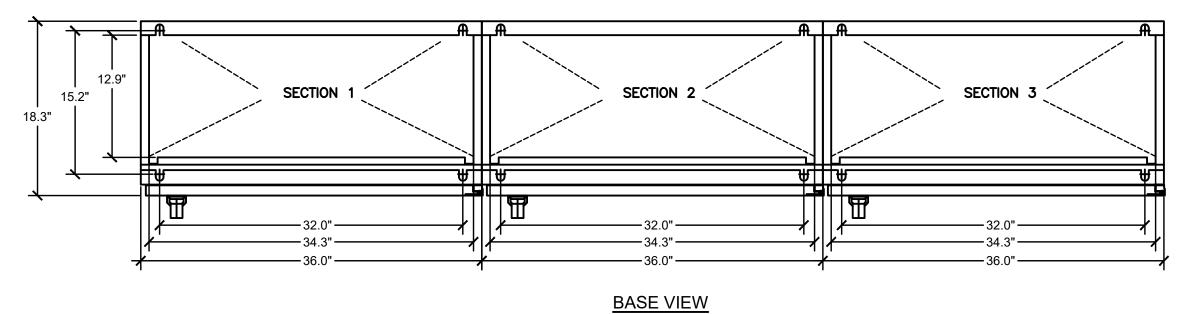
EDGE.

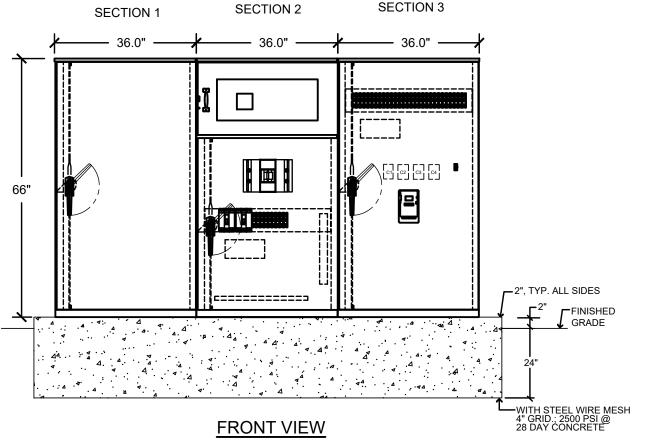
22. GROUND ROD, MIN 8' IN SOIL

POLE BASE DETAIL - TYPE XC



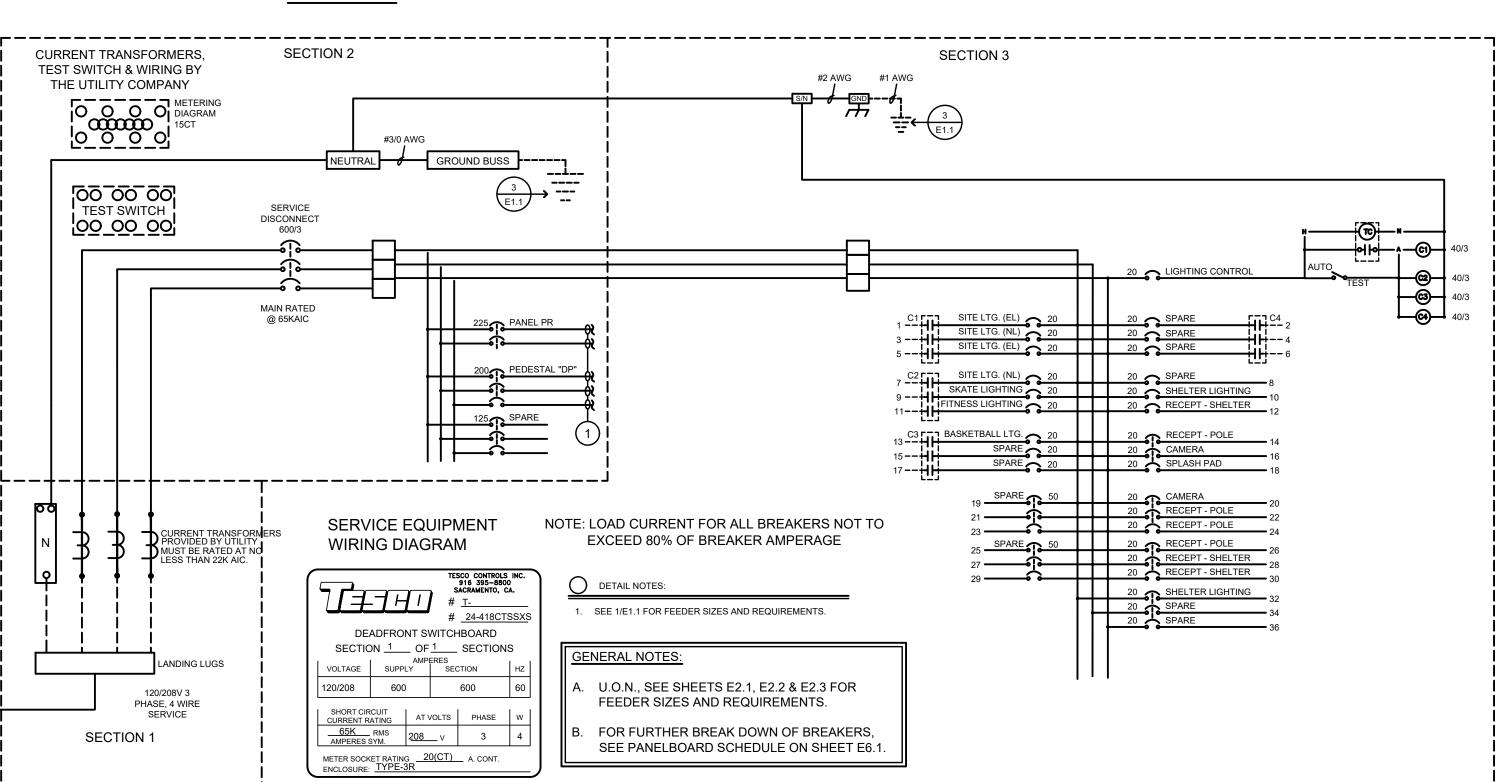
FIXTURE TYPE "XA" MOUNTING





ENCLOSURE CONSTRUCTION NOTES:

- 1. FABRICATED FROM 14 GA #304 STAINLESS STEEL INT. 14 GA. COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- 2. CONSTRUCTION WILL BE NEMA 3R, RAINTIGHT.
- 3. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
- 4. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE. 5. NAMEPLATES WILL BE PROVIDED AS REQUIRED.
- 6. CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
- 7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- 8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA
- AND UL 508A STANDARDS. 9. ENCLOSURE RATED AT 65K AIC WITH EXCEPTION OF METER SOCKET AND SUPPORT HARDWARE
- 10. SERVICE ENCLOSURE SHALL MEET EUSERC REQUIREMENTS. 11. SERVICE ENCLOSURE SHALL BE PAINTED CITY APPROVED COLOR.



SERVICE PEDESTAL DETAIL (MSB)

★ PER PG&E RULES, REGULATIONS & STANDARDS.

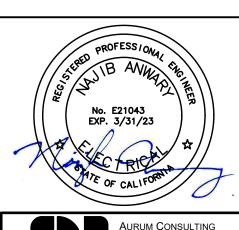


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ELECTRICAL DETAILS

• 04 . 26. 2022

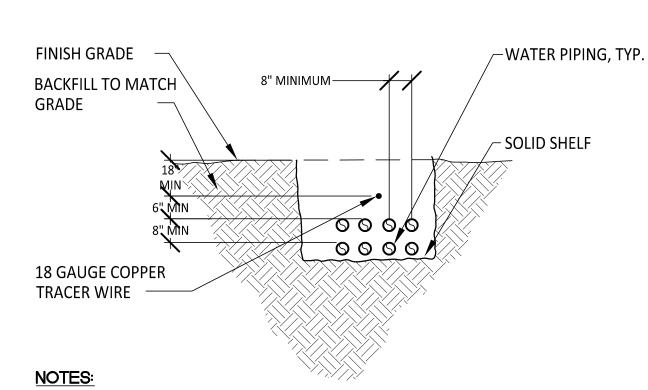
JOB • 200009.00

PLUMBING SPECIFICATION

- 1. SCOPE: PROVIDE PLUMBING SYSTEMS, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS AND SERVICES.
- 2. <u>COORDINATION:</u> COORDINATE WITH GENERAL CONTRACTOR AND ALL OTHER TRADES.
- 3. CODES: THIS WORK SHALL CONFORM TO ALL LOCAL CODES, UNIFORM BUILDING CODE, UNIFORM MECHANICAL CODE AND
- 4. FEES: CONTRACTOR SHALL PAY ALL FEES IN CONNECTION WITH THIS WORK. CONNECTION CHARGES BY OWNER.
- DRAWINGS: DRAWINGS ARE SCHEMATIC. ALL EQUIPMENT LOCATIONS SHALL BE VERIFIED IN THE FIELD AND APPROVED BY
- CUTTING: REPAIR ALL SURFACES CUT IN THIS WORK TO MATCH ORIGINAL. NO CUTTING OF STRUCTURAL ELEMENTS IS ALLOWED WITHOUT PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.
- MAINTENANCE: ALL EQUIPMENT SHALL BE ACCESSIBLE FOR MAINTENANCE.
- 8. GUARANTEE: ALL WORKMANSHIP, EQUIPMENT AND MATERIALS SHALL BE GUARANTEED FOR ONE YEAR AFTER DATE OF
- 9. SUBMITTALS: WITHIN 15 DAYS AFTER SIGNING A CONTRACT, PROVIDE SUBMITTALS ON ALL PLUMBING EQUIPMENT.
- 10. STRUCTURAL: CONTRACTOR SHALL CONSULT AND OBTAIN DIRECTION FROM THE STRUCTURAL ENGINEER ON STRUCTURAL SUPPORT OF ALL PLUMBING EQUIPMENT.
- 11. TESTING, ADJUSTING AND CLEANING: TEST ALL PIPING, VALVES, CLEAN OUTS, ETC. AS LISTED BELOW AND PROVIDE THE ARCHITECT WITH CERTIFIED COPIES OF TEST RESULTS. THE INSPECTION AUTHORITY HAVING JURISDICTION AND THE SUPERVISING ARCHITECT SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO PERFORMANCE OF ALL TESTS SO THAT THEY
- ALL WATER PIPING SHALL BE TESTED TO 100 PSIG WITH POTABLE WATER AND HELD FOR 2 HOURS WITHOUT DROP IN PRESSURE BEFORE IT IS COVERED AND CONCEALED. EQUIPMENT AND PERSONNEL SHALL BE PROTECTED FROM THIS TEST
- ADJUST AND REGULATE ALL VALVES, CONTROLS EQUIPMENT, ETC. AND TURN OVER TO THE OWNER IN PERFECT WORKING
- UPON COMPLETION OF THE WORK, CLEAN ALL EQUIPMENT AND PIPING INSTALLED UNDER THIS SECTION AND THOROUGHLY WASH AND POLISH ALL PLUMBING FIXTURES, FITTINGS AND TRIM, REMOVING LABELS THEREFROM.
- 12. VERIFICATION OF EXISTING CONDITIONS: IT SHALL BE ONE OF THE RESPONSIBILITIES UNDER THIS SECTION TO EXAMINE THE SITE OF WORK AND, AFTER INVESTIGATION, TO DETERMINE THE CHARACTER OF THE MATERIALS TO BE ENCOUNTERED AND THE EXISTING CONDITIONS AFFECTING THE WORK.
- 13. EXCAVATION AND BACKFILLING: EXCAVATION SHALL BE UNCLASSIFIED AND SHALL INCLUDE THE REMOVAL OF ALL BURIED OBSTRUCTIONS WITHIN THE AREA TO BE EXCAVATED. TRENCH TO REQUIRED DEPTHS. TRENCH TO BE FREE OF WATER.
- TAMP BOTTOM OF TRENCH. PIPE SHALL REST FOR ENTIRE LENGTH ON SOLID GROUND. REMOVE ALL ROCKS AND TAMP AND COMPACT SAND ON BOTTOM OF TRENCH BEFORE LAYING PIPE. INSTALLED PIPING TO BE TESTED, INSPECTED AND APPROVED FOR BACKFILL MATERIAL. MATERIAL: IMPORTED SANDY SOIL IN LAYERS NOT EXCEEDING 8". MOISTEN AND MACHINE TAMP TO ORIGINAL CONDITION. BACKFILL SHALL BE COMPACTED TO A DENSITY OF 95% AS DETERMINED BY THE LABORATORY TEST PROCEDURE IN ASTM D1557.
- 14. STERILIZATION: BEFORE BEING PLACED IN SERVICE, ALL DOMESTIC COLD WATER DISTRIBUTION SYSTEMS SHALL BE STERILIZED IN ACCORDANCE WITH THE AWWA STANDARD SPECIFICATION, LATEST EDITION AND AMENDMENTS. AFTER STERILIZATION, THE SYSTEM SHALL BE FLUSHED WITH POTABLE WATER UNTIL THE STERILIZATION RESIDUE IS WITHIN THE TOLERABLE LIMITS FOR DOMESTIC WATER.

15. MATERIALS

WATER PIPING: ALL BELOW GROUND AND INDOOR PIPING SHALL BE ASTM D 1785 SCHEDULE 80 PVC PIPE PRIME AND SOLVENT WELD WITH MANUFACTURER APPROVED ASTM D 2467 FITTINGS CHARLOTTE PIPE OR EQUAL. ALL EXPOSED OUTDOOR PIPING SHALL BE HARD COPPER TYPE "K" TUBING CONFORMING TO ASTM B88 WITH WROUGHT COPPER



- 1. FOR PIPE SIZES AND LOCATIONS, SEE PLANS.
- 2. SEE SHEET SPECIFICATIONS FOR BACKFILL REQ'S.

TRENCH DETAIL

NO SCALE

GENERAL NOTES

- 1. THE PLANS AND SPECIFICATIONS INDICATE THE GENERAL EXTENT OF THE WORK BASED ON OWNER PROVIDED RECORD DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL VISIT SITE, VERIFY EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES NOTED TO THE ARCHITECT PRIOR TO SUBMITTING A BID. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND RECONNECTION OF MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS NECESSARY TO ACCOMPLISH THE WORK WHETHER OR NOT SPECIFIED AND/OR INDICATED.
- 2. ANY REQUIRED ASBESTOS ABATEMENT WORK WILL BE PROVIDED BY OTHERS. AREAS SUSPECTED OF ASBESTOS CONTAMINATION WHICH INTERFERE WITH WORK UNDER THIS PROJECT SHALL BE IDENTIFIED DURING THE EARLY PHASES OF CONSTRUCTION IN ORDER TO PROVIDE FOR TIMELY DISPOSITION. NO DELAYS IN CONSTRUCTION SCHEDULE WILL BE ALLOWED DUE TO IMPROPER COORDINATION.
- 3. PLUMBING CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR TO REPAIR WALL, FLOOR, AND CEILING SURFACES AS REQUIRED DUE TO DEMOLITION OR INSTALLATION WORK.
- 4. REMOVE ALL ABANDONED PIPING, EQUIPMENT, AND FIXTURES INTERFERING WITH NEW WORK WHETHER NEW WORK IS ARCHITECTURAL, STRUCTURAL, MECHANICAL, OR ELECTRICAL.
- 5. ABANDON IN PLACE ALL PIPING NOT INTERFERING WITH NEW WORK UNLESS REQUIRED FOR CONTINUED SERVICE.
- 6. CUTTING OR CORING OF STRUCTURAL MEMBERS OR FOOTINGS IS PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER AND THE ARCHITECT.

ACTIVATOR

011

"REFER TO ELECTRICAL

SCHEMATICS AND

- 7. COORDINATE WITH OWNER ON SPACE REQUIRED AND TIME SCHEDULE FOR DELIVERY OF ALL ITEMS WHICH ARE TO BE GIVEN TO THE OWNER FOR HIS DISPOSITION.
- 8. PRIME AND PAINT ALL EXPOSED PIPING PER ARCHITECTURAL SPECIFICATIONS.

ACTIVATOR CONTROL SCHEDULE

:05 | 105 |

2:06 | (106 |

2:08 108

FEATURE

ITEM | FEATURE DESCRIPTION | QTY

12' HIGH

4 (8) GPM @ 4 PSI

DANDELION DOME

WATER WEAVE

14 GPM @ 2 PSI

11.5 (23) GPM @ 12 PSI

SIMPLE SPRAY

4' HIGH

1 (2) GPM @ 20 PSI

LAUNCH PAD HARD-WIRED

CUSTOM PLAIN DRAIN

W200-W23034 W/ BOTTOM OUTLET 50 GPM FLOW RATE EA

TOTAL GPM 66

POTABLE MECHANICAL EQUIPMENT

PRE-WIRED STAND MOUNTED

DISTRIBUTION MANIFOLI STAND MOUNTED PRE-WIRED ABOVE GRADE -6072-8 MANIFOLD ENCLOSURE BOX PRESSURE REDUCING VALVE 80 GPM MAX @ 20 PSI

1. THIS DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS

CODES MUST DETERMINE FINAL ROUTING.

AND DRAINS ARE APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC. JOB CONDITIONS AND LOCAL

2. WET DECK AREA MUST BE POURED AND FORMED SO

1. THIS DRAWING IS SCHEMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS AND DRAINS ARE

AND EQUIPMENT VAULT OR UTILITY BOX FOR SPECIFIC

4. PIPING, CONDUIT, AND WIRE ARE BY INSTALLER.

FEATURES. VELOCITY NOT TO EXCEED 8FT/SECOND. 7. A MAXIMUM OF 50 PSI @ PROVIDED MANIFOLD.

WATER SHED AREA SLOPES TOWARD DRAINS.

SCALE - 3/16"=1' @ 11" x 17"

SLOPE FOR WINTERIZATION.

1454 SQ FT

CITY WATER MAIN SHALL BE PROVIDED BY INSTALLER.

INSTALLATION DETAILS.

APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC. 2. CHECK LOCAL CODES FOR PIPING REQUIREMENTS. JOB CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING. 3. REFER TO THE INSTALLATION DRAWING OF EACH PLAY FEATURE

5. ANY REQUIRED BACKFLOW DEVICE OR WATER METER ON THE

6. PIPE SIZES ASSUME 100' MAXIMUM RUNS. LONGER RUNS MUST BE

EVALUATED BY WATER ODYSSEY. CONTRACTOR RESPONSIBLE FOR VERIFICATION OF PIPE SIZE BETWEEN DISCHARGE MANIFOLD AND

8. SYMBOL "*" INDICATES THAT THE TEE MUST BE PLACED IN THE CENTER OF THE PIPING RUN TO ENSURE BALANCED FLOW.

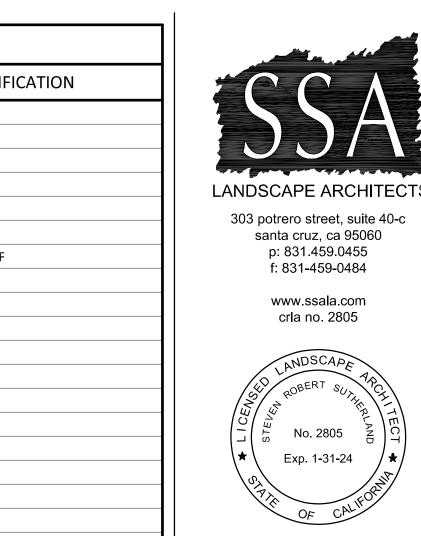
10. ALL PIPING TO FEATURES ARE RECOMMENDED TO HAVE 1%-2%

9. WET DECK AREA MUST BE POURED AND FORMED SO THAT

THAT WATER SHED AREA SLOPES TOWARD DRAINS.

9. ALL PIPING, VALVES, EQUIPMENT, ETC. SHOWN IS NEW UNLESS OTHERWISE NOTED.

	PLUMBING LEGEND			
SYMBOL	ABBRV.	IDENTIFICATION	ABBRV.	IDENTIFICATION
	- CW	COLD WATER (DOMESTIC)	COORD	COORDINATE
	- CW	COLD WATER (BELOW GRADE)	DN	DOWN
—	- G	GAS (7"WC)	DWGS	DRAWINGS
— Е ——	- E	ELECTRICAL LINE	(E)	EXISTING
—ICW——	- ICW	IRRIGATION CONTROL WIRE	MIN	MINIMUM
JT	- JT	JOINT TRENCH LINE (ELECT.)	(N)	NEW
W	S OR W	SOIL OR WASTE ABOVE GRADE	VTR	VENT THROUGH ROOF
—w— —	S OR W	SOIL OR WASTE BELOW GRADE	W/	WITH
0	-	RISE UP		
С	- ELL	ELBOW DOWN		
	- TEE	TEE DOWN		
E	-	CAP		
\	- CONT	CONTINUATION		
	-	BALL VALVE		
	-	UNION		
101	- WHA	WATER HAMMER ARRESTOR		
	НВ	HOSE BIBB		
Φ	GCO/FCO	GRADE CLEAN-OUT/FLOOR CLEAN-OUT		
 	wco	WALL CLEAN-OUT		
—————————————————————————————————————		THERMOMETER		
•	POC	POINT OF CONNECTION		



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PLAN/AW

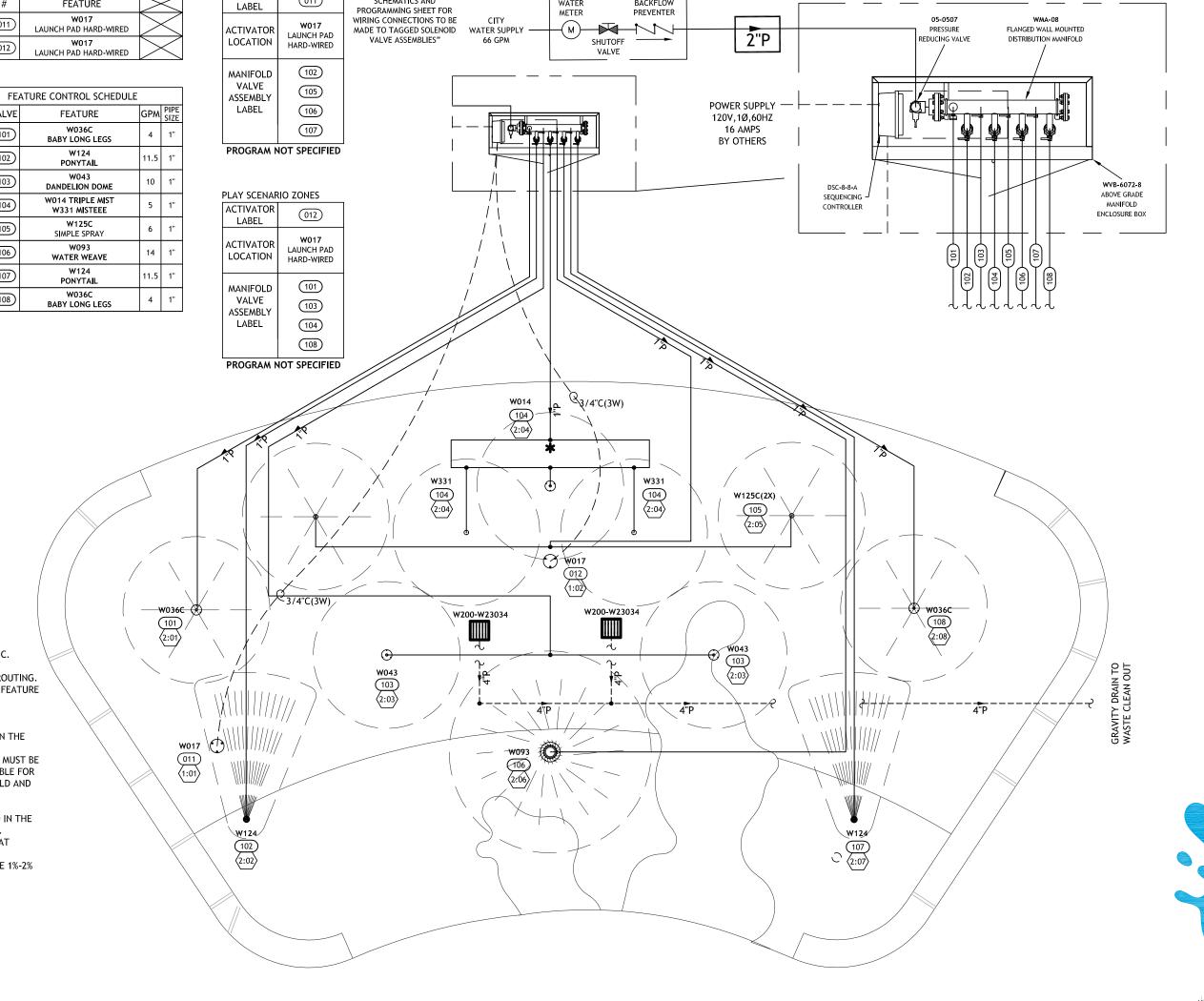
PIPE/AW

REVISIONS NO. DATE PURPOSE

DRAWN BY • CADD CHECKED • SLR AS NOTED SCALE • 04.26.2022 JOB • 200009.00

> SITE PLUMBING

KEYMAP



1. PIPE SIZES FROM VAULT TO FIXTURE SHALL BE PER SP1.0. PIPE SIZES INDICATED ON THIS DIAGRAM INDICATE CONNECTION SIZE AT FIXTURE. REDUCE TO FIXTURE PIPE SIZE WITHIN 5' OF FIXTURE.





₩ ENGINEERS SM 303 Potrero St., Suite 43-108 Santa Cruz, Calífornia 95060-2777

No. M33543

EXP. SEPT. 30, 2022

AE Project #: 20200193

- 1. ALL SITE DOMESTIC WATER PIPING IS UNDERGROUND UNLESS OTHERWISE NOTED. TRENCH GRADE AND SAWCUT CONCRETE AS NEEDED FOR INSTALLATION OF ALL NEW PIPE.
- 2. ALL SITE PIPING SHOWN HERE IS APPROXIMATELY LOCATED BASED ON LIMITED SITE DOCUMENTATION. CONTRACTOR SHALL CONDUCT A FIELD SURVEY PRIOR TO BEGINNING WORK AND REPORT ANY RECOMMENDED VARIATION IN PROPOSED ROUTING TO ENGINEER.
- SHEET NOTES:

 (1) EIGHT INDIVIDUAL SCHEDULE 80 PVC CW BRANCH LINES BETWEEN SPLASH PAD AND CONTROLLER VAULT. SEE 2/SP0.1 FOR TRENCH

303 Potrero St., Suite 43-108 Santa Cruz, California 95060-2777

AE Project #: 20200193

2 REFER TO 1/SP0.1 FOR PIPING DIAGRAM AND FOUNTAIN CONNECTION REQUIREMENTS.



303 potrero street, suite 40-c santa cruz, ca 95060 p: 831.459.0455

f: 831-459-0484

www.ssala.com crla no. 2805



PLUMBING - SPLASH PAD PLAN

AGENCY APPROVAL

REVISIONS NO. DATE PURPOSE

DRAWN BY • CADD

CHECKED • SLR

SCALE • 1" = 20'-0"

DATE • 04.26.2022

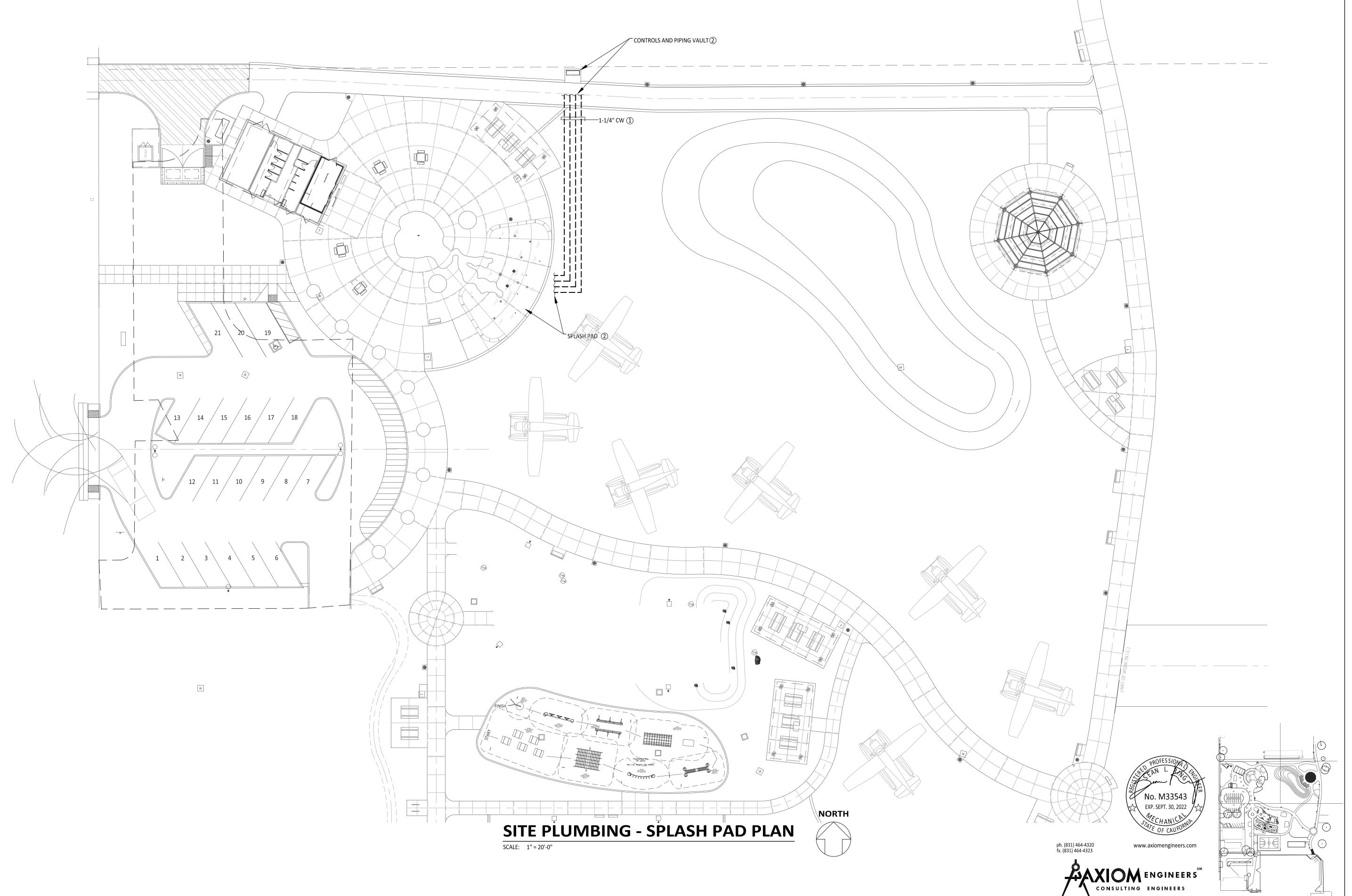
JOB • 200009.00

PLUMBING SITE PLAN

- CUIEFT

KEYMAP

SP1.0



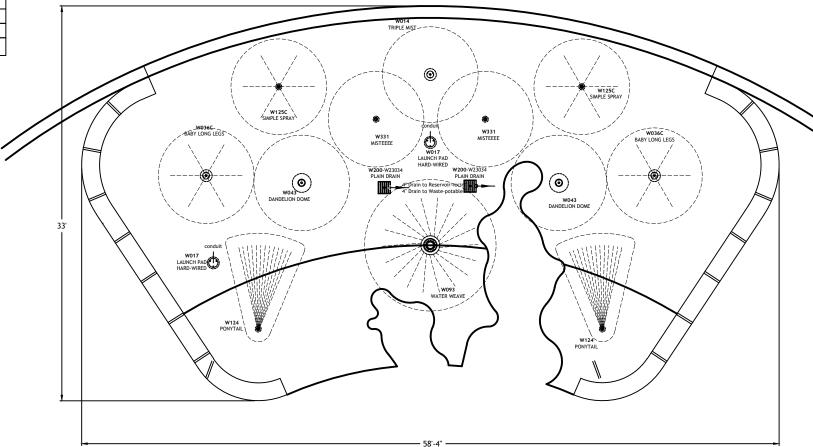
ITEM	FEATURE DESCRIPTION	QTY
W014	TRIPLE MIST 12' HIGH 3 GPM @ 20 PSI	1
W036C	BABY LONG LEGS 6' HIGH 4 (8) GPM @ 4 PSI	2
W043	DANDELION DOME 5 (10) GPM @ 3 PSI	2
W093	WATER WEAVE 4' HIGH - 8' SPREAD 14 GPM @ 2 PSI	1
W124	PONYTAIL 12' HIGH - 6' THROW 11.5 (23) GPM @ 12 PSI	2
W125C	SIMPLE SPRAY 4' HIGH 3 (6) GPM @ 3 PSI	2
W331	MISTEEEE 1 (2) GPM @ 20 PSI	2
W017	LAUNCH PAD HARD-WIRED	2
W200- W23034	CUSTOM PLAIN DRAIN W/ BOTTOM OUTLET 50 GPM FLOW RATE FA	2

DSC-8-8-A	PRE-WIRED STAND MOUNTED	1
WMA-08	FLANGED WALL MOUNTED DISTRIBUTION MANIFOLD STAND MOUNTED PRE-WIRED	1
WVB -6072-8	ABOVE GRADE MANIFOLD ENCLOSURE BOX	1
05-0507	PRESSURE REDUCING VALVE 80 GPM MAX @ 20 PSI	1
		_

POTABLE MECHANICAL EQUIPMENT

SEQUENCING CONTROLLER

TOTAL GPM 66



1454 SQ FT

SCALE - 3/16"=1' @ 11" x 17"

NOTES: 1. THIS DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS AND DRAINS ARE APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC. JOB CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING. 2. WET DECK AREA MUST BE POURED AND FORMED SO THAT WATER SHED AREA SLOPES TOWARD DRAINS.

- 21

733034 Fig. 1 Fig. E Fig. 6A Fig. 1 Fig. 1 Of 1 Fig. 102 - 11

Water Odyssey." by Fourtain People, Inc. - PO Box 807 - San Marccos, Texas 78667-0807

Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

W23034

PLAN/JH PIPE

SALES/LW

LAKEFRONT PARK SPRAY PAD PLAN VIEW

ITEM	FEATURE DESCRIPTION	QTY
W014	TRIPLE MIST 12' HIGH 3 GPM @ 20 PSI	1
W036C	BABY LONG LEGS 6' HIGH 4 (8) GPM @ 4 PSI	2
W043	DANDELION DOME 5 (10) GPM @ 3 PSI	2
W093	WATER WEAVE 4' HIGH - 8' SPREAD 14 GPM @ 2 PSI	1
W124	PONYTAIL 12' HIGH - 6' THROW 11.5 (23) GPM @ 12 PSI	2
W125C	SIMPLE SPRAY 4' HIGH 3 (6) GPM @ 3 PSI	2
W331	MISTEEEE 1 (2) GPM @ 20 PSI	2
W017	LAUNCH PAD HARD-WIRED	2
W200- W23034	CUSTOM PLAIN DRAIN W/ BOTTOM OUTLET 50 GPM FLOW RATE EA	2

TOTAL GPM 66

POTABLE MECHANICAL EQUIPMENT		
DSC-8-8-A	SEQUENCING CONTROLLER PRE-WIRED STAND MOUNTED	1
WMA-08	FLANGED WALL MOUNTED DISTRIBUTION MANIFOLD STAND MOUNTED PRE-WIRED	1
WVB -6072-8	ABOVE GRADE MANIFOLD ENCLOSURE BOX	1
05-0507	PRESSURE REDUCING VALVE 80 GPM MAX @ 20 PSI	1

1. THIS DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS AND DRAINS ARE APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC. JOB CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING. 2. WET DECK AREA MUST BE POURED AND FORMED SO

THAT WATER SHED AREA SLOPES TOWARD DRAINS.

1. THIS DRAWING IS SCHEMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS AND DRAINS ARE APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC. 2. CHECK LOCAL CODES FOR PIPING REQUIREMENTS. JOB CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING. 3. REFER TO THE INSTALLATION DRAWING OF EACH PLAY FEATURE

AND EQUIPMENT VAULT OR UTILITY BOX FOR SPECIFIC INSTALLATION DETAILS.

4. PIPING, CONDUIT, AND WIRE ARE BY INSTALLER.
5. ANY REQUIRED BACKFLOW DEVICE OR WATER METER ON THE

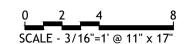
CITY WATER MAIN SHALL BE PROVIDED BY INSTALLER. 6. PIPE SIZES ASSUME 100' MAXIMUM RUNS. LONGER RUNS MUST BE EVALUATED BY WATER ODYSSEY. CONTRACTOR RESPONSIBLE FOR VERIFICATION OF PIPE SIZE BETWEEN DISCHARGE MANIFOLD AND FEATURES. VELOCITY NOT TO EXCEED 8FT/SECOND.

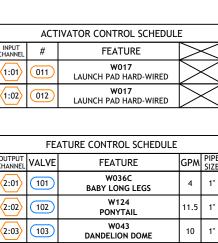
7. A MAXIMUM OF 50 PSI @ PROVIDED MANIFOLD.

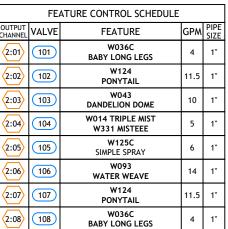
8. SYMBOL "*" INDICATES THAT THE TEE MUST BE PLACED IN THE CENTER OF THE PIPING RUN TO ENSURE BALANCED FLOW. 9. WET DECK AREA MUST BE POURED AND FORMED SO THAT

WATER SHED AREA SLOPES TOWARD DRAINS. 10. ALL PIPING TO FEATURES ARE RECOMMENDED TO HAVE 1%-2% SLOPE FOR WINTERIZATION.

1454 SQ FT







−₩036C -(X)

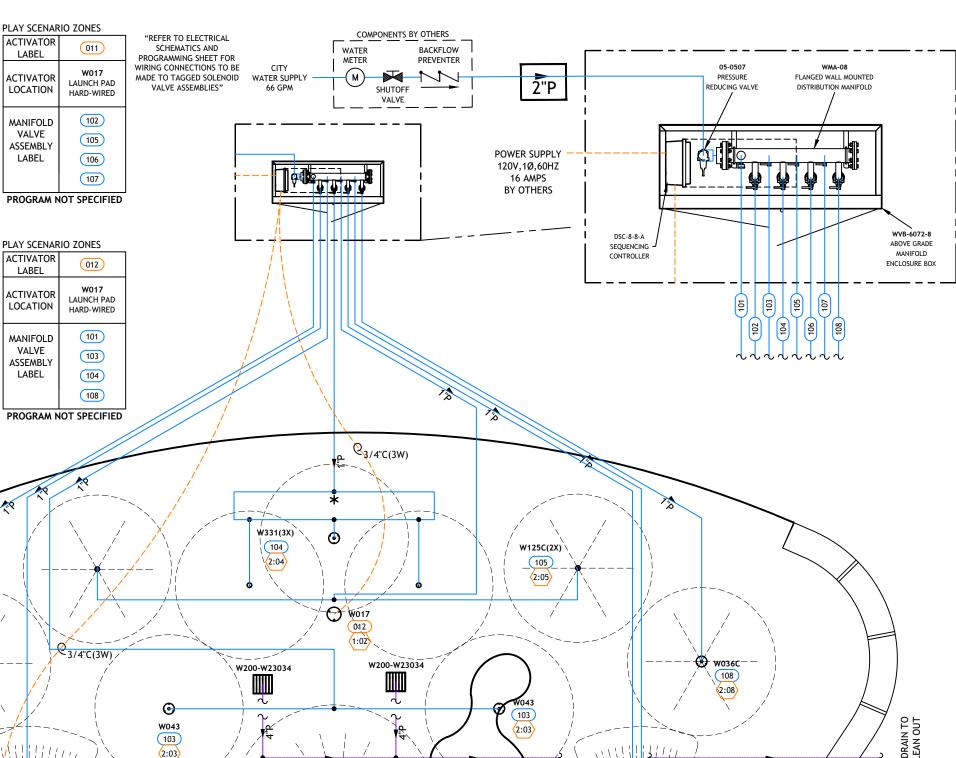
W017

(1:01)

102

(2:02)

(2:01)



4"P

106



4"P

W124

107

DWG NO SALES/LW A PACORE

W23034 PLAN/AW PIPE/AW

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of Texas

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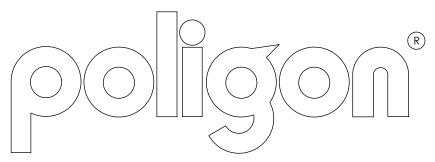
PAD

SPRAY

PARK

LAKEFRONT PIPINC

DIAGRAM



A Division of PORTERCORP 4240 N 136th AVE HOLLAND MI 49424 (616) 888-3500 Designs and calculations of Poligon buildings are protected under copyright laws and patents and may not be used in the construction or design of a building that is not supplied by Poligon Copyright laws protect the style and visual appearance of the structure while patents may protect other parts of the design.

PROJECT NAME: LAKEFRONT PARK

PROJECT LOCATION: LAKEPORT, CA

BUILDING TYPE: GCO3-40

ROOF TYPE: MULTI-RIB

BUILDING NUMBER: P12558

ORDER NUMBER: 69561



DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ARCHITECTURAL ELEVATIONS
2-2.1	ANCHOR AND FOOTING LAYOUT / DETAILS
3-3.2	STRUCTURAL FRAMING PLAN
4-4.3	FRAME CONNECTION DETAILS
5-5.1	ROOF LAYOUT
6-6.3	ROOF CONNECTION DETAILS

MANUFACTURER NOTES:

MATERIALS:

SCHEDULE PIPE A53 (GRADE B) RMT PIPE LIGHT GAGE COLD FORMED A1003 (GRADE 50) STRUCTURAL STEEL PLATE **ROOF PANELS (STEEL)** ANCHOR BOLTS SEE SHEET 2.1

GENERAL NOTES:
UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. POLIGON MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 20' SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST, POLIGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL.

ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS AND FINAL INSTALLATION INSTRUCTIONS INCLUDED WITH THE STRUCTURE FOR POSSIBLE SUBSTITUTIONS AND IMPROVEMENTS.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

CERTIFICATES:
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 20-0825.04 PCI (POWDER COATING INSTITUTE) 4000 CERTIFIED

FABRICATOR APPROVALS:
CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #FB01596 CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SF 000042 CITY OF HOUSTON, TX APPROVED FABRICATOR #470 CLARK COUNTY, NV APPROVED FABRICATOR #264 STATE OF UTAH APPROVED FABRICATOR 02008-14 AISC APPROVED FABRICATOR 219101051-01RFN



DESIGN CRITERIA:

GENERAL:

2019 CALIFORNIA BUILDING CODE RISK CATEGORY: II

DEAD LOAD:

ROOF DEAD LOAD: 2 PSF FRAME DEAD LOAD: SELF WEIGHT

ROOF LIVE LOAD: 20 PSF

SNOW DESIGN DATA:

GROUND SNOW LOAD (Pg): 5 PSF FLAT ROOF SNOW LOAD (Pf): 5 PSF SNOW EXPOSURE FACTOR (Ce): 1.0 SNOW LOAD IMPORTANCE FACTOR (Is): 1.0 THERMAL FACTOR (Ct): 1.2

WIND DESIGN DATA:

BASIC WIND SPEED (V): 95 MPH GUST EFFECT FACTOR (G): 0.85 INTERNAL PRESSURE COEFFICIENT (GCpi): 0 WIND EXPOSURE: C

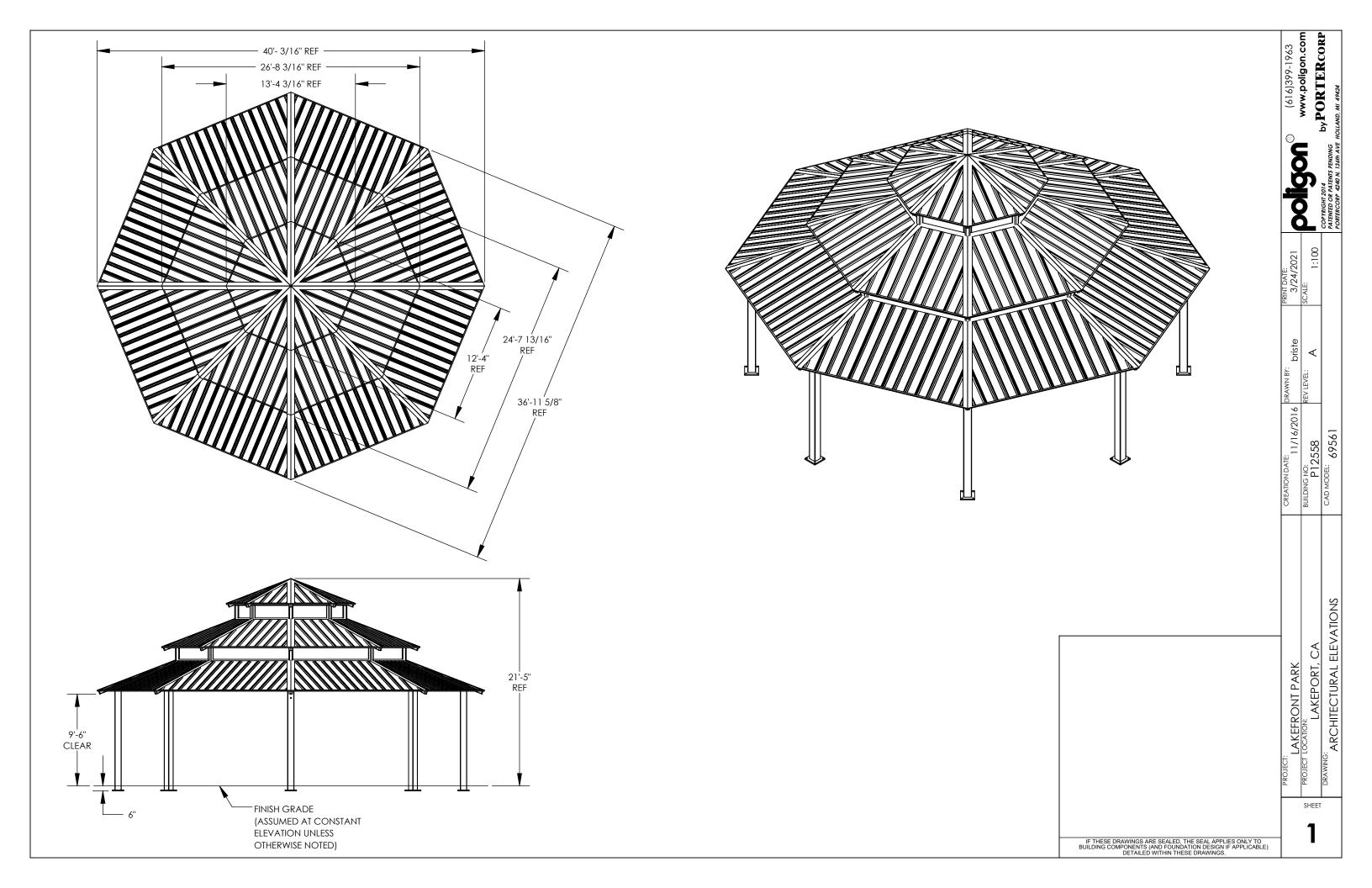
SEISMIC DESIGN DATA:

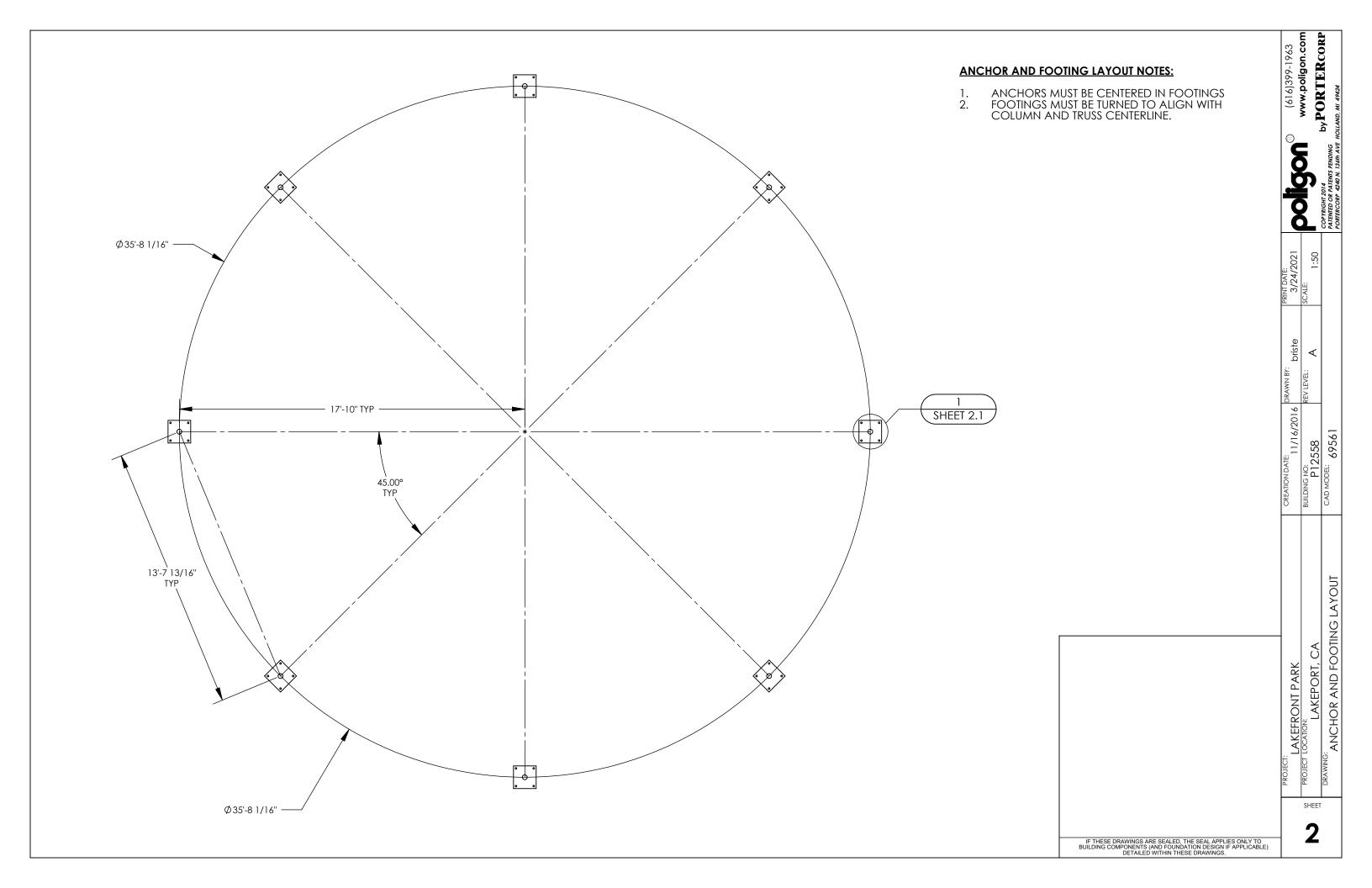
STEEL ORDINARY CANTILEVER COLUMN SYSTEMS SEISMIC IMPORTANCE FACTOR (Ie): 1.0 SEISMIC DESIGN CATEGORY: D SEISMIC SITE CLASS: D SEE CALCULATIONS FOR ADDITIONAL DATA

ADDITIONAL CRITERIA:

NONE

89 11/16/2016 -AKEPORT





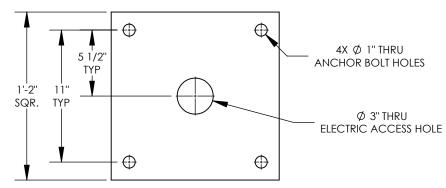
(LOCATED AT CENTER OF FOOTING) EXPANSION MATERIAL ON ALL SIDES OF COLUMN (2) 3/4" NUT FINISHED GRADE (2) 3/4" WASHER (ASSUMED AT CONSTANT ELEVATION (4) PLACES **UNLESS OTHERWISE NOTED)** (ENSURE 4 +1/2 EXPOSED FROM TOP **OPTIONAL SLAB &** OF FOOTING) **EXPANSION MATERIAL** NOT BY MANUFACTURER 6'-0'' MINIMUM SEE SHEET 1 SQUARE TOP OF CONCRETE FOOTING MINIMUM NON-SHRINK GROUT UNDER BASEPLATE (1-1/2" MAXIMUM) **ENSURE 3" CLEAR DISTANCE BETWEEN** -EDGE OF REINFORCING AND EDGE OF Ø3/4" X 16" LONG CONCRETE FOOTING (TOP, SIDE, AND BOTTOM) **ANCHOR BOLT** (4) PLACES (5) #6 HORIZONTAL BARS (EQ. SPACED) (11" MINIMUM EMBEDMENT EACH WAY, TOP & BOTTOM FROM TOP OF FOOTING TO TOP OF HEAD/THREADED NUT)

PAD FOOTING OPTION (EXTERNAL ANCHOR BOLTS)

FOOTING DESIGN BY MANUFACTURER, FOOTING MATERIALS BY OTHERS. (TYPICAL WITH EACH COLUMN, QTY OF REINFORCING AND ANCHOR BOLTS SHOWN IN DRAWINGS MAY NOT REFLECT REQUIREMENTS)

ANCHOR BOLT NOTES - EXTERNAL (ANCHOR BOLTS LOCATED OUTSIDE COLUMN):

- ANCHOR BOLTS SHALL BE ASTM F1554 (GRADE 55) MATERIAL UNLESS OTHERWISE NOTED.
- 2. ANCHOR BOLTS SHALL BE EITHER "HEADED" OR "THREADED WITH NUT" AS DEFINED IN THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL.
- 3. HOOKED ANCHOR BOLTS ARE NOT ACCEPTABLE.
- 4. ACCURATE ANCHOR BOLT PLACEMENT IS CRITICAL. TO ENSURE THE ANCHOR BOLT LAYOUT MEETS THE DIMENSIONS REQUIRED ON THE DRAWINGS, SURVEY (OR MEASURE) THE LOCATION OF ALL ANCHOR BOLTS PRIOR TO POURING THE FOOTINGS. AN ADDITIONAL SURVEY (OR MEASUREMENT) SHOULD BE MADE AFTER THE FOOTINGS ARE POURED TO CONFIRM THE ANCHOR BOLTS DID NOT SHIFT DURING THE CONCRETE POUR.
- 5. THE MANUFACTURER STRONGLY RECOMMENDS USING ANCHOR BOLT TEMPLATES BECAUSE THEY SIGNIFICANTLY IMPROVE THE ACCURACY OF ANCHOR BOLT PLACEMENT. AN ANCHOR BOLT TEMPLATE IS PROVIDED WITH ANY ANCHOR BOLT KIT PURCHASED.
- IF OUTSIDE CONSULTING ENGINEERS ARE DESIGNING THE FOUNDATIONS FOR THIS STRUCTURE, THEY MUST REFER TO THE MANUFACTURER'S CALCULATIONS FOR MINIMUM CONCRETE PROPERTIES (COMPRESSIVE STRENGTH, EDGE DISTANCE, ETC.) REQUIRED FOR THE ANCHOR BOLT DESIGN.
- 7. ELECTRICAL ACCESS HOLE IS ALWAYS LOCATED IN THE COLUMN BASE PLATE AS SHOWN.
- 8. GROUT UNDER BASEPLATES SHALL BE NON-METALLIC, NON-SHRINK GROUT WITH MINIMUM f'c=6500 PSI.
- P. THE CALCULATIONS FOR THIS STRUCTURE ASSUME A FIXED COLUMN BASE.
- 10. THE FOLLOWING ADHESIVE ANCHORS MAY BE SUBSTITUTED FOR THE CAST-IN-PLACE ANCHOR BOLTS: -HILTI HIT-HY 200 (A OR R) ADHESIVE WITH Ø 3/4" HAS-E ROD WITH MINIMUM 11" EMBEDMENT. CONTRACTOR SHALL FOLLOW ALL INSTALLATION SPECIFICATIONS AND REQUIREMENTS OF ANCHOR MANUFACTURER.



1 ANCHOR BOLT PATTERN
2 BASE PLATE THICKNESS: 1-1/4"

FOUNDATION NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE, AMERICAN CONCRETE INSTITUTE, AND ALL APPLICABLE STATE AND LOCAL ORDINANCES AND REQUIREMENTS.
- THE CONCRETE DESIGN IS BASED ON THE FOLLOWING PROPERTIES:
 - 28 DAY STRENGTH OF 4500 psi.
 - SLUMP OF 4" (+/-1").
- THE FOOTING SHALL BEAR ON COMPETENT UNDISTURBED SOIL OR 95% COMPACTED FILL. IF SIGNS OF ORGANIC MATERIAL, UNCONTROLLED FILL, CLAY OR SILT, HIGH WATER TABLE OR OTHER POSSIBLE DETRIMENTAL CONDITIONS ARE FOUND, INSTALLATION OF THE FOUNDATION MUST BE DISCONTINUED AND A SOILS ENGINEER CONTACTED.
- 4. THE REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
- IF FOOTING DEPTH SHOWN DOES NOT MEET LOCAL FROST REQUIREMENTS, THE DRILLED PIER FOOTING MAY BE EXTENDED. EXTEND VERTICAL BARS AS REQUIRED AND PROVIDE ADDITIONAL TIES TO MEET SPACING REQUIREMENTS AS SHOWN. IF LOCAL FROST DEPTH REQUIREMENTS ARE NOT MET AND NO DRILLED PIER FOOTING OPTION IS GIVEN, CONTACT ENGINEERING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST LINE DEPTH BELOW GRADE PRIOR TO CONSTRUCTION.

THE FOUNDATION DESIGN CONTAINED HEREIN IS SITE SPECIFIC, AND IS BASED ON TECHNICAL MEMORANDUM GEOTECHNICAL EXPLORATION LAKE FRONT PARK DESIGN, 800 NORTH MAIN STREET, LAKEPORT, CA, BY LACO. DATED 08/03/2020. REPORT NO. 9611.00. PROPER CARE MUST BE TAKEN TO ENSURE ANY AND ALL RECOMMENDATIONS, OF THE ABOVE-MENTIONED REPORT, FOR SITE PREPARATION, SOIL PERFORMANCE AND FOUNDATION DESIGN ARE MET. IF CONDITIONS ARE PRESENT THAT DO NOT ALLOW FOR THESE RECOMMENDATIONS TO BE MET, THE GEOTECHNICAL ENGINEER MUST BE CONTACTED.

9 2558 DETAILS FOOTING LAKEFRONT PARK LOCATION: **AKEPORT** ANCHOR SHEET IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.

PORTERCORP

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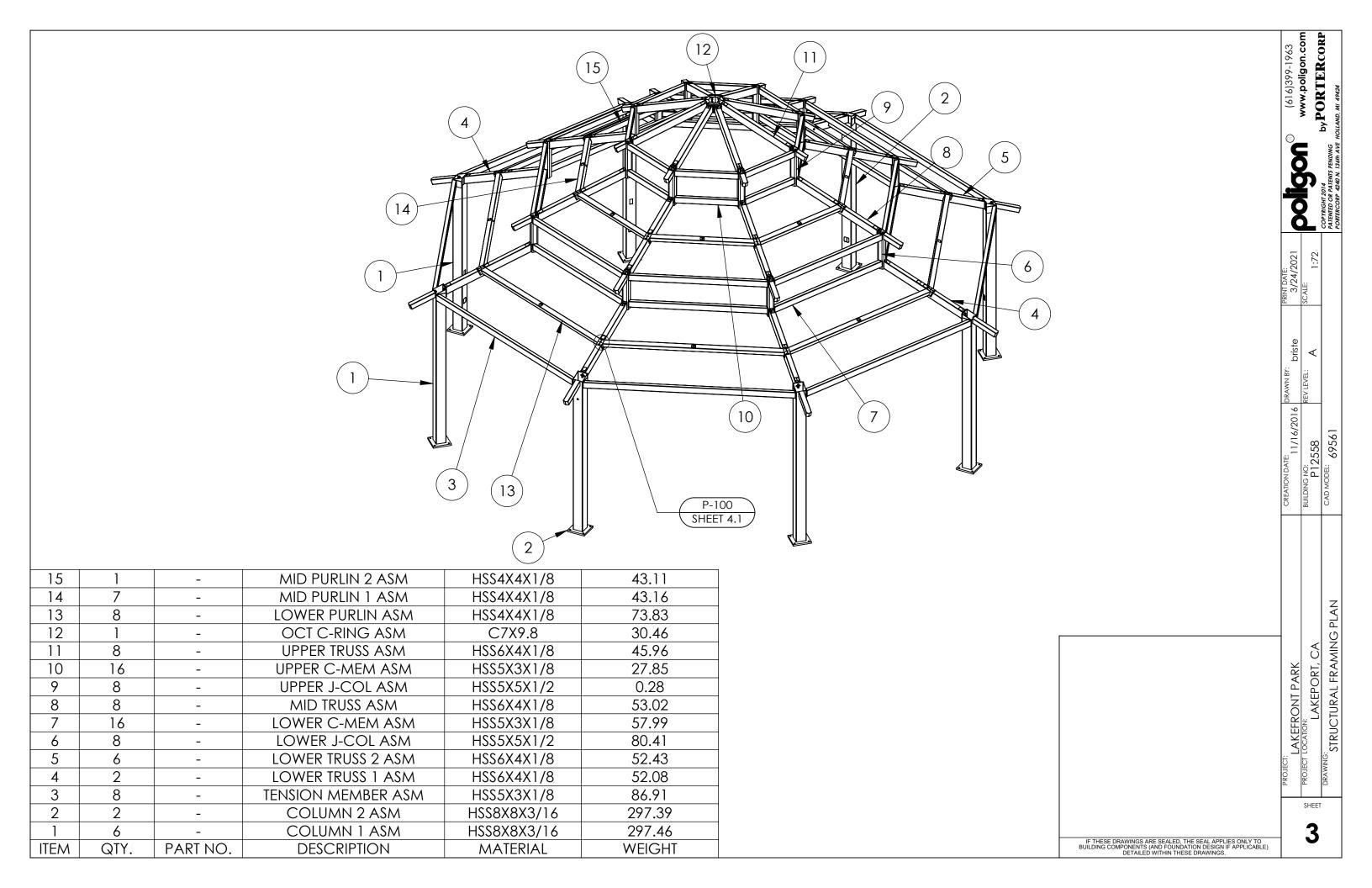
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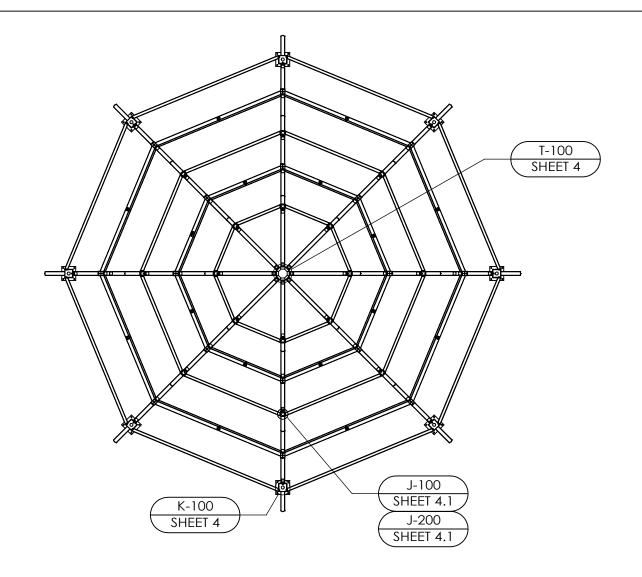
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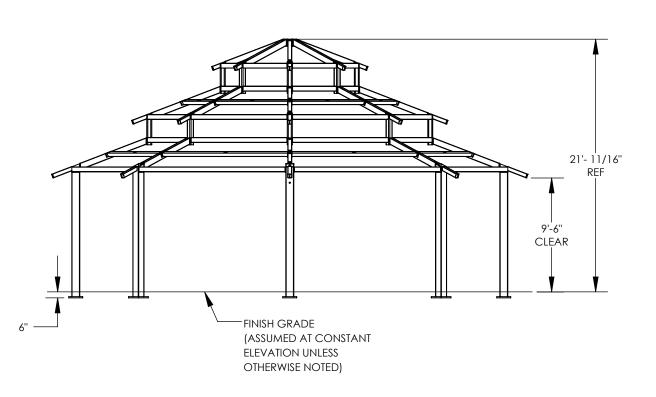
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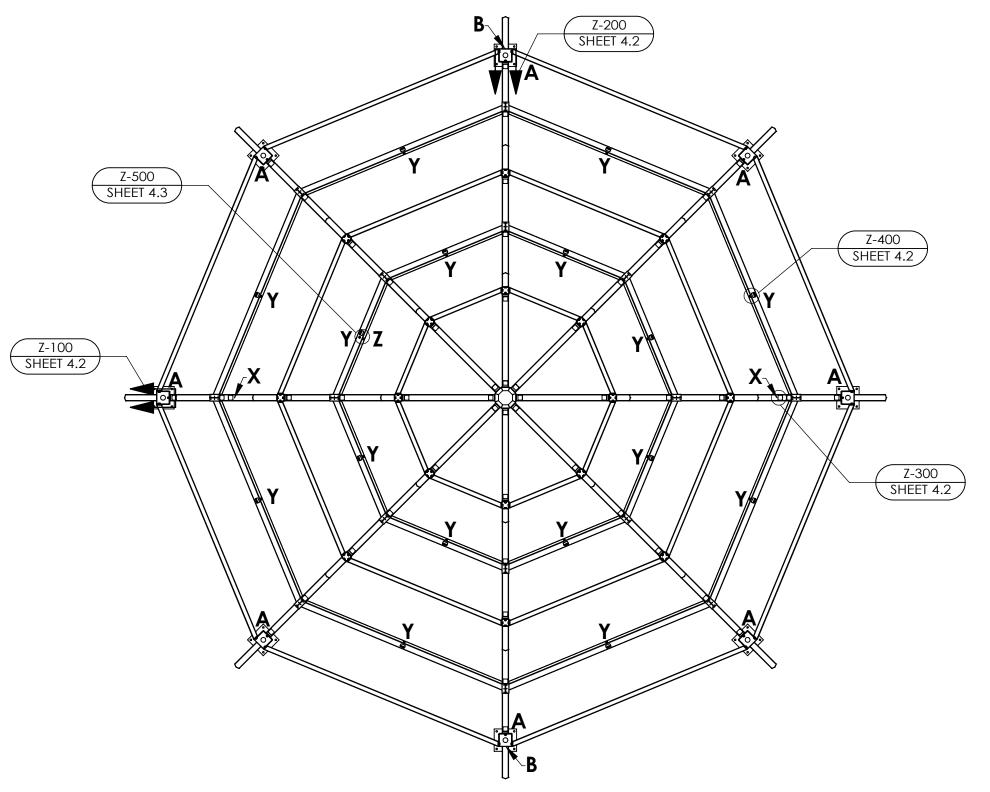




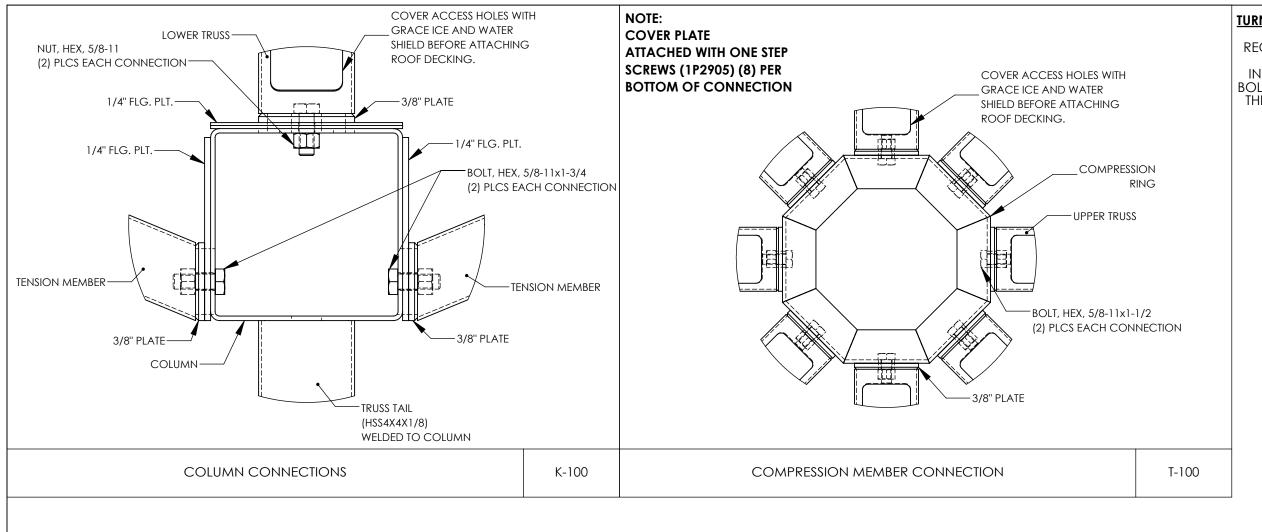


PROJECT: LAKEFRONT PARK PROJECT LOCATION: LAKEPORT, CA DRAWNING: LAKEPORT, CA DRAWNING: REV LEVEI: A PROJECT STRUCTURAL FRAMING PLAN CAD MODE: A CAD MODE: CAD M	PRINT DATE: 3/24/2021 (616)399-17 (616)399	COPYRIGHT 2014 PATENTED OR PATENTS PENDING PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424
PROJECT: LAKEFRONT PARK PROJECT LOCATION: LAKEPORT, CA DRAWING: STRUCTURAL FRAMING PLAN CAD MODE:	2016 DRAWN BY: REV LEVEL:	9561
PROJECT:	CREATION DATE BUILDING NO: P12,	CAD MODEI:
	LAKER	
7 1	SHEET GS ARE SEALED, THE SEAL APPLIES ONLY TO	

"A" INDICATES A 2-1/4" X 4-1/8" CUTOUT ON THE INTERIOR FACE OF THE COLUMN. (SEE DETAIL Z-100 ON SHEET 4.2) TOTAL CUTOUTS: (8)
"B" INDICATES A 1-1/4" DIAMETER CUTOUT ON THE EXTERIOR FACE OF THE COLUMN. (SEE DETAIL Z-200 ON SHEET 4.2) TOTAL CUTOUTS: (2)
"X" INDICATES A 1-1/4" DIAMETER CUTOUT ON THE BOTTOM FACE OF THE TRUSS. (SEE DETAIL Z-300 ON SHEET 4.2) TOTAL CUTOUTS: (2)
"Y" INDICATES A 1-1/4" DIAMETER CUTOUT ON THE INTERIOR FACE OF THE PURLIN. (SEE DETAIL Z-400 ON SHEET 4.2) TOTAL CUTOUTS: (16)
"Z" INDICATES A 1-1/4" DIAMETER CUTOUT ON THE TOP FACE OF THE PURLIN. (SEE DETAIL Z-500 ON SHEET 4.3) TOTAL CUTOUTS: (1)
NOTE: 4"X4" HAND ACCESS HOLE PROVIDED ON INTERIOR FACE OF EACH COLUMN
CUSTOMER TO VERIFY CUTOUT SIZES AND LOCATIONS



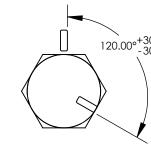
by **PORTER**CORP Š STRUCTURAL FRAMING PLAN LAKEFRONT PARK ROJECT LOCATION: AKEPORT,



TURN-OF-NUT PRETENSIONING METHOD:

THESE STEPS ILLUSTRATE THE REQUIREMENTS OUTLINED IN THE AISC SPECIFICATION. THE ROTATION INDICATED IS ACCURATE FOR MOST BOLT DIAMETERS AND LENGTHS BUT IT IS THE RESPONSIBILITY OF THE INSTALLER TO MEET AISC REQUIREMENTS.

> STEP ONE: AFTER SNUG TIGHT, MATCH MARK PLATE



STEP TWO: THEN TURN BOLT/NUT PAST SNUG TIGHT 1/3 TURN 120.00°+30°

> FRAME CONNECTION DETAILS LAKEFRONT PARK ROJECT LOCATION: LAKEPORT, SHEET

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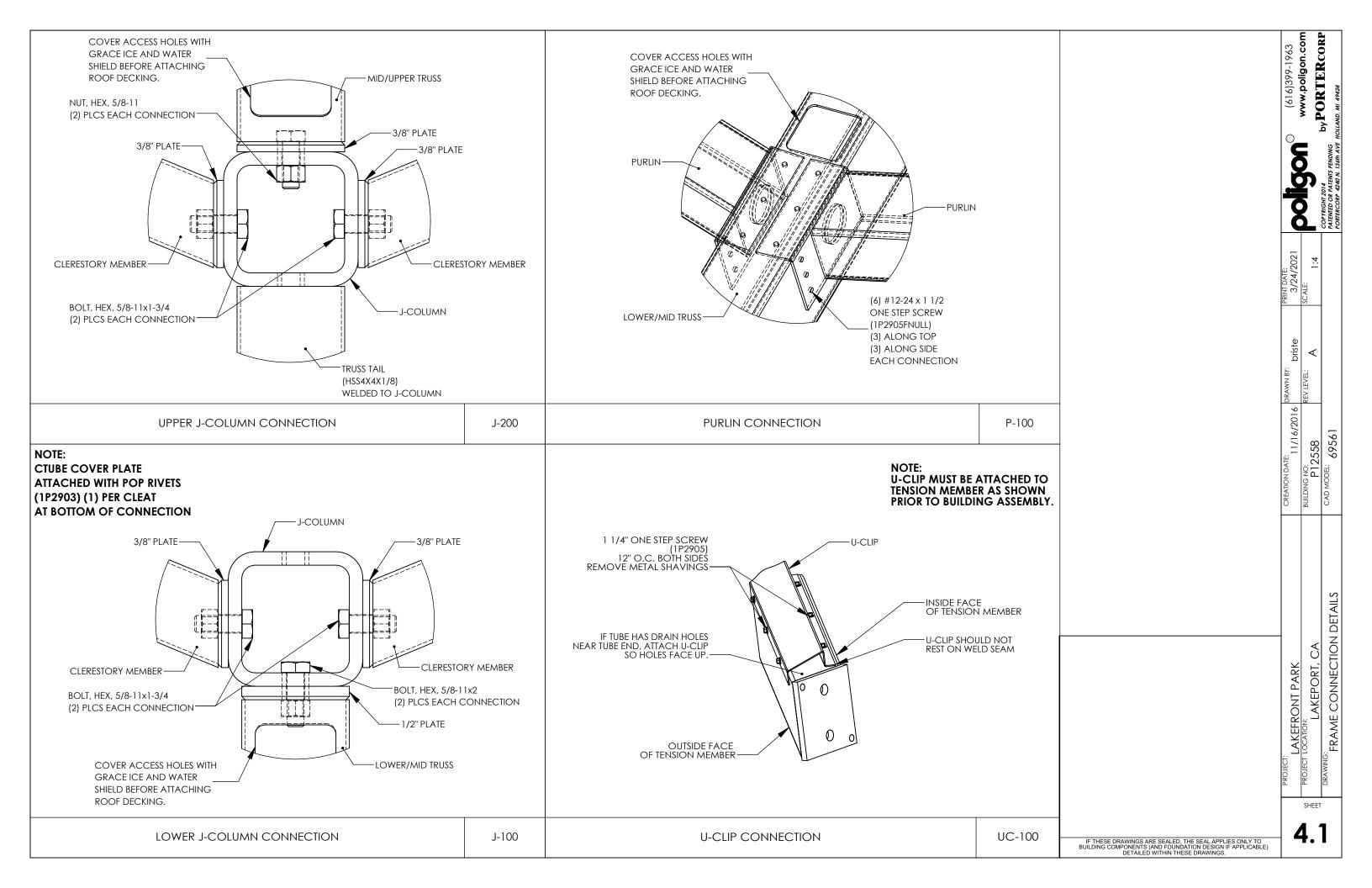
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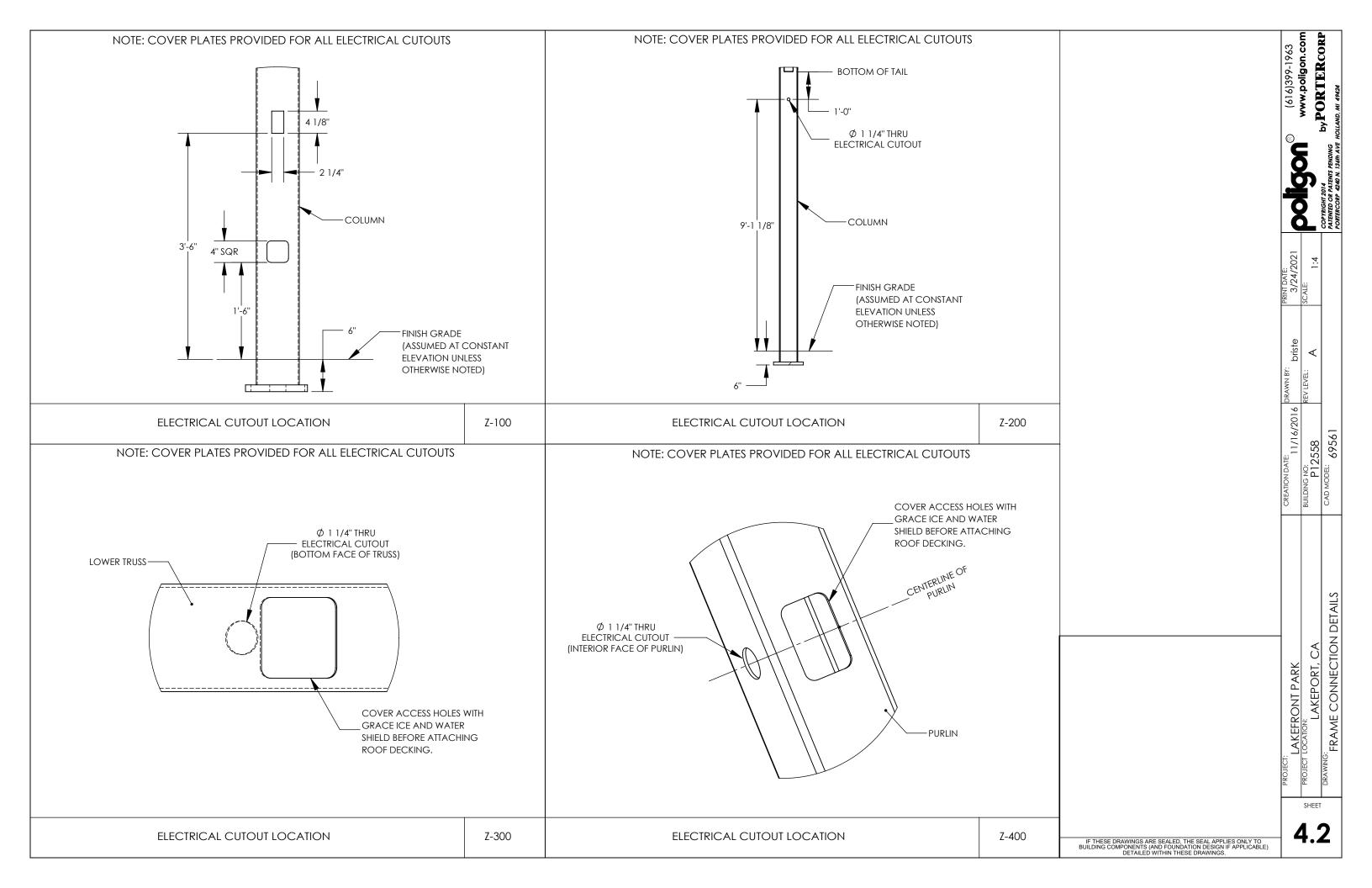
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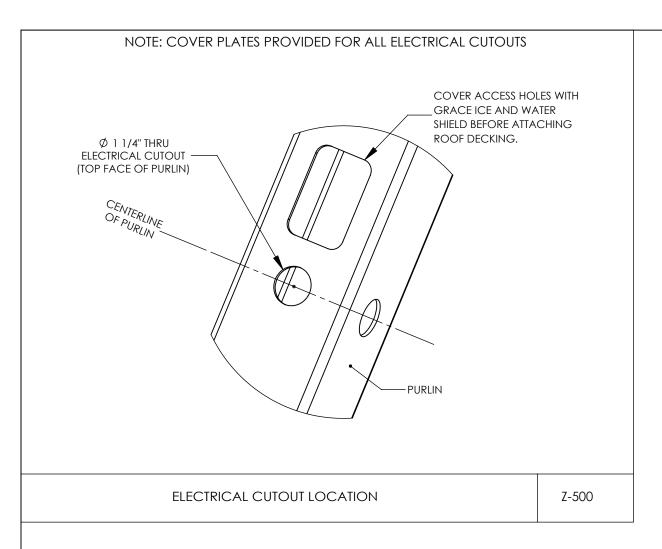
11/16/2016

BUILDING NO:
P12558
CAD MODE: A954

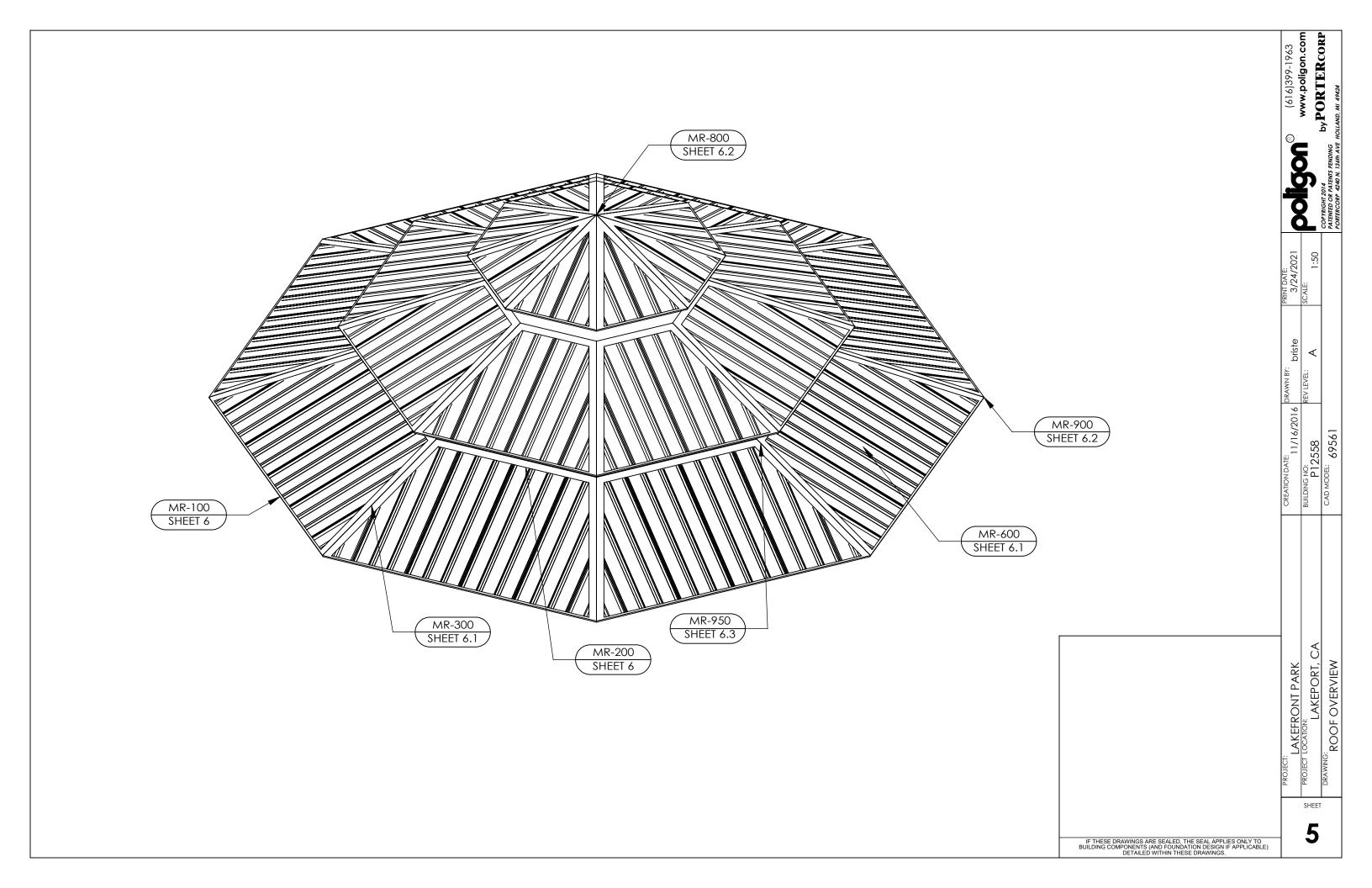
IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.

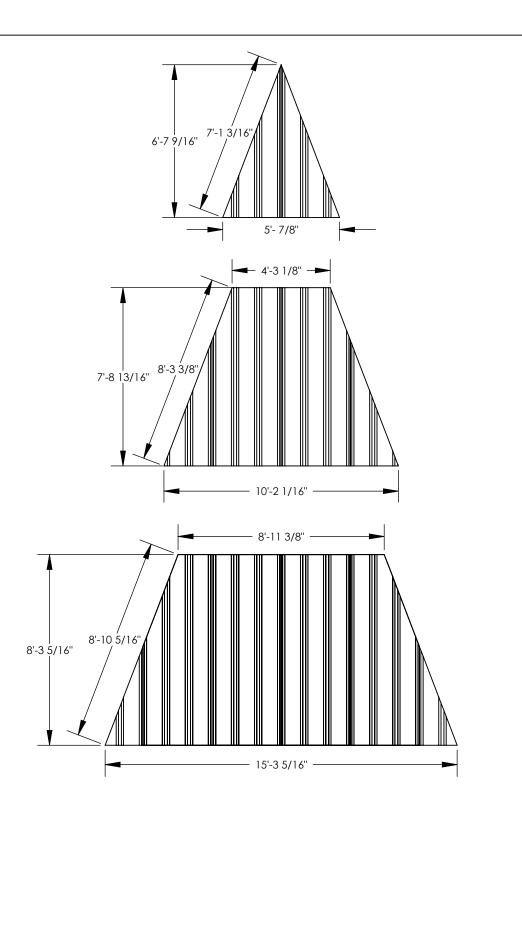






(616)399-1963 www.poligon.com byPORTERCORP **GOO** 8 briste ⋖ ATION DATE: 11/16/2016 BUILDING NO: P12558
CAD MODEI: 69561 DRAWING: LAKEPORT, CA FRAME CONNECTION DETAILS LAKEFRONT PARK PROJECT LOCATION: SHEET IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.





MULTI-RIB NOTES:

THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS.

by **PORTER**CORP

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IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.

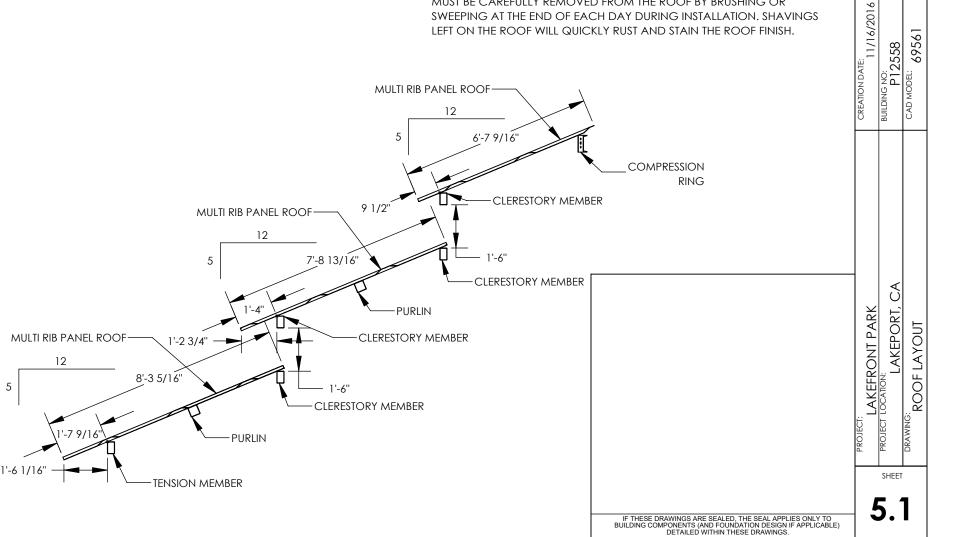
THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

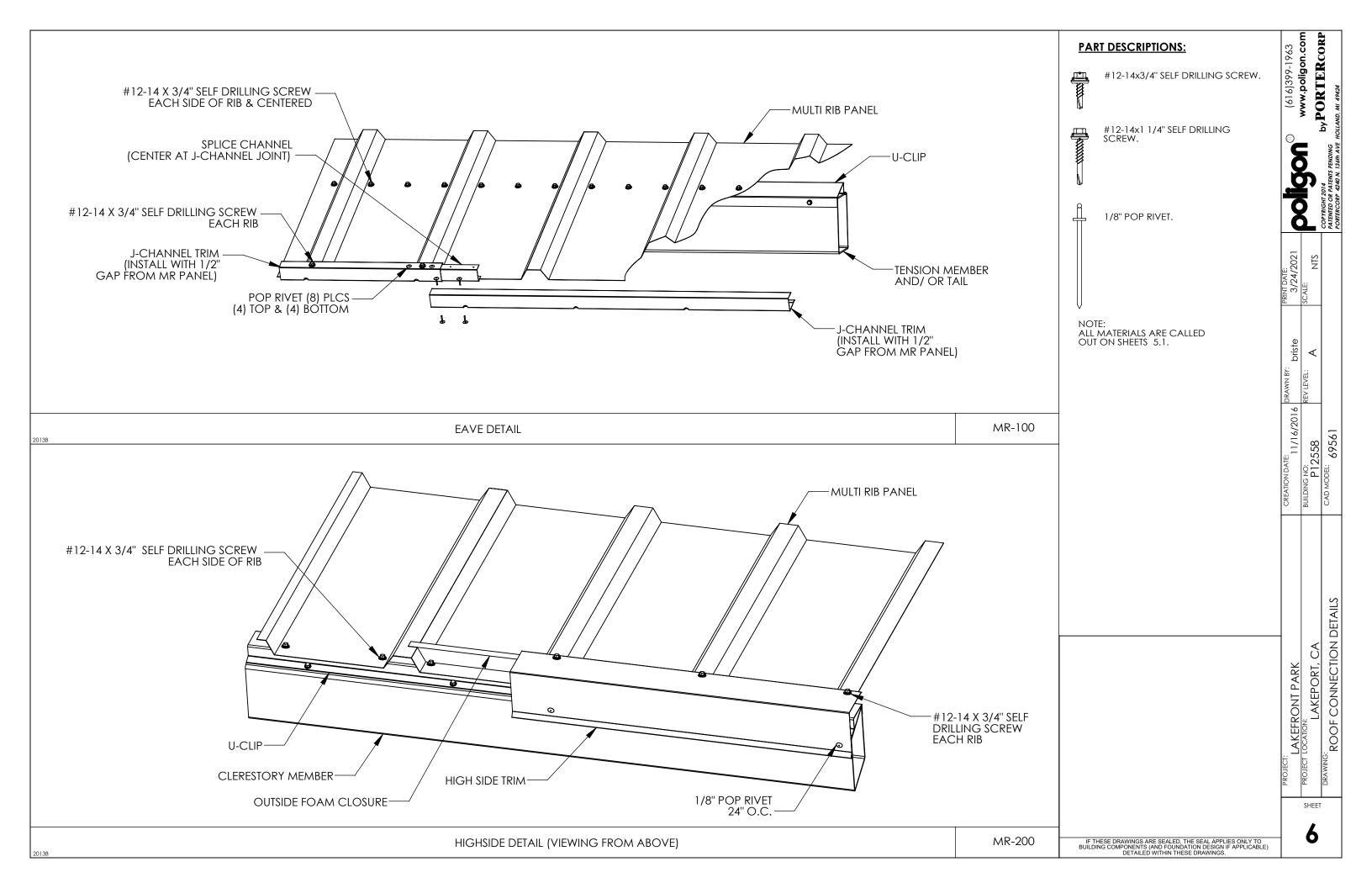
FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.

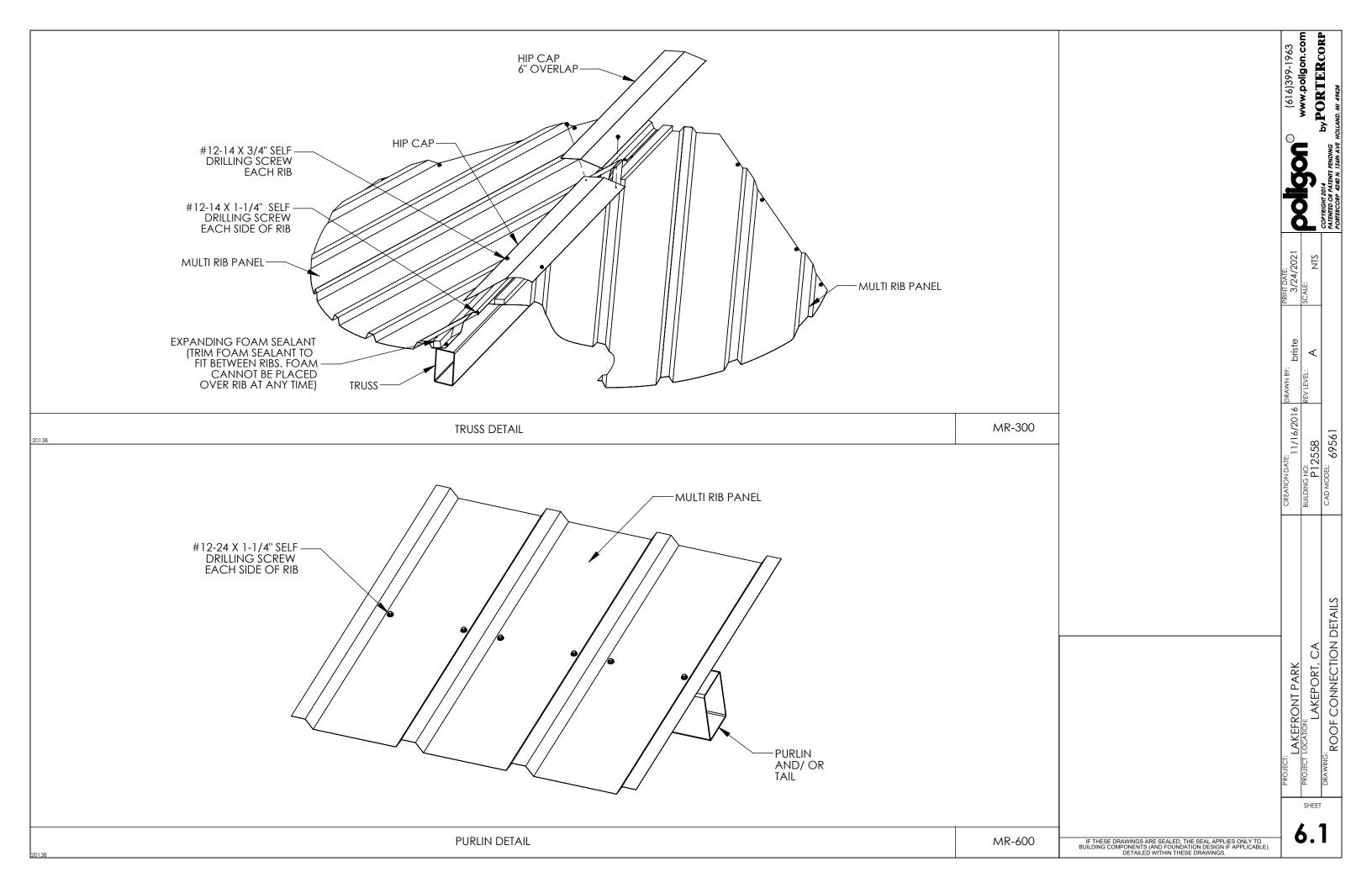
SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

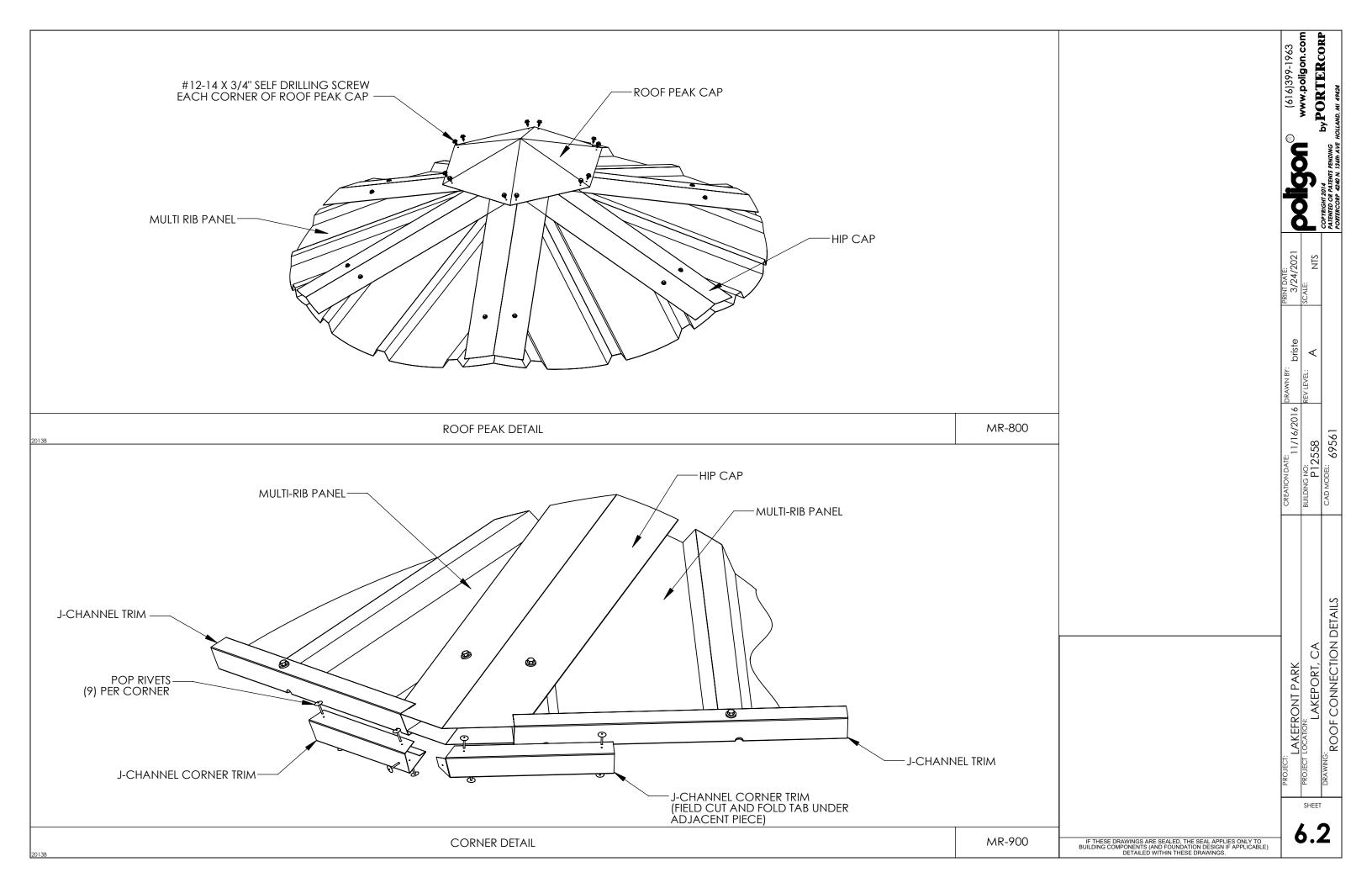
WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.

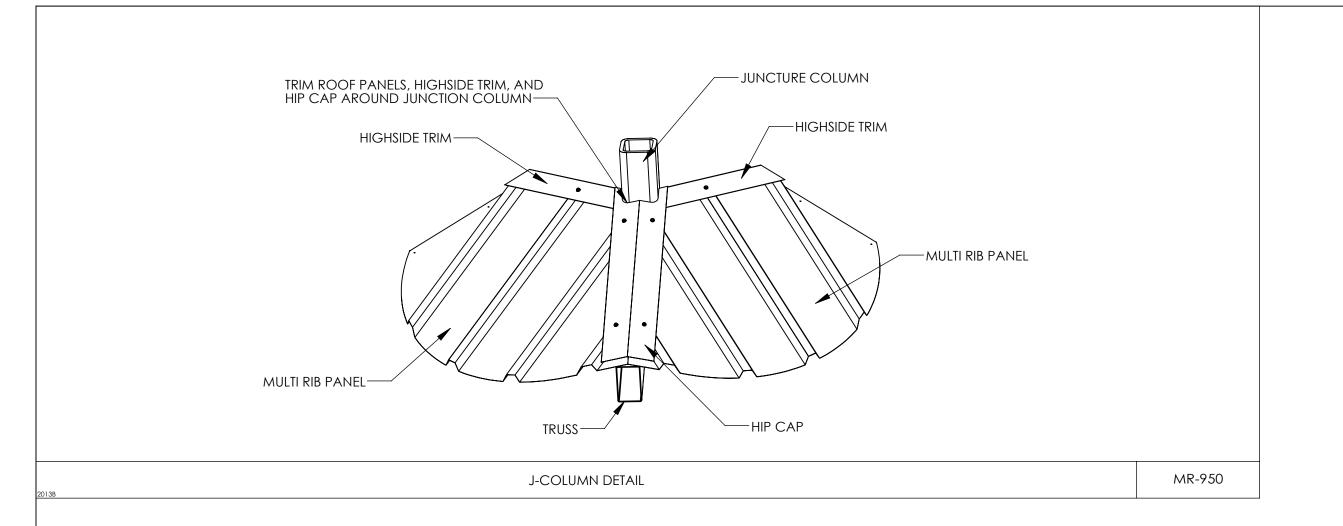
METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION. SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.











briste ⋖ ATION DATE: 11/16/2016 BUILDING NO: P12558 CAD MODEI: 69561 DRAWING: LOCATION DETAILS LAKEFRONT PARK PROJECT LOCATION: SHEET 6.3

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IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.

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PROJECT NAME: LAKEFRONT PARK

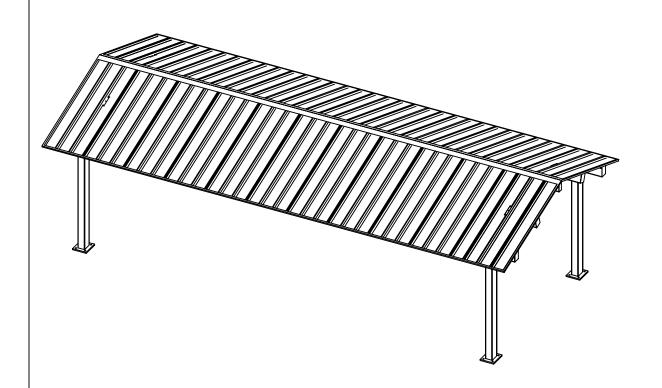
PROJECT LOCATION: LAKEPORT, CA

BUILDING TYPE: REK 16X34

ROOF TYPE: MULTI-RIB

BUILDING NUMBER: P12559

69562 ORDER NUMBER:



DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ARCHITECTURAL ELEVATIONS
2-2.1	ANCHOR AND FOOTING LAYOUT / DETAILS
3	STRUCTURAL FRAMING PLAN
4-4.1	FRAME CONNECTION DETAILS
5-5.1	ROOF LAYOUT
6-6.1	ROOF CONNECTION DETAILS

MANUFACTURER NOTES:

MATERIALS:

SCHEDULE PIPE A53 (GRADE B) RMT PIPE A519 LIGHT GAGE COLD FORMED A1003 (GRADE 50) STRUCTURAL STEEL PLATE **ROOF PANELS (STEEL)** ANCHOR BOLTS SEE SHEET 2.1

GENERAL NOTES:
UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. POLIGON MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 20' SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST, POLIGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL

ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS AND FINAL INSTALLATION INSTRUCTIONS INCLUDED WITH THE STRUCTURE FOR POSSIBLE SUBSTITUTIONS AND IMPROVEMENTS.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

CERTIFICATES:
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 20-0825.04 PCI (POWDER COATING INSTITUTE) 4000 CERTIFIED

FABRICATOR APPROVALS:
CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #FB01596 CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SF 000042 CITY OF HOUSTON, TX APPROVED FABRICATOR #470 CLARK COUNTY, NV APPROVED FABRICATOR #264 STATE OF UTAH APPROVED FABRICATOR 02008-14 AISC APPROVED FABRICATOR 219101051-01RFN



DESIGN CRITERIA:

GENERAL:

2019 CALIFORNIA BUILDING CODE RISK CATEGORY: II

DEAD LOAD:

ROOF DEAD LOAD: 2 PSF FRAME DEAD LOAD: SELF WEIGHT

ROOF LIVE LOAD: 20 PSF

SNOW DESIGN DATA:

GROUND SNOW LOAD (Pg): 5 PSF FLAT ROOF SNOW LOAD (Pf): 5 PSF SNOW EXPOSURE FACTOR (Ce): 1.0 SNOW LOAD IMPORTANCE FACTOR (Is): 1.0 THERMAL FACTOR (Ct): 1.2

WIND DESIGN DATA:

BASIC WIND SPEED (V): 95 MPH GUST EFFECT FACTÒŔ (G): 0.85 INTERNAL PRESSURE COÉFFICIENT (GCpi): 0 WIND EXPOSURE: C

SEISMIC DESIGN DATA:

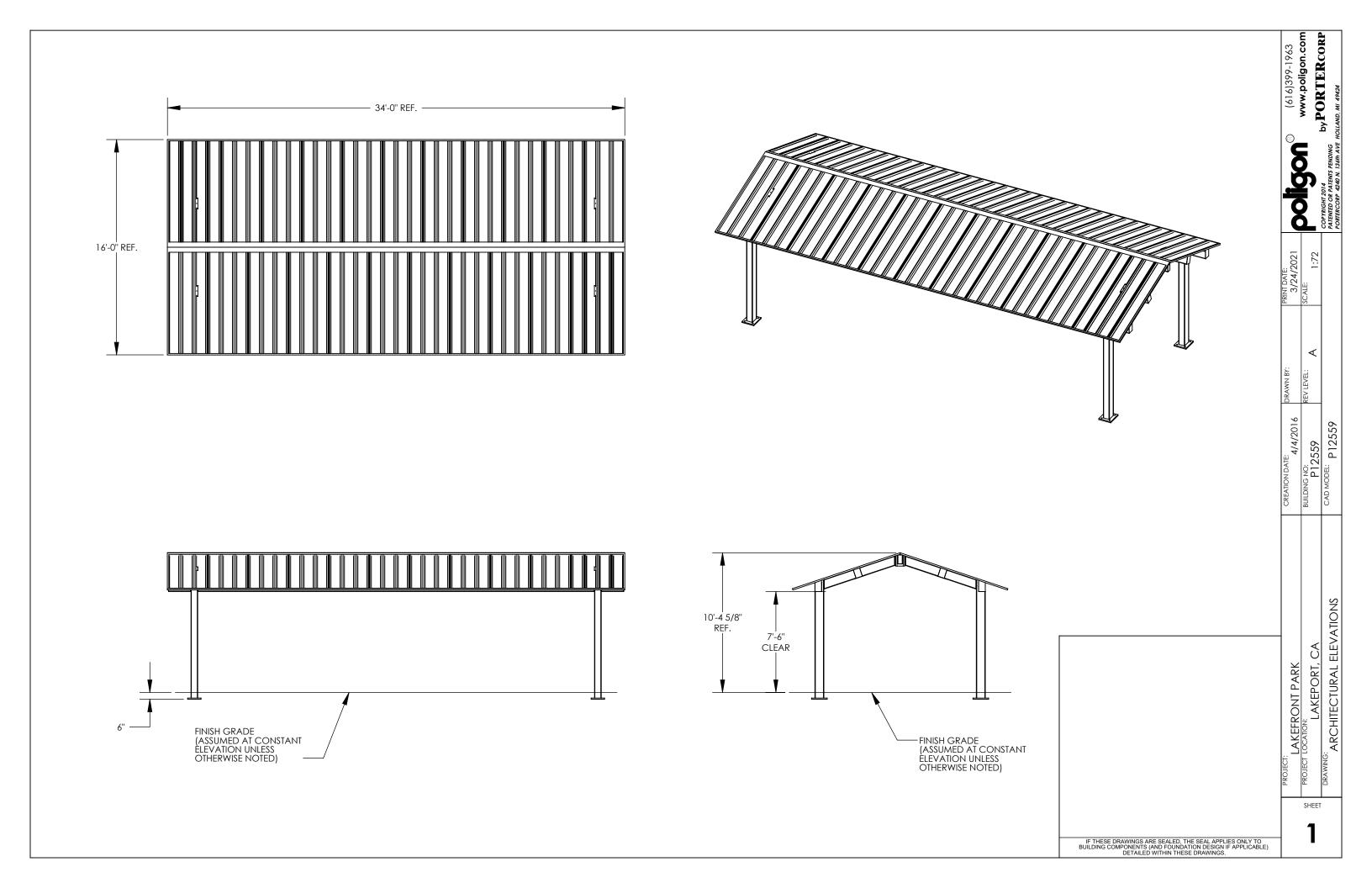
STEEL ORDINARY CANTILEVER COLUMN SYSTEMS SEISMIC IMPORTANCE FACTOR (Ie): 1.0 SEISMIC DESIGN CATEGORY: D SEISMIC SITE CLASS: D SEE CALCULATIONS FOR ADDITIONAL DATA

ADDITIONAL CRITERIA:

NONE

P12559 LAKEFRONT PARK LOCATION: LAKEPORT

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.



(616)399-1963 www.poligon.com by**PORTER**CORP **ANCHOR AND FOOTING LAYOUT NOTES:** ANCHORS MUST BE CENTERED IN FOOTINGS FOOTINGS MUST BE TURNED TO ALIGN WITH COLUMN AND TRUSS CENTERLINE. 1. 2. **GOU** - 30'-0" `32'-3 3/4" 110N DATE: 4/4/2016 REF. BUILDING NO: P12559 CAD MODEL: P12559 12'-0" LAKEPORT, CA DRAWING: ANCHOR AND FOOTING LAYOUT LAKEFRONT PARK POJECT LOCATION: SHEET 2.1 SHEET IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.

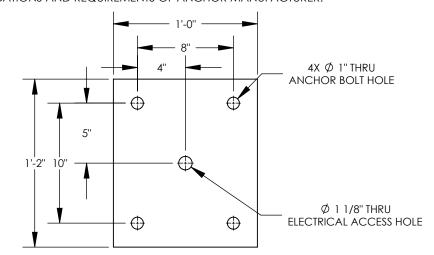
(LOCATED AT CENTER OF FOOTING) EXPANSION MATERIAL ON ALL SIDES OF COLUMN (2) 3/4" NUT FINISHED GRADE (2) 3/4" WASHER (ASSUMED AT CONSTANT ELEVATION (4) PLACES UNLESS OTHERWISE NOTED) (ENSURE 4 +1/2" EXPOSED FROM TOP OPTIONAL SLAB & OF FOOTING) **EXPANSION MATERIAL** NOT BY MANUFACTURER MINIMUM -SEE SHEET 1 SQUARE TOP OF CONCRETE FOOTING MINIMUM NON-SHRINK GROUT UNDER BASEPLATE (1-1/2" MAXIMUM) ENSURE 3" CLEAR DISTANCE BETWEEN -EDGE OF REINFORCING AND EDGE OF Ø3/4" X 16" LONG CONCRETE FOOTING (TOP, SIDE, AND BOTTOM) **ANCHOR BOLT** (4) PLACES (5) #6 HORIZONTAL BARS (EQ. SPACED) (11" MINIMUM EMBEDMENT EACH WAY, TOP & BOTTOM FROM TOP OF FOOTING TO TOP OF HEAD/THREADED NUT)

PAD FOOTING OPTION (EXTERNAL ANCHOR BOLTS)

FOOTING DESIGN BY MANUFACTURER, FOOTING MATERIALS BY OTHERS. (TYPICAL WITH EACH COLUMN, QTY OF REINFORCING AND ANCHOR BOLTS SHOWN IN DRAWINGS MAY NOT REFLECT REQUIREMENTS)

ANCHOR BOLT NOTES - EXTERNAL (ANCHOR BOLTS LOCATED OUTSIDE COLUMN):

- . ANCHOR BOLTS SHALL BE ASTM F1554 (GRADE 55) MATERIAL UNLESS OTHERWISE NOTED.
- 2. ANCHOR BOLTS SHALL BE EITHER "HEADED" OR "THREADED WITH NUT" AS DEFINED IN THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL.
- 3. HOOKED ANCHOR BOLTS ARE NOT ACCEPTABLE.
- 4. ACCURATE ANCHOR BOLT PLACEMENT IS CRITICAL. TO ENSURE THE ANCHOR BOLT LAYOUT MEETS THE DIMENSIONS REQUIRED ON THE DRAWINGS, SURVEY (OR MEASURE) THE LOCATION OF ALL ANCHOR BOLTS PRIOR TO POURING THE FOOTINGS. AN ADDITIONAL SURVEY (OR MEASUREMENT) SHOULD BE MADE AFTER THE FOOTINGS ARE POURED TO CONFIRM THE ANCHOR BOLTS DID NOT SHIFT DURING THE CONCRETE POUR.
- THE MANUFACTURER STRONGLY RECOMMENDS USING ANCHOR BOLT TEMPLATES BECAUSE THEY SIGNIFICANTLY IMPROVE THE ACCURACY OF ANCHOR BOLT PLACEMENT. AN ANCHOR BOLT TEMPLATE IS PROVIDED WITH ANY ANCHOR BOLT KIT PURCHASED.
- . IF OUTSIDE CONSULTING ENGINEERS ARE DESIGNING THE FOUNDATIONS FOR THIS STRUCTURE, THEY MUST REFER TO THE MANUFACTURER'S CALCULATIONS FOR MINIMUM CONCRETE PROPERTIES (COMPRESSIVE STRENGTH, EDGE DISTANCE, ETC.) REQUIRED FOR THE ANCHOR BOLT DESIGN.
- 7. ELECTRICAL ACCESS HOLE IS ALWAYS LOCATED IN THE COLUMN BASE PLATE AS SHOWN.
- GROUT UNDER BASEPLATES SHALL BE NON-METALLIC, NON-SHRINK GROUT WITH MINIMUM f'c=6500 PSI.
- 9. THE CALCULATIONS FOR THIS STRUCTURE ASSUME A FIXED COLUMN BASE.
- O. THE FOLLOWING ADHESIVE ANCHORS MAY BE SUBSTITUTED FOR THE CAST-IN-PLACE ANCHOR BOLTS: -HILTI HIT-HY 200 (A OR R) ADHESIVE WITH Ø 3/4" HAS-E ROD WITH MINIMUM 11" EMBEDMENT. CONTRACTOR SHALL FOLLOW ALL INSTALLATION SPECIFICATIONS AND REQUIREMENTS OF ANCHOR MANUFACTURER.





FOUNDATION NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE, AMERICAN CONCRETE INSTITUTE, AND ALL APPLICABLE STATE AND LOCAL ORDINANCES AND REQUIREMENTS.
- THE CONCRETE DESIGN IS BASED ON THE FOLLOWING PROPERTIES:
- 28 DAY STRENGTH OF 4500 psi.
- SLUMP OF 4" (+/-1").
- THE FOOTING SHALL BEAR ON COMPETENT UNDISTURBED SOIL OR 95% COMPACTED FILL. IF SIGNS OF ORGANIC MATERIAL, UNCONTROLLED FILL, CLAY OR SILT, HIGH WATER TABLE OR OTHER POSSIBLE DETRIMENTAL CONDITIONS ARE FOUND, INSTALLATION OF THE FOUNDATION MUST BE DISCONTINUED AND A SOILS ENGINEER CONTACTED.
- THE REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60. IF FOOTING DEPTH SHOWN DOES NOT MEET LOCAL FROST REQUIREMENTS, THE DRILLED PIER
- FOOTING MAY BE EXTENDED. EXTEND VERTICAL BARS AS REQUIRED AND PROVIDE ADDITIONAL TIES TO MEET SPACING REQUIREMENTS AS SHOWN. IF LOCAL FROST DEPTH REQUIREMENTS ARE NOT MET AND NO DRILLED PIER FOOTING OPTION IS GIVEN, CONTACT ENGINEERING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST LINE DEPTH BELOW GRADE PRIOR TO CONSTRUCTION.

THE FOUNDATION DESIGN CONTAINED HEREIN IS SITE SPECIFIC, AND IS BASED ON TECHINICAL MEMORANDUM, 800 NORTH MAIN STREET, LAKEPORT CA, BY LACO. DATED AUGUST 3, 2020. REPORT NO. 9611.00.

PROPER CARE MUST BE TAKEN TO ENSURE ANY AND ALL RECOMMENDATIONS, OF THE ABOVE-MENTIONED REPORT, FOR SITE PREPARATION, SOIL PERFORMANCE AND FOUNDATION DESIGN ARE MET. IF CONDITIONS ARE PRESENT THAT DO NOT ALLOW FOR THESE RECOMMENDATIONS TO BE MET, THE GEOTECHNICAL ENGINEER MUST BE CONTACTED.

PROJECT:

LAKEFRONT PARK

PROJECT:
LAKEPONT CA

DRAWING:
ANCHOR AND FOOTING DETAILS

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.

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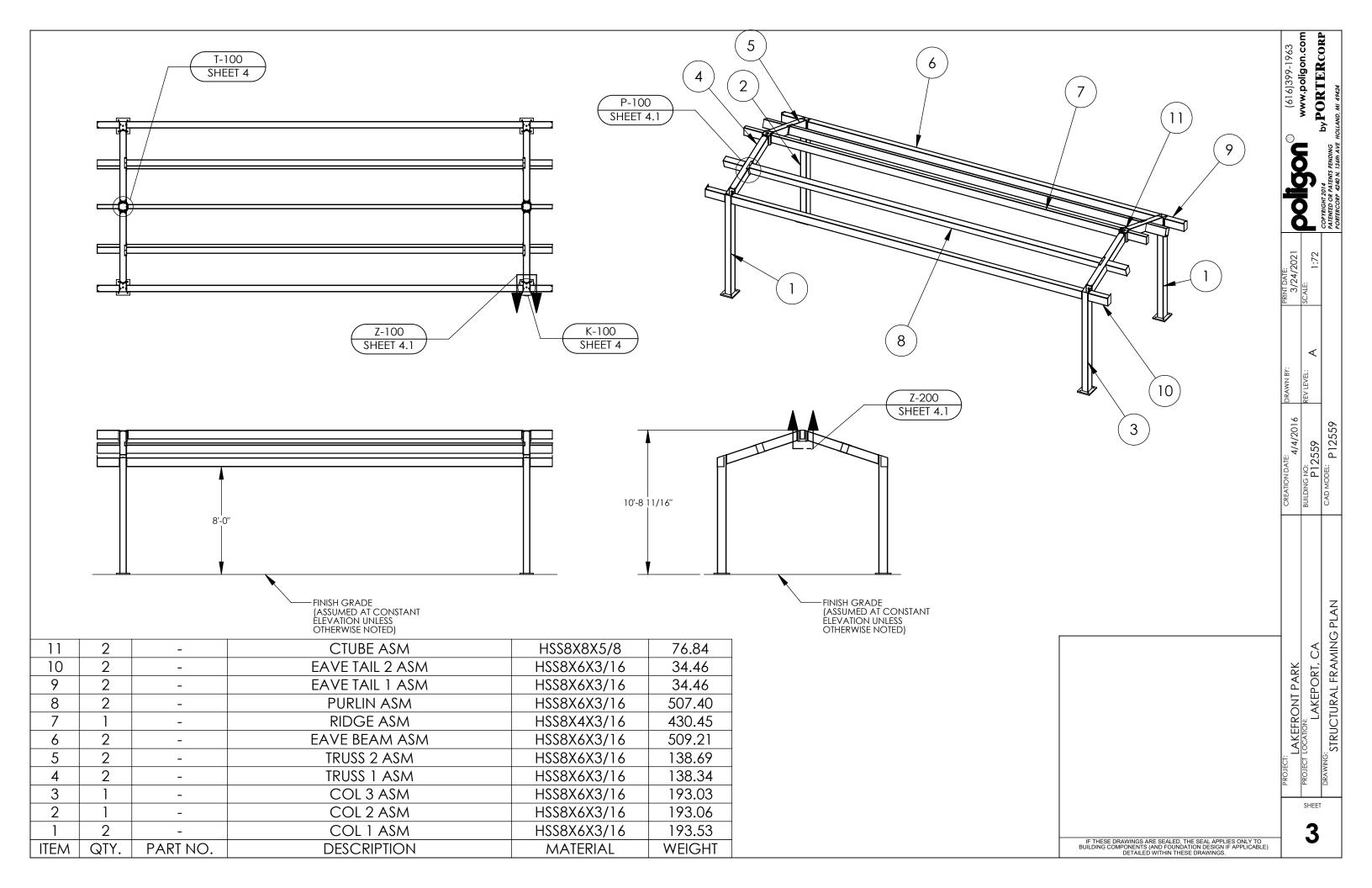
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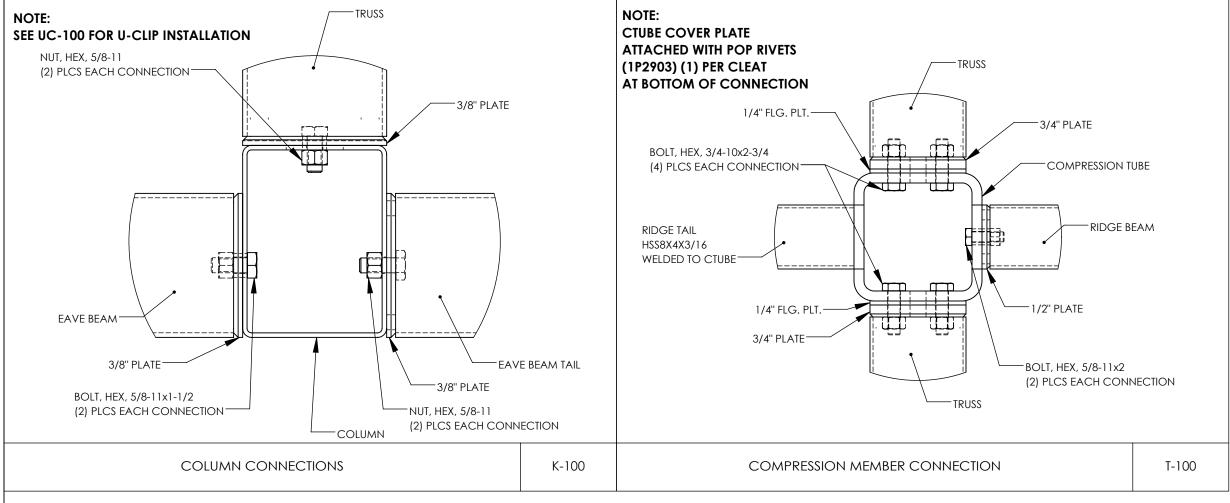
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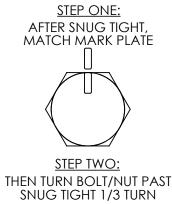


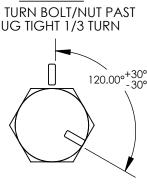
CONNECTION NOTES:

- HIGH STRENGTH BOLTS SHALL BE ASTM F3125 (A325, TYPE 1) MATERIAL.
- HIGH STRENGTH NUTS SHALL BE ASTM A563 (GRADE DH) MATERIAL.
- HIGH STRENGTH WASHERS SHALL CONFORM TO ASTM F436.
- ALL BOLTS TO BE INSTALLED BY THE "TURN -OF-NUT" PRETENSIONING METHOD AS SPECIFIED IN THE LATEST EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", (SEE ILLUSTRATION). A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE "TURN-OF-NUT" PRETENSIONING METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER TIGHTNESS. THIS METHOD IS ONLY REQUIRED ON A325 BOLTS. ANCHOR BOLTS ONLY NEED TO BE SNUG TIGHT.
- LOCAL JURISDICTIONS MAY REQUIRE AN INSPECTOR TO BE PRESENT TO WITNESS HARDWARE INSTALLATION AND INDEPENDENT TESTING. INSPECTION REQUIREMENTS SHOULD BE VERIFIED BY INSTALLER PRIOR TO STEEL ERECTION.
- ERECTION OF THE FRAMING MEMBERS WILL REQUIRE THE MAIN COLUMNS TO BE PLUMB SQUARE AND TIGHTENED TO THE TRUSSES AND/OR TENSION MEMBERS BEFORE INSTALLING THE PURLINS. PURLINS, IF REQUIRED, MUST BE PARALLEL TO THE EAVE BEAMS AND TENSION MEMBERS OR AS SHOWN IN FRAMING PLAN.
- PRIOR TO THE ERECTION OF SHELTER COMPONENTS, IT IS RECOMMENDED TO CHASE AND TAP STRUCTURAL HARDWARE.
- ALL BOLTS MUST BE LUBRICATED WITH WAX TO ASSIST IN PROPER TIGHTENING. TO LUBRICATE A BOLT IN THE FIELD, APPLY THE WAX STICK DOWN THE LENGTH OF THE BOLT'S THREADS.
- TO PREVENT RUST STAINING OF FINISH, ALL METAL SHAVINGS MUST BE REMOVED AFTER INSTALLATION. ENSURE NO SHAVING ARE TRAPPED BETWEEN MATING SURFACES.
- TOUCH-UP PAINT MUST BE APPLIED TO ALL EXPOSED FASTENERS. PERIODIC TOUCH-UP AT THESE CONNECTIONS IS REQUIRED.

TURN-OF-NUT PRETENSIONING METHOD:

THESE STEPS ILLUSTRATE THE REQUIREMENTS OUTLINED IN THE AISC SPECIFICATION. THE ROTATION INDICATED IS ACCURATE FOR MOST BOLT DIAMETERS AND LENGTHS BUT IT IS THE RESPONSIBILITY OF THE INSTALLER TO MEET AISC REQUIREMENTS.



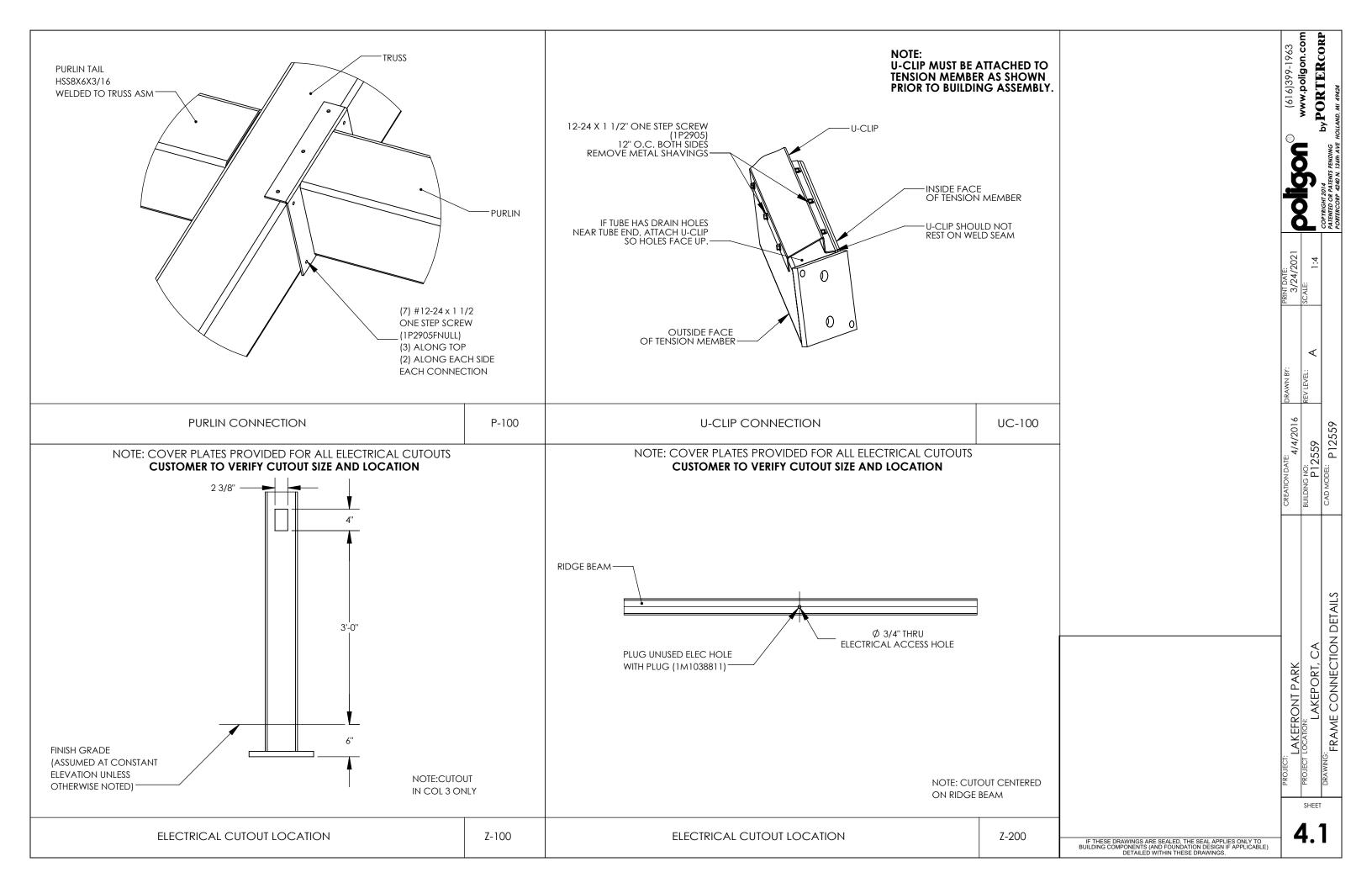


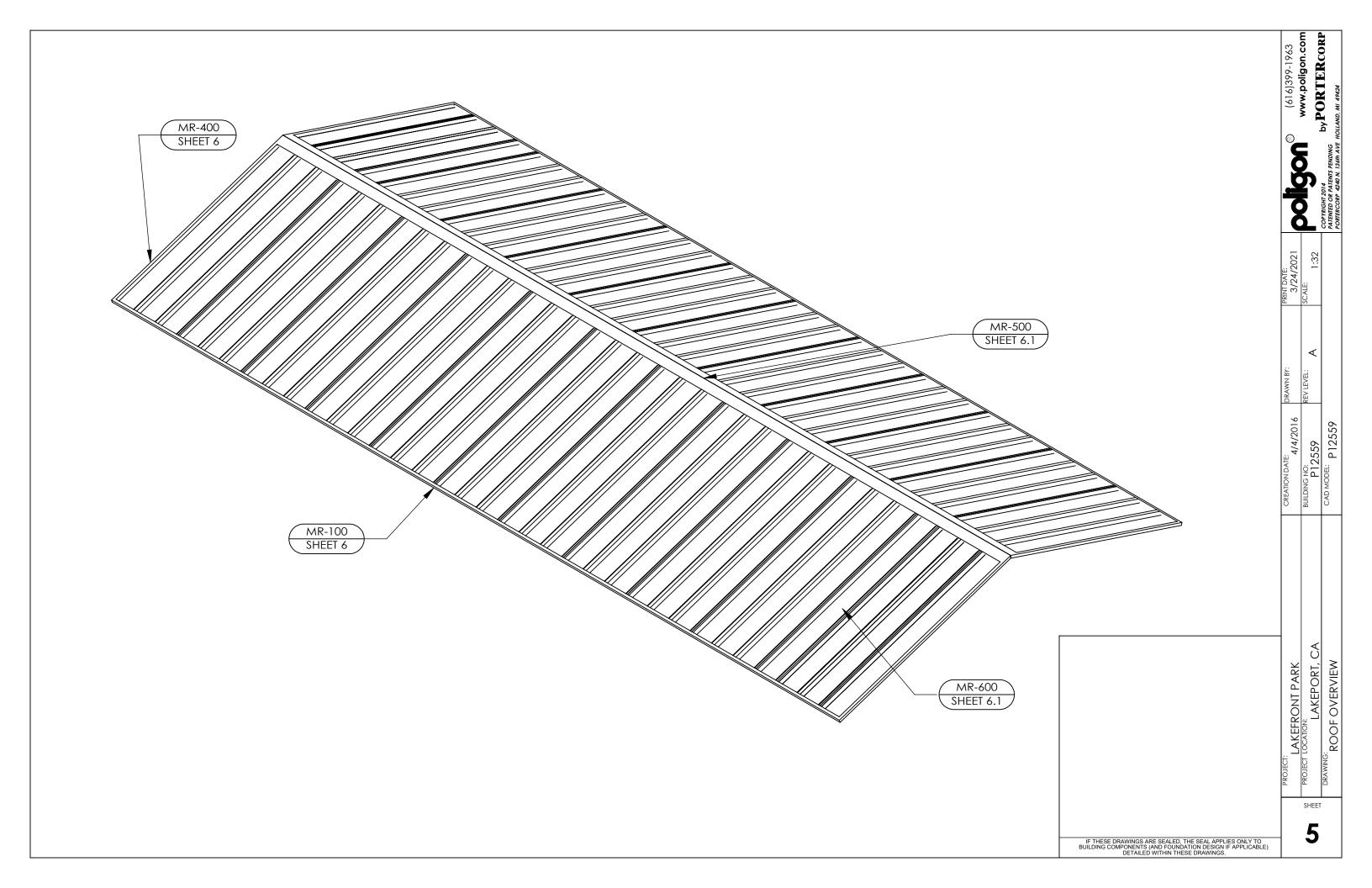
ð 9 Q 4/4/2016 P12559 G NO: P12559 CONNECTION DETAILS LAKEFRONT PARK LOCATION: AKEPORT, SHEET IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.

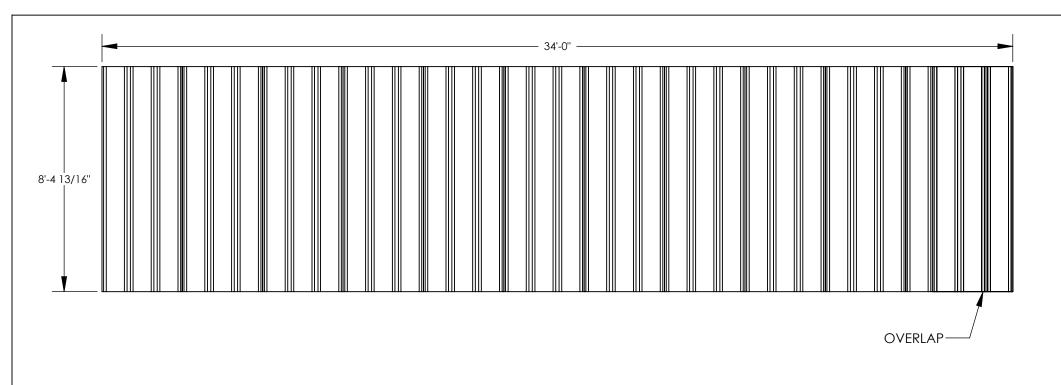
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MULTI-RIB NOTES:

THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS.

IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.

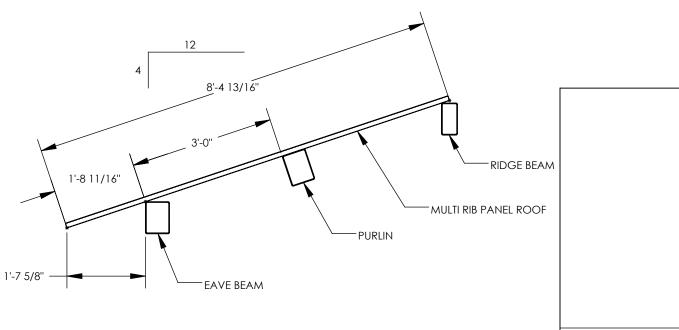
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FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.

SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.

METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION. SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.



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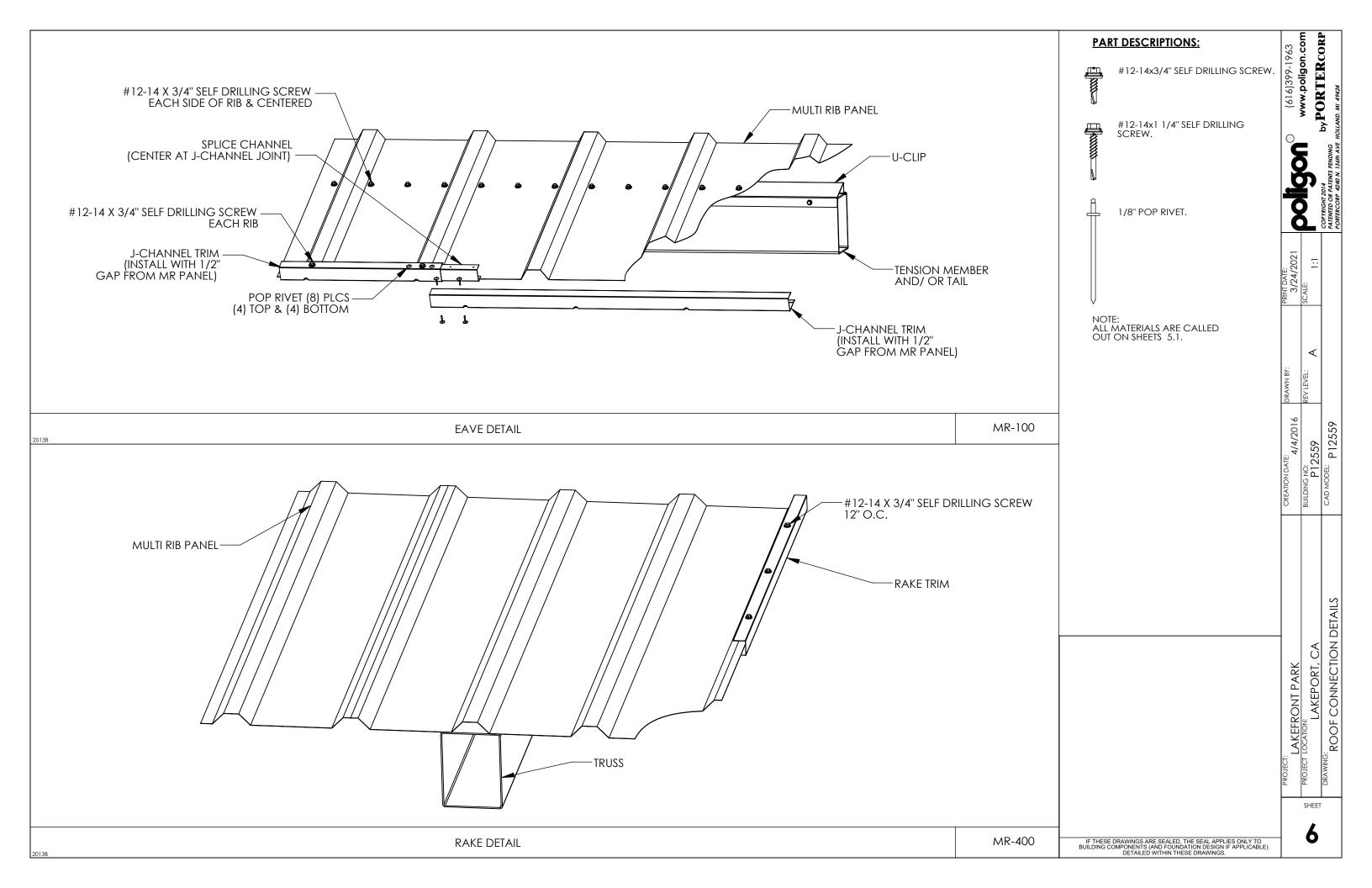
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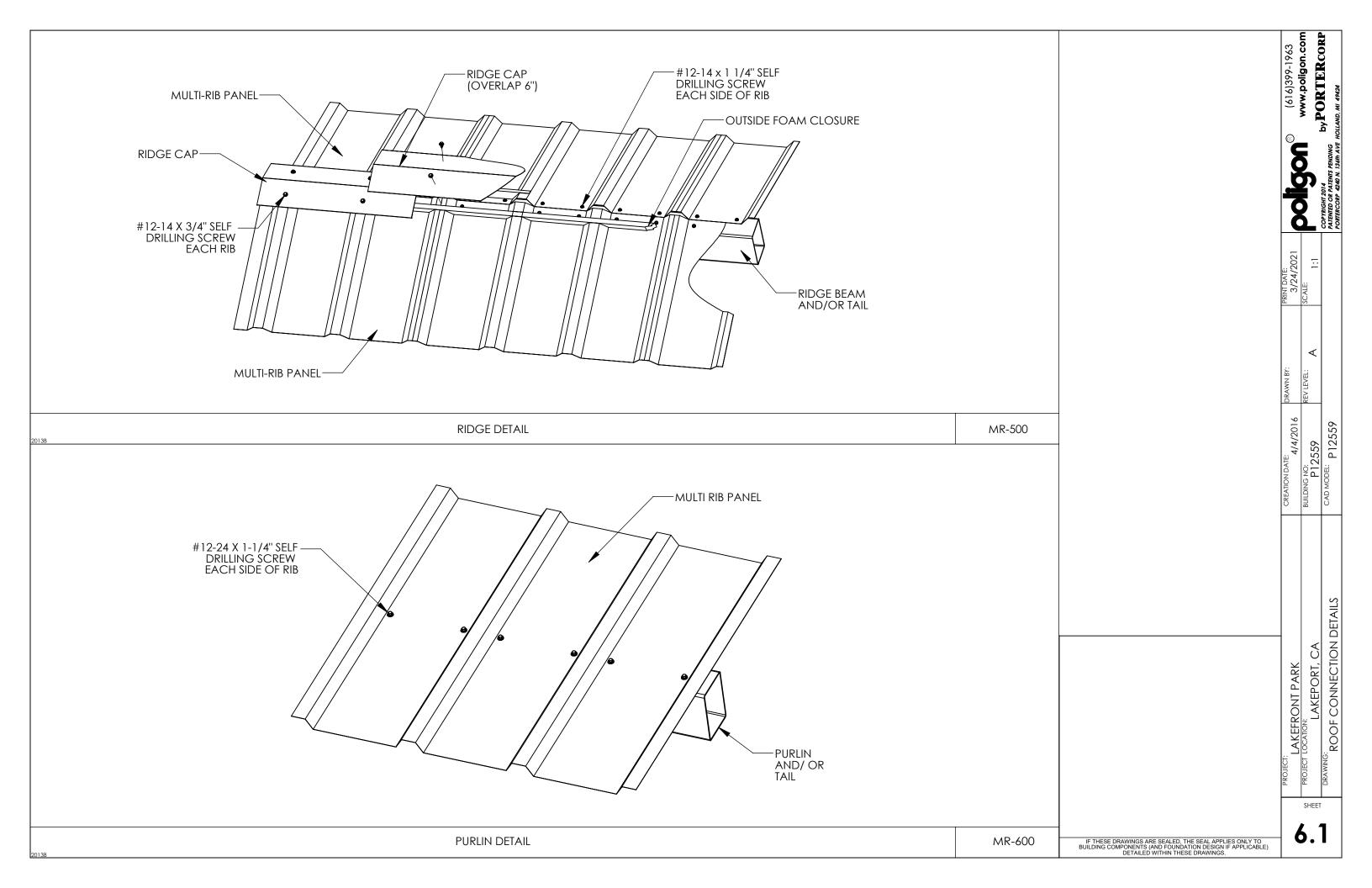
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⋖ 4/4/2016 P12559

LAKEFRONT PARK ROJECT LOCATION: -AKEPORT,





Restroom / Concession / Storage Building

Lakeport Park

800 N. Main St., Lakeport, CA 95453

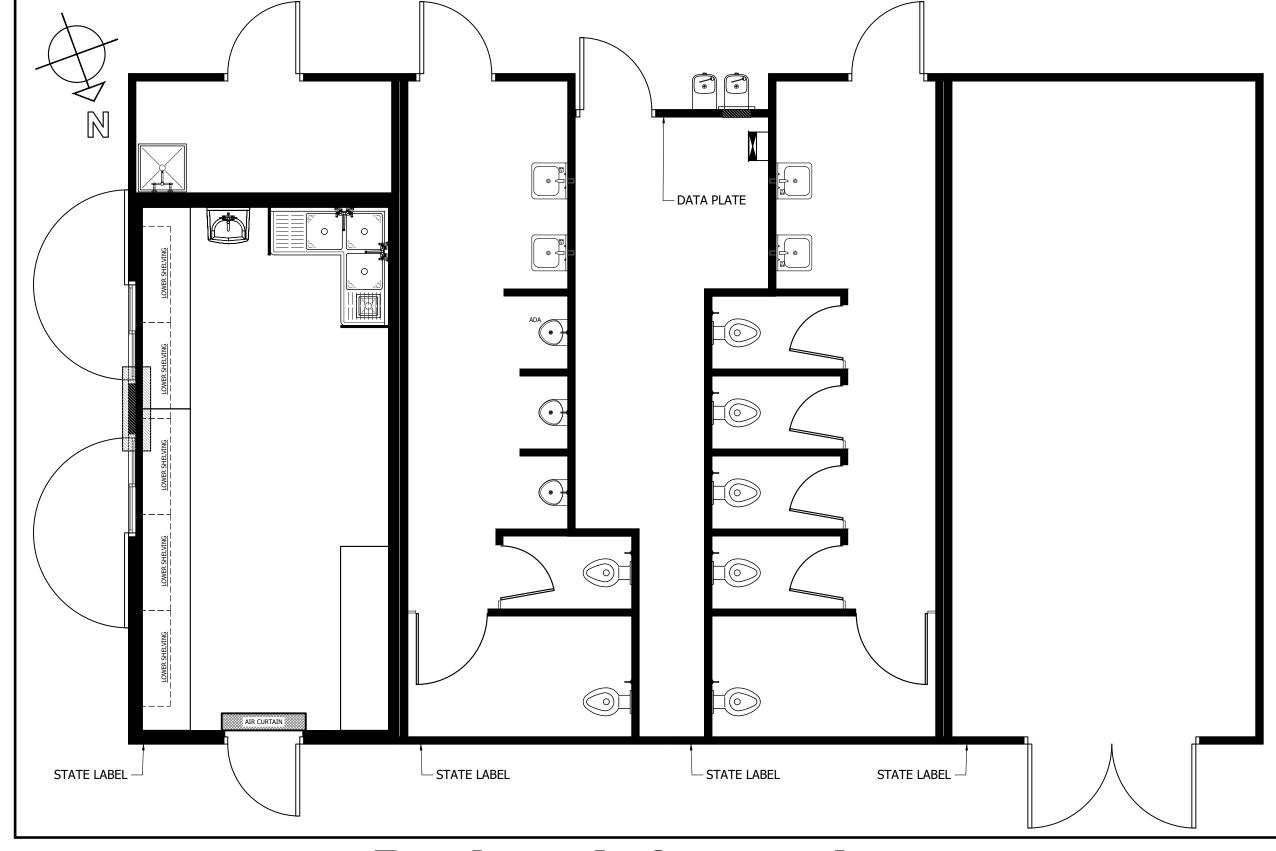
Code Compliance

Applicable Codes:	California Title 24 2019 California Building Code 2019 California Mechanical Code 2019 California Plumbing Code 2019 California Electrical Code 2019 California Energy Code 2019 California Green Bldg. Code	(Part 2) (Part 3) (Part 4) (Part 5) (Part 6) (Part 11)
Type of Construction:	V B	
Description:	Park Restroom	
Occupancy:	B With Non-Separated S-2 Storage In Accordance With CBC 508.3	
Floor Area:	1325 - square feet	
Gross Wall Area:	1297 - square feet	
Climate Zone:	2	
Blazer Job Number:	. 19821	
PRC Project Number:	. 10859	

Load per	Load per area:		2019 CBC Section 1004								
Room #	Room Label	SF of Area	/ Factor	Occupancy	# Persons						
	Concession	237	150	В	1.6						
	Storage	355	300	S-2	1.2						
	Mech Room #1	144	300	В	0.5						
	Mech Room #2	54	300	В	0.2						
	Men's ACCRR	218	150	В	1.5						
	Women's ACCRR	245	150	В	1.6						
Total O	Ccupant Load				7						

General Notes

- The structural design details herein are specific to the building size and module configuration shown on the floor plan of these drawings.
- Location of this building shall meet required property code set backs per local jurisdiction.
- ADA Accessibility to this structure shall be in conformance with local code including all pathways, ramps and paths of travel for parking to building
- Soil bearing requirement is 1500 psf, subGRADE Compaction at 90%.
- Building plumbing system is based upon full flow existing water service. Loss of required flow rate of 10 gpm or pressure below 35 psi may necessitate an intermediate well tank and check valve in line.
- This building has not been designed to meet the minimum standards for placement in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area. The local AHJ is to verify that this building will not be placed in the areas described above.
- This Building has been designed for compliance with the 2019 California Green Building Standards code including but not limited to water conserving plumbing fixtures, low VOC paints & adhesives.
- Site installation details are noted on sheets A-4, A-5 and S-1 for structural connections, A-2 for weatherization finish, P-1 for Plumbing connections and E-1 for electrical connections. **SITE INSTALLATION PROCEDURE INCLUDES BUT NOT LIMITED TO:** Service Hookups (Electrical & Plumbing connections), Installation of Ridgecap material Installation of Modline trim interior and Exterior, Install backer rod and caulk mod line - walls, Install SL-1 Self-leveling caulk (use on floor joint)Grout Tile at mod line connection, Finish paint modline connection. Installation of Modline & Capbeam Mod connections.



Project Information

Certified Manufacturer:

BLAZER INDUSTRIES, Inc. PO Box 489 Aumsville, OR 97325 Jamie Holmes Contact: (503) 749-1900 Phone: (503) 749-3969 Fax: james@blazerind.com

Designer / Dealer:

E-mail:

PUBLIC RESTROOM COMPANY 2587 Business Parkway Minden, NV 89423 Contact: Chad Kaufman Phone: (888) 888-2060

Fax: (888) 888-1448

Email: Chad@publicrestroomcompany.com www.publicrestroomcompany.com

Project Owner:

Email:

City of Lakeport 225 Park St. Lakeport, CA 95453 Contact: Mark Brannigan Project Manager Phone: (707) 263-3578

mbrannigan@cityoflakeport.com

Project Landscape Architect:

SSA Landscape Architects Inc. 303 Potrero St., Suite 40-C Santa Cruz, CA 95060 Contact: Christian Harris Architect & Project Manager (831) 459-0455 Phone: christian@ssala.com

Index to Drawing

- T-1 Title Sheet.
- AC Accessibility Compliance.
- A-0.1 Structural Design, Door Schedule.
- A-1 Floor Plan.
- A-1.1 Sections.
- A-1.2 Roof Framing Plan, Dormer Details.
- A-2 Exterior Elevations, Exterior Finish Schedule.
- A-3 Interior Finish & Accessories Schedules
- A-3.1 Interior Elevations
- A-4 Details, Fastening Schedule.
- A-5 Cap Beam Plan & Details.
- P-1 Plumbing Plan & Information, **Mechanical Information**
- E-1 Electrical Plan
- E-2 Electrical Information & Allocated Solar Zone Plan.
- S-1 Slab Plan.

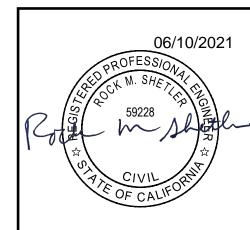
Design Loads

Wind 115 mph Exposure "C" (V) Floor 50 psf (SLAB ON GRADE) Seismic SITE CLASS D, $S_{DS} = 1.200$, $S_{D1} = 0.680$

Minimum allowable soil pressure 1,500 psf

Risk Category II

PPROVED: STATE OF CA - CERTIFIED DAA Date: 6/18/2021



DATE | REV# | REVISION DATE REV# REVISION



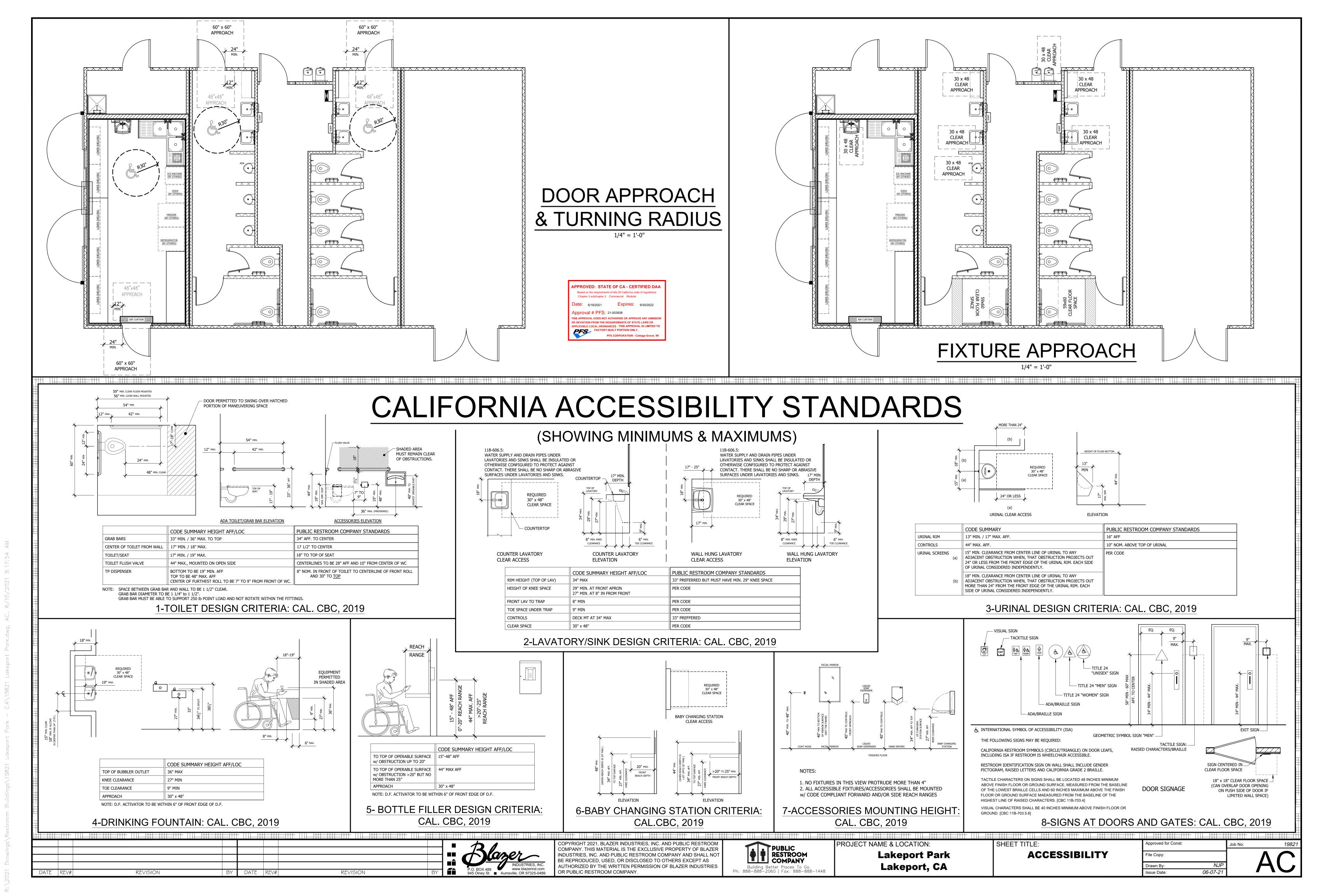
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PROJECT NAME & LOCATION: **Lakeport Park** Lakeport, CA

TITLE SHEET

Approved for Const: File Copy: NJPDrawn By: 06-07-21 Issue Date:



f) PROVIDE DOOR CHECK CHAIN (IVES CS 115-20). g) PROVIDE DOOR STOP (IVES WS 449B26D)

	~ALL DOORS C											
				1 & 2	3	4	5a	5b	5c	5d	6	
DOOR NO.	ROOM NAME	QTY	SIZE	TYPE	HINGE	LOCK	CLOSER	PULL PLATE	THRESH	SWEEP	NOTES	
1	MEN	1	3' x 7'	1	НМ	CONT	B663J	YES	BOTH SIDES	NO	NO	6b
	WOMEN	1		1 1111	CONT	60033	ILS	BOTTI SIDES	NO	NO	OD	
2	MECH. #2	1	3' x 7'	НМ	CONT	B660J	NO	BOTH SIDES	270A	321SSN	6e,f	
3	MECH. #1	1	3' x 7'	НМ	CONT	B660J	NO	BOTH SIDES	270A	321SSN	6e,g	
4	STORAGE	1	7'-0" x 7'-0"	НМ	CONT	B660J	NO	BOTH SIDES	270A	321SSN	6c,f	
5	CONCESSION	1	3' x 6'-8"	НМ	CONT	B660J	YES	BOTH SIDES	270A	321SSN	6d,e	
6	CONCESSION WINDOW SHUTTER	2	NOMINAL 4' x 4'	НМ	CONT	B662J w/ 5" BS	NO	NO	NO	321SSN	6a	
7	CONCESSION WINDOW	2	47 1/2"x 44"	READY ACCESS #600 SERIES INSULATED SLIDER, MILL FINISH w/ 19x35 SERVICE OPENING w/ RESTRICTOR PLATE TO REDUCE OPENING TO 216" - U-FACTOR - 0.81, SHGC - 0.45, VT - 0.47 6MM CL AIR CMM CL - IG $\frac{3}{4}$ ", ALUMINUM (NON-THERMAL)/ALUMINUM (NON-THERMAL), FILL 1: AIR (100), CL, NO GRID								

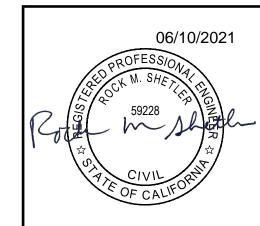
<u> 5 Oi</u>	PERABLE~						
	NOTES:	NOTE: DOOR HARDWARE SHALL BE CON	4PLIANT WITH CBC 11B -	- 404.2.7			
	 DOOR TYPES: a) HM: GALVANIZED HOLLOW METAL, 14 ga. D 	OOR w/ 14 ga. FRAME.					
	2. ALL H.M. DOOR FRAMES: a) WELDED. b) 4¾" WIDE OVERALL EXCEPT CONCESSION V c) 4" MASONRY HEADERS EXCEPT CONCESSION WINDOW TO BE 4 ¼" & CONC			P			E
	 HINGE SPECS: a) CONT: PEMKO KCFM-83" HD CONTINUOUS (EAR HINGE.	MEN 1	WOMEN 1	MECH CONC.	MECH 3	STORAGE 4
	 4. LOCKS: a) DEADBOLT: SCHLAGE B SERIES 626 w/ TEM 1) B660J - KEY ONE SIDE, ADA TURN LEVER 2) B663J - KEY ONE SIDE, ADA TURN LEVER 3) B662J - KEY BOTH SIDES. 5. HARDWARE SPECS: a) CLOSERS: LCN 4211 CUSH FOR OUT-SWING b) PULL PLATE: ROCKWOOD VRT24C US32Dx9 c) THRESH: PEMKO #229A (FOR TILE FLOORS) d) SWEEP: PEMKO 321SSN. 	LOCKS AND UNLOCKS. JNLOCKS ONLY. DOOR CFC US32DMS w/ ANTIMICROBIAL HANDI	LES AND LATCH GUARI	·	CONCESSION	INT. CONCESSION	READY ACCESS WINDOW 7
	 6. OTHER: a) MAKE PROVISION TO LOCK OPEN. b) MAGNETIC LOCKS - SUPPLY & INSTALL SAM c) LOCK INACTIVE LEAF WITH FLUSHBOLT TOF d) AIR CURTAIN - BERNER-SLC07-1042A WITH e) WEATHER STRIP - PEMKO 303-S. 	& BOTTOM. ACTIVE LEAF TO RECEIVE PU	LL HANDLE EACH SIDE	e plus deadi	BOLT LOCK.		

APPROVED: STATE OF CA - CERTIFIED DAA Based on the requirements of title 25 California code of regulations Chapter 3 subchapter 2 Commercial Modular Date: 6/18/2021 Expires: 9/30/2022 Approval # PFS: 21-003938 THIS APPROVAL DOES NOT AUTHORIZE OR APPROVE ANY OMISSION OR DEVIATION FROM THE REQUIREMENTS OF STATE LAWS OR APPLICABLE LOCAL ORDINANCES . THIS APPROVAL IS LIMITED TO FACTORY-BUILT PORTION ONLY.

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COMPONENT	GENERIC DESCRIPTION	ND EXTERIOR FINISHES~ SPECIFIC MATERIAL LIST	NOTE
FOUNDATION / FLOOR DECK:	CENTER DESCRIPTION	OF EGIT TO THAT ELLET	11012
CONCRETE SLAB			#1
PERIMETER FRAMEWORK	STRUCTURAL STEEL	L6x6x5/16 (ASTM A36)	"-
REINFORCEMENT	REBAR MAT DESIGN	#4 MIN. ASTM GRADE 60	
CONCRETE (LIGHT WEIGHT)	8" MAT DESIGN	CUSTOM 4000 psi. (DESIGN BASIS IS 2500 psi.) WITH INTEGRAL ADDITIVES FOR MOISTURE, STAINING, & CORROSION RESISTANCE ***NOTE: NO COATING IN CONCESSION***	
WALLS:			
FRAMING (EXT):			
TO 7'-4"	CMU BLOCK	4" PRECISION CONCRETE BLOCK	PG A-2
ALCOVE	CMU BLOCK	4" PRECISION CONCRETE BLOCK	
EXT. SHEATHING OVER CMU ABOVE WAINSCOT	3/4" PT PLYWOOD	23/32" APA RATED SHEATHING	
INSULATION (INT. SIDE OF CMU CONCESSION WALLS)	RIGID INSULATION	2 LAYERS OF 1" RIGID FOAM (R-11.4)	
OVER INSULATION	3/4" OSB	23/32 APA RATED	
CAP BEAM	STEEL	HSS4x4x1/8" (ASTM A500 GRADE C)	
ABOVE 7'-4" OR CAP BEAM @ GRID 1 ONLY	2x4 WOOD	2x4 DF STUDS @ 16"oc.; 2x4 PT BOTTOM PLATE	
ABOVE 7'-4" OR CAP BEAM EXCEPT @ GRID 1	2x3 WOOD	2x3 DF STUDS @ 16"oc.; 2x3 PT BOTTOM PLATE	
SHEATHING @ ALL FRAMED WALLS ABOVE CAPBEAM (BOTH SIDES)	7/16" OSB	7/16" APA RATED SHEATHING	#2
FRAMING (INT):			
TO 7'-4"	CMU BLOCK	4" PRECISION CONCRETE BLOCK	
CAP BEAM	STEEL	HSS6x4x1/8", HSS4x4x1/8" (ASTM A500 GRADE C)	
ABOVE 7'-4" OR CAP BEAM	2x3 WOOD	2x3 DF STUDS @ 16"oc.; 2x3 PT BOTTOM PLATE	
SHEATHING (ABOVE CAP BEAM)			
ALL FRAMED WALLS U.N.O. (BOTH SIDES)	7/16" OSB	7/16" APA RATED SHEATHING	#2
CONCESSION MODLINE WALL FRAMING:			
TO CAPBEAM	2x4 WOOD	2x4 DF STUDS @ 16"oc.; 2x4 PT TOP & BOTTOM PLATE	
INSULATION IN FRAMED WALL	BATT	3 1/2" FIBERGLASS BATT (R-13)	
ABOVE CAP BEAM	2x4 WOOD	2x4 DF STUDS @ 16"oc.; 2x4 PT BOTTOM PLATE	
SHEATHING - SLAB TO ROOF (CONCESSION SIDE ONLY)	3/4" OSB	23/32 APA RATED	
SHEATHING - ABOVE & BELOW CAPBEAM (MODLINE SIDE ONLY)	7/16" OSB	7/16" APA RATED SHEATHING	
CONCESSION / MECH. #2 WALL FRAMING:			
SLAB TO ROOF	2x6 WOOD	2x6 DF STUDS @ 16"oc.; 2x6 PT TOP & BOTTOM PLATE	
INSULATION IN FRAMED WALLS	BATT	3 1/2" FIBERGLASS BATT (R-13)	
SHEATHING - SLAB TO ROOF (CONCESSION SIDE ONLY)	3/4" OSB	23/32 APA RATED	
SHEATHING - SLAB TO ROOF (MECH. ROOM 2 SIDE ONLY)	7/16" OSB	7/16" APA RATED SHEATHING	
ROOF:			
RAFTERS	2x6 WOOD RAFTERS	2x6 DF #2 RAFTERS (MOD 01 @ 16"oc., MODS 02/03 @ 24"oc., MOD 04 @ 12"oc.)	
SHEATHING (TOP OF RAFTER)	5/8" PLYWOOD	19/32 APA RATED (40/20)	
INSULATION TOP (OVER CONCESSION ONLY)	RIGID INSULATION	2" RIGID FOAM (R-11.4)	
INSULATION BOTTOM (OVER CONCESSION ONLY)	BATT	3 1/2" FIBERGLASS BATT (R-13)	
SHEATHING (BOTTOM OF RAFTER)	3/4" OSB	23/32 APA RATED	#3
FASCIA	STEEL	16 ga. FORMED STEEL	

COAT WITH ADDITIVE FOR URINE AND MOISTURE RESISTANCE.
 PAINT WALL SHEATHING FOR MOISTURE PROTECTION (ONE SIDE).
 SEE INTERIOR FINISH SCHEDULE FOR FINISHED CEILING CALLOUT.



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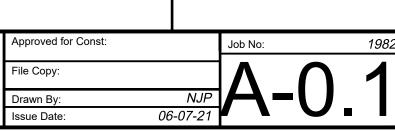


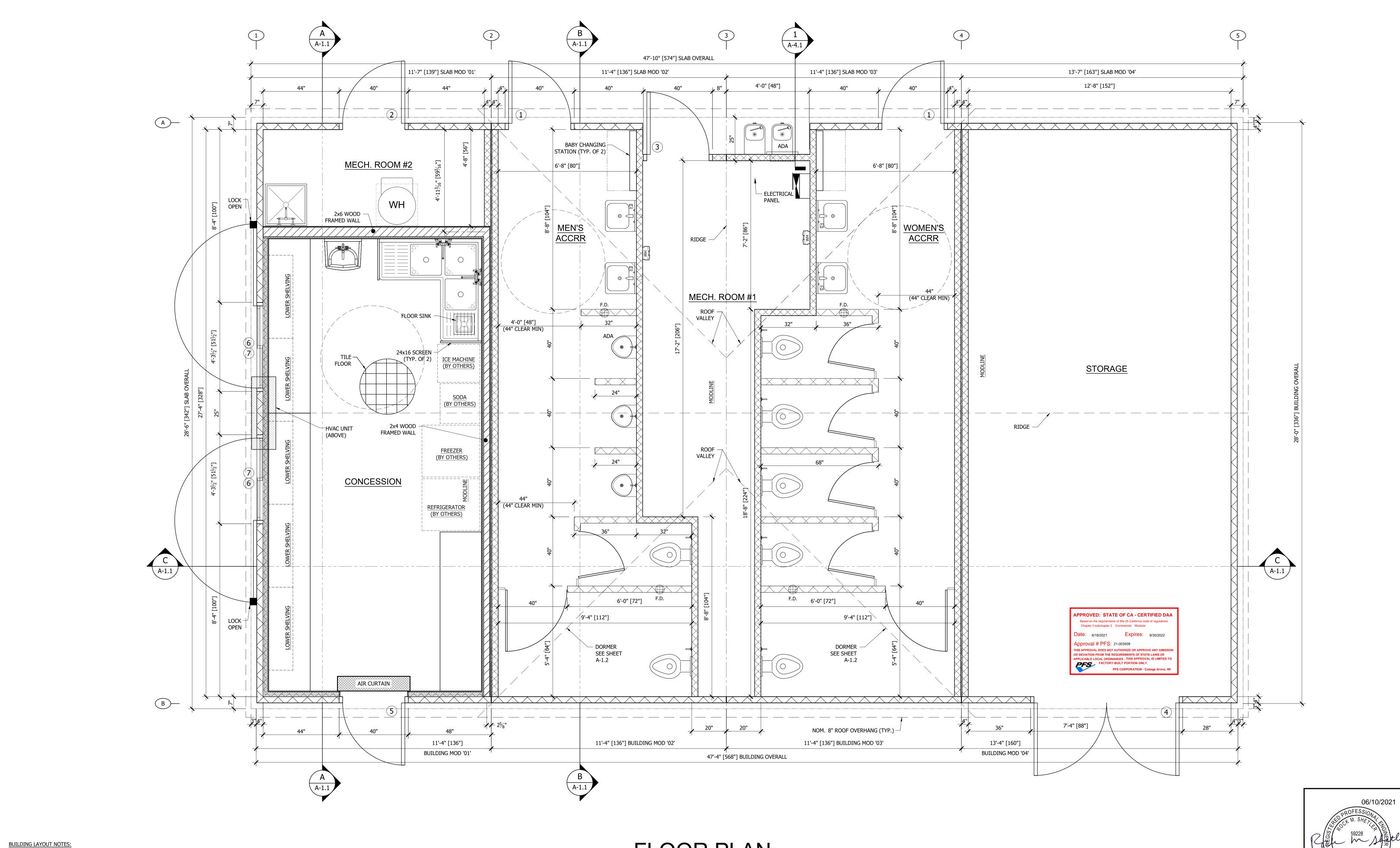
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PROJECT NAME & LOCATION: Lakeport Park Lakeport, CA

SHEET TITLE: **DOOR & DESIGN SCHEDULES**





BUILDING LAYOUT NOTES:

1. SLAB SIZE IS SLIGHTLY LARGER THAN BUILDING SIZE.

DATE REV#

2. BUILDING SIZE IS DETERMINED BY INTERIOR DIMENSIONS OF THE RESTROOMS. DIMENSIONS ARE FACE OF BLOCK TO FACE OF BLOCK OR FACE OF OSB. 3. START LAYOUT BY MEASURING 7" IN FROM EDGE OF SLAB (AFTER VERIFYING SLAB IS CORRECT). THIS WILL BE THE INSIDE FACE OF THE EXTERIOR BLOCK WALLS.

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REVISION

FLOOR PLAN

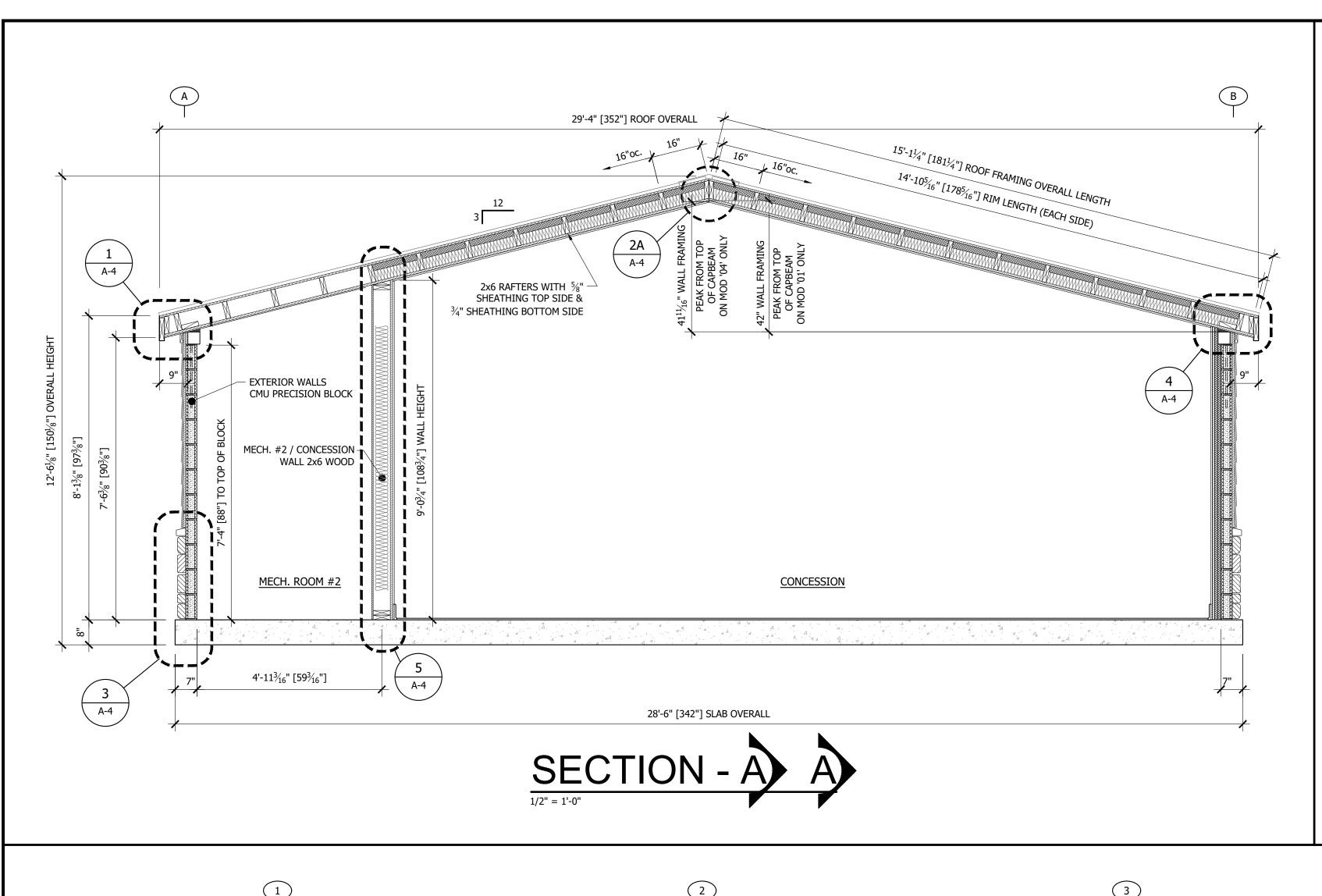
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PUBLIC RESTROOM COMPANY

PROJECT NAME & LOCATION: **Lakeport Park** Lakeport, CA

SHEET TITLE: **FLOOR PLAN** Approved for Const: File Copy: NJP Drawn By: 06-07-21 Issue Date:

Job No:

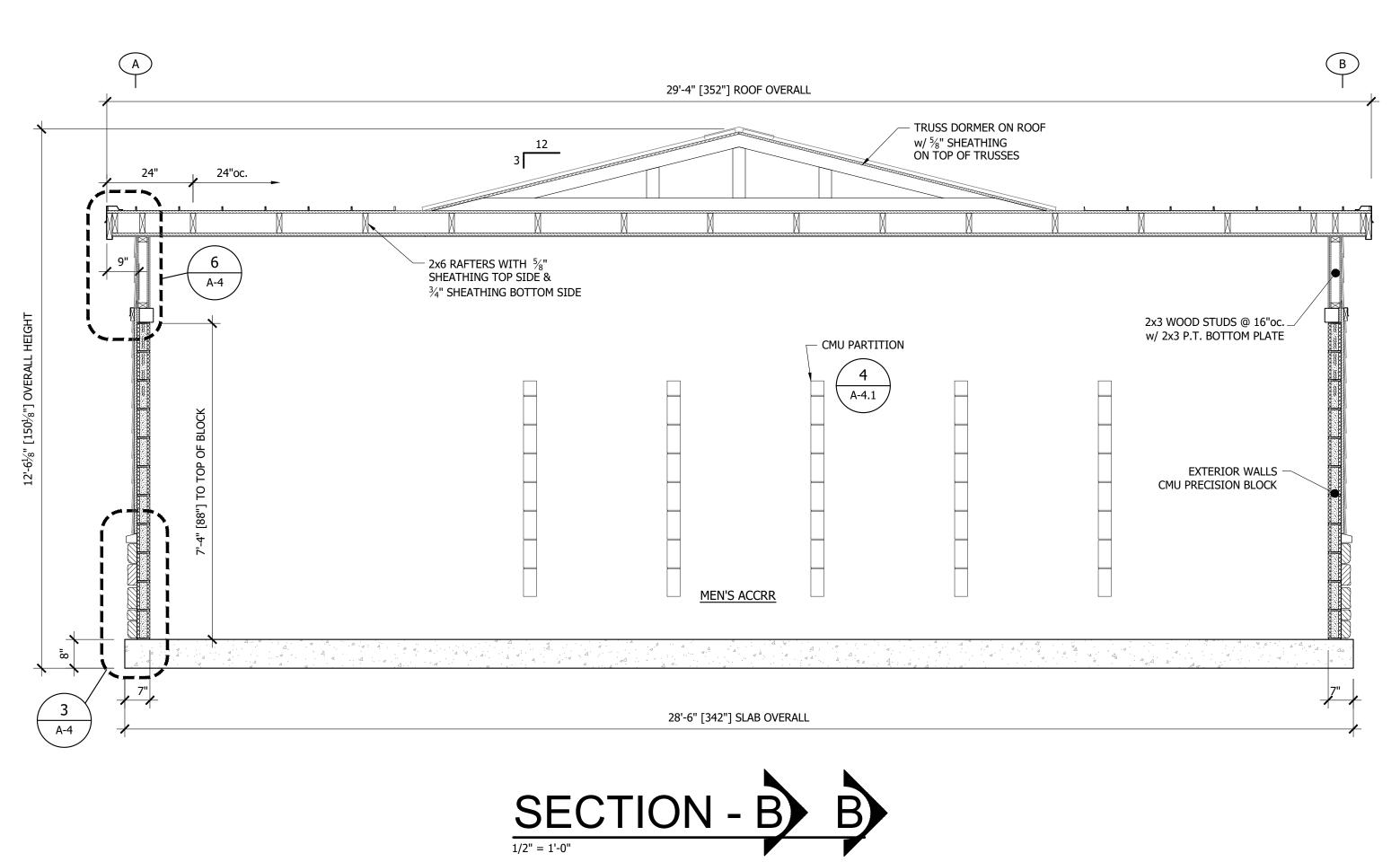


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PROJECT NAME & LOCATION:

Lakeport Park

Lakeport, CA

PUBLIC RESTROOM COMPANY

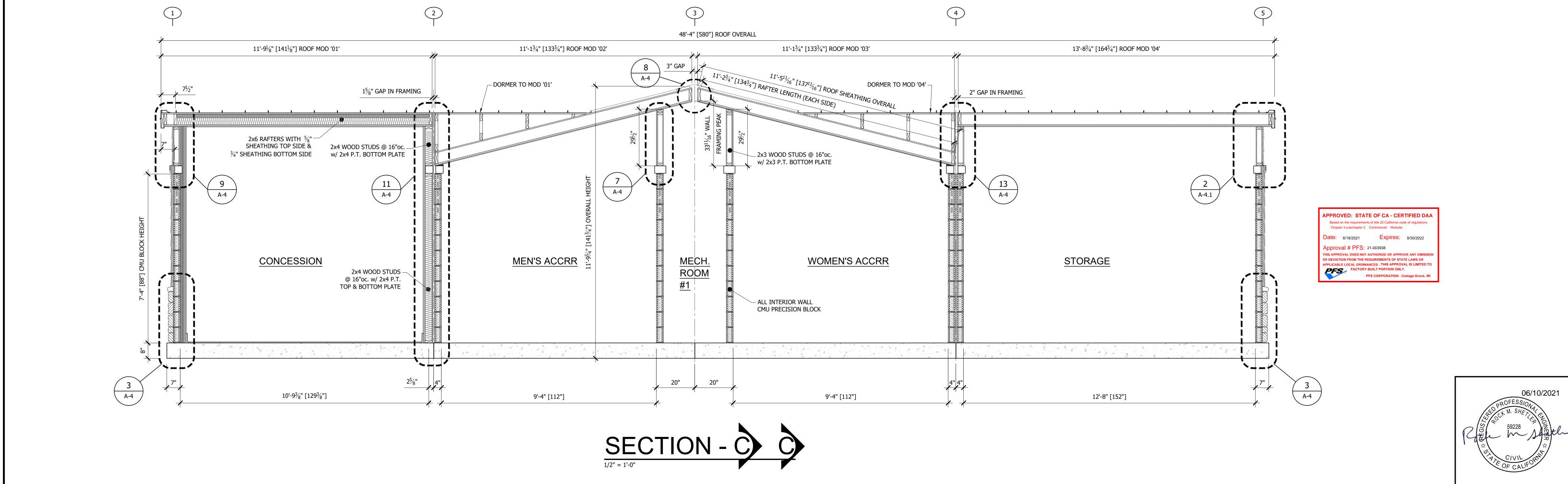
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SECTIONS

Approved for Const:

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Drawn By:



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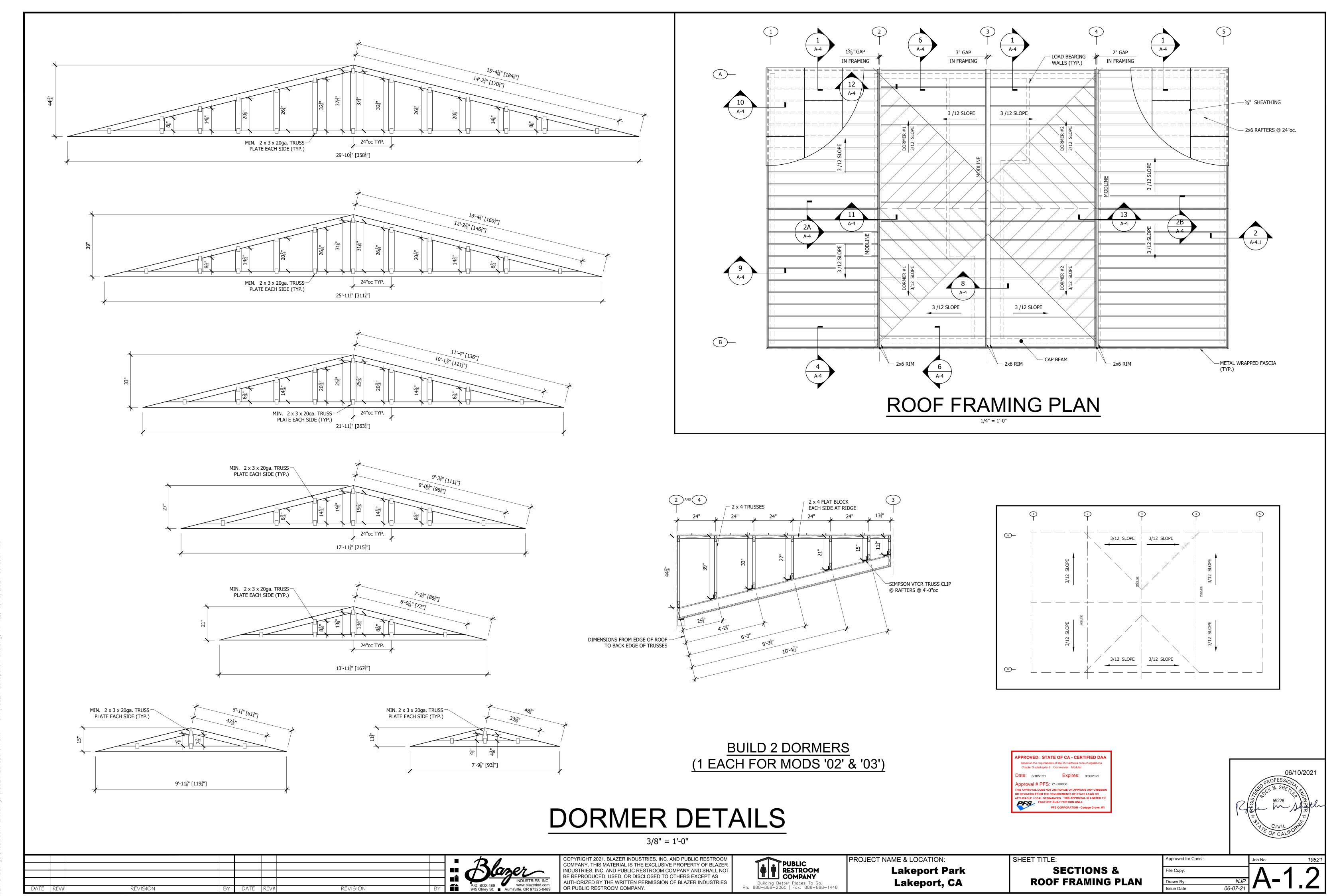
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APPROVED: STATE OF CA - CERTIFIED DAA

Based on the requirements of title 25 California code of regulations
Chapter 3 subchapter 2 Commercial Modular

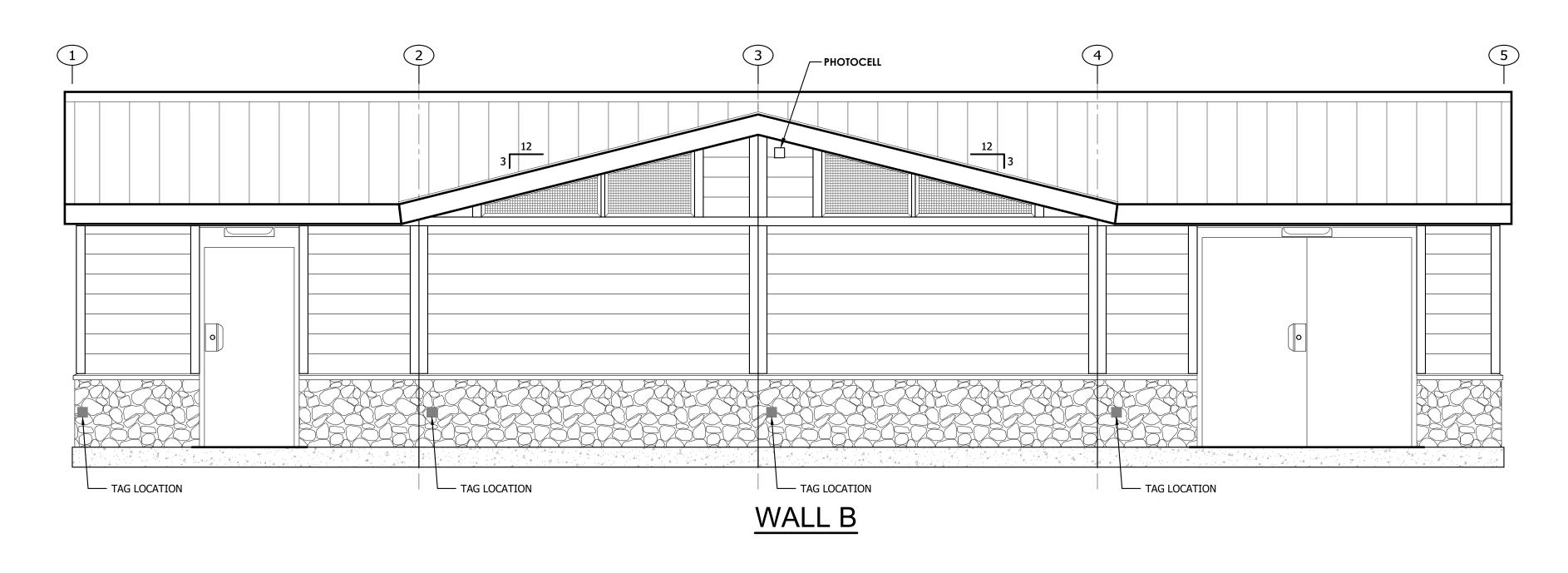
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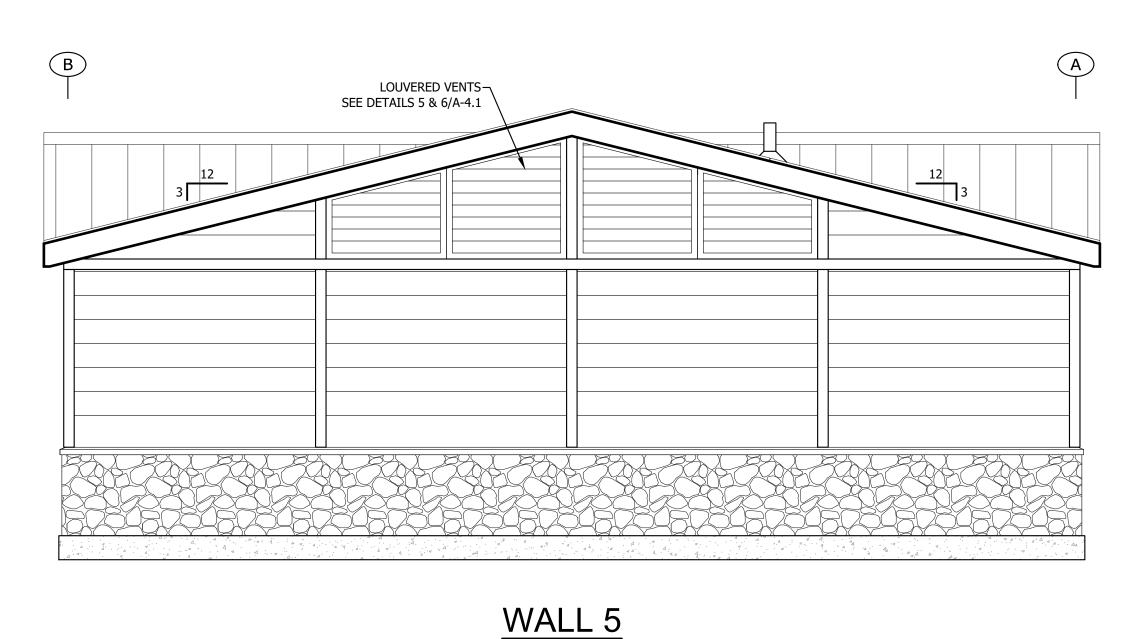
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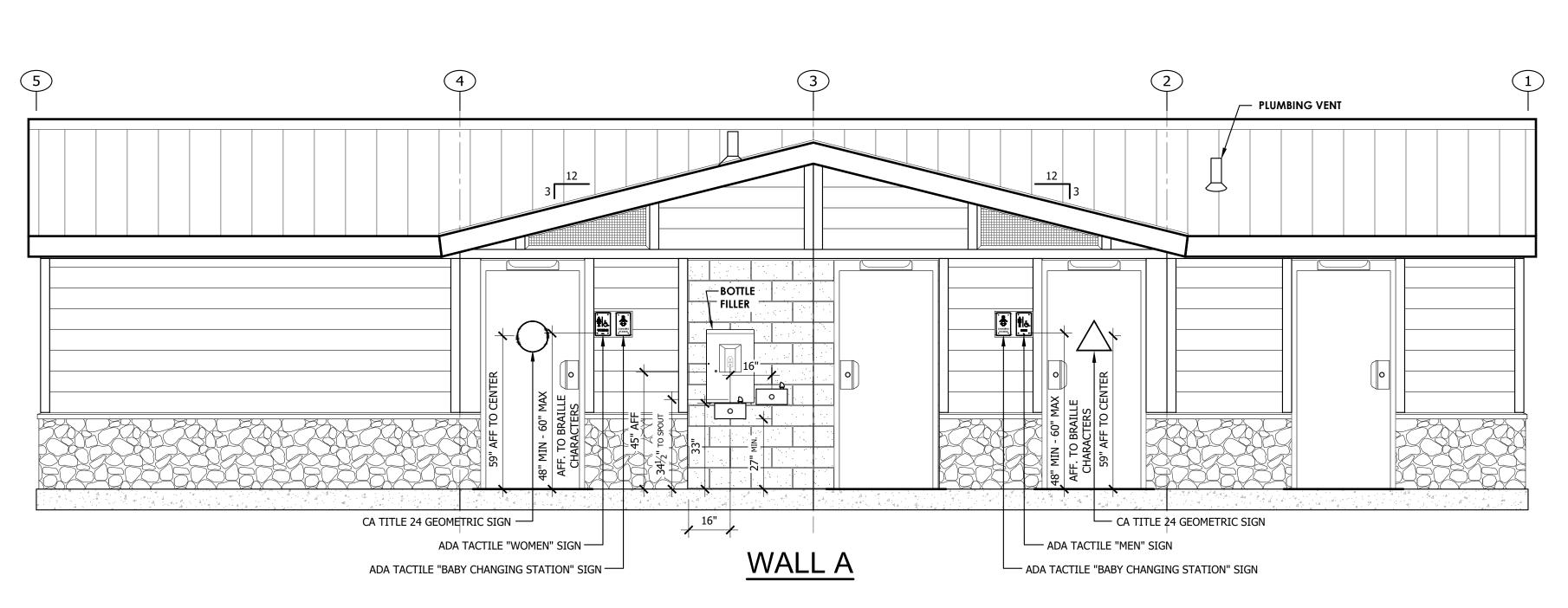
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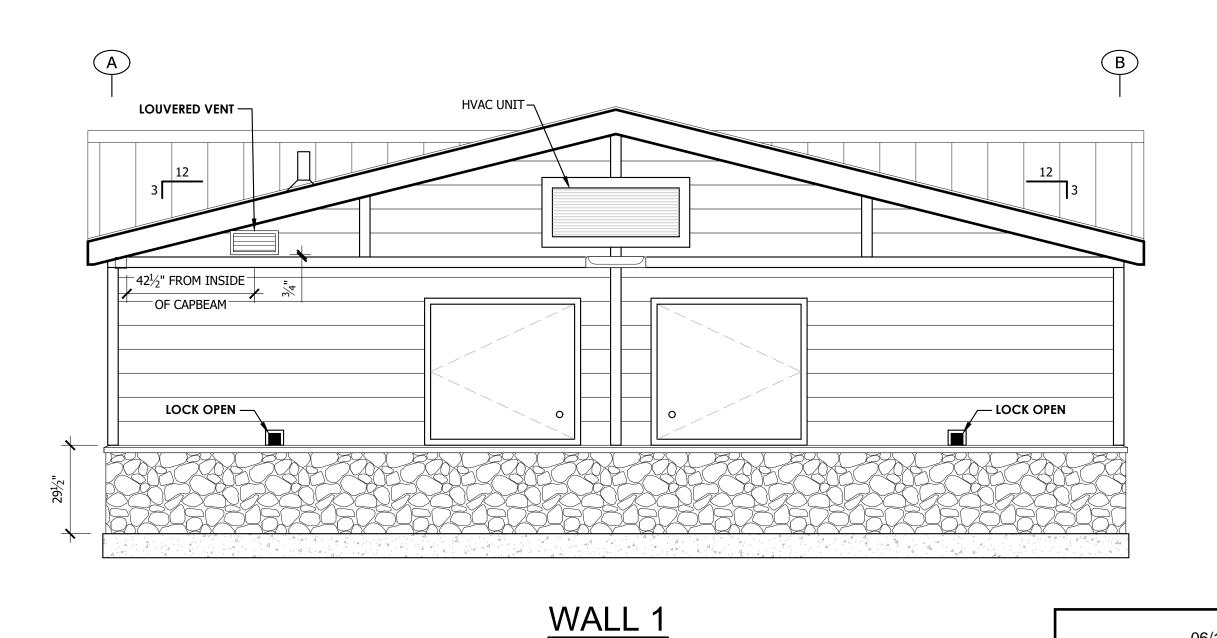
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EXTERIOR ELEVATIONS

3/8" = 1'-0'

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PUBLIC RESTROOM COMPANY

Building Better Places To Go.
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT NAME & LOCATION:

Lakeport Park

Lakeport, CA

EXTERIOR ELEVATIONS & EXT. FINISH SCHEDULE

Approved for Const:

File Copy:

Drawn By:

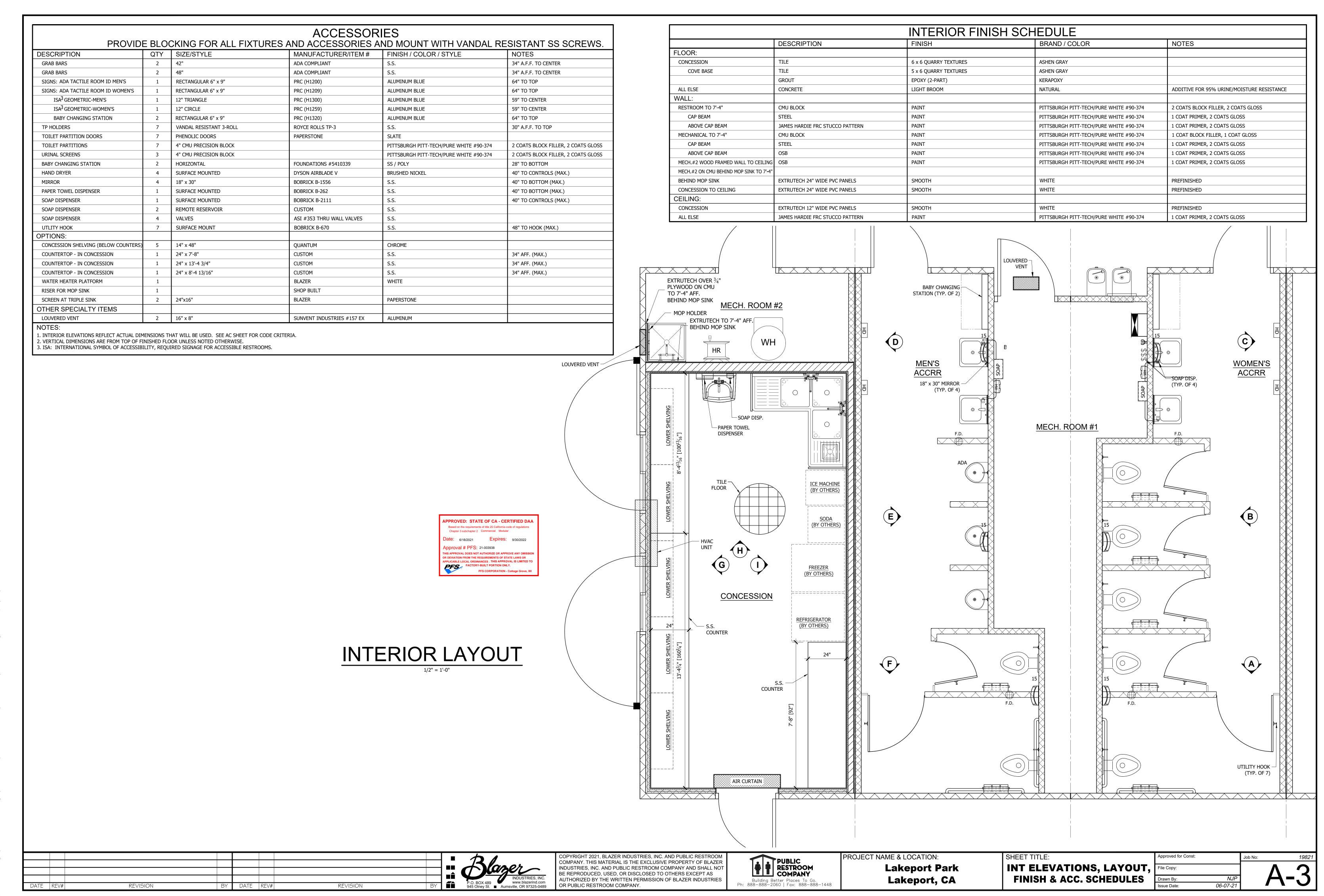
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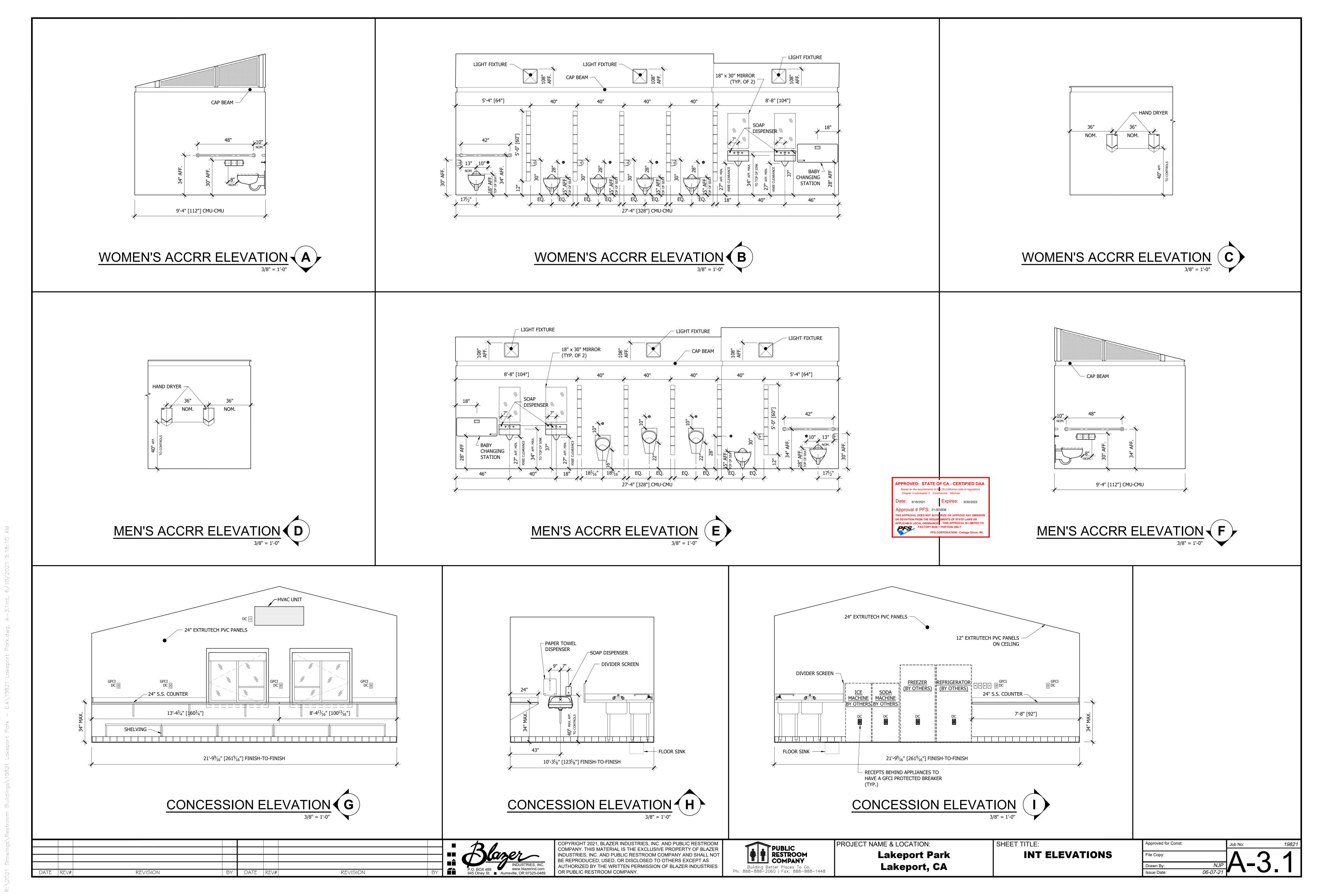
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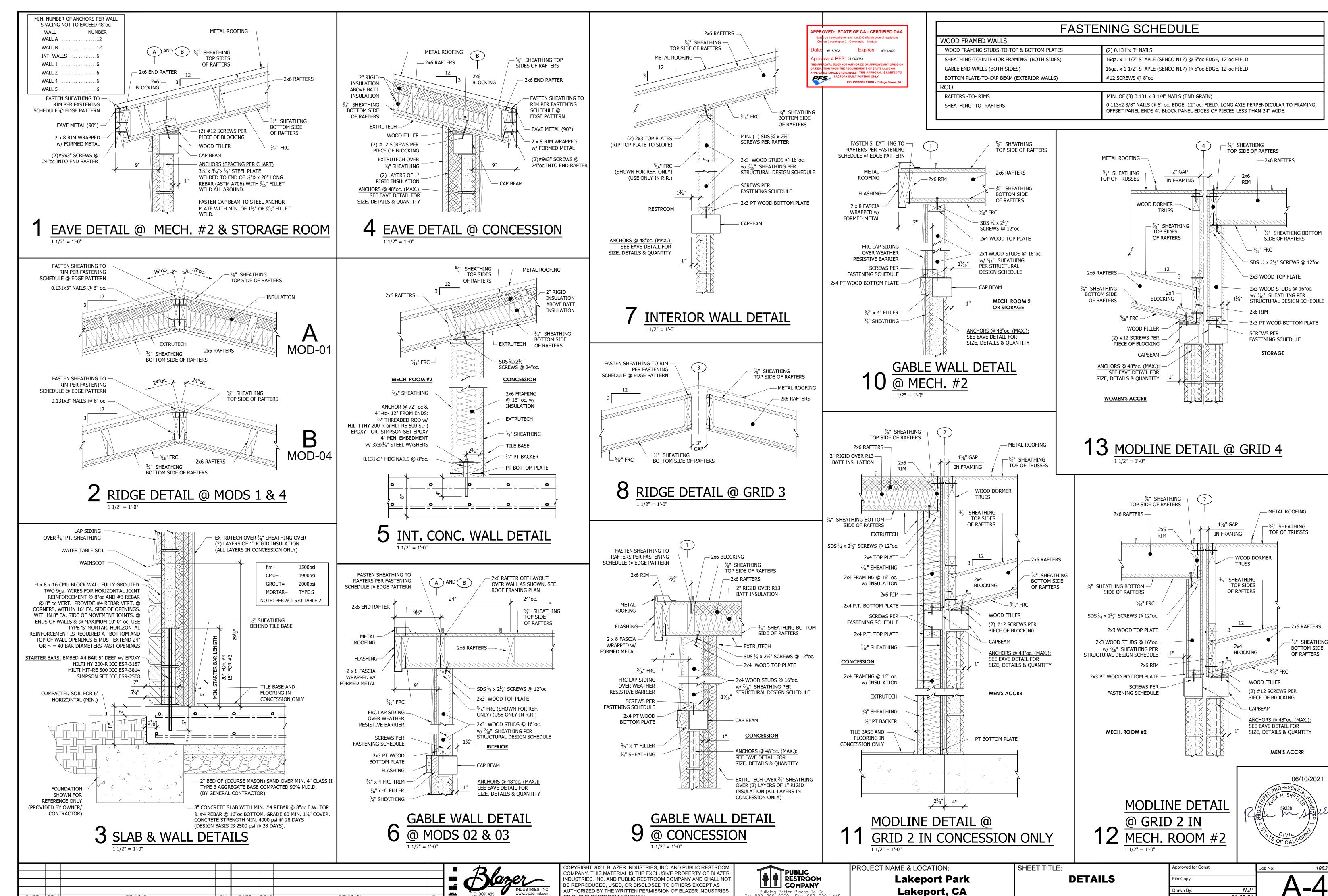
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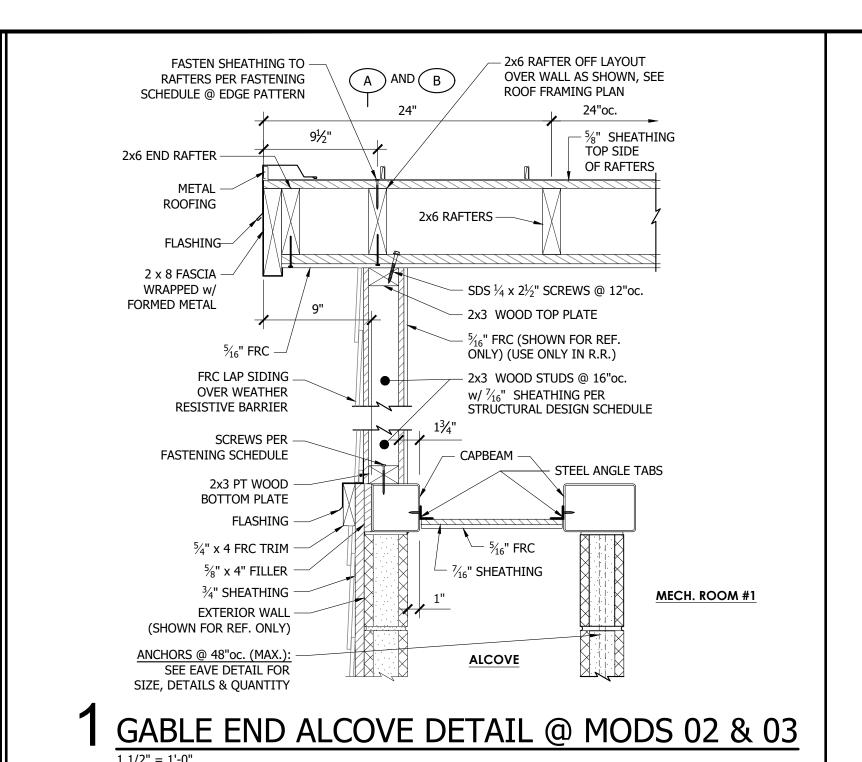
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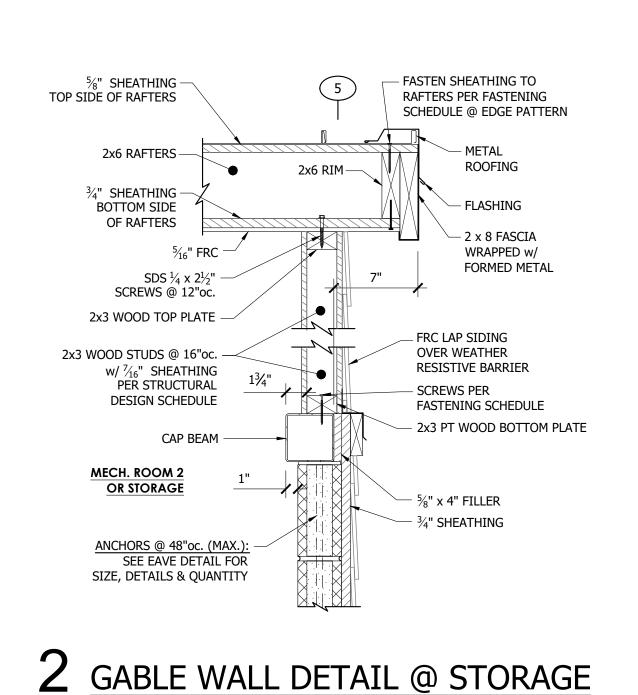
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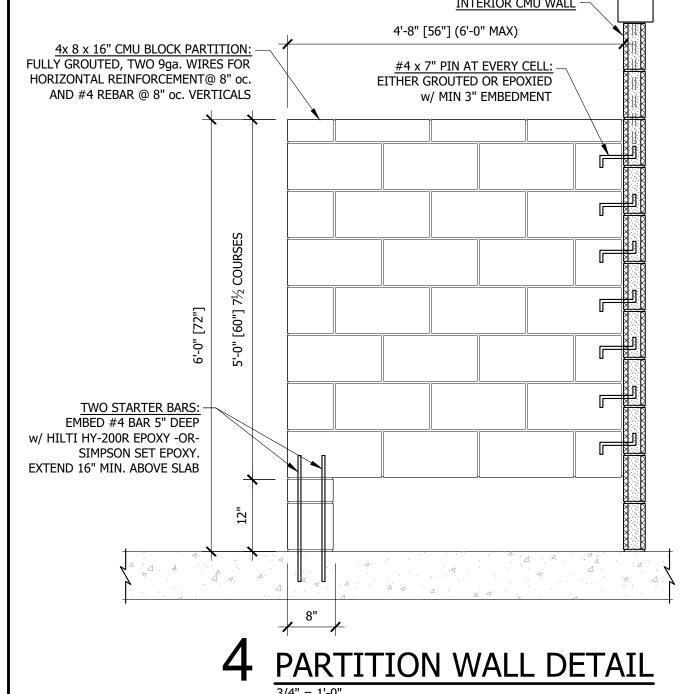
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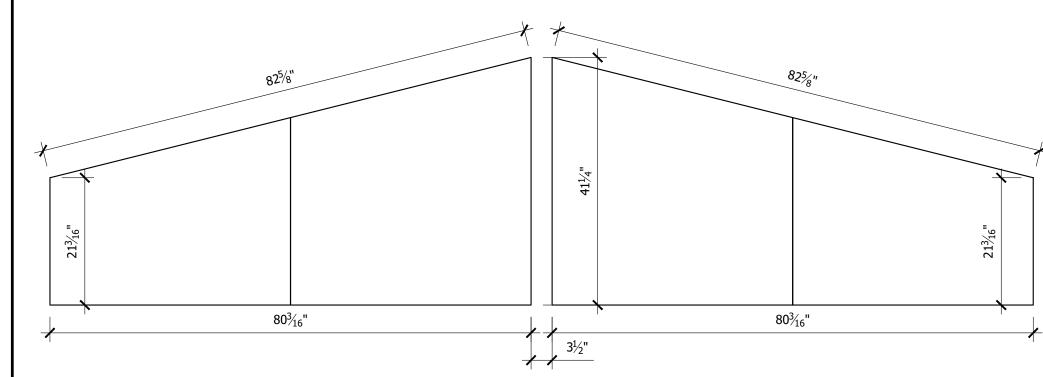
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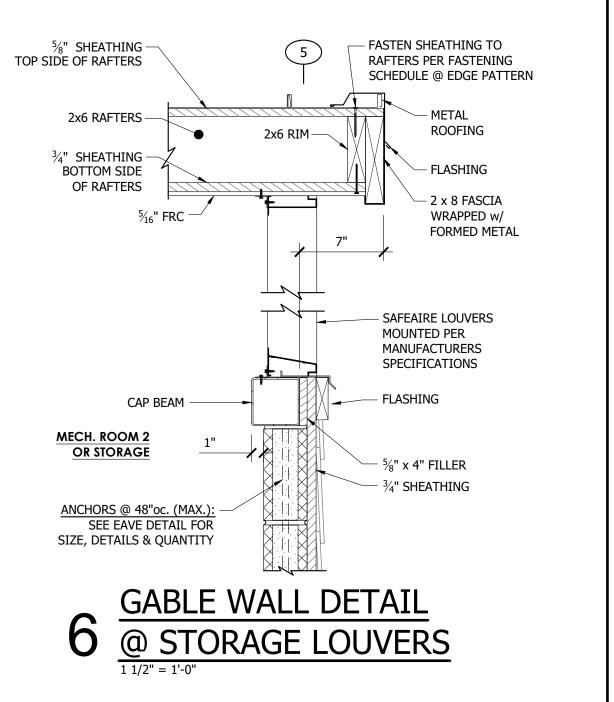


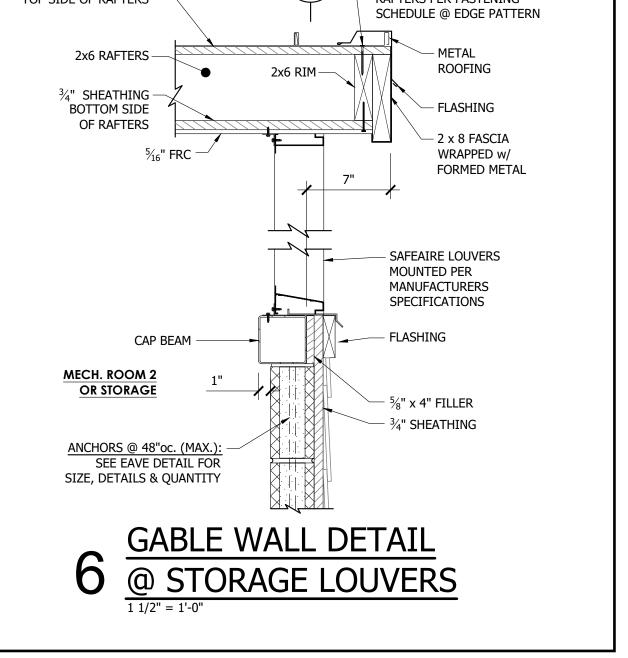


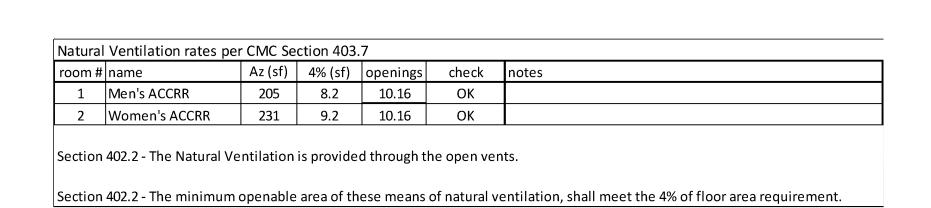


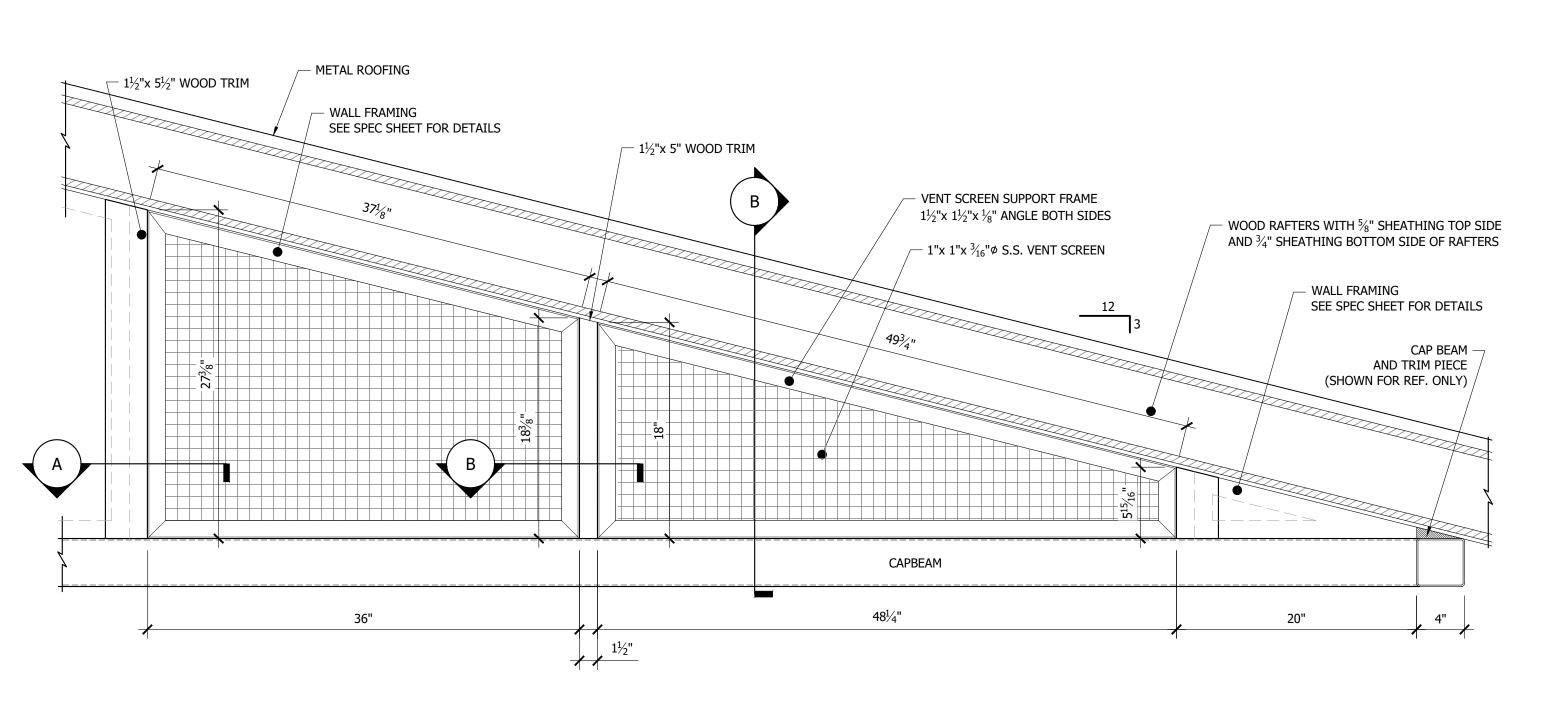


5 FRAMED OPENING FOR LOUVERED VENTS @ GRID 5









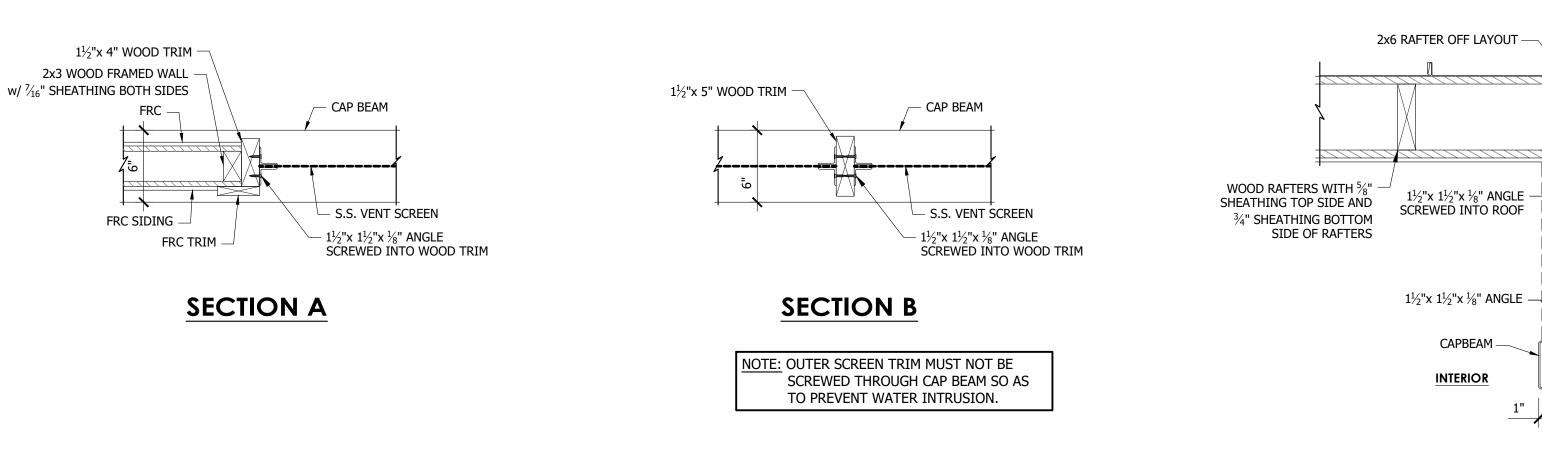
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PES CORPORATION - Cottage Grove Mile

METAL ROOFING

S.S. VENT SCREEN

SECTION C



 $3_{\frac{1}{1}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}}$

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PROJECT NAME & LOCATION: **Lakeport Park** Lakeport, CA

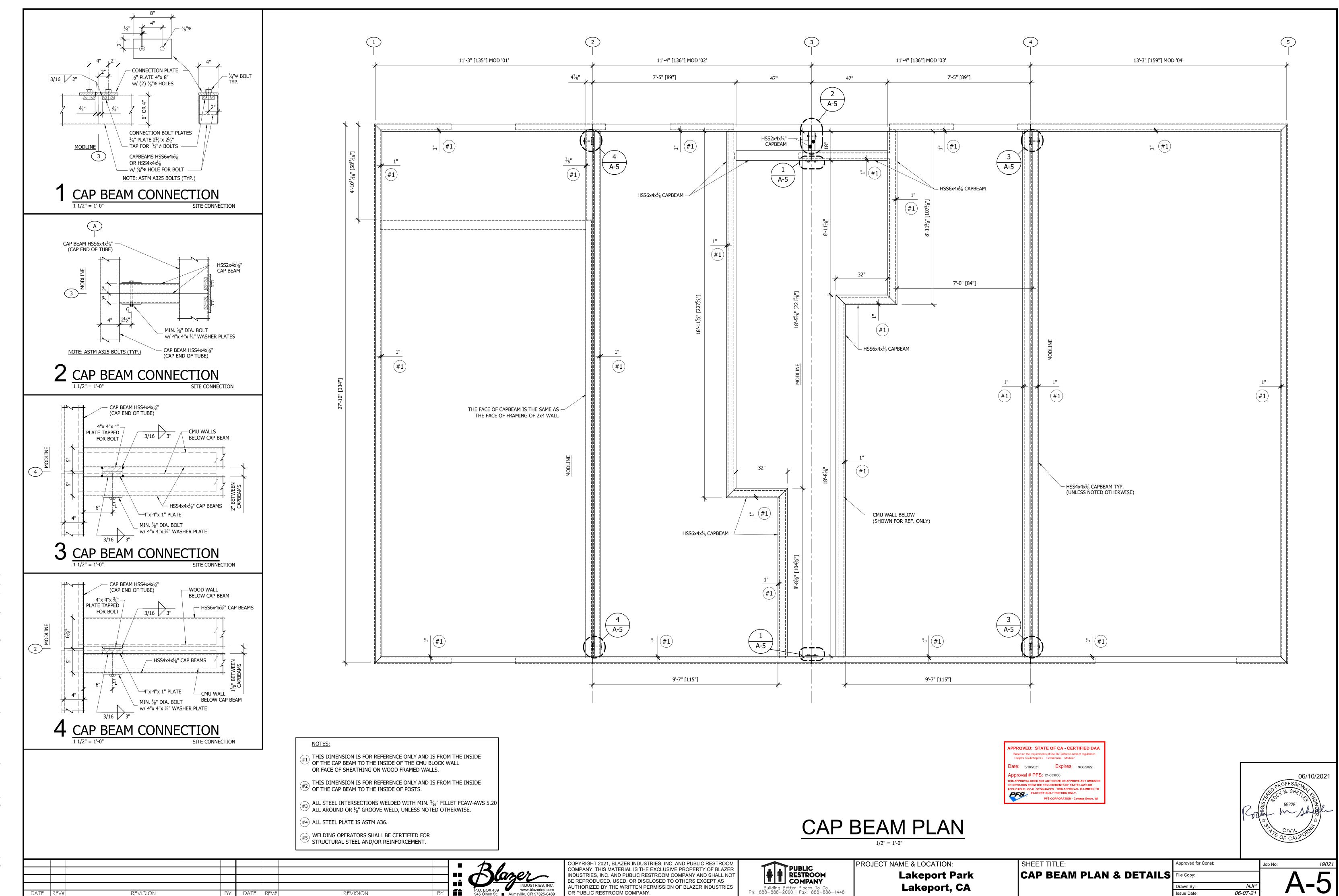
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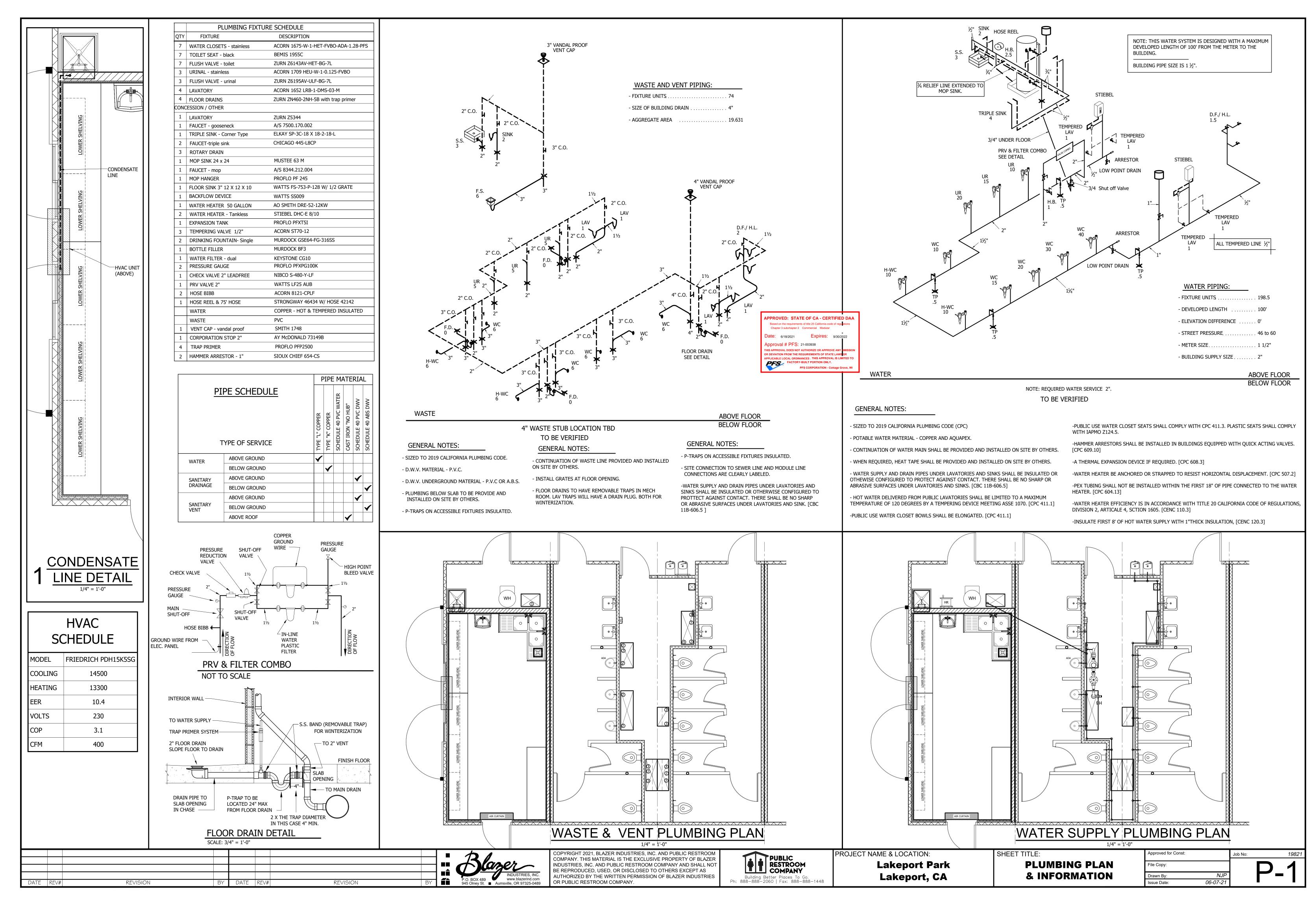
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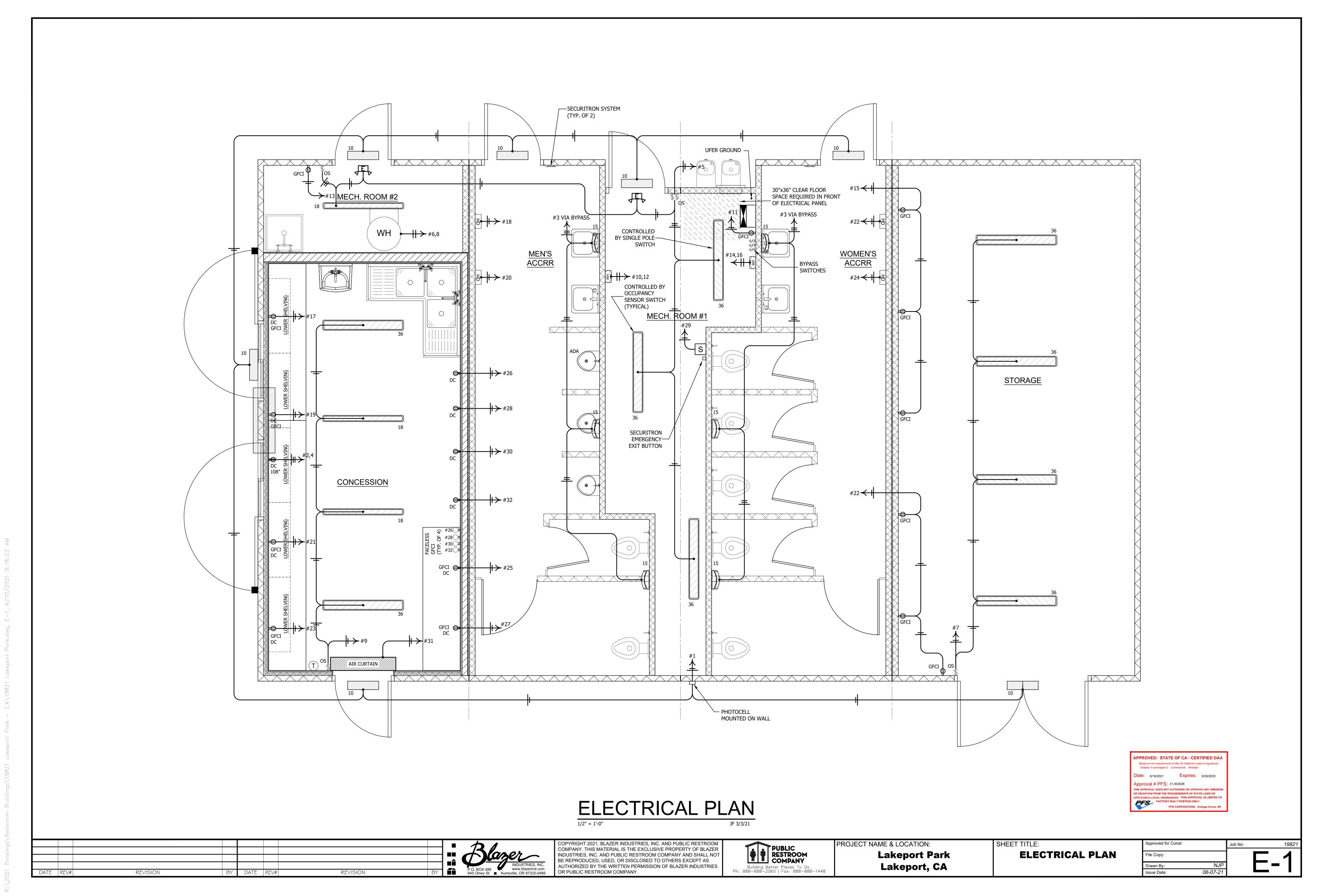
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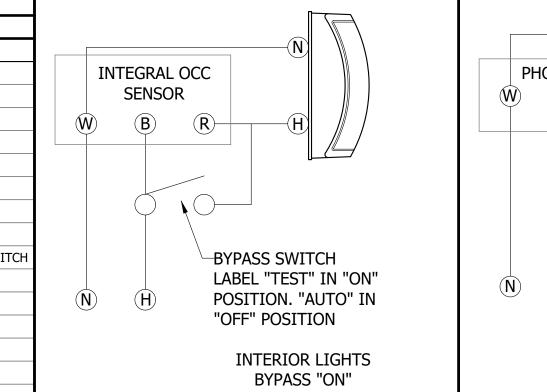
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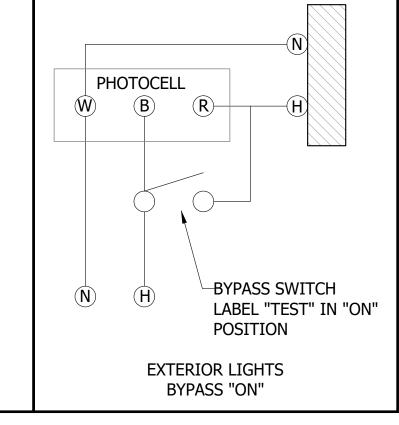


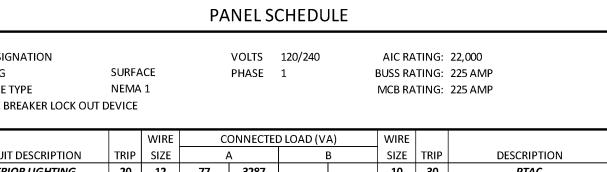
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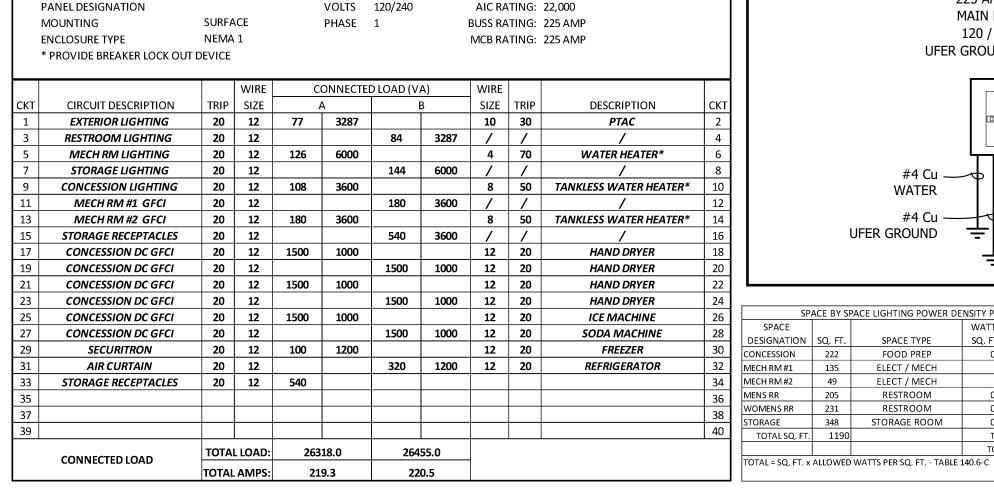


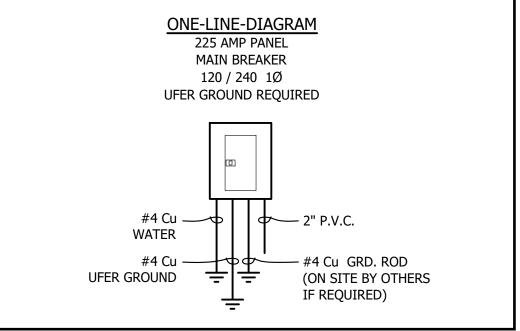












TOTAL INSTALLED 462 W

	I	#4 Cu UFER GROUND	<u></u>	#4 Cu GRD (ON SITE B' IF REQUIRE	Υ (
SP	ACE BY SF	PACE LIGHTING POWER DE	NSITY PER 2	2019 TITLE 24	
SPACE			WATTS		
SIGNATION	SQ. FT.	SPACE TYPE	SQ. FT.	TOTAL	
CESSION	222	FOOD PREP	0.95	211	
H RM #1	135	ELECT / MECH	0.4	54	
H RM #2	49	ELECT / MECH	0.4	20	
IS RR	205	RESTROOM	0.65	133	
VIENS RR	231	RESTROOM	0.65	150	
RAGE	348	STORAGE ROOM	0.46	160	

21	CONCESSION DC GFCI	20	12	1500	1000			12	20	HAND DRYER	22
23	CONCESSION DC GFCI	20	12			1500	1000	12	20	HAND DRYER	24
25	CONCESSION DC GFCI	20	12	1500	1000			12	20	ICE MACHINE	2
27	CONCESSION DC GFCI	20	12			1500	1000	12	20	SODA MACHINE	28
29	SECURITRON	20	12	100	1200			12	20	FREEZER	30
31	AIR CURTAIN	20	12			320	1200	12	20	REFRIGERATOR	3:
33	STORAGE RECEPTACLES	20	12	540							3,
35											3
37											38
39											40
	CONNECTED LOAD TOTAL LOAD: 26318.0					264	55.0				
	CONNECTED LOAD	TOTAL	AMPS:	21	.9.3	22	0.5				
		•	•								
LEC	TRICAL PLAN REVIEW LOA	AD CALO	CULATIO	ON			CALC	BY: JC	EL FR	ESHOUR	
DD01507 1950 40004 LAV5D0D7 DADV											

PROJECT INFO: 19821 LAKEPORT PARK DATE: 3/3/2021									
PANEL:		VOLTAGE:	120/240	PHASE:	1		AMPACITY:	225	
FED FROM: EXISTING SERVICE						Α	C RATING:	22,000	
DESCRIPTION	VA	DEMAND	PHASE	PHASE		NEUTRAL	NEUTRAL		NOTES
DESCRIPTION	LOAD	FACTOR	Α	В		Α	В		NOTES
LIGHTING									
EXTERIOR LIGHTING	77	1.25	96			96			
INTERIOR LIGHTING	234	1.25	293			293			
INTERIOR LIGHTING	228	1.25		285			285		
RECEPTACLES									
TOTAL	540	1.00	720	720		720	720		
HVAC (MOTORS)									
TOTAL (PTAC)	1574	1.00	787	787					
LARGEST (COMPRESSOR)	1416	0.25	177	177					
HEATING	5000	1.00	2500	2500					

	222.4								AMPS
LARGEST POWER PHASE	26689.0		•		T NEUTR	RAL PHASE		10025.0	VA
		AMPS	221.4	222.4		82.6	83.5		
		VA	26573.0	26689.0		9909.0	10025.0		
			A	B		A	B		
TOTALS	1200	1.00	PHASE			NFUTRΔI	NEUTRAL		
REFRIGERATOR	1200	1.00	1200	1200		1200	1200		
FREEZER	1200	1.00	1200	1000		1200	1000		
SODA MACHINE	1000	1.00	1000	1000		1000	1000		
ICE MACHINE	1000	1.00	1000			1000			
HAND DRYER (4)	4000	1.00	2000	2000		2000	2000		
AIR CURTAIN	320	1.00	100	320		100	320		
SECURITRON	100	1.00	100	7300		100	7500		
CONCESS DC GFCI (6)	9000	1.00	4500	4500		4500	4500		
TANKLESS WH(2)	14400	1.00	7200	7200					
TANK WATER HEATER	12000	1.00	6000	6000					
HEATING	5000	1.00	2500	2500					
LARGEST (COMPRESSOR)	1416	0.25	177	177					
TOTAL (PTAC)	1574	1.00	787	787					
HVAC (MOTORS)	4==.	1.00							
III (4.0 (4.40 TO D.C.)									
TOTAL	540	1.00	720	720		720	720		
RECEPTACLES									
INTERIOR LIGHTING	228	1.25		285			285		
INTERIOR LIGHTING	234	1.25	293			293			
EXTERIOR LIGHTING	77	1.25	96			96			
LIGHTING									
DESCRIPTION	LOAD	FACTOR	Α	В		Α	В		NOTES
	VA	DEMAND	PHASE	PHASE		NEUTRAL	NEUTRAL	•	
FED FROM: EXISTING SERVICE			•			Al	C RATING:	22,000	
PANEL:		VOLTAGE:	120/240	PHASE:	1	A	AMPACITY:	225	

REVISION

DATE REV#

DATE REV#

,										
HVAC (MOTORS, COMPRESSOR SIZES)										
OPERATION VOLTAGE	187	MIN.	253	MAX.						
COMPRESSOR	5.9	RLA	28.9	LRA						
OUTDOOR BLOWER FAN	.66	FLA								
HEAT STRIP	5.0	KVA								
MINIMUM CIRCUIT AMPS			27.4	AMPS						
MAXIMUM OVERCURRENT PROT		30	AMPS							

PTAC UNIT PDH15K5SG

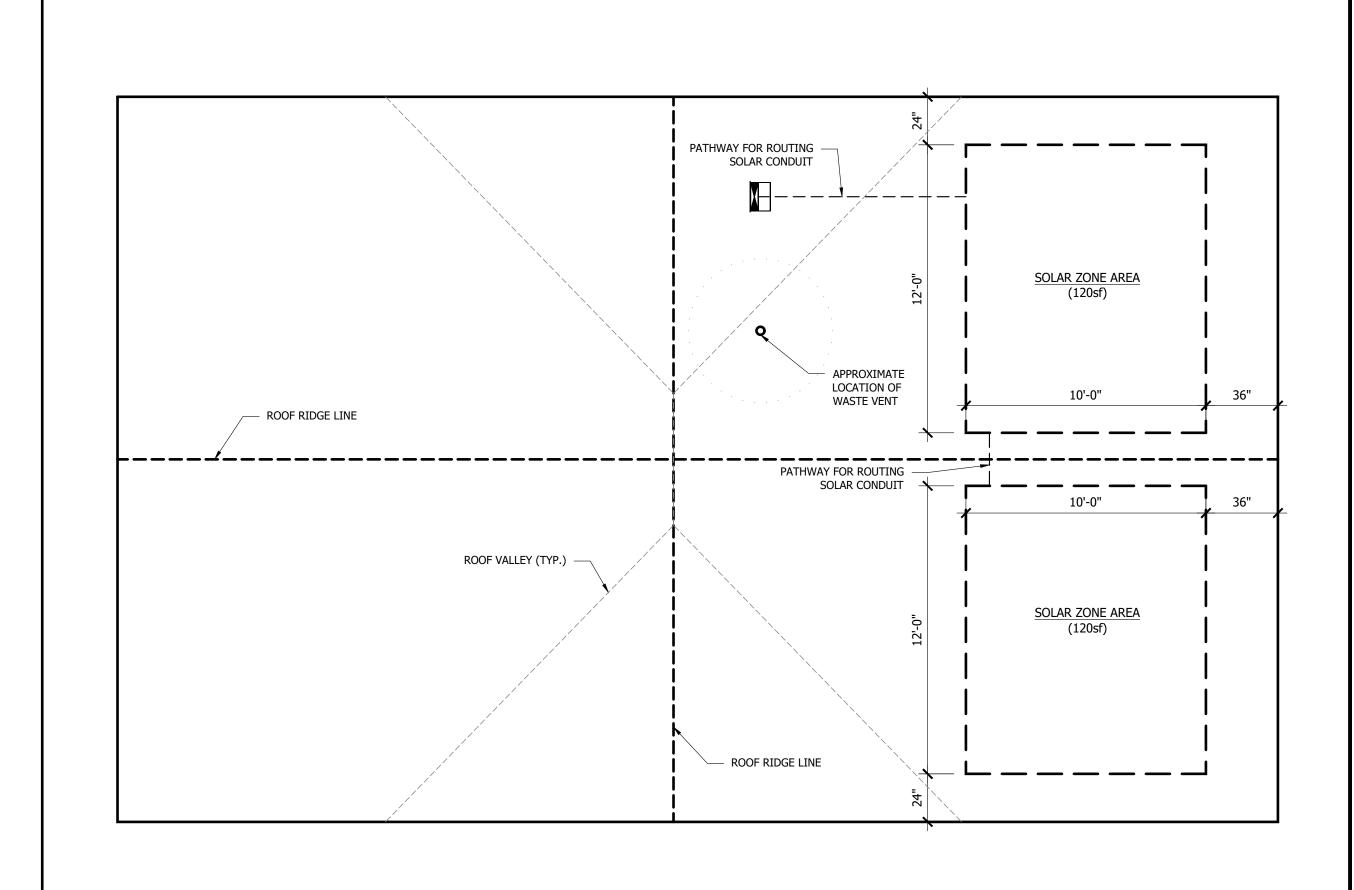
1. ALL CONDUCTORS ARE STRANDED COPPER WIRE. 2. RATING OF STANDARD PANEL IS 22,000 A.I.C. 3. WIRING METHOD IN METALLIC CONDUIT. (MC CABLE, EMT, METALLIC FLEX) 4. INSTALL UFER GROUND IN SLAB, TERMINATING IN MECH. 5. GREEN GROUNDING CONDUCTOR IN ALL RACEWAYS 6. SITE CONNECTION POINT FOR ELECT SERVICE AND MODULE

LINE CROSS OVERS ARE CLEARLY LABELED

NOTES:

APPROVED: STATE OF CA - CERTIFIED DAA Based on the requirements of title 25 California code of regular Chapter 3 subchapter 2 Commercial Modular Date: 6/18/2021 Expires: 9/30/2022 Approval # PFS: 21-003938 THIS APPROVAL DOES NOT AUTHORIZE OR APPROVE ANY OMISSIO APPLICABLE LOCAL ORDINANCES : THIS APPROVAL IS LIMITED TO
FACTORY-BUILT PORTION ONLY.

PES CORPORATION. CONTROL OF THE PROVING STATE OF THE PROVINCE OF THE PR PFS CORPORATION - Cottage Grove, W



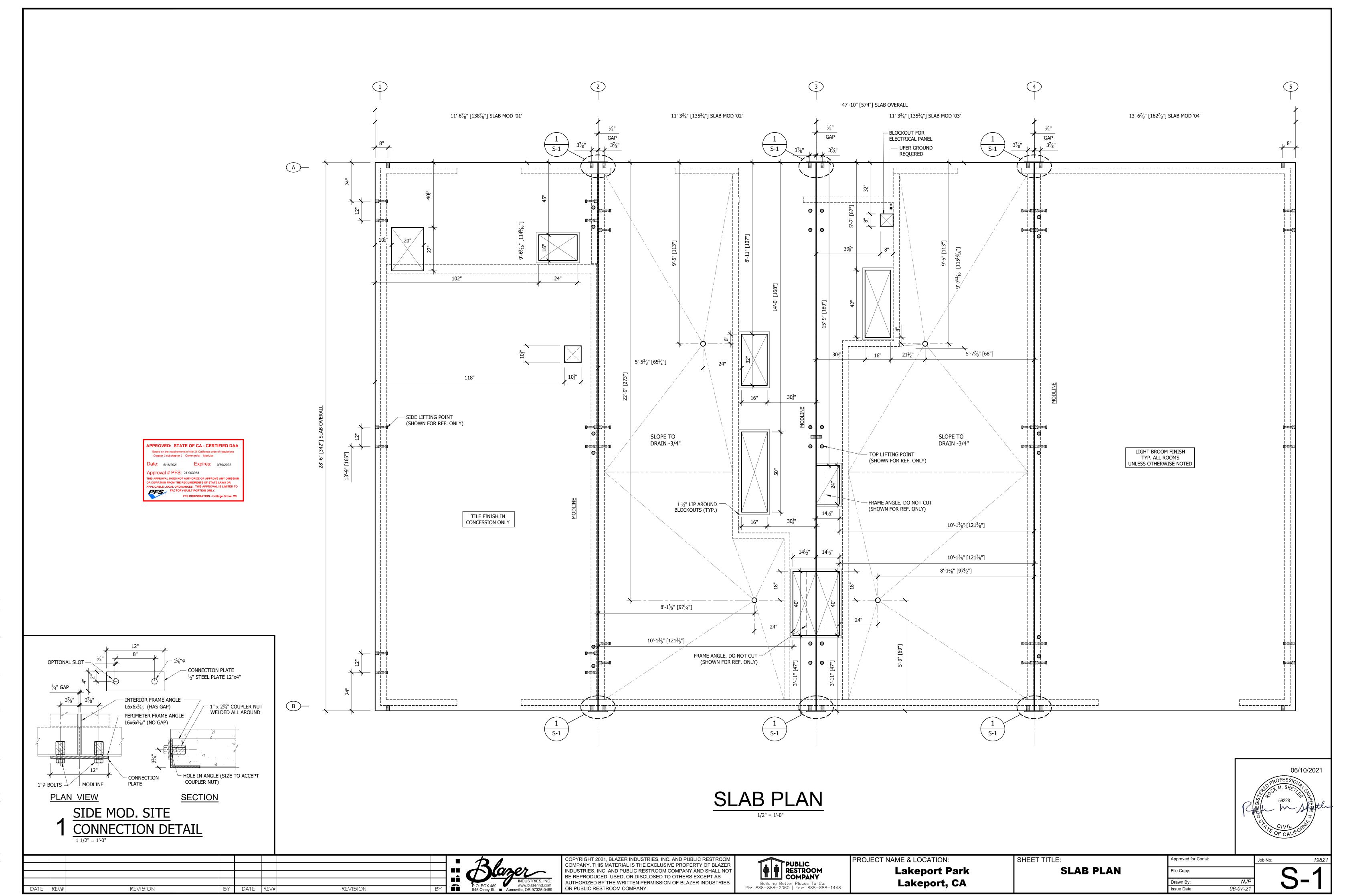
ALLOCATED SOLAR ZONE PLAN GROSS ROOF AREA = 1461 sq.ft.

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PROJECT NAME & LOCATION: **Lakeport Park** Lakeport, CA

ELECTRICAL INFO., & ALLOCATED SOLAR ZONE PLAN Drawn By: Issue Date:



R:\2021 Drawings\Restroom Buildings\19821 Lakeport Park — CA\19821 Lakepa