ABBREVIATIONS

ABBREVIATION

ABS AC BCR BO BOC BOW C & G C,G, & SW CL CB C.B.C. CJ CO COS DIA DIP DWG EBOW ECR EEP EP ESMT EX. FH FOC FT. GB HORIZ HP IN IН IΡ IΤ LTS MAX MH MIN NO. NRCP NTS OD PC PCC POT PP PRC PT PUE PVC ΡL R R/W RC RCP RET RP RT SD SS SL SW SDMH SHT SSMH STA STD ТС TOW THRU TI TYP UNO UV VCP VERT W WP (W) (E)

DESCRIPTION AGGREGATE BASE ACRYLONITRILE-BUTADIENE-STYRENE ASPHALT CONCRETE BEGINNING OF CURB RETURN BLOWOFF BACK OF CURB BACK OF WALK CURB AND GUTTER CURB, GUTTER, AND SIDEWALK CENTERLINE CATCH BASIN CALIFORNIA BUILDING CODE 2010 CONSTRUCTION JOINT CLEANOUT CITY OF STOCKTON DIAMETER DUCTILE IRON PIPE DRAWING EXISTING BACK OF WALK END OF CURB RETURN ELEVATION EDGE OF EXISTING PAVEMENT EDGE OF PAVEMENT, EXISTING PAVEMENT EASEMENT EXISTING FLOWLINE FIRE HYDRANT FACE OF CURB FEET GROUND GRADE BREAK HORIZONTAL HIGH POINT INSIDE DIAMETER INCH LINEAL FEET LAMP HOLE LOW POINT LEFT LIME TREATED SUB-BASE MAXIMUM MAINTENANCE HOLE MINIMUM NUMBER NON-REINFORCED CONCRETE PIPE NOT TO SCALE OUTSIDE DIAMETER PAVEMENT POINT OF CURVATURE POINT OF COMPOUND CURVATURE POINT OF TANGENCY POWER POLE POINT OF REVERSE CURVATURE POINT PUBLIC UTILITY EASEMENT POLYVINYL CHLORIDE PROPERTY LINE RADIAL OR RADIUS RIGHT-OF-WAY ROLL-CURB REINFORCED CONCRETE PIPE RETURN RADIUS POINT RIGHT STORM DRAIN SANITARY SEWER STREET LIGHT SIDEWALK STORM DRAIN MAINTENANCE HOLE SHEET SANITARY SEWER MAINTENANCE HOLE STATION STANDARD TOP OF CURB TOP OF WALL THROUGH TRAFFIC INDEX TYPICAL UNLESS NOTED OTHERWISE UNDERGROUND VAULT VITRIFIED CLAY PIPE VERTICAL WATER WEAKENED PLANE WEST EAST SOUTH NORTH PLUS OR MINUS







SHEET INDEX

SHEET TITLE
COVER SHEET
SITE PLAN
GENERAL NOTES
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE SHEET 1
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DEMOLITION PLAN
PAVING AND DIMENSIONING PLAN
PAVING AND DIMENSIONING PLAN - BID ALT
OVERALL GRADING PLAN
GRADING PLAN I
GRADING PLAN II
GRADING PLAN - BID ALT
UTILITY PLAN
UTILITY PLAN - BID ALT
EROSION CONTROL PLAN
SURVEY CONTROL



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NEW SECURED STAFF PARKING LOT AT C CITY PROJECT NO. E016015-A CITY OF STOCKTON, CALIFORNIA

VICINITY MAP

C8.0	CONSTRUCTION DETAILS I
C8.1	CONSTRUCTION DETAILS II
C8.2	CONSTRUCTION DETAILS III
L1.0	IRRIGATION PLAN
L1.1	IRRIGATION PLAN - BID ALT
L1.2	IRRIGATION LEGEND & NOTES
L1.3	IRRIGATION LEGEND & NOTES - BID ALT
L1.4	IRRIGATION CALCULATIONS
L1.5	HYDROZONE PLAN
L1.6	HYDROZONE PLAN - BID ALT
L2.0	TREE PLAN
L2.1	TREE PLAN - BID ALT
L2.2	SHRUB & GROUNDCOVER PLAN
L2.3	SHRUB & GROUNDCOVER PLAN - BID ALT
L2.4	PLANTING LEGENDS & NOTES
L2.5	PLANTING LEGENDS & NOTES - BID ALT
L2.6	SHADE CALCULATIONS PLAN
L3.0	LANDSCAPE DETAILS I
L3.1	LANDSCAPE DETAILS II
L3.2	LANDSCAPE DETAILS III





SITE MAP	
NOT TO SCALE	

E0.1	ELECTRICAL COVER SHEET
E1.0	OVERALL SITE PLAN - ELECTRICAL
E1.1	OVERALL SITE PLAN - ELECTRICAL - BID ALT
E1.2	OVERALL SITE PLAN - PHOTOMETRICS
E2.0	PLOT PLANS - ELECTRICAL
E3.0	ELECTRICAL DETAILS
E3.1	ELECTRICAL DETAILS
E3.2	ELECTRICAL DETAILS
E3.3	ELECTRICAL DETAILS
E4.0	COMPLIANCE FORMS - T24
E4.1	COMPLIANCE FORMS - T24



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NOTES:

- 1. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PROPERLY DISPOSING OF ALL MATERIALS DEMOLISHED FROM THE SITE INCLUDING: PAVEMENT, CONCRETE, CURB AND GUTTER, STORM DRAINAGE MATERIALS AND ELECTRICAL MATERIALS.
- 2. IF ANY QUESTIONS ARISE AS TO WHETHER SOMETHING SHOULD BE REMOVED, CONTRACTOR SHALL CONTACT SIEGFRIED ENGINEERING, INC. IMMEDIATELY AT 209-943-2021.
- ANYTHING NOT CALLED OUT TO BE REMOVED SHALL BE PROTECTED IN PLACE, AND IF DAMAGED, SHALL BE REPLACED / REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 4. ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD. IT IS IMPERATIVE THAT "U.S.A. LOCATING SERVICES" LOCATE AND MARK EXISTING UTILITIES PRIOR TO THE START OF EXCAVATION.
- 5. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.

PARKING SUMMARY

TYPE OF PARKING	NUMBER OF PUBLIC STALLS (UNSECURED)	NUMBER OF EMPLOYEE STALLS (SECURED)	NUMBER OF STALLS
COMPACT	8	53	61
STANDARD	43	277	320
ACCESSIBLE	3	7	10
ACCESSIBLE VAN	2	3	5
TOTAL	56	340	396

LEGEND:

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EXISTING MONITORING WELL SAFETY LIGHTING **BID ALT AREA EXTENTS** PATH OF TRAVEL

KEY NOTES:

- $\langle 1 \rangle$ INSTALL SECURITY FENCE PER DETAIL 5, SHEET C8.1
- $\langle 2 \rangle$ INSTALL CARD READER FOR ENTRY AND BOLLARDS PER SHEET E2.0
- $\langle 3 \rangle$ INSTALL CITY STANDARD PAYMENT STATION
- INSTALL PEDESTRIAN GATE WITH, AUTO CLOSER, GATE STOP, AND KNOX BOX PER DETAIL 6, SHEET C8.1 $\langle 4 \rangle$
- $\left< 5 \right>$ INSTALL VEHICLE GATE WITH KNOX BOX PER DETAIL 8, SHEET C8.1
- $\langle 6 \rangle$ BICYCLE RACK MECHANICALLY FASTENED TO CONCRETE SLAB
- $\langle 7 \rangle$ INSTALL PEDESTRIAN GUARDRAIL PER DETAIL 3, SHEET C8.2

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GN						RECORD DWGS.		STOCKTON	I, CALIFORNIA	E016015–A

CITY OF STOCKTON GENERAL NOTES

1. ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: CURENT CITY OF STOCKTO	N
STANDARD SPECIFICATIONS AND PLANS, INCLUSIVE OF ALL CURENT REVISIONS AND AMENDMENTS, CALIFORNIA DEPARTM	ENT OF
TRANSPORTATION CURRENT STANDARD PLANS AND SPECIFICATIONS (CALTRANS), INCLUSIVE OF ALL CURRENT REVISIONS	AND
AMENDMENTS, AND CA-MUTCD LATEST EDITION, INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS THERETO. WH	ERE
THERE IS A CONFLICT BETWEEN THE PLANS AND THE CITY'S STANDARD SPECIFICATIONS AND PLANS, THE CITY OF STOCKT	ON
STANDARD SPECIFICATIONS AND PLANS SHALL PREVAIL. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE	
IMPROVEMENTS IN ACCORDANCE WITH THE ABOVE-MENTIONED STANDARDS AND SPECIFICATIONS.	

- 2. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE COMPLETE WORK SCOPE AND ALL RELATED CONDITIONS PRIOR TO BID. ANY QUESTIONS OR DISCREPANCIES WITH THE INFORMATION SHOWN HEREIN MUST BE DIRECTED TO THE ENGINEER PRIOR TO BID.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTIONS AND COMPLETION OF THE PROJECT AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY PERMITS AND/OR LICENSES ARE SECURED PRIOR TO CONSTRUCTION.
- 4. CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF STOCKTON FOR ANY WORK DONE WITHIN CITY RIGHTS-OF-WAY OR ON CITY-OWNED FACILITIES WITHIN AN EASEMENT. CONTRACTOR SHALL CALL THE PERMIT CENTER AT (209) 937-8366 TO REQUEST A CONTROL NUMBER AND ACTIVATE THE PERMIT NO LESS THAN 24 HOURS, BUT NOT IN EXCESS OF 72 HOURS PRIOR TO START OF WORK.
- 5. ALL STATIONS REFER TO DISTANCES ALONG STREET CENTERLINE, UNLESS OTHERWISE NOTED. ALL STATIONS OFF CENTERLINE ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTERLINE STATIONS.
- 6. THE CONTRACTOR SHALL RECEIVE PRIOR APPROVAL FROM THE ENGINEER FOR ANY EXTRA WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ENGINEER AT NO ADDITIONAL COST TO THE CITY.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE ALL EXISTING AND NEWLY PLACED IMPROVEMENTS THAT ARE TO REMAIN. SUCH IMPROVEMENTS THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE CITY
- 8. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY AND SECURITY OF JOB SITE, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 9. THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE AS-BUILT DRAWINGS SHOWING THE FINAL LOCATION OF FINAL IMPROVEMENTS. AS-BUILT DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR.
- 10. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
- 11. ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH SECTION 7 OF THE CITY OF STOCKTON STANDARD SPECIFICATIONS.
- 12. THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKERS FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 5' OR MORE. EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATIONS PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR TRENCHES 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH SECTION 7-1.02K(6)(b) OF THE CALTRANS STANDARDS, SECTION 6705 OF THE STATE OF CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.
- 13. ATTENTION IS CALLED TO: SECTION 1541(b)(1) OF THE CONSTRUCTION SAFETY ORDERS (CALIFORNIA CODE OF REGULATIONS, TITLE 8), ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, WHICH STATES: "THE APPROXIMATE LOCATION OF SUBSURFACE INSTALLATIONS, SUCH AS SEWER, TELEPHONE, FUEL, ELECTRIC, WATER LINES, OR ANY OTHER SUBSURFACE INSTALLATIONS THAT REASONABLY MAY BE EXPECTED TO BE ENCOUNTERED DURING EXCAVATION WORK, SHALL BE DETERMINED BY THE EXCAVATOR PRIOR TO OPENING AN EXCAVATION."
- 14. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE IN THE FIELD THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 227-2600.
- 15. IT SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF HIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW OR MODIFIED STRUCTURES, UTILITIES AND SERVICES WITHIN THE PROJECT LIMITS.
- 16. THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, CONTROL POINTS, REFERENCE POINTS AND ALL SURVEY MONUMENTS, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERROR CAUSED BY HIS UNNECESSARY LOSS OR DISTURBANCE. THE CONTRACTOR SHALL CONSULT WITH A LICENSED LAND SURVEYOR OR CIVIL ENGINEER LICENSED TO PRACTICE LAND SURVEYING IN CALIFORNIA PRIOR TO BEGINNING CONSTRUCTION TO ENSURE THAT ANY PRECONSTRUCTION CORNER RECORDS, AS REQUIRED BY THE STATE OF CALIFORNIA PROFESSIONAL LAND SURVEYOR ACT HAVE BEEN FILED WITH THE COUNTY SURVEYOR, PURSUANT TO SECTION 8771(a-f) OF THE CALIFORNIA BUSINESS AND PROFESSION CODE.
- 17. ALL WORK IN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE ENGINEER.
- 18. PRIOR TO PLACEMENT OF ANY FINISH ASPHALT CONCRETE OR CONCRETE, THE CONTRACTOR SHALL VERIFY ALL FINISH GRADES AND SLOPES FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND OBTAIN APPROVAL AND ACCEPTANCE BY THE ENGINEER.
- 19. THE CONTRACTOR SHALL LAYOUT IMPROVEMENTS FROM THE DIMENSIONS SHOWN ON THE PLANS. ANY CLARIFICATION OR CONFLICTS, DISCREPANCIES OR AMBIGUITIES SHALL BE DIRECTED TO THE ENGINEER PRIOR TO THE CONSTRUCTION OF THE IMPROVEMENTS.
- 20. DUST CONTROL SHALL BE PERFORMED AT ALL TIMES, AT THE CONTRACTORS' EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10-5 OF CALTRANS STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY OF STOCKTON.



- 21. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING WATER, SEWER, AND DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW IMPROVEMENTS ARE IN PLACE AND FUNCTIONING, EXCEPT WHERE OTHERWISE APPROVED.
- 22. INGRESS AND EGRESS BY PROPERTY OWNERS, BUSINESSES, AND OTHERS SHALL BE PROVIDED AT ALL TIMES DURING THE COURSE OF CONSTRUCTION UNLESS OTHERWISE APPROVED OR SPECIFIED.
- 23. SIDEWALK REMOVAL SHALL BE TO THE NEAREST SCORE MARK OR AS DETERMINED BY THE ENGINEER. CONTRACTOR SHALL NEATLY SAW-CUT CONCRETE WHERE PULL BOXES ARE TO BE PLACED AND SHALL RESTORE THE SLAB TO MATCH THE EXISTING CONDITION.
- 24. ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD. IT IS IMPERATIVE THAT "U.S.A. LOCATING SERVICES" LOCATE AND MARK EXISTING UTILITIES PRIOR TO THE START OF EXCAVATION.
- 25. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.
- 26. ANY DAMAGE TO EXISTING UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 27. LIMITED SURVEY DATA, SHOULD GRADES NOT MATCH PLANS SHOWN, DESIGN INTENT TO BE FOLLOWED AND ENGINEER TO BE ALERTED.

STRIPING AND SIGNAGE NOTES:

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1. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.

2. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND/OR DETOUR PLAN FOR APPROVAL BY THE CITY OF STOCKTON TRAFFIC ENGINEER PRIOR TO THE START OF CONSTRUCTION.

3. ALL PAVEMENT MARKINGS, STRIPING AND CROSSWALKS SHALL BE THERMOPLASTIC.

 REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY GRINDING PER CALTRANS STANDARDS SPECIFICATIONS SECTION 84-9.

CONTRACTOR SHALL INSTALL A BLUE REFLECTOR ON FIRE HYDRANT SIDE AT ALL FIRE HYDRANT LOCATIONS PER CA-MUTCD, SECTION 3B.11 AND FIGURE 3B-102.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF THREE (3) WORKING DAYS IN ADVANCE OF THE LAYOUT AND CAT-TRACKING OF THE PROPOSED IMPROVEMENTS. CAT-TRACKING TO BE APPROVED BY TRAFFIC ENGINEERING PRIOR TO FINAL ACCEPTANCE OF STRIPING AND PAVEMENT MARKINGS.

THE CONTRACTOR SHALL ENSURE THAT THE APPROPRIATE STRIPING AND PAVEMENT MARKINGS ARE IN PLACE AT ALL TIMES. TEMPORARY STRIPING AND/OR PAVEMENT MARKINGS SHALL BE INSTALLED TO REPLACE ANY EXISTING STRIPING OR MARKINGS WHICH HAVE BEEN REMOVED. ANY CONFLICTING STRIPING SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR PRIOR TO REOPENING THE STREET TO TRAFFIC.

THE CONTRACTOR SHALL REMOVE ANY EXISTING SIGNS IN CONFLICT WITH THESE PLANS AS DIRECTED BY THE CITY TRAFFIC ENGINEER. EXISTING STRIPING AND MARKINGS IN CONFLICT WITH THESE PLANS SHALL BE REMOVED BY THE CONTRACTOR. PAVEMENT SHALL BE REPAIRED IF DAMAGED IN CONJUNCTION WITH REMOVAL OF MARKERS.

9. ALL DIMENSIONS SHOWN ARE FROM FACE OF CURB, UNLESS OTHERWISE NOTED.

10. THE CONTRACTOR SHALL REPLACE ANY PAVEMENT DELINEATION AND TRAFFIC MARKINGS THAT ARE DAMAGED DURING THE COURSE OF WORK AT NO ADDITIONAL COST TO THE CITY.



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Revision	Description	DATE SIGNED	By Approd.	DEPARTMENT OF PUBLIC WORKS
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				DESIGNED BY JR DATE C1.2
				CHECKED BY AKM CITY ENGINEER
				KECUKU DWGS. STOCKTON, CALIFORNIA EU16015-

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (July 2021, Includes July 2021 Supplement)



Call before you dig.

ER OF REQUIRED SPACES
0
3
6
9
12
18
21
LEAST 12% OF TOTAL ¹

Where there is insufficient electrical supply. 2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	2
26-50	4
51-75	7
76-100	9
101-150	13
151-200	18
201 AND OVER	10% of total ¹

1 Calculation for spaces shall be rounded up to the nearest whole number

5.106.5.3.4 [N] Identification. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE

5.106.5.3.5 [N] Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

Note: Future electric vehicle charging spaces shall count towards the total parking spaces required by the local enforcing agencies

5.106.8 LIGHT POLLUTION REDUCTION. [N]. I Outdoor lighting systems shall be designed and installed to comply with the following: 1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of

the California Administrative Code; and Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8) Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and 4. Allowable BUG ratings not exceeding those shown in Table 5 106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

I. Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code. Emergency lighting. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.

4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8

Alternate materials, designs and methods of construction 5. Luminaires with less than 6,200 initial luminaire lumens.

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING 3					
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	В3	B4	B4
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	В3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
For area lighting 3	N/A	U0	U0	U0	U0
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR
MAXIMUM ALLOWABLE GLARE RATING ₅ (G)					
Luminaire greater than 2 MH from property line	N/A	G1	G2	G3	G4
Luminaire front hemisphere is 1-2 MH from property line	N/A	G0	G1	G1	G2
Luminaire front hemisphere is 0.5-1 MH from property line	N/A	G0	G0	G1	G1
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	G0	G0	G0	G1

1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the Callifornia Administrative Code.

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section

3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaries located in these areas shall meet U-value limits for "all other outdoor lighting" 5.106.8.1 Facing- Backlight

Luminaries within 2MH of a property line shall be oriented so that the nearest property line is behind the fixture, and shall comply with the backlight rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point of that property line. Exception: Corners. If two property lines (or two segments of the same property line) have equidistant point to the luminaire, then the luminaire may be oriented so that the intersection of the two lines (the corner) is directly behind the luminaire. The luminaire shall still use the distance to the nearest points(s) on the property lines to determine the required backlight rating.

5.106.8.2 Facing-Glare. For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2MH of the Iuminaire then the luminaire shall comply with the more stringent glare rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point on the nearest property line within the front hemisphere.

1.See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and 2.Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, California Energy Code ables 130.2-A and 130.2-B. 3. Refer to the California Building Code for requirements for additions and alterations.

			NIA = NOT APPLICABLE SHEET NO. = SHEET NUMBER SHOWING COMPLIANCE ON PL
Y	N/A	SHEET NO.	
		C3.0, C3.1, C4.0, C4.1, C4.2, C4.3	5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:
			 Swales. Water collection and disposal systems. French drains.
			 Water retention gardens. Other water measures which keep surface water away from buildings and aid in groundwater recharge. Exception: Additions and alterations are alterations.
\boxtimes		L2.6	 5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.314.6
			5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade
			Exceptions: The surface parking area covered by solar photovoltaic shade structures, or shade
			structures, with rooting materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculations.
			5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.
			Exceptions: Playfields for organized sport activity are not included in the total area calculation. 5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20
			percent of the hardscape area within 15 years. Exceptions: Walks hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by
			shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.
			DIVISION 5.2 ENERGY EFFICIENCY
			SECTION 5.201 GENERAL 5.201.1 Scope [BSC-CG]. <i>California Energy Code [DSA-SS]</i> . For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.
			DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION SECTION 5.301 GENERAL 5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.
			SECTION 5.302 DEFINITIONS 5.302.1 Definitions. The following terms are defined in Chapter 2 (and are included here for reference)
			EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which are two major influences on the amount of water that needs
			FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, natios and decks
			METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.
			GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been
			contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.
			MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.
			MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.
			POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.
			POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.
			RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.
			SUBMETER. [HCD 1] A secondary device beyond a meter that measures water consumption of an individual rental unit within a multiunit residential structure or mixed-use residential and commercial structure. (See Civic Code Section 1954.202 (g) and Water code Section 517 for additional details.)
			WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).
			SECTION 5.303 INDOOR WATER USE 5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.
			 5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows: For each individual leased, repted or other tenant space within the building projected to consume
			more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
			 Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:
			 a. Makeup water for cooling towers where now through is greater than 500 gpm (30 L/s). b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s). c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).
			5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.
			5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerbeads) shall comply with the following:
			5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water
			Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and
			one run nusm. 5.303.3.2 Urinals. 5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per
			flush. 5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall
			not exceed 0.5 gallons per flush. 5.303.3.3 Showerheads. [BSC-CG] 5.202.2.2.4 Single above above to the barrier to the fluctuation of the second seco
			5.303.3.3.1 Single snowerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.
			5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.
			NOTE: A mand-neid snower snall be considered a snowerhead.



le structures, and hardscape areas covered by 2.2 in Appendix A5, are not included in the total
datory energy efficiency standards in this code,
SERVATION
ter use indoors, outdoors and in wastewater
for reference)
or influences on the amount of water that needs
projected to natural grade, not including exterior
each actuation cycle. The volume or cycle
s unbealty bodily wastes, and does not present s. "Graywater" includes, but is not limited to d laundry tubs, but does not include waste water
nance regulating landscape design, installation Istalled landscapes greater than 2500 square feet parameters.

YES NOT APPLICABLE SHEET NUMBER SHOWING COMPLIANCE ON PLANS

a direct beneficial use or a controlled use that would ater treated to remove waste matter attaining a quality nsumption of an individual rental unit within a multiunit



DATE SIGNED: 11/16/23

DATE SIGNED: 11/16/23						STANDARDS CODE SHEET 1					
	Revision No.	Description	Date	By	Apprvd. By		DEPARTME CITY OF S	ENT OF PUE STOCKTON,	ELIC WORKS CALIFORNIA		
						SCALE	AS SHOWN	APPROVED BY:	11/15/23	SHEET NO.	
						DESIGNED BY	JR		DATE	C1.3	
NG IRE						DRAWN BY	JR	Asis	Himon	OF 48 SHEET	
						CHECKED BY	ÁKM ,	CITY	ENGINEER		
GN						RECORD DWGS.		STOCKTON	I, CALIFORNIA	E016015-A	

NEW SECURED STAFF PARKING LOT

AT NEW CITY HALL

2019 CALIFORNIA GREEN BUILDING

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (July 2021, Includes July 2021 Supplement)

 LDLL frame atterns: LDLL frame atterns:<	Y N/A SHEET N	NO.	Y	N/A SHEET NO).
Control Contro Control Control Control Control Control Control Control Control Co		5.303.3.4 Faucets and fountains. 5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than			SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT 5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.
 Algo definition of the second control of the second c		0.5 gallons per minute at 60 psi. 5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.			 5.407.2 MOISTORE CONTROL. Employ molsture control measures by the following methods. 5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures. 5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:
 Half of a function of a set of a se		 5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi]. 5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle. 			5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:
<text></text>		 5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi]. Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction. 			 An installed awning at least 4 feet in depth. The door is protected by a roof overhang at least 4 feet in depth. The door is recessed at least 4 feet. Other methods which provide equivalent protection.
 Part Resource of Participant Status St		 5.303.3.4.6 Pre-rinse spray value When installed, shall meet the requirements in the <i>California Code of Regulations</i>, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607(d)(7), and 			5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.
Index of the control of the con		shall be equipped with an integral automatic shutoff. FOR REFERENCE ONLY : The following table and code section have been reprinted from the <i>California Code of</i> <i>Regulations</i> , Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section 1605.3 (h)(4)(A).			SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING 5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.
 TAR [F 2 TAR (F 2<				×	5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:
 And Constraints of the second c		TABLE H-2 STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALUES MANUFACTURED ON OR AFTER JANUARY 28, 2019 PRODUCT CLASS Ispray force in sunce force (ozfi)			 Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). Identifies diversion facilities where construction and demolition waste material collected will be taken. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.
 And Control Protect and a protect of the control protec		Product Class 1 (\leq 5.0 ozf)1.00Product Class 2 (> 5.0 ozf and \leq 8.0 ozf)1.20		8	5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.
 SINA CONNERCIAL NUMERIES CONNERCIAL TOPEN RECENT CONNERCIAL TOPEN		Product Class 3 (> 8.0 ozf) 1.28			Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.
Additional and a second an		 5.303.4 COMMERCIAL KITCHEN EQUIPMENT. 5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water. Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation. 			 Exceptions to Sections 5.408.1.1 and 5.408.1.2: 1. Excavated soil and land-clearing debris. 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist. 3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.
Control C		 5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building. 		×	5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.
Note: Section 4.33 a QUITODOR WATER USE Section 4.33 a QUITODOR WATER USE Note: Output the control of the con		5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the <i>California Plumbing Code</i> , and shall meet the applicable standards referenced in Table 1701.1 of the <i>California Plumbing Code</i> and in Chapter 6 of this code.			5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.
- The Model Water Efforer Luncksape Commune (MRELD) is located in the Calibratic Cade of Regulations. This 25, Durger 72, Now 20, 2, MNELD and supporting containers, including a water hudget calculater, are available at https://www.water.cog.org/ 2, MNELD and supporting containers, including a mater hudget calculater, are available at https://www.water.cog.org/ 2, MNELD and supporting containers, including a mater hudget calculater, are available at https://www.water.cog.org/ 2, MNELD and supporting containers, including a mater hudget calculater, are available at https://www.water.cog.org/ 2, MNELD and supporting containers, including at hudget calculater, are available at https://www.water.cog.org/ 2, MNELD and supporting containers, including at hudget calculater, are available at https://www.water.cog.org/ 2, MNELD and supporting containers that are toolding providence at hudget calculater, are available at https://www.water.cog.org/ 2, MNELD and supporting containers that are toolding providence at hudget calculater, and an additional water advances for guardets. And statistical interactions are advanced at hudget calculater and an additional water advances for guardets. And statistical interactions are advanced at hudget calculater and an additional water advances for guardets. And statistical interactions are advanced at hudget calculater and advanced at hudget calculater and advances are advanced at hudget calculater and advances and advances are advanced at hudget calculater and advances are advanced at hudget calculater and advances and advances are advanced at hudget calculater and advances are advanced at hudget calculater and advances and advances are advanced at hudget calculater andvance advances and advances are advanced at hudget calculater and	X 🗆 L1.0, L1	SECTION 5.304 OUTDOOR WATER USE 5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. Notes:			 Notes: Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List- Folder/CALGreen may be used to assist in documenting compliance with the waste management plan. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).
White Efficient Lookscape Optimizing (Wiles, C) commenting with Section 400 of Chapter 22, Diskos 21, Title 23, Caliform and Populations Construction that the experiment state (TEAF) sells to Bos with an additional water advances for appeals inclusions and associated sequelation and section and of Construction projects with an aggregate landscape are equal to or greater than 1200 square feet or lass may comply with the presording the metang and a bos section of of 60e, or vegetation or of 60e, or vegetation or of 60e, or vegetation or solid contaminated by decase or pest infestation. S334.6.1 Revel construction projects with an aggregate landscape are equal to or greater than 1200 square feet. Exception: Any pest infestation is suspected, contact the Courty Agricultural Courts Agricultur	X L1.0, L1	1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2. 2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/. 5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Mode		×	5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.
Exception: Any project with an aggregate landscape area of 2,500 square fact or less may comply with the prescriptive solits resulting primarily from land clearing shall be resulted or recycled. For a phased project, such material may be stockpled on site resulting primarily from land clearing shall be resulted or recycled. For a phased project, such material may be stockpled on site resulting primarily from land clearing shall be resulted or recycled. For a phased project, such material may be stockpled on site resulting primarily from land clearing shall be resulted or recycled. For a phased project, such material may be stockpled on site resulting primarily from land clearing shall be resulted or recycled. For a phased project, such material may be stockpled on site resulting primarily from land clearing shall be resulted or recycled. For a phased project, such material may be stockpled on site resulting primarily from land clearing shall be resulted or recycled. For a phased project, such material may be stockpled on site resulting primarily from land clearing shall be resulted or recycled. For a phased project, such material may be stockpled on site resulting primarily from land clearing shall be resulted or recycled. For a phased project, such material may be stockpled on site resulting primarily from land clearing shall be resulted or recycled. For a phased project, such material and such the clearing shall be resulted or recycled. For a phased project, such material clearing shall be resulted or recycled. For a phased project, such material clearing shall be resulted primarily for a phased project, such material shall be resulted primarily for a phase or phase		Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.		C2.0	Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/universalwaste/ 5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated vegetation ar
 In containing of the state of the s		 Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO. 5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or 			soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpilled on site until the storage site is developed. Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.
Constraints of the constrai		greater than 500 square teet. 5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.			 Notes: If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)
 SECTION 5.401 GENERAL SAULI SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through projecticul of buildings from exterior moisture, construction waste diversion, employment of letchniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting. SECTION 5.402 DEFINITIONS SAU21 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference) ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce pained, design quantities. BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including vertice moisture, project requirements. ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with lood waste. TEST. A procedure to determine quantitative performance of a system or equipment. 		DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY		8	 SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS 5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.
SECTION 5.402 DEFINITIONS SA02.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference) ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper. BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities. BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements. ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste. TEST. A procedure to determine quantitative performance of a system or equipment.		SECTION 5.401 GENERAL 5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.	I		Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section. 5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.
ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper. Intel Public Resources Code. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act). BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities. Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site. BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements. Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site. TEST. A procedure to determine quantitative performance of a system or equipment TEST. A procedure to determine quantitative performance of a system or equipment		SECTION 5.402 DEFINITIONS 5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference)			Exception : Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area. 5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of
verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements. ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste. TEST. A procedure to determine quantitative performance of a system or equipment		ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper. BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities	i.		(Act). Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.
is mixed in with food waste. TEST. A procedure to determine quantitative performance of a system or equipment		verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements. ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that			
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Call before you dig.

AGEMENT

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements Commissioning requirements shall include: 1. Owner's or Owner representative's project requirements. Basis of design. 3. Commissioning measures shown in the construction documents. 4. Commissioning plan. 5. Functional performance testing. 6. Documentation and training 7. Commissioning report. Exceptions: . Unconditioned warehouses of any size. 2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses 3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1. 4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over,

100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

building commissioning shall be included in the design and construction processes of the building project to verify that the building

systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies

that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section

Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning. Informational Notes

1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional performance tests or to adjust and balance systems.

2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the California Energy Code.

5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following 1. Environmental and sustainability goals.

- . Building sustainable goals Indoor environmental quality requirements
- Project program, including facility functions and hours of operation, and need for after hours operation. Equipment and systems expectations. 6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

Renewable energy systems. Landscape irrigation systems.

shall be included

3. Water reuse system.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following: . General project information.

- ommissioning goals. Systems to be commissioned. Plans to test systems and components shall include: a. An explanation of the original design intent.
- b. Equipment and systems to be tested, including the extent of tests.
- Functions to be tested. d. Conditions under which the test shall be performed.
- e. Measurable criteria for acceptable performance. Commissioning team information . Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in California Code of Regulations (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:

1. Site information, including facility description, history and current requirements. Site contact information.

- 3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
- Major systems.
- 5. Site equipment inventory and maintenance notes. 6. A copy of verifications required by the enforcing agency or this code.
- 7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall

include the followina: 1. System/equipment overview (what it is, what it does and with what other systems and/or

- equipment it interfaces). 2. Review and demonstration of servicing/preventive maintenance.
- 3. Review of the information in the Systems Manual. 4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 (Reserved)

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as \Box water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific systems.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

1 Renewable energy systems. Landscape irrigation systems

Water reuse systems.

- 5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.
- 5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or
- as approved by the enforcing agency. ECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.

operating and maintenance instructions and copies of quaranties/warranties for consistent with OSHA requirements in CCR, Title 8, Section 5142, and other rel 5.410.4.5.1 Inspections and reports. Include a copy of all inspection enforcing agency. DIVISION 5.5 ENVIRONMENTAL QUALITY SECTION 5.501 GENERAL

5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the odorous, irritating, and/or harmful to the comfort and well-being of a building's installe

SECTION 5.502 DEFINITIONS **5.502.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference)

Y N/A SHEET NO.

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route. A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32⁰ Fahrenheit.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I-joists or finger-jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120 1(a). Note: See CCR, Title 17, Section 93120.1.

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour

DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, sound power, sound intensity) with respect to a reference quantity.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans. neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the California Electrical Code, off-road, self-propoelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the

like, are not included. ELECTRIC VEHICLE CHARGING STATION(S) (EVCSj). One or more spaces intended for charging electric vehicles. ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment

grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle. ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as the fluctuating noise level integrated over the time of period of interest.

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections. FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one.

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14

RANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec 82.3 (as amended March 10, 2009)

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter.

LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999. MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g \dot{O}^3 /g ROC).

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging). **PSIG.** Pounds per square inch, guage.

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

SCHRADER ACCESS VALVES. Access fittings with a valve core installed. SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a

radius 1.0 times the pipe diamete SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units.

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a) Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question

SECTION 5.503 FIREPLACES **5.503.1 FIREPLACES.** Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

(NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission

SECTION 5.504 POLLUTANT CONTROL

condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction. 5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough

installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.



	Y N/A SHEET NO.	= = =	YES NOT APPLICABLE SHEET NUMBER SHOWING COMPLIANCE ON PLANS
5.410.4.4 Reporting. After completion of testing, adjusting and individual responsible for performing these services.	balancing, provide	a fina	nal report of testing signed by the
5.410.4.5 Operation and maintenance (O & M) manual. Proviouperating and maintenance instructions and copies of guaranties consistent with OSHA requirements in CCR, Title 8, Section 514	de the building own s/warranties for ead 2, and other relate	ner or ch sys d reg	or representative with detailed ystem. O & M instructions shall be egulations.
5.410.4.5.1 Inspections and reports. Include a copy of enforcing agency.	of all inspection ver	ificatio	tions and reports required by the
ISION 5.5 ENVIRONMENTAL QUALIT	Y		
CTION 5.501 GENERAL 1.1 SCOPE. The provisions of this chapter shall outline means of ous, irritating, and/or harmful to the comfort and well-being of a bu	reducing the quar uilding's installers,	itity of occup	of air contaminants that are upants and neighbors.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density

period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards

5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if necessary to



DATE SIGNED: 11/16/23

	Revision No.	Description	Date	Ву	Apprvd. By		DEPARTME CITY OF S	ENT OF PUE STOCKTON, (ELIC WORKS CALIFORNIA	
						SCALE	AS SHOWN	APPROVED BY:	11/15/23	SHEET NO.
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NEW SECURED STAFF PARKING LOT

AT NEW CITY HALL

2019 CALIFORNIA GREEN BUILDING

STANDARDS CODE SHEET 2

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (July 2021, Includes July 2021 Supplement)

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6. 5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

Y N/A SHEET NO.

below.

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2,

N/A SHEET NO

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT _{1.2}							
Less Water and Less Exempt Compounds in Grams per Liter							
ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT						
INDOOR CARPET ADHESIVES	50						
CARPET PAD ADHESIVES	50						
OUTDOOR CARPET ADHESIVES	150						
WOOD FLOORING ADHESIVES	100						
RUBBER FLOOR ADHESIVES	60						
SUBFLOOR ADHESIVES	50						
CERAMIC TILE ADHESIVES	65						
VCT & ASPHALT TILE ADHESIVES	50						
DRYWALL & PANEL ADHESIVES	50						
COVE BASE ADHESIVES	50						
MULTIPURPOSE CONSTRUCTION ADHESIVES	70						
STRUCTURAL GLAZING ADHESIVES	100						
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250						
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50						
SPECIALTY APPLICATIONS							
PVC WELDING	510						
CPVC WELDING	490						
ABS WELDING	325						
PLASTIC CEMENT WELDING	250						
ADHESIVE PRIMER FOR PLASTIC	550						
CONTACT ADHESIVE	80						
SPECIAL PURPOSE CONTACT ADHESIVE	250						
STRUCTURAL WOOD MEMBER ADHESIVE	140						
TOP & TRIM ADHESIVE	250						
SUBSTRATE SPECIFIC APPLICATIONS							
METAL TO METAL	30						
PLASTIC FOAMS	50						
POROUS MATERIAL (EXCEPT WOOD)	50						
WOOD	30						
FIBERGLASS	80						

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT	
Less Water and Less Exempt Compounds in Grams per Liter	ſ
SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

> 5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.



2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following: 1. Manufacturer's product specification 2. Field verification of on-site product containers

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet the requirements of the California Department of Public Health,

Environmental Chambers." Version 1.2, January 2017 (Emission testing method for California Specifications 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

> 5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,"Version 1.2, January 2017 (Emission testing method for California Specifications 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5,504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:





ΓUF	RAL COATINGS2,3	
	CURRENT VOC LIMIT	
	50	
	100	
	150	
	400	
	400	
	400	
	350	
	350	
	350	
	100	
	50	
	150	
	350	
	350	
	100	
	250	
	500	
	420	
	250	
	120	
	450	
	100	
	500	
	250	
	420	
	100	
	350	
	250	
	50	
	250	
	730	
	550	
	100	
	250	
	450	
	340	
	100	
	420	
	250	
	275	
	350	
	340	

"Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using

Chain of custody certifications. Product labeled and invoiced as meeting the Composite Wood Products regulation (see

⊐|⊠|

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE FULL CODE.

ET NO.			Y N	N/A SI	SHEET NO.
	TABLE 5.504.4.5 - FORMALDEHYDE LIMITS				5.508.2.1 Refrigerant piping. Piping compliant with the California Mech leak protection and repairs. Piping runs using threaded pipe, copper tubi
	MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION				inch, flared tubing connections and short radius elbows shall not be used
	PRODUCT	CURRENT LIMIT			5.508.2.1.1 Threaded pipe. Threaded connections are permitted
		0.05			5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 charge of 5 pounds or less.
	PARTICLE BOARD	0.09			5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall keep vibration levels below 8 mils.
	MEDIUM DENSITY FIBERBOARD	0.11			5.508.2.1.3 Flared tubing connections. Double-flared tubing co
					controls, valve pilot lines and oil.
	 VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORM MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTME 1333. CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12 	IA AIR RESOURCES BOARD, AIR TOXICS CONTROL FOR ADDITIONAL INFORMATION, SEE 2.			industrial sealant suitable for use with refrigerants and tigh recommendations.
	2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHE	S (8 MM).			5.508.2.1.4 Elbows. Short radius elbows are only permitted wher elbows.
	5.504.4.6 Resilient flooring systems. Where resilient flooring is insta resilient flooring shall meet the requirements of the California Department	alled, at least 80 percent of floor area receiving ent of Public Health,"Standard Method for the			5.508.2.2 Valves. Valves Valves and fittings shall comply with the Califo
	Testing and Evaluation of Volatile Organic Chemical Emissions from In Version 1.2, January 2017 (Emission testing method for California Spe	ndoor Sources Using Environmental Chambers," cifications 01350)			5.508.2.2.1 Pressure relief valves. For vessels containing high- between the outlet of the vessel and the inlet of the pressure relie
	See California Department of Public Health's website for certification pr https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Page	rograms and testing labs. s/VOC.aspx#material			5.508.2.2.1.1 Pressure detection. A pressure gauge, pre- in the space between the rupture disc and the relief valve
	5.504.4.6.1 Verification of compliance. Documentation shall materials meet the pollutant emission limits.	be provided verifying that resilient flooring			5 508 2 2 2 Access valves. Only Schrader access valves with a
	5.504.5.3 Filters. In mechanically ventilated buildings, provide regular	ly occupied areas of the building with air filtration			5.508.2.2.2.1 Valve caps. For systems with a refrigerant of
	media for outside and return air that provides at least a Minimum Efficie filters shall be installed prior to occupancy, and recommendations for n be included in the operation and maintenance manual.	ency Reporting Value (MERV) of 13. MERV 13 naintenance with filters of the same value shall			brass or steel and not plastic. 5.508.2.2.2 Seal caps. If designed for it, the cap shall ha
	Exceptions: Existing mechanical equipment.				5.508.2.2.2.1 Chain tethers. Chain tethers to fit of have seal caps
	5.504.5.3.1 Labeling. Installed filters shall be clearly labeled b	y the manufacturer indicating the MERV rating.			Exception : Valves with seal caps that are n
5	504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where ou	utdoor areas are provided for smoking, prohibit			5.508.2.3 Refrigerated service cases. Refrigerated service cases holdi
s b C	noking within 25 feet of building entries, outdoor air intakes and operable win y other laws or regulations; or as enforced by ordinances, regulations or polic ommunity College, campus of the California State University, or campus of th interact. When are accessed and the state of the st	dows and within the building as already prohibited ies of any city, county, city and county, California e University of California, whichever are more to increase building accurate of the archibilitian			have evaporator coils of corrosion-resistant material, such as stainless s substances.
S	ringent, when ordinances, regulations or policies are not in place, post signa	ge to morn building occupants of the prohibitions.			energy efficiency.
					5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities g device tha indicates the level of refrigerant in the receiver.
					5.508.2.5 Pressure testing. The system shall be pressure tested during
\$	ECTION 5.505 INDOOR MOISTURE CONTROL				5.508.2.5.1 Minimum pressure. The system shall be charged wi gas to bring system pressure up to 300 psig minimum
5 2	505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the 4, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For ad add.	provisions of California Building Code, CCR, Title ditional measures, see Section 5.407.2 of this			5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks,
ç					5.508.2.5.3 Allowable pressure change. The system shall stand
5	506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated sp auriements of Section 120.1 (Requirements For Ventilation) of the California	paces in buildings, meet the minimum Energy Code, or the applicable local code.			one pound pressure change from 300 psig, measured with the sa
V	hichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.				5.508.2.6.1 First vacuum. Pull a system vacuum down to at leas
5	506.2 CARBON DIOXIDE (CO2) MONITORING. For buildings or additions of ensors and ventilation controls shall be specified and installed in accordance	equipped with demand control ventilation, CO2 with the requirements of the California Energy			minutes.
(c					5.508.2.6.2 Second vacuum. Pull a second system vacuum to a
5 d ir	507.4 ACOUSTICAL CONTROL. Employ building assemblies and compone stermined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indo accordance with ASTM E 1332, using either the prescriptive or performance	ents with Sound Transmission Class (STC) values or Sound Transmission Class (OITC) determined method in Section 5.507.4.1 or 5.507.4.2.			maximum drift of 100 microns over a 24-hour period.
	Exception: Buildings with few or no occupants or where occupants noise, as determined by the enforcement authority, such as factories structures and utility buildings.	are not likely to be affected by exterior s, stadiums, storage, enclosed parking			CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFIC
	Exception: [DSA-SS] For public schools and community colleges,	the requirements of this section and all			702 QUALIFICATIONS
	 5.507.4.1 Exterior noise transmission, prescriptive method. Wa the noise source making up the building or addition envelope or alter 	all and roof-ceiling assemblies exposed to red envelope shall meet a composite STC		×	//U2.1 INS IALLER IRAINING. HVAC system installers shall be trained systems including ducts and equipment by a nationally or regionally recognized persons may perform HVAC installations when under the direct supervision and install HVAC systems or contractor licensed to install HVAC systems. Example
	rating of at least 50 or a composite OHC rating of no less than 40, w OHC of 30 in the following locations:	vith exterior windows of a minimum STC of 40 or			programs include but are not limited to the following:
	1. Within the 65 CNEL noise contour of an airport.				 State certified apprenticeship programs. Public utility training programs. Training programs programs due trade, labor or statewide operational statewide operations.
	Exceptions: 1. Ldn or CNEL for military airports shall be determined I	by the facility Air Installation Compatible			 Programs sponsored by manufacturing organizations. Other programs acceptable to the enforcing agency.
	Land Use Zone (AICUZ) plan. 2. Ldn or CNEL for other airports and heliports for which aball be determined by the local general plan period of	a land use plan has not been developed		×	702.2 SPECIAL INSPECTION [HCD]. When required by the enforcin
	2 Within the 65 CNEL or L dn noise contour of a freeway or ext	ement. pressway railroad industrial source or			acting as the owner's agent shall employ one or more special inspectors to pro- substantiate compliance with this code. Special inspectors shall demonstrate c
	fixed-guideway source as determined by the Noise Element of the	ne General Plan.			to the enforcing agency, the following certifications or education may be consider the gualifications of a special inspector:
	5.507.4.1.1. Noise exposure where noise contours are not re of 65 dB L_{eq} - 1-hr during any hour of operation shall have buildin roof-ceiling assemblies exposed to the noise source meeting a c with exterior windows of a minimum STC of 40 (or OITC 30).	adily available. Buildings exposed to a noise level ng, addition or alteration exterior wall and composite STC rating of at least 45 (or OITC 35),			 Certification by a national or regional green building program or stand Certification by a statewide energy consulting or verification organize contractors, and home energy cutifiers
	5.507.4.2 Performance Method. For buildings located as defined in S roof-ceiling assemblies exposed to the noise source making up the build	Section 5.507.4.1 or 5.507.4.1.1, wall and ding or addition envelope or altered envelope shall			 Successful completion of a third party apprentice training program in Other programs acceptable to the enforcing agency.
	be constructed to provide an interior noise environment attributable to e equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during an	exterior sources that does not exceed an hourly y hour of operation.			Notes: 1. Special inspectors shall be independent entities with no finance
	5.507.4.2.1 Site Features. Exterior features such as sound wa appropriate to the building, addition or alteration project to mitiga	Ils or earth berms may be utilized as ate sound migration to the interior.			are inspecting for compliance with this code. 2. HERS raters are special inspectors certified by the California California according to the Home Energy Rating System (HERS)
	5.507.4.2.2 Documentation of Compliance. An acoustical and	alysis documenting complying interior			[BSC-CG] When required by the enforcing agency, the owner or the responsib
	5 507 4 3 Interior sound transmission Wall and floor-ceiling assembly	chiles separating tenant spaces and tenant			one or more special inspectors to provide inspection or other duties necessary Special inspectors shall demonstrate competence to the satisfaction of the enfo stability of the professional demonstrate competence to the satisfaction of the enfo
	spaces and public places shall have an STC of at least 40.				international association, as determined by the local agency. The area of certificat function as determined by the local agency.
	Note: Examples of assemblies and their various STC ratings may be for Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pd	ound at the California Office of If.			Note: Special inspectors shall be independent entities with no financial
\$	ECTION 5.508 OUTDOOR AIR QUALITY 508.1 Ozone depletion and greenhouse gas reductions. Installations of H aujument shall comply with Sections 5.508.1.1 and 5.508.1.2.	HVAC, refrigeration and fire suppression			inspecting for compliance with this code. 703 VERIFICATIONS
	5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration an	d fire suppression equipment that do not contain		×	703.1 DOCUMENTATION. Documentation used to show compliance with this code s documents, plans, specifications, builder or installer certification, inspection reports. or
	CFCs. 5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equi	pment that do not contain Halons.			which demonstrate substantial conformance. When specific documentation or special method of compliance will be specified in the appropriate section or identified applicab
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	508.2 Supermarket refrigerant leak reduction. New commercial refrigerati ection when installed in retail food stores 8,000 square feet or more condition ases, or walk-in coolers or freezers connected to remote compressor units or oply to refrigeration systems containing high-global-warming potential (high-G ew refrigeration systems include both new facilities and the replacement of e	on systems shall comply with the provisions of this ed area, and that utilize either refrigerated display condensing units. The leak reduction measures SWP) refrigerants with a GWP of 150 or greater. xisting refrigeration systems in existing facilities.			
E 1 d	xception: Refrigeration systems containing low-global warming potential (low 50 are not subject to this section. Low-GWP refrigerants are nonozone-deplet ioxide (CO ₂), and potentially other refrigerants.	v-GWP) refrigerants with a GWP value less than ting refrigerants that include ammonia, carbon			
	-				



SCAPE ARCHITECTURE SURVEYING NING ETIC FACILITY DESIGN						CHECKED BY RECORD DWCS.	JK AKM	CITY STOCKTO	ENCINEER N, CALIFORNIA	E016015-1
ERIED ENGINEERING CTURAL ENGINEERING	No.	Description	Date	By	By	SCALE DESIGNED BY	CITY OF AS SHOWN JR	APPROVED BY:	CALIFORNIA	<i>SHEET NO.</i> C1.5
	Renision	.	DATE SIGNED	: <u>11/'</u>	6/23	2019		RDS COD	E SHEET	3
			No. 7 Exp. 12 ST TIE OF C	6826 /31/24 /IL CALIFO		2010	EW SECURI AT	ED STAFF I NEW CITY	PARKING L HALL	
			SED PROFE	SSION						
ow compliance with this code sha tification, inspection reports, or ot ecific documentation or special ins e section or identified applicable of	II include but is not limit her methods acceptable spection is necessary to checklist.	ed to, construction a to the enforcing agency verify compliance, that								
ent entities with no financial inte	erest in the materials o	or the project they are								
, the owner or the responsible of n or other duties necessary to so o the satisfaction of the enforci pector shall have a certification I agency. The area of certificat	entity acting as the ow substantiate complian ng agency for the part n from a recognized st tion shall be closely re	ner's agent shall employ ce with this code. ticular type of inspection ate, national or lated to the primary job								
endent entities with no financial s code. rs certified by the California En rgy Rating System (HERS).	l interest in the materia ergy Commission (CE	als or the project they EC) to rate homes in								
en building program or standar ulting or verification organizatio prentice training program in the ing agency.	rd publisher. n, such as HERS rate e appropriate trade.	ers, building performance								
hen required by the enforcing a re special inspectors to provide pectors shall demonstrate com o be performed. In addition to or education may be considere	agency, the owner or t e inspection or other d opetence to the satisfa other certifications or ed by the enforcing ag	the responsible entity luties necessary to action of the enforcing qualifications acceptable ency when evaluating								
abor or statewide energy consu organizations, ing agency.	ulting or verification or	ganizations.								
tem installers shall be trained a ally or regionally recognized tra er the direct supervision and re all HVAC systems. Examples c g:	nd certified in the prop aining or certification p sponsibility of a perso of acceptable HVAC tr	per installation of HVAC program. Uncertified on trained and certified to aining and certification								
CTOR QUALIFICA	TIONS									
second system vacuum to a mi rd vacuum down to a minimum 24-hour period.	nimum of 500 microns of 300 microns, and h	s and hold for 30 minutes. hold for 24 hours with a								
nge. The system shall stand, u) psig, measured with the same evacuated after pressure testin tem vacuum down to at least 10	inaltered, for 24 hours e gauge. ng and prior to chargin 000 microns (+/- 50 m	s with no more than a +/- g. nicrons), and hold for 30								
all be pressure tested during in: system shall be charged with i 00 psig minimum. i for leaks, repair any leaks, an	stallation prior to evac regulated dry nitrogen d retest for pressure u	uation and charging. and appropriate tracer using the same gauge.								
t receivers with capacities great the receiver.	ater than 200 pounds s	shall be fitted with a								
ion shall be given to the heat tr	ansfer efficiency of co	il coating to maximize								
ves with seal caps that are not r igerated service cases holding material, such as stainless stee	removed from the valv food products contair al; or be coated to prev	ve during stem operation. ning vinegar and salt shall vent corrosion from these								
signed for it, the cap shall have tethers. Chain tethers to fit ovr	e a neoprene O-ring in the stem are required	place. I for valves designed to								
nrader access valves with a bra	ass or steel body are p rge of 5 pounds or mo	permitted for use. Dre, valve caps shall be								
tion. A pressure gauge, pressure disc and the relief valve inle	ure transducer or othe et to indicate a disc ru	r device shall be installed pture or discharge of the								
shall comply with the <i>Californi</i> . For vessels containing high-GW	a Mechanical Code ar /P refrigerant, a ruptur	nd as follows. re disc shall be installed								

ant with the California Mechanical Code shall be installed to be accessible for ng threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 dius elbows shall not be used in refrigerant systems except as noted below.

YES NOT APPLICABLE SHEET NUMBER SHOWING COMPLIANCE ON PLANS

ed connections are permitted at the compressor rack. tubing with an OD less than 1/4 inch may be used in systems with a refrigerant

ne-fouth-inch OD tubing shall be securely clamped to a rigid base to

ions. Double-flared tubing connections may be used for pressure

ing connections may be used with a multiring seal coated with use with refrigerants and tightened in accordance with manufacturer's

bows are only permitted where space limitations prohibit use of long radius



λN						CHECKED BY RECORD DW(r AKM ; RS.	CITY STOCKTO	ENGINEER N. CALIFORNIA	E016015-A	
IG RE						DRAWN BY	JR	Aria	Huan	OF 48 SHEET	
				-		SCALE DESIGNED B	AS SHOWN Y JR	APPROVED BY:	<u> </u>	<u>SHEET NO.</u> C2.0	
	Revisio No.	on Description	Date	By	Apprvd. By		DEPARTME CITY OF S	ENT OF PUI STOCKTON,	BLIC WORKS CALIFORNIA		
		SCALE: 1"=30'	DATE SIGNED	: 11/	16/23		DEMC		N PLAN	-	
0	' 15	5' 30' 60'	No. 7 ★ Exp. 12, No. 7 CN	6826 /31/24 /IL	MAR MAR MAR MAR MAR MAR MAR MAR		NEW SECURE At 1	ED STAFF NEW CITY	PARKING LO HALL) †	
			QUD PROFE	MERA	A LEIGHT						
						<u>\</u> 41	REMOVE AND DISP TRIHYDRO	OSE OF EXISTIN	G VAULT BY		
						40	REMOVE AND DISP MONITORING WELL	OSE OF EXISTIN . BY TRIHYDRO	G		
						(39)	REMOVE AND DISP DIKE TO ACCOMMC FOR COMMUNICAT	OSE OF EXISTIN DATE PROPOSE ION LINE(S)	G ASPHALT ED TRENCH		
<	19 1	PROTECT IN PLACE EXISTING	WATER LINE			38	ADJUST EXISTING S	STORM DRAIN M	ANHOLE TO GRADE		
<	18	ABANDON EXISTING STORM D WITH SAND AND CAP ENDS OF	Rain Line in Pl Pipe.	ACE. F	ILL	37	REMOVE AND DISPOSE OF EXISTING 1" WATER METER. CONTRACTOR TO CAP END OF WATER LINE.				
<	17 1	REMOVE AND RELOCATE EXIS	TING STORM DF	RAIN		36	PROTECT IN PLACE EXISTING SPEED LIMIT SIGN, RTD BUS STOP SIGN, AND SIGN POST				
<	16	PROTECT IN PLACE EXISTING	SANITARY SEWI	ER LINI	E	35	PROTECT IN PLACE EXISTING SPEED LIMIT SIGN, RTD BUS STOP SIGN, AND SIGN POST				
<	15	ADJUST EXISTING SANITARY S	SEWER MANHOL	E TO G	RADE	34	PROTECT IN PLACE	EXISTING RTD	BUS STOP BENCH		
<	14	REMOVE AND REPLACE EXIST TRAFFIC RATED FLUSH-MOUN C4.1 & C4.2	ING UTILITY VAU T WELL BOX PE	JLT WI R SHEI	TH ET	33	REMOVE EXISTING LIGHT POLE	2 HOUR PARKIN	G SIGNS FROM EXIS	TING STREET	

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(21**)**

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(25)

(26**)**

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(31)

PROTECT IN PLACE EXISTING GAS LINE

22 PROTECT IN PLACE EXISTING BOLLARD

IMPROVEMENTS

CONTRACTOR TO COORE UTILITY BOX TO GRADE

SECTION OF BID ALT

REMOVE STRIPING BY GRINDING

PROTECT IN PLACE EXISTING TREE

PROTECT IN PLACE EXISTING MONITORING WELL

CLEAR AND GRUB EXISTING LANDSCAPED AND UNDEVELOPED AREAS. REMOVAL DEPTH SHALL ACCOMMODATE PROPOSED

REMOVE AND DISPOSE OF EXISTING GRAVEL, REMOVAL DEPTH

SHALL ACCOMMODATE DEPTH OF PROPOSED IMPROVEMENTS

REMOVE AND RELOCATE EXISTING FREEWAY AHEAD SIGN

CONTRACTOR TO COORDINATE ADJUSTMENT OF EXISTING

CUT AND CAP EXISTING SOIL VAPOR EXTRACTION WELL HEADS

PROTECT IN PLACE EXISTING CONCRETE. IF BID ALT IS TO PROCEED,

PROTECT IN PLACE EXISTING BUILDING STRUCTURE. IF BID ALT IS TO

PROCEED, A SEPARATE DEMOLITION PERMIT WILL BE REQUIRED FOR REMOVAL OF EXISTING BUILDING AND ASSOCIATED STRUCTURES

5543C.6

A SEPARATE DEMOLITION PERMIT WILL BE REQUIRED FOR REMOVAL

REMOVE AND DISPOSE OF EXISTING STORM DRAIN PIPE

(STUB-UPS) BELOW BOTTOM OF PROPOSED AGGREGATE

OF EXISTING CONCRETE AND ASSOCIATED STRUCTURES

	NOTEO	
KEY	NOTES:	

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 $\langle 7 \rangle$

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 $\langle 11 \rangle$

 $\langle 12 \rangle$

 $\langle 13 \rangle$

STRUCTURES

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 (1)
 SAWCUT A NEAT, CLEAN LINE TO FULL DEPTH

4 REMOVE AND DISPOSE OF EXISTING TREE

SHEET C4.1 & C4.2

(2) REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER

3 REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE

REMOVE AND DISPOSE OF EXISTING CONCRETE TUBE

CONTRACTOR TO COORDINATE ADJUSTMENT OF EXISTING PG& E UTILITY VAULT TO GRADE PER SHEET C4.1

PROTECT IN PLACE EXISTING CURB. IF BID ALT IS TO PROCEED,

REMOVAL OF EXISTING CURB AND ASSOCIATED STRUCTURES

PROTECT IN PLACE EXISTING CHAIN LINK FENCE. IF BID ALT IS TO

PROCEED, A SEPARATE DEMOLITION PERMIT WILL BE REQUIRED FOR REMOVAL OF EXISTING CHAIN LINK FENCE AND ASSOCIATED

A SEPARATE DEMOLITION PERMIT WILL BE REQUIRED FOR

CONTRACTOR TO COORDINATE ADJUSTMENT OF EXISTING CABLE PEDESTAL TO GRADE PER

REMOVE AND DISPOSE OF EXISTING BOLLARD

ADJUST EXISTING MONITORING WELL TO GRADE WITH FLUSH GRADE TRAFFIC RATED UTILITY BOX PER SHEET C4.1 & C4.2

PROTECT IN PLACE EXISTING CURB AND GUTTER

PROTECT IN PLACE EXISTING IRON FENCE



36 10' TYP								
27								
	I EXISTING							
CURB PER DETAIL	1, SHEET C8.0	36	INSTAI PER C	L THERMO	OPLASTIC TYPE I 10'- STANDARD PLAN A24	0" ARROW A		
AL CURB AND STD. DWG. R-52		37	INSTAI	_L 7' CMU \	WALL PER DETAIL 4, 3	SHEET C8.2		
D COMMERCIAL DR	IVEWAY AND	38	INSTAI SIGN (L R3-7 (LE	FT), LEFT LANE MUS	T TURN LEFT AMUTCD		
ES PER COS STD. D	WG. NO R-64	(39)	INSTAI SIGN (L R30E (C	A) (L) NO PARKING TO	O THE LEFT		
Y SIGN PER DETAIL	- 4, SHEET C8.1	40	INSTAI SIGN (L R30E (C	A) (R) NO PARKING T	O THE RIGHT		
GUTTER PER DET	AIL 10, SHEET C8.0	$\langle 41 \rangle$	INSTAI WITH 9	L RECTAN	IGULAR RAPID FLAS	HING BEACON	ASSEMBLY	
AINTED WHITE SOL	ID STRIPE	$\overline{\langle 42 \rangle}$	INSTAL) R-11/		
BLE STRIPING PER [DETAIL 6, SHEET C8.0	$\langle 43 \rangle$	INSTAL		T DIKE TO MATCH E	(ISTING		
BLE SIGNAGE PER D	DETAIL 8, SHEET C8.0	$\langle 44 \rangle$		L TWO (2)	20' WIDE MANUAL C		DLL GATE (20' OPENING)	
IDE CURB CUT PEF	R DETAIL 5, SHEET C8.0	$\langle 45 \rangle$		LUUK PER	LIGHT PER C.O.S., R		5 .S. 10N	
ARKING FIRE IRB PER LEGEND			STANL	DARD DRAV	WING NO. R85-R92 FC	OR INSTALLAT	ION	
P) SIGN AND FIGURE 3B-103		LEGEN	D (S	SEE PA	VING NOTES	FOR SL	JBGRADE REQUIREM	ENTS)
LASTIC ADVANCED PER COS STD. DV) LIMIT LINE VG. R-113			ASPH	ALT PAVEMENT-PAR	KING (ASSUM	ED TI =6.5)	
D G82 (CA) (FREEW. R MUTCD STANDAR	AY) SIGN DS			3.5" A APPR	C OVER 7.5" CLASS II OVED EQUAL) OVER	AGGREGATE 12" SCARIFIE	EBASE OVER TENSAR GEOGRID (C D SUBGRADE RECOMPACTED PEF	DR R
STOPS AT 8' O.C. ET C8.0		KXXX	X	THE P STREE	PROJECT GEOTECHN	ICAL REPORT ETE DEEPLIFT	- (TI = 8.5)	
CURB AND APRON 1 S STD. DWG. R-54	ГО МАТСН		\searrow	13.5" A	ASPHALT CONCRETE	OVER SUBGF	RADE	
GH VISIBILITY CROS G. NO R-114	SSWALK	۰	· · ·	6.0" (3	000 PSI) CONCRETE	OVER 4.0" CL	ASS II AGGREGATE BASE OVER 12'	' SCARIFIED
ULAR RAPID FLASH REET LIGHT POLE P	ING BEACON ASSEMBLY ER DETAIL 3, SHEET C8.2			VEHIC	UI AR CONCRETE (T	l=6 5)		
BLE RAMP AND TRU STD. DWG. R-64	NCATED	а. Д ^р а		6.0" (3 AGGR	000 PSI) CONCRETE	W / #4 @ 18" C 12" SCARIFIED	D.C. EACH WAY OVER 6.0" CLASS II D SUBGRADE RECOMPACTED PER	
ITION AREA ET C8.1			-		ROJECT GEOTECHN	ICAL REPORT		
T ON CURB PER LE	GEND	+ + +		SEE L	ANDSCAPING PLANS	FOR DETAIL		
E HYDRANT MARKE SURE 3B-102 (CA)	R		\sum	<u>GRAV</u> 3" GR	<u>EL</u> AVEL LAYER OVER S	UBGRADE		
PAINT ON CURB PE	RLEGEND		\square	<u>CONT</u> 3 5" A	INGENT ASPHALT PA	VING (TO BE	INSTALLED IF BID ALT IS NOT AWA	RDED) RADE
				RECO	MPACTED PER THE I	PROJECT GEC	DTECHNICAL REPORT	
		00000000000000000000000000000000000000		INSTA	LE LL COBBLE PER DET	AIL 5, SHEET	C8.0	
D HERE TO PEDEST	RIAN			NO PA "ONSI	<u>RKING FIRE LANE</u> TE" CONCRETE CURI	3 SHALL HAVE	THE WORDS "NO PARKING FIRE	
V THERMOPLASTIC			_	LANE" LETTE	PAINTED AT INTERV RS SHALL BE BLOCK	ALS NO MORE	E THAN TWENTY-FIVE FEET. 1UM FIVE (5) INCHES WITH A	
PLASTIC TYPE IV (L)	∠ LEFT TURN ARROW			BACK	GROUND. ITE" CONCRETE CUE	RB SHALL RF F	PAINTED CITY OF STOCKTON RED	
ANDARD PLAN A24	MEDIAN			USING			LA.	
/16-9 SIGNS ON NE	AIL 29 W POST PER CAMUTCD		-	CONC THF T	RETE CURB SHALL B	E PAINTED CI	TY OF STOCKTON YELLOW USING	
(L) NO PARKING TO	D THE LEFT SIGN							
NO PARKING SIGN	ON	Ŷ		<u>SITE L</u> SEE S		Ε ΠΕΤΔΙΙ		Ē
(R) NO PARKING TO	AMUTED O THE RIGHT SIGN			OLL C				
R CAMUTCD S STD TYPE I DTL C	PEDESTRIAN BARRICADE	PROFE	SSION					
OWS IN BOTH DIRE R CALTRANS STANI	CTIONS, 2' FROM THE DARD PLAN ES-7Q	AMK.	MER					۲ ۲ ۲
THERMOPLASTIC C		No. 7	6826 /31/24		NEW	SECURE	ED STAFF PARKING L	.OT
PLATIC 24" ADVANC	ED LIMIT BAR	SALE CN	/IL IN IFO			AT I	NEW CITY HALL	
			AL	6 /07	PAVING		DIMENSIONIN	
ned	Di	AIL SIGNED:	:_11/1 	0/2 <u>3</u>				
kevision No.	Description	Date	By	Apprvd. By		UEPARTMI CITY OF 1	STOCKTON, CALIFORNIA	Ţ
		1			SCALE	AS SHOWN	APPROVED BY: <u>11/15/23</u>	SHEET NO.
G			-		DESIGNED BY DRAWN BY	JR JR	DAVE	C3.0 0F 48 SHEFT
					CHECKED BY	AKM	CITY ENCINEER	
1			<u> </u>		KELUKD DWGS.		STUCKTUN, CALIFORNIA	LUIOUID-A



	PARKING SUMMARY										
TYPE OF PARKING	NUMBER OF PUBLIC STALLS (UNSECURED)	REQUIRED NUMBER OF STALLS PER CBC & CALGREEN	NUMBER OF EMPLOYEE STALLS (SECURED)	BID ALT: NUMBER OF EMPLOYEE STALLS (SECURED)	TOTAL NUMBER OF SECURED STALLS	REQUIRED NUMBER OF STALLS PER CBC & CALGREEN					
COMPACT	8		28	25	53						
STANDARD	36		211	26	237						
STANDARD ACCESSIBLE	2	2	6	0	6	6					
VAN ACCESSIBLE	1	1	2	0	2	2					
EV VAN ACCESSIBLE	1		1	0	1						
EV STANDARD ACCESSIBLE	1	0	1	0	1	42					
EV STANDARD	6	9	29	4	33	42					
ADDITIONAL CLEAN AIR	1		3	4	7						
TOTAL	56		281	59	340						





Revision No.

		ASPHALT PAV 3.5" AC OVER APPROVED E PROJECT GE	/EMENT-PARKING (AS 7.5" CLASS II AGGRE(QUAL) OVER 12" SCAI DTECHNICAL REPORT	SUMED TI =6.5 GATE BASE OV RIFIED SUBGRA -) Er tensarge De recompac	ogrid (or Sted Per The	
		<u>NO PARKING</u> CONCRETE C INTERVALS N MINIMUM FIVI BE WHITE ON	FIRE LANE URB SHALL HAVE THI O MORE THAN TWEN ^T E (5) INCHES WITH A S A RED BACKGROUNE	E WORDS "NO F TY-FIVE FEET. I STROKE OF NO).	PARKING FIRE L/ ETTERS SHALL T LESS THAN 3/4	ANE" PAINTED AT BE BLOCK STYLE I INCH, AND SHAL	E .L
6)	<u>SITE LIGHT</u> SEE SHEET E	1.1 FOR MORE DETAI	L			
	NUIES:			- <u>~ Q</u> N			
$\langle 1 \rangle$	INSTALL 6	VERTICAL CUR	RB AND GUTTER PER	COS STD.			
$\langle 3 \rangle$	DWG. R-52 INSTALL 4"	? ' WIDE SOLID W	HITE STRIPE				
$\langle 4 \rangle$	INSTALL 18	8-INCH WIDE CL	IRB CUT PER DETAIL	5, SHEET C8.0			
5	INSTALL R	ED NO PARKINO	G FIRE LANE PAINT OF	N CURB PER			
$\langle 6 \rangle$	INSTALL BI	IORETENTION A	.REA PER DETAIL 3. S	HEET C8.1			
PAV 1.	VING NO	TES F SITE SHALL B	E SCARIFIED TO A MI		OF 12" INCHES /	AND RV	
PAV 1.	VING NO SUBGRADE O RECOMPACTE 3SK ASSOCIA GEOTECHICA	TES IF SITE SHALL B ED PER THE PR ITES. AGGREGA L REPORT DATI	E SCARIFIED TO A MI DJECT GEOTECHNICA TE BASE SHALL BE C ED 06/16/2022 BY BSK	NIMUM DEPTH AL REPORT DA OMPACTED PE ASSOCIATES.	OF 12" INCHES A FED 06/16/2022 E R THE PROJECT	AND 3Y	
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55436.8



<u>GRADING LEGEND</u>	
ABBREVIATION	DESCRIPTION
BW	BACK OF WALK
BOW	BOTTOM OF WALL
С	CONCRETE
DG	DECOMPOSED GRANITE
EC	EXISTING CONCRETE
EFL	EXISTING FLOWLINE
EG	EXISTING GROUND
EL	ELEVATION
EP	EXISTING PAVEMENT
EX.	EXISTING
FF	FINISHED FLOOR ELEVATION
FG	FINISH GROUND
FP	FINISH PAD ELEVATION
FL	FLOWLINE
G	GROUND
GB	GRADE BREAK
HP	HIGH POINT
LB	LIGHT BASE
LP	LOW POINT
MAX	MAXIMUM
MIN	MINIMUM
Р	PAVEMENT
TC	TOP OF CURB
TOW	TOP OF WALL
TYP	TYPICAL

LEGEND

3.0	EXISTING GROUND CONTOUR
<u> </u>	PROPOSED GROUND CONTOUR
\sim	PROPOSED FLOW LINE

NOTES:

- 1. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PROPERLY DISPOSING OF ALL MATERIALS DEMOLISHED FROM THE SITE INCLUDING: PAVEMENT, CONCRETE, CURB AND GUTTER, STORM DRAINAGE MATERIALS AND ELECTRICAL MATERIALS.
- IF ANY QUESTIONS ARISE AS TO WHETHER SOMETHING SHOULD BE REMOVED, CONTRACTOR SHALL CONTACT SIEGFRIED ENGINEERING, INC. IMMEDIATELY AT 209-943-2021.
- ANYTHING NOT CALLED OUT TO BE REMOVED SHALL BE PROTECTED IN PLACE, AND IF DAMAGED, SHALL BE REPLACED / REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 4. ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD. IT IS IMPERATIVE THAT "U.S.A. LOCATING SERVICES" LOCATE AND MARK EXISTING UTILITIES PRIOR TO THE START OF EXCAVATION.
- 5. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.

C	0' 15' SC/	30' 60' ALE: 1"=30'	DATE STATE	No. 76 Exp. 12/ SIGNED:	SSION MER 3826 31/24 ALIFO 11/1	6/23	NE O\	ERALL	D STAFF F NEW CITY H	PARKING LO IALL ING PLA	† N
	Revision No.	Description	1	Date	By	Apprvd. By		DEPARTME CITY OF S	NT OF PUB. STOCKTON, C	LIC WORKS 'ALIFORNIA	
							SCALE	AS SHOWN	APPROVED BY:	11/15/23	SHEET NO.
							DESIGNED BY	JR		DATE	C4.0
							DRAWN BY	JR	ADD	Huan	OF 48 SHEET
							CHECKED BY	AKM	CITY E	NGINEER	
							RECORD DWGS.		STOCKTON,	CALIFORNIA	E016015–A



ING KEY NOTES	<u>GRADING LEGEND</u>		
1.5% MAXIMUM CROSS SLOPE	ABBREVIATION	DESCRIPTION	17 :
4.9% MAXIMUM SLOPE IN DIRECTION OF	BW	BACK OF WALK	·
TRAVEL. AND 1.5% MAXIMUM CROSS SLOPE	BOW	BOTTOM OF WALL	40 [.]
	С	CONCRETE	16 :
ADJUST EXISTING MONITORING WELL FRAME AND	DG	DECOMPOSED GRANITE	·
INSTALL PROPOSED TRAFFIC RATED LID TO FINISHED	EC	EXISTING CONCRETE	
GRADE PER COS STD. DWG. R-30	EG	EXISTING GROUND	15 <u>:</u>
	EL	ELEVATION	
ADJUST EXISTING STORM DRAIN MANHOLE	EP	EXISTING PAVEMENT	•
TO GRADE PER COS STD. DWG. R-30	EX.	EXISTING	14 :
AD ILIST EXISTING MONITORING WELL VALUET TO GRADE AND INSTALL	FF	FINISHED FLOOR ELEVATION	
PROPOSED TRAFFIC RATED LID PER COS STD. DWG. R-30	FG	FINISH GROUND	•
NOI OSED INALLIO NATED EIDTEN COS STD. DWG. N-50	FL	FLOWLINE	13 <u>:</u>
ADJUST EXISTING UTILITY VAULT TO GRADE	G	GROUND	
PER COS STD. DWG. R-30	GB	GRADE BREAK	•
ADJUST EXISTING UTILITY BOX TO GRADE AND INSTALL PROPOSED	HP	HIGH POINT	12 :
TRAFFIC RATED I ID PER COS STD. DWG. R-30	I B	LIGHT BASE	
	I P		•
	MAX	MAXIMUM	11 :
	MIN	MINIMIM	
חו	P		
	TC	TOP OF CURB	10 :
	TOW		
3.0 = 2 EXISTING GROUND CONTOUR	TYP		·
	111	THIONE	9 :
3.0 — — PROPOSED GROUND CONTOUR			•
			8 ;
PROPOSED FLOW LINE	NOTES:		-40
			

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	GRADING KEY NOTES	GRADING LEGEND	
	1 1.5% MAXIMUM CROSS SLOPE	ABBREVIATION	DESCRIPTION
· · · · · · · · · · · · · · · · · · ·	2 4.9% MAXIMUM SLOPE IN DIRECTION OF TRAVEL, AND 1.5% MAXIMUM CROSS SLOPE	BW BOW	BACK OF WALK BOTTOM OF WALL
· · · · · · · · 16 · · · · · · · · 15	ADJUST EXISTING MONITORING WELL FRAME AND PROPOSED TRAFFIC RATED LID TO FINISHED GRADE PER COS STD. DWG. R-30	C DG EC EFL	CONCRETE DECOMPOSED GRAN EXISTING CONCRETI EXISTING FLOWLINE
· · · · · · · · · · · · · · · · · · ·	4 ADJUST EXISTING STORM DRAIN MANHOLE TO GRADE PER COS STD. DWG. R-30	EG EL EP	EXISTING GROUND ELEVATION EXISTING PAVEMEN
<u>.0.9%</u> · · · · · · · 13	5 ADJUST EXISTING UTILITY BOX TO GRADE PER COS STD. DWG. R-30	EX. FF FG	EXISTING FINISHED FLOOR ELI FINISH GROUND
· · · · · · · · · · · · · · · · · · ·	6 CONTRACTOR TO COORDINATE WITH UTILITY COMPANY TO INSTALL FLUSH GRADE TRAFFIC RATED COMMUNICATION BOX AT FINISHED GRADE WITH TRAFFIC RATED LID	FP FL	FINISH PAD ELEVATI FLOWLINE GROUND
· · · · · · · · 10 · · · · · · · · · · · 9	LEGEND	GB HP LB	GRADE BREAK HIGH POINT LIGHT BASE
····	EXISTING GROUND CONTOUR	LP MAX MIN	LOW POINT MAXIMUM MINIMUM
	PROPOSED GROUND CONTOUR	P TC TOW	PAVEMENT TOP OF CURB TOP OF WALL
	PROPOSED FLOW LINE	ТҮР	TYPICAL

LEGEND

3.0	EXISTING GROUND CONTOUR
<u> </u>	PROPOSED GROUND CONTOUR
\sim	PROPOSED FLOW LINE

GRADING LEGEND

BBREVIATION	DESCRIPTION
BW	BACK OF WALK
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TOW	TOP OF WALL
TYP	TYPICAL

NOTES:

- 1. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PROPERLY DISPOSING OF ALL MATERIALS DEMOLISHED FROM THE SITE INCLUDING: PAVEMENT, CONCRETE, CURB AND GUTTER, STORM DRAINAGE MATERIALS AND ELECTRICAL MATERIALS.
- 2. IF ANY QUESTIONS ARISE AS TO WHETHER SOMETHING SHOULD BE REMOVED, CONTRACTOR SHALL CONTACT SIEGFRIED ENGINEERING, INC. IMMEDIATELY AT 209-943-2021.
- 3. ANYTHING NOT CALLED OUT TO BE REMOVED SHALL BE PROTECTED IN PLACE, AND IF DAMAGED, SHALL BE REPLACED / REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 4. ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD. IT IS IMPERATIVE THAT "U.S.A. LOCATING SERVICES" LOCATE AND MARK EXISTING UTILITIES PRIOR TO THE START OF EXCAVATION.
- THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.

EXISTING UTILITIES:

- 1. EXISTING UTILITY DATA SHOWN ON THIS LAYOUT WAS OBTAINED FROM A SURVEY OF THE VISIBLE FEATURES AT THE SITE AND PUBLIC RECORD MAPS OBTAINED FORM UTILITY COMPANIES.
- 2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WITHIN 48 HOURS PRIOR OF CONSTRUCTION TO LOCATE AND TAG THEIR UNDERGROUND FACILITIES PRIOR TO EXCAVATION.
- 3. THE CONTRACTOR NEEDS TO ALLOW FOR THE POSSIBILITY OF UNDETECTED UNDERGROUND UTILITIES. ALSO, THE CONTRACTOR MUST ALLOW FOR CHANGES DUE TO UTILITIES BEING IN LOCATIONS DIFFERENT FROM THOSE SHOWN ON THE UTILITY RECORD DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND EXPOSING CONFLICTS PRIOR TO CONSTRUCTION.
- 4. THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS OF UTILITIES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS IMMEDIATELY. ANY DAMAGE BY THE CONTRACTOR TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.

UTILITY CONSTRUCTION NOTES:

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL CONFORM TO ALL APPLICABLE CITY OF STOCKTON STANDARD SPECIFICATIONS (LATEST EDITION) AND THE CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (LATEST EDITION).

LEGEND		
	PROPOSED DRAIN INLET	
*	PROPOSED CLEANOUT	SD PROPOSED STORM DRAIN PIPE
●	PROPOSED AREA DRAIN	SD - PROPOSED STORM DRAIN PERFORATED P
\mathbf{H}	PROPOSED SHUT OFF VALVE	W PROPOSED WATER LINE
A	PROPOSED FIRE DEPARTMENT CONNECTION	FS PROPOSED FIRE SERVICE LINE
✓	PROPOSED FIRE HYDRANT SAFETY LIGHTING, SEE ELECTRICAL PLANS FOR MORE DETAIL	EXISTING FIRE HYDRANT WITH 150' HOSE SWEEP

PROPOSED FIRE HYDRANT WITH

150' HOSE SWEEP

KEY NOTES:

- $\langle 1 \rangle$ CONNECT TO EXISTING STORM DRAIN MANHOLE
- < 2 > INSTALL STORM DRAIN OVERFLOW INLET PER DETAIL 2, SHEET C8.1
- (3) INSTALL STORM DRAIN BIORETENTION CLEANOUT PER DETAIL 1, SHEET C8.1
- $\langle 4 \rangle$ INSTALL FIRE HYDRANT AND WATER VALVE PER COS STD. DWG. W-13
- $\langle 5 \rangle$ INSTALL TRAFFIC RATED LID ON EXISTING MONITORING WELL
- $\langle 6 \rangle$ INSTALL STORM DRAIN BUBBLE UP PER DETAIL 3, SHEET C8.0
- $\langle 7 \rangle$ ELECTRICAL CONDUIT SHOWN FOR REFERENCE ONLY, SEE ELECTRICAL PLANS FOR MORE DETAIL
- $\langle 8 \rangle$ INSTALL TYPE 2 CURB INLET CATCH BASIN PER COS STD DWG. D-8
- 9 INSTALL 1.5" IRRIGATION WATER METER AND BACKFLOW
- PREVENTER PER COS STD. DWG. NO W-9
- (10) CONNECT TO EXISTING WATER SYSTEM PER CAL WATER STANDARDS AND PER DESIGN-BUILD ENGINEERING PROVIDED BY CONTRACTOR
- $\langle 11 \rangle$ INSTALL TRAFFIC RATED LID ON EXISTING MONITORING WELL VAULT

(0' 15' SC/	30' 60' ALE: 1"=30'	ALL PROFE No. 74 Exp. 12/ DATE SIGNED:	SSION MERP 6826 /31/24 /ALIFO ALIFO	6/23	NE	EW SECURE At I UTI	D STAFF F NEW CITY I	PARKING LO HALL LAN	Ť	iff Parking Lot City Hall\Plans and Graphics
	Revision No.	Description	Date	By	Apprvd. By		DEPARTME CITY OF S	ENT OF PUE STOCKTON,	BLIC WORKS CALIFORNIA		Secured Sto
						SCALE	AS SHOWN	APPROVED BY:	11/15/23	SHEET NO.	CoS
						DESIGNED BY	JR		DATE	C5.0	21246
IG RE						DRAWN BY	JR	Asis	Human	OF 48 SHEET	ects∖ź
						CHECKED BY	AKM ,	CITY	ENGINEER		1 proje
iΝ						RECORD DWGS.		STOCKTO	I, CALIFORNIA	E016015-A	F:/2

EXISTING UTILITIES:

- EXISTING UTILITY DATA SHOWN ON THIS LAYOUT WAS OBTAINED FROM A SURVEY OF THE VISIBLE FEATURES AT THE SITE AND PUBLIC RECORD MAPS OBTAINED FORM UTILITY COMPANIES.
- 2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WITHIN 48 HOURS PRIOR OF CONSTRUCTION TO LOCATE AND TAG THEIR UNDERGROUND FACILITIES PRIOR TO EXCAVATION.
- 3. THE CONTRACTOR NEEDS TO ALLOW FOR THE POSSIBILITY OF UNDETECTED UNDERGROUND UTILITIES. ALSO, THE CONTRACTOR MUST ALLOW FOR CHANGES DUE TO UTILITIES BEING IN LOCATIONS DIFFERENT FROM THOSE SHOWN ON THE UTILITY RECORD DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND EXPOSING CONFLICTS PRIOR TO CONSTRUCTION.
- 4. THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS OF UTILITIES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS IMMEDIATELY. ANY DAMAGE BY THE CONTRACTOR TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.

UTILITY CONSTRUCTION NOTES:

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL CONFORM TO ALL APPLICABLE CITY OF STOCKTON STANDARD SPECIFICATIONS (LATEST EDITION) AND THE CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (LATEST EDITION).

LEGEND

	PROPOSED DRAIN INLET
8	PROPOSED CLEANOUT
●	PROPOSED AREA DRAIN
M	PROPOSED SHUT OFF VALVE
A	PROPOSED FIRE DEPARTMENT CONNECTION
\bigcirc	PROPOSED FIRE HYDRANT
	PROPOSED SANITARY SEWER LINE
SD	PROPOSED STORM DRAIN PIPE
(SD	PROPOSED STORM DRAIN PERFORATED PIPE
W	PROPOSED WATER LINE
FS	PROPOSED FIRE SERVICE LINE

KEY NOTES:

- (1) INSTALL STORM DRAIN BIORETENTION CLEANOUT PER DETAIL 1, SHEET C8.1
- (2) CONNECT PROPOSED PERF PIPE TO BASE BID STORM DRAIN CLEANOUT
- 3 ELECTRICAL CONDUIT SHOWN FOR REFERENCE ONLY, SEE ELECTRICAL PLANS FOR MORE DETAIL

0' 15	30' 60' SCALE: 1"=30'	DATE SIGNED	ESSION MEA 76826 2/31/24 VIL CALIFO 0: 11/1		NEW SECURED STAFF PARKING LOT AT NEW CITY HALL UTILITY PLAN - BID ALT
Revisio No.	n Description	Date	By	Apprvd. By	DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA
					SCALE AS SHOWN APPROVED BY: 11/15/23 SHEET NO.
					DESIGNED BY JR DATE C5.1
					DRAWN BY JR
					CHECKED BY AKM CITY ENCINEER
					RECORD DWGS. STOCKTON, CALIFORNIA E'016015-A

	LD/
STRAW	4,0
ORGANIC BINDER	200

BENCHMARK

CALIFORNIA DEPARTMENT OF TRANSPORTATION SURVEY MONUMENT 201205: BRASS DISK STAMPED CALIF DEPARTMENT OF TRANSPORTATION 201205 ON A CURB ON WEBER AVENUE WEST OF LINCOLN STREET NEAR THE SOUTHWEST CORNER.

ELEVATION= 11.645' (NAVD88)

LEGEND

⊙ ^{−XX}	FOUND MONUMENT AS DESCRIBED IN POINT TABLE
XXX	SET SURVEY CONTROL AS DESCRIBED IN POINT TABLE

POINT TABLE:

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1004	2170128	6330991	13.078	CONTROL POINT
1007	2170182	6331564	11.645	CALIF DEPT OF TRANSPORTATION 201205
2020	2170135	6331380	12.111	
2252	2170033	6331215	12.975	
2401	2170110	6331259	12.165	
2402	2170166	6331522	11.773	
2403	2170040	6331632	10.718	
2404	2170081	6331073	12.483	2" CONTROL POINT

1004 _____

1+00

⁵⁵⁴³C.18

RRIGATION NOTES		IRRIGATION	LEGE	ND				
ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH LOCAL CODES AND REQUIREMENTS.		SYMBOL	MANUFACTUF	ER/MODEL/D	ESCRIPTION	(
THE SPRINKLER SYSTEM IS DESIGNED WITH AN OPERATING PRESSURE OF 20 PSI. THE CONTR TO PERFORM A STATIC AND DYNAMIC PRESSURE TEST; VERIFY AT LEAST 50 PSI. STATIC AND RECORD THE PRESSURE READING AT 20 GPM. REPORT THE FINDINGS TO THE LANDSCAPE AR IF THE CONTRACTOR FAILS TO DO SO, THE CONTRACTOR WILL TAKE FULL RESPONSIBILITY FC NECESSARY REVISIONS.	ACTORIS THEN CHITECT. IR ANY	\odot	Hunter MP1000 Shrub Rotator, 30 psi, MP Rota L=Light Blue 21	PROS-12-PR 12" pop-up with ator nozzle on I 0 to 270 arc. C	S30-CV-F h check valve, floguard, pressure r PRS30 body. M=Maroon adj arc 90)=Olive 360 arc.	regulated to 4 90 to 210,	64	
THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER RI TO SUSTAIN GOOD PLANT HEALTH. CONTRACTOR SHALL GUARANTEE 100% COVERAGE OF SY SPLICING OF 24 VOLT WIRES IS NOT PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 36" LONG, DIAMETER COIL OF EXCESS WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 1 ALONG WIRE RUN. TAPE WIRE TOGETHER EVERY TEN FEET. TAPING WIRES IS NOT REQUIRED	EQUIRED STEM. 6" 00 FEET INSIDE	®©®	Hunter MP2000 Shrub Rotator, pressure regula adj arc 90-210,	PROS-12-PR 12" pop-up with ted to 30 psi, M G=Green adj a	S30-CV-F h factory installed check valve, flog MP Rotator nozzle on PRS30 body arc 210-270, R=Red 360 arc.	oguard, ź ly. K=Black	23	
SLEEVES. RUN WIRE FROM EACH REMOTE CONTROL VALVE TO THE CONTROLLER. ALL CONTR WIRES TO BE INDEXED AT VALVES AND CONTROLLER. ONE VALVE PER 14" x 19" BOX WITH ISOLATION GATE VALVE. PLASTIC VALVE COVERS TO BE G COLOR. LIDS TO BE T-STYLE NON-HINGED COVERS MARKED IRRIGATION. BOX BODY SHALL HA KNOCK-OUTS WITH BOLT-DOWN LIDS.	OLLER REEN IN VE	¥ 1402	Rain Bird RWS Root Watering semi-rigid mesl 0.5 GPM.Two p	-B-C w/ RWS-S System with 4" h tube. Check per tree, typical	SOCK 1400 Series diameter x 36" long with locking g Valve and Sand Sock. Rain Bird b	grate, bubbler 1402	80	
INSTALL NEW REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, LAWN, HEADER BOARD BUILDING, OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE), AN EQUAL	SYMBOL	MANUFACTUF	ER/MODEL/D	ESCRIPTION	<u>(</u>	<u> ΥΤΥ</u>	
DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE 12" APART. SHORT SI RECTANGULAR VALVE BOXES SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC. CONTRACTOR SHALL STABILIZE IRRIGATION VALVES DURING CONSTRUCTION UNTIL BACKFILL COMPLETED.	DE OF ING IS		Rain Bird XCZ- Wide Flow Drip PESB Valve an 0.3 GPM-20 Gf	100-PRB-COM Control Kit for d 1" Pressure I PM	l Commercial Applications. 1" Ball \ Regulating 40psi Quick-Check Bas	Valve with 1" { asket Filter.	5	
THIS PLAN IS <u>DIAGRAMMATIC</u> . ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE. AVOID CONFLICTS BETWEEN THE SPRINKLER SYSTEM AND PLANTING AND ARCHITECTURAL FEATURE CONTRACTOR IS RESPONSIBLE FOR HEAD SPRAY AWAY FROM BUILDING. THE CONTRACTOR SHALL FLUSH ALL LINES AND AD JUST ALL HEADS FOR MAXIMUM PERFORM	DESIGN ANY ES.		Rain Bird XCZ- High Flow Cont Valve with two Flow range: 15	150-PRB-COM rol Zone Kit, fo 1" Pressure Re 40 GPM.	l r Large Commercial Drip Zones. 1 egulating 40psi Quick-Check Baske	1-1/2" PESB	7	
AND TO MINIMIZE OVERSPRAY ON TO WALKS, WALLS, FENCES, DRIVES, AND BUILDINGS AS MU POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT EXISTING CONT AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING	ICH AS DITIONS G	Ţ	Rain Bird MDC Dripline Flush \	FCAP /alve cap in co	mpression fitting coupler.	,	1	
PRESSURE FOR EACH SYSTEM. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL PVC SLEEVES UNDER PAVEMENT AND ROADWAYS TO BE SCH. 40. SLEEVES TO BE TWICE T	THE	Ą	Rain Bird ARV(1/2" Air Relief \ box (SEB 7XB allow air to esc	950 ′alve, made of emitter box). L ape the pipeline	quality rust-proof materials, with a Jse with installation below soil. The e, thus preventing water hammer c	a 6" drip valve ne valve will or blockage.	1	
THAT WOULD PASS THROUGH SLEEVES TO CLASS 315 SOLVENT WELD PIPE OF SAME SIZE. INSTALL CHECK VALVES OR IN-HEAD CHECK VALVES TO ELIMINATE LOW HEAD DRAINAGE WHE NECESSARY. SUBSTITUTION FOR IRRIGATION EQUIPMENT SPECIFIED ON THE PLANS MAY BE DONE ONLY W	RE	∞>	Rain Bird OPEI Drip System Op system is charg tubing with con	RIND peration Indicat led to a minimu nection fitting p	or, stem rises 6" for clear visibility um of 20psi. Includes 16" of 1/4" di pre-installed.	/ when drip	1	
APPROVAL OF THE LANDSCAPE ARCHITECT. PROVIDE A MINIMUM 24" COVER OVER ALL MAIN LINE PIPING AND 18" OVER ALL LATERAL LINES	S.		Area to Receive	e Dripline				
THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE SYSTEM AS DESIGNED WHEN IT IS OB THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WERE NOT IDENTIFIED DRAWINGS, SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S	/IOUS IN IN THE		XFS Sub-Surfa Technology. 0.1	ce Pressure Co GPH emitters	ompensating Dripline w/Copper Sh at 12" O.C. Laterals spaced at 12	, Shield 2" apart, with	4,398 I .f.	
REPRESENTATIVE. OTHERWISE, THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR NECESSARY REVISIONS.	ANY		emitters offset	or triangular pa	attern. UV Resistant. Specify XF in	nsert fittings.		
ALL WIRE CONNECTIONS TO BE MADE IN VALVE BOX WITH WATER TIGHT CONNECTORS PER TO MANUFACTURERS DIRECTIONS. WIRE SPLICES SHALL NOT BE PERMITTED UNLESS APPROVED	HE BY THE	<u>SYMBOL</u>	Irritrol 700 (1")	ER/MODEL/D	ESCRIPTION	(<u>11 Y</u> 14	
OWNER'S REPRESENTATIVE. WIRE SPLICE LOCATIONS MUST BE INDICATED ON "AS-BUILTS". FOR MAINLINE PIPE AND FITTINGS THRUST RESTRAINTS, SEE LEGEND AND DETAILS. SEE IRRIGATION DETAILS FOR ADDITIONAL INFORMATION.			Electric Remote Rain Bird 44-LF 1" Brass Quick- Spring, Locking	Control Valve C Coupling Valve	e, with Corrosion-Resistant Stainle Rubber Cover, and 2-Piece Body	ess Steel	21	
IRRIGATION EQUIPMENT AND PIPING IS DIAGRAMMATIC		X	Nibco T-113 Class 125 bron	ze gate shut of	f valve with wheel handle, same si	size as	4	
FOR GRAPHICAL CLARITY.			Buckner-Super	or 3100 1-1/2"				
1. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE.		BF	Normally Open Zurn 975XL 1- Reduced Press	Brass Master \ /2" ure Backflow d	valve levice	,		
2. AVOID ANY CONFLICTS BETWEEN THE IRRIGATION SYSTEM AND PLANTING AND ARCHITECTURAL FEATURES.		С	Hunter I2C-400 40 Station Outo WIFIKIT Wi-Fi Pedestal.	0-M/ICC-PED- loor Modular C communication	SS ontroller. With four ICM-800 Modu module. Commercial Use. Stainle	ule and ess Steel		
THE IRRIGATION SYSTEM SHALL COMPLY WITH THE CRITERIA OF THE 2015 WATER EFFICIENT LANDSCAPE ORDINANCE AND THE REQUIREMENTS FOR THE EFFICIENT USE OF WATER IN		2W	Hunter EZDM EZDM decoder 2-wire decoder Universal Deco	output module system (up to s der Stake Kit (I	 Plug-in module converts ICC2 co 54 stations maximum). To be insta DECSTAKE10). 	controller to		
THE LANDSCAPE DESIGN PLAN.		$\langle D \rangle$	Hunter ICD-100 Single Station I installed in valv) Decoder w/Surg e box.	ge Suppression and Ground Wire.	. To be	26	
EXISTING TREES To remain and be protected during construction.		RS	Hunter MINI-Cl Rain Sensor, w controller.	IK SG-MC ith stainless ste	eel Sensor Guard protection, mour	int on		
 TREE LOCATION (PROPOSED) Layout reference of Tree Plan sheet L-201 		FS	Creative Sensc 1.5" PVC tee ty lightweight imp compatible w/a	r Technology F pe flow sensor eller enhances Il irrigation conf	FSI-T15-001 w/socket ends, custom mounting t low flow measurement. 2 wire digi trollers. Flow range 1.8 GPM - 108	i tee and ultra gital output 8 GPM.		
		(BP)	Rain Bird Low I Low Profile Pur	Profile Pump St np Station. Rai	tation nbird LP Series or equal. 2 hp, 230 m flow, locking motal anglesure	30v, 2"		
		POC1	Point of Conne	51 000st, 60 gp ction 1 1/2"	an now, locking metal enclosure.			OLANDSCAPE NORD, PA
			Connect to exis	ting 1" water m Il Line: PVC Sc	neter, MAX 1 valve operating at a t chedule 40	time.		No.5595 7
			Irrigation Mainli	ne: PVC Class	200 SDR 21 (1 1/2")			Signature Signature Exp. 11/30/24
			Pipe Sleeve: P Typical pipe sle sleeved. Exten	/C Schedule 4 eve for irrigatic d sleeves 18" b	0 on pipe. Min. size 2x diameter of pi beyond edges of paving or construc	pipe being uction.		DATE SIGNED: 11/16/23
		# • # • #" •	Valve Callout Valve Nur Valve Flov Valve Size Valve Size	nber v				NEW SECURED STAFF PARKING LOT AT NEW CITY HALL
		<u>``</u> /						IRRIGATION LEGEND & NOTES
I HAVE COMPLIED WITH THE CRITERIA OF THE M WATER EFFICIENT LANDSCAPE ORDINANCE AN APPLY THEM FOR THE EFFICIENT USE OF WATE	MODEL D ER IN			Revision No.	Description	Date By	y Apprvd. By	DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA
THE LANDSCAPE AND IRRIGATION DESIGN PLAN	3428 Brookside Road							DESIGNED BY ATM
ROBERT I NORBUTAS IR RIA 5595	Stockton, CA 95219 Phone: 209-943-202 Fax: 209-942-021	STRUCTURAL 21 ELANDSCAPE A 4 ELAND SURVEY	ENGINEERING ARCHITECTURE 'ING			+		CHECKED BY RJN
ROBERT J. NORDOTAS, JR., REA 3333	www.siegfriedeng.com	■ PLANNING ■ ATHLETIC FAC	CILITY DESIGN					RECORD DWGS. CITY ENGINEER E016015

5543C.22

IRRIGATION NOTES

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH LOCAL CODES AND REQUIREMENTS. THE SPRINKLER SYSTEM IS DESIGNED WITH AN OPERATING PRESSURE OF 20 PSI. THE CONTRACTOR IS TO PERFORM A STATIC AND DYNAMIC PRESSURE TEST; VERIFY AT LEAST 50 PSI. STATIC AND THEN RECORD THE PRESSURE READING AT 20 GPM. REPORT THE FINDINGS TO THE LANDSCAPE ARCHITECT. IF THE CONTRACTOR FAILS TO DO SO, THE CONTRACTOR WILL TAKE FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
- 3. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH. CONTRACTOR SHALL GUARANTEE 100% COVERAGE OF SYSTEM. 4. SPLICING OF 24 VOLT WIRES IS NOT PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 36" LONG, 6"
- DIAMETER COIL OF EXCESS WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 100 FEET ALONG WIRE RUN. TAPE WIRE TOGETHER EVERY TEN FEET. TAPING WIRES IS NOT REQUIRED INSIDE SLEEVES. RUN WIRE FROM EACH REMOTE CONTROL VALVE TO THE CONTROLLER. ALL CONTROLLER WIRES TO BE INDEXED AT VALVES AND CONTROLLER.
- 5. ONE VALVE PER 14" x 19" BOX WITH ISOLATION GATE VALVE. PLASTIC VALVE COVERS TO BE GREEN IN COLOR. LIDS TO BE T-STYLE NON-HINGED COVERS MARKED IRRIGATION. BOX BODY SHALL HAVE KNOCK-OUTS WITH BOLT-DOWN LIDS.
- 6. INSTALL NEW REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, LAWN, HEADER BOARD, BUILDING, OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE 12" APART. SHORT SIDE OF RECTANGULAR VALVE BOXES SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC.
- 7. CONTRACTOR SHALL STABILIZE IRRIGATION VALVES DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETED.
- 8. THIS PLAN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM AND PLANTING AND ARCHITECTURAL FEATURES. CONTRACTOR IS RESPONSIBLE FOR HEAD SPRAY AWAY FROM BUILDING.
- 9. THE CONTRACTOR SHALL FLUSH ALL LINES AND ADJUST ALL HEADS FOR MAXIMUM PERFORMANCE AND TO MINIMIZE OVERSPRAY ON TO WALKS, WALLS, FENCES, DRIVES, AND BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT EXISTING CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
- 10. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 11. ALL PVC SLEEVES UNDER PAVEMENT AND ROADWAYS TO BE SCH. 40. SLEEVES TO BE TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE THAT WILL PASS THROUGH SLEEVE. CHANGE ALL RING-TITE PIPE THAT WOULD PASS THROUGH SLEEVES TO CLASS 315 SOLVENT WELD PIPE OF SAME SIZE. 12. INSTALL CHECK VALVES OR IN-HEAD CHECK VALVES TO ELIMINATE LOW HEAD DRAINAGE WHERE
- NECESSARY. 13. SUBSTITUTION FOR IRRIGATION EQUIPMENT SPECIFIED ON THE PLANS MAY BE DONE ONLY WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- 14. PROVIDE A MINIMUM 24" COVER OVER ALL MAIN LINE PIPING AND 18" OVER ALL LATERAL LINES. 15. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE SYSTEM AS DESIGNED WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WERE NOT IDENTIFIED IN THE DRAWINGS. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. OTHERWISE, THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR ANY
- NECESSARY REVISIONS. 16. ALL WIRE CONNECTIONS TO BE MADE IN VALVE BOX WITH WATER TIGHT CONNECTORS PER THE MANUFACTURERS DIRECTIONS. WIRE SPLICES SHALL NOT BE PERMITTED UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE. WIRE SPLICE LOCATIONS MUST BE INDICATED ON "AS-BUILTS".
- 17. FOR MAINLINE PIPE AND FITTINGS THRUST RESTRAINTS, SEE LEGEND AND DETAILS. 18. SEE IRRIGATION DETAILS FOR ADDITIONAL INFORMATION.

IRRIGATION EQUIPMENT AND PIPING IS DIAGRAMMATIC FOR GRAPHICAL CLARITY.

- 1. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE.
- 2. AVOID ANY CONFLICTS BETWEEN THE IRRIGATION SYSTEM AND PLANTING AND ARCHITECTURAL FEATURES.

THE IRRIGATION SYSTEM SHALL COMPLY WITH THE CRITERIA OF THE 2015 WATER EFFICIENT LANDSCAPE ORDINANCE AND THE REQUIREMENTS FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

SYMBOL	MANUFACTURER/MODE	EL/DESCRIPTION	QTY		
	Hunter MP1000 PROS-12 Shrub Rotator, 12" pop-up 30 psi, MP Rotator nozzle L=Light Blue 210 to 270 a	P-PRS30-CV-F with check valve, floguard, pressure regulated to on PRS30 body. M=Maroon adj arc 90 to 210, rc, O=Olive 360 arc.	28		
<u>K</u> @R	Hunter MP2000 PROS-12 Shrub Rotator, 12" pop-up pressure regulated to 30 p adj arc 90-210, G=Green	P-PRS30-CV-F with factory installed check valve, floguard, osi, MP Rotator nozzle on PRS30 body. K=Black adj arc 210-270, R=Red 360 arc.	7		
¥ 1402	Rain Bird RWS-B-C w/ RV Root Watering System wit semi-rigid mesh tube. Ch 0.5 GPM.Two per tree, typ	VS-SOCK 1400 Series h 4" diameter x 36" long with locking grate, eck Valve and Sand Sock. Rain Bird bubbler 1402 pical.	30		
SYMBOL	MANUFACTURER/MODE	EL/DESCRIPTION	QTY		
	Rain Bird XCZ-150-PRB-0 High Flow Control Zone K Valve with two 1" Pressur Flow range: 15-40 GPM.	COM it, for Large Commercial Drip Zones. 1-1/2" PESB e Regulating 40psi Quick-Check Basket Filters.	2		
Ţ	Rain Bird MDCFCAP Dripline Flush Valve cap ir	n compression fitting coupler.	3		
Ą	Rain Bird ARV050 1/2" Air Relief Valve, made box (SEB 7XB emitter box allow air to escape the pip	e of quality rust-proof materials, with a 6" drip valve (). Use with installation below soil. The valve will beline, thus preventing water hammer or blockage.	3		
\bigotimes	Rain Bird OPERIND Drip System Operation Ind system is charged to a min tubing with connection fitti	dicator, stem rises 6" for clear visibility when drip nimum of 20psi. Includes 16" of 1/4" distribution ing pre-installed.	3		
	Area to Receive Dripline Rain Bird XES-06-12				
	XFS Sub-Surface Pressur Technology. 0.6 GPH emi emitters offset for triangula	re Compensating Dripline w/Copper Shield itters at 12" O.C. Laterals spaced at 12" apart, with ar pattern. UV Resistant. Specify XF insert fittings.	7,422 l.f.		
<u>SYMBOL</u>	MANUFACTURER/MODE	EL/DESCRIPTION	<u>QTY</u> 2		
	Electric Remote Control V	alve	2		
	Rain Bird 44-LRC 1" Brass Quick-Coupling \ Spring, Locking Thermopl	4			
$\langle D \rangle$	Hunter ICD-100 Single Station Decoder w/	Surge Suppression and Ground Wire. To be	4		
P0C2 도	Point of Connection 1 1/2"	,	1		
POC3	Connect to existing mainli Point of Connection 1 1/2"	ne.	1		
POC4	Connect to existing lateral	l.	•		
번	Point of Connection 1 1/2" Connect to existing lateral	L	1		
면	Point of Connection 1 1/2" Connect to existing lateral	1			
P0C6 노	Point of Connection 1 1/2" Connect to existing lateral		1		
P0C7 노	Point of Connection 1 1/2"	,	1		
	Connect to existing mainli Irrigation Lateral Line: PV	ne. C Schedule 40			
	Irrigation Mainline: PV/C C	lass 200 SDR 21 (1 1/2")			
	Pipe Sleeve: PVC Schedu Typical pipe sleeve for irri sleeved. Extend sleeves 1 Valve Callout	Ile 40 gation pipe. Min. size 2x diameter of pipe being I8" beyond edges of paving or construction.			
# • # •	Valve Number Valve Flow				
#" •	Valve Size				
٠	EXISTING TREES To remain and be pr	otected during construction.			
•	TREE LOCATION (F Layout reference of ⁻	PROPOSED) Tree Plan sheet L-201	LOLANDSCAPER		
			Signature Signature Signature		
HAVE COMPLIED WITH THE CRITERIA	OF THE MODEL		DATE CIONED 11/10		
VATER EFFICIENT LANDSCAPE ORDIN. PPLY THEM FOR THE EFFICIENT USE	ANCE AND OF WATER IN				
HE LANDSCAPE AND IRRIGATION DES	SIGN PLANS.	INEW JECURED STAF	TTARNING LUI Y UALI		
Ke Vornage.					
OBERT J. NORBUTAS, JR., RLA 5595					
Revision	Annrud	ה שוט איז אויד ס גם זיז ראויד אויד אוידס גם זיז א	AL I DIBLIC WADKO		
Decomintion	llato Du Appiou.				

Revision By By Description Daie CITY OF STOCKTON, CALIFORNIA No. SCALE AS SHOWN APPROVED BY: SHEET NO. 11/15/23 DATE AYM L1.3 DESIGNED BY AYM DRAWN BY OF 48 SHEET LADA THETAP CITY ENGINEER CHECKED BY RJN 016015-RECORD DWGS. STOCKTON, CALIFORNIA

REFERENCE DATA

Reference data

Nearest data location: Stockton

	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reference Eto (in./mo.)	0.80	1.50	2.90	4.70	6.20	7.40	8.10	6.80	5.30	3.20	1.40	0.60
Historical average precipitation	2.73	2.26	1.70	1.22	0.35	0.06	0.00	0.00	0.09	0.73	1.35	3.42
Effective precipitation (historical average -0.2" * 75%)	1.90	1.55	1.13	0.77	0.11	0.00	0.00	0.00	0.00	0.40	0.86	2.42
Base required irrigation (in./m o.)	0.00	0.00	1.78	3.94	6.09	7.40	8.10	6.80	5.30	2.80	0.54	0.00

HYDROZONE INFORMATION TABLE

Hydroz	one data summary															Model Ordinance	Area Calculations
Zone	Description	Ks	Kd	Kmc	KL	Irr Type	IE	PR	Soil Type	BIR	AW	RZ	PAW	MAD	AD	HA (sqft)	% of landscape area
1 1	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	2056	5.63%
2	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	1630	4.46%
3	BUBBLER-TREE	0.2	1.3	1.3	0.34	Bubbler	0.81	0.50	Clay Loam	0.2	0.18	36	6.48	50%	3.24	175	0.48%
4	BUBBLER-TREE	0.2	1.3	1.3	0.34	Bubbler	0.81	0.50	Clay Loam	0.2	0.18	36	6.48	50%	3.24	250	0.68%
5	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	1463	4.00%
6	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	1821	4.98%
7	SPRAY ROTATOR-BIORETENTION	0.2	1.3	1.3	0.34	MultiStrm	0.75	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	1859	5.09%
8	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	18	3.24	50%	1.62	636	1.74%
9	BUBBLER-TREE	0.2	1.3	1.3	0.34	Bubbler	0.81	0.50	Clay Loam	0.2	0.18	18	3.24	50%	1.62	475	1.30%
10	SPRAY ROTATOR-BIORETENTION	0.2	1.3	1.3	0.34	MultiStrm	0.75	0.50	Clay Loam	0.2	0.18	36	6.48	50%	3.24	1671	4.57%
11	SPRAY ROTATOR-BIORETENTION	0.2	1.3	1.3	0.34	MultiStrm	0.75	0.50	Clay Loam	0.2	0.18	18	3.24	50%	1.62	1173	3.21%
12	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	18	3.24	50%	1.62	615	1.68%
13	BUBBLER-TREE	0.2	1.0	1.3	0.26	Bubbler	0.81	0.50	Clay Loam	0.2	0.18	36	6.48	50%	3.24	175	0.48%
14	BUBBLER-TREE	0.2	1.3	1.3	0.34	Bubbler	0.81	0.50	Clay Loam	0.2	0.18	36	6.48	50%	3.24	150	0.41%
15	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	1536	4.20%
16	DRIPLINE-SHRUB	0.2	1.0	1.3	0.26	Drip	0.81	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	657	1.80%
17	BUBBLER-TREE	0.2	1.3	1.3	0.34	Bubbler	0.81	0.50	Clay Loam	0.2	0.18	36	6.48	50%	3.24	600	1.64%
18	DRIPLINE-SHRUB	0.5	1.0	1.3	0.65	Drip	0.75	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	655	1.79%
19	BUBBLER-TREE	0.2	1.0	1.3	0.26	Bubbler	0.81	0.50	Clay Loam	0.2	0.18	36	6.48	50%	3.24	475	1.30%
20	DRIPLINE-SHRUB	0.5	1.0	1.3	0.65	Drip	0.75	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	716	1.96%
21	SPRAY ROTATOR-BIORETENTION	0.2	1.3	1.3	0.34	MultiStrm	0.75	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	2070	5.66%
22	BUBBLER-TREE	0.2	1.3	1.3	0.34	Bubbler	0.81	0.50	Clay Loam	0.2	0.18	36	6.48	50%	3.24	225	0.62%
23	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	416	1.14%
24	SPRAY ROTATOR-BIORETENTION	0.2	1.3	1.3	0.34	MultiStrm	0.75	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	1843	5.04%
25	SPRAY ROTATOR-BIORETENTION	0.2	1.3	1.3	0.34	MultiStrm	0.75	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	2596	7.10%
26	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	18	3.24	50%	1.62	1399	3.83%
27	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	3227	8.83%
28	SPRAY ROTATOR-BIORETENTION	0.2	1.3	1.3	0.34	MultiStrm	0.75	0.50	Clay Loam	0.2	0.18	12	2.16	50%	1.08	2553	6.98%
29	DRIPLINE-SHRUB	0.2	1.3	1.3	0.34	Drip	0.81	0.50	Clay Loam	0.2	0.18	18	3.24	50%	1.62	3284	8.98%
30	BUBBLER-TREE	0.2	1.3	1.3	0.34	Bubbler	0.81	0.50	Clay Loam	0.2	0.18	36	6.48	50%	3.24	150	0.41%

Total: 36551 100%

PIPE SIZING SCHEDULE (SCH 40 PVC)

FOR LATERAL LINES IN DRIP AREAS BEYOND THOSE SHOWN ON PLAN, CONTRACTOR SHALL FIELD SIZE BASED ON THE FOLLOWING TABLE:

PIPE SIZE	PER MINUTE (GPM)
3/4"	8 GPM
1"	12 GPM
1-1/4"	22 GPM
1-1/2"	30 GPM
2"	50 GPM
2-1/2"	80 GPM

IRRIGATION SCHEDULING NOTE

PROJECT INCLUDES A NEW IRRIGATION SYSTEM AND REQUIRES THE FOLLOWING MEASURES TO BE MET:

- 1. IRRIGATION MUST BE SCHEDULED BETWEEN 9:00 P.M. AND 6:00 A.M. UNLESS WEATHER CONDITIONS PREVENT IT.
- 2. OPERATION OF THE IRRIGATION SYSTEM OUTSIDE THE NORMAL WATERING WINDOW IS ALLOWED FOR AUDITING AND SYSTEM MAINTENANCE.
- 3. TOTAL ANNUAL APPLIED WATER SHALL BE LESS THAN OR EQUAL TO MAXIMUM APPLIED WATER ALLOWANCE (MAWA) AS CALCULATED PER THE POTABLE WATER USE REDUCTION REQUIREMENTS.

HYDROZONE CALCULATION REFERENCE

Ks	= Species factor Per WUCOLS List: .1 - Very Low .2 - Low
	.5 - Medium
	.8 - High
Kd	= Density factor
	Plant Spacing & layering
	0.8 - Low
	1.0 - Average
	1.3 - High

Kmc = Micro-climate factor Relative to open field conditions 0.7 - Low 1.00 - Average 1.3 - High KL = Landscape Coefficient Calculation factor Irr Type = Method of Irrigation Overhead spray, bubbler, or drip IE = Irrigation Effieciency Value based on irrigation method

PR	= Precipitation Rate
	Value based on irrigation method
BIR	= Basic Infiltration Rate
	Infiltration rate based on type of soil
AW	= Available Water
	Amount of water per inch of soil
ava	lable to plant

assuming field-saturated condition RZ = Depth of Root Zone Depth placed on plant material

REFERENCE SCHEDULE

-	D		0												
Zone	Description To	emporary I	y?	Jan 0	Feb	Mar 1	Apr 3	May 3	Jun 4	Jul	Aug	Sep 4	Oct 1	Nov 1	
1	DRIPLINE-SHRUB	N	Cycles / Day	0	0	1	1	1	4	4	4	4	2		0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	21	16	23	22	23	20	16	16	7	0
	DRIPLINE-SHRUB		Irr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
2	Max Minutes / Cycle 24	N	Cycles / Day Min / Cycle	0		1 21	1 16	1 23	1 22	1 23	1 20	1 16	16		
			Irr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
3	BOBBLER-IKEE	N	Cycles / Day	0	0	1	1	1	1	1	1	1	2	1	0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	21	16	23	22	23	20	16	16	7	0
4	BUBBLER-TREE	N	Cvcles / Dav	0		1	1	1	4	4	4	4	2		0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	21	16	23	22	23	20	16	16	7	0
	DRIPLINE-SHRUB		lrr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
5	Max Minutas / Ouclo	N	Cycles / Day	0		1	1	1	1	1		1	2		
			Irr. Days / Wk	0	0	1	3	3	4	4	4	4	10	1	0
6	DRIPLINE-SHRUB	N	Cycles / Day	0	0	1	1	1	1	1	1	1	2	1	0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	21	16	23	22	23	20	16	16	7	0
7	SPRAY ROTATOR-BIORETENTION	N	Irr. Days / Wk Cycles / Day	0		1	3	3	4	4	4	4			
,	Max. Minutes / Cycle 24		Min. / Cycle	0	0	22	17	13	24	13	21	17	18	7	0
	DRIPLINE-SHRUB		lrr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
8		N	Cycles / Day	0	0	1	1	1	1	1	1	1	2		0
	Iviax. Iviinutes / Cycle 24		Irr. Davs / Wk	0	0	1	3	23	4	23 4	20	4	10	1	0
9	BUBBLER-TREE	N	Cycles / Day	0	0	1	1	2	1	2	1	1	2	1	0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	22	17	13	24	13	21	17	18	7	0
10	SPRAY ROTATOR-BIORETENTION	N	Irr. Days / Wk	0		1 1	3	3	4	4	4	4	1		
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	22	17	13	24	13	21	17	18	7	0
			Irr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
11		N	Cycles / Day	0	0	1	1	2	1	2	1	1	2		0
	iviax. iviinutes / Cycle 24		IVIIN. / Cycle	0	0	22	1/ 3	13 3	24 4	13	21	1/ 4	18 1	/ 1	
12	DRIPLINE-SHRUB	N	Cycles / Day	0	0	1	1	1	1	1	1	1	2	1	0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	21	16	23	22	23	20	16	16	7	0
13	BUBBLER-TREE	N	Irr. Days / Wk Cycles / Day	0		1	3	3	4		4	4			
15	Max. Minutes / Cycle 24		Min. / Cycle	0	0	16	12	18	17	18	15	12	13	5	0
	BUBBLER-TREE		lrr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
14		N	Cycles / Day	0	0	1	1	1	1	1	1	1	2		0
	Max. Minutes / Cycle 24		Ivin. / Cycle Irr. Davs / Wk	0	0	21	16 3	23	 4	23 4	20	16	16	1	0
15	DRIPLINE-SHRUB	N	Cycles / Day	0	0	1	1	1	1	1	1	1	2	1	0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	21	16	23	22	23	20	16	16	7	0
16	DRIPLINE-SHRUB	N	Irr. Days / Wk	0		1	3	3	4	4	4	4	1		0
10	Max. Minutes / Cycle 24		Min. / Cycle	0	0	16	12	18	17	18	15	12	13	5	0
			lrr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
17		N	Cycles / Day	0	0	1	1	1	1	1	1	1	2		0
	Max. Minutes / Cycle 24		Ivin. / Cycle	0	0	21	3	23	 	23 4	20	4	16	1	
18	DRIPLINE-SHRUB	N	Cycles / Day	0	0	2	2	2	2	2	2	2	3	1	0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	21	16	24	23	24	20	17	22	14	0
10	BUBBLER-TREE	N	Irr. Days / Wk	0	0	1	3	3	4	4	4	4	1		0
19	Max. Minutes / Cycle 24		Min. / Cvcle	0	0	16	12	18	17	18	15	12	13	5	0
			lrr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
20		N	Cycles / Day	0	0	2	2	2	2	2	2	2	3		0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	21	16 3	24	23 4	24 4	20 4	17 4	22	14	0
21	SPRAY ROTATOR-BIORETENTION	N	Cycles / Day	0	0	1	1	2	1	2	1	1	2		0
	Max. Minutes / Cycle 24	L	Min. / Cycle	0	0	22	17	13	24	13	21	17	18	7	0
	BUBBLER-TREE	N	Irr. Days / Wk	0	0	1	3	3	4	4	4	4	1		0
22	Max. Minutes / Cvcle 24	N	Oycies / Day Min, / Cvcle	0	0	21	16	23	22	23	20	16	16		0
			Irr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
23		N	Cycles / Day	0	0	1	1	1	1	1	1	1	2	1	0
	Iviax. Ivinutes / Cycle 24		Min. / Cycle	0	0	21 1	16	23	22 4	23 4	20 4	16 	16 1	7	
24	SPRAY ROTATOR-BIORETENTION	N	Cycles / Day	0	0	1	1	2	1	2	1	1	2		0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	22	17	13	24	13	21	17	18	7	0
	SPRAY ROTATOR-BIORETENTION	N.	Irr. Days / Wk	0	0	1	3	3	4	4	4	4	1		0
25	Max. Minutes / Cvcle 24	N .	Min, / Cvcle	0	0	22	17	∠ 13	24	∠ 13	21	17	∠ 18	7	0
			Irr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
26		N	Cycles / Day	0	0	1	1	1	1	1	1	1	2	1	0
<u> </u>	Iviax. Ivinutes / Cycle 24		Min. / Cycle	0		21 1	16	23	22 1	23 	20 	16 ⊿	16 1	7	
27	DRIPLINE-SHRUB	N	Cycles / Day	0	0	1	1	1	1	1	1	1	2		0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	21	16	23	22	23	20	16	16	7	0
20	SPRAY ROTATOR-BIORETENTION	N.	Irr. Days / Wk	0	0	1	3	3	4	4	4	4	1		0
20	Max. Minutes / Cvcle 24	N .	Min. / Cvcle	0	0	22	17	∠ 13	24	∠ 13	21	17	∠ 18		0
			Irr. Days / Wk	0	0	1	3	3	4	4	4	4	1	1	0
29		N	Cycles / Day	0	0	1	1	1	1	1	1	1	2	1	0
	Max. Minutes / Cycle 24		Min. / Cycle	0		21 1	16 3	23	22 1	23 1	20 1	16 ⊿	16 1	7	
30	BUBBLER-TREE	N	Cycles / Day	0	0	1	1	1	1		1	1	2		0
	Max. Minutes / Cycle 24		Min. / Cycle	0	0	21	16	23	22	23	20	16	16	7	0
Total Irr	igation System Runtime (during estal	blishmen	t) Percent	age adjustm	ent:	150%									 T
operatio	m system runume per irrigation day (on)	ຼວແigie-si	Hrs	0.0	0.0	4.8	3.7	5.4	5.1	5.4	4.6	3.7	7.5	1.6	0.0
Total	ination System Puntime (normal oper	ation)	l		1	i	i	I		ı	ı	1	I	1	<u>.</u>
Maximu	m system runtime per irrigation day (single-s	tation						<u> </u>						
operatio	on)		Hrs	0.0	0.0	3.2	2.5	3.6	3.4	3.6	3.1	2.5	5.0	1.1	0.0

PAW = Plant Available Water Water available to plant based on root zone, depth, & soil type MAD = Management Allowable Depletion Percentage of plant available water allowed to be depleted from usable soil profile AD = Allowable Depletion Plant available water allowed to be lost to

avoid reaching permanent wilting point

	MAWA	= (ETo) (0.62) = (49.1) (0.62) = (49.1) (0.62) = (49.1) (0.62)) [(ETAF X LA)) [(.45 X 36,55) [(16,447.95)) (16,447.95)	+ ((1-ETAF) X SLA)] 1) + ((.55) X 0)] + (0)]				
						ns Per Year		
	ETWU	= (ETo) (PF)	(HA) (0.62)	VATER USE (VU)		-
	WATER USE	(IE))					
	TREE (Mediu	EPLANTING AR um water use-Bu	EAS ubbler)	<u>(49.1) (.40) (2,675) (.62)</u> (0.81)	= 4	0,214 Gallons P	Per Year	
	SHRU (Low v	JB PLANTING A water use-Driplin	REAS ne)	<u>(49.1) (.30) (20,111) (.62)</u> (0.81)	= 2	26,748 Gallons I	Per Year	
	BIORI (Medii	ETENTION ARE um water use-Sp	AS oray Rotator)	<u>(49.1) (.40) (13,765) (.62)</u> (0.75)	= 2	23,485 Gallons I	Per Year	
	TOTAL EST	IMATED WATE	ER USE (ETW	/U): 490,447 Gallons Per Ye	ar			
	<u>SUMMARY:</u> (ETWU) <u>: 490</u>),447 Gallons Pe	<u>r Year</u> IS LE	SS THAN (MAWA): <u>500,708</u>	Gallons P	er Year		
	Calculations I Dep ETO = R ETAF = .4 LA = La 0.62 = Cd PF = Pl SLA = Sp HA = Hy IE = Irr City of Stockt 49.1 Inches p Tree area bas Total Irrigated	pased on Califor partment of Wate eference evapoti 5 for non-resider andscape area (s onversion factor lant Factor (0-0.1 pecial Landscape ydrozone Area (s rigation Efficienc con per year sed on 25 square	nia Department r Resources an ranspiration (ind ntial areas, .55 square feet) (to gallons per 1 Very Low, 0.2 e Area (square square feet) y (0.75 for Spra e feet per tree	t of Water Resources Title 23, <i>A</i> ad WUCOLS III (Water Use Clas ches/year) for residential areas (ET adjust square foot) -0.3 Low, 0.4-0.6 Medium, 0.7- feet) ay Heads and 0.81 for Drip/Bubl	Appendix <i>A</i> ssification ment facto 1.0 High p blers)	A Reterence Eva s of Landscape S or) lant water usage	apotranspiration Table Species) guide. e, 1.0 SLA)	',
		LANGSCAPE ARE	ea = 36,551 sq. IDSCA RIGATED LAN	ft. PE SUMMAF DSCAPE AREA	RY 36,551 S	F		
		LAN TOTAL IRI MAXIMUM ESTIMATE	ea = 36,551 sq. IDSCA RIGATED LANI I APPLIED WA ED TOTAL WAT	ft. DESCAPE AREA TER ALLOWANCE (MAWA) TER USE (ETWU)	RY 36,551 Si 500,708 (490,447 (F GALLON/YR GALLON/YR		
		LAN TOTAL IRI MAXIMUM ESTIMATE	Pa = 36,551 sq. IDSCA RIGATED LANI APPLIED WA ED TOTAL WAT	ft. DESCAPE AREA TER ALLOWANCE (MAWA) TER USE (ETWU)	RY 36,551 Si 500,708 (490,447 (F GALLON/YR GALLON/YR		
		LAN TOTAL IRI MAXIMUM ESTIMATE	a = 36,551 sq.	ft. TER SUMMAF DSCAPE AREA TER ALLOWANCE (MAWA) TER USE (ETWU)	RY 36,551 Si 500,708 (490,447 (F GALLON/YR GALLON/YR	Signer Signer State No.51 Signer Signer Signer Signer Signer Signer Signer	CAPEA ORBUT 595 Julie Journe Journe Journe Journe Journe Journe
E COMPLIE ER EFFICIE Y THEM FO ANDSCAP	ED WITH THE CH ENT LANDSCAPE OR THE EFFICIE PE AND IRRIGAT	LANDSCAPE ARE LANDSCAPE ARE TOTAL IRI MAXIMUM ESTIMATE STIMATE	THE MODEL E AND VATER IN PLANS.	ft. PE SUMMAF DSCAPE AREA TER ALLOWANCE (MAWA) TER USE (ETWU) NEW SEC	RY 36,551 SI 500,708 (490,447 (490,447 (F GALLON/YR GALLON/YR	DATE SIGNED	CAPEN 0R807 595 595 595 595 595 595 595 595 595 59
E COMPLIE ER EFFICIE Y THEM FO ANDSCAP	ED WITH THE CI ENT LANDSCAPE OR THE EFFICIE PE AND IRRIGAT	LANGSCAPE ARE LAN TOTAL IRI MAXIMUM ESTIMATE	THE MODEL E AND VATER IN PLANS.	ft. APE SUMMAF DSCAPE AREA TER ALLOWANCE (MAWA) TER USE (ETWU) NEW SEC IRRIGA	RY 36,551 SI 500,708 C 490,447 C 490,447 CUREI AT N TION	F GALLON/YR GALLON/YR	DATE SIGNED DATE SIGNED PARKING LO HALL	CAPEN 0R807595 595 595 595 595 595 595 595 595 595
E COMPLIE ER EFFICIE Y THEM FO ANDSCAP	ED WITH THE CP ENT LANDSCAPE OR THE EFFICIE PE AND IRRIGAT	LAN TOTAL IR MAXIMUM ESTIMATE	THE MODEL E AND WATER IN PLANS.	ft. APE SUMMAF DSCAPE AREA TER ALLOWANCE (MAWA) TER USE (ETWU) NEW SEC IRRIGA DEPA CITY	RTMEI 0F S'	F GALLON/YR GALLON/YR O STAFF F EW CITY N CALC VT OF PUE TOCKTON.	DATE SIGNED DATE SIGNED PARKING LO HALL CULATIO	CAPEA 0RBUP 595 $JJJJJJJJ$
E COMPLIE ER EFFICIE Y THEM FC ANDSCAP	ED WITH THE CP ENT LANDSCAPE OR THE EFFICIE PE AND IRRIGAT	LAN TOTAL IRI MAXIMUM ESTIMATE	THE MODEL EAND VATER IN PLANS.	ft. PE SUMMAP DSCAPE AREA TER ALLOWANCE (MAWA) TER USE (ETWU) NEW SEC IRRIGA DEPA CITY SCALE AS S DESIGNED BY	RTMEI 0F 0F 0F 0F 0F 0F 0F 0F 0F 0F	F SALLON/YR SALLON/YR O STAFF F EW CITY N CALC NT OF PUE TOCKTON, APPROVED BY:	DATE SIGNED DATE SIGNED DATE SIGNED DATE SIGNED DATE SIGNED DATE SIGNED DATE SIGNED DATE SIGNED DATE SIGNED	CAPEN ORBUT 595 Jule Joint Joint CALIFOR DI DI DI DI SHE I

ANT WATER USE	SUN EXPOSURE	IRRIGATION METHOD
= HIGH (0.7-1.0) = MEDIUM (0.4-0.6) = LOW/VERY LOW (0.1-0.3)	H = HIGH: SUN ALL DAY/ALMOST ALL DAY M= MEDIUM: MIXTURE OF SUN AND SHADE L = LOW: SHADE ALL DAY/ALMOST ALL DAY	B = BUBBLER D = DRIP M = MICRO-SPRAY R = ROTOR S = SPRAY O = OTHER

HYDROZONE 1		HYD	ROZONE 2					HYDROZONE 3		
SQUARE FOOTAGE:	2056 SF	SQL	JARE FOOTAGE:	1630 SF				SQUARE FOOTAGE:	175 SF (25 SF PER TREE)	
PLANT WATER USE:	L	PLA	NT WATER USE:	M				PLANT WATER USE:	M 0.40	
SUN EXPOSURE:	0.30 H	SUN	N EXPOSURE:	0.40 H				SUN EXPOSURE:	0.40 H	
IRRIGATION METHOD:	DRIPLINE	IRRI	IGATION METHOD:	DRIPLINE				IRRIGATION METHOD:	BUBBLER	
PLANT MATERIAL:	SHRUB & GROUNDCOVER	PLA	NT MATERIAL:	SHRUB &	GROUNE	COVER		PLANT MATERIAL:	TREE	
IYDROZONE 4		HYD	ROZONE 5					HYDROZONE 6		
SQUARE FOOTAGE:	250 SF (25 SF PER TREE)	SQL	JARE FOOTAGE:	1463 SF				SQUARE FOOTAGE:	1821 SF	
PLANT WATER USE:	M 0.40	PLA PLA	NT WATER USE:	M 0.40				PLANT WATER USE:	M 0.40	
SUN EXPOSURE:	H	SUN	N EXPOSURE:	н.				SUN EXPOSURE:	H	
IRRIGATION METHOD:	BUBBLER	IRRI	IGATION METHOD:	DRIPLINE				IRRIGATION METHOD:	DRIPLINE	
PLANT MATERIAL:	TREE	PLA	NT MATERIAL:	SHRUB &	GROUNE	COVER		PLANT MATERIAL:	SHRUB & GROUNDCOVER	
IYDROZONE 7		HYD	ROZONE 8					HYDROZONE 9		
SQUARE FOOTAGE:	1859 SF	SQU	JARE FOOTAGE:	636 SF				SQUARE FOOTAGE:	475 SF (25 SF PER TREE)	
PLANT WATER USE: PLANT FACTOR:	M 0.40	PLAN PLAN	NT WATER USE: NT FACTOR:	M 0.40				PLANT WATER USE: PLANT FACTOR:	M 0.40	
SUN EXPOSURE:	H	SUN	EXPOSURE:	H				SUN EXPOSURE:	H	
IRRIGATION METHOD:	SPRAY ROTATOR	IRRIG	GATION METHOD:	DRIPLINE				IRRIGATION METHOD:	BUBBLER	
PLANT MATERIAL:	BIORETENTION GRASS	PLAN	NT MATERIAL:	SHRUB &	GROUND	COVER		PLANT MATERIAL:	TREE	
IYDROZONE 10		HYD	ROZONE 11					HYDROZONE 12		
SQUARE FOOTAGE:	1671 SF	SQL	JARE FOOTAGE:	1173 SF				SQUARE FOOTAGE:	615 SF	
PLANT WATER USE:	M 0.40		NT FACTOR	M 0 40				PLANT WATER USE:	M 0 40	
SUN EXPOSURE:	H	SUN	N EXPOSURE:	ы.40 Н				SUN EXPOSURE:	H	
IRRIGATION METHOD:	SPRAY ROTATOR	IRRI	IGATION METHOD:	SPRAY R	OTATOR					
PLANT MATERIAL:	BIORETENTION GRASS	PLA	NT MATERIAL:	BIORETE	NTION GF	ASS		PLANT MATERIAL:	SHRUB & GROUNDCOVER	
IYDROZONE 13		HYD	ROZONE 14					HYDROZONE 15		
SQUARE FOOTAGE:	175 SF (25 SF PER TREE)	SQL	JARE FOOTAGE:	150 SF (2	5 SF PER	REE)		SQUARE FOOTAGE:	1536 SF	
PLANT WATER USE:	M 0.40		NT WATER USE:	M 0 40				PLANT WATER USE:	M 0.40	
SUN EXPOSURE:	H	SUN	N EXPOSURE:	0.40 H				SUN EXPOSURE:	H	
IRRIGATION METHOD:	BUBBLER	IRRI	IGATION METHOD:	BUBBLER				IRRIGATION METHOD:	DRIPLINE	
PLANT MATERIAL:	TREE	PLA	NT MATERIAL:	BIORETE	NTION GF	ASS		PLANT MATERIAL:	SHRUB & GROUNDCOVER	
YDROZONE 16	657 SE			550 SE (2				HYDROZONE 18	368 SE	
PLANT WATER USE:	L	PLA	INT WATER USE:	550 SF (2 M	J OF PER	IREE)		PLANT WATER USE:	500 SF	
PLANT FACTOR:	0.30	PLA	NT FACTOR:	0.40				PLANT FACTOR:	0.30	
SUN EXPOSURE:	H DRIDI INF	SUN		H BUBBI EB)			SUN EXPOSURE:	H DRIDI INF	
PLANT MATERIAL:	SHRUB & GROUNDCOVER	PLA	ISATION METHOD: INT MATERIAL:	TREE	N			PLANT MATERIAL:	SHRUB & GROUNDCOVER	
IYDROZONE 19		HYD	ROZONE 20					HYDROZONE 21		
SQUARE FOOTAGE:	300 SF (25 SF PER TREE)	SQL	UARE FOOTAGE:	368 SF				SQUARE FOOTAGE:	2070 SF	
PLANT WATER USE:	L 0.40	PLA DI A	ANT WATER USE:	L 0 30				PLANT WATER USE:	M 0.40	
SUN EXPOSURE:	H	SUN	N EXPOSURE:	н. Н				SUN EXPOSURE:	H	
IRRIGATION METHOD:	BUBBLER	IRRI	IGATION METHOD:					IRRIGATION METHOD:		
	IREE	PLA חעע		SHRUB &	GKUUNE	UUVER			BIUKETENTION GRASS	
SQUARE FOOTAGE:	225 SF (25 SF PER TREE)	SQL	JARE FOOTAGE:	416 SF				SQUARE FOOTAGE:	1843 SF	
PLANT WATER USE:	Μ	PLA	NT WATER USE:	Μ				PLANT WATER USE:	Μ	
PLANT FACTOR:	0.40 H	PLA		0.40 ⊔				PLANT FACTOR:	0.40 H	
IRRIGATION METHOD:	BUBBLER	SUN	IGATION METHOD:	n Driplinf				IRRIGATION METHOD:	SPRAY ROTATOR	
PLANT MATERIAL:	TREE	PLA	NT MATERIAL:	SHRUB &	GROUNE	COVER		PLANT MATERIAL:	BIORETENTION GRASS	
YDROZONE 25		HYD	ROZONE 26							
SQUARE FOOTAGE:	2596 SF	SQL	JARE FOOTAGE:	1399 SF						
PLANT WATER USE:	M	PLA	NT WATER USE:	M						
PLANT FACTOR: SUN EXPOSURF:	0.40 H	PLA	NT FACTOR:	0.40 H						
IRRIGATION METHOD:	SPRAY ROTATOR	IRRI	IGATION METHOD:	DRIPLINE	E					
PLANT MATERIAL:	BIORETENTION GRASS	PLA	NT MATERIAL:	SHRUB &	GROUNE	COVER				
										LIDSCA
										S. NORBUT
										No.5595 7
										Signature
										Exp. 11/30/24
										TEOF CALIFOR
							EL			DATE SIGNED: <u>11/16</u>
		APPLY TH	FRUIENT LANDS		SE OF W	AND ATER IN				
		THE LAND	DSCAPE AND IRRI		ESIGN F	LANS.			AT NEII CITY U/	
		ŀ	VIOLAND	Ţ.						τ⊨ ⊨
		ROBERT J	J. NORBUTAS, JR.	, RLA 5598	5			HY HY	DROZONE	PLAN
		Revision	Description		Date	Bu A	pprvd.	DEPA	ARTMENT OF PUBLI	C WORKS
		N0.				⁻ 3	ву	CITY	' OF STOCKTON, CA	LIFORNIA

SCALE

DESIGNED BY

CHECKED BY

RECORD DWGS.

DRAWN BY

AS SHOWN APPROVED BY:

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RJN

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SHEET NO.

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OF 48 SHEET

11/15/23

DATE

LALAS AHITAN

CITY ENGINEER

STOCKTON. CALIFORNIA

ANT WATER USE	SUN EXPOSURE	IRRIGATION METHOD
= HIGH (0.7-1.0) = MEDIUM (0.4-0.6) = LOW/VERY LOW (0.1-0.3)	H = HIGH: SUN ALL DAY/ALMOST ALL DAY M= MEDIUM: MIXTURE OF SUN AND SHADE L = LOW: SHADE ALL DAY/ALMOST ALL DAY	B = BUBBLER D = DRIP M = MICRO-SPRAY R = ROTOR S = SPRAY O = OTHER

PLANT WATER USE:	M
PLANT FACTOR:	0.40
SUN EXPOSURE:	Н
IRRIGATION METHOD:	BUBBLER
PLANT MATERIAL:	TREE
HYDROZONE 20	
SQUARE FOOTAGE:	348 SF
PLANT WATER USE:	L
PLANT FACTOR:	0.30
SUN EXPOSURE:	Н
IRRIGATION METHOD:	DRIPLINE
	SHRUB & GROUNDCOVER

SQUARE FOOTAGE:	3284 SF
PLANT WATER USE:	L
PLANT FACTOR:	0.30
SUN EXPOSURE:	Н
IRRIGATION METHOD:	DRIPLINE
PLANT MATERIAL:	SHRUB & GROUNDCOVER

HYDROZONE 19

SQUARE FOOTAGE:	287 SF	SQU
PLANT WATER USE:	L	PLA
PLANT FACTOR:	0.30	PLA
SUN EXPOSURE:	Н	SUN
IRRIGATION METHOD:	DRIPLINE	IRRI
PLANT MATERIAL:	SHRUB & GROUNDCOVER	PLA
HYDROZONE 27		HYD
SQUARE FOOTAGE:	3227 SF	HYD SQU
SQUARE FOOTAGE: PLANT WATER USE:	3227 SF L	HYD SQU PLAI
SQUARE FOOTAGE: PLANT WATER USE: PLANT FACTOR:	3227 SF L 0.30	HYD SQU PLAI PLAI
SQUARE FOOTAGE: PLANT WATER USE: PLANT FACTOR: SUN EXPOSURE:	3227 SF L 0.30 H	HYD SQU PLAI PLAI SUN
HYDROZONE 27 SQUARE FOOTAGE: PLANT WATER USE: PLANT FACTOR: SUN EXPOSURE: IRRIGATION METHOD:	3227 SF L 0.30 H DRIPLINE	HYD SQU PLAI PLAI SUN IRRI
HYDROZONE 27 SQUARE FOOTAGE: PLANT WATER USE: PLANT FACTOR: SUN EXPOSURE: IRRIGATION METHOD: PLANT MATERIAL:	3227 SF L 0.30 H DRIPLINE SHRUB & GROUNDCOVER	HYD SQU PLAI PLAI SUN IRRI PLAI

ANT WATER USE: L ANT FACTOR: N EXPOSURE: RIGATION METHOD: BUBBLER ANT MATERIAL:

JARE FOOTAGE: 175 SF (25 SF PER TREE) 0.40 н TREE

DROZONE 28 UARE FOOTAGE: 2553 SF

WATER USE:	М
FACTOR:	0.40
XPOSURE:	Н
TION METHOD:	SPRAY ROTATOR
MATERIAL:	BIORETENTION GRASS

HYDROZONE 30

SQUARE FOOTAGE:	150 SF (25 SF PER TREE)
PLANT WATER USE:	Μ
PLANT FACTOR:	0.40
SUN EXPOSURE:	Н
IRRIGATION METHOD:	BUBBLER
PLANT MATERIAL:	TREE

NO.5595 Signature Exp. 11/30/24
ATE SIGNED: 11/16/23

102 max ROBERT J. NORBUTAS, JR., RLA 5595

I HAVE COMPLIED WITH THE CRITERIA OF THE MODEL

WATER EFFICIENT LANDSCAPE ORDINANCE AND

APPLY THEM FOR THE EFFICIENT USE OF WATER IN

THE LANDSCAPE AND IRRIGATION DESIGN PLANS.

NEW SECURED STAFF PARKING LOT AT NEW CITY HALL

HYDROZONE PLAN - BID ALT

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	Revision No.	Description	Date	By	Apprvd. By		DEPARTME CITY OF S	ENT OF PUB STOCKTON, (LIC WORKS CALIFORNIA		Controd Ct.
ר						SCALE	AS SHOWN	APPROVED BY:	11/15/23	SHEET NO.	
						DESIGNED BY	AYM	_	DATE	L1.6	1716
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IGN						RECORD DWGS.		STOCKTON	, CALIFORNIA	E016015-A	- - -

PLANTING NOTES

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- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE SURFACE DRAINAGE AT 2% MINIMUM IN PLANTING AREAS EXCEPT WHERE SHOWN.
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- 8. THE CONTRACTOR TO BE RESPONSIBLE FOR OBTAINING A SOILS TEST AND PROVIDING THE APPROPRIATE AMENDMENTS BASED ON THE TEST RESULTS. A COPY OF THE SOILS TESTING SHALL BE PROVIDED TO THE LANDSCAPE ARCHITECT, CITY OF STOCKTON COMMUNITY DEVELOPMENT DEPARTMENT AND BE ATTACHED TO THE JOB SITE COPY OF THE LANDSCAPE PLANS, FOR INSPECTION PURPOSES.
- 9. FINISH GRADE OF PLANTED AREAS TO BE ONE (1) INCH BELOW PAVING. WATER SOIL THOROUGHLY BEFORE PLANTING. ALL PLANTS SHALL BE SET AT SUCH A LEVEL THAT AFTER SETTLING THEY BEAR THE SAME RELATIONSHIP TO THE SURROUNDING FINISH GRADE AS THEY BORE TO THE SOIL LINE GRADE IN THE CONTAINER, UNLESS OTHERWISE NOTED.
- 10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE DRAINAGE OF ALL PLANTINGS, SUFFICIENT TO INSURE HEALTHY GROWTH.
- 11. COVER ALL PLANTING AREAS WITH A 3" DEPTH OF APPROVED BARK MULCH AFTER FINAL SHAPING OF SAUCERS AND DRESS OFF NEATLY.
- 12. TREES ARE TO BE STAKED PER DETAIL. INSTALL 10 LF. OF ROOTBARRIER CENTERED ON TREES WITHIN 5 FEET OF WALKS, WALLS OR BUILDINGS.
- 13. TRIANGULAR SPACING FOR GROUND COVER PLANTING BEDS.
- 14. A CERTIFICATE OF COMPLETION SHALL BE PROVIDED TO THE CITY OF STOCKTON COMMUNITY DEVELOPMENT DEPARTMENT, BY THE PROJECT LANDSCAPE ARCHITECT. THE CERTIFICATION SHALL INCLUDE ALL REQUIREMENTS AS NOTED IN SECTION 492.9 OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE.

TREE LEGEND

	LARGE SHADE TRE
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	MEDIUM SHADE TR
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	SMALL ACCENT TR
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\sim	STREET TREES
	(+)

EES	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	<u>QTY</u>
	ZEL SER	Zelkova serrata / Sawleaf Zelkova	15 gal	М	2
REES	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	<u>QTY</u>
	ACE OGL	Acer rubrum 'October Glory' / October Glory Red Maple	15 gal	Μ	24
	PRU ATR	Prunus cerasifera 'Atropurpurea' / Purple-leaf Plum	15 gal	L	6
	ROB ROB	Robinia pseudoacacia 'Purple Robe' / Purple Robe Black Locust	15 gal	L	33
REES	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	<u>QTY</u>
	LAG N40	Lagerstroemia indica x fauriei 'Natchez' / Natchez Crape Myrtle	15 gal	L	3
	LAG TUS	Lagerstroemia x `Tuscarora` / Crape Myrtle Coral Pink	15 gal	L	10
	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	<u>QTY</u>
	PLA YAR	Platanus x acerifolia 'Yarwood' / Yarwood London Plane Tree	15 gal	Μ	7

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3" thick layer minimum. Landscape planting areas within the project site to recieve chip bark mulch.

DECOMPOSED GRANITE FINE MULCH

BARK MULCH

EXISTING TREES To remain and be protected during construction.

SHRUB & G	ROUN	DCOVER LEGEND				
LARGE SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE		QTY
(+)	CIS PU2	Cistus x purpureus / Orchid Rockrose	5 gal	L		4
(+)	DOD PUR	Dodonaea viscosa 'Purpurea' / Purple Hopseed Bush	5 gal	L		16
MEDIUM SHRUBS		BOTANICAL / COMMON NAME	CONT	WATER USE		QTY
\bigotimes	CAL LJN	Callistemon viminalis 'Little John' / Little John Weeping Bottlebrush	5 gal	L		44
	COL SU3	Coleonema p. `Sunset Gold` / Golden Breath Of Heaven	5 gal	М		46
\bigotimes	PHO AMA	Phormium tenax `Amazing Red` / Dwarf Red Flax	5 gal	L		15
\bigcirc	RHA BA4	Rhaphiolepis indica 'Ballerina' / Ballerina Indian Hawthorn	5 gal	Μ		49
\odot	SAL BA3	Salvia leucantha `Santa Barbara` / Mexican Bush Sage	5 gal	L		48
SMALL SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE		QTY
$\textcircled{\bullet}$	DIE BI2	Dietes bicolor / Fortnight Lily	1 gal	L		34
\bigcirc	HEM ORO	Hemerocallis x `Stella de Oro` / Stella de Oro Daylily	1 gal	Μ		28
$\langle \bullet \rangle$	HES BR3	Hesperaloe parviflora `Brakelights` / Brakelights Red Yucca	1 gal	L		83
(+)	OST FR2	Osteospermum fruticosum / African Daisy	1 gal	L		64
GROUNDCOVER	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE		QTY
$\textcircled{\bullet}$	GAZ ASE	Gazania krebsiana 'Hantamberg Orange' / Hantamberg Orange Gazania	1 gal	М		89
ORNAMENTAL GRASSES	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE		QTY
રેંડ	LEY CAN	Leymus condensatus 'Canyon Prince' / Canyon Prince Giant Wild Rye	5 gal	L		31
*	MUH WHI	Muhlenbergia capillaris 'White Cloud' / White Cloud Muhly Grass	5 gal	L		69
BIORETENTION	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE		QTY
÷	CAR PRF	Carex testacea 'Prairie Fire' / Prairie Fire Orange Sedge	1 gal	Μ		65
	JUN EFF	Juncus effusus / Common Rush	Plug	М		286
BIORETENTION	CODE	BOTANICAL / COMMON NAME	<u>CONT</u>	WATER USE	<u>SPACING</u>	QTY
	FES NAT	Festuca x `Native Mow Free` / No-Mow turfgrass mix	sod			6,194 sf
GROUNDCOVERS	CODE	BOTANICAL / COMMON NAME	<u>CONT</u>	WATER USE	<u>SPACING</u>	QTY
	ARC EC2	Arctostaphylos x 'Emerald Carpet' / Emerald Carpet Manzanita	1 gal	Μ	60" o.c.	898 sf
	DYM MAR	Dymondia margaretae / Silver Carpet Dymondia	1 gal	L	24" o.c.	929 sf
	MYO PI2	Myoporum parvifolium 'Pink' / Pink Trailing Myoporum	1 gal	L	48" o.c.	1,721 sf
	VER BLU	Verbena Tapien hybrids 'Blue-Violet' / Tapien Blue-Violet Verbena	1 gal	М	36" o.c.	904 sf

NORA DATE SIGNED: <u>11/16/23</u>

NEW SECURED STAFF PARKING LOT AT NEW CITY HALL PLANTING LEGENDS & NOTES

	Revision No.	Description	Date	By	Apprvd. By		DEPARTME CITY OF S	ENT OF PUE STOCKTON,	BLIC WORKS CALIFORNIA	
)						SCALE	AS SHOWN	APPROVED BY:	11/15/23	SHEET NO.
						DESIGNED BY	AYM		DATE	L2.4
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						CHECKED BY	RJN ,	CITY		
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TREE LEGEND - BIDALT

LARGE SHADE TREES	CODE	BOTANICAL / COMMON NAME
+	ZEL SER	Zelkova serrata / Sawleaf Zelkova
MEDIUM SHADE TREES	CODE	BOTANICAL / COMMON NAME
+	ACE OGL ROB ROB	Acer rubrum 'October Glory' / Octol Robinia pseudoacacia 'Purple Robe
	BARK MULC 3" thick layer recieve chip	<u>CH</u> r minimum. Landscape planting areas bark mulch.

ACE OGL	Acer rubrum 'October Glory' / October Glory Red Maple	15 gal	Μ	4
ROB ROB	Robinia pseudoacacia 'Purple Robe' / Purple Robe Black Locust	15 gal	L	7
BARK MULC 3" thick layer recieve chip l	<u>H</u> minimum. Landscape planting areas within the project site to park mulch.			
DECOMPOS	ED GRANITE FINE MULCH			
EXISTING To remain	TREES and be protected during construction.			

CONT WATER USE QTY

<u>CONT</u> <u>WATER USE</u> <u>QTY</u>

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15 gal M

Revision No.

LARGE SHRUBS

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BIORETENTION

GROUNDCOVERS

BIORETENTION

SMALL SHRUBS

MEDIUM SHRUBS

SHRUB & GROUNDCOVER LEGEND - PHASE 2

CODE	BOTANICAL / COMMON NAME	<u>CONT</u>	WATER USE		<u>QTY</u>
DOD PUR	Dodonaea viscosa 'Purpurea' / Purple Hopseed Bush	5 gal	L		26
HET ARB	Heteromeles arbutifolia / Toyon	15 gal	VL		26
<u>CODE</u> CAL LJN	BOTANICAL / COMMON NAME Callistemon viminalis 'Little John' / Little John Weeping Bottlebrush	<u>CONT</u> 5 gal	<u>WATER USE</u> L		<u>QTY</u> 23
RHA BA4	Rhaphiolepis indica 'Ballerina' / Ballerina Indian Hawthorn	5 gal	Μ		25
<u>CODE</u> HEM ORO	BOTANICAL / COMMON NAME Hemerocallis x `Stella de Oro` / Stella de Oro Daylily	<u>CONT</u> 1 gal	<u>WATER USE</u> M		<u>QTY</u> 41
OST FR2	Osteospermum fruticosum / African Daisy	1 gal	L		31
	BOTANICAL / COMMON NAME	<u>CONT</u>	WATER USE		<u>QTY</u>
CAR PRF	Carex testacea 'Prairie Fire' / Prairie Fire Orange Sedge	1 gal	Μ		29
JUN EFF	Juncus effusus / Common Rush	Plug	М		84
CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	<u>SPACING</u>	QTY
FES NAT	Festuca x `Native Mow Free` / No-Mow turfgrass mix	sod			1,225 sf
CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	SPACING	<u>QTY</u>
ARC EC2	Arctostaphylos x 'Emerald Carpet' / Emerald Carpet Manzanita	1 gal	М	60" o.c.	2,815 sf
DYM MAR	Dymondia margaretae / Silver Carpet Dymondia	1 gal	L	24" o.c.	544 sf
MYO PI2	Myoporum parvifolium 'Pink' / Pink Trailing Myoporum	1 gal	L	48" o.c.	248 sf

DATE SIGNED:<u>11/16/23</u>

				NE	W SECURE		PARKING LO	Ť
				PLAN [.]	TING L		DS & NOT	ES -
						BID AL	Γ	
Description	Date	Ву	Apprvd. By		DEPARTME CITY OF S	ENT OF PUE STOCKTON,	BLIC WORKS CALIFORNIA	
				SCALE	AS SHOWN	APPROVED BY:	11/15/23	SHEET NO.
				DESIGNED BY	AYM		DATE	L2.5
				DRAWN BY	AYM	Asis	Hurn	OF 48 SHEET
				CHECKED BY	RJN	CITY	ENGINEER	
				RECORD DWGS.		STOCKTO	N, CALIFORNIA	E016015-A

PARKING LOT SHADE PLAN

PARKING LOT AREAS NOTE:

1. PER GREEN BUILDING CODE STANDARDS 5.106.12.1 2. 50% TREE SHADING REQUIREMENT OVER PARKING AREAS WITHIN 15 YEARS.

3. SHADE PERCENTAGE FIGURES ARE BASED ON THE CANOPY SPREAD PER

CODE REQUIREMENTS. 4. TREE IS ASSUMED TO BE PLANTED FROM 15 GALLON CONTAINERS MINIMUM.

PARKING LOT SHADE CALCULATIONS

SHADE COVERAGE												
TREE TYPE	TYPE CANOPY 1 (100%) 2 (75%) 3 (50%) 4 (25%)											
Α	30'-35'	5 @ 962 SF=4,810		2 @ 481 SF= 962	11 @ 240 SF=2,640							
В	25'-30'		17 @ 530 SF=9,010	51 @ 354 SF=18,054								
С	20'-25'			3 @ 246 SF = 738								
D	15'-20'		6 @ 236 SF= 1,416	6 @ 157 SF= 942								
	TOTALS	4,810 SF	10,426 SF	20,696 SF	2,640 SF	38,572 S						

REPRESENTS PARKING AREA SHADING REQUIREMENTS.

LANDSCAPE AREAS NOTE:

1. PER GREEN BUILDING CODE STANDARD 5.106.12.3. 2. 20% TREE SHADING REQUIREMENT OVER LANDSCAPE AREAS WITHIN 15

YEARS.

3. SHADE PERCENTAGE FIGURES ARE BASED ON THE CANOPY SPREAD PER

CODE REQUIREMENTS. 4. TREE IS ASSUMED TO BE PLANTED FROM 15 GALLON CONTAINERS MINIMUM.

LANDSCAPE SHADE CALCULATIONS

SHADE COVERAGE												
TREE	TREE #	SHADE (SE)	TREE	TREE #	SHADE	TREE	TREE #	SHADE (SE)				
C	<u>т</u> Т1	407	B		221	B	π T75	16				
C	T2	445	B	T39	390	B	T76	16				
A	T3	24	A	T40	173	B	T77	168				
A	T4	106	B	T41	195	B	T78	168				
A	T5	52	A	T42	189	Α	T79	161				
B	T6	380	В	T43	180	С	T80	390				
A	T7	222	В	T44	177	В	T81	180				
C	T8	217	В	T45	16	В	T82	177				
C	T9	207	В	T46	16	В	T83	16				
A	T10	200	В	T47	16	В	T84	16				
В	T11	138	D	T48	56	В	T85	16				
В	T12	172	D	T49	56	D	T86	56				
В	T13	172	В	T50	16	D	T87	56				
Α	T14	178	В	T51	16	В	T88	16				
В	T15	230	В	T52	16	В	T89	168				
D	T16	138	В	T53	16	В	Т90	168				
D	T17	218	В	T54	16	A	T91	118				
D	T18	192	В	T55	166	С	T92	318				
А	T19	145	В	T56	16	A	Т93	495				
В	T20	442	В	T57	16	В	T94	339				
В	T21	229	В	T58	16	В	T95	339				
В	T22	221	В	T59	16	В	T96	339				
В	T23	229	В	T60	151	В	T97	339				
В	T24	221	В	T61	117	Α	T98	667				
D	T25	143	В	T62	117	A	Т99	310				
D	T26	135	A	T63	146	В	T100	381				
D	T27	140	В	T64	203	A	T101	644				
D	T28	135	В	T65	180	A	T102	624				
В	T29	229	В	T66	177	A	T103	678				
В	T30	221	В	T67	16	A	T104	641				
В	T31	229	В	T68	16	В	T105	284				
В	T32	221	В	T69	16	В	T106	284				
В	T33	402	D	T70	56	В	T107	284				
В	T34	298	D	T71	56							
В	T35	226	В	T72	16							
В	T36	304	В	T73	16							
В	T37	304	В	T74	16		Т	OTAL: 20,365				
TOTAL LANDSCAPE AREA 36,516 SF												
RE	REQUIRED SHADED AREA (20%) 7,303 SF											
PE	RCEN	T SHADED			56%							

TREES NOT APPLIED TO SHADE COVERAGE CALCULATION

(XX) TREE APPLIED TO SHADE COVERAGE CALCULATION

주주 다 REPRESENTS LANDSCAPE AREA REQUIRED TO MEET SHADING REQUIREMENTS.

HARDSCAPE SHADE PLAN

HARDSCAPE AREAS NOTE: 1. PER GREEN BUILDING CODE STANDARD 5.106.12.3. 2. 20% TREE SHADING REQUIREMENT OVER WALKS AND HARDSCAPE AREAS WITHIN 15 YEARS.

3. SHADE PERCENTAGE FIGURES ARE BASED ON THE CANOPY SPREAD PER

CODE REQUIREMENTS. 4. TREE IS ASSUMED TO BE PLANTED FROM 15 GALLON CONTAINERS MINIMUM. HARDSCAPE SHADE CALCULATIONS

TYPE	TREE #	SHADE (SF)								
Α	T1	8								
Α	T2	179	_							
С	Т3	131								
Α	T4	73	-							
В	T5	28								
А	T6	42								
А	T7	75								
С	Т8	123								
A	Т9	53								
D	T10	30								
D	T11	30	_							
D	T12	30								
D	T13	30	-							
		TOTAL: 832								
				25						
AL HAR	DSCAP	E AREA	1,417 \$	וכ						
AL HAR	DSCAP	E AREA REA	1,417 S	:						NDSCA
AL HAR AL SHA UIRED	DED AF	E AREA REA D AREA (20%)	1,417 \$ 832 SF				-			ANDSCA J.NOR
AL HAR	DED AF	E AREA REA D AREA (20%)	1,417 S 832 SF) 283 SF					N	EENSE)	NDSCA J. NOR No.5595
AL HAR AL SHA UIRED CENT S	DED AF SHADE	E AREA REA D AREA (20%)	1,417 S 832 SF) 283 SF 59%	; ; / 0				\$	ROBENSE	ANDSCA J. NOA No.5595
AL HAR AL SHA UIRED CENT S	DED AF SHADE HADED ME	E AREA REA D AREA (20%) ETS CODE REQUIR	1,417 S 832 SF) 283 SF 59% REMENTS	/ 0				•	THE ENSE	ANDSCA J. NO No.5595
AL HAR AL SHA UIRED CENT S	DED AF SHADE HADED ME TREES	E AREA REA D AREA (20%) ETS CODE REQUIF	1,417 S 832 SF 283 SF 59% REMENTS D SHADE	- - 0		01			S + LOENSE	ANDSCA J. NOA No.5599 Vice Signatu =xp. 11/3
AL HAR AL SHA UIRED CENT S	DED AF SHADE HADED ME TREES COVER	E AREA REA D AREA (20%) TS CODE REQUIR NOT APPLIED TO AGE CALCULATI	1,417 S 832 SF) 283 SF 59% REMENTS O SHADE ON	0		0'	30' 60'	120'	415 * 16ENSE	NDSCA J. NOR No.5595 Signatu Exp. 11/3 E OF CA
AL HAR AL SHA UIRED CENT S	DED AF SHADE HADED ME TREES COVER	E AREA REA D AREA (20%) ETS CODE REQUIR NOT APPLIED TO AGE CALCULATI	1,417 S 832 SF) 283 SF 59% REMENTS O SHADE ON			0'	30' 60' SCALE: 1"=6	120'	ALICENSCI ALICEN	NDSCA J. NOR No.5598 Signatu Exp. 11/30 E OF CA
AL HAR AL SHA UIRED CENT S	DED AF SHADE HADED TREES COVER TREE A COVER	E AREA REA D AREA (20%) ETS CODE REQUIF NOT APPLIED TO AGE CALCULATI AGE CALCULATI	1,417 S 832 SF) 283 SF 59% REMENTS O SHADE ON DE	- - 0		0'	30' 60' SCALE: 1"=6) 120' 0'	DATE S	NDSCA J. NOR No.5595 Joz Signatu Exp. 11/30 EOF CA
AL HAR AL SHA UIRED CENT S	DED AF SHADE HADED TREES COVER TREE A COVER	E AREA REA D AREA (20%) TS CODE REQUIE NOT APPLIED TO AGE CALCULATI AGE CALCULATI	1,417 S 832 SF 283 SF 59% REMENTS O SHADE ON DE ION	0		0'	30' 60' SCALE: 1"=6			NDSCA J. NOR No.5599 Signatu Exp. 11/3 EOF CA
AL HAR AL SHA UIRED CENT S	DED AF SHADE HADED TREES COVER TREE A COVER	E AREA REA D AREA (20%) ETS CODE REQUIP NOT APPLIED TO AGE CALCULATI PPLIED TO SHAE AGE CALCULATI	1,417 S 832 SF 283 SF 59% REMENTS D SHADE ON DE ION REA	- - 0		0' N	30' 60' SCALE: 1"=6 EW SECUR	0' ED STAFF	DATE S	NDSCA J. NOR No.5595 Signatu Exp. 11/30 EOF CA
AL HAR AL SHA UIRED CENT S	DED AF SHADE HADED HADED TREES COVER TREE A COVER REPRES REQUIF SHADIN	E AREA REA D AREA (20%) ETS CODE REQUIR NOT APPLIED TO AGE CALCULATION PPLIED TO SHAL AGE CALCULATION SENTS PAVED A RED TO MEET G REQUIREMEN	1,417 S 832 SF 283 SF 59% REMENTS O SHADE ON DE ION REA ITS.	0		0' N	30' 60' SCALE: 1"=6 SECUR AT		DATE S	NDSCA J. NOR No.5595 Signatu Exp. 11/3 SIGNED: 1
AL HAR AL SHA UIRED CENT S	DED AF SHADE HADED HADED TREES COVER TREE A COVER REPRES REQUIF SHADIN	E AREA REA D AREA (20%) ETS CODE REQUIP NOT APPLIED TO AGE CALCULATI PPLIED TO SHAI AGE CALCULATI SENTS PAVED A ED TO MEET G REQUIREMEN	1,417 S 832 SF 283 SF 59% REMENTS O SHADE ON DE ION REA ITS.	6		0' N	30' 60' SCALE: 1"=6 EW SECUR AT		DATE S PARKING HALL	NDSCA J. NOR No.5595 Signatu Exp. 11/30 EOF CA
AL HAR AL SHA UIRED CENT S	DED AF SHADE HADED ME TREES COVER TREE A COVER REPRES REQUIF SHADIN	E AREA REA D AREA (20%) ETS CODE REQUIP NOT APPLIED TO AGE CALCULATI PPLIED TO SHAE AGE CALCULATI SENTS PAVED A RED TO MEET G REQUIREMEN	1,417 S 832 SF) 283 SF 59% REMENTS O SHADE ON DE ION REA ITS.	0		° N SHA	30' 60' SCALE: 1"=6' SCALE: 1"=6'		DATE S PARKING HALL	NDSCA J. NOR No.5595 Signatur ENDE 11/30 SIGNED: 11 SIGNED: 11 SIG
AL HAR AL SHA UIRED CENT S XX XX	DED AF SHADE HADED HADED TREES COVER TREE A COVER REPRES REQUIF SHADIN	E AREA REA D AREA (20%) ETS CODE REQUIP NOT APPLIED TO AGE CALCULATION PPLIED TO SHAL AGE CALCULATION SENTS PAVED A RED TO MEET G REQUIREMEN	1,417 S 832 SF) 283 SF 59% REMENTS D SHADE ON DE ION REA NTS.	Dat	Apprvd.	o' N SHA	30' 60' SCALE: 1"=6 SCALE: 1"=	D STAFF NEW CITY LCULA	DATE S PARKING HALL TIONS	NDSCA No.5595 Signatur ENDED: 11/30 SIGNED: 1 SIGNED: 1 SIGNED: 1 SIGNED: 1 SIGNED: 1 SIGNED: 1 SIGNED: 1
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AL HAR AL SHA UIRED CENT S XX XX	DED AF SHADE HADED TREES COVER TREE A COVER REQUIF SHADIN	E AREA REA D AREA (20%) ETS CODE REQUIP NOT APPLIED TO AGE CALCULATI PPLIED TO SHAI AGE CALCULATI SENTS PAVED A ED TO MEET G REQUIREMEN	1,417 S 832 SF 283 SF 59% REMENTS D SHADE ON DE ION REA ITS.	By	Apprvd. By	o' N SHA SCALE	30' 60' SCALE: 1"=6 SCALE: 1"=	120' O' ED STAFF NEW CITY LCULA ENT OF PI STOCKTON,	DATE S DATE S PARKING HALL TIONS UBLIC WOR CALIFORN	NDSCA No.5595 Signatu Exp. 11/3 FOF CA SIGNED: 1 SIGNED:
AL HAR AL SHA UIRED CENT S XX XX	DED AF SHADE HADED TREES COVER TREE A COVER REQUIF SHADIN	E AREA REA D AREA (20%) ETS CODE REQUIP NOT APPLIED TO AGE CALCULATION PPLIED TO SHAL AGE CALCULATION SENTS PAVED A RED TO MEET G REQUIREMEN	1,417 S 832 SF 283 SF 59% REMENTS D SHADE ON DE ION REA NTS.	By	Apprvd. By	o' N SHA SCALE DESIGNED BY	30' 60' SCALE: 1"=6 SCALE: 1"	120' o' ED STAFF NEW CITY LCULA ENT OF PI STOCKTON, APPROVED BY	DATE S DATE S PARKING HALL TIONS UBLIC WOR CALIFORN (11/15/ DATE)	NDSCA No.5595 Signatur EVOF CA SIGNED: 1 SIGNED: 1 SIGNE
AL HAR AL SHA UIRED CENT S XX XX	DED AF SHADE HADED TREES COVER, TREE A COVER, REPRES REQUIF SHADIN	E AREA REA D AREA (20%) TS CODE REQUIE NOT APPLIED TO AGE CALCULATI PPLIED TO SHAE AGE CALCULATI SENTS PAVED A ED TO MEET G REQUIREMEN	1,417 S 832 SF 283 SF 59% REMENTS D SHADE ON DE ION .REA JTS.	By	Apprvd. By	O' N SHA SCALE DESIGNED BY DRAWM BY	30' 60' SCALE: 1"=6 SCALE: 1"=	120' O' ED STAFF NEW CITY LCULA ENT OF PO STOCKTON, APPROVED BY	DATE S DATE S PARKING HALL TIONS UBLIC WOR CALIFORN TITIS	NDSCA No.5595 Signatu Signatu FOF CA SIGNED: 1 SIGNED: 1
AL HAR AL SHA UIRED CENT S XX XX	DED AF SHADE HADED TREES COVER TREE A COVER REQUIF SHADIN	E AREA REA D AREA (20%) ETS CODE REQUIP NOT APPLIED TO AGE CALCULATION PPLIED TO SHAL AGE CALCULATION SENTS PAVED A ED TO MEET G REQUIREMEN	1,417 S 832 SF 283 SF 59% REMENTS D SHADE ON DE ION REA NTS. Date	By	Apprvd. By	O' N SHA SCALE DESIGNED BY DRAWN BY CHECKED DY	30' 60' SCALE: 1"=6 SCALE: 1"=	IZO' O' ED STAFF NEW CITY LCULA ENT OF PO STOCKTON, APPROVED BY	DATE S DATE S PARKING HALL TIONS UBLIC WOR CALIFORN S DATE DATE	NDSCA No.5595 Signatur ENDECA SIGNED: 1 SIGNED: 1 SIGNED

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GTH FIN ER	I OF SENSO GS OR TURI OF STRAIGI	R MUST BE 10X PIPE I NS. OUTLET PIPE LENG HT CLEAN RUN OF PIP	DIAMETER. S GTH OF SENS PE, NO FITTIN	TRAIG SOR M GS OF	HT, CLEA UST BE N R TURNS.	AN RUN MINIMUM				
									ANDSO J.NO No.558 Signat Signat	APE PROHI RBU PO 5 70 11 10 20/24 ALFORM
									DATE SIGNED:	11/16/23
						1	NEW SECURE	ED STAFF	PARKING LO	T .
							AŤ	NEW CITY	HALL	
	_						LANDS	CAPE D	ETAILS	
	Revision No.	Description	Date	By	Apprvd. By		DEPARTMI CITY OF	ENT OF PUI STOCKTON,	BLIC WORKS CALIFORNIA	
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-						CHECKED BY	RJN	CHIN	ENGINEER	TO (00 / 5

5543C.34

STOCKTON, CALIFORNIA

)16015-

DATE SIGNED: 11/16/23

NEW SECURED STAFF PARKING LOT AT NEW CITY HALL

LANDSCAPE DETAILS II

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	Revision No.	Description	Date	By	Apprvd. By		DEPARTME CITY OF S	ENT OF PUB STOCKTON, (LIC WORKS California		Secured Sto
						SCALE	AS SHOWN	APPROVED BY:	11/15/23	SHEET NO.	Co.S
						DESIGNED BY	AYM		DATE	L3.1	1246
NG RE						DRAWN BY	AYM		Huran	OF 48 SHEET	cts/2
						CHECKED BY	RJN	CITY F	INGINEER		nroie
ЗN						RECORD DWGS.		STOCKTON	, CALIFORNIA	E016015-A	F-\21

ENER/	AL ELECTRIC
<u></u>	
	CONCRETE PULL BOX —SIZE ALARM & 'D' DATA; '—T' DEI
	CONDUIT -SURFACE MOU COMPRESSION FITTING U
	CONDUIT -CONCEALED E SCH 40 WITH IMC ELBO
	HOMERUN TO PERSPECT OUT FURTHER DESIGNATI
\sim	FLEX
\geq	TERMINAL CABINET
	PANEL BOARD -SEE SCI
\sim	MOTOR/EXHAUST FAN -
	DUPLEX RECEPTACLE +1
÷	QUADPLEX RECEPTACLE
	HALF SWITCHED DUPLEX RECU.O.N.
-	HALF SWITCHED QUADPLEX F BOX U.O.N.
\bigtriangledown	FLOOR POWER RECEPTAG
\Rightarrow	30A4 WIRE GROUND
Ŧ	GFCI DUPLEX RECEPTACI
:##	GFCI QUADPLEX RECEPT
\bigcirc	JUNCTION BOX -4 11/2
#	JUNCTION BOX -LARGER
д\$3	MOTOR RATED DISCONNE
30-	FUSED DISCONNECT SWI
3	FULL VOLTAGE STARTER
	CLOSED CIRCUIT TELE
	PAN-TILT-ZOOM CAMI - DENOTES THE ANGLE (

ELECTRI	CAL ABBREVIATION	S											
Δ Y O & Q , , , , A A A A C A C A C A C A C A C C C A B	DELTA CONNECTED WYE CONNECTED PHASE AND AT FEET INCHES AMPERES ALTERNATING CURRENT ABOVE COUNTERTOP/BACKSPLASH ADJACENT, ADJOINING ADJUSTABLE FREQUENCY DRIVE ABOVE FINISHED FLOOR ALUMINUM APPROXIMATE ARCHITECT AUTOMATIC AUXILIARY ALTERNATE AMERICAN WIRE GAUGE BARE BARE COPPER GROUND BACKBOARD BREAKER BUILDING CONDUIT OR CONTRACTOR CABINET	CATV CKT CLG CO COMM CONC CONN CONT COORD CR CT COORD CR CT COMP CU DC DET DISC DIST DSA DWG (E), EXIST EC EL, ELEV EL ELECT EMS EMT EOL	CABLE TELEVISION CIRCUIT CEILING CONDUIT ONLY COMMUNICATION CONCRETE CONNECT CONTINUATION OR CONTINUED COORDINATE CONTROL RELAY CURRENT TRANSFORMER COMPRESSOR COPPER DIRECT CURRENT DETAIL DISCONNECT DISTRIBUTION DIVISION OF THE STATE ARCHITECT DRAWING EXISTING ELECTRICAL CONTRACTOR ELEVATION EMERGENCY LIGHT ELECTRICAL ENERGY MANAGEMENT SYSTEM ELECTRICAL METALLIC TUBING END OF LINE	ENCL EP EQUIP ETC EVAP (F) FA FACP FAT FLA FLEX FLUOR FS FOR FT GALV GND GC HI HOA HOS HV HVAC	ENCLOSURE EXPLOSION PROOF EQUIPMENT ET CETERA EVAPORATOR FUTURE FIRE ALARM FIRE ALARM CONTROL PANEL FIRE ALARM TERMINAL CABINET FIRE ALARM TERMINAL CABINET FIXTURE FULL LOAD AMPS FLEXIBLE FLUORESCENT FLOW SWITCH FORWARD-OFF-REVERSE FEET GALVANIZED GROUND GENERAL CONTRACTOR HIGH HAND-OFF-STANDBY HIGH VOLTAGE HEATING, VENTILATION, AIR CONDITIONING	IDF INCAN IDC IN INST J KV KVA KW L LB LF LOS LOH LV M MAX MCA MCA MCC MCM MCP MDF MECH MFG	INTERMEDIATE DISTRIBUTION FRAME INCANDESCENT INITIATING DEVICE CIRCUIT INCHES INSTANTANEOUS JUNCTION BOX KILOVOLTS KILOVOLT AMPERES KILOWATTS LINE ELBOW LINEAR FEET LOCKOUT-STOP LOCK-OFF-HALT LOW VOLTAGE MOTOR MAXIMUM MINIMUM CIRCUIT AMPS MOTOR CONTROL CENTER THOUSAND CIRCULAR MILLS MOTOR CIRCUIT PROTECTOR MAIN DISTRIBUTION FRAME MECHANICAL MANUFACTURER	MIN MPOE MSB N (N) NA NAC NC NIES NIC NO., # NO NL OC OH OL OT OSHPD PA PB PNL PH PR PRI	MINIMUM MAIN POINT OF ENTRY MAIN SWITCHBOARD NEUTRAL NEW NON-AUTOMATIC NOTIFICATION APPLIANCE CIRCUIT NORMALLY CLOSED NOT IN ELECTRICAL SECTION NOT IN ELECTRICAL SECTION NOT IN ELECTRICAL CODE NUMBER NORMALLY OPEN NIGHT LIGHT ON CENTER OVERHEAD THERMAL OVERLOAD RELAY OVER TEMPERATURE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT PUBLIC ADDRESS PULL BOX PANEL PHASE PAIR PRIMARY	PS PWR (R) RA RD REQD REQMTS RGP RM RECP RT SCH SEC SHT SIG SPECS SW SWD SP STD STR SWBD TELE TEMP TOA	PRESSURE SWITCH POWER REMOVE(D) REMOTE ANNUNCIATOR ROAD REQUIRED REQUIRED REQUIREMENTS REDUNDANT GROUND PATH ROOM RECEPTACLE RAIN TIGHT SCHEDULE SECONDS, SECONDARY SHEET SIGNAL SPECIFICATIONS SWITCH SWITCHED SPARE STANDARD STRANDED SWITCHBOARD TELEPHONE TEMPERATURE TEST OFF AUTOMATIC	TH TRANSF TYP TSP THRU UG UNO V VA VFD VM W VA VFD VM W/ W/O WP WHD WH WH XFMER (XR)	THERMOSTAT TRANSFORMER TYPICAL TWISTED SHIELDED PAIR THROUGH UNDERGROUND UNLESS NOTED OTHERWISE VOLTS VOLT AMPS VARIABLE FREQUENCY DRIVE VOLT METER WIRE WITH WITHOUT WEATHERPROOF WATT HOUR DEMAND METER WATER HEATER TRANSFORMER REMOVE AND RELOCATE(D)

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

AS NOTED - LIDS AS NOTED 'P POWER, 'S 'SIGNAL, 'F' FRE VOTES TENTIC LD AS NOTED - LIDS AS NOTED 'P' POWER, 'S 'SIGNAL, 'F' FRE VOTES TENTIC LD INTED OR ABOVE CELLING '-ENT WITH NUESS NOTED ON PLANS HELOW FLOOR IN EMT OR UNDERGROUND IN PVC WS WE PANEL OR CABINET -BRANCH CIRCUIT WITH ON IS A \$12 WIRE CIRCUIT WRE SIZE HEULE NLESS. TO THE DIAL WRE SIZE CRUIND S' A.F.F. FROM BOTTOM OF BOX U.O.N. HE'S 'A.F.F. FROM BOTTOM OF BOX U.O.N. HE'S 'A F.F. FROM BOTTOM OF BOX U.O.N. HE'S 'A.F.F. FROM BOTTOM OF BOX U.O.N.	LABOR, MATERIALS, TOOLS NECESSARY FOR THE PROI MPLETE AND OPERATING SY RS LABORATORIES, INC., SH ITANDARDS HAVE BEEN EST. ID LOCATIONS OF EQUIPMEN F ALL DATA IN ALL CONTR. S SHALL BE COPPER COND D CONDUITS SHALL BE PR , LINE VOLTAGE (50 VOLTS ETRATE STRUCTURAL MEMB ISENT OF THE DISTRICT'S S ERS, NOTIFY THE DISTRICT CH MEMBERS. CAL WORK SHALL CONFORM ITH N.F.P.A. STANDARDS AN D BE IN ACCORDANCE WITH DES. ING CONSTRUCTION IS CUT Y, AND PERFORMANCE.
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 CONTRACTOR TO COORDINATE WITH OWNERS VENDORS (SUCH AS, BUT NOT LIMITED TO: SECURITY, PHONES, DATA, CLOSED CIRCUIT T.V., ETC.) AND ALLOW ACCESS TO THE CONSTRUCTION SITE. OPERATED DEVICES SUCH AS, BUT NOT LIMITED TO, TELE/DATA OUTLETS, RECEPTACLE OUTLETS AND LIGHT SWITCHES INSTALLED IN AREAS NOT RESTRICTED TO AUTHORIZED MAINTENANCE PERSONAL SHALL BE MOUNTED AT A MINIMUM OF +15" AFF., AS MEASURED FROM THE BOTTOM OF THE DEVICE OUTLET BOX, AND MAXIMUM OF +48" AFF., AS MEASURED FROM THE TOP OF THE DEVICE OUTLET BOX. ALL CHANGE ORDER PROPOSALS AND CHANGE ORDERS, BOTH ADDITIVE AND DEDUCTIVE, SHALL BE BASED UPON AND BE ACCOMPANIED BY A DETAILED MATERIALS AND LABOR BREAKDOWN FOR EACH SPECIFIC TASK AND/OR ITEM. THE BREAKDOWN SHALL INCLUDE ACTUAL MATERIALS COSTS PLUS OVERHEAD AND PROFIT, AS WELL AS LABOR UNITS BASE UPON THE MOST RECENT NECA MANUAL OF LABOR UNITS (NECA INDEX #4090) OR EQUIVALENT PUBLICATION FOR EACH SPECIFIC TASK AND LABOR COSTS SHALL BE COMPUTED AS OUTLINED WITHIN THE GENERAL CONDITIONS, BASED UPON THE NECA LABOR TABLES FOR EACH TASK REQUIRED. MATERIALS COSTS SHALL BE COMPUTED AS OUTLINED WITHIN THE GENERAL CONDITIONS, BASED UPON THE NECA LABOR TABLES FOR EACH TASK REQUIRED. MATERIALS COSTS SHALL BE COMPUTED AS OUTLINED WITHIN THE GENERAL CONDITIONS, BASED UPON THE NECA LABOR TABLES FOR EACH TASK REQUIRED. MATERIALS COST SHALL INCLUDE ACTUAL CONTRACTOR INVOICE PLUS NO MORE THAN 15% MARKUP. THE OWNER AND CONTRACTOR AGREE TO THE ABOVE CHANGE ORDER COST PROCEDURE, FOR BOTH ADDITIVE AND DEDUCTIVE CHANGE ORDERS. 		11.	CLEAN ALL E	XPOSED SURFAC	CES AND NEW	EQUIPME	NT AFTER	COMPLETIC	DN.			
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14. ALL CHANGE ORDER PROPOSALS AND CHANGE ORDERS, BOTH ADDITIVE AND DEDUCTIVE, SHALL BE BASED UPON AND BE ACCOMPANIED BY A DETAILED MATERIALS AND LABOR BREAKDOWN FOR EACH SPECIFIC TASK AND/OR ITEM. THE BREAKDOWN SHALL INCLUDE ACTUAL MATERIALS COSTS PLUS OVERHEAD AND PROFIT, AS WELL AS LABOR UNITS BASE UPON THE MOST RECENT NECA MANUAL OF LABOR UNITS (NECA INDEX #4090) OR EQUIVALENT PUBLICATION FOR EACH SPECIFIC TASK AND ITEM. LABOR COSTS SHALL BE COMPUTED AS OUTLINED WITHIN THE GENERAL CONDITIONS, BASED UPON THE NECA LABOR TABLES FOR EACH TASK REQUIRED. MATERIALS COSTS SHALL INCLUDE ACTUAL CONTRACTOR INVOICE PLUS NO MORE THAN 15% MARKUP. THE OWNER AND CONTRACTOR AGREE TO THE ABOVE CHANGE ORDER COST PROCEDURE, FOR BOTH ADDITIVE AND DEDUCTIVE CHANGE ORDERS.		13.	OPERATED D SWITCHES IN AT A MINIMU OF +48" AFI	EVICES SUCH AS STALLED IN ARE M OF +15" AFF F., AS MEASURE	5, BUT NOT LI AS NOT RESTF ., AS MEASUR D FROM THE	imited to Ricted to Red from Top of t	, TELE/DA) AUTHORI THE BO1 THE DEVIC	ATA OUTLETS ZED MAINTE TOM OF TH E OUTLET	S, RECEPTAC ENANCE PER IE DEVICE O BOX.	CLE OUTLET: SONAL SHA PUTLET BOX,	s and ligh Ll be mou , and maxi	HT INTED MUM
		14.	ALL CHANGE UPON AND E AND/OR ITEM WELL AS LAE OR EQUIVALE OUTLINED ' REQUIRED. M MARKUP. THE ADDITIVE AND	ORDER PROPOS E ACCOMPANIED A. THE BREAKDO BOR UNITS BASE INT PUBLICATION WITHIN THE GEN ATERIALS COSTS E OWNER AND C D DEDUCTIVE	SALS AND CHA BY A DETAIL WN SHALL ING UPON THE M FOR EACH S ERAL CONDITIO SHALL INCLU ONTRACTOR A CHANGE ORD	ANGE ORD ED MATER CLUDE AC MOST REC IPECIFIC T DNS, BASE JDE ACTUA GREE TC DERS.	PERS, BOT RIALS AND CTUAL MAT EENT NECA FASK AND ED UPON AL CONTR O THE AB	H ADDITIVE LABOR BR ERIALS COS MANUAL (ITEM. LABO THE NECA ACTOR INVO OVE CHANG	AND DEDU EAKDOWN FO STS PLUS O' DF LABOR U DR COSTS S LABOR TABL DICE PLUS N E ORDER CO	ICTIVE, SHAI OR EACH S VERHEAD AI NITS (NECA HALL BE CO LES FOR IO MORE TH DST PROCEI	LL BE BASE PECIFIC TAS ND PROFIT, INDEX #40 DMPUTED A EACH TAS HAN 15% DURE, FOR	ED SK AS D90) S SK BOTH
15. ALL PERSONNEL WORKING WITH ENERGIZED EQUIPMENT WITHIN THE RESTRICTED ZONE PER NFPA-70E SHALL COMPLY WITH ALL NFPA-70E AND OSHA REQUIREMENTS AND BE ARC FLASH SAFETY CERTIFIED.		15.	ALL PERSON COMPLY WITH	NEL WORKING W 1 ALL NFPA-706	ITH ENERGIZEI E AND OSHA F	D EQUIPM REQUIREM	IENT WITH ENTS AND	IN THE RES D BE ARC F	TRICTED ZO LASH SAFET	NE PER NF Y CERTIFIEE	PA-70E S⊦).	IALL

						NEW SECU	RED STAFF	PARKING !	OT AT NEW CI	TY HALL	
							ELECTRI	CAL COVE	R SHEET		۲ N
	Revision No.	Description	Date	By	Apprvd. By		DEPARTMI CITY OF	ENT OF PUI STOCKTON,	BLIC WORKS CALIFORNIA		1.50.1
						SCALE	AS SHOWN	APPROVED BX:	11/15/23	SHEET NO.	
						DESIGNED BY	KP		DATE	EO.1	103
ING JRE						DRAWN BY	CCM/KP	ABD	Huarn	OF 48 SHEET	۲. 0
						CHECKED BY	KP .	CITY	ENGINEER		80
GN						RECORD DWGS.		STOCKTO	N, CALIFORNIA	E016015-A	
										FF ADD ON	-

- 1. (NOT USED)
- 2. (NOT USED)
- 3. (E) MSB (800A) -TEST (E) GROUND FOR 10 OHM MAX. & CONNECT (N) FEEDERS PER SINGLE LINE DIAGRAM
- 4. (N) 3"C (COMM) FROM CITY HALL -INSTALL (N) 16FOM-OSP FIBER
- OPTIC CABLE (\approx 450LF) –SEE SHEET E2.0 FOR ADDITIONAL DETAIL 5. (N) 1 1/2"C.O. TO VAULT "EV-MSB" (SHEET E2.0) FOR (F) EV
- CHARGER STATION -STUB & CAP 4" BELOW GRADE
- 6. (N) 2"C.O. TO VAULT "EV-MSB" (SHEET E2.0) FOR (F) PV FEEDER -STUB INTO (N) N9 PULLBOX WITHIN THE PLANTER W/NOTE 7.
- (N) 1"C.O. TO PEDESTAL "HP" COMM SECTION FOR (F) PV NETWORK CONNECTION –STUB INTO (N) N9 PULLBOX WITHIN THE PLANTER W/NOTE 6.
- (N) 1 1/4"C.0. TO PEDESTAL "HP" COMM SECTION FOR (N)/(F) CCTV NETWORK CONNECTION
- 9. (N) 1"C (LTG. CKT) #10 CU (U.O.N.) TO PULLBOX "PB-HP" (SHEET E2.0)
- 10. (N) 1"C (LTG. CKT) #10 CU (U.O.N.)
- 11. (N) 1 1/4"C. (NETWORK COMM CABLING)
- 12. STUB & UP 24" PAST FOUNDATION FOR (F) EXTENSION -TYPICAL FOR BOTH CONDUITS
- (N) IP CCTV CAMERA W/4STP6-OSP (OR 4FOM-OSP IF >300FT.) CABLE TO PEDESTAL "HP" COMM -SEE SPECIFICATIONS FOR CAMERA REQUIREMENTS.
- 14. (N) ACCESS CONTROL CARD READER & ELECTRIC LOCK -ROUTE (N) 1"C W/ACCESS CONTROL CABLING TO (N) PEDESTAL "HP" COMM. SECTION FROM STRIKE BOTH WITHIN STRIKE & HINGE SIDE POST -COORDINATE W/GENERAL & FENCING CONTRACTORS FOR OPENING WITH FENCE & NECESSARY HARDWARE.
- 15. (N) 4"C (POWER) & 3"C (POWER) TO (N) PANELS SHOWN -SEE SINGLE LINE DIAGRAM FOR EXACT REQUIREMENTS.
- INSTALL STREET LIGHT W/PULLBOX PER C.O.S. STANDARDS, LEOTEK GCM1-60J-MV-40K-3R-135-PCR7-CR-WL-RWG (LUMINAIRE MODEL-85 WATTS) -REFER TO C.O.S. STANDARD DRAWING NO. R85-R92 FOR INSTALLATION REQMTS.
- 17. INSTALL 2 1/2"C w/#8AWG CONDUCTORS (240 V) PER C.O.S. STANDARDS.
- 18. TIE INTO (E) STREET LIGHTING PULLBOX.
- STUB INTO (E) COMM PB & ROUTE (N) FIBER OPTIC CABLE THROUGH
 (E) PATHWAYS INTO BLDG'S MDF.

TURE SCHEDU	LE				
DESCRIPTION	MANUFACTURER / AND CATALOG NUMBER	LAMPS /WATTS	VOLTAGE	MOUNTING	COMMENTS
26.5' DOOUBLE HEAD POLE	GARDCO (2x) #P26-48L-600-NW-G2-4-UNV-IMRI7-BK	178W 10,800lm	UNV.	POLE 26.5 FEET	BLACK SENSOR CONTROLLED
	POLE #SSS-24-4-7-D2-BLP-VDA-CL1 (+18')	40K			
26.5' SINGLE HEAD	GARDCO #P26-48L-500-NW-G2-4-UNV-IMRI7-HIS-BK	89W 10,800lm	UNV.	POLE 26.5 FEET	BLACK SENSOR CONTROLLED HOUSESIDE SHIELD
	POLE #SSS-24-4-7-D1-BLP-VDA-CL1 (+18')	40K			

8/03/23 1:50:24 PM F:\22\736 STOCKTON PARKING LOT\ENGR\SHEETS\736_E1.0 OVERALL SITE PLAN.DWG cmenc

FIXTURE SO TAG DESCRIPTION A 26.5' DOOUBLE B 26.5' SINGLE HE

AND SURVEYING PLANNING ATHLETIC FACILITY DE

www.siegfriedeng.com

PEZZONI ENGINEERING, INC. ã Copyrighted 2022

- (NOT USED) 1.
- 2. (NOT USED)
- 3. (E) MSB (800A) -TEST (E) GROUND FOR 10 OHM MAX. & CONNECT (N) FEEDERS PER SINGLE LINE DIAGRAM
- 4. (N) 3"C (COMM) FROM CITY HALL -INSTALL (N) 16FOM-OSP FIBER OPTIC CABLE (≈450LF) -SEE SHEET E2.0 FOR ADDITIONAL DETAIL.
- 5. (N) 1 1/2"C.O. TO VAULT "EV-MSB" (SHEET E2.0) FOR (F) EV
- CHARGER STATION -STUB & CAP 4" BELOW GRADE
- 6. (N) 2"C.O. TO VAULT "EV-MSB" (SHEET E2.0) FOR (F) PV FEEDER -STUB INTO (N) N9 PULLBOX WITHIN THE PLANTER W/NOTE 7.
- 7. (N) 1"C.O. TO PEDESTAL "HP" COMM SECTION FOR (F) PV NETWORK CONNECTION -STUB INTO (N) N9 PULLBOX WITHIN THE PLANTER W/NOTE 6.
- 8. (N) 1 1/4"C.O. TO PEDESTAL "HP" COMM SECTION FOR (N)/(F) CCTV NETWORK CONNECTION
- 9. (N) 1"C (LTG. CKT) #10 CU (U.O.N.) TO PULLBOX "PB-HP" (SHEET E2.0)
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- 15. (N) 4"C (POWER) & 3"C (POWER) TO (N) PANELS SHOWN -SEE SINGLE LINE DIAGRAM FOR EXACT REQUIREMENTS.
- 16. INSTALL STREET LIGHT W/PULLBOX PER C.O.S. STANDARDS, LEOTEK GCM1-60J-MV-40K-3R-135-PCR7-CR-WL-RWG (LUMINAIRE MODEL-85 WATTS) -REFER TO C.O.S. STANDARD DRAWING NO. R85-R92 FOR INSTALLATION REQMTS.
- 17. INSTALL 2 1/2"C W/#8AWG CONDUCTORS (240 V) PER C.O.S. STANDARDS.
- 18. TIE INTO (E) STREET LIGHTING PULLBOX.
- 19. STUB INTO (E) COMM PB & ROUTE (N) FIBER OPTIC CABLE THROUGH (E) PATHWAYS INTO BLDG'S MDF.

CHEDUI	_E				
	MANUFACTURER / AND CATALOG NUMBER	LAMPS /WATTS	VOLTAGE	MOUNTING	COMMENTS
HEAD POLE	GARDCO (2x) #P26-48L-600-NW-G2-4-UNV-IMRI7-BK	178W 10,800lm	UNV.	POLE 26.5 FEET	BLACK SENSOR CONTROLLED
	POLE #SSS-24-4-7-D2-BLP-VDA-CL1 (+18')	40K			
EAD	GARDCO	89W	UNV.	POLE	BLACK
	#P26-48L-500-NW-G2-4-UNV-IMRI7-HIS-BK	10,800lm		26.5 FEET	SENSOR CONTROLLED HOUSESIDE SHIELD
		40K			
	POLE #SSS-24-4-7-D1-BLP-VDA-CL1 (+18')				

NEW SECURED STAFF PARKING LOT AT NEW CITY HAL OVERALL SITE PLAN - ELECTRICAL - BID ALT. DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA Revision No. By Apprvd. By Date Description AS SHOWN APPROVED BY: SCALE SHEET N E1.1 KΡ DESIGNED BY CCM/KP DRAWN BY OF 48 SHEET CITY ENGINEER STOCKTON, CALIFORNIA CHECKED BY KΡ E016015-A RECORD DWGS.

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+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.1}	+0.5	+0.8	+0.9	+ ^{0.9}	+ ^{0.9}	+ ^{0.8}	+ ^{0.8}	+ ^{0.7}	+ ^{0.7}	+0.7	+0.6	لاس +0.6	+ ^{0.6}	+0.6	10.6 C		+ ^{0.5}	40.5	+0.5		- G <u>-0.5</u>	+0.6
+ ^{0.0}	+ ^{0.0}	∕∕∕ + ^{0.1}	+ ^{0.1}	+0.8	+1.2	24	+ ^{1.2}	+1.1	+ ^{1.0}	0 +	0.9	+ ^{0.9}	.+ ⁶ 9	+0.9	√ ·4 · €+ ^{0.8} .	+ ^{0.8}			. ,	+0.7	⁴ ,07· √+	⊿_¢ +ª	+0.8	+0.7	+0.8
				1.0			+1.7		<u>+</u> 1.3	+ ^{1.2}	+ ^{1.2}	- <u>-</u> 12 +	יייך ק+"ו=			 			10						4 ^{2.3}
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+ ^{0.0}	+ ^{0.0}	+ ^{0.2}	+ ^{0.3}	- - ↓	+3.3	B∕II	+2.9	+ ^{2.7}	+ ^{2.8}	+3.1	E-#3.6E	+4.2		₿ _{3.8}			2.3		E-20	₽2.0		2.0		₽2.2	+2.6
+ ^{0.0}	+ ^{0.0}	+ ^{0.2}	+ ^{0.4}			+ ^{3.4}	E E	+ ^{3.0}	+ ^{3.0}	+ ^{3.3}	+ ^{3.9}	ــر + ^{4.5}	B	⟩ + ^{4.3}	+ ^{3.6}	+ ^{3.0}	+ ^{2.6}	+2.5	+ ^{2.5}	+2.7	+2.7	+2.6	+ ^{2.5}	25	+2.6
+ ^{0.0}	+ ^{0.0}	+ ^{0.2}	+ ^{0.3}	, ↓ + 1.8	+ ^{3.4}	+ ^{3.4}	A3-700date +3.3	+ ^{3.1}	+ ^{3.1}	+3.5	+4.1	+4.8	+ ^{5.0}	+4.7	+4.0	+ ^{3.3}	+ ^{3.0}	+2.9	+ ^{3.2}	+3/	3.6	/ 	+3.0		26 +
+ ^{0.0}	+ ^{0.0}	+ ^{0.1}	+ ^{0.3}			+ ^{3.4}	A3.4	+ ^{3.2}	_ + ^{3.3}	++3.7			04190 2018 19553				ABITOOJINAA ABIY NYBTO +3.4	-3000-807A ABA ABA NYEDO ABA +3.5	4.1 4.16 4.16 4.16 4.17 4.100				+7		- + ^{2,8}
+ ^{0.0}	+ ^{0.0}	+ ^{0.2}	+%				- + ^{3.5}	+ ^{3.4}	₹_ + 3.	m+4.4	<u>ک</u> +5.0	/ INV +12	7.836	18 17.5	<u>+</u> 5.9	4.8	+ ^{4.3}	4.6					5.0		32
+ ^{0.0}	+ ^{0.0}	+ ^{0.2}	+ ^{0.4}		4.			+ ^{3.5}	+ ^{3.5}	+3.9	کول ⁴ و	÷	ר		+ ^{4.9}		E +3.7		4.7 4.7			5.2			
+ ^{0.0}	+ ^{0.0}	+0.2	+ ^{0.4}	- ₩		EV + SULY - SULY	+3.6	+ ^{3.4}	+	- ³	+3.8	4.3	13 +1.0 +1.0	+4.4	+3 ²⁹	+ ^{3.5}	SD+OVI	RILO	WHI	4.2	1 ²	+	+34	43.0	+2.8
+ ^{0.0}	+ ^{0.0}	+ ^{0.2}	+0.4		24	 13315T	-C+ ^{3.5}	+ ^{3.2}	+3.1	- in	-3.4	+ ^{3.7}	+\9	COMPACT + ^{3.9}	+ ^{3.7}	+ ^{3.4}	RIM 10 NV 715 NV 7 5	53 ≦`` 3.6¦₩ 3.12"⊏	+ ^{3.4}	/ :D † 8UB] JP ^{3,4}	COMPACT	+ ^{3.0}	+2.9
+ ^{0.0}	+ ^{0.0}	+ ^{0.2}	+		+3.8	12,65F	+ ^{3.3}	+ ^{3.1}	+ ^{2.9}	82%	+ ^{3.1}	+ ^{3.3}	" * ³ 62%	+ ^{3.7}	+ ^{3.7}	+ ^{3.7}	NV ₁ 35.4	8 <u>1</u> 83"N	- + ^{3.2} ∥	IM 10 1V+9.03	16\ 3 1 2"E	+ ^{3.1}	+ ^{3.2}	+ ^{3.3}	+ ^{3.4}
+ ^{0.0}	+ ^{0.0}	+ ^{0.2}	+0.4	15 N	43.3	10044 /8/6/14/90	+3.2	+ ^{2.9}	, t ²⁸	+	3.25T 2. 7 5P	<u>+</u> 3.0	4 ^{3.4}	+3.9	+ ^{4.1}	+4.1	+ ^{3.8}	+ ^{8.4}	+ ^{3.1}	+ ^{3.0}	+ ^{3.0}	+ ^{3.1}	+ ^{3.4}	+3.8	<u>∖sd</u> RiM IN∀
+ ^{0.0}	+ ^{0.0}	+ ^{0.3}	+ ^{0.5}	1.3	+ ^{3.5} 13	3.90TC	+ ^{3.2}	13.66 13.96		+26	3 90	3.0 1 TC	343T		3 73 10	+4.9	13.73	C 13	C C	+3.0	+ <u>3.0</u>	+3.2		+4.5 +C	
+0.0	+ ^{0.0}	+0.3	+ ^{0.5}	<u>م</u> الم		<u>₿</u> }P				m+2	13,40	P 3.5	- 145 + 285 FC	+	85 FC	2RID + ⁷³			- 13/1 	3.4 3.4			26 <u>P.</u>	+6.3	RIQQ
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+ ^{0.0}	+0.0	+ ^{0.4}	+0.5		<u> </u>	+2.8	+ ^{2.7}	+2.5	+	~31	3.147P	2.6	+2.9	+3.5	+4.0	+4.2	+4.0	+ ^{3,5}	1.30P	3.2	+ ^{3.2}	+ ^{3.5}	+3.8	+4.3	יייייייייייייייייייייייייייייייייייי
+ ^{0.0}	+ ^{0.0}	+ ^{0.4}	+0.5	4 1.2	+2.1	1 <u>3</u> :15 12 65	TC _{2.5}	+ ^{2.5} 2.83T(+ ^{2.6}	+2.5	+ ^{2.5}	+ ^{2.5}	+ ^{2.6}	12%	+ ^{3.2}	+ ^{3.5}	+ ^{3.5} 12	.6 3 TC	+3.3	+ ^{3.4}	+ ^{3.6}	+ ^{3.8}	+ ^{3.9}	+ ^{3.9}	+ ^{4.0}
+ ^{0.0}	+ ^{0.0}	+ ^{0.4}	+ ^{0.5}		کر ۲۳	-21 +24	+24 1	2. <u>3</u> 3P	- 000 + ^{2.8} 10	¹ 00. + ^{2.8}	+ ^{2.5}	+ ^{2.3}	5DC	11^{2}	2P + ² /	30	/12 	.13P 12.60	ן גע לדנ	2 1 3.8	+ <u></u> 4.12.	.75TC 25P	+ ^{4.1}	+ ^{3.8}	+ ^{3.6}
+ ^{0.0}	+ ^{0.0}	+0.3	+0.5	3	+1.5	+ ^{1.9}	2.4 E	B	91 <u>C</u> 9 P	کر ₄ +	≠ ²⁶	C422	RIM I₩¥7	201 53 71556 6	C "E +²⁴	+2.9	+	12.1(+ ^{3.2})P" + 6	+4.3	+4.9	+ ^{5.0}	+4.6	3.9	+3.5
+ ^{0.0}	+ ^{0.0}	+ ^{0.2}	+ ^{0.4}		+1.3	+	£ /+ ^{2.3}	+ ^{2.9}		+3.0	+25	+2.0	+"7	+1.0		+2.9	+3.3	 + ^{3.7} 1.65T(C ⁺⁴	+5.8		X _{7.5}	1 6.4	+5.0	+4.
+ ^{0.0}	+ ^{0.0}	+0.1	+ ^{0.2}	+0.3	+ ^{0.6}	+0.7	+ ^{0.7}	+ ^{0.8}	+ ^{0.5}	20:9 7	+ ^{0.9}	+0.9	22LF	<u>w</u> s-u F9D-			7 53 6	11 <u>,</u> 15P 5"W	- +⁴⁴	+5:5	+6.7	¥ ^{6.9}	+	+4.8	23.9 (
+ ^{0.0}	+ ^{0.0}	+0.0	+0.0	- - -	+ ^{0.2}	+ ^{0.3}	+ ^{0.4}	+ ^{0.5}	+ ^{0.6}	+ ^{0.6}	+0.6	+0.6	้∖†ช.5	<u>3F</u> G			7.53 6	"S 1.9	3 TC	4.00	A } +	+4.7	+4.4	+3.8	+3.3
+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ +	+0.1	+0.2	+0.2 -	+	+0.3	+0.3	+0.4	+0.5-	+0.6	+0.8			1 3∓© 63FL	+ ^{3.3}		+ ^{3.5}	11.6		+ ^{3.9}	+ ^{3.6}	+ ^{3.4}
+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.3}	+ ^{0.5}	+ ^{0.7}	⊞S.	5+11	<u>20TC</u> 70EL	_+ ³ 0	+ ^{2.8}	+ ^{2.9}	+ ^{3.1}	+ ^{3.4}	+ ^{3.6}	+ ^{3.6}	+ ^{3.5}
+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.2}	+ ^{0.3}	- + ^{0.5}			+2.0	1+06F	<u>-</u> -L+ ^{2.4} -C	^{2.4}	+2.6.00	+ ^{3.0}	+SD /RK	₽₩₿ <u>₿</u> ₿ <u>}53</u>	<u>L</u> E+ປີP
+0.0	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.1}	+ ^{0.2}	+ ^{0.3}		> + ^{1.7}	+1.8	90-75F	 +1 <u>.9</u>	+ ² /		+2.8	/ " kn V	6,53 1	2"]]
+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.1}	+ ^{0.1}	+0.2	 		6 L ∰@ −−-6"	. S≐ 0.0 SD	000	-+12-t	_+ ^{1.7} _ 	-+1.\$}	- + ^{2.0}	₊ 2.0	E <mark>+20</mark> E
+ ^{0.0}	+0.0	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.1}	+0.1	+ ^{0.2}	 0.5	9. <u>5</u> 3F	<u>G</u> + ^{0.9}	+ ^{1.0}	+ ^{1.0}	<u>+</u> 0.9 _(+ ^{1.0}	+ ^{1.0}	+ ^{1.2}	+ ^{1.3}	+ [%] %
+ ^{0.0}	+0.0	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.1}	+ ^{0.1}	+ ^{0.1}	+0/3	10.50 DCO	3F€ ⁷	+0.7	+0.7 -	+0.7	+ <mark>℃</mark> RIM	C⊕ [®] 4 I 10.53	+ ^{0.9}	+	+1.2
+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.1}	+ ^{0.1}	+ ^{0.1} F	RIM ₄ 40 NV 7.5 NV 7.5	53₊₀₅ 3 6"N 3 6"⊑	+ ^{0.5}	+ ^{0.5}	+ ^{0.6}	+₫NV INV	7,636 7.536	5"⊑₀.7 5"W	+ ^{0.8}	+ ^{1.0}
+ ^{0.0}	+ ^{0.0}	+0.0	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.1	0.1-1 +	+		+ ^{0.3}	+0.3	+0:3	+0 <u>.4</u>	+0.5	- + ^{0.6}		+0.8
+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+0.0	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.1}	+ ^{0.1}	+ ^{0.1}	+ ^{0.2}	+ ^{0.2}	+ ^{0.2}	+ ^{0.2}	+ ^{0.3}	+ ^{0.4}	+ ^{0.5}	+ ^{0.7}
	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.4}
+0.0	0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+ ^{0.1}
+0.0	+ ^{0.0}		0.0	0.0		0.0	+0.0	+	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.1
+00 +00 +00	+ ^{0.0} + ^{0.0}	+ ^{0.0}	+0.0	+0.0	+0.0	+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		10.0	1 0.0	- 0.0		10.0		0.0	0.0	0.0
+ ^{0.0}	+ ^{0.0} + ^{0.0} + ^{0.0}	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+ ^{0.0}	+ ^{0.0}	+ ^{0.0}	+0.0	+0.0	+0.0	+	•		T 0.0	+	+	+	+ ^{0.0}	+0.0	+0.0				

23 1:50:34 PM F:\22\736 STOCKTON PARKING LOT\ENGR\SHEETS\736_E1.2 OVERALL SITE PLAN - PHOTOMETRICS.DWG cm

IEDUI	LE				
	MANUFACTURER / AND CATALOG NUMBER	LAMPS /WATTS	VOLTAGE	MOUNTING	COMMENTS
D POLE	GARDCO (2x) #P26-48L-600-NW-G2-4-UNV-IMRI7-BK	178W 10,800lm	UNV.	POLE 26.5 FEET	BLACK SENSOR CONTROLLED
	POLE #SSS-24-4-7-D2-BLP-VDA-CL1 (+18')	40K			
	GARDCO #P26-48L-500-NW-G2-4-UNV-IMRI7-HIS-BK	89W 10,800lm	UNV.	POLE 26.5 FEET	BLACK SENSOR CONTROLLED HOUSESIDE SHIELD
	POLE #SSS-24-4-7-D1-BLP-VDA-CL1 (+18')	40K			

						NEW SECURED STAFF PARKING LOT AT NEW CITY HALL OVERALL SITE PLAN - PHOTOMETRICS	4 PM
	Revision No.	Description	Date	By	Apprvd. By	DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA	1:50:3
						SCALE AS SHOUN APPROVED BY: <u>11/15/23</u> SHEET NO.	
						DESIGNED BY KP DATE E1.2	193
G E						DRAWN BY CCM/KP	03,
						CHECKED BY KP	08/
V						RECORD DWGS. STOCKTON, CALIFORNIA E016015-A	

1. (NOT USED)

5. (N) 4"C (POWER) & 3"C (POWER) TO (N) PANELS SHOWN -SEE SINGLE LINE DIAGRAM FOR EXACT REQMTS

7. (N) CONCRETE WORK PAD 4" THICK MIN. W/#4 BARS ON 12" CENTERS BOTH DIRECTION.

8. (N) 3'' (POWER) & (N) 3-2'' (POWER EV) FROM (N) VAULT -SEE SINGLE LINE DIAGRAM FOR EXACT REQMTS.

9. (N) 4" (POWER) & (N) 5-2" (POWER EV) FROM (N) VAULT -SEE SINGLE LINE DIAGRAM FOR EXACT REQMTS.

10. (N) 1 1/2"C (POWER) FROM (N) PANEL "EV1" TO (N) PEDESTAL "HP" -SEE SINGLE LINE DIAGRAM FOR EXACT REQMTS

11. (N) 3"C (COMM) FROM CITY HALL -INSTALL (N) 16FOM-OSP FIBER OPTIC CABLE

12. (N) 3-3"C FOR SIITE DISTRIBUTION TO PULLBOX "PB-HP".

13. (N) IRRIGATION CONTROL PEDESTAL (120V, 50VA) COORDINATE W/LANDSCAPING CONTRACTOR.

Pezzoni ENGINEERING, INC. CONSULTING ELECTRICAL ENGINEERS 3428 Brookside Road 1150 9TH Street Suite #1415 Modesto, CA 95354 Stockton, CA 95219 TRUCTURAL ENGINEER PHONE: 209.554.4602 Phone: 209-943-2021 Fax: 209-942-0214 ■ LANDSCAPE ARCHITECTURE HTTP://WWW.PEZENGR.COM LAND SURVEYING PLANNING PEZZONI ENGINEERING, INC. ã Copyrighted 2022 www.siegfriedeng.com ATHLETIC FACILITY DESIGN

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

3

- (N) 1"C (POWER) W/CONDUCTORS AS SHOWN TO (N) PEDESTAL "HP" 1.
- 2. (N) 3/4"C (POWER) W/CONDUCTORS AS SHOWN TO (N) GATE OPERATOR
- 3. (N) GATE OPERATOR (240V, 1PH, 1HP MAX, DKS#9150 OR EQUAL) PROVIDE LOCAL DISCONNECTING MEANS AS REQD. -COORDINATE ROUGH-IN W/MFR'S INSTRUCTIONS
- (N) 1 1/2"C.O. SLEEVE FOR VEHICLE DETECTOR LOOPS -COORDINATE W/GATE VENDOR. 4.
- 5. (N) N-16 PULLBOXES (POWER & COMM) -INSTALL PER DETAIL 1/E3.3 (N) 1 1/2"C W/CABLING FOR CARD READER & GATE CONTROLS TO PEDESTAL "HP" COMMUNICATIONS SECTION.
- 7. (N) 3/4"C W/CARD READER CABLING TO (N) VEHICLE STANCHION
- 8. (N) 1"C W/CABLING FOR GATE CONTROLS TO GATE (N) OPERATOR

- (N) 1"C (POWER) W/CONDUCTORS AS SHOWN TO (N) PEDESTAL "HP"
- (N) 3/4"C (POWER) W/CONDUCTORS AS SHOWN TO (N) GATE OPERATOR 2.
- (N) GATE OPERATOR (240V, 1PH, 1HP MAX, DKS#9150 OR EQUAL) -PROVIDE 3. LOCAL DISCONNECTING MEANS AS REQD. -COORDINATE ROUGH-IN W/MFR'S
- INSTRUCTIONS 4. (N) 1 1/2"C.O. SLEEVE FOR VEHICLE DETECTOR LOOPS -COORDINATE W/GATE
- VENDOR. 5. (N) N-16 PULLBOXES (POWER & COMM) -INSTALL PER DETAIL 1/E3.3
- (N) 1 1/2"C W/CABLING FOR CARD READER & GATE CONTROLS TO PEDESTAL 6. "HP" COMMUNICATIONS SECTION.
- 7. (N) 3/4"C W/CARD READER CABLING TO (N) VEHICLE STANCHION
- 8. (N) 1"C W/CABLING FOR GATE CONTROLS TO GATE (N) OPERATOR

PLOT PLAN -LINCOLN ENTRANCE

										1
					NEW SECUR	RED STAFF	PARKING L	OT AT NEW CI	TY HALL	
						PLOT PL	ans — Eli	ECTRTICAL		Μd
Revision No.	Desc r iption	Date	By	Apprvd. By		DEPARTME CITY OF S	ENT OF PUE STOCKTON, (ELIC WORKS CALIFORNIA		1:50:40
					SCALE	AS SHOWN	APPROVED BY:	11,415/23	SHEET NO.	
					DESIGNED BY	KP		DATE	E2.0	/23
					DRAWN BY	CCM/KP	120	Hiran	OF 48 SHEET	03
					CHECKED BY	Kp ,	CITY I	ENCINEER		80
					RECORD DWGS.		STOCKTON	I, CALIFORNIA	E016015-A	Ŭ

						NEW SECU	RED STAFF	PARKING L	OT AT NEW CI	TY HALL	
							ELEC	TRICAL DE	TAILS		M M M
	Revision No.	Description	Date	By	Apprvd. By		DEPARTME CITY OF S	NT OF PUB STOCKTON, (LIC WORKS CALIFORNIA		1:50:4
						SCALE	AS SHOWN	APPROVED BX:	11/15/23	SHEET NO.	
						DESIGNED BY	Кр		DATE	E3.0	123
NG RE						DRAWN BY	CCM/KP	1/812	Hurn	OF 48 SHEET	03,
						CHECKED BY	KP (CITY E	NGINEER		80
ΒN						RECORD DWGS.		STOCKTON	, CALIFORNIA	E016015-A	
										5543C.42	-

SECTION D-D

<u>SECTION C-C</u>

						NEW SECU	RED STAFF	PARKING L	OT AT NEW C	TY HALL	
							ELEC	TRICAL DE	TAILS		4 PM
	Revision No.	Description	Date	By	Apprvd. By		DEPARTME CITY OF S	ENT OF PUE STOCKTON,	BLIC WORKS CALIFORNIA		1:50:4
						SCALE	AS SHOWN	APPROVED BX:	11/15/23	SHEET NO.	
						DESIGNED BY	Кр		DARE	E3.1	/23
G E						DRAWN BY	CCM/KP	ABIS	Albran	OF 48 SHEET	03,
						CHECKED BY	KP	CITY	ENGINEER		08/
1						RECORD DWGS.		STOCKTO	N, CALIFORNIA	E016015-A	
										FF 100 10	

			P	EDEDS	STAL S	CHEDUL	Ε				
EL: HP ING: 80 A. AGE: 120/208 V.		TES Phase: Wire:	SCO UNME 1ø 3	TERED 24	-200 CAE	BINET SCCR: BUSSING:	22k Cu			NEMA TYPE: 3R	
	BRKR	TYPE	LOAD	A (va)		B (va)	LOAD	TYPE	BRKR	DESCRIPTION	СК
ESTAL	20/1	L N	180	280		600	100 600	C L	20/1 20/1	POLE LTS	4
WORK CAB.	20/1	N	1000	1300			300	L	20/1	POLE LTS	6
	/	N	840 840	1640		1640	800	L	20/1	POLE LTS	10
NORTH	20/2	N	840 840	1240		1440	600	L 1	20/1 20/1	POLE LTS POLE LTS	12
AST	20/2	N	840	1240		1740	900	L	20/1	POLE LTS	16
AST	20/2	N	840 840	840		840			<u>20/1</u> 20/1	SPARE	18
				5300		6260			,		
(C): 1UOUS (N):	125 VA 6880 VA			MCB	: 80/2				MAX.	PHASE @125% = 65.2	Α.
	0 VA									DEMAND TOTAL = 11.6	kVA
<u>):</u>	0 VA 4580 VA									= <u>55.7</u> 0125% = 69.6	A. A.
750W (K):	O VA			DEMAND	CALC. PE	R ART 220					
			PA	NELBO	DARD S	SCHEDU	.E				
ING: 400 A. AGE: 120/208 V.		PHASE: WIRE:	3ø 4			SCCR: BUSSING:	22kA Cu			NEMA TYPE: 3R MOUNTING: SURFACE	
<u>/N</u>	40/2		10AD 3600	A (VCI) 7200	B (va)		10AD 3600		40/2	(F) EV#2	CK
- 17	/	N	3600		7200		3600	N	/	"EV CAPABLE"	4
_ '' 	40/2	N N	3600 <u>3</u> 600	7200		7200	<u>3600</u> <u>3</u> 600	N N	40/2 /	"EV CAPABLE"	6 8
- "	40/2	N	3600		7200		3600	N	40/2	(F) EV#6	10
-	40/2	N N	3600 3600	7200		7200	3600 3600	N N	/ 40/2	(F) EV#8	14
	/	N	3600		7200		3600	N	40/2	"EV CAPABLE"	16
- "	40/2	N N	3600 3600	7200	-	7200	3600 3600	N N	+0/2	"EV CAPABLE"	20
- "	40/2	N	3600		7200	7000	3600	N	40/2	(F) EV#12 "EV CAPARI F"	22
- "	40/2	N	3600	7200		/200	3600	N	40/2	(F) EV#14	26
	40/2	N	3600		7200	7200	3600	N	<u>/</u> 40/2	"EV CAPABLE" (F) EV#16	28
- "	/	N	3600	7200			3600	N	/	"EV CAPABLE"	32
_	40/2	N	3600 3600		7200	7200	3600 3600	N N	40/2	(F) EV#18 "EV CAPABLE"	34
₽ "	80/2	N	5300	5300					20/1	SPARE	38
-	/	N	6260		6260	0			20/1	SPARE	40
						-					
(C).				48500	49460	43200					
; (C): NUOUS (N):	0 VA 141160 VA			A8500 MCB MLO	+9460 : NO : YES	43200			MAX.	PHASE @125% = 515.2	2 A.
) (C): NUOUS (N):	0 VA 141160 VA 0 VA			<u>48500</u> MCB MLO	49460 : NO : YES	43200			MAX.	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 - 301.8	2 A. kVA
6 (C): NUOUS (N): OR (M1):): 750W (K):	0 VA 141160 VA 0 VA 0 VA 0 VA			MCB MLO	49460 : NO : YES	43200			MAX.	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8	2 A. kVA 3 A.
6 (C): NUOUS (N): OR (M1):): 750W (K):	0 VA 141160 VA 0 VA 0 VA 0 VA 0 VA			MCB MCB MLO	49460 : NO : YES CALC. PE	43200			MAX.	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8	2 A. kVA 3 A.
S (C): NUOUS (N): OR (M1):): 750W (K):	0 VA 141160 VA 0 VA 0 VA 0 VA 0 VA		PA	MCB MLO DEMAND	49460 : NO : YES CALC. PE DARD	43200 R ART 220	_E		MAX.	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8	2 A. kVA 3 A.
C): IUOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. IGE: 120/208 V.	0 VA 141160 VA 0 VA 0 VA 0 VA 0 VA	PHASE: WIRE:	PA 3ø 4	MCB MCD MLO DEMAND	<u>49460</u> : NO : YES CALC. PE	ART 220 SCHEDUI SCCR: BUSSING:	_E 22kA Cu		MAX.	PHASE ©125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 E 391.8 Support Support <th< td=""><td>2 A. kVA 3 A.</td></th<>	2 A. kVA 3 A.
i (C): NUOUS (N): OR (M1):): 750W (K): EL: EV2 ING: 200 A. XGE: 120/208 V.	0 VA 141160 VA 0 VA 0 VA 0 VA 0 VA 0 VA BRKR	PHASE: WIRE: TYPE	PA 3ø 4 LOAD	A (va)	<u>49460</u> : NO : YES CALC. PE	ART 220 SCHEDU SCCR: BUSSING: C (va)	_E 22kA Cu LOAD	TYPE	MAX.	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION	2 A. kVA 3 A. CK
(C): IUOUS (N): OR (M1): :: 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N	0 VA 141160 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 40/2 /	PHASE: WIRE: TYPE N	۲ 3¢ 4 LOAD 3600	A (va)	<pre>49460 : NO : YES CALC. PE OARD OARD </pre>	ART 220 SCHEDU SCCR: BUSSING: C (va)	-E 22kA Cu LOAD 3600 3600		MAX.	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" "	2 A. kVA 3 A. CK 2 4
(C): UOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N	0 VA 141160 VA 0	PHASE: WIRE: TYPE N N N	۲ ۵ 3ø 4 LOAD 3600 3600	A (va)	<pre>49460 : NO : YES CALC. PE OARD OARD OARD 7200 </pre>	ART 220 SCHEDU SCCR: BUSSING: C (va)	-E 22kA Cu LOAD 3600 3600	TYPE	MAX. MAX. BRKR 40/2 / 40/2 /	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#22	2 A. kVA 3 A. CK 2 4 6
(C): IUOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. .GE: 120/208 V. N	0 VA 141160 VA 0	PHASE: WIRE: TYPE N N N N	2¢ 3¢ 4 LOAD 3600 3600 3600 3600	48500 MCB MLO DEMAND ANELB(A (va) 7200	<pre>49460 : NO : YES CALC. PE OARD OARD OARD OARD OARD OARD OARD OARD</pre>	ART 220 SCHEDU SCCR: BUSSING: C (va) 7200	LOAD 3600 3600 3600 3600 3600	TYPE	MAX. MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24	2 A. kVA 3 A. CK 2 4 6 8 10
(C): IUOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N - - - - - - - - - - - - -	0 VA 141160 VA 0	PHASE: WIRE: WIRE: TYPE N N N N N	2% 3% 4 LOAD 3600 3600 3600 3600 3600	A (va)	 49460 NO YES CALC. PE DARD DARD 1 1 7200 7200 7200	43200 R ART 220 SCHEDU SCCR: BUSSING: C (vd) 7200 7200	_E 22kA Cu LOAD 3600 3600 3600 3600 3600	TYPE	MAX. MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 /	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26	2 A. kVA 3 A. CK' 2 4 6 8 10 12 14
(C): UOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N - - - - - - - - - - - - -	0 VA 141160 VA 0	PHASE: WIRE: TYPE N N N N N N N N N	PA 3ø 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELB(A (va) 7200 7200	 49460 NO YES CALC. PE OARD OARD 0 7200 7200 7200 7200	43200 A3	LOAD 3600 3600 3600 3600 3600 3600 3600 3600 3600	TYPE N N N N N N N N N N N N N N N N N N	MAX. MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 /	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" (F) EV#26 "EV CAPABLE" (F) EV#26 "EV CAPABLE" (F) EV#26	2 A. kVA 3 A. CK' 2 4 6 8 10 12 14 16
(C): UOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N	0 VA 141160 VA 0 VA	PHASE: PHASE: WIRE: TYPE N N N N N N N N N N N N N	PA 3¢ 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELBO A (va) 7200 7200	 49460 NO YES CALC. PE DARD DARD 1 7200 1 7200 1 7200 1 7200 1 7200	43200 43200 SCHEDUI SCCR: BUSSING: C (vd) 7200 7200 7200 3600	E 22kA Cu LOAD 3600 3600 3600 3600 3600 3600 3600 360	TYPE	MAX. MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 /	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE	2 A. kVA 3 A. CK 2 4 6 8 10 12 14 16 18 20
(C): UOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N 	0 VA 141160 VA 0 VA	PHASE: PHASE: WIRE: TYPE N N N N N N N N N N N N N	PA 3¢ 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELBO A (va) 7200 7200 7200 7200	<pre>49460 : NO : YES CALC. PE CALC. PE</pre>	43200 43200 SCHEDUI SCCR: BUSSING: C (va) 7200 7200 3600 3600	LOAD 3600 3600 3600 3600 3600 3600 3600 360	TYPE	MAX. MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 /	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 B 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE	2 A. kVA 3 A. CK' 2 4 6 8 10 12 14 16 18 20 22
(C): UOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N 	0 VA 141160 VA 0	PHASE: PHASE: WIRE: TYPE N N N N N N N N N N N N N	PA 3¢ 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELB(A (va) 7200 7200 7200 7200	49460 NO YES CALC. PE OARD OARD 1 7200 1 7200 1 7200 1 7200 1 7200 1 1 7200 1 <	43200 43200 SCHEDUI SCCR: BUSSING: C (va) 7200 7200 3600 3600 0	LOAD 3600 3600 3600 3600 3600 3600 3600 360	TYPE	MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 /	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE	2 A. kVA 3 A. CK 2 4 6 8 10 12 14 16 18 20 22 24 24 26
(C): UOUS (N): DR (M1): 750W (K): 750W (K): CL: EV2 NG: 200 A. GE: 120/208 V. N 	0 VA 141160 VA 0	PHASE: PHASE: WIRE: TYPE N N N N N N N N N N N N N	PA 3¢ 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELBO A (va) 7200 7200 7200 7200 7200	49460 NO YES CALC. PE DARD DARD 1 7200 1 7200 1 7200 1 7200 1 7200 1 1 7200 1 <	43200 43200 SCHEDUI SCCR: BUSSING: C (va) 7200 7200 3600 3600 0 0	LOAD 3600 3600 3600 3600 3600 3600 3600 360	TYPE	MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 /	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE	2 A. kVA 3 A. CK' 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28
(C): UOUS (N): DR (M1): 750W (K): CL: EV2 NG: 200 A. GE: 120/208 V. N 	0 VA 141160 VA 0	PHASE: WIRE: VIRE: N N N N N N N N N N N N N N N N N N N	PA 3ø 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELBO A (va) 7200 7200 7200 7200 7200 7200	49460 NO YES CALC. PE DARD 0 7200 7200 7200 7200 7200 7200 0 7200 0 0 0 0 0	43200 43200 SCHEDUI SCCR: BUSSING: C (va) 7200 7200 7200 3600 3600 0 0 0 0 0 0	LOAD 3600 3600 3600 3600 3600 3600 3600 360	TYPE	MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE	2 A. kVA 3 A. CK' 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32
(C): UOUS (N): OR (M1): 	0 VA 141160 VA 0	PHASE: WIRE: VIRE: N N N N N N N N N N N N N N N N N N N	PA 3ø 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELB(A (va) 7200 7200 7200 7200 7200 7200 7200	49460 NO YES CALC. PE DARD 0 7200 7200 7200 7200 7200 0 7200 0 0 0 0 0 0 0	43200 43200 SCHEDUI SCCR: BUSSING: C (va) 7200 7200 7200 3600 0 0 0 0 0 0	LOAD 3600 3600 3600 3600 3600 3600 3600 360	TYPE	MAX. MAX. BRKR 40/2 / / / 40/2 / / / / / / / / / / / / /	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE SPARE	2 A. kVA 3 A. CK 2 2 4 6 8 10 12 14 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32 34 34
(C): UOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N 	0 VA 141160 VA 0	PHASE: WIRE: VIRE: N N N N N N N N N N N N N N N N N N N	PA 3ø 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELB(A (va) 7200 7200 7200 7200 7200 7200 7200 720	49460 NO YES CALC. PE DARD \$ 0 7200 7200 7200 7200 7200 0 0 0 0 0 0 0 0 0 0	43200 43200 SCHEDUI SCCR: BUSSING: C (va) 7200 7200 7200 7200 7200 7200 7200 0 0 0 0 0 0 0 0 0 0 0	LOAD 3600 3600 3600 3600 3600 3600 3600 360	TYPE	MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE SPARE	2 A. kVA 3 A. CK' 2 4 6 8 10 12 14 6 8 10 12 24 24 26 28 30 22 24 24 26 28 30 32 34 36 38
(C): IUOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N	0 VA 141160 VA 0	PHASE: WIRE: VIRE: N N N N N N N N N N N N N N N N N N N	PA 3ø 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELB(A (va) 7200 7200 7200 7200 7200 7200 7200 720	49460 NO YES CALC. PE DARD (Val) 7200 <td>43200 43200 SCHEDUI SCCR: BUSSING: C (va) 7200 7200 7200 7200 7200 7200 7200 0 0 0 0 0 0 0 0</td> <td>LOAD 3600 3600 3600 3600 3600 3600 3600 360</td> <td>TYPE</td> <td>MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2</td> <td>PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE </td> <td>2 A. kVA 3 A. CK 2 2 4 6 8 10 12 14 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32 34 36 38 40 40</td>	43200 43200 SCHEDUI SCCR: BUSSING: C (va) 7200 7200 7200 7200 7200 7200 7200 0 0 0 0 0 0 0 0	LOAD 3600 3600 3600 3600 3600 3600 3600 360	TYPE	MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE	2 A. kVA 3 A. CK 2 2 4 6 8 10 12 14 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32 34 36 38 40 40
(C): IUOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N - - - - - - - - - - - - -	0 VA 141160 VA 0	PHASE: WIRE: VIRE: N N N N N N N N N N N N N N N N N N N	PA 3ø 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELBO ANELBO 7200 7200 7200 7200 7200 7200 7200 0 7200 0 0	49460 NO YES CALC. PE DARD (val) 7200 <td>43200 43200 SCHEDUI SCCR: BUSSING: C (va) - 7200 - 7200 - - 3600 - <</td> <td>LOAD 3600 3600 3600 3600 3600 3600 3600 360</td> <td>TYPE</td> <td>MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2</td> <td>PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 B 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE SPARE SPARE</td> <td>2 A. kVA 3 A. CK 2 2 4 6 8 10 12 14 6 8 10 12 14 16 18 20 22 4 24 26 28 30 22 24 24 26 28 30 32 34 34 36 38 40 42</td>	43200 43200 SCHEDUI SCCR: BUSSING: C (va) - 7200 - 7200 - - 3600 - <	LOAD 3600 3600 3600 3600 3600 3600 3600 360	TYPE	MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 B 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE SPARE SPARE	2 A. kVA 3 A. CK 2 2 4 6 8 10 12 14 6 8 10 12 14 16 18 20 22 4 24 26 28 30 22 24 24 26 28 30 32 34 34 36 38 40 42
(C): UOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N - - - - - - - - - - - - -	0 VA 141160 VA 0 VA	PHASE: WIRE: TYPE N N N N N N N N N N N N N N N N N N N	PA 3ø 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELBO ANELBO 7200 7200 7200 7200 7200 0 7200 0 0 0 0	49460 H9460 NO YES CALC. PE DARD B (va) B (va) Participation	43200 43200 R ART 220 SCHEDUI SCCR: BUSSING: C (va) 7200 7200 7200 7200 7200 7200 0	LOAD 3600 3600 3600 3600 3600 3600 3600 360	TYPE	MAX. MAX. BRKR 40/2 / / / / / / / / / / / / /	PHASE @125% = 515.2 DEMAND TOTAL = 141.2 = 391.8 B 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE SPARE SPARE	2 A. kVA 3 A. CK 2 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 22 24 24 26 28 30 32 32 34 34 36 38 40 42 5 A
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(C): UOUS (N): DR (M1): 750W (K): CL: EV2 NG: 200 A. GE: 120/208 V. N 	0 VA 141160 VA 0 VA	PHASE: WIRE: TYPE N N N N N N N N N N N N N N N N N N N	PA 3ø 4 LOAD 3600 3600 3600 3600 3600 3600 3600 360	48500 MCB MLO DEMAND ANELBO A (va) 7200 7200 7200 7200 7200 7200 0 7200 0 0 0	49460 NO YES CALC. PE OARD OARD 7200 7200 7200 7200 7200 7200 0 7200 0 7200 100	43200 43200 SCHEDUI SCCR: BUSSING: C (va) 7200 7200 7200 7200 7200 7200 7200 7200 7200 7200 7200 7200 17200	-E 22kA Cu LOAD 3600 300 3		MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2	PHASE $@125\% =$ 515.2 DEMAND TOTAL = 141.2 = 391.8 B 391.8 NEMA TYPE: 3R MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) EV#22 "EV CAPABLE" (F) EV#24 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE SPARE SPARE DESCRIPTION C (F) EV#26 "EV CAPABLE" (F) EV#26 "EV CAPABLE" SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SUBSCRIPTION SUBSCRIPTION	2 A. kVA 3 A. 3 A. CK 2 2 4 6 8 10 12 14 6 8 10 12 14 16 18 20 22 4 24 24 26 28 30 22 24 24 26 28 30 22 24 24 26 28 30 20 22 24 24 26 28 30 20 22 24 24 26 28 30 20 22 24 24 26 28 30 20 22 24 24 26 28 30 20 22 24 24 26 28 30 30 32 34 34 36 38 30 30 32 34 34 36 38 30 30 32 34 34 36 38 38 30 30 32 34 34 36 38 38 30 30 32 34 34 36 38 30 30 32 34 34 36 38 30 30 32 34 34 36 38 38 38 30 30 32 34 34 36 38 38 38 38 38 38 38 38 38 38
(C): UOUS (N): OR (M1): : 750W (K): EL: EV2 NG: 200 A. GE: 120/208 V. N 	0 VA 141160 VA 0 VA	PHASE: WIRE: TYPE N N N N N N N N N N N N N N N N N N N	PA 3¢ 4 LOAD 3600 3600 3600 3600 3600 3600 3600	48500 MCB MLO DEMAND ANELBO A (va) 7200 7200 7200 7200 7200 7200 0 7200 0 0 0	49460 NO CALC. PE CALC. PE 0 0 7200 7200 7200 7200 0 7200 0 7200 0 7200 10 7200 10 7200 10 7200 10<	43200 ART 220 SCHEDUI SCCR: BUSSING: C (va) 7200	LOAD 3600 360 36		MAX. BRKR 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2 / 40/2	PHASE 0125% 515.2 DEMAND TOTAL 141.2 $=$ 391.8 NEMA TYPE: $3R$ MOUNTING: SURFACE DESCRIPTION (F) EV#20 "EV CAPABLE" (F) (F) EV#22 "EV "EV CAPABLE" (F) (F) EV#24 "EV "EV CAPABLE" (F) (F) EV#26 "EV "EV CAPABLE" (F) SPARE Image: Superstand the supersuperstand the supersuperstand the supersta	2 A. kVA 3 A. 3 A. CK 2 CK 2 4 6 8 10 12 4 6 8 10 12 14 16 18 20 22 4 24 26 28 30 22 24 24 26 28 30 22 24 24 26 28 30 22 24 24 26 28 30 22 24 24 26 28 30 22 24 24 26 28 30 20 22 24 24 26 28 30 22 24 24 26 28 30 22 24 24 26 28 30 22 24 24 26 28 30 20 22 24 24 26 28 30 32 34 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 38 30 32 34 36 38 38 38 30 32 34 36 38 38 38 30 32 34 36 38 38 38 38 38 38 38 30 32 34 36 38 38 38 38 38 38 38 38 38 38
(C): UOUS (N): OR (M1): T5OW (K): EL: EV2 NG: 200 A. GE: 120/208 V. N T T T T T T T T T T T T T	0 VA 141160 VA 0 VA 140/2 / / 40/2 / / / / / / / / / / / / /	PHASE: WIRE: TYPE N N N N N N N N N N N N N N N N N N N	PA 3Ø 4 LOAD 3600 3600 3600 3600 3600 3600 3600	48500 MCB MLO DEMAND ANELBO A (va) 7200 7200 7200 7200 7200 7200 0 7200 0 0 0	49460 NO CALC. PE CALC. PE 0 7200	43200 43200 SCHEDUI SCCR: BUSSING: C (va) 7200	LOAD 3600 360 36		MAX. BRKR 40/2 / / 40/2 / / / / / / / / / / / / /	PHASE 0125% 515.2 DEMAND TOTAL 141.2 $=$ 391.8 NEMA TYPE: $3R$ MOUNTING: SURFACE DESCRIPTION (F) $EV #20$ "EV CAPABLE" (F) (F) $EV #22$ "EV "EV CAPABLE" (F) (F) $EV #24$ "EV "EV CAPABLE" (F) (F) $EV #26$ "EV SPARE Image: Section of the section of t	2 A. kVA 3 A. 3 A. CK 2 CK 2 4 6 8 10 12 4 6 8 10 12 14 16 18 20 22 4 24 26 28 30 22 24 24 26 28 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 30 32 34 36 38 38 30 30 32 34 36 38 30 30 32 34 36 38 38 30 30 32 34 36 38 30 30 32 34 36 38 38 38 38 38 38 38 38 38 38
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- SPECIFICATIONS.
- 2. ENDS OF ALL STEEL CONDUITS ENTERING PULL BOX SHALL BE CAPPED WITH O-Z, TYPE "GB" BRONZE GROUNDING BUSHINGS AND CONNECTED TOGETHER WITH NO 8 SOLID COPPER WIRE. 3. CONDUIT SHALL NOT EXTEND MORE THAN 3" INTO PULL BOX (TYPICAL ON ALL
- LOCATIONS. 4. MIDRUN PULL BOXES SHALL BE INSTALLED AT A DISTANCE OF NO MORE THAN 2'-0" FROM THE BACK OF CURB (IF NO SIDEWALK EXISTS) OR 2'-0" FROM THE BACK OF WALK (IF SIDEWALK EXISTS).
- 5. AFTER CONDUCTORS HAVE BEEN INSTALLED, THE ENDS OF CONDUITS TERMINATING IN
- PULL BOXES SHALL BE SEALED WITH AN APPROVED SEALING COMPOUND.
- 6. ALL CONDUITS USE 45° SWEEPS. 7. SET PULL BOX ON TOP OF 6" OF 3/4" MAX CLEAN CRUSHED ROCK OR 1/2" MAX PEA GRAVEL.
- 8. GROUND ROD AND CLAMP SHALL BE DRIVEN INTO NATIVE SOIL IN CORNER OF PULL BOX NO MORE THAN 3" FROM EITHER INSIDE WALL GROUND ROD SHALL BE 8'-0" X 1/2" COPPERWELD FOR GROUND ROD DELETION, PLAN APPROVAL BY CITY ENGINEER MUST BE GIVEN PRIOR TO INSTALLATION.
- 9. REFER TO C OS DWG NO R-89 FOR LIGHT POLE FOUNDATION AND DWG NO R-88 FOR STREET LIGHT LOCATION.

- BACKFILLING NOTES, FOLLOW THESE INSTRUCTIONS: STEP 1:
- -REMOVE LOOSE MATERIAL AND RE-GRADE BOTTOM OF PULL BOX -ORGANIZE AND COMPRESS WIRES AT THE BOTTOM -CLEAN LIP (WHERE LID SITS) INSIDE OF PULL BOX
- STEP 2: -DUST SEAL CONDUITS USING GARNER BENDER DS-110N, OR APPROVED EQUAL STEP 3:
- -COVER WIRE WITH 6-MIL PLASTIC SHEETING TO PROTECT OPENINGS FROM SAND INTRUSTION -CUT SHEETING LARGE ENOUGH TO PROVIDE WRAPPING AFTER STEP 4 BELOW
- STEP 4:
- STEP 5: STEP 6:
- -BACKFILL WITH CONTROL-DENSITY FILL (CDF), NON-STRUCTURAL MIX WITHOUT AGGREGATE -REFER TO CITY OF STOCKTON STANDARD SPECIFICATION 19-3.03I(5). -POUR A MINIMUM OF 3-INCHES, WITH TOP OF CDF POUR FLUSH WITH THE LIP -PLACE LID -GROUT BETWEEN LID AND RIM

- 1. ALL NONMETALLIC CONDUIT SHALL HAVE A NO 8 STRANDED (WITH GREEN INSULATION) COPPER BONDED/GROUNDING WIRE (EXCEPT THE CONDUIT BETWEEN THE PG &E SERVICE POINT/POLE AND THE FIRST STREET LIGHT PULL BOX) THESE BONDING /GROUNDING WIRES SHALL BE CONNECTED IN THE PULL BOX WITH CABLE CONNECTORS - BURNDY-SERVIT NO KS-15 OR AN APPROVED EQUAL MEETING CALTRANS

- -BACKFILL WITH CLEAN SAND, MINIMUM OF 3-INCHES -FOLD PLASTIC SHEETING OVER SAND
- -PLACE A LAYER OF #30 ROOFING PAPER ON TOP OF PLASTIC AND SAND -CUT ROOFING PAPER TO PROVIDE A NEAT FIT

SECTION

POST MOUNTED CARD READER

ELECTRICAL TRENCH SECTION (TYP.)

									1
						NEW SECURED STAFF	PARKING LOT AT NEW C	ITY HALL	
						ELEC	TRICAL DETAILS		ЪЧ
	Revision No.	Description	Date	By	Apprvd. By	DEPARTME CITY OF S	NT OF PUBLIC WORKS STOCKTON, CALIFORNIA		1:50:45
						SCALE AS SHOUN	APPROVED BX:11,415/23	SHEET NO.	
						DESIGNED BY KP	DATE	E3.3	/23
NG JRE						DRAWN BY CCM/KP	1/8 Augurs	OF 48 SHEET	03
						CHECKED BY KP	CITY ENGINEER		80
GN						RECORD DWGS.	STOCKTON, CALIFORNIA	E016015-A	
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141.0(b)2P for altera	tions.								the second s	
Project Name: CITY Project Address: WEE	HALL ST	AFF PARKING IMPROV	EMENTS	i		Report Pag	ge: ared:			Page 1 c
						pace i repo				
01 Project Location	(city)	1		STOCKTON	02		within Projec	* *		
Office	(city)	Retail	[Warehouse		Hotel/ Motel	Sch	nool	Support Are	as
Parking Garage		High-Rise Resident	ial [Relocatable		Healthcare Facilit	ties 🔽 Otl	her (Write In):	PARKING LOT	
B. PROJECT SCOPE										
Table Instructions: Inc	lude any	electrical service syste	rms that	are within the scope	of the perr	mit application.	-			
01			02		03	04	05		06	
Electrical Ser Designatio Descriptic	vice n/ n	Sco	ope of V	/ork1	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a) ²	System subject to CA Elec Code Article 517 Exception to §130.5(a)&(b)	Where required, de be specified which automatically respo standards based me enables demand re demand response s and §130.3 and cor MCH_NBCC-ITL and	a Response Contro emand response co are capable of rece onding to at least o essaging protocol v sponse after receiv signal. Sections §12 npliance document	s ntrols mu iving and ne vhich ring a 20.2, §130 ts NRCC- cate whe
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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

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

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roject Name: CITY HALL STAF	F PARKING IMPROVEMENTS		Report Page:		Paj	ge 2 of
Project Address: WEBER STREET			Date Prepared:		2	/7/202
D. EXCEPTIONAL CONDITIONS	S					?
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I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

This Section Does Not Apply

January 2020

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 2020

RCC-ELC-E (Cro	eated 01/20)			CALIFORNIA ENERGY COMMIS	SION
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oject Name	e: CITY I	HALL STAFF PARKING IMPROVEMENTS	Report Page:		Page 3 of
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January 2020

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CERTIFICATE OF COMPLIANCE				172						NF	RCC-LTO-E
Project Name: CITY HALL ST	AFF PARKING IMPROV	EMENTS		Report	Page:					P	age 4 of 6
Project Address: WEBER STRE	ET			Date Pr	epared:						2/7/2023
01	Ĩ	02		03			04		1	05	5
Area Description		Shut-Off §130.2(c)1		Auto-Schedule §130.2(c)2		Mo §	tion Sens	or	F	ield Ins	spector
POLELIGHTS	P	hotocontrol		Yes			Yes		P		
*NOTES: Controls with a * req EX: Not permitted by health &	uire a note in the space safety to be turned off	e below explaini ; EXCEPTION 1 t	ng how compliance o <u>§130.2(c)</u> .	is achieved.							
I. LIGHTING POWER ALLOW	/ANCE (per <u>§140.7</u>)	1				4					?
Table Instructions: Please com	plete this table for are	as using the			0:	1					
is per <u>Table 140.7-A</u> while "Use <u>Table 140.7-B</u> . Indicate which expand sections for user input. the "Use it or lose it" allowance	e it or lost it" Allowance allowances are being u Luminaires that quali es shall not qualify for	es are per sed to [fy for one of another "Use	General Hardscape Allowance	Per Applicati	on Sales F	rontage	Orr	namental	Pe	er Spec	cific Area
Calculated General Hardscane	Lighting Power Allowa	nce per Table 1	40.7-A (17.2.8.3)	Table J		<u> </u>	Idu	ne L		Table	ivi
02	03	04	05	06	07		18	09	1		10
		Area	Wattage Allowance	(AWA)	Linear	Wattage	Allowanc	e (LWA)	-+	Total	General
Area Description	Surface Type	Illuminated Area (ft ²)	Allowed Density (W/ft ²)	Area Allowance (Watts)	Perimeter Length (If)	Allowed (W	d Density //lf)	Linear Allow (Watts)	ance	AWA (W	+ LWA /atts)
PARKING LOLT	Asphalt	128,000	0.025	3,200	1,725	0.	.25	431.25		3,6	31.25
					Initial Watta	e Allowa	nce for Fr	ntire Site (W:	atts).	3	350
					Total Ge	neral Har	dscape Al	lowance (Wa	atts):	3.9	81.25
J. LIGHTING ALLOWANCE: I	PER APPLICATION										

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

April 2019

April 2019

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

STATE OF CALIFORNIA	
Outdoor Lighting	
NRCC-LTO-E (Created 4/19)	CALIFORNIA ENERGY COM
CERTIFICATE OF COMPLIANCE	
Project Name: CITY HALL STAFF PARKING IMPROVEMENTS	Report Page:
Project Address: WEBER STREET	Date Prepared:

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per <u>§141.0(b)2L</u> (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

Designed V	Nattage:										
01	02		03	04	05	06	07	08	09	1	.0
Name or Item Tag	Complete Luminaire	Description	Watts per luminaire ^{1,2}	How Wattage is determined	Total number	Luminaire Status ³	Excluded per	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output	Field In	specto
					luminaires		<u>9140.7(a)</u>		§130.2(b) ⁴	Pass	Fail
A	DOUBLE LT POLE	Linear	178	Mfr. Spec ¹	14	New		2,492	Yes		
В	SINGLE LT POLE	Linear	89	Mfr. Spec ¹	16	New		1,424	Yes		
· · · · ·		11				Total Desig	ned Watts:	3,916			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.

EX: Luminaire is lighting a statue; EXCEPTION 2 to <u>§130.2(b)</u>.

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 \geq 6,200 unless exempted by §130.2(b).

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

STATE OF CALIF	FORNIA				
Outdoor	Lightin	g			
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Project Addr	ress: WEB	ER STREET Date Prepared:			2/7/2023
L. LIGHTIN	G ALLOW	ANCE: ORNAMENTAL			2
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M. LIGHTI	NG ALLOV	VANCE: PER SPECIFIC AREA			2
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N. EXISTIN	G CONDI	TIONS POWER ALLOWANCE (alterations only)			2
This Section	Does Not	Apply		-	
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P. DECLAR	ATION OF	REQUIRED CERTIFICATES OF ACCEPTANCE			2
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۲	0	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added luminaires.	to ≤ 20		

Page 2 of 6

April 2019

April 2019

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Item Tag	Luminaire Description	Mounting H Propert	leight from ty Line ¹	Max Allowable Backlight Rating ³	Backlight Rating Per Design	Lighting T	ype	Max Allowable Backlight Rating ³	Uplight Rating Per Design	Mounting Height from Property Line ¹	Max Allowable Glare Rating ³	Glare Rating Per Design	Pass	Fail
A	DOUBLE LT P(> 2 MH from line	property	No Limit	2	Area Lighti	ng	UO	0	> 2 MH from property line	G3	3		
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Revision No.

Description

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April 2019

COMPLIANCE FORMS - T24 DEPARTMENT OF PUBLIC WORKS By Apprvd. By Date CITY OF STOCKTON, CALIFORNIA SCALE AS SHOUN APPROVED BY: SHEET N E4.1 KΡ DESIGNED BY Hear OF 48 SHEET CCM/KP

DRAWN BY

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NEW SECURED STAFF PARKING LOT AT NEW CITY HALL

KP CITY ENGINEER

STOCKTON, CALIFORNIA

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